Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041916\
Data File : BG021758.D
Acq On : 19 Apr 2016 6:55
Operator : UM/SJ
Sample : H2503-08
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** POST-EX-22-20160412

Quant Time: Apr 19 07:33:21 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 | 33579 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 11.03 | 136 | 152343 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.82 | 164 | 91822 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.56 | 188 | 198658 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.83 | 240 | 220215 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 25.17 | 264 | 221076 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.76 | 112 | 195674 | 97.04 | ng | | 0.00 |
| 7) Phenol-d6 | 7.36 | 99 | 366000 | 121.51 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.38 | 82 | 233468 | 78.77 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.30 | 330 | 72691 | 73.45 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.45 | 172 | 471300 | 75.20 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.14 | 244 | 596215 | 67.56 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 49) Dimethylphthalate | 14.26 | 163 | 63306 | 7.97 | ng | | 99 |
| 55) 4-Nitrophenol | 15.21 | 139 | 2952 | 2.05 | ng | # | 5 |
| 70) Phenanthrene | 17.60 | 178 | 120641 | 11.02 | ng | | 98 |
| 71) Anthracene | 17.69 | 178 | 22892 | 2.06 | ng | | 99 |
| 74) Fluoranthene | 19.59 | 202 | 172163 | 13.17 | ng | | 100 |
| 77) Pyrene | 19.95 | 202 | 164852 | 12.98 | ng | | 98 |
| 80) Benzo(a)anthracene | 21.81 | 228 | 85603 | 6.75 | ng | | 98 |
| 82) Chrysene | 21.88 | 228 | 81849 | 6.72 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 21.69 | 149 | 21970 | 2.55 | ng | # | 96 |
| 85) Indeno(1,2,3-cd)pyrene | 28.99 | 276 | 47590 | 3.29 | ng | # | 89 |
| 87) Benzo(b)fluoranthene | 24.10 | 252 | 98441 | 7.67 | ng | # | 94 |
| 88) Benzo(k)fluoranthene | 24.10 | 252 | 98441 | 7.85 | ng | # | 95 |
| 89) Benzo(a)pyrene | 25.00 | 252 | 75406 | 6.07 | ng | # | 93 |
| 91) Benzo(g,h,i)perylene | 30.17 | 276 | 46534 | 3.81 | ng | | 97 |

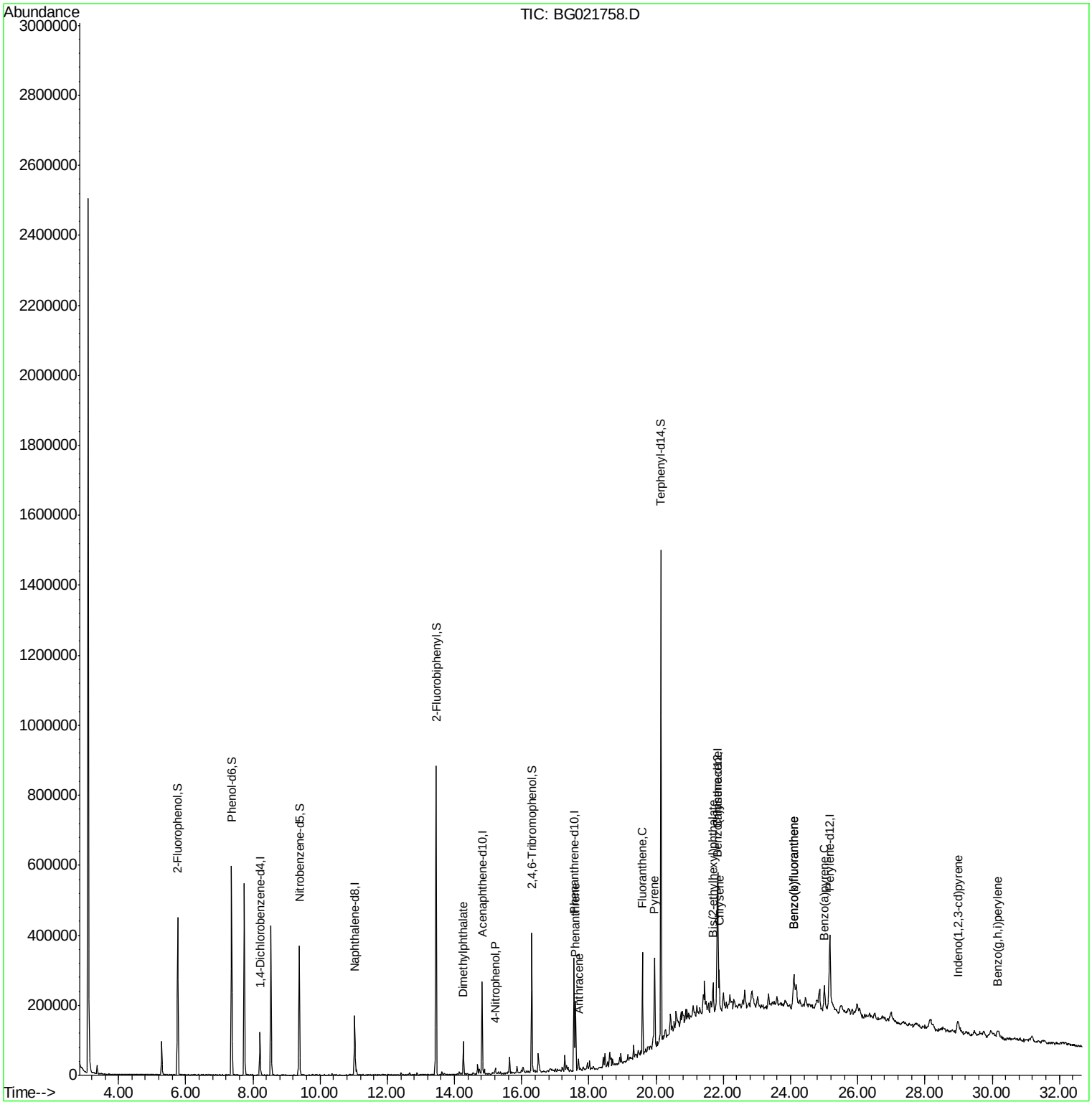
(#) = qualifier out of range (m) = manual integration (+) = signals summed

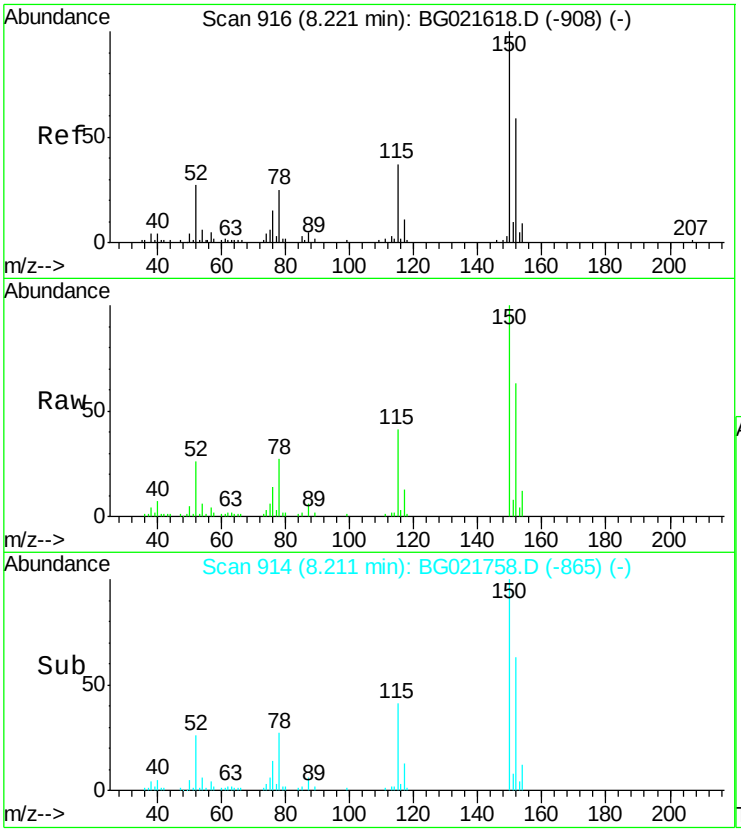
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041916\
Data File : BG021758.D
Acq On : 19 Apr 2016 6:55
Operator : UM/SJ
Sample : H2503-08
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
POST-EX-22-20160412

Quant Time: Apr 19 07:33:21 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



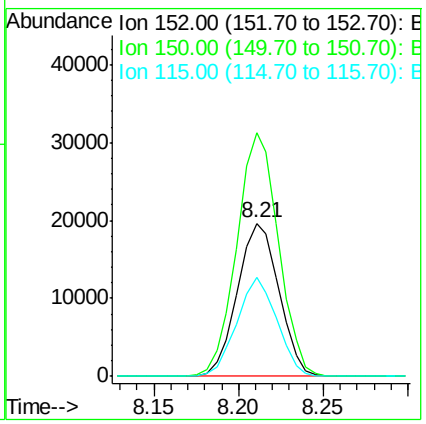


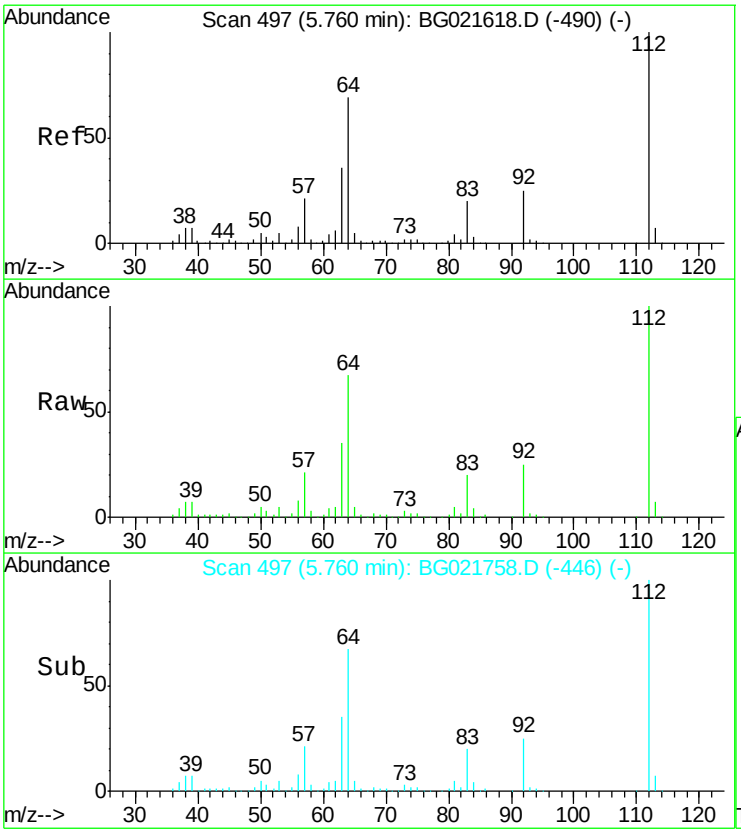

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.21 min Scan# 914
Delta R.T. -0.01 min
Lab File: BG021758.D
Acq: 19 Apr 2016 6:55

**Instrument :**
BNA_G
**ClientSampleId :**
POST-EX-22-20160412

Tgt Ion:152 Resp: 33579

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 158.8 | 130.1 | 195.1 |
| 115 | 64.7 | 62.2 | 93.2 |

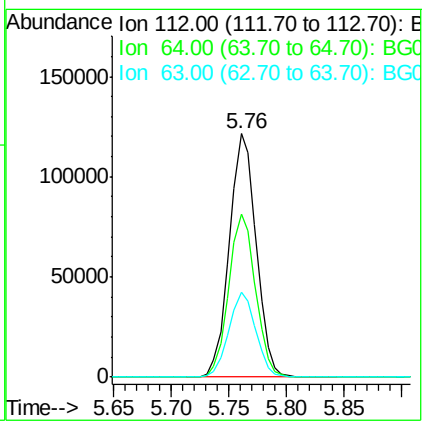


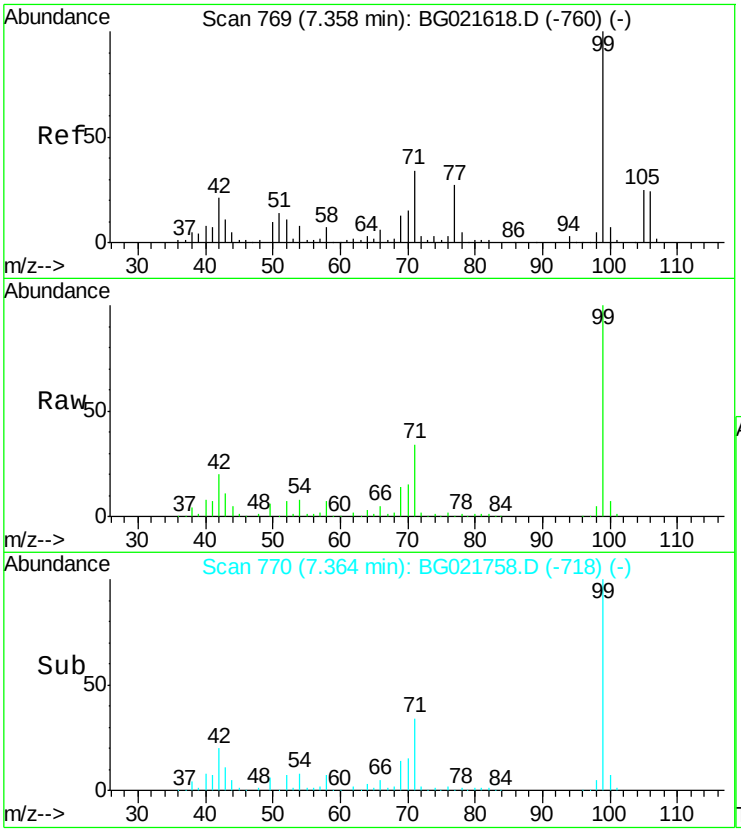




#5
2-Fluorophenol
Concen: 97.04 ng
RT: 5.76 min Scan# 497
Delta R.T. 0.00 min
Lab File: BG021758.D
Acq: 19 Apr 2016 6:55

Tgt Ion:112 Resp: 195674

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 66.9 | 51.1 | 76.7 |
| 63 | 34.9 | 24.6 | 37.0 |



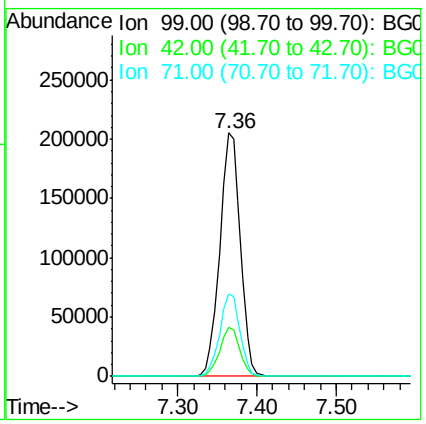


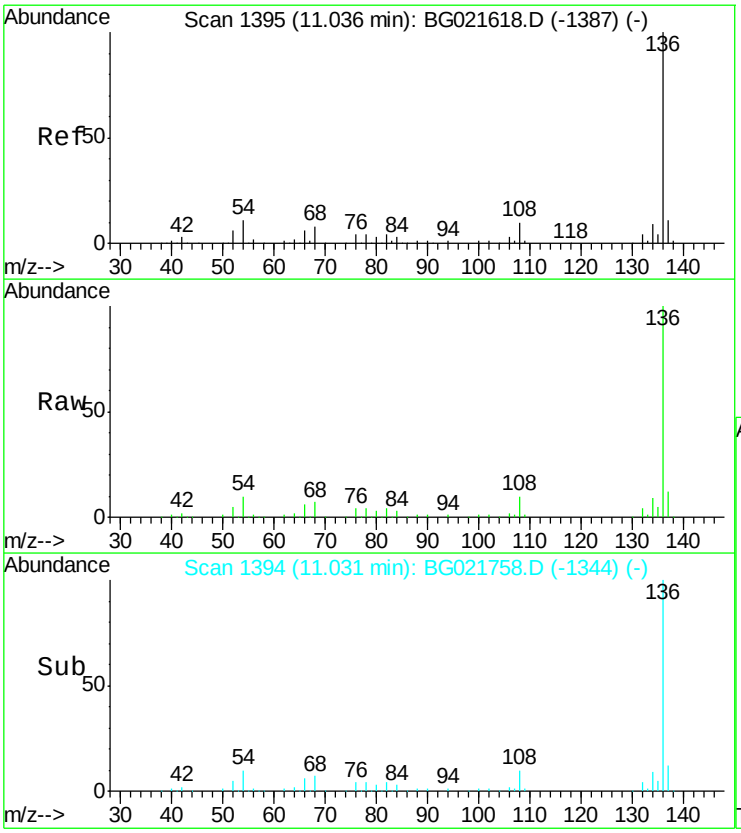

#7
Phenol-d6
Concen: 121.51 ng
RT: 7.36 min Scan# 770
Delta R.T. 0.01 min
Lab File: BG021758.D
Acq: 19 Apr 2016 6:55

**Instrument :**
BNA_G
**ClientSampleId :**
POST-EX-22-20160412

Tgt Ion: 99 Resp: 366000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 19.9 | 16.4 | 24.6 |
| 71 | 33.8 | 25.0 | 37.4 |

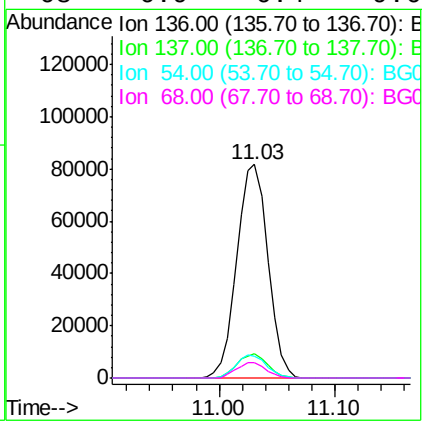


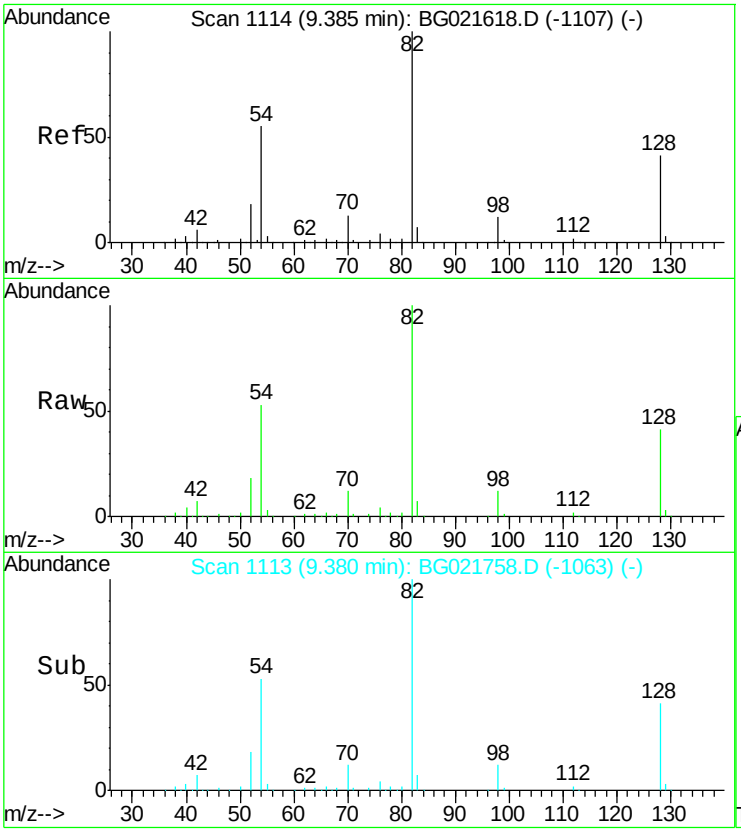




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.03 min Scan# 1394
Delta R.T. -0.01 min
Lab File: BG021758.D
Acq: 19 Apr 2016 6:55

Tgt Ion:136 Resp: 152343

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.7 | 9.0 | 13.4 |
| 54 | 10.0 | 9.6 | 14.4 |
| 68 | 6.9 | 6.4 | 9.6 |



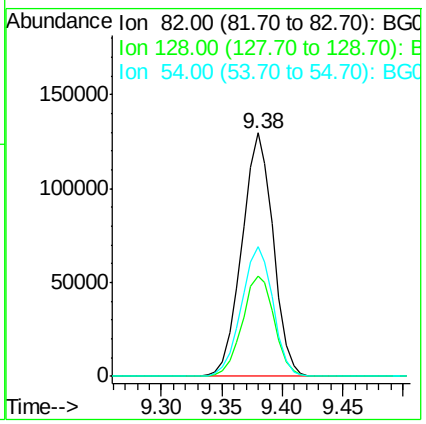


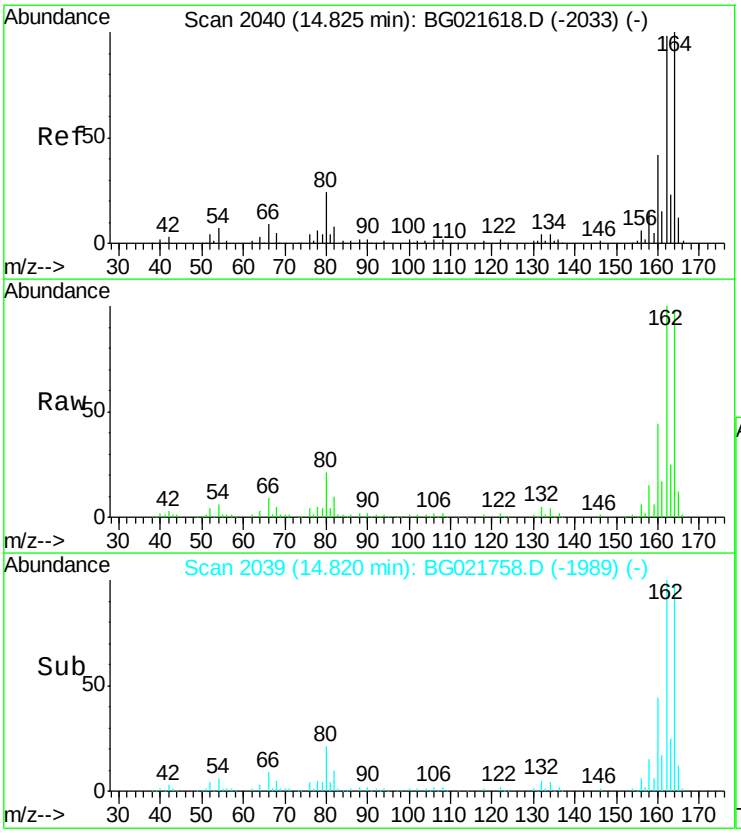

#23
Nitrobenzene-d5
Concen: 78.77 ng
RT: 9.38 min Scan# 1113
Delta R.T. -0.01 min
Lab File: BG021758.D
Acq: 19 Apr 2016 6:55

**Instrument :**
BNA_G
**ClientSampleId :**
POST-EX-22-20160412

Tgt Ion: 82 Resp: 233468

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 41.1 | 33.4 | 50.0 |
| 54 | 53.3 | 46.1 | 69.1 |

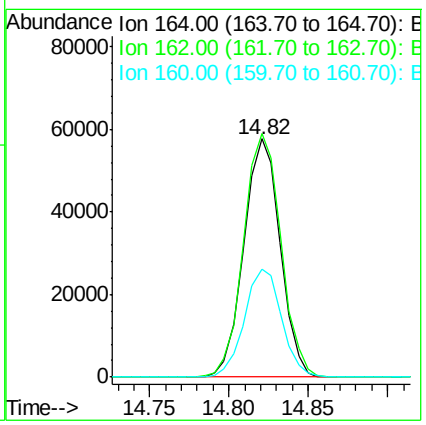


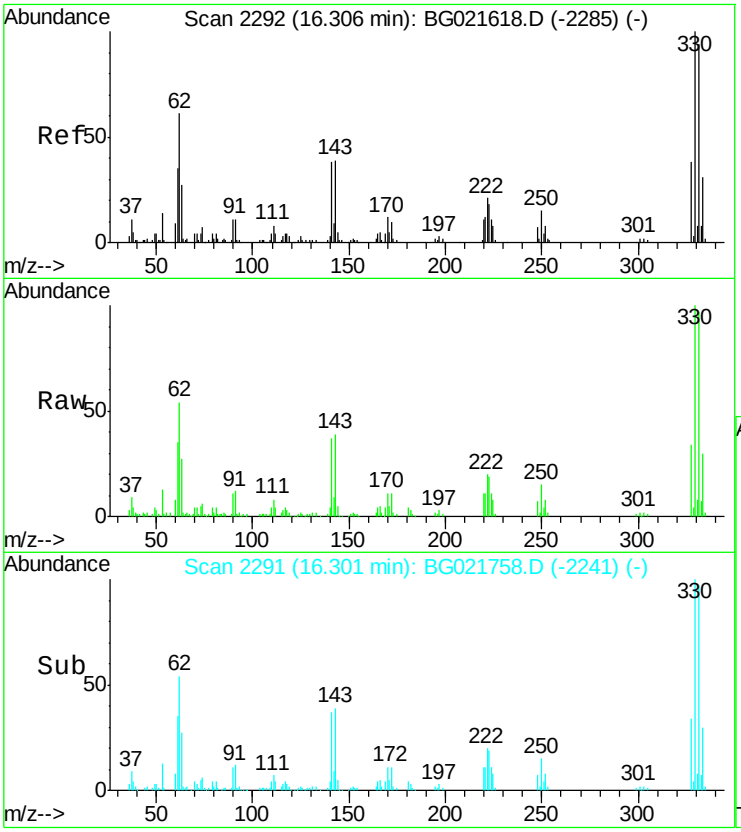




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.82 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BG021758.D
Acq: 19 Apr 2016 6:55

Tgt Ion:164 Resp: 91822

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.2 | 78.0 | 117.0 |
| 160 | 45.3 | 32.9 | 49.3 |



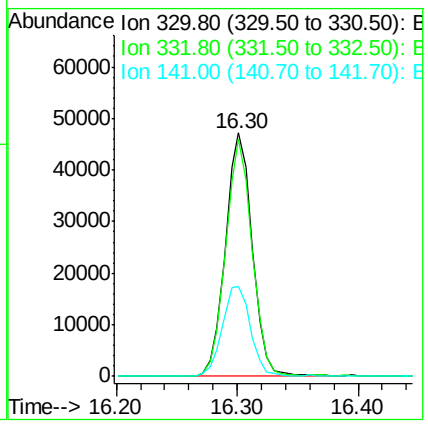


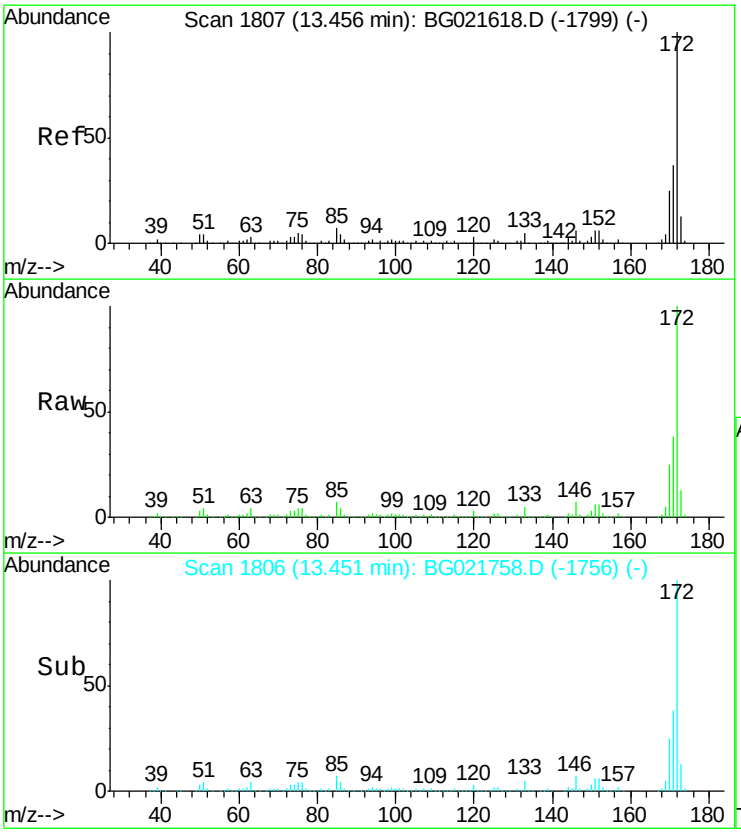

#41
2,4,6-Tribromophenol
Concen: 73.45 ng
RT: 16.30 min Scan# 2291
Delta R.T. -0.01 min
Lab File: BG021758.D
Acq: 19 Apr 2016 6:55

**Instrument :**
BNA_G
**ClientSampleId :**
POST-EX-22-20160412

Tgt Ion:330 Resp: 72691

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.9 | 78.0 | 117.0 |
| 141 | 39.2 | 33.8 | 50.8 |

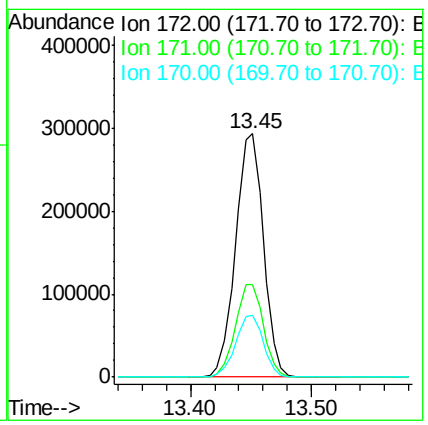


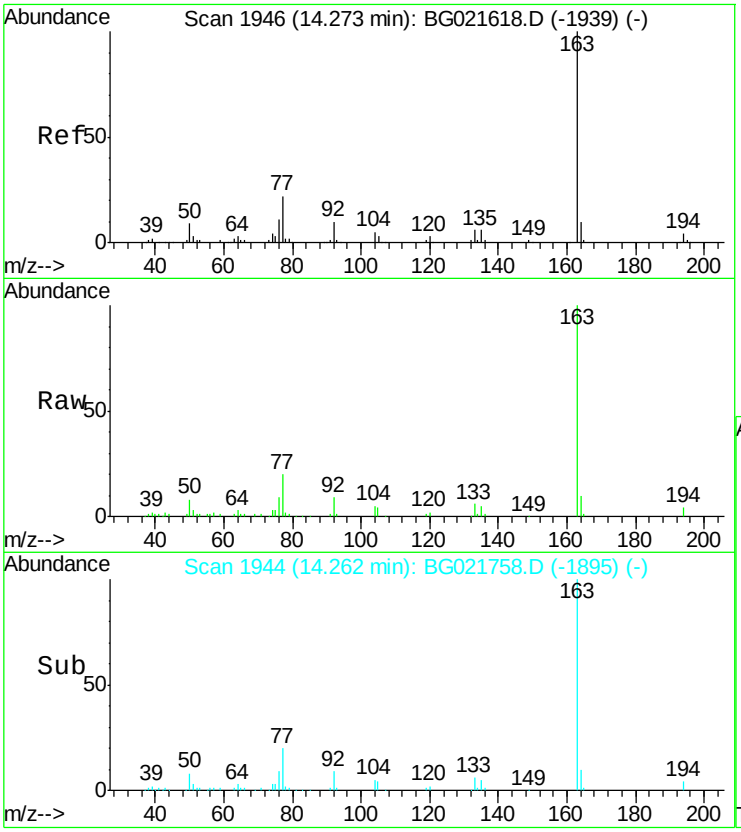




#44
2-Fluorobiphenyl
Concen: 75.20 ng
RT: 13.45 min Scan# 1806
Delta R.T. -0.01 min
Lab File: BG021758.D
Acq: 19 Apr 2016 6:55

Tgt Ion:172 Resp: 471300

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 38.1 | 27.8 | 41.6 |
| 170 | 25.2 | 19.6 | 29.4 |



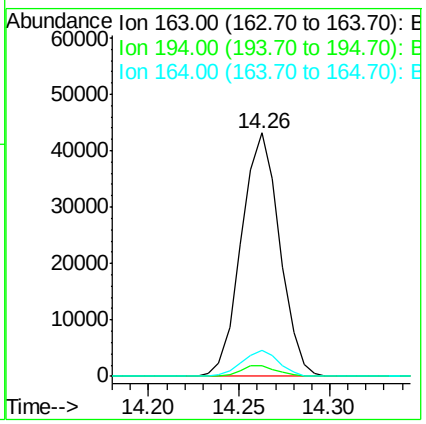


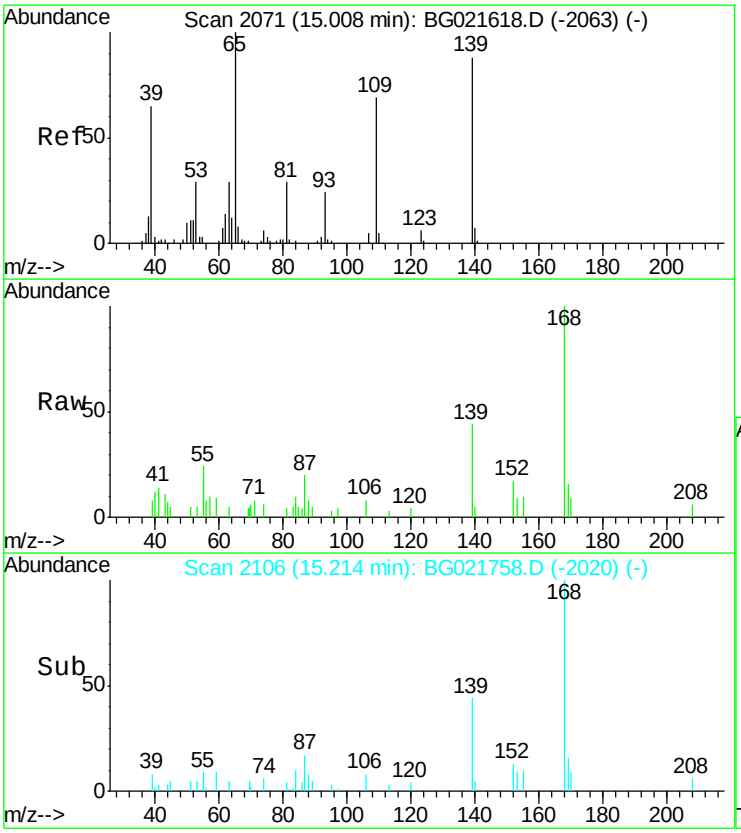

#49
Dimethylphthalate
Concen: 7.97 ng
RT: 14.26 min Scan# 1944
Delta R.T. -0.01 min
Lab File: BG021758.D
Acq: 19 Apr 2016 6:55

**Instrument :**
BNA_G
**ClientSampleId :**
POST-EX-22-20160412

Tgt Ion:163 Resp: 63306

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.4 | 3.0 | 4.6 |
| 164 | 10.5 | 8.1 | 12.1 |

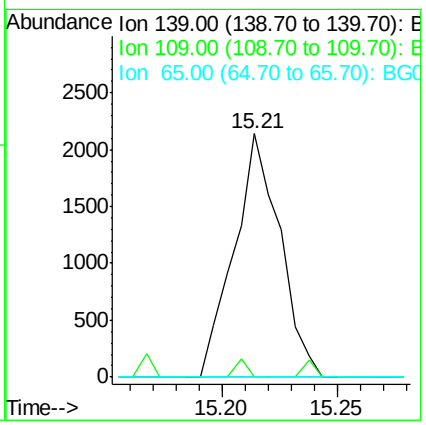


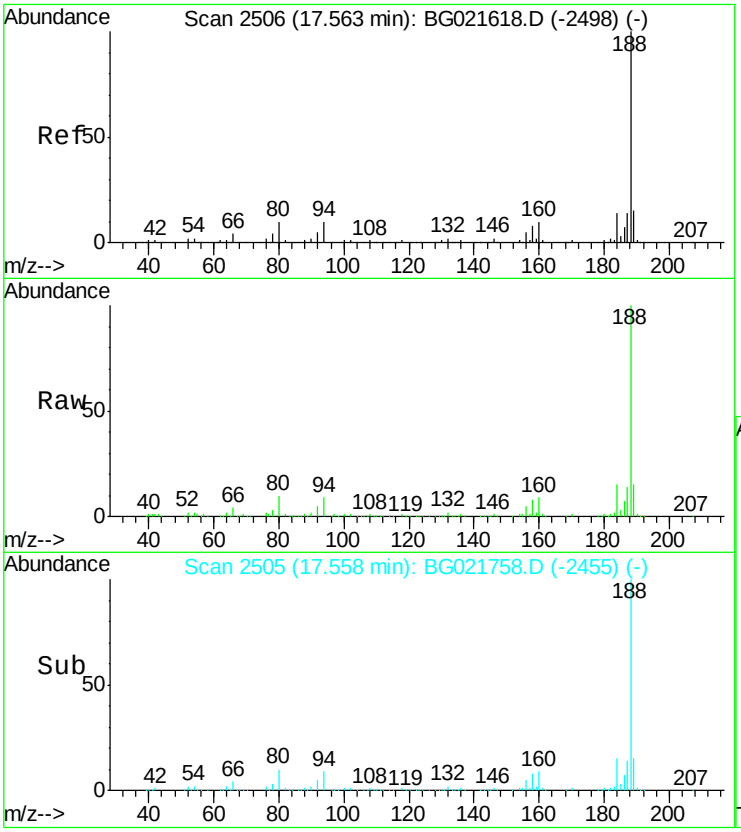




#55
4-Nitrophenol
Concen: 2.05 ng
RT: 15.21 min Scan# 2106
Delta R.T. 0.21 min
Lab File: BG021758.D
Acq: 19 Apr 2016 6:55

Tgt Ion:139 Resp: 2952

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 0.0 | 49.2 | 89.2# |
| 65 | 0.0 | 83.2 | 123.2# |



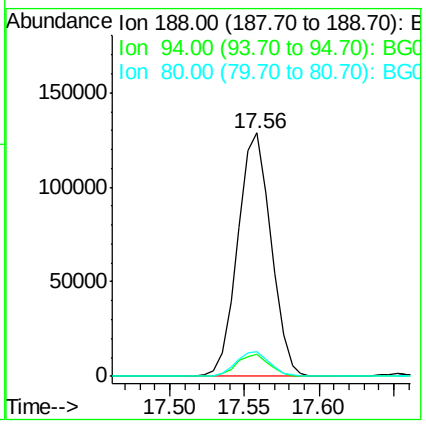


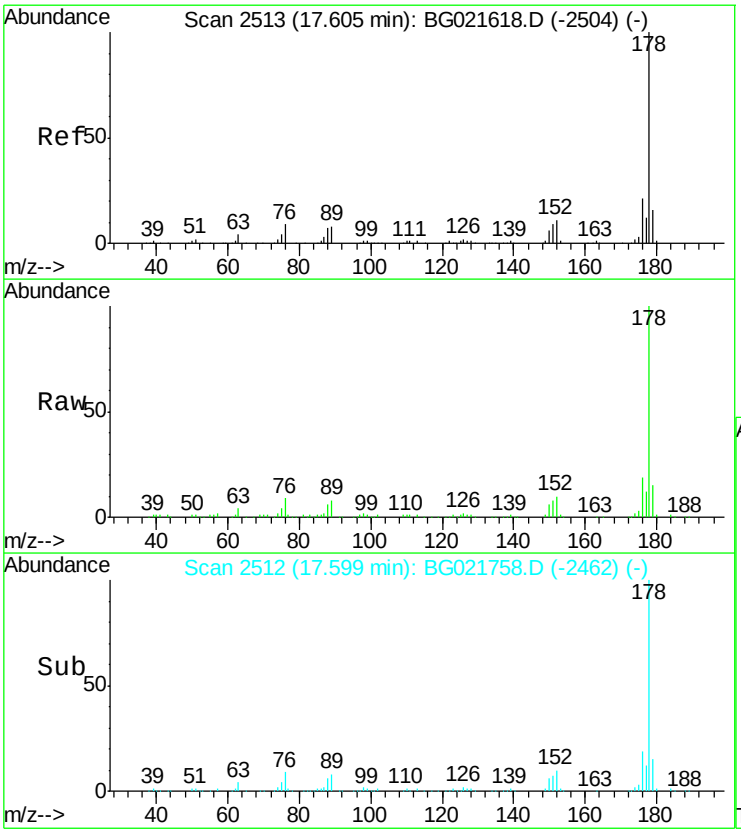

#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.56 min Scan# 2505
Delta R.T. -0.01 min
Lab File: BG021758.D
Acq: 19 Apr 2016 6:55

**Instrument :**
BNA_G
**ClientSampleId :**
POST-EX-22-20160412

Tgt Ion:188 Resp: 198658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.9 | 7.5 | 11.3 |
| 80 | 10.1 | 8.6 | 13.0 |

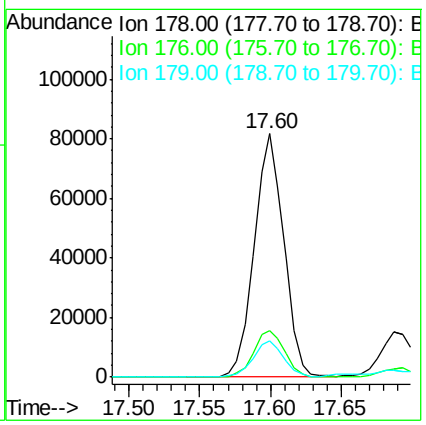


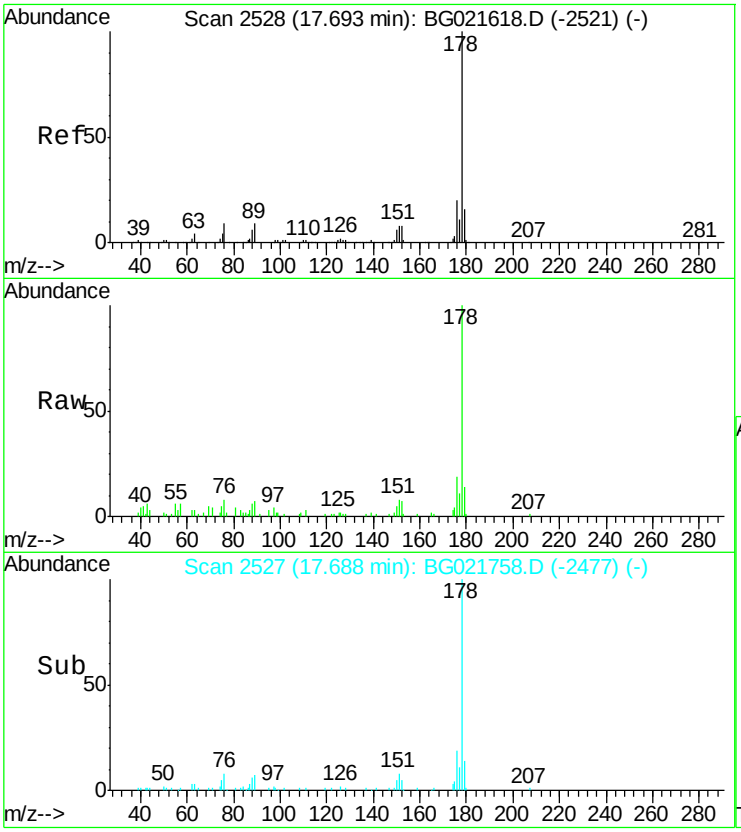




#70
Phenanthrene
Concen: 11.02 ng
RT: 17.60 min Scan# 2512
Delta R.T. -0.01 min
Lab File: BG021758.D
Acq: 19 Apr 2016 6:55

Tgt Ion:178 Resp: 120641

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.9 | 16.2 | 24.4 |
| 179 | 15.0 | 12.0 | 18.0 |



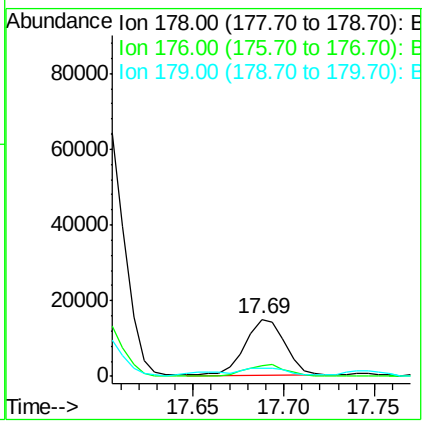


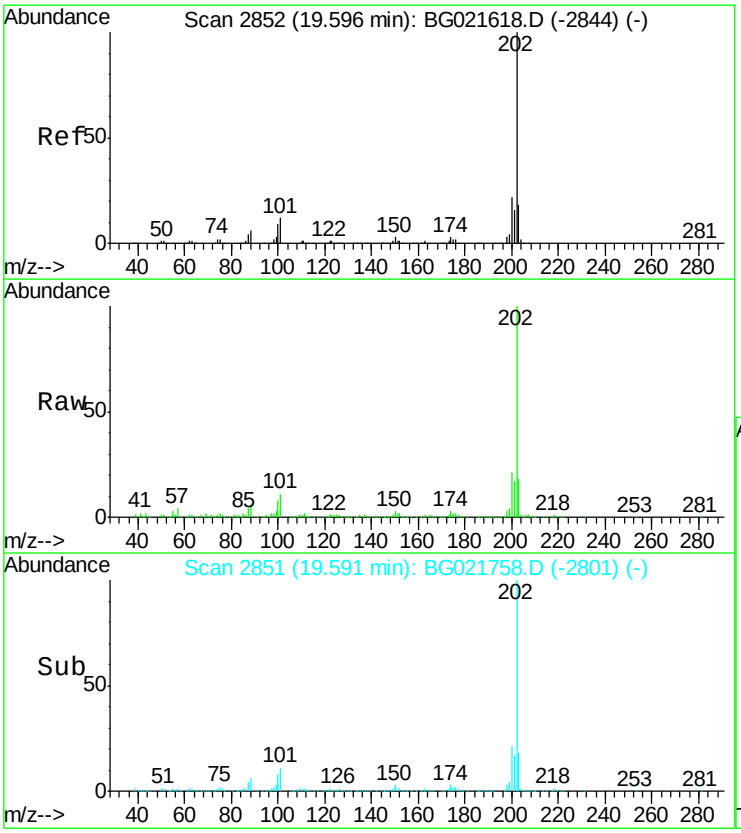

#71
Anthracene
Concen: 2.06 ng
RT: 17.69 min Scan# 2527
Delta R.T. -0.01 min
Lab File: BG021758.D
Acq: 19 Apr 2016 6:55

**Instrument :**
BNA_G
**ClientSampleId :**
POST-EX-22-20160412

Tgt Ion:178 Resp: 22892

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.8 | 15.0 | 22.4 |
| 179 | 14.4 | 12.2 | 18.4 |

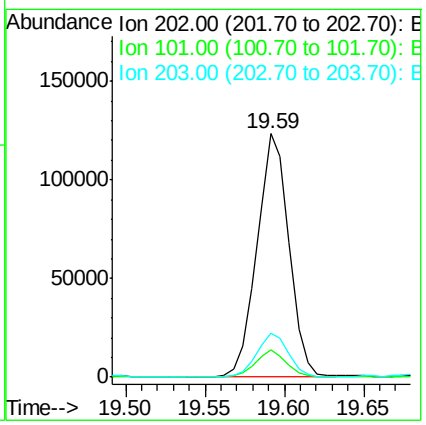


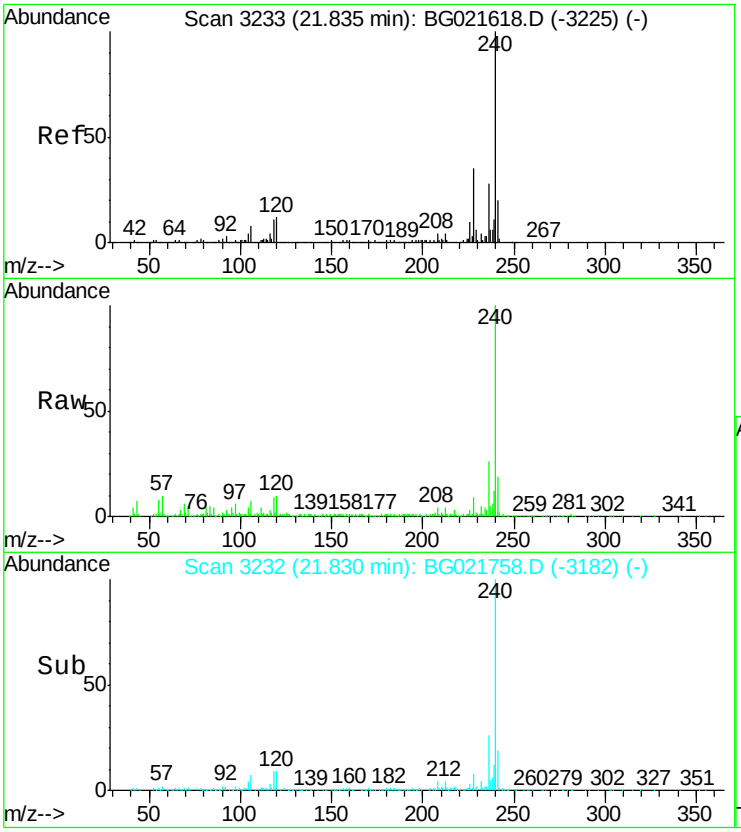




#74
Fluoranthene
Concen: 13.17 ng
RT: 19.59 min Scan# 2851
Delta R.T. -0.01 min
Lab File: BG021758.D
Acq: 19 Apr 2016 6:55

Tgt Ion:202 Resp: 172163

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.0 | 0.0 | 31.0 |
| 203 | 17.9 | 0.0 | 37.9 |



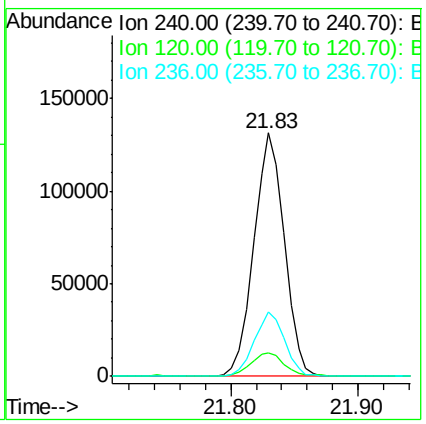


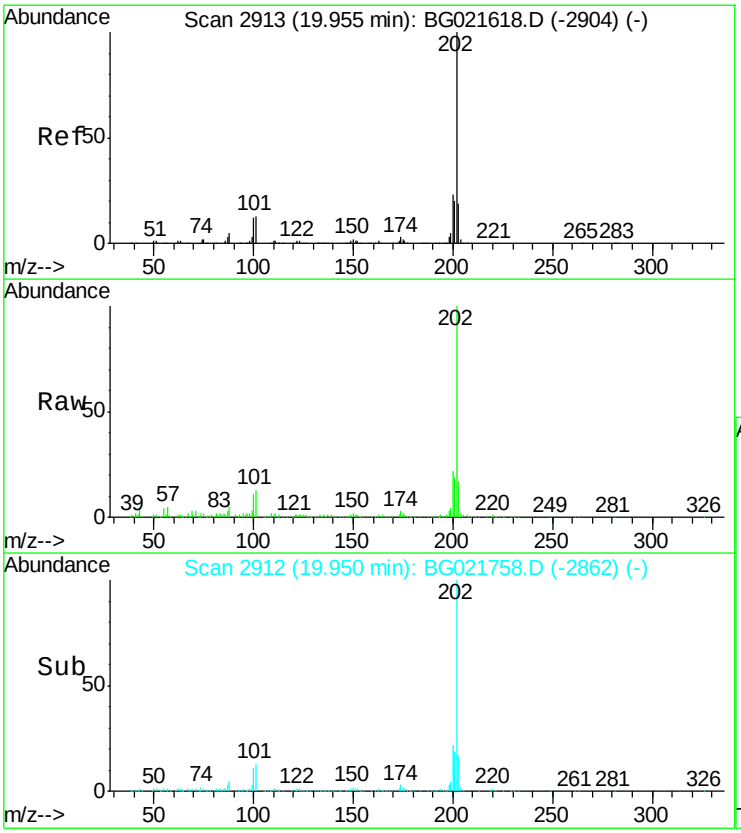

#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.83 min Scan# 3232
Delta R.T. -0.01 min
Lab File: BG021758.D
Acq: 19 Apr 2016 6:55

**Instrument :**
BNA_G
**ClientSampleId :**
POST-EX-22-20160412

Tgt Ion:240 Resp: 220215

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.7 | 8.4 | 12.6 |
| 236 | 26.4 | 19.6 | 29.4 |

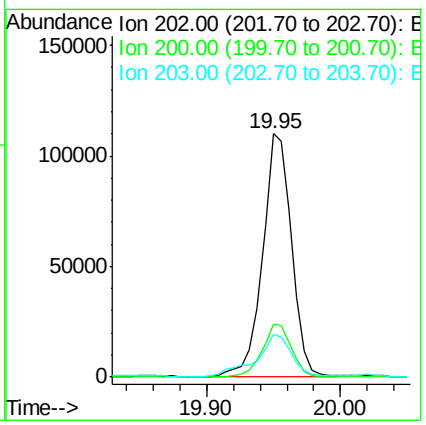


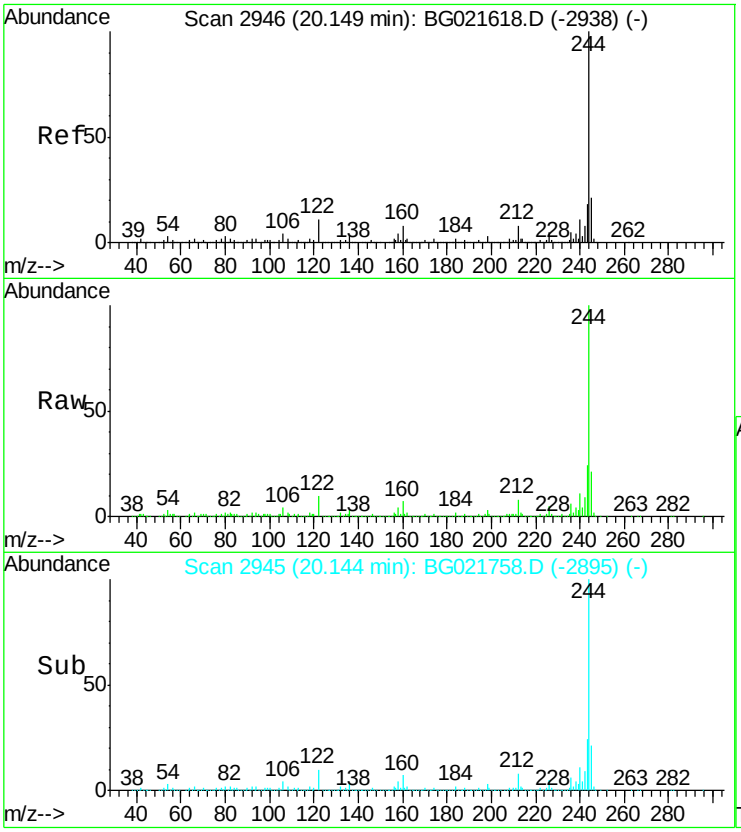




#77
Pyrene
Concen: 12.98 ng
RT: 19.95 min Scan# 2912
Delta R.T. -0.01 min
Lab File: BG021758.D
Acq: 19 Apr 2016 6:55

Tgt Ion:202 Resp: 164852

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 22.0 | 18.2 | 27.2 |
| 203 | 17.3 | 15.0 | 22.4 |



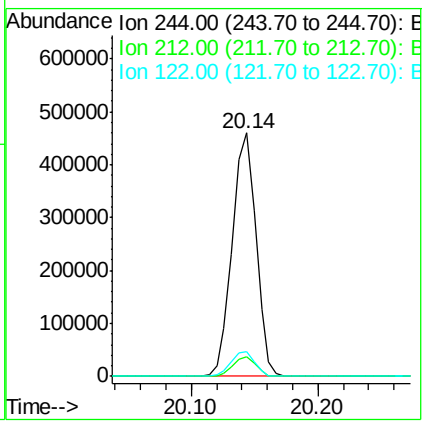


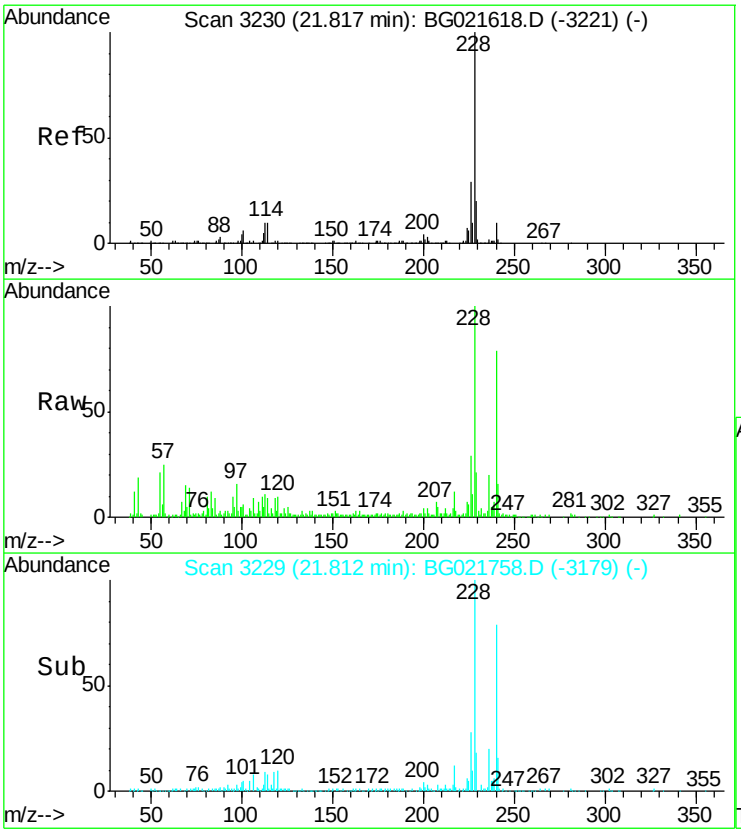

#78
Terphenyl-d14
Concen: 67.56 ng
RT: 20.14 min Scan# 2945
Delta R.T. -0.01 min
Lab File: BG021758.D
Acq: 19 Apr 2016 6:55

**Instrument :**
BNA_G
**ClientSampleId :**
POST-EX-22-20160412

Tgt Ion:244 Resp: 596215

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.0 | 6.5 | 9.7 |
| 122 | 10.0 | 8.6 | 12.8 |

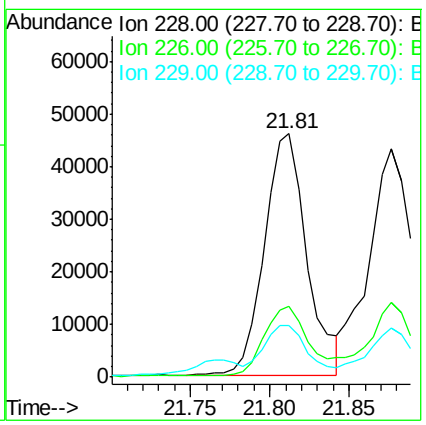


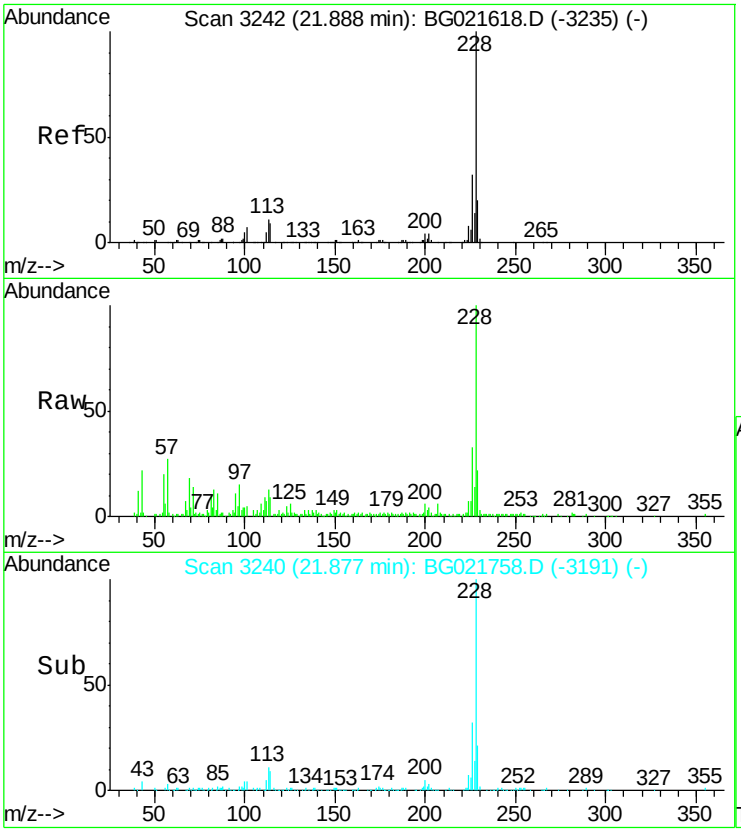




#80
Benzo(a)anthracene
Concen: 6.75 ng
RT: 21.81 min Scan# 3229
Delta R.T. -0.01 min
Lab File: BG021758.D
Acq: 19 Apr 2016 6:55

Tgt Ion:228 Resp: 85603

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.1 | 22.6 | 34.0 |
| 229 | 21.4 | 16.1 | 24.1 |



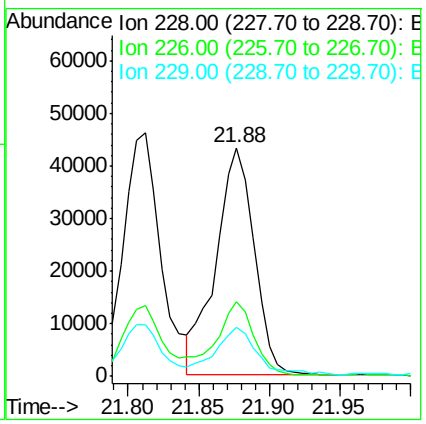


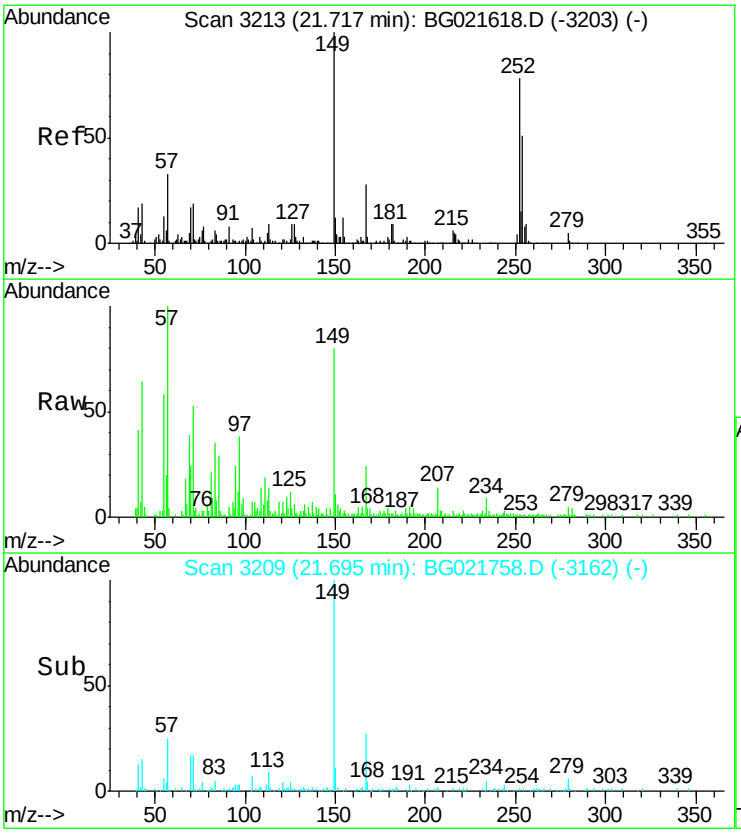

#82
Chrysene
Concen: 6.72 ng
RT: 21.88 min Scan# 3240
Delta R.T. -0.01 min
Lab File: BG021758.D
Acq: 19 Apr 2016 6:55

**Instrument :**
BNA_G
**ClientSampleId :**
POST-EX-22-20160412

Tgt Ion:228 Resp: 81849

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 32.6 | 25.4 | 38.0 |
| 229 | 21.6 | 15.9 | 23.9 |

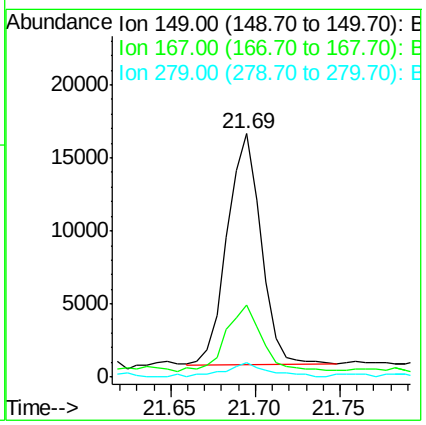


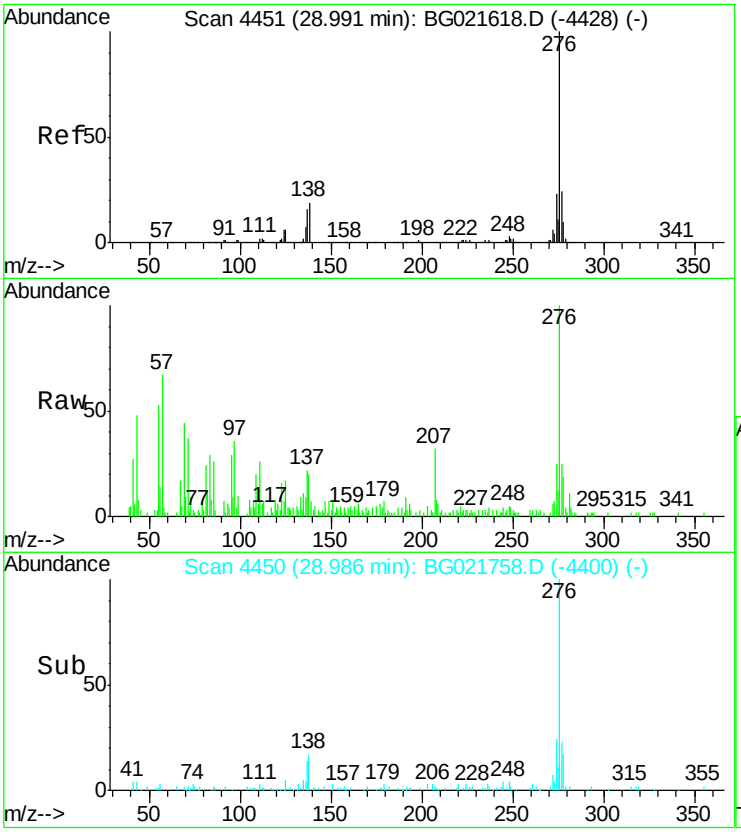




#83
Bis(2-ethylhexyl)phthalate
Concen: 2.55 ng
RT: 21.69 min Scan# 3209
Delta R.T. -0.02 min
Lab File: BG021758.D
Acq: 19 Apr 2016 6:55

Tgt Ion:149 Resp: 21970

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 29.8 | 22.4 | 33.6 |
| 279 | 6.1 | 3.2 | 4.8# |



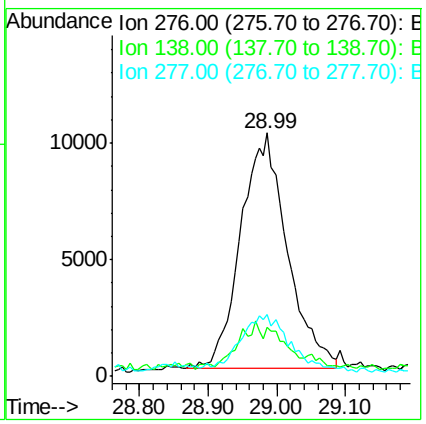


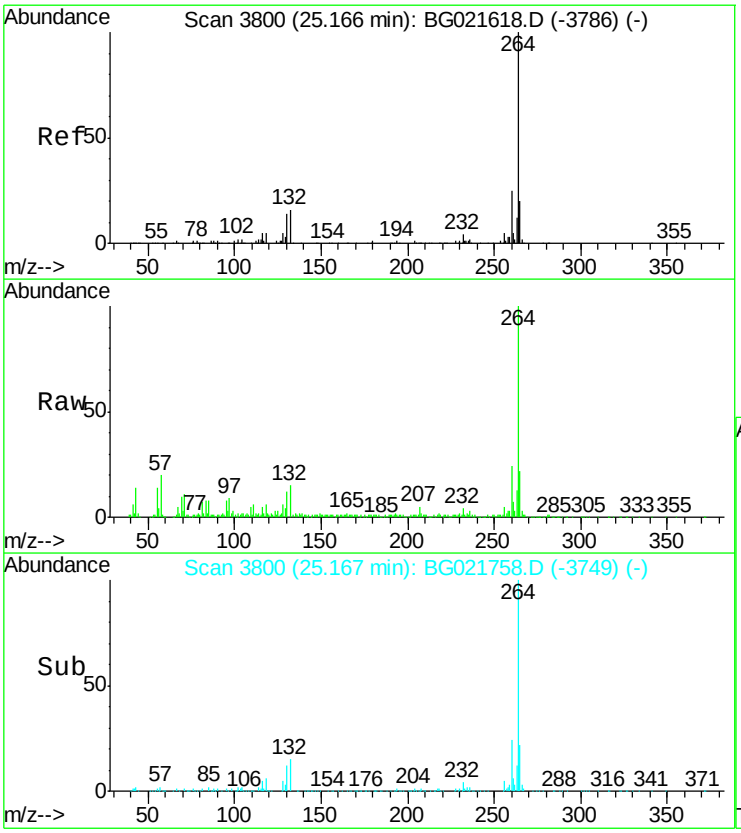

#85
Indeno(1,2,3-cd)pyrene
Concen: 3.29 ng
RT: 28.99 min Scan# 4450
Delta R.T. -0.01 min
Lab File: BG021758.D
Acq: 19 Apr 2016 6:55

**Instrument :**
BNA_G
**ClientSampleId :**
POST-EX-22-20160412

Tgt Ion:276 Resp: 47590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 9.4 | 14.0 | 21.0# |
| 277 | 22.5 | 20.6 | 30.8 |

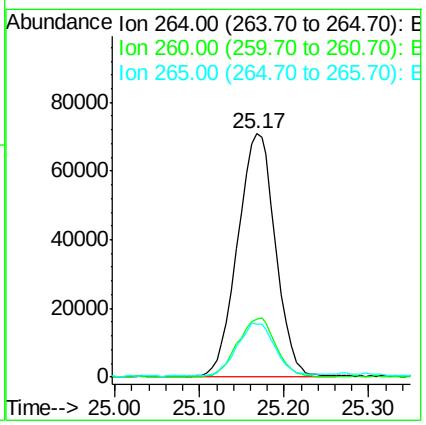


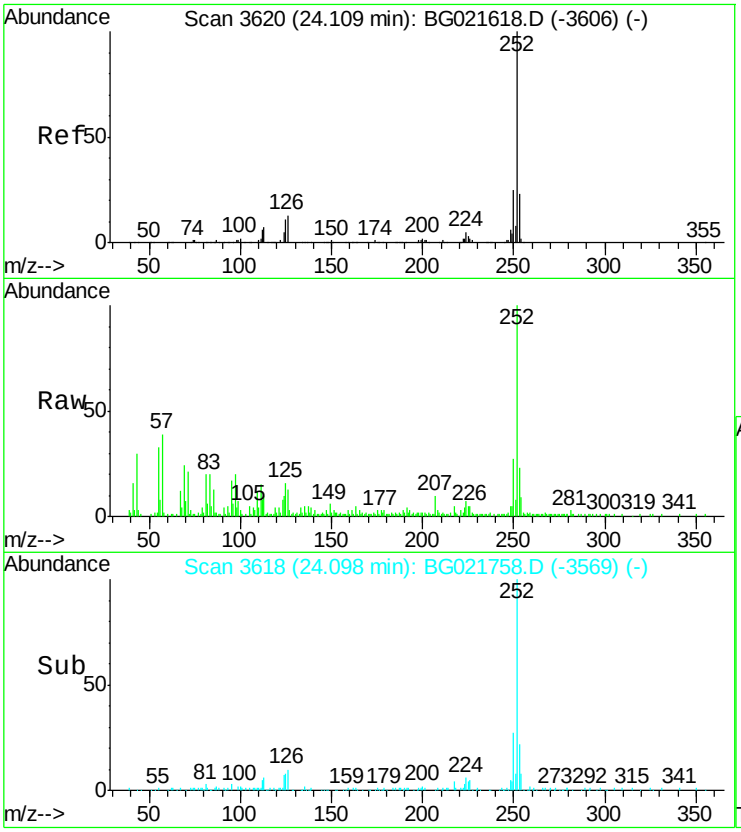




#86
Perylene-d12
Concen: 20.00 ng
RT: 25.17 min Scan# 3800
Delta R.T. 0.00 min
Lab File: BG021758.D
Acq: 19 Apr 2016 6:55

Tgt Ion:264 Resp: 221076

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.9 | 20.2 | 30.4 |
| 265 | 21.9 | 17.8 | 26.8 |



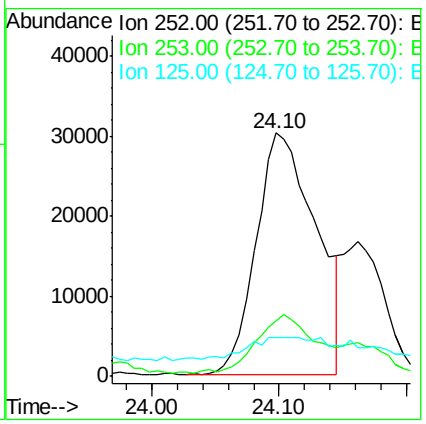


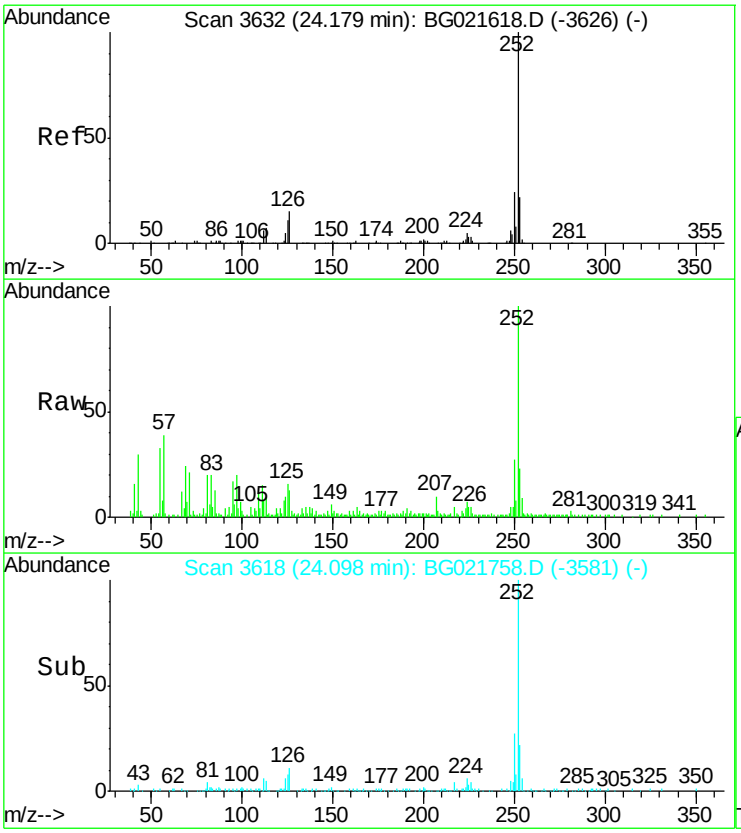

#87
Benzo(b)fluoranthene
Concen: 7.67 ng
RT: 24.10 min Scan# 3618
Delta R.T. -0.01 min
Lab File: BG021758.D
Acq: 19 Apr 2016 6:55

**Instrument :**
BNA_G
**ClientSampleId :**
POST-EX-22-20160412

Tgt Ion:252 Resp: 98441

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.9 | 17.5 | 26.3 |
| 125 | 15.8 | 8.6 | 13.0# |

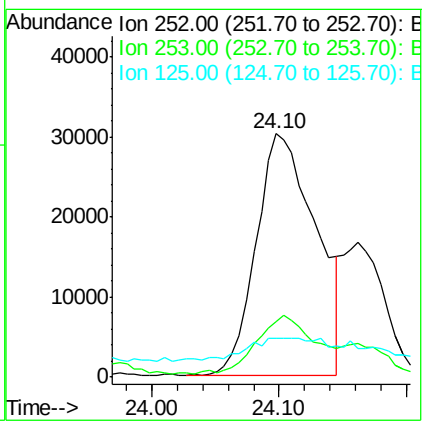


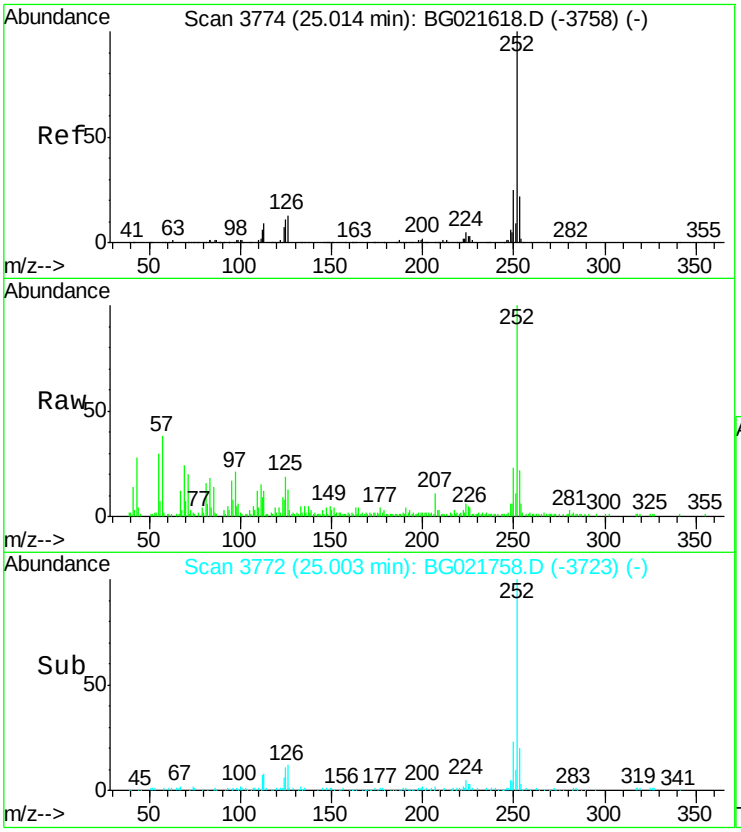




#88
Benzo(k)fluoranthene
Concen: 7.85 ng
RT: 24.10 min Scan# 3618
Delta R.T. -0.08 min
Lab File: BG021758.D
Acq: 19 Apr 2016 6:55

Tgt Ion:252 Resp: 98441

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.9 | 17.8 | 26.8 |
| 125 | 15.8 | 8.3 | 12.5# |



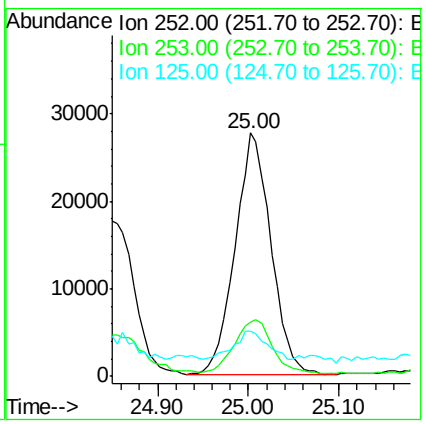


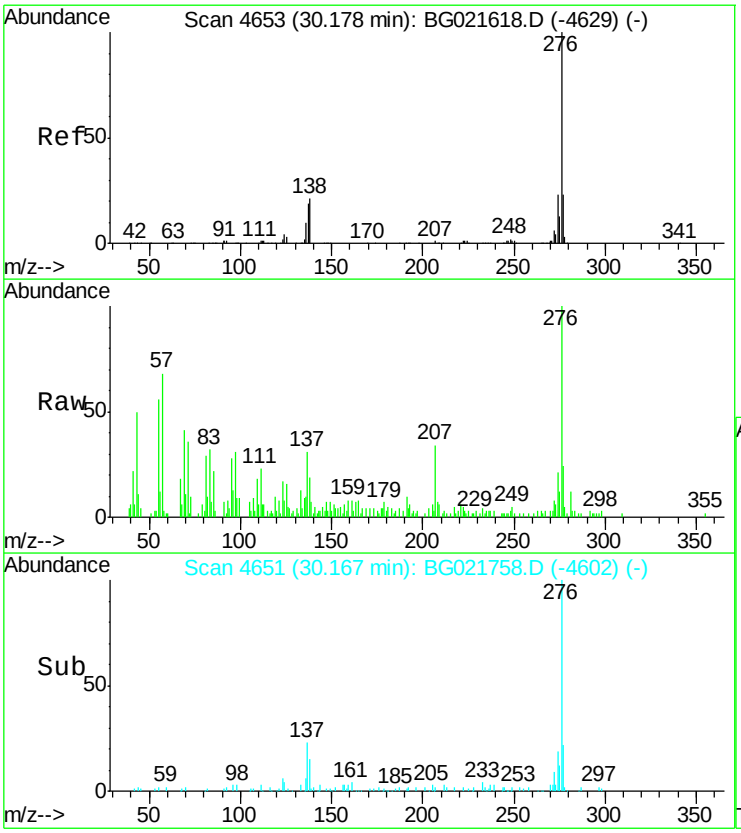

#89
Benzo(a)pyrene
Concen: 6.07 ng
RT: 25.00 min Scan# 3772
Delta R.T. -0.01 min
Lab File: BG021758.D
Acq: 19 Apr 2016 6:55

**Instrument :**
BNA_G
**ClientSampleId :**
POST-EX-22-20160412

Tgt Ion:252 Resp: 75406

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.1 | 25.7 |
| 125 | 18.7 | 9.6 | 14.4# |




#91
Benzo(g,h,i)perylene
Concen: 3.81 ng
RT: 30.17 min Scan# 4651
Delta R.T. -0.01 min
Lab File: BG021758.D
Acq: 19 Apr 2016 6:55

Tgt Ion:276 Resp: 46534

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 24.2 | 19.4 | 29.2 |
| 138 | 18.6 | 17.4 | 26.0 |