Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041917\
Data File : BG026669.D
Acq On : 19 Apr 2017 23:30
Operator : SJ/MA
Sample : I2718-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** WC-B60-B61-001

Quant Time: Apr 20 02:28:23 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 18 18:04:39 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.03 | 152 | 165512 | 20.00 | ng | -0.02 |
| 21) Naphthalene-d8 | 10.83 | 136 | 707973 | 20.00 | ng | -0.02 |
| 38) Acenaphthene-d10 | 14.63 | 164 | 419628 | 20.00 | ng | -0.02 |
| 63) Phenanthrene-d10 | 17.37 | 188 | 1164438 | 20.00 | ng | -0.02 |
| 75) Chrysene-d12 | 21.61 | 240 | 1213969 | 20.00 | ng | -0.02 |
| 86) Perylene-d12 | 24.79 | 264 | 638449 | 20.00 | ng | -0.03 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.62 | 112 | 1361621 | 149.55 | ng | 0.00 |
| 7) Phenol-d6 | 7.23 | 99 | 1729327 | 144.95 | ng | 0.02 |
| 23) Nitrobenzene-d5 | 9.19 | 82 | 1010926 | 99.64 | ng | -0.02 |
| 41) 2,4,6-Tribromophenol | 16.13 | 330 | 950614 | 162.58 | ng | -0.01 |
| 44) 2-Fluorobiphenyl | 13.27 | 172 | 2680517 | 95.14 | ng | -0.02 |
| 78) Terphenyl-d14 | 19.97 | 244 | 3909273 | 95.07 | ng | -0.02 |
| **Target Compounds** | | | | | | Qvalue |
| 11) bis(2-Chloroethyl)ether | 7.44 | 93 | 23968 | 2.32 | ng | # 70 |
| 31) Naphthalene | 10.88 | 128 | 979566 | 28.19 | ng | 99 |
| 37) 2-Methylnaphthalene | 12.48 | 142 | 387138 | 14.48 | ng | # 89 |

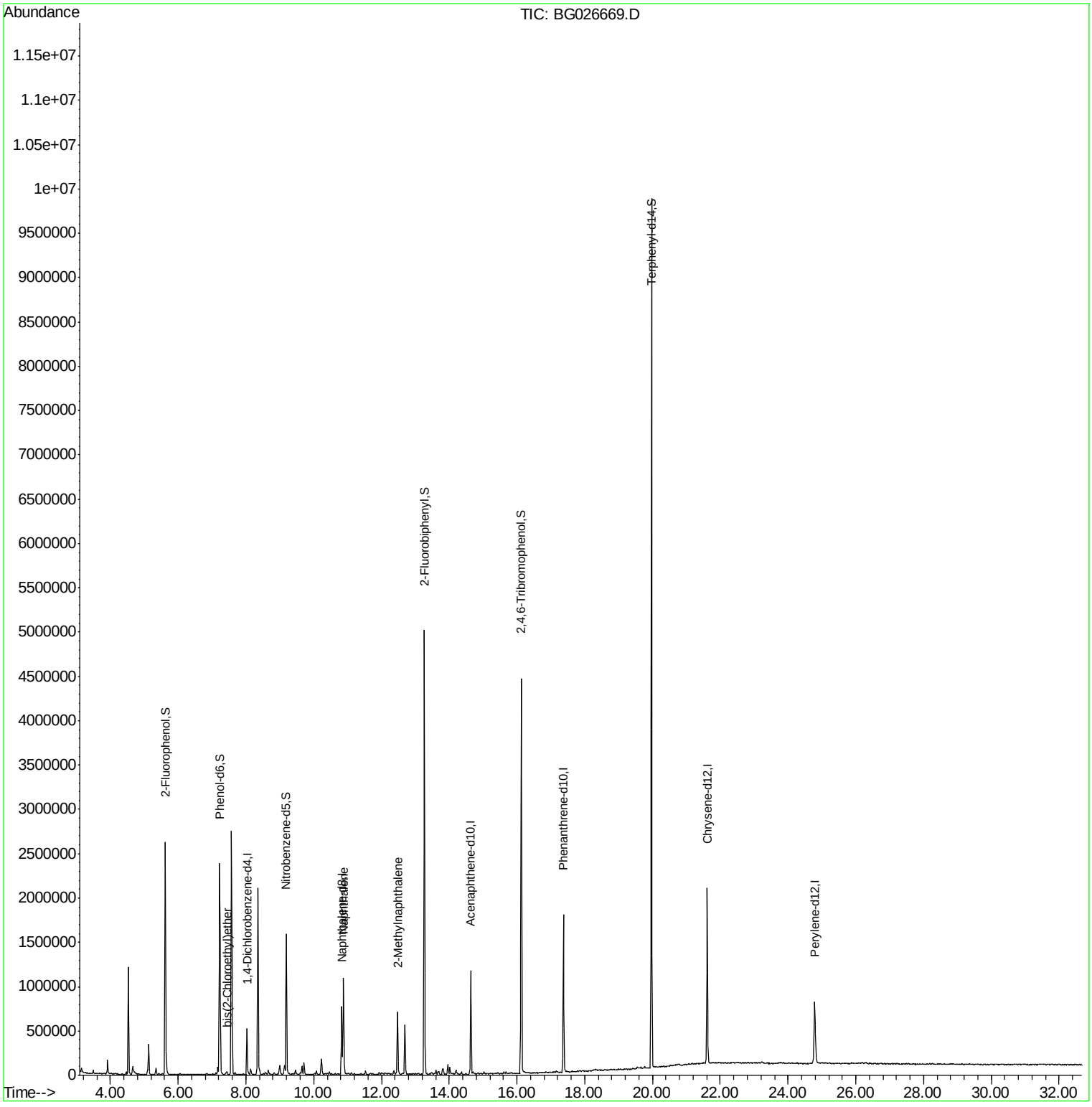
(#) = qualifier out of range (m) = manual integration (+) = signals summed

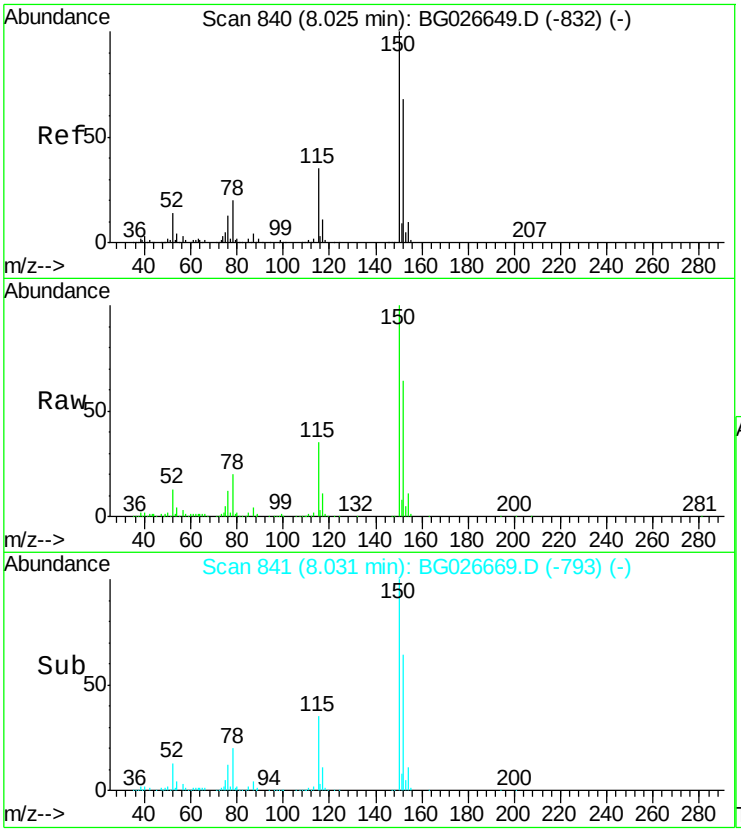
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041917\
Data File : BG026669.D
Acq On : 19 Apr 2017 23:30
Operator : SJ/MA
Sample : I2718-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
WC-B60-B61-001

Quant Time: Apr 20 02:28:23 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 18 18:04:39 2017
Response via : Initial Calibration



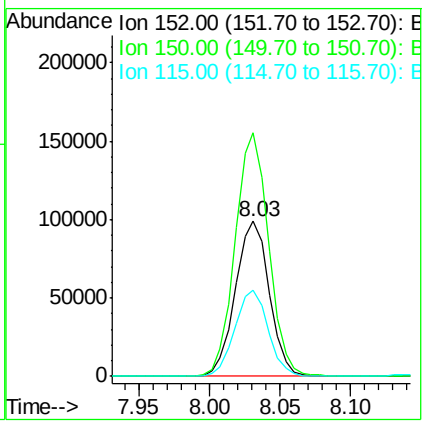


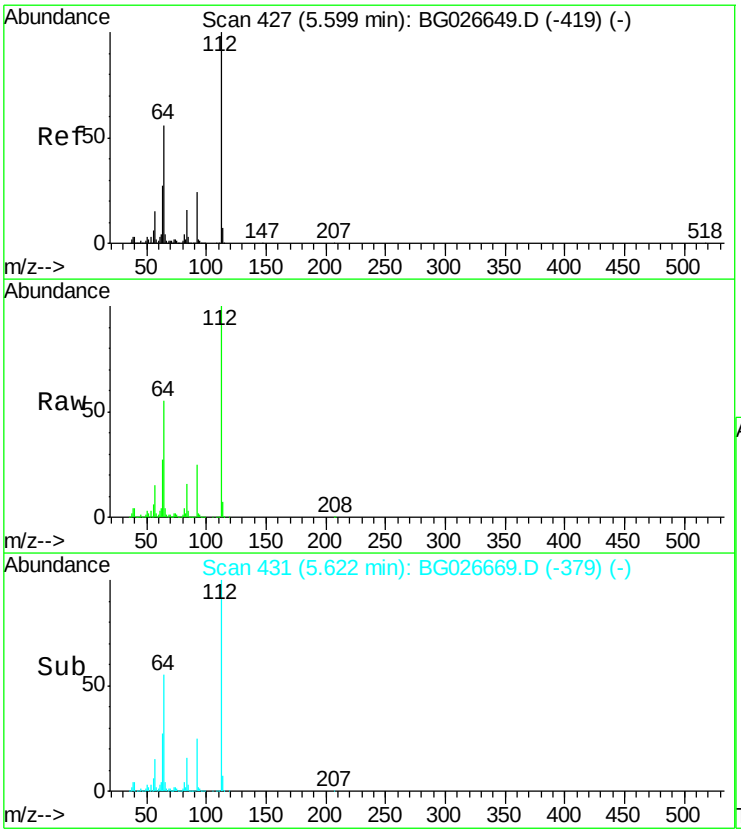

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.03 min Scan# 841
Delta R.T. -0.02 min
Lab File: BG026669.D
Acq: 19 Apr 2017 23:30

**Instrument :**
BNA_G
**ClientSampleId :**
WC-B60-B61-001

Tgt Ion:152 Resp: 165512

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.9 | 114.0 | 171.0 |
| 115 | 55.4 | 48.1 | 72.1 |

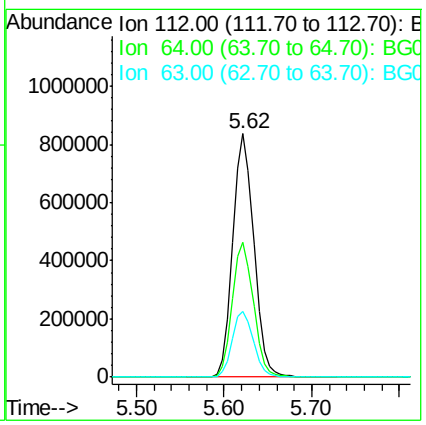


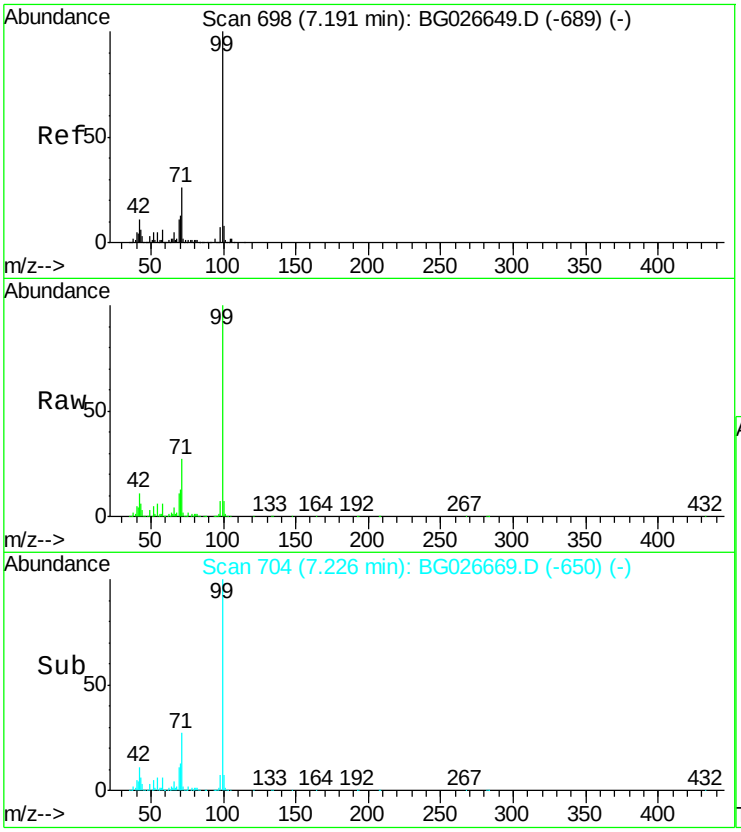




#5
2-Fluorophenol
Concen: 149.55 ng
RT: 5.62 min Scan# 431
Delta R.T. 0.01 min
Lab File: BG026669.D
Acq: 19 Apr 2017 23:30

Tgt Ion:112 Resp: 1361621

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 55.4 | 61.8 | 92.6# |
| 63 | 27.2 | 37.2 | 55.8# |



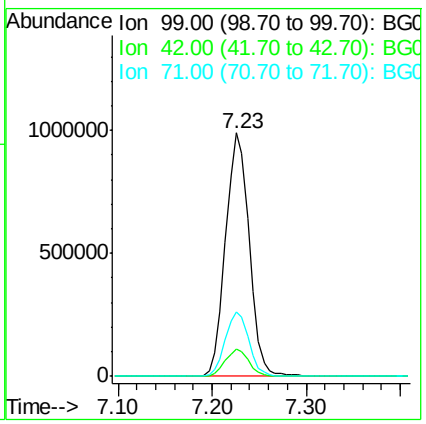


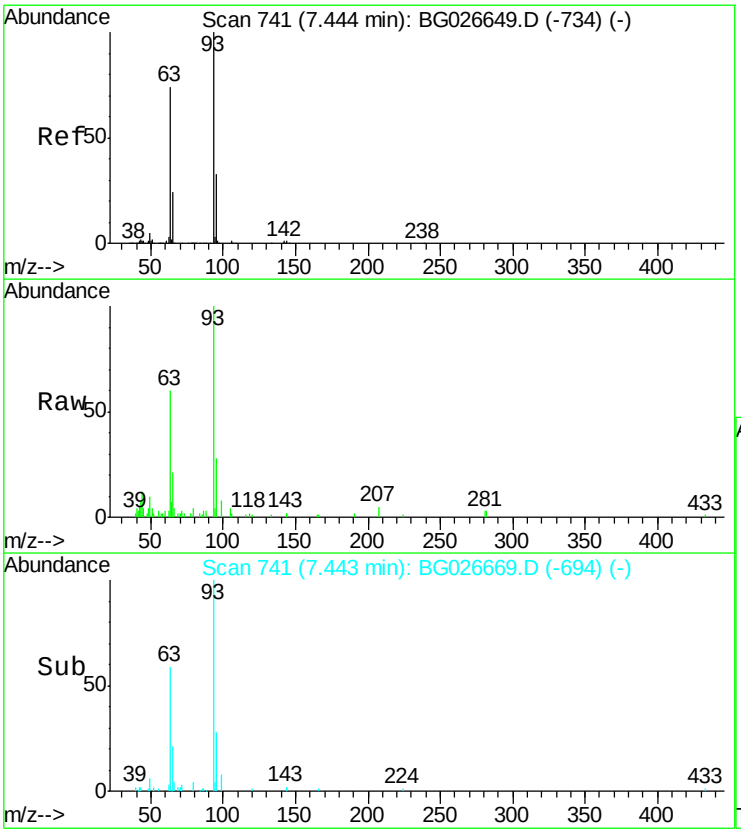

#7
Phenol-d6
Concen: 144.95 ng
RT: 7.23 min Scan# 704
Delta R.T. 0.02 min
Lab File: BG026669.D
Acq: 19 Apr 2017 23:30

**Instrument :**
BNA_G
**ClientSampleId :**
WC-B60-B61-001

Tgt Ion: 99 Resp: 1729327

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 11.2 | 20.5 | 30.7# |
| 71 | 26.7 | 37.6 | 56.4# |

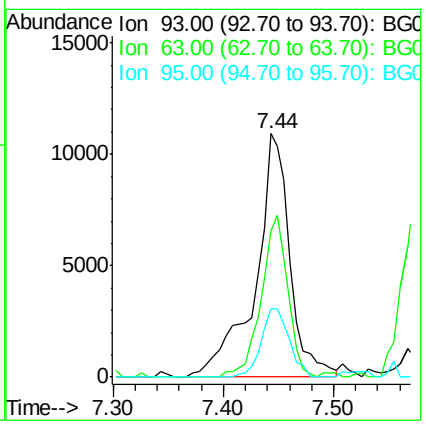


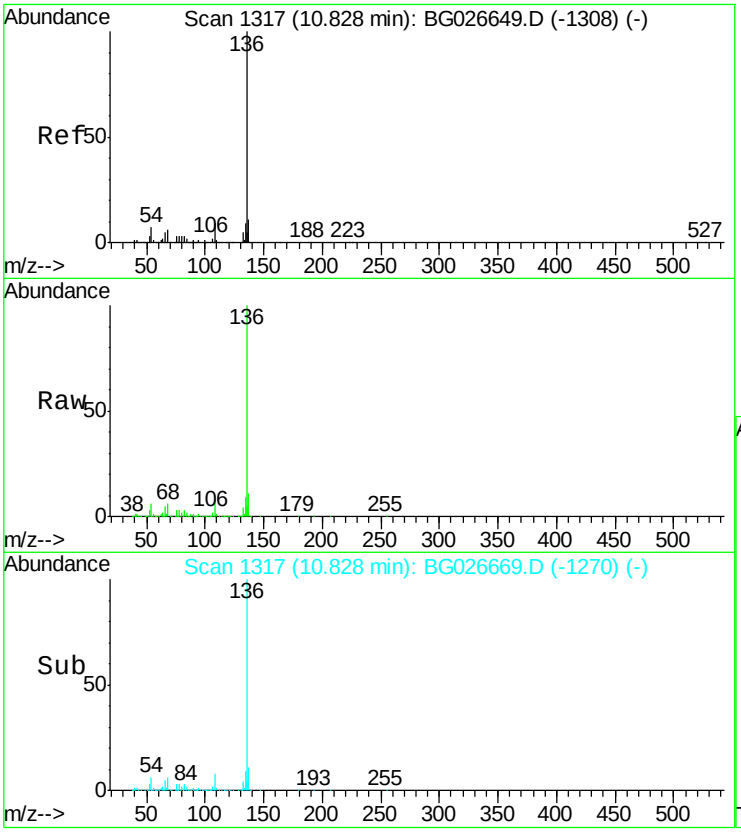




#11
bis(2-Chloroethyl)ether
Concen: 2.32 ng
RT: 7.44 min Scan# 741
Delta R.T. -0.02 min
Lab File: BG026669.D
Acq: 19 Apr 2017 23:30

Tgt Ion: 93 Resp: 23968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 60.4 | 78.5 | 118.5# |
| 95 | 28.2 | 9.8 | 49.8 |



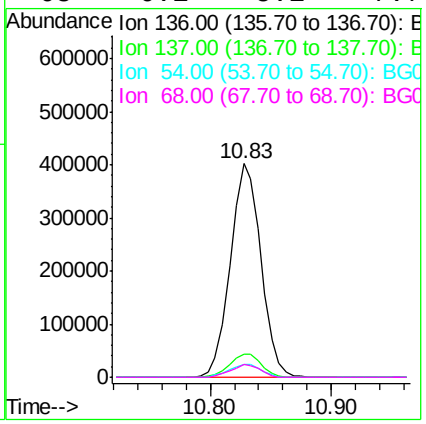


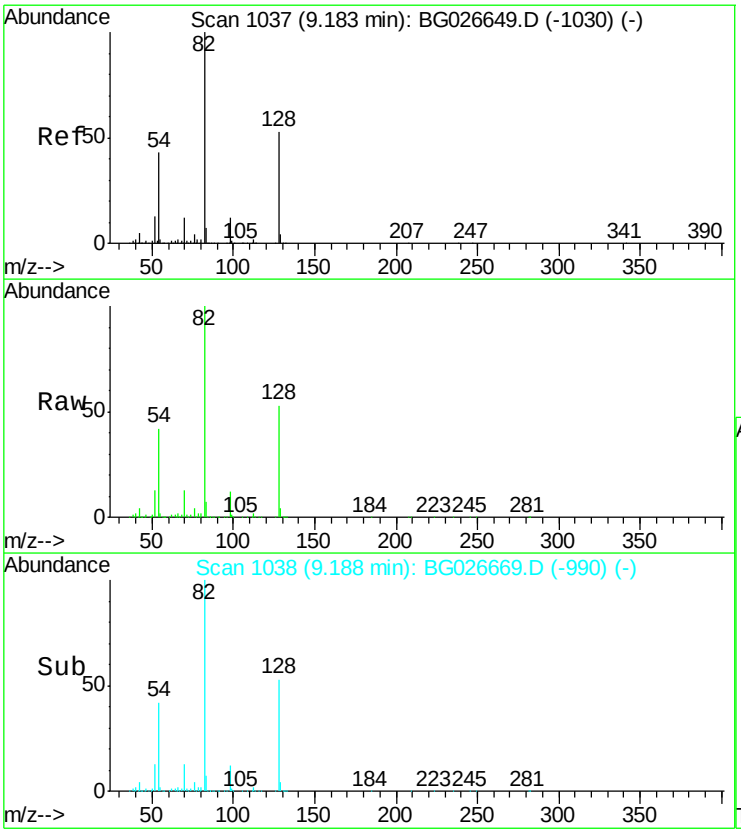

#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.83 min Scan# 1317
Delta R.T. -0.02 min
Lab File: BG026669.D
Acq: 19 Apr 2017 23:30

**Instrument :**
BNA_G
**ClientSampleId :**
WC-B60-B61-001

Tgt Ion:136 Resp: 707973

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 8.9 | 13.3 |
| 54 | 6.3 | 9.3 | 13.9# |
| 68 | 6.1 | 5.1 | 7.7 |

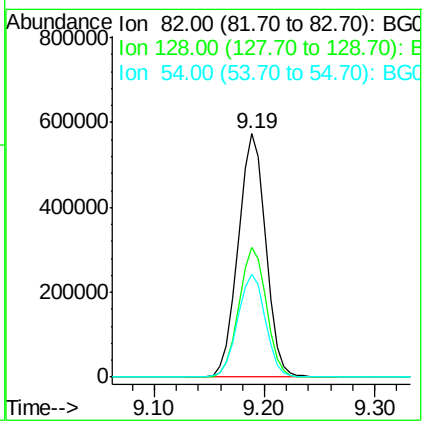


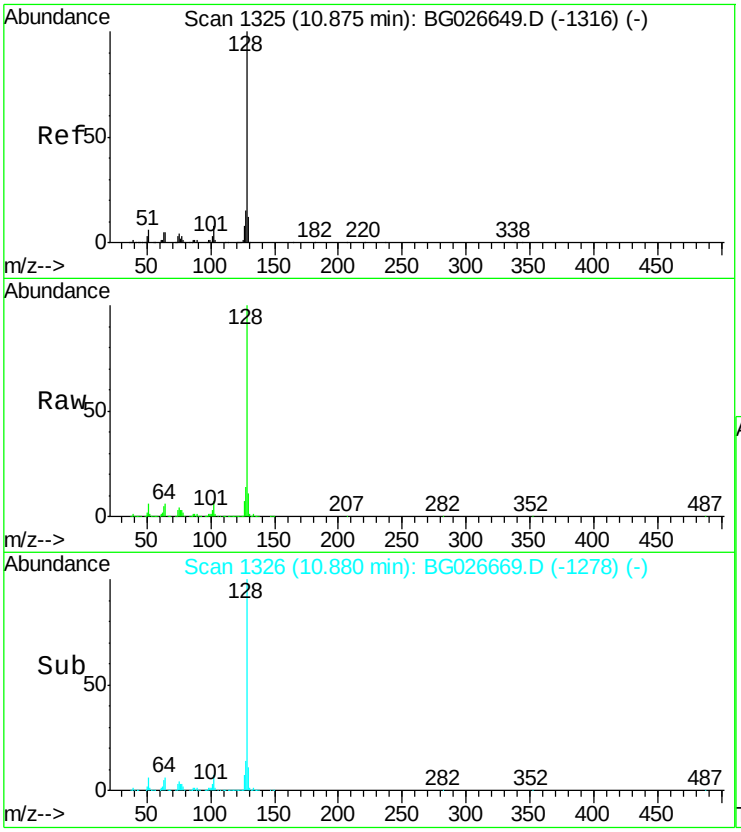




#23
Nitrobenzene-d5
Concen: 99.64 ng
RT: 9.19 min Scan# 1038
Delta R.T. -0.02 min
Lab File: BG026669.D
Acq: 19 Apr 2017 23:30

Tgt Ion: 82 Resp: 1010926

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 53.2 | 26.4 | 39.6# |
| 54 | 42.1 | 49.4 | 74.2# |



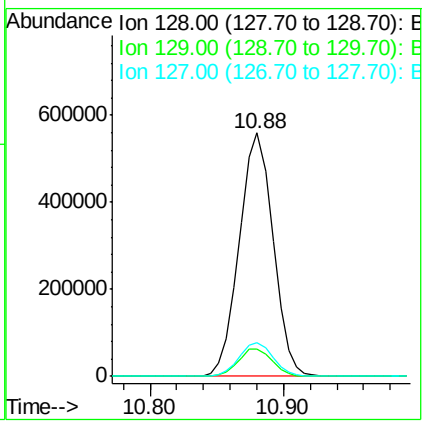


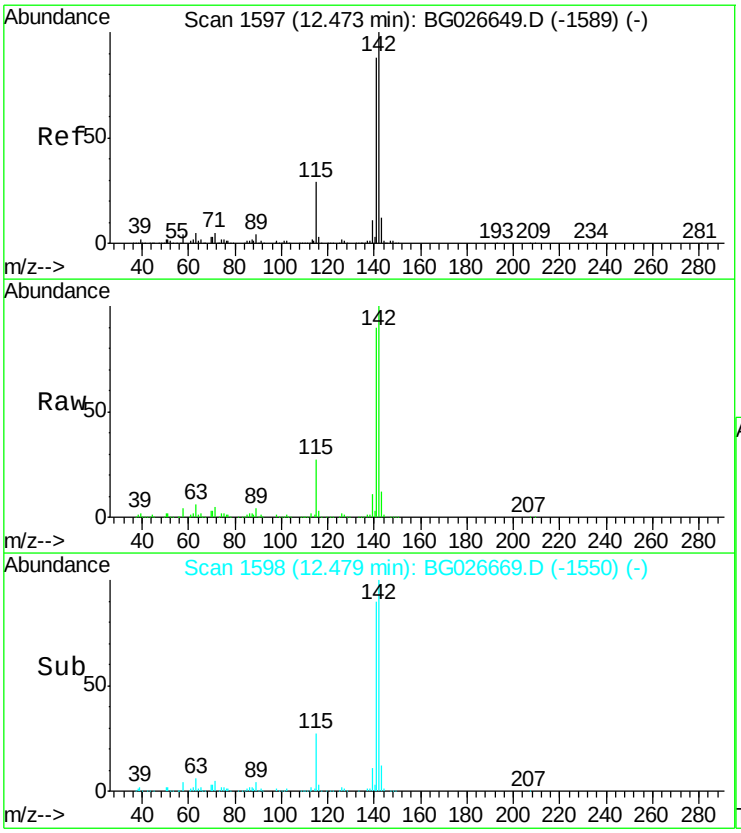

#31
Naphthalene
Concen: 28.19 ng
RT: 10.88 min Scan# 1326
Delta R.T. -0.02 min
Lab File: BG026669.D
Acq: 19 Apr 2017 23:30

**Instrument :**
BNA_G
**ClientSampleId :**
WC-B60-B61-001

Tgt Ion:128 Resp: 979566

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.1 | 9.3 | 13.9 |
| 127 | 13.6 | 11.4 | 17.0 |

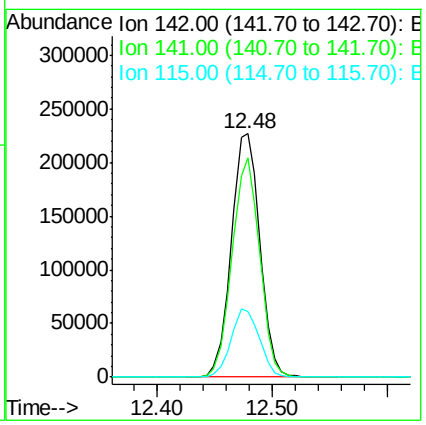


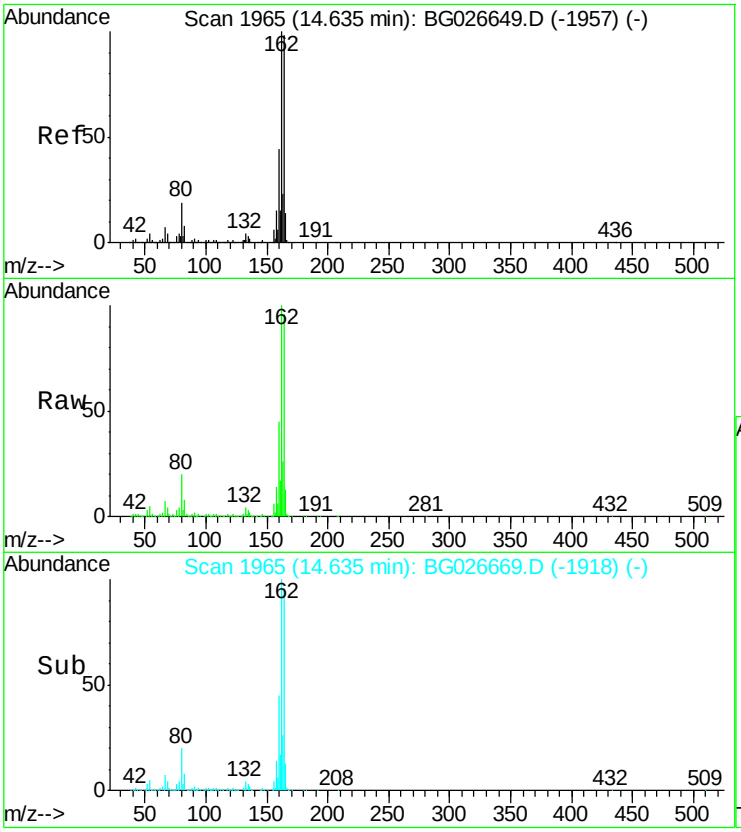




#37
2-Methylnaphthalene
Concen: 14.48 ng
RT: 12.48 min Scan# 1598
Delta R.T. -0.02 min
Lab File: BG026669.D
Acq: 19 Apr 2017 23:30

Tgt Ion:142 Resp: 387138

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.2 | 70.4 | 105.6 |
| 115 | 26.9 | 35.5 | 53.3# |



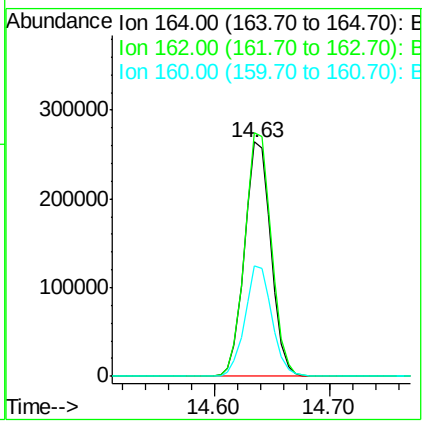


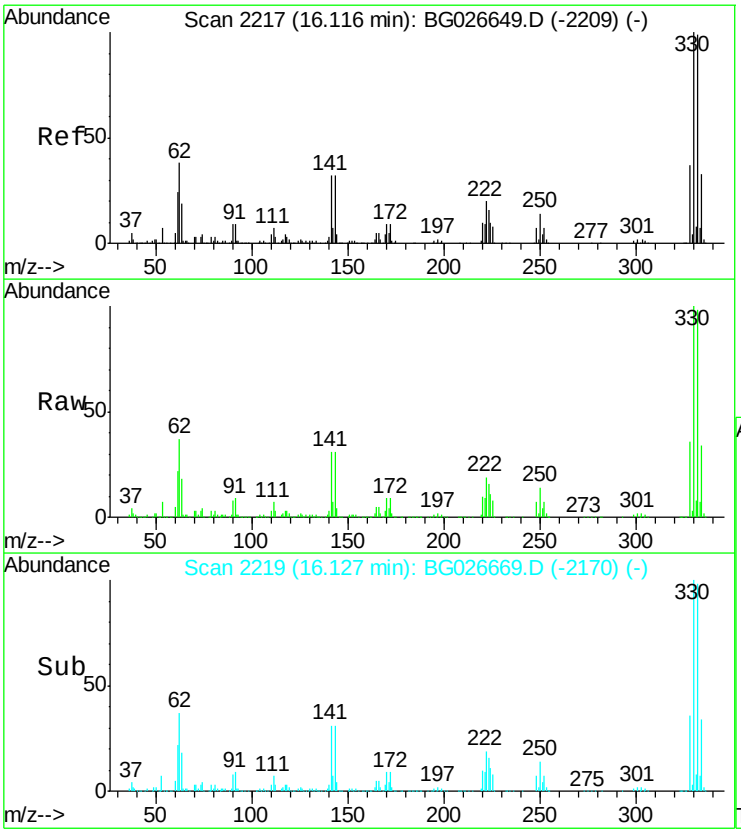

#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.63 min Scan# 1965
Delta R.T. -0.02 min
Lab File: BG026669.D
Acq: 19 Apr 2017 23:30

**Instrument :**
BNA_G
**ClientSampleId :**
WC-B60-B61-001

Tgt Ion:164 Resp: 419628

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 104.0 | 85.1 | 127.7 |
| 160 | 47.0 | 34.7 | 52.1 |

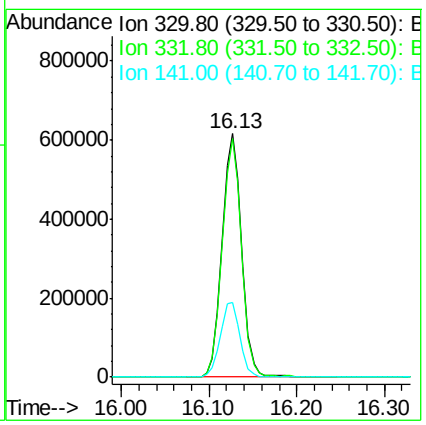


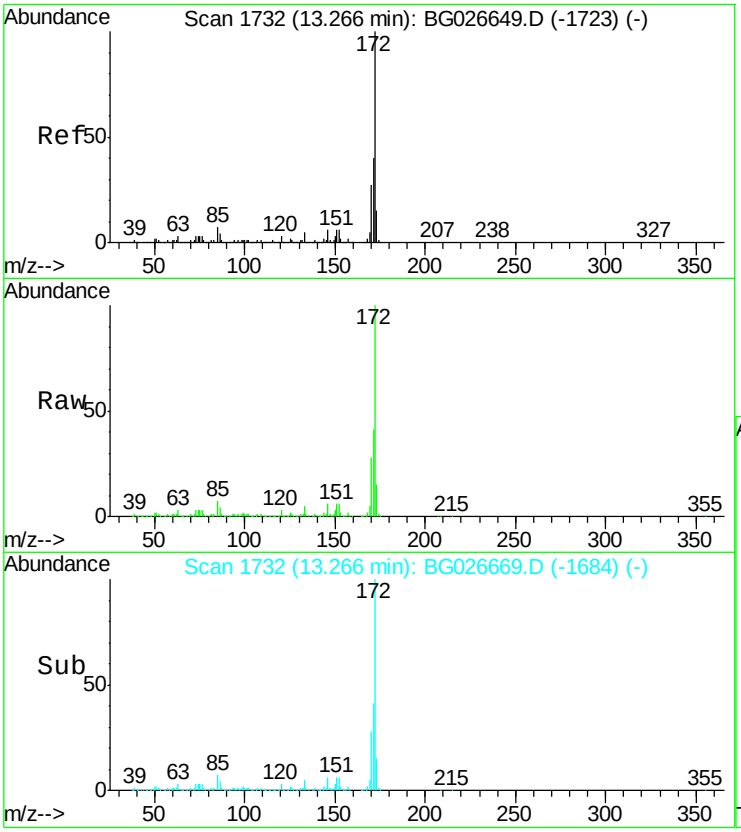




#41
2,4,6-Tribromophenol
Concen: 162.58 ng
RT: 16.13 min Scan# 2219
Delta R.T. -0.01 min
Lab File: BG026669.D
Acq: 19 Apr 2017 23:30

Tgt Ion:330 Resp: 950614

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.9 | 77.3 | 115.9 |
| 141 | 31.0 | 32.1 | 48.1# |



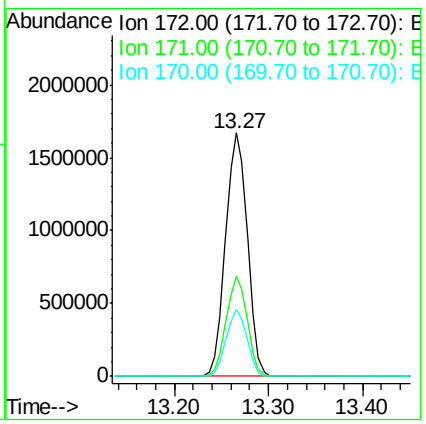


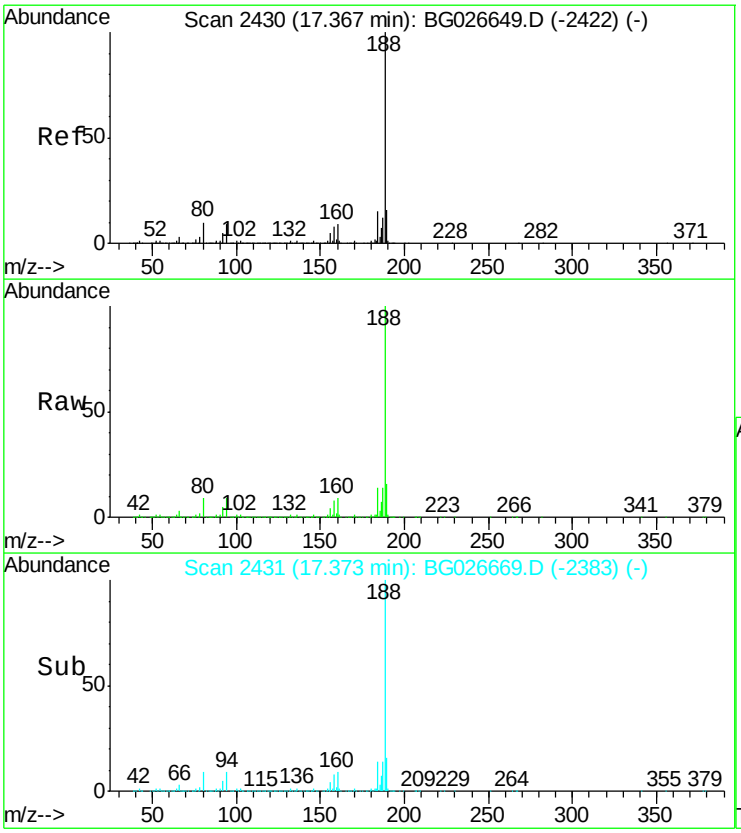

#44
2-Fluorobiphenyl
Concen: 95.14 ng
RT: 13.27 min Scan# 1732
Delta R.T. -0.02 min
Lab File: BG026669.D
Acq: 19 Apr 2017 23:30

**Instrument :**
BNA_G
**ClientSampleId :**
WC-B60-B61-001

Tgt Ion:172 Resp: 2680517

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 41.1 | 32.2 | 48.2 |
| 170 | 27.7 | 21.8 | 32.6 |

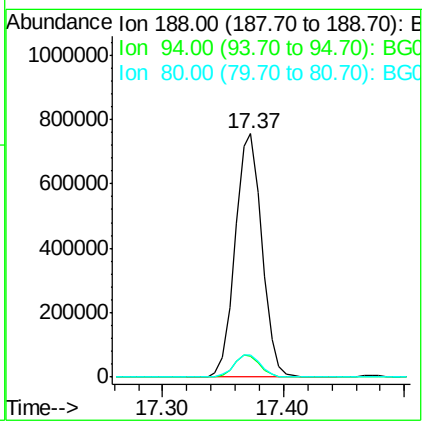


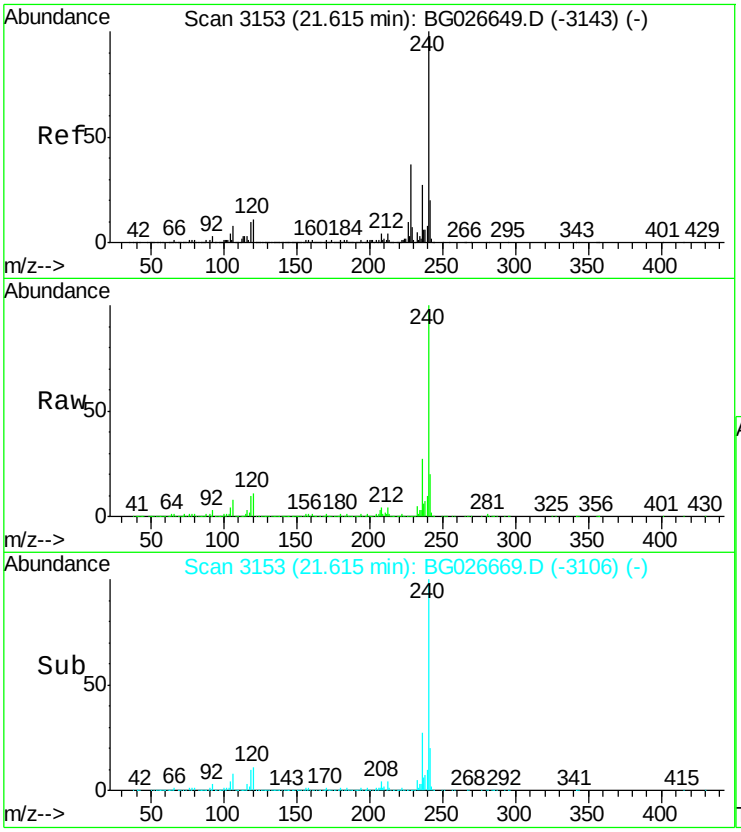




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.37 min Scan# 2431
Delta R.T. -0.02 min
Lab File: BG026669.D
Acq: 19 Apr 2017 23:30

Tgt Ion:188 Resp: 1164438

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.7 | 5.8 | 8.8 |
| 80 | 9.0 | 7.5 | 11.3 |



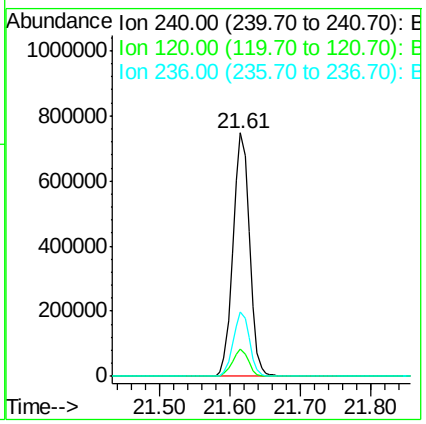


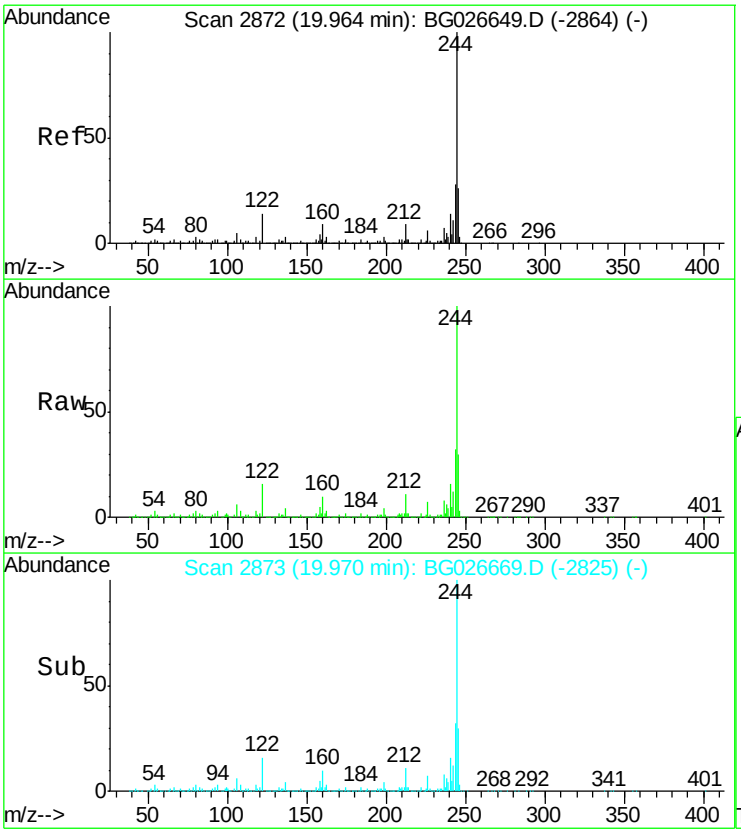

#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.61 min Scan# 3153
Delta R.T. -0.02 min
Lab File: BG026669.D
Acq: 19 Apr 2017 23:30

**Instrument :**
BNA_G
**ClientSampleId :**
WC-B60-B61-001

Tgt Ion:240 Resp: 1213969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.4 | 5.7 | 8.5# |
| 236 | 26.7 | 22.2 | 33.4 |

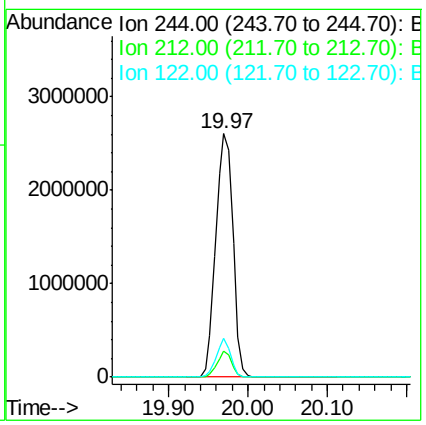


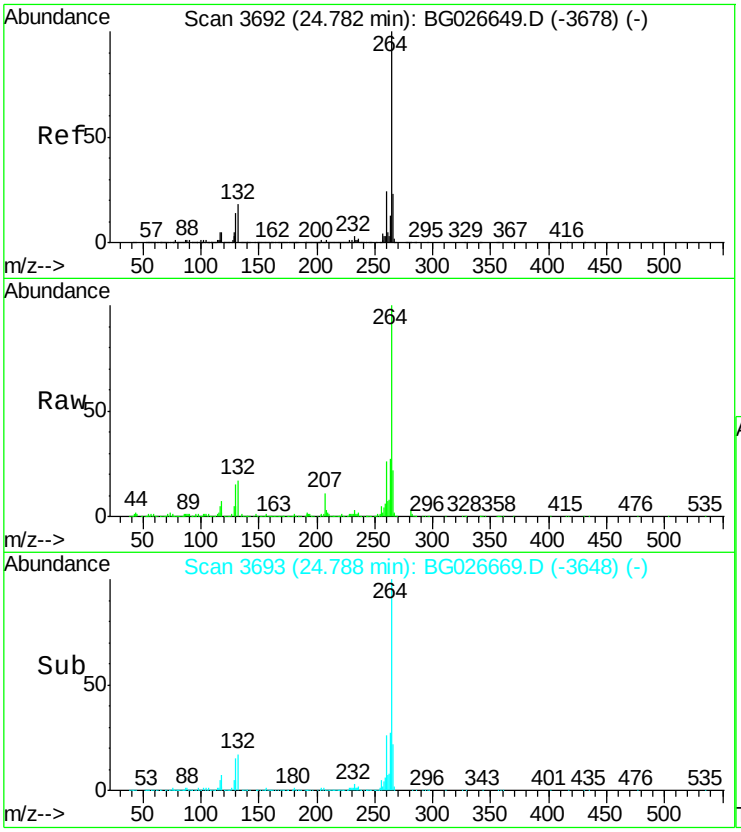




#78
Terphenyl-d14
Concen: 95.07 ng
RT: 19.97 min Scan# 2873
Delta R.T. -0.02 min
Lab File: BG026669.D
Acq: 19 Apr 2017 23:30

Tgt Ion:244 Resp: 3909273

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 10.8 | 10.0 | 15.0 |
| 122 | 15.8 | 8.6 | 12.8# |






#86
Perylene-d12
Concen: 20.00 ng
RT: 24.79 min Scan# 3693
Delta R.T. -0.03 min
Lab File: BG026669.D
Acq: 19 Apr 2017 23:30

**Instrument :**
BNA_G
**ClientSampleId :**
WC-B60-B61-001

Tgt Ion:264 Resp: 638449

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 25.8 | 21.8 | 32.8 |
| 265 | 22.4 | 18.2 | 27.4 |