Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122016\
Data File : BF091823.D
Acq On : 20 Dec 2016 16:40
Operator : UM/SJ
Sample : H6165-02
Misc :
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-4-9-10

Quant Time: Dec 20 23:46:43 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Dec 17 22:53:54 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.76 | 152 | 191106 | 20.00 | ng | -0.01 |
| 21) Naphthalene-d8 | 8.04 | 136 | 691814 | 20.00 | ng | -0.02 |
| 38) Acenaphthene-d10 | 9.80 | 164 | 346062 | 20.00 | ng | -0.01 |
| 63) Phenanthrene-d10 | 11.28 | 188 | 503597 | 20.00 | ng | -0.01 |
| 75) Chrysene-d12 | 13.92 | 240 | 445792 | 20.00 | ng | -0.01 |
| 86) Perylene-d12 | 15.32 | 264 | 408762 | 20.00 | ng | -0.01 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.38 | 112 | 1951458 | 171.08 | ng | 0.01 |
| 7) Phenol-d6 | 6.42 | 99 | 1971511 | 141.72 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.32 | 82 | 1125937 | 93.86 | ng | -0.02 |
| 41) 2,4,6-Tribromophenol | 10.59 | 330 | 328877 | 112.07 | ng | -0.01 |
| 44) 2-Fluorobiphenyl | 9.13 | 172 | 1793922 | 104.14 | ng | -0.01 |
| 78) Terphenyl-d14 | 12.86 | 244 | 1229945 | 69.66 | ng | -0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 9) Benzaldehyde | 6.30 | 77 | 1004 | Below Cal | # | 79 |
| 10) Phenol | 6.43 | 94 | 71568 | 4.56 | ng | # 62 |
| 19) n-Nitroso-di-n-propylamine | 7.32 | 70 | 146812 | 15.87 | ng | # 76 |
| 25) Isophorone | 7.32 | 82 | 1031572 | 45.07 | ng | # 65 |
| 49) Dimethylphthalate | 9.52 | 163 | 276355 | 12.23 | ng | # 99 |
| 56) 2,4-Dinitrotoluene | 9.80 | 165 | 45276 | 7.31 | ng | # 19 |
| 66) 4-Bromophenyl-phenylether | 10.59 | 248 | 21371 | 4.05 | ng | # 1 |

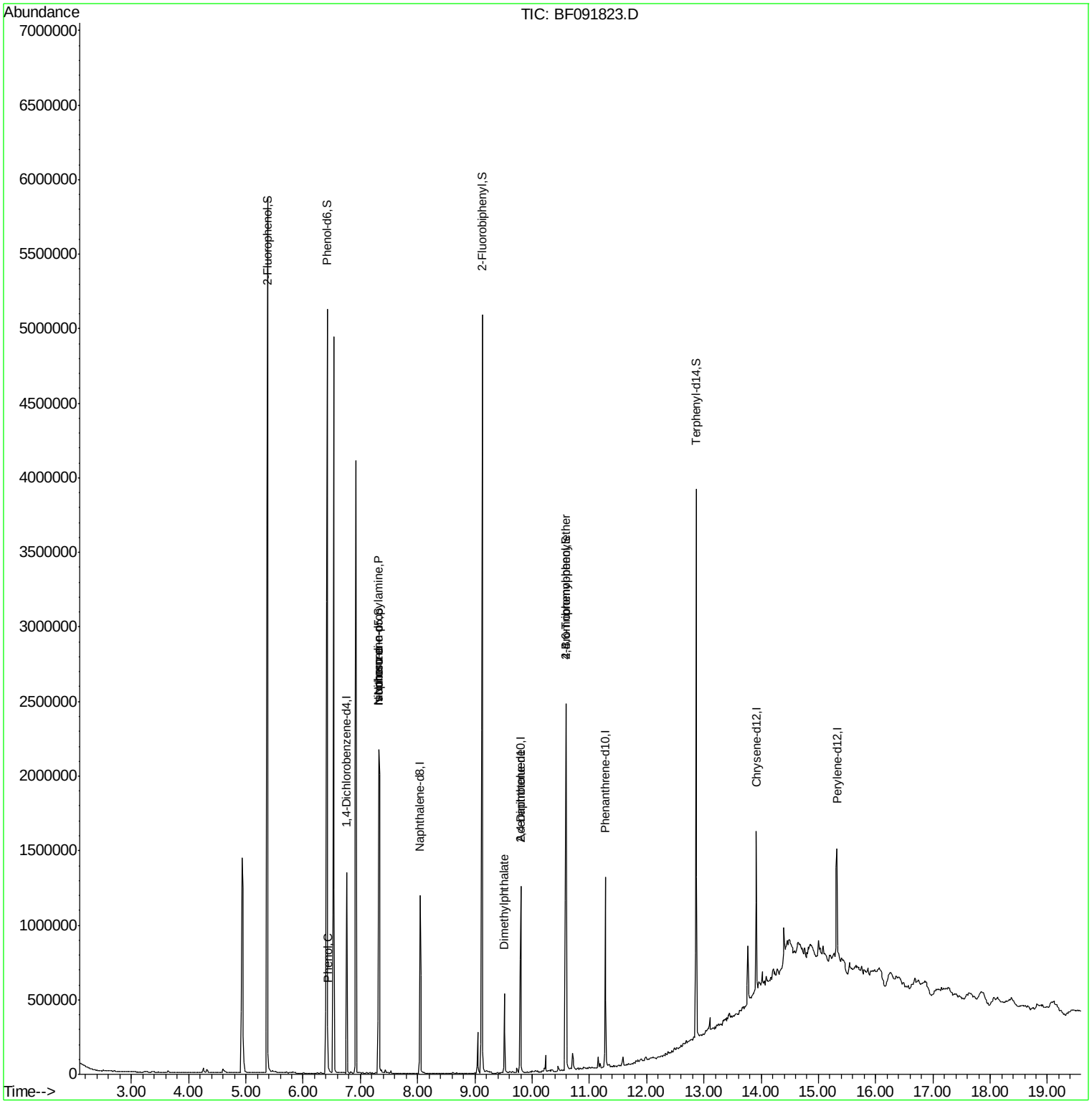
(#) = qualifier out of range (m) = manual integration (+) = signals summed

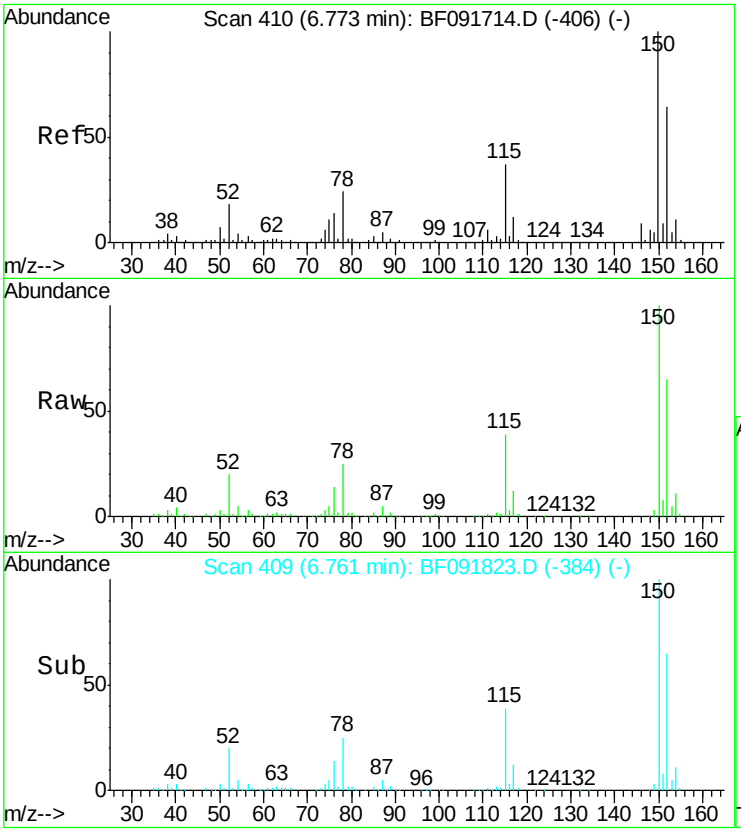
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122016\
Data File : BF091823.D
Acq On : 20 Dec 2016 16:40
Operator : UM/SJ
Sample : H6165-02
Misc :
ALS Vial : 38 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SB-4-9-10

Quant Time: Dec 20 23:46:43 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Dec 17 22:53:54 2016
Response via : Initial Calibration



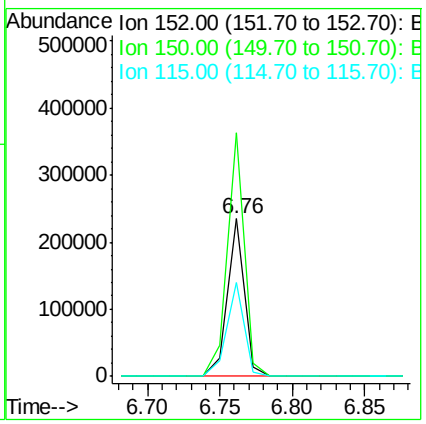


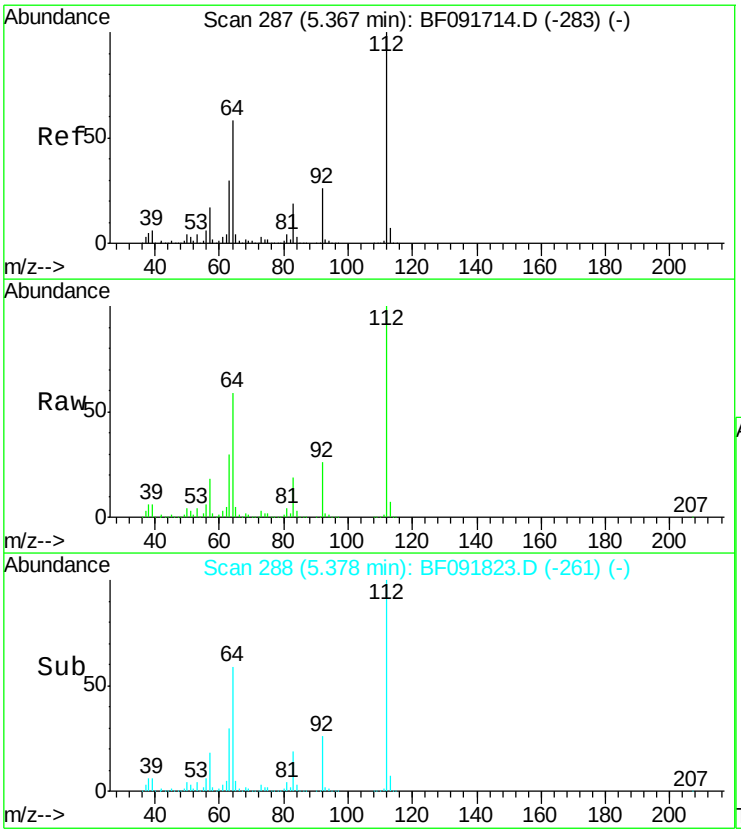

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.76 min Scan# 409
Delta R.T. -0.01 min
Lab File: BF091823.D
Acq: 20 Dec 2016 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
SB-4-9-10

Tgt Ion:152 Resp: 191106

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 154.5 | 124.9 | 187.3 |
| 115 | 59.6 | 46.0 | 69.0 |

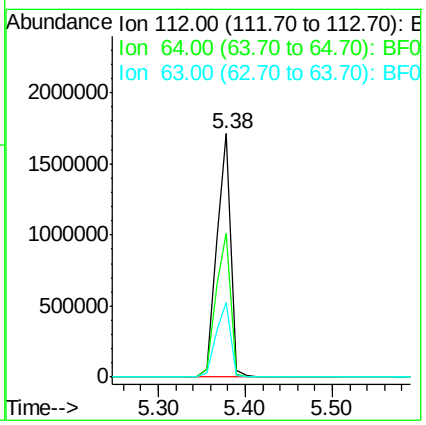


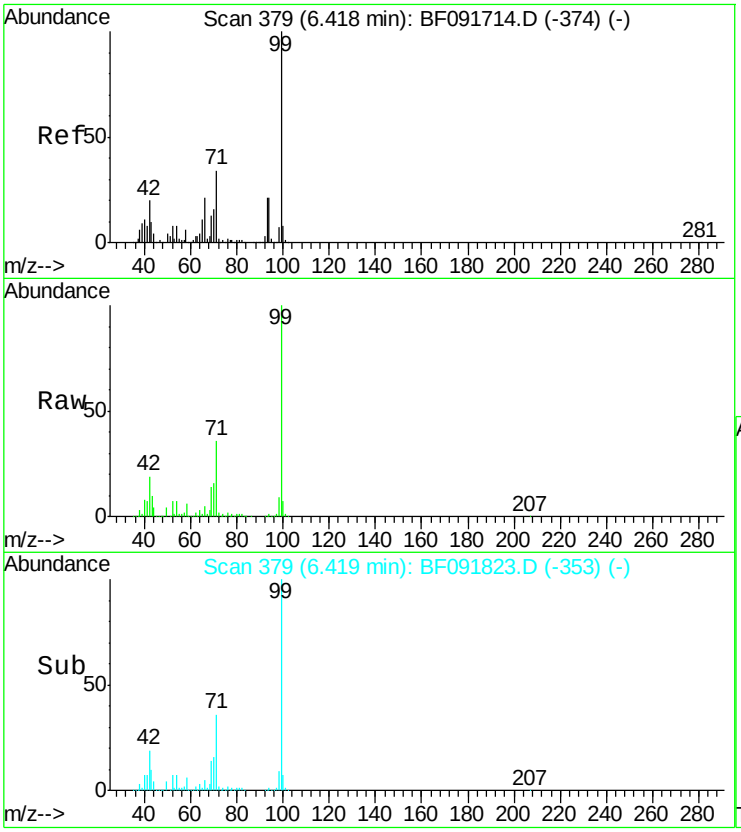




#5
2-Fluorophenol
Concen: 171.08 ng
RT: 5.38 min Scan# 288
Delta R.T. 0.01 min
Lab File: BF091823.D
Acq: 20 Dec 2016 16:40

Tgt Ion:112 Resp: 1951458

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 58.9 | 46.1 | 69.1 |
| 63 | 30.4 | 23.8 | 35.6 |



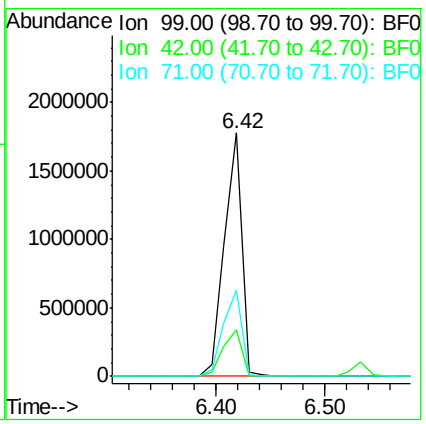


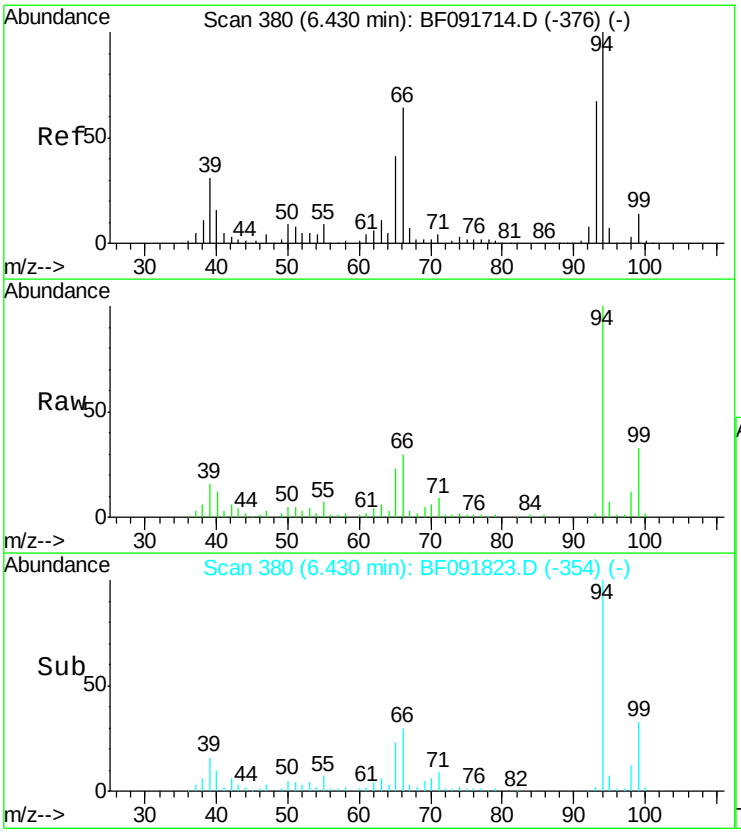

#7
Phenol-d6
Concen: 141.72 ng
RT: 6.42 min Scan# 379
Delta R.T. 0.00 min
Lab File: BF091823.D
Acq: 20 Dec 2016 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
SB-4-9-10

Tgt Ion: 99 Resp: 1971511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.9 | 15.6 | 23.4 |
| 71 | 35.6 | 27.5 | 41.3 |

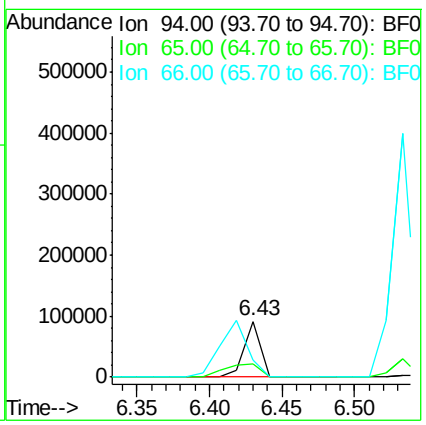


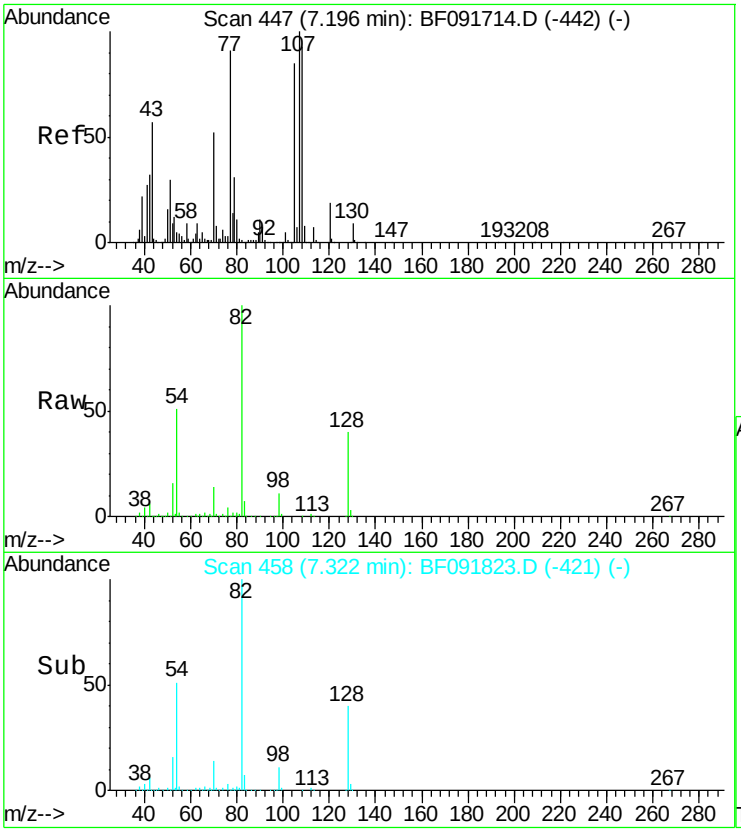




#10
Phenol
Concen: 4.56 ng
RT: 6.43 min Scan# 380
Delta R.T. 0.00 min
Lab File: BF091823.D
Acq: 20 Dec 2016 16:40

Tgt Ion: 94 Resp: 71568

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 23.3 | 21.4 | 61.4 |
| 66 | 30.3 | 44.0 | 84.0# |



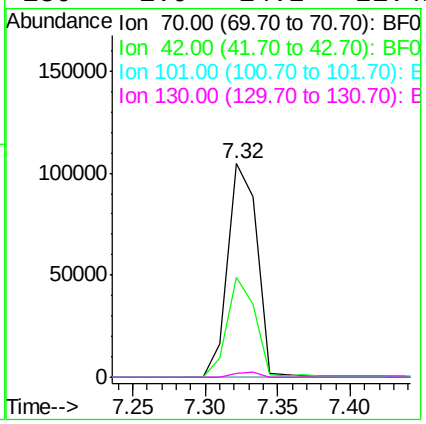


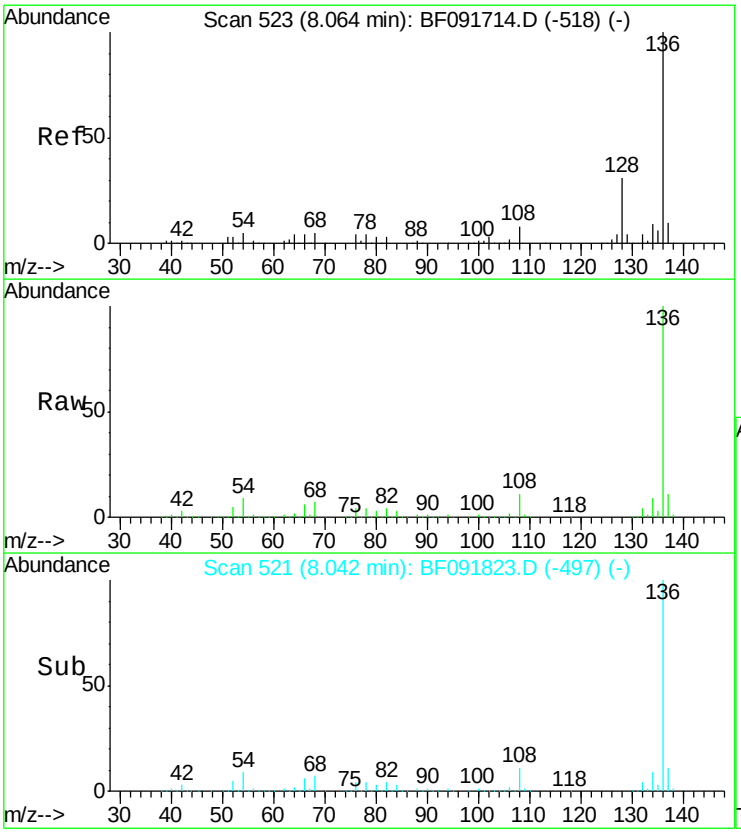

#19
n-Nitroso-di-n-propylamine
Concen: 15.87 ng
RT: 7.32 min Scan# 458
Delta R.T. 0.13 min
Lab File: BF091823.D
Acq: 20 Dec 2016 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
SB-4-9-10

Tgt Ion: 70 Resp: 146812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 46.6 | 49.4 | 74.0# |
| 101 | 0.0 | 7.4 | 11.2# |
| 130 | 1.9 | 14.2 | 21.4# |

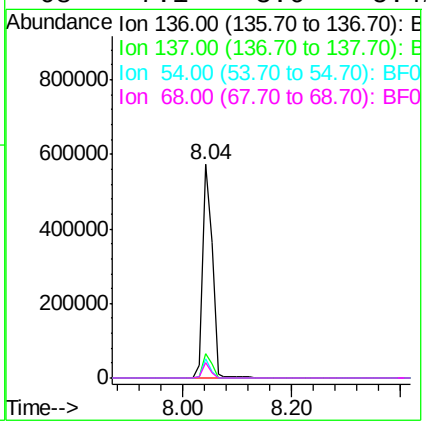


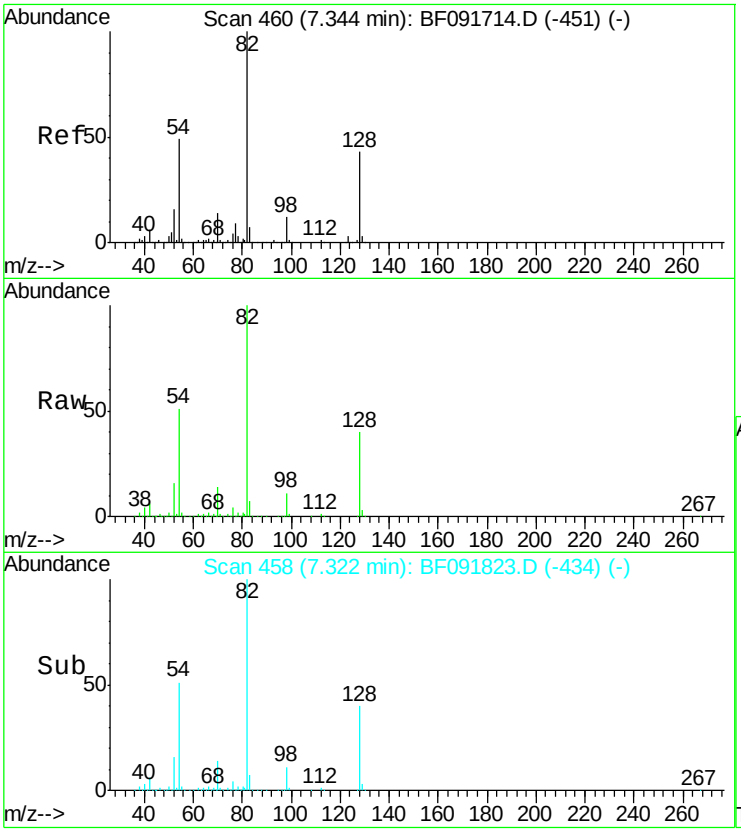




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.04 min Scan# 521
Delta R.T. -0.02 min
Lab File: BF091823.D
Acq: 20 Dec 2016 16:40

Tgt Ion:136 Resp: 691814

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.2 | 8.4 | 12.6 |
| 54 | 9.2 | 4.5 | 6.7# |
| 68 | 7.1 | 3.6 | 5.4# |



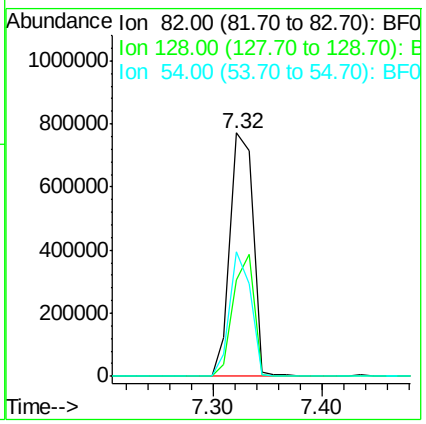


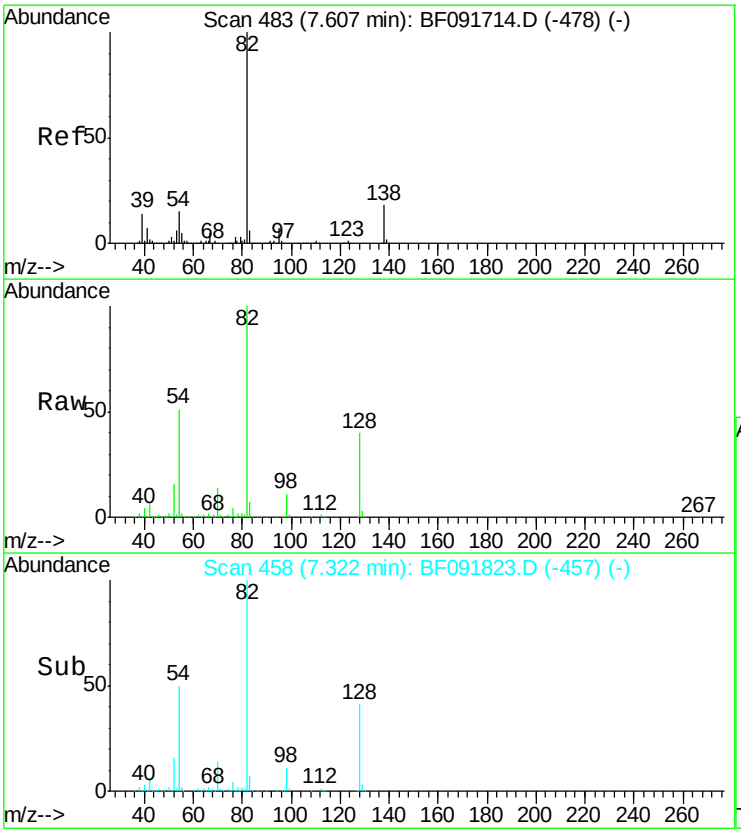

#23
Nitrobenzene-d5
Concen: 93.86 ng
RT: 7.32 min Scan# 458
Delta R.T. -0.02 min
Lab File: BF091823.D
Acq: 20 Dec 2016 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
SB-4-9-10

Tgt Ion: 82 Resp: 1125937

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 39.6 | 34.6 | 52.0 |
| 54 | 51.4 | 39.5 | 59.3 |

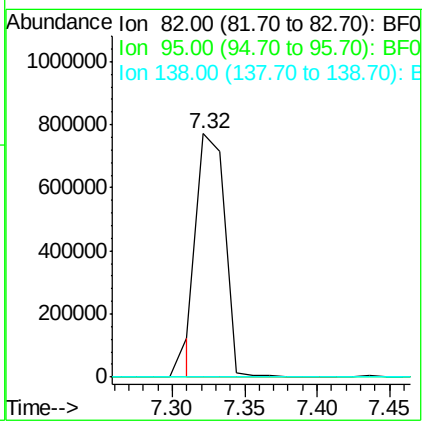


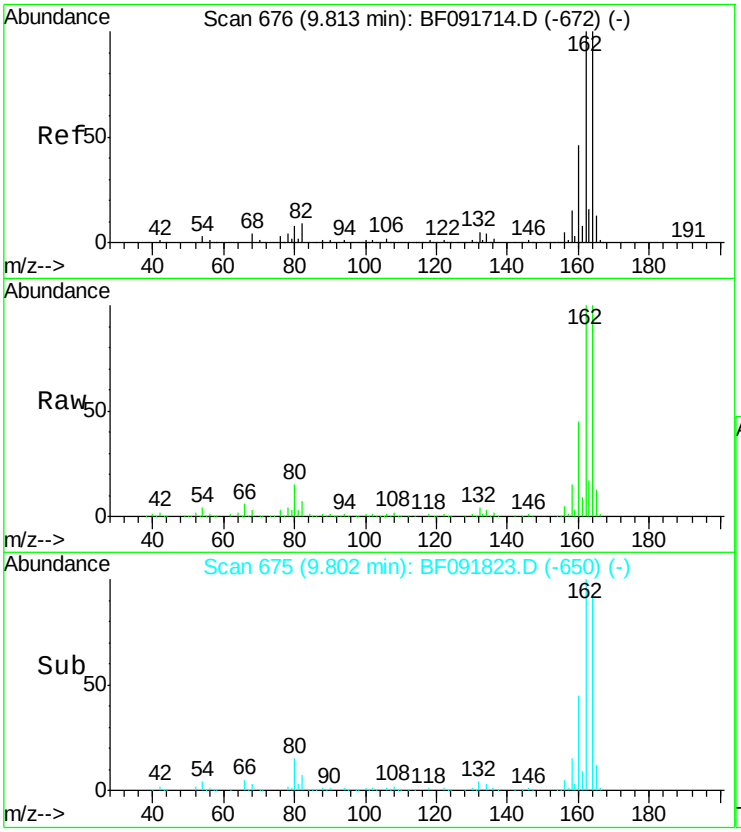




#25
Isophorone
Concen: 45.07 ng
RT: 7.32 min Scan# 458
Delta R.T. -0.29 min
Lab File: BF091823.D
Acq: 20 Dec 2016 16:40

Tgt Ion: 82 Resp: 1031572

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 0.0 | 5.6 | 8.4# |
| 138 | 0.0 | 14.6 | 22.0# |



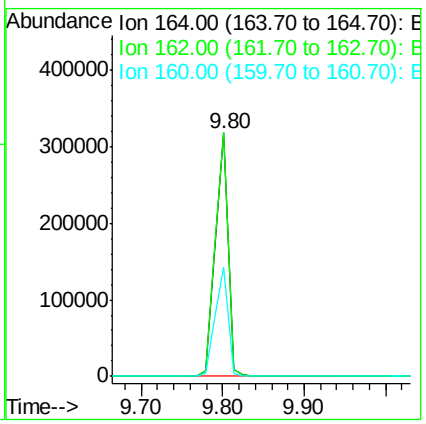


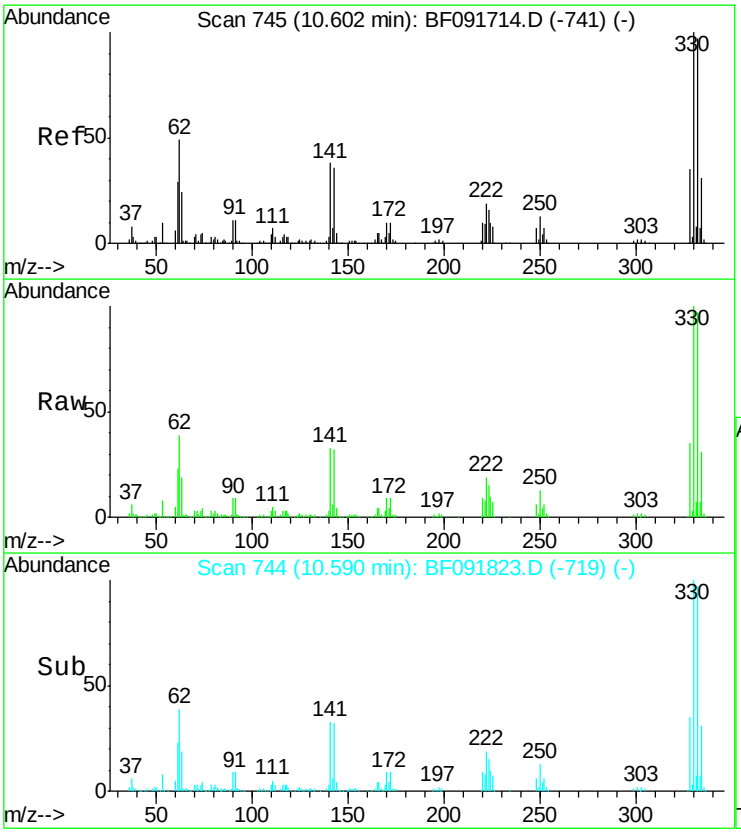

#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.80 min Scan# 675
Delta R.T. -0.01 min
Lab File: BF091823.D
Acq: 20 Dec 2016 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
SB-4-9-10

Tgt Ion:164 Resp: 346062

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.0 | 80.2 | 120.2 |
| 160 | 44.9 | 36.9 | 55.3 |

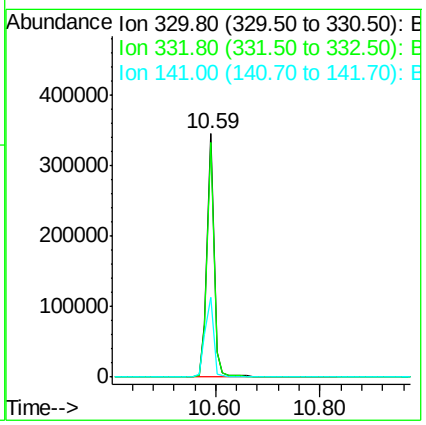


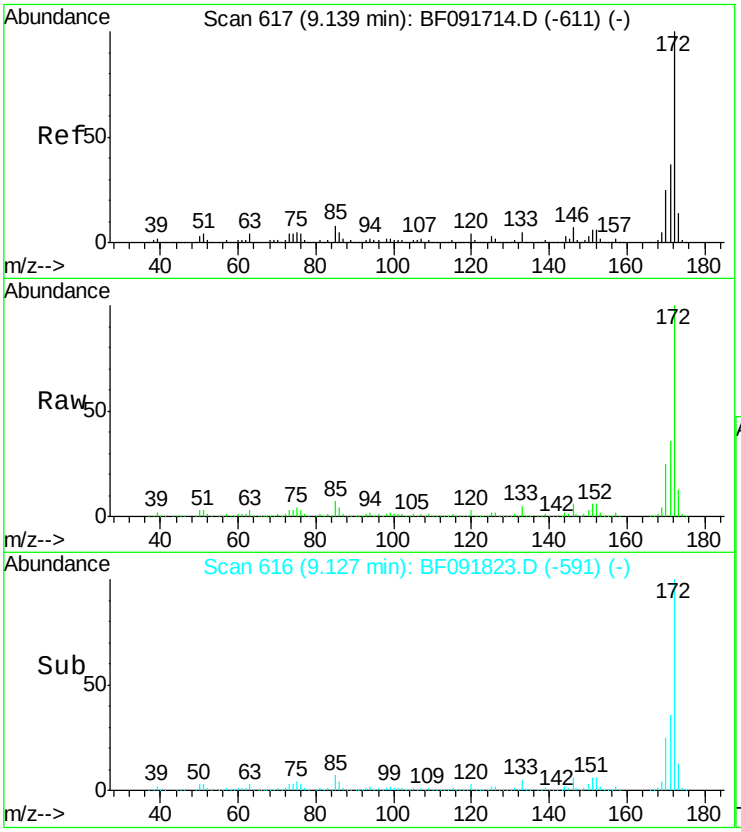




#41
2,4,6-Tribromophenol
Concen: 112.07 ng
RT: 10.59 min Scan# 744
Delta R.T. -0.01 min
Lab File: BF091823.D
Acq: 20 Dec 2016 16:40

Tgt Ion:330 Resp: 328877

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.7 | 77.4 | 116.2 |
| 141 | 38.8 | 34.1 | 51.1 |



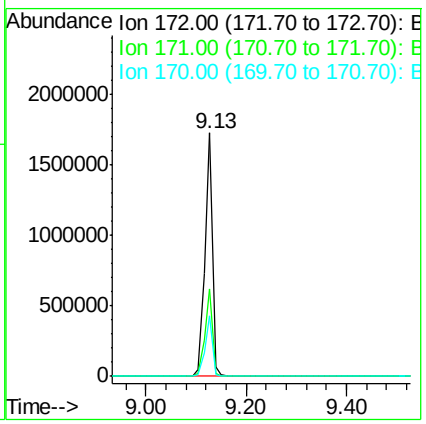


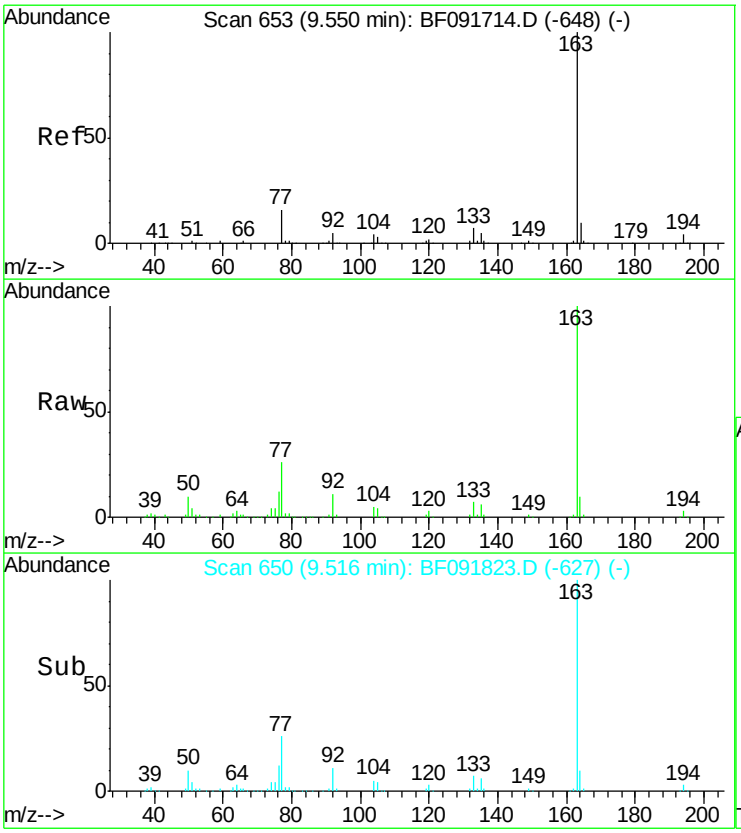

#44
2-Fluorobiphenyl
Concen: 104.14 ng
RT: 9.13 min Scan# 616
Delta R.T. -0.01 min
Lab File: BF091823.D
Acq: 20 Dec 2016 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
SB-4-9-10

Tgt Ion:172 Resp: 1793922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.0 | 29.4 | 44.0 |
| 170 | 24.8 | 20.2 | 30.4 |

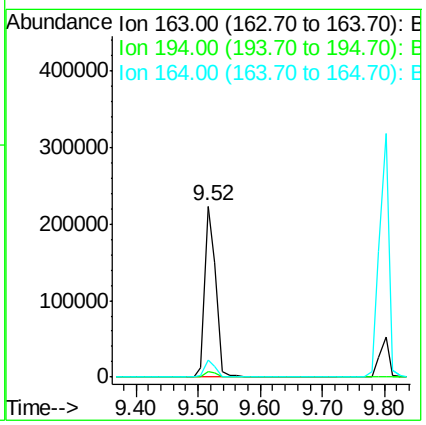


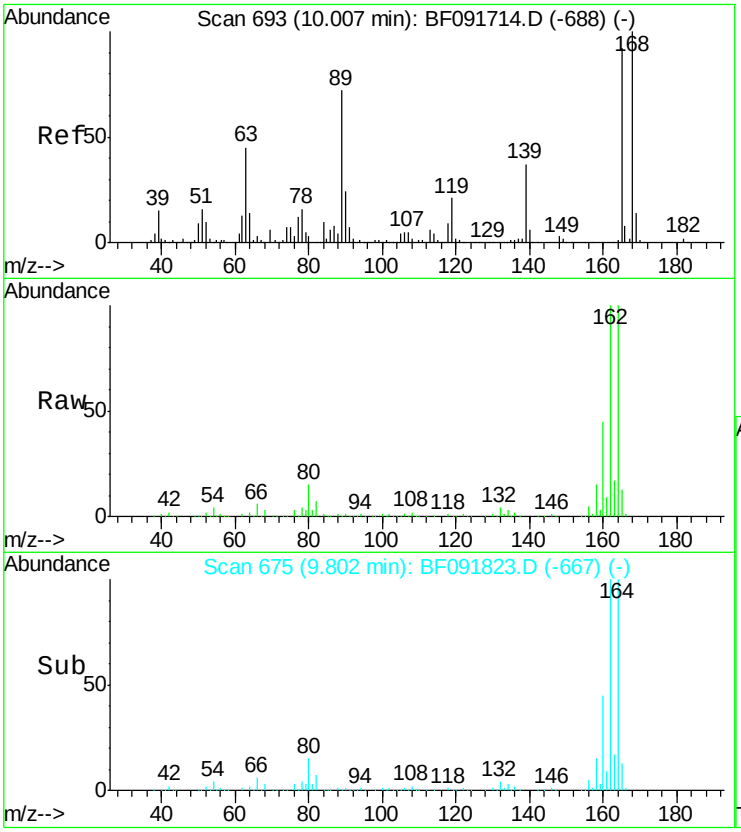




#49
Dimethylphthalate
Concen: 12.23 ng
RT: 9.52 min Scan# 650
Delta R.T. -0.03 min
Lab File: BF091823.D
Acq: 20 Dec 2016 16:40

Tgt Ion:163 Resp: 276355

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 2.9 | 3.0 | 4.4# |
| 164 | 10.0 | 8.0 | 12.0 |



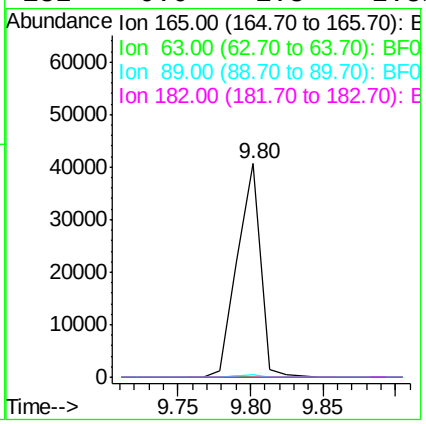


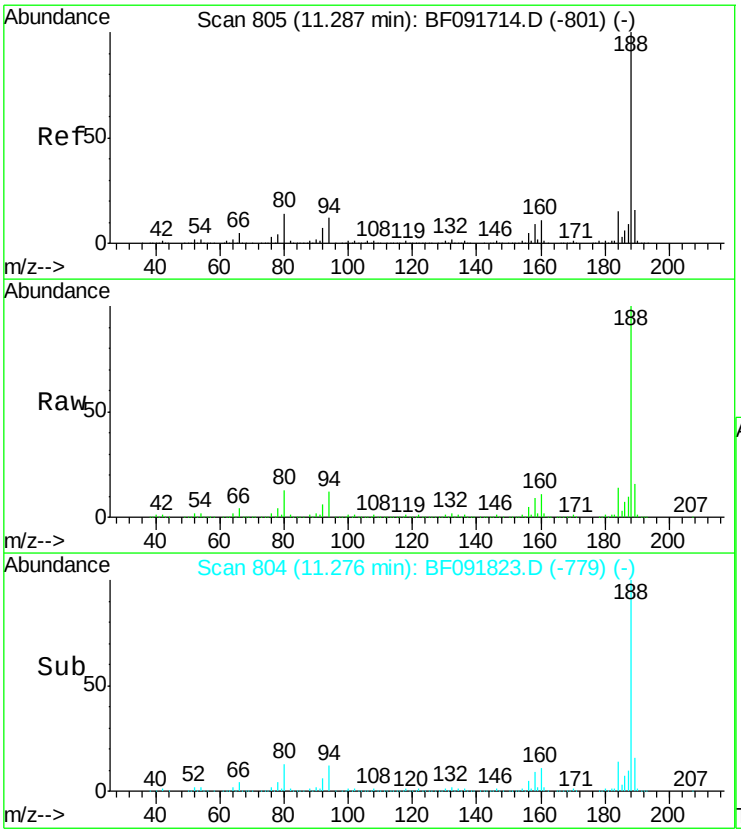

#56
2,4-Dinitrotoluene
Concen: 7.31 ng
RT: 9.80 min Scan# 675
Delta R.T. -0.21 min
Lab File: BF091823.D
Acq: 20 Dec 2016 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
SB-4-9-10

Tgt Ion:165 Resp: 45276

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

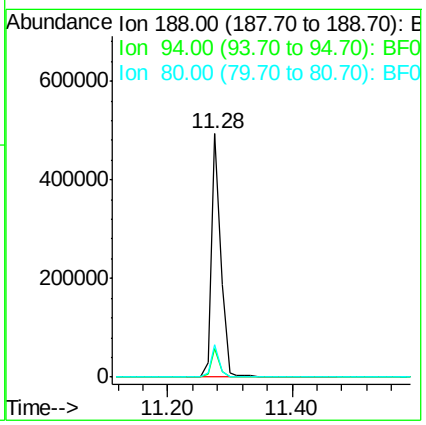


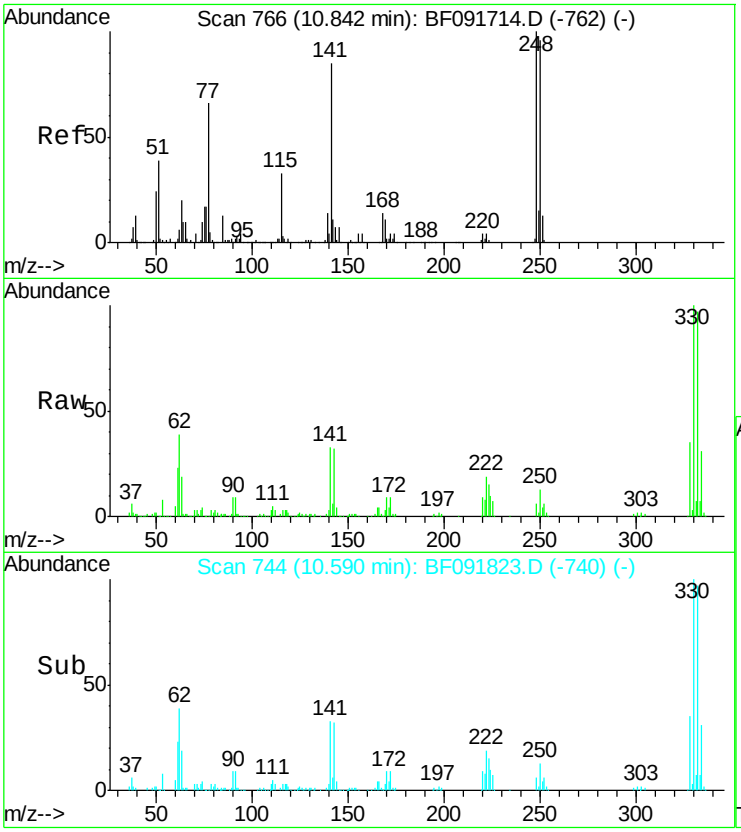




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.28 min Scan# 804
Delta R.T. -0.01 min
Lab File: BF091823.D
Acq: 20 Dec 2016 16:40

Tgt Ion:188 Resp: 503597

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 11.7 | 10.0 | 15.0 |
| 80 | 13.1 | 11.2 | 16.8 |



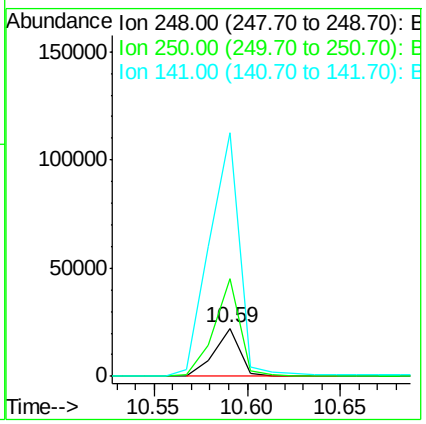


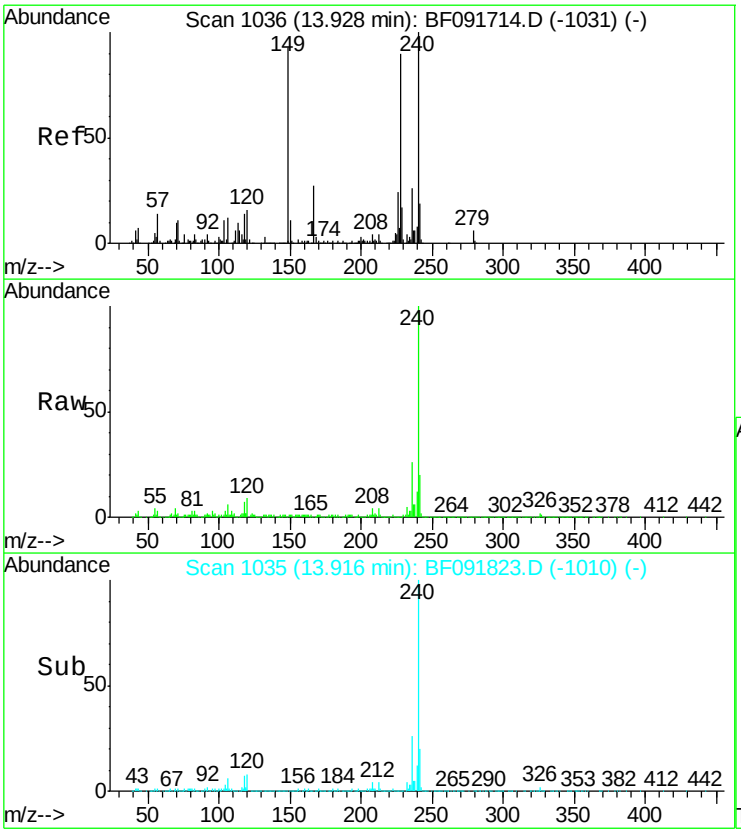

#66
4-Bromophenyl-phenylether
Concen: 4.05 ng
RT: 10.59 min Scan# 744
Delta R.T. -0.25 min
Lab File: BF091823.D
Acq: 20 Dec 2016 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
SB-4-9-10

Tgt Ion:248 Resp: 21371

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 203.6 | 76.9 | 115.3# |
| 141 | 505.5 | 68.2 | 102.4# |

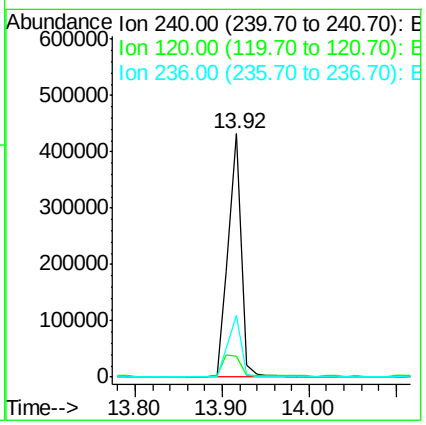


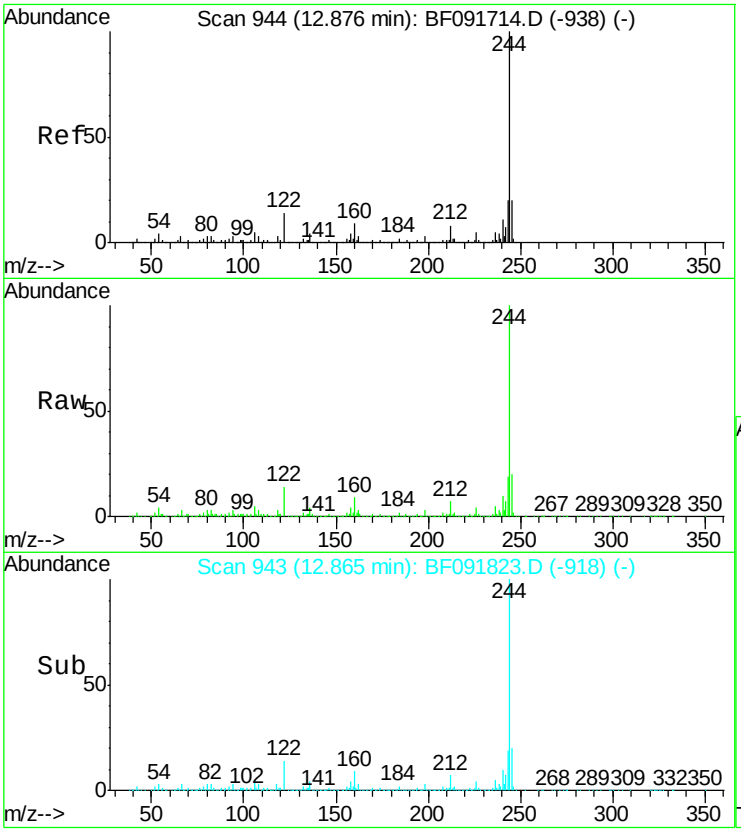




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.92 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF091823.D
Acq: 20 Dec 2016 16:40

Tgt Ion:240 Resp: 445792

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.8 | 12.9 | 19.3# |
| 236 | 25.6 | 20.9 | 31.3 |



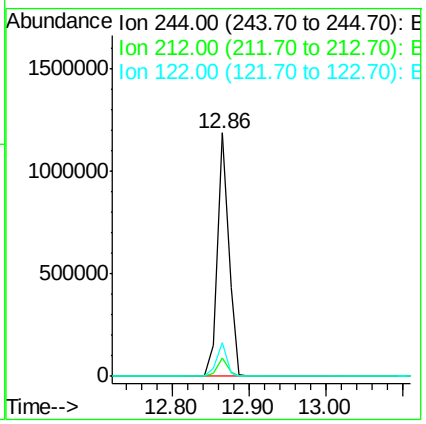


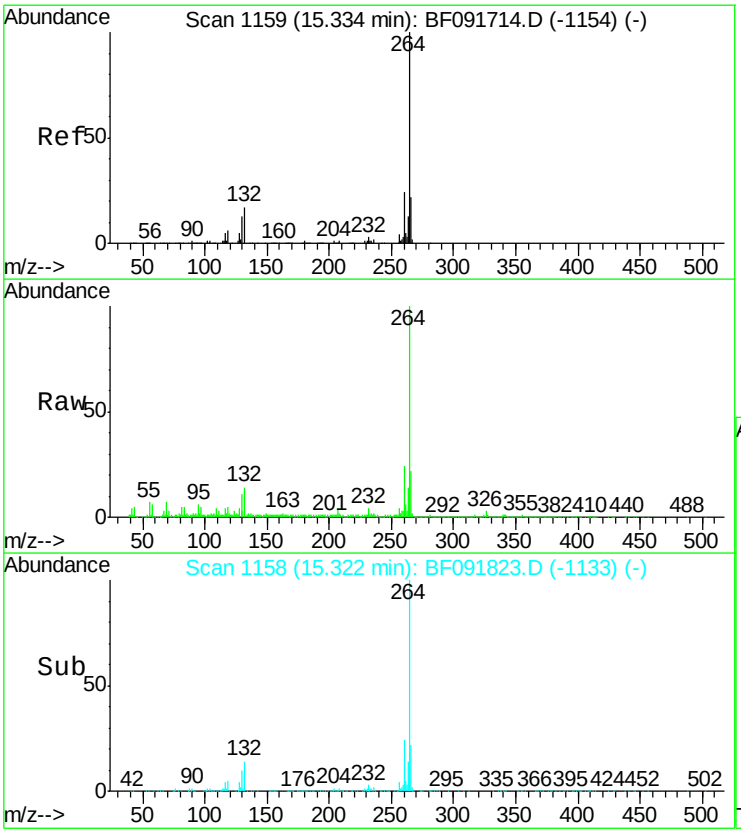

#78
Terphenyl-d14
Concen: 69.66 ng
RT: 12.86 min Scan# 943
Delta R.T. -0.01 min
Lab File: BF091823.D
Acq: 20 Dec 2016 16:40

**Instrument :**
BNA_F
**ClientSampleId :**
SB-4-9-10

Tgt Ion:244 Resp: 1229945

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.5 | 6.2 | 9.2 |
| 122 | 13.7 | 11.4 | 17.2 |




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.32 min Scan# 1158
Delta R.T. -0.01 min
Lab File: BF091823.D
Acq: 20 Dec 2016 16:40

Tgt Ion:264 Resp: 408762

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.0 | 19.2 | 28.8 |
| 265 | 22.0 | 17.4 | 26.0 |