Quantitation Report (Not Reviewed)

Data Path : U:\HPCHEM1\BNA G\DATA\BG082217\
Data File : BG028422.D
Acq On : 22 Aug 2017 17:18
Operator : SJ/JU
Sample : I4713-06MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** E7GB4MSD

Quant Time: Aug 23 03:47:14 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 23 02:58:29 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.34 | 152 | 40295 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 11.16 | 136 | 186495 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.95 | 164 | 137441 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.80 | 188 | 338829 | 20.00 | ng/ul | 0.10 |
| 75) Chrysene-d12 | 22.03 | 240 | 346629 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 25.54 | 264 | 335975 | 20.00 | ng/ul | 0.02 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.83 | 96 | 2898 | 3.35 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.50 | 99 | 72641 | 16.41 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.65 | 67 | 49170 | 17.54 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.88 | 132 | 55204 | 19.77 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 9.04 | 113 | 43946 | 11.88 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.51 | 128 | 31153 | 21.36 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 10.24 | 143 | 37090 | 23.20 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.78 | 165 | 68187 | 20.61 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 11.30 | 131 | 51410 | 13.96 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 14.34 | 166 | 259991 | 21.27 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.65 | 160 | 309661 | 22.47 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 15.15 | 143 | 27516 | 14.16 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.94 | 176 | 230166 | 20.99 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 16.12 | 200 | 155 | 0.07 | ng/ul | 0.06 |
| 70) Anthracene-d10 | 17.80 | 188 | 338829 | 20.85 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 20.07 | 212 | 417617 | 23.49 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 25.29 | 264 | 382312 | 24.31 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 6) Phenol | 7.52 | 94 | 80753 | 18.361 | ng/ul | 92 |
| 10) 2-Chlorophenol | 7.91 | 128 | 54176 | 19.913 | ng/ul | 100 |
| 15) N-Nitroso-di-n-propylamine | 9.13 | 70 | 45827 | 15.286 | ng/ul# | 82 |
| 33) 4-Chloro-3-methylphenol | 12.42 | 107 | 83917 | 21.831 | ng/ul | 98 |
| 44) Dimethylphthalate | 14.39 | 163 | 125363 | 11.138 | ng/ul | 98 |
| 49) Acenaphthene | 15.02 | 153 | 166882 | 18.778 | ng/ul | 96 |
| 52) 4-Nitrophenol | 15.16 | 109 | 37573 | 18.657 | ng/ul | 95 |
| 54) 2,4-Dinitrotoluene | 15.30 | 165 | 61725 | 17.526 | ng/ul# | 93 |
| 67) Atrazine | 17.35 | 200 | 9428 | 2.426 | ng/ul# | 35 |
| 68) Pentachlorophenol | 17.35 | 266 | 45617 | 23.230 | ng/ul | 90 |
| 74) Fluoranthene | 20.10 | 202 | 418946 | 20.216 | ng/ul | 98 |
| 77) Pyrene | 20.10 | 202 | 420452 | 20.331 | ng/ul | 98 |
| 82) Chrysene | 22.08 | 228 | 24601 | 1.364 | ng/ul# | 93 |
| 85) Benzo(b)fluoranthene | 24.42 | 252 | 43848 | 2.181 | ng/ul# | 78 |
| 88) Benzo(a)pyrene | 25.36 | 252 | 23049 | 1.184 | ng/ul# | 88 |
| 91) Benzo(g,h,i)perylene | 30.81 | 276 | 26901 | 1.434 | ng/ul# | 89 |

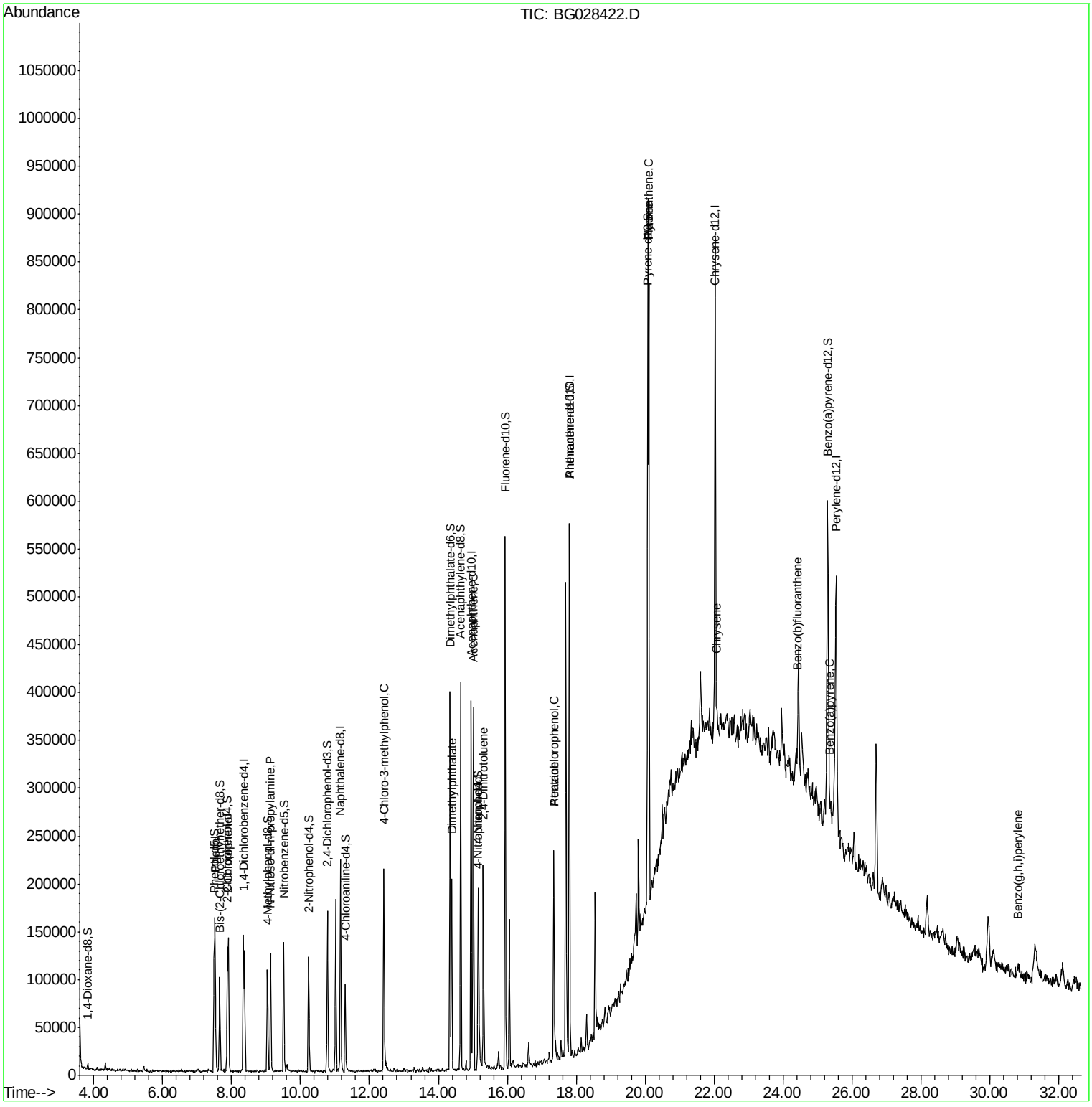
(#) = qualifier out of range (m) = manual integration (+) = signals summed

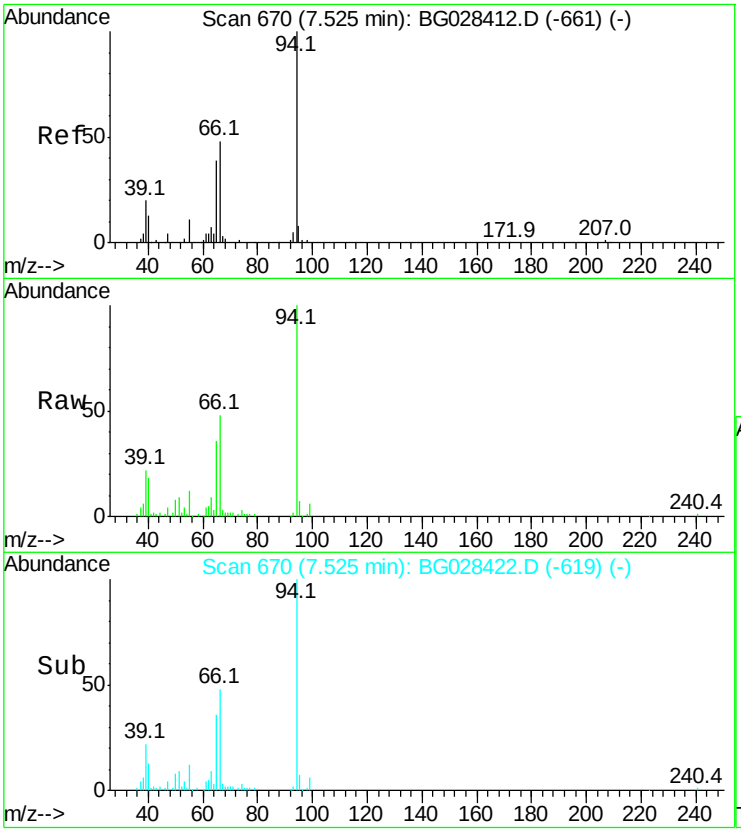
Quantitation Report (Not Reviewed)

Data Path : U:\HPCHEM1\BNA G\DATA\BG082217\
Data File : BG028422.D
Acq On : 22 Aug 2017 17:18
Operator : SJ/JU
Sample : I4713-06MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
E7GB4MSD

Quant Time: Aug 23 03:47:14 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 23 02:58:29 2017
Response via : Initial Calibration



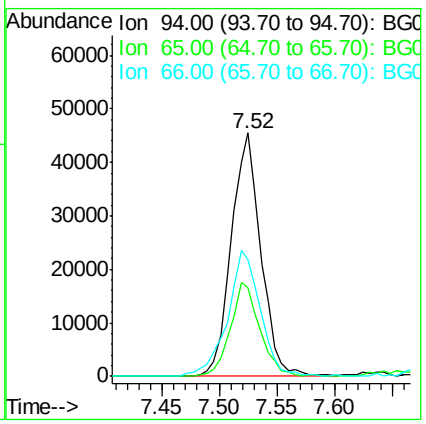


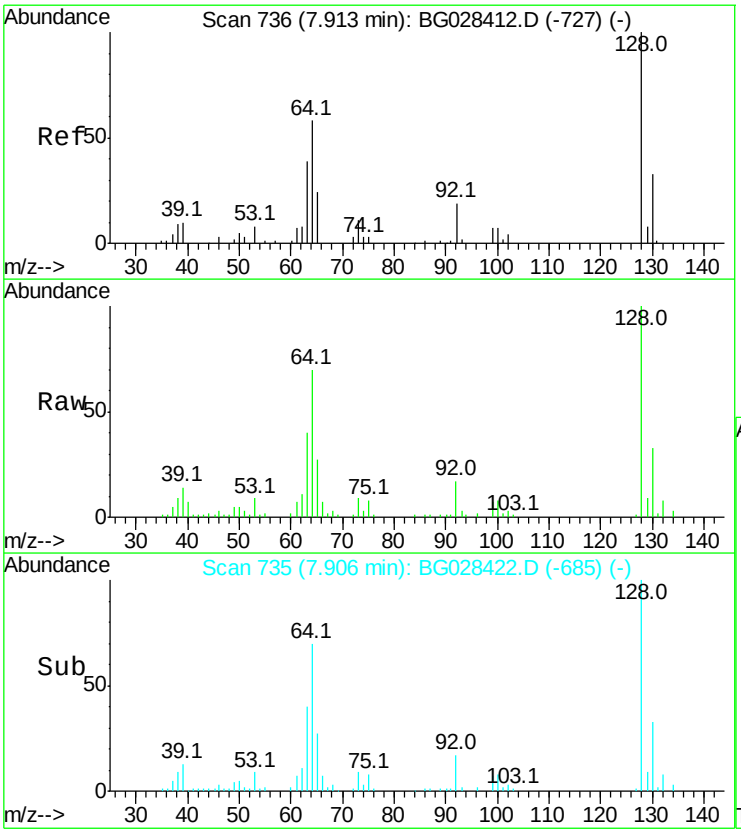

#6
Phenol
Concen: 18.361 ng/ul
RT: 7.52 min Scan# 670
Delta R.T. -0.00 min
Lab File: BG028422.D
Acq: 22 Aug 2017 17:18

**Instrument :**
BNA_G
**ClientSampleId :**
E7GB4MSD

Tgt Ion: 94 Resp: 80753

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 36.5 | 26.8 | 40.2 |
| 66 | 48.2 | 44.4 | 66.6 |

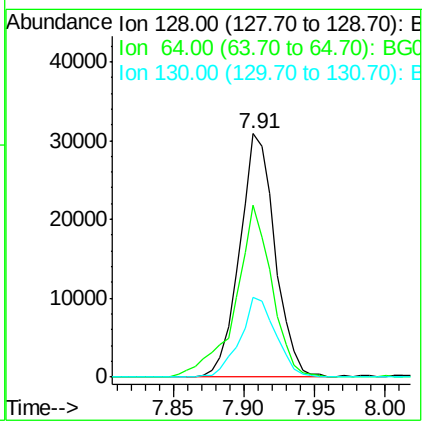


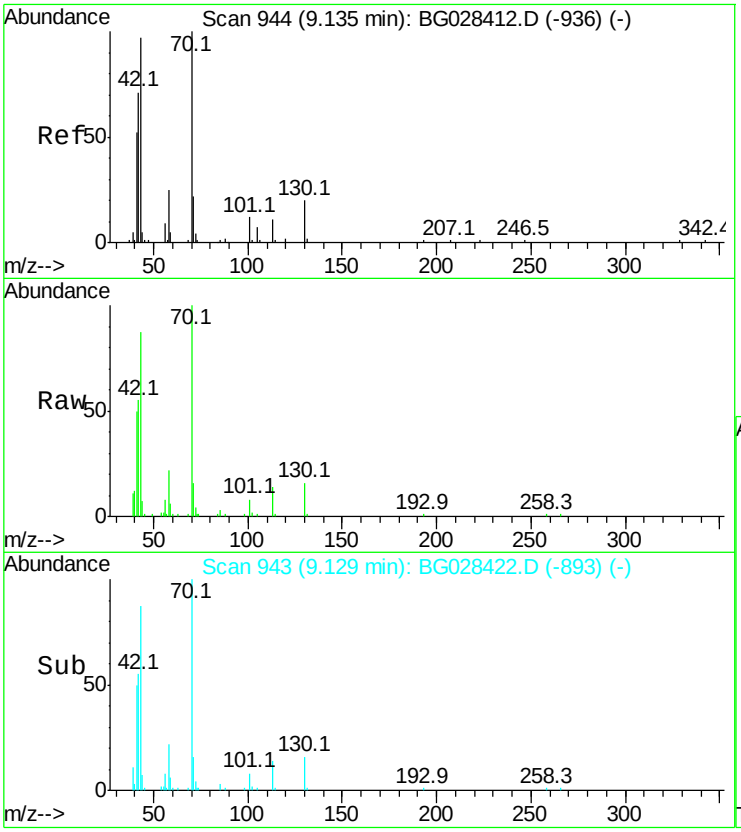




#10
2-Chlorophenol
Concen: 19.913 ng/ul
RT: 7.91 min Scan# 735
Delta R.T. -0.01 min
Lab File: BG028422.D
Acq: 22 Aug 2017 17:18

Tgt Ion:128 Resp: 54176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 64 | 70.4 | 56.3 | 84.5 |
| 130 | 32.9 | 26.7 | 40.1 |



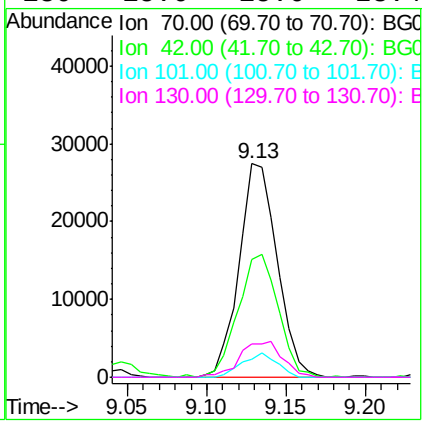


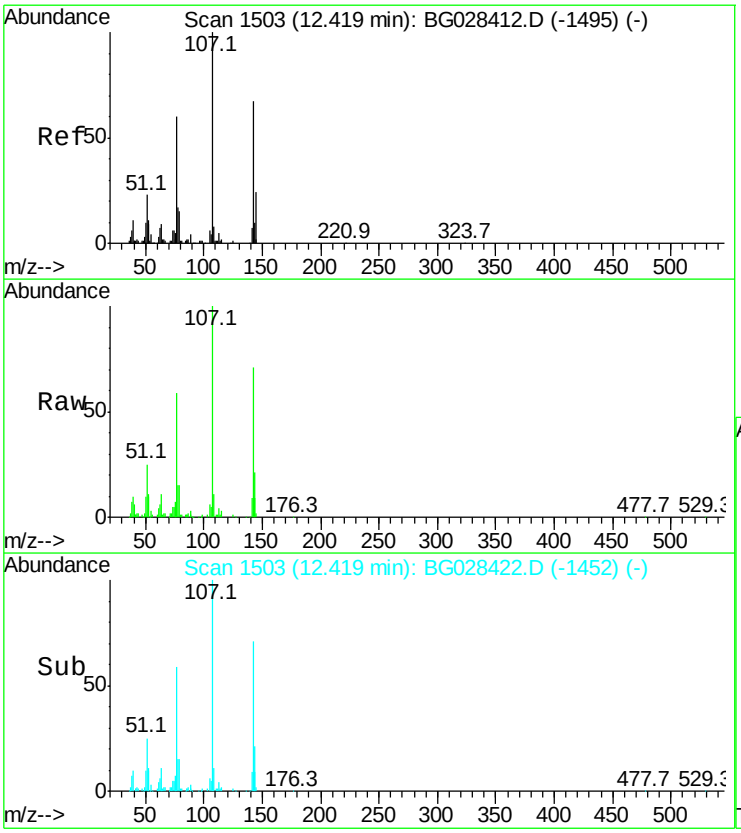

#15
N-Nitroso-di-n-propylamine
Concen: 15.286 ng/ul
RT: 9.13 min Scan# 943
Delta R.T. -0.01 min
Lab File: BG028422.D
Acq: 22 Aug 2017 17:18

**Instrument :**
BNA_G
**ClientSampleId :**
E7GB4MSD

Tgt Ion: 70 Resp: 45827

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 55.2 | 59.0 | 88.6# |
| 101 | 8.4 | 6.6 | 9.8 |
| 130 | 15.6 | 15.6 | 23.4 |

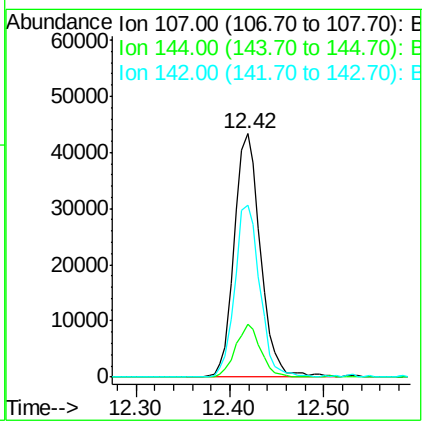


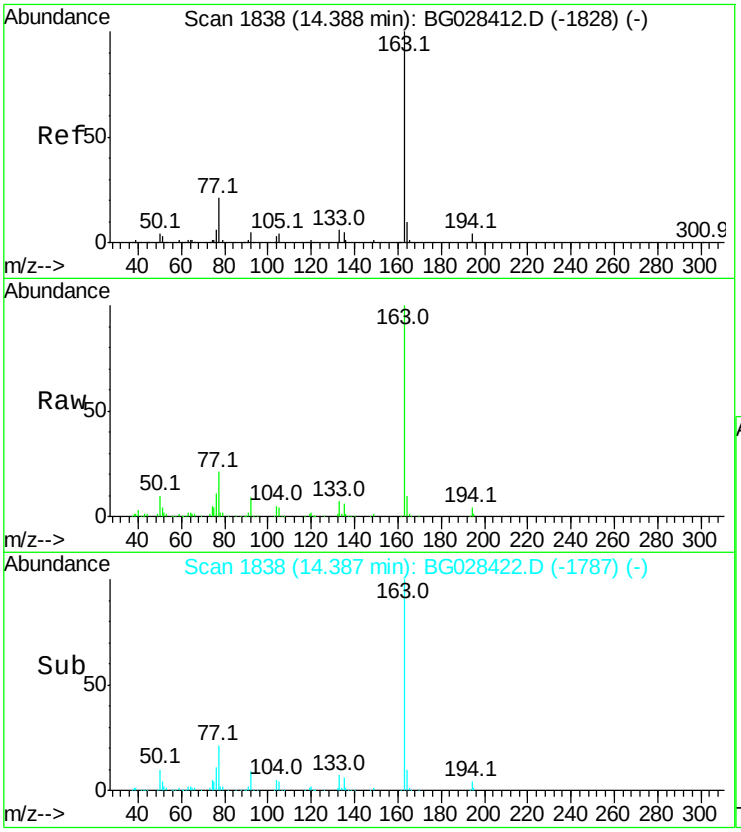




#33
4-Chloro-3-methylphenol
Concen: 21.831 ng/ul
RT: 12.42 min Scan# 1503
Delta R.T. -0.00 min
Lab File: BG028422.D
Acq: 22 Aug 2017 17:18

Tgt Ion:107 Resp: 83917

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 144 | 21.5 | 18.2 | 27.4 |
| 142 | 70.6 | 55.0 | 82.4 |



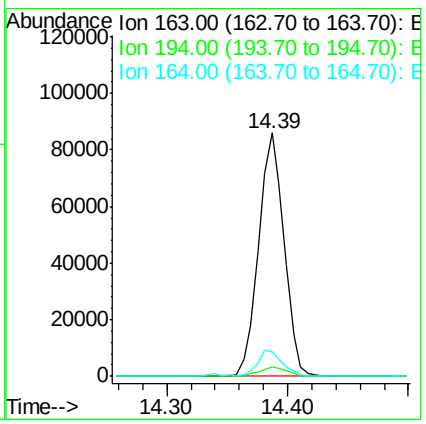


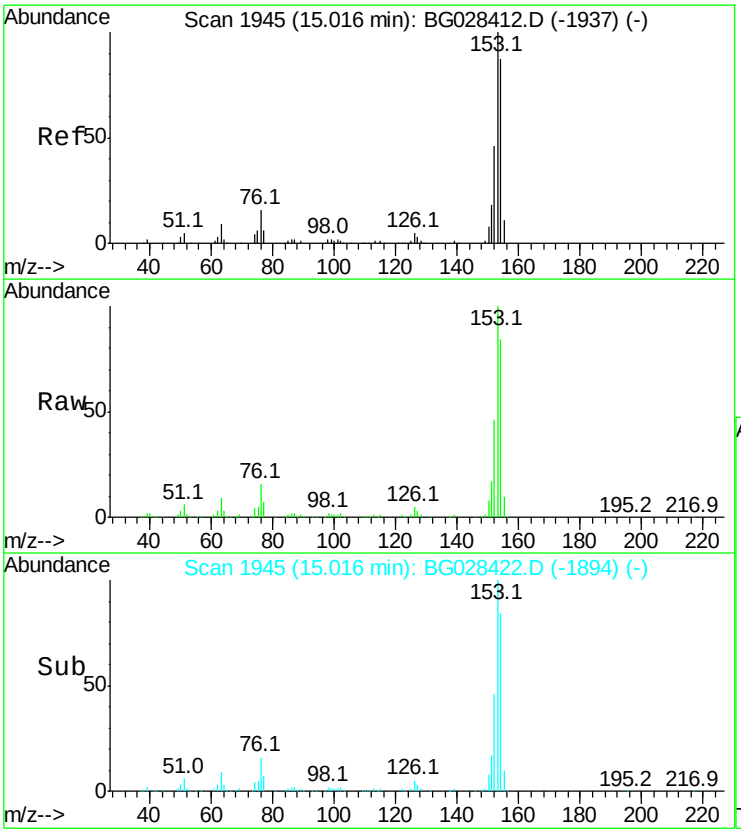

#44
Dimethylphthalate
Concen: 11.138 ng/ul
RT: 14.39 min Scan# 1838
Delta R.T. -0.00 min
Lab File: BG028422.D
Acq: 22 Aug 2017 17:18

**Instrument :**
BNA_G
**ClientSampleId :**
E7GB4MSD

Tgt Ion:163 Resp: 125363

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.7 | 3.4 | 5.0 |
| 164 | 10.1 | 9.0 | 13.4 |

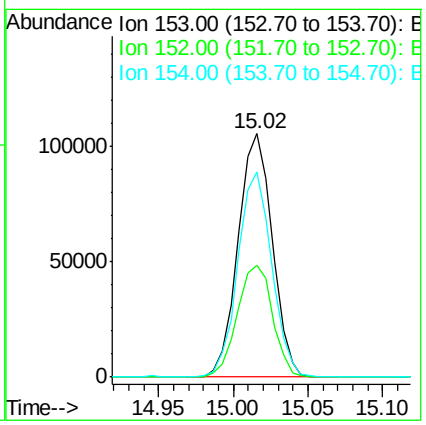


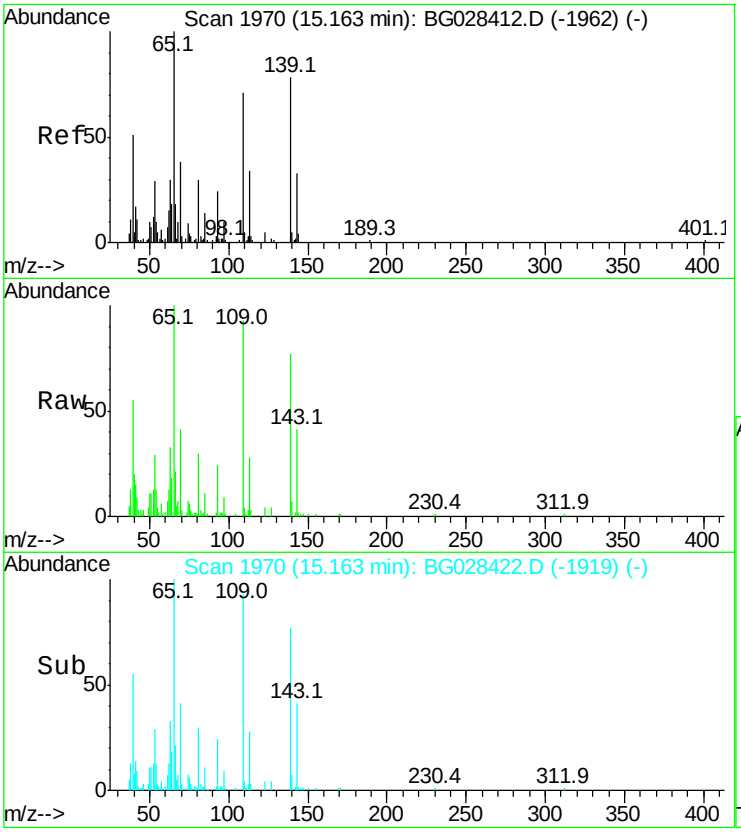




#49
Acenaphthene
Concen: 18.778 ng/ul
RT: 15.02 min Scan# 1945
Delta R.T. -0.00 min
Lab File: BG028422.D
Acq: 22 Aug 2017 17:18

Tgt Ion:153 Resp: 166882

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 46.0 | 36.5 | 54.7 |
| 154 | 84.4 | 72.3 | 108.5 |



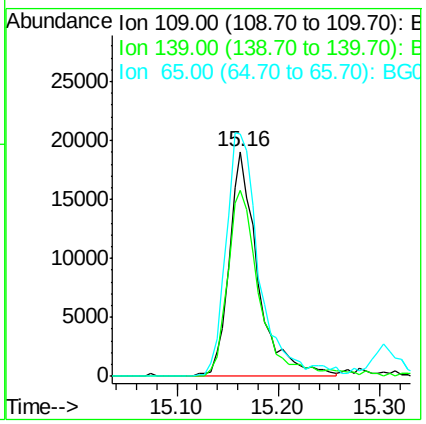


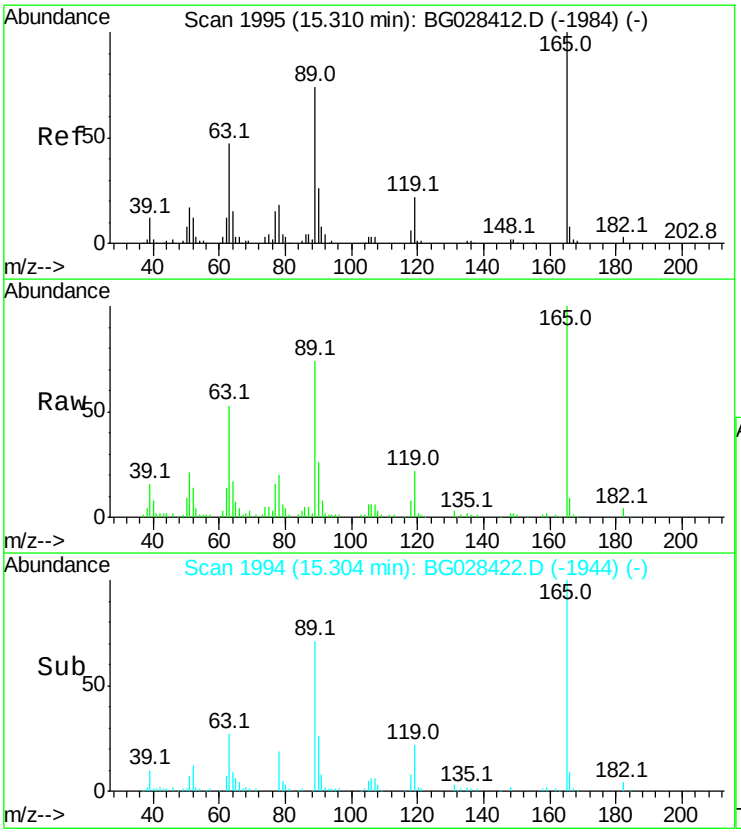

#52
4-Nitrophenol
Concen: 18.657 ng/ul
RT: 15.16 min Scan# 1970
Delta R.T. -0.00 min
Lab File: BG028422.D
Acq: 22 Aug 2017 17:18

**Instrument :**
BNA_G
**ClientSampleId :**
E7GB4MSD

Tgt Ion:109 Resp: 37573

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 109 | 100 | | |
| 139 | 82.8 | 62.6 | 93.8 |
| 65 | 107.5 | 90.4 | 135.6 |

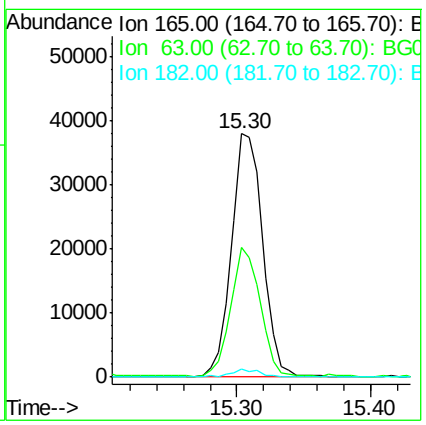


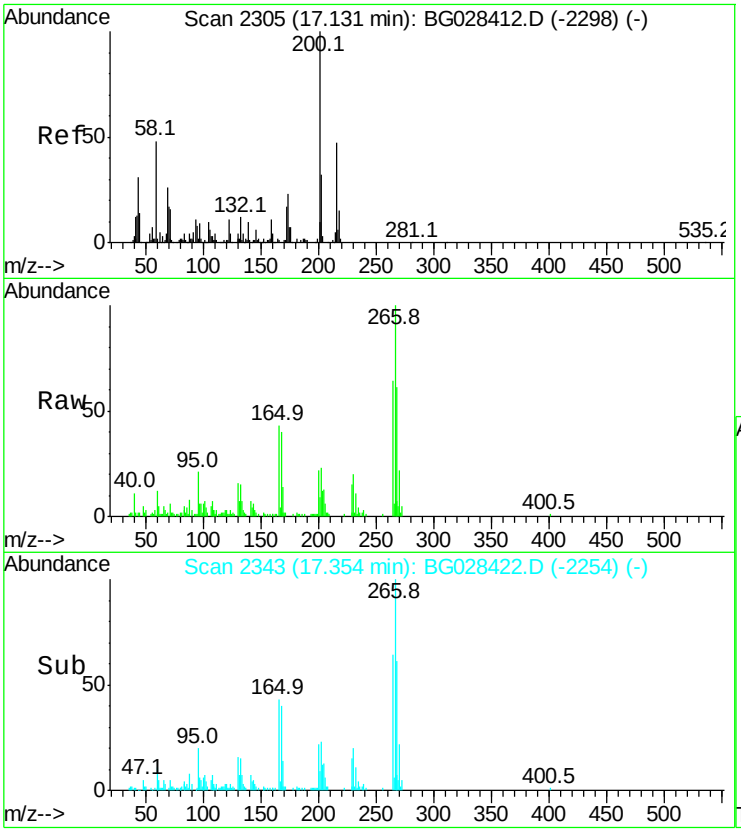




#54
2,4-Dinitrotoluene
Concen: 17.526 ng/ul
RT: 15.30 min Scan# 1994
Delta R.T. -0.01 min
Lab File: BG028422.D
Acq: 22 Aug 2017 17:18

Tgt Ion:165 Resp: 61725

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 53.1 | 46.8 | 70.2 |
| 182 | 3.6 | 1.8 | 2.6# |



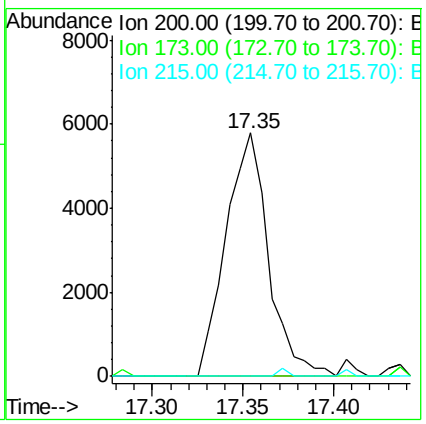


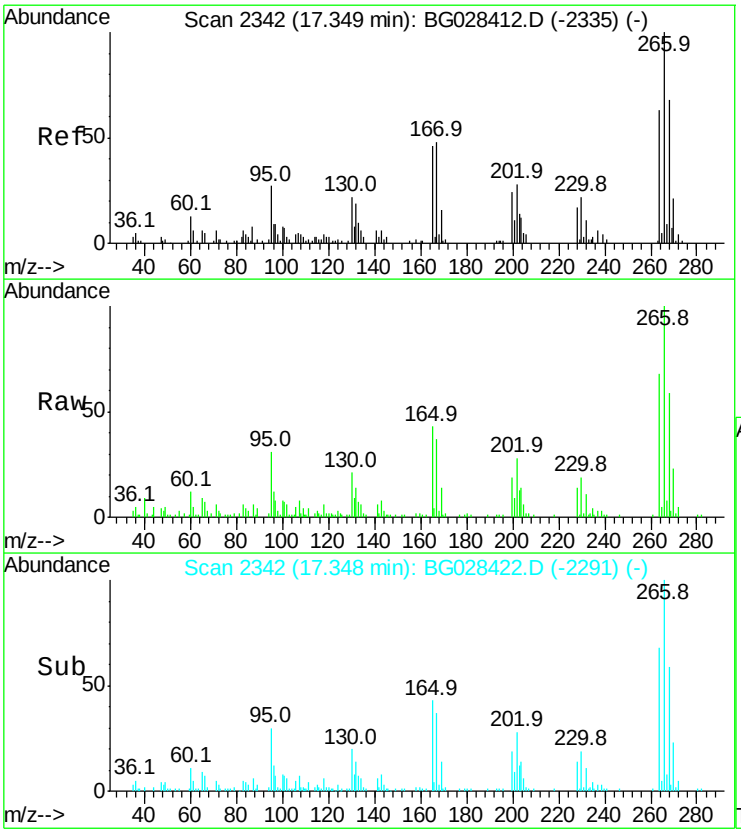

#67
Atrazine
Concen: 2.426 ng/ul
RT: 17.35 min Scan# 2343
Delta R.T. 0.22 min
Lab File: BG028422.D
Acq: 22 Aug 2017 17:18

**Instrument :**
BNA_G
**ClientSampleId :**
E7GB4MSD

Tgt Ion:200 Resp: 9428

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 0.0 | 19.2 | 28.8# |
| 215 | 0.0 | 40.3 | 60.5# |

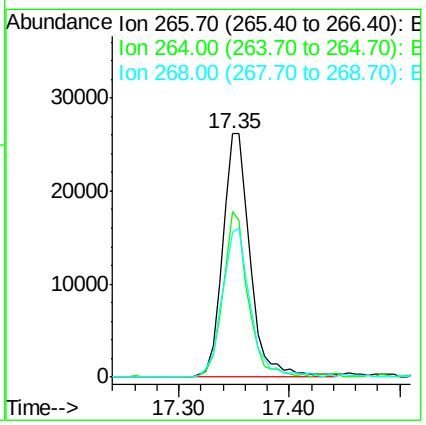


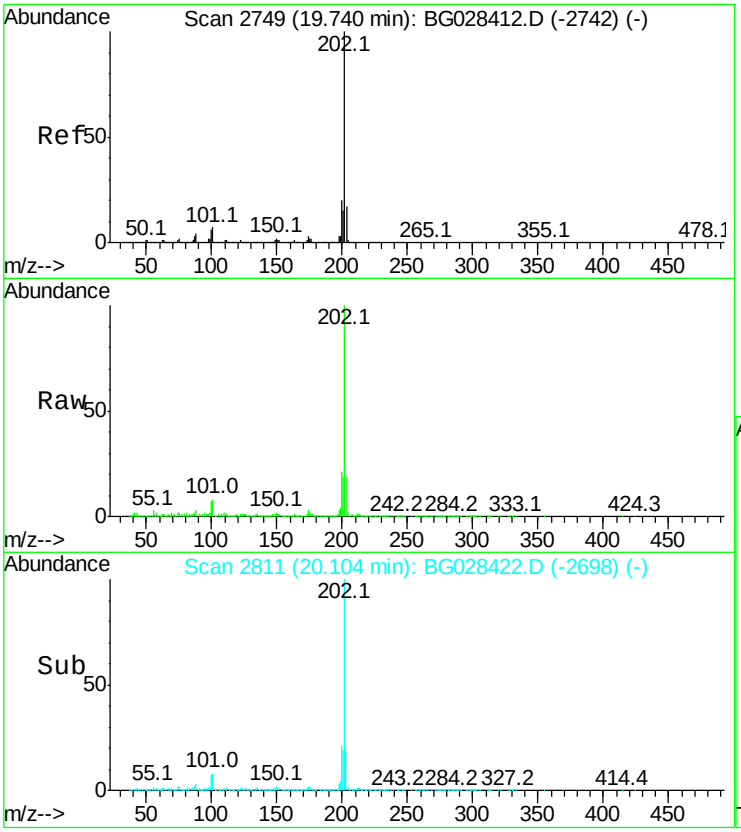




#68
Pentachlorophenol
Concen: 23.230 ng/ul
RT: 17.35 min Scan# 2342
Delta R.T. -0.00 min
Lab File: BG028422.D
Acq: 22 Aug 2017 17:18

Tgt Ion:266 Resp: 45617

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 67.8 | 47.1 | 70.7 |
| 268 | 62.8 | 56.2 | 84.4 |



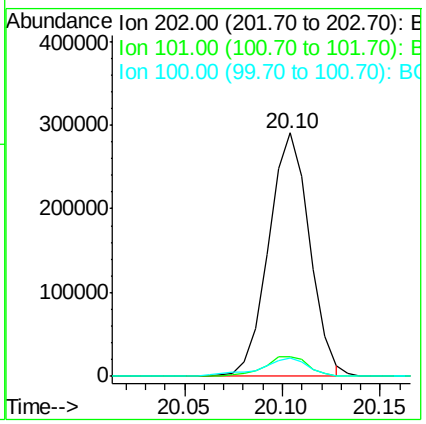


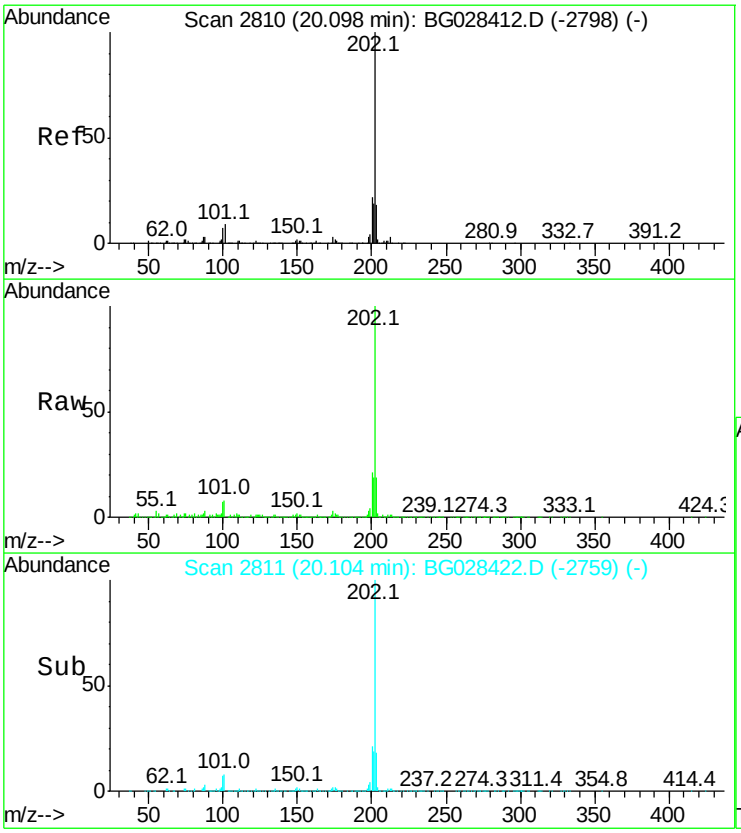

#74
Fluoranthene
Concen: 20.216 ng/ul
RT: 20.10 min Scan# 2811
Delta R.T. 0.36 min
Lab File: BG028422.D
Acq: 22 Aug 2017 17:18

**Instrument :**
BNA_G
**ClientSampleId :**
E7GB4MSD

Tgt Ion:202 Resp: 418946

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 8.0 | 6.2 | 9.2 |
| 100 | 7.4 | 5.2 | 7.8 |

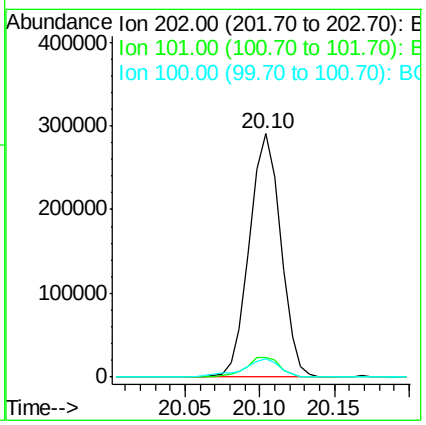


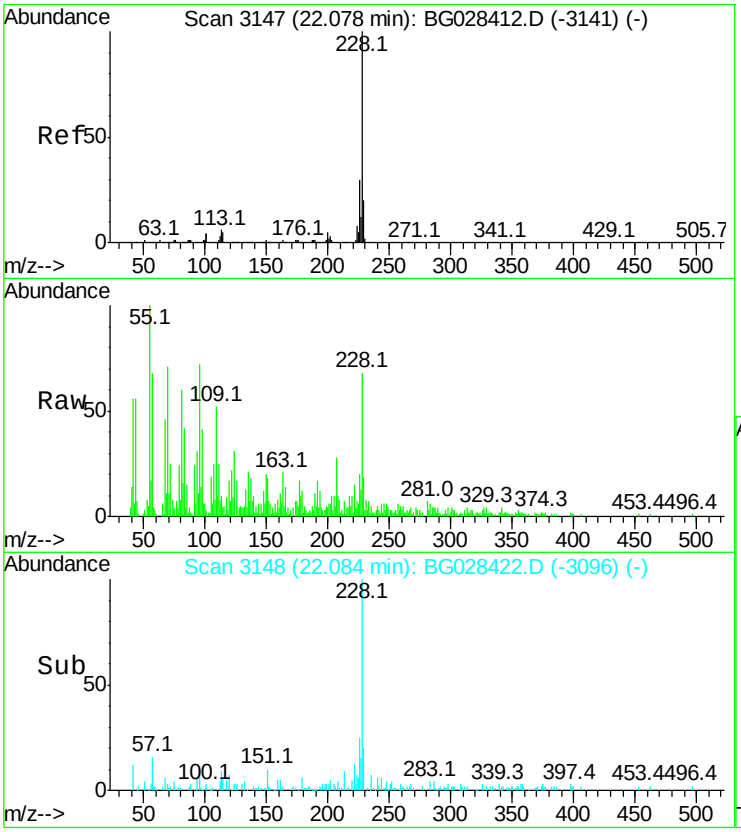




#77
Pyrene
Concen: 20.331 ng/ul
RT: 20.10 min Scan# 2811
Delta R.T. 0.01 min
Lab File: BG028422.D
Acq: 22 Aug 2017 17:18

Tgt Ion:202 Resp: 420452

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 8.0 | 6.9 | 10.3 |
| 100 | 7.4 | 6.6 | 10.0 |



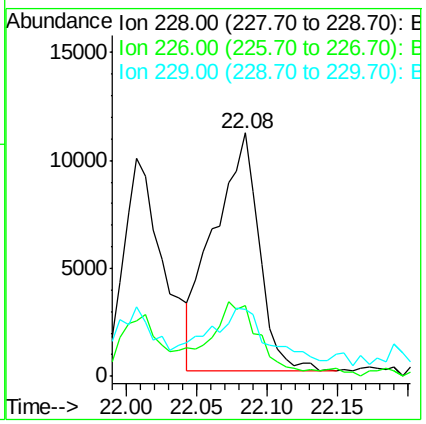


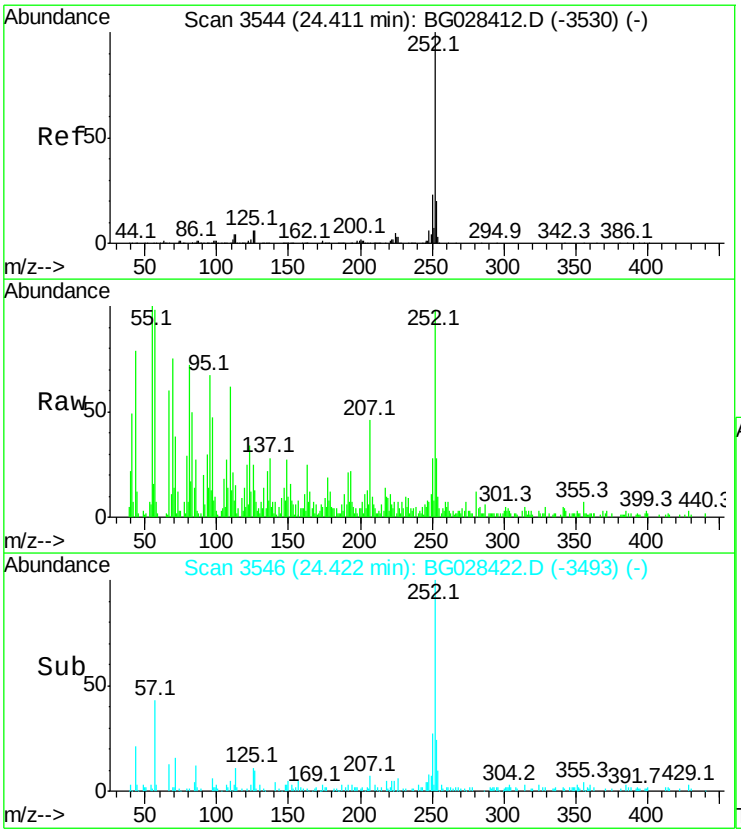

#82
Chrysene
Concen: 1.364 ng/ul
RT: 22.08 min Scan# 3148
Delta R.T. 0.01 min
Lab File: BG028422.D
Acq: 22 Aug 2017 17:18

**Instrument :**
BNA_G
**ClientSampleId :**
E7GB4MSD

Tgt Ion:228 Resp: 24601

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 28.9 | 24.0 | 36.0 |
| 229 | 27.5 | 16.9 | 25.3# |

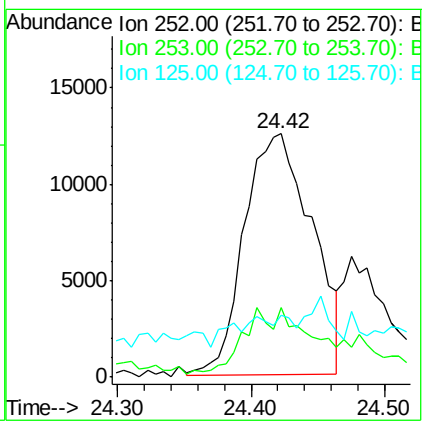


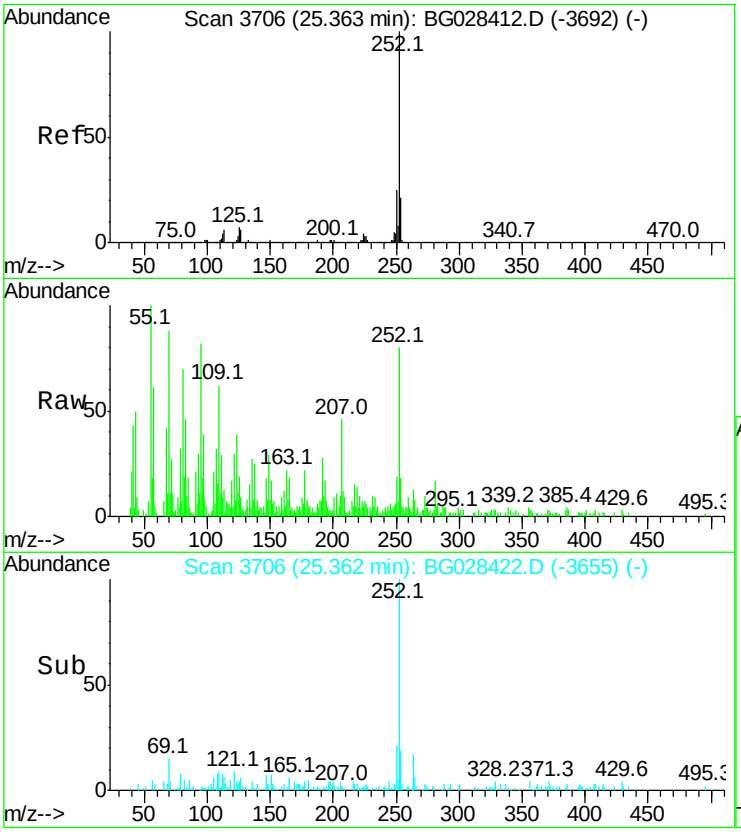




#85
Benzo(b)fluoranthene
Concen: 2.181 ng/ul
RT: 24.42 min Scan# 3546
Delta R.T. 0.01 min
Lab File: BG028422.D
Acq: 22 Aug 2017 17:18

Tgt Ion:252 Resp: 43848

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 28.4 | 17.7 | 26.5# |
| 125 | 25.6 | 4.0 | 6.0# |



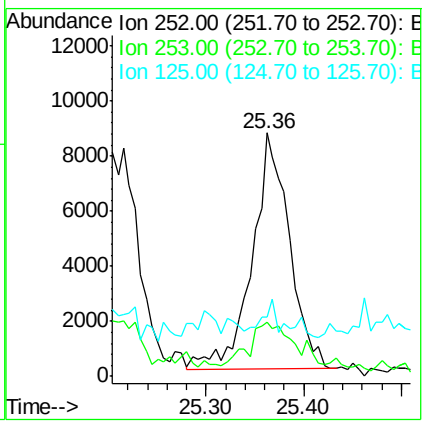


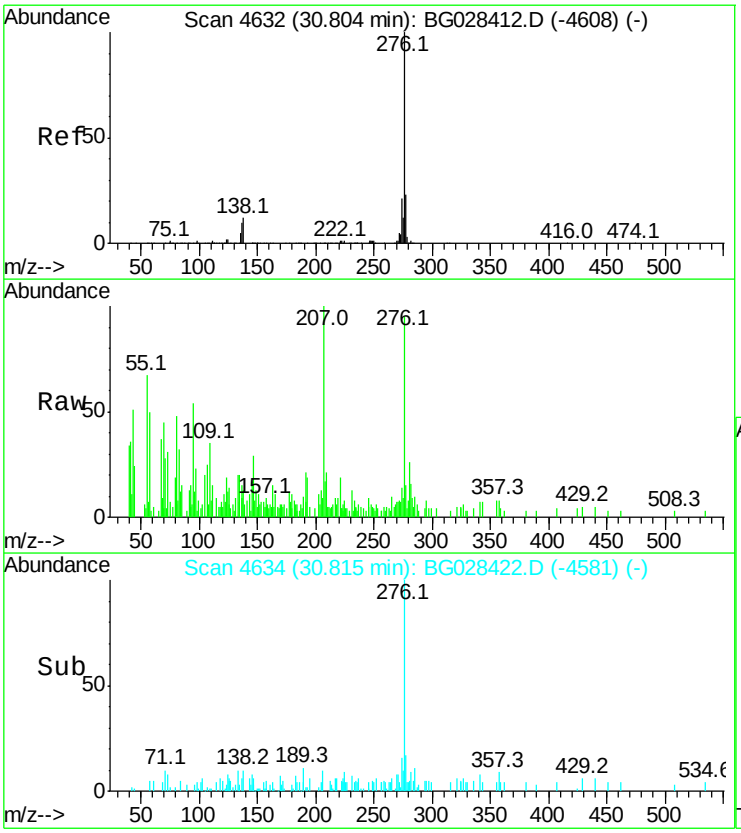

#88
Benzo(a)pyrene
Concen: 1.184 ng/ul
RT: 25.36 min Scan# 3706
Delta R.T. -0.00 min
Lab File: BG028422.D
Acq: 22 Aug 2017 17:18

**Instrument :**
BNA_G
**ClientSampleId :**
E7GB4MSD

Tgt Ion:252 Resp: 23049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.2 | 17.8 | 26.6 |
| 125 | 24.3 | 5.4 | 8.0# |




#91
Benzo(g,h,i)perylene
Concen: 1.434 ng/ul
RT: 30.81 min Scan# 4634
Delta R.T. 0.01 min
Lab File: BG028422.D
Acq: 22 Aug 2017 17:18

Tgt Ion:276 Resp: 26901

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 13.4 | 8.6 | 12.8# |
| 277 | 16.0 | 17.6 | 26.4# |