Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101716\
Data File : BF090621.D
Acq On : 17 Oct 2016 21:30
Operator : UM/SJ
Sample : H5228-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 5

Quant Time: Oct 18 01:16:09 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 17 19:19:58 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.91 | 152 | 210347 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.20 | 136 | 807371 | 20.00 | ng | 0.00 |
| 38) Acenaphthene-d10 | 9.95 | 164 | 383450 | 20.00 | ng | -0.01 |
| 63) Phenanthrene-d10 | 11.43 | 188 | 502770 | 20.00 | ng | -0.01 |
| 75) Chrysene-d12 | 14.08 | 240 | 458907 | 20.00 | ng | -0.01 |
| 86) Perylene-d12 | 15.54 | 264 | 424160 | 20.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.51 | 112 | 1025855 | 89.41 | ng | 0.00 |
| 7) Phenol-d6 | 6.54 | 99 | 1470921 | 86.27 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.47 | 82 | 817392 | 56.24 | ng | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.74 | 330 | 186810 | 54.65 | ng | -0.01 |
| 44) 2-Fluorobiphenyl | 9.27 | 172 | 1139159 | 48.95 | ng | 0.00 |
| 78) Terphenyl-d14 | 13.02 | 244 | 784967 | 39.83 | ng | -0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 4) n-Nitrosodimethylamine | 3.23 | 42 | 668 | 7.28 | ng | # 1 |
| 19) n-Nitroso-di-n-propylamine | 7.47 | 70 | 94120 | 8.05 | ng | # 79 |
| 49) Dimethylphthalate | 9.66 | 163 | 237560 | 9.55 | ng | 99 |

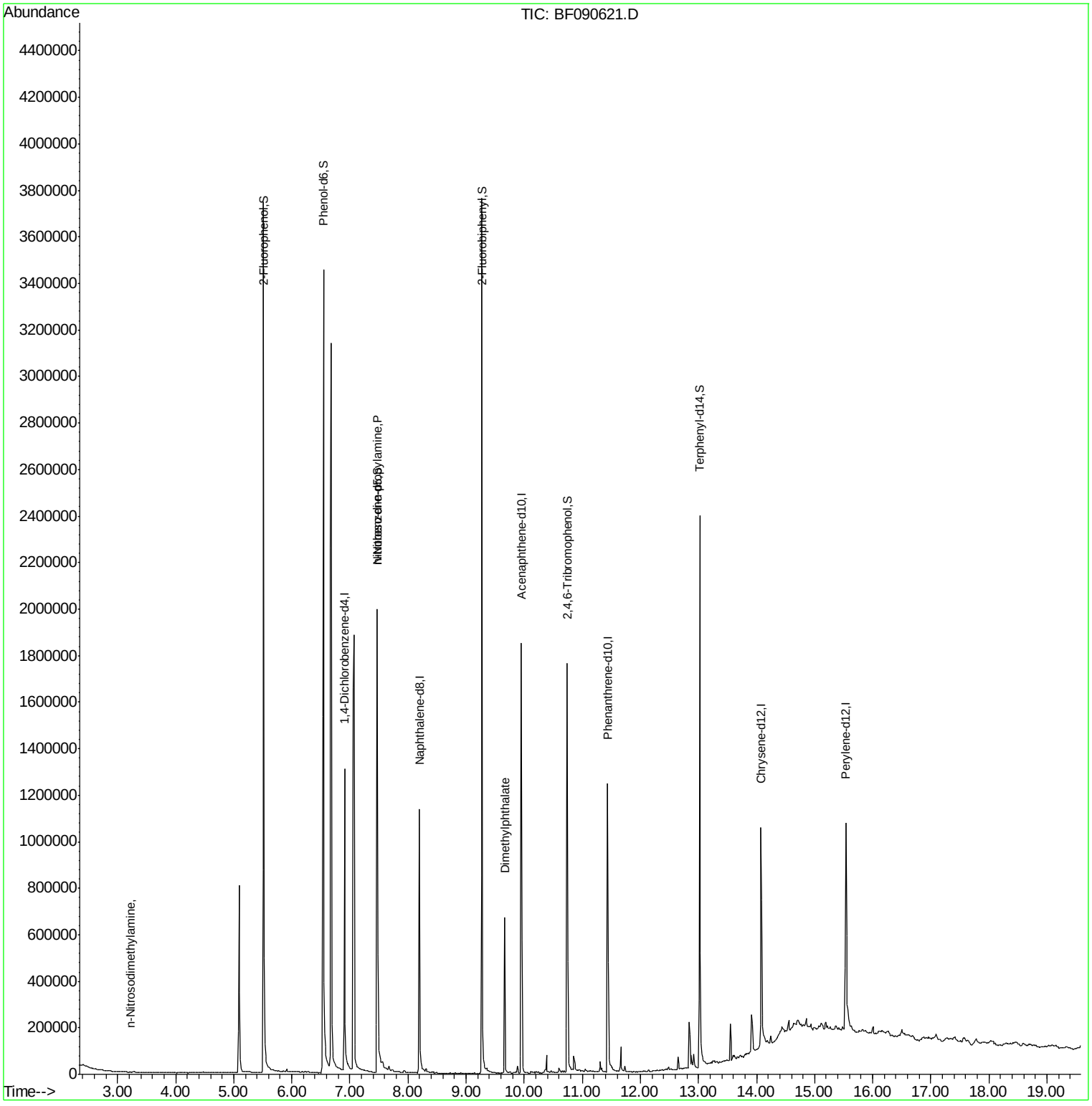
(#) = qualifier out of range (m) = manual integration (+) = signals summed

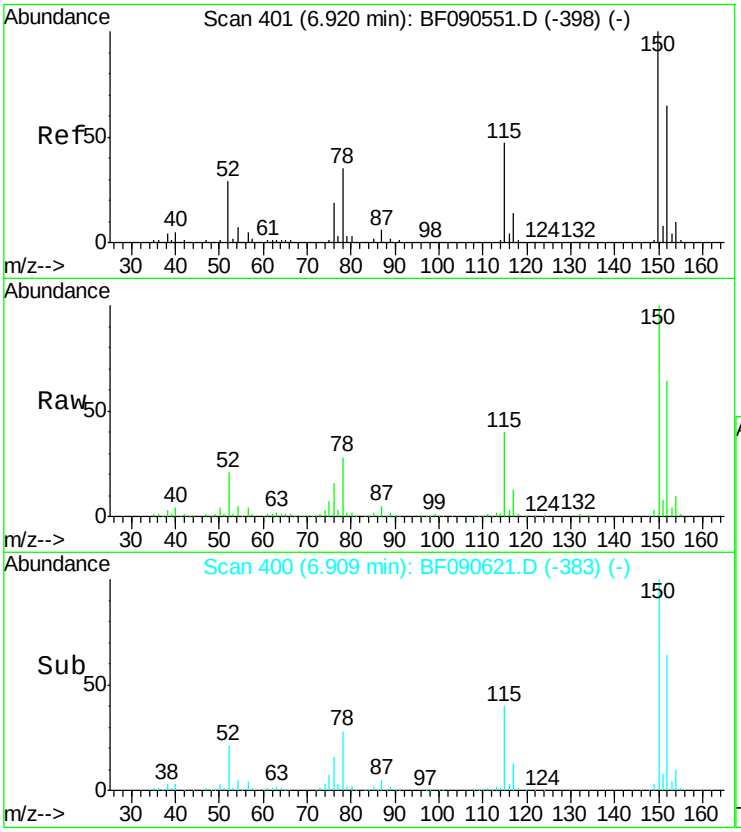
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101716\
Data File : BF090621.D
Acq On : 17 Oct 2016 21:30
Operator : UM/SJ
Sample : H5228-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
5

Quant Time: Oct 18 01:16:09 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 17 19:19:58 2016
Response via : Initial Calibration



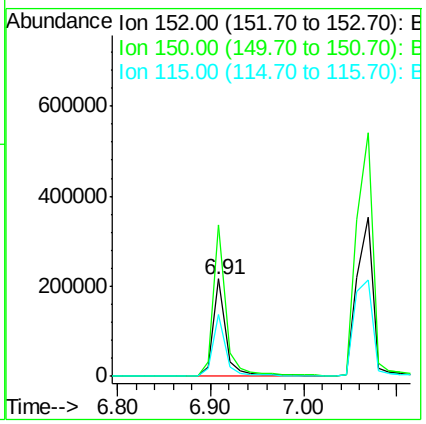


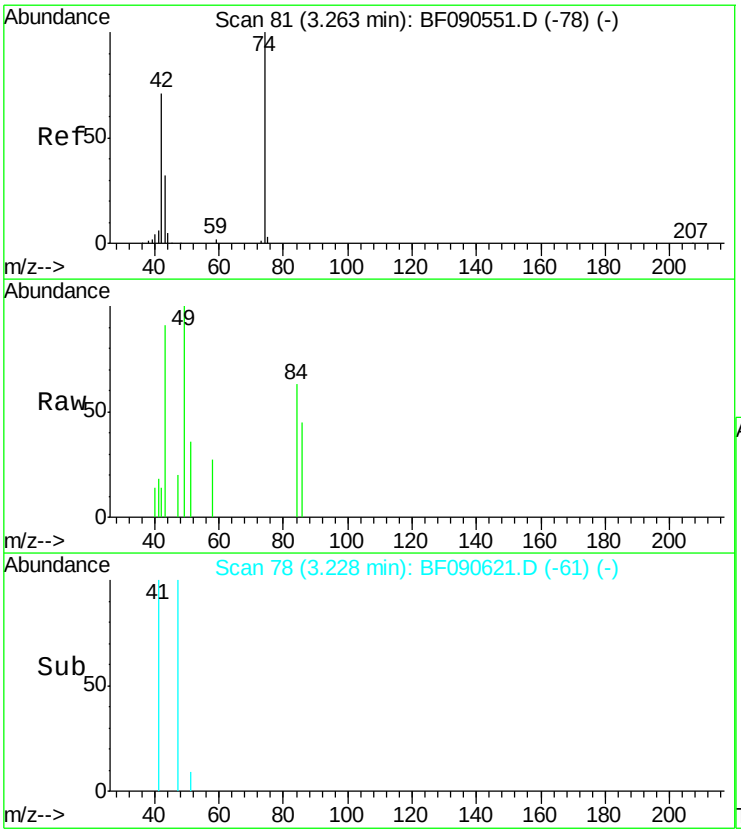

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.91 min Scan# 400
Delta R.T. -0.00 min
Lab File: BF090621.D
Acq: 17 Oct 2016 21:30

**Instrument :**
BNA_F
**ClientSampleId :**
5

Tgt Ion:152 Resp: 210347

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.6 | 127.2 | 190.8 |
| 115 | 62.9 | 58.6 | 88.0 |

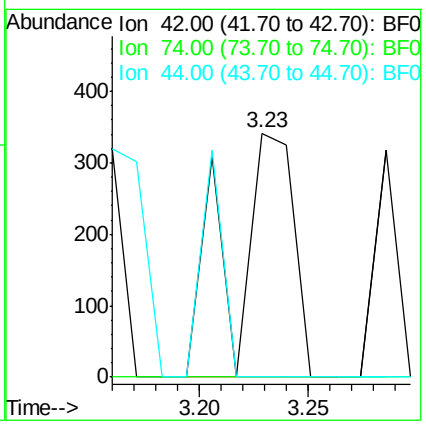


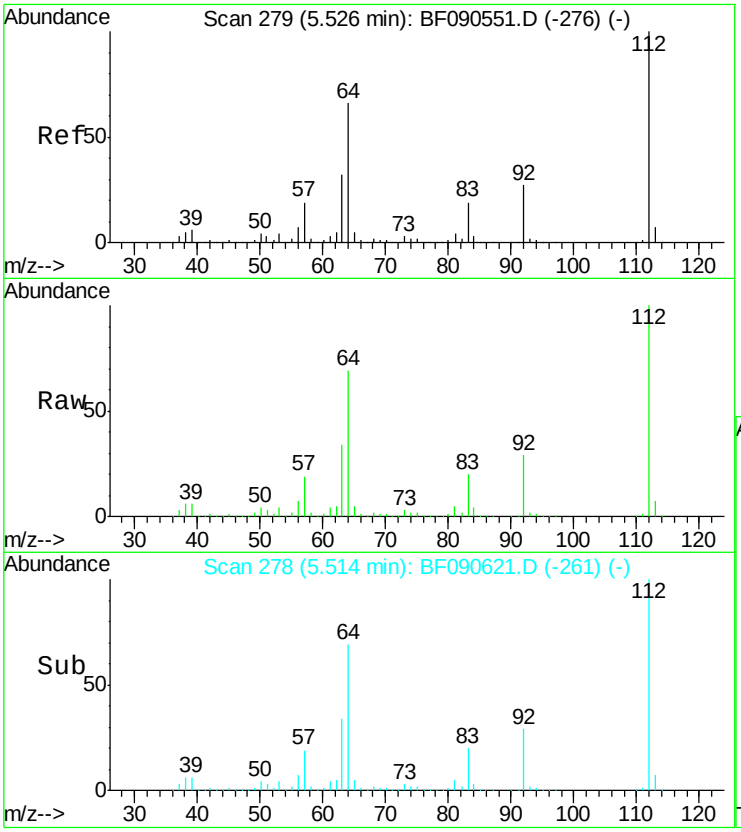




#4
n-Nitrosodimethylamine
Concen: 7.28 ng
RT: 3.23 min Scan# 78
Delta R.T. -0.00 min
Lab File: BF090621.D
Acq: 17 Oct 2016 21:30

Tgt Ion: 42 Resp: 668

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 0.0 | 113.3 | 169.9# |
| 44 | 0.0 | 6.0 | 9.0# |



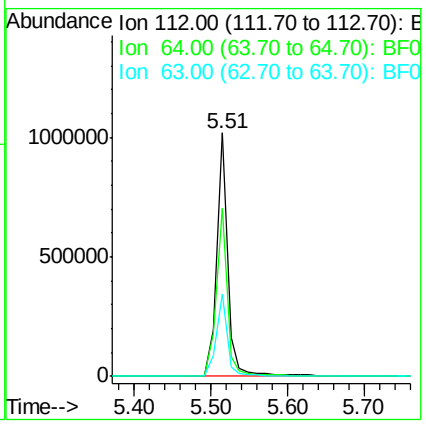


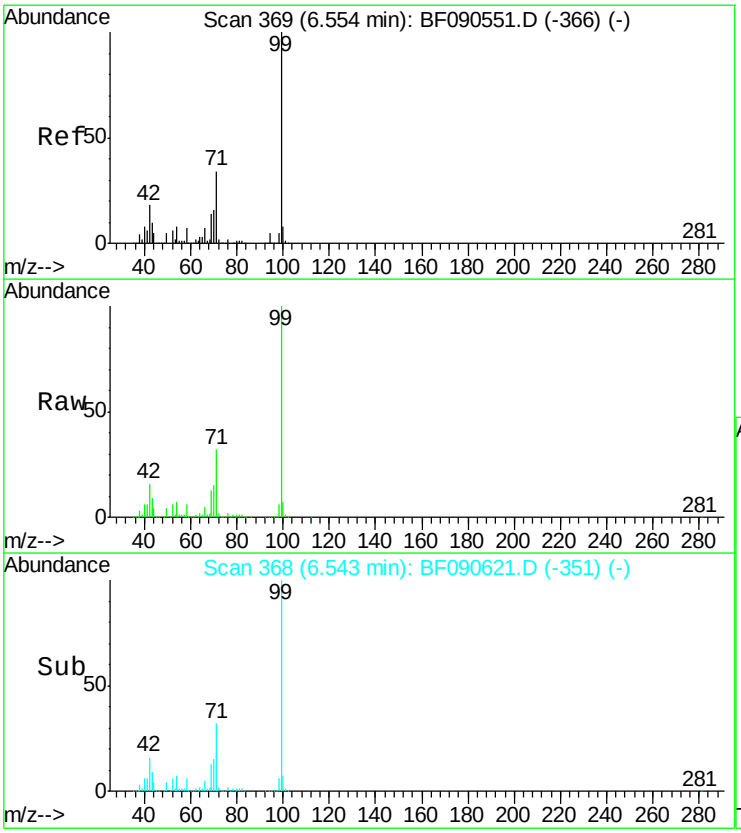

#5
2-Fluorophenol
Concen: 89.41 ng
RT: 5.51 min Scan# 278
Delta R.T. -0.00 min
Lab File: BF090621.D
Acq: 17 Oct 2016 21:30

**Instrument :**
BNA_F
**ClientSampleId :**
5

Tgt Ion:112 Resp: 1025855

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 69.3 | 52.6 | 78.8 |
| 63 | 33.8 | 26.0 | 39.0 |

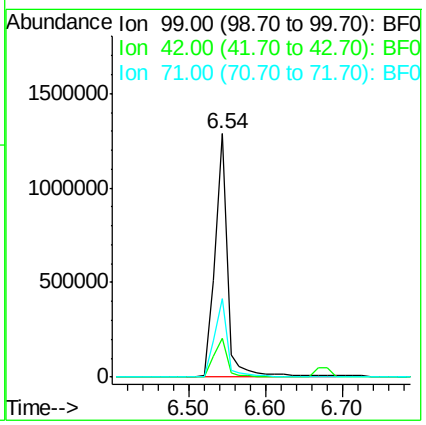


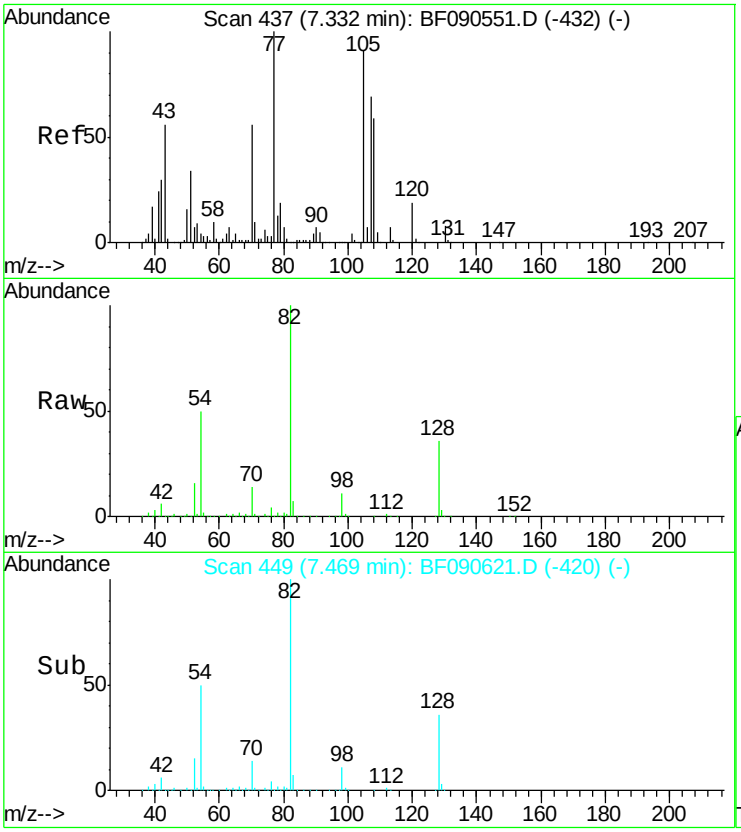




#7
Phenol-d6
Concen: 86.27 ng
RT: 6.54 min Scan# 368
Delta R.T. -0.00 min
Lab File: BF090621.D
Acq: 17 Oct 2016 21:30

Tgt Ion: 99 Resp: 1470921

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 15.9 | 14.7 | 22.1 |
| 71 | 32.4 | 27.6 | 41.4 |



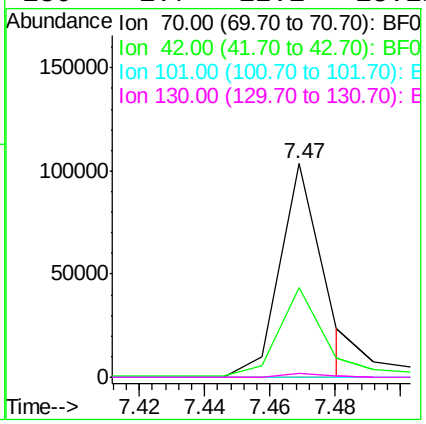


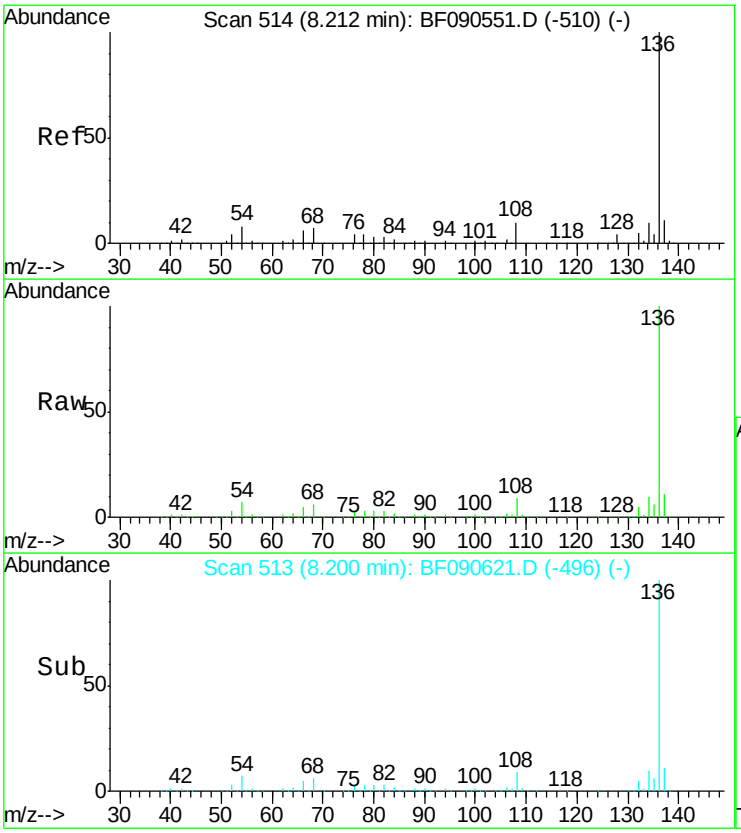

#19
n-Nitroso-di-n-propylamine
Concen: 8.05 ng
RT: 7.47 min Scan# 449
Delta R.T. 0.14 min
Lab File: BF090621.D
Acq: 17 Oct 2016 21:30

**Instrument :**
BNA_F
**ClientSampleId :**
5

Tgt Ion: 70 Resp: 94120

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 41.7 | 43.4 | 65.0# |
| 101 | 0.0 | 6.4 | 9.6# |
| 130 | 1.7 | 12.1 | 18.1# |

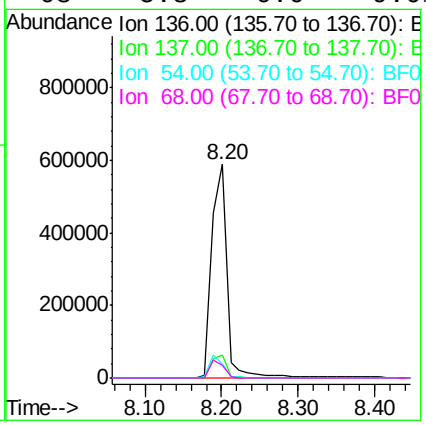


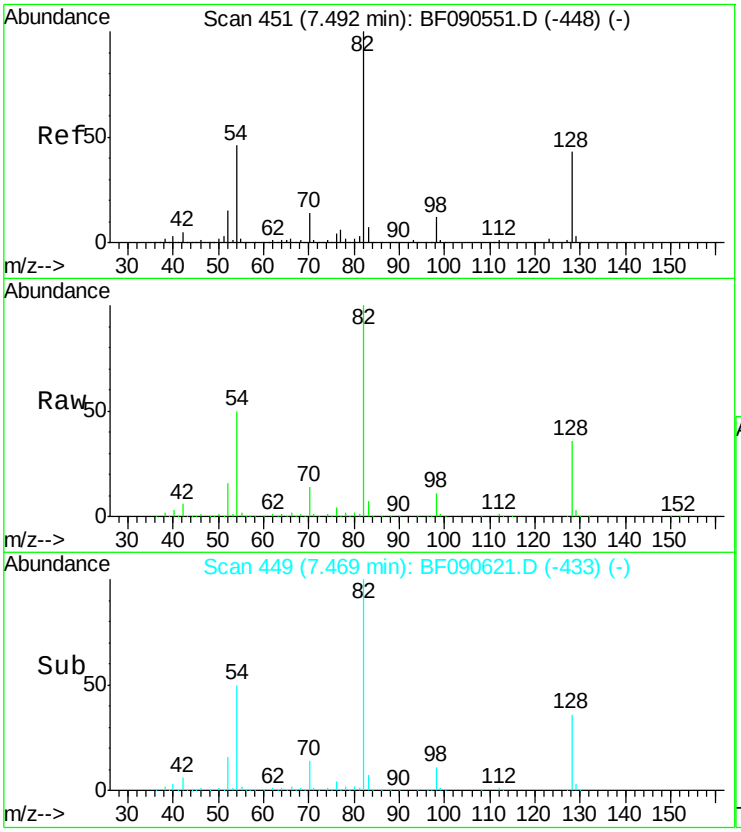




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.20 min Scan# 513
Delta R.T. -0.00 min
Lab File: BF090621.D
Acq: 17 Oct 2016 21:30

Tgt Ion:136 Resp: 807371

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.7 | 8.8 | 13.2 |
| 54 | 6.7 | 6.8 | 10.2# |
| 68 | 5.8 | 6.0 | 9.0# |



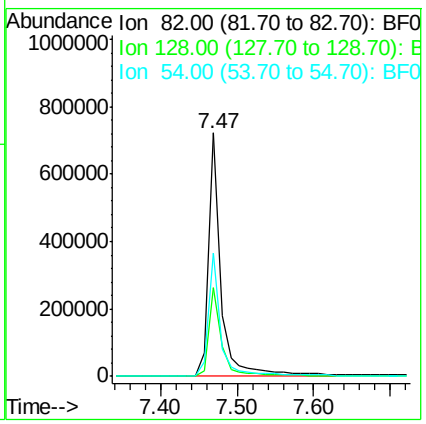


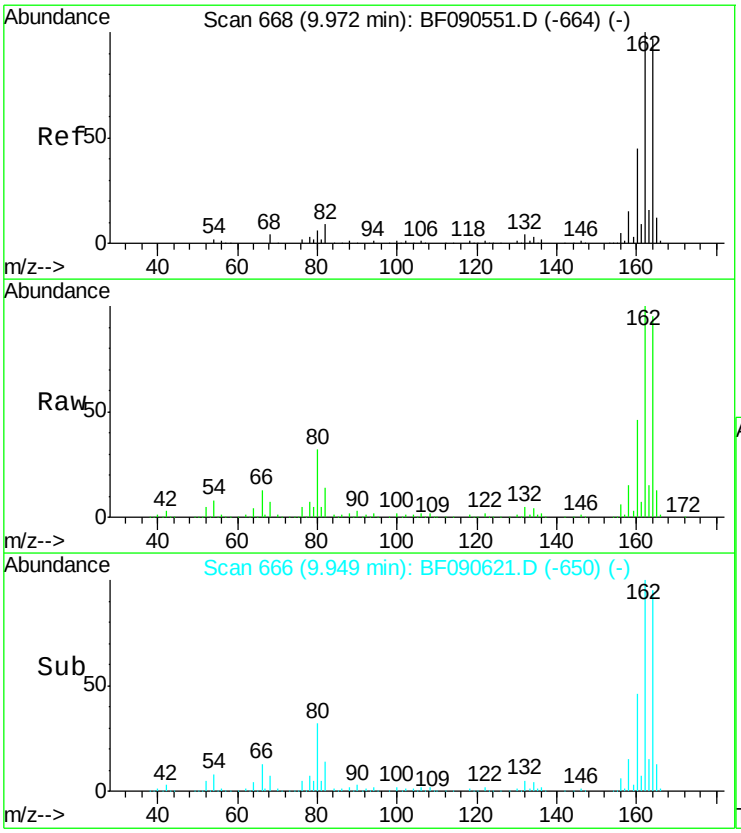

#23
Nitrobenzene-d5
Concen: 56.24 ng
RT: 7.47 min Scan# 449
Delta R.T. -0.01 min
Lab File: BF090621.D
Acq: 17 Oct 2016 21:30

**Instrument :**
BNA_F
**ClientSampleId :**
5

Tgt Ion: 82 Resp: 817392

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 36.4 | 34.3 | 51.5 |
| 54 | 50.5 | 37.0 | 55.6 |

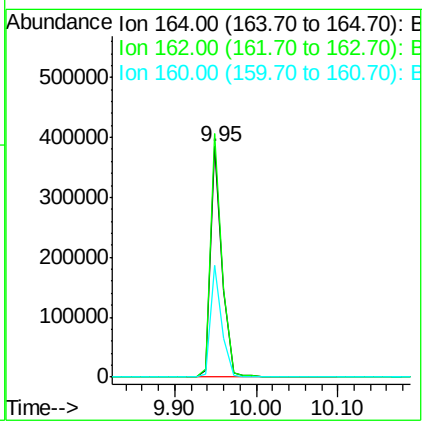


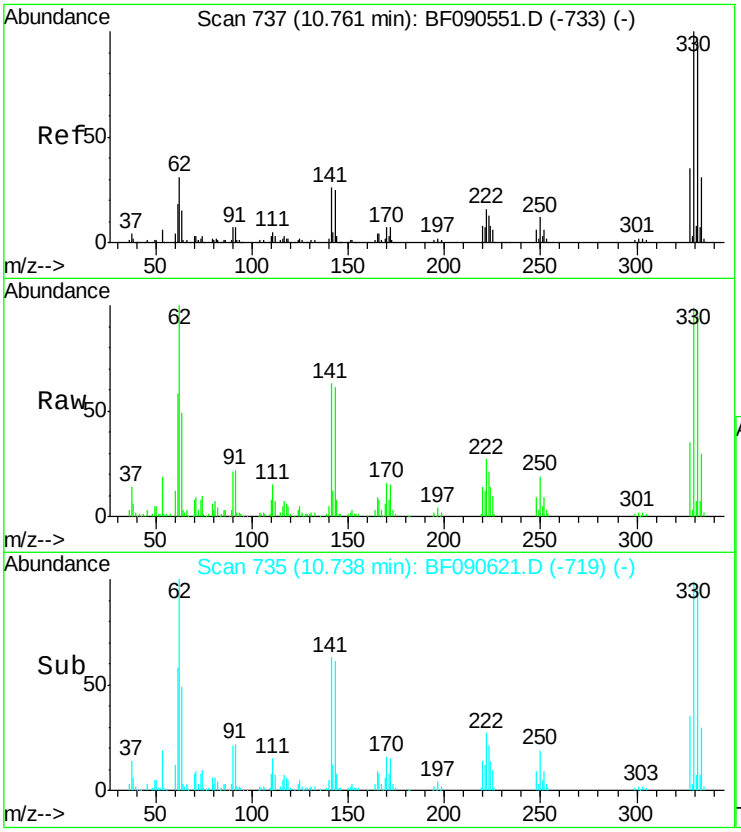




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.95 min Scan# 666
Delta R.T. -0.01 min
Lab File: BF090621.D
Acq: 17 Oct 2016 21:30

Tgt Ion:164 Resp: 383450

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 105.5 | 82.2 | 123.4 |
| 160 | 48.5 | 36.6 | 55.0 |



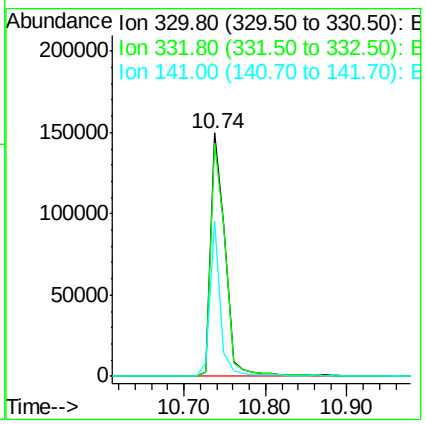


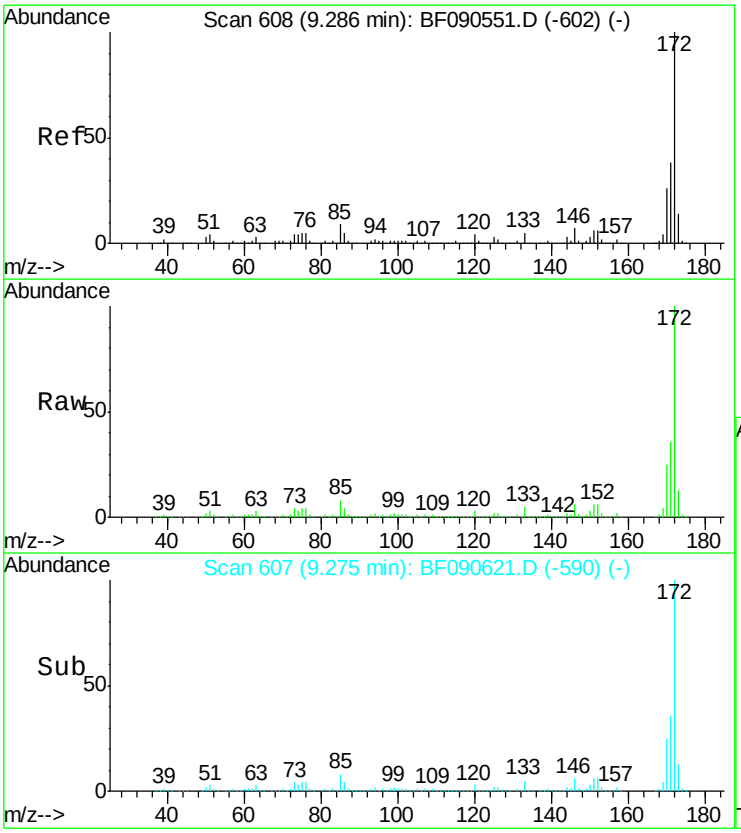

#41
2,4,6-Tribromophenol
Concen: 54.65 ng
RT: 10.74 min Scan# 735
Delta R.T. -0.01 min
Lab File: BF090621.D
Acq: 17 Oct 2016 21:30

**Instrument :**
BNA_F
**ClientSampleId :**
5

Tgt Ion:330 Resp: 186810

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.6 | 76.2 | 114.2 |
| 141 | 47.1 | 31.4 | 47.2 |

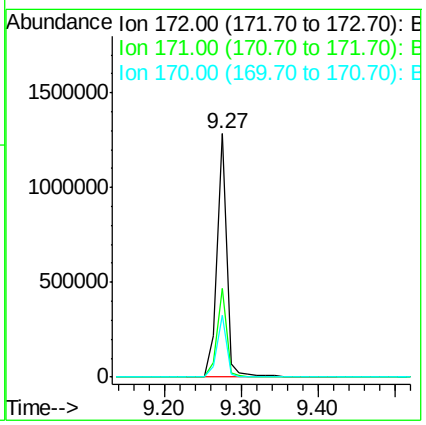


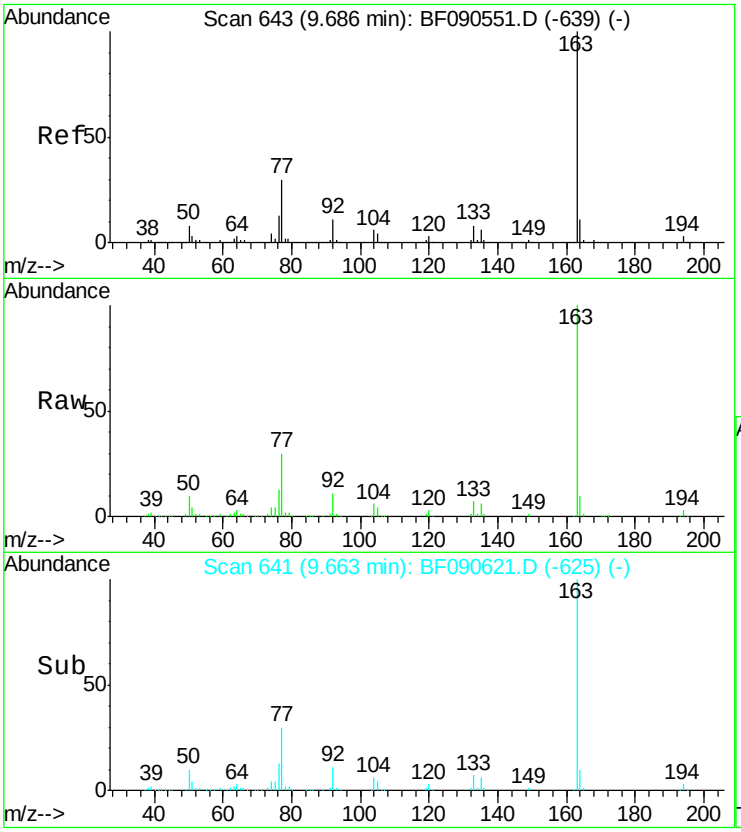




#44
2-Fluorobiphenyl
Concen: 48.95 ng
RT: 9.27 min Scan# 607
Delta R.T. -0.00 min
Lab File: BF090621.D
Acq: 17 Oct 2016 21:30

Tgt Ion:172 Resp: 1139159

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.3 | 30.1 | 45.1 |
| 170 | 25.2 | 20.6 | 30.8 |



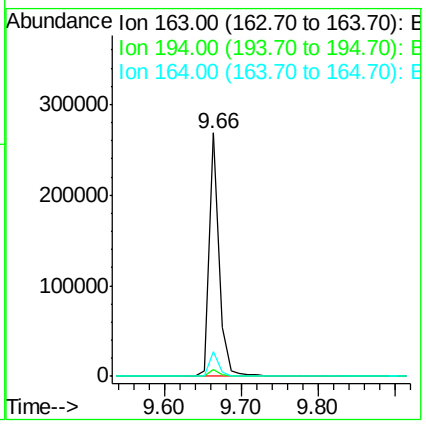


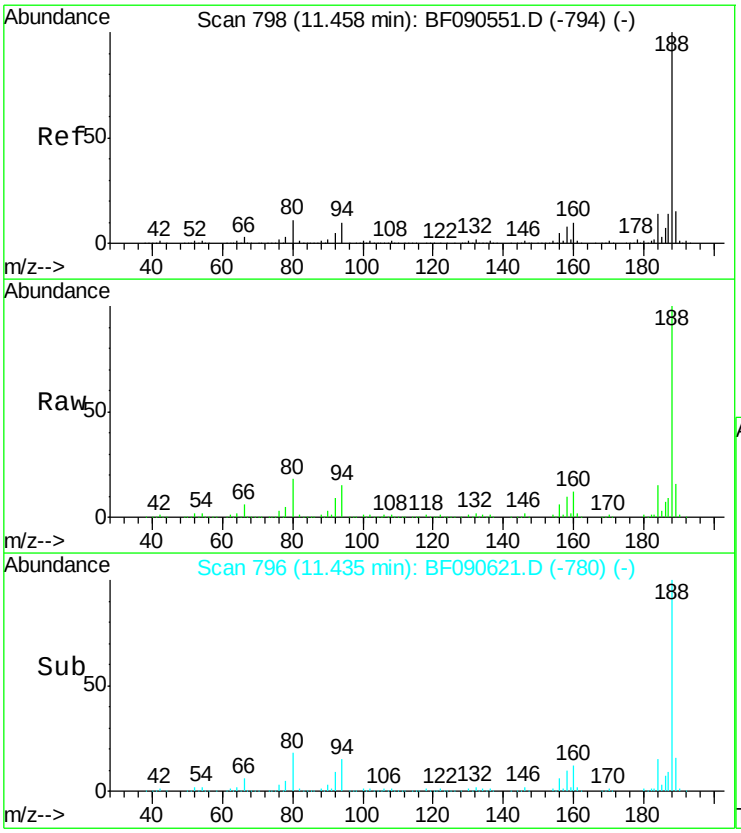

#49
Dimethylphthalate
Concen: 9.55 ng
RT: 9.66 min Scan# 641
Delta R.T. -0.01 min
Lab File: BF090621.D
Acq: 17 Oct 2016 21:30

**Instrument :**
BNA_F
**ClientSampleId :**
5

Tgt Ion:163 Resp: 237560

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 2.9 | 2.3 | 3.5 |
| 164 | 10.3 | 8.6 | 13.0 |

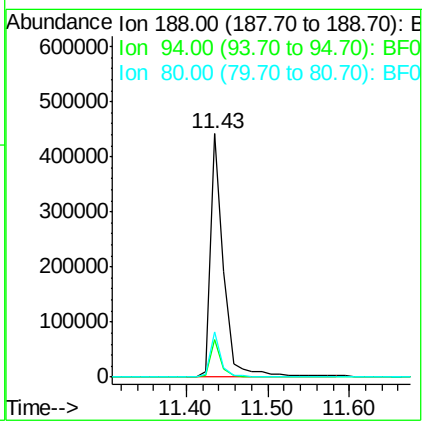


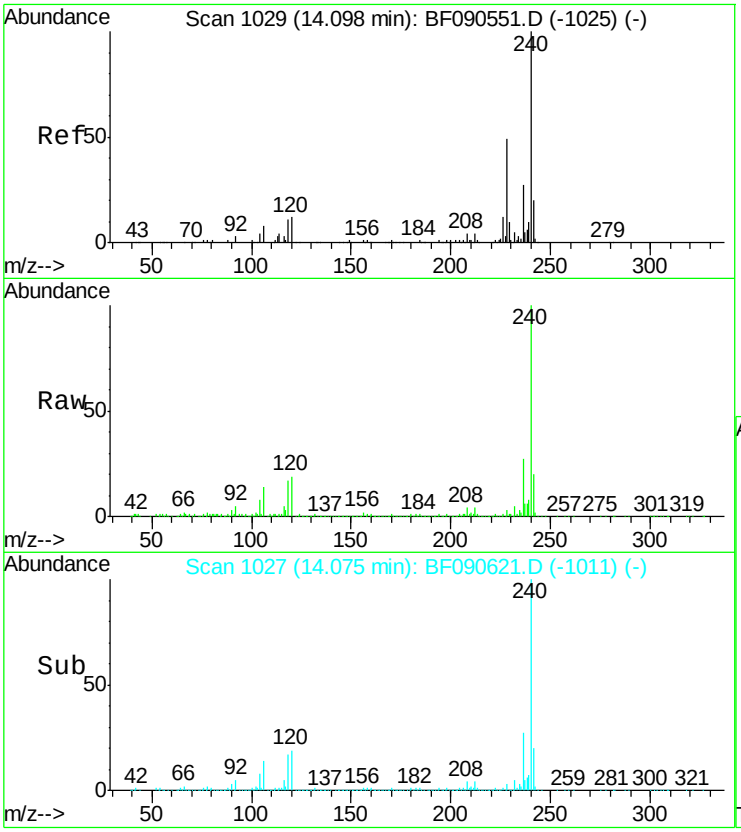




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.43 min Scan# 796
Delta R.T. -0.01 min
Lab File: BF090621.D
Acq: 17 Oct 2016 21:30

Tgt Ion:188 Resp: 502770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 15.5 | 7.7 | 11.5# |
| 80 | 18.4 | 8.6 | 12.8# |



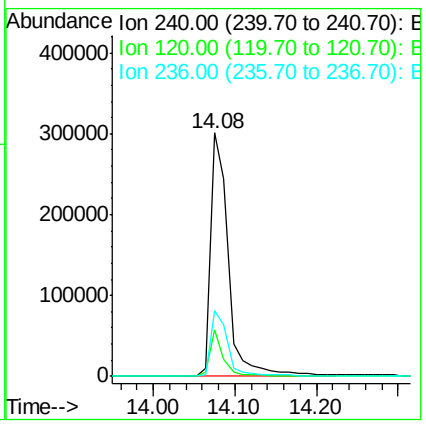


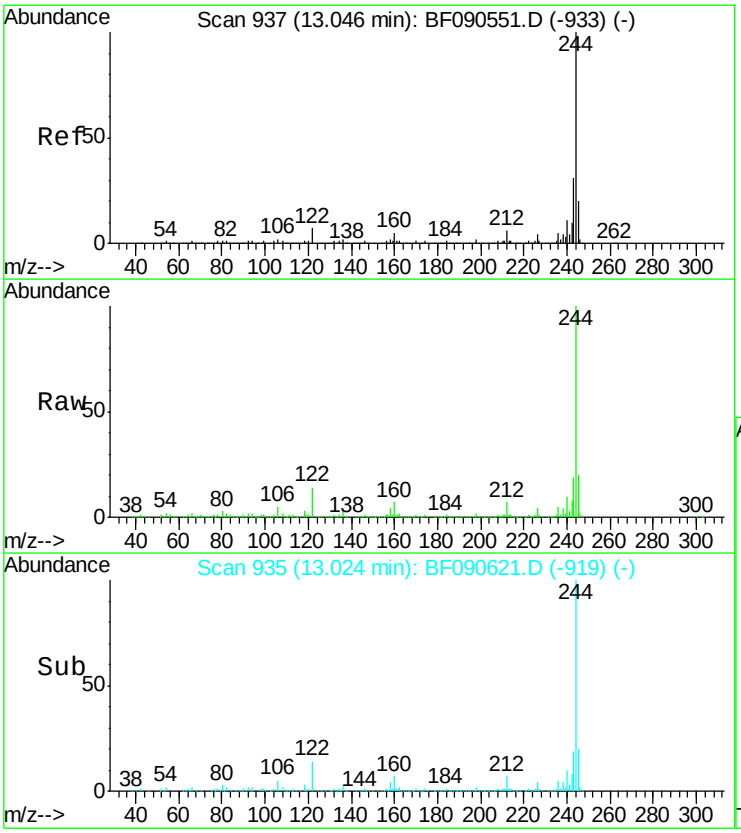

#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.08 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF090621.D
Acq: 17 Oct 2016 21:30

**Instrument :**
BNA_F
**ClientSampleId :**
5

Tgt Ion:240 Resp: 458907

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 19.3 | 9.8 | 14.8# |
| 236 | 26.8 | 21.7 | 32.5 |

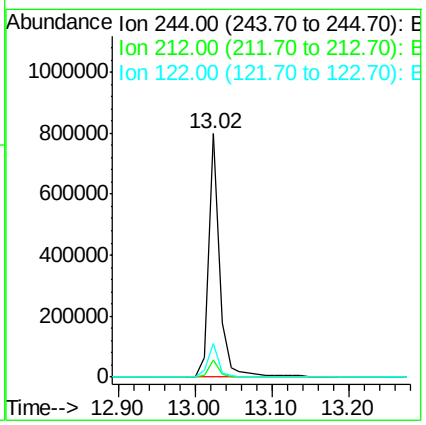


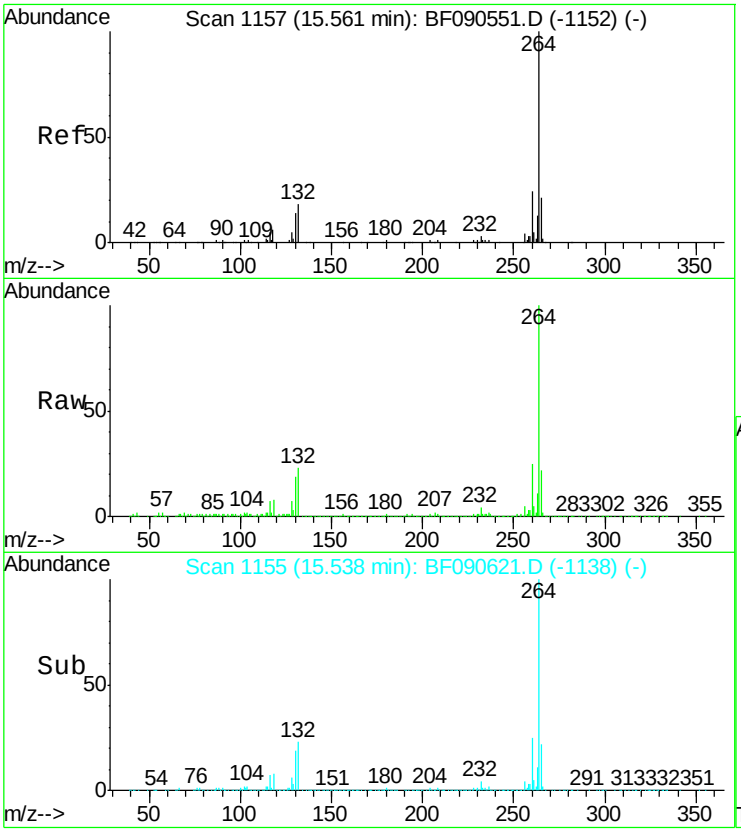




#78
Terphenyl-d14
Concen: 39.83 ng
RT: 13.02 min Scan# 935
Delta R.T. -0.01 min
Lab File: BF090621.D
Acq: 17 Oct 2016 21:30

Tgt Ion:244 Resp: 784967

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.2 | 5.0 | 7.4 |
| 122 | 14.0 | 5.6 | 8.4# |






#86
Perylene-d12
Concen: 20.00 ng
RT: 15.54 min Scan# 1155
Delta R.T. -0.00 min
Lab File: BF090621.D
Acq: 17 Oct 2016 21:30

**Instrument :**
BNA_F
**ClientSampleId :**
5

Tgt Ion:264 Resp: 424160

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.8 | 19.3 | 28.9 |
| 265 | 22.1 | 16.7 | 25.1 |