Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122217\
Data File : BG031737.D
Acq On : 23 Dec 2017 7:39
Operator : SJ/JU
Sample : I7004-11
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C-MW-06-121917

Quant Time: Dec 25 06:15:17 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG122117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 22 11:08:55 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.82 | 152 | 50290 | 20.00 | ng | -0.02 |
| 21) Naphthalene-d8 | 11.71 | 136 | 202474 | 20.00 | ng | -0.01 |
| 38) Acenaphthene-d10 | 15.46 | 164 | 141714 | 20.00 | ng | -0.01 |
| 63) Phenanthrene-d10 | 18.19 | 188 | 359341 | 20.00 | ng | -0.01 |
| 75) Chrysene-d12 | 22.55 | 240 | 411400 | 20.00 | ng | -0.02 |
| 86) Perylene-d12 | 26.33 | 264 | 438389 | 20.00 | ng | -0.03 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 6.24 | 112 | 146383 | 53.02 | ng | -0.01 |
| 7) Phenol-d6 | 7.92 | 99 | 117592 | 32.80 | ng | -0.01 |
| 23) Nitrobenzene-d5 | 10.02 | 82 | 230803 | 86.08 | ng | -0.02 |
| 41) 2,4,6-Tribromophenol | 16.93 | 330 | 294524 | 136.20 | ng | -0.01 |
| 44) 2-Fluorobiphenyl | 14.09 | 172 | 904730 | 80.13 | ng | -0.01 |
| 78) Terphenyl-d14 | 20.73 | 244 | 1609241 | 89.37 | ng | -0.01 |
| **Target Compounds** | | | | | | Qvalue |

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

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Operator : SJ/JU
Sample : I7004-11
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
C-MW-06-121917

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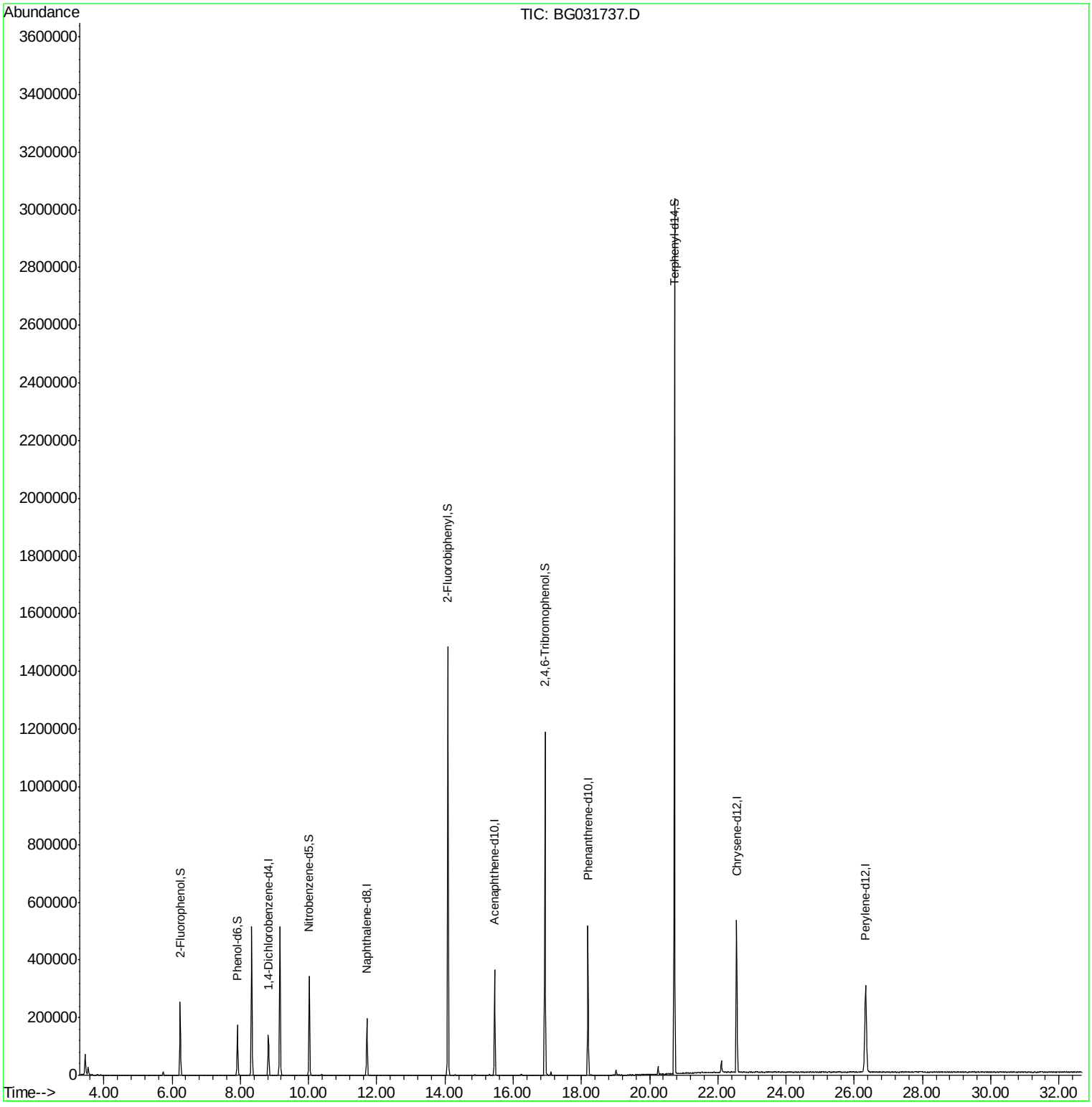
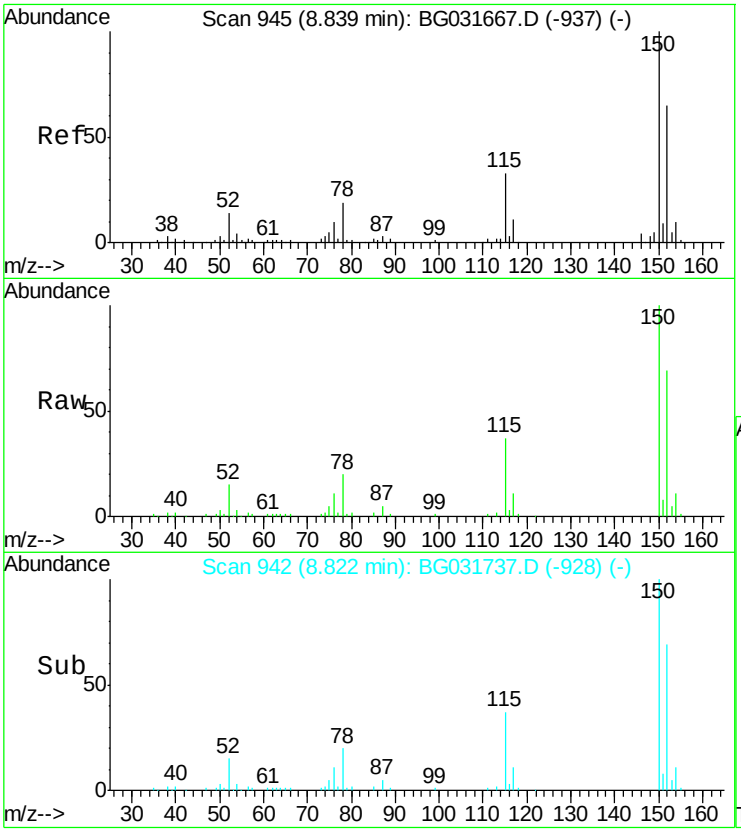


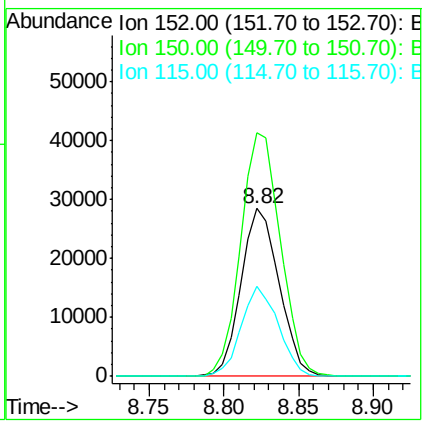


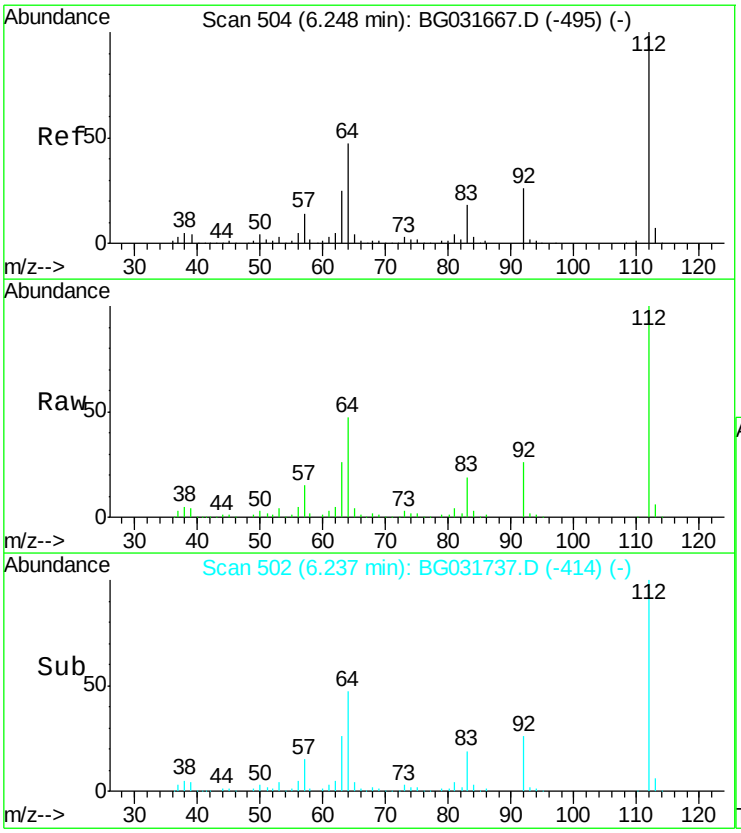

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.82 min Scan# 942
Delta R.T. -0.02 min
Lab File: BG031737.D
Acq: 23 Dec 2017 7:39

**Instrument :**
BNA_G
**ClientSampleId :**
C-MW-06-121917

Tgt Ion:152 Resp: 50290

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 145.1 | 126.6 | 189.8 |
| 115 | 53.9 | 53.0 | 79.4 |

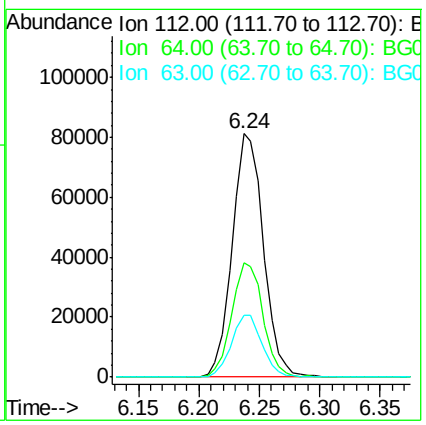


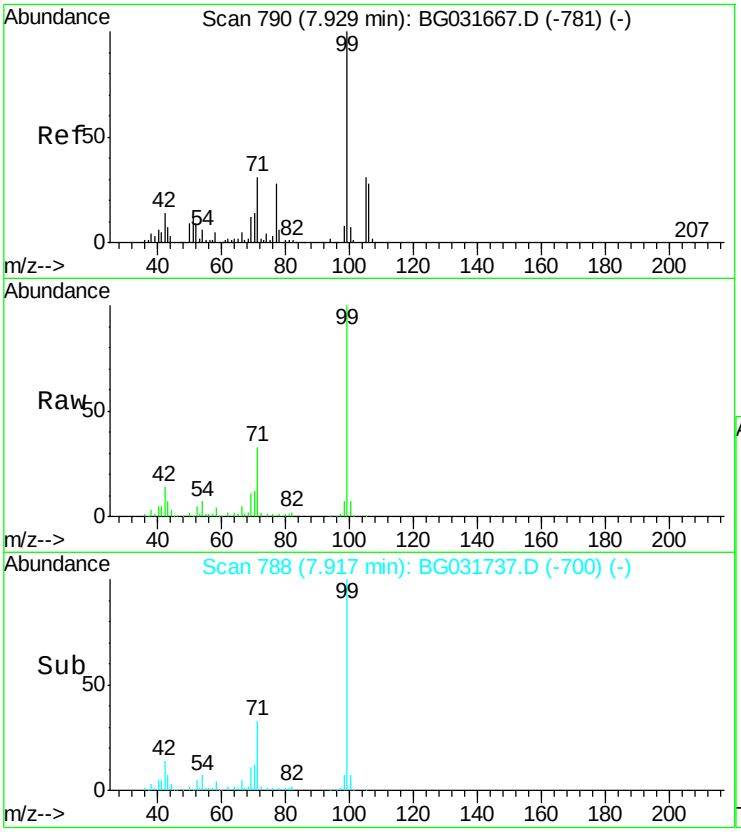




#5
2-Fluorophenol
Concen: 53.016 ng
RT: 6.24 min Scan# 502
Delta R.T. -0.01 min
Lab File: BG031737.D
Acq: 23 Dec 2017 7:39

Tgt Ion:112 Resp: 146383

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 47.0 | 56.3 | 84.5# |
| 63 | 25.6 | 30.1 | 45.1# |



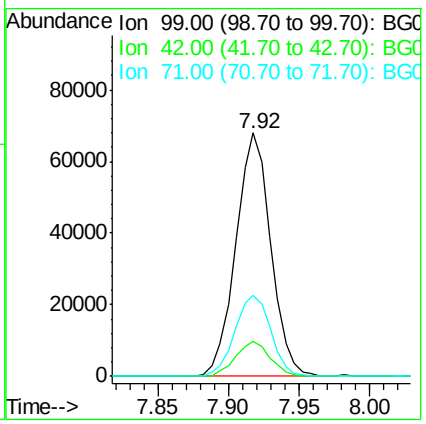


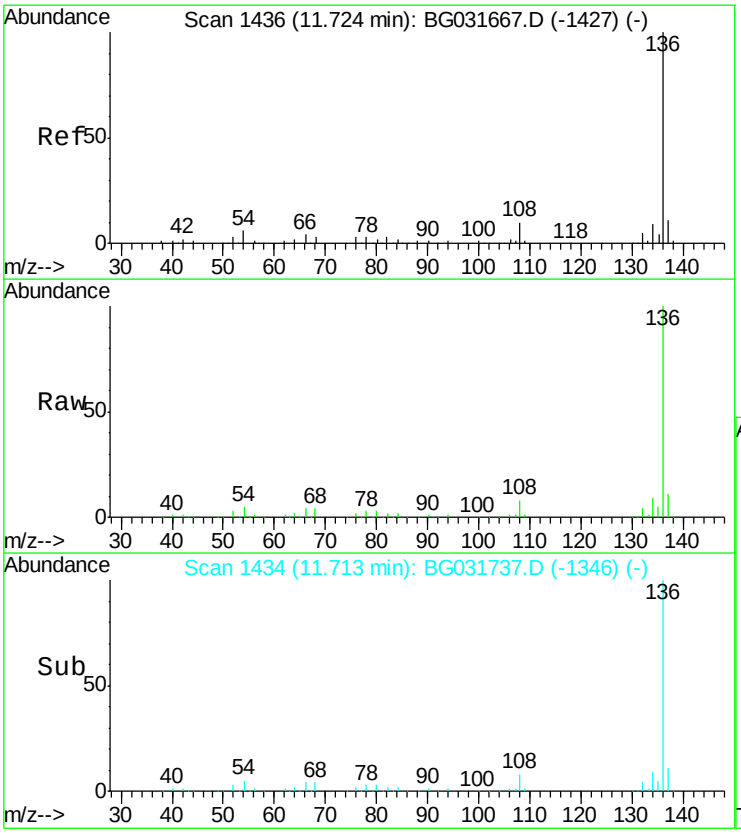

#7
Phenol-d6
Concen: 32.803 ng
RT: 7.92 min Scan# 788
Delta R.T. -0.01 min
Lab File: BG031737.D
Acq: 23 Dec 2017 7:39

**Instrument :**
BNA_G
**ClientSampleId :**
C-MW-06-121917

Tgt Ion: 99 Resp: 117592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 14.5 | 14.1 | 21.1 |
| 71 | 33.4 | 26.1 | 39.1 |

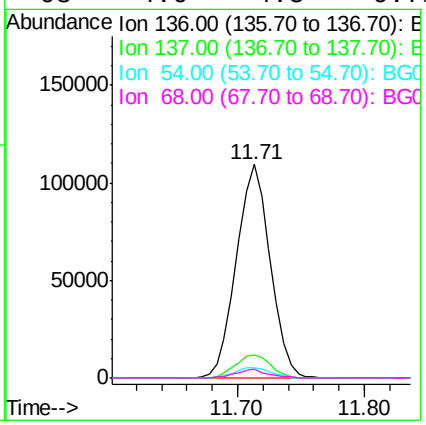


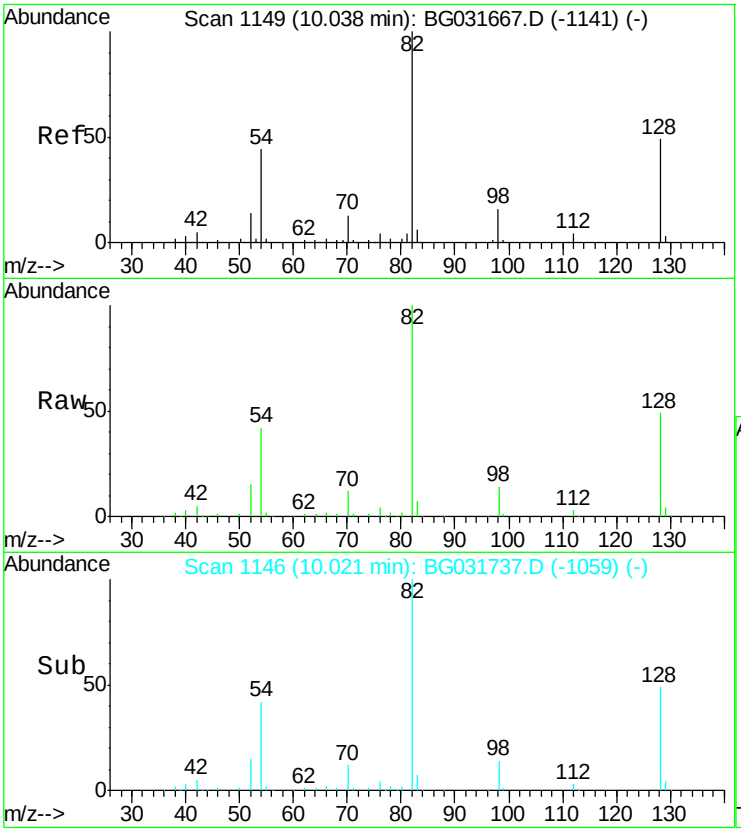




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.71 min Scan# 1434
Delta R.T. -0.01 min
Lab File: BG031737.D
Acq: 23 Dec 2017 7:39

Tgt Ion:136 Resp: 202474

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.1 | 9.2 | 13.8 |
| 54 | 5.0 | 10.3 | 15.5# |
| 68 | 4.0 | 4.5 | 6.7# |



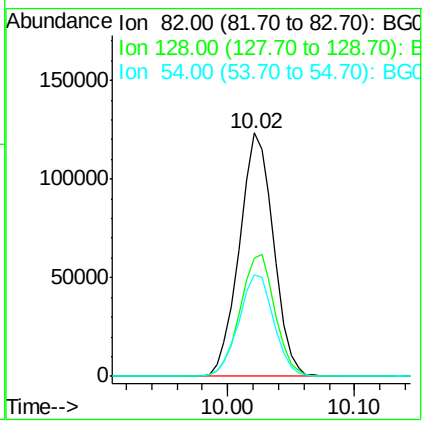


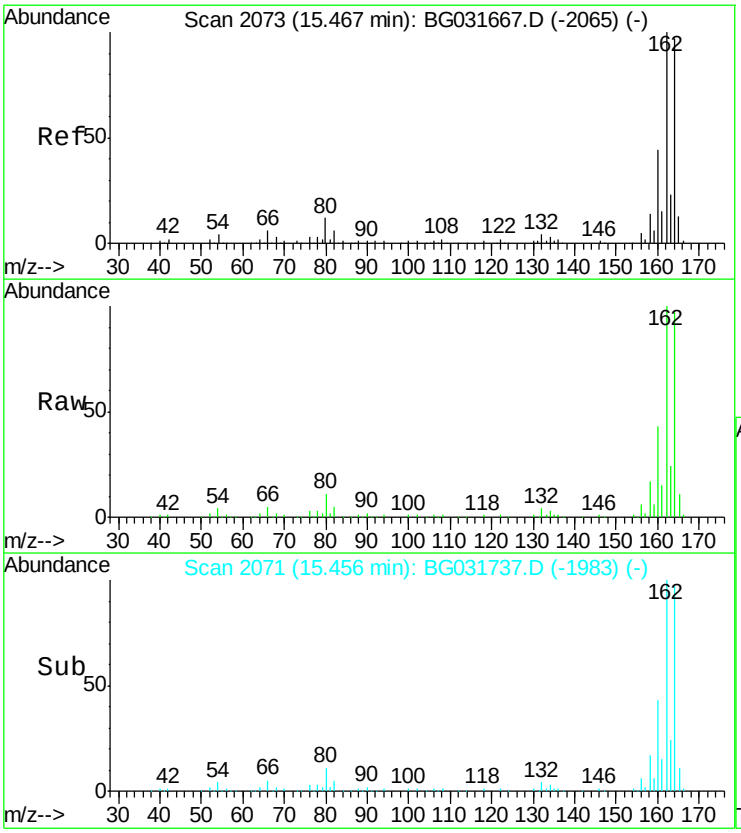

#23
Nitrobenzene-d5
Concen: 86.077 ng
RT: 10.02 min Scan# 1146
Delta R.T. -0.02 min
Lab File: BG031737.D
Acq: 23 Dec 2017 7:39

**Instrument :**
BNA_G
**ClientSampleId :**
C-MW-06-121917

Tgt Ion: 82 Resp: 230803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 48.7 | 29.7 | 44.5# |
| 54 | 41.7 | 43.1 | 64.7# |

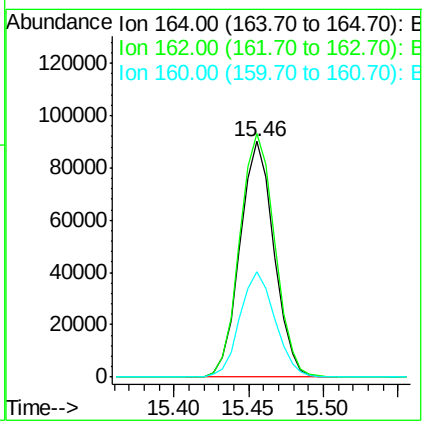


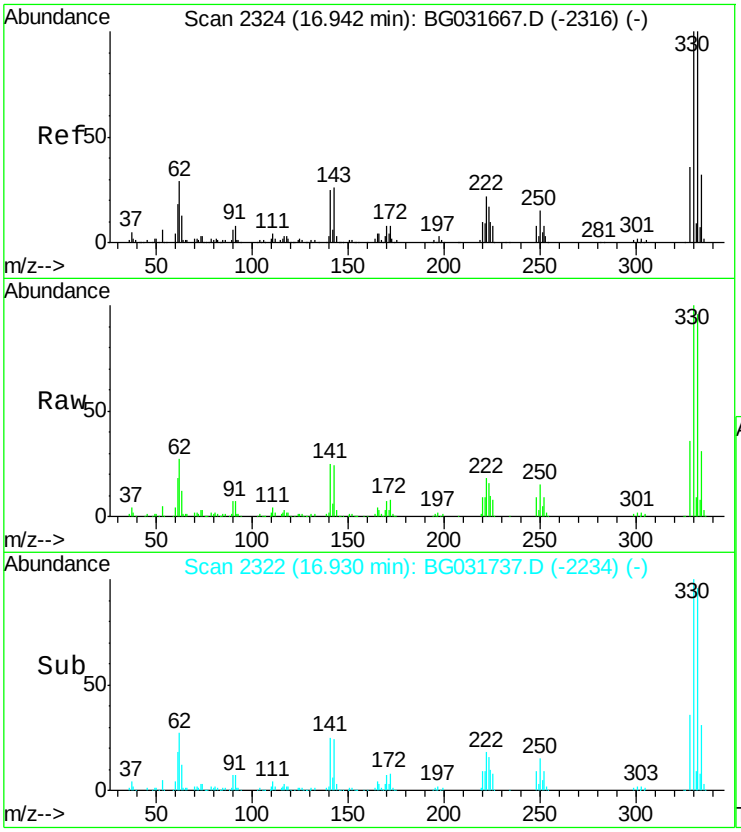




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.46 min Scan# 2071
Delta R.T. -0.01 min
Lab File: BG031737.D
Acq: 23 Dec 2017 7:39

Tgt Ion:164 Resp: 141714

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 103.4 | 78.8 | 118.2 |
| 160 | 44.7 | 35.4 | 53.0 |



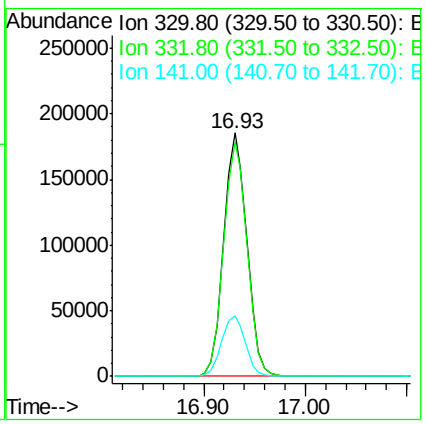


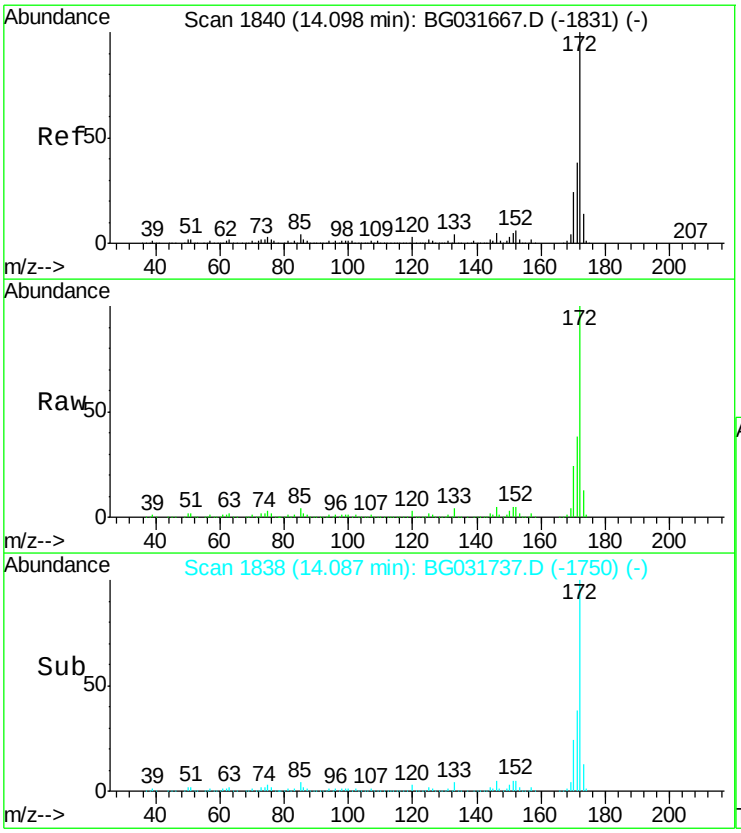

#41
2,4,6-Tribromophenol
Concen: 136.205 ng
RT: 16.93 min Scan# 2322
Delta R.T. -0.01 min
Lab File: BG031737.D
Acq: 23 Dec 2017 7:39

**Instrument :**
BNA_G
**ClientSampleId :**
C-MW-06-121917

Tgt Ion:330 Resp: 294524

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.9 | 77.0 | 115.6 |
| 141 | 25.4 | 25.2 | 37.8 |

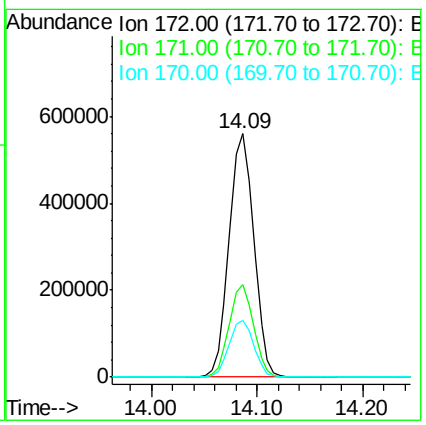


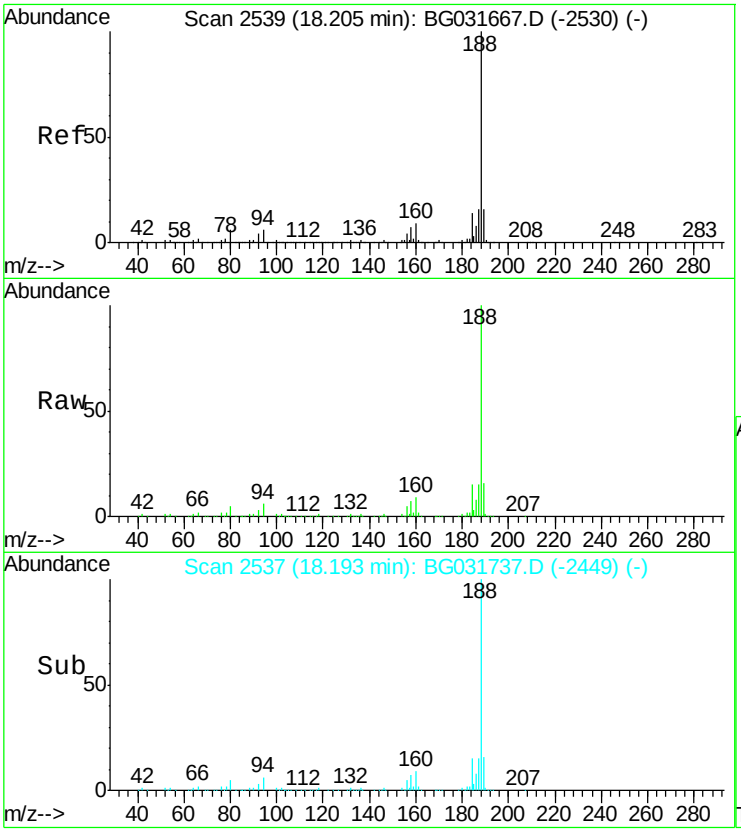




#44
2-Fluorobiphenyl
Concen: 80.130 ng
RT: 14.09 min Scan# 1838
Delta R.T. -0.01 min
Lab File: BG031737.D
Acq: 23 Dec 2017 7:39

Tgt Ion:172 Resp: 904730

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 38.2 | 30.0 | 45.0 |
| 170 | 23.5 | 19.5 | 29.3 |



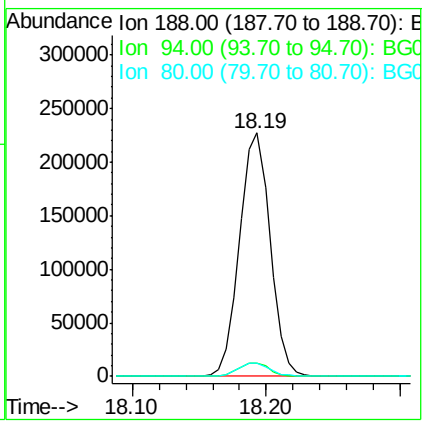


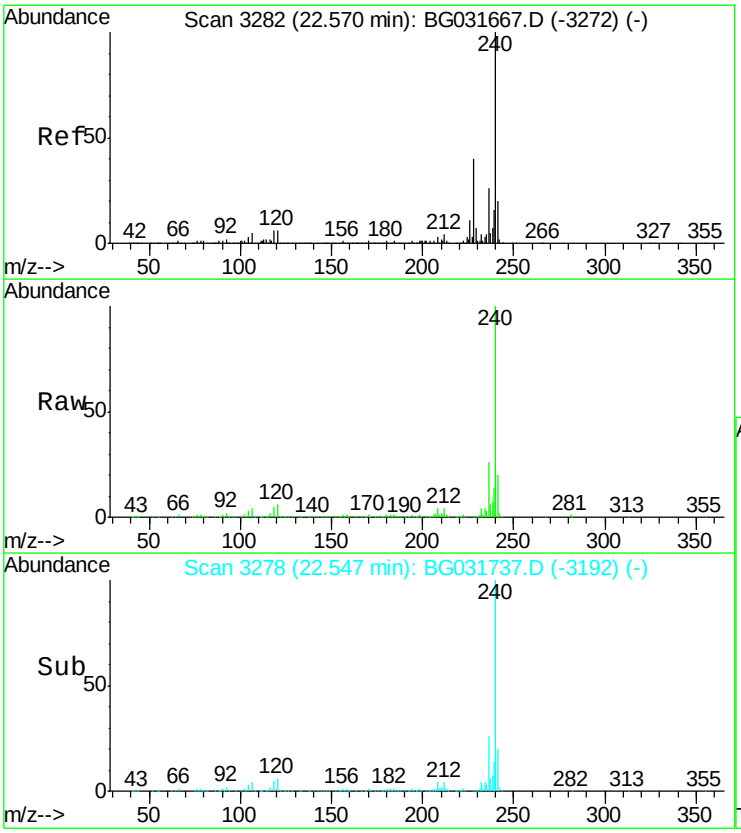

#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.19 min Scan# 2537
Delta R.T. -0.01 min
Lab File: BG031737.D
Acq: 23 Dec 2017 7:39

**Instrument :**
BNA_G
**ClientSampleId :**
C-MW-06-121917

Tgt Ion:188 Resp: 359341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 5.6 | 6.9 | 10.3# |
| 80 | 5.4 | 7.7 | 11.5# |

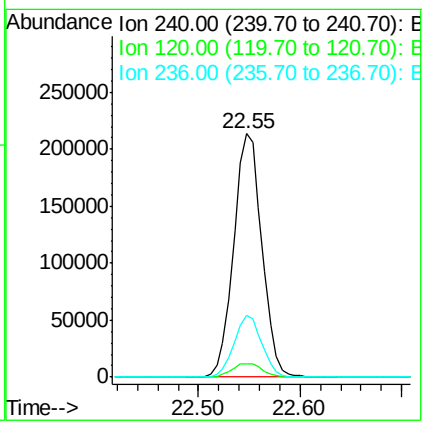


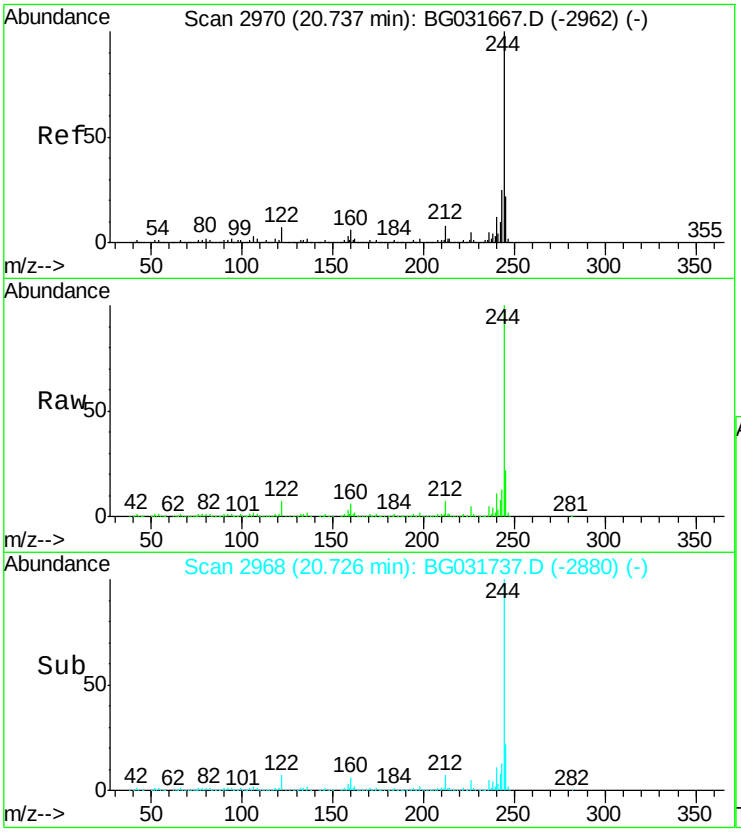




#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.55 min Scan# 3278
Delta R.T. -0.02 min
Lab File: BG031737.D
Acq: 23 Dec 2017 7:39

Tgt Ion:240 Resp: 411400

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 5.7 | 6.8 | 10.2# |
| 236 | 25.6 | 20.9 | 31.3 |



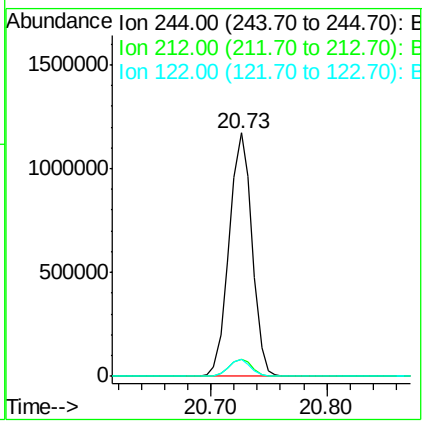


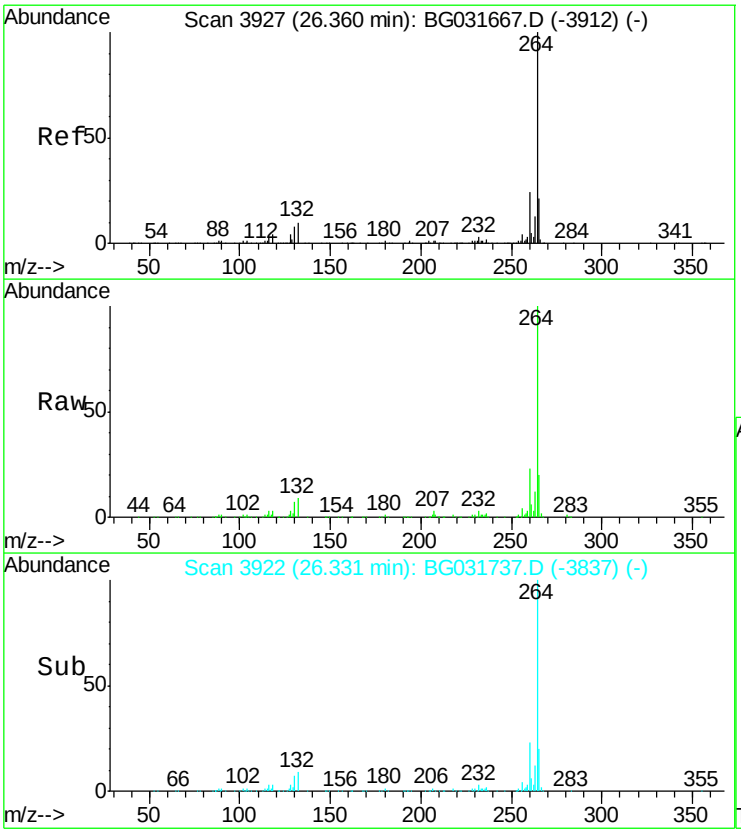

#78
Terphenyl-d14
Concen: 89.367 ng
RT: 20.73 min Scan# 2968
Delta R.T. -0.01 min
Lab File: BG031737.D
Acq: 23 Dec 2017 7:39

**Instrument :**
BNA_G
**ClientSampleId :**
C-MW-06-121917

Tgt Ion:244 Resp: 1609241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.9 | 5.8 | 8.8 |
| 122 | 7.0 | 7.0 | 10.4 |




#86
Perylene-d12
Concen: 20.000 ng
RT: 26.33 min Scan# 3922
Delta R.T. -0.03 min
Lab File: BG031737.D
Acq: 23 Dec 2017 7:39

Tgt Ion:264 Resp: 438389

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.1 | 17.4 | 26.0 |
| 265 | 19.9 | 17.7 | 26.5 |