Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG073116\
Data File : BG023361.D
Acq On : 30 Jul 2016 17:28
Operator : UM/SJ
Sample : H4176-23
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** GW-23-12.0-15.0

Quant Time: Aug 01 02:07:12 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG072616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 27 17:30:33 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.14 | 152 | 169501 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.97 | 136 | 867503 | 20.00 | ng | 0.00 |
| 38) Acenaphthene-d10 | 14.80 | 164 | 589652 | 20.00 | ng | 0.00 |
| 63) Phenanthrene-d10 | 17.57 | 188 | 1041577 | 20.00 | ng | 0.00 |
| 75) Chrysene-d12 | 21.89 | 240 | 887878 | 20.00 | ng | 0.00 |
| 86) Perylene-d12 | 25.30 | 264 | 929814 | 20.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.67 | 112 | 735149 | 74.04 | ng | 0.00 |
| 7) Phenol-d6 | 7.29 | 99 | 801748 | 52.60 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.32 | 82 | 1544428 | 87.06 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.31 | 330 | 942150 | 154.37 | ng | 0.00 |
| 44) 2-Fluorobiphenyl | 13.42 | 172 | 2937799 | 93.25 | ng | 0.00 |
| 78) Terphenyl-d14 | 20.18 | 244 | 2589348 | 94.80 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |

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

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Operator : UM/SJ
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Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
GW-23-12.0-15.0

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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG072616.M
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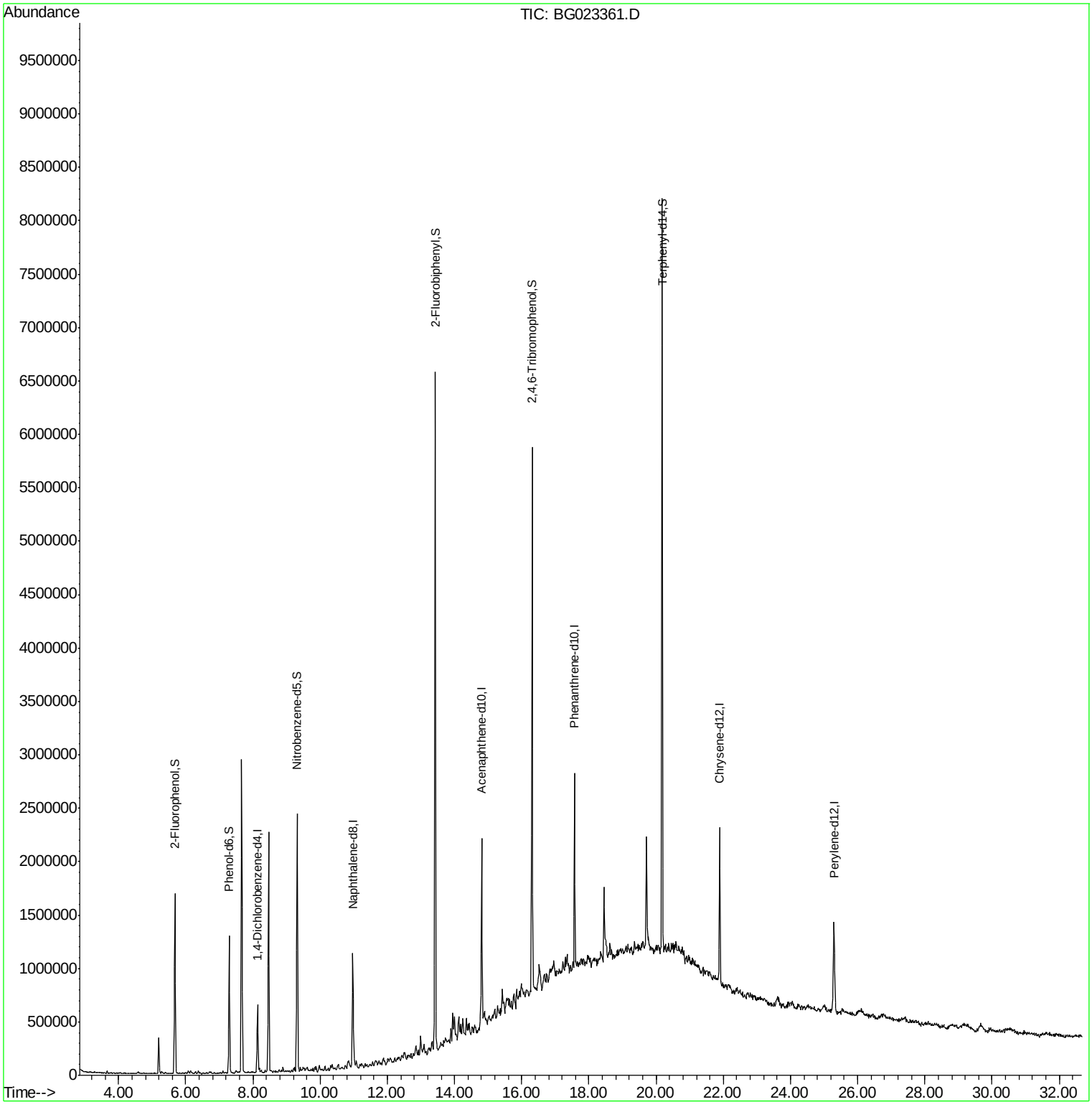
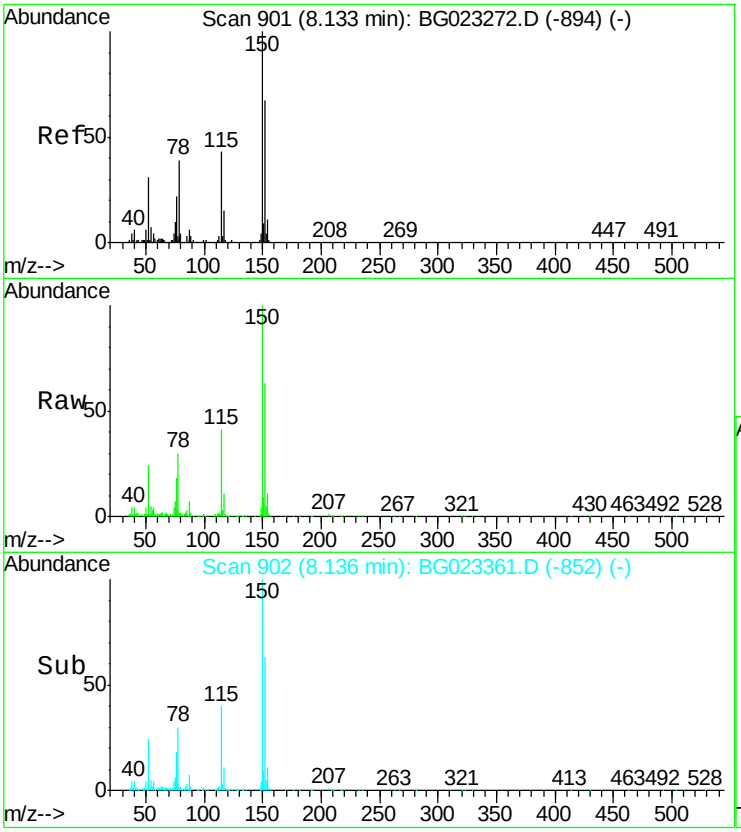
QLast Update : Wed Jul 27 17:30:33 2016
Response via : Initial Calibration



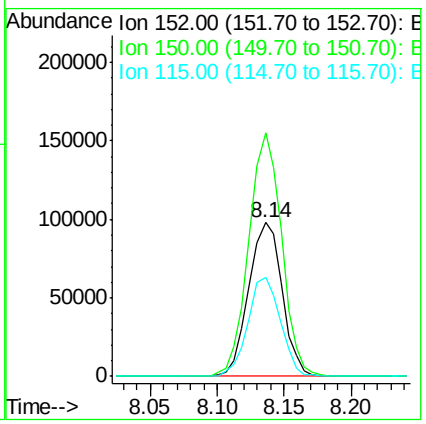


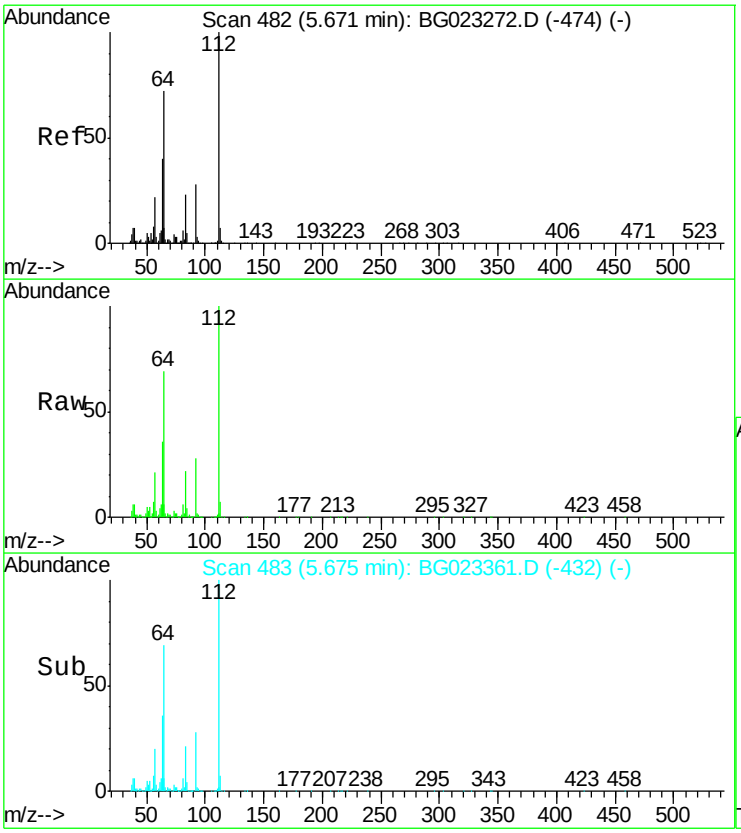

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.14 min Scan# 902
Delta R.T. -0.00 min
Lab File: BG023361.D
Acq: 30 Jul 2016 17:28

**Instrument :**
BNA_G
**ClientSampleId :**
GW-23-12.0-15.0

Tgt Ion:152 Resp: 169501

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 158.3 | 144.7 | 217.1 |
| 115 | 64.3 | 64.0 | 96.0 |

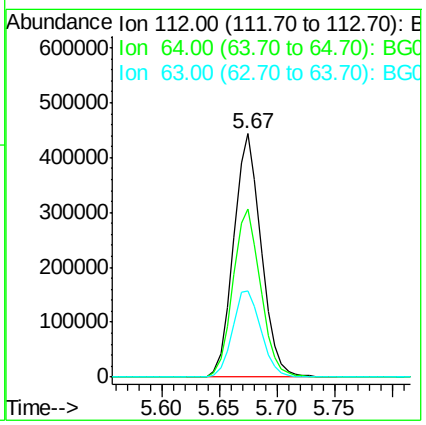


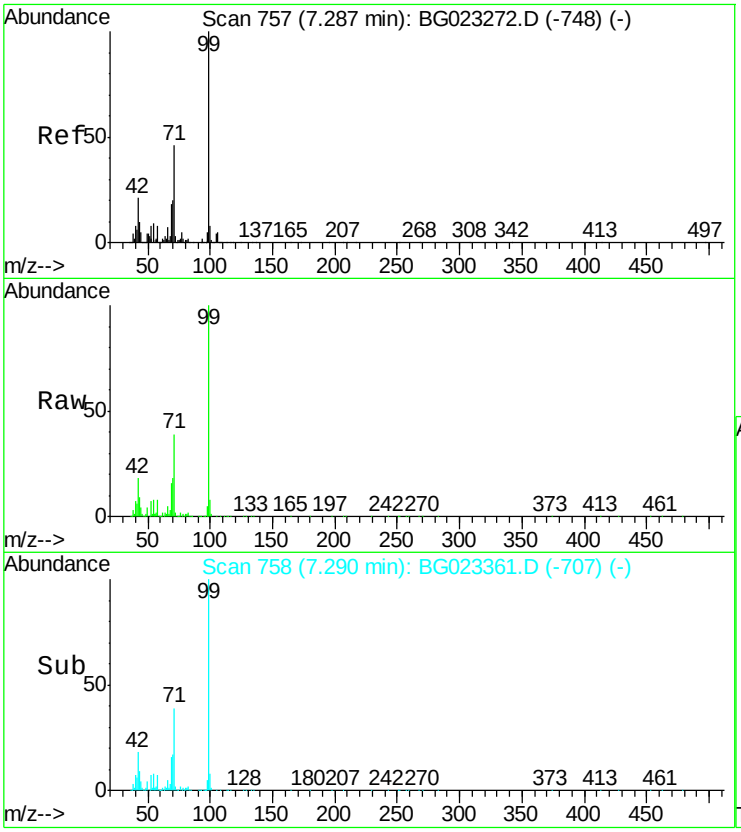




#5
2-Fluorophenol
Concen: 74.04 ng
RT: 5.67 min Scan# 483
Delta R.T. 0.00 min
Lab File: BG023361.D
Acq: 30 Jul 2016 17:28

Tgt Ion:112 Resp: 735149

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 69.3 | 59.0 | 88.4 |
| 63 | 35.6 | 37.8 | 56.8# |



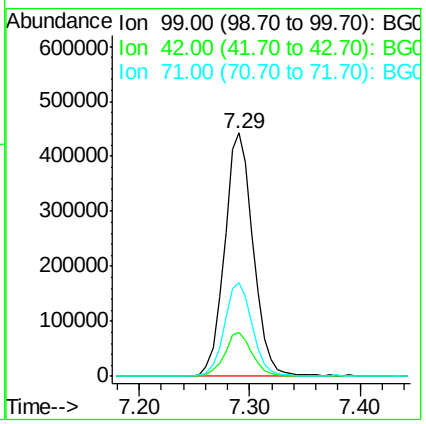


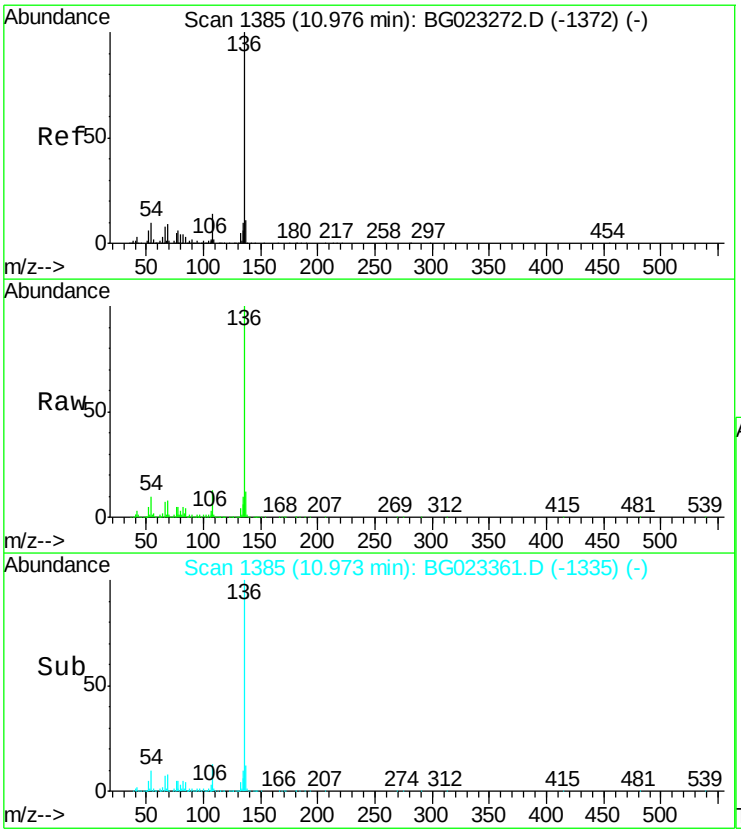

#7
Phenol-d6
Concen: 52.60 ng
RT: 7.29 min Scan# 758
Delta R.T. 0.00 min
Lab File: BG023361.D
Acq: 30 Jul 2016 17:28

**Instrument :**
BNA_G
**ClientSampleId :**
GW-23-12.0-15.0

Tgt Ion: 99 Resp: 801748

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.0 | 17.8 | 26.6 |
| 71 | 38.7 | 41.5 | 62.3# |

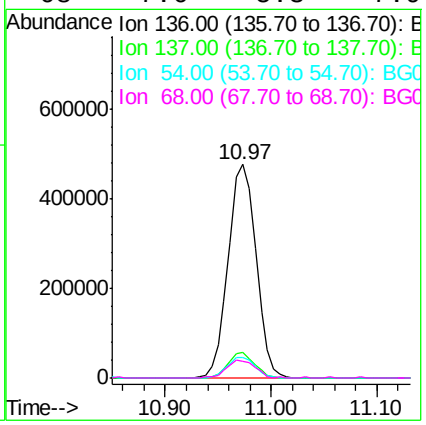


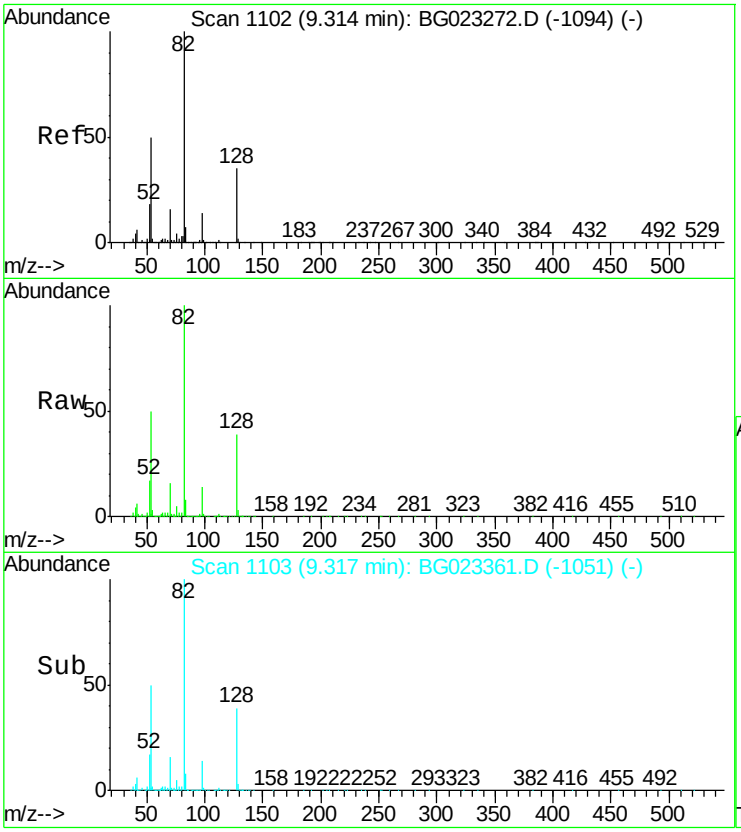




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.97 min Scan# 1385
Delta R.T. -0.00 min
Lab File: BG023361.D
Acq: 30 Jul 2016 17:28

Tgt Ion:136 Resp: 867503

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 12.3 | 9.6 | 14.4 |
| 54 | 9.8 | 7.3 | 10.9 |
| 68 | 7.6 | 5.3 | 7.9 |



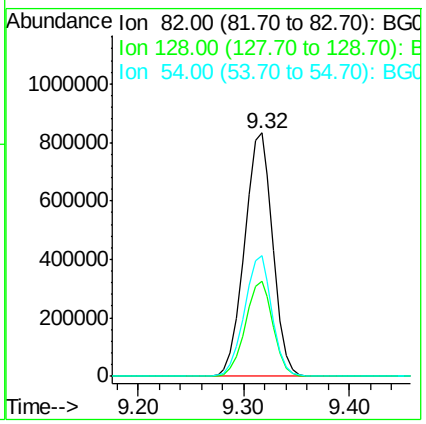


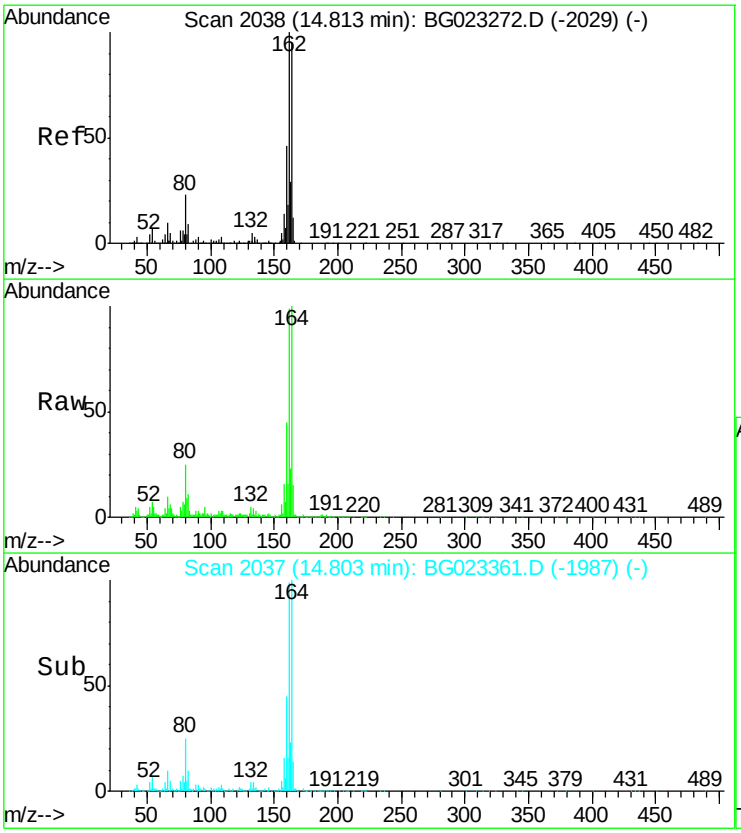

#23
Nitrobenzene-d5
Concen: 87.06 ng
RT: 9.32 min Scan# 1103
Delta R.T. 0.01 min
Lab File: BG023361.D
Acq: 30 Jul 2016 17:28

**Instrument :**
BNA_G
**ClientSampleId :**
GW-23-12.0-15.0

Tgt Ion: 82 Resp: 1544428

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 39.3 | 24.4 | 36.6# |
| 54 | 49.5 | 41.4 | 62.0 |

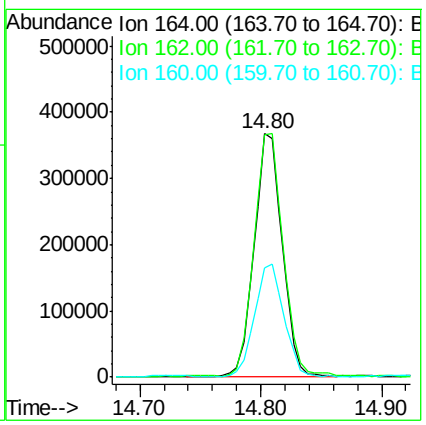


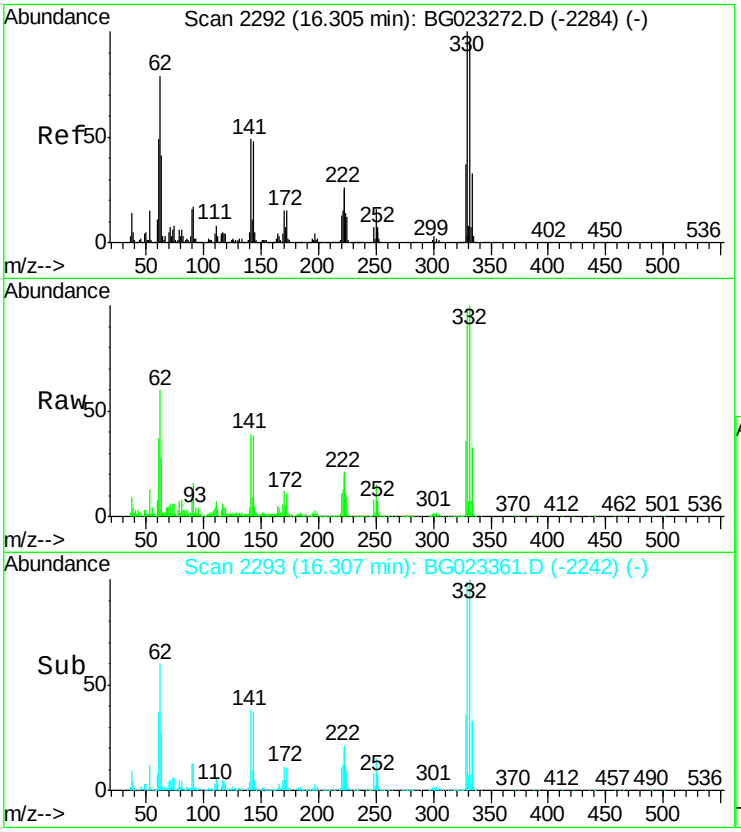




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.80 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BG023361.D
Acq: 30 Jul 2016 17:28

Tgt Ion:164 Resp: 589652

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.4 | 87.7 | 131.5 |
| 160 | 44.7 | 37.2 | 55.8 |



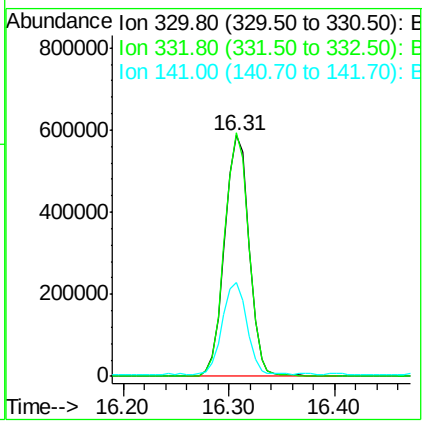


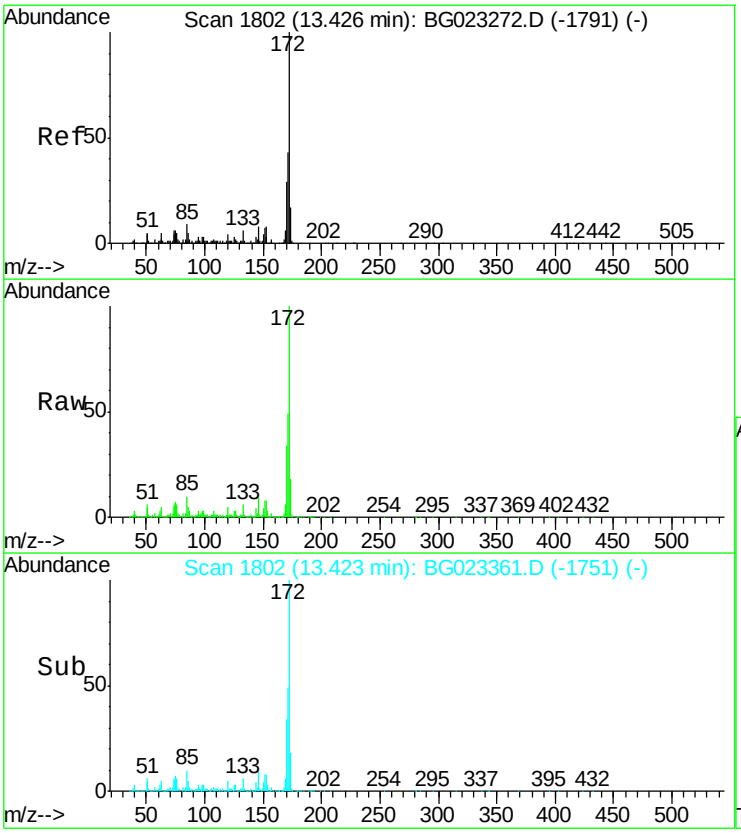

#41
2,4,6-Tribromophenol
Concen: 154.37 ng
RT: 16.31 min Scan# 2293
Delta R.T. 0.00 min
Lab File: BG023361.D
Acq: 30 Jul 2016 17:28

**Instrument :**
BNA_G
**ClientSampleId :**
GW-23-12.0-15.0

Tgt Ion:330 Resp: 942150

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 99.8 | 77.4 | 116.2 |
| 141 | 39.0 | 31.7 | 47.5 |

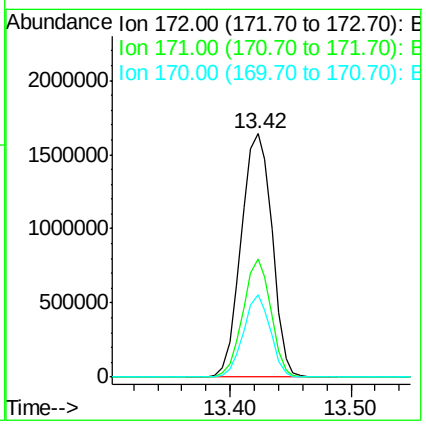


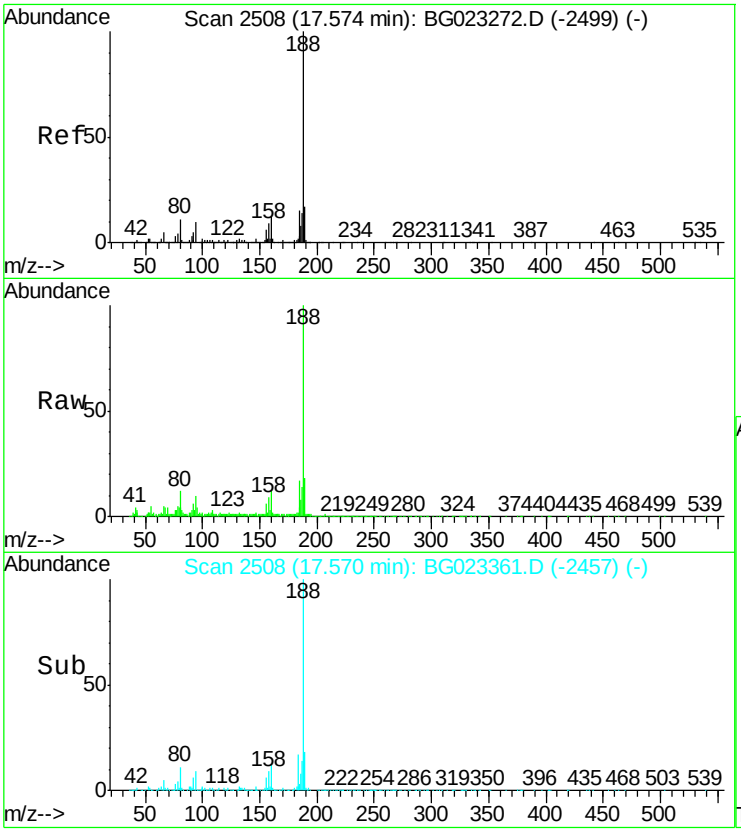




#44
2-Fluorobiphenyl
Concen: 93.25 ng
RT: 13.42 min Scan# 1802
Delta R.T. 0.00 min
Lab File: BG023361.D
Acq: 30 Jul 2016 17:28

Tgt Ion:172 Resp: 2937799

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 48.5 | 31.6 | 47.4# |
| 170 | 33.6 | 21.3 | 31.9# |



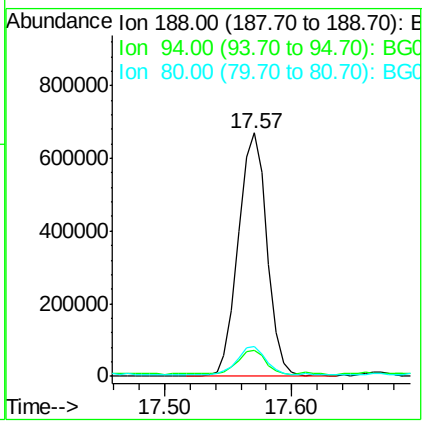


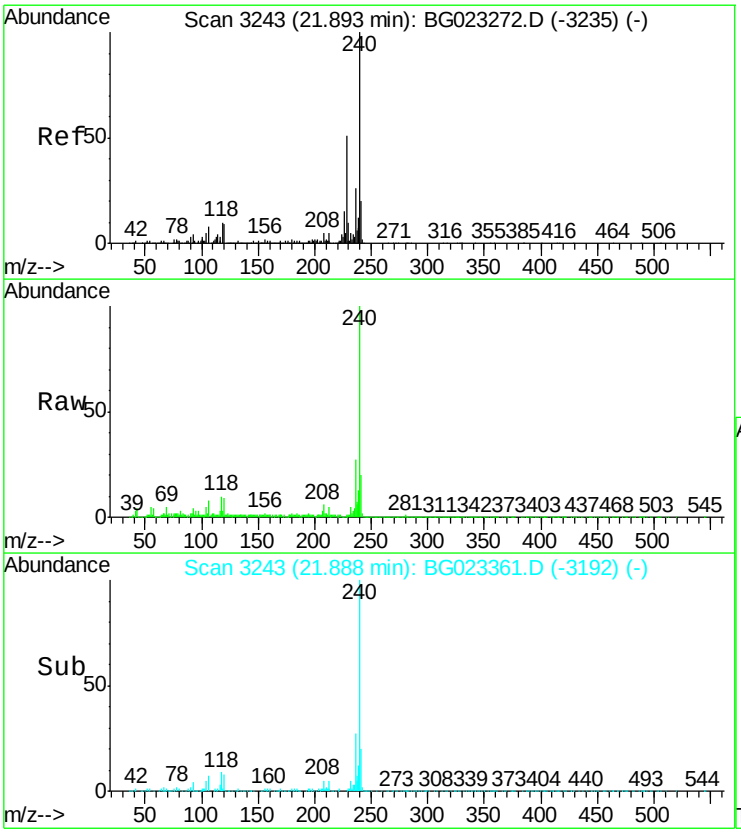

#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.57 min Scan# 2508
Delta R.T. -0.00 min
Lab File: BG023361.D
Acq: 30 Jul 2016 17:28

**Instrument :**
BNA_G
**ClientSampleId :**
GW-23-12.0-15.0

Tgt Ion:188 Resp: 1041577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.5 | 5.2 | 7.8# |
| 80 | 12.3 | 7.2 | 10.8# |

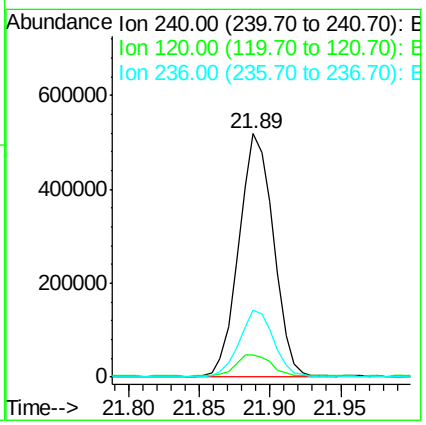


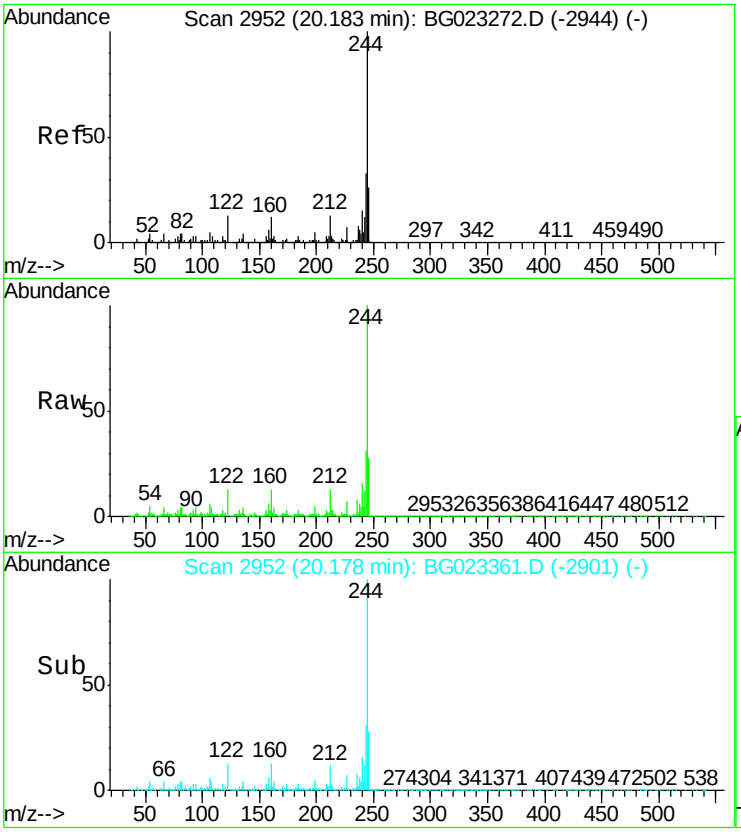




#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.89 min Scan# 3243
Delta R.T. -0.00 min
Lab File: BG023361.D
Acq: 30 Jul 2016 17:28

Tgt Ion:240 Resp: 887878

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.9 | 4.1 | 6.1# |
| 236 | 27.3 | 21.1 | 31.7 |



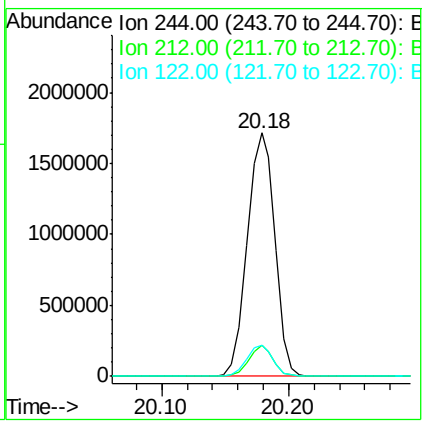


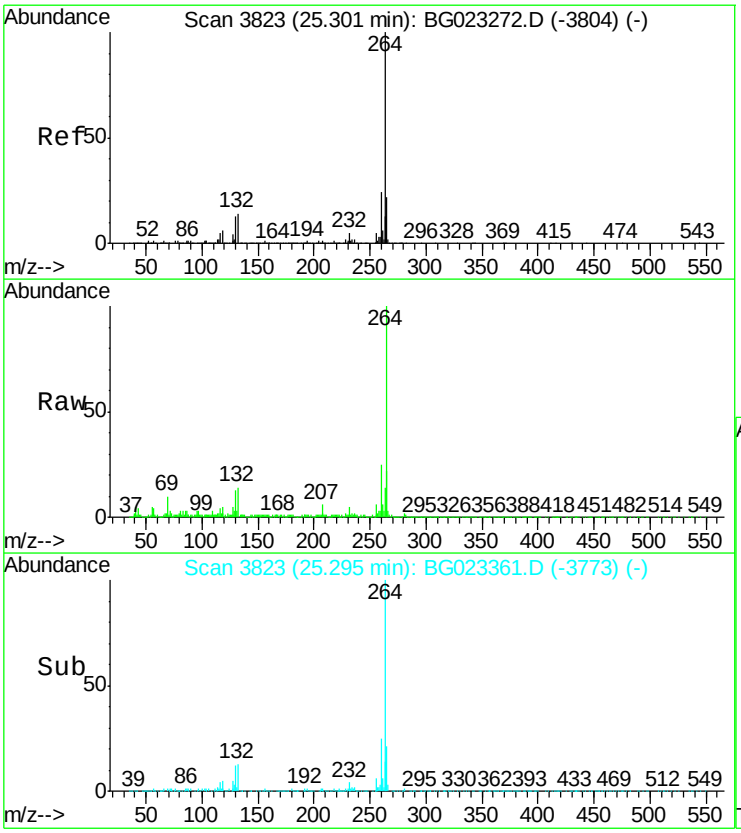

#78
Terphenyl-d14
Concen: 94.80 ng
RT: 20.18 min Scan# 2952
Delta R.T. 0.00 min
Lab File: BG023361.D
Acq: 30 Jul 2016 17:28

**Instrument :**
BNA_G
**ClientSampleId :**
GW-23-12.0-15.0

Tgt Ion:244 Resp: 2589348

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 12.6 | 10.8 | 16.2 |
| 122 | 12.9 | 8.0 | 12.0# |




#86
Perylene-d12
Concen: 20.00 ng
RT: 25.30 min Scan# 3823
Delta R.T. -0.01 min
Lab File: BG023361.D
Acq: 30 Jul 2016 17:28

Tgt Ion:264 Resp: 929814

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 25.2 | 18.4 | 27.6 |
| 265 | 21.7 | 18.9 | 28.3 |