Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072715\
Data File : BG018152.D
Acq On : 28 Jul 2015 18:36
Operator : TP/UM
Sample : G3030-19
Misc :
ALS Vial : 41 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C02K0

Quant Time: Jul 29 02:01:41 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG072315.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 29 01:59:28 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.51 | 152 | 46731 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.29 | 136 | 212418 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.18 | 164 | 130479 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 16.93 | 188 | 260120 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.15 | 240 | 284924 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 23.35 | 264 | 297879 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.02 | 96 | 3024 | 4.04 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.69 | 99 | 73487 | 20.39 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 6.85 | 67 | 36290 | 20.39 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.04 | 132 | 72438 | 22.66 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.23 | 113 | 64931 | 20.31 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.66 | 128 | 37837 | 22.53 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.38 | 143 | 41523 | 23.42 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 9.92 | 165 | 69554 | 22.54 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.44 | 131 | 58255 | 16.23 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 13.60 | 166 | 205718 | 22.46 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 13.87 | 160 | 229178 | 20.36 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.40 | 143 | 25900 | 13.44 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 15.18 | 176 | 155711 | 18.39 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.31 | 200 | 16276 | 9.79 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 17.03 | 188 | 212705 | 18.88 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 19.34 | 212 | 223123 | 17.09 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 23.20 | 264 | 241039 | 16.96 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 6) Phenol | 6.72 | 94 | 12201 | 3.31 | ng/ul# | 90 |
| 14) Acetophenone | 8.33 | 105 | 4530 | 1.01 | ng/ul | 94 |
| 28) Naphthalene | 10.34 | 128 | 22936 | 2.30 | ng/ul | 97 |
| 34) 2-Methylnaphthalene | 11.97 | 142 | 11993 | 1.60 | ng/ul | 95 |
| 35) 1-Methylnaphthalene | 12.19 | 142 | 9181 | 1.25 | ng/ul# | 91 |
| 45) Dimethylphthalate | 13.64 | 163 | 132738 | 14.40 | ng/ul | 98 |
| 50) Acenaphthene | 14.24 | 153 | 48853 | 6.31 | ng/ul | 100 |
| 54) Dibenzofuran | 14.58 | 168 | 27274 | 2.48 | ng/ul | 98 |
| 59) Fluorene | 15.24 | 166 | 35023 | 3.70 | ng/ul | 99 |
| 70) Phenanthrene | 16.98 | 178 | 518389 | 39.66 | ng/ul | 99 |
| 72) Anthracene | 17.07 | 178 | 116191 | 8.76 | ng/ul | 98 |
| 75) Carbazole | 17.35 | 167 | 73969 | 6.43 | ng/ul | 98 |
| 76) Di-n-butylphthalate | 17.92 | 149 | 163696 | 10.82 | ng/ul | 98 |
| 77) Fluoranthene | 19.01 | 202 | 942307 | 67.68 | ng/ul | 97 |
| 80) Pyrene | 19.38 | 202 | 827318 | 50.70 | ng/ul | 98 |
| 81) Butylbenzylphthalate | 20.30 | 149 | 40802 | 6.11 | ng/ul | 99 |
| 83) Benzo(a)anthracene | 21.14 | 228 | 512949 | 34.04 | ng/ul | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 21.08 | 149 | 207192 | 21.66 | ng/ul | 99 |
| 85) Chrysene | 21.18 | 228 | 510322 | 35.96 | ng/ul | 95 |
| 87) Di-n-octyl phthalate | 21.95 | 149 | 48489 | 3.04 | ng/ul | 100 |
| 88) Benzo(b)fluoranthene | 22.69 | 252 | 737525 | 45.19 | ng/ul | 98 |
| 89) Benzo(k)fluoranthene | 22.69 | 252 | 737525 | 46.69 | ng/ul | 97 |
| 91) Benzo(a)pyrene | 23.25 | 252 | 488404 | 30.90 | ng/ul | 97 |

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072715\
Data File : BG018152.D
Acq On : 28 Jul 2015 18:36
Operator : TP/UM
Sample : G3030-19
Misc :
ALS Vial : 41 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C02K0

Quant Time: Jul 29 02:01:41 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG072315.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 29 01:59:28 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 92) Indeno(1,2,3-cd)pyrene | 25.57 | 276 | 360209 | 19.75 | ng/ul | 93 |
| 93) Dibenzo(a,h)anthracene | 25.57 | 278 | 98745 | 6.34 | ng/ul# | 75 |
| 94) Benzo(g,h,i)perylene | 26.25 | 276 | 319758 | 21.22 | ng/ul | 97 |

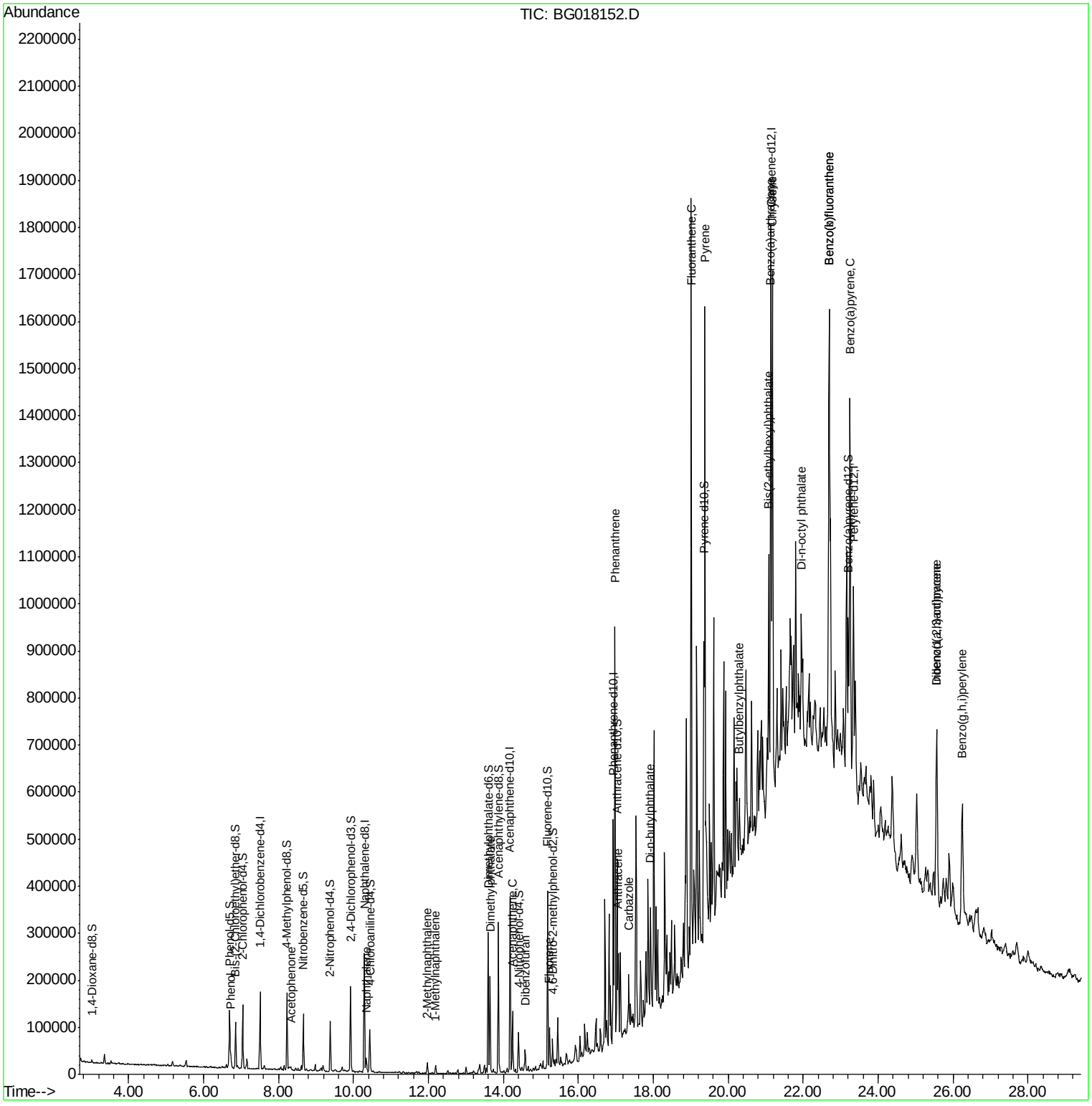
(#) = qualifier out of range (m) = manual integration (+) = signals summed

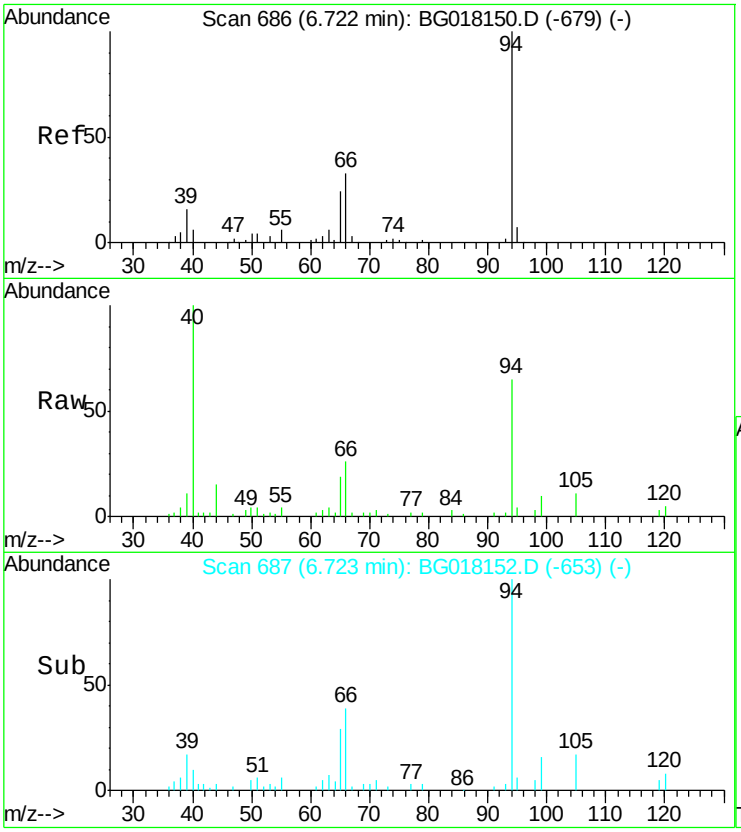
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072715\
Data File : BG018152.D
Acq On : 28 Jul 2015 18:36
Operator : TP/UM
Sample : G3030-19
Misc :
ALS Vial : 41 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
C02K0

Quant Time: Jul 29 02:01:41 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG072315.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 29 01:59:28 2015
Response via : Initial Calibration



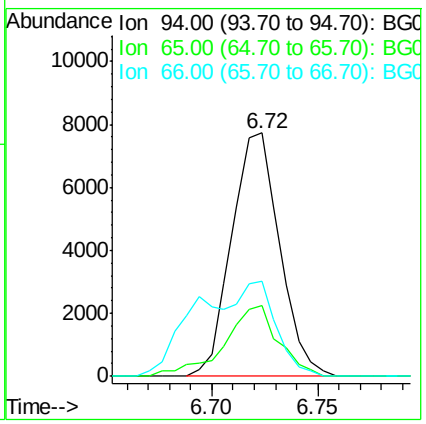


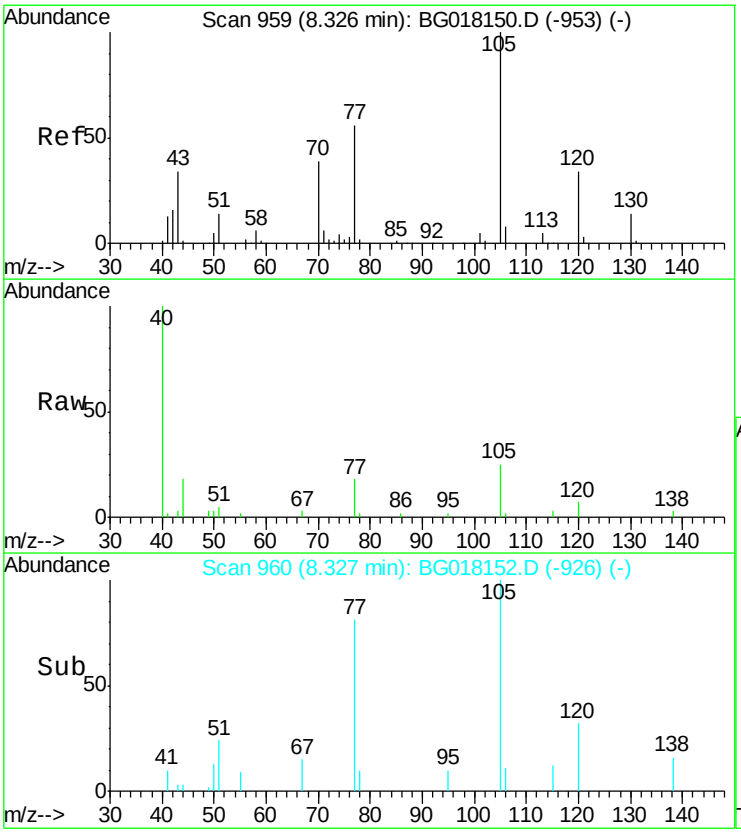

#6
Phenol
Concen: 3.31 ng/ul
RT: 6.72 min Scan# 687
Delta R.T. 0.00 min
Lab File: BG018152.D
Acq: 28 Jul 2015 18:36

**Instrument :**
BNA_G
**ClientSampleId :**
C02K0

Tgt Ion: 94 Resp: 12201

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 29.0 | 20.1 | 30.1 |
| 66 | 39.3 | 25.9 | 38.9# |

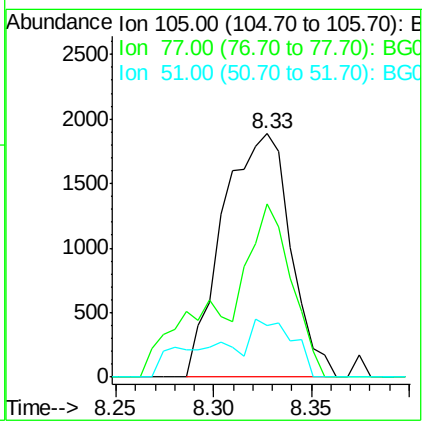


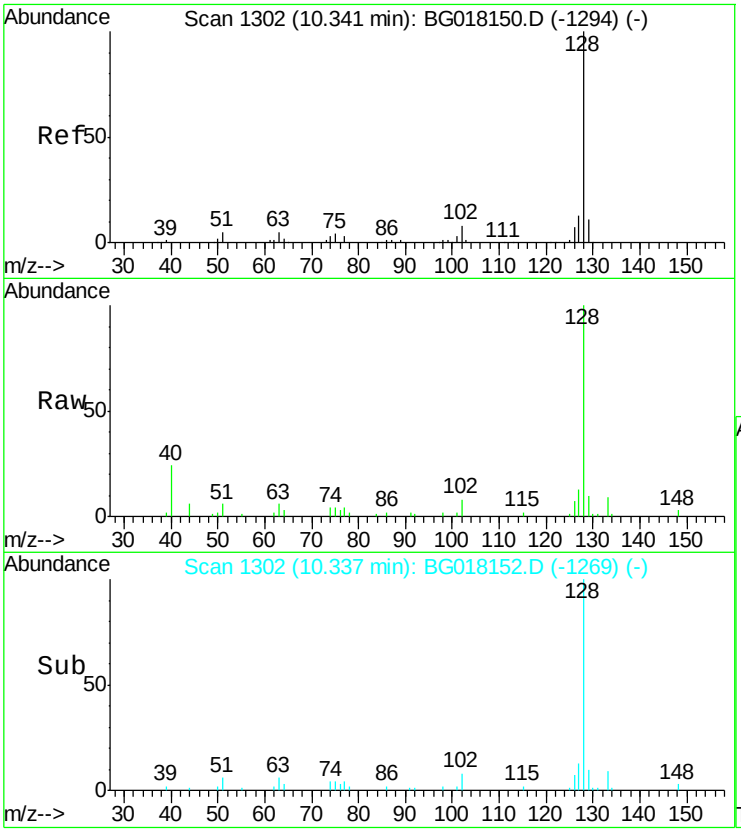




#14
Acetophenone
Concen: 1.01 ng/ul
RT: 8.33 min Scan# 960
Delta R.T. 0.00 min
Lab File: BG018152.D
Acq: 28 Jul 2015 18:36

Tgt Ion:105 Resp: 4530

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 77 | 71.4 | 61.7 | 92.5 |
| 51 | 21.3 | 18.1 | 27.1 |



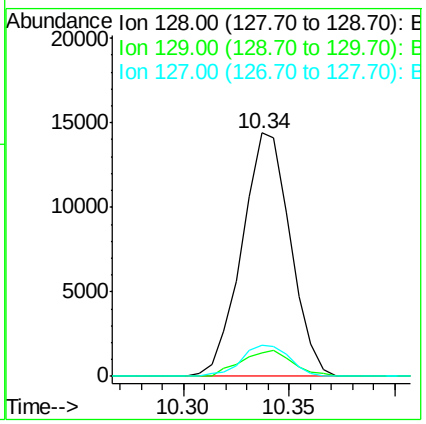


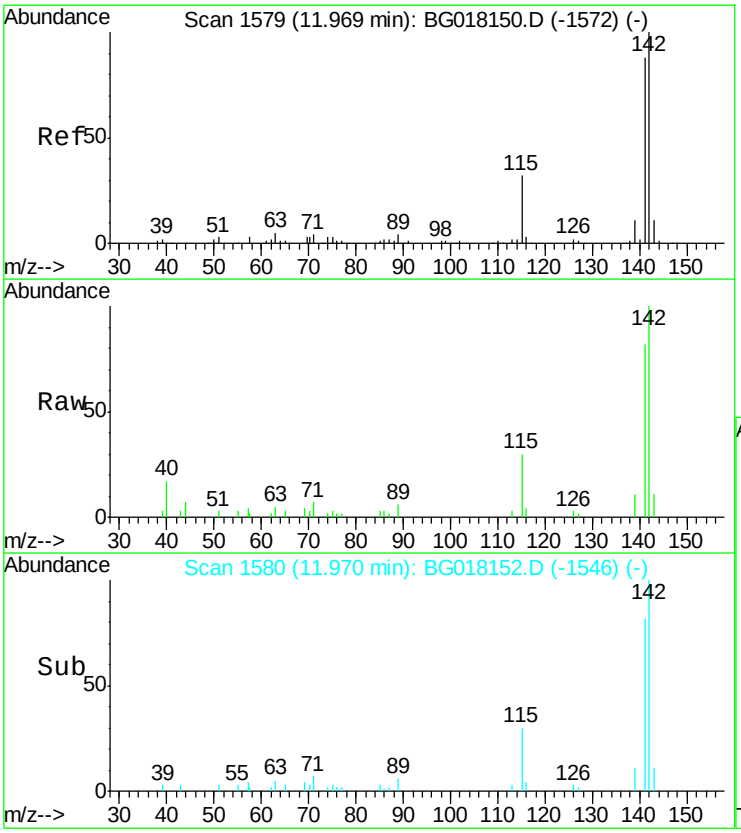

#28
Naphthalene
Concen: 2.30 ng/ul
RT: 10.34 min Scan# 1302
Delta R.T. -0.00 min
Lab File: BG018152.D
Acq: 28 Jul 2015 18:36

**Instrument :**
BNA_G
**ClientSampleId :**
C02K0

Tgt Ion:128 Resp: 22936

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 9.9 | 9.5 | 14.3 |
| 127 | 12.7 | 10.1 | 15.1 |

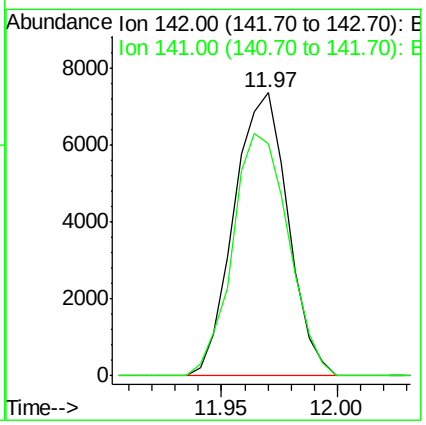


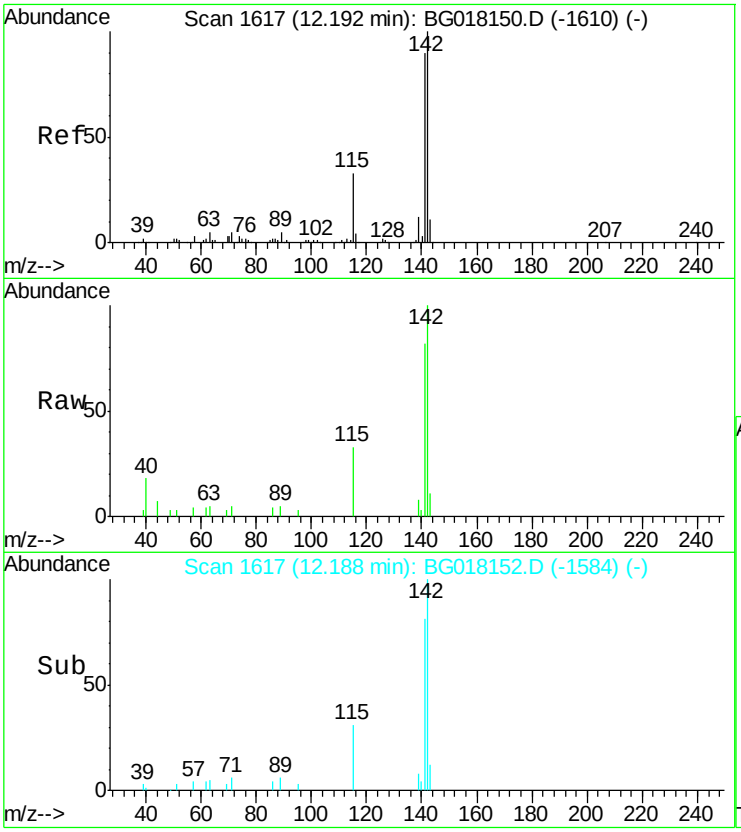




#34
2-Methylnaphthalene
Concen: 1.60 ng/ul
RT: 11.97 min Scan# 1580
Delta R.T. 0.00 min
Lab File: BG018152.D
Acq: 28 Jul 2015 18:36

Tgt Ion:142 Resp: 11993

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 82.2 | 69.4 | 104.0 |



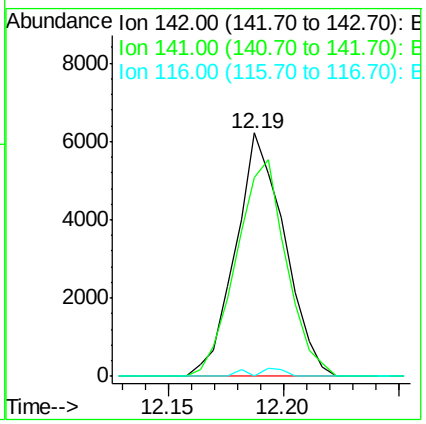


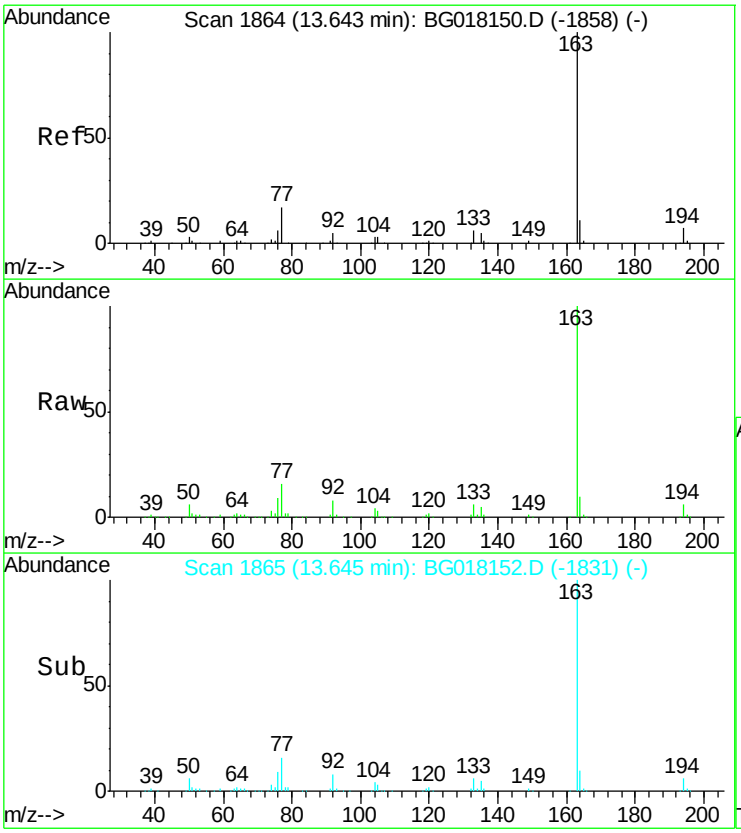

#35
1-Methylnaphthalene
Concen: 1.25 ng/ul
RT: 12.19 min Scan# 1617
Delta R.T. -0.00 min
Lab File: BG018152.D
Acq: 28 Jul 2015 18:36

**Instrument :**
BNA_G
**ClientSampleId :**
C02K0

Tgt Ion:142 Resp: 9181

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 81.7 | 71.8 | 107.6 |
| 116 | 0.0 | 3.2 | 4.8# |

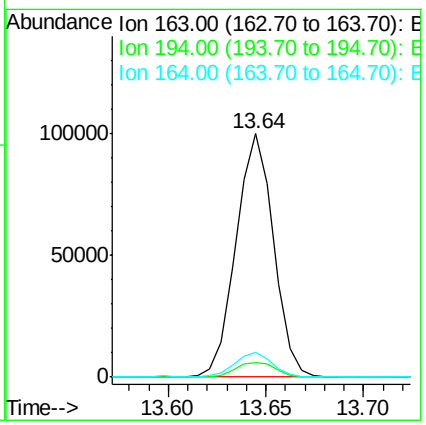


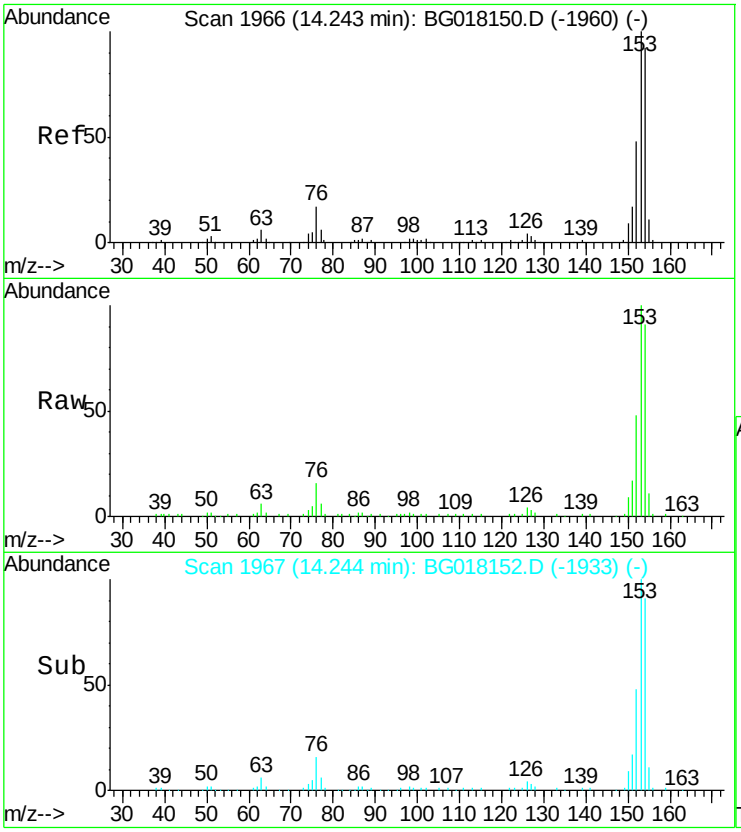




#45
Dimethylphthalate
Concen: 14.40 ng/ul
RT: 13.64 min Scan# 1865
Delta R.T. 0.00 min
Lab File: BG018152.D
Acq: 28 Jul 2015 18:36

Tgt Ion:163 Resp: 132738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 6.0 | 5.4 | 8.2 |
| 164 | 9.9 | 8.7 | 13.1 |



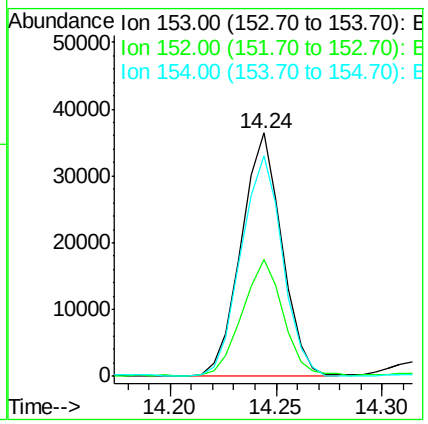


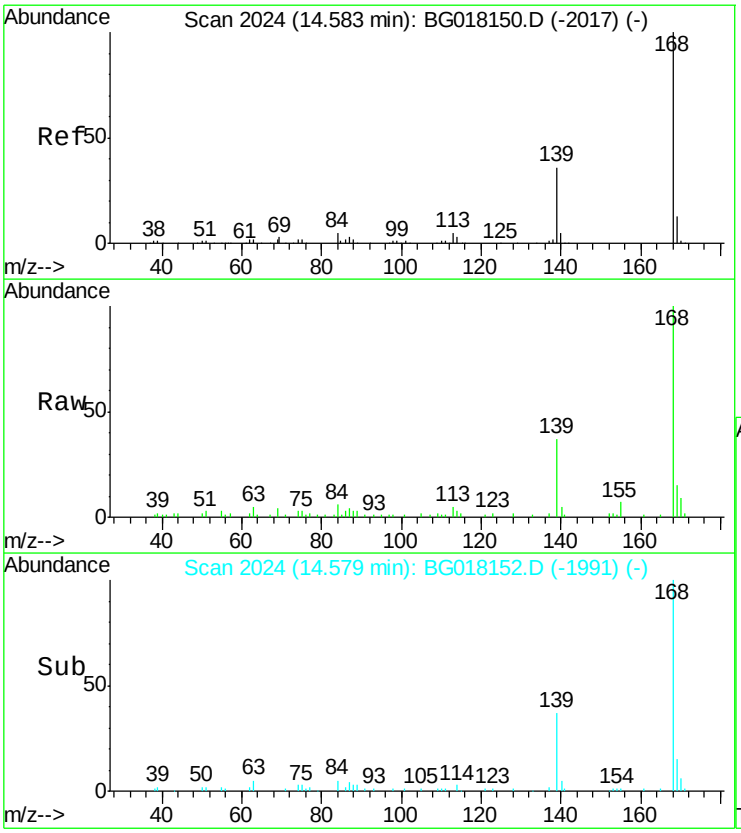

#50
Acenaphthene
Concen: 6.31 ng/ul
RT: 14.24 min Scan# 1967
Delta R.T. 0.00 min
Lab File: BG018152.D
Acq: 28 Jul 2015 18:36

**Instrument :**
BNA_G
**ClientSampleId :**
C02K0

Tgt Ion:153 Resp: 48853

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 48.1 | 38.9 | 58.3 |
| 154 | 90.7 | 72.6 | 108.8 |

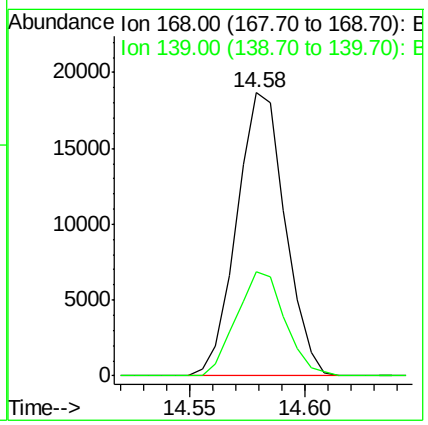


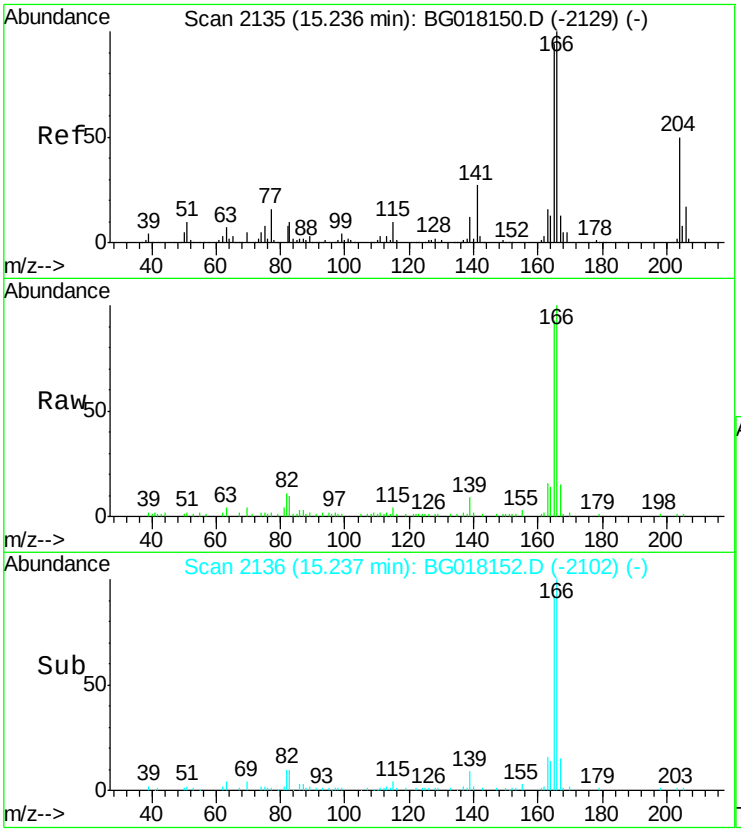




#54
Dibenzofuran
Concen: 2.48 ng/ul
RT: 14.58 min Scan# 2024
Delta R.T. -0.00 min
Lab File: BG018152.D
Acq: 28 Jul 2015 18:36

Tgt Ion:168 Resp: 27274

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 36.8 | 30.6 | 46.0 |



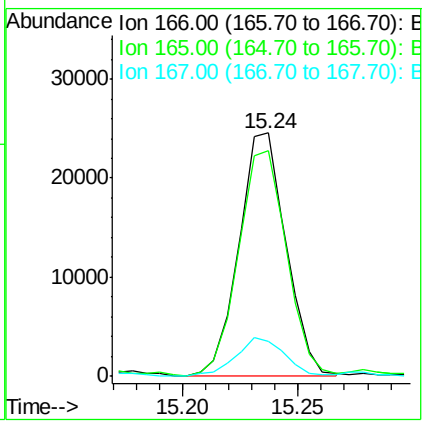


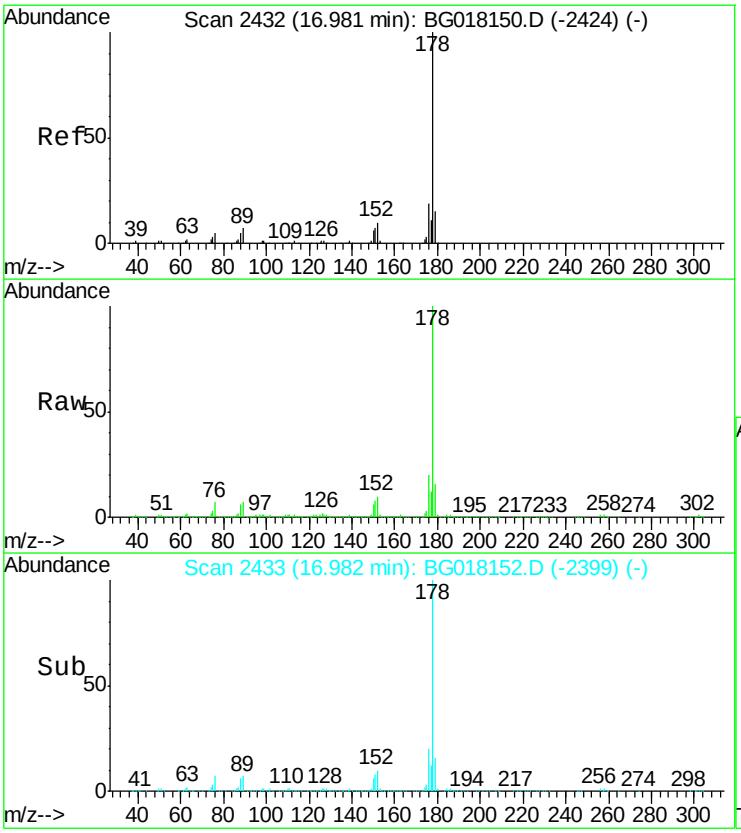

#59
Fluorene
Concen: 3.70 ng/ul
RT: 15.24 min Scan# 2136
Delta R.T. 0.00 min
Lab File: BG018152.D
Acq: 28 Jul 2015 18:36

**Instrument :**
BNA_G
**ClientSampleId :**
C02K0

Tgt Ion:166 Resp: 35023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 92.6 | 73.6 | 110.4 |
| 167 | 14.5 | 10.8 | 16.2 |

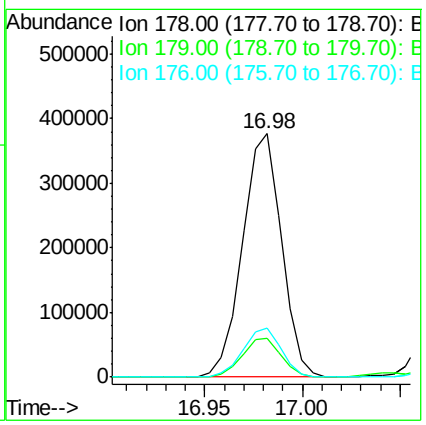


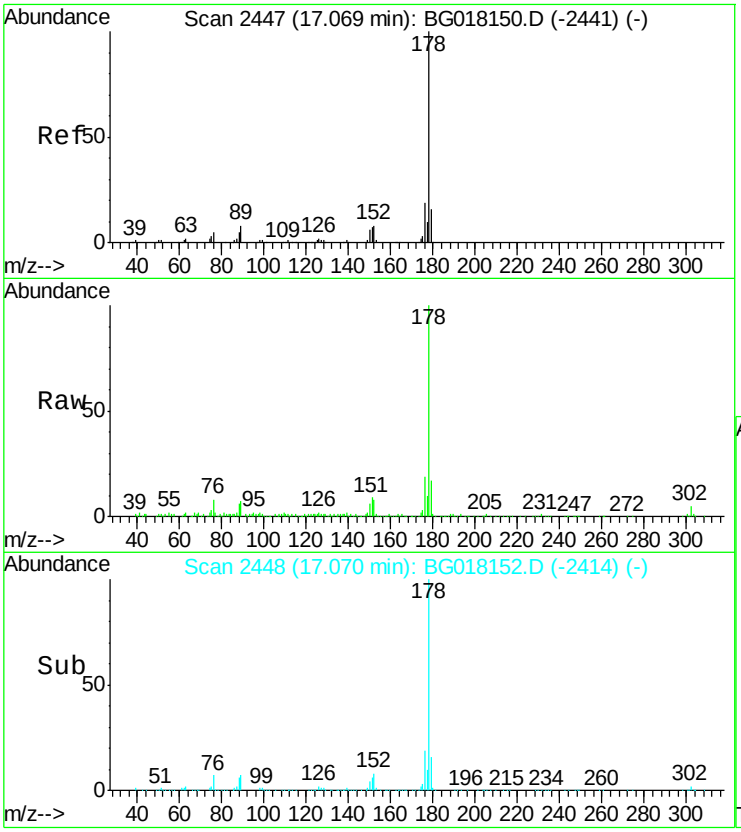




#70
Phenanthrene
Concen: 39.66 ng/ul
RT: 16.98 min Scan# 2433
Delta R.T. 0.00 min
Lab File: BG018152.D
Acq: 28 Jul 2015 18:36

Tgt Ion:178 Resp: 518389

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.9 | 13.0 | 19.6 |
| 176 | 20.4 | 15.8 | 23.8 |



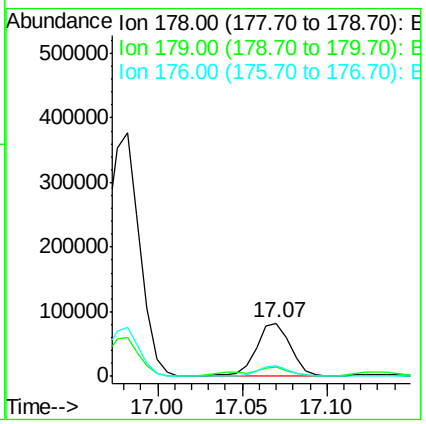


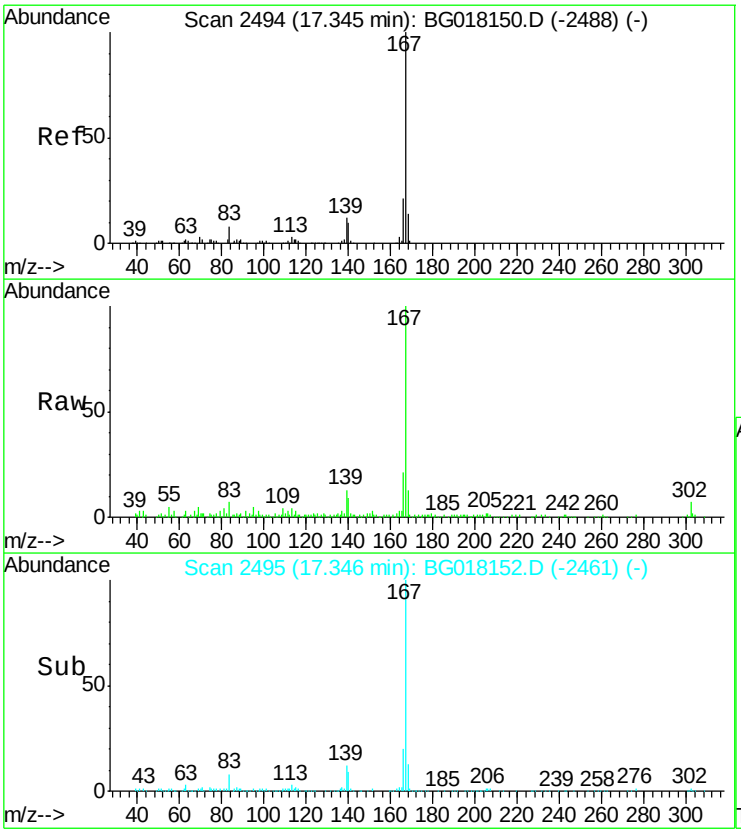

#72
Anthracene
Concen: 8.76 ng/ul
RT: 17.07 min Scan# 2448
Delta R.T. 0.00 min
Lab File: BG018152.D
Acq: 28 Jul 2015 18:36

**Instrument :**
BNA_G
**ClientSampleId :**
C02K0

Tgt Ion:178 Resp: 116191

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.6 | 12.4 | 18.6 |
| 176 | 19.0 | 15.8 | 23.8 |

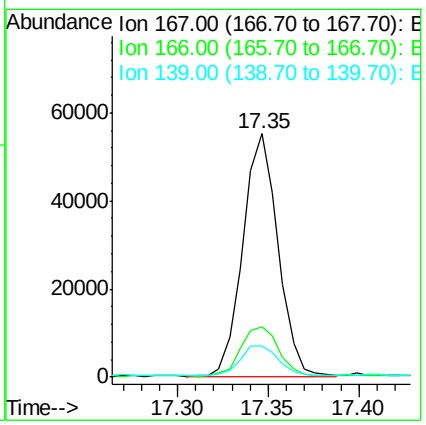


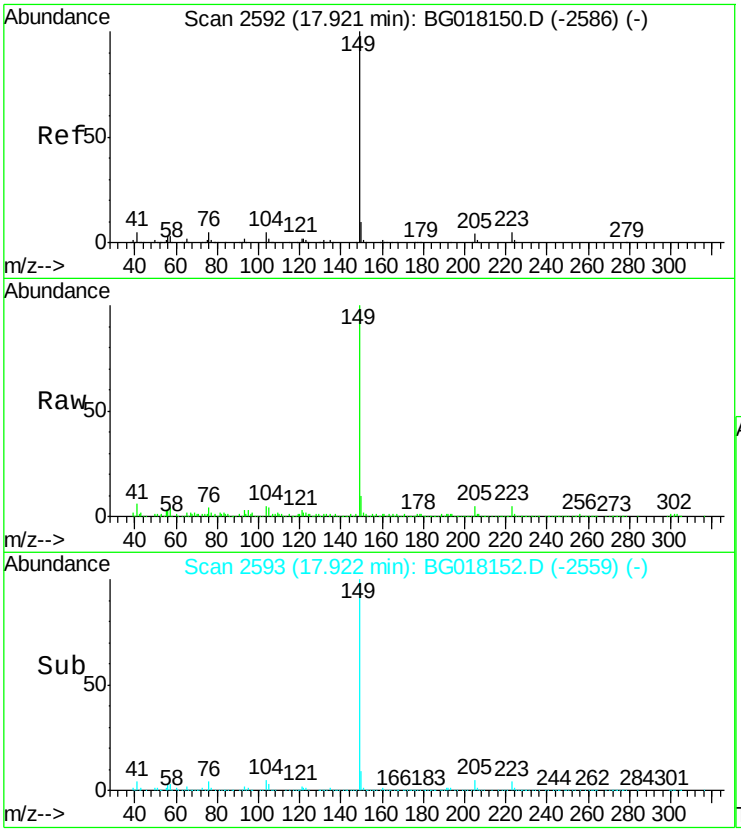




#75
Carbazole
Concen: 6.43 ng/ul
RT: 17.35 min Scan# 2495
Delta R.T. 0.00 min
Lab File: BG018152.D
Acq: 28 Jul 2015 18:36

Tgt Ion:167 Resp: 73969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 20.5 | 17.4 | 26.2 |
| 139 | 12.7 | 10.6 | 15.8 |



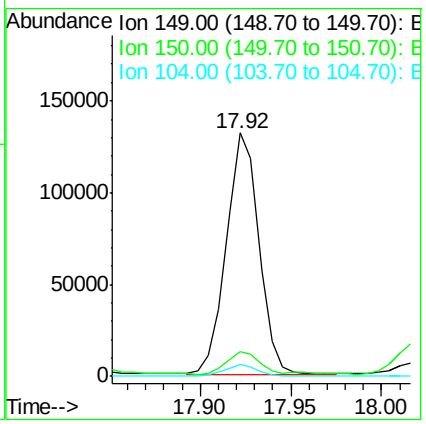


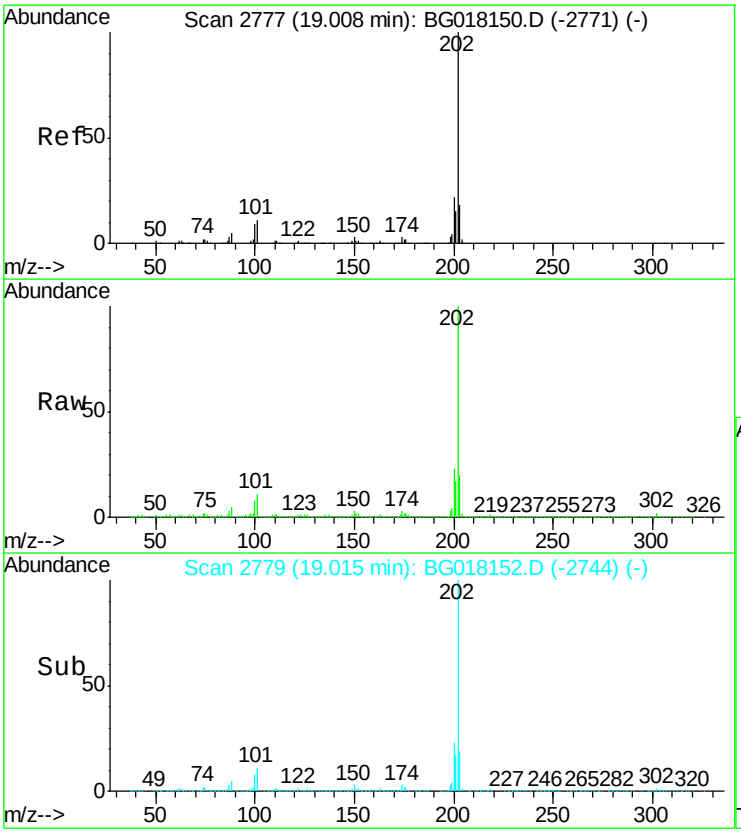

#76
Di-n-butylphthalate
Concen: 10.82 ng/ul
RT: 17.92 min Scan# 2593
Delta R.T. 0.00 min
Lab File: BG018152.D
Acq: 28 Jul 2015 18:36

**Instrument :**
BNA_G
**ClientSampleId :**
C02K0

Tgt Ion:149 Resp: 163696

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 10.4 | 7.4 | 11.0 |
| 104 | 4.8 | 3.8 | 5.8 |

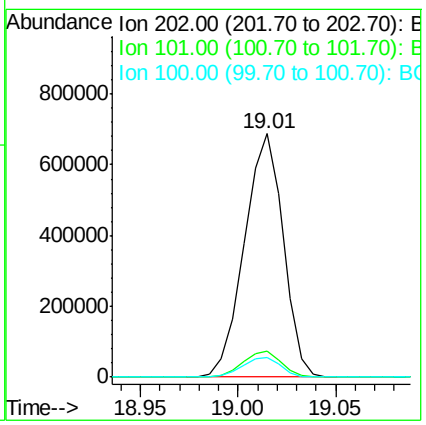


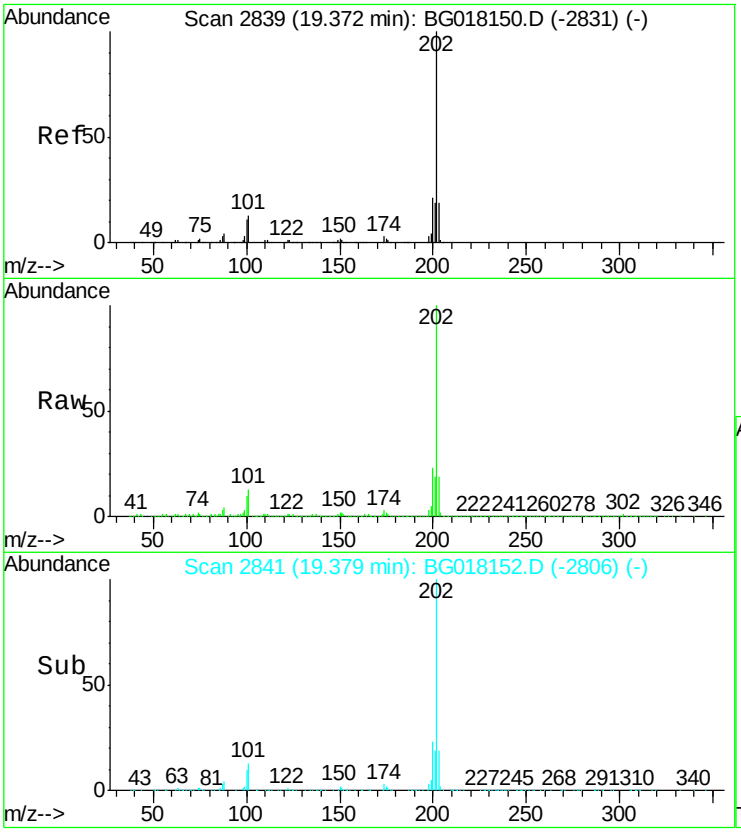




#77
Fluoranthene
Concen: 67.68 ng/ul
RT: 19.01 min Scan# 2779
Delta R.T. 0.01 min
Lab File: BG018152.D
Acq: 28 Jul 2015 18:36

Tgt Ion:202 Resp: 942307

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.7 | 9.1 | 13.7 |
| 100 | 8.2 | 7.5 | 11.3 |



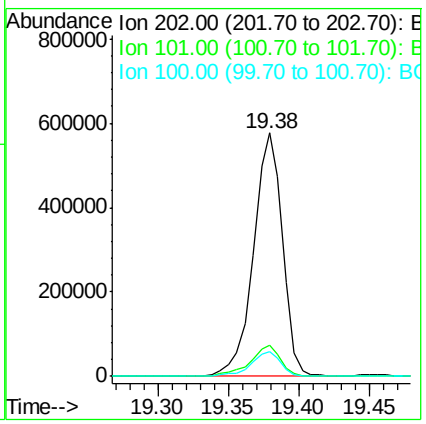


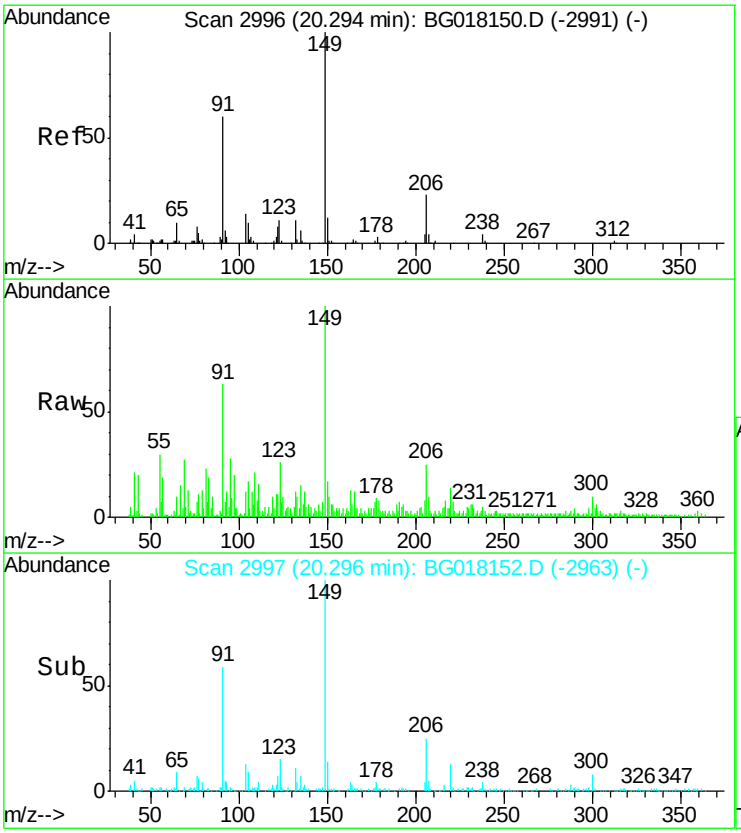

#80
Pyrene
Concen: 50.70 ng/ul
RT: 19.38 min Scan# 2841
Delta R.T. 0.01 min
Lab File: BG018152.D
Acq: 28 Jul 2015 18:36

**Instrument :**
BNA_G
**ClientSampleId :**
C02K0

Tgt Ion:202 Resp: 827318

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.8 | 10.9 | 16.3 |
| 100 | 10.0 | 8.5 | 12.7 |

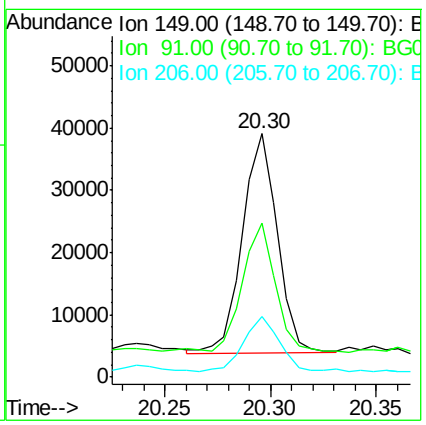


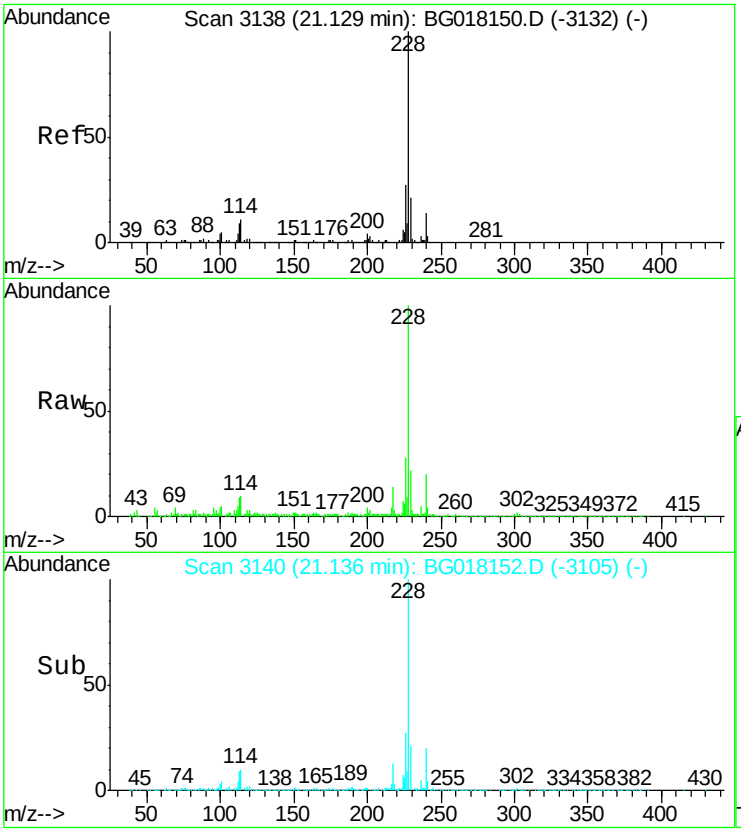




#81
Butylbenzylphthalate
Concen: 6.11 ng/ul
RT: 20.30 min Scan# 2997
Delta R.T. 0.00 min
Lab File: BG018152.D
Acq: 28 Jul 2015 18:36

Tgt Ion:149 Resp: 40802

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 63.3 | 51.1 | 76.7 |
| 206 | 24.6 | 19.9 | 29.9 |



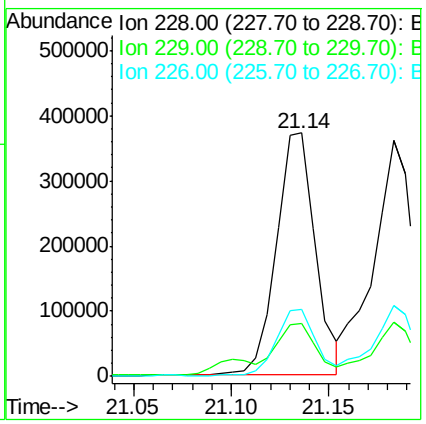


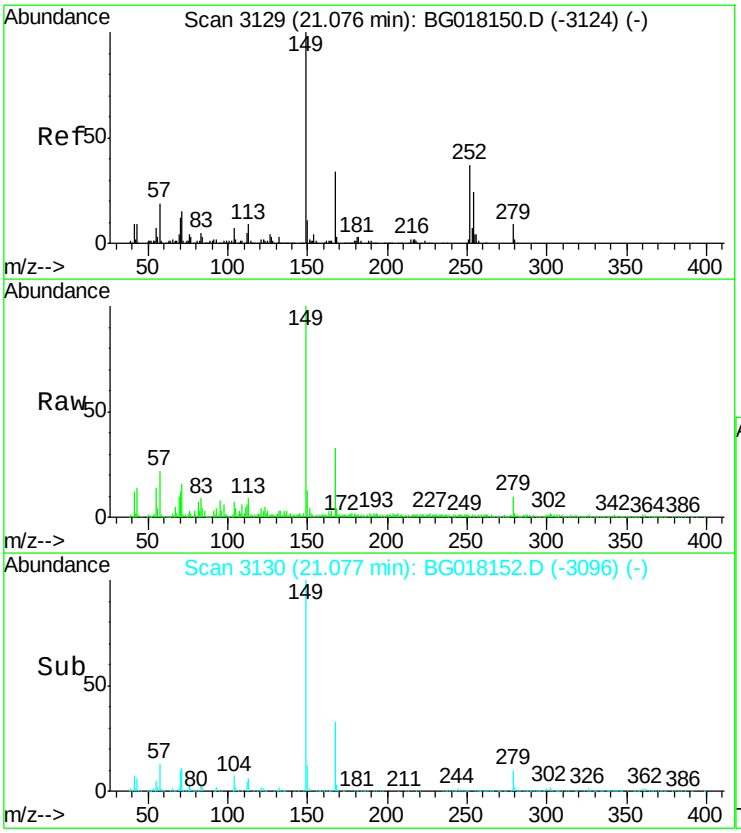

#83
Benzo(a)anthracene
Concen: 34.04 ng/ul
RT: 21.14 min Scan# 3140
Delta R.T. 0.01 min
Lab File: BG018152.D
Acq: 28 Jul 2015 18:36

**Instrument :**
BNA_G
**ClientSampleId :**
C02K0

Tgt Ion:228 Resp: 512949

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 21.9 | 16.6 | 24.8 |
| 226 | 27.6 | 21.1 | 31.7 |

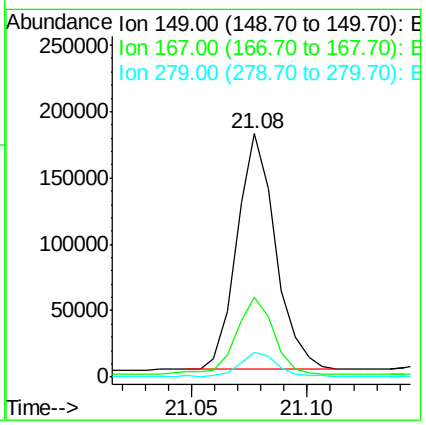


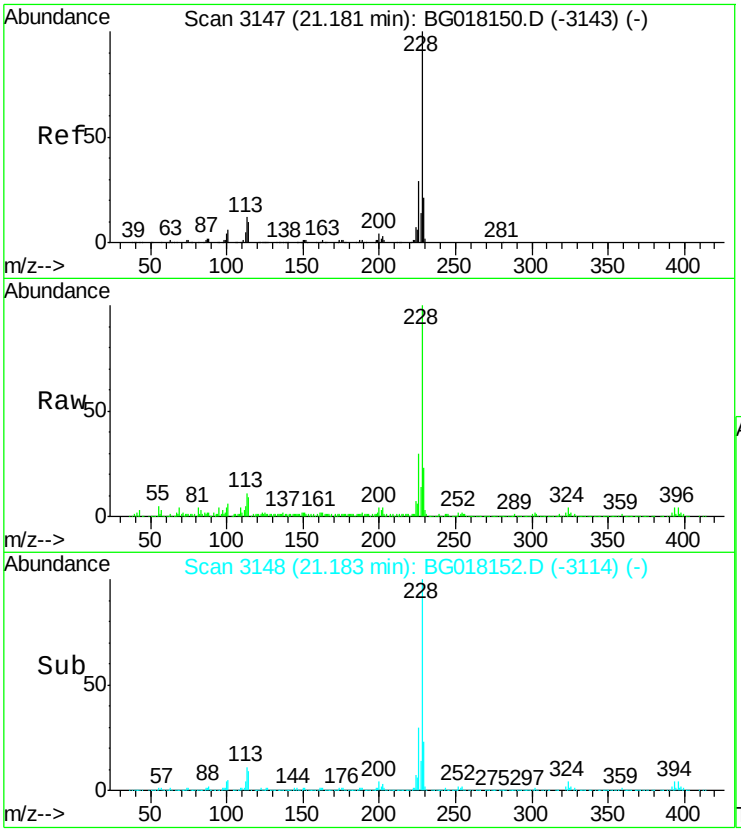




#84
Bis(2-ethylhexyl)phthalate
Concen: 21.66 ng/ul
RT: 21.08 min Scan# 3130
Delta R.T. 0.00 min
Lab File: BG018152.D
Acq: 28 Jul 2015 18:36

Tgt Ion:149 Resp: 207192

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 32.9 | 26.2 | 39.4 |
| 279 | 9.9 | 7.2 | 10.8 |



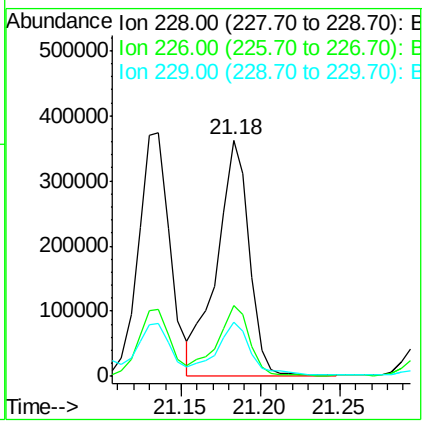


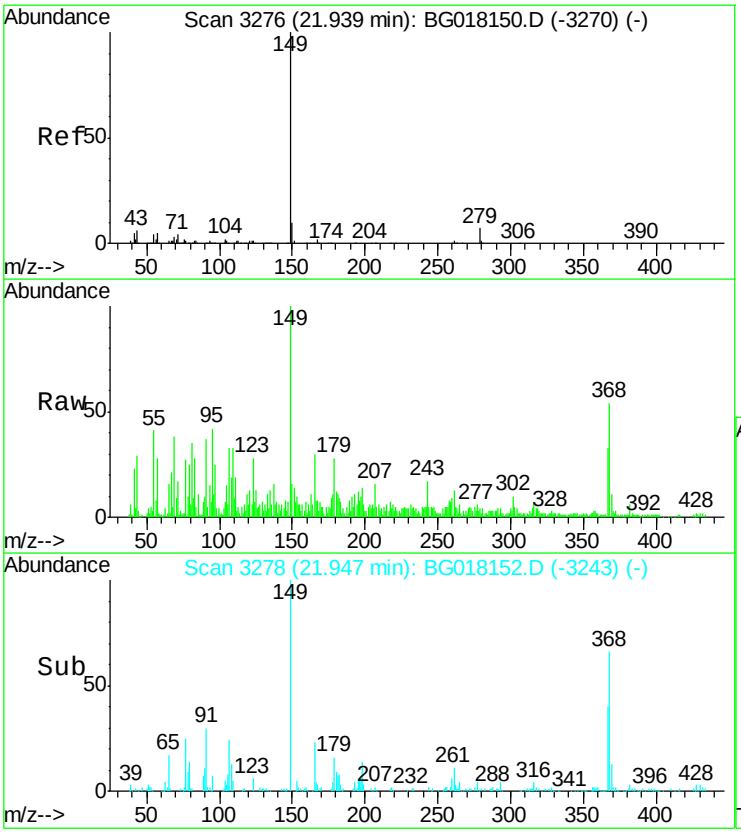

#85
Chrysene
Concen: 35.96 ng/ul
RT: 21.18 min Scan# 3148
Delta R.T. 0.00 min
Lab File: BG018152.D
Acq: 28 Jul 2015 18:36

**Instrument :**
BNA_G
**ClientSampleId :**
C02K0

Tgt Ion:228 Resp: 510322

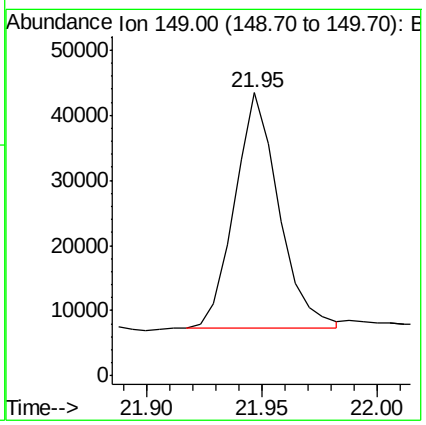
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.2 | 22.9 | 34.3 |
| 229 | 23.0 | 15.6 | 23.4 |

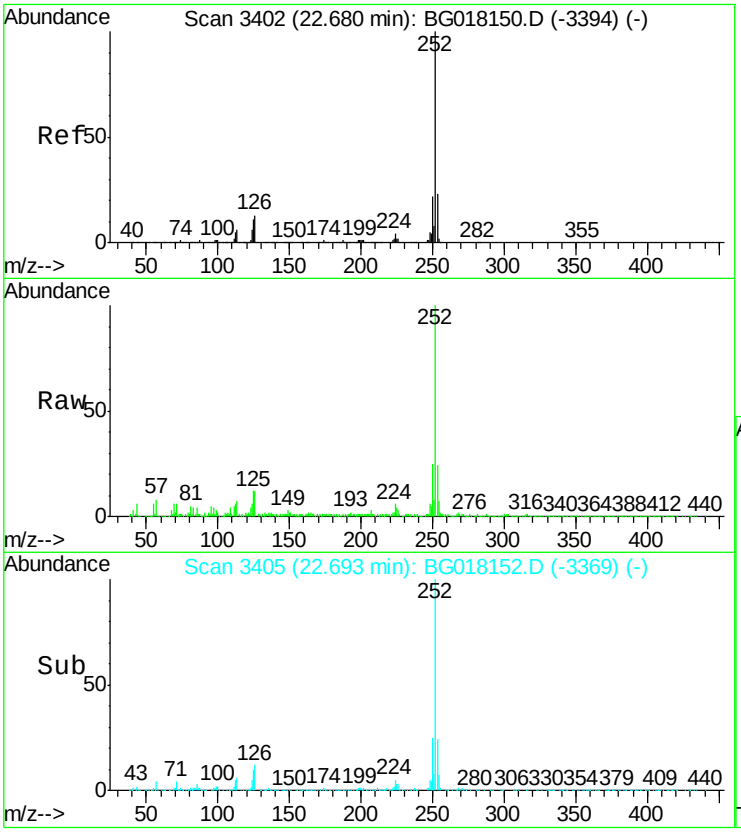



#87
Di-n-octyl phthalate
Concen: 3.04 ng/ul
RT: 21.95 min Scan# 3278
Delta R.T. 0.01 min
Lab File: BG018152.D
Acq: 28 Jul 2015 18:36

Tgt Ion:149 Resp: 48489



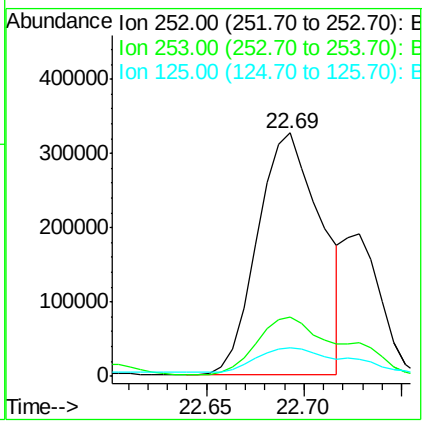


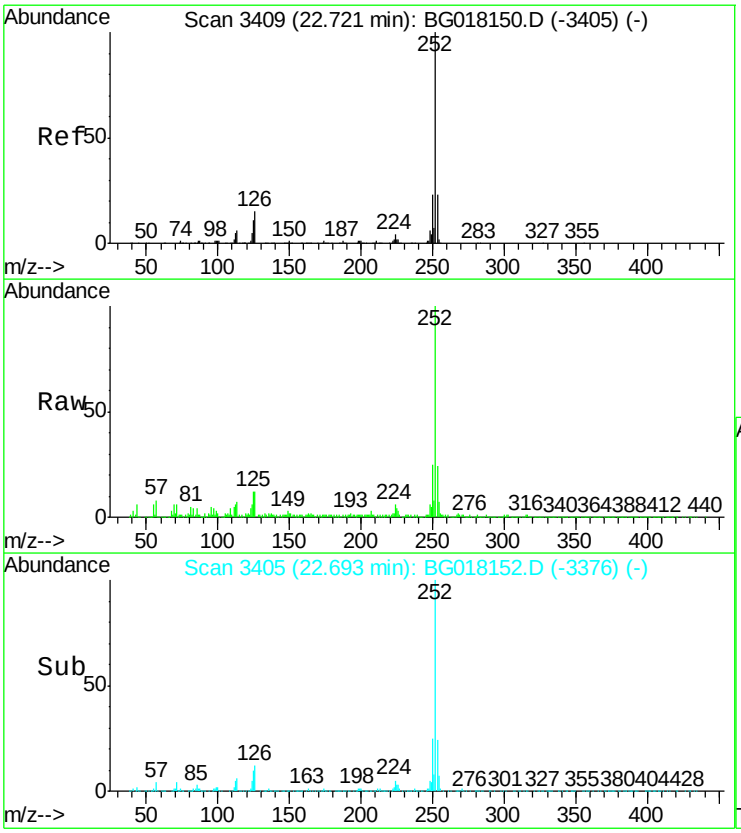

#88
Benzo(b)fluoranthene
Concen: 45.19 ng/ul
RT: 22.69 min Scan# 3405
Delta R.T. 0.01 min
Lab File: BG018152.D
Acq: 28 Jul 2015 18:36

**Instrument :**
BNA_G
**ClientSampleId :**
C02K0

Tgt Ion:252 Resp: 737525

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.2 | 18.5 | 27.7 |
| 125 | 11.8 | 9.1 | 13.7 |

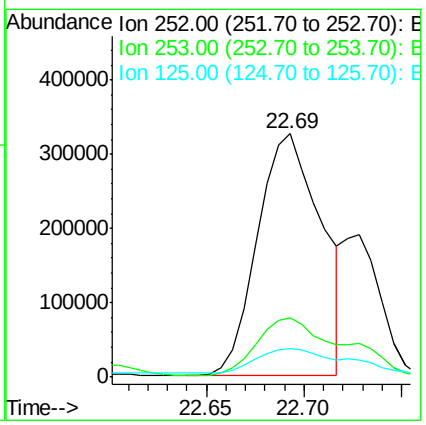


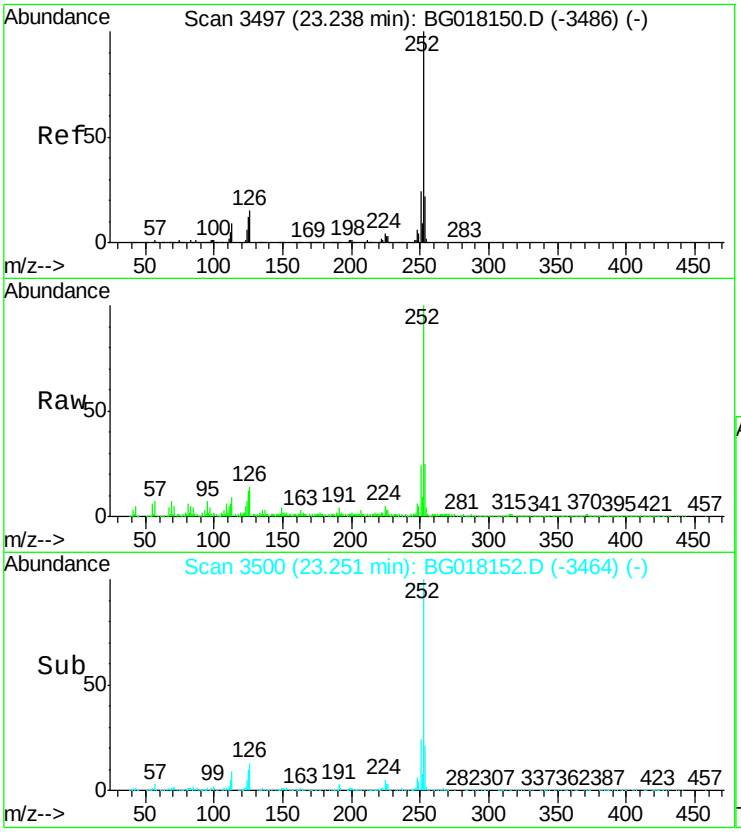




#89
Benzo(k)fluoranthene
Concen: 46.69 ng/ul
RT: 22.69 min Scan# 3405
Delta R.T. -0.03 min
Lab File: BG018152.D
Acq: 28 Jul 2015 18:36

Tgt Ion:252 Resp: 737525

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.2 | 17.8 | 26.8 |
| 125 | 11.8 | 9.3 | 13.9 |



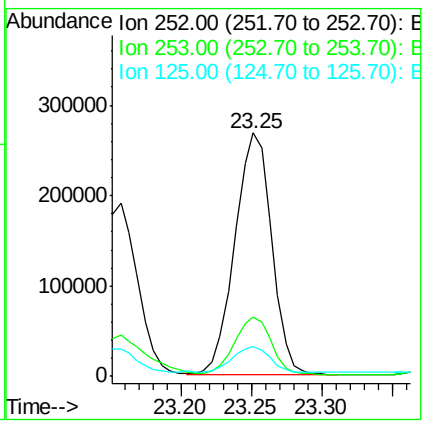


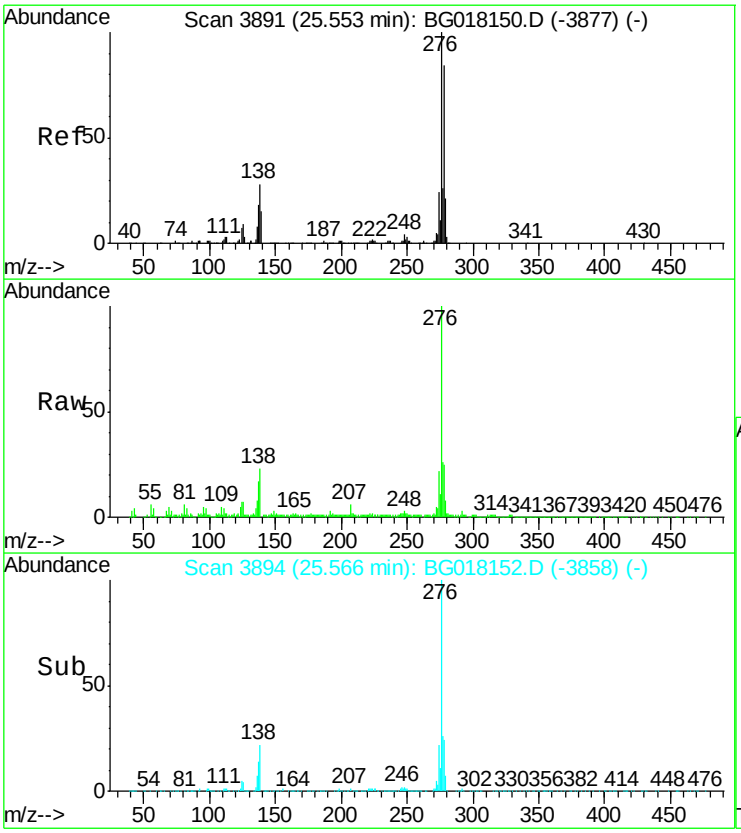

#91
Benzo(a)pyrene
Concen: 30.90 ng/ul
RT: 23.25 min Scan# 3500
Delta R.T. 0.01 min
Lab File: BG018152.D
Acq: 28 Jul 2015 18:36

**Instrument :**
BNA_G
**ClientSampleId :**
C02K0

Tgt Ion:252 Resp: 488404

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.5 | 18.0 | 27.0 |
| 125 | 12.3 | 10.2 | 15.2 |

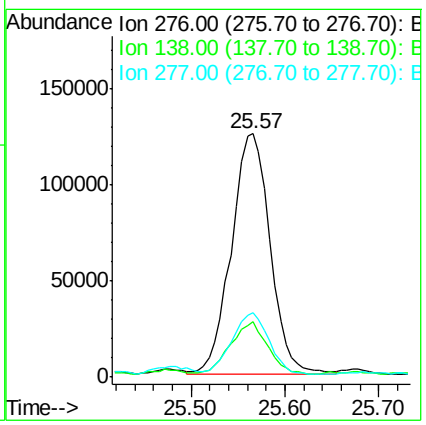


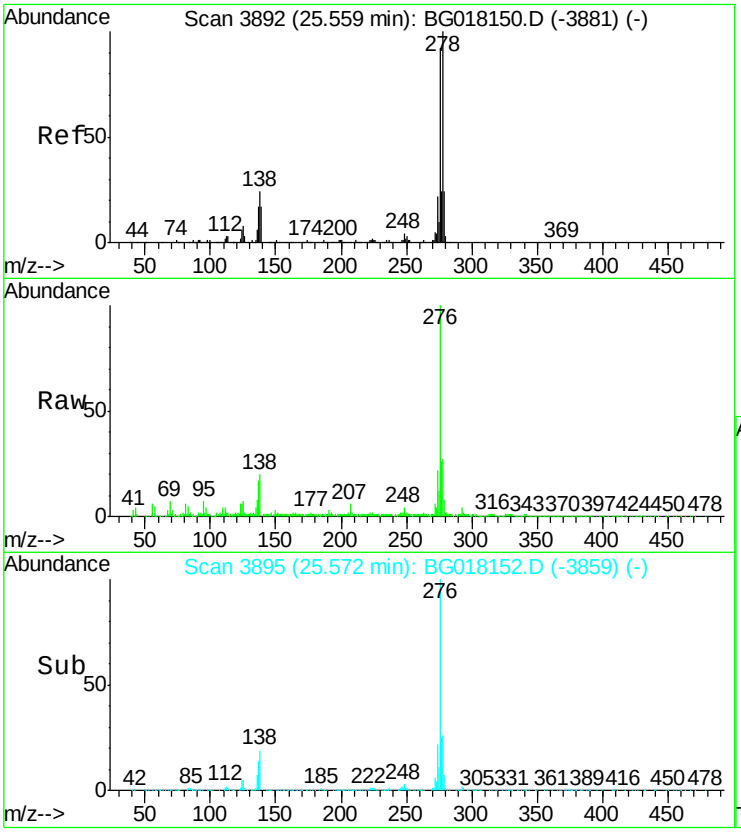




#92
Indeno(1,2,3-cd)pyrene
Concen: 19.75 ng/ul
RT: 25.57 min Scan# 3894
Delta R.T. 0.01 min
Lab File: BG018152.D
Acq: 28 Jul 2015 18:36

Tgt Ion:276 Resp: 360209

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 22.6 | 22.6 | 33.8 |
| 277 | 26.3 | 19.8 | 29.8 |



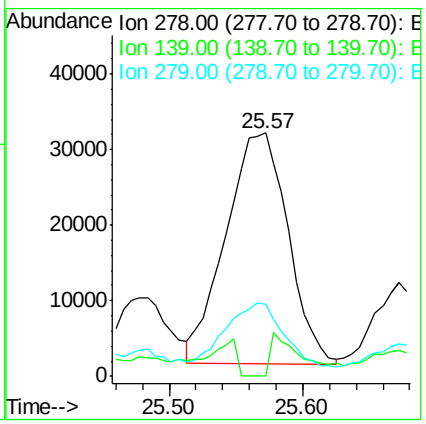


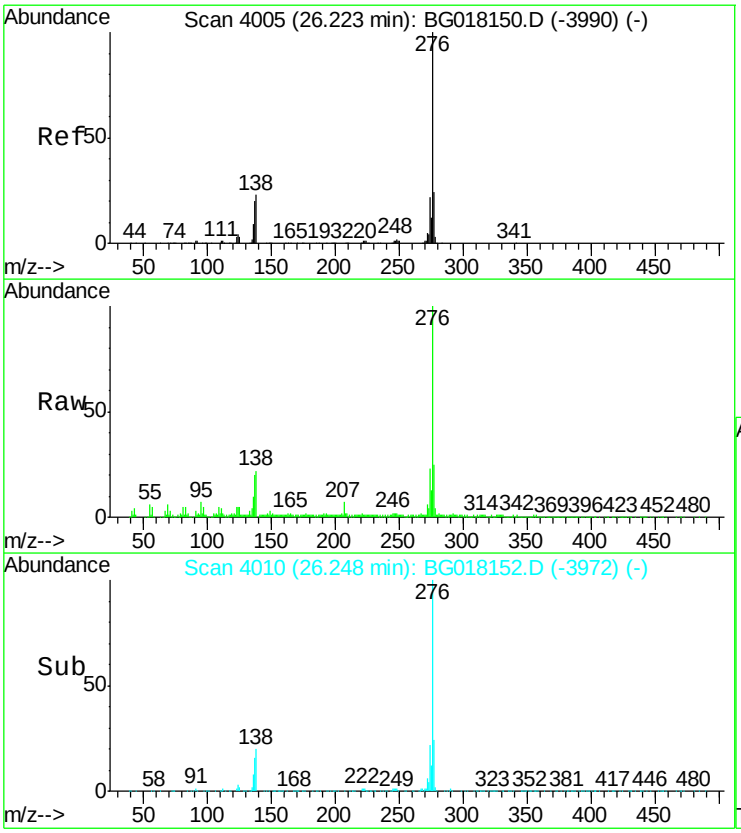

#93
Dibenzo(a,h)anthracene
Concen: 6.34 ng/ul
RT: 25.57 min Scan# 3895
Delta R.T. 0.01 min
Lab File: BG018152.D
Acq: 28 Jul 2015 18:36

**Instrument :**
BNA_G
**ClientSampleId :**
C02K0

Tgt Ion:278 Resp: 98745

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 0.0 | 13.7 | 20.5# |
| 279 | 29.4 | 18.1 | 27.1# |




#94
Benzo(g,h,i)perylene
Concen: 21.22 ng/ul
RT: 26.25 min Scan# 4010
Delta R.T. 0.02 min
Lab File: BG018152.D
Acq: 28 Jul 2015 18:36

Tgt Ion:276 Resp: 319758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 21.5 | 18.8 | 28.2 |
| 277 | 24.7 | 19.3 | 28.9 |