Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061915\
Data File : BF080062.D
Acq On : 19 Jun 2015 17:29
Operator : TP/IZ
Sample : G2653-05
Misc : LOD-SVOC-WATER-8PPM
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** LOD-WATER2015-01

Quant Time: Jun 20 00:49:05 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 17 16:41:53 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.33 | 152 | 39102 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 8.62 | 136 | 161276 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 10.39 | 164 | 86137 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 11.90 | 188 | 179502 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 14.93 | 240 | 212437 | 20.00 | ng | | 0.07 |
| 86) Perylene-d12 | 16.84 | 264 | 197819 | 20.00 | ng | | 0.09 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.94 | 112 | 238803 | 108.11 | ng | | 0.00 |
| 7) Phenol-d6 | 6.93 | 99 | 307238 | 104.52 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.89 | 82 | 185499 | 66.96 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 11.19 | 330 | 90937 | 107.96 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 9.69 | 172 | 375826 | 62.22 | ng | | -0.01 |
| 78) Terphenyl-d14 | 13.63 | 244 | 532667 | 58.56 | ng | | 0.04 |
| **Target Compounds** | | | | | | | Qvalue |
| 49) Dimethylphthalate | 10.08 | 163 | 31895 | 4.93 | ng | # | 97 |
| 59) Diethylphthalate | 10.79 | 149 | 34841 | 5.34 | ng | | 99 |
| 64) 4,6-Dinitro-2-methylphenol | 10.97 | 198 | 1985 | 6.23 | ng | | 87 |
| 66) 4-Bromophenyl-phenylether | 11.43 | 248 | 9577 | 5.02 | ng | # | 92 |
| 68) Atrazine | 11.56 | 200 | 8087 | 4.38 | ng | | 84 |
| 70) Phenanthrene | 11.92 | 178 | 52810 | 4.86 | ng | | 97 |
| 72) Carbazole | 12.13 | 167 | 43833 | 4.39 | ng | | 95 |
| 74) Fluoranthene | 13.20 | 202 | 52122 | 4.50 | ng | | 94 |
| 77) Pyrene | 13.47 | 202 | 56235 | 4.30 | ng | | 97 |
| 80) Benzo(a)anthracene | 14.92 | 228 | 56907 | 4.40 | ng | | 97 |
| 82) Chrysene | 14.96 | 228 | 54044 | 4.53 | ng | | 95 |
| 84) Di-n-octyl phthalate | 15.73 | 149 | 40567 | 2.85 | ng | # | 98 |
| 87) Benzo(b)fluoranthene | 16.29 | 252 | 53525 | 4.47 | ng | # | 90 |
| 89) Benzo(a)pyrene | 16.76 | 252 | 50164 | 4.41 | ng | # | 85 |
| 91) Benzo(g,h,i)perylene | 19.25 | 276 | 49940 | 4.25 | ng | # | 76 |

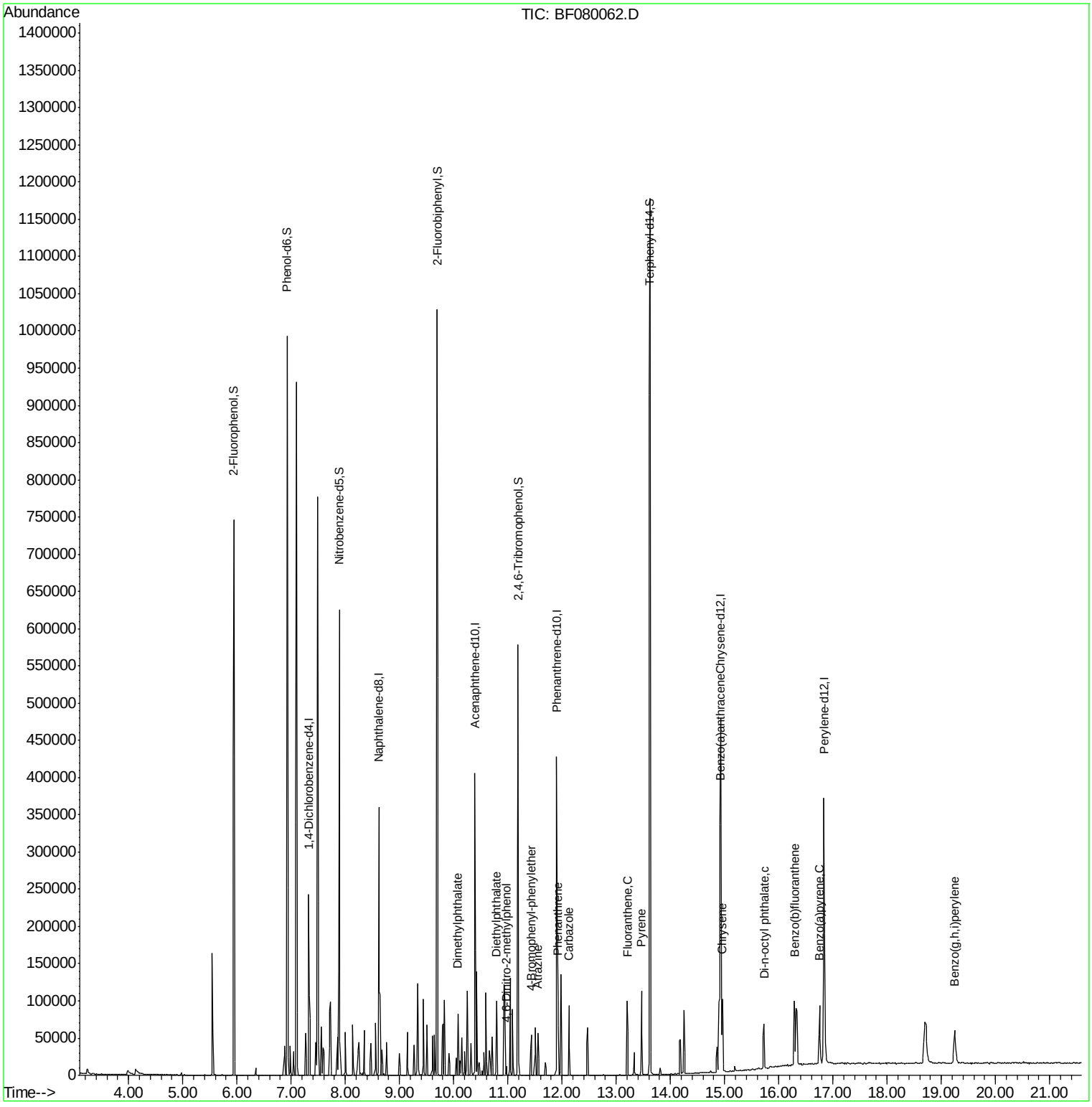
(#) = qualifier out of range (m) = manual integration (+) = signals summed

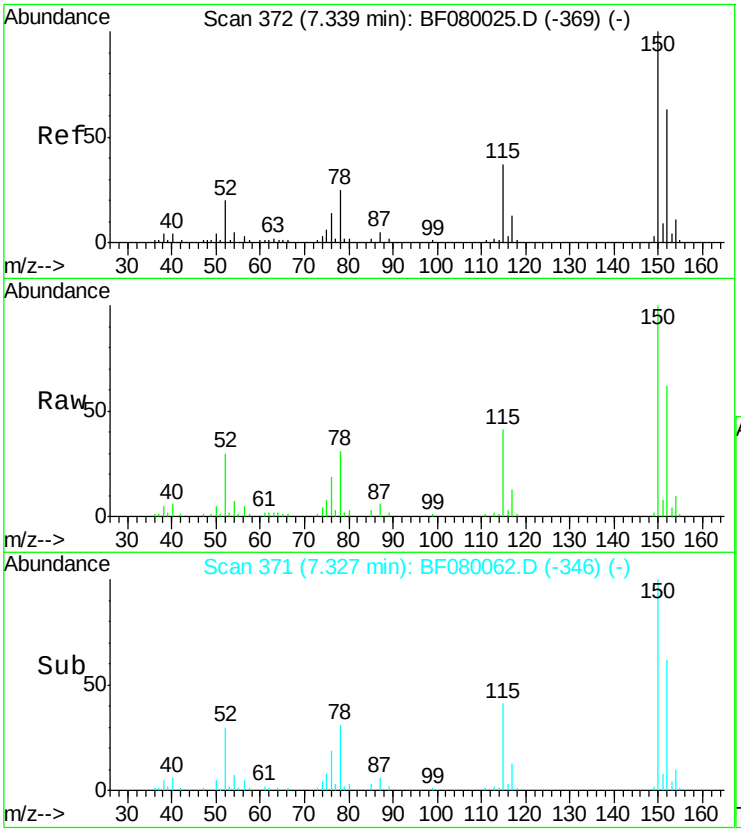
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061915\
Data File : BF080062.D
Acq On : 19 Jun 2015 17:29
Operator : TP/IZ
Sample : G2653-05
Misc : LOD-SVOC-WATER-8PPM
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
LOD-WATER2015-01

Quant Time: Jun 20 00:49:05 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 17 16:41:53 2015
Response via : Initial Calibration



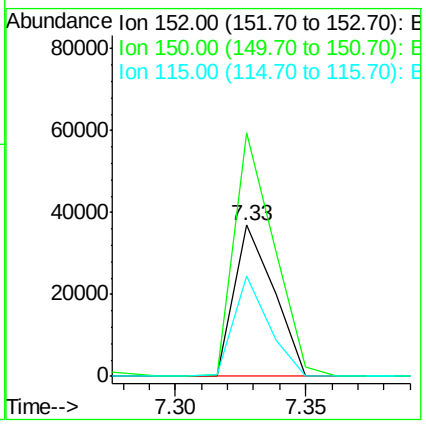


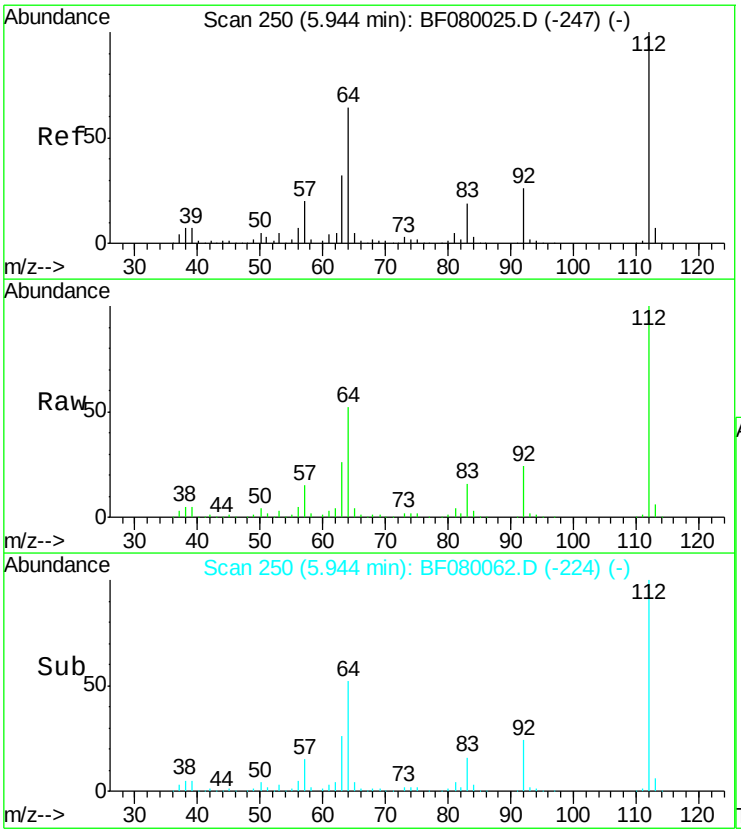

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.33 min Scan# 371
Delta R.T. -0.01 min
Lab File: BF080062.D
Acq: 19 Jun 2015 17:29

**Instrument :**
BNA_F
**ClientSampleId :**
LOD-WATER2015-01

Tgt Ion:152 Resp: 39102

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 160.8 | 124.7 | 187.1 |
| 115 | 66.5 | 39.0 | 58.4# |

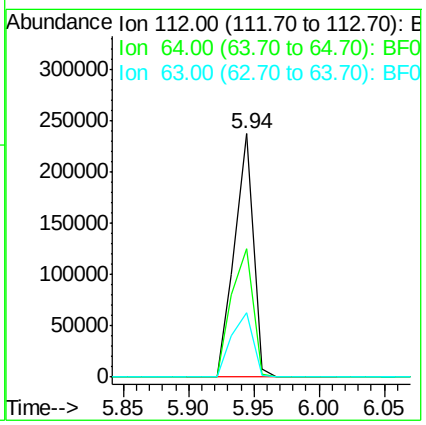


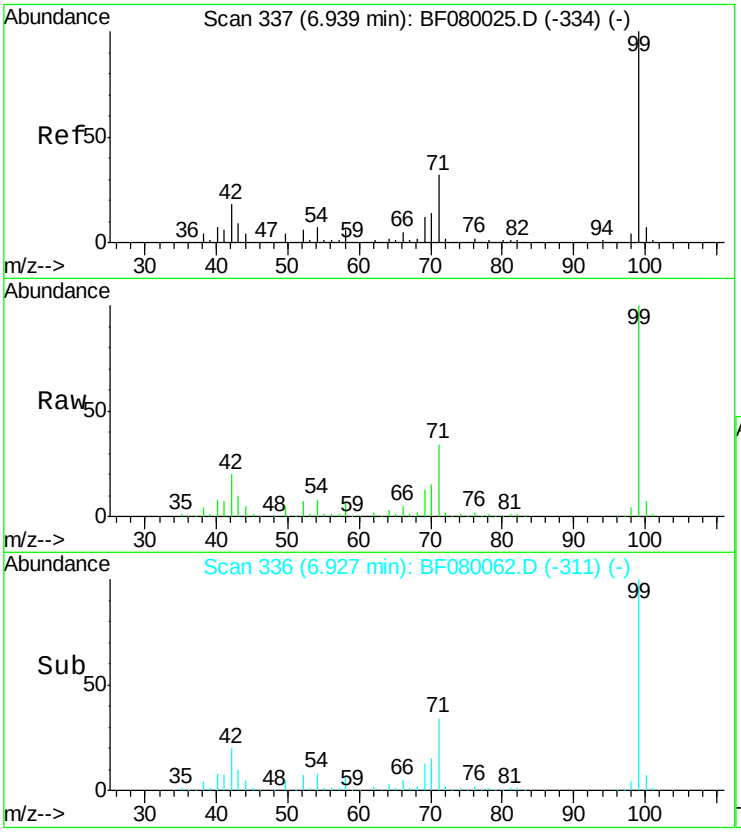




#5
2-Fluorophenol
Concen: 108.11 ng
RT: 5.94 min Scan# 250
Delta R.T. 0.00 min
Lab File: BF080062.D
Acq: 19 Jun 2015 17:29

Tgt Ion:112 Resp: 238803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 52.5 | 39.7 | 59.5 |
| 63 | 26.2 | 17.4 | 26.0# |



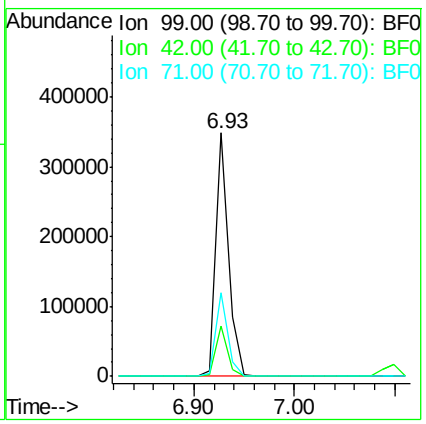


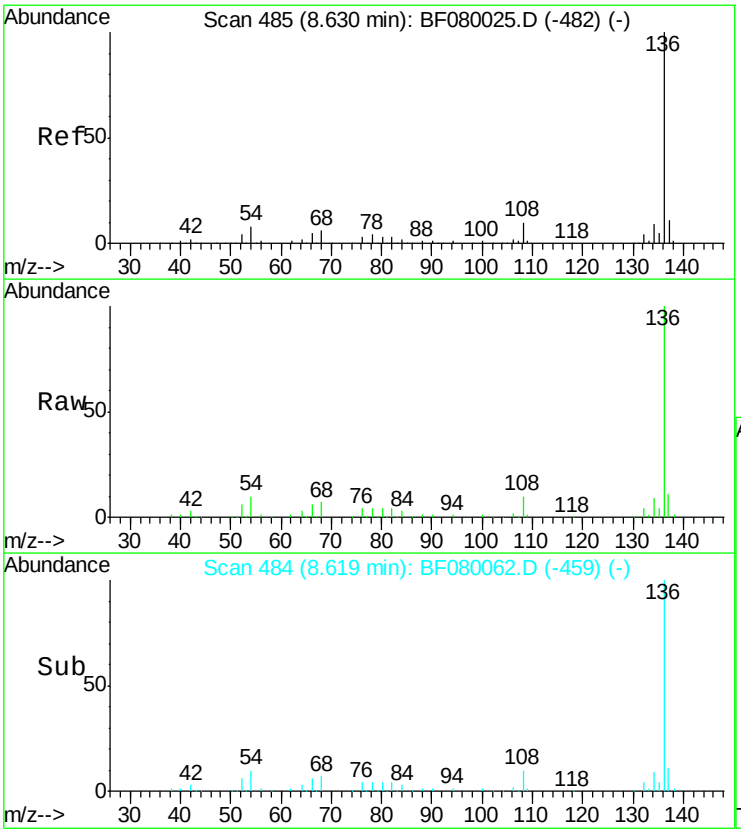

#7
Phenol-d6
Concen: 104.52 ng
RT: 6.93 min Scan# 336
Delta R.T. -0.01 min
Lab File: BF080062.D
Acq: 19 Jun 2015 17:29

**Instrument :**
BNA_F
**ClientSampleId :**
LOD-WATER2015-01

Tgt Ion: 99 Resp: 307238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 20.4 | 13.7 | 20.5 |
| 71 | 34.3 | 14.2 | 21.2# |

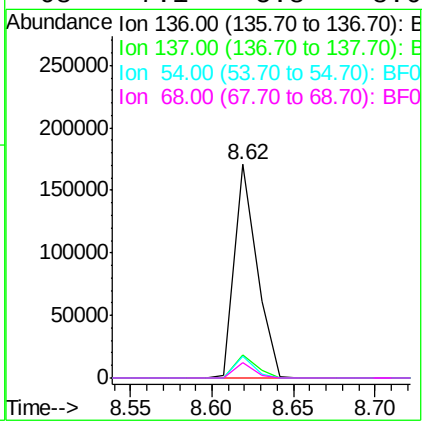


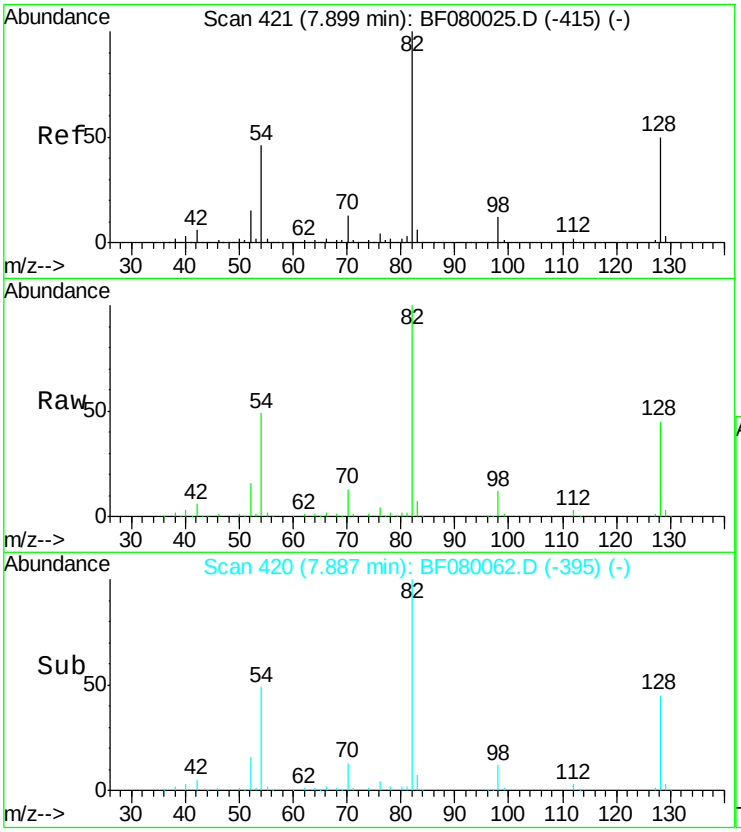




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.62 min Scan# 484
Delta R.T. -0.01 min
Lab File: BF080062.D
Acq: 19 Jun 2015 17:29

Tgt Ion:136 Resp: 161276

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 9.0 | 13.6 |
| 54 | 10.1 | 8.2 | 12.2 |
| 68 | 7.1 | 5.8 | 8.6 |



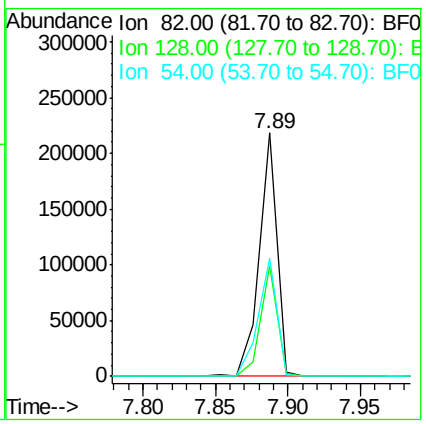


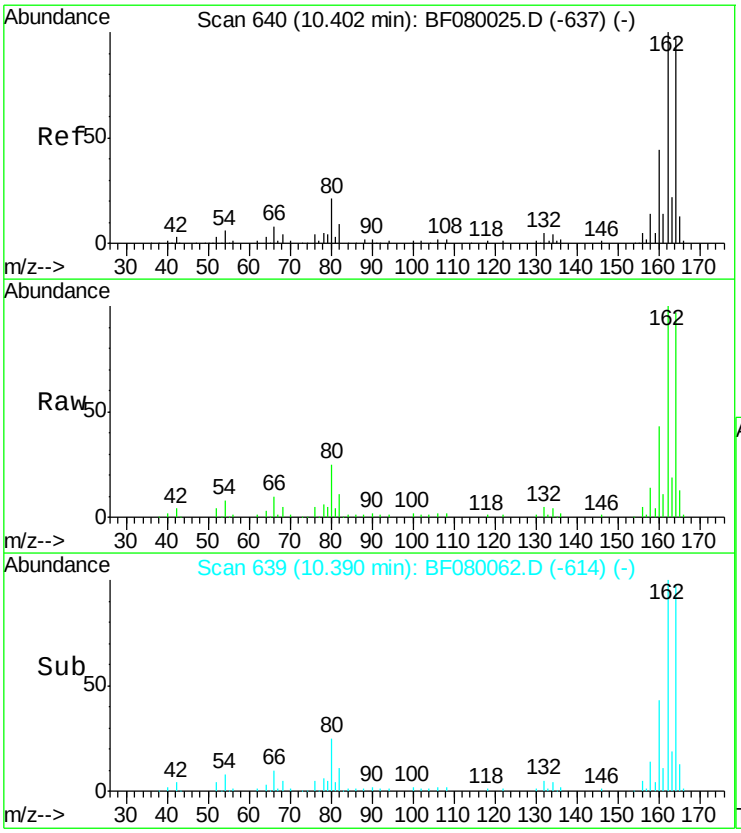

#23
Nitrobenzene-d5
Concen: 66.96 ng
RT: 7.89 min Scan# 420
Delta R.T. -0.01 min
Lab File: BF080062.D
Acq: 19 Jun 2015 17:29

**Instrument :**
BNA_F
**ClientSampleId :**
LOD-WATER2015-01

Tgt Ion: 82 Resp: 185499

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.4 | 51.0 | 76.6# |
| 54 | 48.6 | 47.5 | 71.3 |

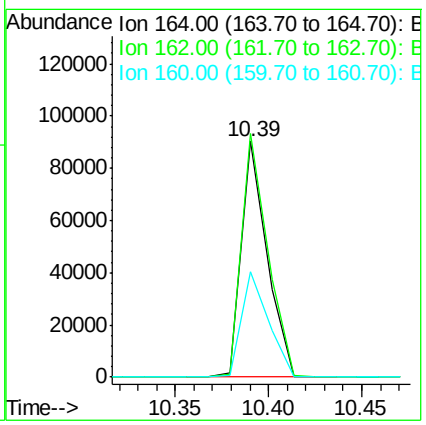


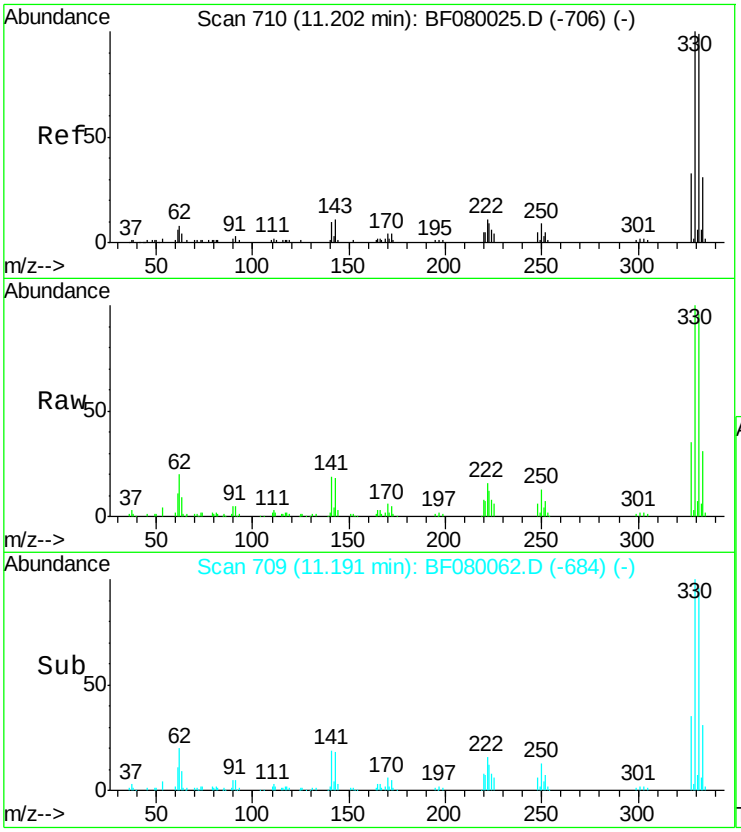




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.39 min Scan# 639
Delta R.T. -0.01 min
Lab File: BF080062.D
Acq: 19 Jun 2015 17:29

Tgt Ion:164 Resp: 86137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 103.4 | 75.2 | 112.8 |
| 160 | 44.5 | 31.5 | 47.3 |



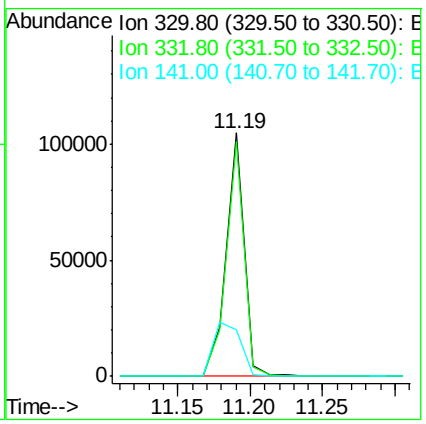


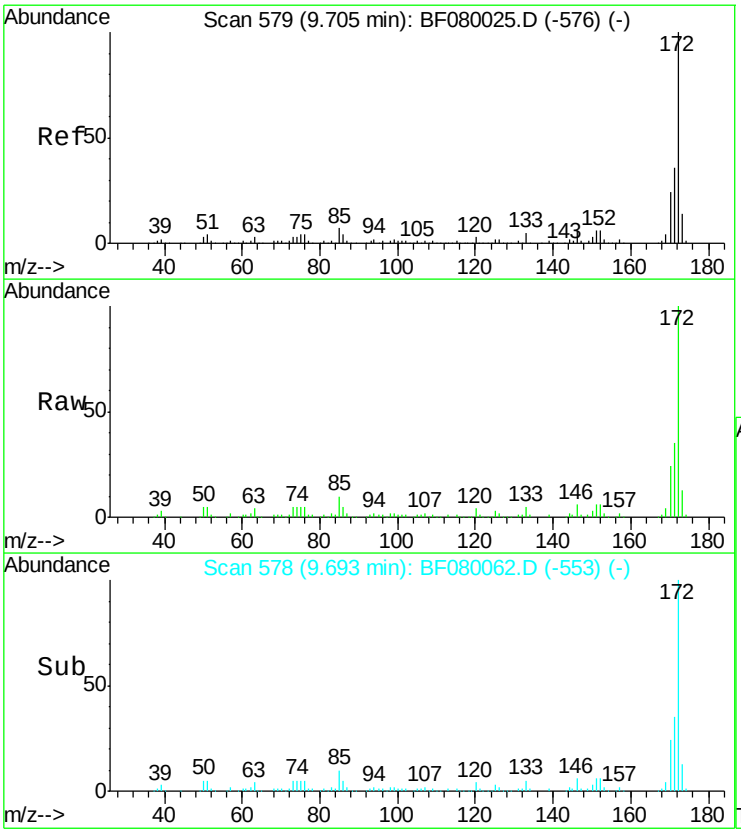

#41
2,4,6-Tribromophenol
Concen: 107.96 ng
RT: 11.19 min Scan# 709
Delta R.T. -0.01 min
Lab File: BF080062.D
Acq: 19 Jun 2015 17:29

**Instrument :**
BNA_F
**ClientSampleId :**
LOD-WATER2015-01

Tgt Ion:330 Resp: 90937

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.6 | 76.6 | 114.8 |
| 141 | 33.3 | 29.7 | 44.5 |

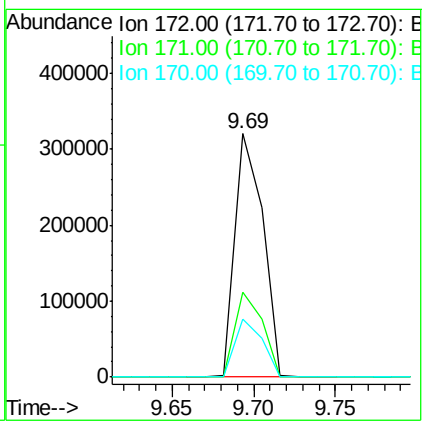


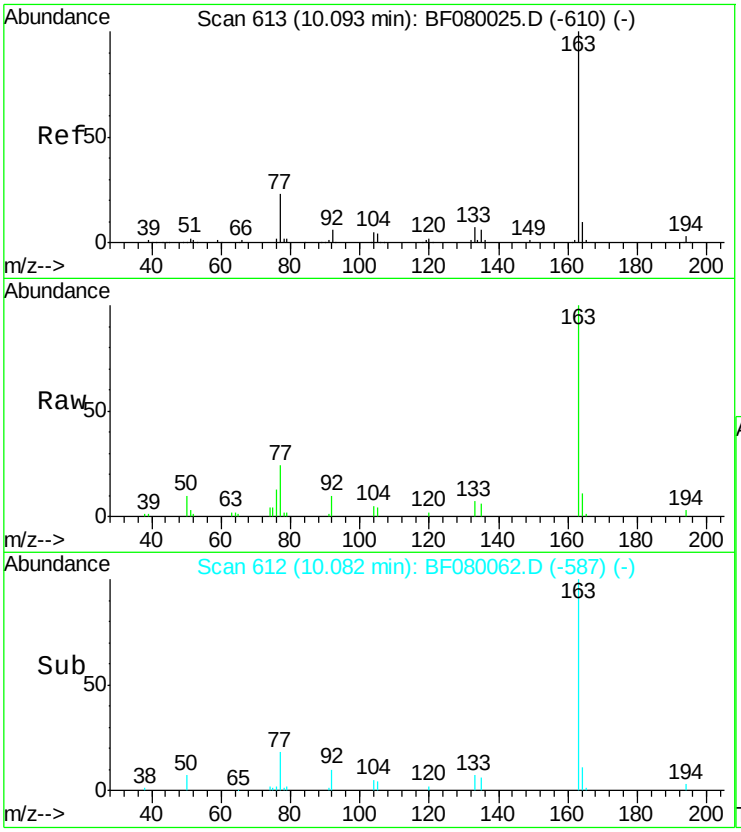




#44
2-Fluorobiphenyl
Concen: 62.22 ng
RT: 9.69 min Scan# 578
Delta R.T. -0.01 min
Lab File: BF080062.D
Acq: 19 Jun 2015 17:29

Tgt Ion:172 Resp: 375826

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.7 | 26.1 | 39.1 |
| 170 | 23.7 | 17.4 | 26.2 |



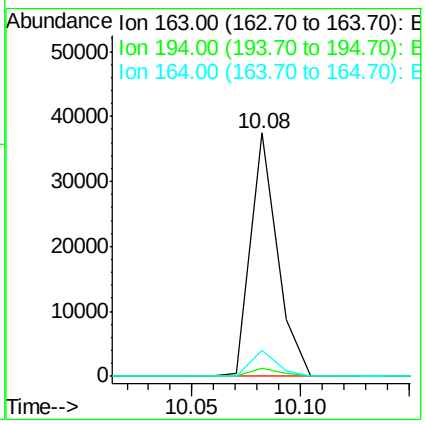


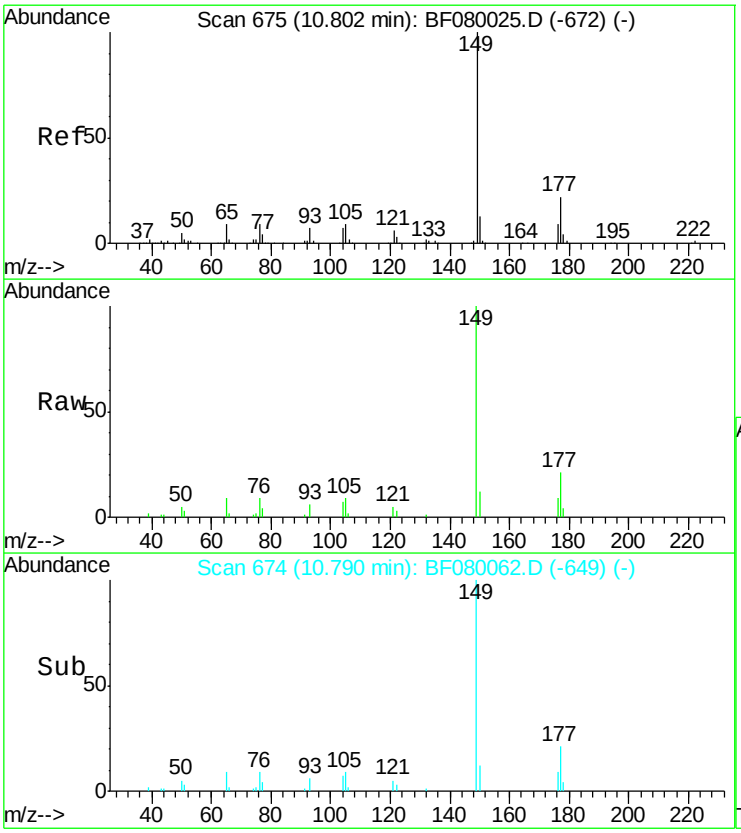

#49
Dimethylphthalate
Concen: 4.93 ng
RT: 10.08 min Scan# 612
Delta R.T. -0.01 min
Lab File: BF080062.D
Acq: 19 Jun 2015 17:29

**Instrument :**
BNA_F
**ClientSampleId :**
LOD-WATER2015-01

Tgt Ion:163 Resp: 31895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.2 | 4.4 | 6.6# |
| 164 | 10.6 | 8.3 | 12.5 |

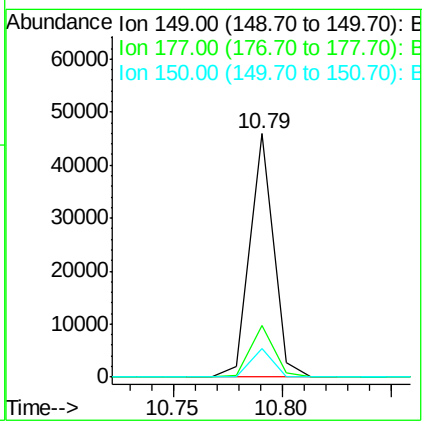


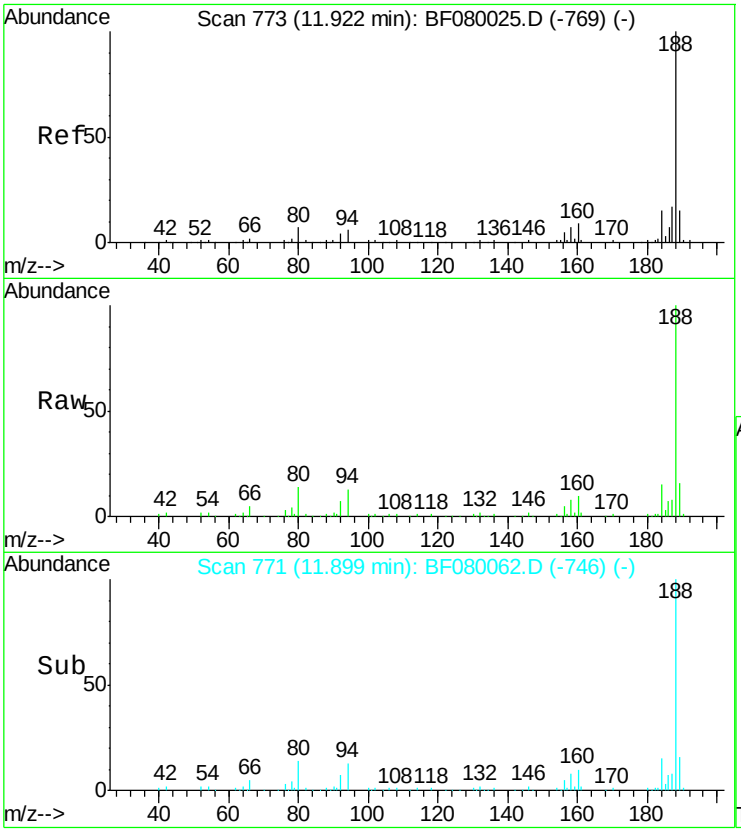




#59
Diethylphthalate
Concen: 5.34 ng
RT: 10.79 min Scan# 674
Delta R.T. -0.01 min
Lab File: BF080062.D
Acq: 19 Jun 2015 17:29

Tgt Ion:149 Resp: 34841

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 21.4 | 17.5 | 26.3 |
| 150 | 11.9 | 9.4 | 14.2 |



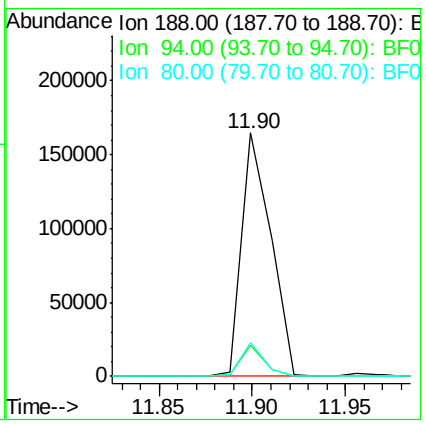


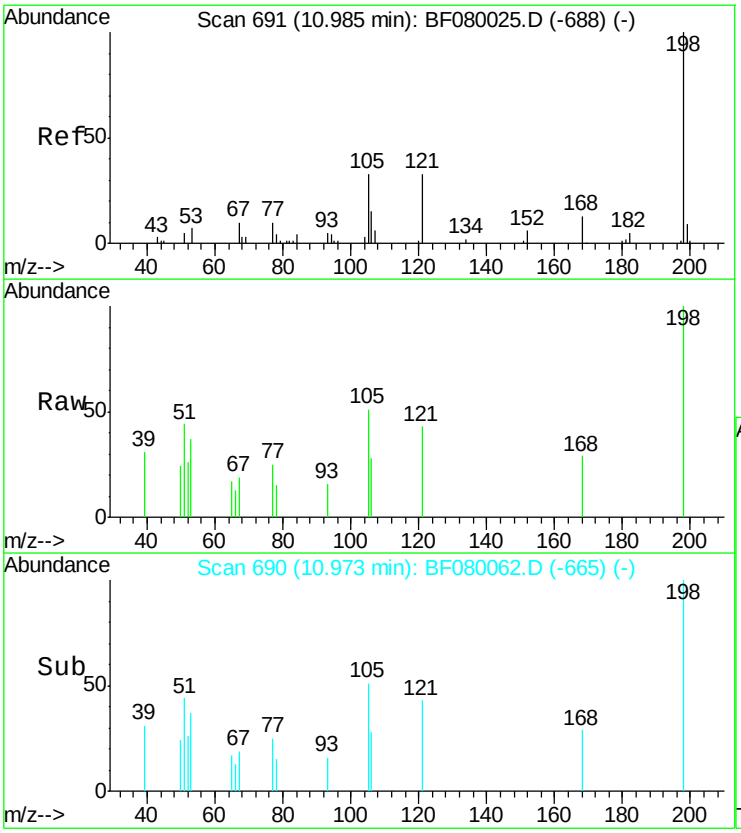

#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.90 min Scan# 771
Delta R.T. -0.01 min
Lab File: BF080062.D
Acq: 19 Jun 2015 17:29

**Instrument :**
BNA_F
**ClientSampleId :**
LOD-WATER2015-01

Tgt Ion:188 Resp: 179502

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 12.7 | 11.1 | 16.7 |
| 80 | 13.7 | 11.0 | 16.4 |

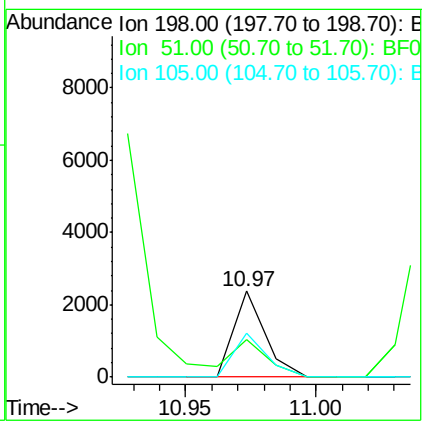


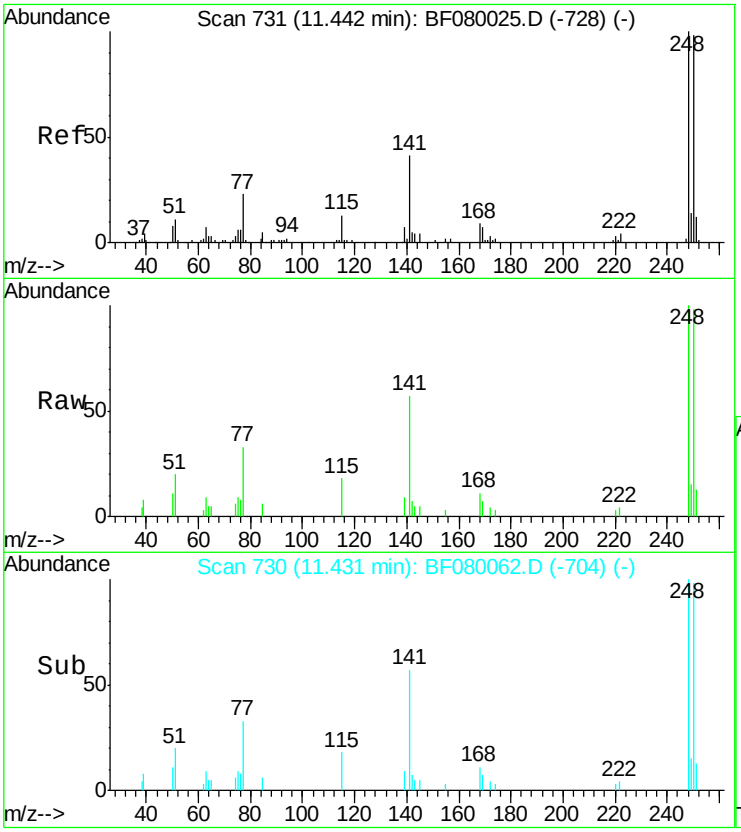




#64
4,6-Dinitro-2-methylphenol
Concen: 6.23 ng
RT: 10.97 min Scan# 690
Delta R.T. -0.01 min
Lab File: BF080062.D
Acq: 19 Jun 2015 17:29

Tgt Ion:198 Resp: 1985

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 43.6 | 39.6 | 79.6 |
| 105 | 50.7 | 28.5 | 68.5 |



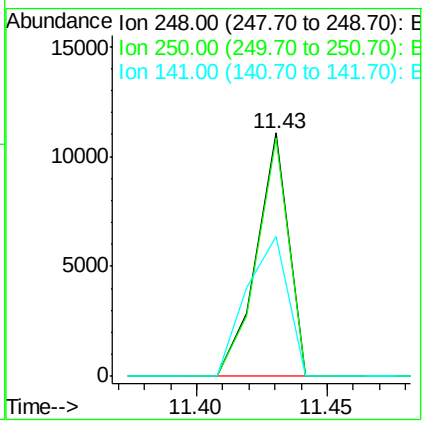


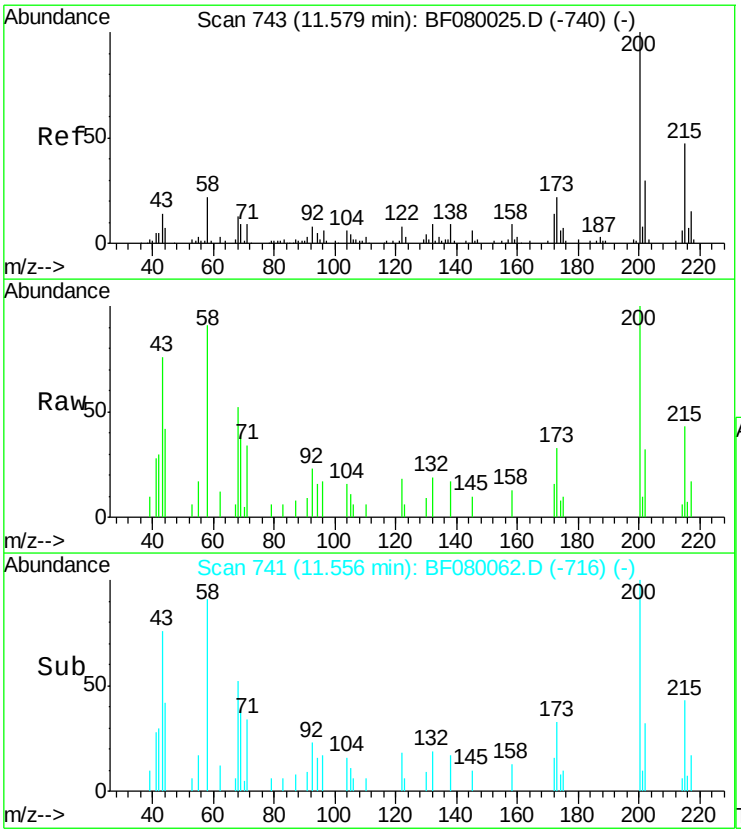

#66
4-Bromophenyl-phenylether
Concen: 5.02 ng
RT: 11.43 min Scan# 730
Delta R.T. 0.00 min
Lab File: BF080062.D
Acq: 19 Jun 2015 17:29

**Instrument :**
BNA_F
**ClientSampleId :**
LOD-WATER2015-01

Tgt Ion:248 Resp: 9577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 97.8 | 78.5 | 117.7 |
| 141 | 57.4 | 59.0 | 88.6# |

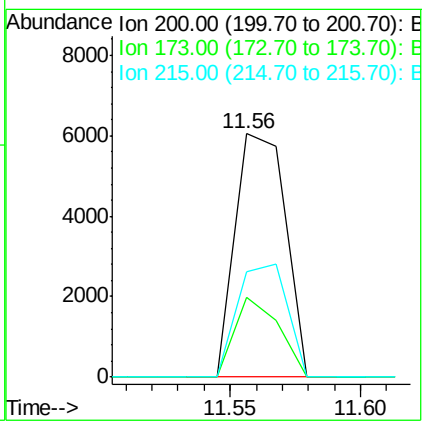


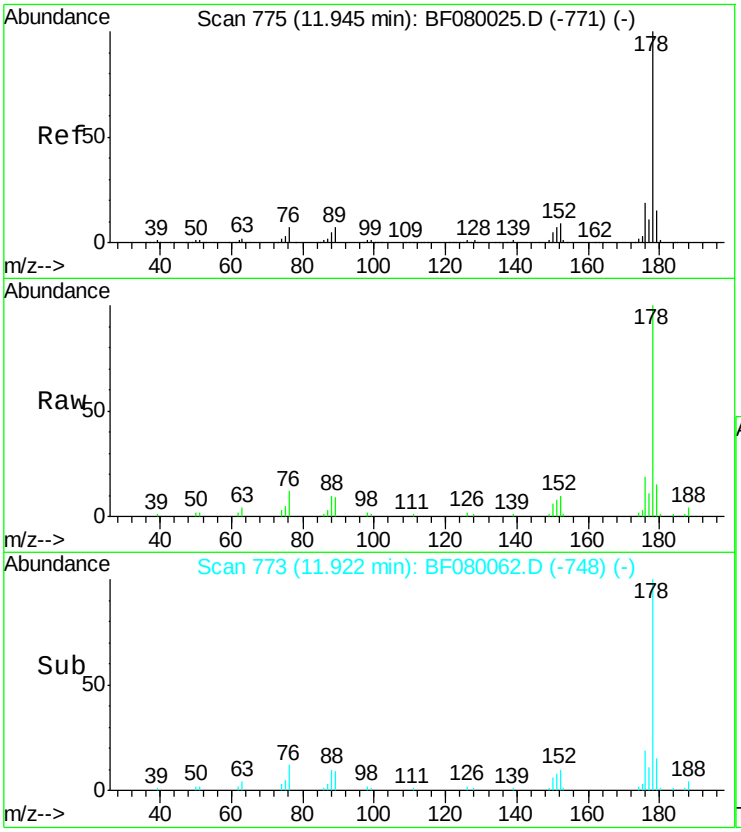




#68
Atrazine
Concen: 4.38 ng
RT: 11.56 min Scan# 741
Delta R.T. -0.01 min
Lab File: BF080062.D
Acq: 19 Jun 2015 17:29

Tgt Ion:200 Resp: 8087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 32.7 | 13.2 | 53.2 |
| 215 | 43.5 | 41.8 | 81.8 |



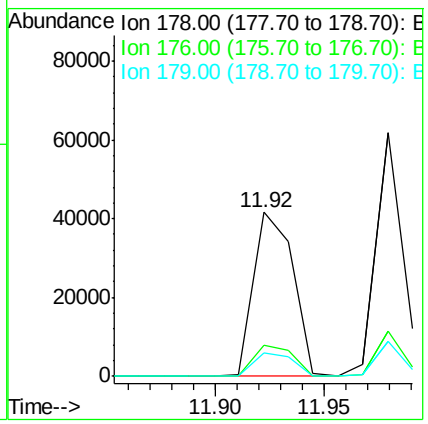


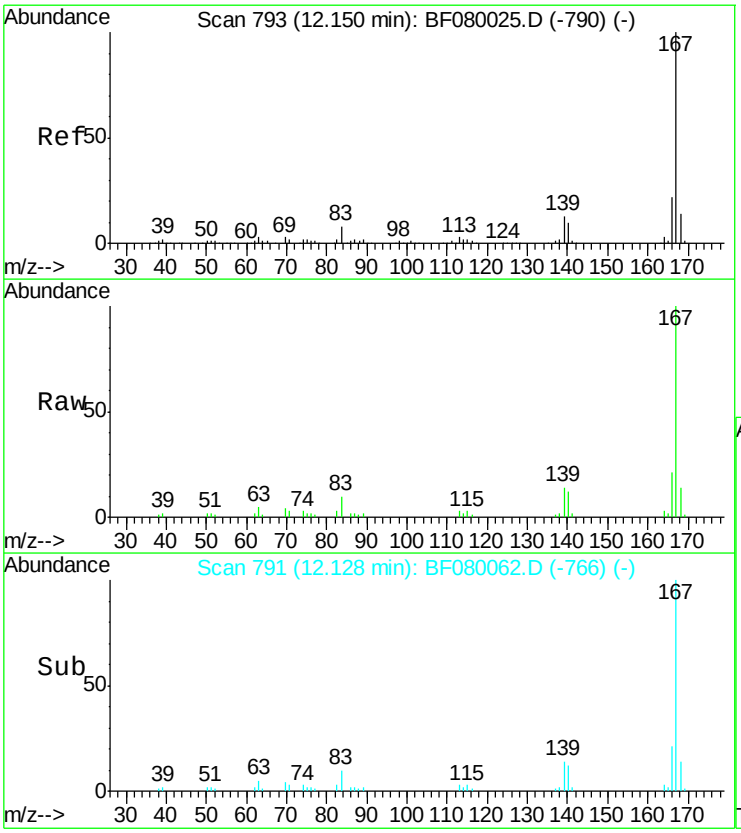

#70
Phenanthrene
Concen: 4.86 ng
RT: 11.92 min Scan# 773
Delta R.T. -0.01 min
Lab File: BF080062.D
Acq: 19 Jun 2015 17:29

**Instrument :**
BNA_F
**ClientSampleId :**
LOD-WATER2015-01

Tgt Ion:178 Resp: 52810

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.3 | 13.8 | 20.8 |
| 179 | 14.6 | 12.2 | 18.2 |

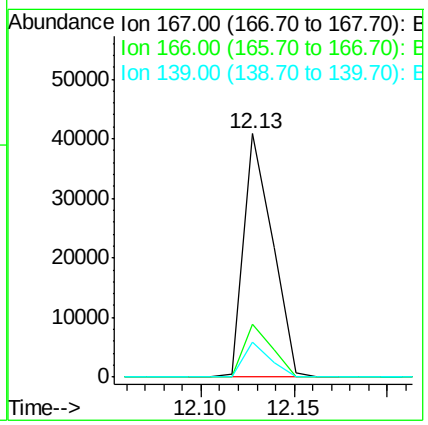


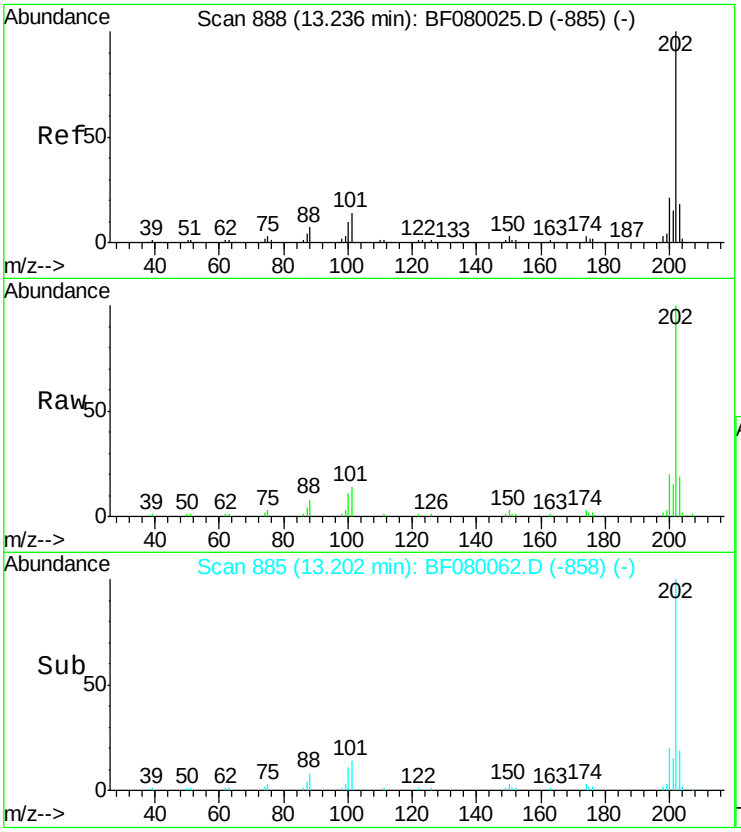




#72
Carbazole
Concen: 4.39 ng
RT: 12.13 min Scan# 791
Delta R.T. -0.01 min
Lab File: BF080062.D
Acq: 19 Jun 2015 17:29

Tgt Ion:167 Resp: 43833

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.5 | 15.7 | 23.5 |
| 139 | 14.3 | 9.5 | 14.3 |



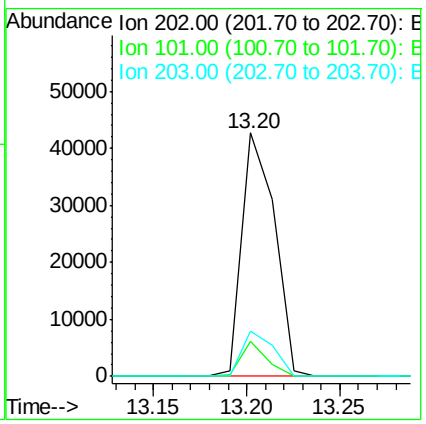


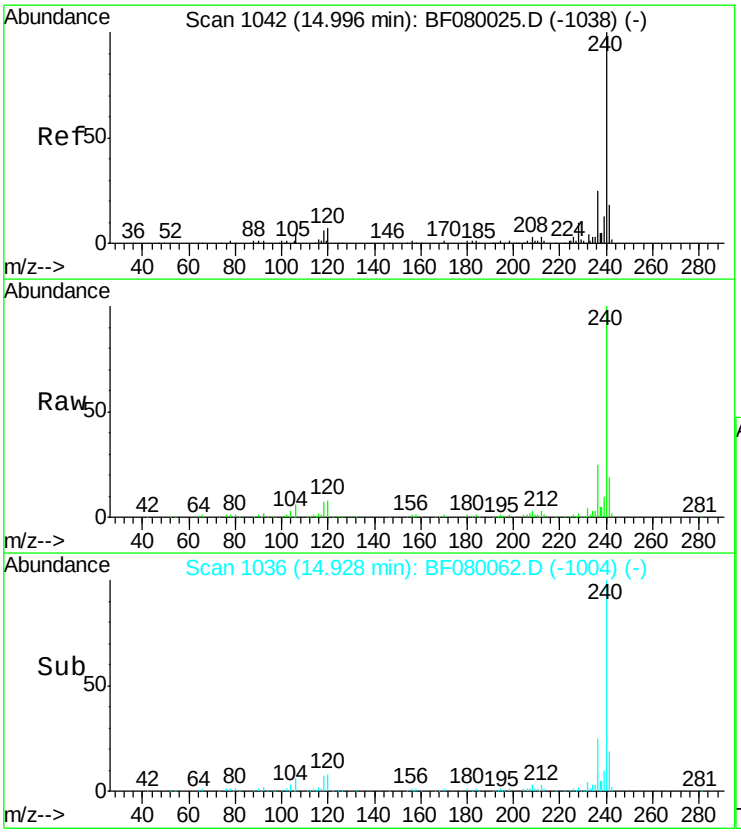

#74
Fluoranthene
Concen: 4.50 ng
RT: 13.20 min Scan# 885
Delta R.T. 0.01 min
Lab File: BF080062.D
Acq: 19 Jun 2015 17:29

**Instrument :**
BNA_F
**ClientSampleId :**
LOD-WATER2015-01

Tgt Ion:202 Resp: 52122

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 14.3 | 0.0 | 38.3 |
| 203 | 18.6 | 0.0 | 37.3 |

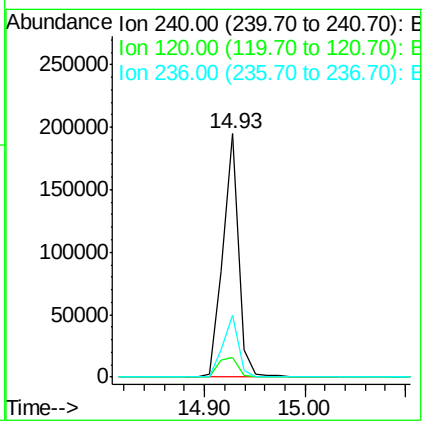


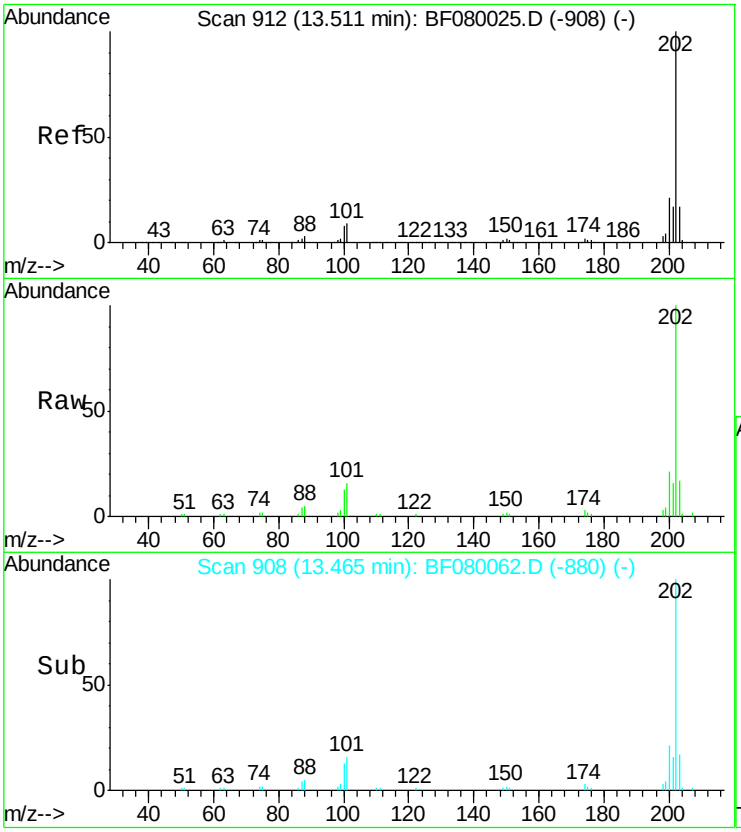




#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.93 min Scan# 1036
Delta R.T. 0.07 min
Lab File: BF080062.D
Acq: 19 Jun 2015 17:29

Tgt Ion:240 Resp: 212437

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.1 | 16.2 | 24.2# |
| 236 | 25.4 | 18.4 | 27.6 |



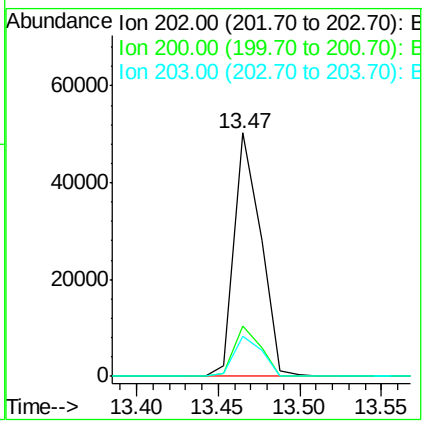


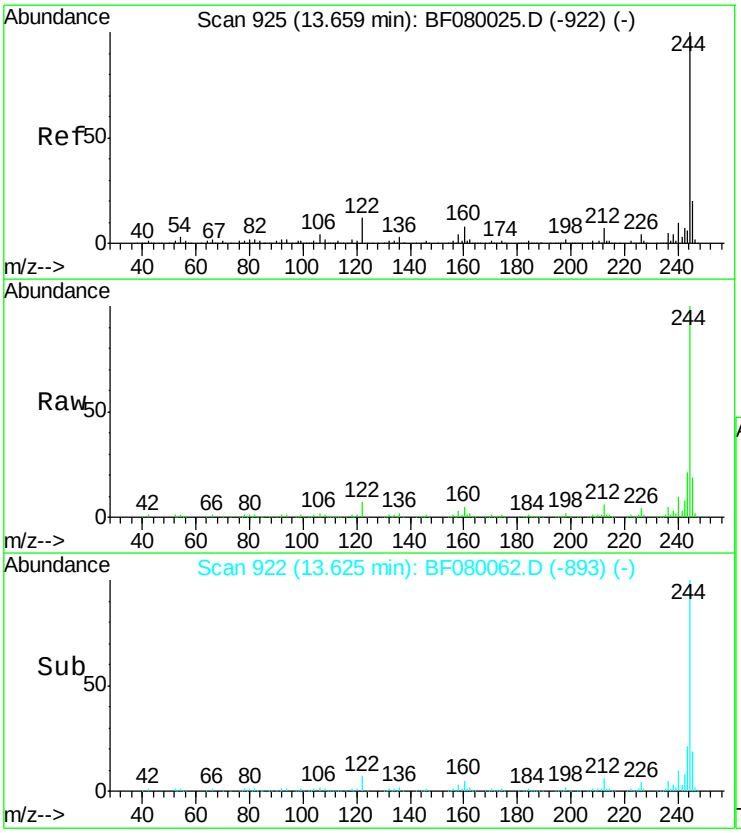

#77
Pyrene
Concen: 4.30 ng
RT: 13.47 min Scan# 908
Delta R.T. 0.02 min
Lab File: BF080062.D
Acq: 19 Jun 2015 17:29

**Instrument :**
BNA_F
**ClientSampleId :**
LOD-WATER2015-01

Tgt Ion:202 Resp: 56235

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.8 | 15.0 | 22.4 |
| 203 | 16.7 | 14.1 | 21.1 |

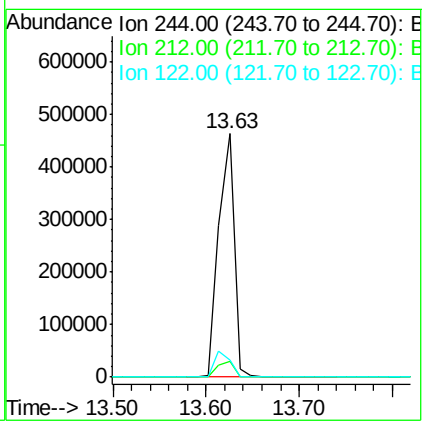


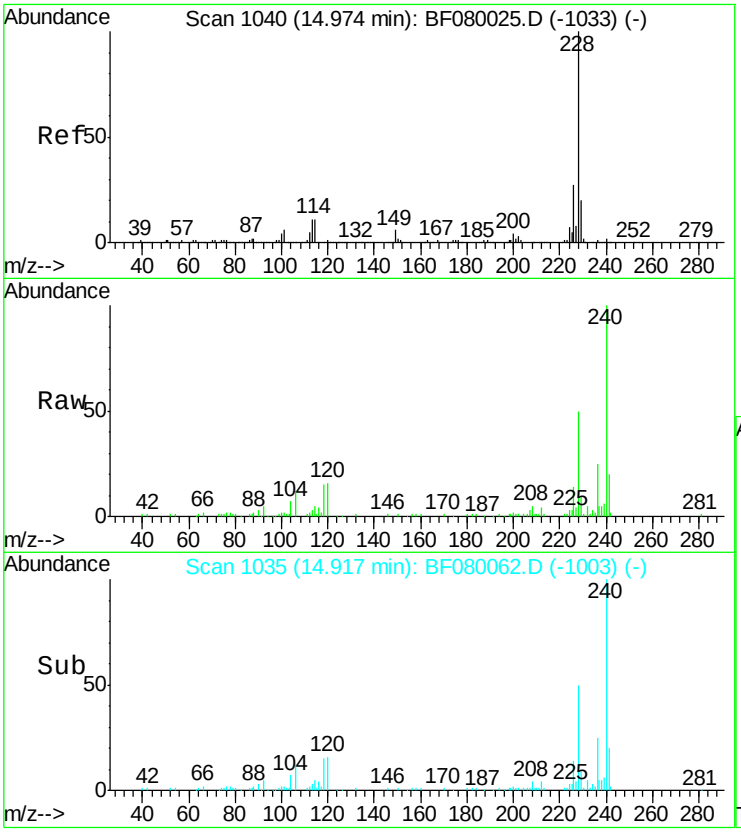




#78
Terphenyl-d14
Concen: 58.56 ng
RT: 13.63 min Scan# 922
Delta R.T. 0.04 min
Lab File: BF080062.D
Acq: 19 Jun 2015 17:29

Tgt Ion:244 Resp: 532667

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.4 | 4.3 | 6.5 |
| 122 | 6.8 | 17.4 | 26.2# |



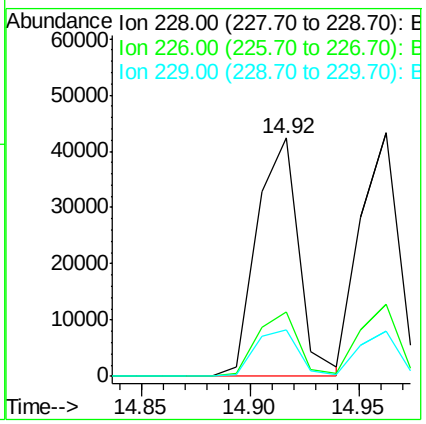


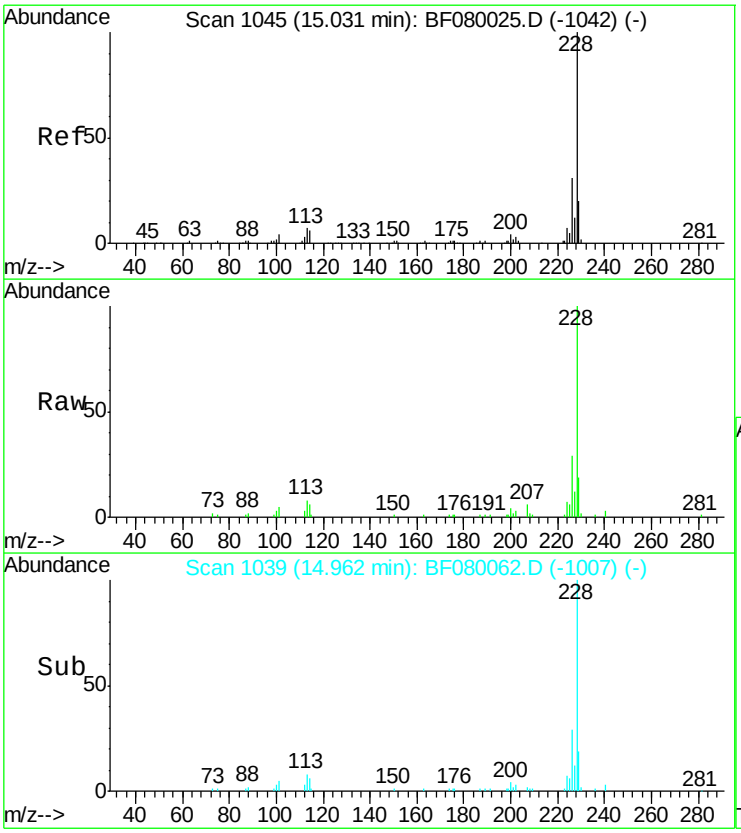

#80
Benzo(a)anthracene
Concen: 4.40 ng
RT: 14.92 min Scan# 1035
Delta R.T. 0.07 min
Lab File: BF080062.D
Acq: 19 Jun 2015 17:29

**Instrument :**
BNA_F
**ClientSampleId :**
LOD-WATER2015-01

Tgt Ion:228 Resp: 56907

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.3 | 20.0 | 30.0 |
| 229 | 19.6 | 15.4 | 23.2 |

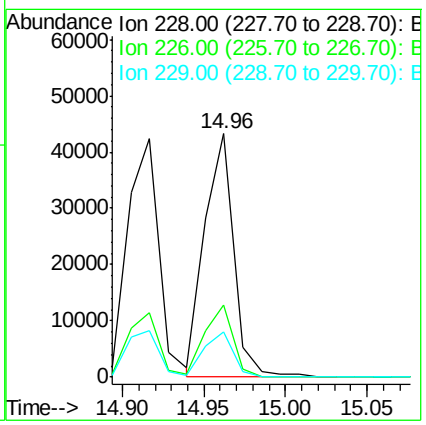


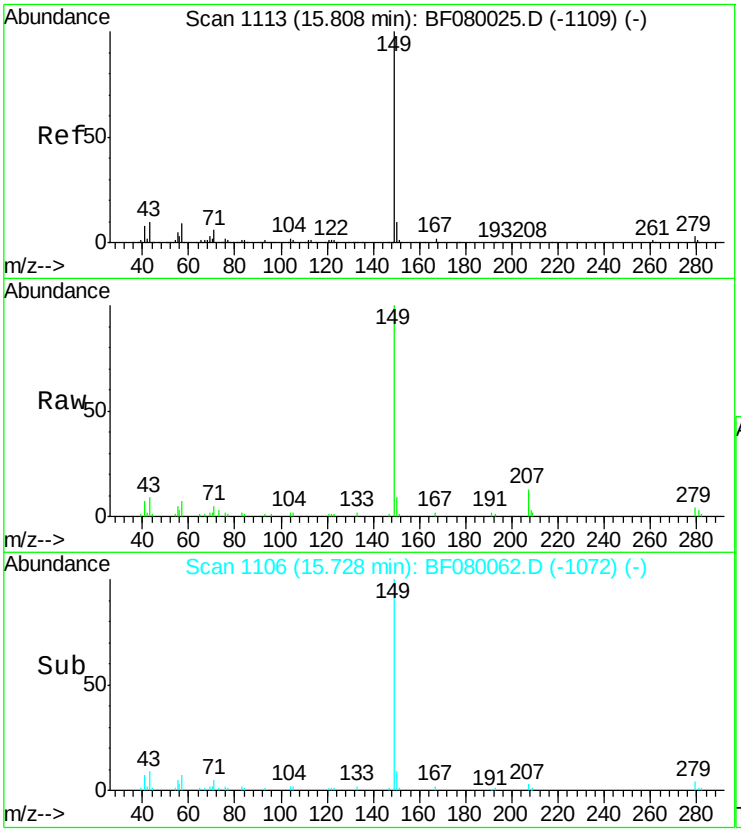




#82
Chrysene
Concen: 4.53 ng
RT: 14.96 min Scan# 1039
Delta R.T. 0.07 min
Lab File: BF080062.D
Acq: 19 Jun 2015 17:29

Tgt Ion:228 Resp: 54044

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.4 | 21.0 | 31.4 |
| 229 | 18.5 | 15.6 | 23.4 |



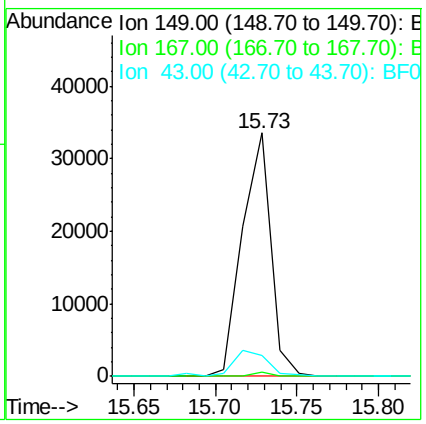


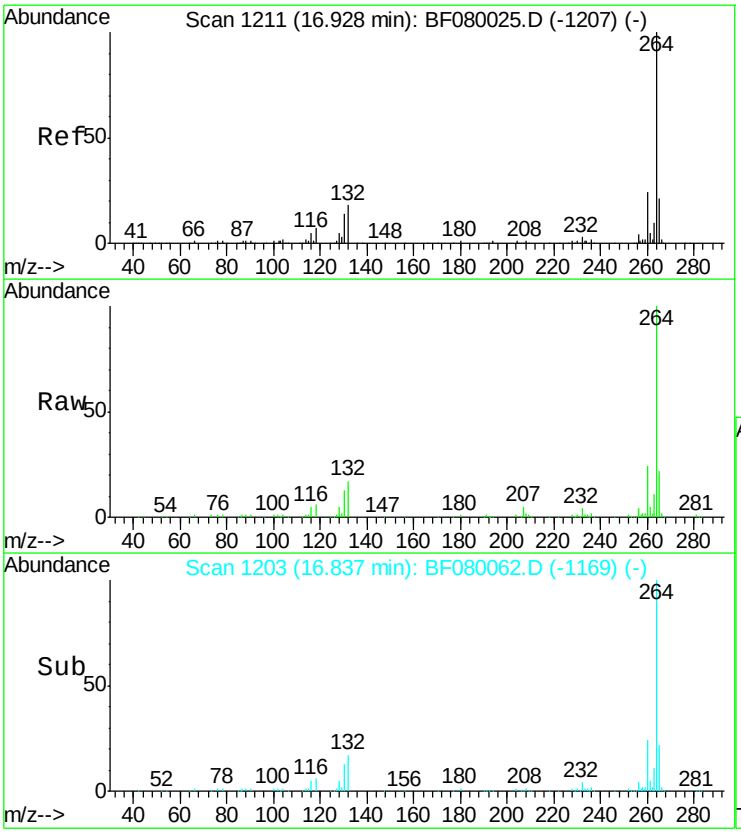

#84
Di-n-octyl phthalate
Concen: 2.85 ng
RT: 15.73 min Scan# 1106
Delta R.T. 0.09 min
Lab File: BF080062.D
Acq: 19 Jun 2015 17:29

**Instrument :**
BNA_F
**ClientSampleId :**
LOD-WATER2015-01

Tgt Ion:149 Resp: 40567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 0.9 | 1.0 | 1.6# |
| 43 | 13.5 | 10.2 | 15.2 |

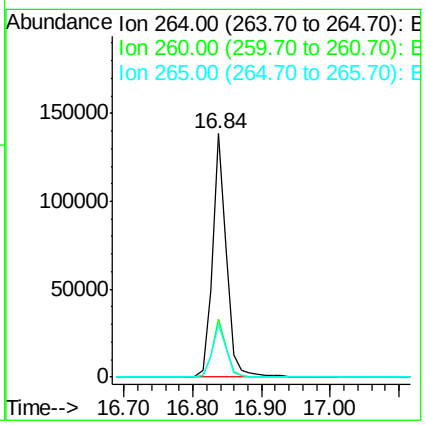


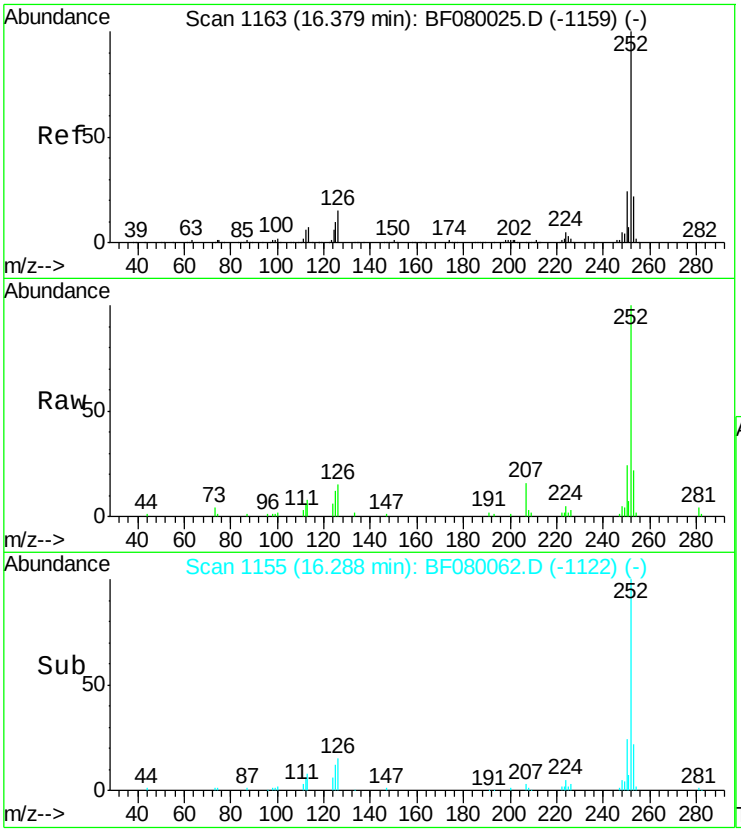




#86
Perylene-d12
Concen: 20.00 ng
RT: 16.84 min Scan# 1203
Delta R.T. 0.09 min
Lab File: BF080062.D
Acq: 19 Jun 2015 17:29

Tgt Ion:264 Resp: 197819

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.8 | 16.7 | 25.1 |
| 265 | 21.5 | 17.2 | 25.8 |



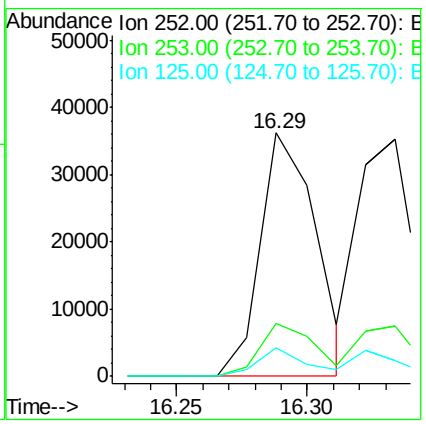


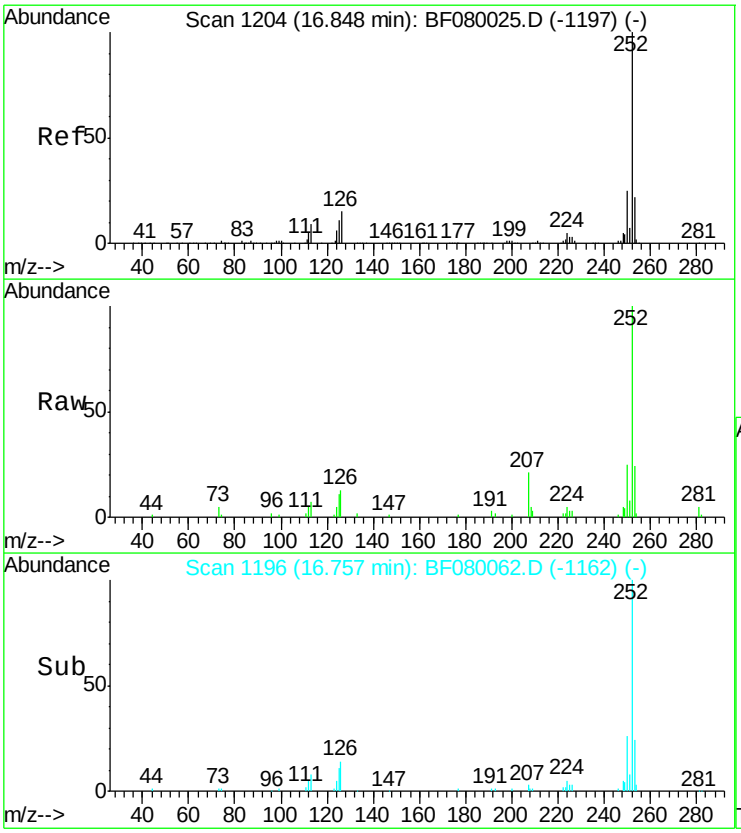

#87
Benzo(b)fluoranthene
Concen: 4.47 ng
RT: 16.29 min Scan# 1155
Delta R.T. 0.08 min
Lab File: BF080062.D
Acq: 19 Jun 2015 17:29

**Instrument :**
BNA_F
**ClientSampleId :**
LOD-WATER2015-01

Tgt Ion:252 Resp: 53525

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.5 | 26.3 |
| 125 | 11.9 | 17.1 | 25.7# |

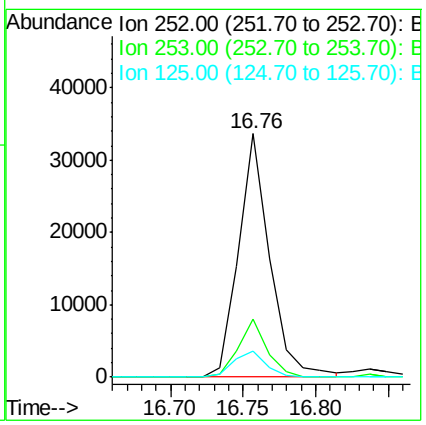


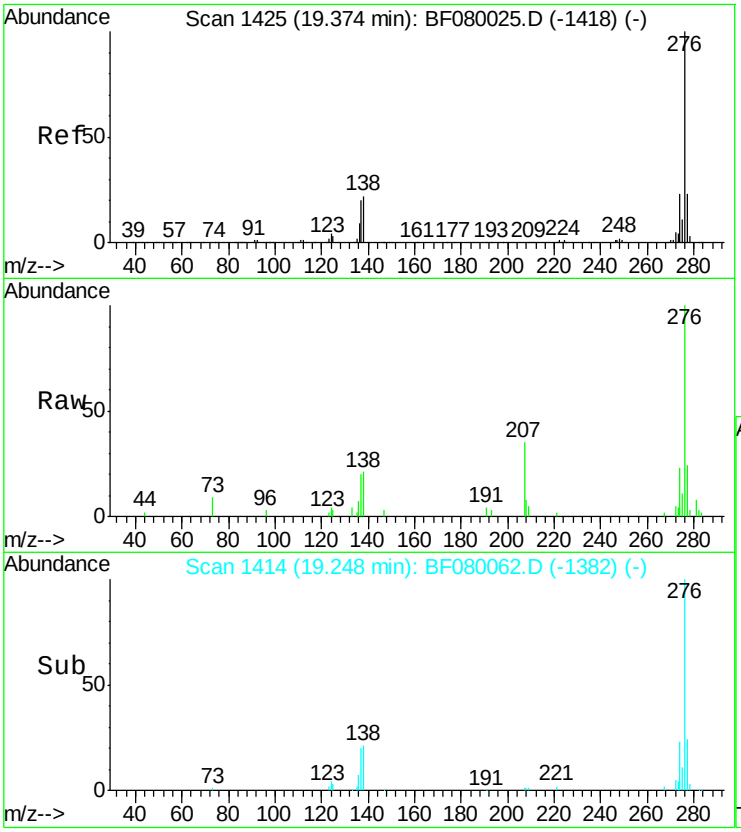




#89
Benzo(a)pyrene
Concen: 4.41 ng
RT: 16.76 min Scan# 1196
Delta R.T. 0.09 min
Lab File: BF080062.D
Acq: 19 Jun 2015 17:29

Tgt Ion:252 Resp: 50164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.6 | 17.2 | 25.8 |
| 125 | 10.8 | 18.0 | 27.0# |






#91
Benzo(g,h,i)perylene
Concen: 4.25 ng
RT: 19.25 min Scan# 1414
Delta R.T. 0.07 min
Lab File: BF080062.D
Acq: 19 Jun 2015 17:29

**Instrument :**
BNA_F
**ClientSampleId :**
LOD-WATER2015-01

Tgt Ion:276 Resp: 49940

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.8 | 17.8 | 26.6 |
| 138 | 21.1 | 34.6 | 51.8# |