Quantitation Report (QT Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG021116\
Data File : BG020869.D
Acq On : 11 Feb 2016 23:23
Operator : SJ/UM
Sample : G4825-05
Misc : LOD 5PPM
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** LOD-WATER2016-01

Quant Time: Feb 12 05:18:45 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 11 15:26:53 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.27 | 152 | 19127 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 11.09 | 136 | 95322 | 20.00 | ng | 0.00 |
| 38) Acenaphthene-d10 | 14.88 | 164 | 61265 | 20.00 | ng | 0.00 |
| 63) Phenanthrene-d10 | 17.62 | 188 | 133746 | 20.00 | ng | 0.00 |
| 75) Chrysene-d12 | 21.90 | 240 | 127436 | 20.00 | ng | 0.00 |
| 86) Perylene-d12 | 25.28 | 264 | 118717 | 20.00 | ng | -0.01 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.80 | 112 | 158109 | 139.21 | ng | 0.00 |
| 7) Phenol-d6 | 7.41 | 99 | 219819 | 132.42 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.44 | 82 | 119646 | 82.53 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.36 | 330 | 83004 | 137.77 | ng | 0.00 |
| 44) 2-Fluorobiphenyl | 13.51 | 172 | 338595 | 77.63 | ng | 0.00 |
| 78) Terphenyl-d14 | 20.20 | 244 | 470830 | 86.19 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 32) Benzoic acid | 10.29 | 122 | 1370 | 1.12 | ng | 91 |
| 64) 4,6-Dinitro-2-methylphenol | 15.98 | 198 | 1108 | 6.96 | ng | 85 |
| 76) Benzidine | 19.82 | 184 | 2592 | 0.63 | ng | 97 |

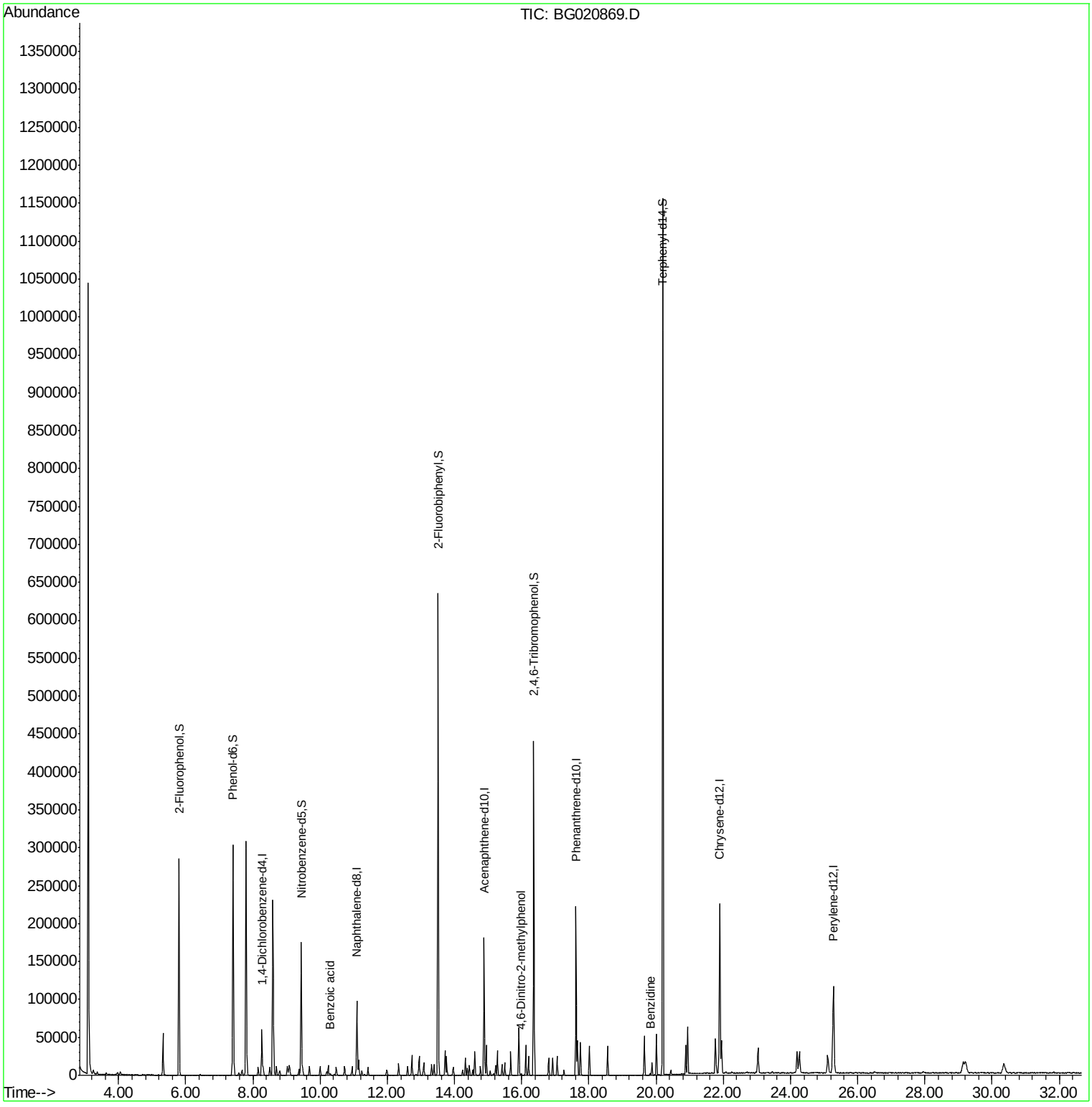
(#) = qualifier out of range (m) = manual integration (+) = signals summed

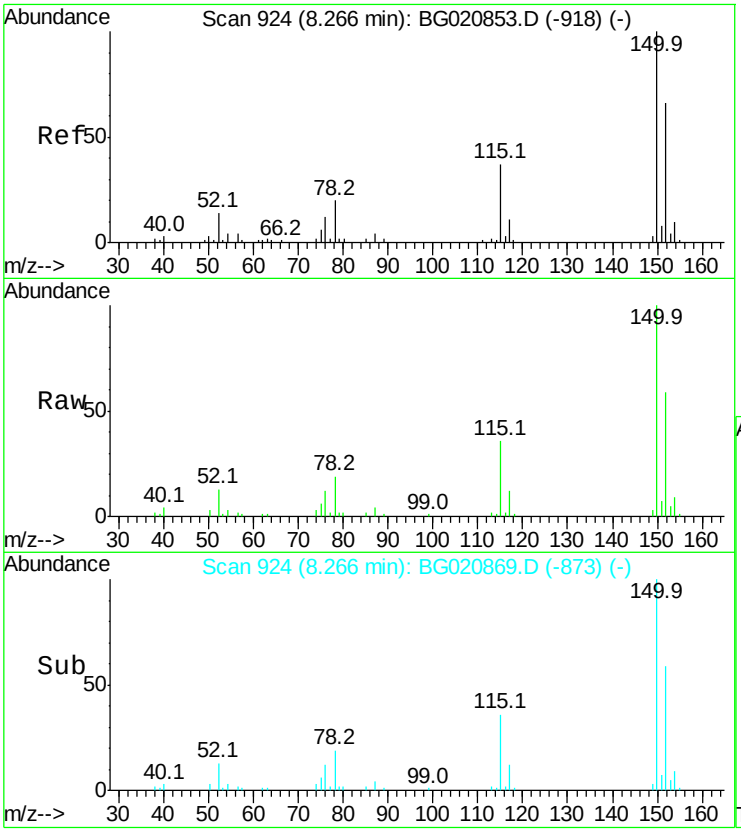
Quantitation Report (QT Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG021116\
Data File : BG020869.D
Acq On : 11 Feb 2016 23:23
Operator : SJ/UM
Sample : G4825-05
Misc : LOD 5PPM
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
LOD-WATER2016-01

Quant Time: Feb 12 05:18:45 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 11 15:26:53 2016
Response via : Initial Calibration



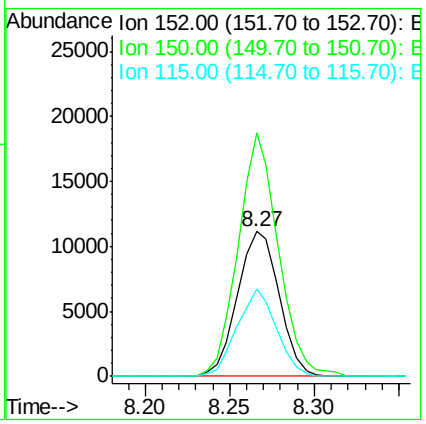


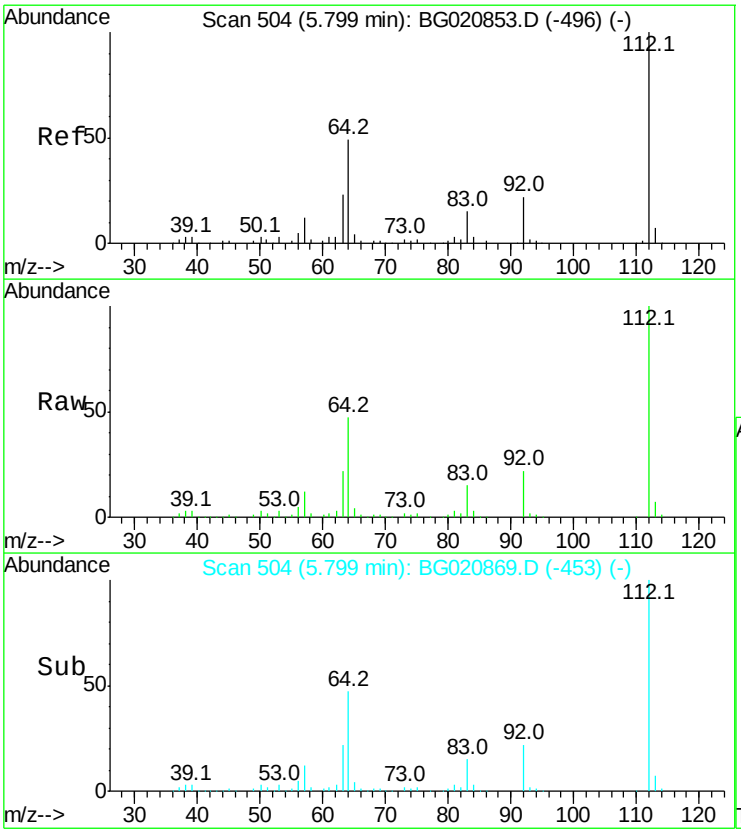

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.27 min Scan# 924
Delta R.T. -0.00 min
Lab File: BG020869.D
Acq: 11 Feb 2016 23:23

**Instrument :**
BNA_G
**ClientSampleId :**
LOD-WATER2016-01

Tgt Ion:152 Resp: 19127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 168.2 | 122.0 | 183.0 |
| 115 | 60.8 | 45.2 | 67.8 |

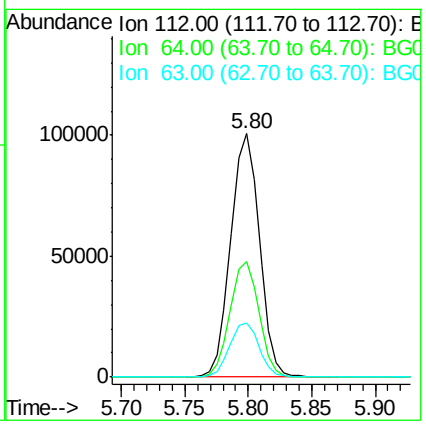


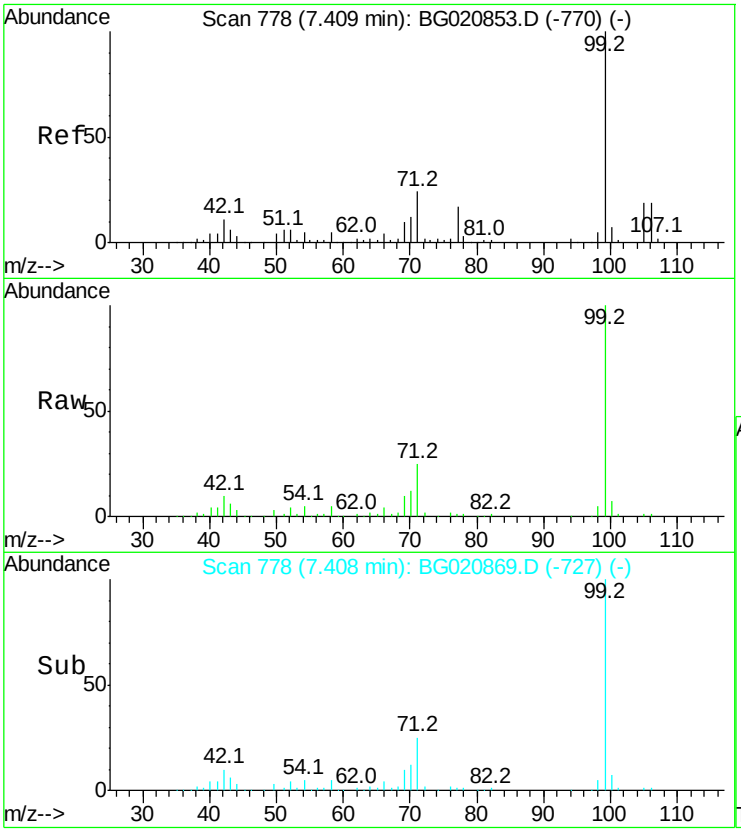




#5
2-Fluorophenol
Concen: 139.21 ng
RT: 5.80 min Scan# 504
Delta R.T. -0.00 min
Lab File: BG020869.D
Acq: 11 Feb 2016 23:23

Tgt Ion:112 Resp: 158109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 47.2 | 39.3 | 58.9 |
| 63 | 22.2 | 18.2 | 27.4 |



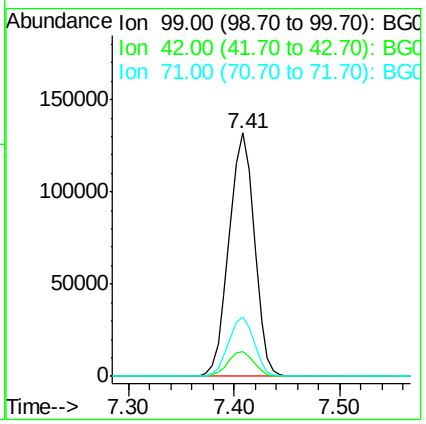


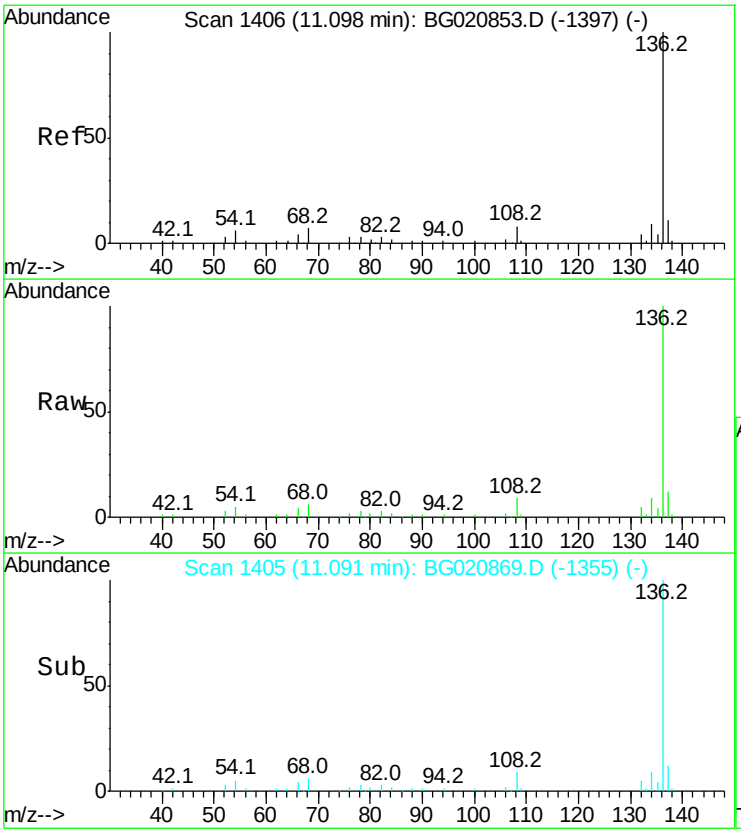

#7
Phenol-d6
Concen: 132.42 ng
RT: 7.41 min Scan# 778
Delta R.T. -0.00 min
Lab File: BG020869.D
Acq: 11 Feb 2016 23:23

**Instrument :**
BNA_G
**ClientSampleId :**
LOD-WATER2016-01

Tgt Ion: 99 Resp: 219819

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 10.2 | 8.4 | 12.6 |
| 71 | 24.5 | 19.4 | 29.0 |

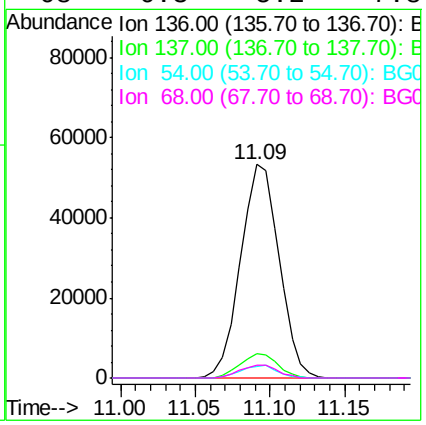


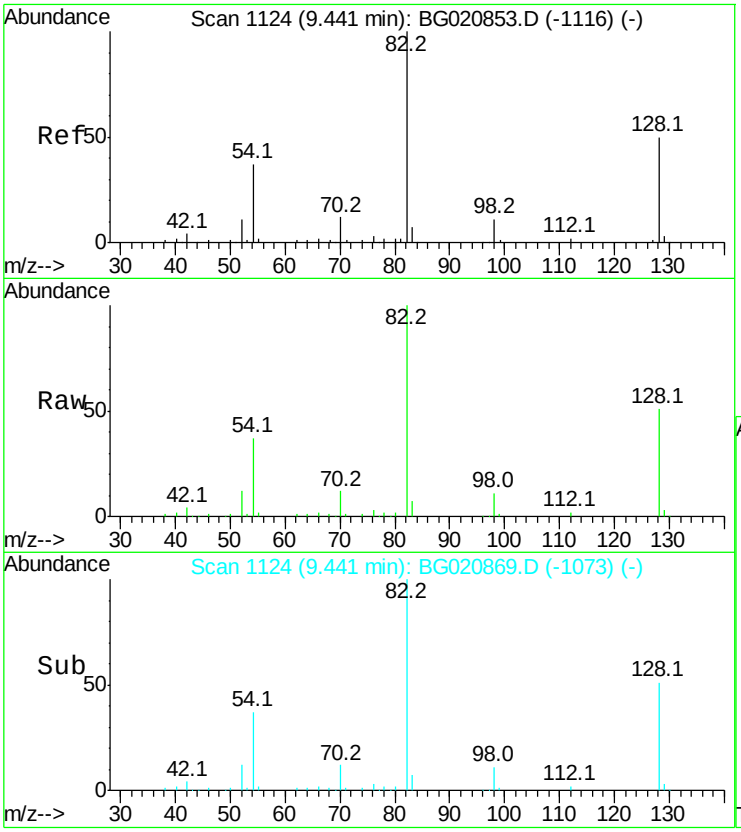




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.09 min Scan# 1405
Delta R.T. -0.01 min
Lab File: BG020869.D
Acq: 11 Feb 2016 23:23

Tgt Ion:136 Resp: 95322

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.6 | 8.8 | 13.2 |
| 54 | 5.5 | 5.0 | 7.4 |
| 68 | 6.3 | 5.2 | 7.8 |



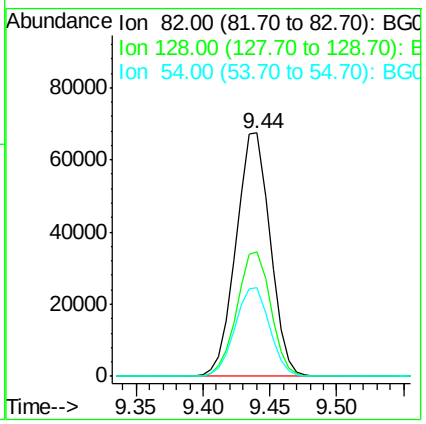


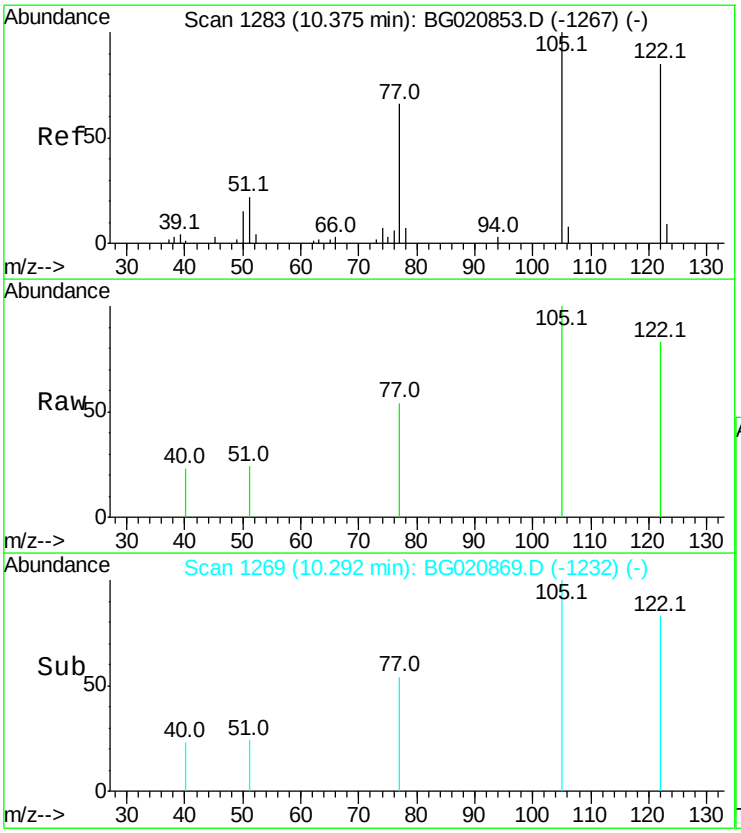

#23
Nitrobenzene-d5
Concen: 82.53 ng
RT: 9.44 min Scan# 1124
Delta R.T. -0.00 min
Lab File: BG020869.D
Acq: 11 Feb 2016 23:23

**Instrument :**
BNA_G
**ClientSampleId :**
LOD-WATER2016-01

Tgt Ion: 82 Resp: 119646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 51.2 | 40.1 | 60.1 |
| 54 | 36.7 | 29.5 | 44.3 |

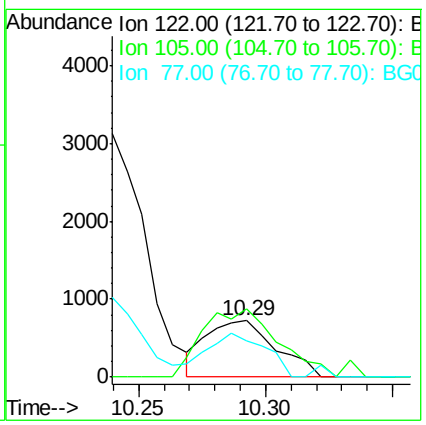


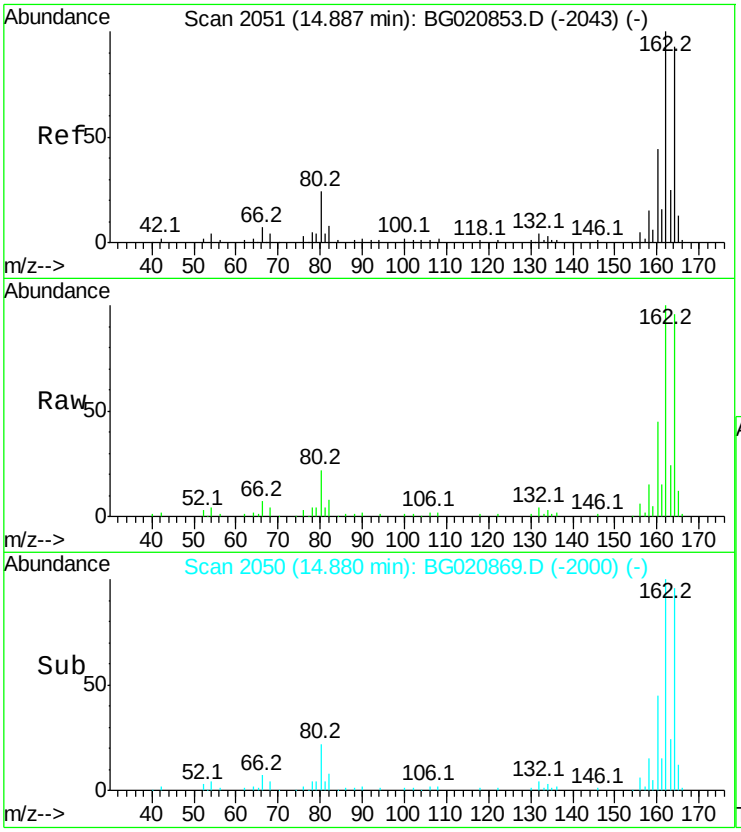




#32
Benzoic acid
Concen: 1.12 ng
RT: 10.29 min Scan# 1269
Delta R.T. -0.08 min
Lab File: BG020869.D
Acq: 11 Feb 2016 23:23

Tgt Ion:122 Resp: 1370

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 120.7 | 94.0 | 134.0 |
| 77 | 64.6 | 56.8 | 96.8 |



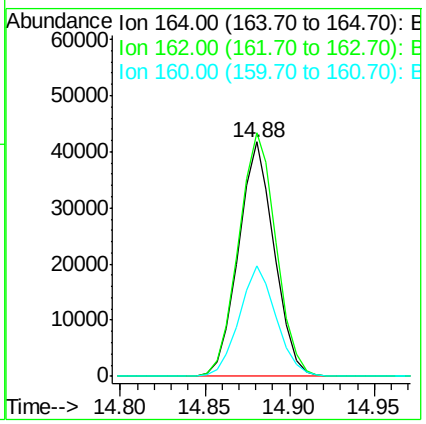


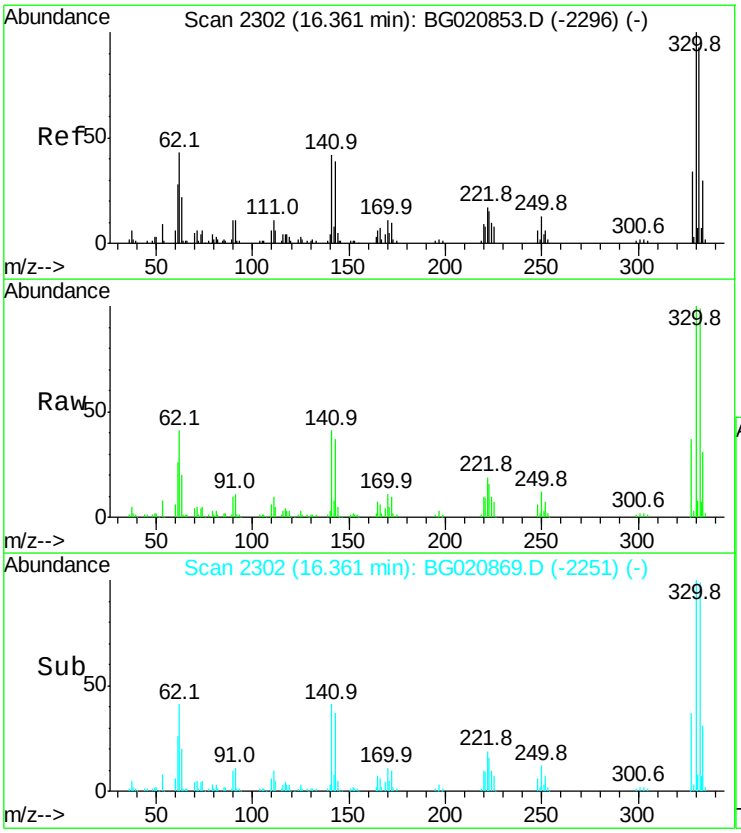

#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.88 min Scan# 2050
Delta R.T. -0.01 min
Lab File: BG020869.D
Acq: 11 Feb 2016 23:23

**Instrument :**
BNA_G
**ClientSampleId :**
LOD-WATER2016-01

Tgt Ion:164 Resp: 61265

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 103.9 | 85.7 | 128.5 |
| 160 | 47.1 | 37.4 | 56.0 |

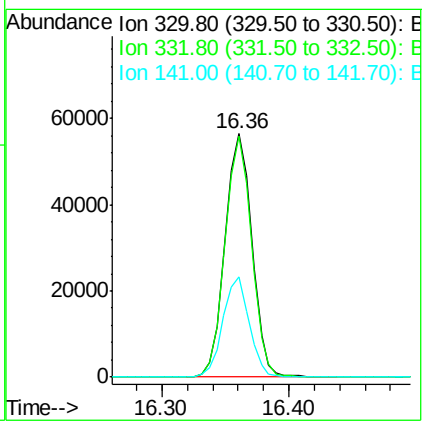


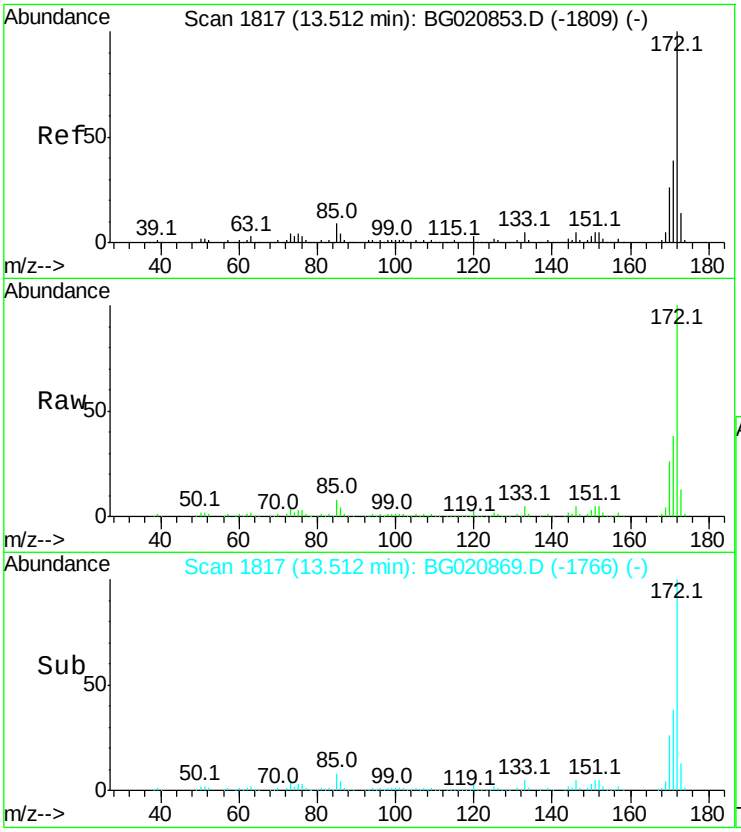




#41
2,4,6-Tribromophenol
Concen: 137.77 ng
RT: 16.36 min Scan# 2302
Delta R.T. -0.00 min
Lab File: BG020869.D
Acq: 11 Feb 2016 23:23

Tgt Ion:330 Resp: 83004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.4 | 76.1 | 114.1 |
| 141 | 39.9 | 32.0 | 48.0 |



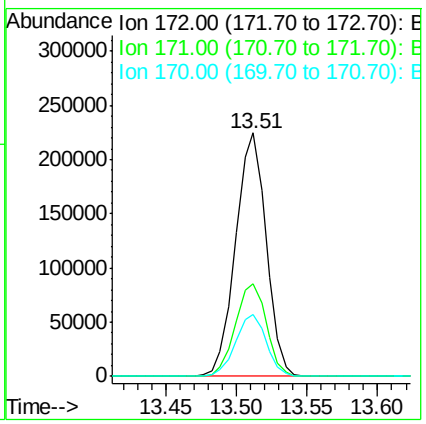


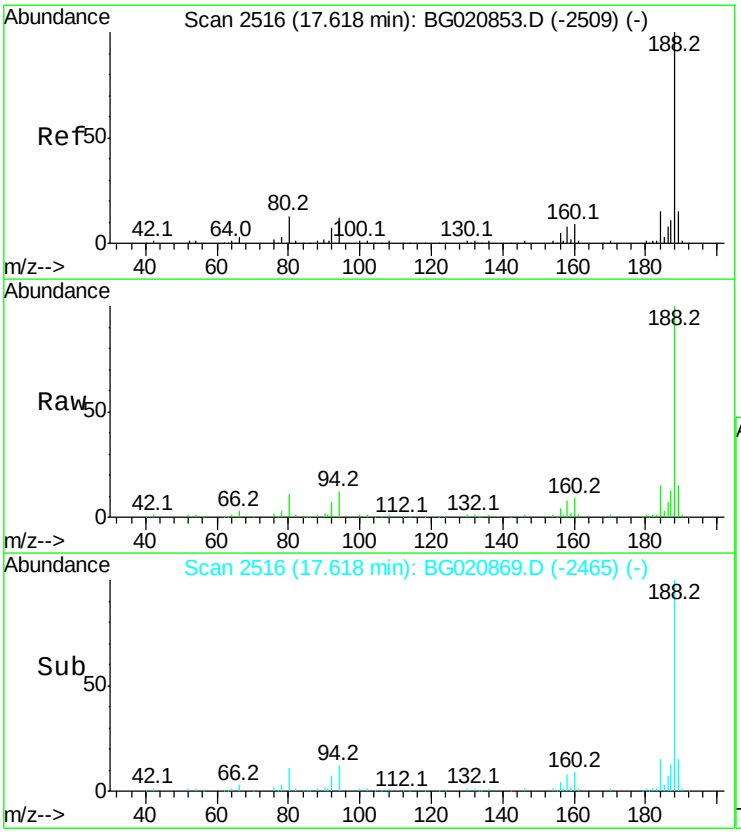

#44
2-Fluorobiphenyl
Concen: 77.63 ng
RT: 13.51 min Scan# 1817
Delta R.T. -0.00 min
Lab File: BG020869.D
Acq: 11 Feb 2016 23:23

**Instrument :**
BNA_G
**ClientSampleId :**
LOD-WATER2016-01

Tgt Ion:172 Resp: 338595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 38.1 | 31.2 | 46.8 |
| 170 | 25.6 | 20.6 | 30.8 |

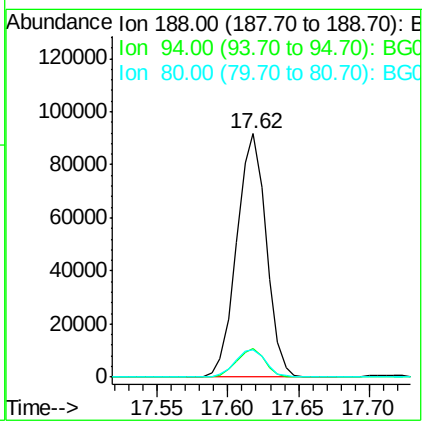


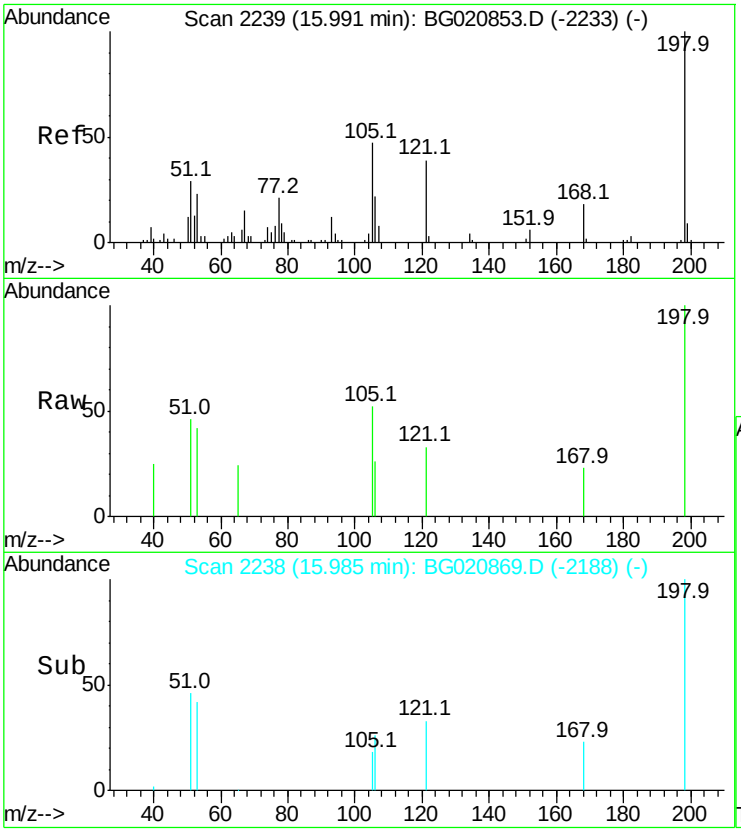




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.62 min Scan# 2516
Delta R.T. -0.00 min
Lab File: BG020869.D
Acq: 11 Feb 2016 23:23

Tgt Ion:188 Resp: 133746

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 11.6 | 9.4 | 14.0 |
| 80 | 11.2 | 10.2 | 15.4 |



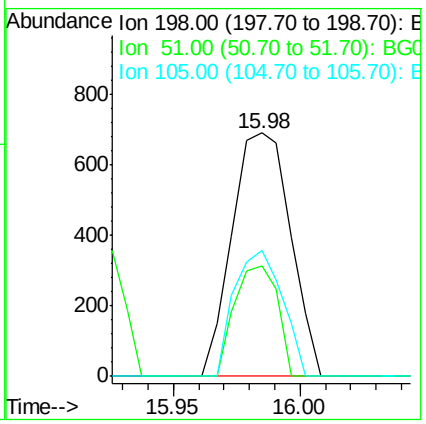


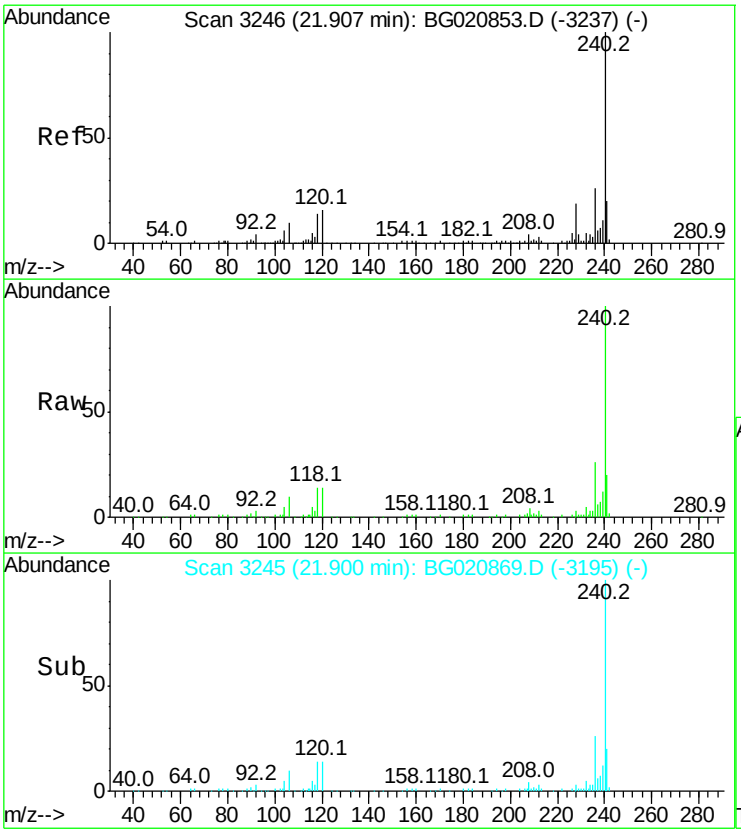

#64
4,6-Dinitro-2-methylphenol
Concen: 6.96 ng
RT: 15.98 min Scan# 2238
Delta R.T. -0.01 min
Lab File: BG020869.D
Acq: 11 Feb 2016 23:23

**Instrument :**
BNA_G
**ClientSampleId :**
LOD-WATER2016-01

Tgt Ion:198 Resp: 1108

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 45.5 | 10.6 | 50.6 |
| 105 | 51.7 | 27.0 | 67.0 |

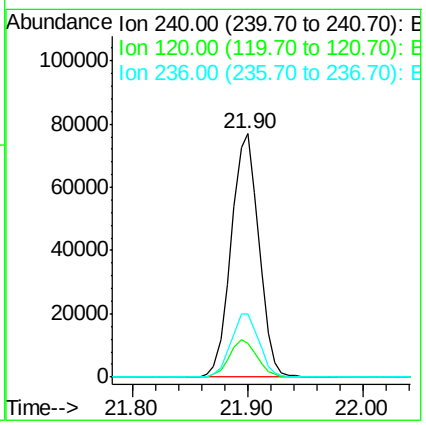


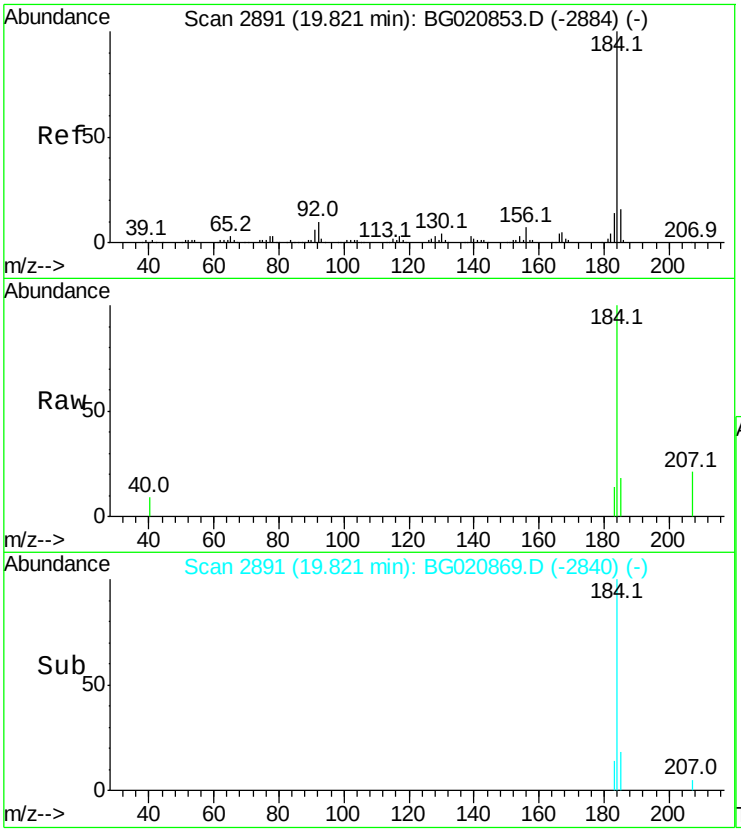




#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.90 min Scan# 3245
Delta R.T. -0.01 min
Lab File: BG020869.D
Acq: 11 Feb 2016 23:23

Tgt Ion:240 Resp: 127436

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 13.8 | 13.0 | 19.4 |
| 236 | 26.0 | 21.0 | 31.4 |



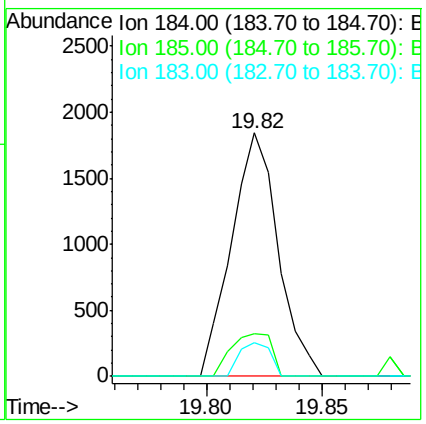


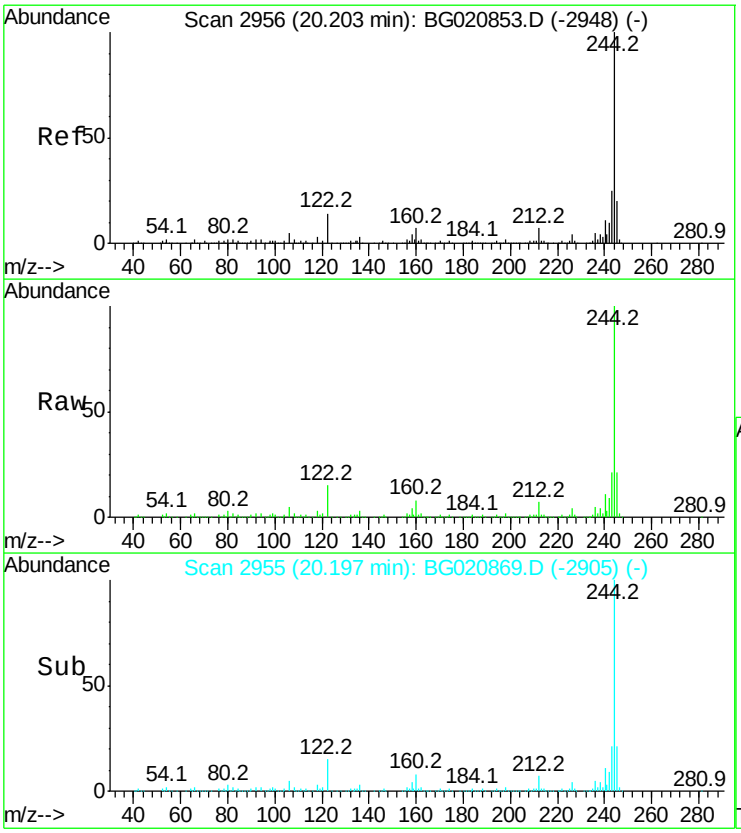

#76
Benzidine
Concen: 0.63 ng
RT: 19.82 min Scan# 2891
Delta R.T. -0.00 min
Lab File: BG020869.D
Acq: 11 Feb 2016 23:23

**Instrument :**
BNA_G
**ClientSampleId :**
LOD-WATER2016-01

Tgt Ion:184 Resp: 2592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 17.8 | 12.6 | 19.0 |
| 183 | 13.9 | 11.0 | 16.4 |

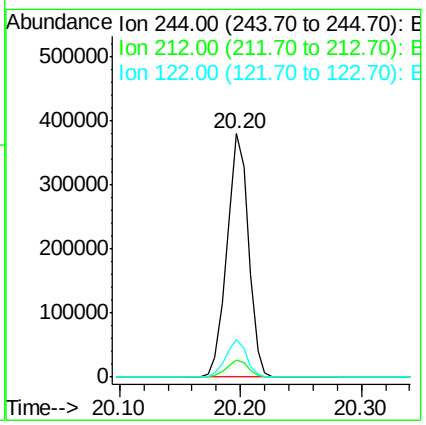


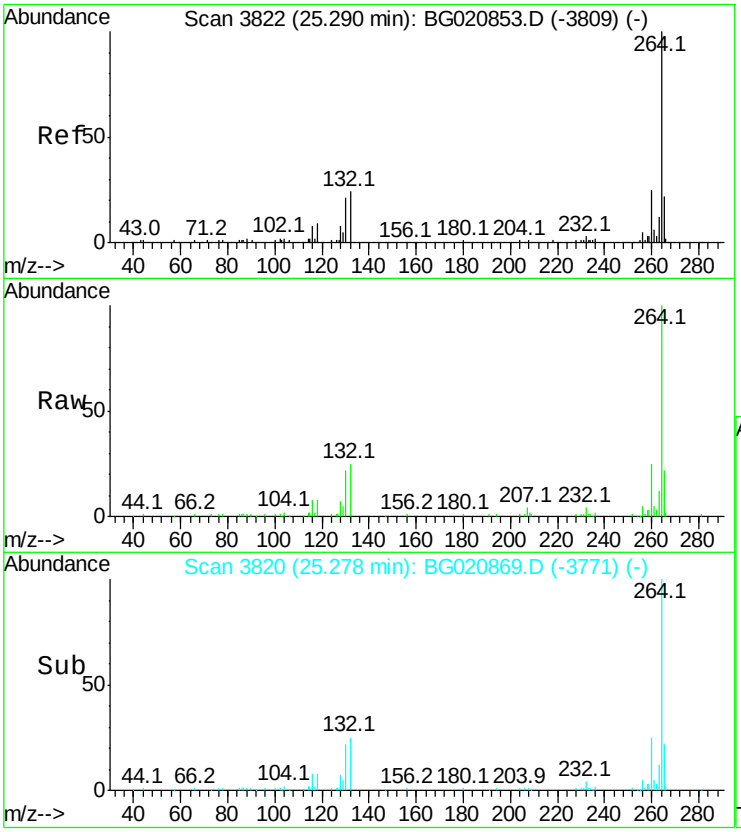




#78
Terphenyl-d14
Concen: 86.19 ng
RT: 20.20 min Scan# 2955
Delta R.T. -0.01 min
Lab File: BG020869.D
Acq: 11 Feb 2016 23:23

Tgt Ion:244 Resp: 470830

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.0 | 5.5 | 8.3 |
| 122 | 15.3 | 11.4 | 17.2 |






#86
Perylene-d12
Concen: 20.00 ng
RT: 25.28 min Scan# 3820
Delta R.T. -0.01 min
Lab File: BG020869.D
Acq: 11 Feb 2016 23:23

**Instrument :**
BNA_G
**ClientSampleId :**
LOD-WATER2016-01

Tgt Ion:264 Resp: 118717

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.7 | 19.9 | 29.9 |
| 265 | 22.2 | 18.0 | 27.0 |