Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041916\
Data File : BG021756.D
Acq On : 19 Apr 2016 5:36
Operator : UM/SJ
Sample : H2503-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** POST-EX-DUP1-20160412

Quant Time: Apr 19 07:42:09 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 13 15:48:13 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.21 | 152 | 38217 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 11.03 | 136 | 178955 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.82 | 164 | 104871 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.56 | 188 | 198700 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.83 | 240 | 220253 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 25.17 | 264 | 220774 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.76 | 112 | 201796 | 87.93 | ng | | 0.00 |
| 7) Phenol-d6 | 7.37 | 99 | 373016 | 108.81 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.38 | 82 | 237044 | 68.08 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.30 | 330 | 51253 | 45.35 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.45 | 172 | 537098 | 75.04 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.14 | 244 | 594577 | 67.36 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 49) Dimethylphthalate | 14.27 | 163 | 86592 | 9.55 | ng | | 97 |
| 70) Phenanthrene | 17.60 | 178 | 176901 | 16.15 | ng | | 99 |
| 74) Fluoranthene | 19.59 | 202 | 287094 | 21.95 | ng | | 99 |
| 77) Pyrene | 19.95 | 202 | 224899 | 17.71 | ng | | 99 |
| 80) Benzo(a)anthracene | 21.81 | 228 | 118541 | 9.35 | ng | | 98 |
| 82) Chrysene | 21.87 | 228 | 122011 | 10.02 | ng | | 97 |
| 85) Indeno(1,2,3-cd)pyrene | 28.98 | 276 | 70995 | 4.90 | ng | | 95 |
| 87) Benzo(b)fluoranthene | 24.11 | 252 | 153336 | 11.97 | ng | # | 95 |
| 88) Benzo(k)fluoranthene | 24.17 | 252 | 57238m | 4.57 | ng | | |
| 89) Benzo(a)pyrene | 25.01 | 252 | 101893 | 8.21 | ng | # | 94 |
| 91) Benzo(g,h,i)perylene | 30.18 | 276 | 62357 | 5.11 | ng | | 98 |

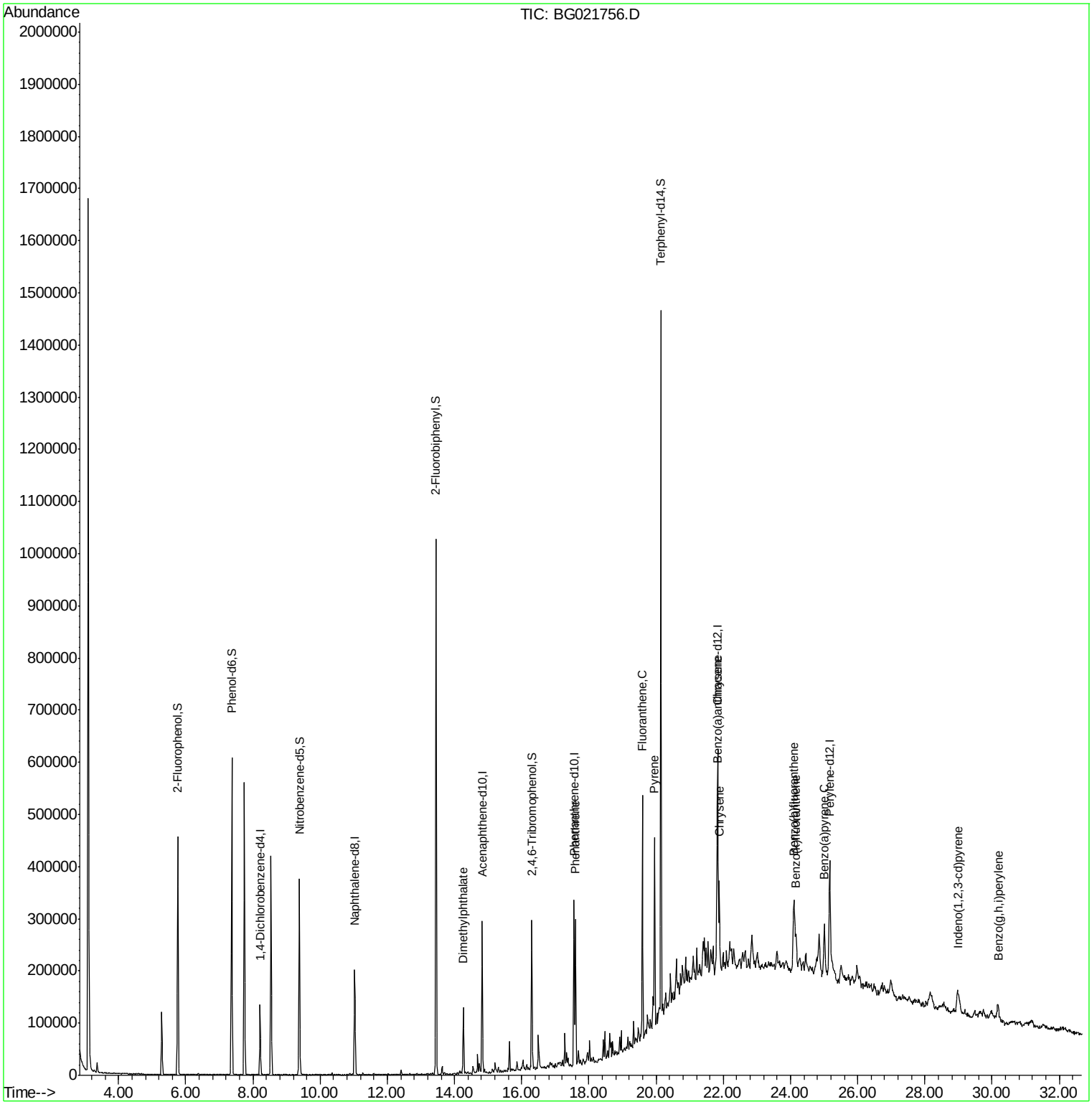
(#) = qualifier out of range (m) = manual integration (+) = signals summed

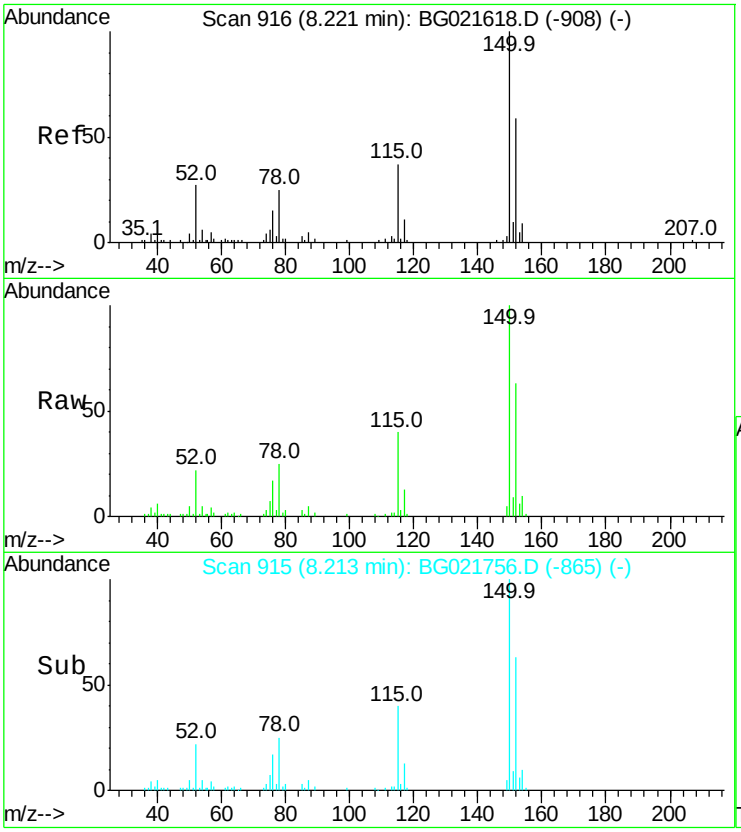
Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041916\
Data File : BG021756.D
Acq On : 19 Apr 2016 5:36
Operator : UM/SJ
Sample : H2503-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
POST-EX-DUP1-20160412

Quant Time: Apr 19 07:42:09 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 13 15:48:13 2016
Response via : Initial Calibration



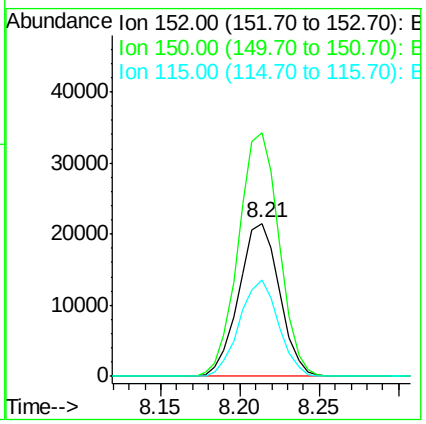


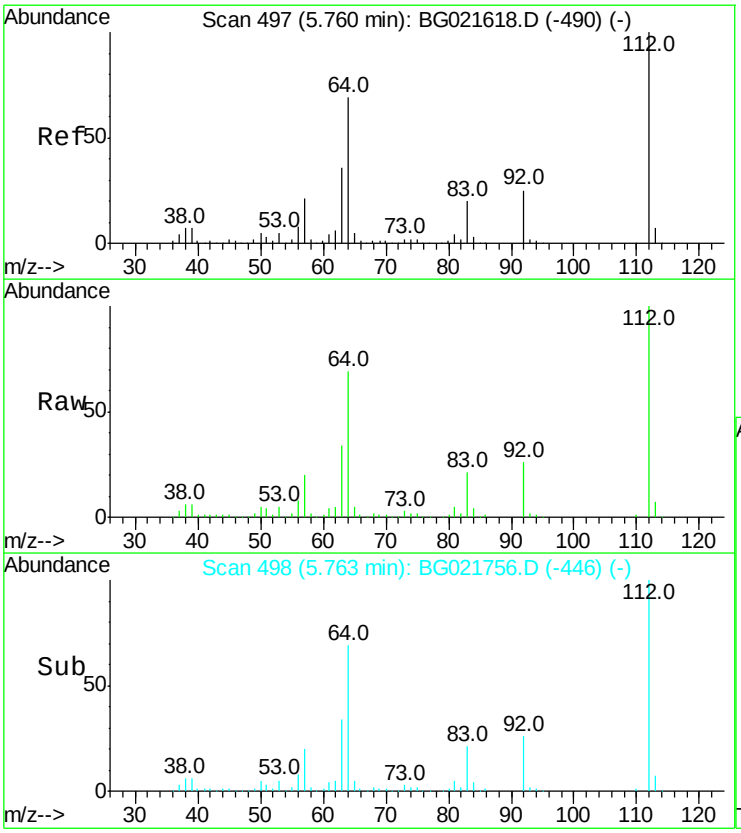

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.21 min Scan# 915
Delta R.T. -0.01 min
Lab File: BG021756.D
Acq: 19 Apr 2016 5:36

**Instrument :**
BNA_G
**ClientSampleId :**
POST-EX-DUP1-20160412

Tgt Ion:152 Resp: 38217

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 158.9 | 130.1 | 195.1 |
| 115 | 62.8 | 62.2 | 93.2 |

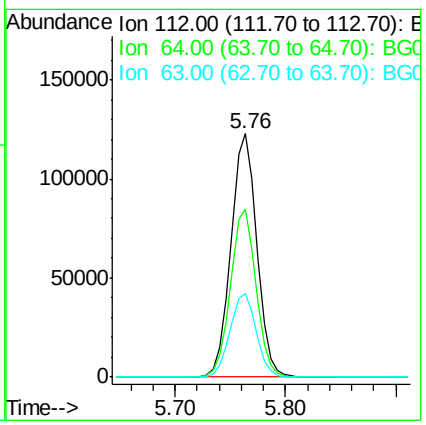


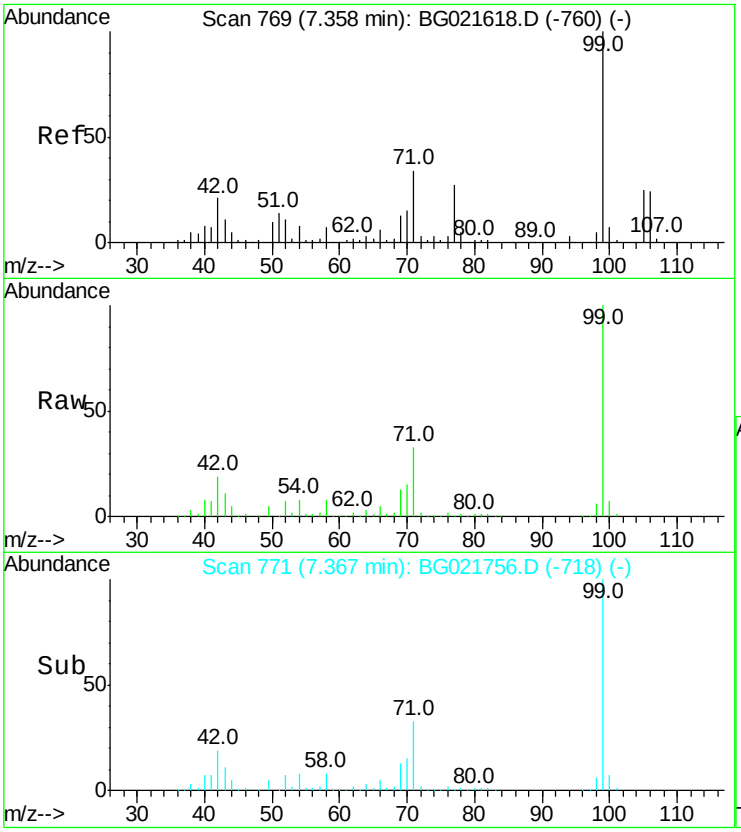




#5
2-Fluorophenol
Concen: 87.93 ng
RT: 5.76 min Scan# 498
Delta R.T. 0.00 min
Lab File: BG021756.D
Acq: 19 Apr 2016 5:36

Tgt Ion:112 Resp: 201796

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 69.0 | 51.1 | 76.7 |
| 63 | 34.3 | 24.6 | 37.0 |



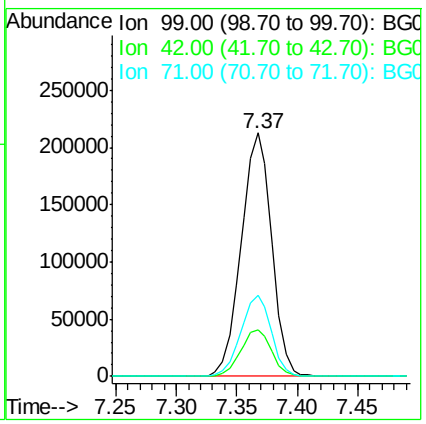


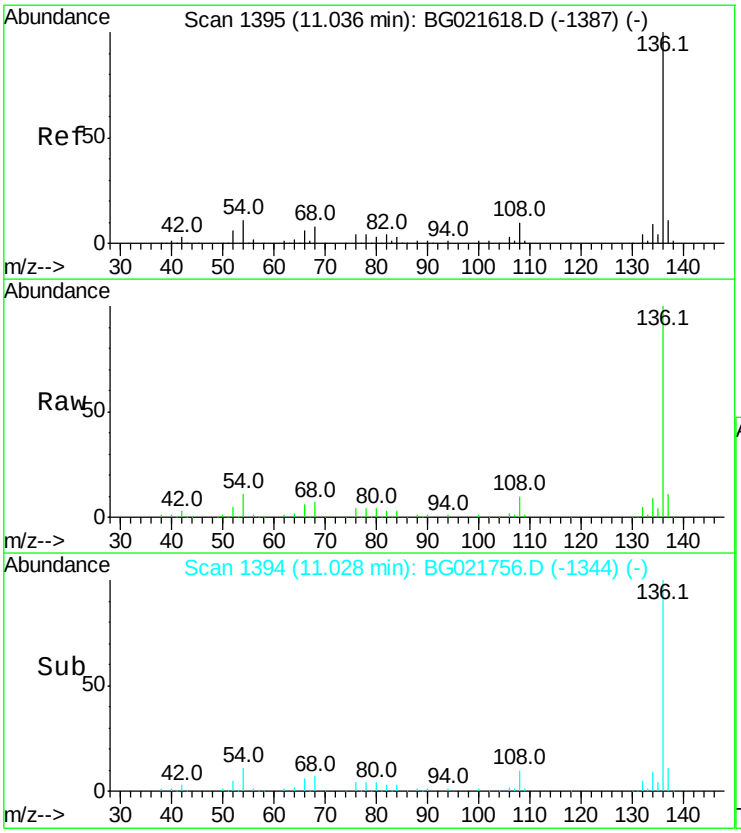

#7
Phenol-d6
Concen: 108.81 ng
RT: 7.37 min Scan# 771
Delta R.T. 0.01 min
Lab File: BG021756.D
Acq: 19 Apr 2016 5:36

**Instrument :**
BNA_G
**ClientSampleId :**
POST-EX-DUP1-20160412

Tgt Ion: 99 Resp: 373016

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.9 | 16.4 | 24.6 |
| 71 | 33.4 | 25.0 | 37.4 |

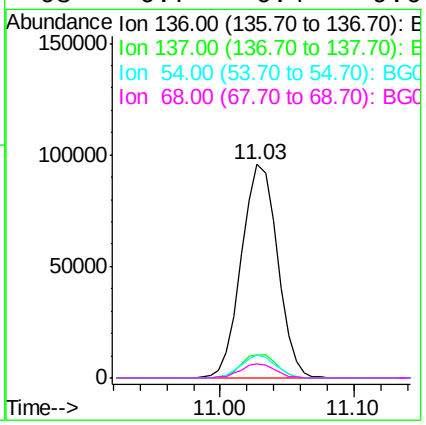


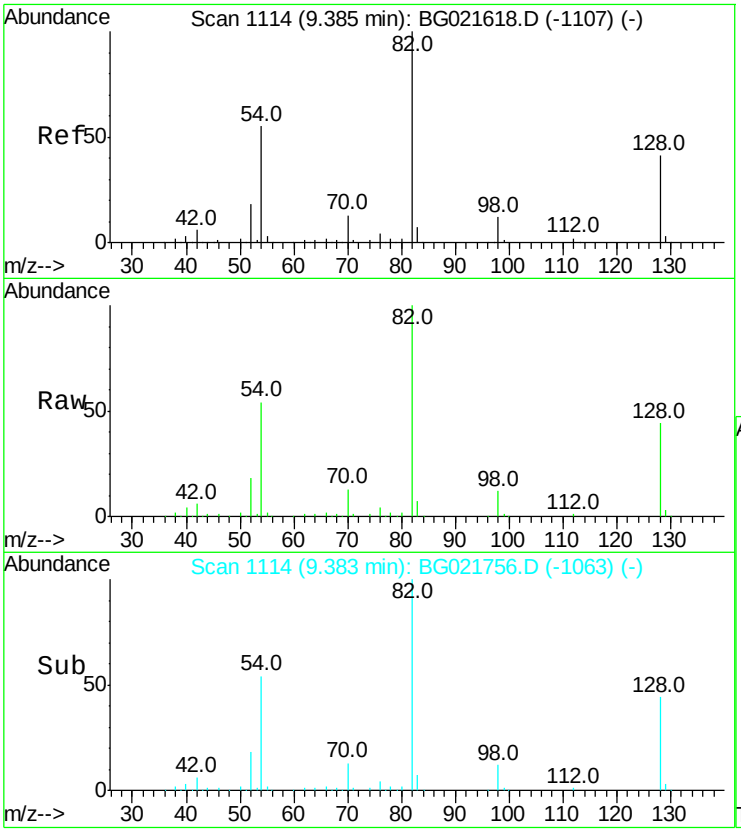




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.03 min Scan# 1394
Delta R.T. -0.01 min
Lab File: BG021756.D
Acq: 19 Apr 2016 5:36

Tgt Ion:136 Resp: 178955

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 9.0 | 13.4 |
| 54 | 10.6 | 9.6 | 14.4 |
| 68 | 6.7 | 6.4 | 9.6 |

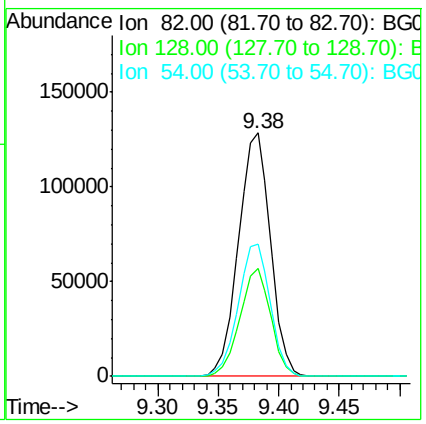




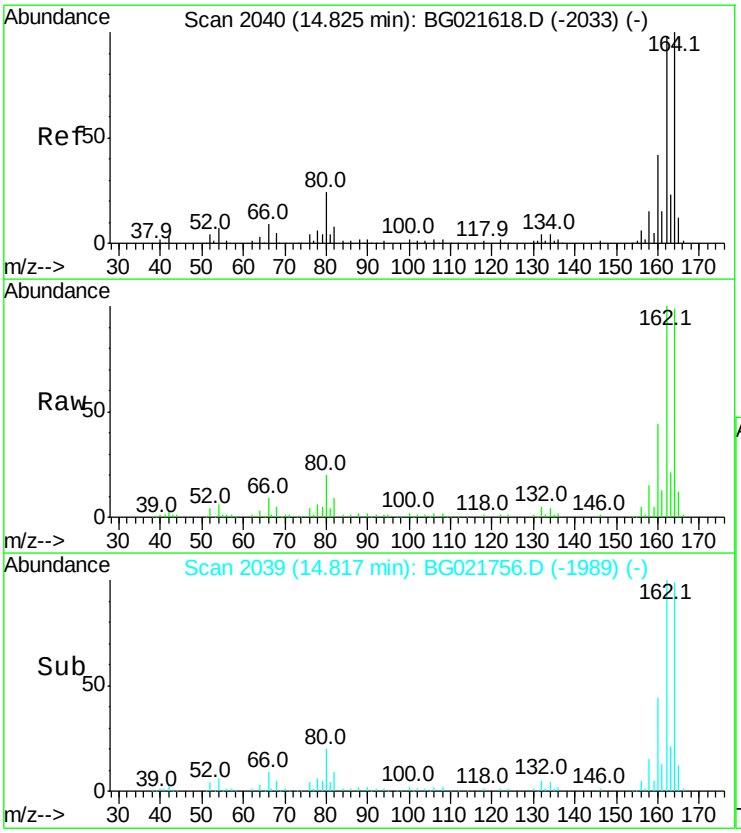

#23
Nitrobenzene-d5
Concen: 68.08 ng
RT: 9.38 min Scan# 1114
Delta R.T. -0.00 min
Lab File: BG021756.D
Acq: 19 Apr 2016 5:36

Tgt Ion: 82 Resp: 237044

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.2 | 33.4 | 50.0 |
| 54 | 54.5 | 46.1 | 69.1 |



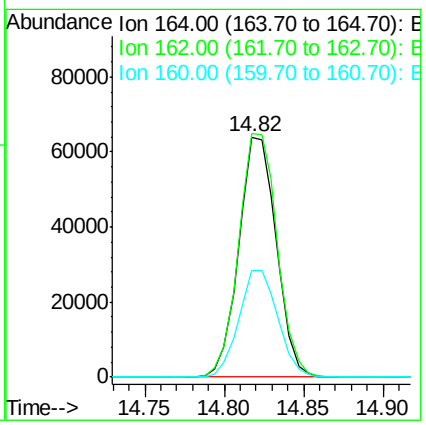

**Instrument :**
BNA_G
**ClientSampleId :**
POST-EX-DUP1-20160412

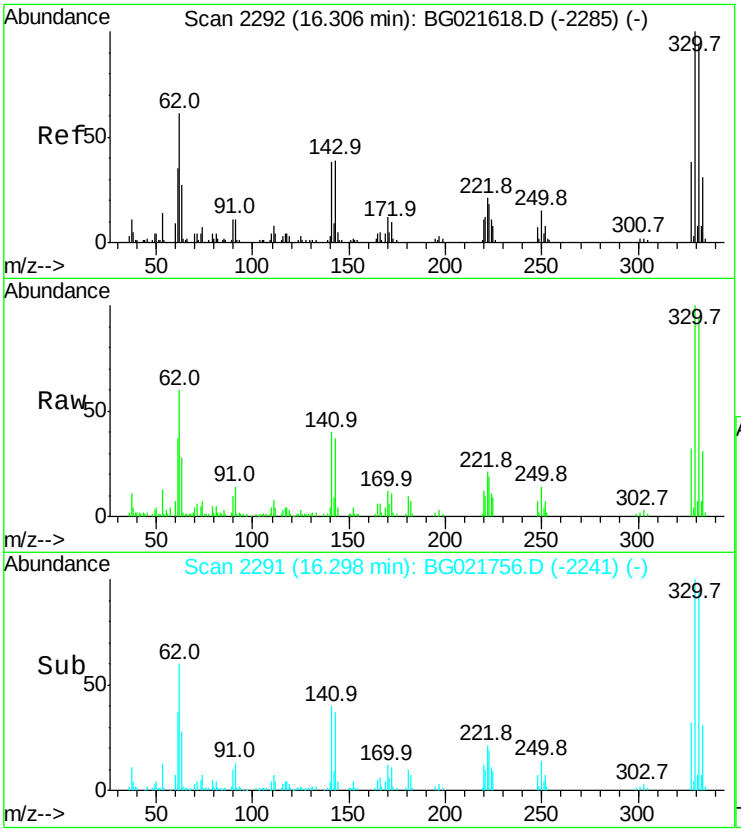



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.82 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BG021756.D
Acq: 19 Apr 2016 5:36

Tgt Ion:164 Resp: 104871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.5 | 78.0 | 117.0 |
| 160 | 44.5 | 32.9 | 49.3 |



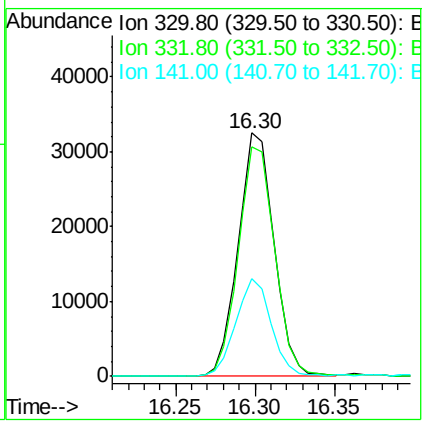


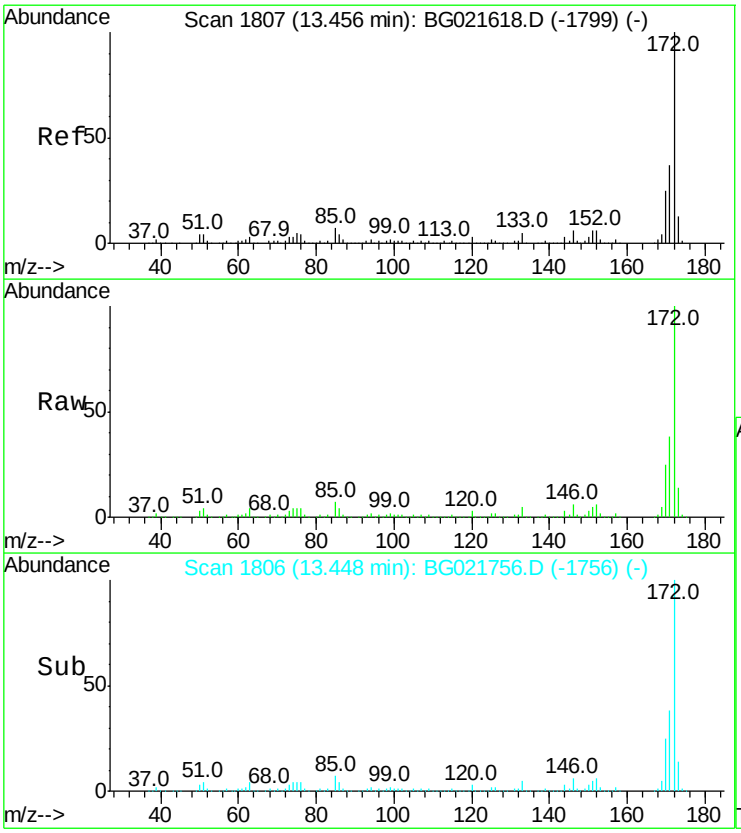

#41
2,4,6-Tribromophenol
Concen: 45.35 ng
RT: 16.30 min Scan# 2291
Delta R.T. -0.01 min
Lab File: BG021756.D
Acq: 19 Apr 2016 5:36

**Instrument :**
BNA_G
**ClientSampleId :**
POST-EX-DUP1-20160412

Tgt Ion:330 Resp: 51253

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.0 | 78.0 | 117.0 |
| 141 | 39.6 | 33.8 | 50.8 |

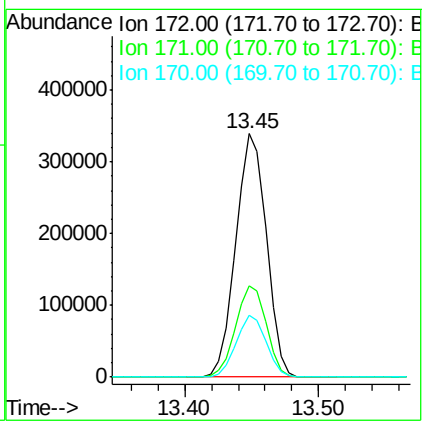


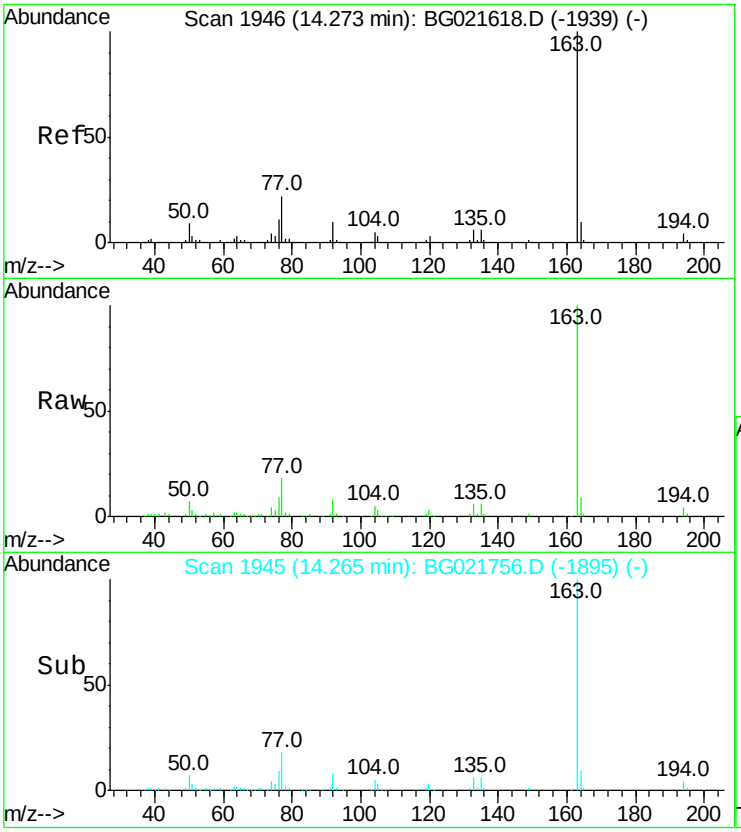




#44
2-Fluorobiphenyl
Concen: 75.04 ng
RT: 13.45 min Scan# 1806
Delta R.T. -0.01 min
Lab File: BG021756.D
Acq: 19 Apr 2016 5:36

Tgt Ion:172 Resp: 537098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 37.7 | 27.8 | 41.6 |
| 170 | 25.2 | 19.6 | 29.4 |



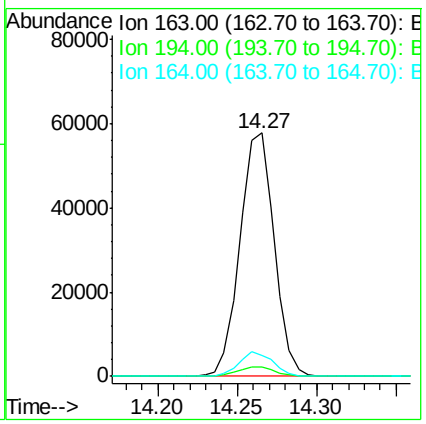


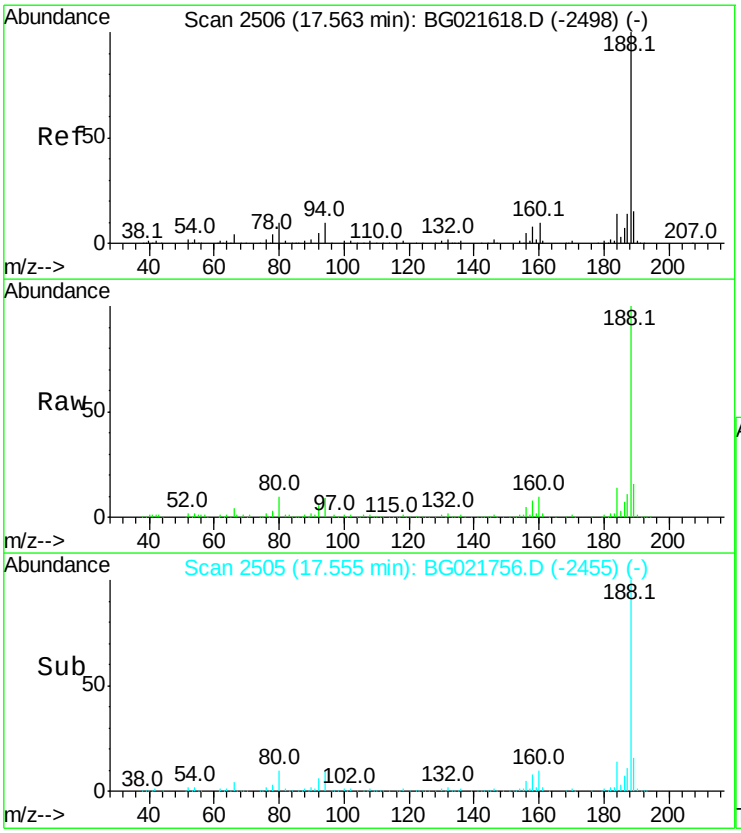

#49
Dimethylphthalate
Concen: 9.55 ng
RT: 14.27 min Scan# 1945
Delta R.T. -0.01 min
Lab File: BG021756.D
Acq: 19 Apr 2016 5:36

**Instrument :**
BNA_G
**ClientSampleId :**
POST-EX-DUP1-20160412

Tgt Ion:163 Resp: 86592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.0 | 3.0 | 4.6 |
| 164 | 8.6 | 8.1 | 12.1 |

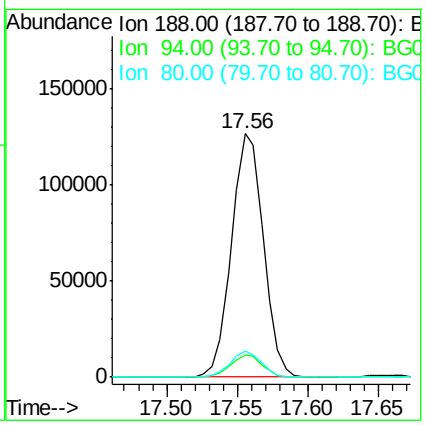


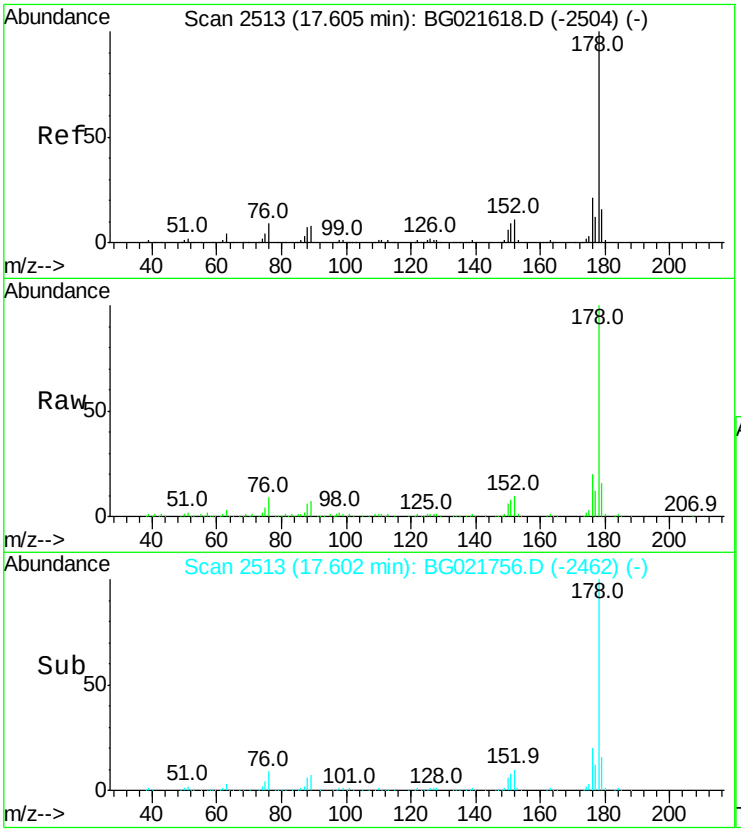




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.56 min Scan# 2505
Delta R.T. -0.01 min
Lab File: BG021756.D
Acq: 19 Apr 2016 5:36

Tgt Ion:188 Resp: 198700

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.0 | 7.5 | 11.3 |
| 80 | 10.4 | 8.6 | 13.0 |



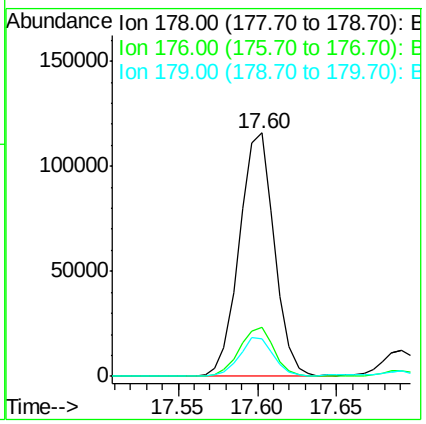


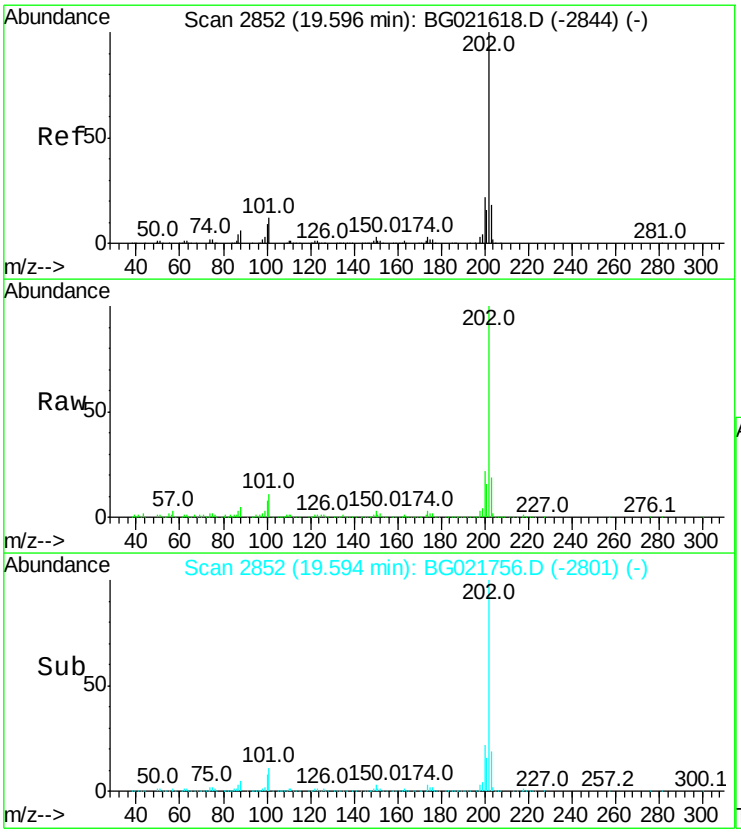

#70
Phenanthrene
Concen: 16.15 ng
RT: 17.60 min Scan# 2513
Delta R.T. -0.00 min
Lab File: BG021756.D
Acq: 19 Apr 2016 5:36

**Instrument :**
BNA_G
**ClientSampleId :**
POST-EX-DUP1-20160412

Tgt Ion:178 Resp: 176901

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.9 | 16.2 | 24.4 |
| 179 | 15.6 | 12.0 | 18.0 |

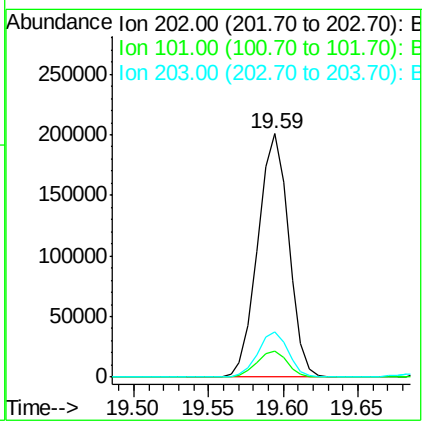


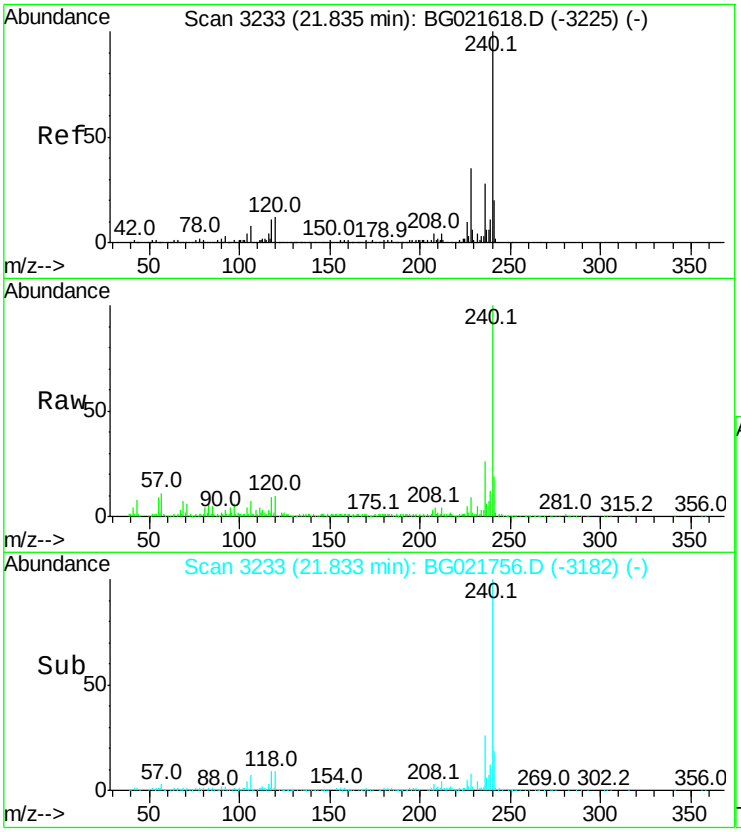




#74
Fluoranthene
Concen: 21.95 ng
RT: 19.59 min Scan# 2852
Delta R.T. -0.00 min
Lab File: BG021756.D
Acq: 19 Apr 2016 5:36

Tgt Ion:202 Resp: 287094

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.9 | 0.0 | 31.0 |
| 203 | 18.7 | 0.0 | 37.9 |



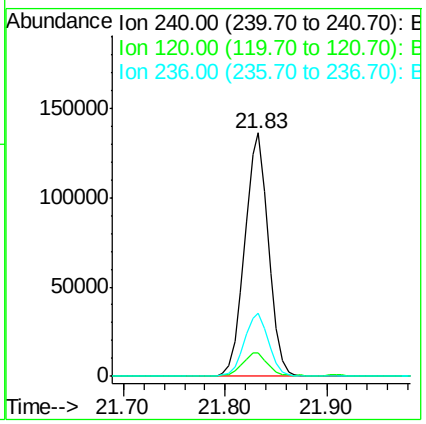


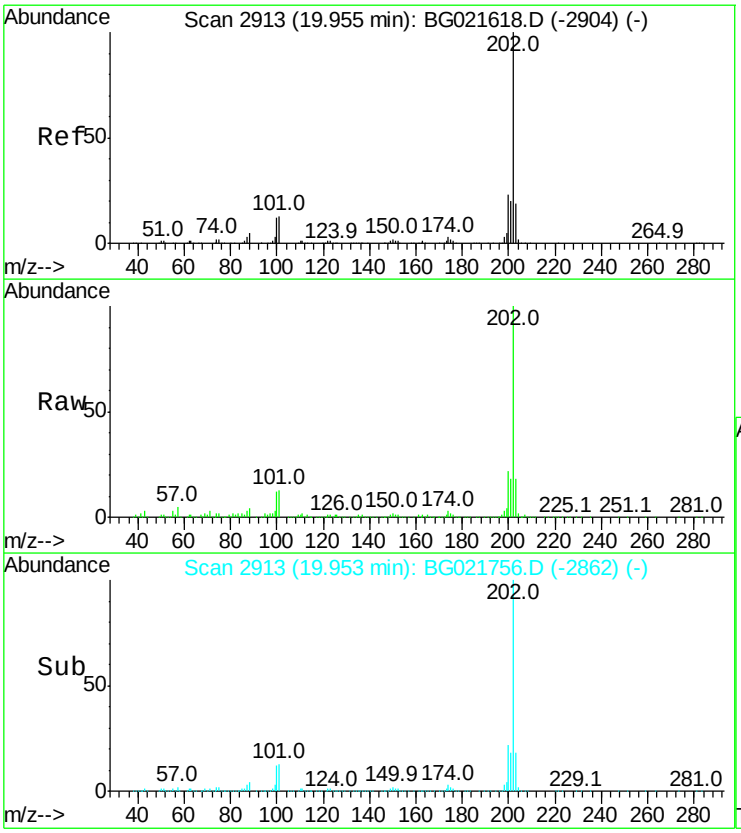

#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.83 min Scan# 3233
Delta R.T. -0.00 min
Lab File: BG021756.D
Acq: 19 Apr 2016 5:36

**Instrument :**
BNA_G
**ClientSampleId :**
POST-EX-DUP1-20160412

Tgt Ion:240 Resp: 220253

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.8 | 8.4 | 12.6 |
| 236 | 26.0 | 19.6 | 29.4 |

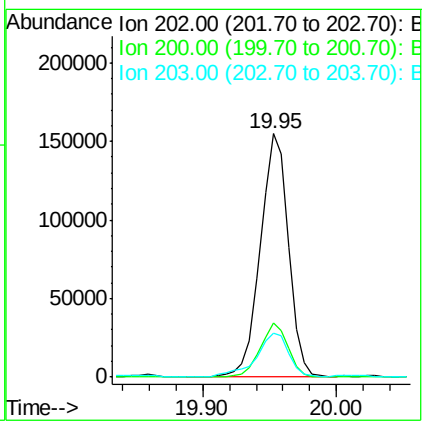


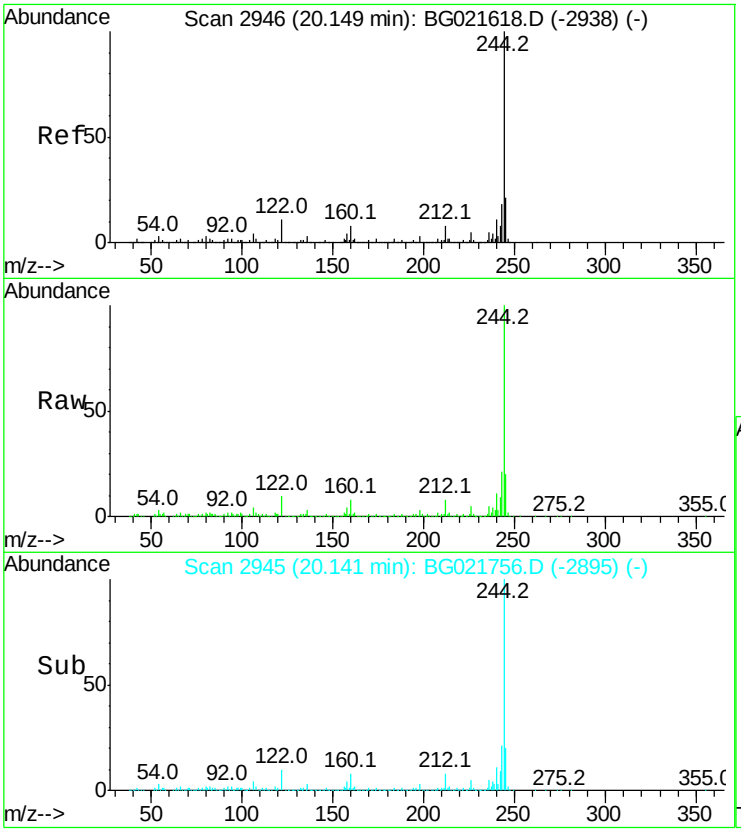




#77
Pyrene
Concen: 17.71 ng
RT: 19.95 min Scan# 2913
Delta R.T. -0.00 min
Lab File: BG021756.D
Acq: 19 Apr 2016 5:36

Tgt Ion:202 Resp: 224899

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 22.3 | 18.2 | 27.2 |
| 203 | 17.9 | 15.0 | 22.4 |



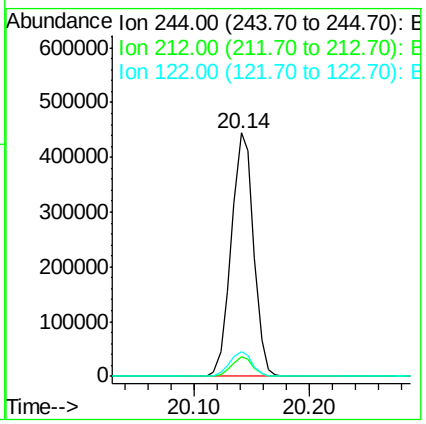


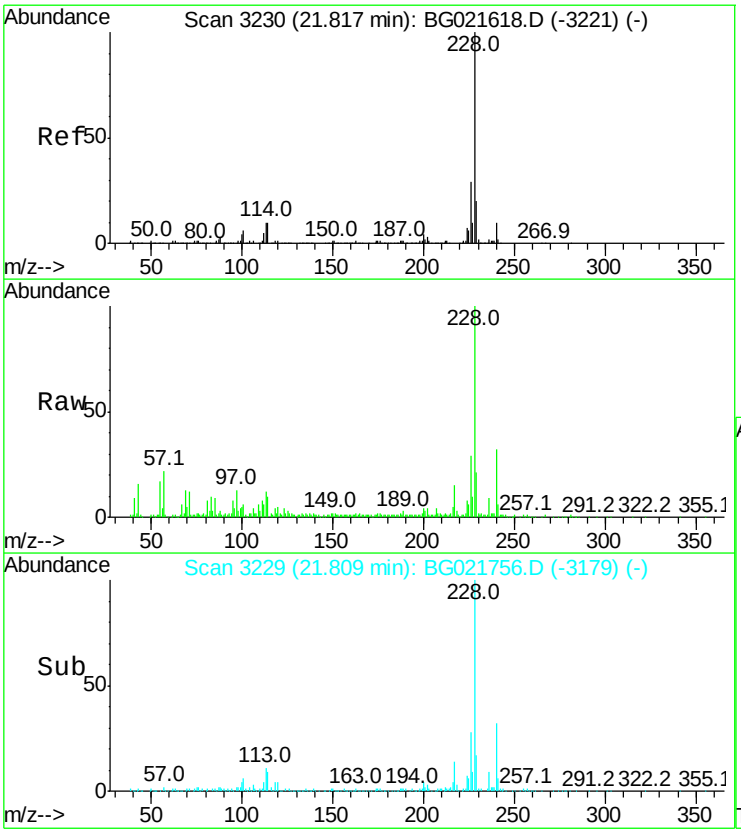

#78
Terphenyl-d14
Concen: 67.36 ng
RT: 20.14 min Scan# 2945
Delta R.T. -0.01 min
Lab File: BG021756.D
Acq: 19 Apr 2016 5:36

**Instrument :**
BNA_G
**ClientSampleId :**
POST-EX-DUP1-20160412

Tgt Ion:244 Resp: 594577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.1 | 6.5 | 9.7 |
| 122 | 10.3 | 8.6 | 12.8 |

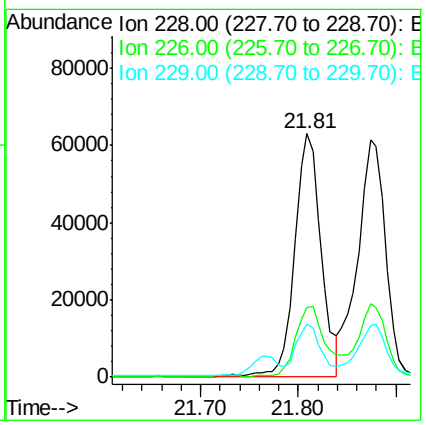


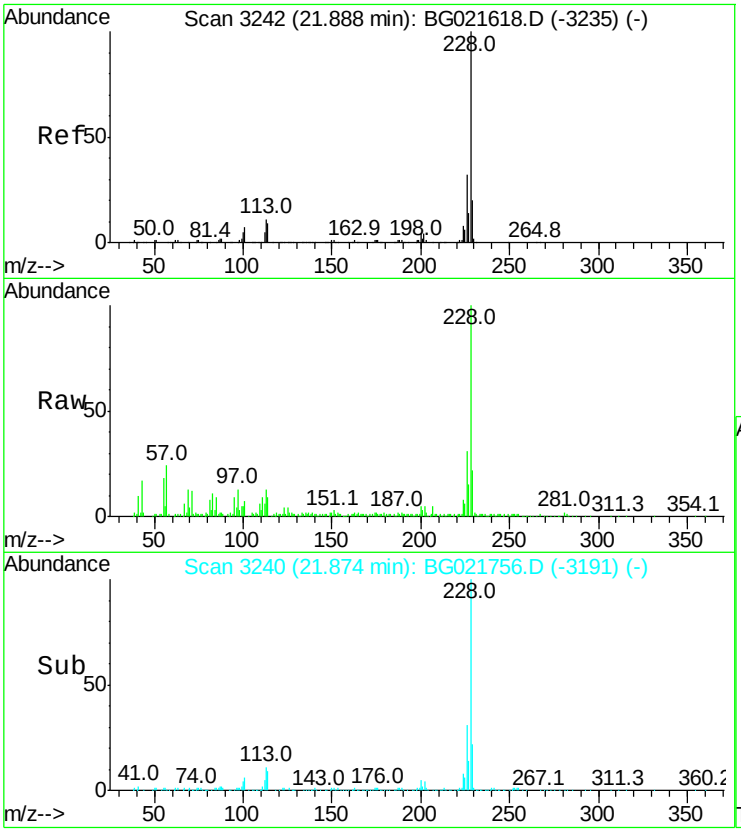




#80
Benzo(a)anthracene
Concen: 9.35 ng
RT: 21.81 min Scan# 3229
Delta R.T. -0.01 min
Lab File: BG021756.D
Acq: 19 Apr 2016 5:36

Tgt Ion:228 Resp: 118541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 28.7 | 22.6 | 34.0 |
| 229 | 21.5 | 16.1 | 24.1 |



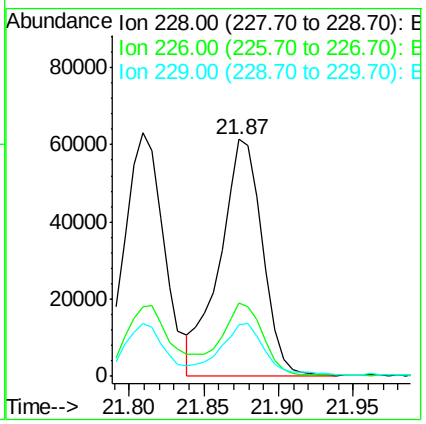


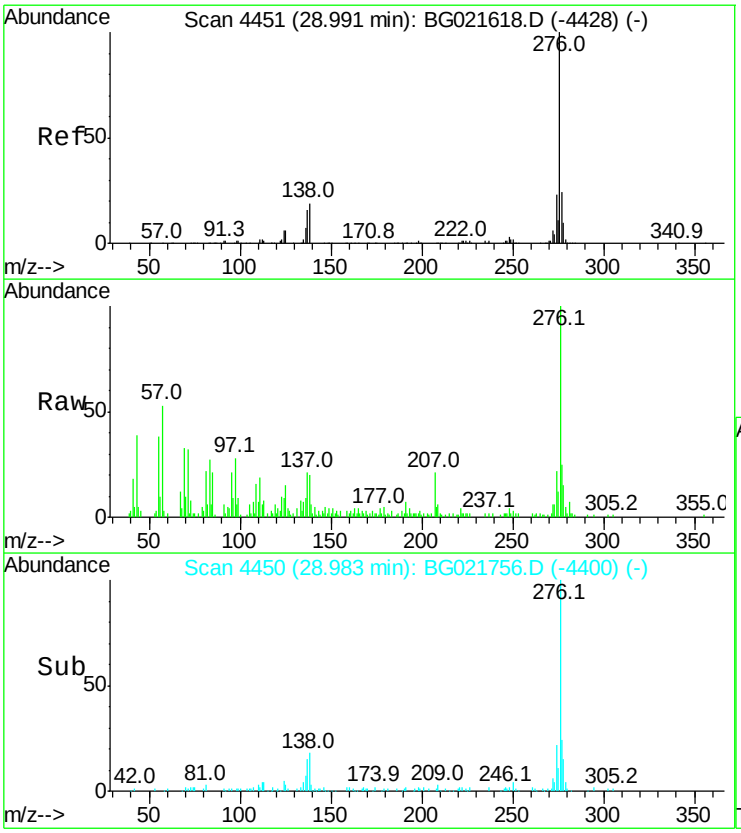

#82
Chrysene
Concen: 10.02 ng
RT: 21.87 min Scan# 3240
Delta R.T. -0.01 min
Lab File: BG021756.D
Acq: 19 Apr 2016 5:36

**Instrument :**
BNA_G
**ClientSampleId :**
POST-EX-DUP1-20160412

Tgt Ion:228 Resp: 122011

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.0 | 25.4 | 38.0 |
| 229 | 22.1 | 15.9 | 23.9 |

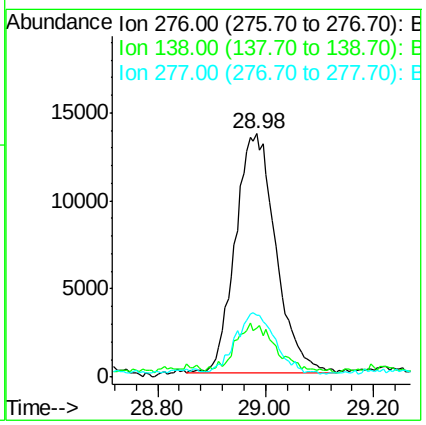


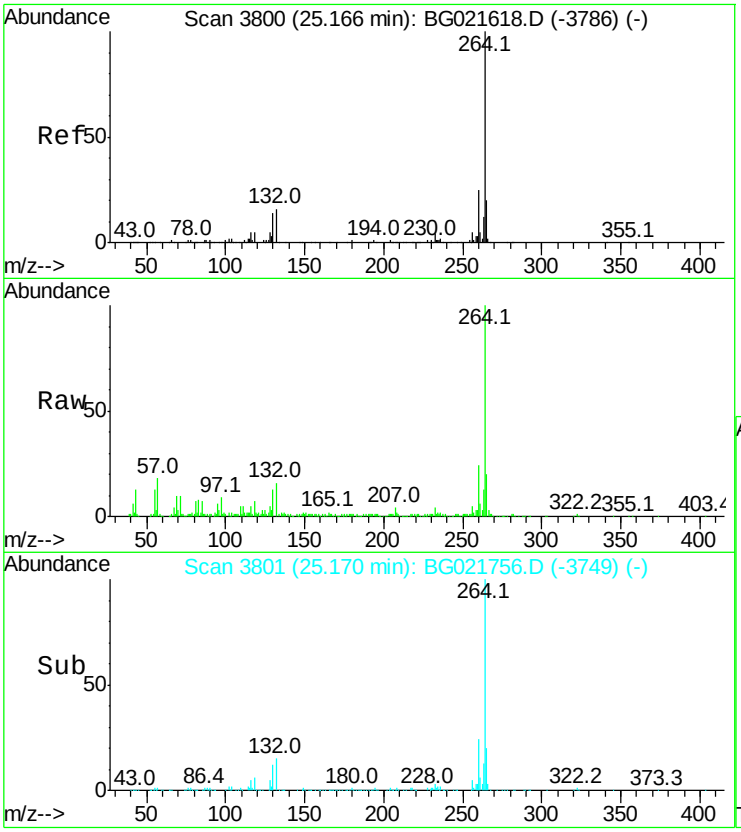




#85
Indeno(1,2,3-cd)pyrene
Concen: 4.90 ng
RT: 28.98 min Scan# 4450
Delta R.T. -0.01 min
Lab File: BG021756.D
Acq: 19 Apr 2016 5:36

Tgt Ion:276 Resp: 70995

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 19.1 | 14.0 | 21.0 |
| 277 | 22.7 | 20.6 | 30.8 |



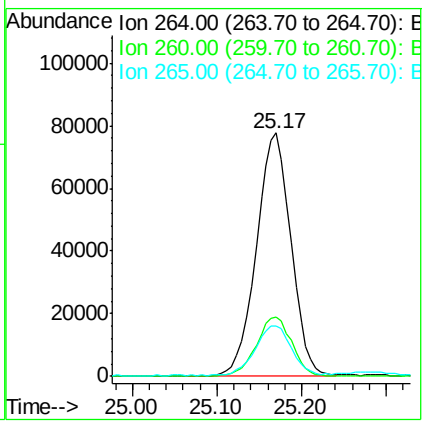


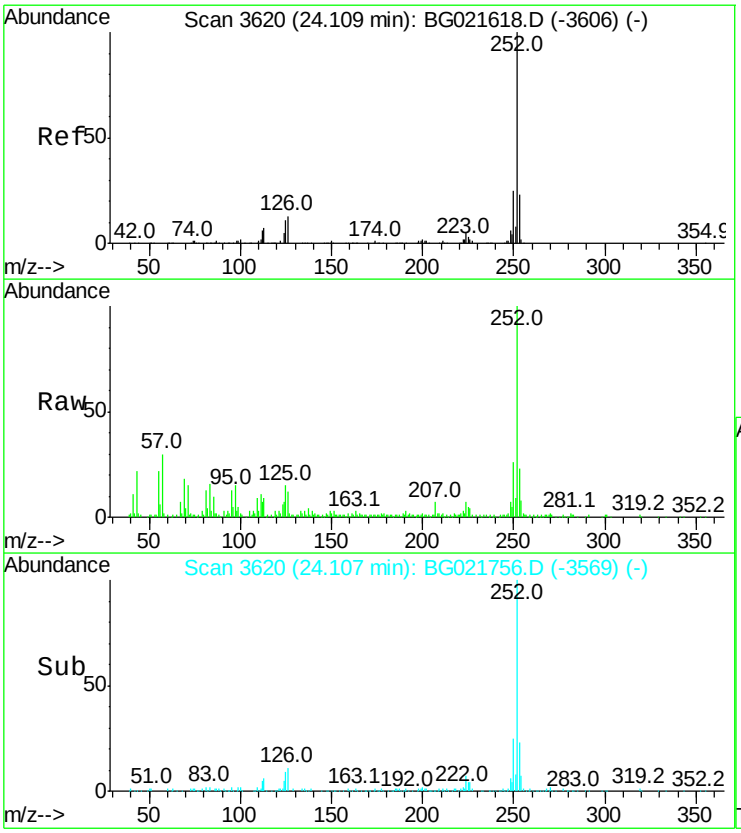

#86
Perylene-d12
Concen: 20.00 ng
RT: 25.17 min Scan# 3801
Delta R.T. 0.00 min
Lab File: BG021756.D
Acq: 19 Apr 2016 5:36

**Instrument :**
BNA_G
**ClientSampleId :**
POST-EX-DUP1-20160412

Tgt Ion:264 Resp: 220774

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.4 | 20.2 | 30.4 |
| 265 | 20.5 | 17.8 | 26.8 |

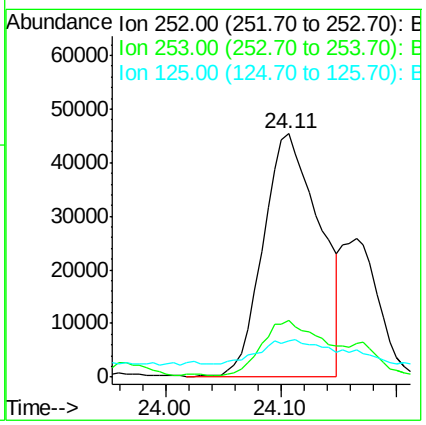


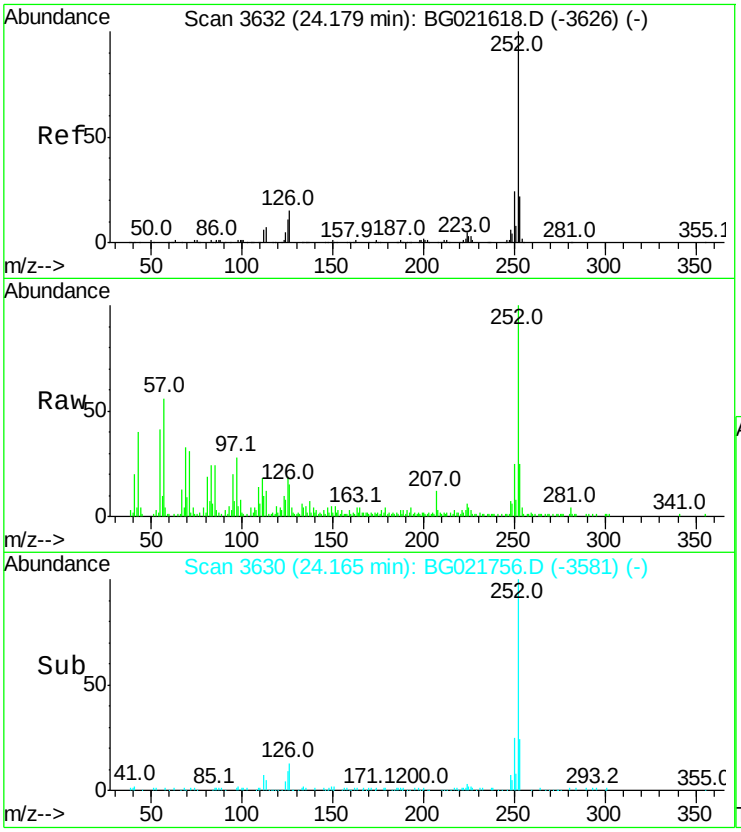




#87
Benzo(b)fluoranthene
Concen: 11.97 ng
RT: 24.11 min Scan# 3620
Delta R.T. -0.00 min
Lab File: BG021756.D
Acq: 19 Apr 2016 5:36

Tgt Ion:252 Resp: 153336

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.2 | 17.5 | 26.3 |
| 125 | 14.7 | 8.6 | 13.0# |



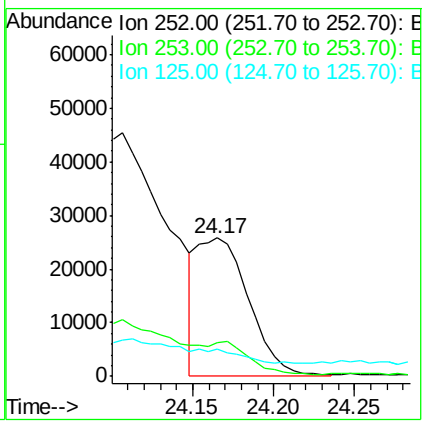


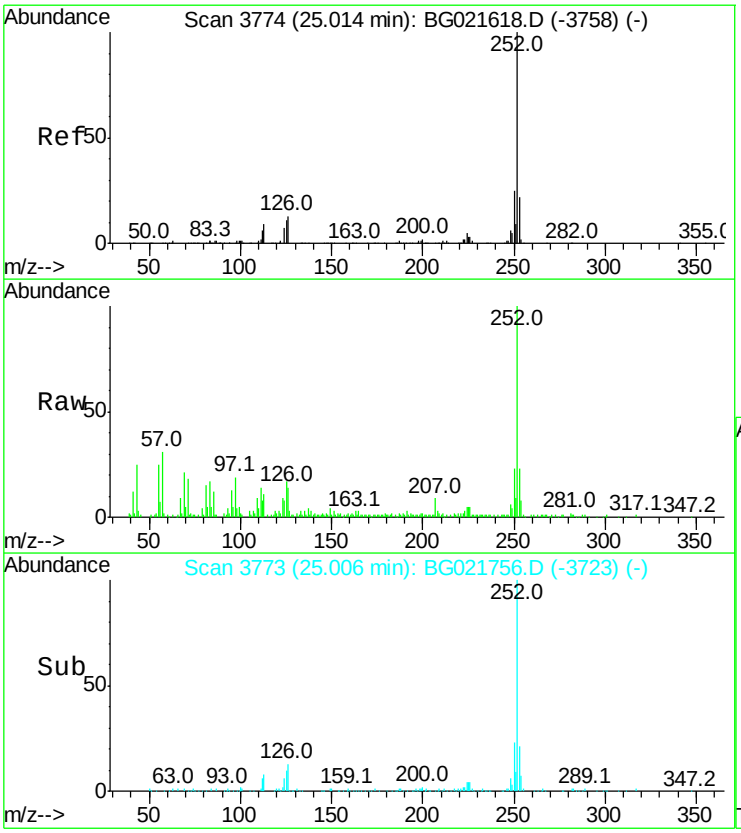

#88
Benzo(k)fluoranthene
Concen: 4.57 ng m
RT: 24.17 min Scan# 3630
Delta R.T. -0.01 min
Lab File: BG021756.D
Acq: 19 Apr 2016 5:36

**Instrument :**
BNA_G
**ClientSampleId :**
POST-EX-DUP1-20160412

Tgt Ion:252 Resp: 57238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.6 | 17.8 | 26.8 |
| 125 | 19.3 | 8.3 | 12.5# |

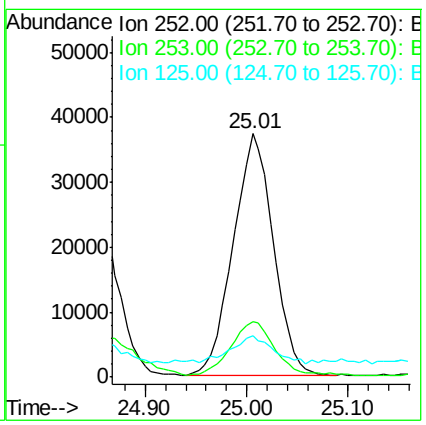


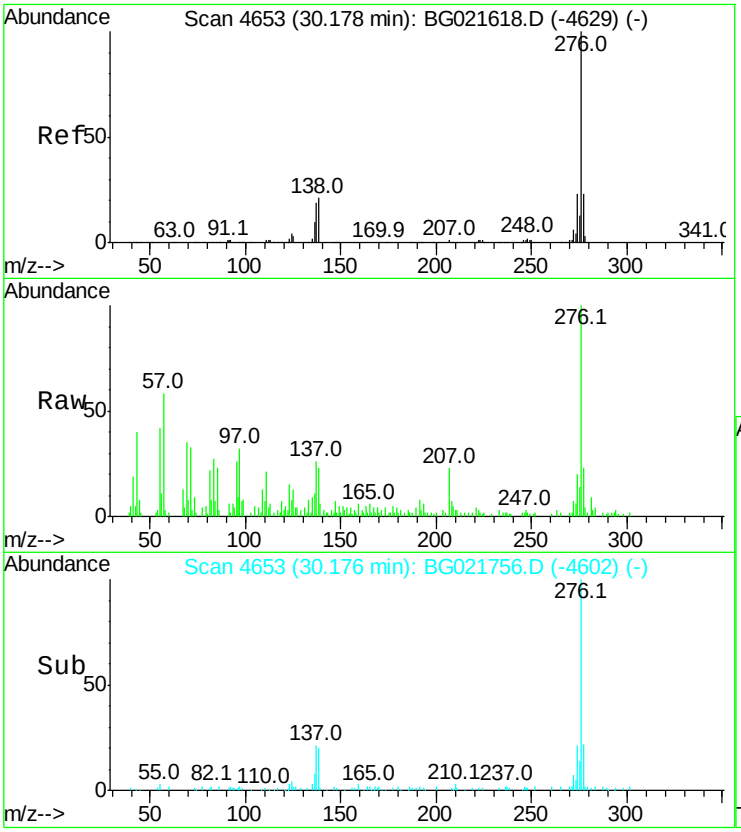




#89
Benzo(a)pyrene
Concen: 8.21 ng
RT: 25.01 min Scan# 3773
Delta R.T. -0.01 min
Lab File: BG021756.D
Acq: 19 Apr 2016 5:36

Tgt Ion:252 Resp: 101893

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.7 | 17.1 | 25.7 |
| 125 | 16.8 | 9.6 | 14.4# |






#91
Benzo(g,h,i)perylene
Concen: 5.11 ng
RT: 30.18 min Scan# 4653
Delta R.T. -0.00 min
Lab File: BG021756.D
Acq: 19 Apr 2016 5:36

**Instrument :**
BNA_G
**ClientSampleId :**
POST-EX-DUP1-20160412

Tgt Ion:276 Resp: 62357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.4 | 19.4 | 29.2 |
| 138 | 23.1 | 17.4 | 26.0 |