Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG072418\
Data File : BG035855.D
Acq On : 24 Jul 2018 19:57
Operator : JU/SJ
Sample : J3762-07
Misc : LOD 8PPM
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** LOD-MDL-WATER-01-QT3-2018

Quant Time: Jul 25 03:16:33 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 24 14:48:00 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.03 | 152 | 39398 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.83 | 136 | 141090 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.65 | 164 | 97626 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.39 | 188 | 262716 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.66 | 240 | 295700 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 24.85 | 264 | 281919 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.61 | 112 | 297836 | 125.51 | ng | | 0.00 |
| 7) Phenol-d6 | 7.19 | 99 | 420492 | 118.76 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.19 | 82 | 282796 | 83.73 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.14 | 330 | 175159 | 136.12 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.27 | 172 | 641868 | 88.08 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.00 | 244 | 1375990 | 102.57 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 40) Hexachlorocyclopentadiene | 12.83 | 237 | 9994 | 5.172 | ng | | 91 |
| 53) 2,4-Dinitrophenol | 14.81 | 184 | 88 | 6.672 | ng | # | 1 |
| 69) Pentachlorophenol | 17.06 | 266 | 3256 | 1.703 | ng | # | 63 |

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

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Misc : LOD 8PPM
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**Instrument :**
BNA_G
**ClientSampleId :**
LOD-MDL-WATER-01-QT3-2018

Quant Time: Jul 25 03:16:33 2018
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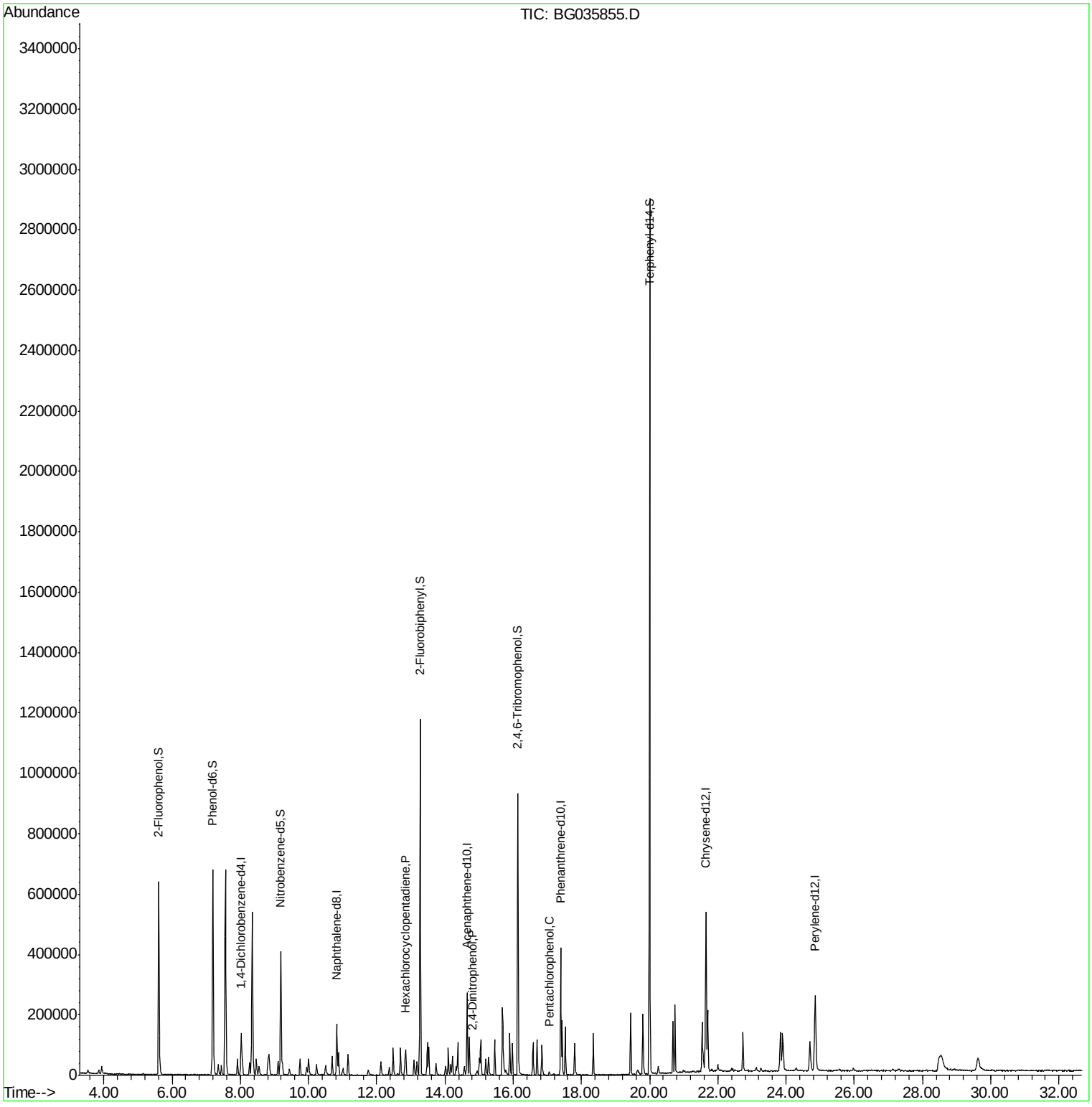
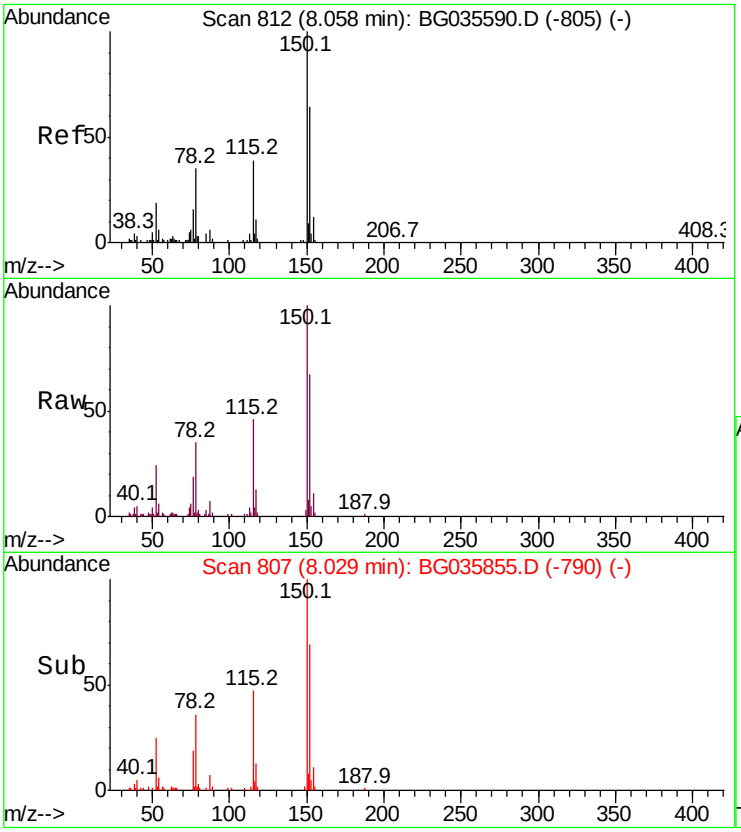
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 24 14:48:00 2018
Response via : Initial Calibration



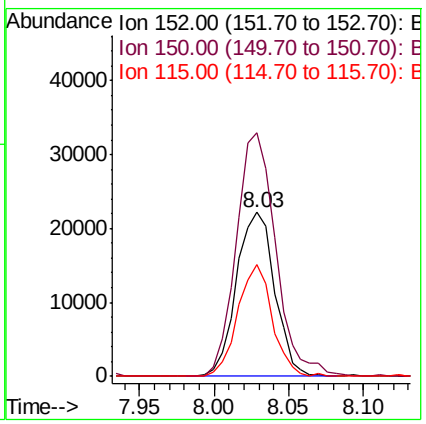


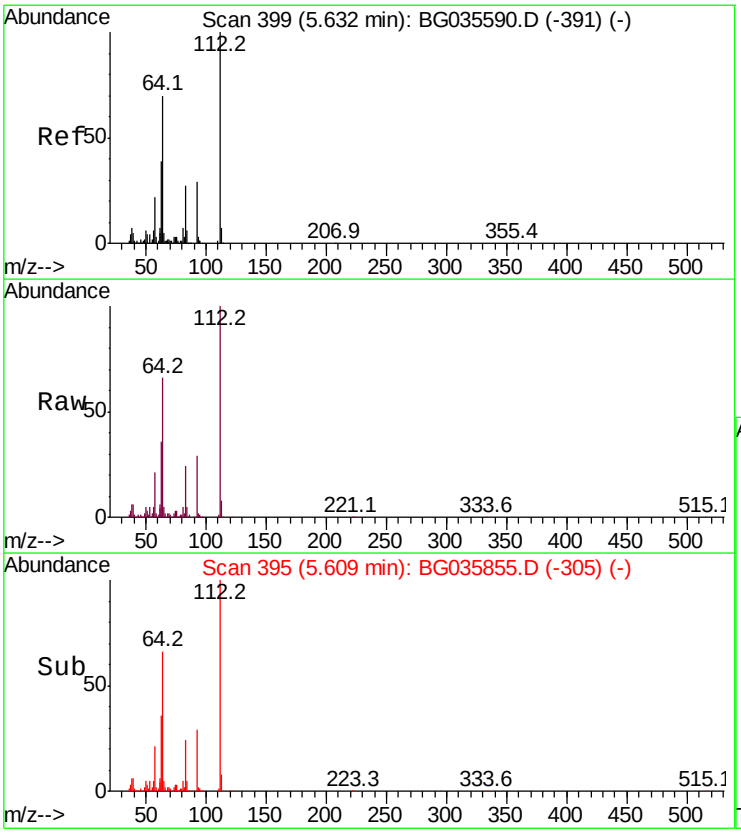

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 807
Delta R.T. 0.00 min
Lab File: BG035855.D
Acq: 24 Jul 2018 19:57

**Instrument :**
BNA_G
**ClientSampleId :**
LOD-MDL-WATER-01-QT3-2018

Tgt Ion:152 Resp: 39398

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 148.3 | 126.6 | 189.8 |
| 115 | 68.2 | 53.0 | 79.4 |

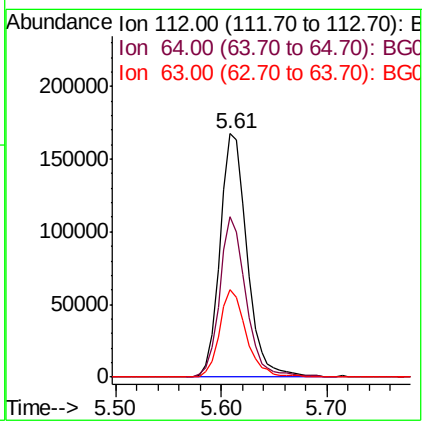


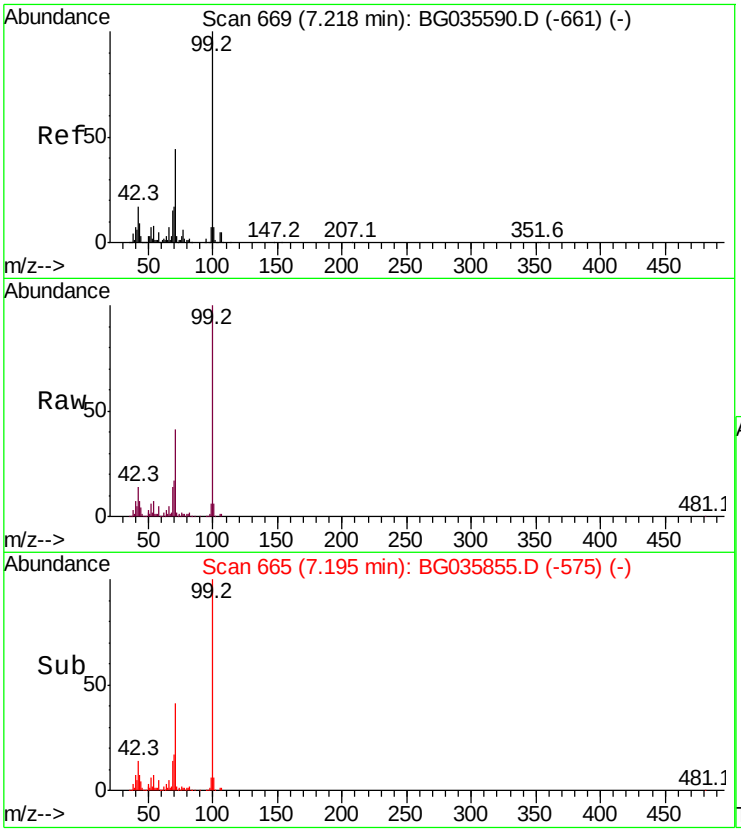




#5
2-Fluorophenol
Concen: 125.508 ng
RT: 5.61 min Scan# 395
Delta R.T. 0.00 min
Lab File: BG035855.D
Acq: 24 Jul 2018 19:57

Tgt Ion:112 Resp: 297836

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 66.1 | 56.3 | 84.5 |
| 63 | 35.8 | 30.1 | 45.1 |



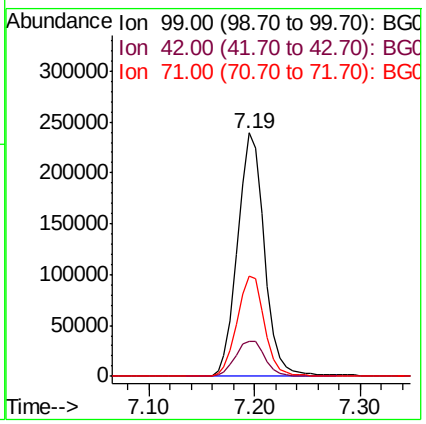


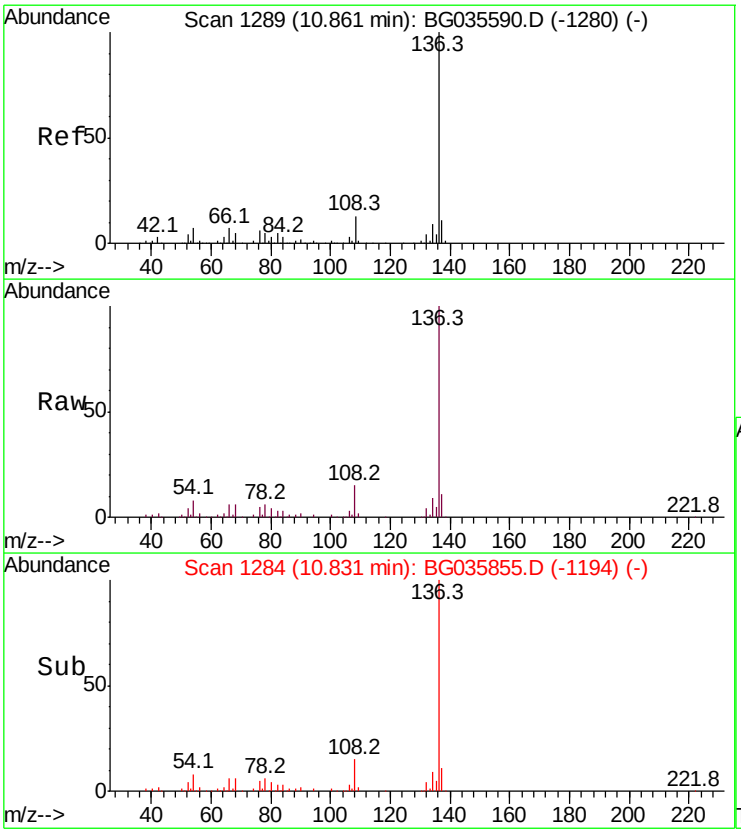

#7
Phenol-d6
Concen: 118.765 ng
RT: 7.19 min Scan# 665
Delta R.T. 0.00 min
Lab File: BG035855.D
Acq: 24 Jul 2018 19:57

**Instrument :**
BNA_G
**ClientSampleId :**
LOD-MDL-WATER-01-QT3-2018

Tgt Ion: 99 Resp: 420492

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 14.4 | 14.1 | 21.1 |
| 71 | 41.2 | 26.1 | 39.1# |

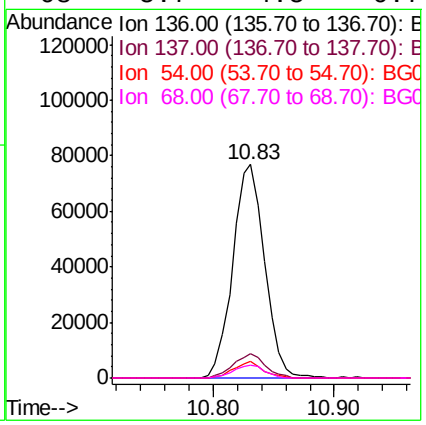


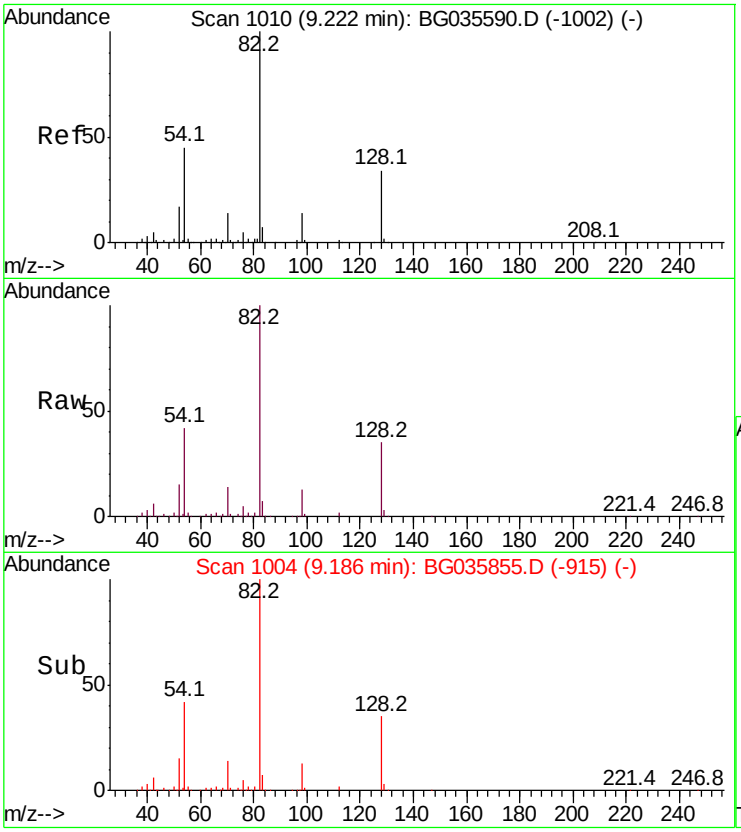




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1284
Delta R.T. 0.00 min
Lab File: BG035855.D
Acq: 24 Jul 2018 19:57

Tgt Ion:136 Resp: 141090

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.1 | 9.2 | 13.8 |
| 54 | 7.8 | 10.3 | 15.5# |
| 68 | 5.7 | 4.5 | 6.7 |



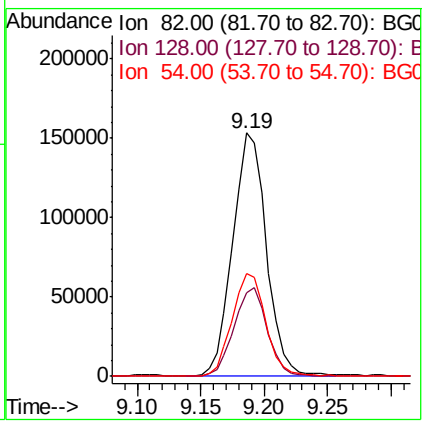


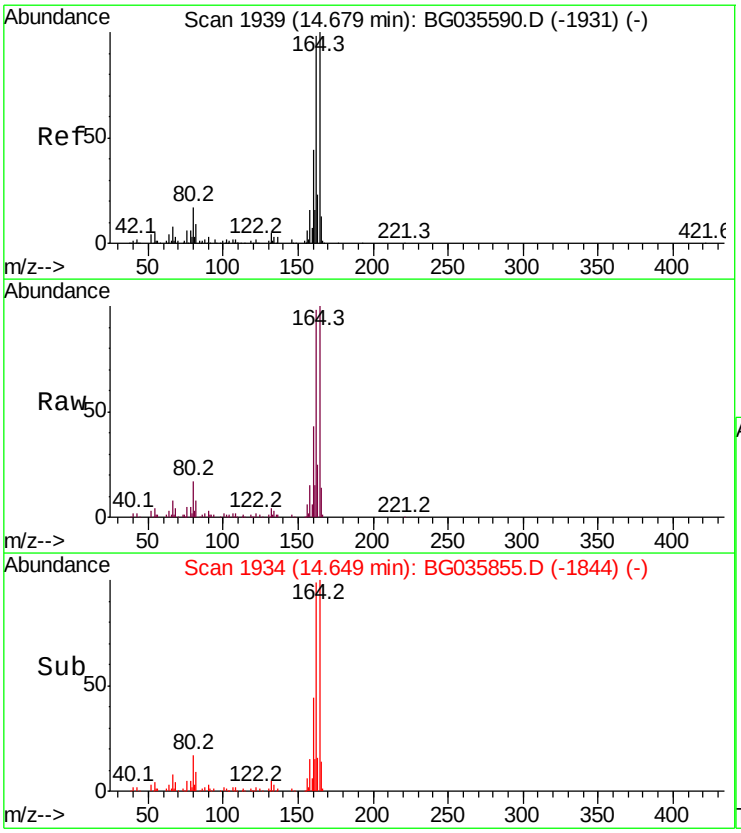

#23
Nitrobenzene-d5
Concen: 83.732 ng
RT: 9.19 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BG035855.D
Acq: 24 Jul 2018 19:57

**Instrument :**
BNA_G
**ClientSampleId :**
LOD-MDL-WATER-01-QT3-2018

Tgt Ion: 82 Resp: 282796

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 34.5 | 29.7 | 44.5 |
| 54 | 42.3 | 43.1 | 64.7# |

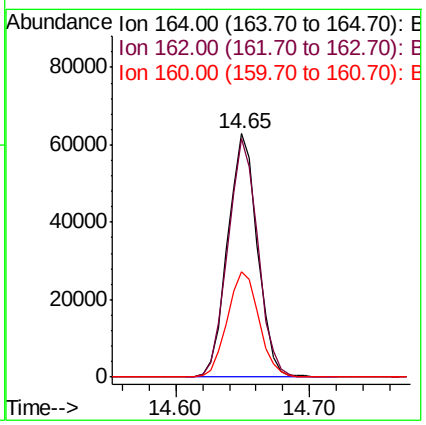


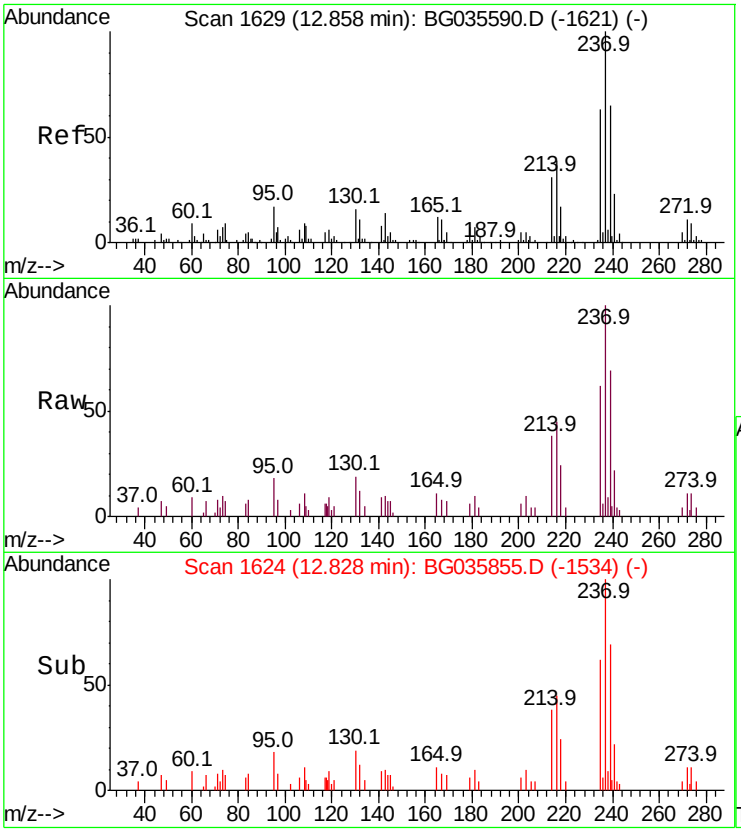




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.65 min Scan# 1934
Delta R.T. 0.00 min
Lab File: BG035855.D
Acq: 24 Jul 2018 19:57

Tgt Ion:164 Resp: 97626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 98.1 | 78.8 | 118.2 |
| 160 | 43.3 | 35.4 | 53.0 |



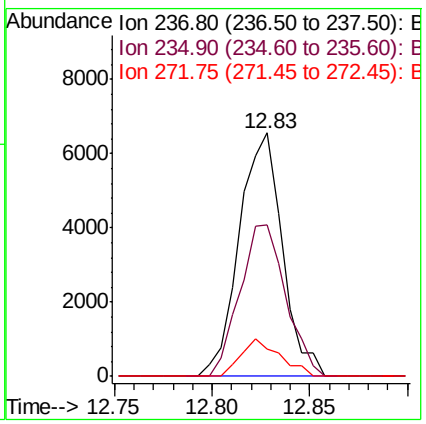


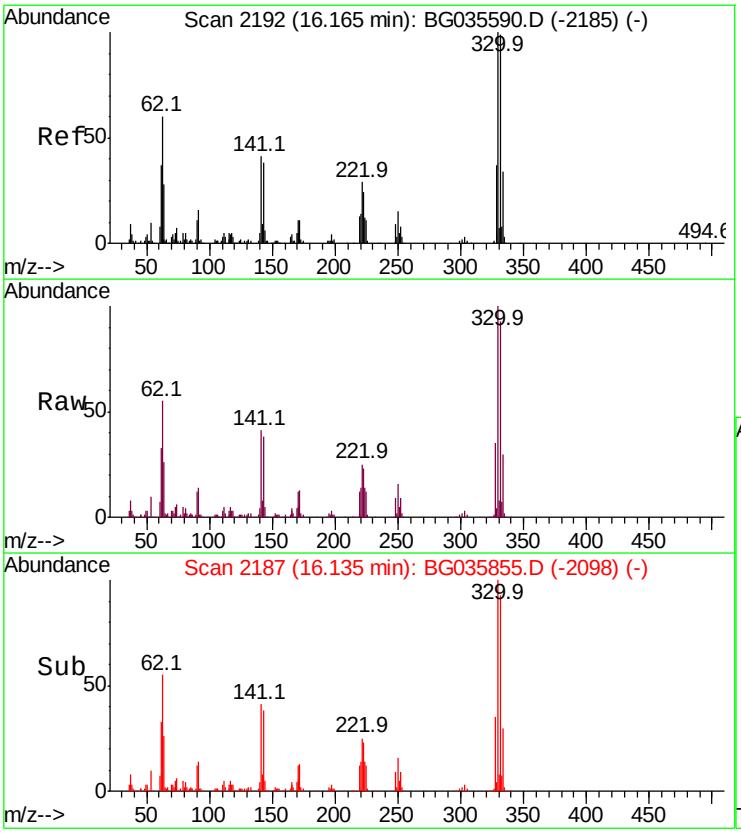

#40
Hexachlorocyclopentadiene
Concen: 5.172 ng
RT: 12.83 min Scan# 1624
Delta R.T. 0.00 min
Lab File: BG035855.D
Acq: 24 Jul 2018 19:57

**Instrument :**
BNA_G
**ClientSampleId :**
LOD-MDL-WATER-01-QT3-2018

Tgt Ion:237 Resp: 9994

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 62.1 | 50.4 | 90.4 |
| 272 | 11.4 | 0.0 | 31.8 |

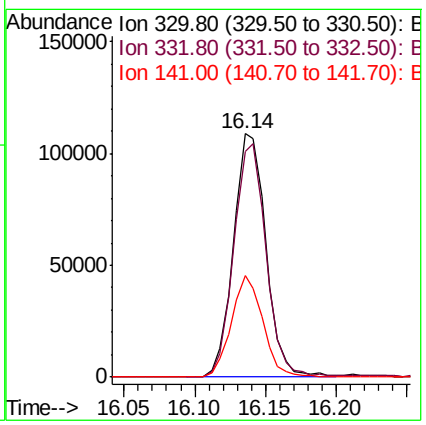


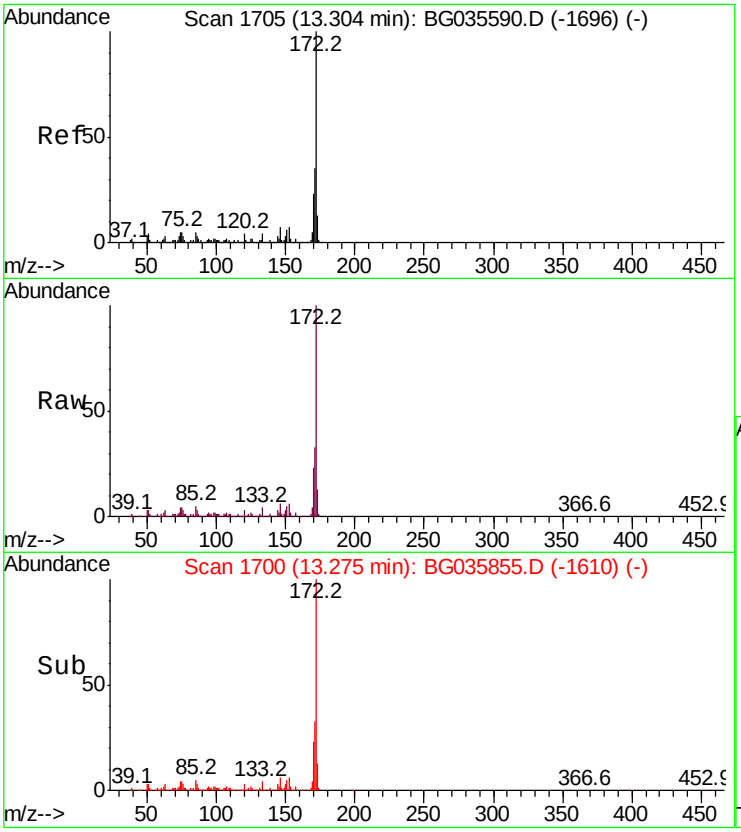




#41
2,4,6-Tribromophenol
Concen: 136.123 ng
RT: 16.14 min Scan# 2187
Delta R.T. -0.01 min
Lab File: BG035855.D
Acq: 24 Jul 2018 19:57

Tgt Ion:330 Resp: 175159

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.1 | 77.0 | 115.6 |
| 141 | 40.2 | 25.2 | 37.8# |



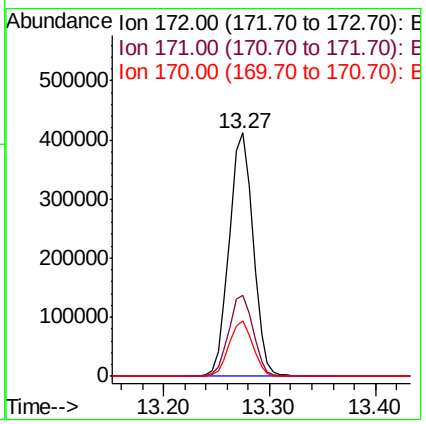


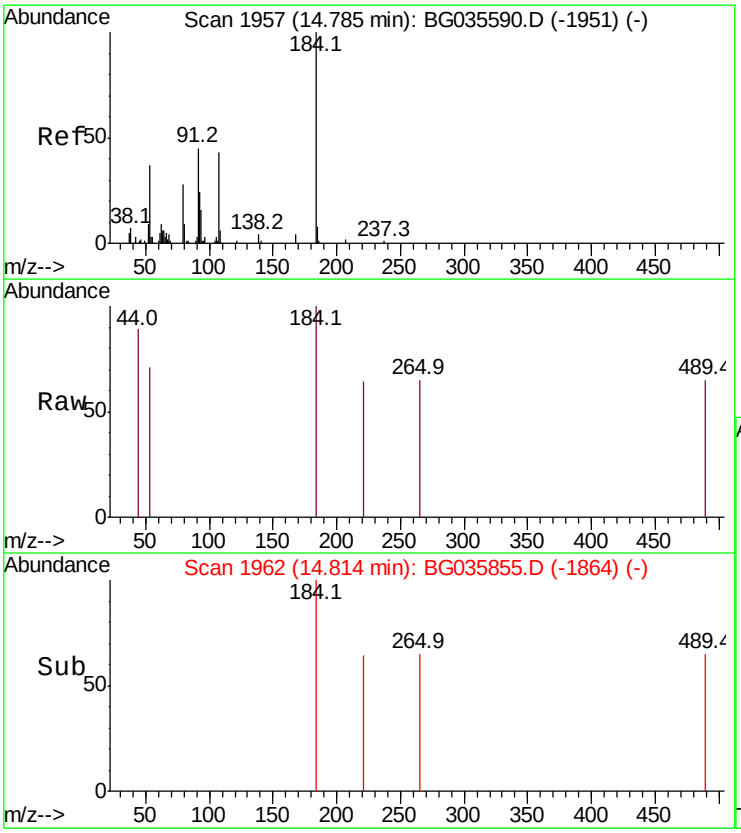

#44
2-Fluorobiphenyl
Concen: 88.085 ng
RT: 13.27 min Scan# 1700
Delta R.T. 0.00 min
Lab File: BG035855.D
Acq: 24 Jul 2018 19:57

**Instrument :**
BNA_G
**ClientSampleId :**
LOD-MDL-WATER-01-QT3-2018

Tgt Ion:172 Resp: 641868

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 33.4 | 30.0 | 45.0 |
| 170 | 23.0 | 19.5 | 29.3 |

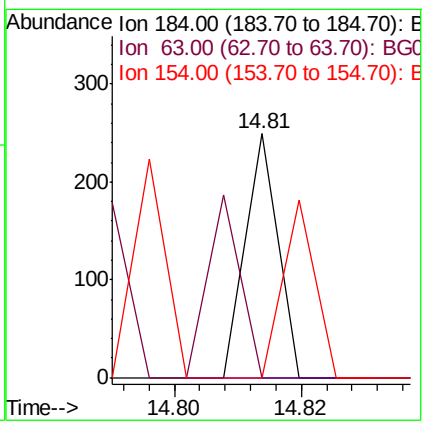


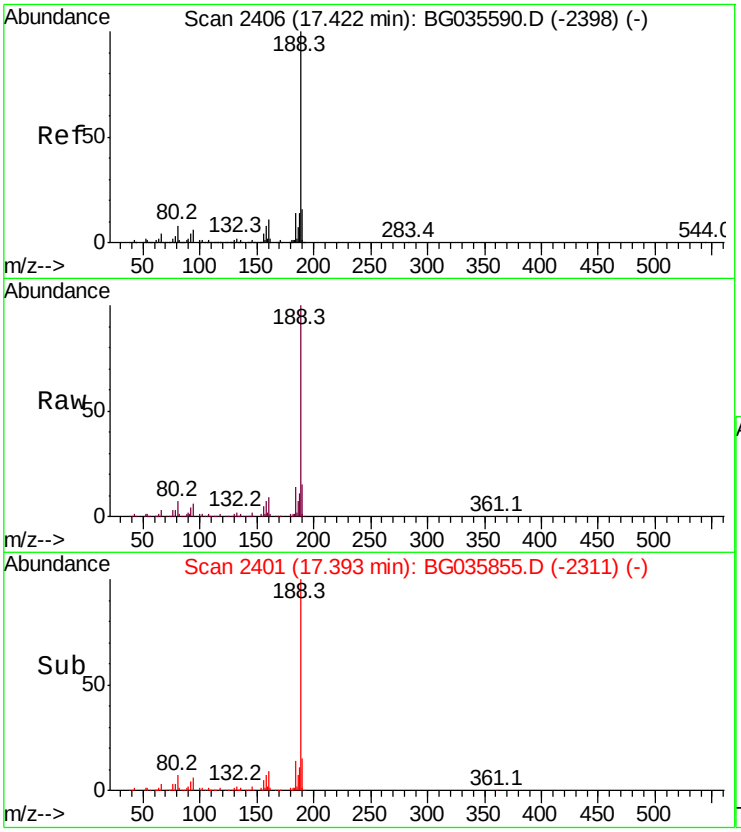




#53
2,4-Dinitrophenol
Concen: 6.672 ng
RT: 14.81 min Scan# 1962
Delta R.T. 0.05 min
Lab File: BG035855.D
Acq: 24 Jul 2018 19:57

Tgt Ion:184 Resp: 88

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 0.0 | 59.8 | 89.8# |
| 154 | 0.0 | 101.8 | 152.8# |



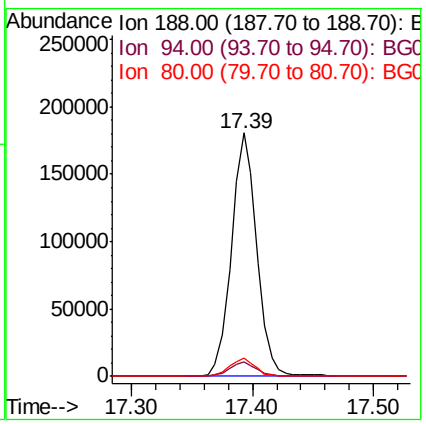


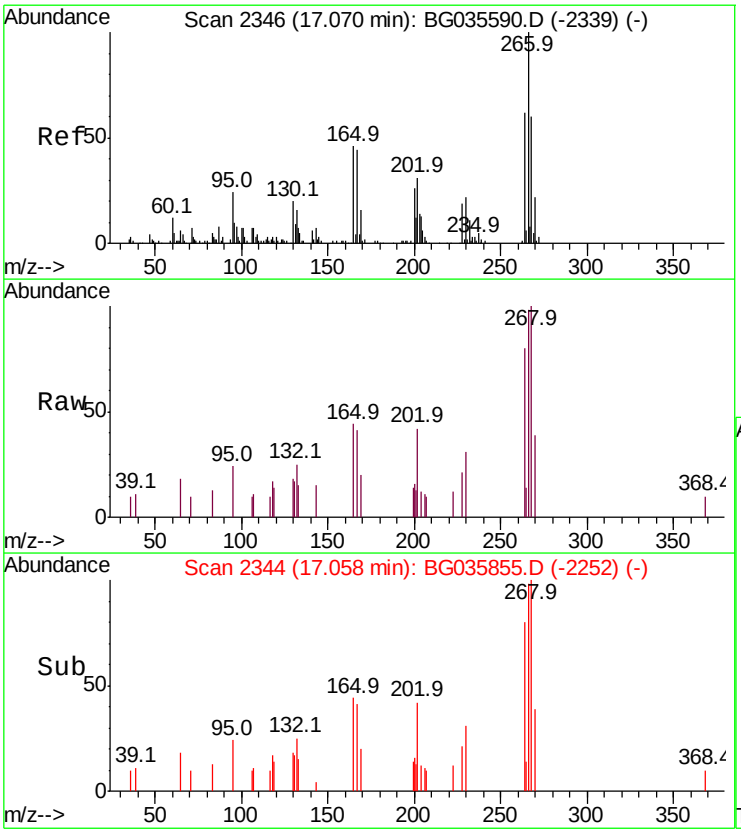

#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.39 min Scan# 2401
Delta R.T. 0.00 min
Lab File: BG035855.D
Acq: 24 Jul 2018 19:57

**Instrument :**
BNA_G
**ClientSampleId :**
LOD-MDL-WATER-01-QT3-2018

Tgt Ion:188 Resp: 262716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 6.0 | 6.9 | 10.3# |
| 80 | 7.3 | 7.7 | 11.5# |

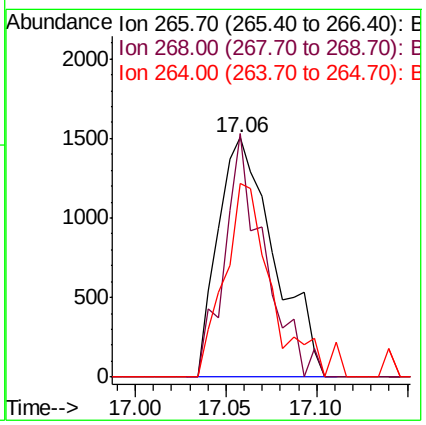


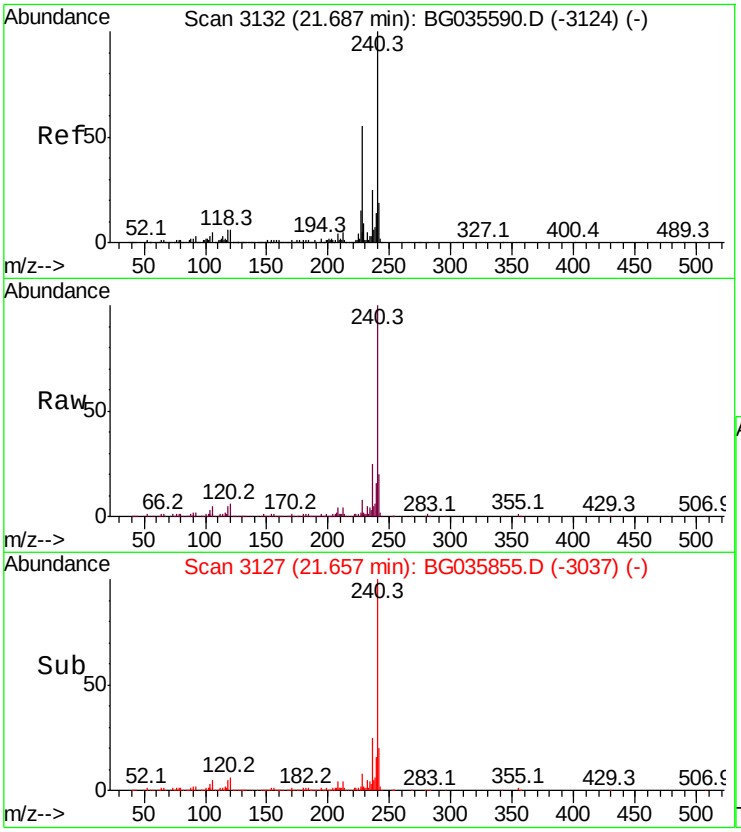




#69
Pentachlorophenol
Concen: 1.703 ng
RT: 17.06 min Scan# 2344
Delta R.T. 0.01 min
Lab File: BG035855.D
Acq: 24 Jul 2018 19:57

Tgt Ion:266 Resp: 3256

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 101.6 | 51.1 | 76.7# |
| 264 | 81.1 | 49.6 | 74.4# |



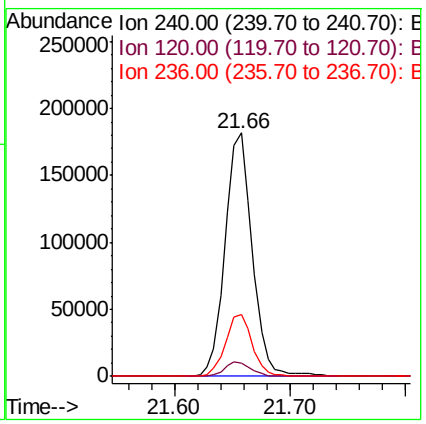


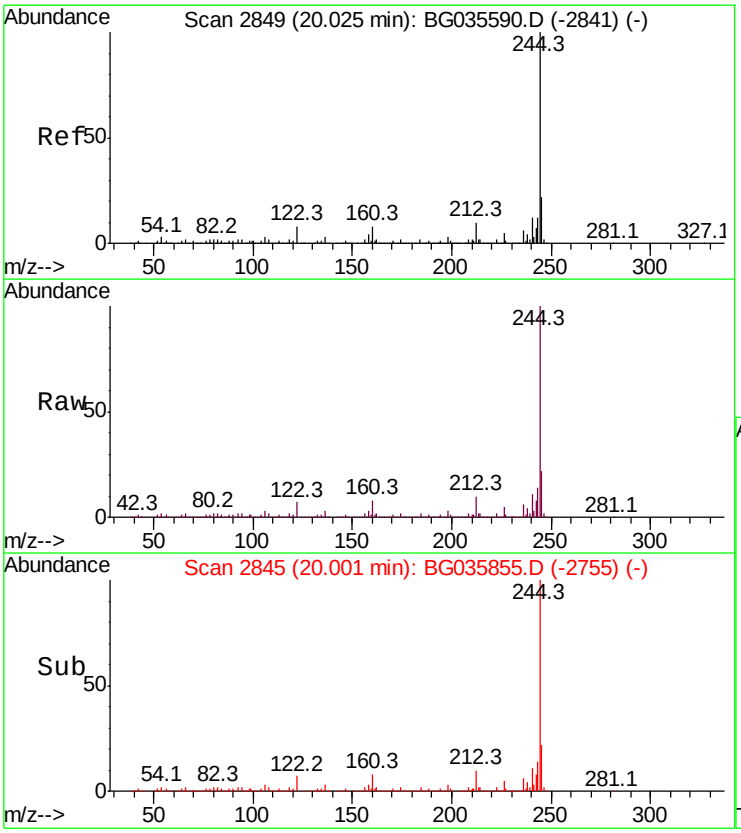

#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.66 min Scan# 3127
Delta R.T. 0.00 min
Lab File: BG035855.D
Acq: 24 Jul 2018 19:57

**Instrument :**
BNA_G
**ClientSampleId :**
LOD-MDL-WATER-01-QT3-2018

Tgt Ion:240 Resp: 295700

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 5.6 | 6.8 | 10.2# |
| 236 | 25.4 | 20.9 | 31.3 |

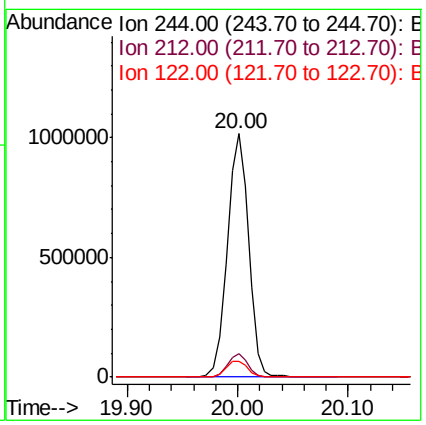


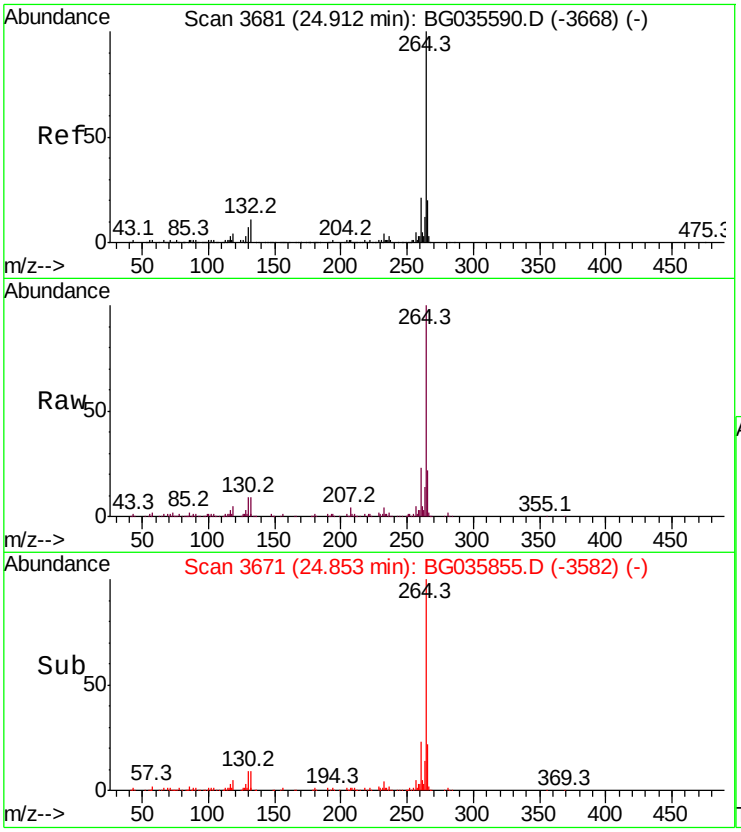




#78
Terphenyl-d14
Concen: 102.573 ng
RT: 20.00 min Scan# 2845
Delta R.T. 0.00 min
Lab File: BG035855.D
Acq: 24 Jul 2018 19:57

Tgt Ion:244 Resp: 1375990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 9.5 | 5.8 | 8.8# |
| 122 | 6.7 | 7.0 | 10.4# |






#86
Perylene-d12
Concen: 20.000 ng
RT: 24.85 min Scan# 3671
Delta R.T. -0.01 min
Lab File: BG035855.D
Acq: 24 Jul 2018 19:57

**Instrument :**
BNA_G
**ClientSampleId :**
LOD-MDL-WATER-01-QT3-2018

Tgt Ion:264 Resp: 281919

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.4 | 17.4 | 26.0 |
| 265 | 21.8 | 17.7 | 26.5 |