Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG073016\
Data File : BG023351.D
Acq On : 30 Jul 2016 2:35
Operator : UM/SJ
Sample : H4176-20
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** GW-34-7.0-15.0MSD

Quant Time: Jul 30 03:19:11 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 | 157421 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.97 | 136 | 750064 | 20.00 | ng | 0.00 |
| 38) Acenaphthene-d10 | 14.80 | 164 | 508074 | 20.00 | ng | 0.00 |
| 63) Phenanthrene-d10 | 17.57 | 188 | 1110454 | 20.00 | ng | 0.00 |
| 75) Chrysene-d12 | 21.89 | 240 | 1112171 | 20.00 | ng | 0.00 |
| 86) Perylene-d12 | 25.29 | 264 | 1130718 | 20.00 | ng | -0.01 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.67 | 112 | 586448 | 63.60 | ng | 0.00 |
| 7) Phenol-d6 | 7.29 | 99 | 592286 | 41.84 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.31 | 82 | 1282378 | 83.61 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.30 | 330 | 831038 | 158.03 | ng | 0.00 |
| 44) 2-Fluorobiphenyl | 13.42 | 172 | 2482916 | 91.46 | ng | 0.00 |
| 78) Terphenyl-d14 | 20.18 | 244 | 3040111 | 88.86 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 32) Benzoic acid | 10.25 | 122 | 326 | 8.14 | ng | # 51 |
| 49) Dimethylphthalate | 14.25 | 163 | 114805 | 3.06 | ng | 98 |

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

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG073016\
Data File : BG023351.D
Acq On : 30 Jul 2016 2:35
Operator : UM/SJ
Sample : H4176-20
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
GW-34-7.0-15.0MSD

Quant Time: Jul 30 03:19:11 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG072616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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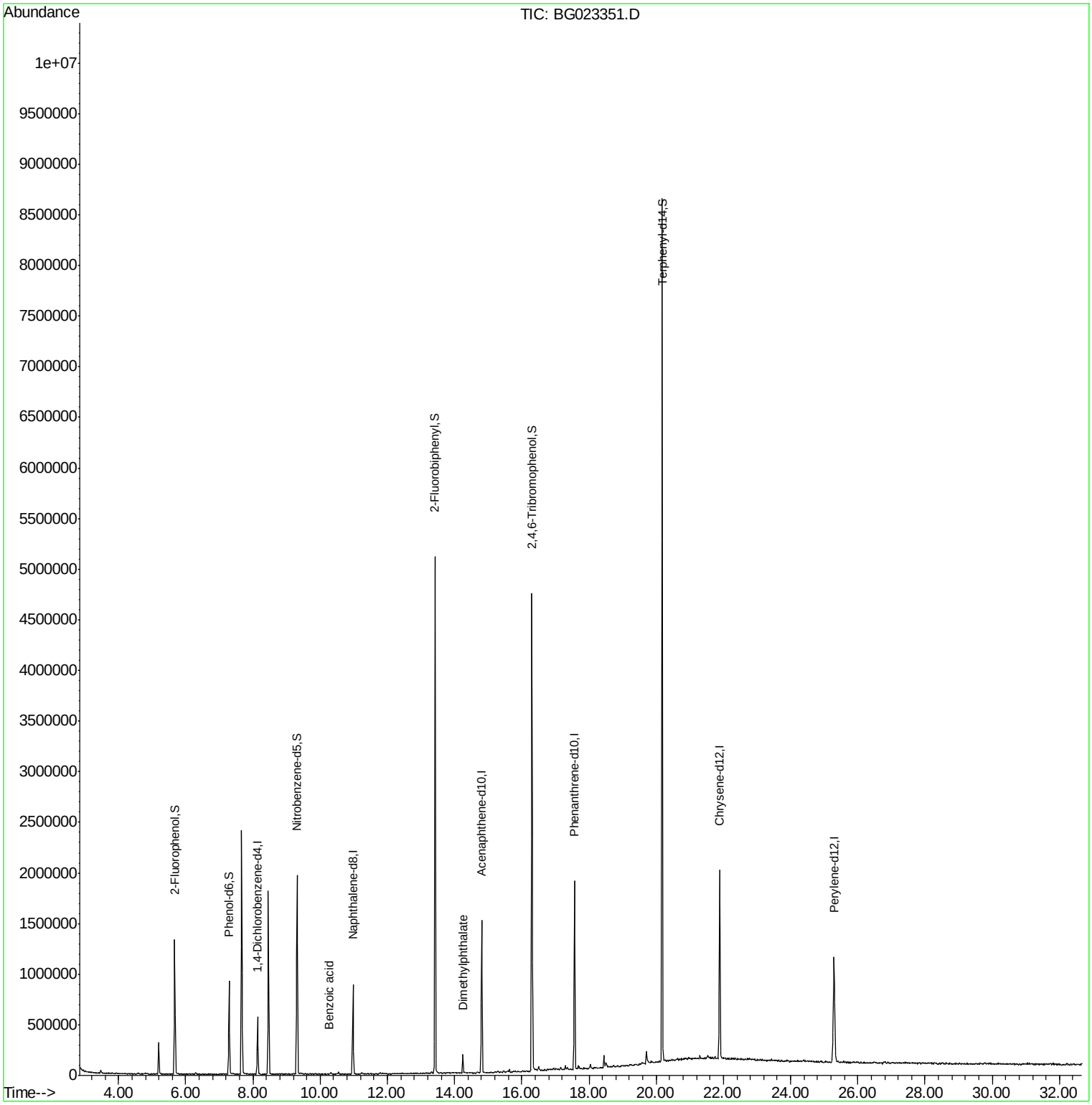
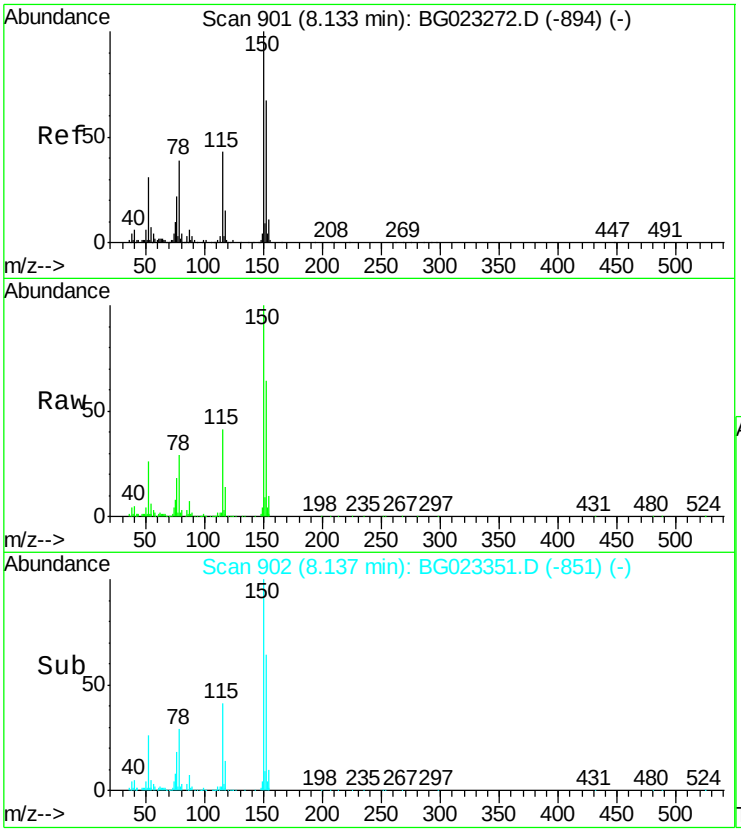


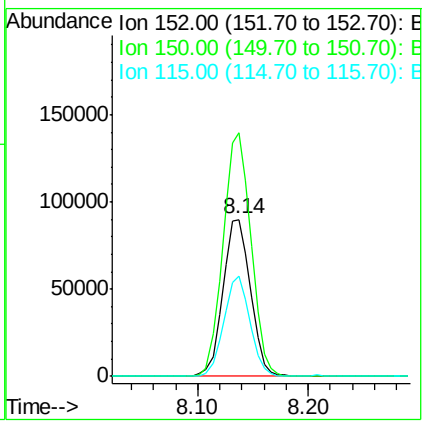


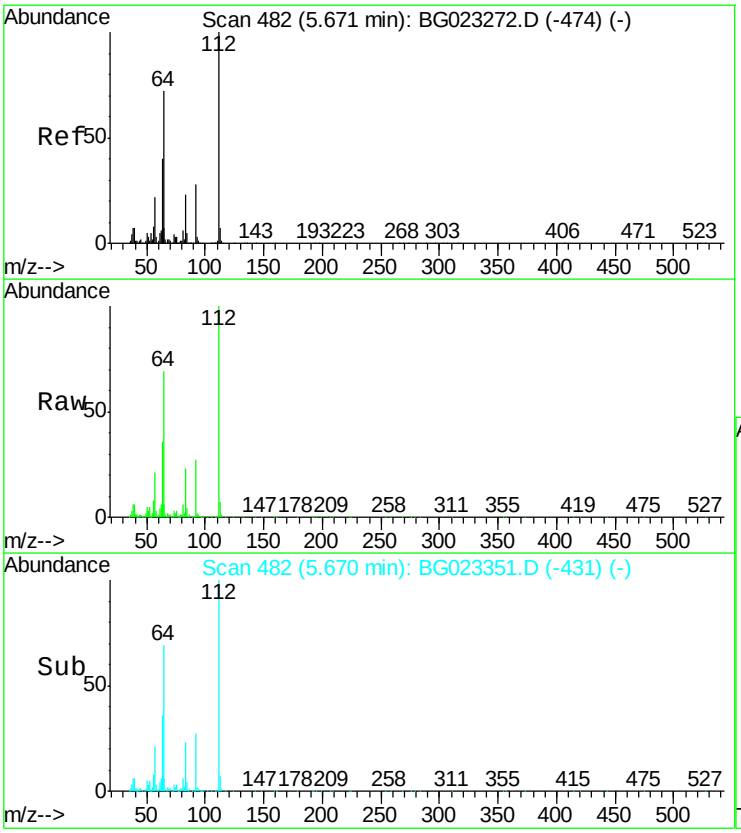

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.14 min Scan# 902
Delta R.T. -0.00 min
Lab File: BG023351.D
Acq: 30 Jul 2016 2:35

**Instrument :**
BNA_G
**ClientSampleId :**
GW-34-7.0-15.0MSD

Tgt Ion:152 Resp: 157421

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.5 | 144.7 | 217.1 |
| 115 | 63.7 | 64.0 | 96.0# |

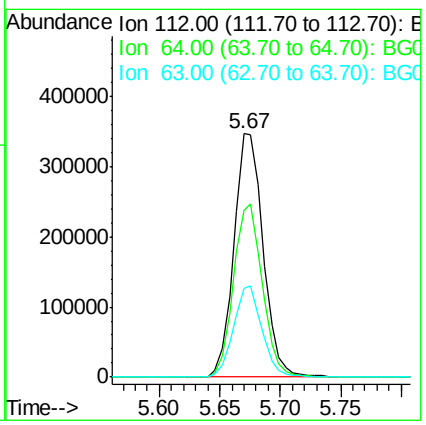


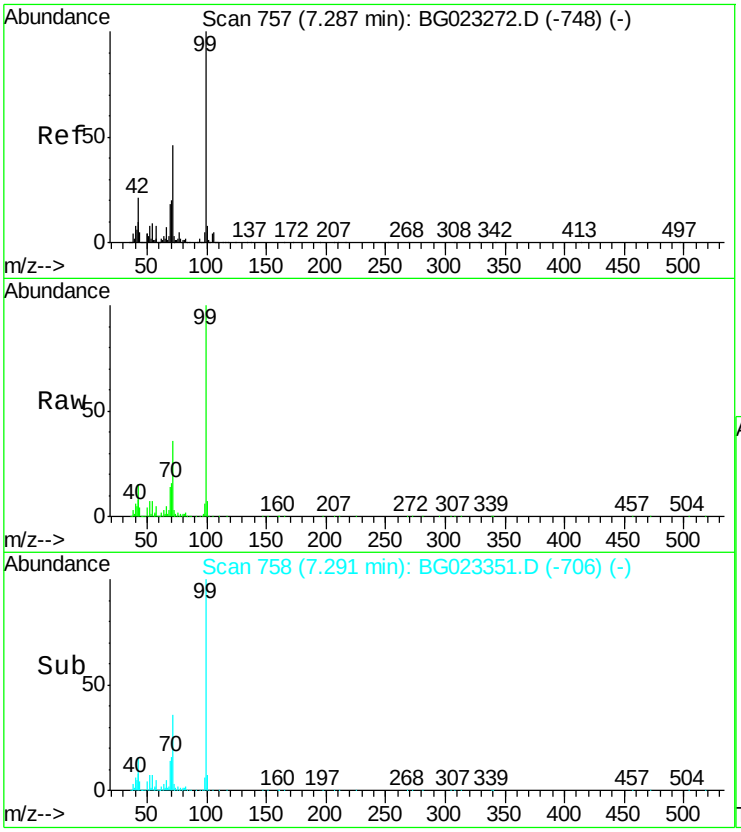




#5
2-Fluorophenol
Concen: 63.60 ng
RT: 5.67 min Scan# 482
Delta R.T. -0.00 min
Lab File: BG023351.D
Acq: 30 Jul 2016 2:35

Tgt Ion:112 Resp: 586448

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 68.8 | 59.0 | 88.4 |
| 63 | 36.5 | 37.8 | 56.8# |



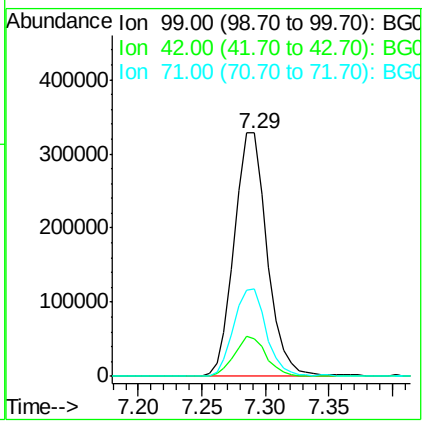


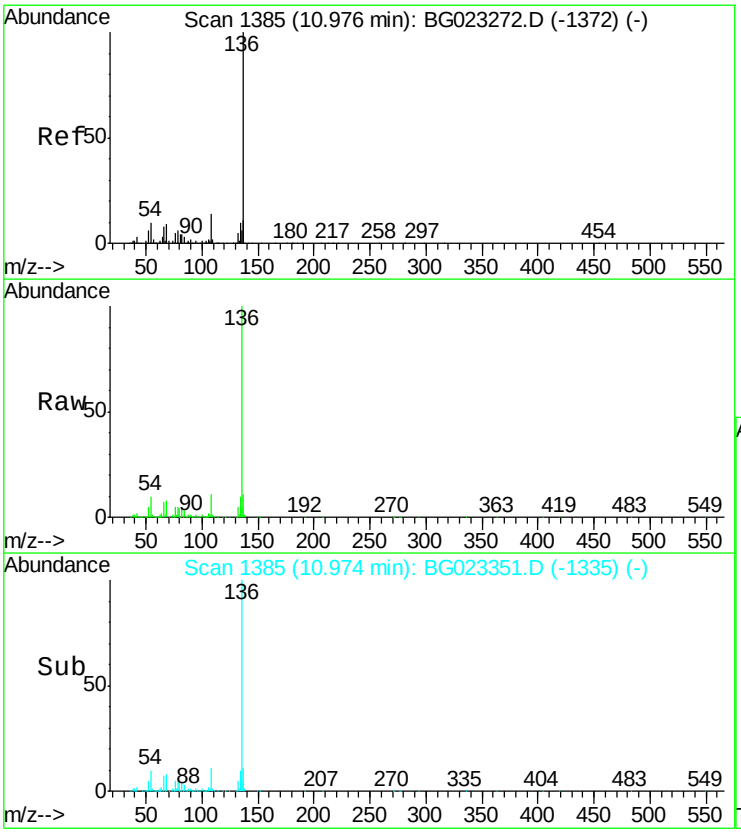

#7
Phenol-d6
Concen: 41.84 ng
RT: 7.29 min Scan# 758
Delta R.T. 0.00 min
Lab File: BG023351.D
Acq: 30 Jul 2016 2:35

**Instrument :**
BNA_G
**ClientSampleId :**
GW-34-7.0-15.0MSD

Tgt Ion: 99 Resp: 592286

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 15.2 | 17.8 | 26.6# |
| 71 | 36.1 | 41.5 | 62.3# |

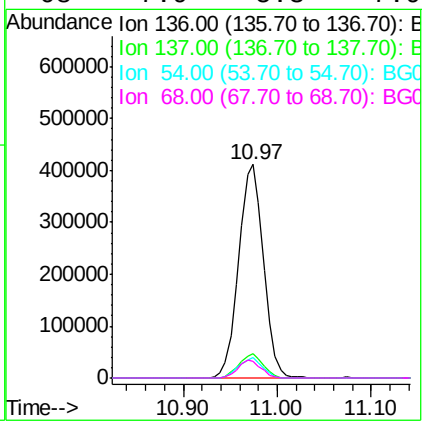


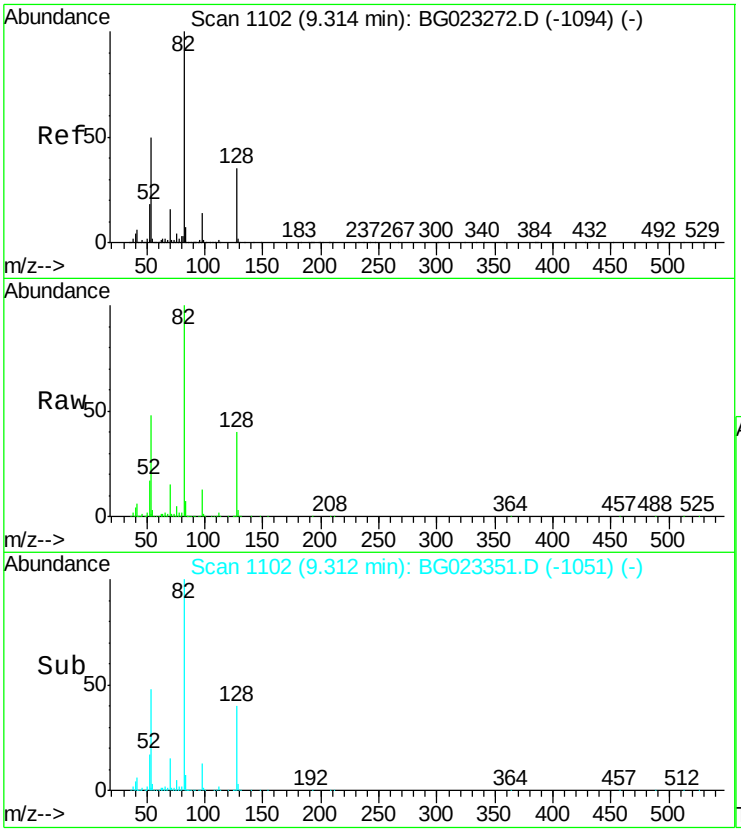




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.97 min Scan# 1385
Delta R.T. -0.00 min
Lab File: BG023351.D
Acq: 30 Jul 2016 2:35

Tgt Ion:136 Resp: 750064

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.4 | 9.6 | 14.4 |
| 54 | 9.7 | 7.3 | 10.9 |
| 68 | 7.9 | 5.3 | 7.9 |



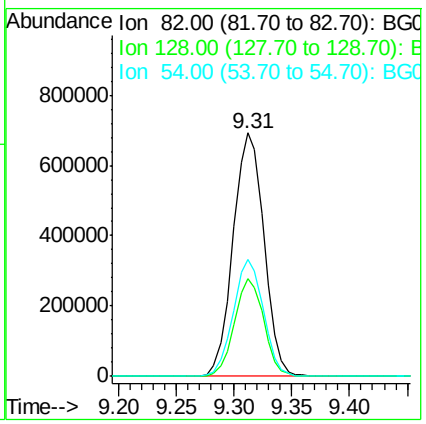


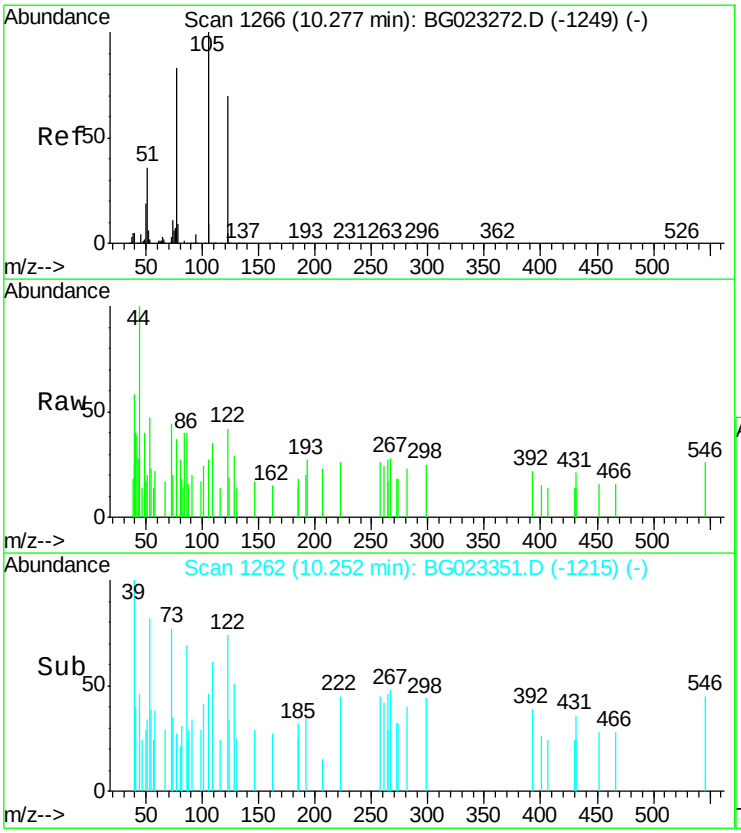

#23
Nitrobenzene-d5
Concen: 83.61 ng
RT: 9.31 min Scan# 1102
Delta R.T. 0.00 min
Lab File: BG023351.D
Acq: 30 Jul 2016 2:35

**Instrument :**
BNA_G
**ClientSampleId :**
GW-34-7.0-15.0MSD

Tgt Ion: 82 Resp: 1282378

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 39.9 | 24.4 | 36.6# |
| 54 | 47.8 | 41.4 | 62.0 |

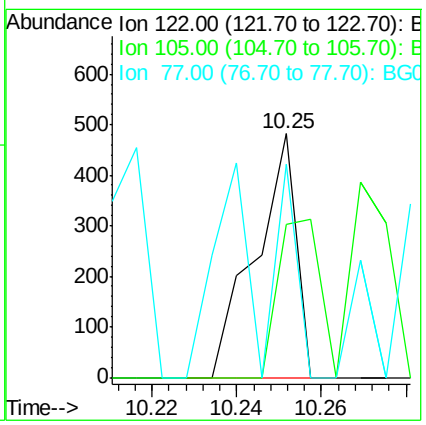


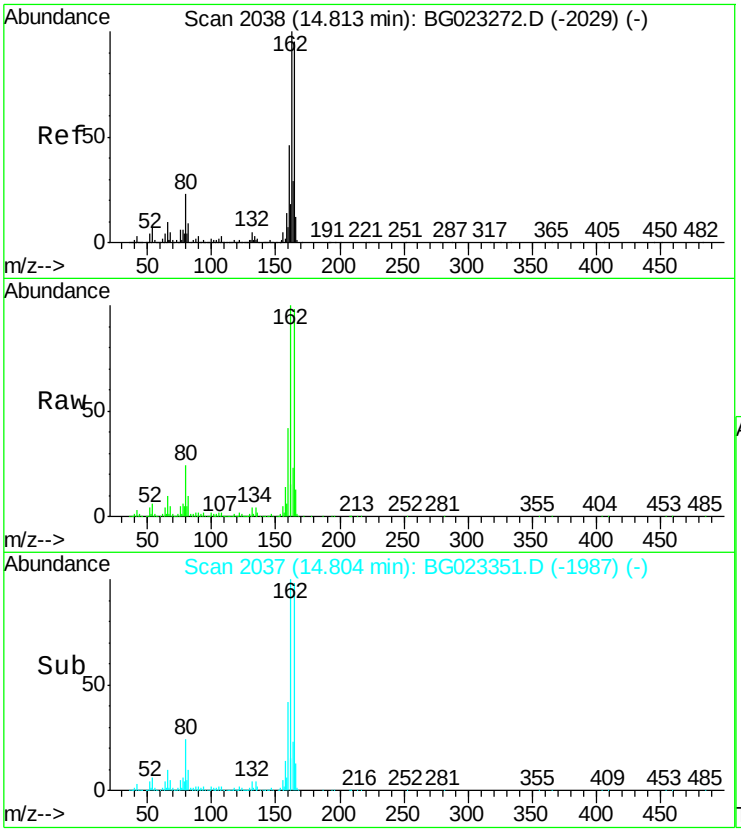




#32
Benzoic acid
Concen: 8.14 ng
RT: 10.25 min Scan# 1262
Delta R.T. -0.03 min
Lab File: BG023351.D
Acq: 30 Jul 2016 2:35

Tgt Ion:122 Resp: 326

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 62.9 | 117.2 | 157.2# |
| 77 | 87.3 | 109.2 | 149.2# |



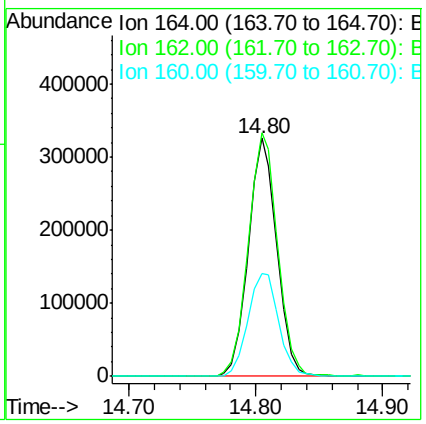


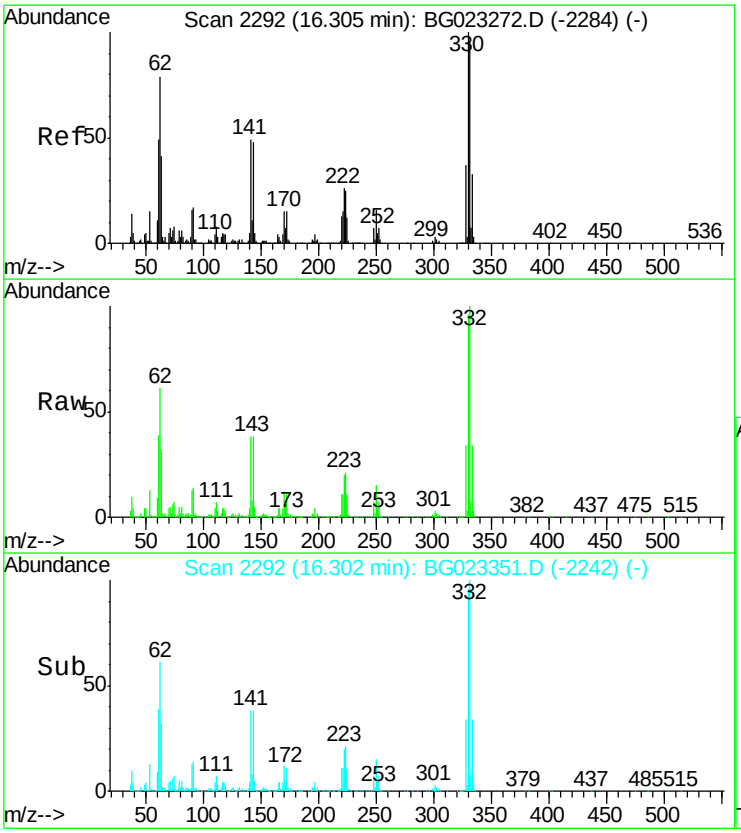

#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.80 min Scan# 2037
Delta R.T. -0.00 min
Lab File: BG023351.D
Acq: 30 Jul 2016 2:35

**Instrument :**
BNA_G
**ClientSampleId :**
GW-34-7.0-15.0MSD

Tgt Ion:164 Resp: 508074

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.2 | 87.7 | 131.5 |
| 160 | 43.3 | 37.2 | 55.8 |

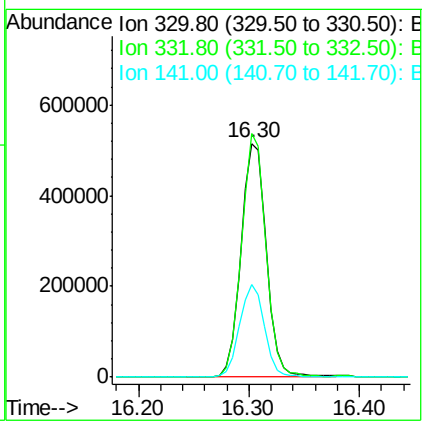


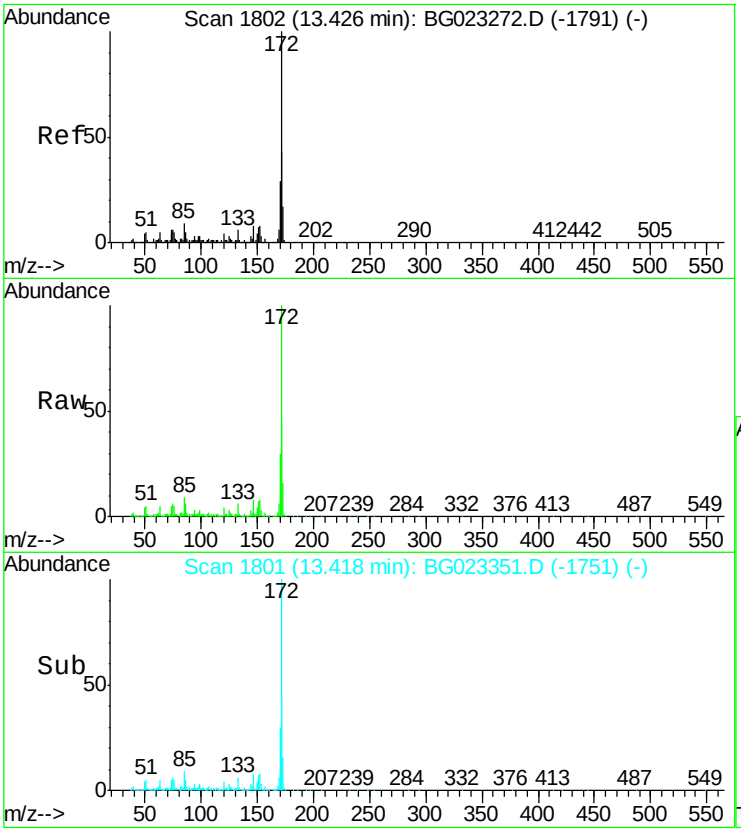




#41
2,4,6-Tribromophenol
Concen: 158.03 ng
RT: 16.30 min Scan# 2292
Delta R.T. -0.00 min
Lab File: BG023351.D
Acq: 30 Jul 2016 2:35

Tgt Ion:330 Resp: 831038

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 100.3 | 77.4 | 116.2 |
| 141 | 38.9 | 31.7 | 47.5 |



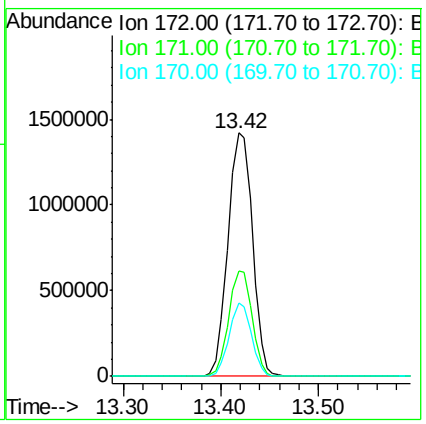


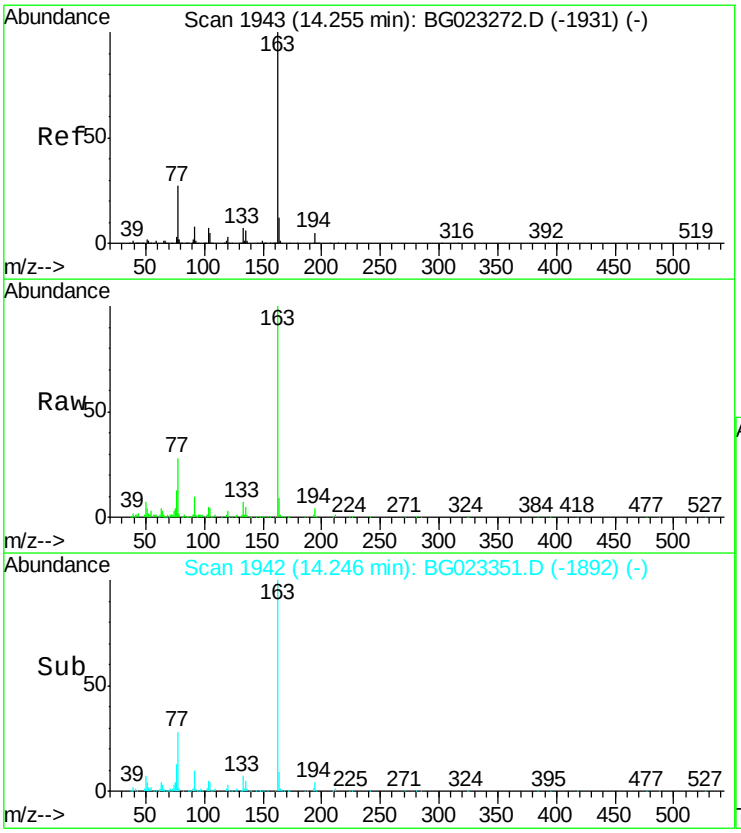

#44
2-Fluorobiphenyl
Concen: 91.46 ng
RT: 13.42 min Scan# 1801
Delta R.T. -0.00 min
Lab File: BG023351.D
Acq: 30 Jul 2016 2:35

**Instrument :**
BNA_G
**ClientSampleId :**
GW-34-7.0-15.0MSD

Tgt Ion:172 Resp: 2482916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 43.5 | 31.6 | 47.4 |
| 170 | 29.9 | 21.3 | 31.9 |

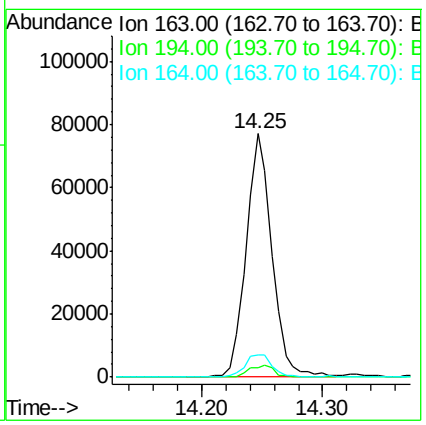


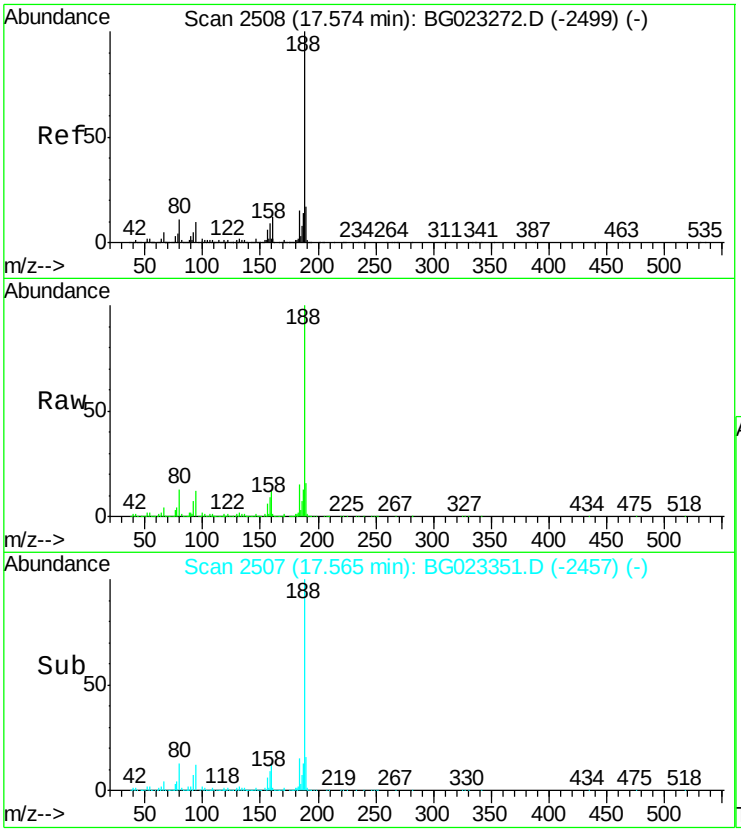




#49
Dimethylphthalate
Concen: 3.06 ng
RT: 14.25 min Scan# 1942
Delta R.T. -0.00 min
Lab File: BG023351.D
Acq: 30 Jul 2016 2:35

Tgt Ion:163 Resp: 114805

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.9 | 3.6 | 5.4 |
| 164 | 9.3 | 8.1 | 12.1 |



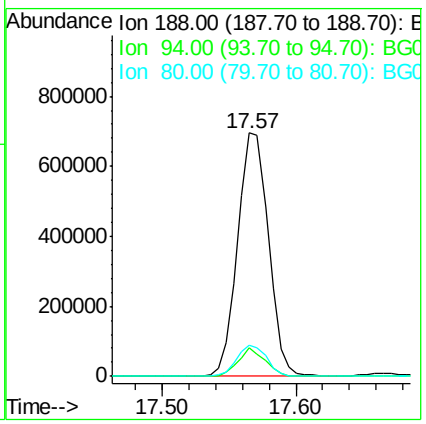


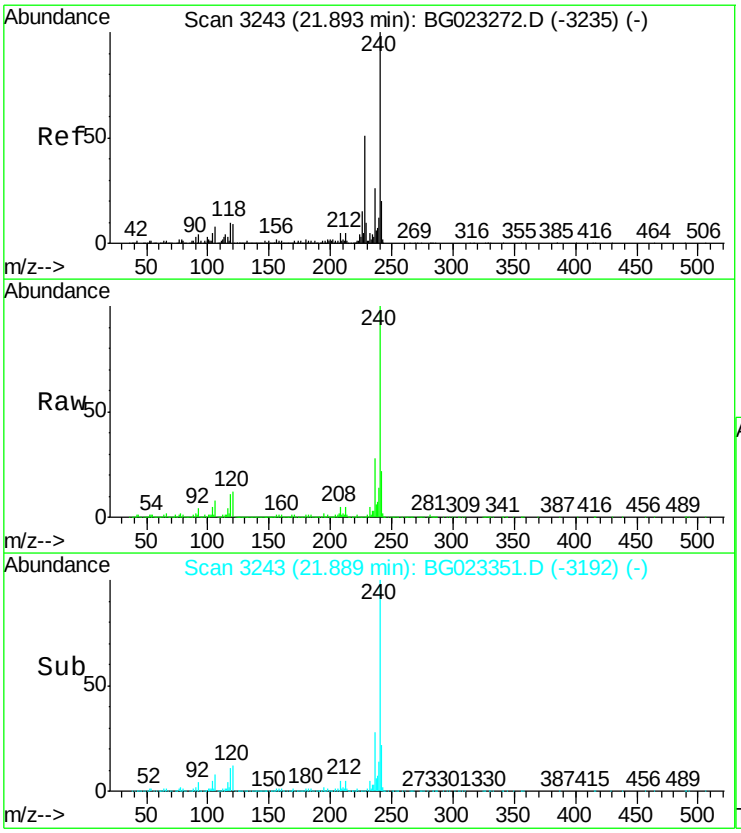

#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.57 min Scan# 2507
Delta R.T. -0.00 min
Lab File: BG023351.D
Acq: 30 Jul 2016 2:35

**Instrument :**
BNA_G
**ClientSampleId :**
GW-34-7.0-15.0MSD

Tgt Ion:188 Resp: 1110454

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 11.8 | 5.2 | 7.8# |
| 80 | 12.7 | 7.2 | 10.8# |

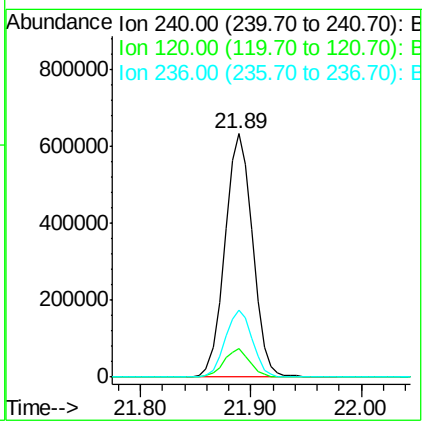


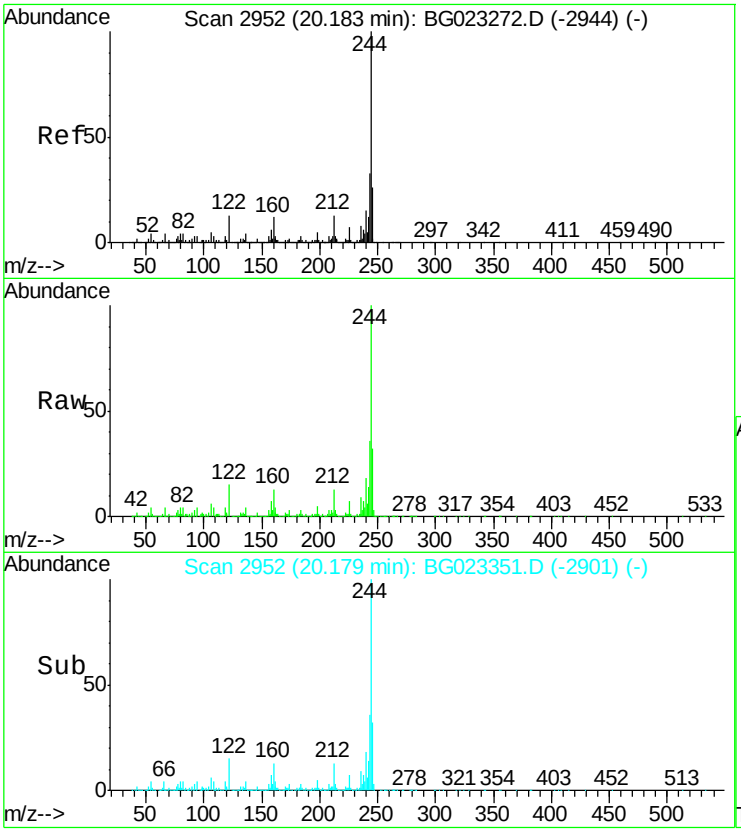




#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.89 min Scan# 3243
Delta R.T. 0.00 min
Lab File: BG023351.D
Acq: 30 Jul 2016 2:35

Tgt Ion:240 Resp: 1112171

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.7 | 4.1 | 6.1# |
| 236 | 27.7 | 21.1 | 31.7 |



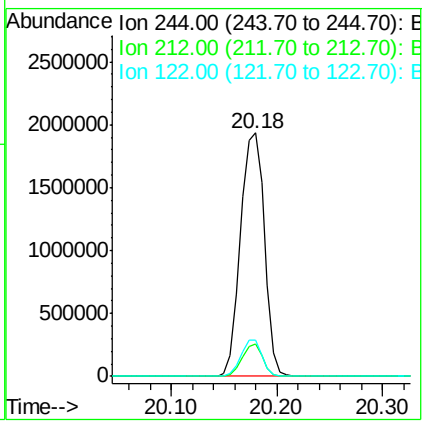


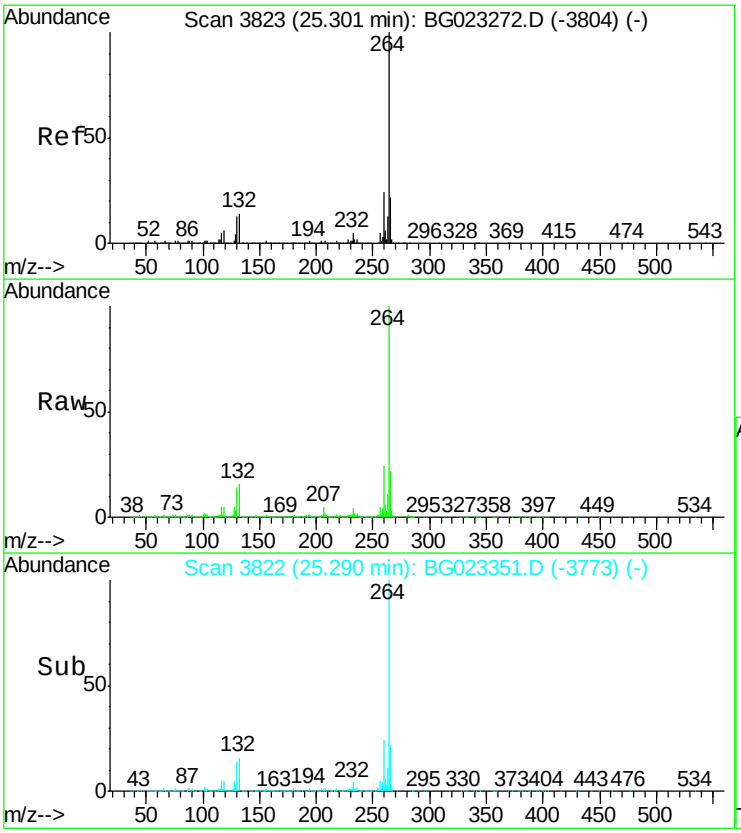

#78
Terphenyl-d14
Concen: 88.86 ng
RT: 20.18 min Scan# 2952
Delta R.T. 0.00 min
Lab File: BG023351.D
Acq: 30 Jul 2016 2:35

**Instrument :**
BNA_G
**ClientSampleId :**
GW-34-7.0-15.0MSD

Tgt Ion:244 Resp: 3040111

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 13.4 | 10.8 | 16.2 |
| 122 | 14.8 | 8.0 | 12.0# |




#86
Perylene-d12
Concen: 20.00 ng
RT: 25.29 min Scan# 3822
Delta R.T. -0.01 min
Lab File: BG023351.D
Acq: 30 Jul 2016 2:35

Tgt Ion:264 Resp: 1130718

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.7 | 18.4 | 27.6 |
| 265 | 22.0 | 18.9 | 28.3 |