Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052015\
Data File : BG017231.D
Acq On : 21 May 2015 3:10
Operator : TP/IZ
Sample : G2301-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** MW11

Quant Time: May 21 05:00:09 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG051315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 21 04:37:30 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.69 | 152 | 42589 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.49 | 136 | 175635 | 20.00 | ng | 0.00 |
| 38) Acenaphthene-d10 | 14.35 | 164 | 115364 | 20.00 | ng | 0.00 |
| 63) Phenanthrene-d10 | 17.10 | 188 | 276930 | 20.00 | ng | 0.00 |
| 75) Chrysene-d12 | 21.28 | 240 | 302989 | 20.00 | ng | 0.00 |
| 86) Perylene-d12 | 23.55 | 264 | 307527 | 20.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.29 | 112 | 122526 | 51.04 | ng | 0.00 |
| 7) Phenol-d6 | 6.90 | 99 | 98409 | 29.21 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 8.85 | 82 | 300580 | 79.90 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 15.85 | 330 | 189933 | 136.20 | ng | 0.00 |
| 44) 2-Fluorobiphenyl | 12.97 | 172 | 621934 | 79.11 | ng | 0.00 |
| 78) Terphenyl-d14 | 19.73 | 244 | 1070988 | 73.66 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |

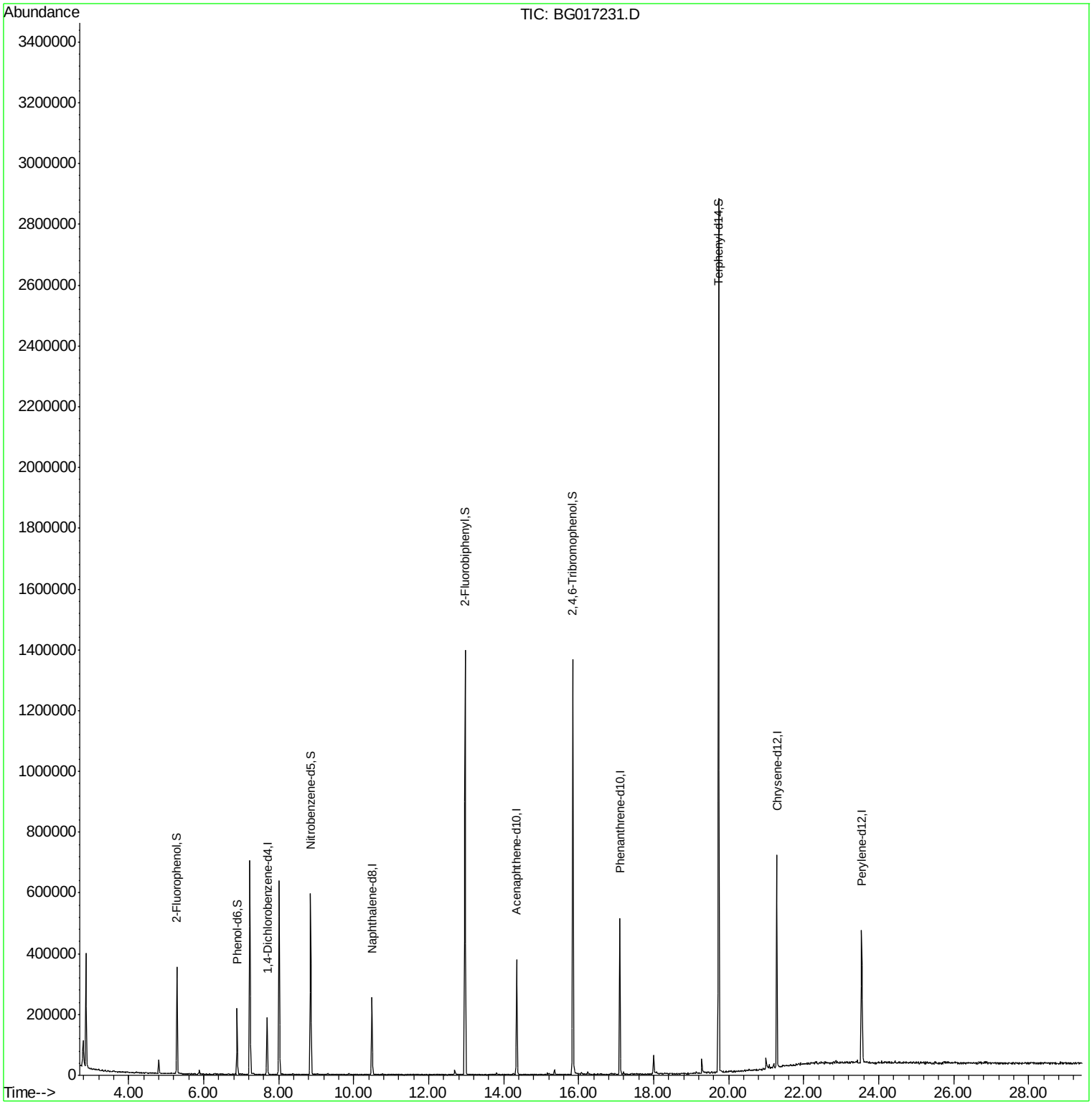
(#) = qualifier out of range (m) = manual integration (+) = signals summed

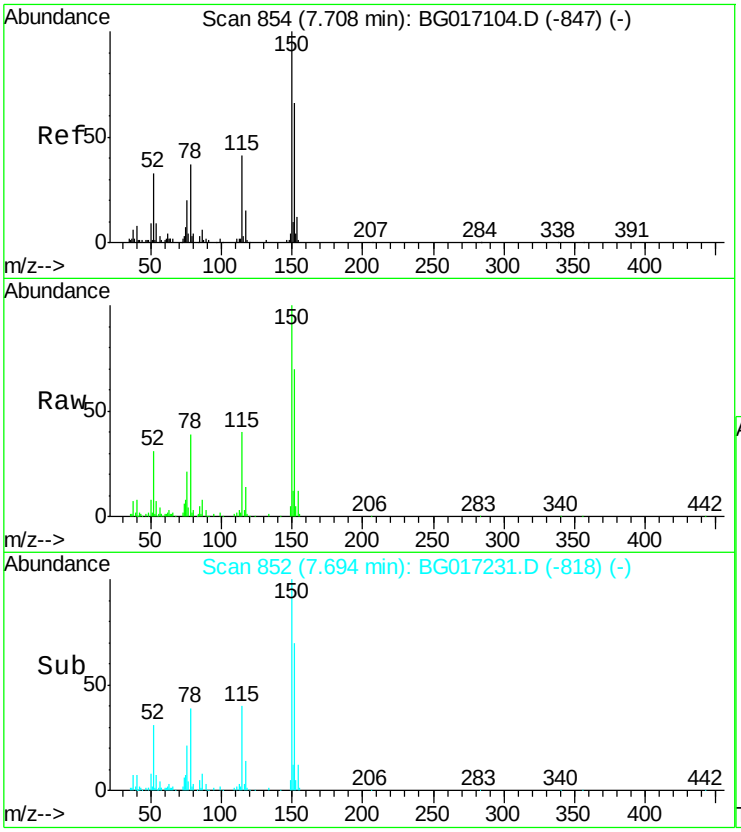
Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052015\
Data File : BG017231.D
Acq On : 21 May 2015 3:10
Operator : TP/IZ
Sample : G2301-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** MW11

Quant Time: May 21 05:00:09 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG051315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 21 04:37:30 2015
Response via : Initial Calibration



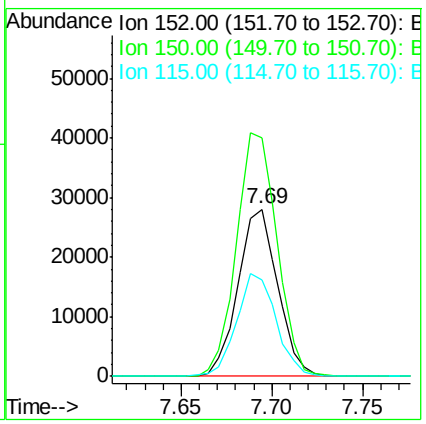


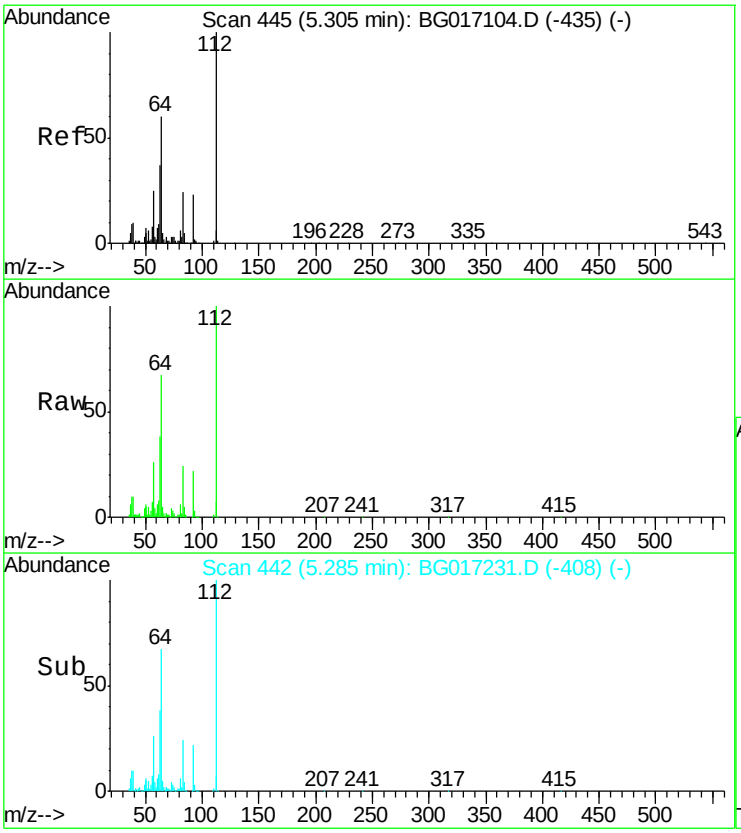

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.69 min Scan# 852
Delta R.T. 0.00 min
Lab File: BG017231.D
Acq: 21 May 2015 3:10

**Instrument :**
BNA_G
**ClientSampleId :**
MW11

Tgt Ion:152 Resp: 42589

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 142.3 | 120.8 | 181.2 |
| 115 | 57.5 | 49.4 | 74.2 |

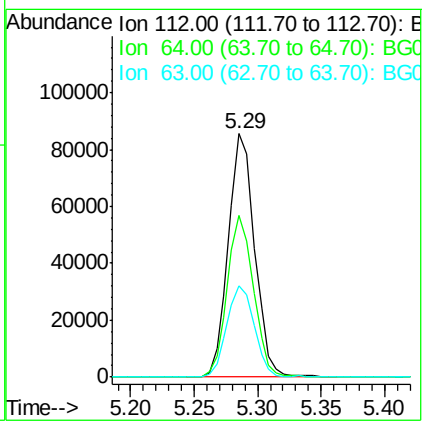


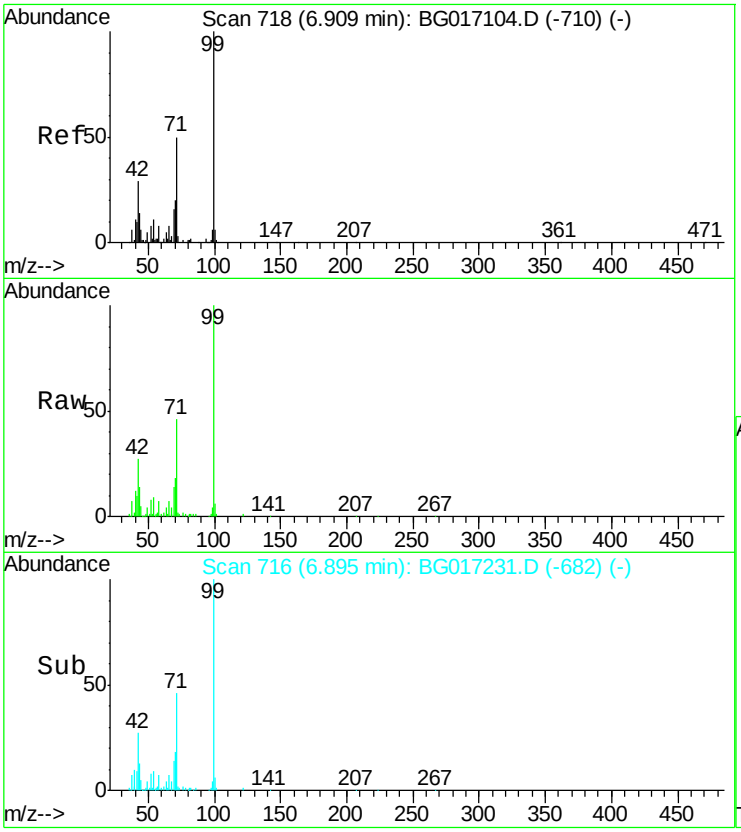




#5
2-Fluorophenol
Concen: 51.04 ng
RT: 5.29 min Scan# 442
Delta R.T. 0.00 min
Lab File: BG017231.D
Acq: 21 May 2015 3:10

Tgt Ion:112 Resp: 122526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 66.5 | 48.1 | 72.1 |
| 63 | 37.7 | 29.8 | 44.8 |



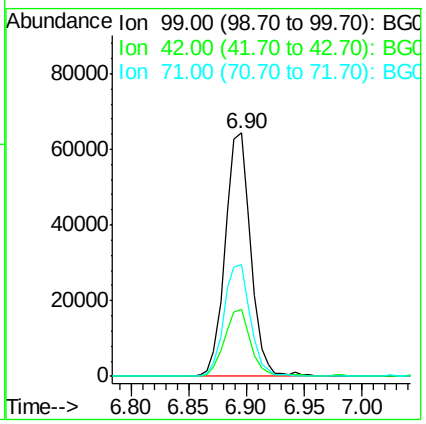


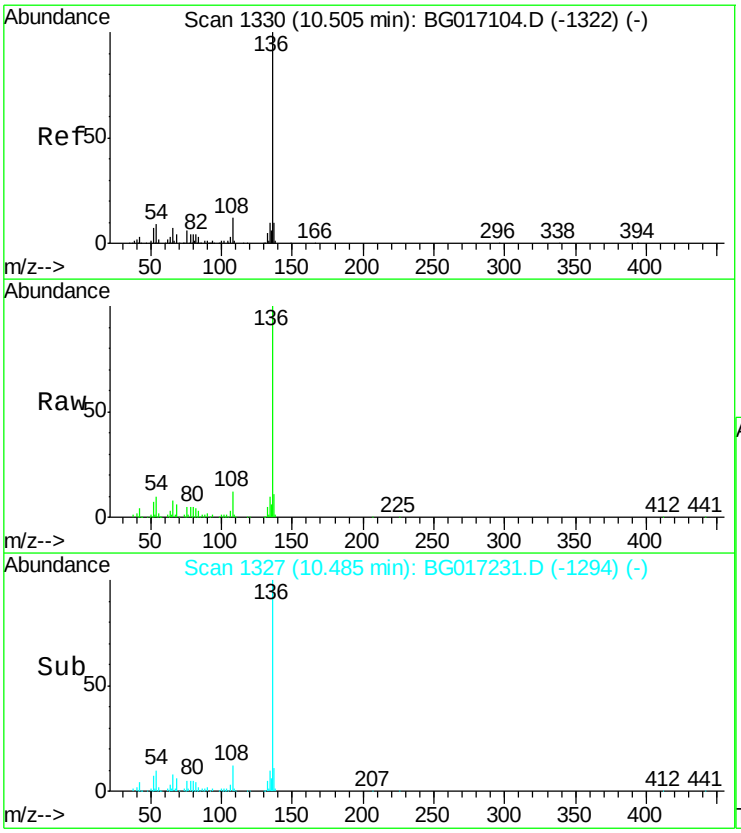

#7
Phenol-d6
Concen: 29.21 ng
RT: 6.90 min Scan# 716
Delta R.T. 0.00 min
Lab File: BG017231.D
Acq: 21 May 2015 3:10

**Instrument :**
BNA_G
**ClientSampleId :**
MW11

Tgt Ion: 99 Resp: 98409

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 27.4 | 23.5 | 35.3 |
| 71 | 46.1 | 39.8 | 59.8 |

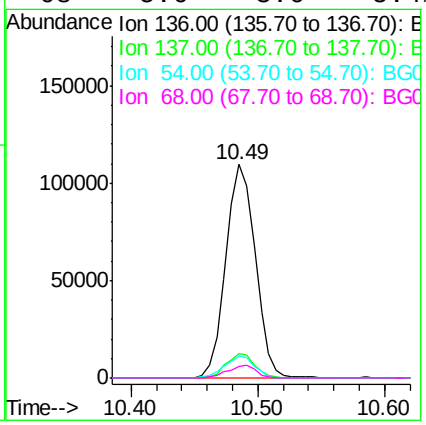


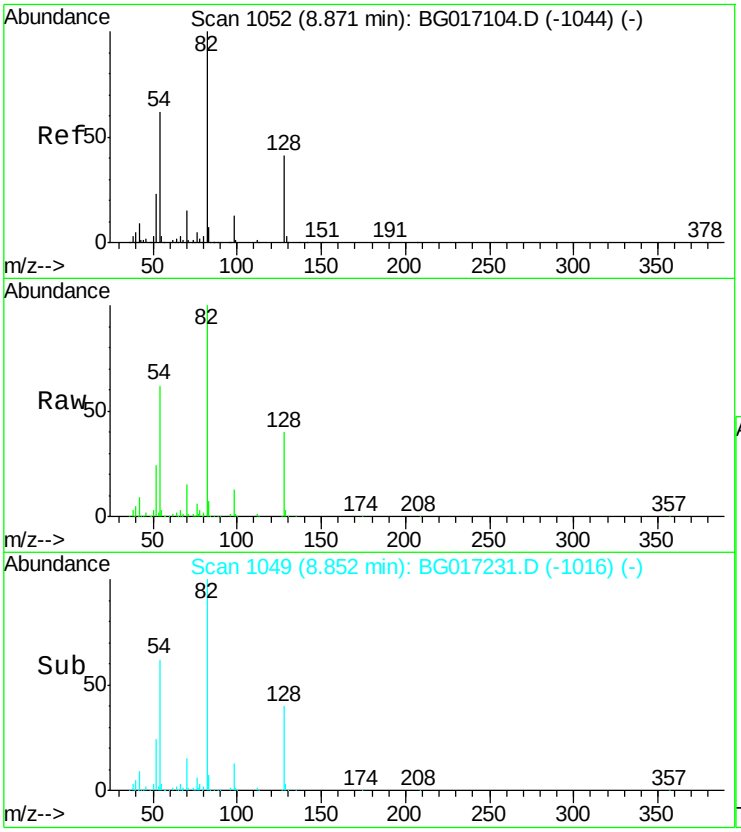




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.49 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BG017231.D
Acq: 21 May 2015 3:10

Tgt Ion:136 Resp: 175635

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.3 | 8.3 | 12.5 |
| 54 | 10.2 | 7.4 | 11.2 |
| 68 | 5.6 | 3.6 | 5.4# |



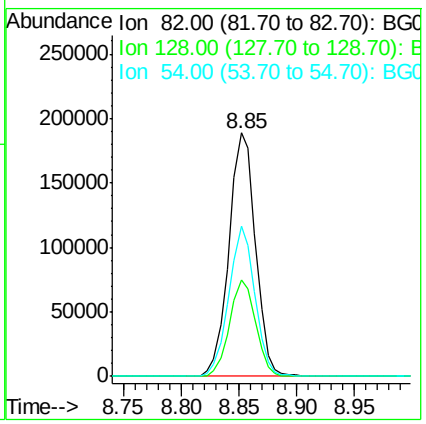


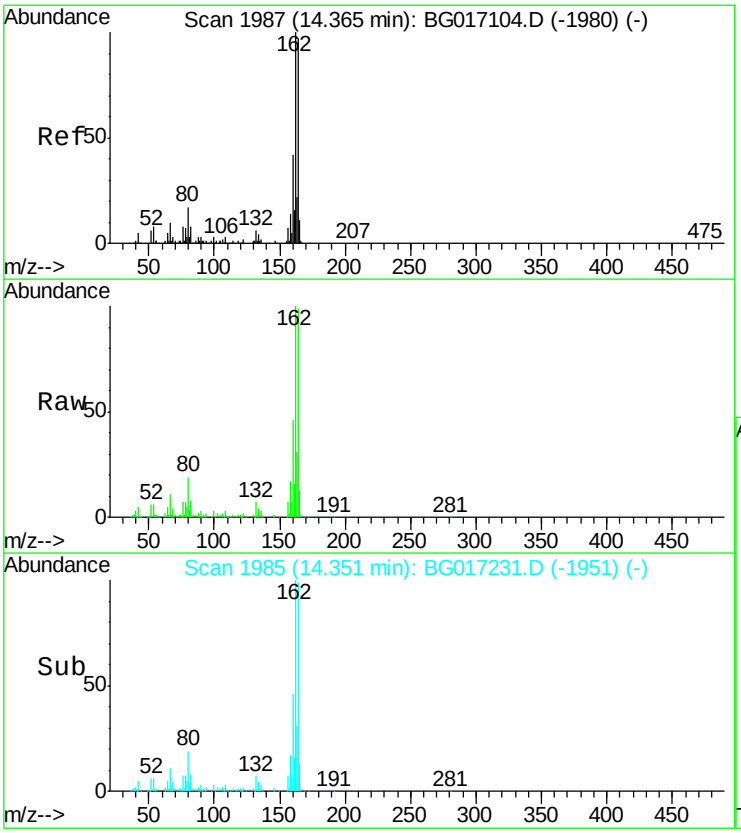

#23
Nitrobenzene-d5
Concen: 79.90 ng
RT: 8.85 min Scan# 1049
Delta R.T. -0.01 min
Lab File: BG017231.D
Acq: 21 May 2015 3:10

**Instrument :**
BNA_G
**ClientSampleId :**
MW11

Tgt Ion: 82 Resp: 300580

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 39.6 | 32.6 | 49.0 |
| 54 | 61.7 | 49.6 | 74.4 |

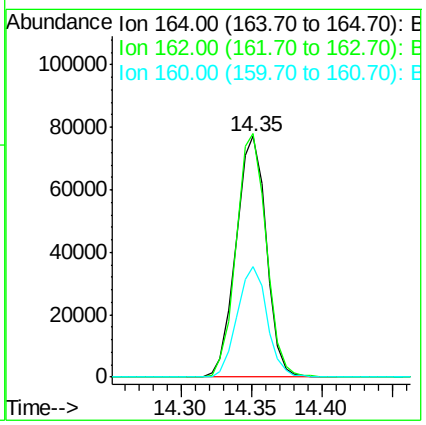


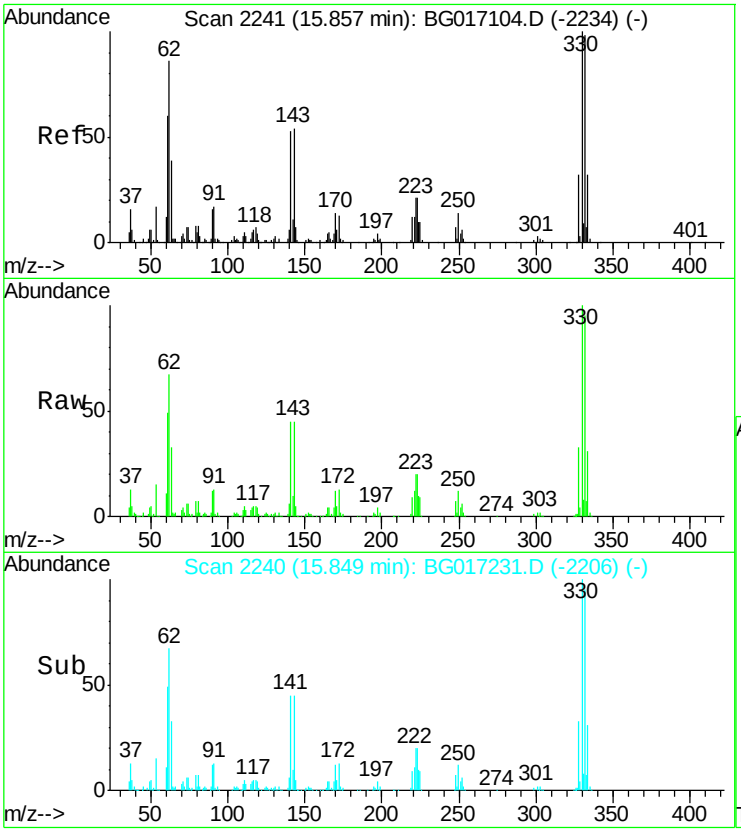




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.35 min Scan# 1985
Delta R.T. 0.00 min
Lab File: BG017231.D
Acq: 21 May 2015 3:10

Tgt Ion:164 Resp: 115364

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.0 | 82.1 | 123.1 |
| 160 | 46.0 | 34.8 | 52.2 |



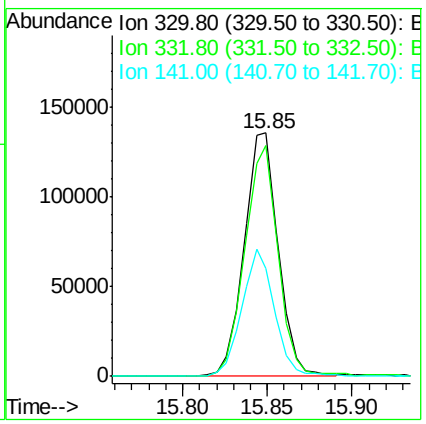


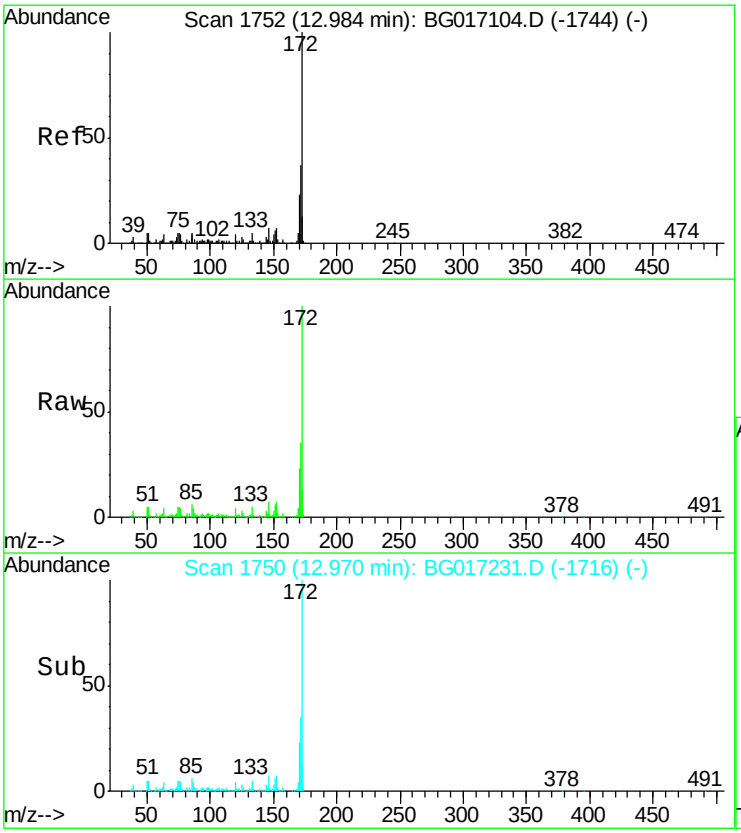

#41
2,4,6-Tribromophenol
Concen: 136.20 ng
RT: 15.85 min Scan# 2240
Delta R.T. 0.00 min
Lab File: BG017231.D
Acq: 21 May 2015 3:10

**Instrument :**
BNA_G
**ClientSampleId :**
MW11

Tgt Ion:330 Resp: 189933

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 93.2 | 76.9 | 115.3 |
| 141 | 50.9 | 42.2 | 63.2 |

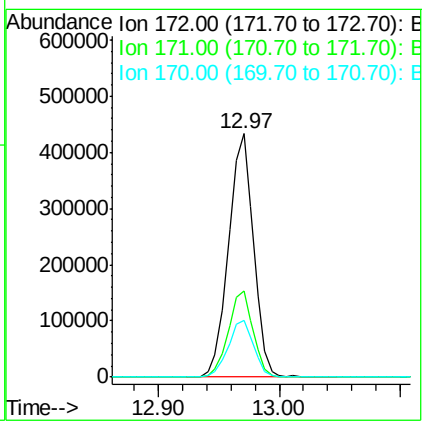


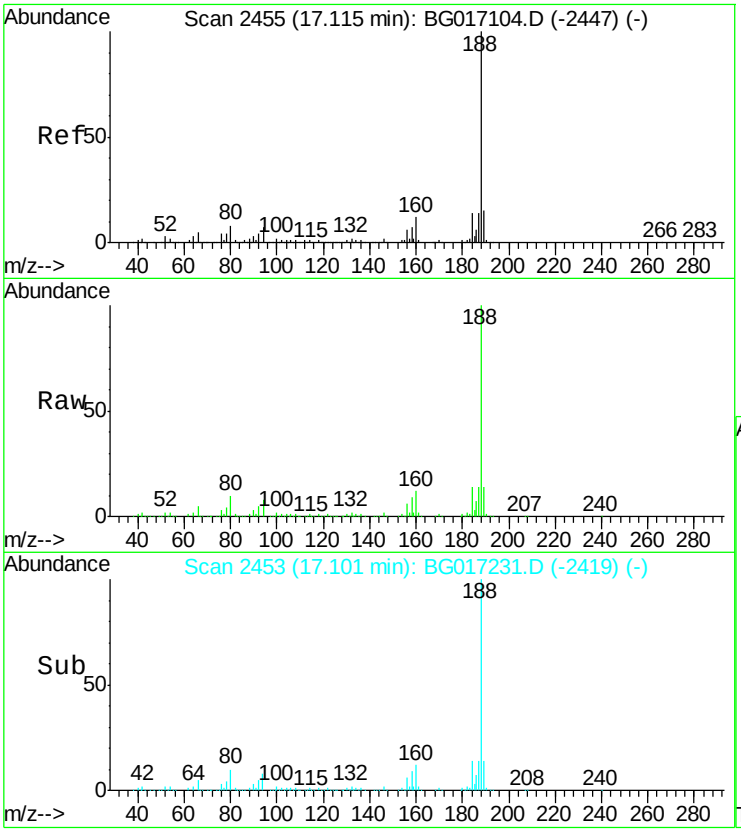




#44
2-Fluorobiphenyl
Concen: 79.11 ng
RT: 12.97 min Scan# 1750
Delta R.T. 0.00 min
Lab File: BG017231.D
Acq: 21 May 2015 3:10

Tgt Ion:172 Resp: 621934

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.4 | 29.7 | 44.5 |
| 170 | 23.3 | 18.4 | 27.6 |



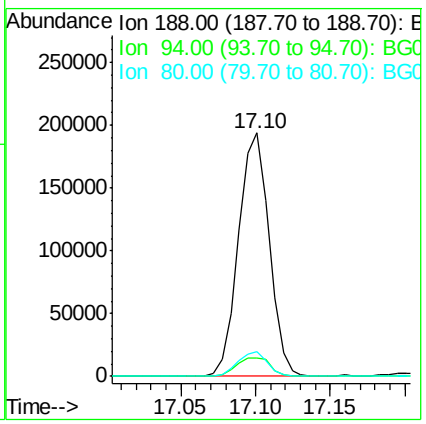


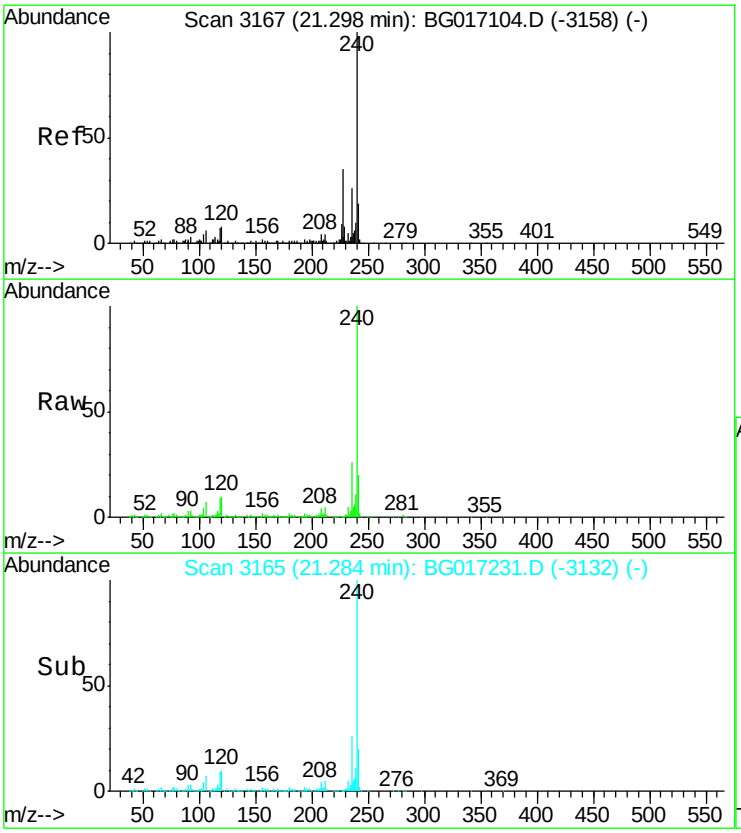

#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.10 min Scan# 2453
Delta R.T. 0.00 min
Lab File: BG017231.D
Acq: 21 May 2015 3:10

**Instrument :**
BNA_G
**ClientSampleId :**
MW11

Tgt Ion:188 Resp: 276930

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.6 | 5.8 | 8.6 |
| 80 | 10.2 | 6.5 | 9.7# |

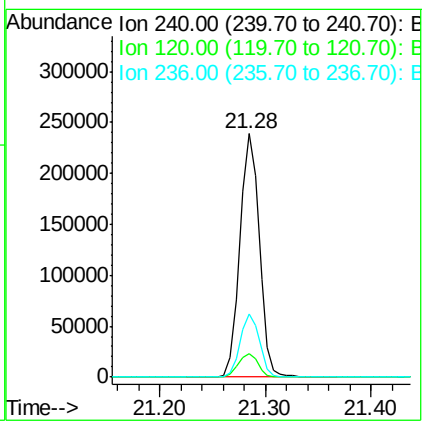


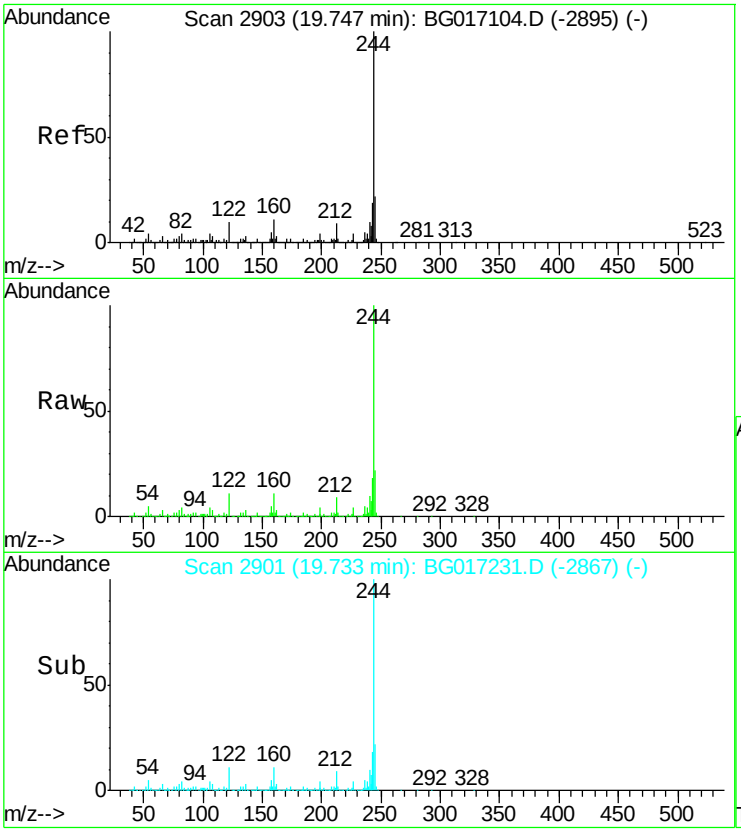




#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.28 min Scan# 3165
Delta R.T. -0.01 min
Lab File: BG017231.D
Acq: 21 May 2015 3:10

Tgt Ion:240 Resp: 302989

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.6 | 6.0 | 9.0# |
| 236 | 25.9 | 20.5 | 30.7 |



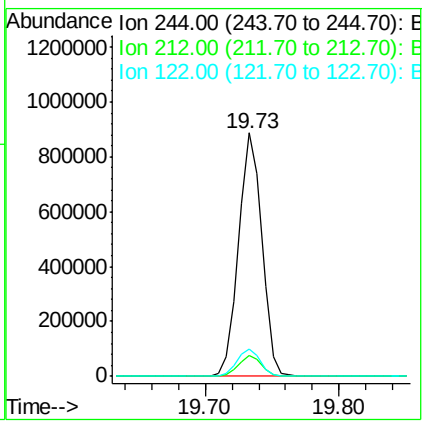


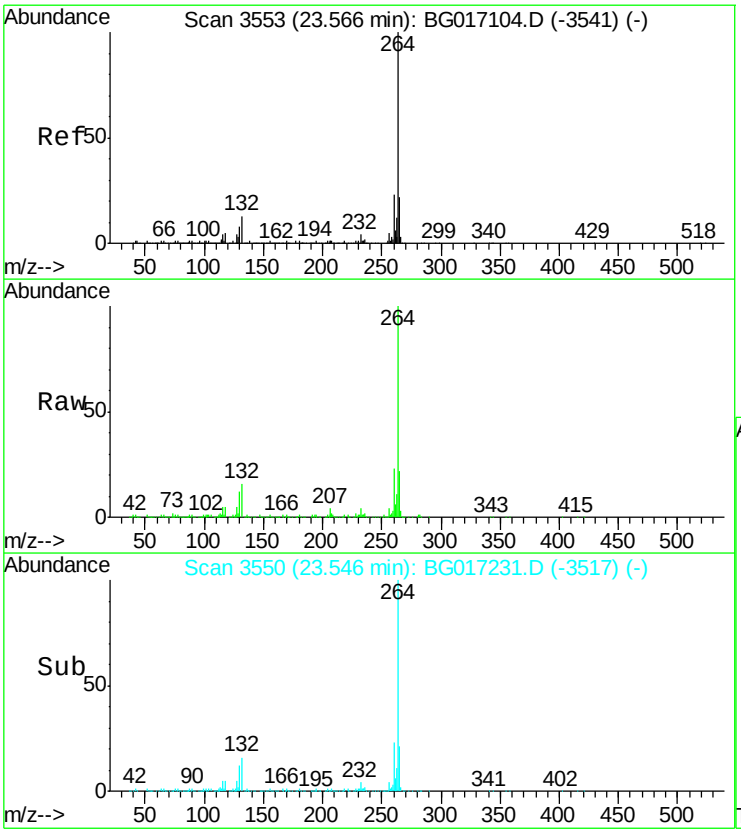

#78
Terphenyl-d14
Concen: 73.66 ng
RT: 19.73 min Scan# 2901
Delta R.T. 0.00 min
Lab File: BG017231.D
Acq: 21 May 2015 3:10

**Instrument :**
BNA_G
**ClientSampleId :**
MW11

Tgt Ion:244 Resp: 1070988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.5 | 7.0 | 10.4 |
| 122 | 11.3 | 8.4 | 12.6 |




#86
Perylene-d12
Concen: 20.00 ng
RT: 23.55 min Scan# 3550
Delta R.T. -0.01 min
Lab File: BG017231.D
Acq: 21 May 2015 3:10

Tgt Ion:264 Resp: 307527

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.1 | 18.0 | 27.0 |
| 265 | 21.7 | 17.4 | 26.0 |