Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111516\
Data File : BF091179.D
Acq On : 15 Nov 2016 15:26
Operator : UM/SJ
Sample : H5636-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** C19043041

Quant Time: Nov 16 00:19:57 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 08 12:59:29 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.64 | 152 | 164828 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 7.92 | 136 | 717523 | 20.00 | ng | | -0.03 |
| 38) Acenaphthene-d10 | 9.66 | 164 | 384772 | 20.00 | ng | | -0.03 |
| 63) Phenanthrene-d10 | 11.15 | 188 | 674718 | 20.00 | ng | | -0.02 |
| 75) Chrysene-d12 | 13.78 | 240 | 591822 | 20.00 | ng | | -0.03 |
| 86) Perylene-d12 | 15.15 | 264 | 466945 | 20.00 | ng | | -0.03 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.22 | 112 | 669242 | 67.06 | ng | | -0.02 |
| 7) Phenol-d6 | 6.28 | 99 | 559193 | 41.28 | ng | | -0.03 |
| 23) Nitrobenzene-d5 | 7.21 | 82 | 1327640 | 100.94 | ng | | -0.03 |
| 41) 2,4,6-Tribromophenol | 10.46 | 330 | 568854 | 163.53 | ng | | -0.02 |
| 44) 2-Fluorobiphenyl | 9.00 | 172 | 2000752 | 89.52 | ng | | -0.03 |
| 78) Terphenyl-d14 | 12.74 | 244 | 2193108 | 92.47 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 9) Benzaldehyde | 6.41 | 77 | 29594 | 3.94 | ng | | 93 |
| 15) Benzyl Alcohol | 6.78 | 79 | 20695 | 2.17 | ng | # | 52 |
| 19) n-Nitroso-di-n-propylamine | 7.21 | 70 | 182471 | 19.44 | ng | # | 77 |
| 25) Isophorone | 7.21 | 82 | 1316609 | 51.95 | ng | # | 67 |
| 35) Caprolactam | 8.34 | 113 | 11649 | 4.18 | ng | | 95 |
| 49) Dimethylphthalate | 9.40 | 163 | 76161 | 3.02 | ng | | 97 |
| 50) 2,6-Dinitrotoluene | 9.66 | 165 | 49450 | 9.15 | ng | # | 11 |
| 56) 2,4-Dinitrotoluene | 9.66 | 165 | 49451 | 7.19 | ng | # | 26 |
| 66) 4-Bromophenyl-phenylether | 10.46 | 248 | 38274 | 5.45 | ng | # | 1 |

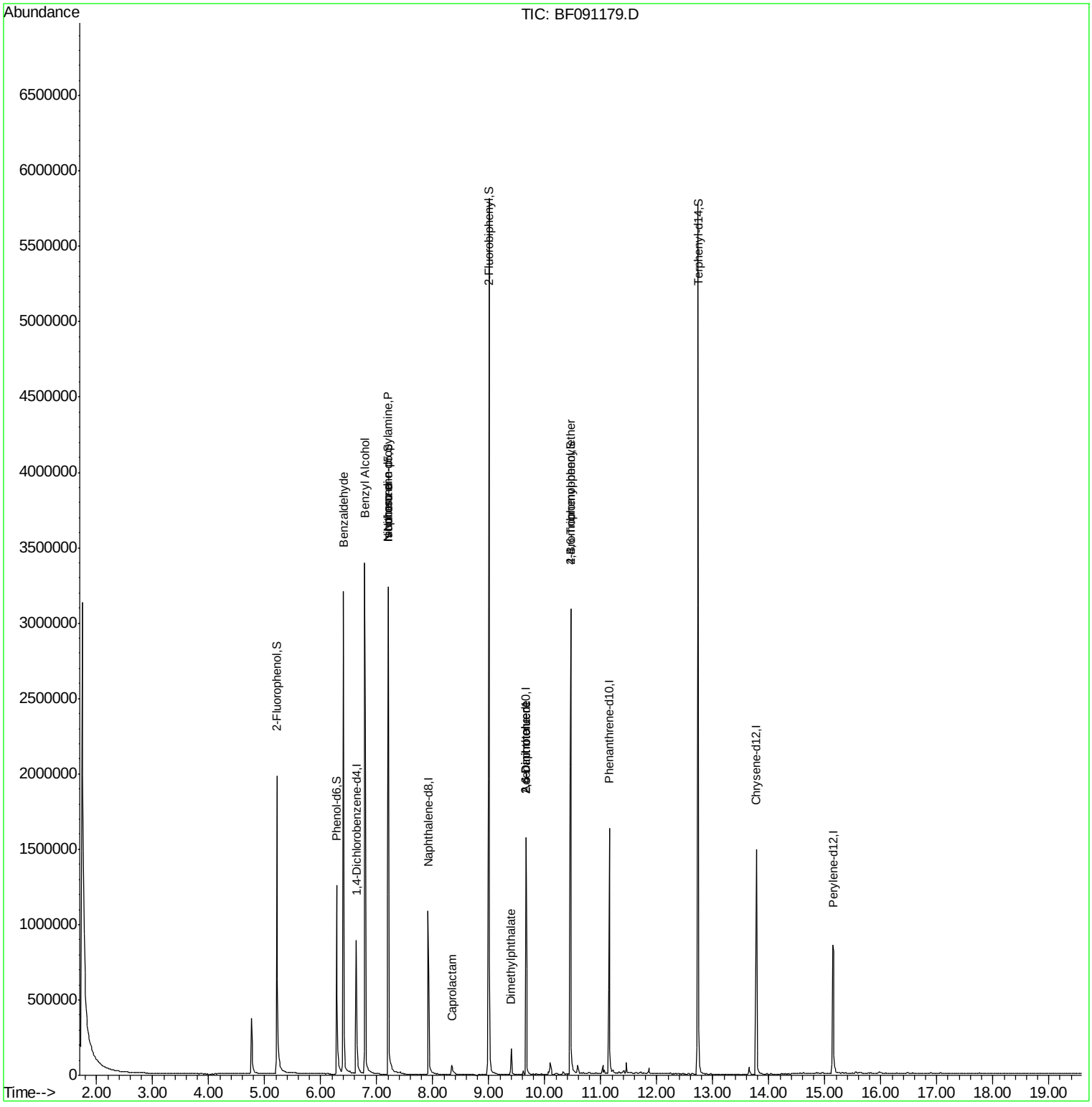
(#) = qualifier out of range (m) = manual integration (+) = signals summed

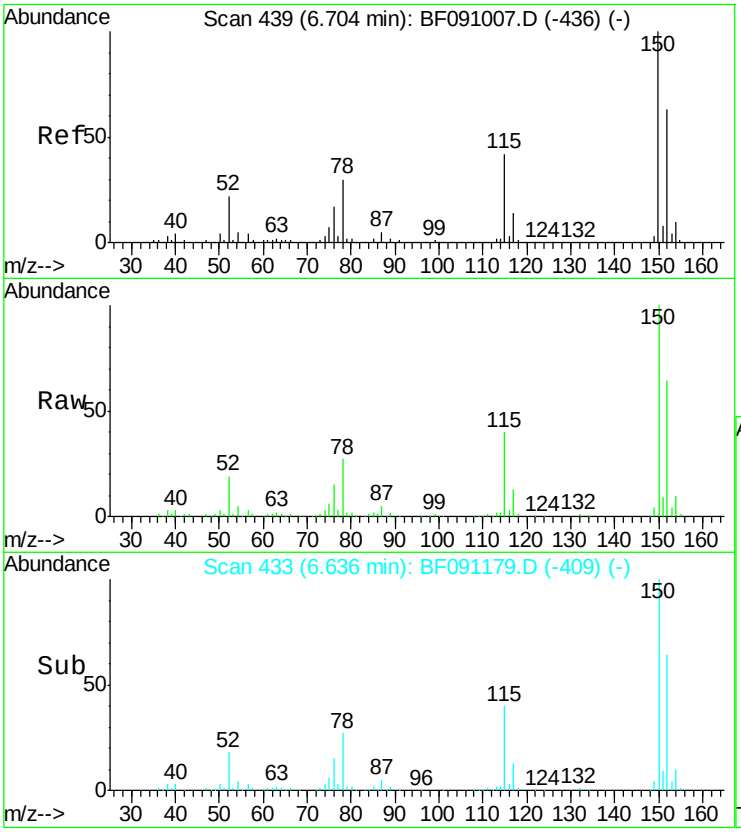
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111516\
Data File : BF091179.D
Acq On : 15 Nov 2016 15:26
Operator : UM/SJ
Sample : H5636-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
C19043041

Quant Time: Nov 16 00:19:57 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 08 12:59:29 2016
Response via : Initial Calibration



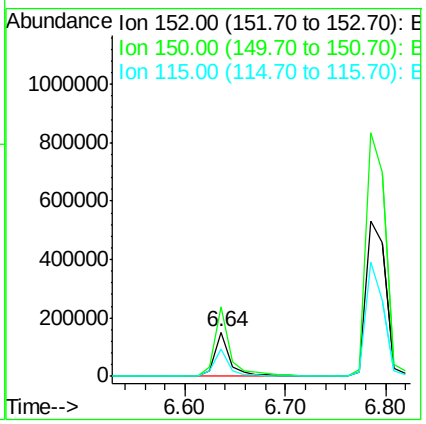


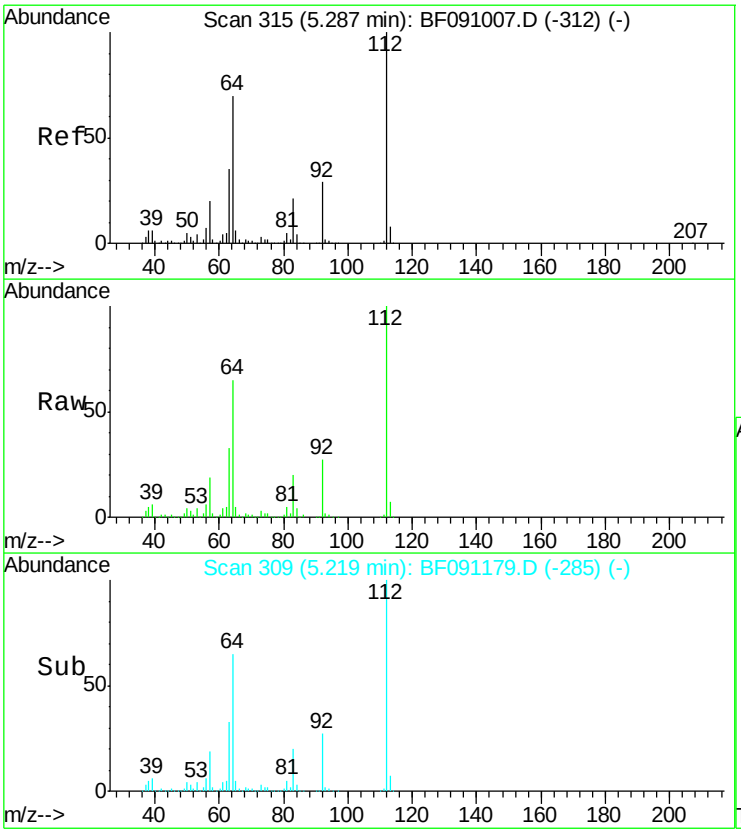

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.64 min Scan# 433
Delta R.T. -0.02 min
Lab File: BF091179.D
Acq: 15 Nov 2016 15:26

**Instrument :**
BNA_F
**ClientSampleId :**
C19043041

Tgt Ion:152 Resp: 164828

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.3 | 126.8 | 190.2 |
| 115 | 61.8 | 53.3 | 79.9 |

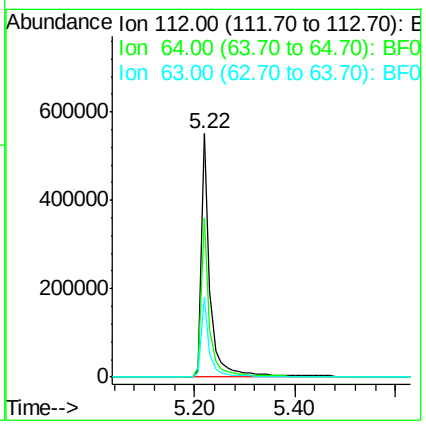


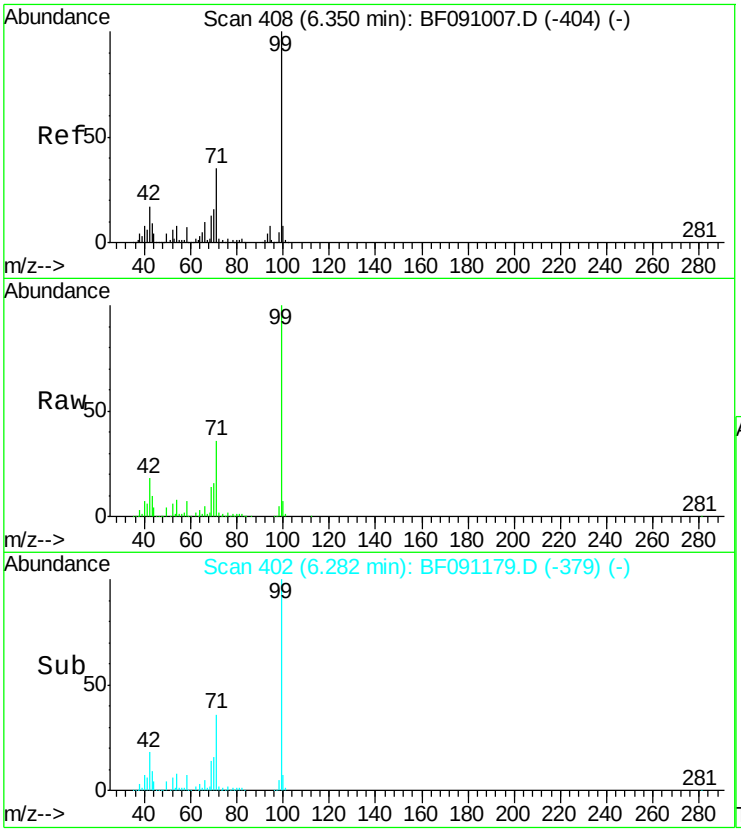




#5
2-Fluorophenol
Concen: 67.06 ng
RT: 5.22 min Scan# 309
Delta R.T. -0.02 min
Lab File: BF091179.D
Acq: 15 Nov 2016 15:26

Tgt Ion:112 Resp: 669242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 65.1 | 55.8 | 83.6 |
| 63 | 33.0 | 28.0 | 42.0 |



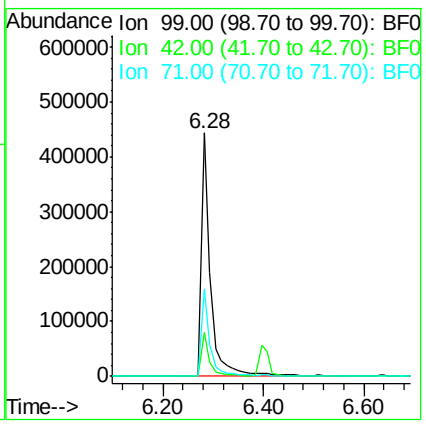


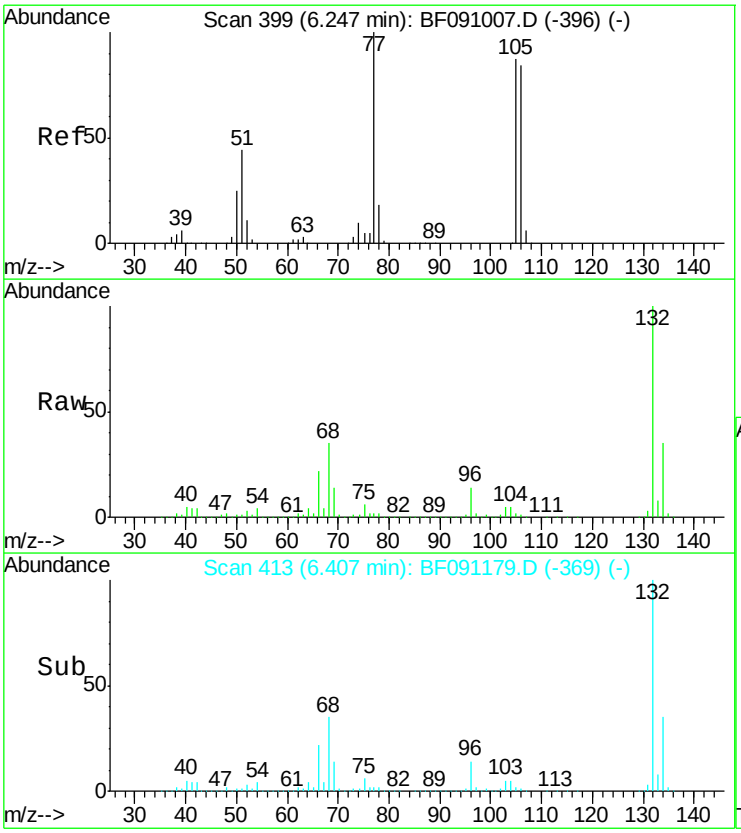

#7
Phenol-d6
Concen: 41.28 ng
RT: 6.28 min Scan# 402
Delta R.T. -0.03 min
Lab File: BF091179.D
Acq: 15 Nov 2016 15:26

**Instrument :**
BNA_F
**ClientSampleId :**
C19043041

Tgt Ion: 99 Resp: 559193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.2 | 13.9 | 20.9 |
| 71 | 35.8 | 27.8 | 41.8 |

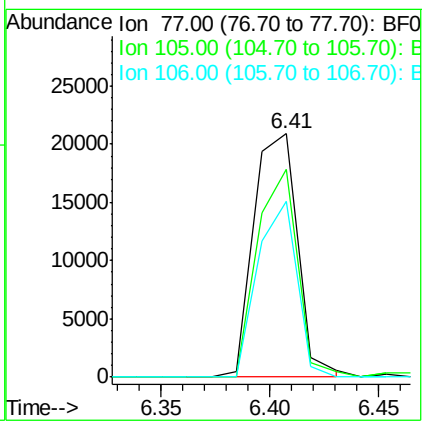


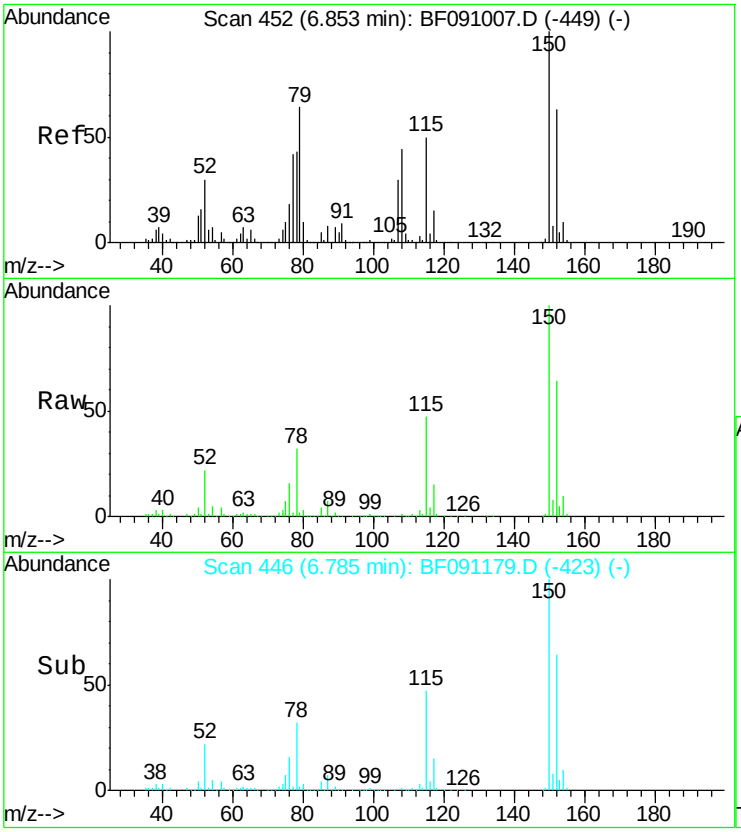




#9
Benzaldehyde
Concen: 3.94 ng
RT: 6.41 min Scan# 413
Delta R.T. 0.21 min
Lab File: BF091179.D
Acq: 15 Nov 2016 15:26

Tgt Ion: 77 Resp: 29594

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 85.5 | 66.8 | 106.8 |
| 106 | 72.0 | 64.0 | 104.0 |



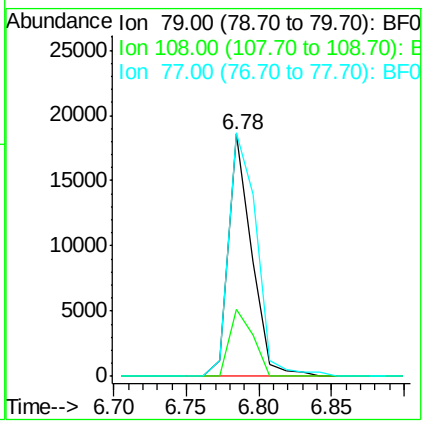


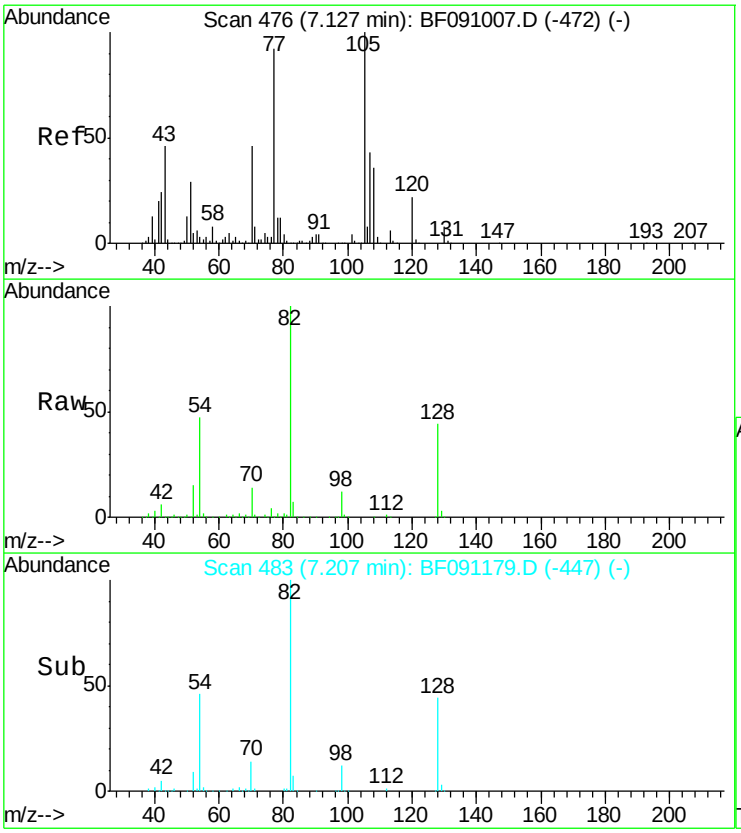

#15
Benzyl Alcohol
Concen: 2.17 ng
RT: 6.78 min Scan# 446
Delta R.T. -0.03 min
Lab File: BF091179.D
Acq: 15 Nov 2016 15:26

**Instrument :**
BNA_F
**ClientSampleId :**
C19043041

Tgt Ion: 79 Resp: 20695

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 27.8 | 55.7 | 83.5# |
| 77 | 100.6 | 52.6 | 79.0# |

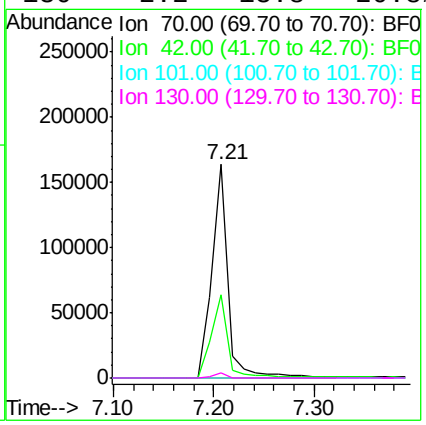


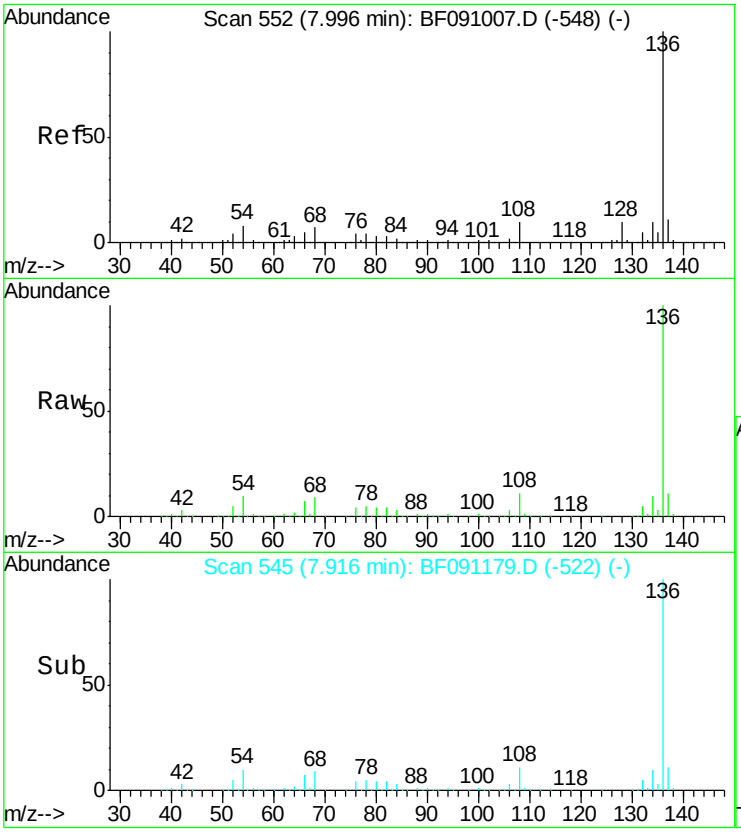




#19
n-Nitroso-di-n-propylamine
Concen: 19.44 ng
RT: 7.21 min Scan# 483
Delta R.T. 0.11 min
Lab File: BF091179.D
Acq: 15 Nov 2016 15:26

Tgt Ion: 70 Resp: 182471

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 38.9 | 41.7 | 62.5# |
| 101 | 0.0 | 6.7 | 10.1# |
| 130 | 2.2 | 13.8 | 20.8# |



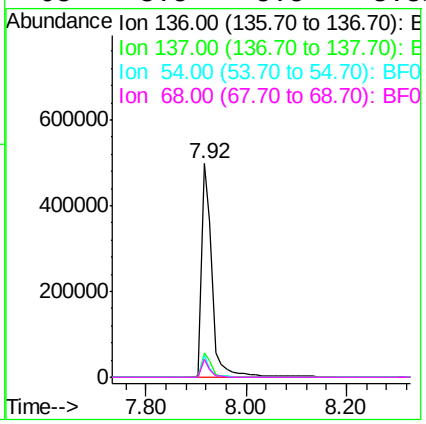


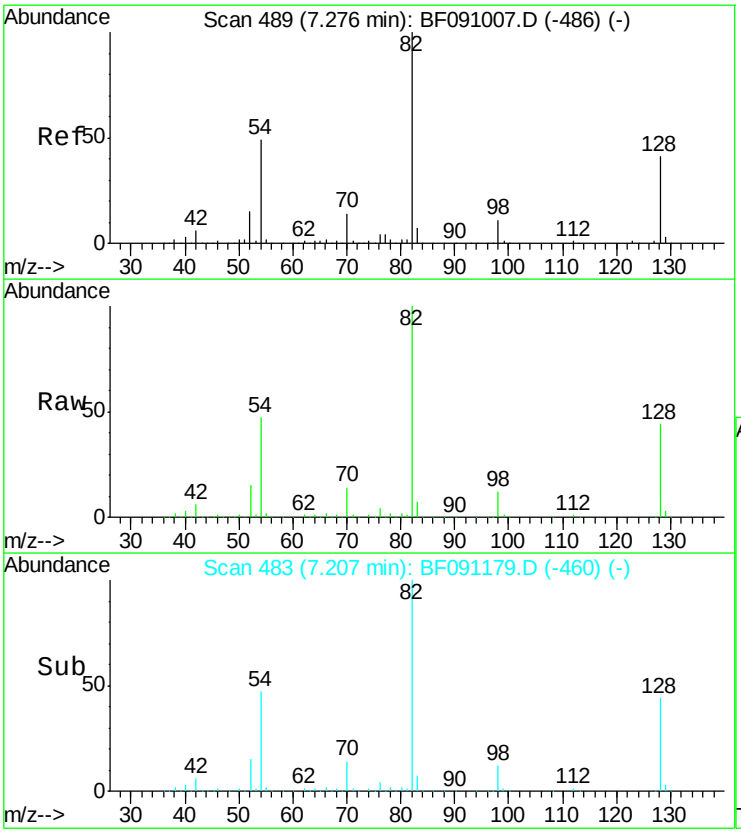

#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.92 min Scan# 545
Delta R.T. -0.03 min
Lab File: BF091179.D
Acq: 15 Nov 2016 15:26

**Instrument :**
BNA_F
**ClientSampleId :**
C19043041

Tgt Ion:136 Resp: 717523

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.4 | 8.9 | 13.3 |
| 54 | 10.3 | 6.2 | 9.2# |
| 68 | 8.5 | 5.5 | 8.3# |

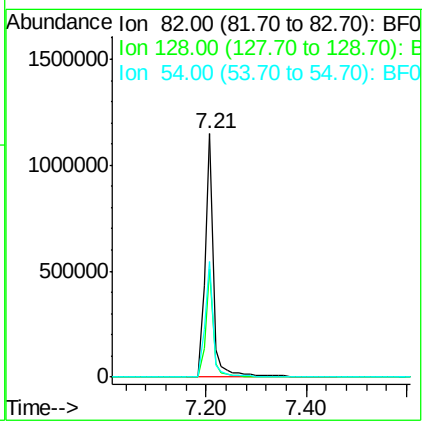


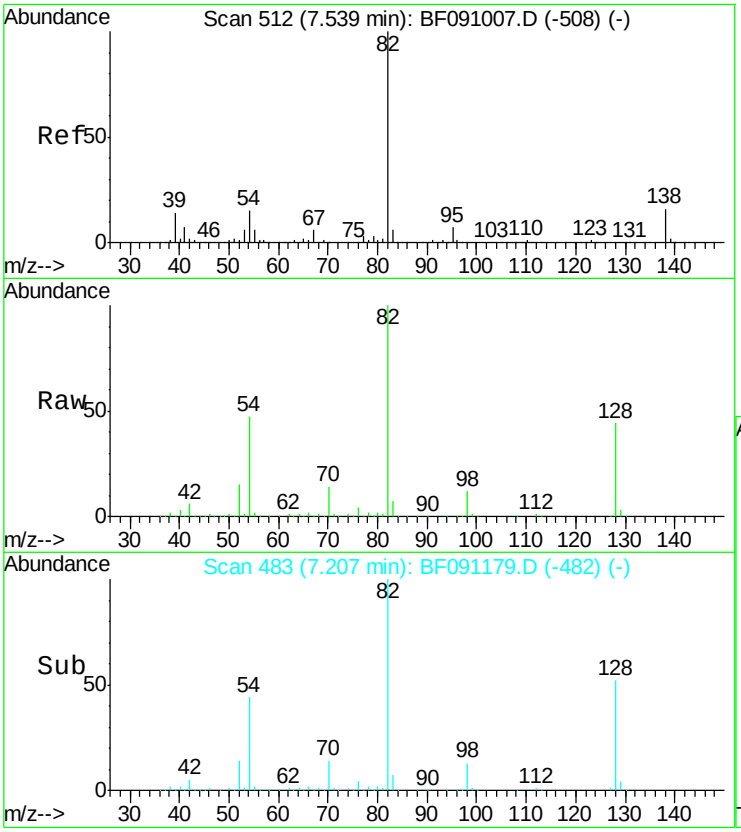




#23
Nitrobenzene-d5
Concen: 100.94 ng
RT: 7.21 min Scan# 483
Delta R.T. -0.03 min
Lab File: BF091179.D
Acq: 15 Nov 2016 15:26

Tgt Ion: 82 Resp: 1327640

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.4 | 32.4 | 48.6 |
| 54 | 47.4 | 39.2 | 58.8 |



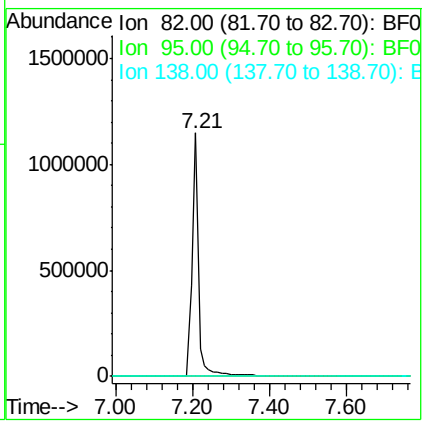


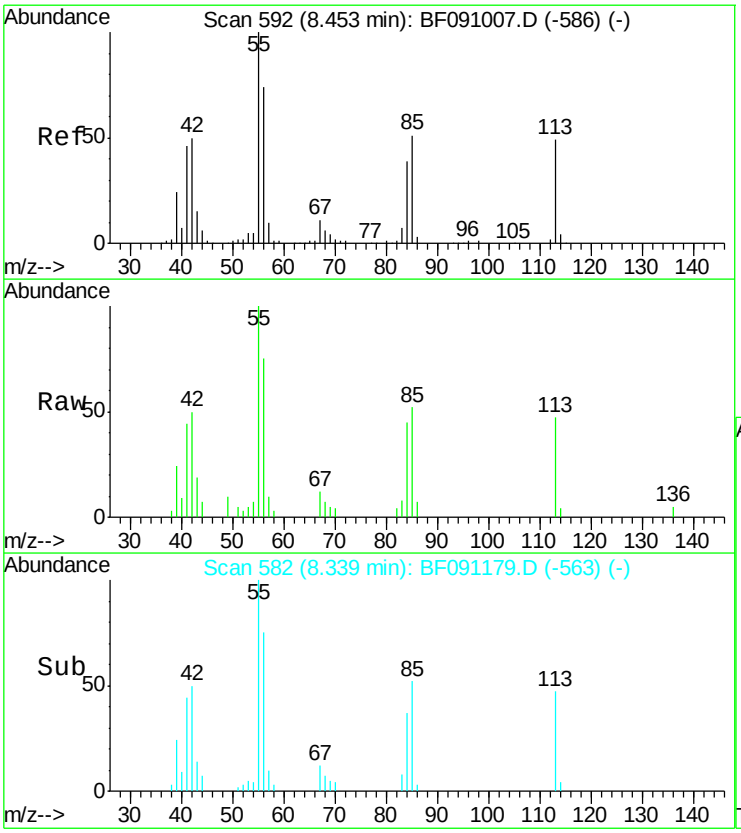

#25
Isophorone
Concen: 51.95 ng
RT: 7.21 min Scan# 483
Delta R.T. -0.29 min
Lab File: BF091179.D
Acq: 15 Nov 2016 15:26

**Instrument :**
BNA_F
**ClientSampleId :**
C19043041

Tgt Ion: 82 Resp: 1316609

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 0.0 | 5.4 | 8.0# |
| 138 | 0.0 | 13.0 | 19.4# |

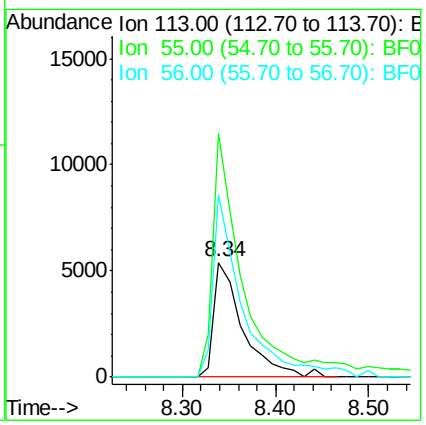


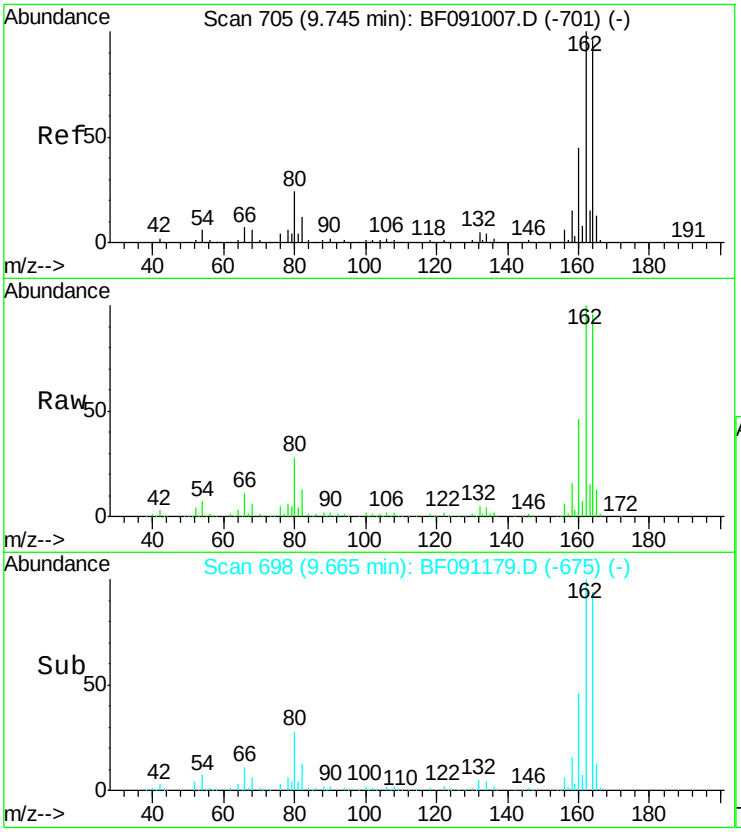




#35
Caprolactam
Concen: 4.18 ng
RT: 8.34 min Scan# 582
Delta R.T. -0.08 min
Lab File: BF091179.D
Acq: 15 Nov 2016 15:26

Tgt Ion:113 Resp: 11649

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 212.2 | 184.1 | 224.1 |
| 56 | 159.3 | 132.0 | 172.0 |



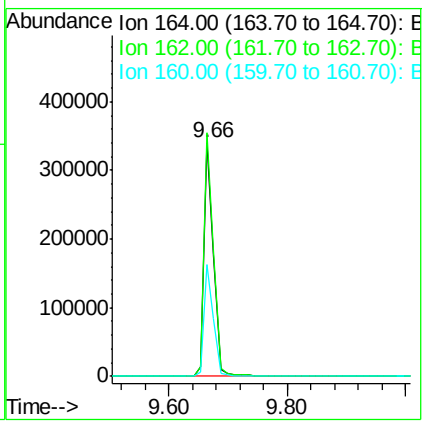


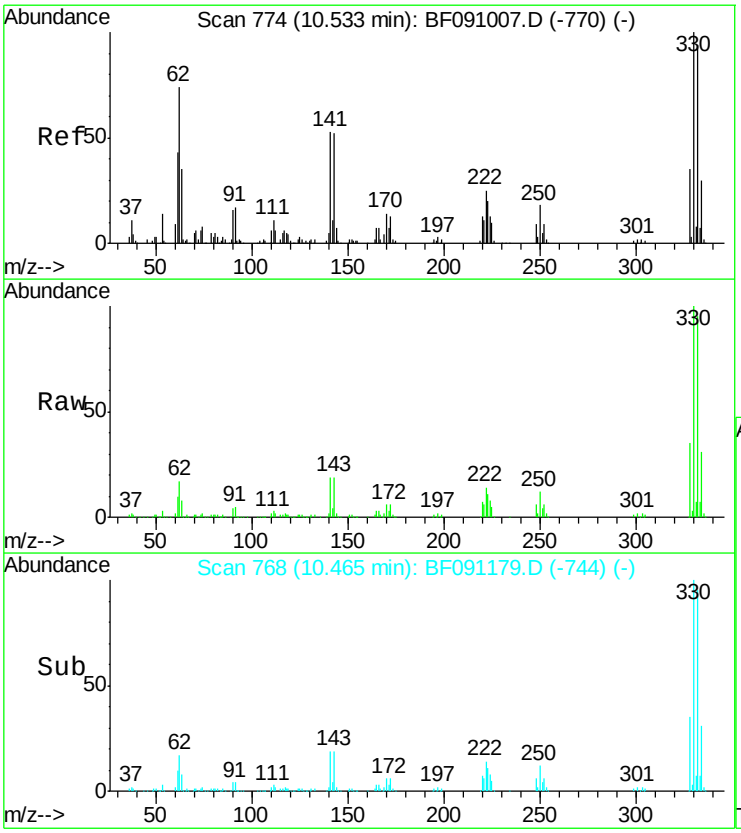

#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.66 min Scan# 698
Delta R.T. -0.03 min
Lab File: BF091179.D
Acq: 15 Nov 2016 15:26

**Instrument :**
BNA_F
**ClientSampleId :**
C19043041

Tgt Ion:164 Resp: 384772

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 104.1 | 83.6 | 125.4 |
| 160 | 48.0 | 37.9 | 56.9 |

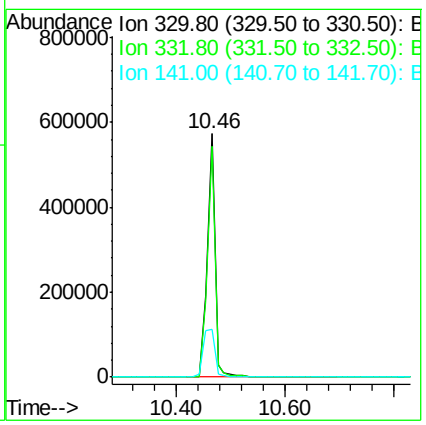


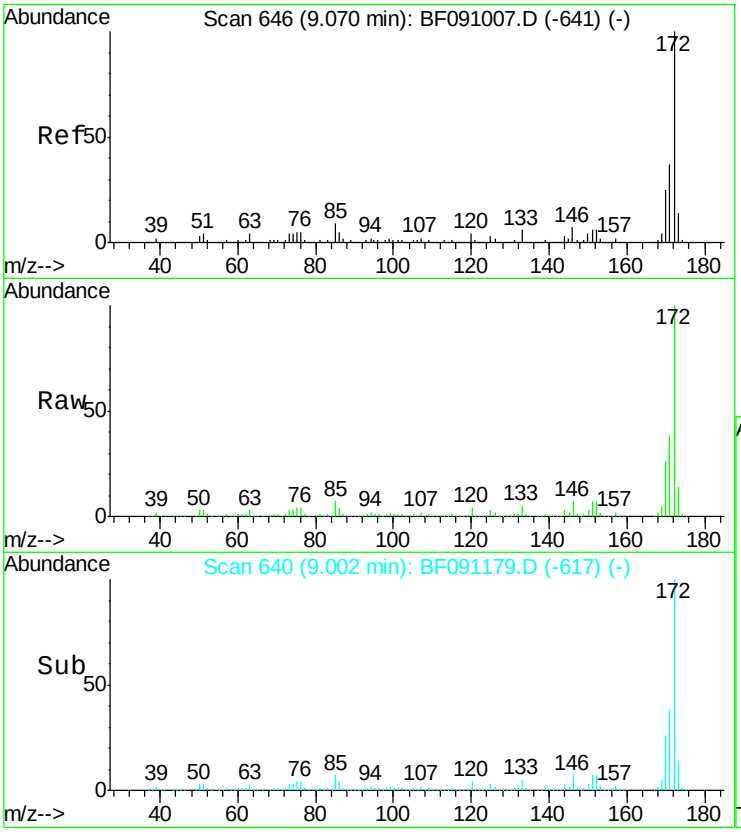




#41
2,4,6-Tribromophenol
Concen: 163.53 ng
RT: 10.46 min Scan# 768
Delta R.T. -0.02 min
Lab File: BF091179.D
Acq: 15 Nov 2016 15:26

Tgt Ion:330 Resp: 568854

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.3 | 75.9 | 113.9 |
| 141 | 30.0 | 36.1 | 54.1# |



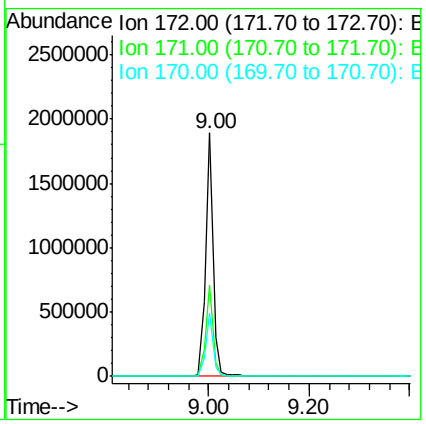


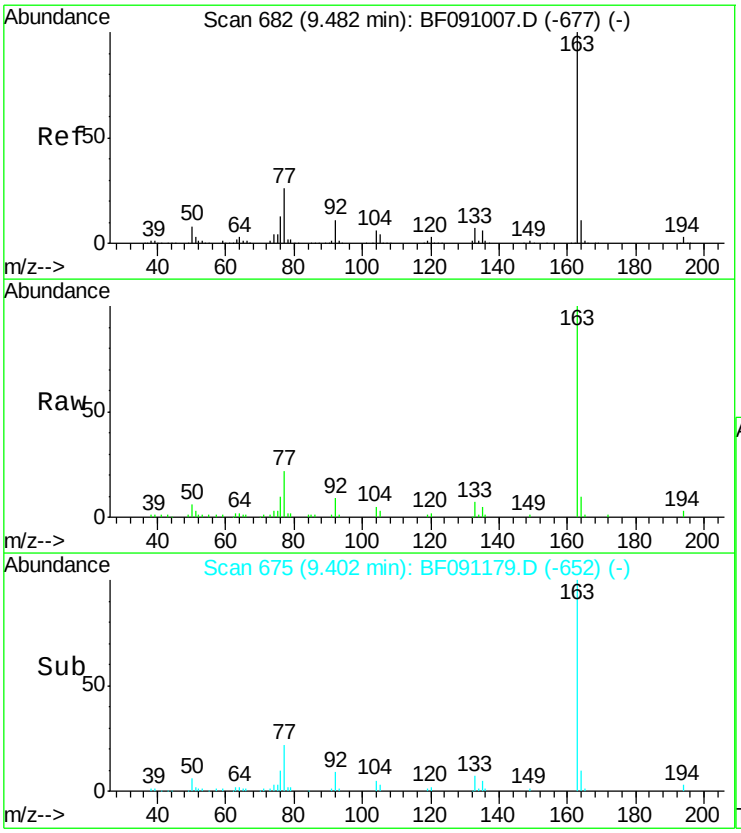

#44
2-Fluorobiphenyl
Concen: 89.52 ng
RT: 9.00 min Scan# 640
Delta R.T. -0.03 min
Lab File: BF091179.D
Acq: 15 Nov 2016 15:26

**Instrument :**
BNA_F
**ClientSampleId :**
C19043041

Tgt Ion:172 Resp: 2000752

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 37.7 | 29.8 | 44.6 |
| 170 | 26.1 | 20.3 | 30.5 |

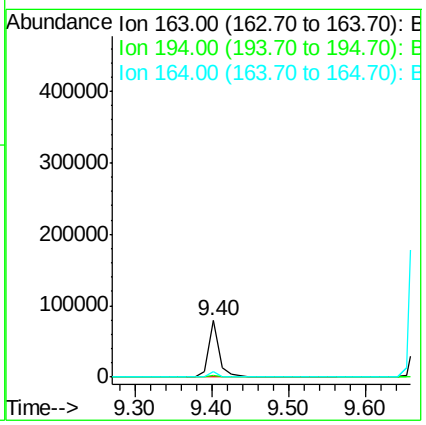


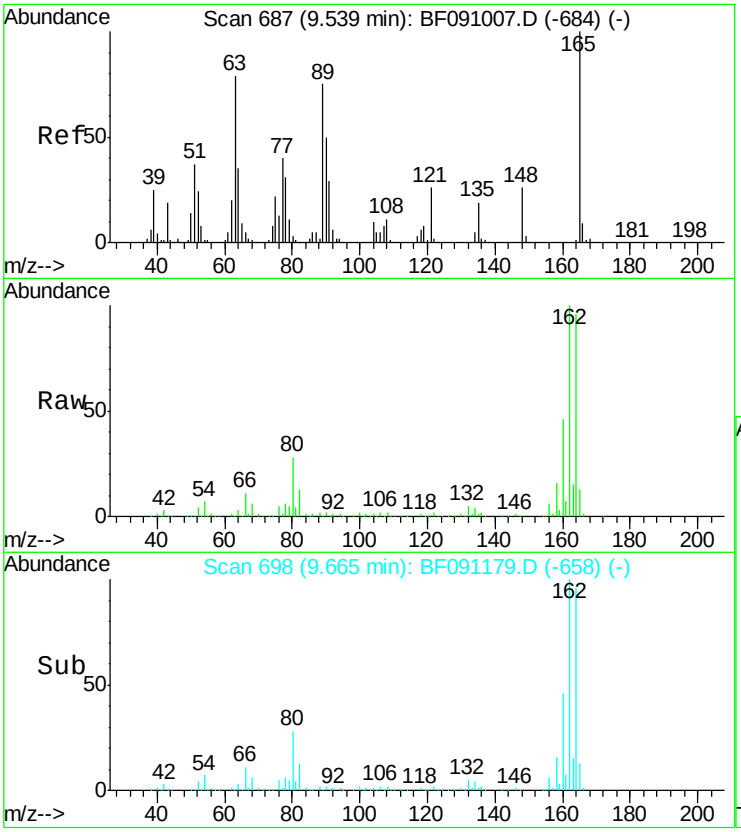




#49
Dimethylphthalate
Concen: 3.02 ng
RT: 9.40 min Scan# 675
Delta R.T. -0.03 min
Lab File: BF091179.D
Acq: 15 Nov 2016 15:26

Tgt Ion:163 Resp: 76161

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.3 | 2.6 | 4.0 |
| 164 | 9.6 | 8.7 | 13.1 |



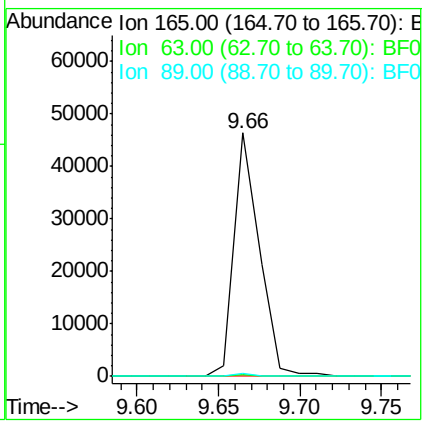


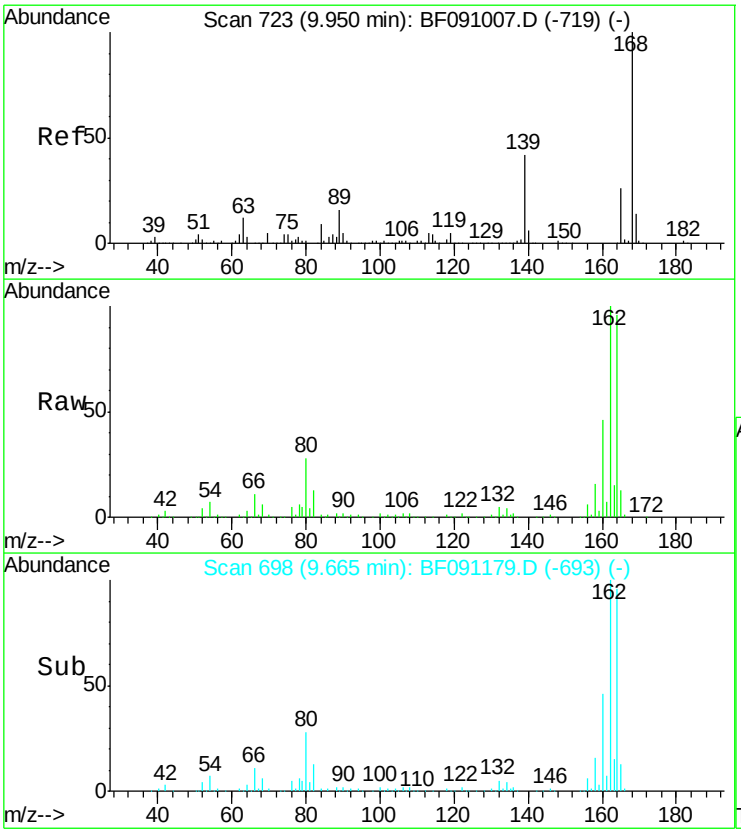

#50
2,6-Dinitrotoluene
Concen: 9.15 ng
RT: 9.66 min Scan# 698
Delta R.T. 0.16 min
Lab File: BF091179.D
Acq: 15 Nov 2016 15:26

**Instrument :**
BNA_F
**ClientSampleId :**
C19043041

Tgt Ion:165 Resp: 49450

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 0.9 | 65.6 | 98.4# |
| 89 | 1.1 | 59.8 | 89.6# |

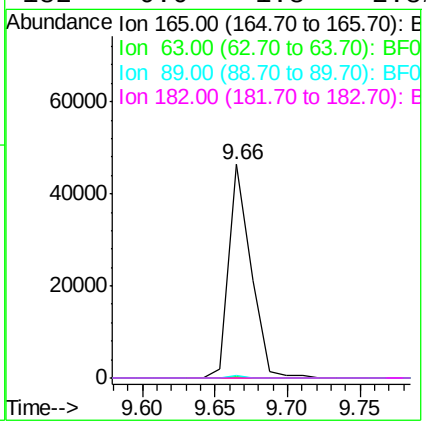


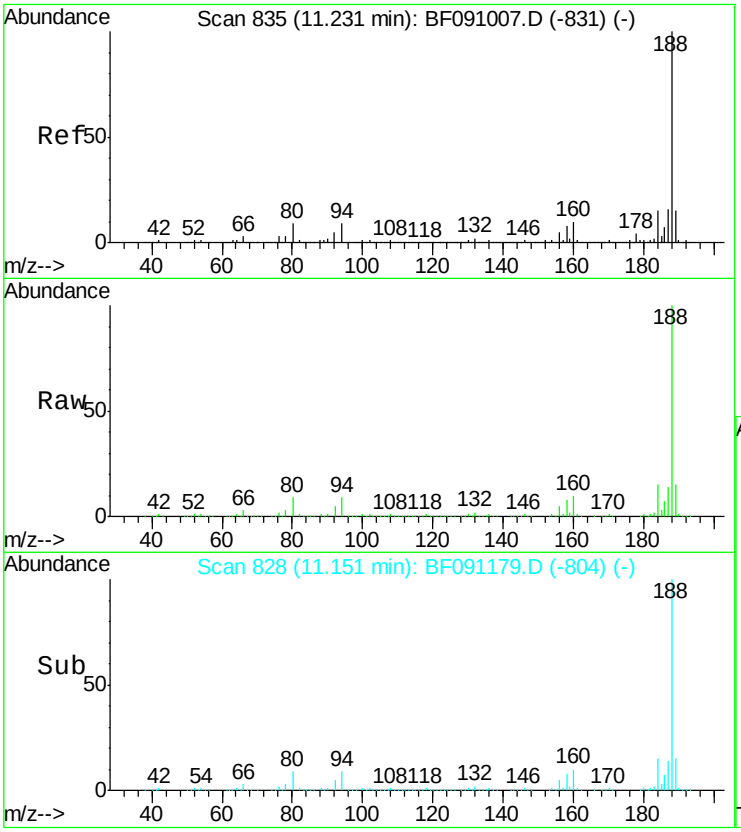




#56
2,4-Dinitrotoluene
Concen: 7.19 ng
RT: 9.66 min Scan# 698
Delta R.T. -0.24 min
Lab File: BF091179.D
Acq: 15 Nov 2016 15:26

Tgt Ion:165 Resp: 49451

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 0.9 | 38.7 | 58.1# |
| 89 | 1.1 | 50.6 | 76.0# |
| 182 | 0.0 | 1.8 | 2.8# |



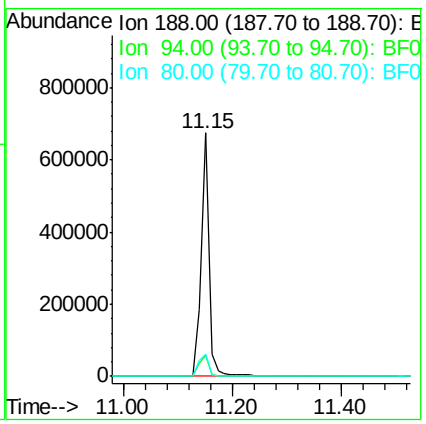


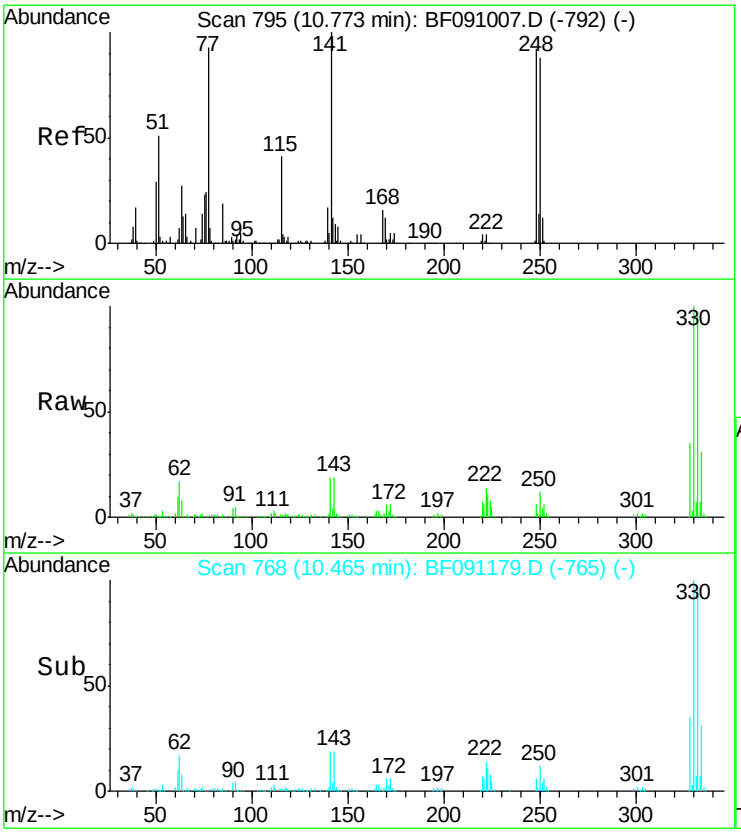

#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.15 min Scan# 828
Delta R.T. -0.02 min
Lab File: BF091179.D
Acq: 15 Nov 2016 15:26

**Instrument :**
BNA_F
**ClientSampleId :**
C19043041

Tgt Ion:188 Resp: 674718

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.6 | 7.0 | 10.4 |
| 80 | 9.2 | 7.5 | 11.3 |

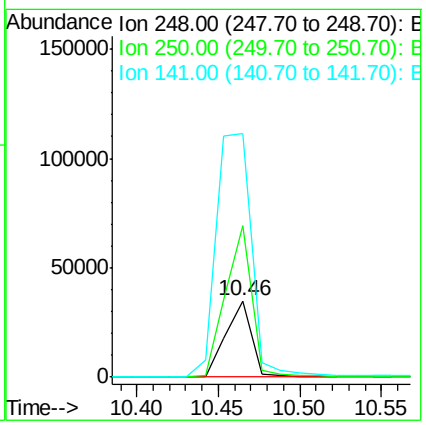


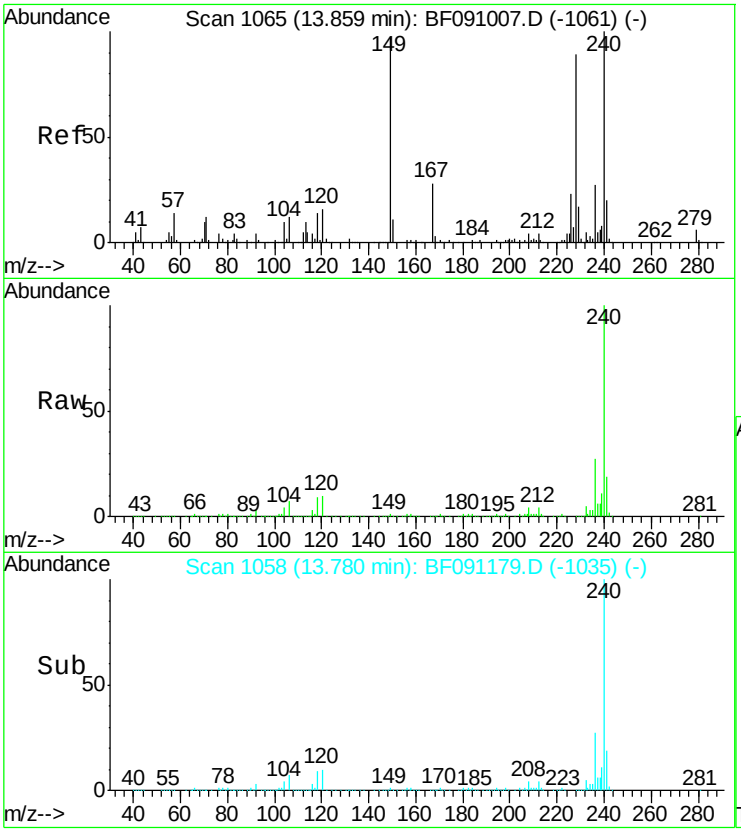




#66
4-Bromophenyl-phenylether
Concen: 5.45 ng
RT: 10.46 min Scan# 768
Delta R.T. -0.26 min
Lab File: BF091179.D
Acq: 15 Nov 2016 15:26

Tgt Ion:248 Resp: 38274

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 198.8 | 76.3 | 114.5# |
| 141 | 319.1 | 86.8 | 130.2# |



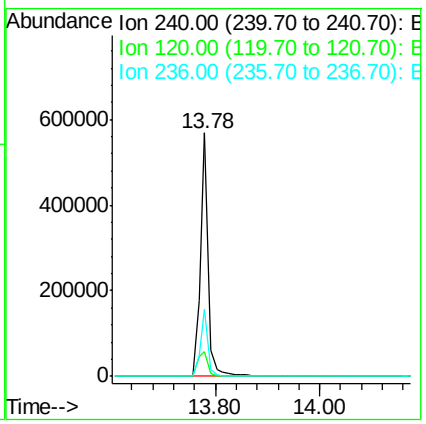


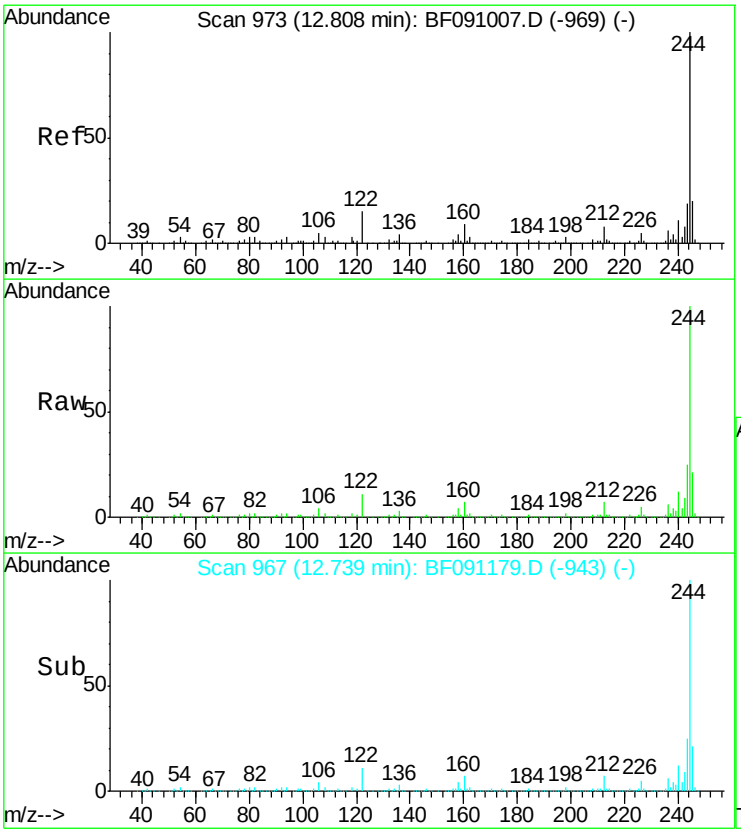

#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.78 min Scan# 1058
Delta R.T. -0.03 min
Lab File: BF091179.D
Acq: 15 Nov 2016 15:26

**Instrument :**
BNA_F
**ClientSampleId :**
C19043041

Tgt Ion:240 Resp: 591822

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.3 | 12.9 | 19.3# |
| 236 | 27.3 | 21.9 | 32.9 |

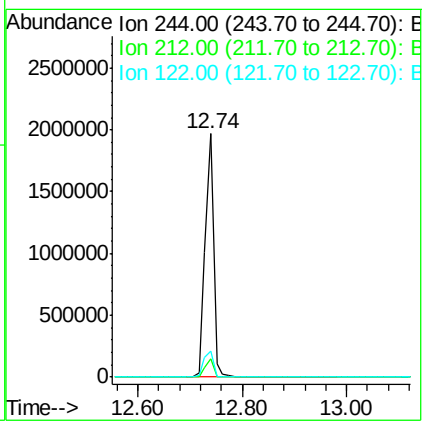


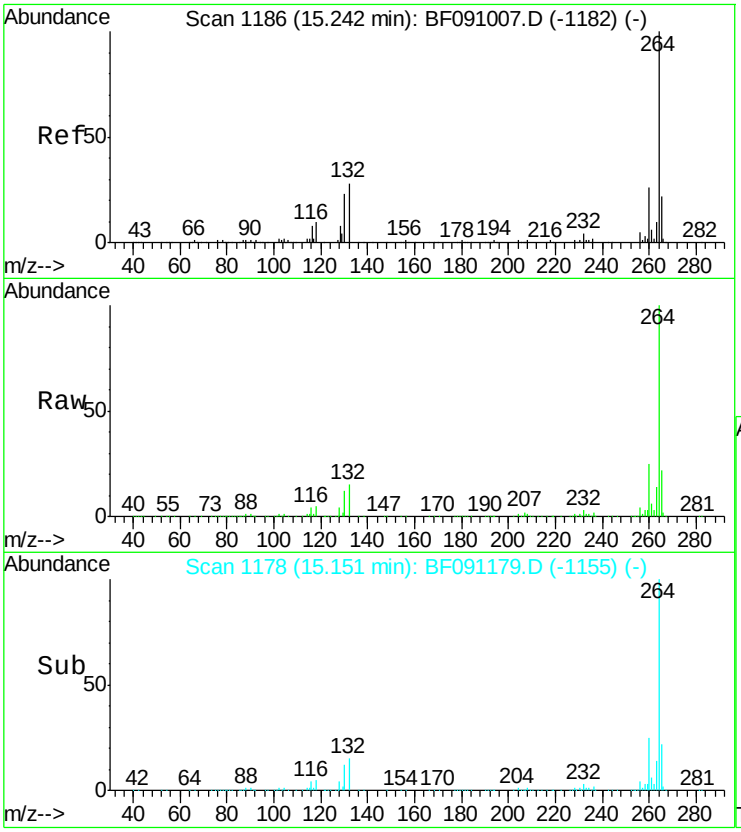




#78
Terphenyl-d14
Concen: 92.47 ng
RT: 12.74 min Scan# 967
Delta R.T. -0.02 min
Lab File: BF091179.D
Acq: 15 Nov 2016 15:26

Tgt Ion:244 Resp: 2193108

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.4 | 6.4 | 9.6 |
| 122 | 10.8 | 12.3 | 18.5# |






#86
Perylene-d12
Concen: 20.00 ng
RT: 15.15 min Scan# 1178
Delta R.T. -0.03 min
Lab File: BF091179.D
Acq: 15 Nov 2016 15:26

**Instrument :**
BNA_F
**ClientSampleId :**
C19043041

Tgt Ion:264 Resp: 466945

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 25.3 | 20.6 | 30.8 |
| 265 | 21.7 | 17.8 | 26.8 |