Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081016\
Data File : BG023618.D
Acq On : 11 Aug 2016 7:38
Operator : UM/SJ
Sample : H4384-22MSD
Misc :
ALS Vial : 29 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** P002-SS001-1218-01MSD

Quant Time: Aug 11 08:26:56 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 11 03:58:16 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.11 | 152 | 208508 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.95 | 136 | 951606 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.79 | 164 | 658506 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.55 | 188 | 1383516 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.88 | 240 | 1302173 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 25.28 | 264 | 1347092 | 20.00 | ng/ul | 0.01 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.48 | 96 | 14541 | 2.96 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.27 | 99 | 439455 | 20.92 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.42 | 67 | 267403 | 19.87 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.64 | 132 | 297146 | 20.74 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.83 | 113 | 331027 | 20.19 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.29 | 128 | 162084 | 21.61 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 10.02 | 143 | 195054 | 22.64 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.57 | 165 | 387299 | 23.83 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 11.08 | 131 | 350760 | 18.40 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 14.18 | 166 | 1323735 | 24.55 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.48 | 160 | 1536793 | 25.33 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 15.00 | 143 | 231405 | 25.14 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.78 | 176 | 1206069 | 24.21 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.91 | 200 | 225557 | 25.41 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.65 | 188 | 1719018 | 27.58 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 19.94 | 212 | 1774713 | 26.92 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 25.05 | 264 | 1760834 | 28.88 | ng/ul | 0.02 |
| **Target Compounds** | | | | | | Qvalue |
| 6) Phenol | 7.30 | 94 | 471349 | 21.55 | ng/ul# | 76 |
| 10) 2-Chlorophenol | 7.67 | 128 | 305232 | 20.91 | ng/ul# | 84 |
| 15) N-Nitroso-di-n-propylamine | 8.92 | 70 | 329455 | 20.82 | ng/ul# | 86 |
| 33) 4-Chloro-3-methylphenol | 12.24 | 107 | 543367 | 25.77 | ng/ul | 85 |
| 44) Dimethylphthalate | 14.23 | 163 | 770465 | 14.43 | ng/ul | 100 |
| 47) Acenaphthylene | 14.52 | 152 | 70028 | 1.10 | ng/ul | 99 |
| 49) Acenaphthene | 14.85 | 153 | 1111057 | 25.69 | ng/ul | 95 |
| 52) 4-Nitrophenol | 15.01 | 109 | 224223 | 24.32 | ng/ul# | 71 |
| 54) 2,4-Dinitrotoluene | 15.16 | 165 | 459926 | 26.22 | ng/ul# | 81 |
| 68) Pentachlorophenol | 17.20 | 266 | 280152 | 30.04 | ng/ul | 91 |
| 69) Phenanthrene | 17.59 | 178 | 568735 | 7.94 | ng/ul | 99 |
| 71) Anthracene | 17.69 | 178 | 79829 | 1.09 | ng/ul | 97 |
| 77) Pyrene | 19.98 | 202 | 2868558 | 35.63 | ng/ul | 99 |
| 80) Benzo(a)anthracene | 21.92 | 228 | 585211 | 7.98 | ng/ul | 93 |
| 82) Chrysene | 21.92 | 228 | 591706 | 8.87 | ng/ul# | 95 |
| 85) Benzo(b)fluoranthene | 24.20 | 252 | 574643 | 7.50 | ng/ul# | 92 |
| 86) Benzo(k)fluoranthene | 24.26 | 252 | 198343 | 2.63 | ng/ul# | 91 |
| 88) Benzo(a)pyrene | 24.96 | 252 | 359498 | 4.86 | ng/ul | 98 |
| 89) Indeno(1,2,3-cd)pyrene | 29.18 | 276 | 293465 | 3.38 | ng/ul# | 86 |
| 91) Benzo(g,h,i)perylene | 30.41 | 276 | 202829 | 2.81 | ng/ul# | 84 |

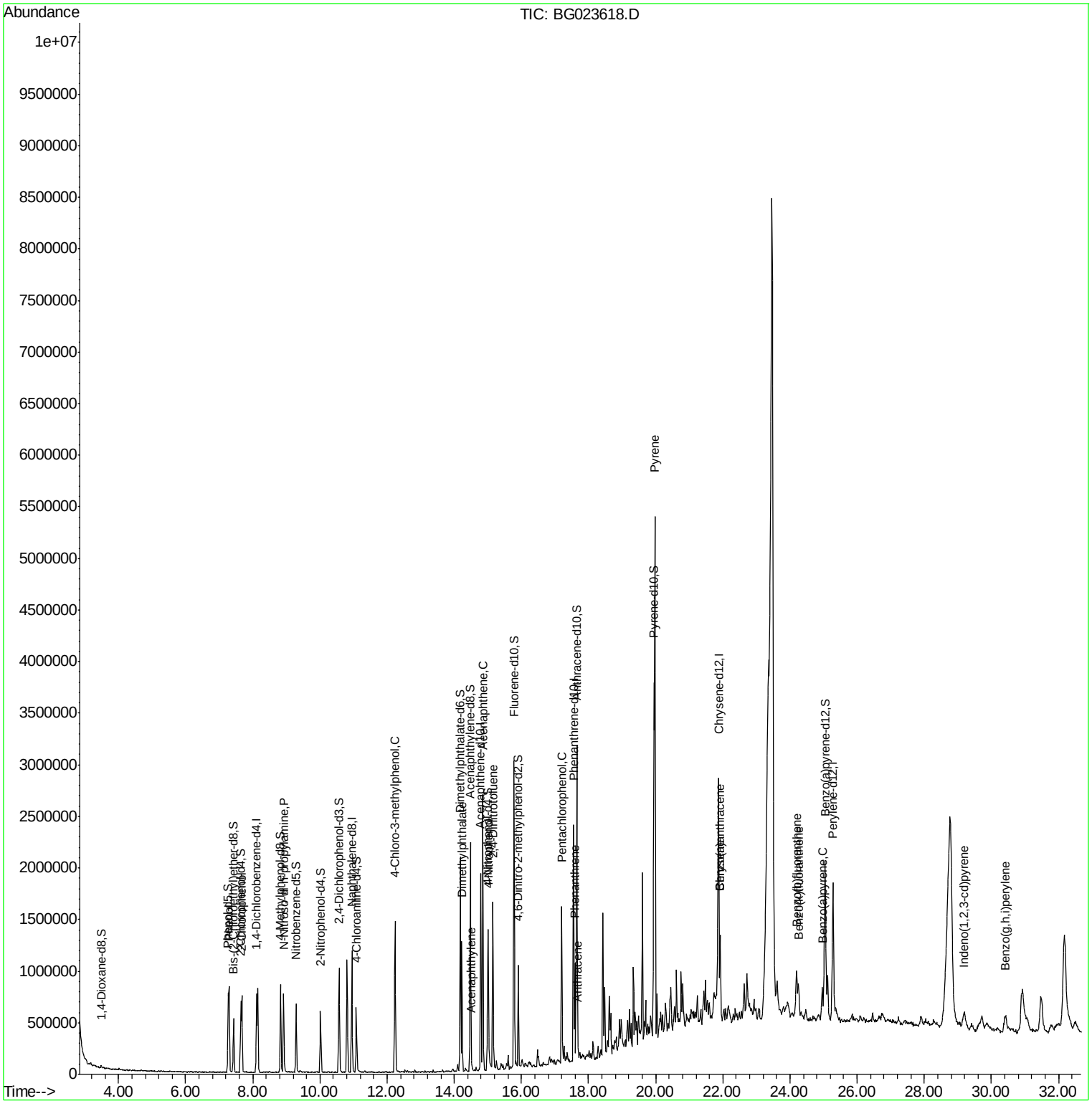
(#) = qualifier out of range (m) = manual integration (+) = signals summed

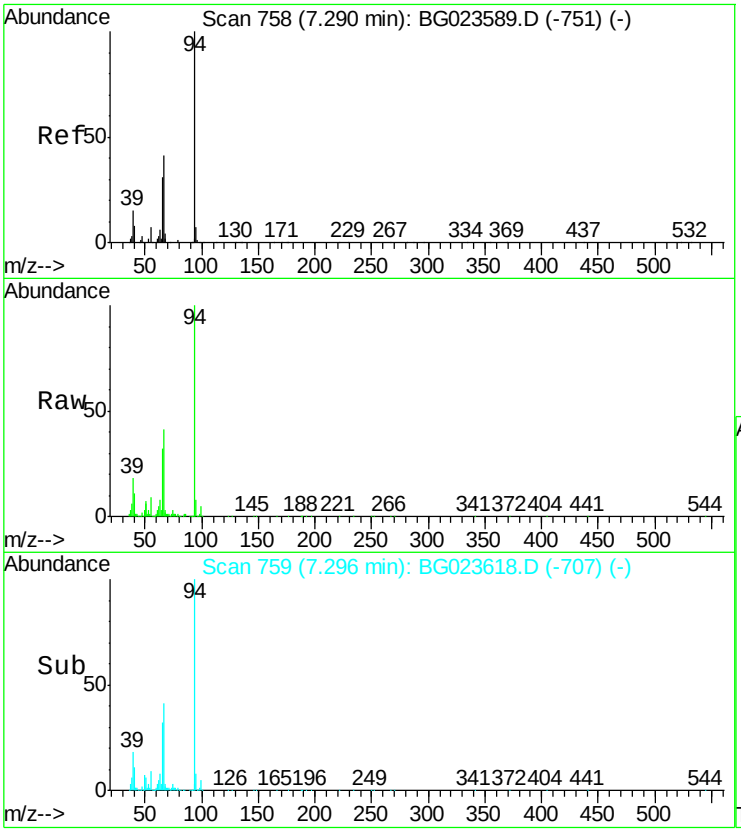
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081016\
Data File : BG023618.D
Acq On : 11 Aug 2016 7:38
Operator : UM/SJ
Sample : H4384-22MSD
Misc :
ALS Vial : 29 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
P002-SS001-1218-01MSD

Quant Time: Aug 11 08:26:56 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 11 03:58:16 2016
Response via : Initial Calibration



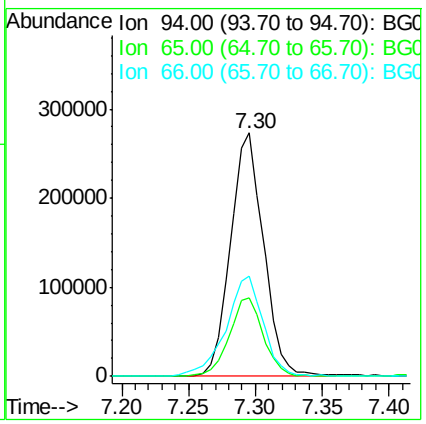


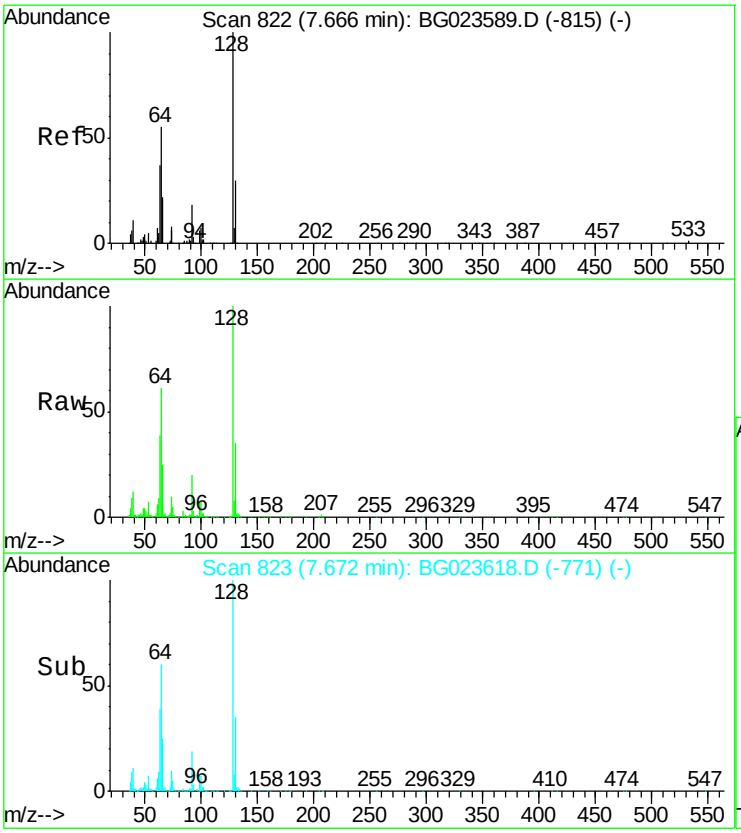

#6
Phenol
Concen: 21.55 ng/ul
RT: 7.30 min Scan# 759
Delta R.T. 0.01 min
Lab File: BG023618.D
Acq: 11 Aug 2016 7:38

**Instrument :**
BNA_G
**ClientSampleId :**
P002-SS001-1218-01MSD

Tgt Ion: 94 Resp: 471349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 32.1 | 16.8 | 25.2# |
| 66 | 41.0 | 22.6 | 33.8# |

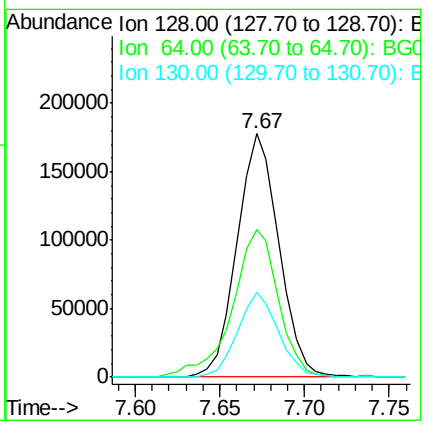


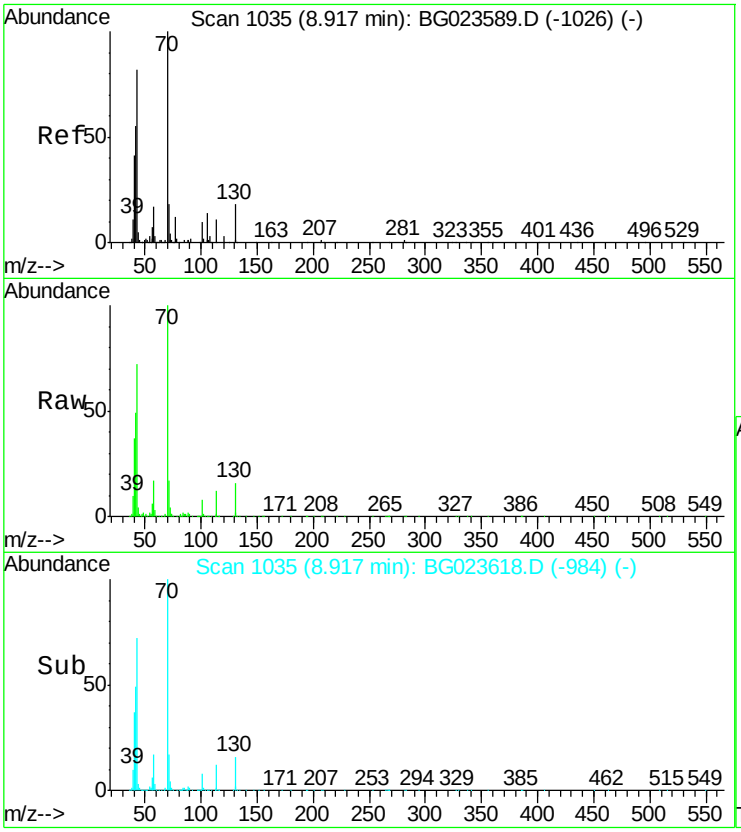




#10
2-Chlorophenol
Concen: 20.91 ng/ul
RT: 7.67 min Scan# 823
Delta R.T. 0.01 min
Lab File: BG023618.D
Acq: 11 Aug 2016 7:38

Tgt Ion:128 Resp: 305232

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 64 | 60.6 | 34.2 | 51.4# |
| 130 | 34.7 | 27.0 | 40.4 |



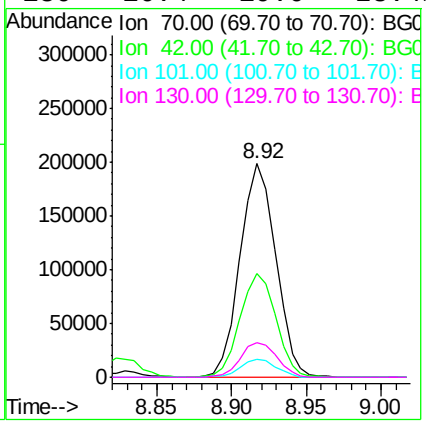


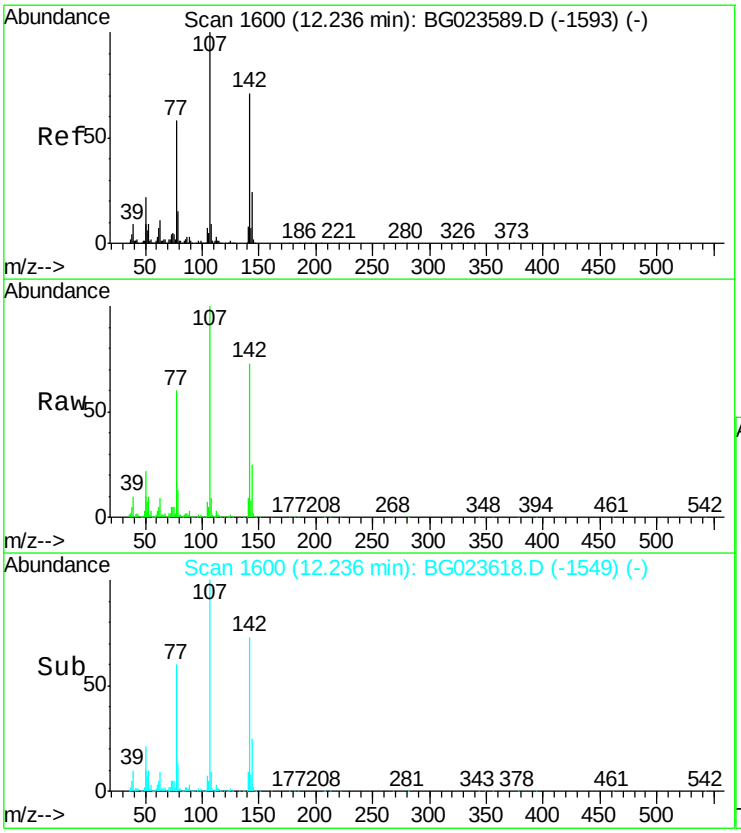

#15
N-Nitroso-di-n-propylamine
Concen: 20.82 ng/ul
RT: 8.92 min Scan# 1035
Delta R.T. 0.00 min
Lab File: BG023618.D
Acq: 11 Aug 2016 7:38

**Instrument :**
BNA_G
**ClientSampleId :**
P002-SS001-1218-01MSD

Tgt Ion: 70 Resp: 329455

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 48.8 | 31.4 | 47.2# |
| 101 | 8.5 | 8.6 | 13.0# |
| 130 | 16.4 | 19.0 | 28.4# |

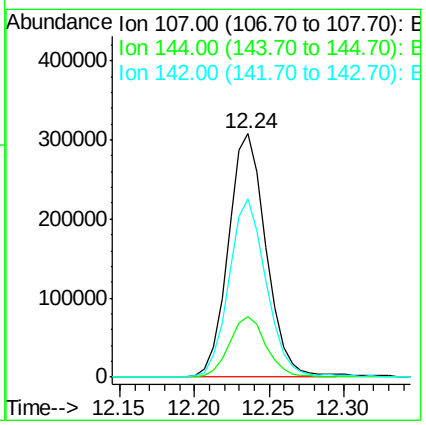


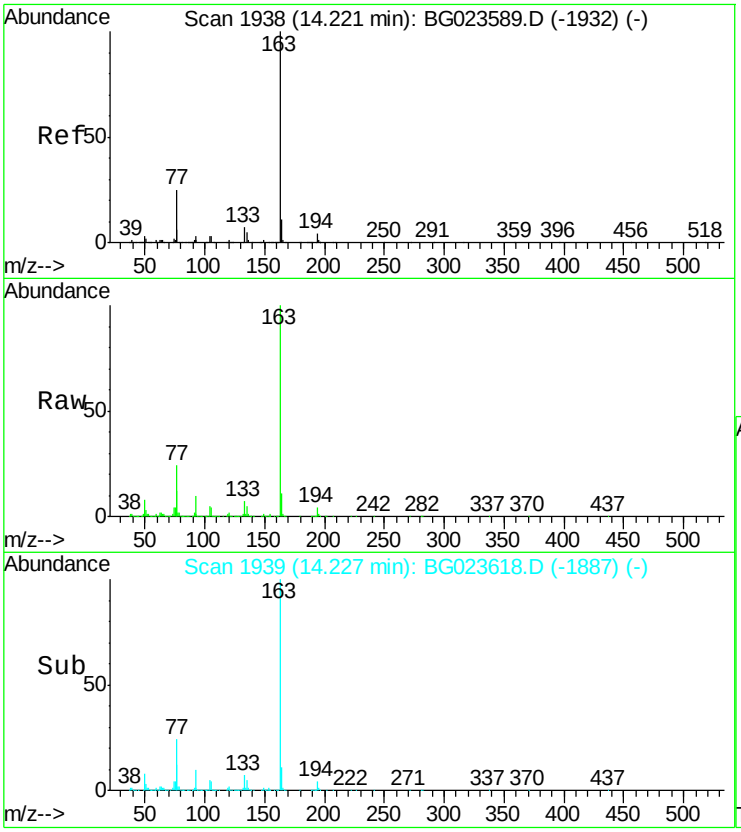




#33
4-Chloro-3-methylphenol
Concen: 25.77 ng/ul
RT: 12.24 min Scan# 1600
Delta R.T. 0.00 min
Lab File: BG023618.D
Acq: 11 Aug 2016 7:38

Tgt Ion:107 Resp: 543367

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 24.8 | 22.7 | 34.1 |
| 142 | 73.2 | 71.6 | 107.4 |



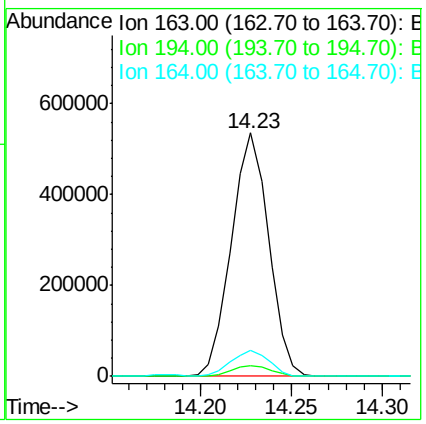


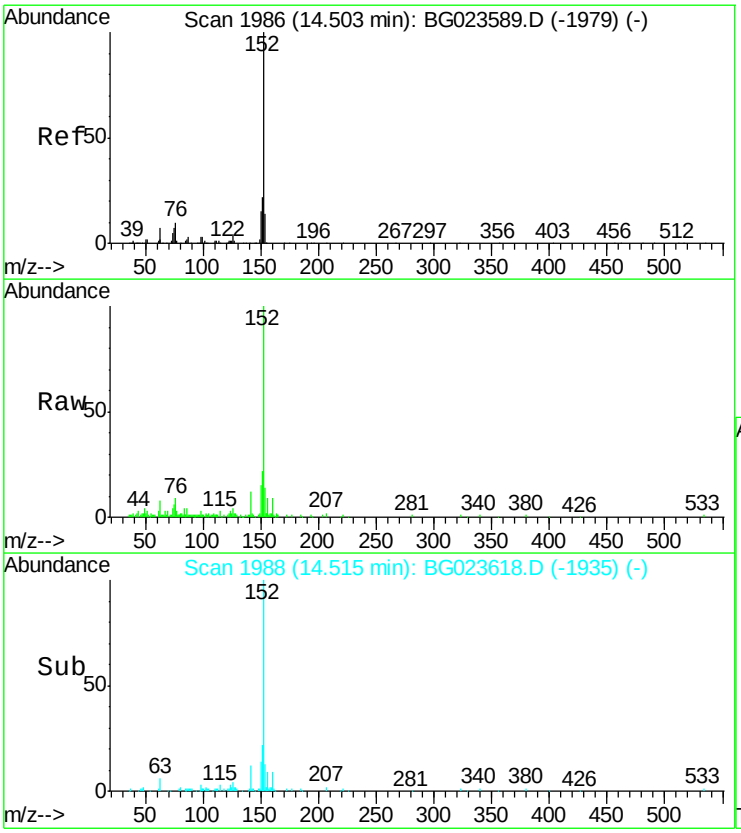

#44
Dimethylphthalate
Concen: 14.43 ng/ul
RT: 14.23 min Scan# 1939
Delta R.T. 0.01 min
Lab File: BG023618.D
Acq: 11 Aug 2016 7:38

**Instrument :**
BNA_G
**ClientSampleId :**
P002-SS001-1218-01MSD

Tgt Ion:163 Resp: 770465

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.3 | 3.4 | 5.2 |
| 164 | 10.8 | 8.8 | 13.2 |

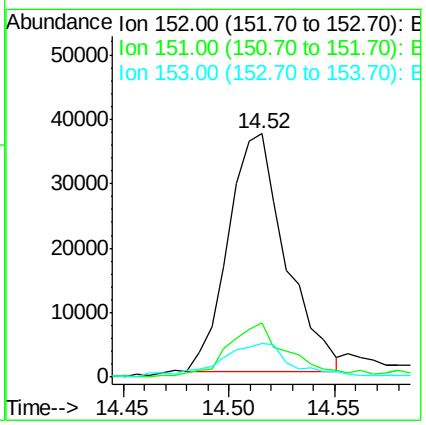


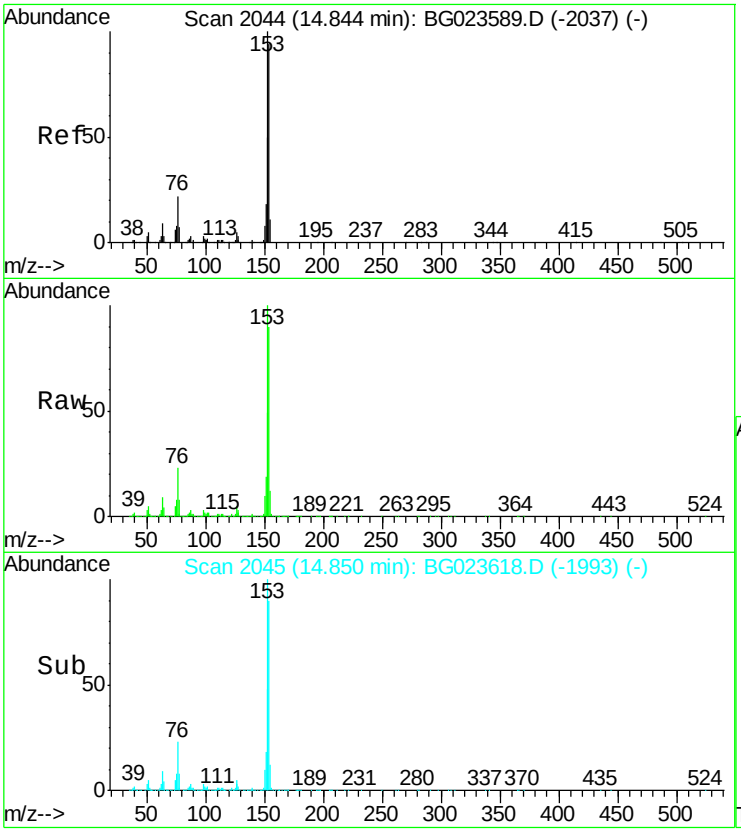




#47
Acenaphthylene
Concen: 1.10 ng/ul
RT: 14.52 min Scan# 1988
Delta R.T. 0.01 min
Lab File: BG023618.D
Acq: 11 Aug 2016 7:38

Tgt Ion:152 Resp: 70028

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 22.4 | 17.5 | 26.3 |
| 153 | 13.6 | 11.1 | 16.7 |



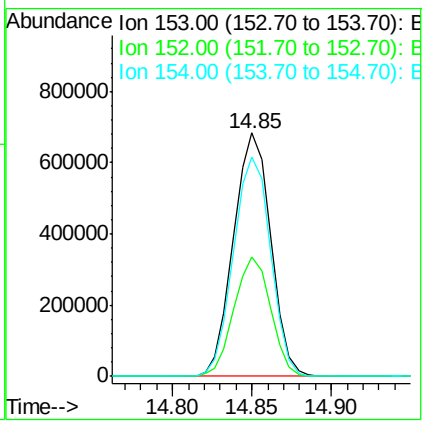


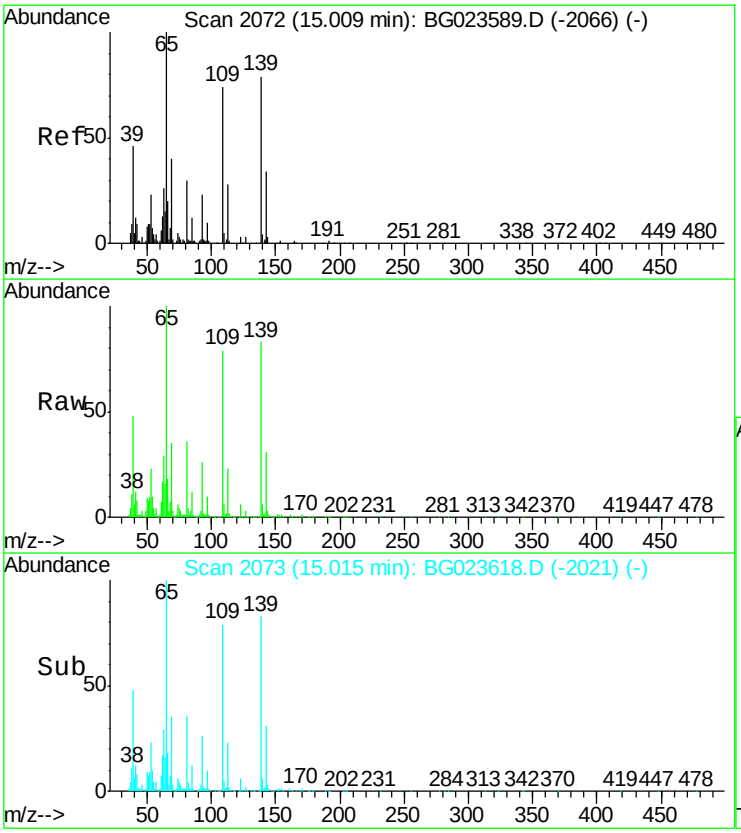

#49
Acenaphthene
Concen: 25.69 ng/ul
RT: 14.85 min Scan# 2045
Delta R.T. 0.01 min
Lab File: BG023618.D
Acq: 11 Aug 2016 7:38

**Instrument :**
BNA_G
**ClientSampleId :**
P002-SS001-1218-01MSD

Tgt Ion:153 Resp: 1111057

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 49.2 | 37.3 | 55.9 |
| 154 | 90.1 | 68.2 | 102.2 |

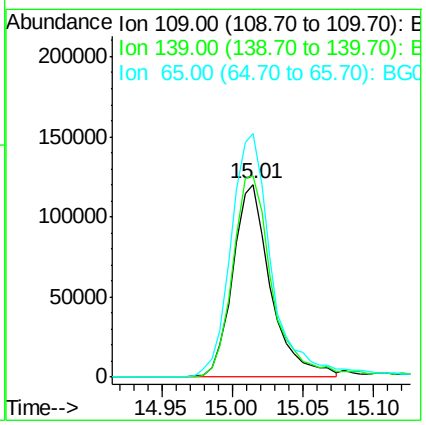


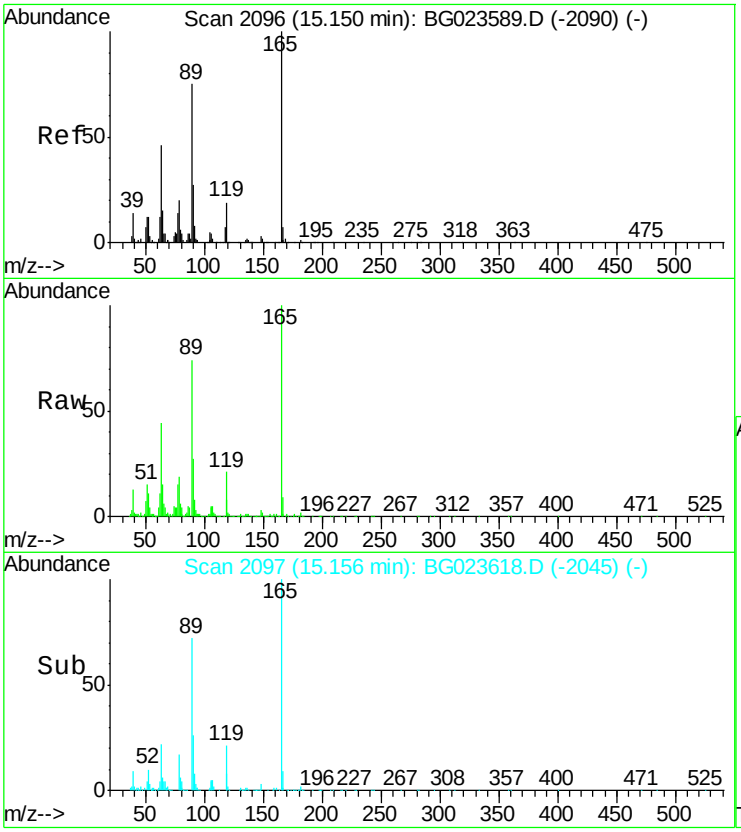




#52
4-Nitrophenol
Concen: 24.32 ng/ul
RT: 15.01 min Scan# 2073
Delta R.T. 0.01 min
Lab File: BG023618.D
Acq: 11 Aug 2016 7:38

Tgt Ion:109 Resp: 224223

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 109 | 100 | | |
| 139 | 104.7 | 136.1 | 204.1# |
| 65 | 126.5 | 106.0 | 159.0 |



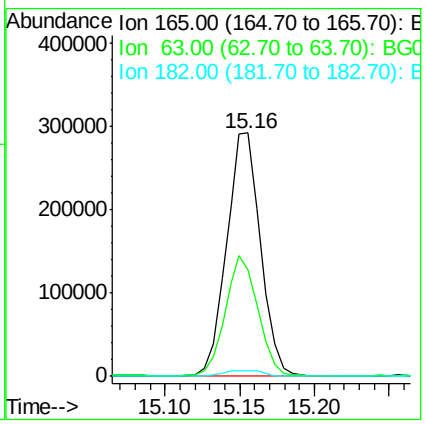


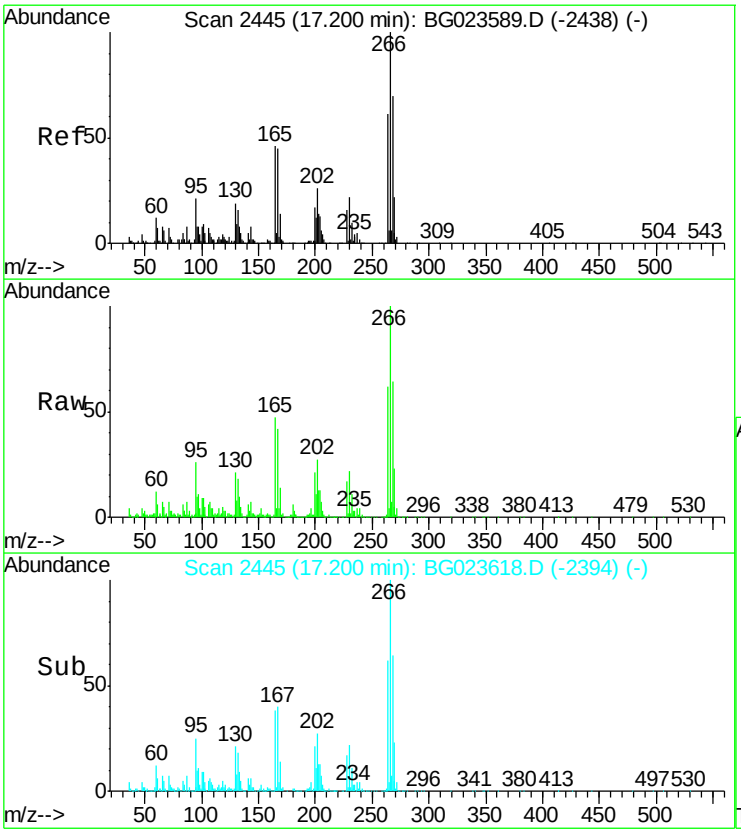

#54
2,4-Dinitrotoluene
Concen: 26.22 ng/ul
RT: 15.16 min Scan# 2097
Delta R.T. 0.01 min
Lab File: BG023618.D
Acq: 11 Aug 2016 7:38

**Instrument :**
BNA_G
**ClientSampleId :**
P002-SS001-1218-01MSD

Tgt Ion:165 Resp: 459926

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 43.7 | 25.7 | 38.5# |
| 182 | 2.4 | 2.1 | 3.1 |

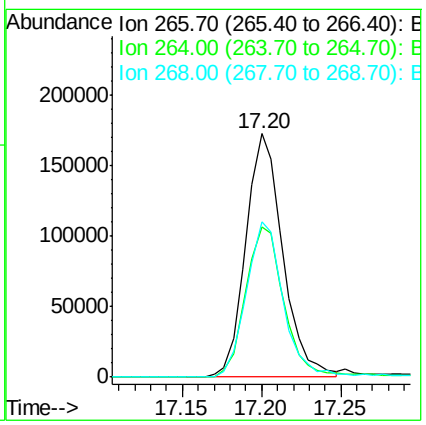


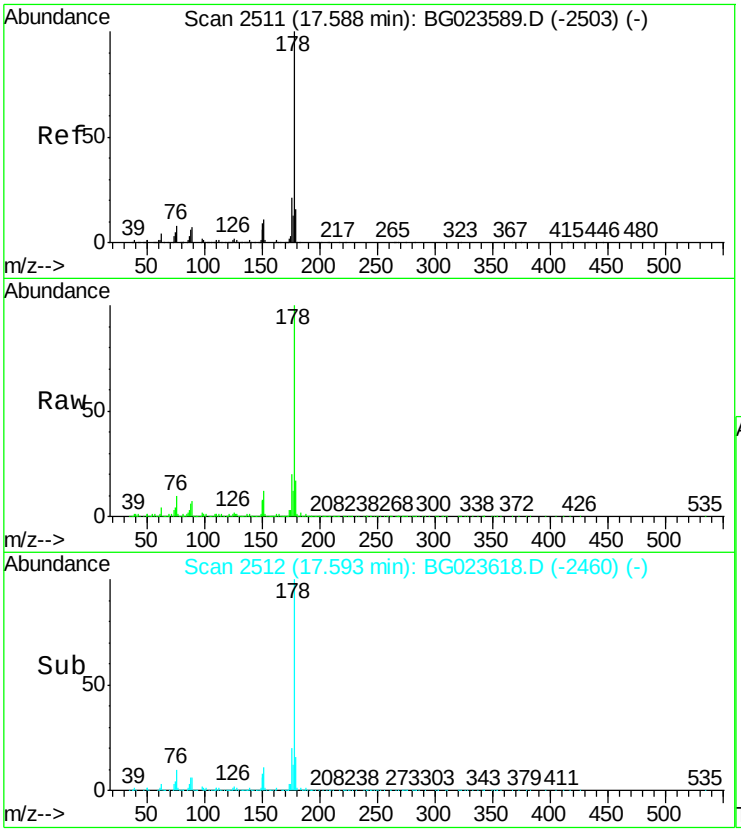




#68
Pentachlorophenol
Concen: 30.04 ng/ul
RT: 17.20 min Scan# 2445
Delta R.T. 0.00 min
Lab File: BG023618.D
Acq: 11 Aug 2016 7:38

Tgt Ion:266 Resp: 280152

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 61.7 | 54.7 | 82.1 |
| 268 | 63.5 | 57.8 | 86.8 |



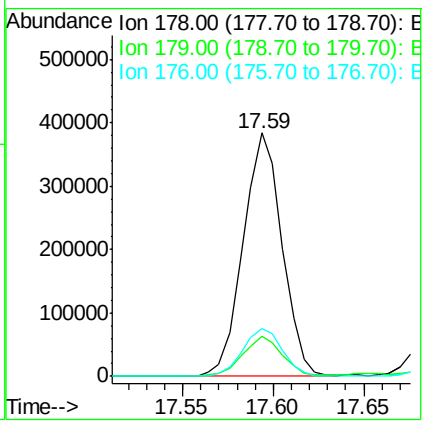


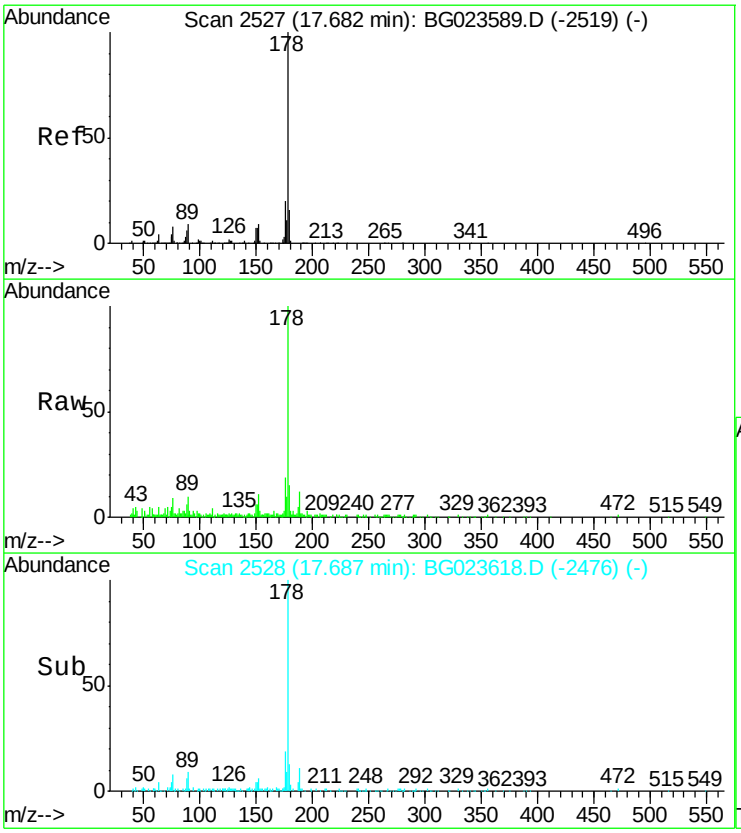

#69
Phenanthrene
Concen: 7.94 ng/ul
RT: 17.59 min Scan# 2512
Delta R.T. 0.01 min
Lab File: BG023618.D
Acq: 11 Aug 2016 7:38

**Instrument :**
BNA_G
**ClientSampleId :**
P002-SS001-1218-01MSD

Tgt Ion:178 Resp: 568735

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.6 | 12.9 | 19.3 |
| 176 | 19.7 | 15.8 | 23.8 |

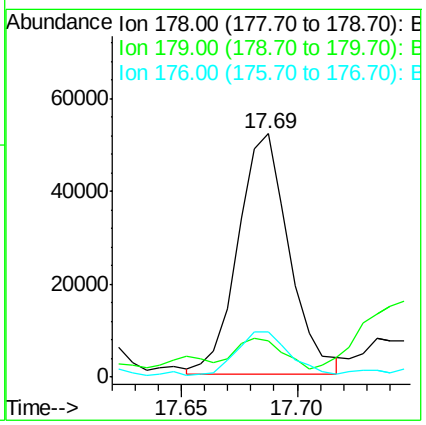


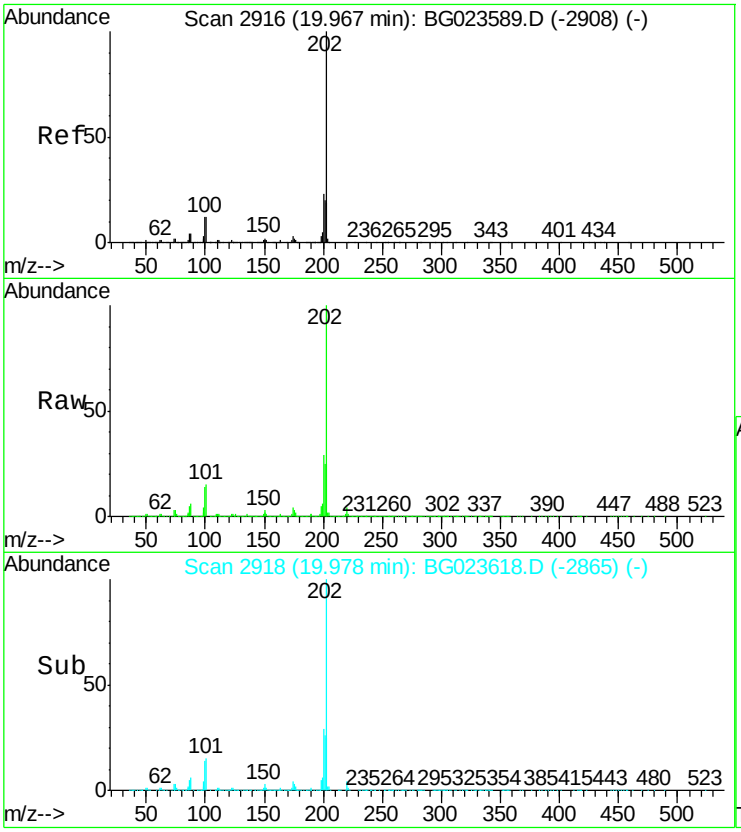




#71
Anthracene
Concen: 1.09 ng/ul
RT: 17.69 min Scan# 2528
Delta R.T. 0.01 min
Lab File: BG023618.D
Acq: 11 Aug 2016 7:38

Tgt Ion:178 Resp: 79829

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 14.8 | 12.3 | 18.5 |
| 176 | 18.7 | 16.3 | 24.5 |



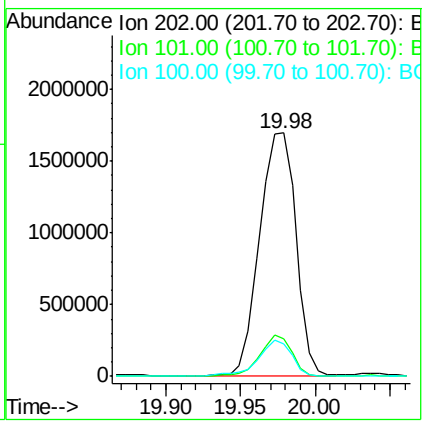


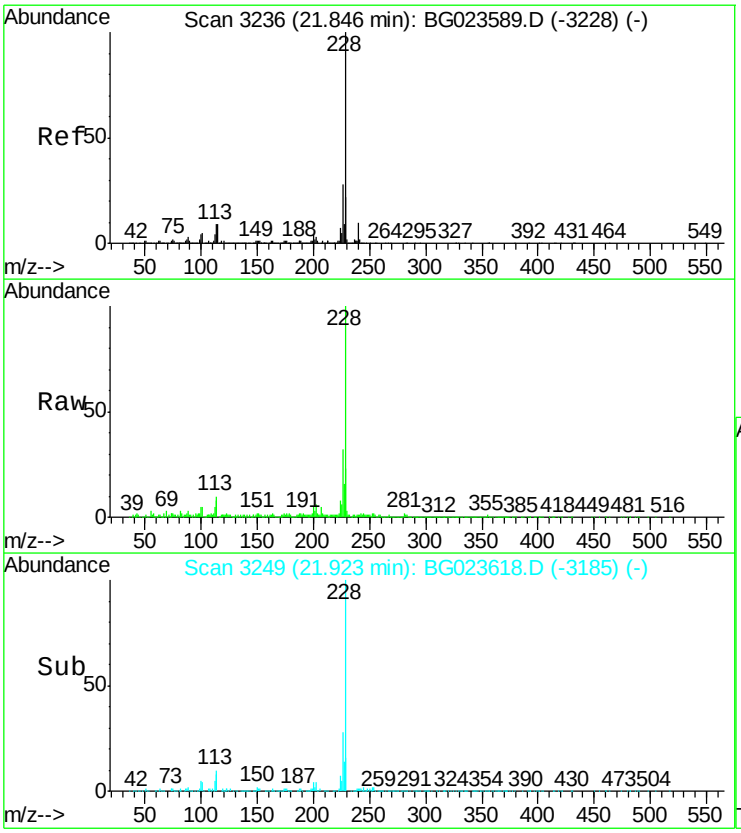

#77
Pyrene
Concen: 35.63 ng/ul
RT: 19.98 min Scan# 2918
Delta R.T. 0.01 min
Lab File: BG023618.D
Acq: 11 Aug 2016 7:38

**Instrument :**
BNA_G
**ClientSampleId :**
P002-SS001-1218-01MSD

Tgt Ion:202 Resp: 2868558

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 15.4 | 12.5 | 18.7 |
| 100 | 13.6 | 10.2 | 15.4 |

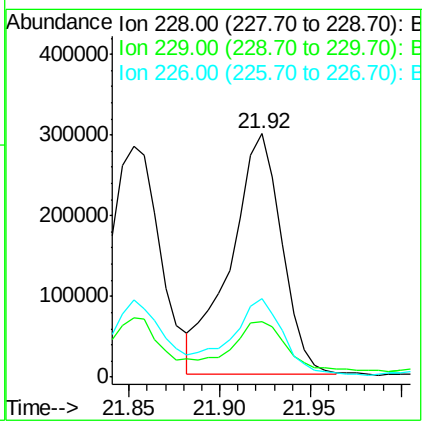


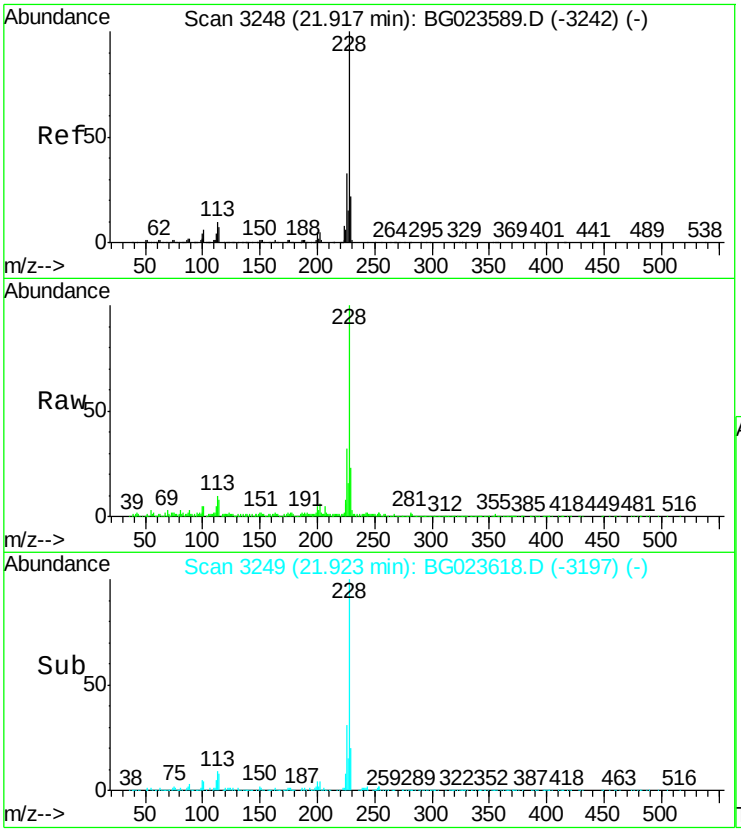




#80
Benzo(a)anthracene
Concen: 7.98 ng/ul
RT: 21.92 min Scan# 3249
Delta R.T. 0.08 min
Lab File: BG023618.D
Acq: 11 Aug 2016 7:38

Tgt Ion:228 Resp: 585211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 22.7 | 15.4 | 23.2 |
| 226 | 32.2 | 22.8 | 34.2 |



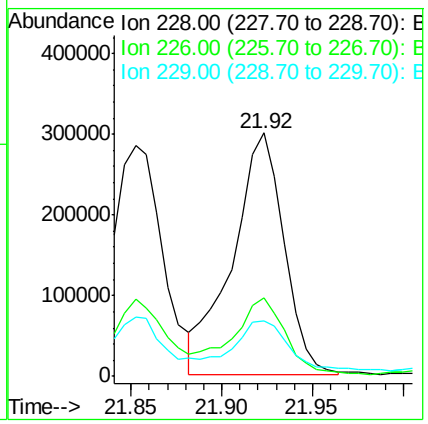


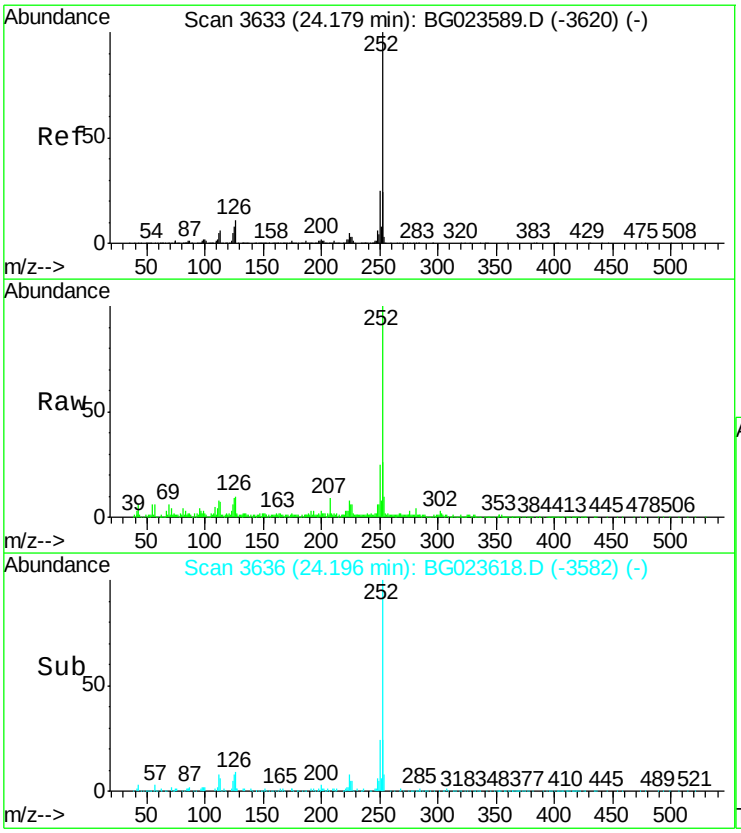

#82
Chrysene
Concen: 8.87 ng/ul
RT: 21.92 min Scan# 3249
Delta R.T. 0.01 min
Lab File: BG023618.D
Acq: 11 Aug 2016 7:38

**Instrument :**
BNA_G
**ClientSampleId :**
P002-SS001-1218-01MSD

Tgt Ion:228 Resp: 591706

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 32.2 | 24.2 | 36.4 |
| 229 | 22.7 | 15.0 | 22.6# |

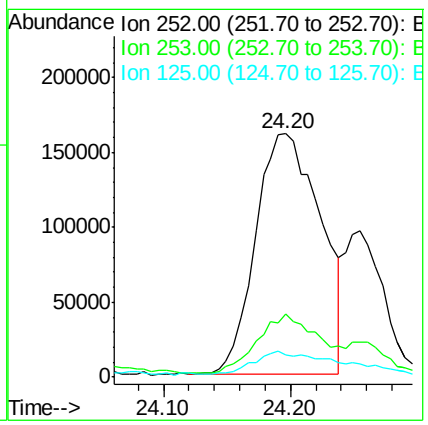


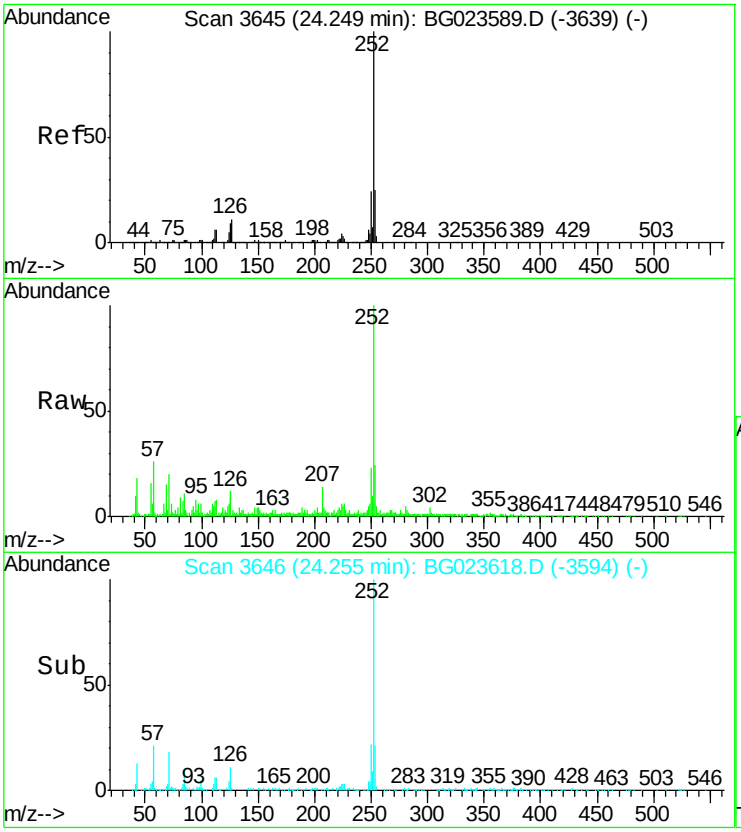




#85
Benzo(b)fluoranthene
Concen: 7.50 ng/ul
RT: 24.20 min Scan# 3636
Delta R.T. 0.02 min
Lab File: BG023618.D
Acq: 11 Aug 2016 7:38

Tgt Ion:252 Resp: 574643

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.7 | 18.2 | 27.2 |
| 125 | 9.0 | 10.8 | 16.2# |



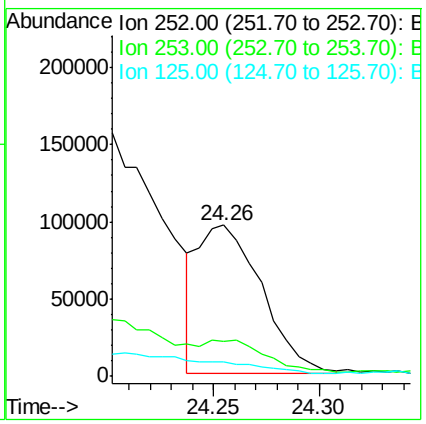


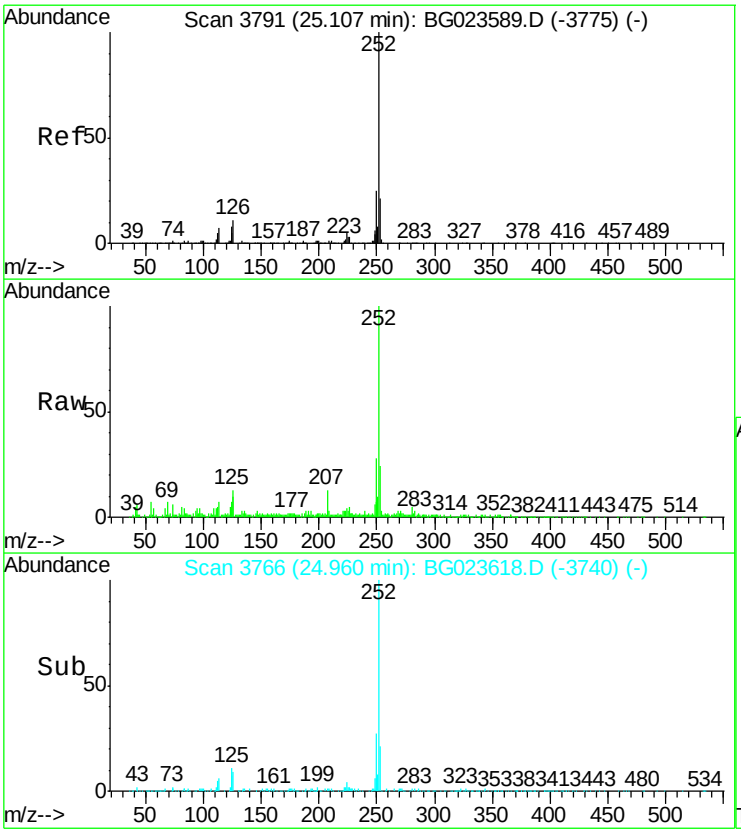

#86
Benzo(k)fluoranthene
Concen: 2.63 ng/ul
RT: 24.26 min Scan# 3646
Delta R.T. 0.01 min
Lab File: BG023618.D
Acq: 11 Aug 2016 7:38

**Instrument :**
BNA_G
**ClientSampleId :**
P002-SS001-1218-01MSD

Tgt Ion:252 Resp: 198343

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.5 | 15.8 | 23.6 |
| 125 | 9.3 | 10.6 | 16.0# |

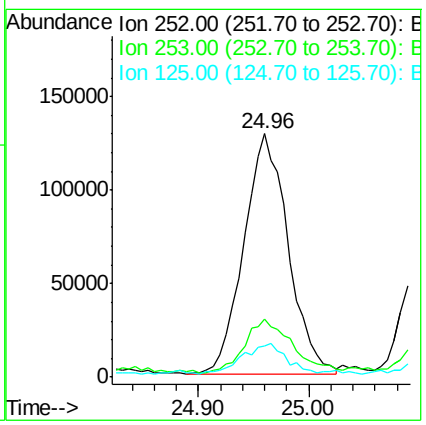


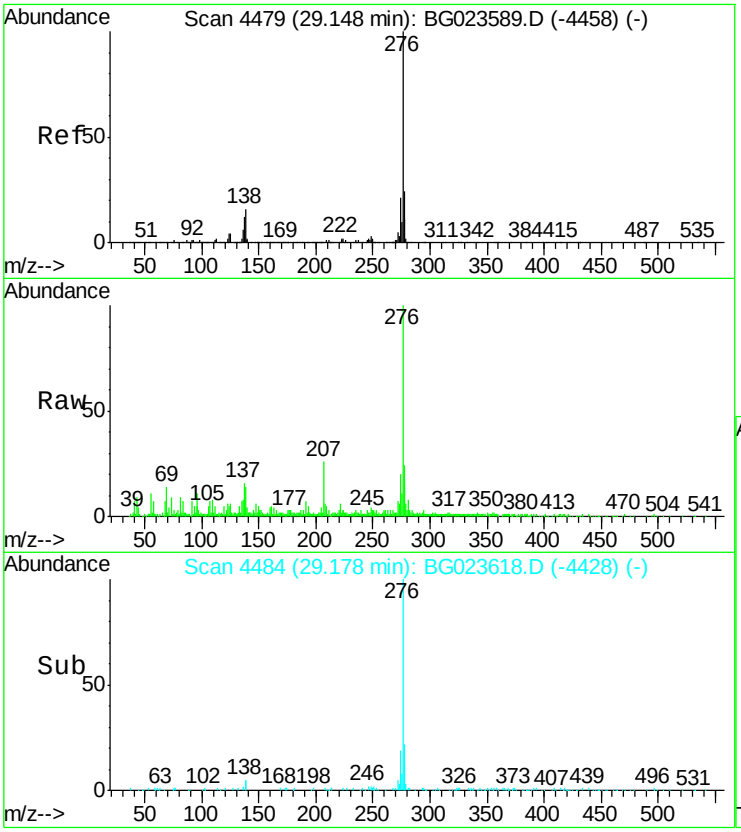




#88
Benzo(a)pyrene
Concen: 4.86 ng/ul
RT: 24.96 min Scan# 3766
Delta R.T. -0.15 min
Lab File: BG023618.D
Acq: 11 Aug 2016 7:38

Tgt Ion:252 Resp: 359498

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.9 | 19.0 | 28.4 |
| 125 | 12.7 | 12.0 | 18.0 |



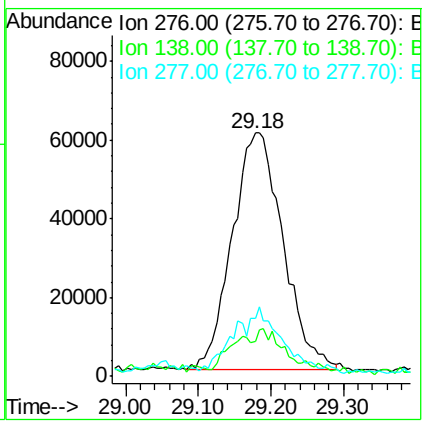


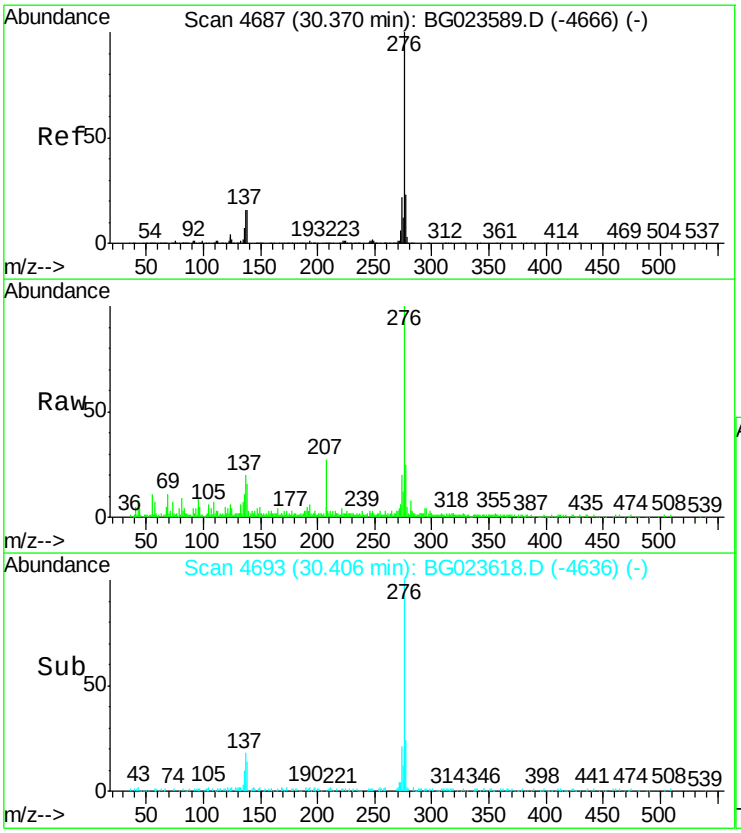

#89
Indeno(1,2,3-cd)pyrene
Concen: 3.38 ng/ul
RT: 29.18 min Scan# 4484
Delta R.T. 0.03 min
Lab File: BG023618.D
Acq: 11 Aug 2016 7:38

**Instrument :**
BNA_G
**ClientSampleId :**
P002-SS001-1218-01MSD

Tgt Ion:276 Resp: 293465

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 14.3 | 20.8 | 31.2# |
| 277 | 23.8 | 17.6 | 26.4 |




#91
Benzo(g,h,i)perylene
Concen: 2.81 ng/ul
RT: 30.41 min Scan# 4693
Delta R.T. 0.04 min
Lab File: BG023618.D
Acq: 11 Aug 2016 7:38

Tgt Ion:276 Resp: 202829

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 15.9 | 22.1 | 33.1# |
| 277 | 25.3 | 17.0 | 25.4 |