Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120916\
Data File : BF091538.D
Acq On : 9 Dec 2016 20:20
Operator : UM/SJ
Sample : PB94152BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PB95152BL

Quant Time: Dec 09 22:12:56 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 09 19:00:21 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.81 | 152 | 276952 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 8.10 | 136 | 1179336 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.85 | 164 | 601566 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 11.32 | 188 | 995211 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 13.96 | 240 | 881546 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.37 | 264 | 718798 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.42 | 112 | 1300514 | 79.11 | ng | | 0.01 |
| 7) Phenol-d6 | 6.44 | 99 | 1388227 | 67.74 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.38 | 82 | 1885292 | 89.22 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.64 | 330 | 360218 | 72.09 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.17 | 172 | 2570128 | 73.82 | ng | | -0.01 |
| 78) Terphenyl-d14 | 12.92 | 244 | 2711063 | 69.78 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 9) Benzaldehyde | 6.58 | 77 | 31373 | 2.22 | ng | | 88 |
| 19) n-Nitroso-di-n-propylamine | 7.38 | 70 | 254729 | 19.88 | ng | # | 62 |
| 32) Benzoic acid | 8.10 | 122 | 228 | 4.91 | ng | # | 1 |
| 50) 2,6-Dinitrotoluene | 9.85 | 165 | 78024 | 9.33 | ng | # | 16 |
| 56) 2,4-Dinitrotoluene | 9.85 | 165 | 78028 | 7.45 | ng | # | 33 |
| 64) 4,6-Dinitro-2-methylphenol | 10.64 | 198 | 913 | 3.09 | ng | # | 53 |
| 66) 4-Bromophenyl-phenylether | 10.64 | 248 | 23518 | 2.30 | ng | # | 1 |

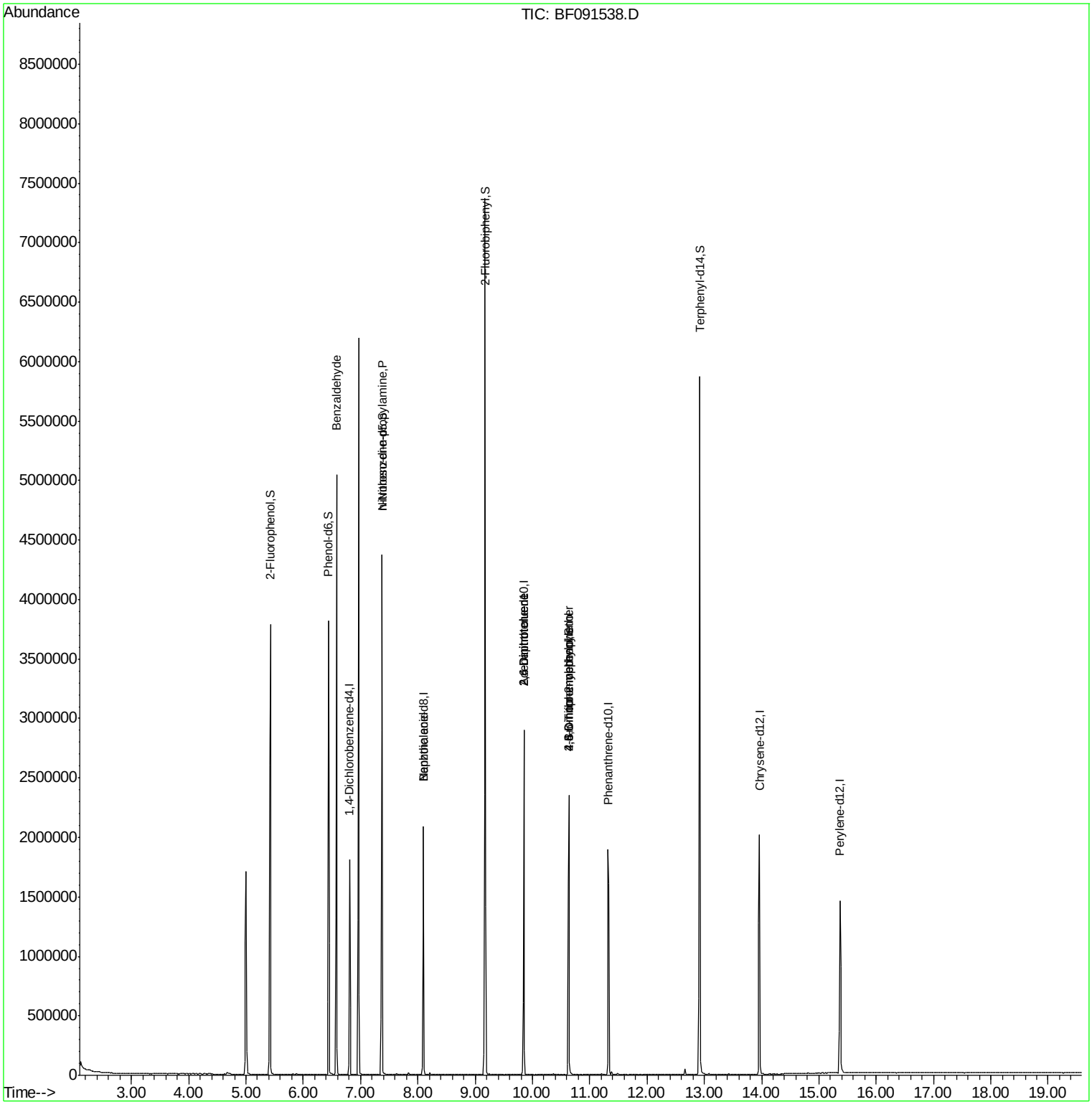
(#) = qualifier out of range (m) = manual integration (+) = signals summed

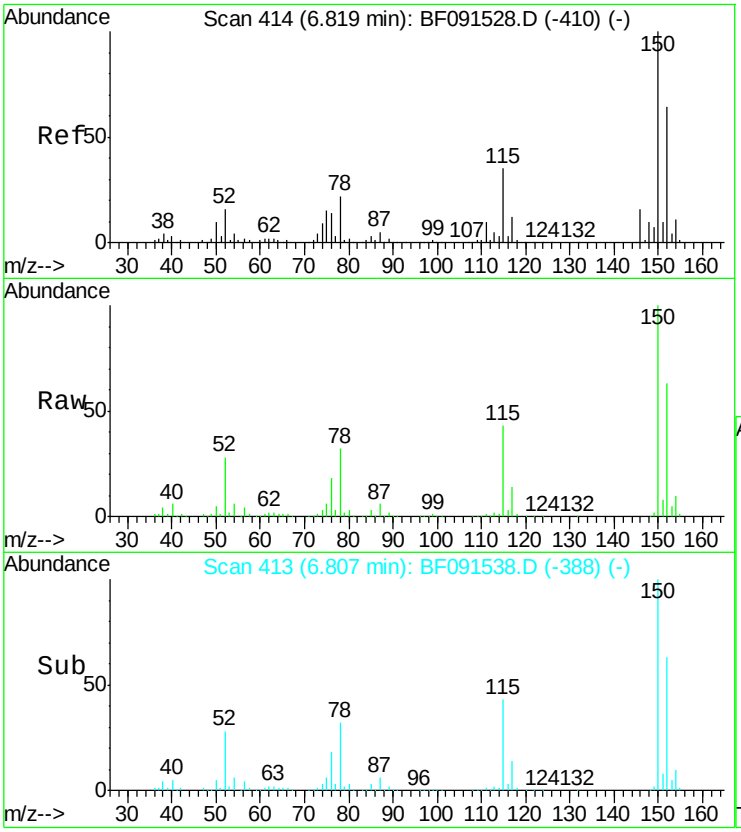
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120916\
Data File : BF091538.D
Acq On : 9 Dec 2016 20:20
Operator : UM/SJ
Sample : PB94152BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB95152BL

Quant Time: Dec 09 22:12:56 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 09 19:00:21 2016
Response via : Initial Calibration



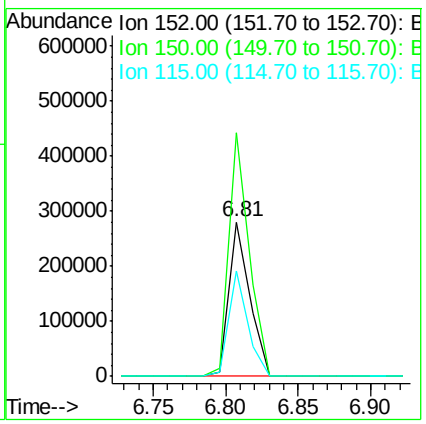


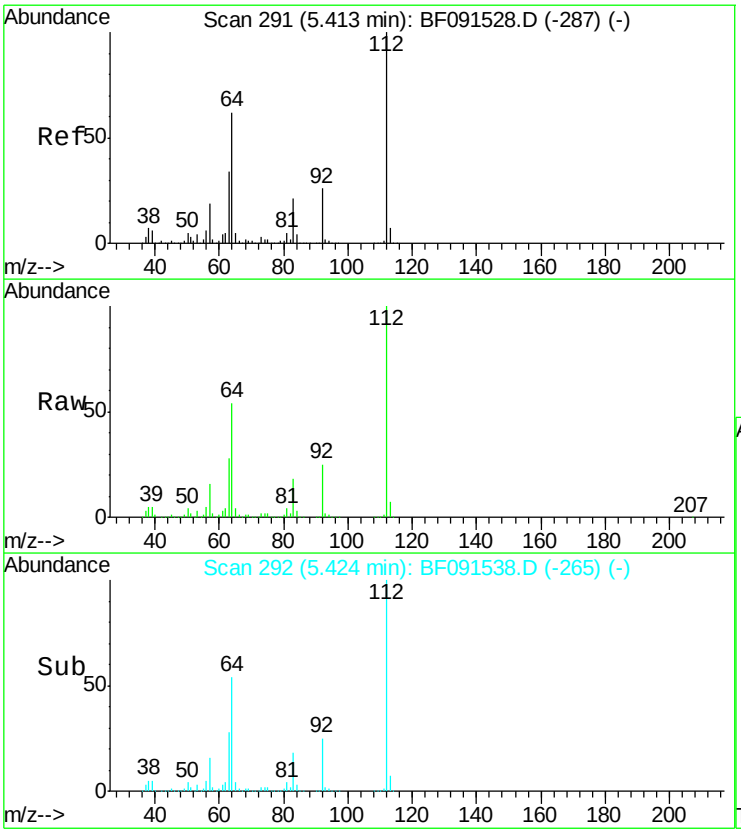

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 413
Delta R.T. -0.01 min
Lab File: BF091538.D
Acq: 9 Dec 2016 20:20

**Instrument :**
BNA_F
**ClientSampleId :**
PB95152BL

Tgt Ion:152 Resp: 276952

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.8 | 122.5 | 183.7 |
| 115 | 68.6 | 51.8 | 77.8 |

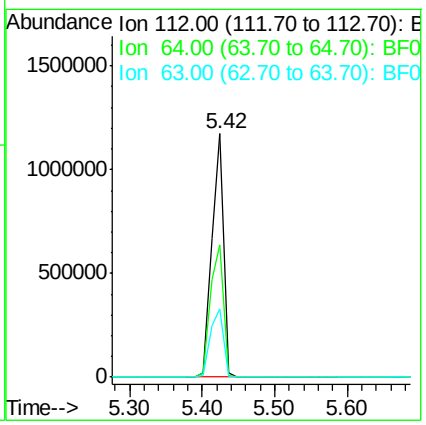


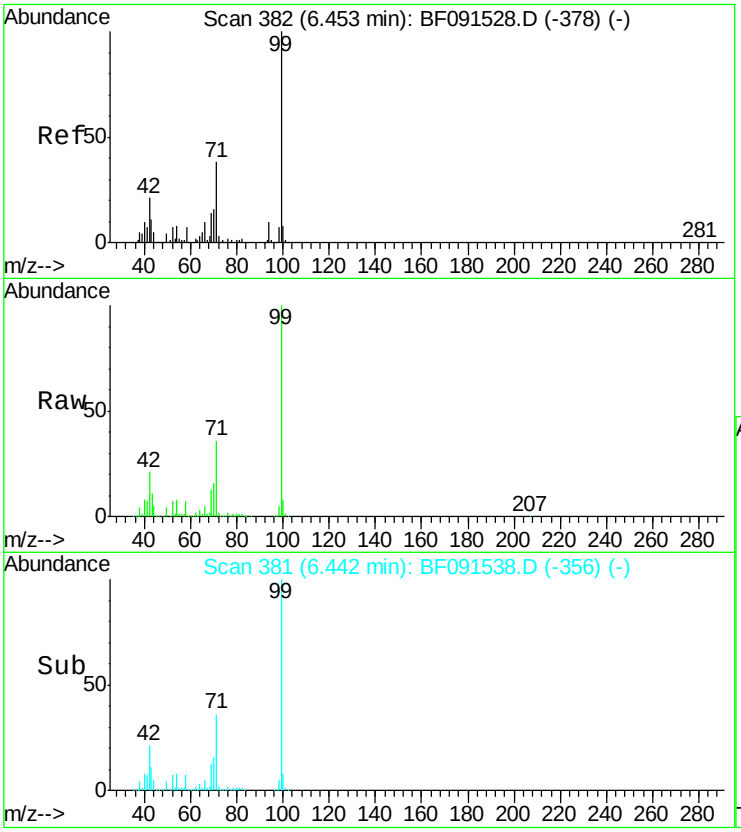




#5
2-Fluorophenol
Concen: 79.11 ng
RT: 5.42 min Scan# 292
Delta R.T. 0.01 min
Lab File: BF091538.D
Acq: 9 Dec 2016 20:20

Tgt Ion:112 Resp: 1300514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 54.3 | 61.5 | 92.3# |
| 63 | 27.8 | 33.3 | 49.9# |



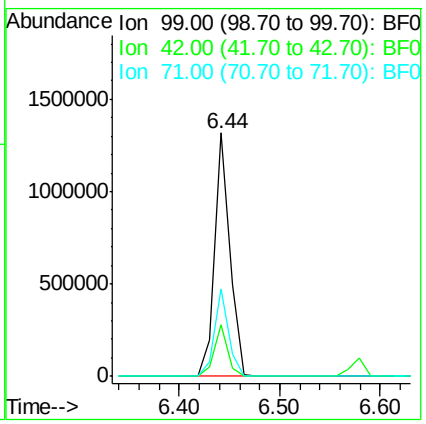


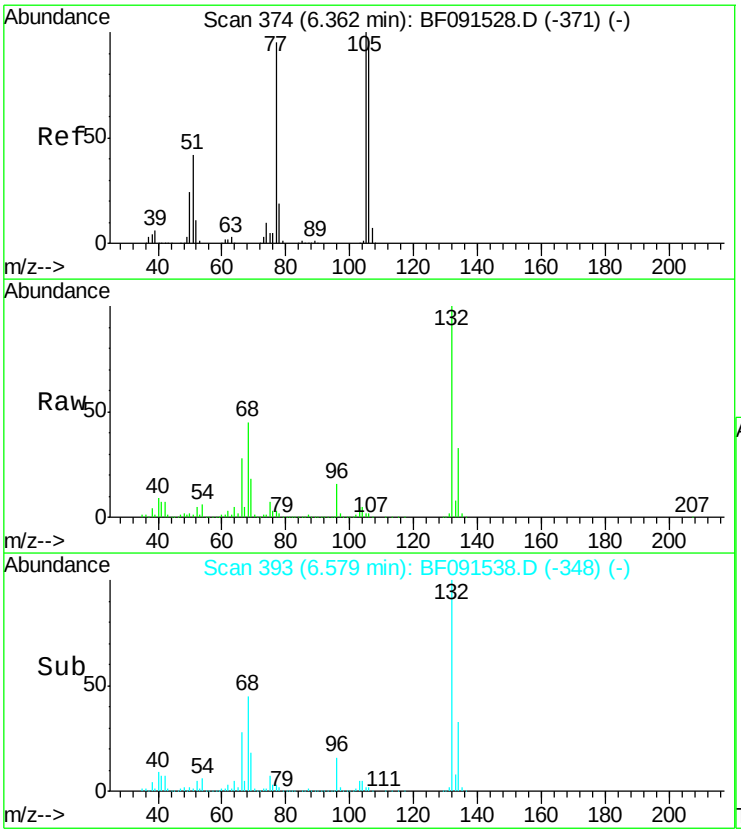

#7
Phenol-d6
Concen: 67.74 ng
RT: 6.44 min Scan# 381
Delta R.T. -0.01 min
Lab File: BF091538.D
Acq: 9 Dec 2016 20:20

**Instrument :**
BNA_F
**ClientSampleId :**
PB95152BL

Tgt Ion: 99 Resp: 1388227

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 21.0 | 20.6 | 31.0 |
| 71 | 36.1 | 29.9 | 44.9 |

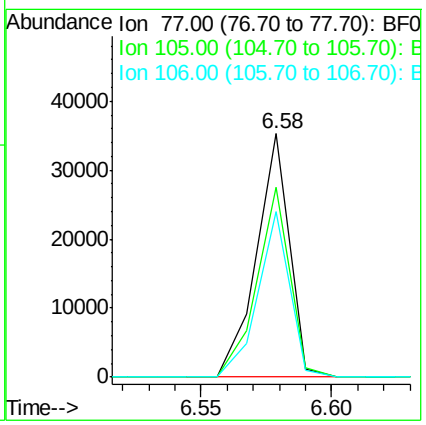


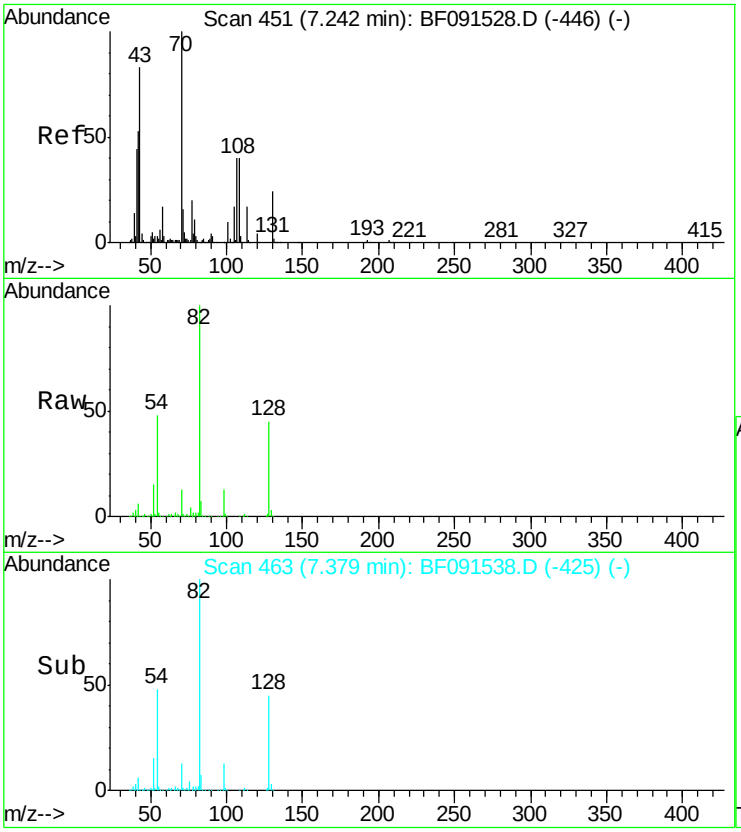




#9
Benzaldehyde
Concen: 2.22 ng
RT: 6.58 min Scan# 393
Delta R.T. 0.22 min
Lab File: BF091538.D
Acq: 9 Dec 2016 20:20

Tgt Ion: 77 Resp: 31373

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 78.1 | 66.4 | 106.4 |
| 106 | 68.0 | 60.9 | 100.9 |



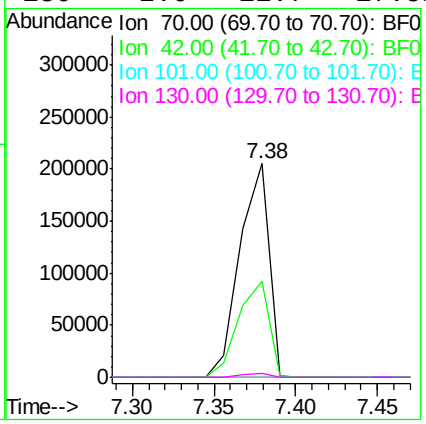


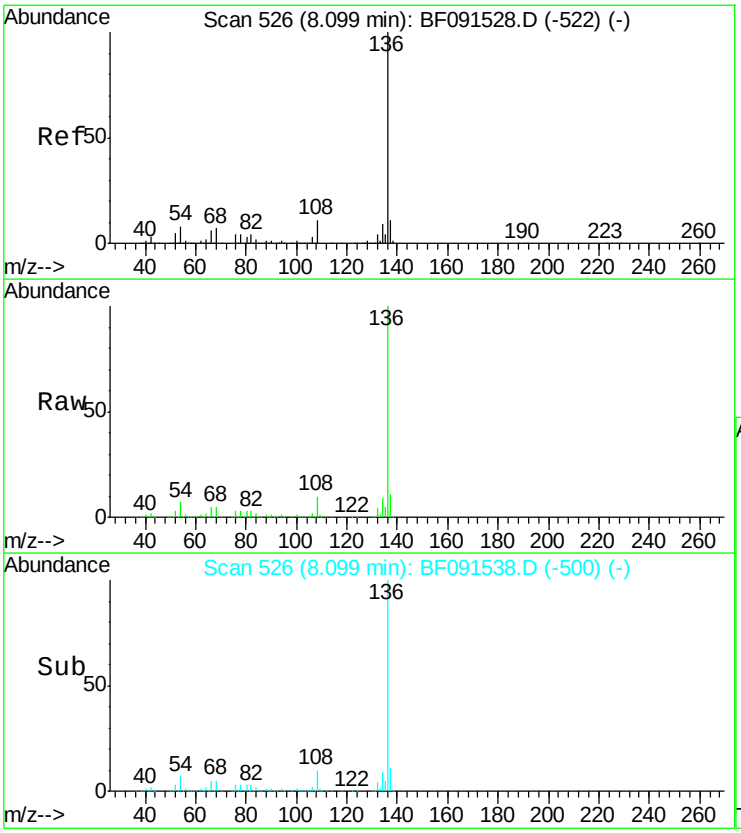

#19
n-Nitroso-di-n-propylamine
Concen: 19.88 ng
RT: 7.38 min Scan# 463
Delta R.T. 0.14 min
Lab File: BF091538.D
Acq: 9 Dec 2016 20:20

**Instrument :**
BNA_F
**ClientSampleId :**
PB95152BL

Tgt Ion: 70 Resp: 254729

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 44.9 | 64.8 | 97.2# |
| 101 | 0.0 | 6.2 | 9.4# |
| 130 | 2.0 | 11.7 | 17.5# |

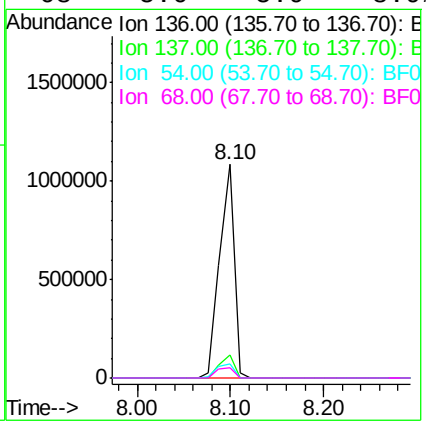


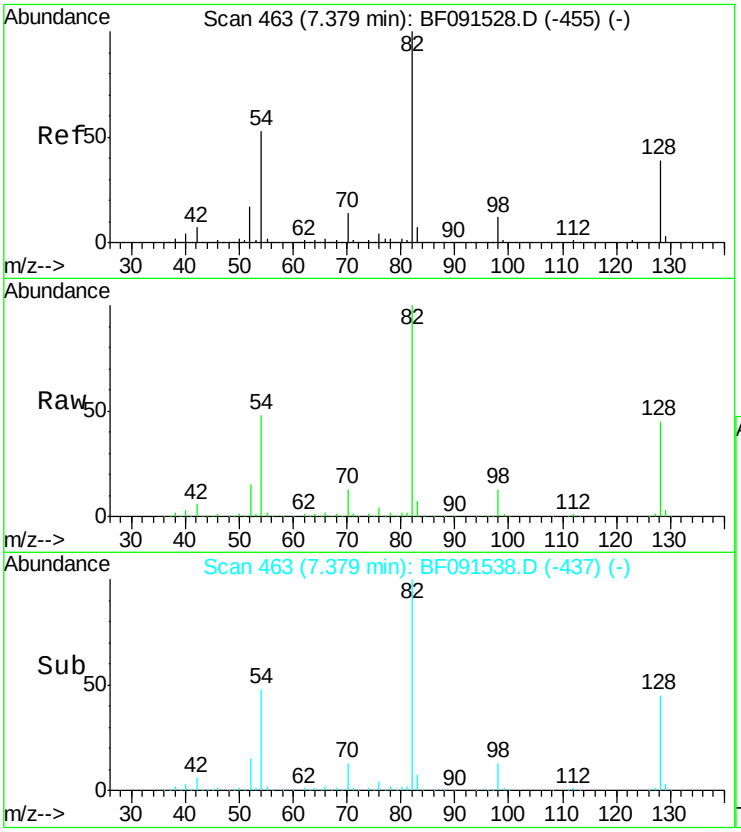




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 526
Delta R.T. 0.00 min
Lab File: BF091538.D
Acq: 9 Dec 2016 20:20

Tgt Ion:136 Resp: 1179336

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.6 | 9.1 | 13.7 |
| 54 | 6.5 | 9.1 | 13.7# |
| 68 | 5.0 | 5.9 | 8.9# |



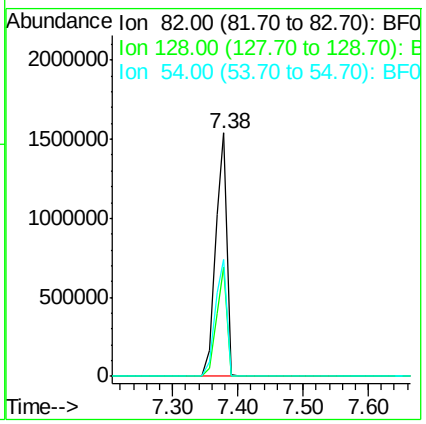


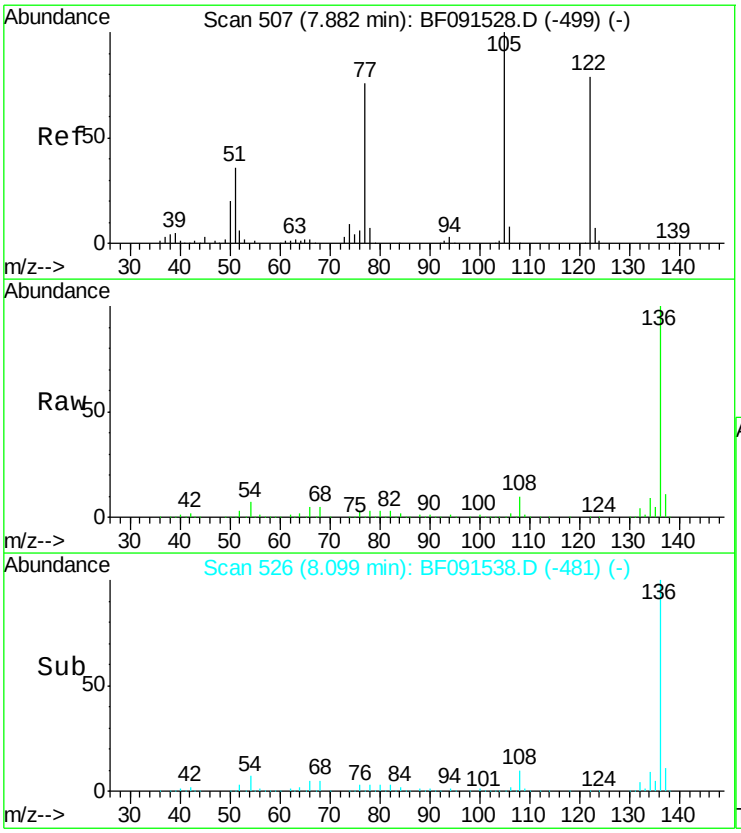

#23
Nitrobenzene-d5
Concen: 89.22 ng
RT: 7.38 min Scan# 463
Delta R.T. 0.00 min
Lab File: BF091538.D
Acq: 9 Dec 2016 20:20

**Instrument :**
BNA_F
**ClientSampleId :**
PB95152BL

Tgt Ion: 82 Resp: 1885292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.6 | 31.8 | 47.6 |
| 54 | 48.3 | 49.1 | 73.7# |

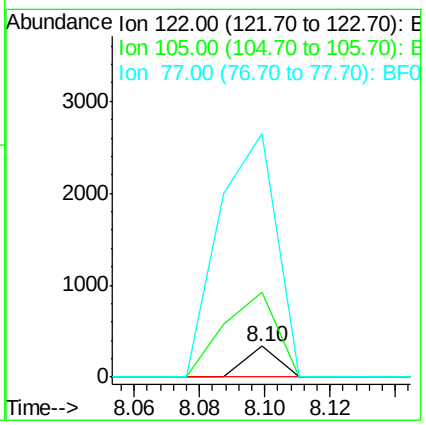


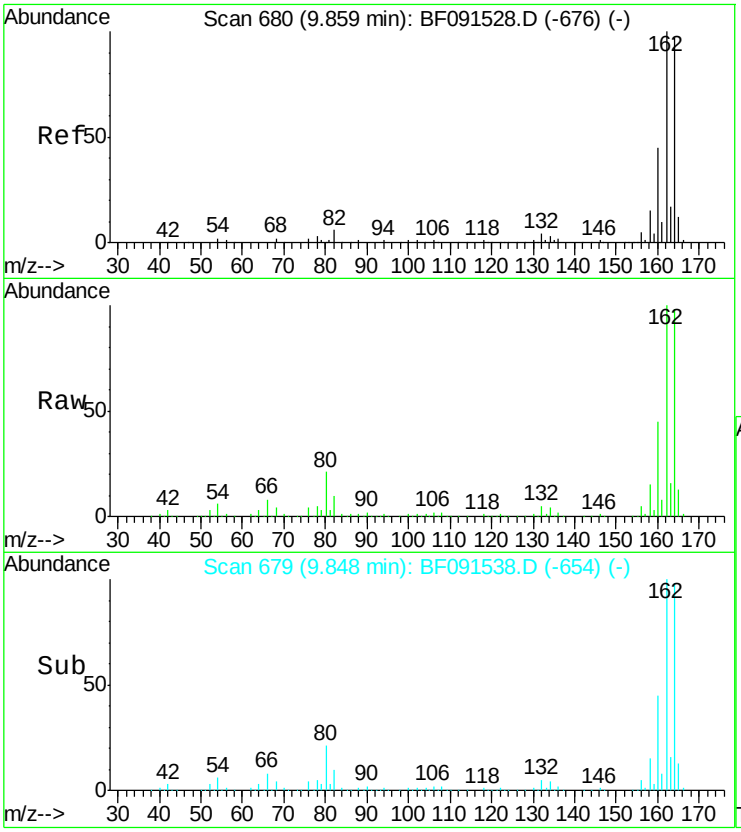




#32
Benzoic acid
Concen: 4.91 ng
RT: 8.10 min Scan# 526
Delta R.T. 0.22 min
Lab File: BF091538.D
Acq: 9 Dec 2016 20:20

Tgt Ion:122 Resp: 228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 276.3 | 113.0 | 153.0# |
| 77 | 795.2 | 82.0 | 122.0# |



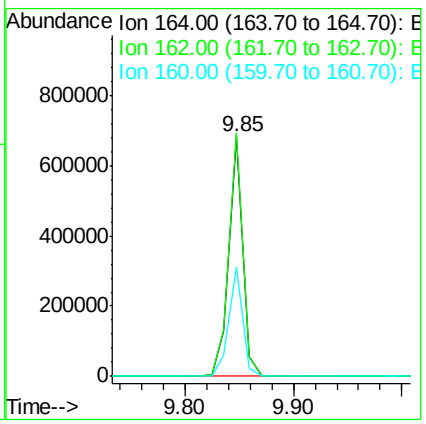


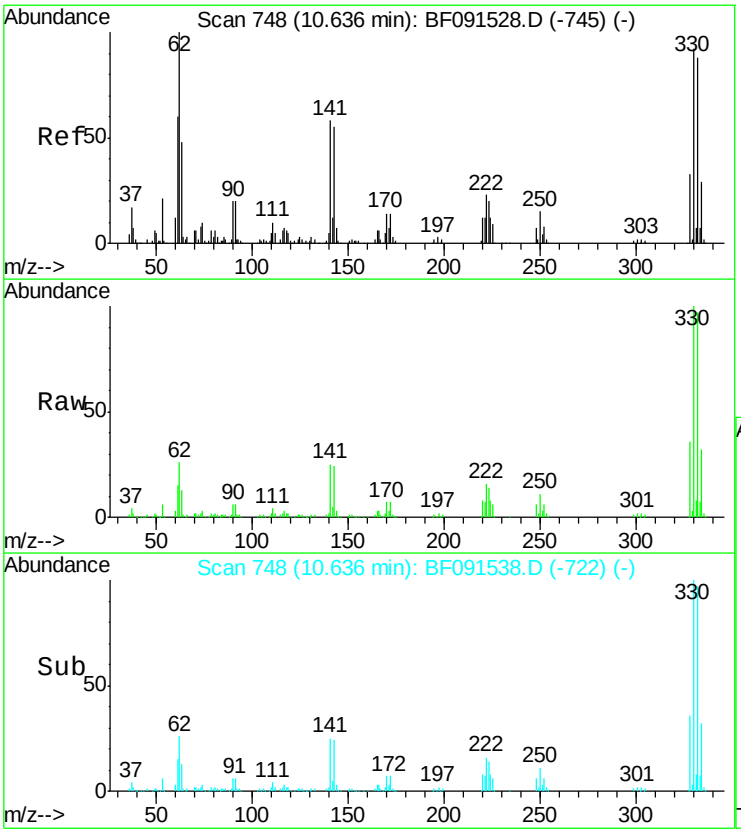

#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.85 min Scan# 679
Delta R.T. -0.01 min
Lab File: BF091538.D
Acq: 9 Dec 2016 20:20

**Instrument :**
BNA_F
**ClientSampleId :**
PB95152BL

Tgt Ion:164 Resp: 601566

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.8 | 82.6 | 124.0 |
| 160 | 45.5 | 36.7 | 55.1 |

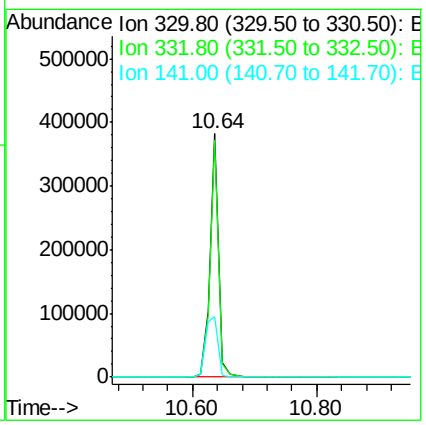


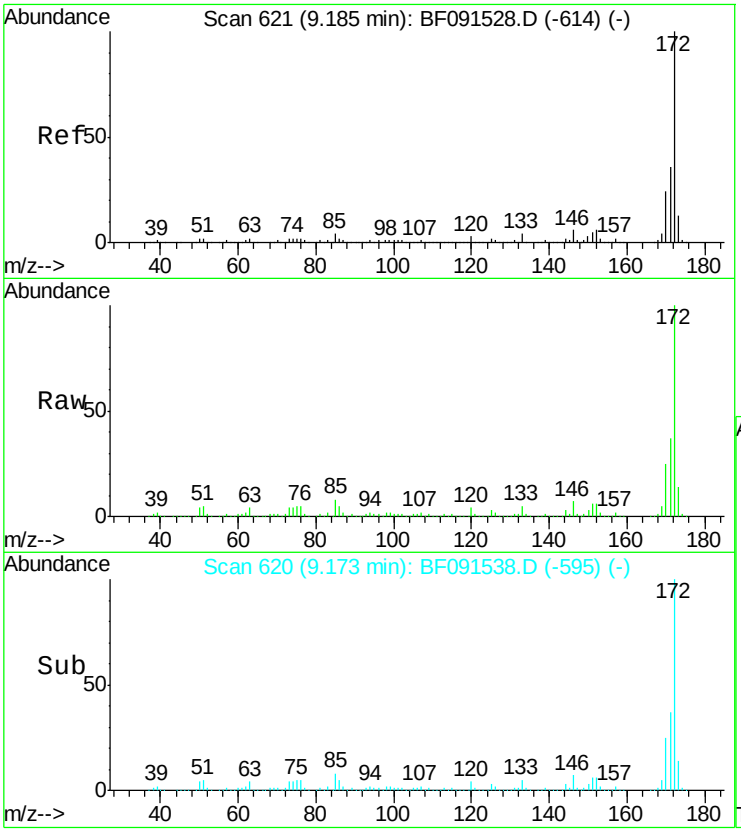




#41
2,4,6-Tribromophenol
Concen: 72.09 ng
RT: 10.64 min Scan# 748
Delta R.T. 0.00 min
Lab File: BF091538.D
Acq: 9 Dec 2016 20:20

Tgt Ion:330 Resp: 360218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.2 | 76.2 | 114.4 |
| 141 | 37.1 | 33.6 | 50.4 |



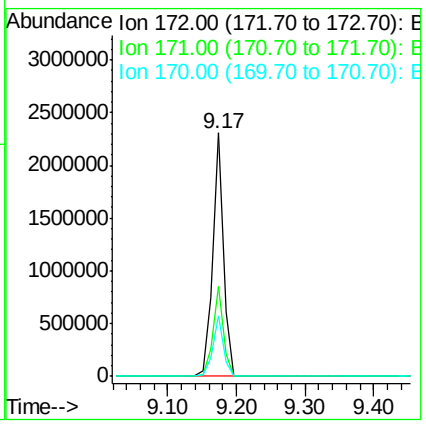


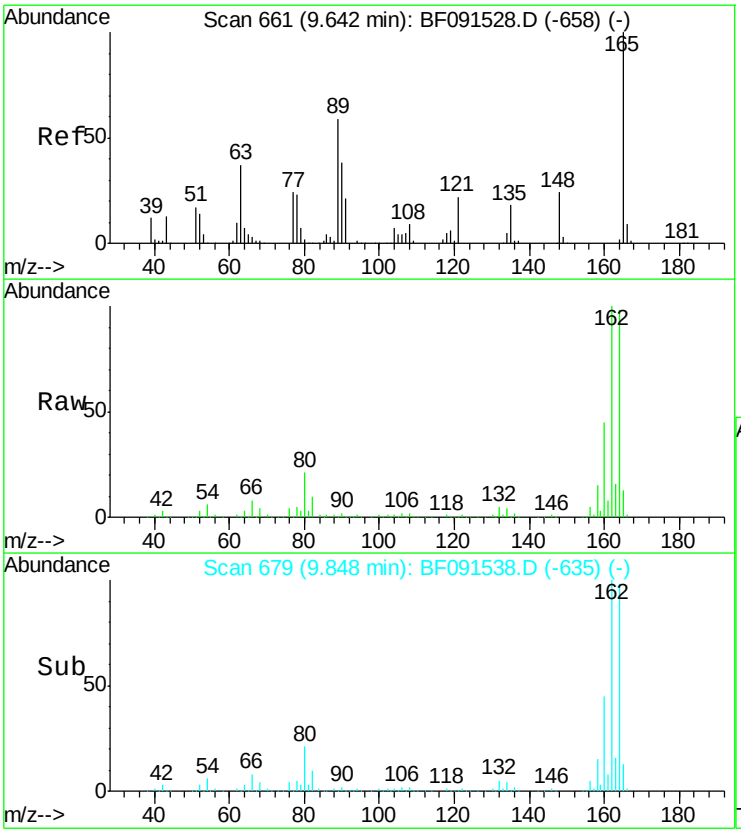

#44
2-Fluorobiphenyl
Concen: 73.82 ng
RT: 9.17 min Scan# 620
Delta R.T. -0.01 min
Lab File: BF091538.D
Acq: 9 Dec 2016 20:20

**Instrument :**
BNA_F
**ClientSampleId :**
PB95152BL

Tgt Ion:172 Resp: 2570128

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.7 | 29.4 | 44.0 |
| 170 | 24.8 | 19.7 | 29.5 |

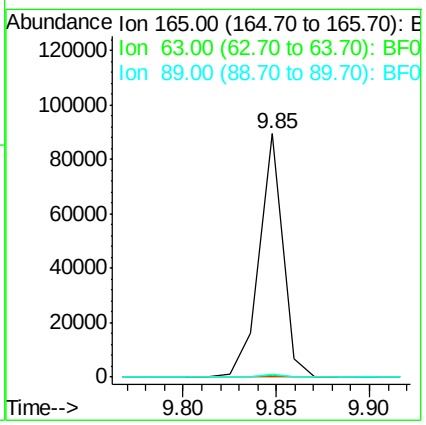


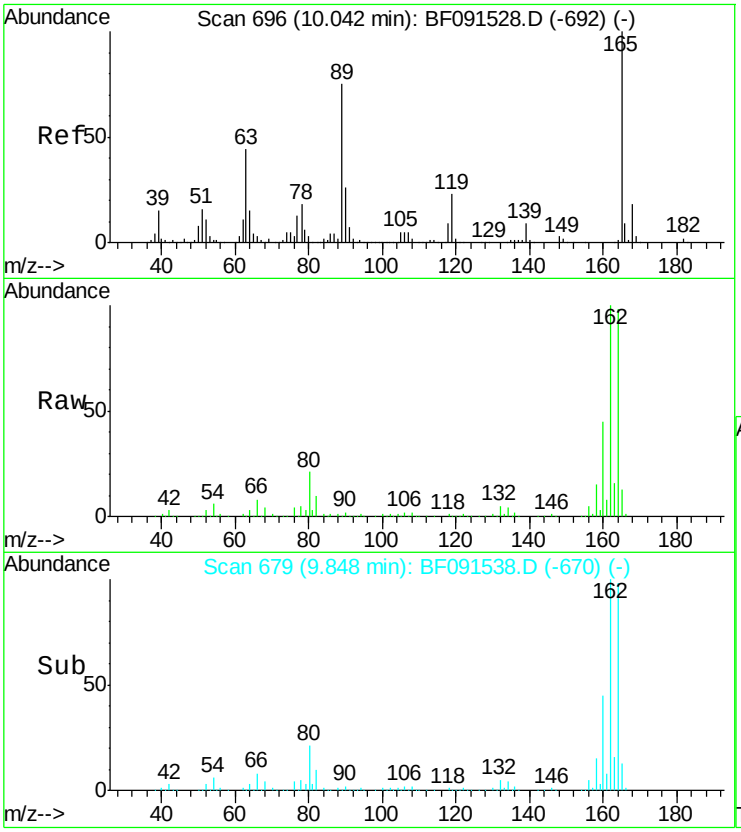




#50
2,6-Dinitrotoluene
Concen: 9.33 ng
RT: 9.85 min Scan# 679
Delta R.T. 0.21 min
Lab File: BF091538.D
Acq: 9 Dec 2016 20:20

Tgt Ion:165 Resp: 78024

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 0.7 | 59.4 | 89.0# |
| 89 | 1.2 | 50.8 | 76.2# |



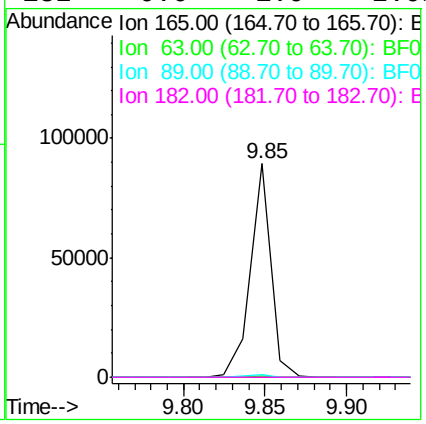


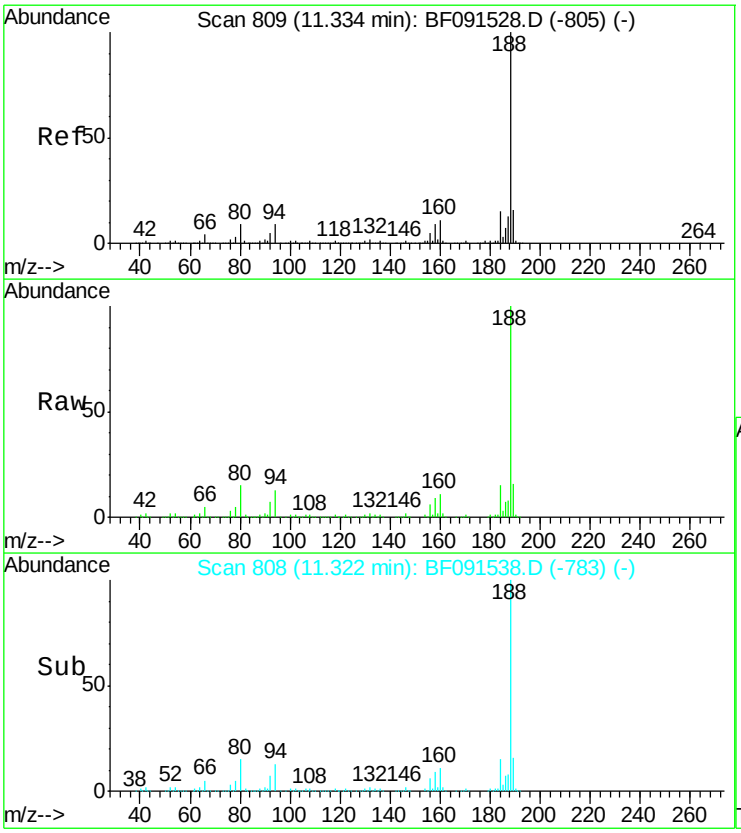

#56
2,4-Dinitrotoluene
Concen: 7.45 ng
RT: 9.85 min Scan# 679
Delta R.T. -0.19 min
Lab File: BF091538.D
Acq: 9 Dec 2016 20:20

**Instrument :**
BNA_F
**ClientSampleId :**
PB95152BL

Tgt Ion:165 Resp: 78028

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 0.7 | 29.0 | 43.4# |
| 89 | 1.2 | 43.1 | 64.7# |
| 182 | 0.0 | 1.9 | 2.9# |

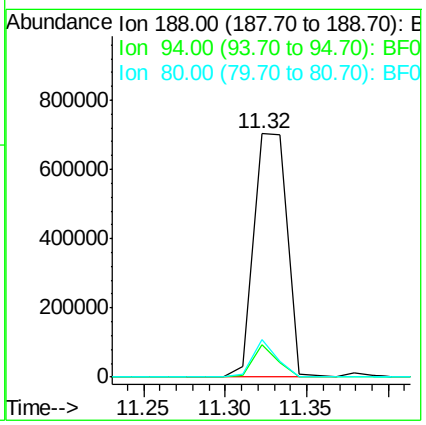


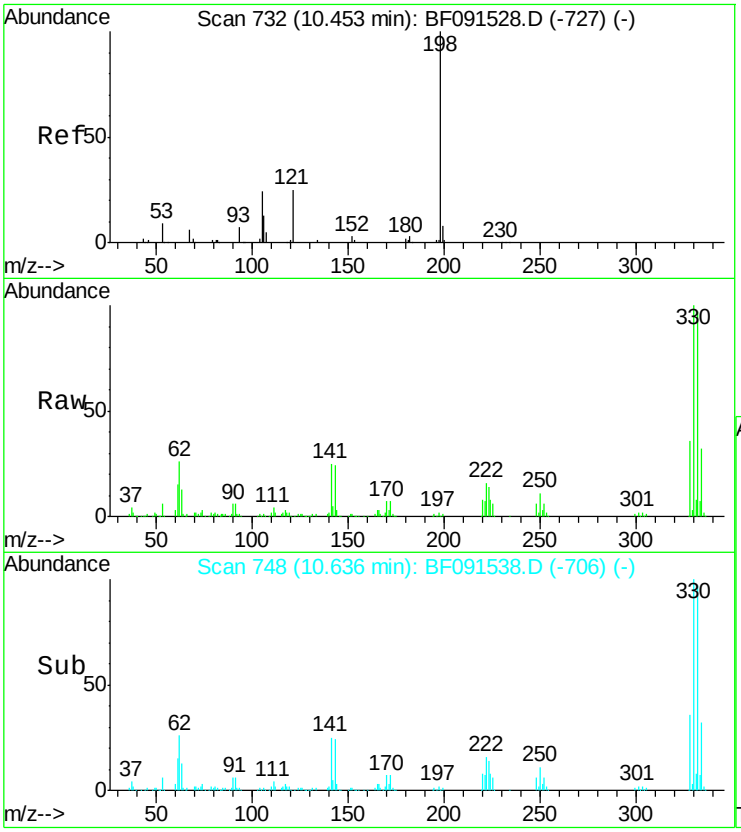




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF091538.D
Acq: 9 Dec 2016 20:20

Tgt Ion:188 Resp: 995211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 13.1 | 9.2 | 13.8 |
| 80 | 15.3 | 10.5 | 15.7 |



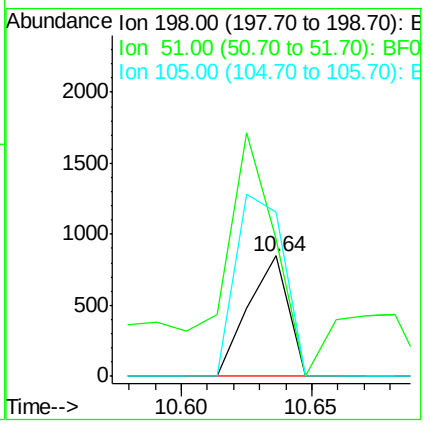


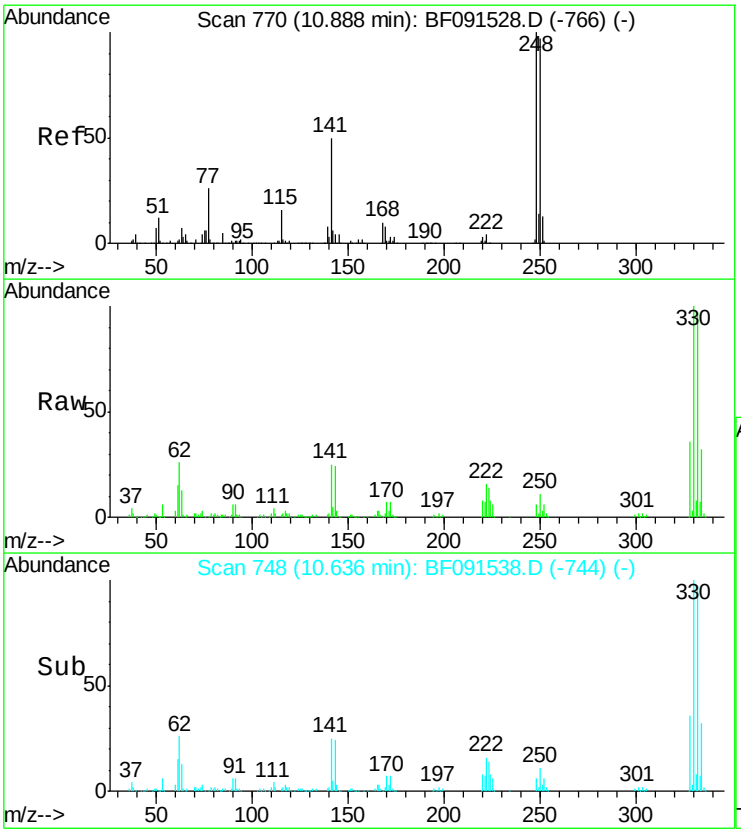

#64
4,6-Dinitro-2-methylphenol
Concen: 3.09 ng
RT: 10.64 min Scan# 748
Delta R.T. 0.18 min
Lab File: BF091538.D
Acq: 9 Dec 2016 20:20

**Instrument :**
BNA_F
**ClientSampleId :**
PB95152BL

Tgt Ion:198 Resp: 913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 114.5 | 77.1 | 117.1 |
| 105 | 136.7 | 44.8 | 84.8# |

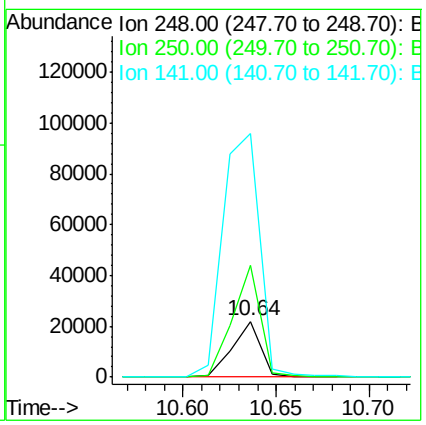


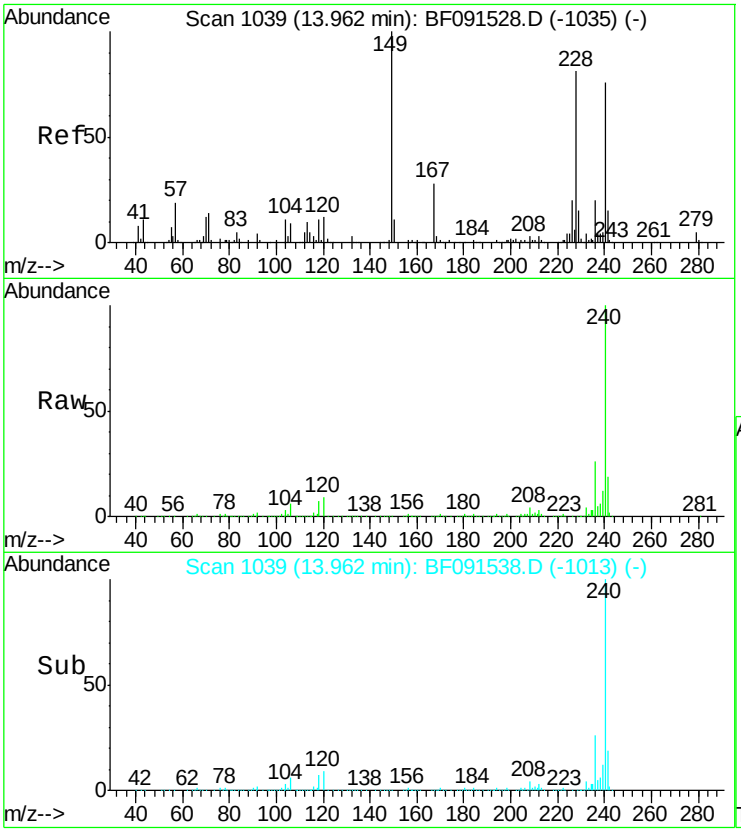




#66
4-Bromophenyl-phenylether
Concen: 2.30 ng
RT: 10.64 min Scan# 748
Delta R.T. -0.25 min
Lab File: BF091538.D
Acq: 9 Dec 2016 20:20

Tgt Ion:248 Resp: 23518

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 198.8 | 78.2 | 117.4# |
| 141 | 435.6 | 71.9 | 107.9# |



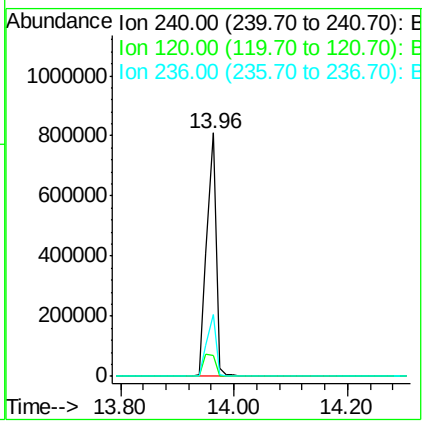


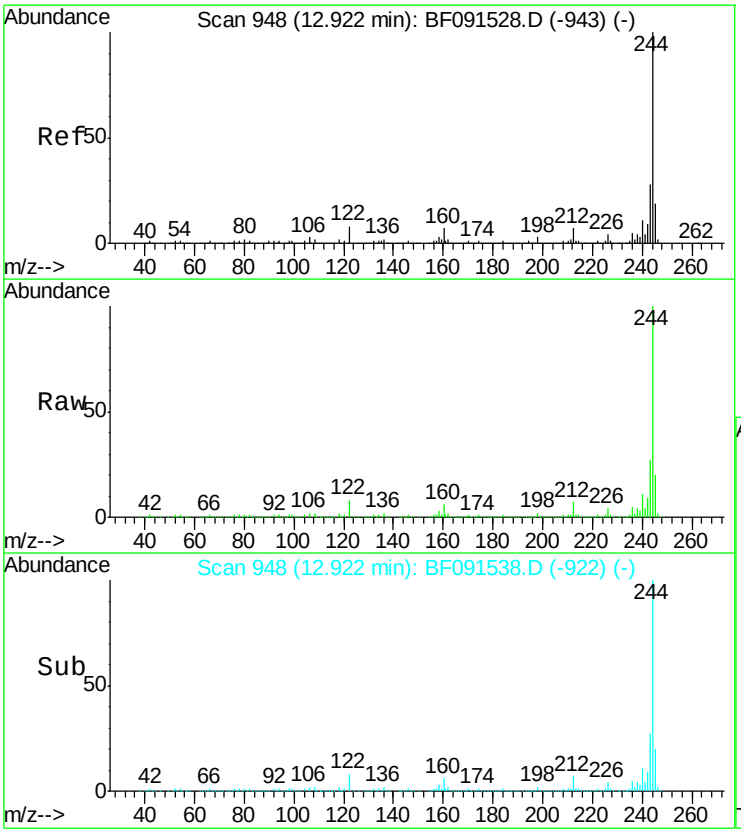

#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.96 min Scan# 1039
Delta R.T. 0.00 min
Lab File: BF091538.D
Acq: 9 Dec 2016 20:20

**Instrument :**
BNA_F
**ClientSampleId :**
PB95152BL

Tgt Ion:240 Resp: 881546

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.5 | 12.1 | 18.1# |
| 236 | 25.6 | 21.0 | 31.6 |

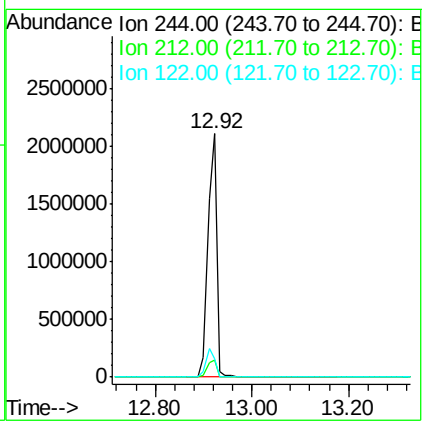


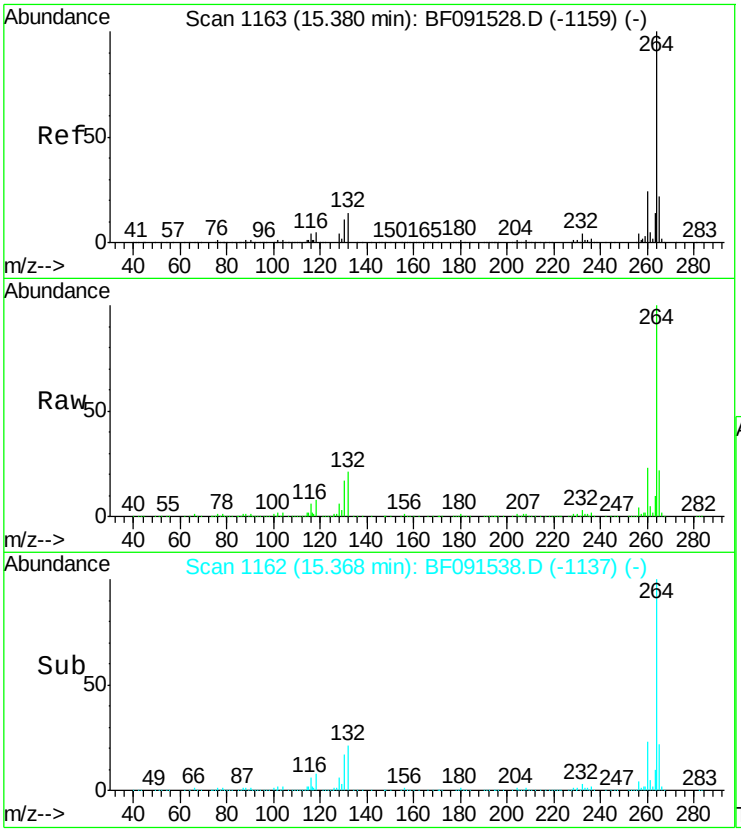




#78
Terphenyl-d14
Concen: 69.78 ng
RT: 12.92 min Scan# 948
Delta R.T. 0.00 min
Lab File: BF091538.D
Acq: 9 Dec 2016 20:20

Tgt Ion:244 Resp: 2711063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.2 | 6.5 | 9.7 |
| 122 | 7.7 | 9.5 | 14.3# |






#86
Perylene-d12
Concen: 20.00 ng
RT: 15.37 min Scan# 1162
Delta R.T. -0.01 min
Lab File: BF091538.D
Acq: 9 Dec 2016 20:20

**Instrument :**
BNA_F
**ClientSampleId :**
PB95152BL

Tgt Ion:264 Resp: 718798

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.4 | 18.8 | 28.2 |
| 265 | 21.6 | 17.0 | 25.6 |