Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030615\
Data File : BF077623.D
Acq On : 6 Mar 2015 15:49
Operator : TP/IZ
Sample : G1426-01DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** DCW-WW-064-3315DL

Quant Time: Mar 06 23:49:30 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 06 22:10:32 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.20 | 152 | 63341 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.78 | 136 | 251887 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 10.95 | 164 | 130692 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 12.79 | 188 | 254225 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 16.07 | 240 | 274480 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 17.77 | 264 | 265654 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.49 | 112 | 43953 | 11.58 | ng | | 0.00 |
| 7) Phenol-d6 | 6.76 | 99 | 35550 | 7.29 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.89 | 82 | 80454 | 19.86 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 11.93 | 330 | 35484 | 28.20 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 10.12 | 172 | 184493 | 22.01 | ng | | 0.00 |
| 78) Terphenyl-d14 | 14.78 | 244 | 216116 | 18.41 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 13) 1,4-Dichlorobenzene | 7.22 | 146 | 10152 | 2.05 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 7.41 | 146 | 209189 | 44.35 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.71 | 180 | 90918 | 22.54 | ng | | 96 |
| 31) Naphthalene | 8.80 | 128 | 148408 | 11.78 | ng | | 98 |
| 33) 4-Chloroaniline | 8.86 | 127 | 68308 | 12.20 | ng | | 98 |
| 37) 2-Methylnaphthalene | 9.66 | 142 | 58215 | 6.51 | ng | | 99 |
| 51) Acenaphthene | 10.99 | 154 | 16626 | 2.27 | ng | | 98 |
| 56) 2,4-Dinitrotoluene | 11.20 | 165 | 8729 | 3.51 | ng | # | 65 |

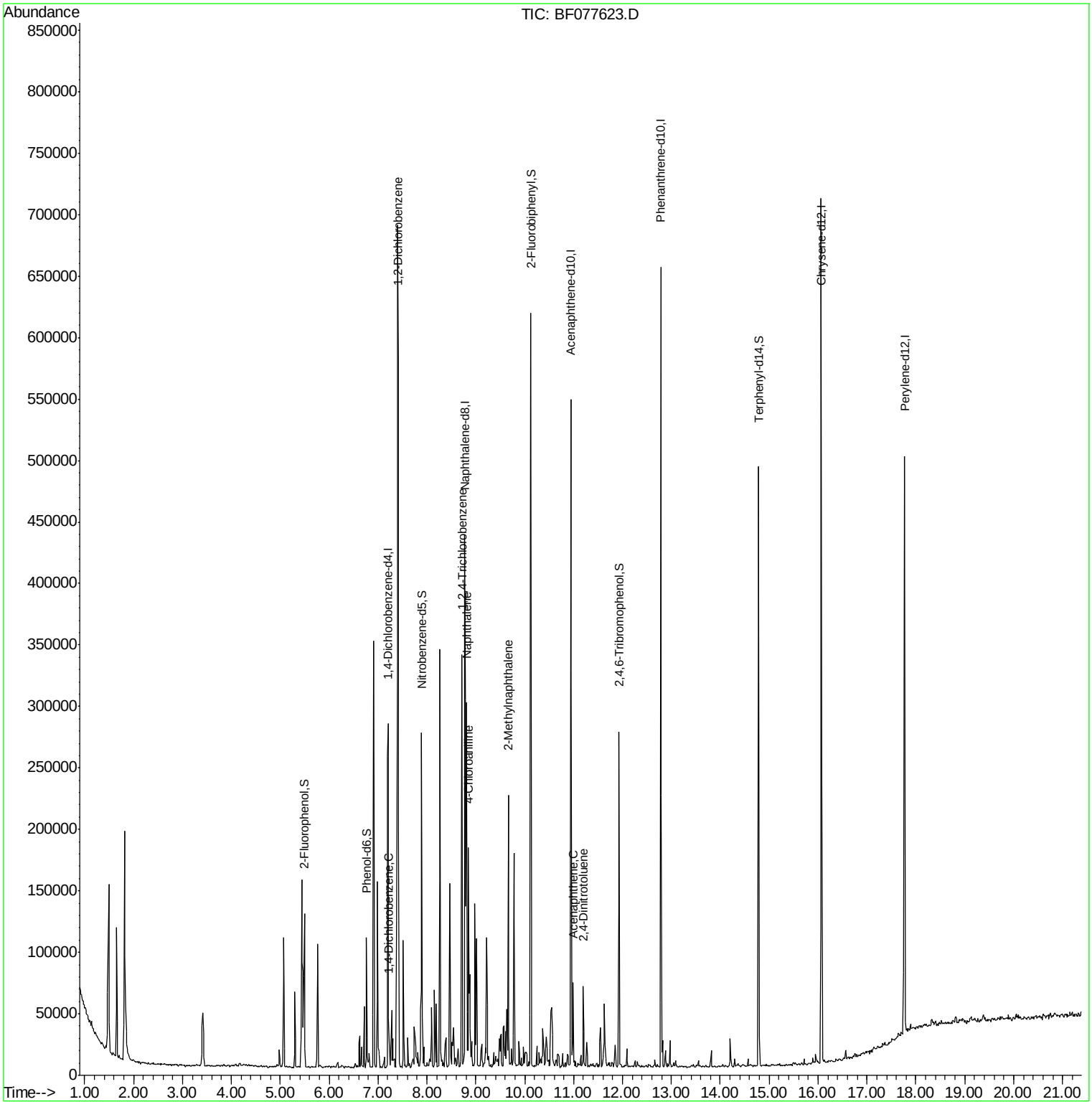
(#) = qualifier out of range (m) = manual integration (+) = signals summed

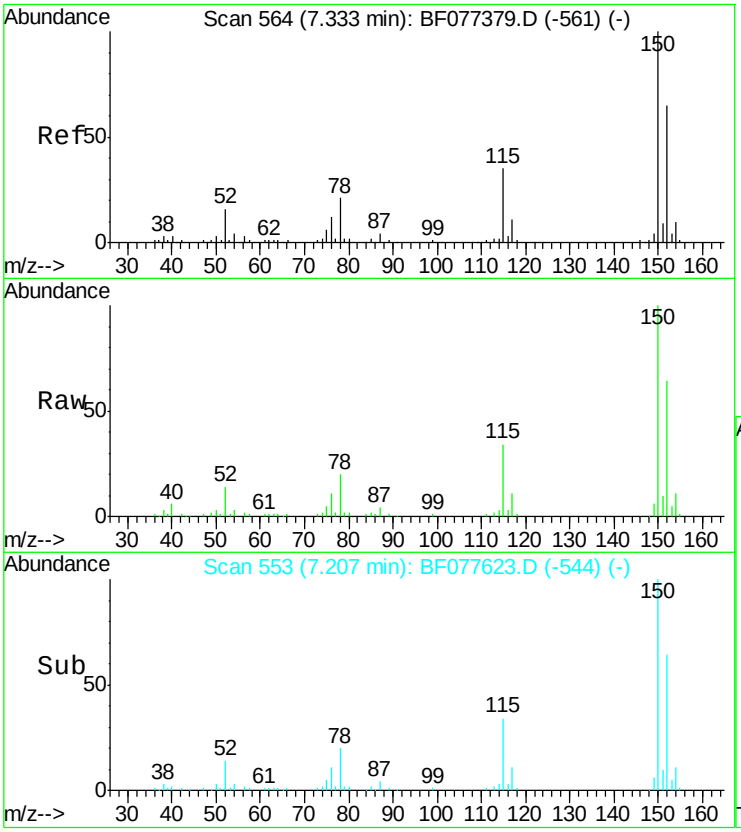
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030615\
Data File : BF077623.D
Acq On : 6 Mar 2015 15:49
Operator : TP/IZ
Sample : G1426-01DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
DCW-WW-064-3315DL

Quant Time: Mar 06 23:49:30 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 06 22:10:32 2015
Response via : Initial Calibration



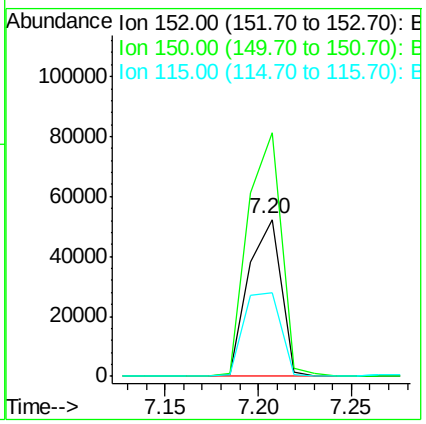


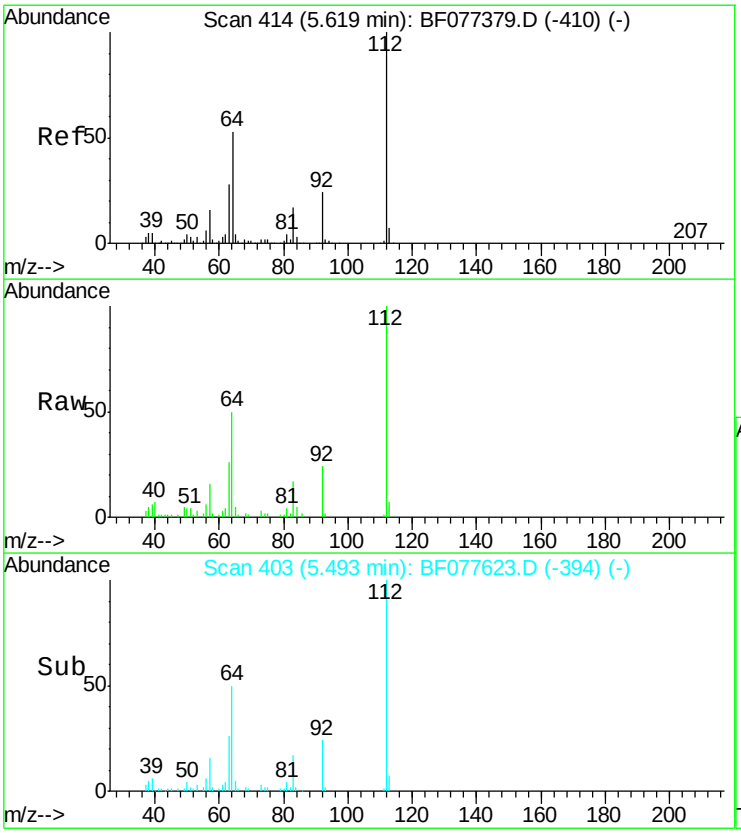

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.20 min Scan# 553
Delta R.T. -0.00 min
Lab File: BF077623.D
Acq: 6 Mar 2015 15:49

**Instrument :**
BNA_F
**ClientSampleId :**
DCW-WW-064-3315DL

Tgt Ion:152 Resp: 63341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.4 | 124.0 | 186.0 |
| 115 | 53.5 | 49.4 | 74.2 |

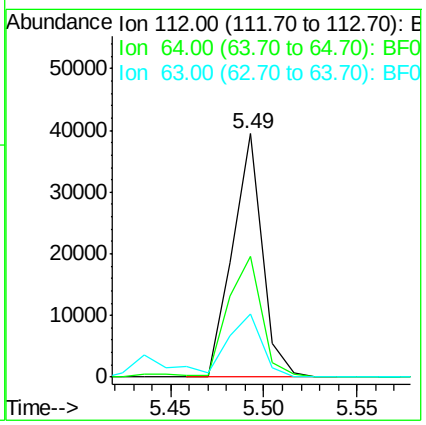


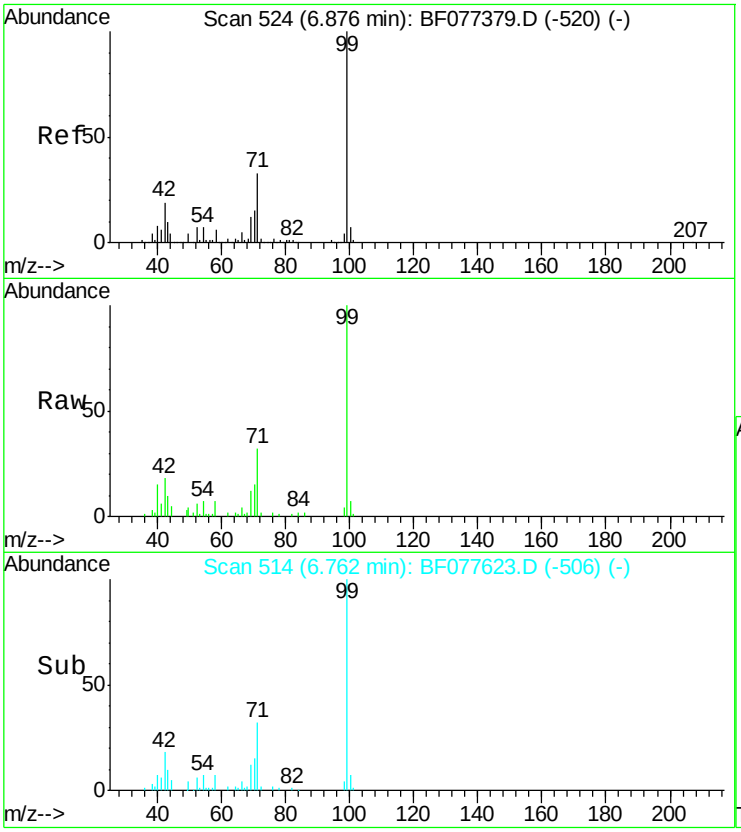




#5
2-Fluorophenol
Concen: 11.58 ng
RT: 5.49 min Scan# 403
Delta R.T. -0.00 min
Lab File: BF077623.D
Acq: 6 Mar 2015 15:49

Tgt Ion:112 Resp: 43953

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 49.7 | 48.5 | 72.7 |
| 63 | 25.9 | 25.0 | 37.4 |



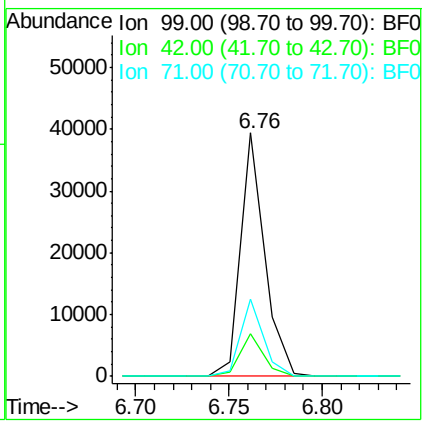


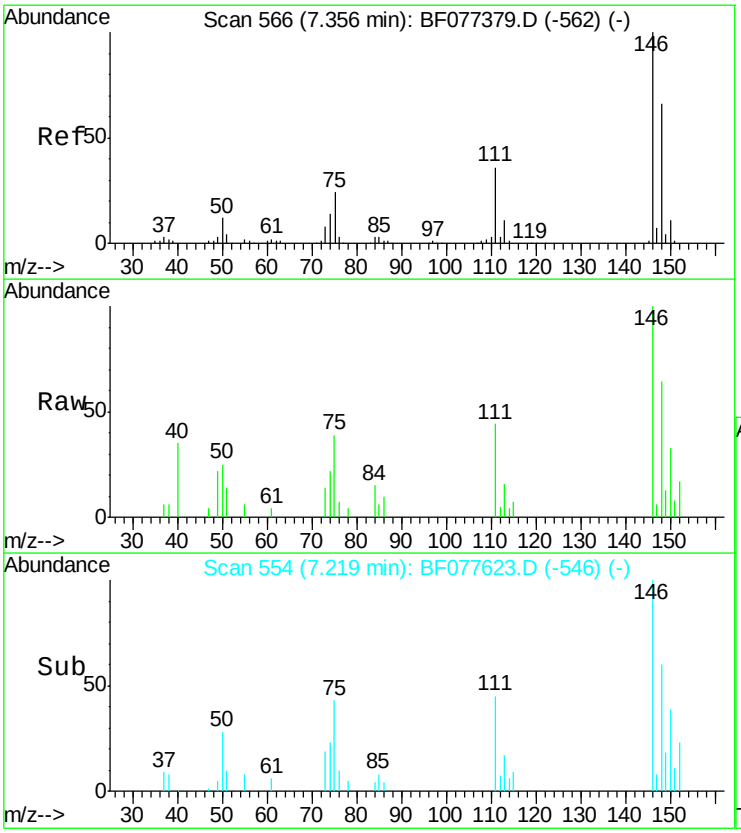

#7
Phenol-d6
Concen: 7.29 ng
RT: 6.76 min Scan# 514
Delta R.T. -0.00 min
Lab File: BF077623.D
Acq: 6 Mar 2015 15:49

**Instrument :**
BNA_F
**ClientSampleId :**
DCW-WW-064-3315DL

Tgt Ion: 99 Resp: 35550

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 17.6 | 16.2 | 24.4 |
| 71 | 31.7 | 26.7 | 40.1 |

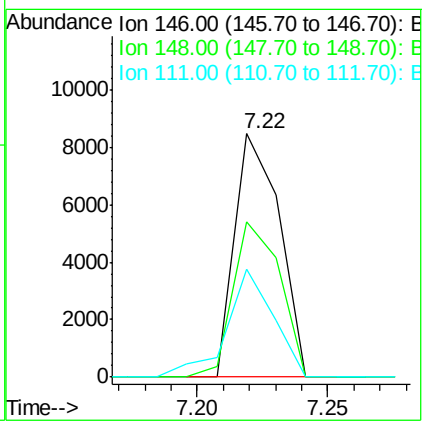


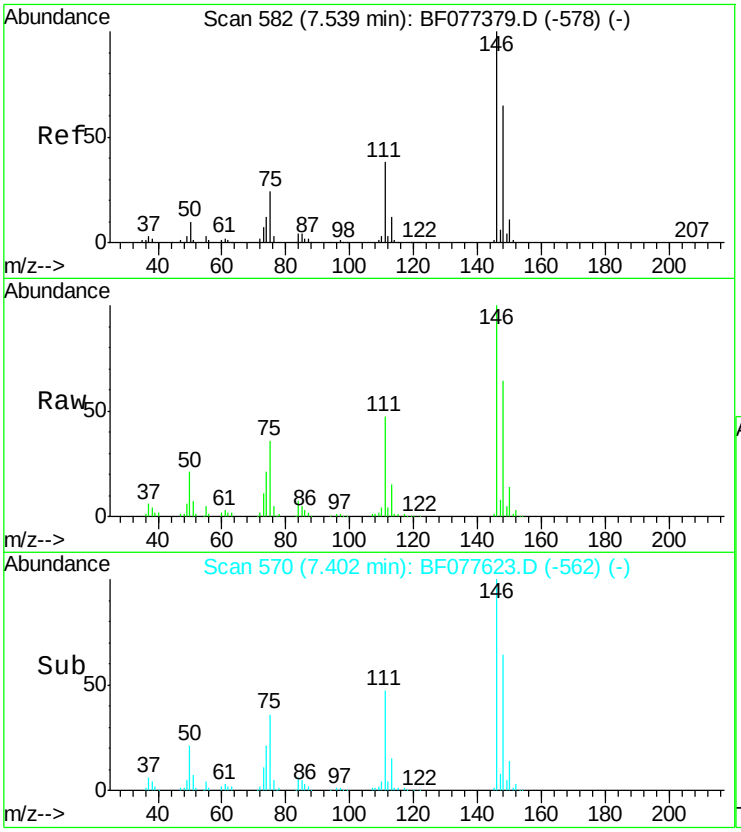




#13
1,4-Dichlorobenzene
Concen: 2.05 ng
RT: 7.22 min Scan# 554
Delta R.T. -0.00 min
Lab File: BF077623.D
Acq: 6 Mar 2015 15:49

Tgt Ion:146 Resp: 10152

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.7 | 52.0 | 78.0 |
| 111 | 44.2 | 31.9 | 47.9 |



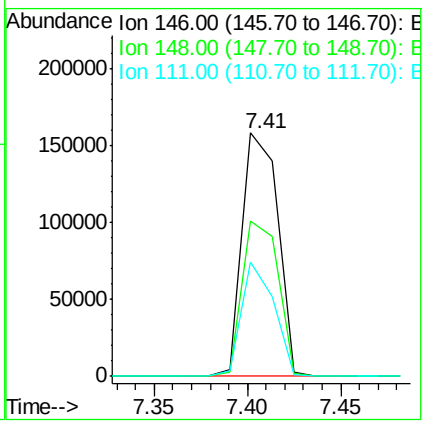


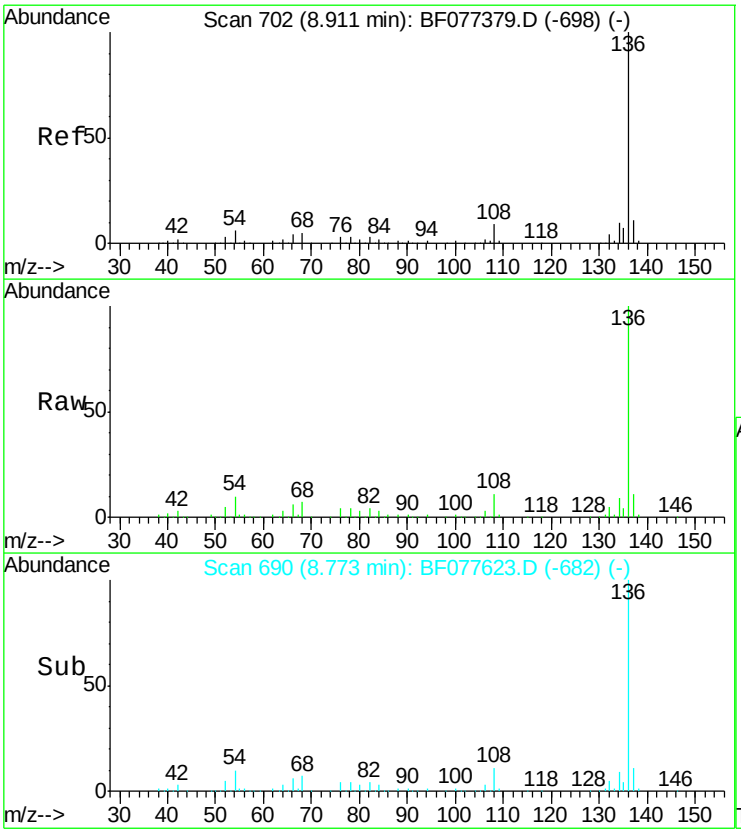

#14
1,2-Dichlorobenzene
Concen: 44.35 ng
RT: 7.41 min Scan# 570
Delta R.T. -0.00 min
Lab File: BF077623.D
Acq: 6 Mar 2015 15:49

**Instrument :**
BNA_F
**ClientSampleId :**
DCW-WW-064-3315DL

Tgt Ion:146 Resp: 209189

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.6 | 51.6 | 77.4 |
| 111 | 47.1 | 34.2 | 51.2 |

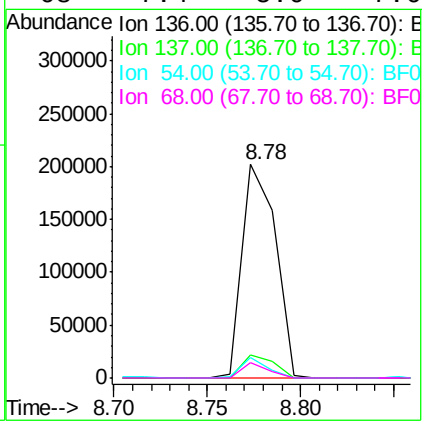


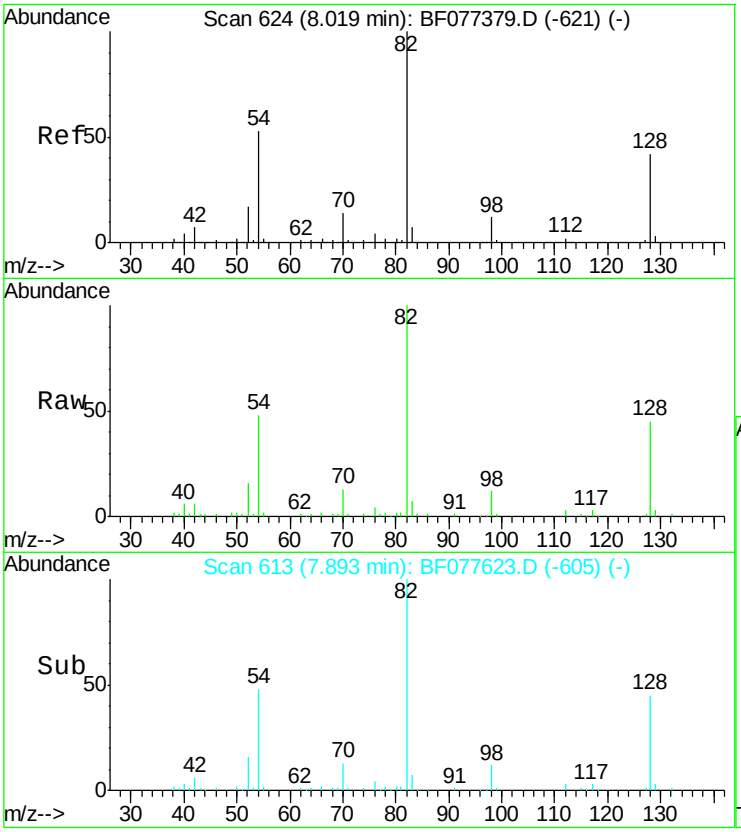




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.78 min Scan# 690
Delta R.T. -0.00 min
Lab File: BF077623.D
Acq: 6 Mar 2015 15:49

Tgt Ion:136 Resp: 251887

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.1 | 8.6 | 13.0 |
| 54 | 9.8 | 6.2 | 9.4# |
| 68 | 7.4 | 5.0 | 7.6 |



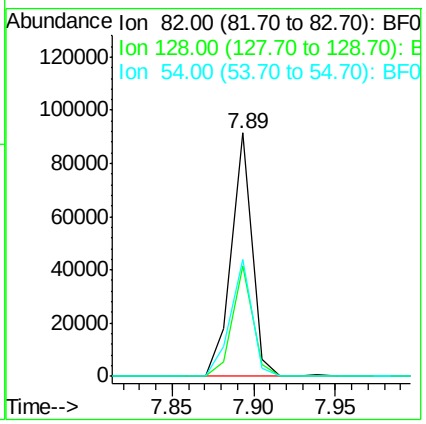


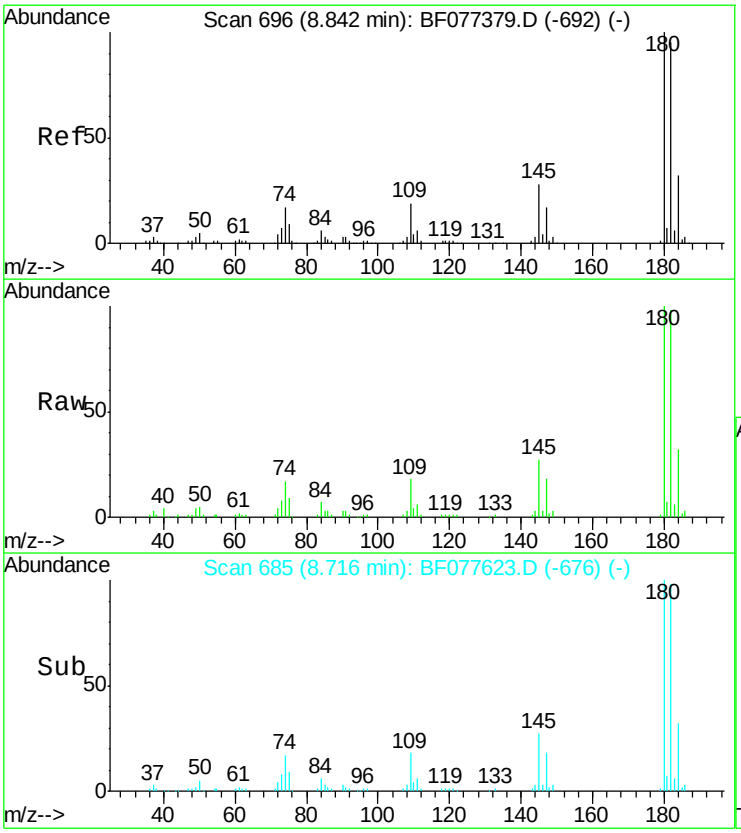

#23
Nitrobenzene-d5
Concen: 19.86 ng
RT: 7.89 min Scan# 613
Delta R.T. -0.00 min
Lab File: BF077623.D
Acq: 6 Mar 2015 15:49

**Instrument :**
BNA_F
**ClientSampleId :**
DCW-WW-064-3315DL

Tgt Ion: 82 Resp: 80454

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.3 | 43.8 | 65.8 |
| 54 | 48.2 | 36.7 | 55.1 |

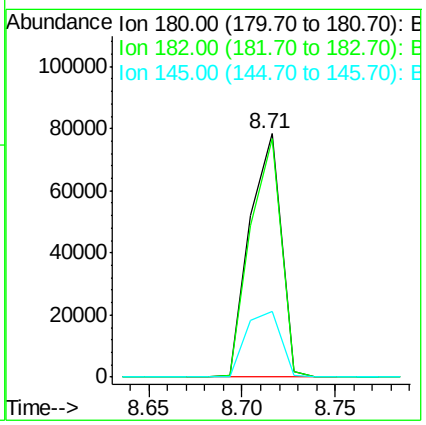


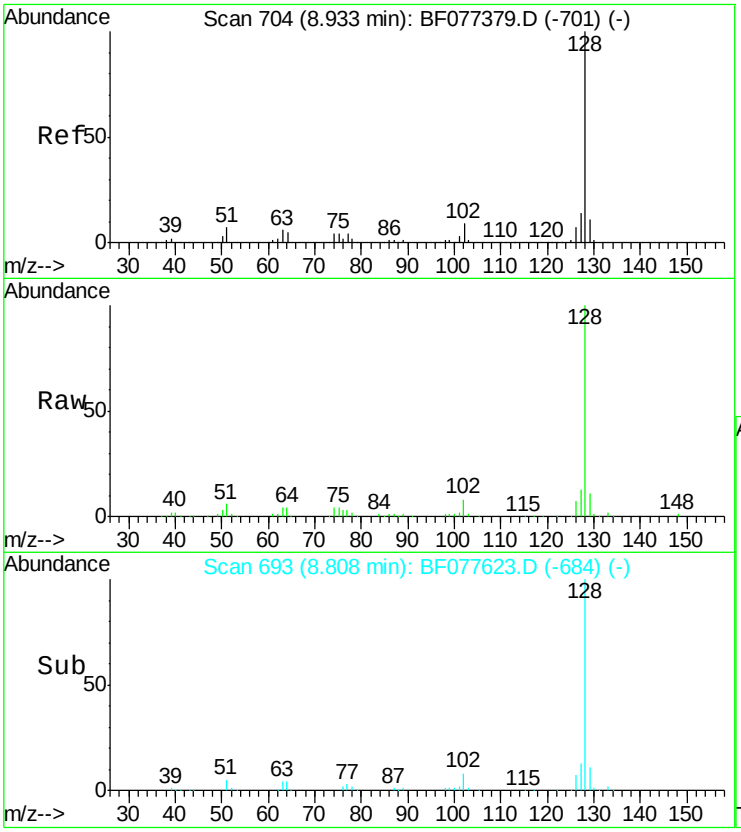




#30
1,2,4-Trichlorobenzene
Concen: 22.54 ng
RT: 8.71 min Scan# 685
Delta R.T. -0.00 min
Lab File: BF077623.D
Acq: 6 Mar 2015 15:49

Tgt Ion:180 Resp: 90918

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 98.1 | 76.2 | 114.4 |
| 145 | 26.9 | 24.5 | 36.7 |



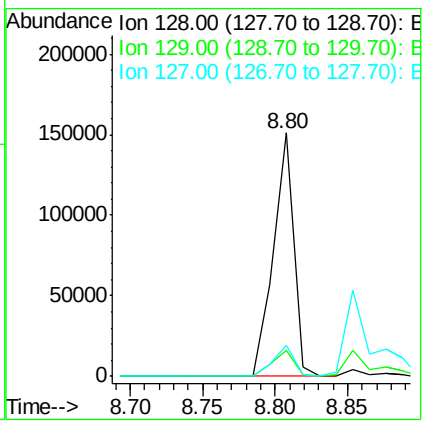


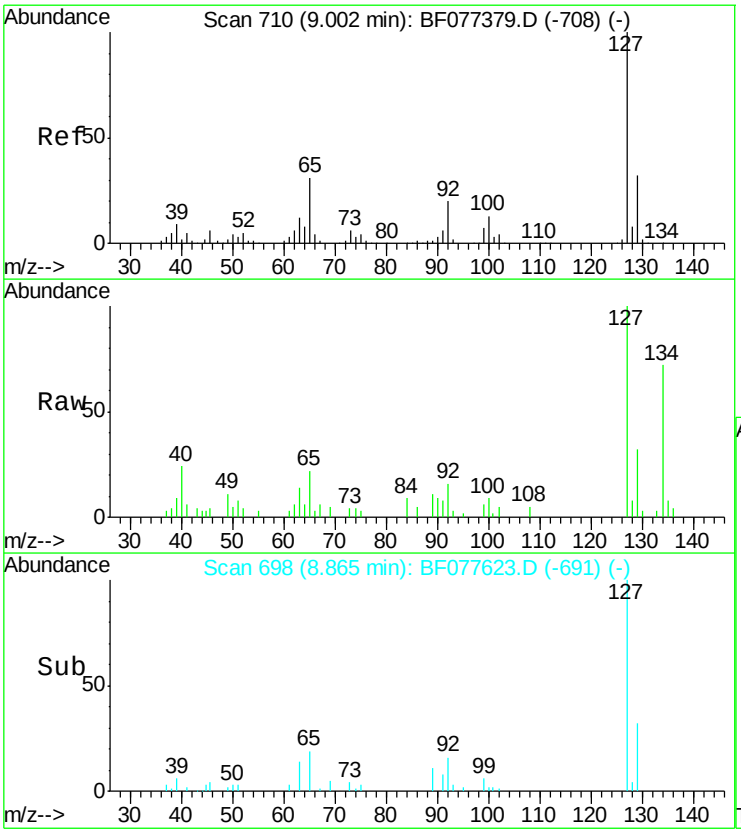

#31
Naphthalene
Concen: 11.78 ng
RT: 8.80 min Scan# 693
Delta R.T. -0.00 min
Lab File: BF077623.D
Acq: 6 Mar 2015 15:49

**Instrument :**
BNA_F
**ClientSampleId :**
DCW-WW-064-3315DL

Tgt Ion:128 Resp: 148408

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.7 | 9.4 | 14.0 |
| 127 | 12.6 | 10.6 | 15.8 |

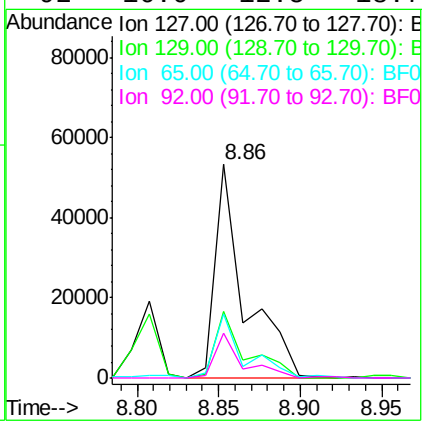


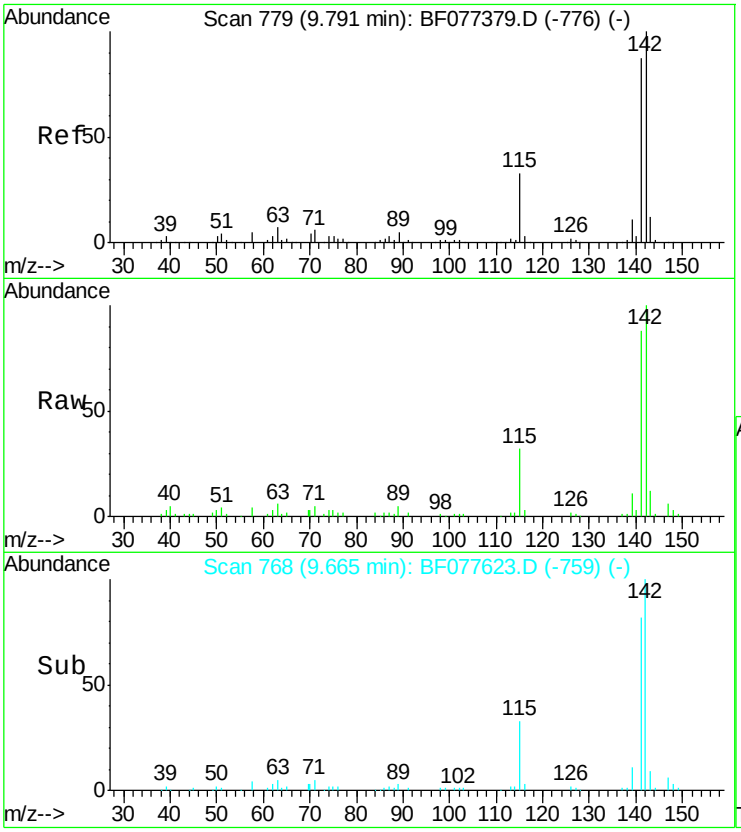




#33
4-Chloroaniline
Concen: 12.20 ng
RT: 8.86 min Scan# 698
Delta R.T. -0.02 min
Lab File: BF077623.D
Acq: 6 Mar 2015 15:49

Tgt Ion:127 Resp: 68308

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 32.2 | 26.9 | 40.3 |
| 65 | 22.1 | 16.7 | 25.1 |
| 92 | 16.0 | 12.5 | 18.7 |



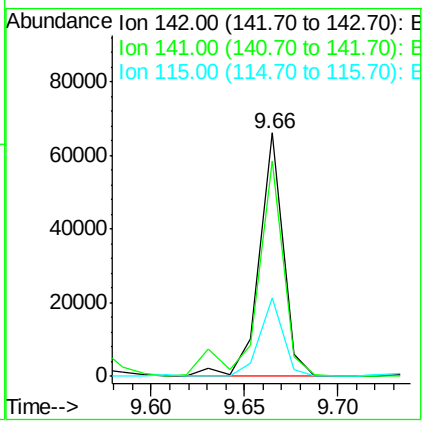


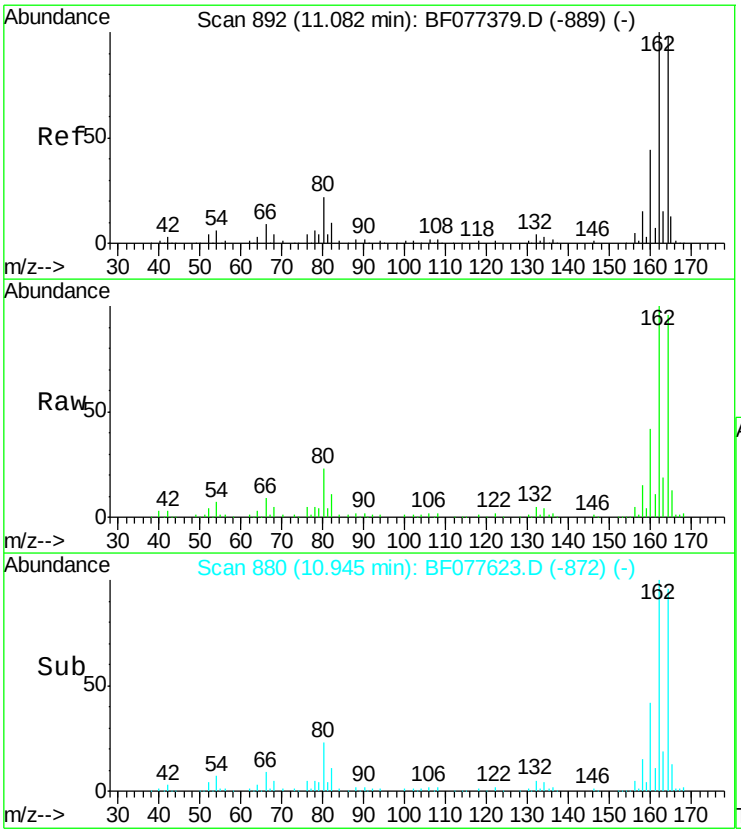

#37
2-Methylnaphthalene
Concen: 6.51 ng
RT: 9.66 min Scan# 768
Delta R.T. -0.00 min
Lab File: BF077623.D
Acq: 6 Mar 2015 15:49

**Instrument :**
BNA_F
**ClientSampleId :**
DCW-WW-064-3315DL

Tgt Ion:142 Resp: 58215

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.3 | 70.7 | 106.1 |
| 115 | 32.3 | 24.2 | 36.4 |

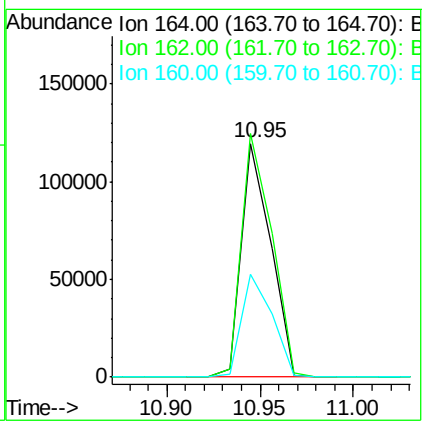


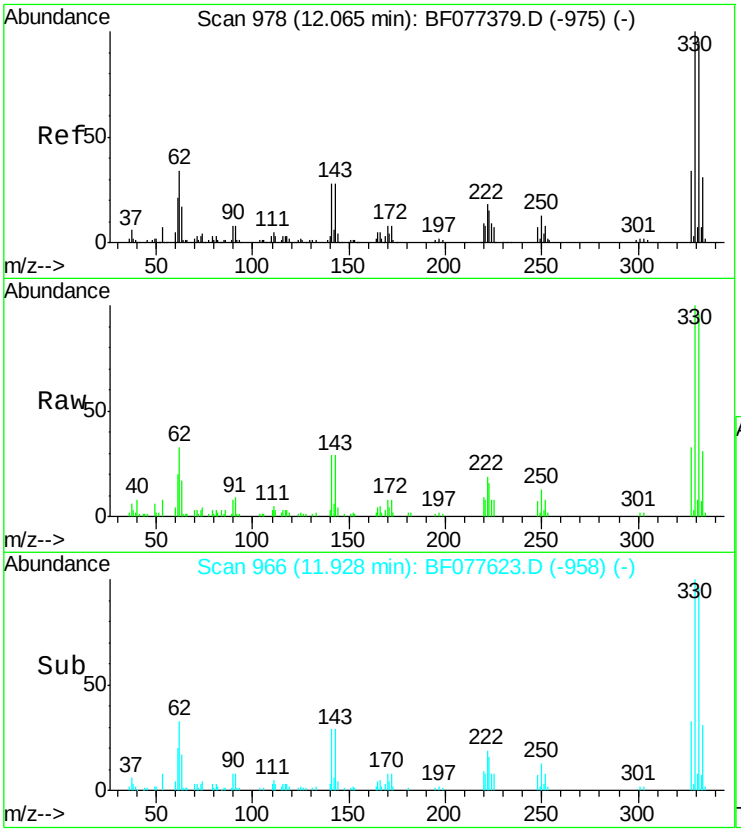




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.95 min Scan# 880
Delta R.T. -0.00 min
Lab File: BF077623.D
Acq: 6 Mar 2015 15:49

Tgt Ion:164 Resp: 130692

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 104.2 | 83.2 | 124.8 |
| 160 | 44.1 | 34.6 | 52.0 |



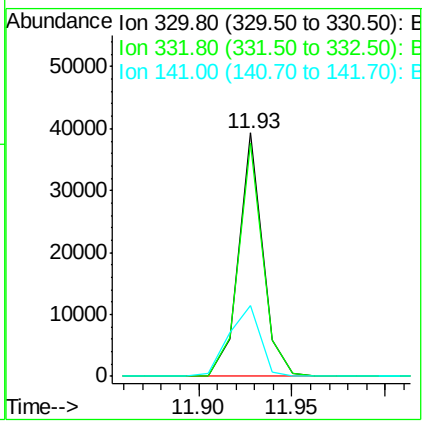


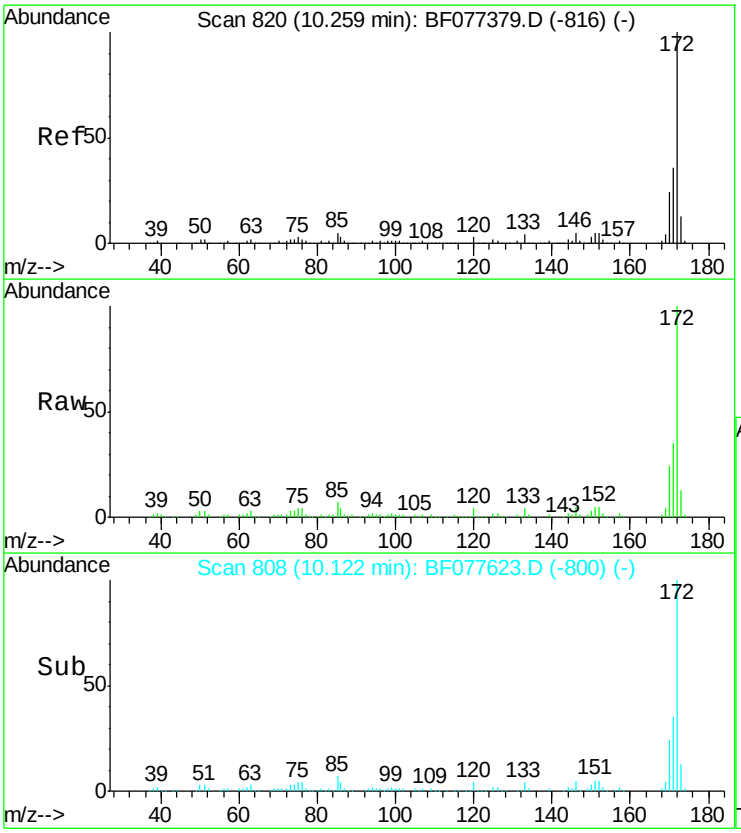

#41
2,4,6-Tribromophenol
Concen: 28.20 ng
RT: 11.93 min Scan# 966
Delta R.T. -0.00 min
Lab File: BF077623.D
Acq: 6 Mar 2015 15:49

**Instrument :**
BNA_F
**ClientSampleId :**
DCW-WW-064-3315DL

Tgt Ion:330 Resp: 35484

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.6 | 77.4 | 116.2 |
| 141 | 38.1 | 28.8 | 43.2 |

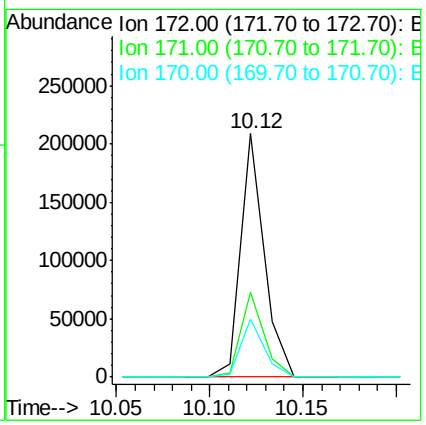


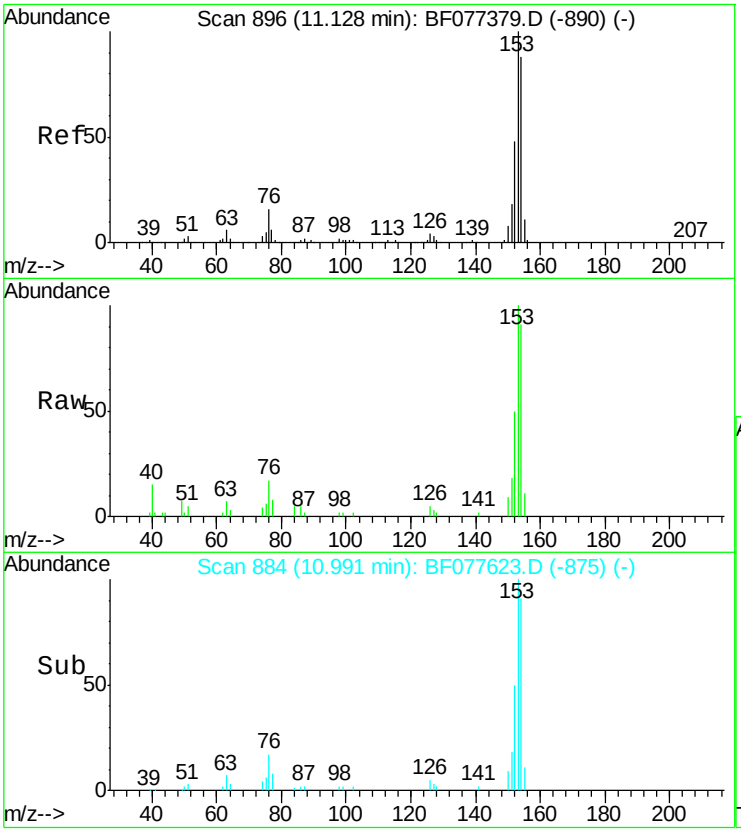




#44
2-Fluorobiphenyl
Concen: 22.01 ng
RT: 10.12 min Scan# 808
Delta R.T. -0.00 min
Lab File: BF077623.D
Acq: 6 Mar 2015 15:49

Tgt Ion:172 Resp: 184493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.9 | 28.9 | 43.3 |
| 170 | 24.1 | 19.4 | 29.2 |



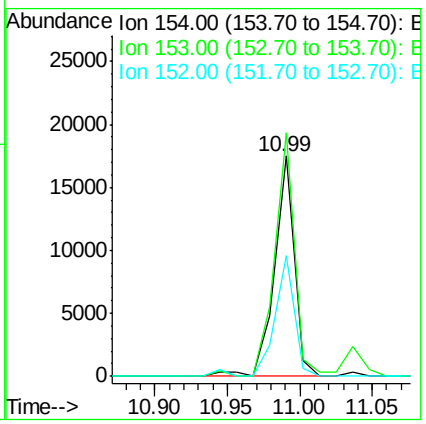


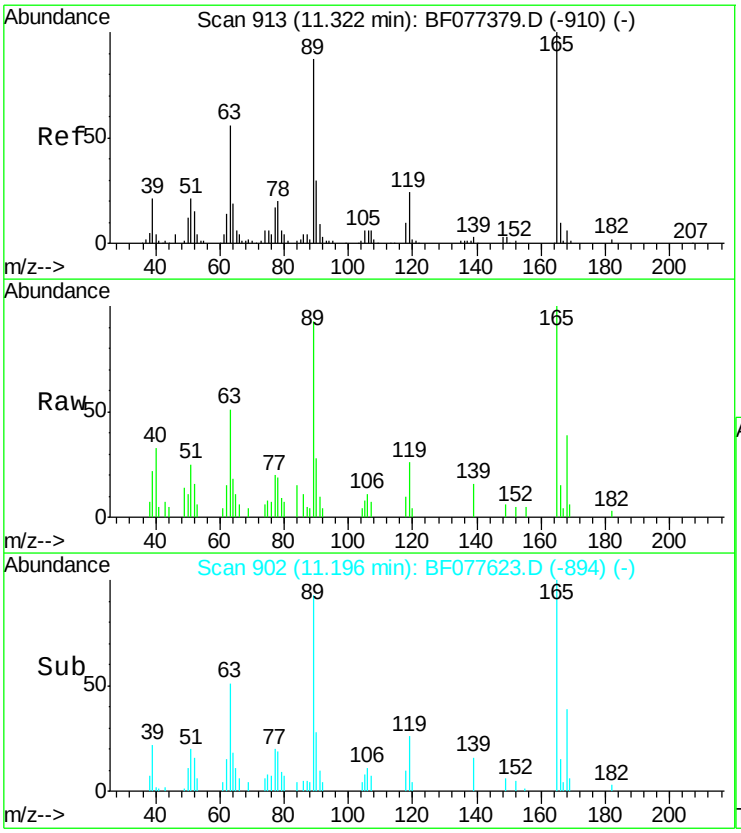

#51
Acenaphthene
Concen: 2.27 ng
RT: 10.99 min Scan# 884
Delta R.T. -0.00 min
Lab File: BF077623.D
Acq: 6 Mar 2015 15:49

**Instrument :**
BNA_F
**ClientSampleId :**
DCW-WW-064-3315DL

Tgt Ion:154 Resp: 16626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 110.4 | 90.5 | 135.7 |
| 152 | 54.8 | 43.5 | 65.3 |

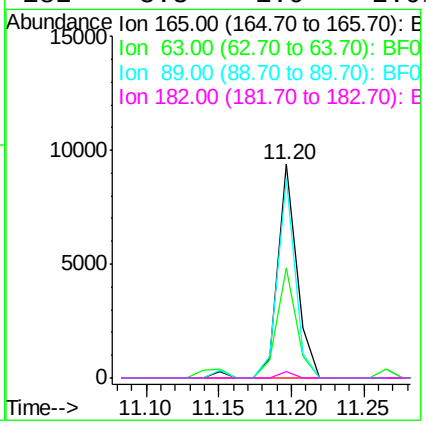


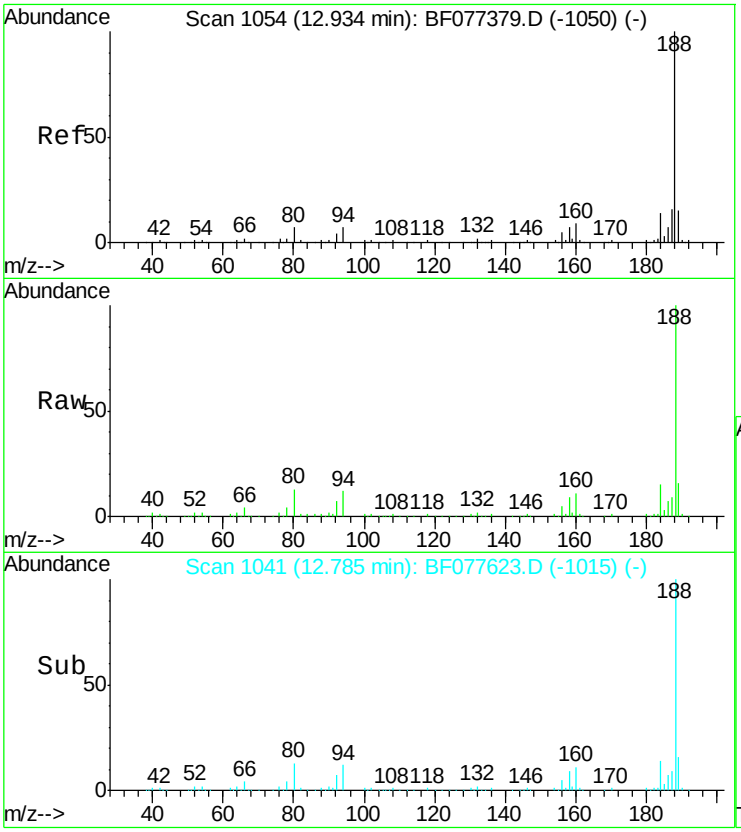




#56
2,4-Dinitrotoluene
Concen: 3.51 ng
RT: 11.20 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF077623.D
Acq: 6 Mar 2015 15:49

Tgt Ion:165 Resp: 8729

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 51.3 | 29.8 | 44.8# |
| 89 | 93.3 | 48.5 | 72.7# |
| 182 | 3.3 | 1.9 | 2.9# |



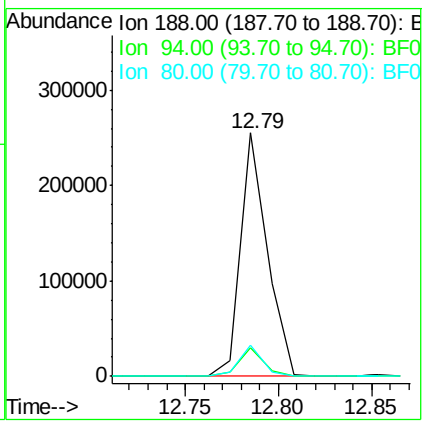


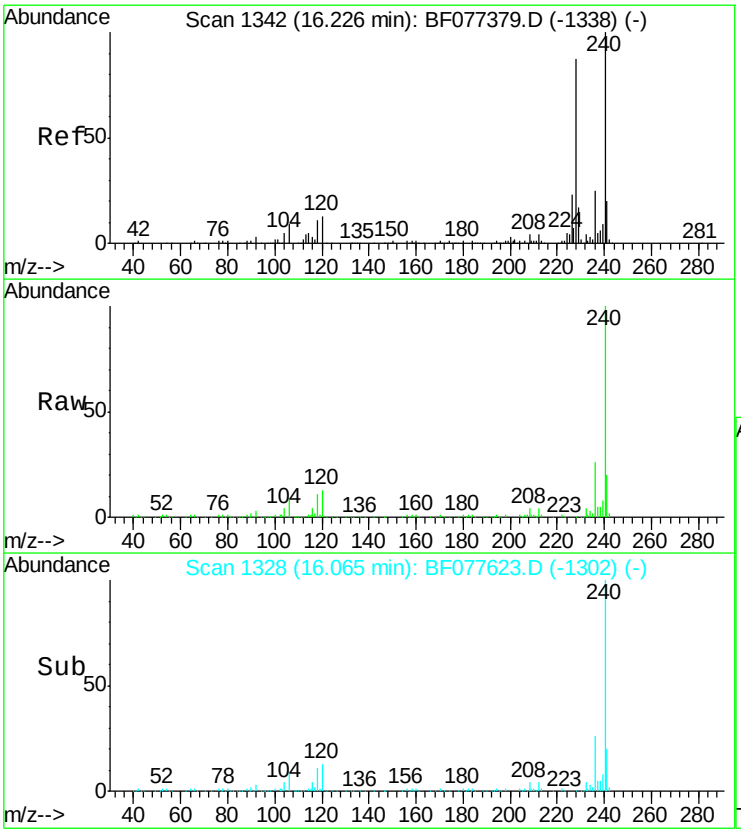

#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.79 min Scan# 1041
Delta R.T. -0.00 min
Lab File: BF077623.D
Acq: 6 Mar 2015 15:49

**Instrument :**
BNA_F
**ClientSampleId :**
DCW-WW-064-3315DL

Tgt Ion:188 Resp: 254225

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 11.7 | 7.4 | 11.2# |
| 80 | 12.5 | 8.0 | 12.0# |

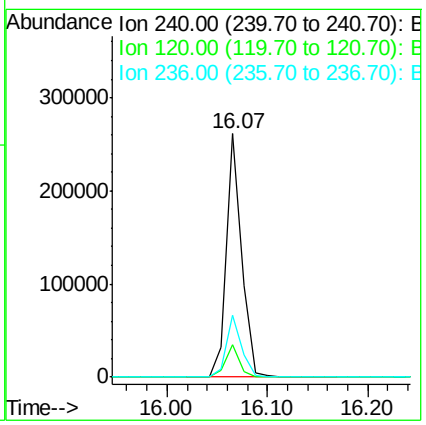


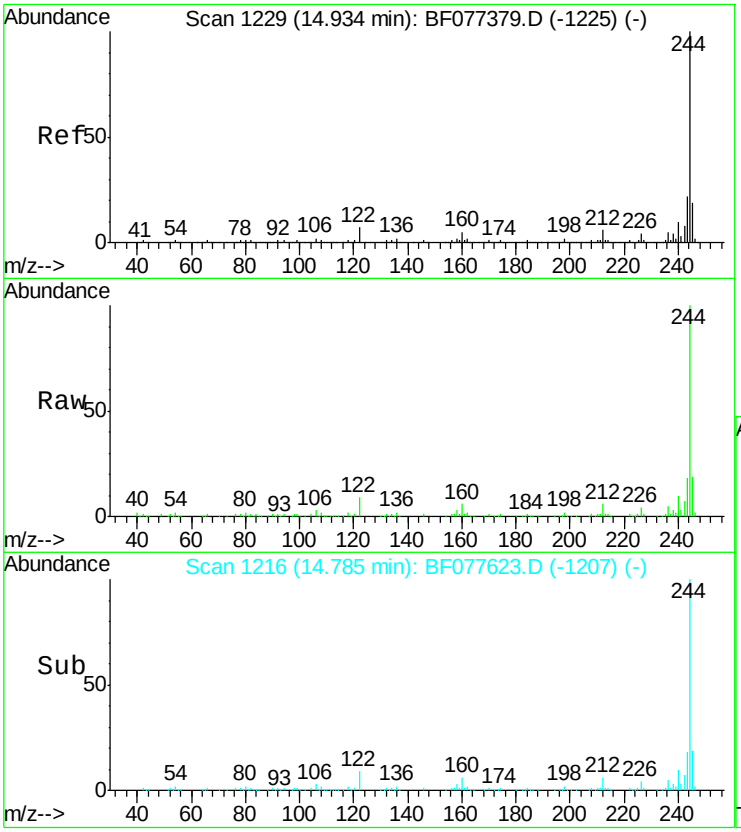




#75
Chrysene-d12
Concen: 20.00 ng
RT: 16.07 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF077623.D
Acq: 6 Mar 2015 15:49

Tgt Ion:240 Resp: 274480

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 13.3 | 8.8 | 13.2# |
| 236 | 25.6 | 20.7 | 31.1 |



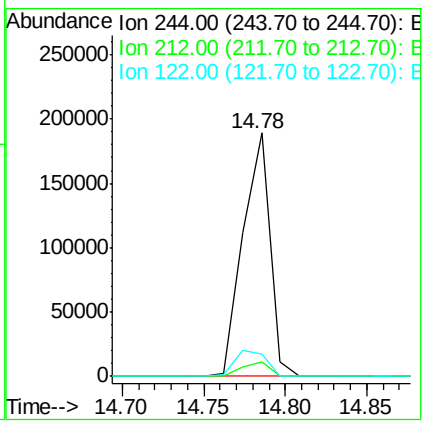


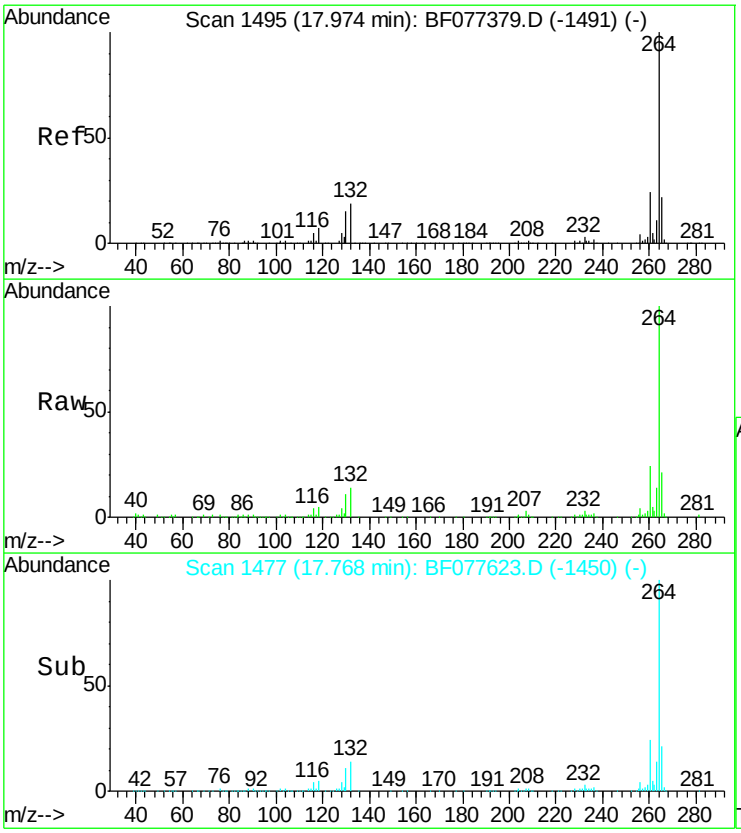

#78
Terphenyl-d14
Concen: 18.41 ng
RT: 14.78 min Scan# 1216
Delta R.T. -0.00 min
Lab File: BF077623.D
Acq: 6 Mar 2015 15:49

**Instrument :**
BNA_F
**ClientSampleId :**
DCW-WW-064-3315DL

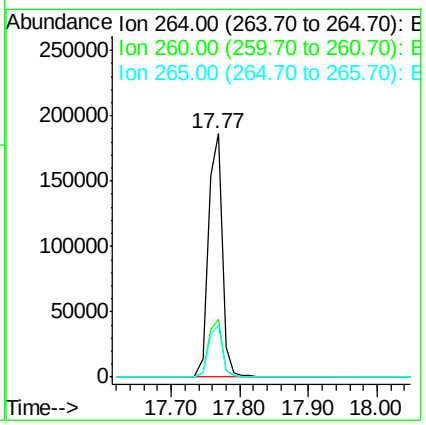
Tgt Ion:244 Resp: 216116

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 5.9 | 5.2 | 7.8 |
| 122 | 9.1 | 7.8 | 11.8 |




#86
Perylene-d12
Concen: 20.00 ng
RT: 17.77 min Scan# 1477
Delta R.T. 0.01 min
Lab File: BF077623.D
Acq: 6 Mar 2015 15:49

Tgt Ion:264 Resp: 265654

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.7 | 19.3 | 28.9 |
| 265 | 21.1 | 16.8 | 25.2 |