Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041416\
Data File : BG021684.D
Acq On : 15 Apr 2016 12:40
Operator : UM/SJ
Sample : H2412-04 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SP-7W(0-2)A

Quant Time: Apr 15 14:41:57 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 | 8.22 | 152 | 43876 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 11.03 | 136 | 195252 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.82 | 164 | 107845 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.56 | 188 | 224273 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.83 | 240 | 251338 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 25.17 | 264 | 245428 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.77 | 112 | 160468 | 60.90 | ng | | 0.00 |
| 7) Phenol-d6 | 7.37 | 99 | 235696 | 59.89 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.39 | 82 | 148431 | 39.07 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.30 | 330 | 68058 | 58.55 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.45 | 172 | 301426 | 40.95 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.14 | 244 | 355148 | 35.26 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 32) Benzoic acid | 10.23 | 122 | 421 | 4.51 | ng | # | 72 |
| 49) Dimethylphthalate | 14.26 | 163 | 57901 | 6.21 | ng | | 99 |
| 70) Phenanthrene | 17.60 | 178 | 79018 | 6.39 | ng | | 98 |
| 74) Fluoranthene | 19.59 | 202 | 133918 | 9.07 | ng | | 99 |
| 77) Pyrene | 19.96 | 202 | 141787 | 9.78 | ng | | 99 |
| 80) Benzo(a)anthracene | 21.81 | 228 | 74730 | 5.17 | ng | # | 94 |
| 82) Chrysene | 21.88 | 228 | 72138 | 5.19 | ng | # | 96 |
| 87) Benzo(b)fluoranthene | 24.10 | 252 | 94327 | 6.62 | ng | # | 93 |
| 88) Benzo(k)fluoranthene | 24.10 | 252 | 94327 | 6.77 | ng | # | 93 |
| 89) Benzo(a)pyrene | 25.01 | 252 | 72922 | 5.29 | ng | # | 90 |
| 91) Benzo(g,h,i)perylene | 30.17 | 276 | 31717 | 2.34 | ng | # | 89 |

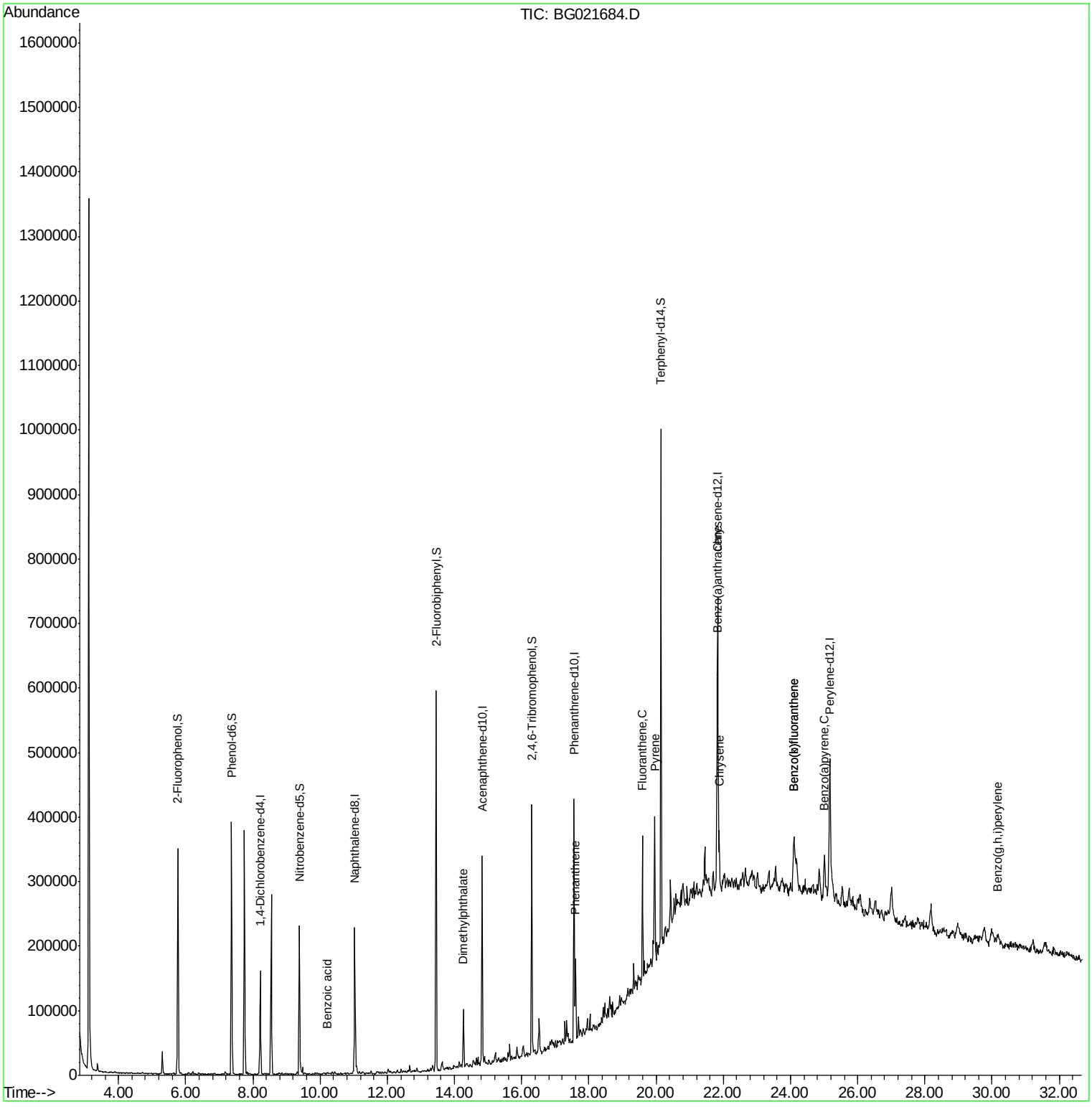
(#) = qualifier out of range (m) = manual integration (+) = signals summed

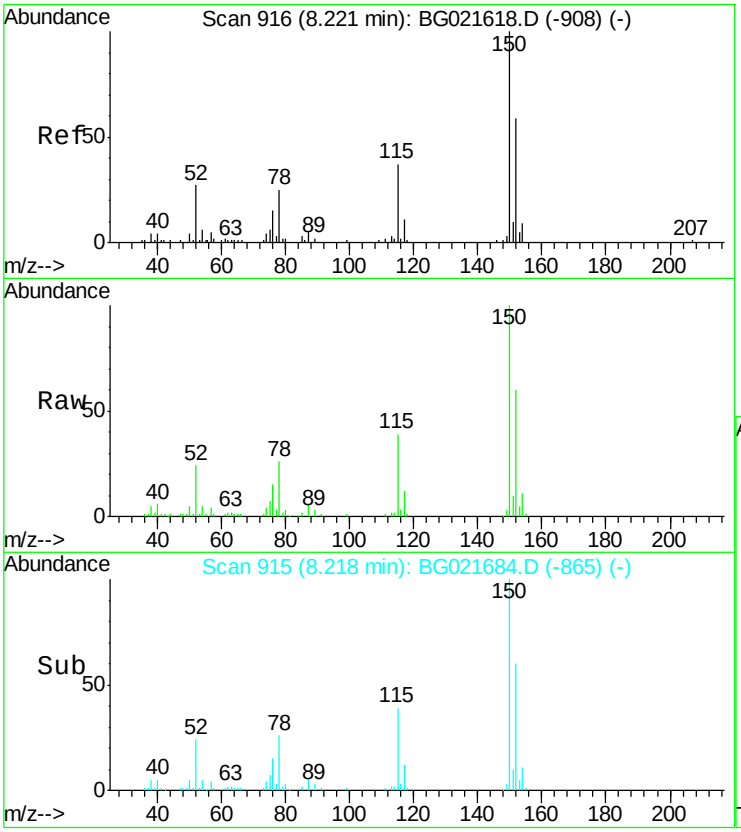
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041416\
Data File : BG021684.D
Acq On : 15 Apr 2016 12:40
Operator : UM/SJ
Sample : H2412-04 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
SP-7W(0-2)A

Quant Time: Apr 15 14:41:57 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



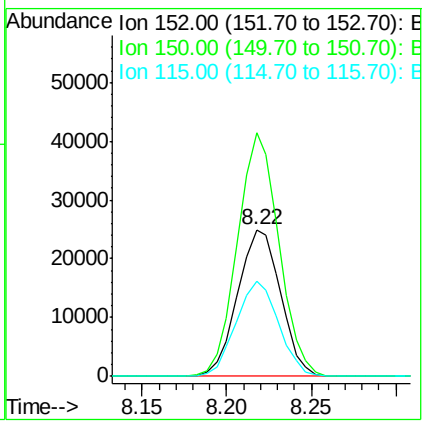


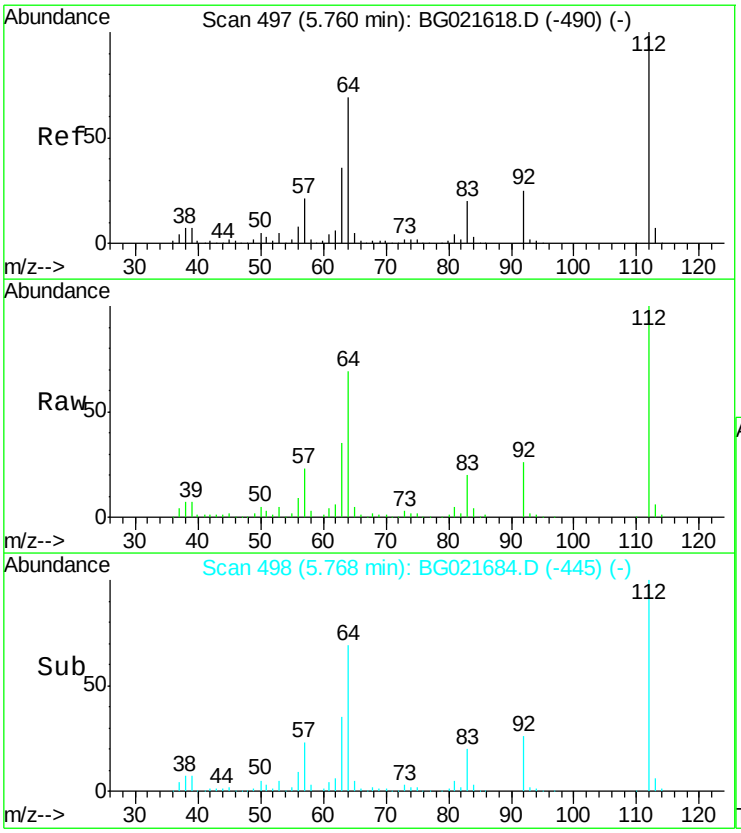

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.22 min Scan# 915
Delta R.T. -0.00 min
Lab File: BG021684.D
Acq: 15 Apr 2016 12:40

**Instrument :**
BNA_G
**ClientSampleId :**
SP-7W(0-2)A

Tgt Ion:152 Resp: 43876

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 166.4 | 130.1 | 195.1 |
| 115 | 65.4 | 62.2 | 93.2 |

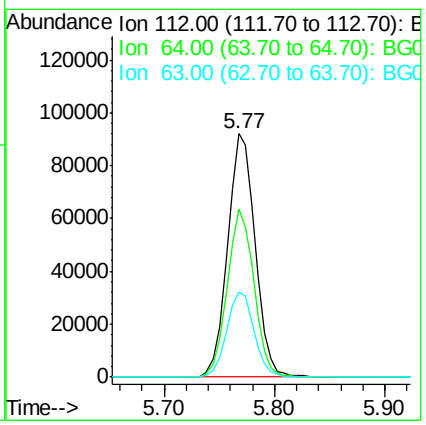


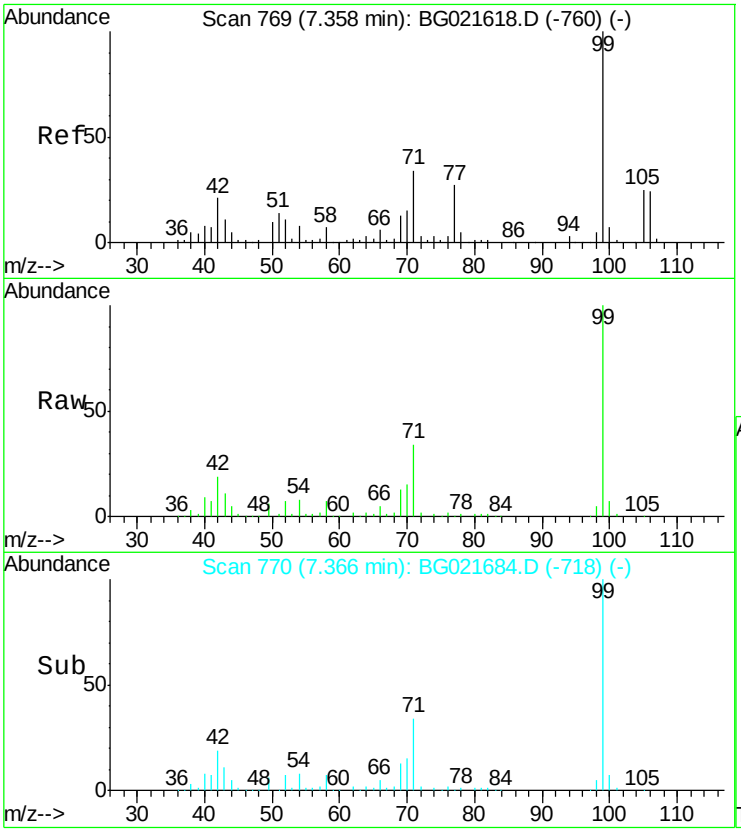




#5
2-Fluorophenol
Concen: 60.90 ng
RT: 5.77 min Scan# 498
Delta R.T. 0.01 min
Lab File: BG021684.D
Acq: 15 Apr 2016 12:40

Tgt Ion:112 Resp: 160468

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 69.1 | 51.1 | 76.7 |
| 63 | 34.7 | 24.6 | 37.0 |



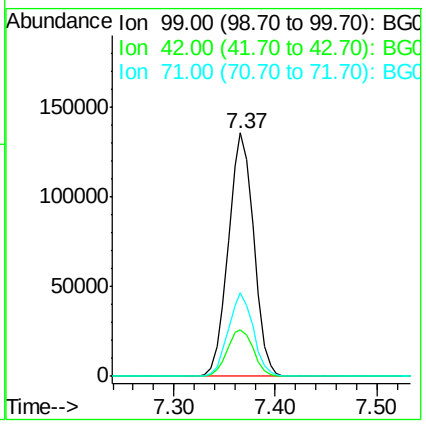


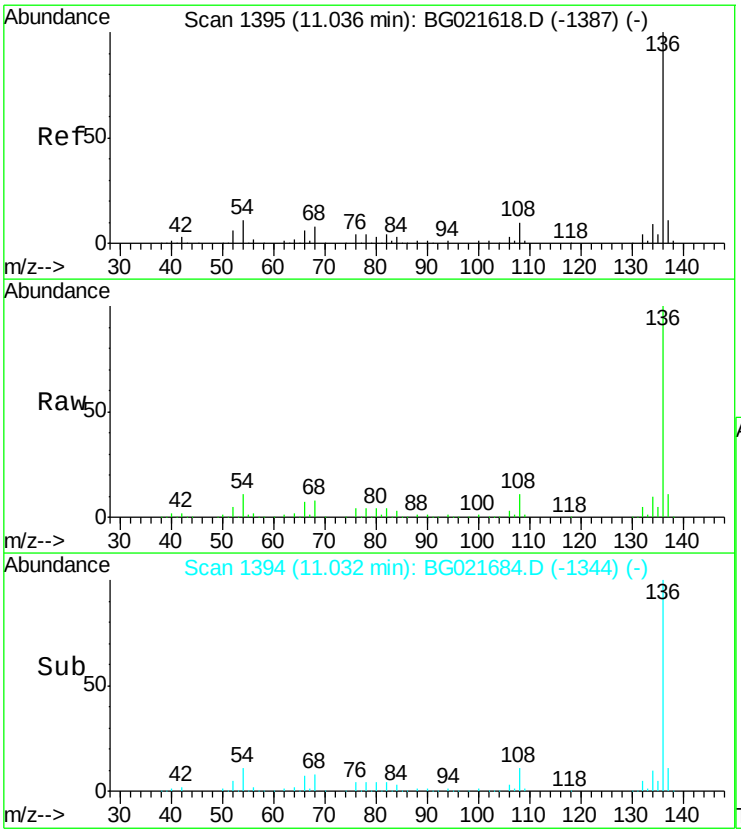

#7
Phenol-d6
Concen: 59.89 ng
RT: 7.37 min Scan# 770
Delta R.T. 0.01 min
Lab File: BG021684.D
Acq: 15 Apr 2016 12:40

**Instrument :**
BNA_G
**ClientSampleId :**
SP-7W(0-2)A

Tgt Ion: 99 Resp: 235696

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 19.1 | 16.4 | 24.6 |
| 71 | 34.3 | 25.0 | 37.4 |

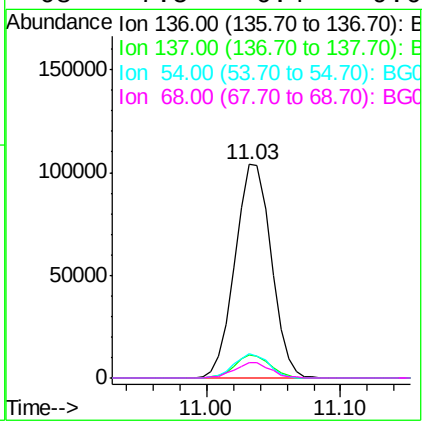


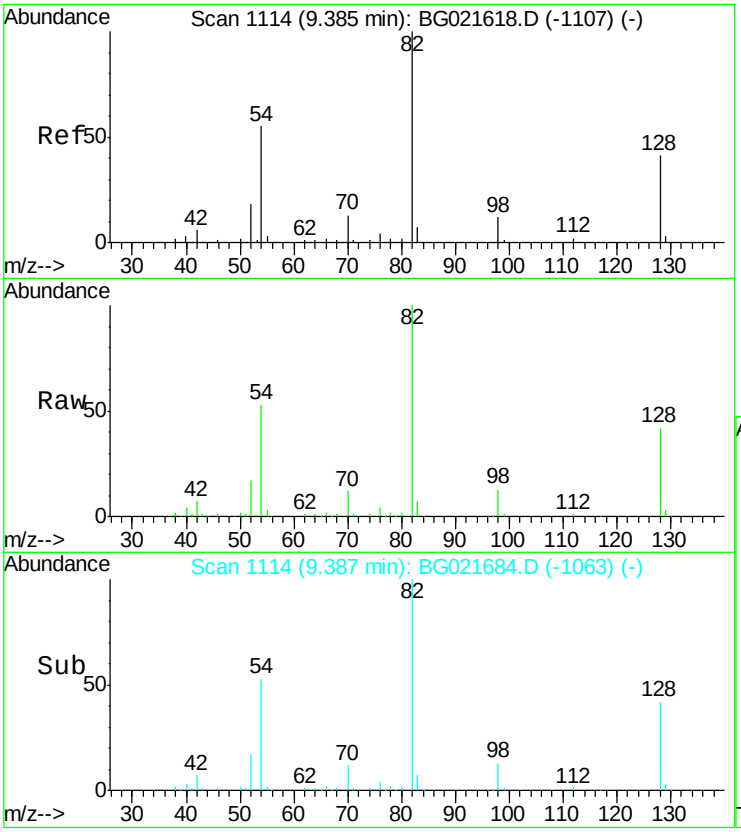




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.03 min Scan# 1394
Delta R.T. -0.00 min
Lab File: BG021684.D
Acq: 15 Apr 2016 12:40

Tgt Ion:136 Resp: 195252

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.1 | 9.0 | 13.4 |
| 54 | 11.1 | 9.6 | 14.4 |
| 68 | 7.5 | 6.4 | 9.6 |



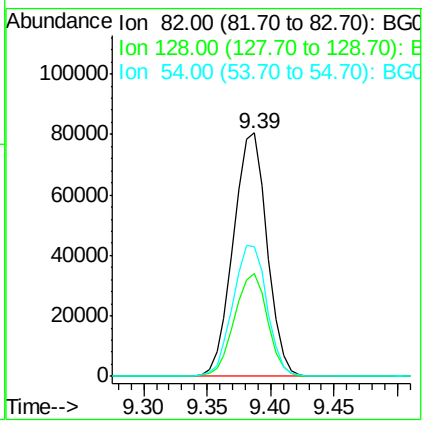


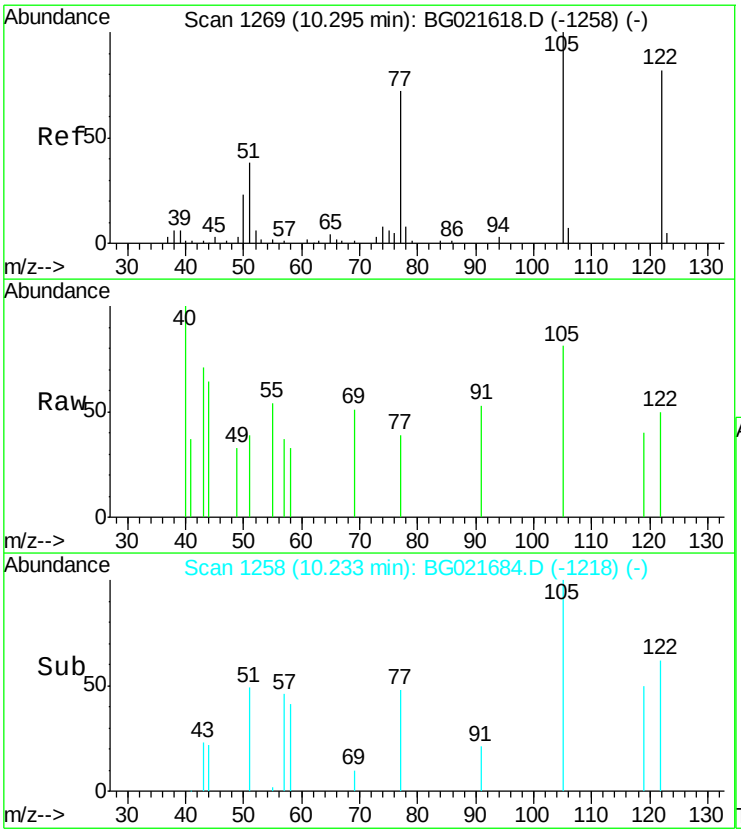

#23
Nitrobenzene-d5
Concen: 39.07 ng
RT: 9.39 min Scan# 1114
Delta R.T. 0.00 min
Lab File: BG021684.D
Acq: 15 Apr 2016 12:40

**Instrument :**
BNA_G
**ClientSampleId :**
SP-7W(0-2)A

Tgt Ion: 82 Resp: 148431

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 42.2 | 33.4 | 50.0 |
| 54 | 53.3 | 46.1 | 69.1 |

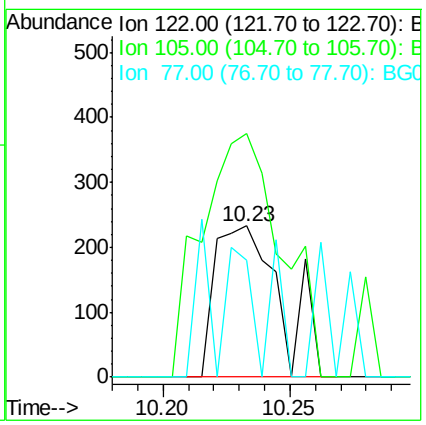


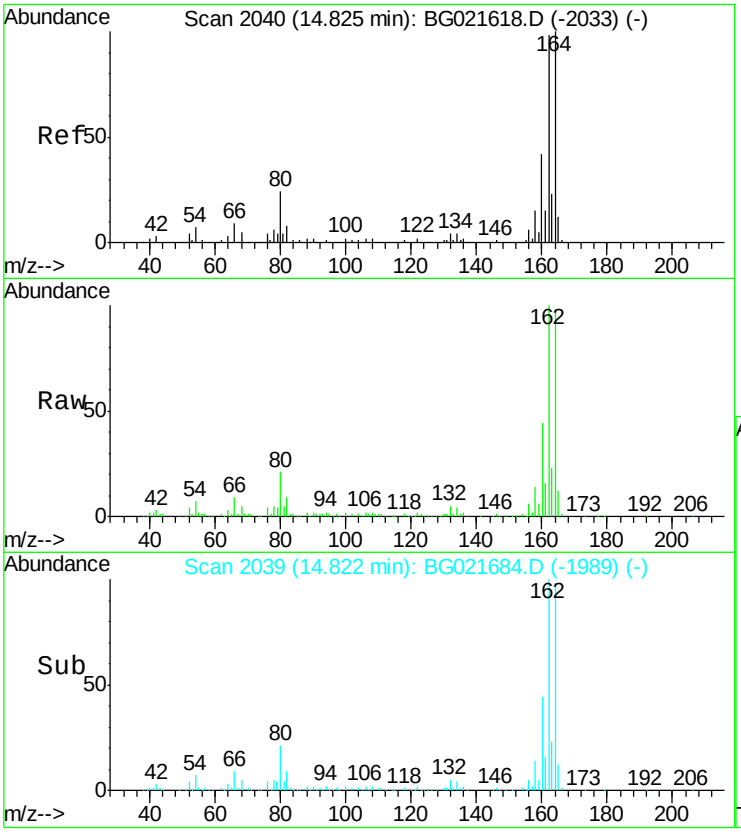




#32
Benzoic acid
Concen: 4.51 ng
RT: 10.23 min Scan# 1258
Delta R.T. -0.06 min
Lab File: BG021684.D
Acq: 15 Apr 2016 12:40

Tgt Ion:122 Resp: 421

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 160.9 | 104.5 | 144.5# |
| 77 | 77.3 | 79.9 | 119.9# |



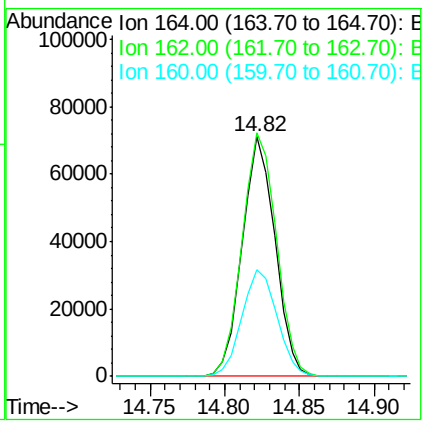


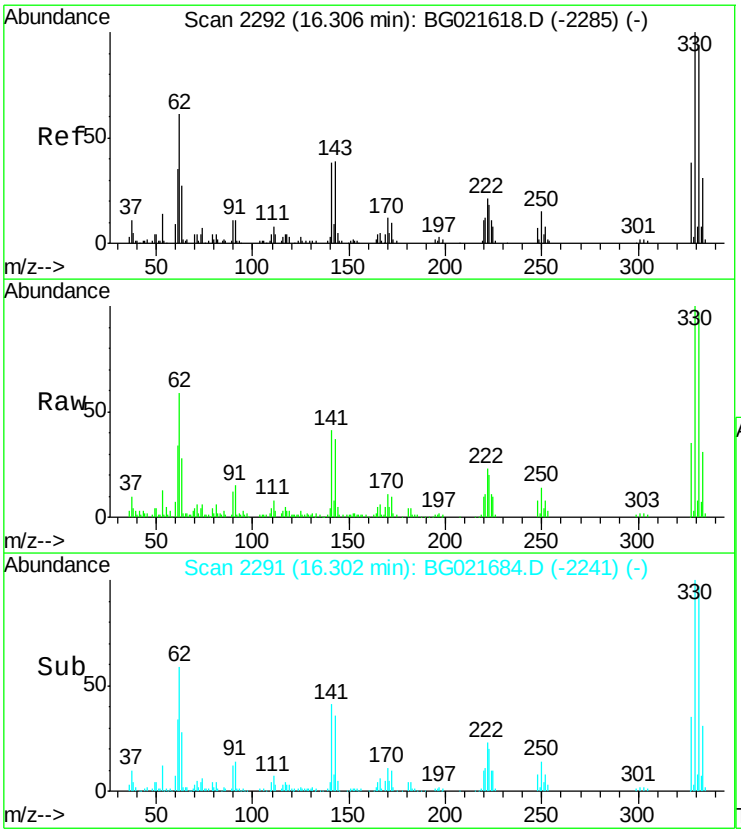

#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.82 min Scan# 2039
Delta R.T. -0.00 min
Lab File: BG021684.D
Acq: 15 Apr 2016 12:40

**Instrument :**
BNA_G
**ClientSampleId :**
SP-7W(0-2)A

Tgt Ion:164 Resp: 107845

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.7 | 78.0 | 117.0 |
| 160 | 44.8 | 32.9 | 49.3 |

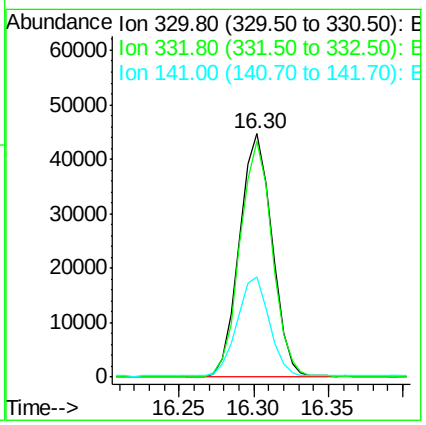


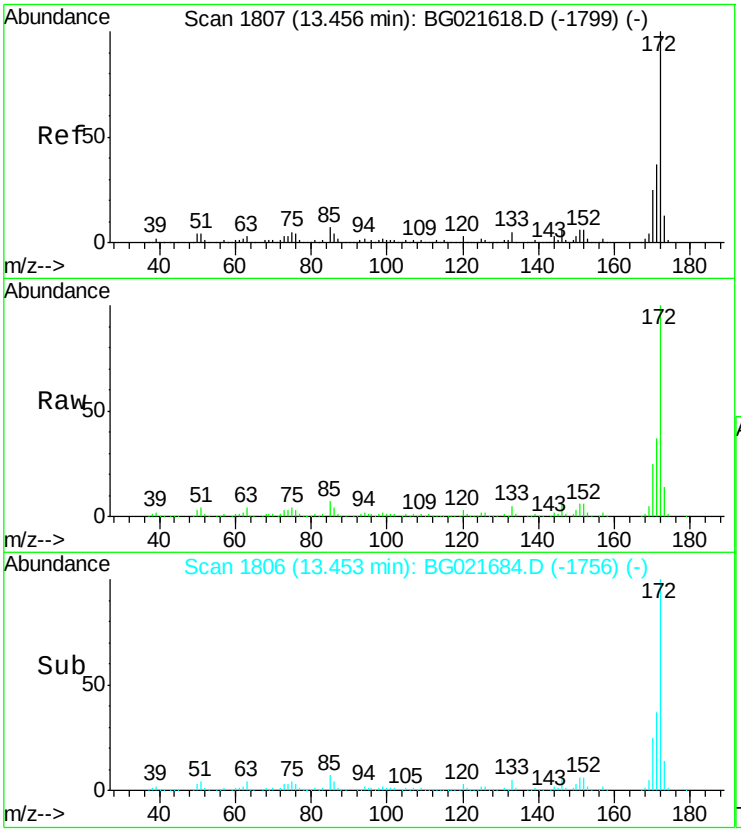




#41
2,4,6-Tribromophenol
Concen: 58.55 ng
RT: 16.30 min Scan# 2291
Delta R.T. -0.00 min
Lab File: BG021684.D
Acq: 15 Apr 2016 12:40

Tgt Ion:330 Resp: 68058

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.9 | 78.0 | 117.0 |
| 141 | 39.6 | 33.8 | 50.8 |



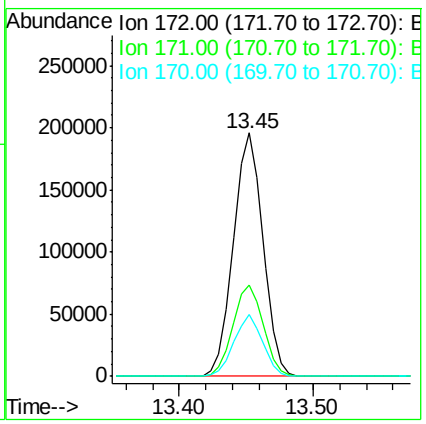


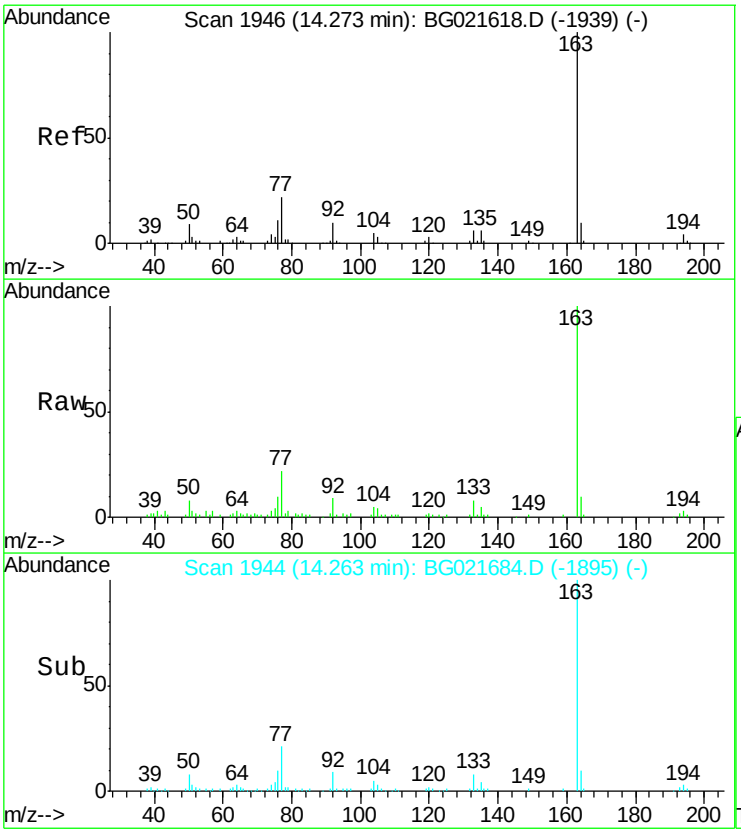

#44
2-Fluorobiphenyl
Concen: 40.95 ng
RT: 13.45 min Scan# 1806
Delta R.T. -0.00 min
Lab File: BG021684.D
Acq: 15 Apr 2016 12:40

**Instrument :**
BNA_G
**ClientSampleId :**
SP-7W(0-2)A

Tgt Ion:172 Resp: 301426

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 37.5 | 27.8 | 41.6 |
| 170 | 25.2 | 19.6 | 29.4 |

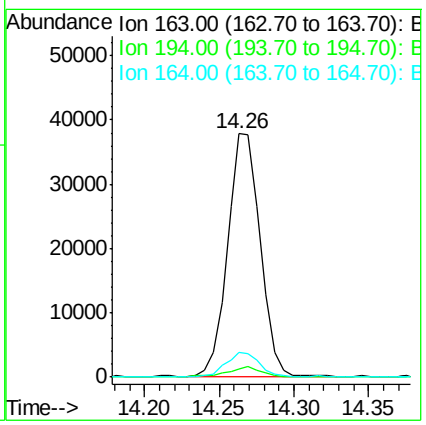


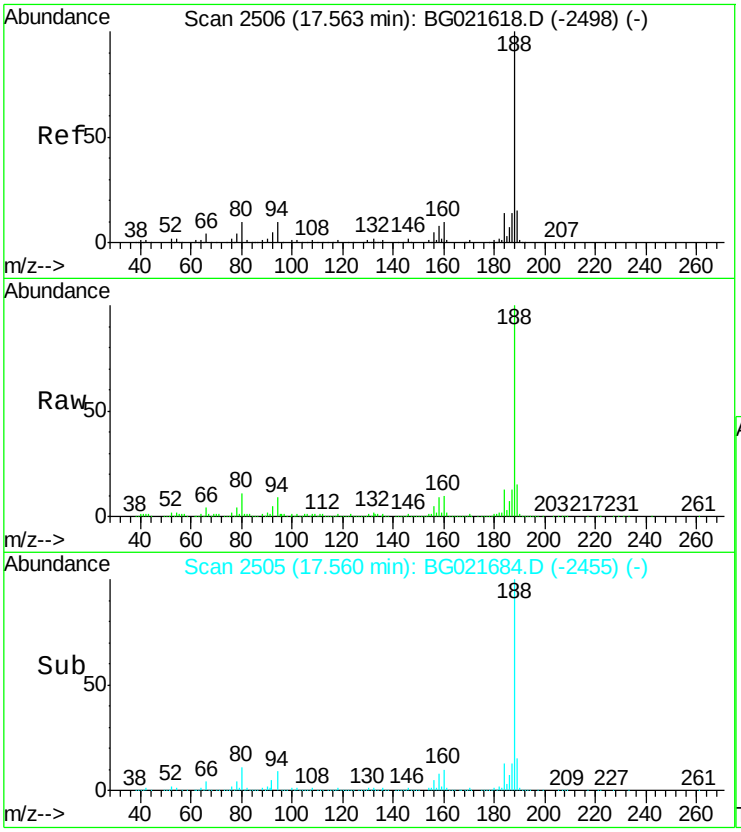




#49
Dimethylphthalate
Concen: 6.21 ng
RT: 14.26 min Scan# 1944
Delta R.T. -0.01 min
Lab File: BG021684.D
Acq: 15 Apr 2016 12:40

Tgt Ion:163 Resp: 57901

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.5 | 3.0 | 4.6 |
| 164 | 9.9 | 8.1 | 12.1 |



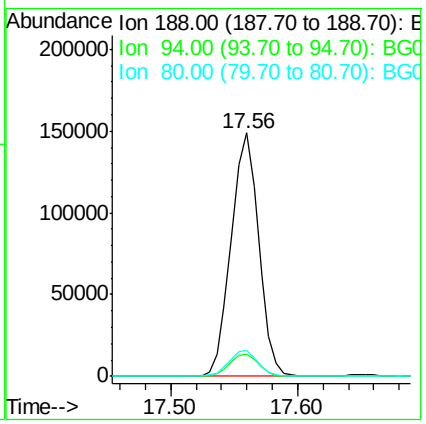


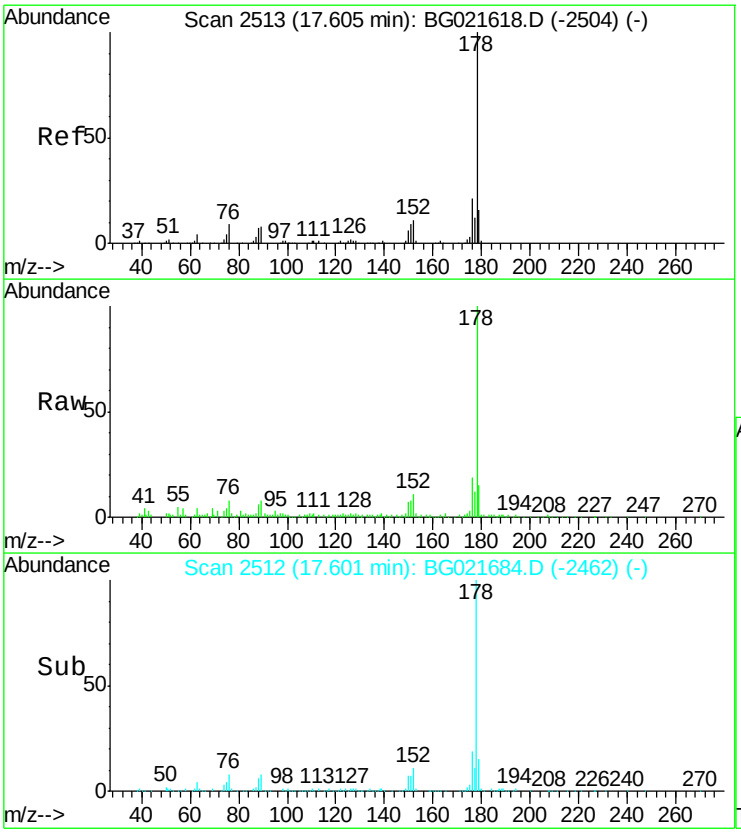

#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.56 min Scan# 2505
Delta R.T. -0.00 min
Lab File: BG021684.D
Acq: 15 Apr 2016 12:40

**Instrument :**
BNA_G
**ClientSampleId :**
SP-7W(0-2)A

Tgt Ion:188 Resp: 224273

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.0 | 7.5 | 11.3 |
| 80 | 10.7 | 8.6 | 13.0 |

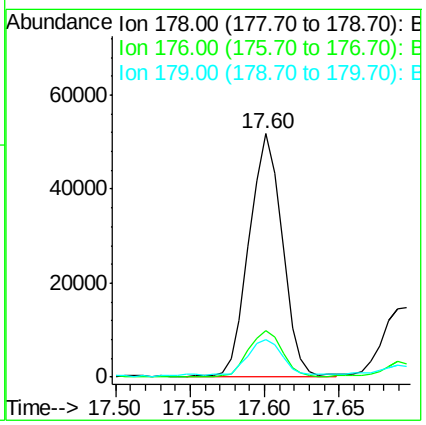


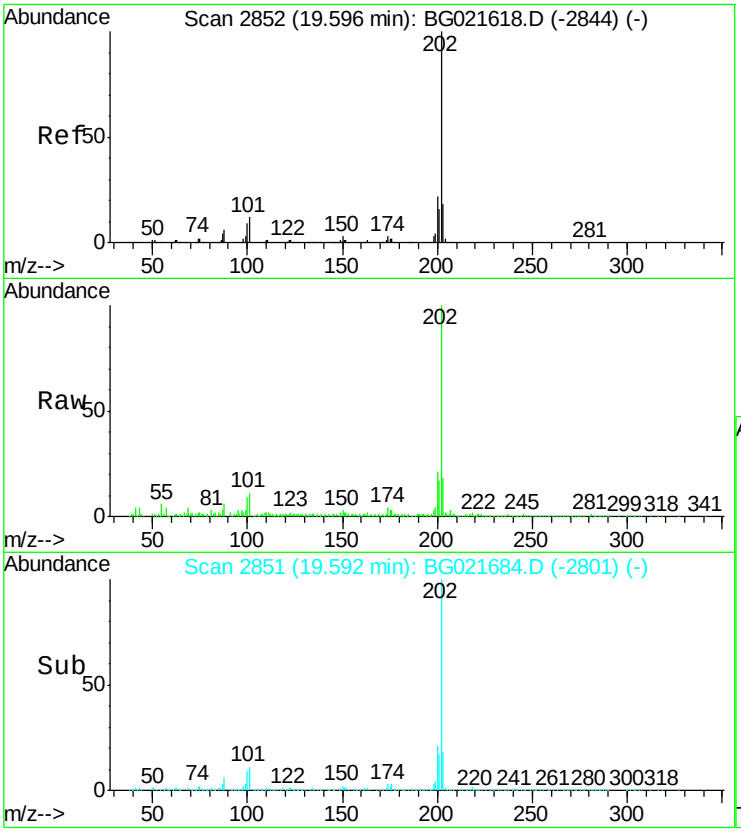




#70
Phenanthrene
Concen: 6.39 ng
RT: 17.60 min Scan# 2512
Delta R.T. -0.00 min
Lab File: BG021684.D
Acq: 15 Apr 2016 12:40

Tgt Ion:178 Resp: 79018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.9 | 16.2 | 24.4 |
| 179 | 15.3 | 12.0 | 18.0 |



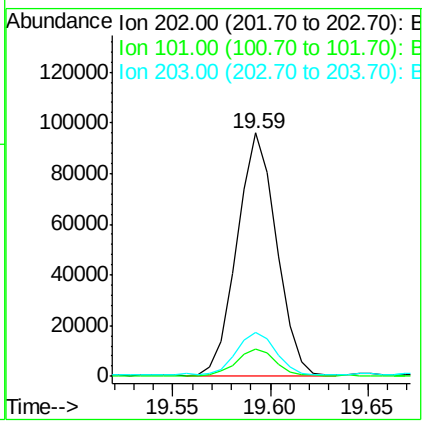


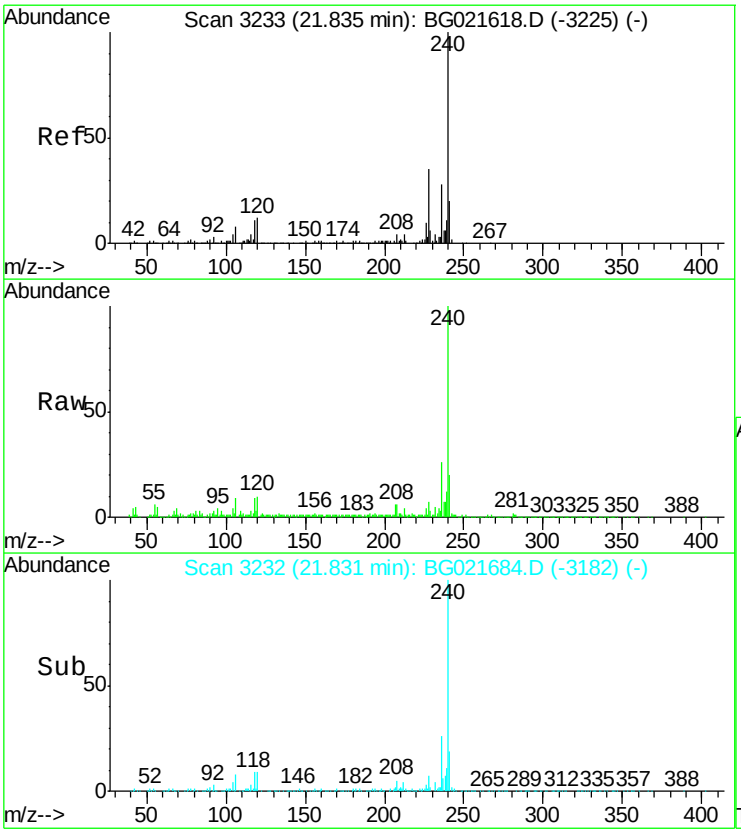

#74
Fluoranthene
Concen: 9.07 ng
RT: 19.59 min Scan# 2851
Delta R.T. -0.00 min
Lab File: BG021684.D
Acq: 15 Apr 2016 12:40

**Instrument :**
BNA_G
**ClientSampleId :**
SP-7W(0-2)A

Tgt Ion:202 Resp: 133918

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.1 | 0.0 | 31.0 |
| 203 | 18.2 | 0.0 | 37.9 |

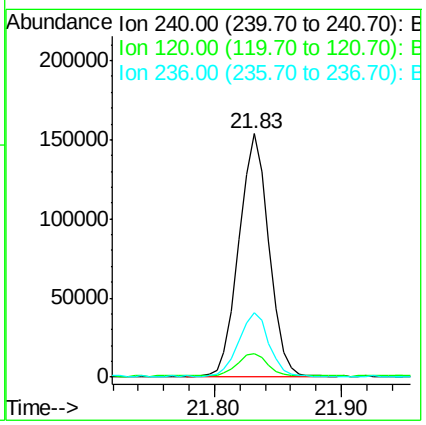


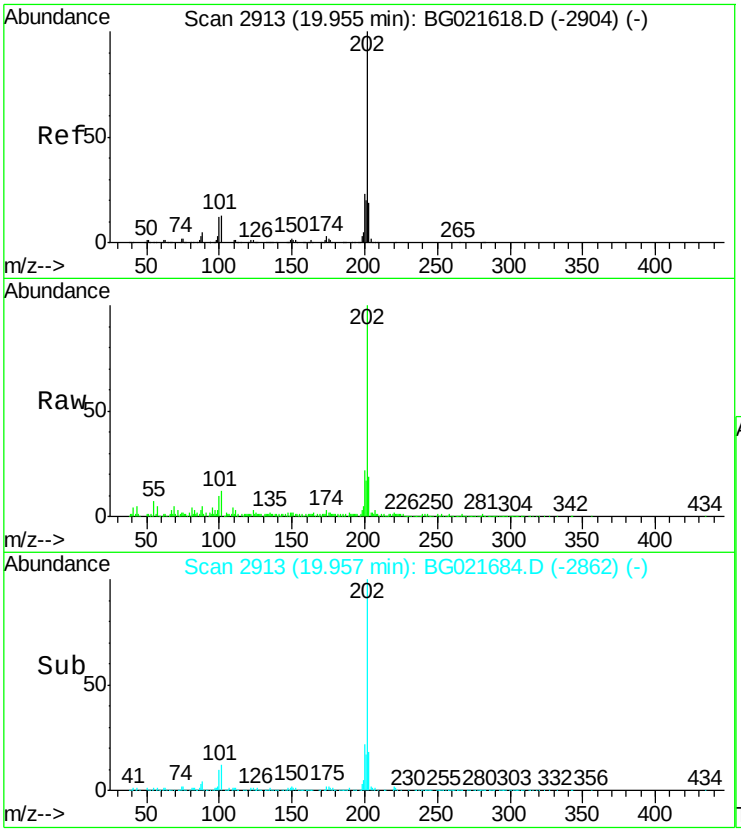




#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.83 min Scan# 3232
Delta R.T. -0.00 min
Lab File: BG021684.D
Acq: 15 Apr 2016 12:40

Tgt Ion:240 Resp: 251338

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.8 | 8.4 | 12.6 |
| 236 | 26.2 | 19.6 | 29.4 |



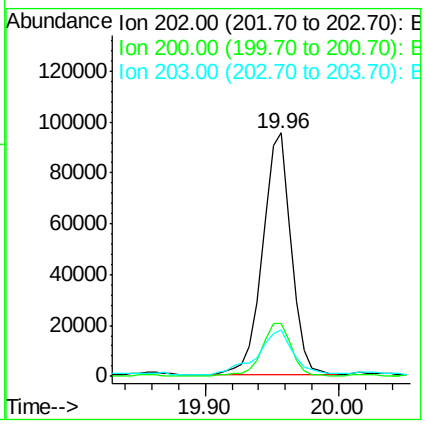


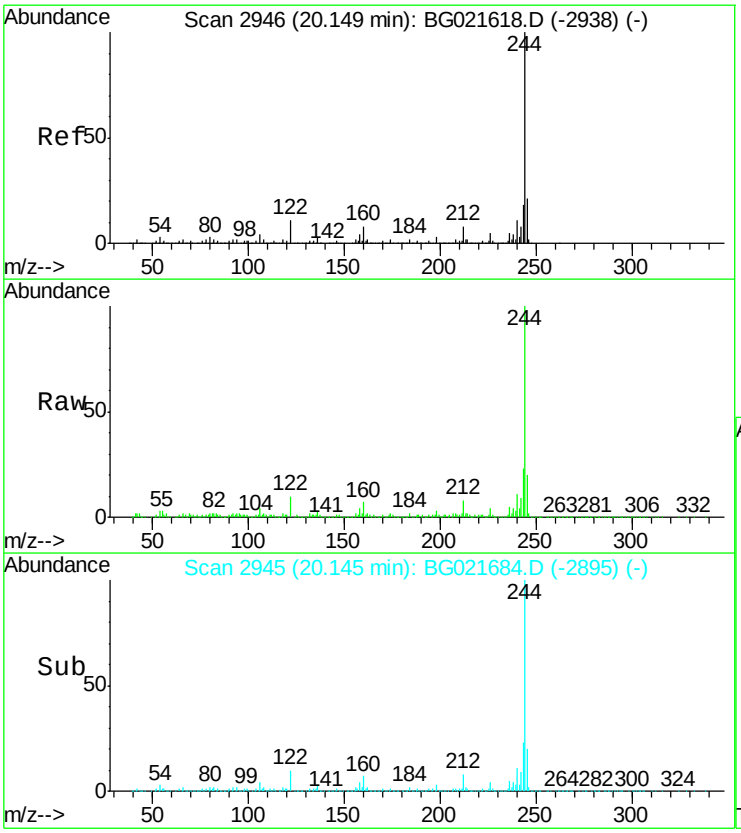

#77
Pyrene
Concen: 9.78 ng
RT: 19.96 min Scan# 2913
Delta R.T. 0.00 min
Lab File: BG021684.D
Acq: 15 Apr 2016 12:40

**Instrument :**
BNA_G
**ClientSampleId :**
SP-7W(0-2)A

Tgt Ion:202 Resp: 141787

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.9 | 18.2 | 27.2 |
| 203 | 19.2 | 15.0 | 22.4 |

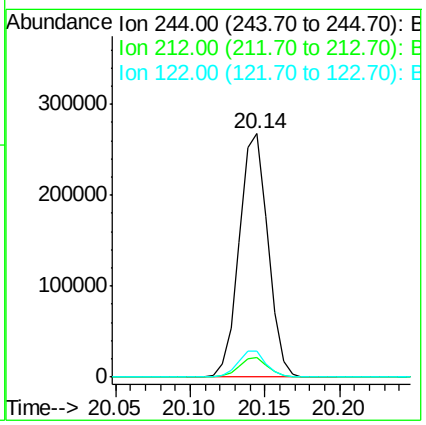


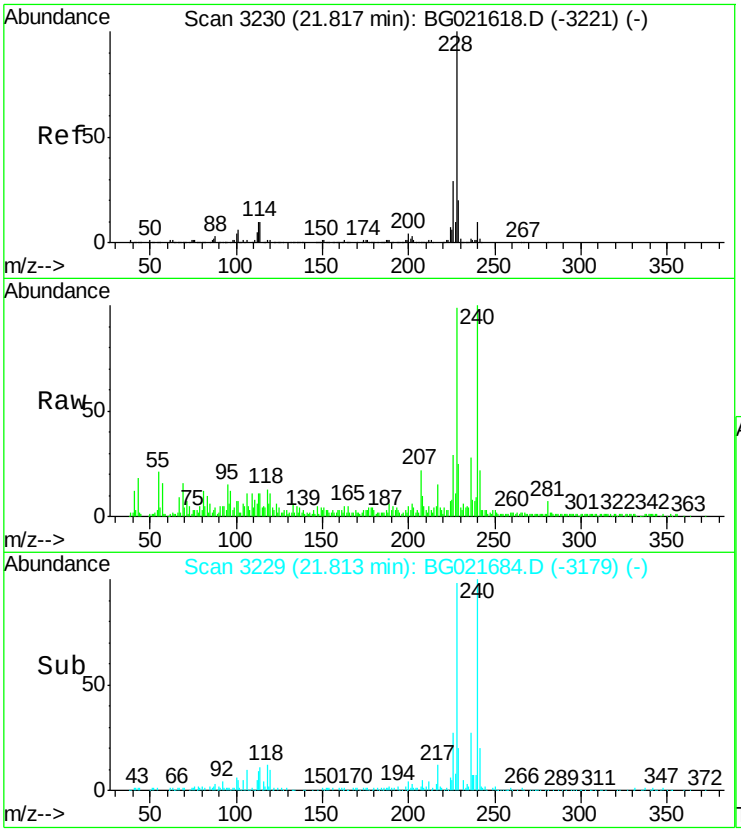




#78
Terphenyl-d14
Concen: 35.26 ng
RT: 20.14 min Scan# 2945
Delta R.T. -0.00 min
Lab File: BG021684.D
Acq: 15 Apr 2016 12:40

Tgt Ion:244 Resp: 355148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.1 | 6.5 | 9.7 |
| 122 | 10.5 | 8.6 | 12.8 |



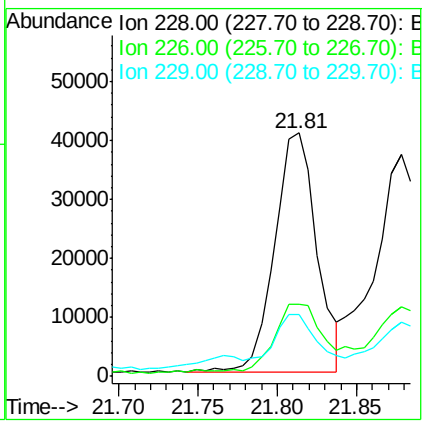


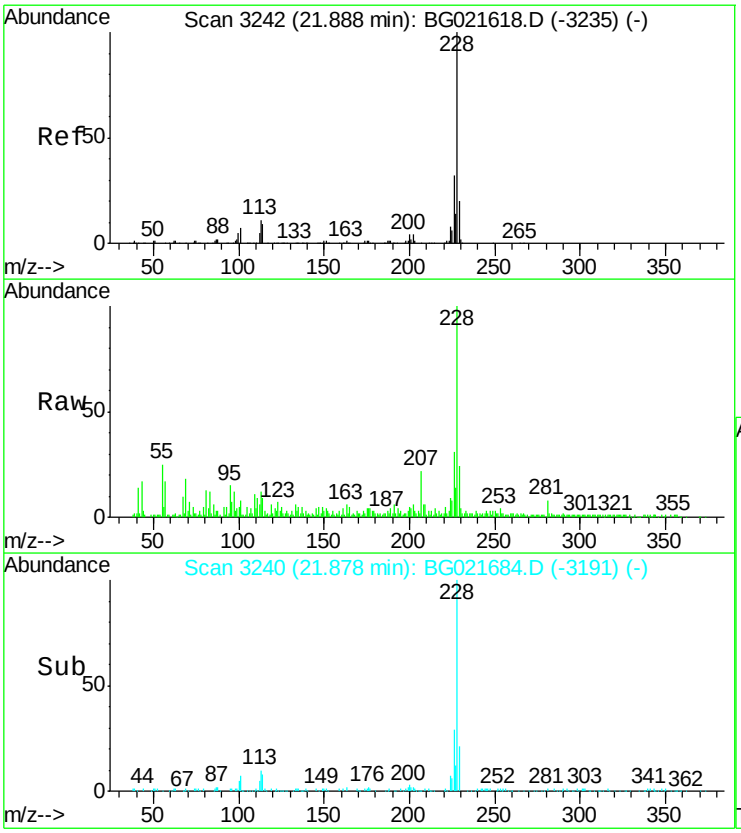

#80
Benzo(a)anthracene
Concen: 5.17 ng
RT: 21.81 min Scan# 3229
Delta R.T. -0.00 min
Lab File: BG021684.D
Acq: 15 Apr 2016 12:40

**Instrument :**
BNA_G
**ClientSampleId :**
SP-7W(0-2)A

Tgt Ion:228 Resp: 74730

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.5 | 22.6 | 34.0 |
| 229 | 25.5 | 16.1 | 24.1# |

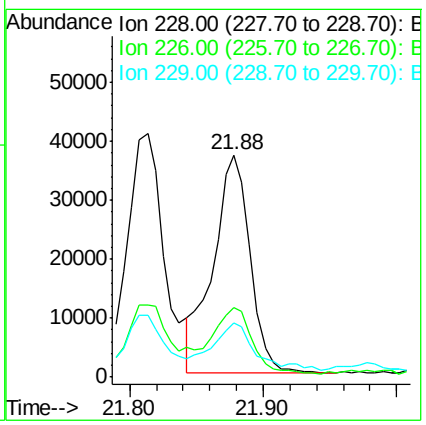


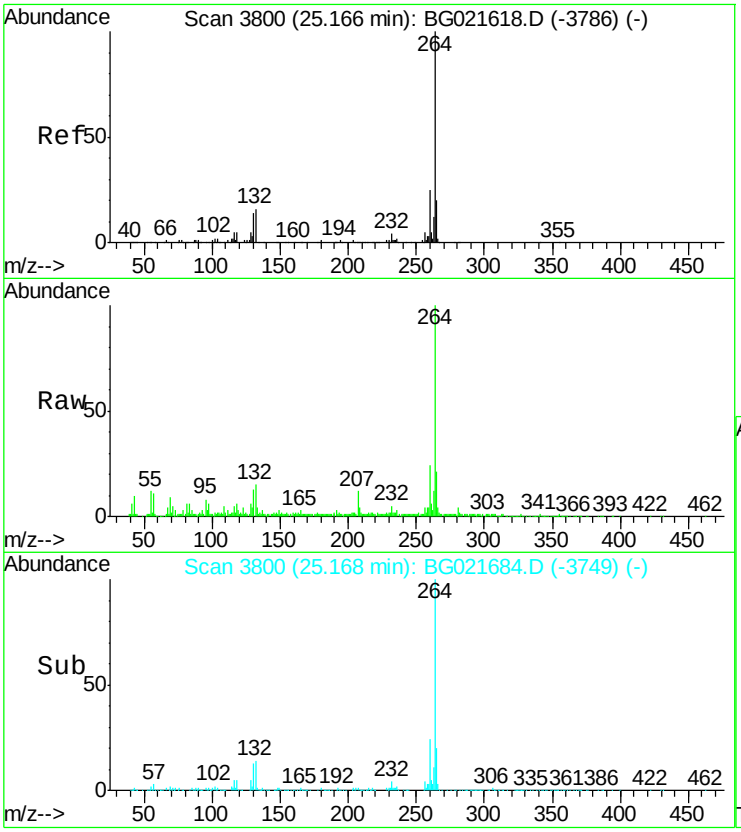




#82
Chrysene
Concen: 5.19 ng
RT: 21.88 min Scan# 3240
Delta R.T. -0.01 min
Lab File: BG021684.D
Acq: 15 Apr 2016 12:40

Tgt Ion:228 Resp: 72138

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.1 | 25.4 | 38.0 |
| 229 | 24.3 | 15.9 | 23.9# |



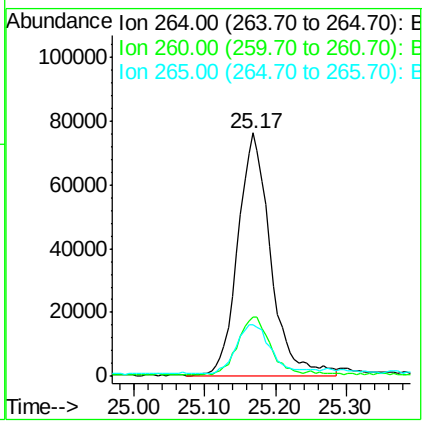


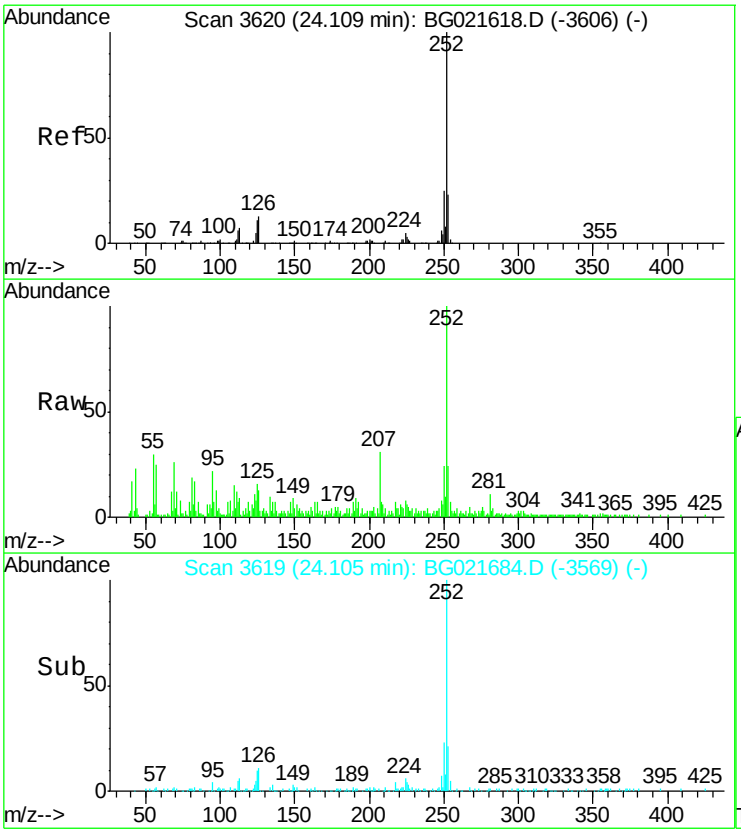

#86
Perylene-d12
Concen: 20.00 ng
RT: 25.17 min Scan# 3800
Delta R.T. 0.00 min
Lab File: BG021684.D
Acq: 15 Apr 2016 12:40

**Instrument :**
BNA_G
**ClientSampleId :**
SP-7W(0-2)A

Tgt Ion:264 Resp: 245428

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.5 | 20.2 | 30.4 |
| 265 | 21.3 | 17.8 | 26.8 |

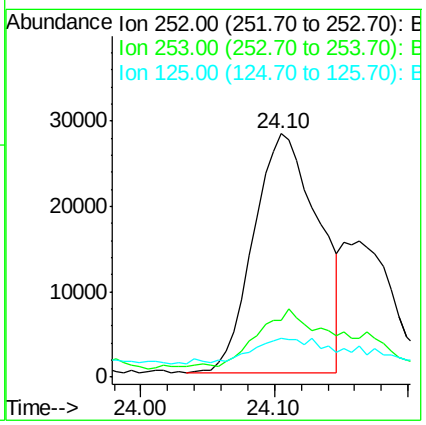


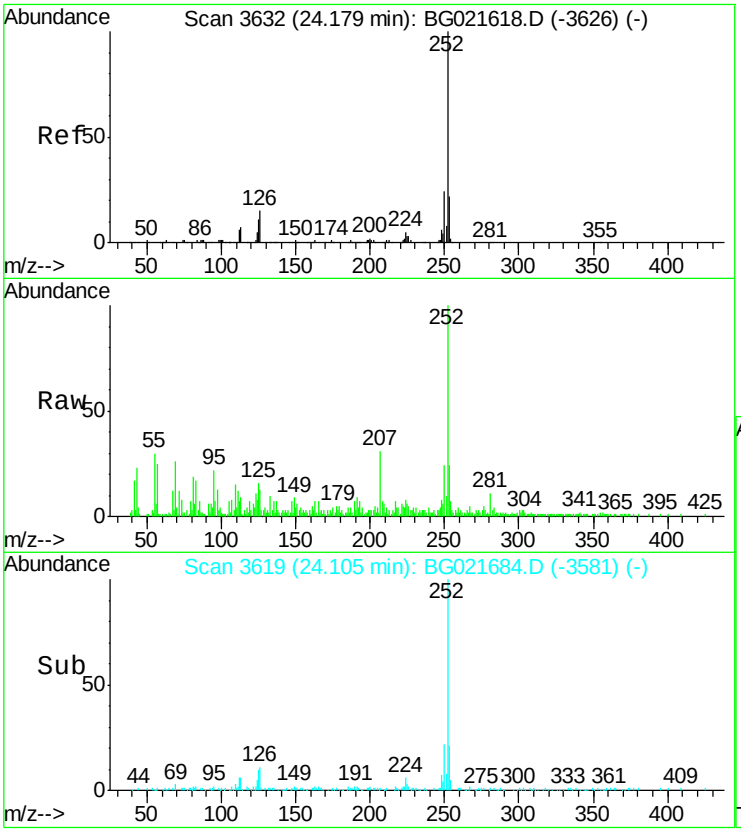




#87
Benzo(b)fluoranthene
Concen: 6.62 ng
RT: 24.10 min Scan# 3619
Delta R.T. -0.00 min
Lab File: BG021684.D
Acq: 15 Apr 2016 12:40

Tgt Ion:252 Resp: 94327

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.5 | 17.5 | 26.3 |
| 125 | 16.0 | 8.6 | 13.0# |



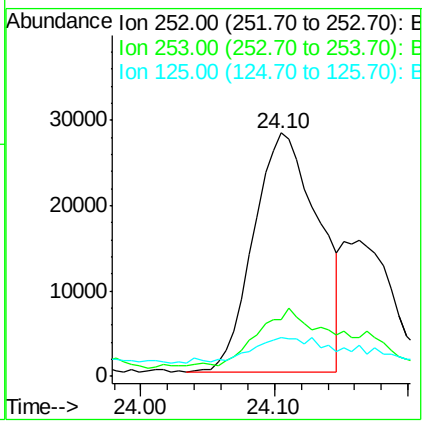


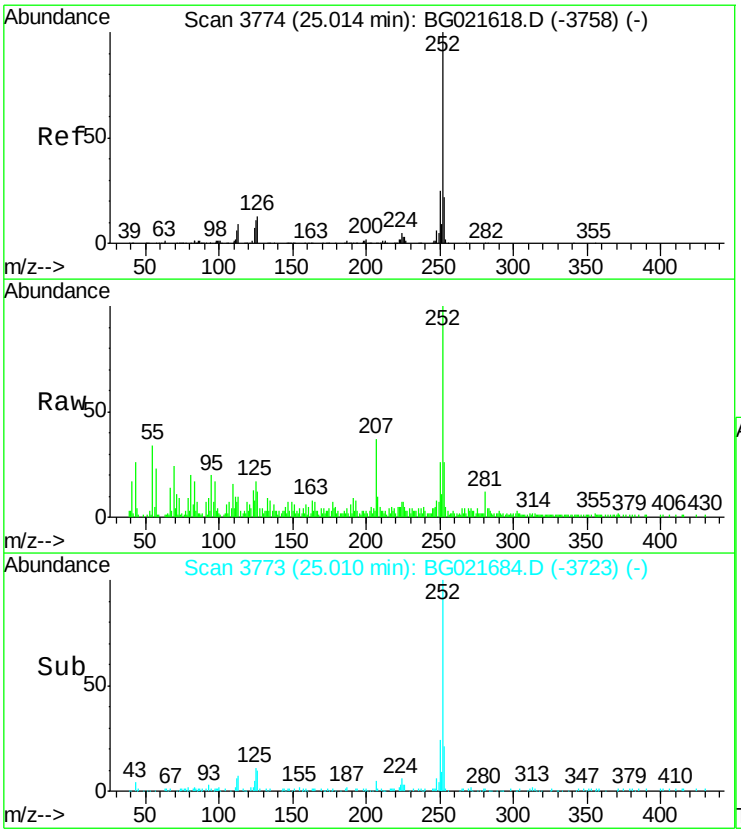

#88
Benzo(k)fluoranthene
Concen: 6.77 ng
RT: 24.10 min Scan# 3619
Delta R.T. -0.07 min
Lab File: BG021684.D
Acq: 15 Apr 2016 12:40

**Instrument :**
BNA_G
**ClientSampleId :**
SP-7W(0-2)A

Tgt Ion:252 Resp: 94327

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.5 | 17.8 | 26.8 |
| 125 | 16.0 | 8.3 | 12.5# |

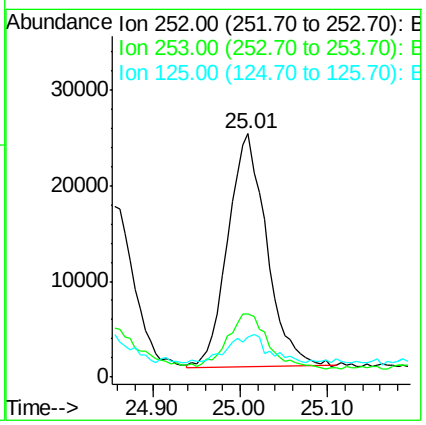


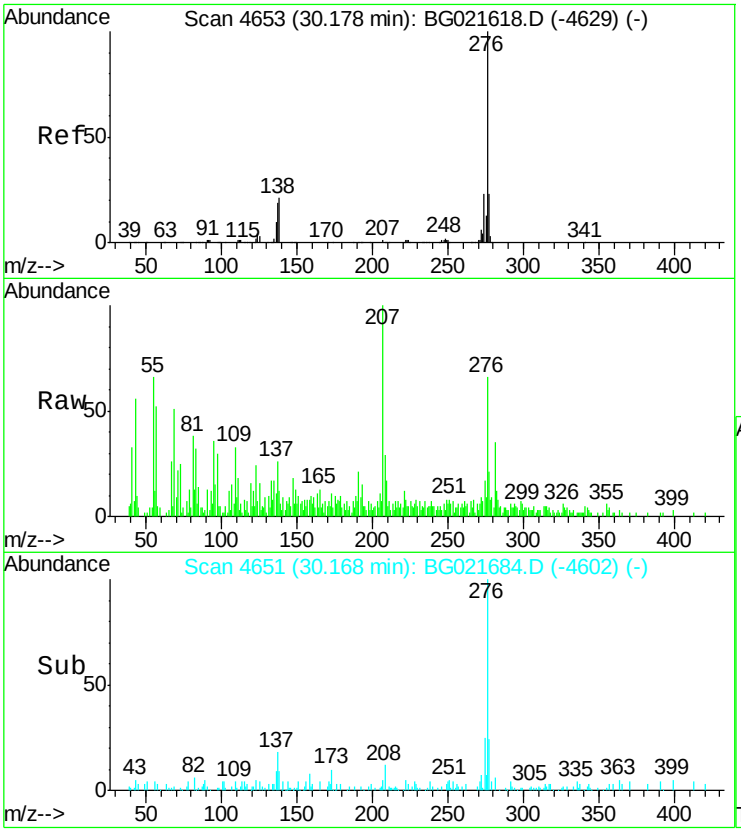




#89
Benzo(a)pyrene
Concen: 5.29 ng
RT: 25.01 min Scan# 3773
Delta R.T. -0.00 min
Lab File: BG021684.D
Acq: 15 Apr 2016 12:40

Tgt Ion:252 Resp: 72922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.9 | 17.1 | 25.7# |
| 125 | 16.5 | 9.6 | 14.4# |






#91
Benzo(g,h,i)perylene
Concen: 2.34 ng
RT: 30.17 min Scan# 4651
Delta R.T. -0.01 min
Lab File: BG021684.D
Acq: 15 Apr 2016 12:40

**Instrument :**
BNA_G
**ClientSampleId :**
SP-7W(0-2)A

Tgt Ion:276 Resp: 31717

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 31.4 | 19.4 | 29.2# |
| 138 | 18.7 | 17.4 | 26.0 |