Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121915\
Data File : BG020308.D
Acq On : 19 Dec 2015 12:38
Operator : UM/SJ
Sample : G4849-01
Misc :
ALS Vial : 39 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** D9N66

Quant Time: Dec 20 04:51:50 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Dec 20 04:48:33 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.09 | 152 | 18675 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.91 | 136 | 83328 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.72 | 164 | 62310 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.47 | 188 | 160222 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.74 | 240 | 208899 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 25.02 | 264 | 198010 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.46 | 96 | 2739 | 8.10 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.24 | 99 | 62207 | 37.78 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.41 | 67 | 40428 | 41.14 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.62 | 132 | 50416 | 42.09 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.79 | 113 | 55046 | 39.09 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.26 | 128 | 27234 | 41.93 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.98 | 143 | 30687 | 42.45 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.52 | 165 | 58540 | 39.98 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 11.03 | 131 | 66389 | 40.37 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 14.12 | 166 | 197683 | 39.22 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 14.42 | 160 | 230331 | 39.28 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.91 | 143 | 32598 | 36.06 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 15.71 | 176 | 181572 | 39.72 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.82 | 200 | 33541 | 35.31 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 17.57 | 188 | 299974 | 40.63 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 19.85 | 212 | 365853 | 37.58 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 24.79 | 264 | 418137 | 42.34 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 15) N-Nitroso-di-n-propylamine | 8.80 | 70 | 1322 | 1.13 | ng/ul# | 1 |
| 28) Naphthalene | 10.96 | 128 | 21314 | 4.90 | ng/ul | 97 |
| 30) 4-Chloroaniline | 10.96 | 127 | 2698 | 1.61 | ng/ul# | 21 |
| 34) 2-Methylnaphthalene | 12.56 | 142 | 6673 | 2.01 | ng/ul | 91 |
| 35) 1-Methylnaphthalene | 12.77 | 142 | 3409 | 1.07 | ng/ul# | 97 |
| 45) Dimethylphthalate | 14.17 | 163 | 50160 | 9.74 | ng/ul | 99 |
| 50) Acenaphthene | 14.78 | 153 | 14650 | 3.50 | ng/ul | 98 |
| 54) Dibenzofuran | 15.12 | 168 | 17476 | 2.80 | ng/ul | 97 |
| 59) Fluorene | 15.76 | 166 | 16667 | 3.33 | ng/ul | 95 |
| 70) Phenanthrene | 17.51 | 178 | 82993 | 9.47 | ng/ul | 99 |
| 75) Carbazole | 17.87 | 167 | 8090 | 1.08 | ng/ul# | 95 |
| 77) Fluoranthene | 19.51 | 202 | 48077 | 4.69 | ng/ul | 98 |
| 80) Pyrene | 19.88 | 202 | 33847 | 2.68 | ng/ul | 97 |

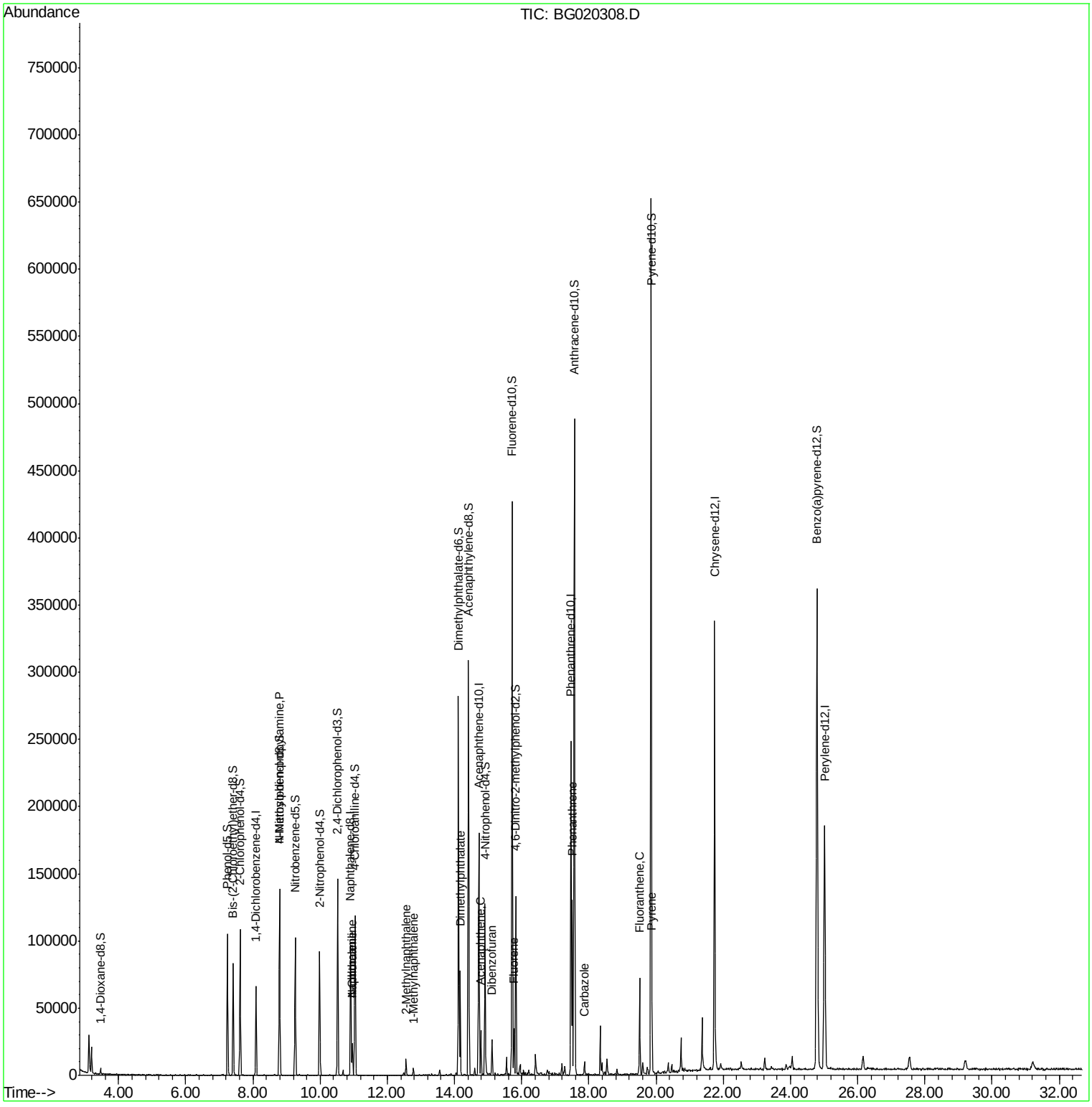
(#) = qualifier out of range (m) = manual integration (+) = signals summed

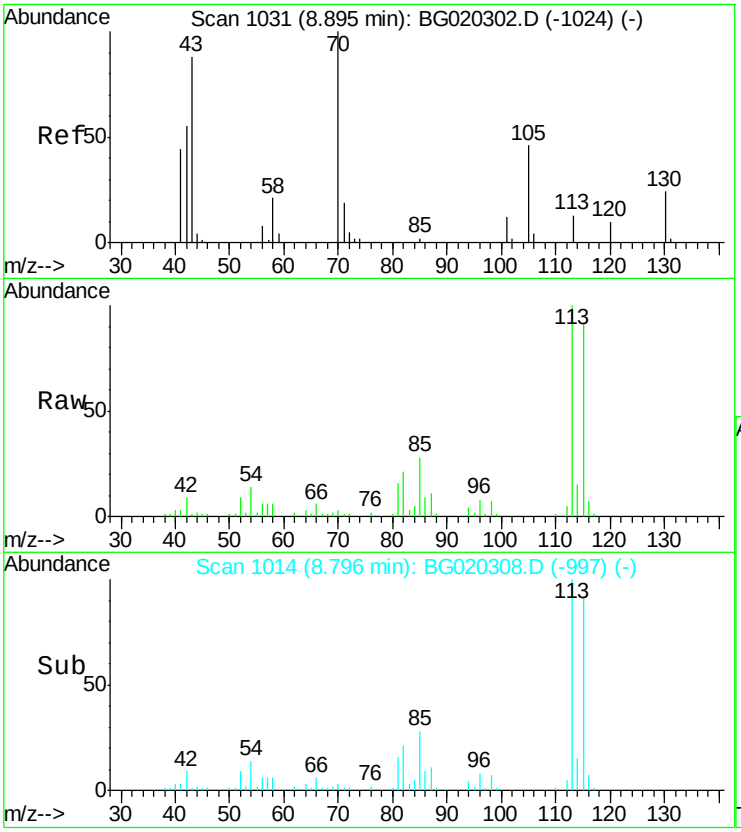
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121915\
Data File : BG020308.D
Acq On : 19 Dec 2015 12:38
Operator : UM/SJ
Sample : G4849-01
Misc :
ALS Vial : 39 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
D9N66

Quant Time: Dec 20 04:51:50 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Dec 20 04:48:33 2015
Response via : Initial Calibration



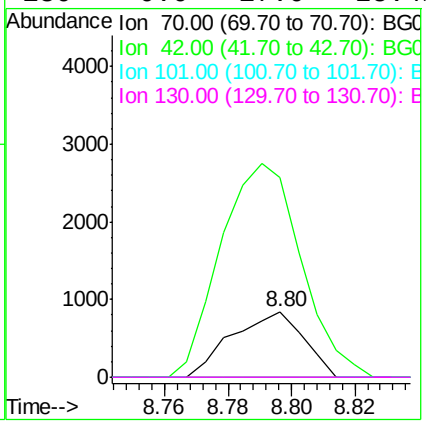


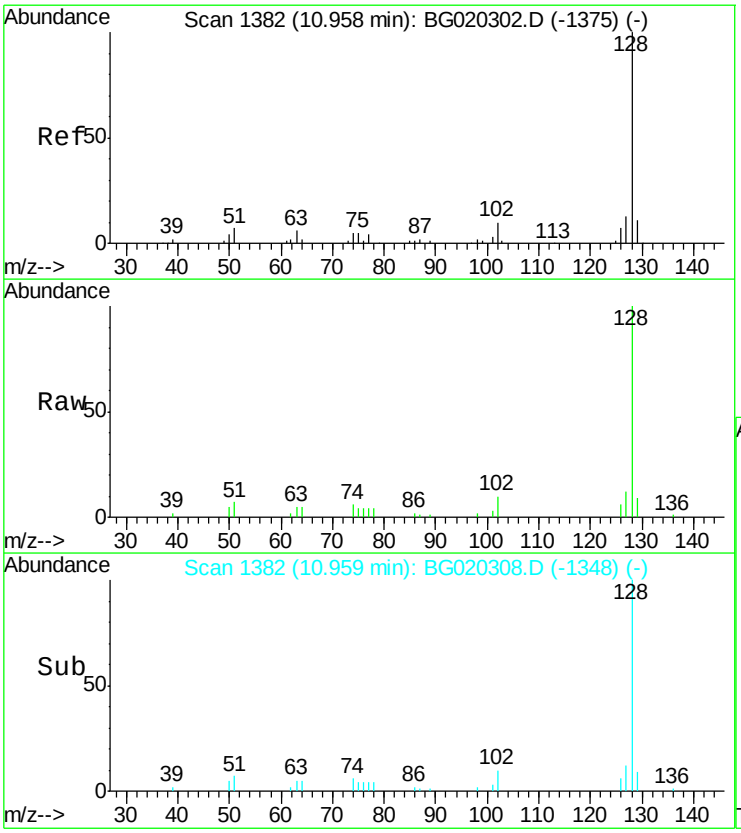

#15
N-Nitroso-di-n-propylamine
Concen: 1.13 ng/ul
RT: 8.80 min Scan# 1014
Delta R.T. -0.10 min
Lab File: BG020308.D
Acq: 19 Dec 2015 12:38

**Instrument :**
BNA_G
**ClientSampleId :**
D9N66

Tgt Ion: 70 Resp: 1322

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 303.8 | 44.3 | 66.5# |
| 101 | 0.0 | 7.6 | 11.4# |
| 130 | 0.0 | 17.0 | 25.4# |

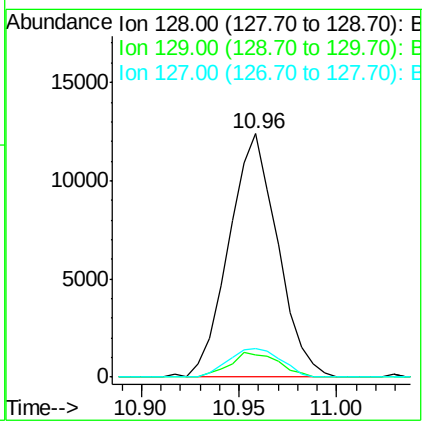


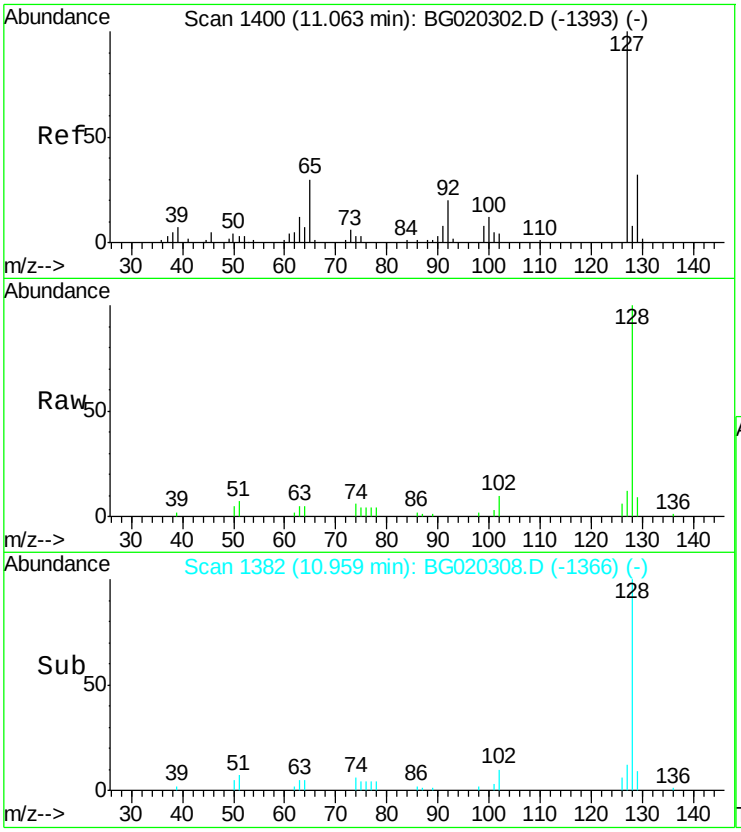




#28
Naphthalene
Concen: 4.90 ng/ul
RT: 10.96 min Scan# 1382
Delta R.T. 0.00 min
Lab File: BG020308.D
Acq: 19 Dec 2015 12:38

Tgt Ion:128 Resp: 21314

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 9.1 | 8.6 | 12.8 |
| 127 | 12.0 | 10.1 | 15.1 |



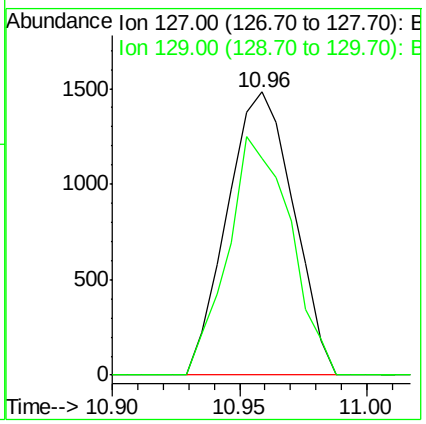


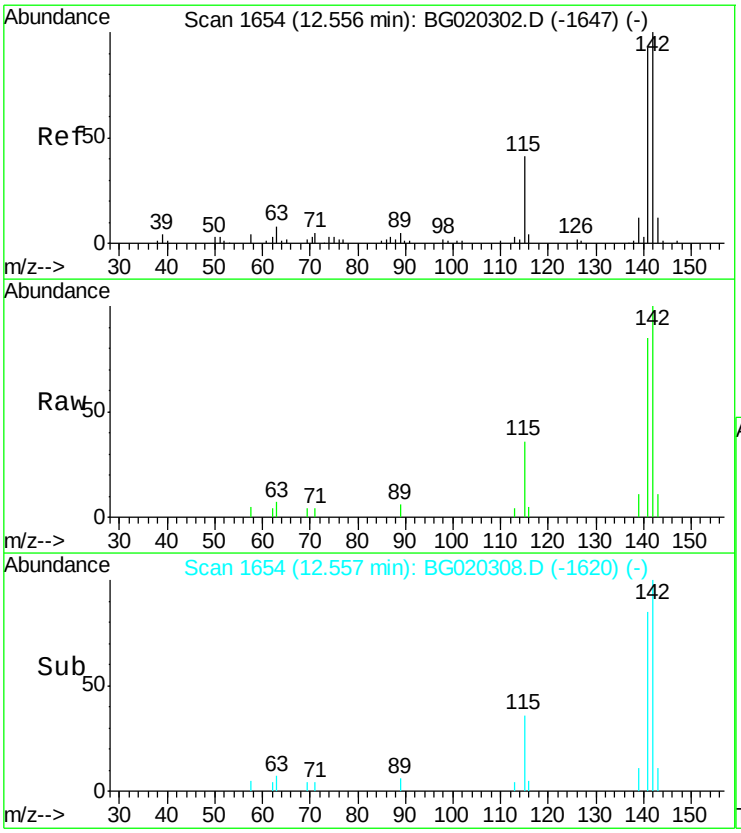

#30
4-Chloroaniline
Concen: 1.61 ng/ul
RT: 10.96 min Scan# 1382
Delta R.T. -0.10 min
Lab File: BG020308.D
Acq: 19 Dec 2015 12:38

**Instrument :**
BNA_G
**ClientSampleId :**
D9N66

Tgt Ion:127 Resp: 2698

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 76.4 | 25.7 | 38.5# |

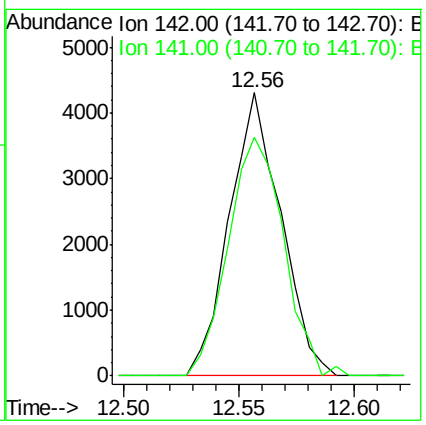


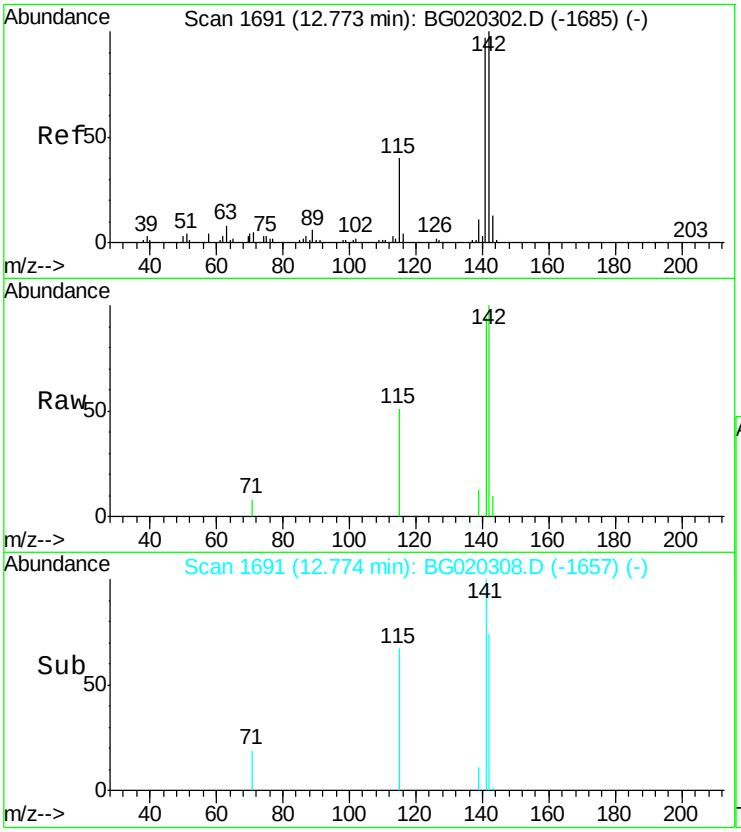




#34
2-Methylnaphthalene
Concen: 2.01 ng/ul
RT: 12.56 min Scan# 1654
Delta R.T. 0.00 min
Lab File: BG020308.D
Acq: 19 Dec 2015 12:38

Tgt Ion:142 Resp: 6673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 84.5 | 74.9 | 112.3 |



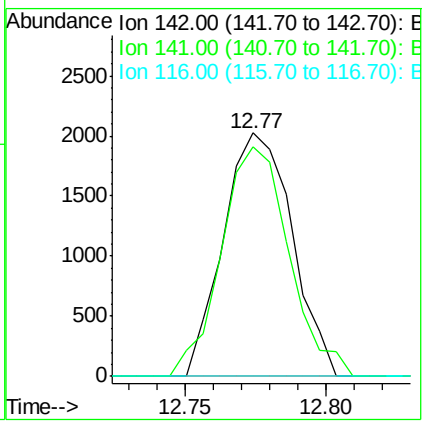


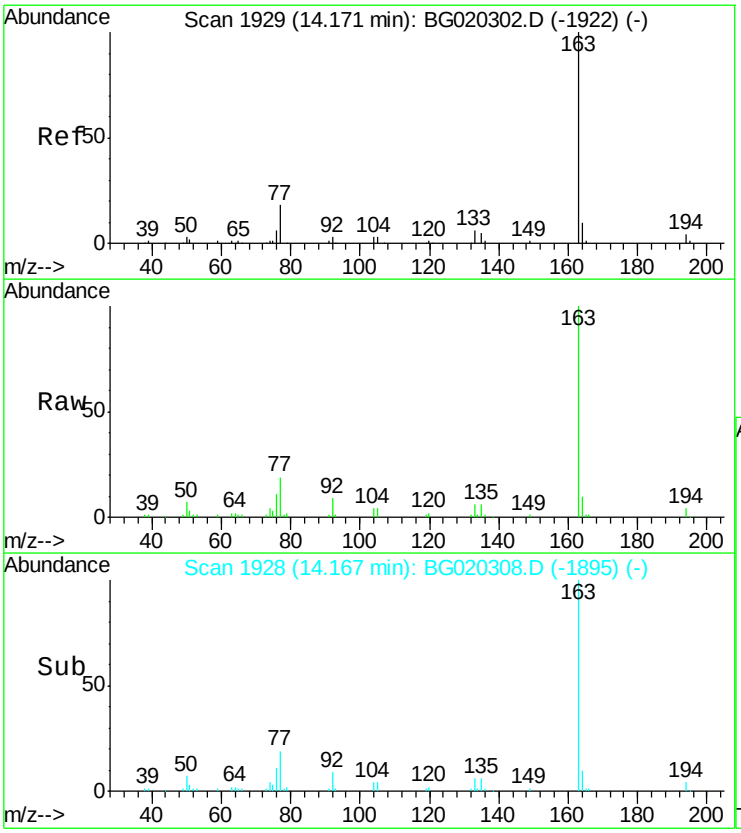

#35
1-Methylnaphthalene
Concen: 1.07 ng/ul
RT: 12.77 min Scan# 1691
Delta R.T. 0.00 min
Lab File: BG020308.D
Acq: 19 Dec 2015 12:38

**Instrument :**
BNA_G
**ClientSampleId :**
D9N66

Tgt Ion:142 Resp: 3409

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 94.1 | 73.0 | 109.6 |
| 116 | 0.0 | 3.0 | 4.6# |

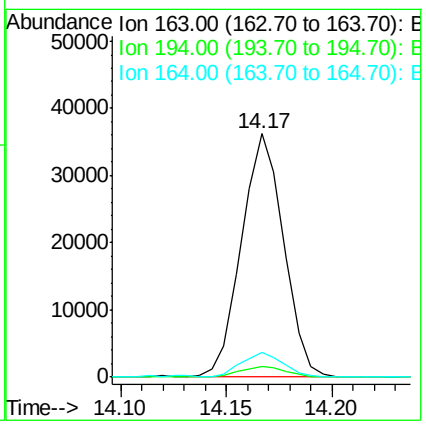


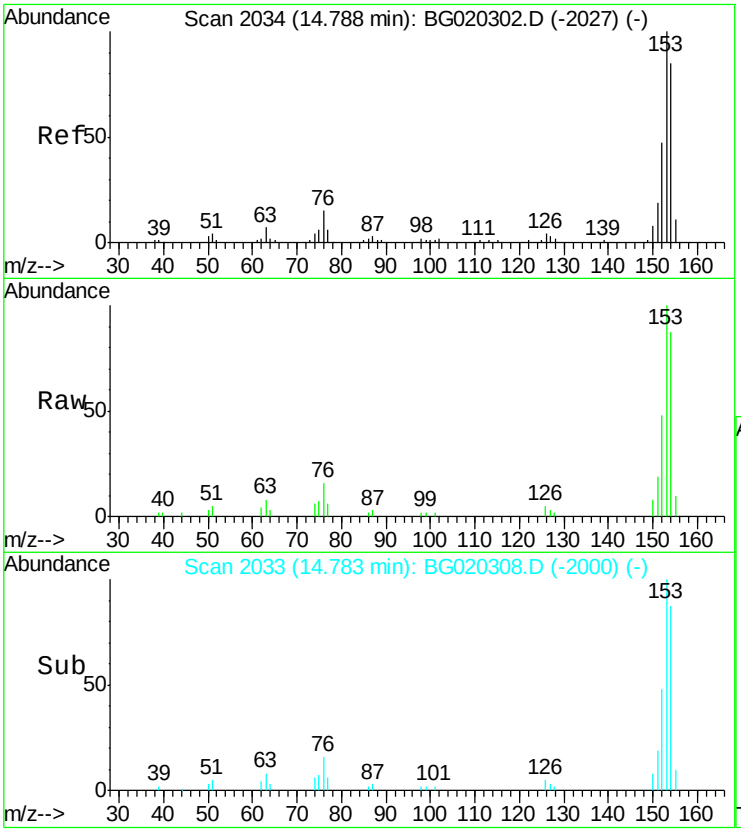




#45
Dimethylphthalate
Concen: 9.74 ng/ul
RT: 14.17 min Scan# 1928
Delta R.T. -0.00 min
Lab File: BG020308.D
Acq: 19 Dec 2015 12:38

Tgt Ion:163 Resp: 50160

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.5 | 3.5 | 5.3 |
| 164 | 10.3 | 7.7 | 11.5 |



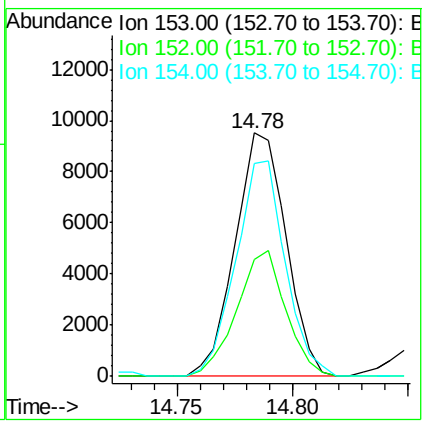


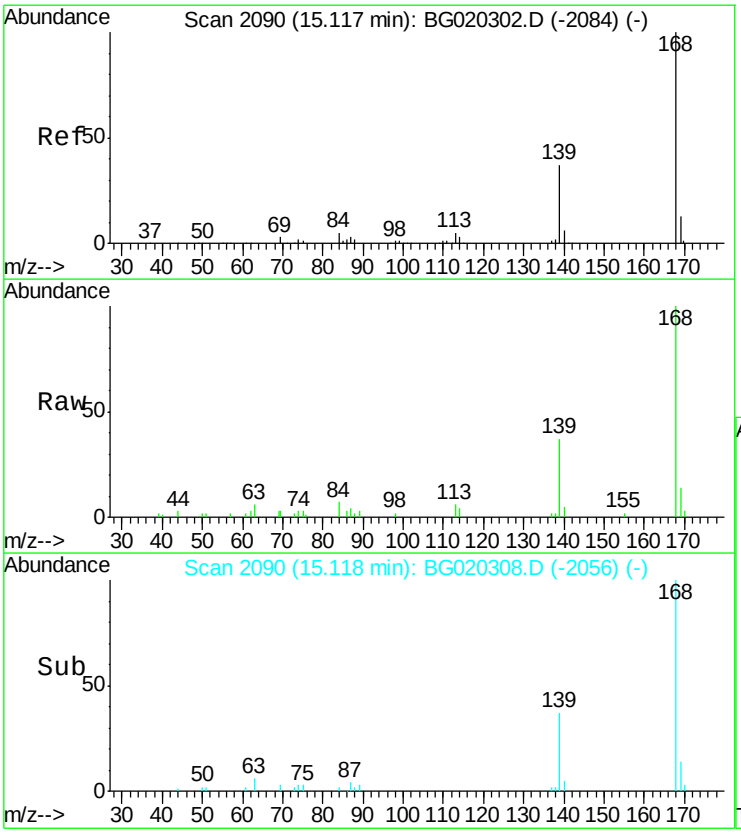

#50
Acenaphthene
Concen: 3.50 ng/ul
RT: 14.78 min Scan# 2033
Delta R.T. -0.00 min
Lab File: BG020308.D
Acq: 19 Dec 2015 12:38

**Instrument :**
BNA_G
**ClientSampleId :**
D9N66

Tgt Ion:153 Resp: 14650

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 47.9 | 37.6 | 56.4 |
| 154 | 87.3 | 67.9 | 101.9 |

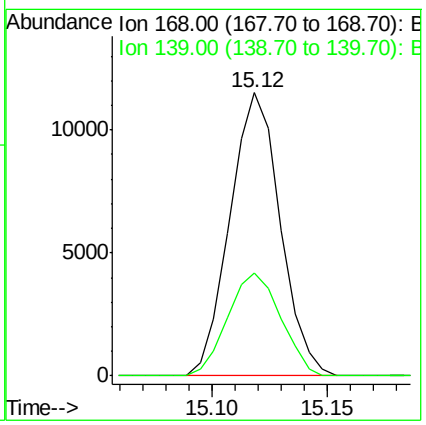


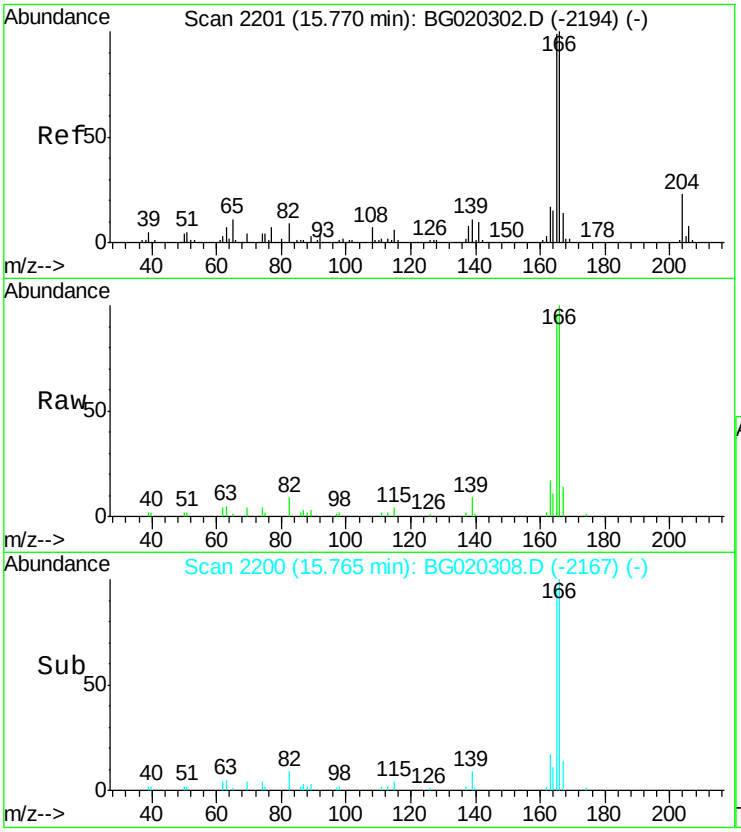




#54
Dibenzofuran
Concen: 2.80 ng/ul
RT: 15.12 min Scan# 2090
Delta R.T. 0.00 min
Lab File: BG020308.D
Acq: 19 Dec 2015 12:38

Tgt Ion:168 Resp: 17476

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 36.5 | 30.5 | 45.7 |



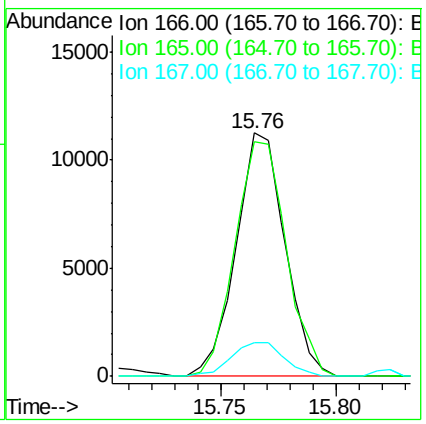


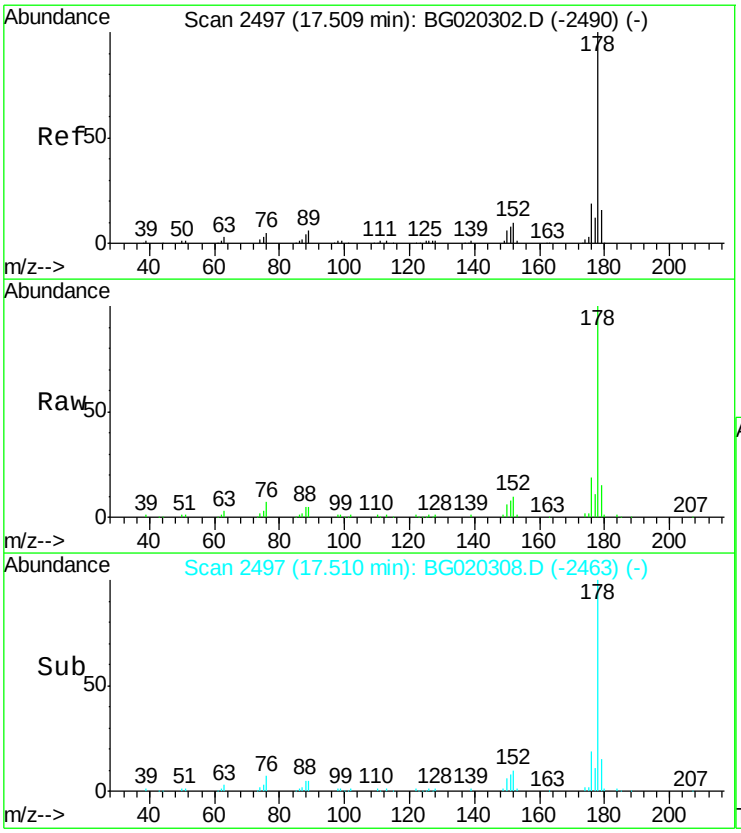

#59
Fluorene
Concen: 3.33 ng/ul
RT: 15.76 min Scan# 2200
Delta R.T. -0.00 min
Lab File: BG020308.D
Acq: 19 Dec 2015 12:38

**Instrument :**
BNA_G
**ClientSampleId :**
D9N66

Tgt Ion:166 Resp: 16667

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 96.3 | 81.4 | 122.0 |
| 167 | 14.1 | 11.2 | 16.8 |

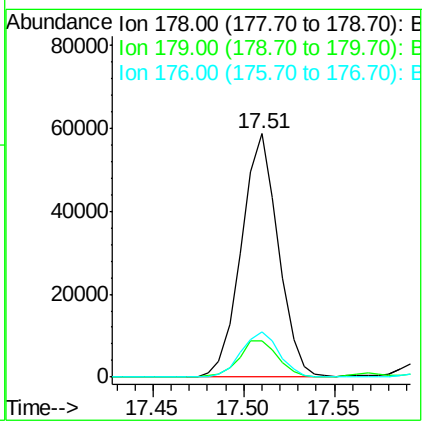


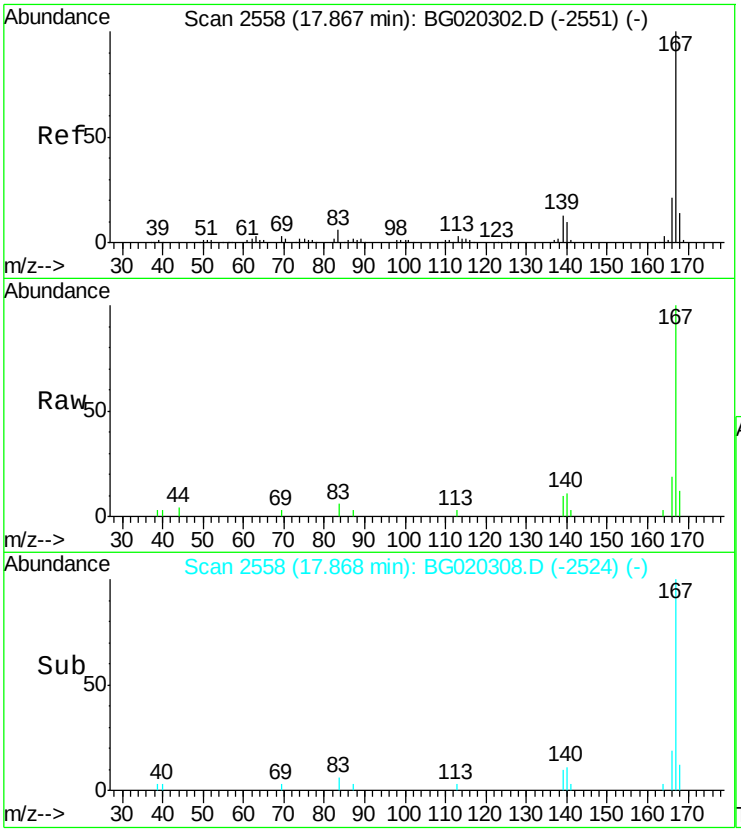




#70
Phenanthrene
Concen: 9.47 ng/ul
RT: 17.51 min Scan# 2497
Delta R.T. 0.00 min
Lab File: BG020308.D
Acq: 19 Dec 2015 12:38

Tgt Ion:178 Resp: 82993

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.1 | 12.9 | 19.3 |
| 176 | 18.8 | 15.3 | 22.9 |



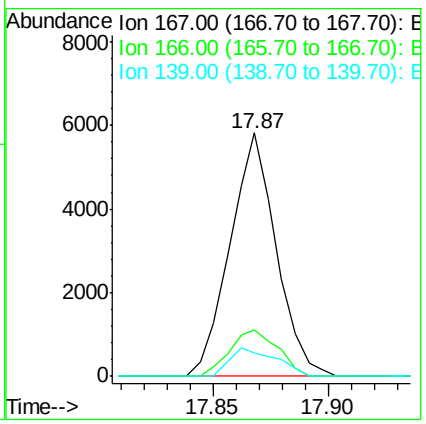


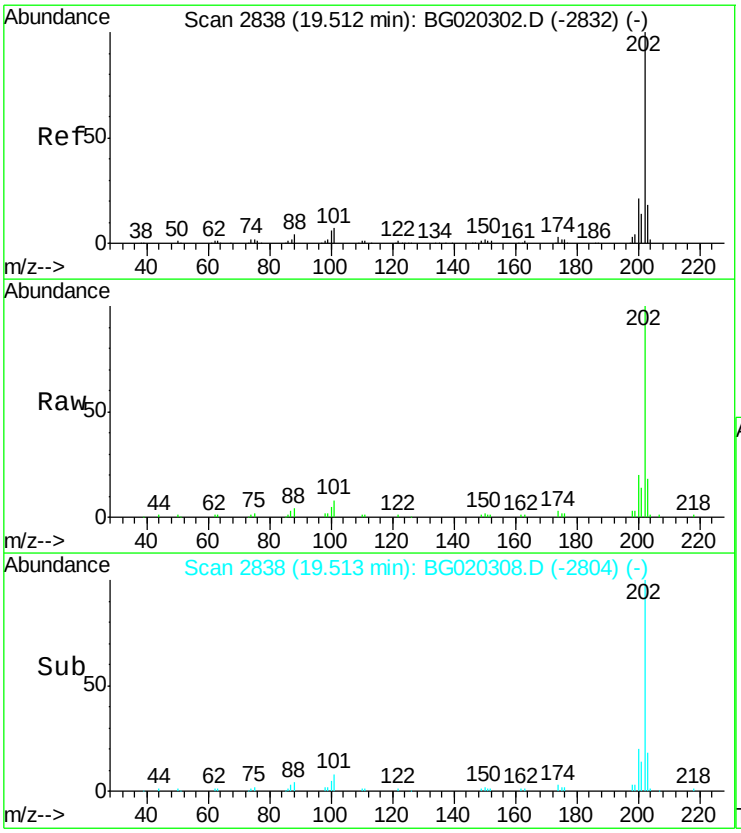

#75
Carbazole
Concen: 1.08 ng/ul
RT: 17.87 min Scan# 2558
Delta R.T. 0.00 min
Lab File: BG020308.D
Acq: 19 Dec 2015 12:38

**Instrument :**
BNA_G
**ClientSampleId :**
D9N66

Tgt Ion:167 Resp: 8090

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 19.2 | 17.0 | 25.6 |
| 139 | 9.9 | 10.1 | 15.1# |

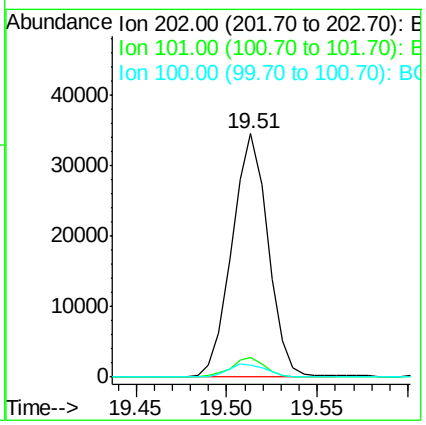


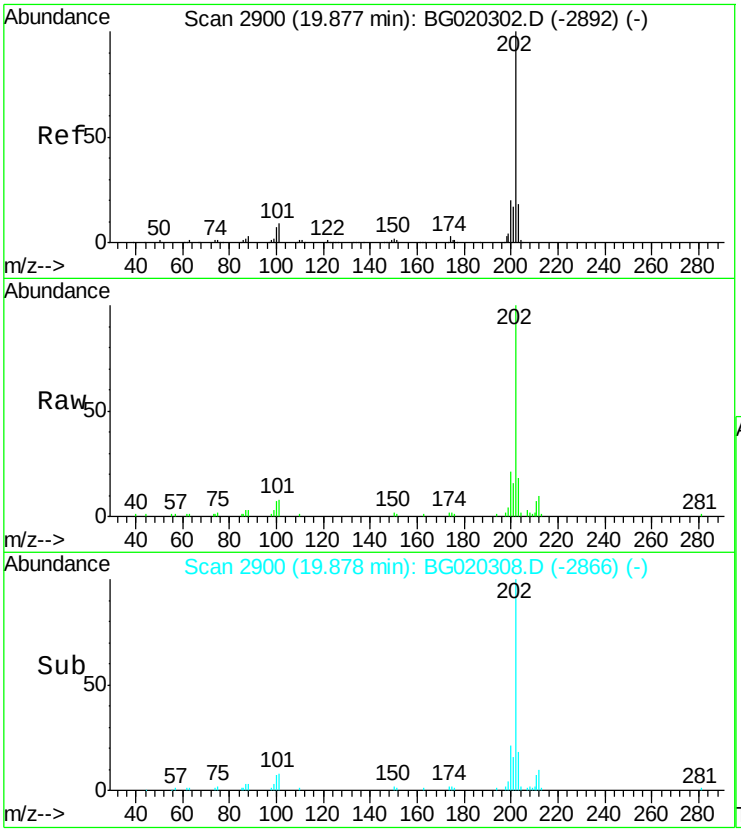




#77
Fluoranthene
Concen: 4.69 ng/ul
RT: 19.51 min Scan# 2838
Delta R.T. 0.00 min
Lab File: BG020308.D
Acq: 19 Dec 2015 12:38

Tgt Ion:202 Resp: 48077

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 8.3 | 6.2 | 9.4 |
| 100 | 5.2 | 5.1 | 7.7 |






#80
Pyrene
Concen: 2.68 ng/ul
RT: 19.88 min Scan# 2900
Delta R.T. 0.00 min
Lab File: BG020308.D
Acq: 19 Dec 2015 12:38

**Instrument :**
BNA_G
**ClientSampleId :**
D9N66

Tgt Ion:202 Resp: 33847

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 7.9 | 7.0 | 10.4 |
| 100 | 6.6 | 6.4 | 9.6 |