Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122115\
Data File : BG020389.D
Acq On : 21 Dec 2015 23:00
Operator : UM/SJ
Sample : G4768-15DL 25X
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** D9N39DL

Quant Time: Dec 22 02:04:53 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 22 02:00:19 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.09 | 152 | 18427 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.91 | 136 | 80434 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.72 | 164 | 51440 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.47 | 188 | 121562 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.74 | 240 | 146066 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 25.02 | 264 | 108391 | 20.00 | ng/ul | -0.01 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 0.00 | 96 | 0 | 0.00 | ng/uL | |
| 5) Phenol-d5 | 7.25 | 99 | 315 | 0.19 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.41 | 67 | 1161 | 1.20 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.63 | 132 | 1102 | 0.93 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.81 | 113 | 707 | 0.51 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.26 | 128 | 593 | 0.95 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.98 | 143 | 724 | 1.04 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.54 | 165 | 1142 | 0.81 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 0.00 | 131 | 0 | 0.00 | ng/ul | |
| 44) Dimethylphthalate-d6 | 14.12 | 166 | 5273 | 1.27 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 14.42 | 160 | 6567 | 1.36 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 0.00 | 143 | 0 | 0.00 | ng/ul | |
| 58) Fluorene-d10 | 15.71 | 176 | 5635 | 1.49 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 0.00 | 200 | 0 | 0.00 | ng/ul | |
| 71) Anthracene-d10 | 17.47 | 188 | 121562 | 21.70 | ng/ul | -0.10 |
| 79) Pyrene-d10 | 19.85 | 212 | 9914 | 1.46 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 24.79 | 264 | 7200 | 1.33 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 28) Naphthalene | 10.96 | 128 | 89410 | 21.29 | ng/ul | 99 |
| 30) 4-Chloroaniline | 10.96 | 127 | 11925 | 7.36 | ng/ul# | 6 |
| 34) 2-Methylnaphthalene | 12.56 | 142 | 5575 | 1.74 | ng/ul | 99 |
| 50) Acenaphthene | 14.78 | 153 | 8061 | 2.33 | ng/ul | 93 |
| 54) Dibenzofuran | 15.12 | 168 | 6409 | 1.25 | ng/ul | 91 |
| 59) Fluorene | 15.76 | 166 | 6095 | 1.47 | ng/ul | 89 |
| 70) Phenanthrene | 17.51 | 178 | 20872 | 3.14 | ng/ul | 98 |
| 72) Anthracene | 17.51 | 178 | 20872 | 3.09 | ng/ul | 99 |

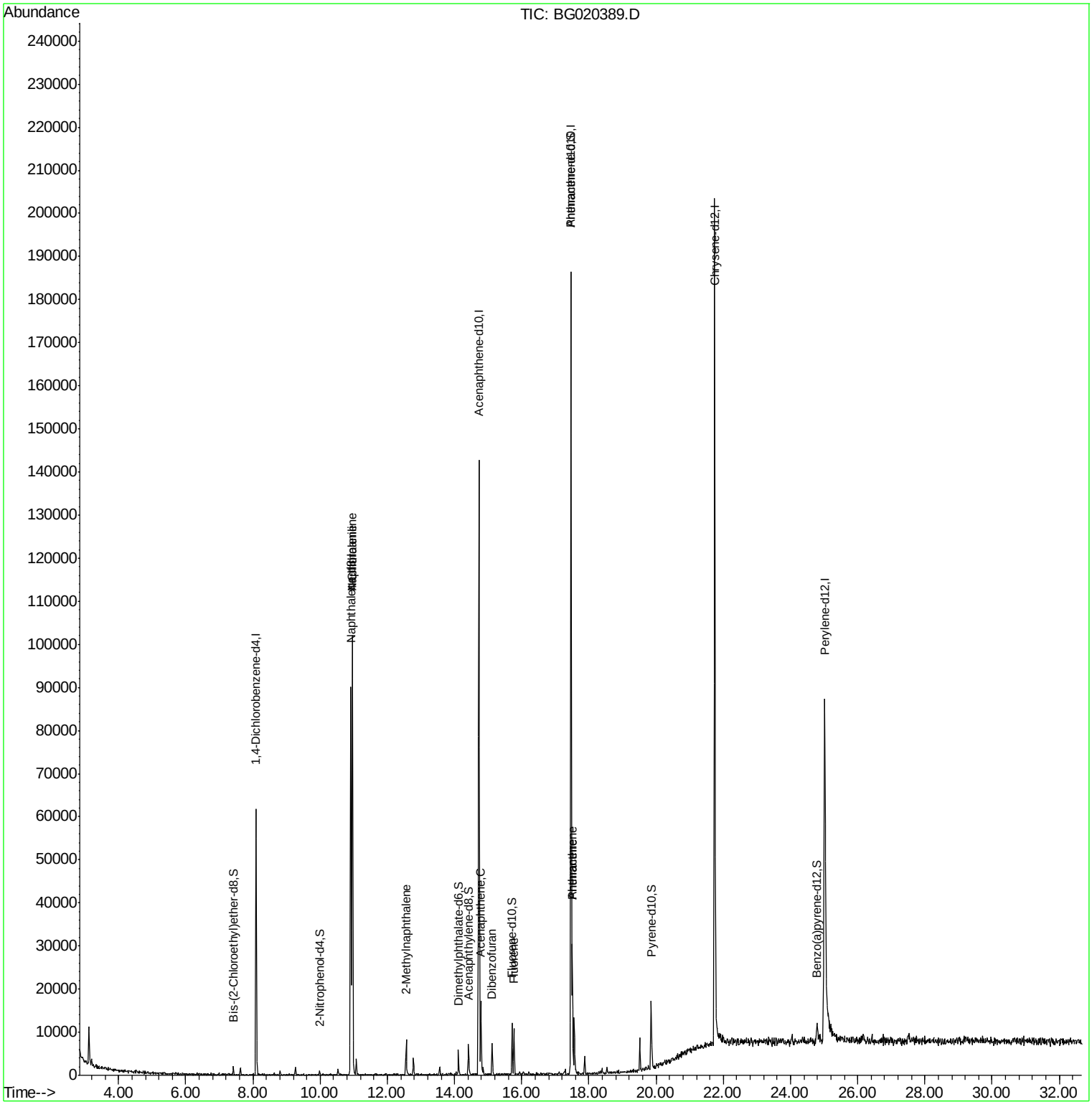
(#) = qualifier out of range (m) = manual integration (+) = signals summed

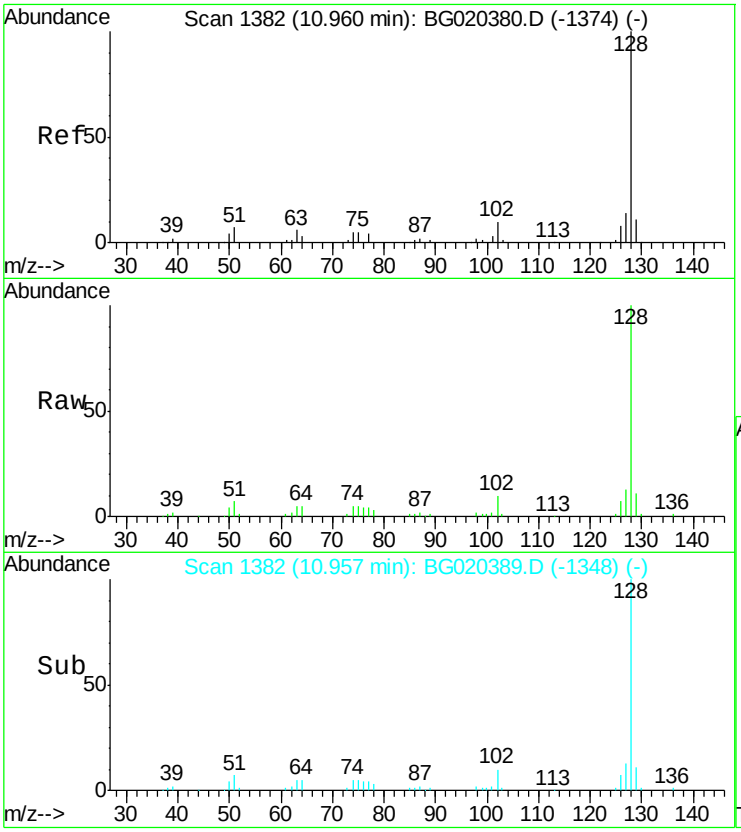
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122115\
Data File : BG020389.D
Acq On : 21 Dec 2015 23:00
Operator : UM/SJ
Sample : G4768-15DL 25X
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
D9N39DL

Quant Time: Dec 22 02:04:53 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 22 02:00:19 2015
Response via : Initial Calibration



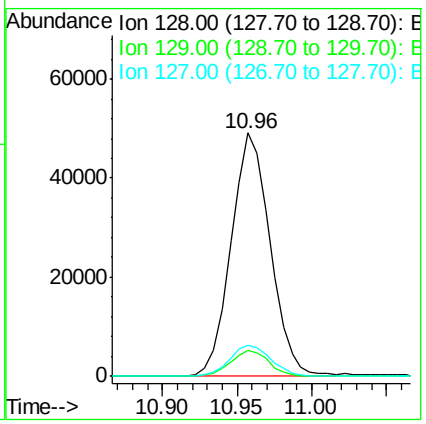


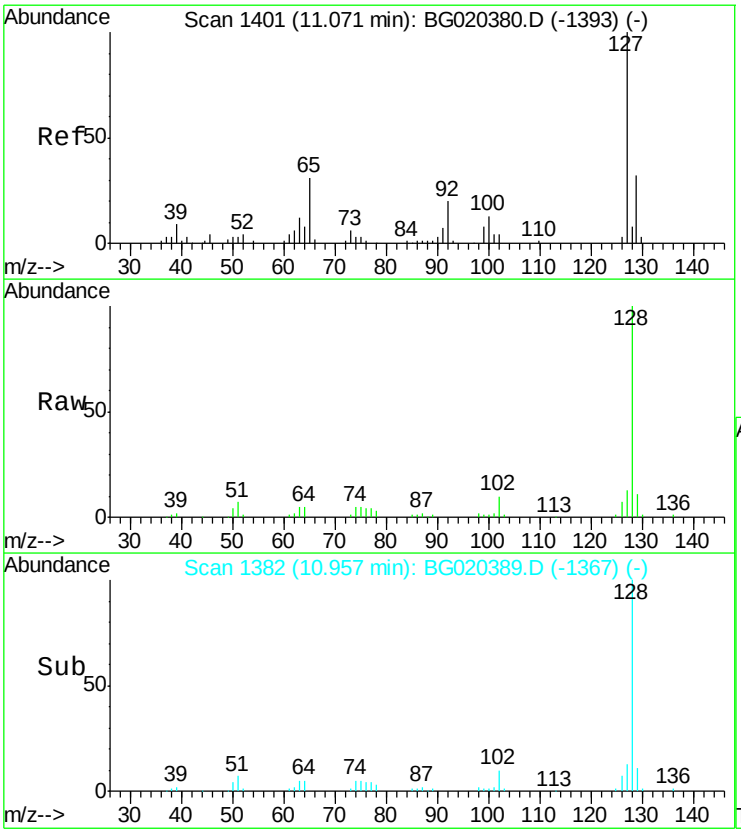

#28
Naphthalene
Concen: 21.29 ng/ul
RT: 10.96 min Scan# 1382
Delta R.T. -0.00 min
Lab File: BG020389.D
Acq: 21 Dec 2015 23:00

**Instrument :**
BNA_G
**ClientSampleId :**
D9N39DL

Tgt Ion:128 Resp: 89410

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.9 | 8.6 | 12.8 |
| 127 | 12.9 | 10.1 | 15.1 |

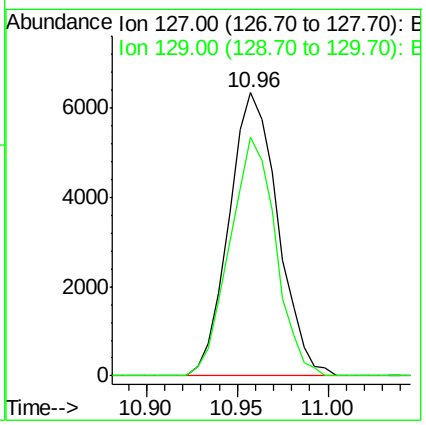


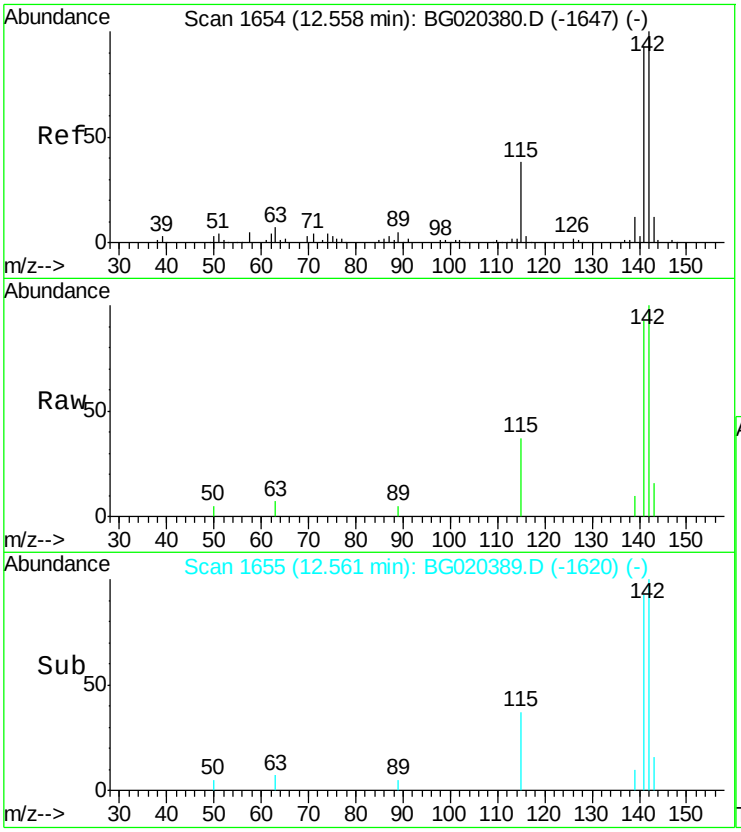




#30
4-Chloroaniline
Concen: 7.36 ng/ul
RT: 10.96 min Scan# 1382
Delta R.T. -0.11 min
Lab File: BG020389.D
Acq: 21 Dec 2015 23:00

Tgt Ion:127 Resp: 11925

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 84.3 | 25.7 | 38.5# |



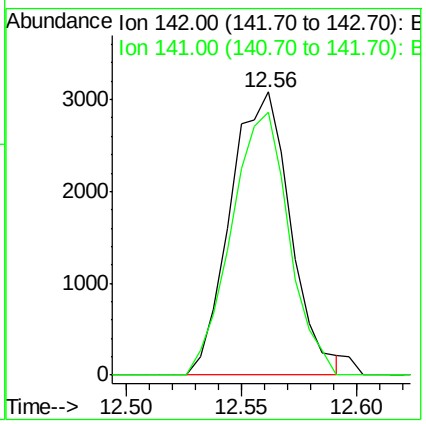


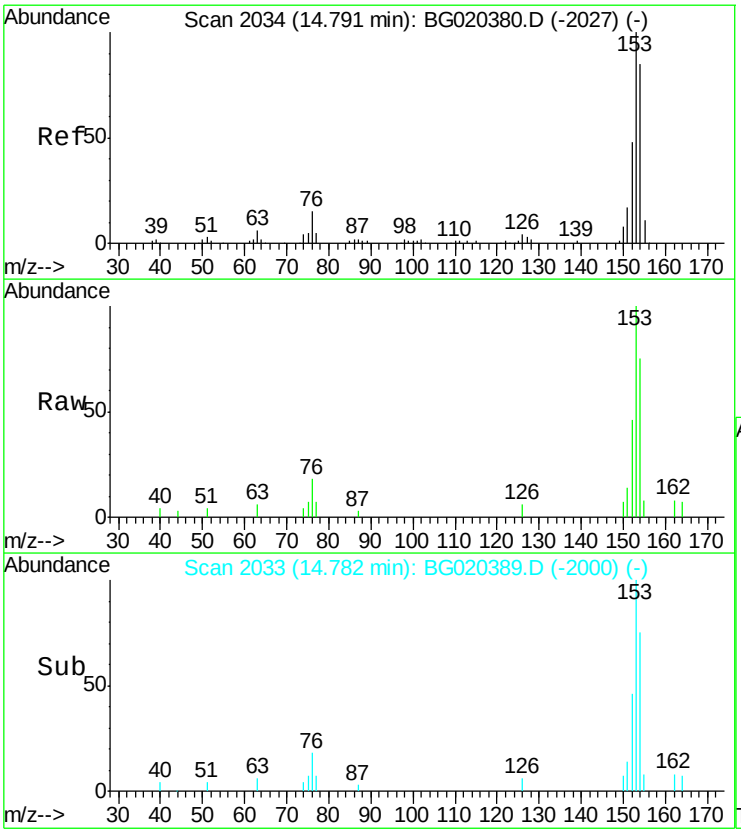

#34
2-Methylnaphthalene
Concen: 1.74 ng/ul
RT: 12.56 min Scan# 1655
Delta R.T. 0.00 min
Lab File: BG020389.D
Acq: 21 Dec 2015 23:00

**Instrument :**
BNA_G
**ClientSampleId :**
D9N39DL

Tgt Ion:142 Resp: 5575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.8 | 74.9 | 112.3 |

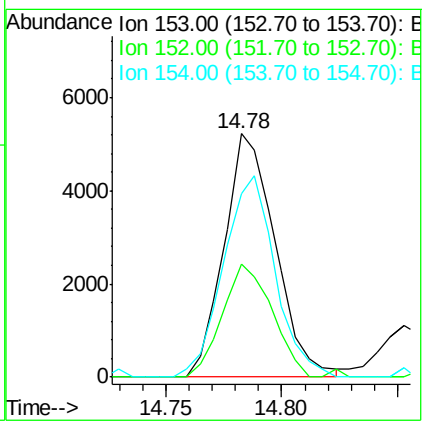


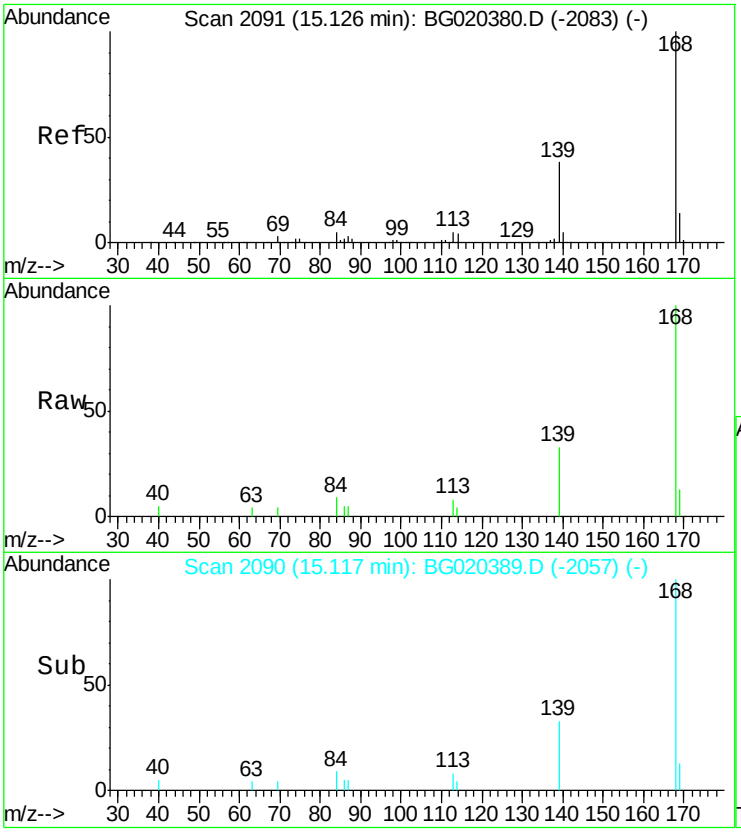




#50
Acenaphthene
Concen: 2.33 ng/ul
RT: 14.78 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BG020389.D
Acq: 21 Dec 2015 23:00

Tgt Ion:153 Resp: 8061

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 46.4 | 37.6 | 56.4 |
| 154 | 75.2 | 67.9 | 101.9 |



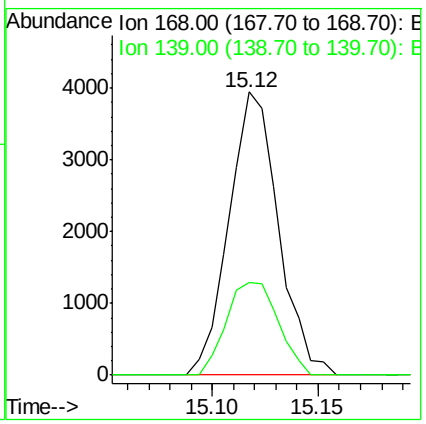


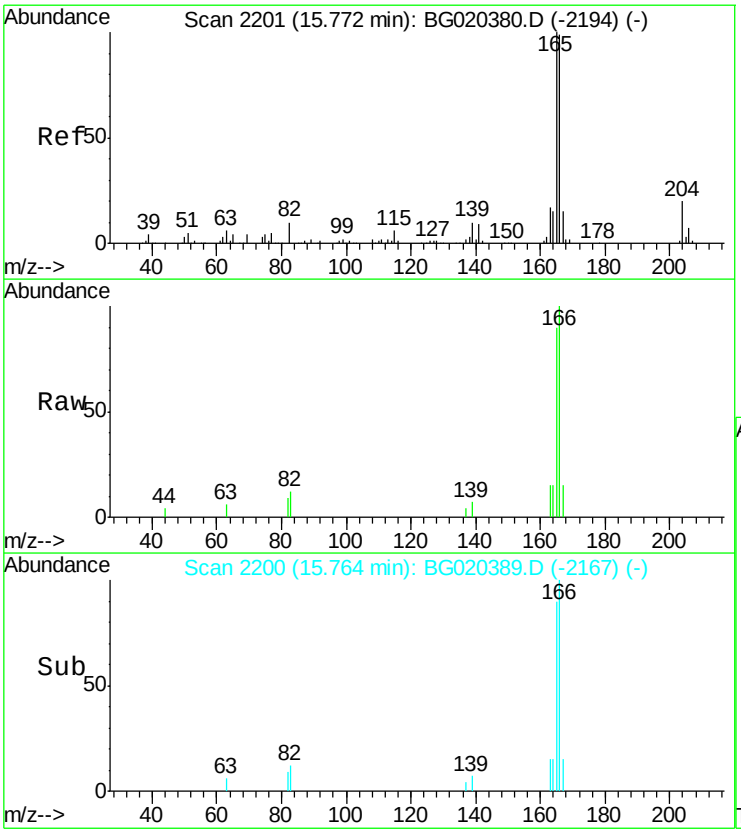

#54
Dibenzofuran
Concen: 1.25 ng/ul
RT: 15.12 min Scan# 2090
Delta R.T. -0.01 min
Lab File: BG020389.D
Acq: 21 Dec 2015 23:00

**Instrument :**
BNA_G
**ClientSampleId :**
D9N39DL

Tgt Ion:168 Resp: 6409

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 32.9 | 30.5 | 45.7 |

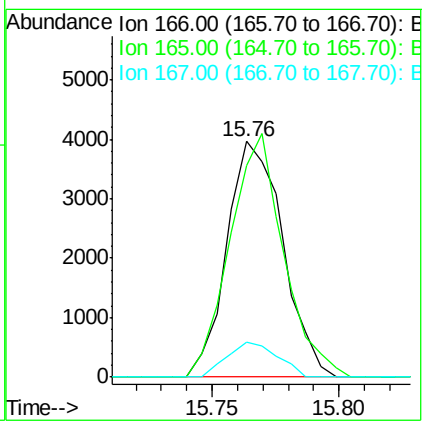


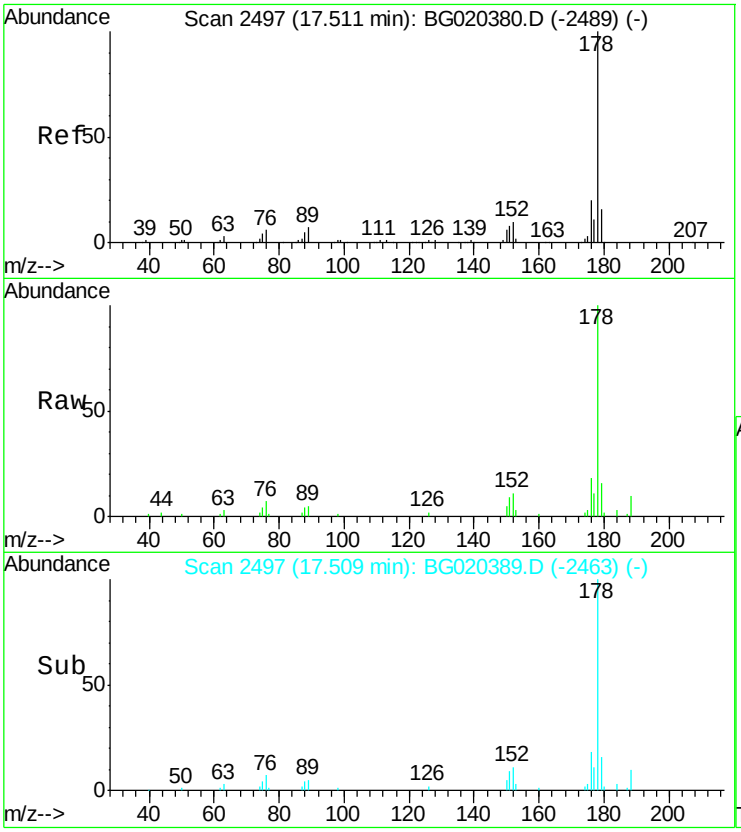




#59
Fluorene
Concen: 1.47 ng/ul
RT: 15.76 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BG020389.D
Acq: 21 Dec 2015 23:00

Tgt Ion:166 Resp: 6095

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 89.6 | 81.4 | 122.0 |
| 167 | 14.9 | 11.2 | 16.8 |



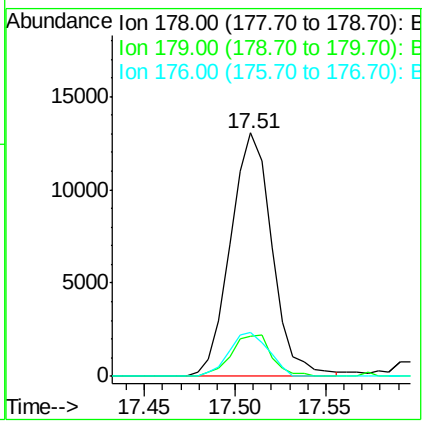


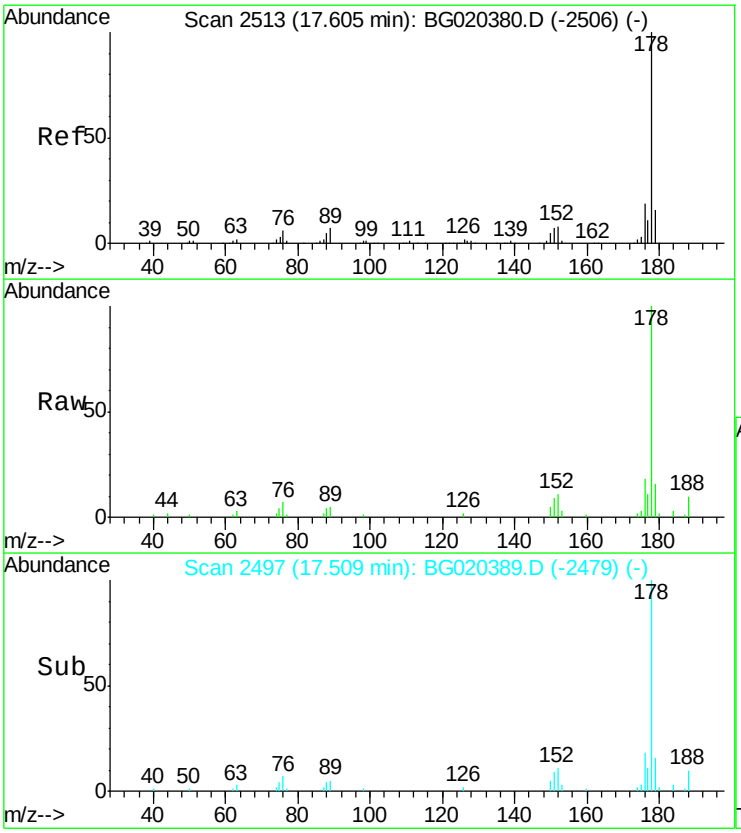

#70
Phenanthrene
Concen: 3.14 ng/ul
RT: 17.51 min Scan# 2497
Delta R.T. -0.00 min
Lab File: BG020389.D
Acq: 21 Dec 2015 23:00

**Instrument :**
BNA_G
**ClientSampleId :**
D9N39DL

Tgt Ion:178 Resp: 20872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.4 | 12.9 | 19.3 |
| 176 | 18.0 | 15.3 | 22.9 |




#72
Anthracene
Concen: 3.09 ng/ul
RT: 17.51 min Scan# 2497
Delta R.T. -0.10 min
Lab File: BG020389.D
Acq: 21 Dec 2015 23:00

Tgt Ion:178 Resp: 20872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.4 | 12.3 | 18.5 |
| 176 | 18.0 | 14.3 | 21.5 |