Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG123015\
Data File : BG020621.D
Acq On : 30 Dec 2015 23:05
Operator : UM/SJ
Sample : G4846-03DL 100X
Misc :
ALS Vial : 30 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** D9N49DL

Quant Time: Dec 31 01:12:14 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 31 01:03:28 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.06 | 152 | 12708 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.87 | 136 | 59129 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.70 | 164 | 47102 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.44 | 188 | 128781 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.71 | 240 | 157858 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 24.97 | 264 | 150890 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 0.00 | 96 | 0 | 0.00 | ng/uL | |
| 5) Phenol-d5 | 0.00 | 99 | 0 | 0.00 | ng/ul | |
| 7) Bis-(2-Chloroethyl)ether-d | 0.00 | 67 | 0 | 0.00 | ng/ul | |
| 9) 2-Chlorophenol-d4 | 0.00 | 132 | 0 | 0.00 | ng/ul | |
| 13) 4-Methylphenol-d8 | 0.00 | 113 | 0 | 0.00 | ng/ul | |
| 19) Nitrobenzene-d5 | 0.00 | 128 | 0 | 0.00 | ng/ul | |
| 22) 2-Nitrophenol-d4 | 0.00 | 143 | 0 | 0.00 | ng/ul | |
| 26) 2,4-Dichlorophenol-d3 | 0.00 | 165 | 0 | 0.00 | ng/ul | |
| 29) 4-Chloroaniline-d4 | 0.00 | 131 | 0 | 0.00 | ng/ul | |
| 44) Dimethylphthalate-d6 | 14.10 | 166 | 1614 | 0.42 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 14.39 | 160 | 2146 | 0.49 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 0.00 | 143 | 0 | 0.00 | ng/ul | |
| 58) Fluorene-d10 | 15.69 | 176 | 2008 | 0.57 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 0.00 | 200 | 0 | 0.00 | ng/ul | |
| 71) Anthracene-d10 | 17.44 | 188 | 128781 | 21.46 | ng/ul | -0.10 |
| 79) Pyrene-d10 | 19.82 | 212 | 3574 | 0.50 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 24.74 | 264 | 3646 | 0.48 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 28) Naphthalene | 10.92 | 128 | 157196 | 50.20 | ng/ul | 99 |
| 30) 4-Chloroaniline | 10.92 | 127 | 21252 | 17.30 | ng/ul# | 11 |
| 34) 2-Methylnaphthalene | 12.53 | 142 | 14873 | 6.35 | ng/ul | 99 |
| 35) 1-Methylnaphthalene | 12.75 | 142 | 8903 | 3.94 | ng/ul# | 88 |
| 41) 1,1'-Biphenyl | 13.53 | 154 | 4101 | 1.16 | ng/ul | 98 |
| 50) Acenaphthene | 14.76 | 153 | 22326 | 7.07 | ng/ul | 96 |
| 54) Dibenzofuran | 15.09 | 168 | 18148 | 3.81 | ng/ul | 98 |
| 59) Fluorene | 15.74 | 166 | 14759 | 3.85 | ng/ul | 96 |
| 70) Phenanthrene | 17.48 | 178 | 35325 | 5.05 | ng/ul | 97 |
| 75) Carbazole | 17.85 | 167 | 23643 | 3.91 | ng/ul | 99 |

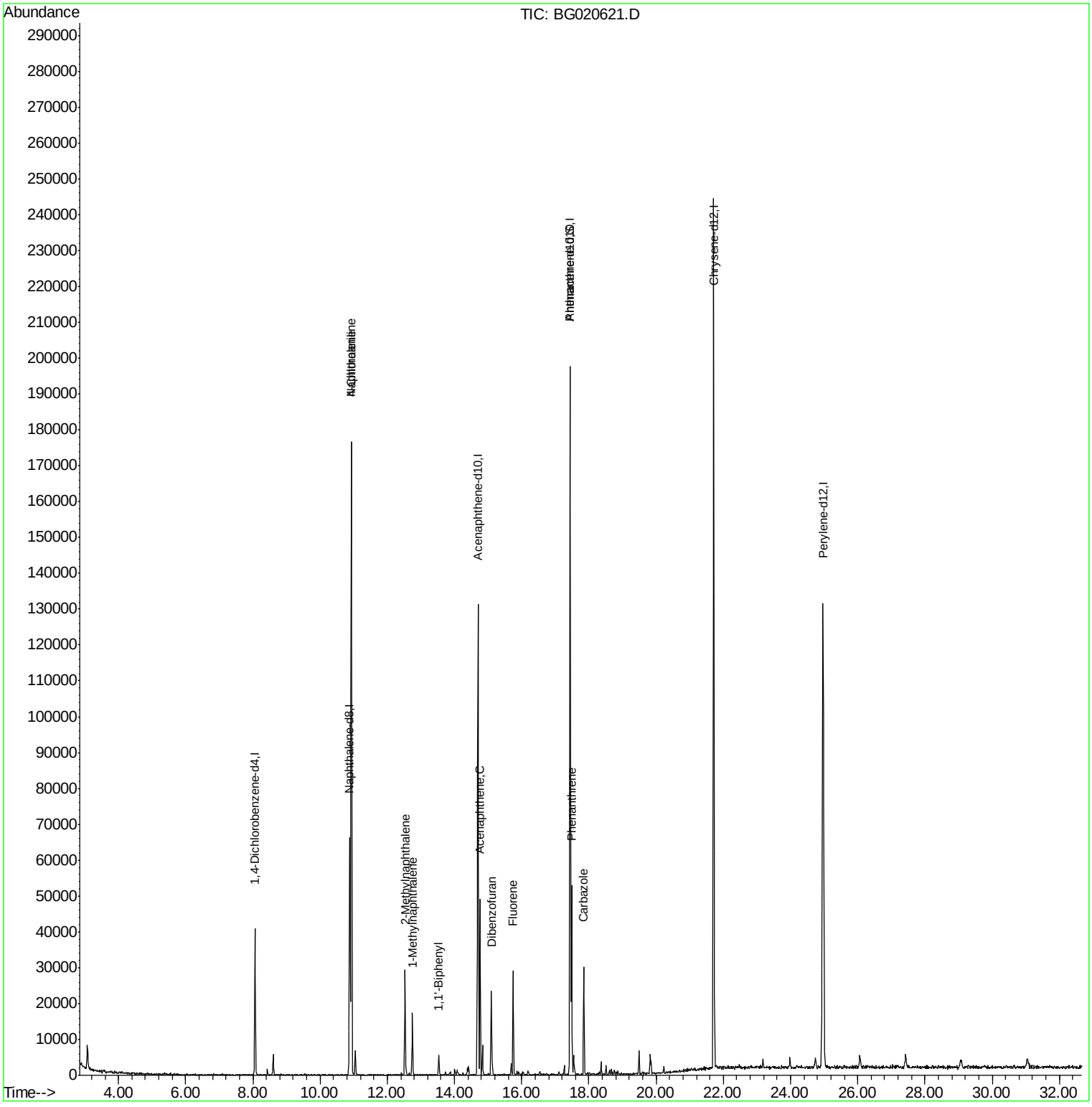
(#) = qualifier out of range (m) = manual integration (+) = signals summed

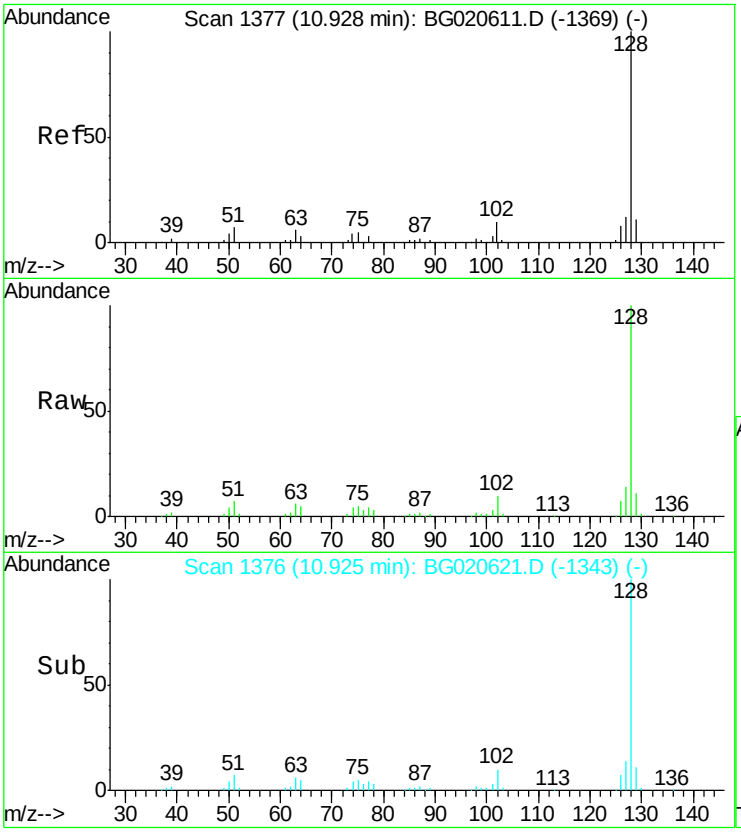
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG123015\
Data File : BG020621.D
Acq On : 30 Dec 2015 23:05
Operator : UM/SJ
Sample : G4846-03DL 100X
Misc :
ALS Vial : 30 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
D9N49DL

Quant Time: Dec 31 01:12:14 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 31 01:03:28 2015
Response via : Initial Calibration



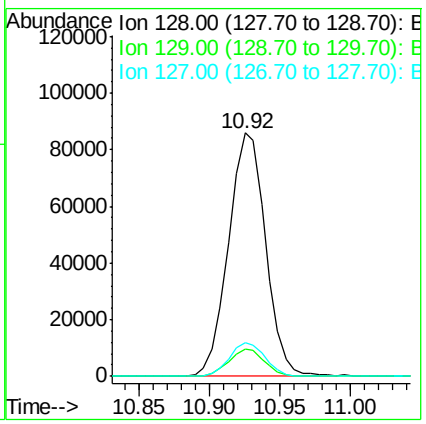


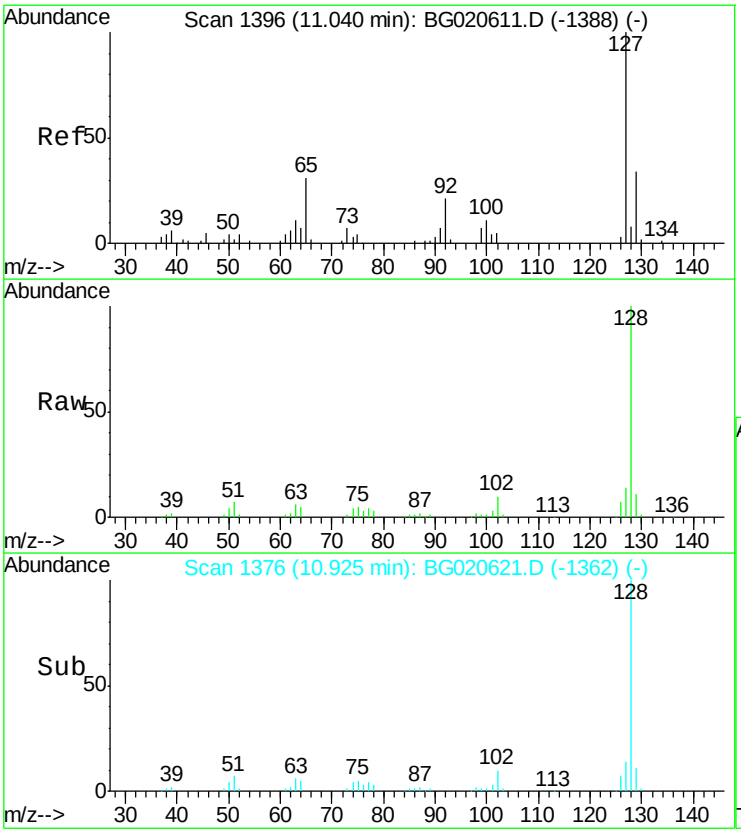

#28
Naphthalene
Concen: 50.20 ng/ul
RT: 10.92 min Scan# 1376
Delta R.T. -0.00 min
Lab File: BG020621.D
Acq: 30 Dec 2015 23:05

**Instrument :**
BNA_G
**ClientSampleId :**
D9N49DL

Tgt Ion:128 Resp: 157196

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.0 | 8.3 | 12.5 |
| 127 | 13.8 | 10.8 | 16.2 |

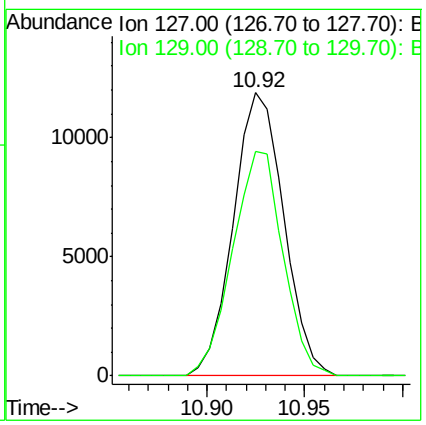


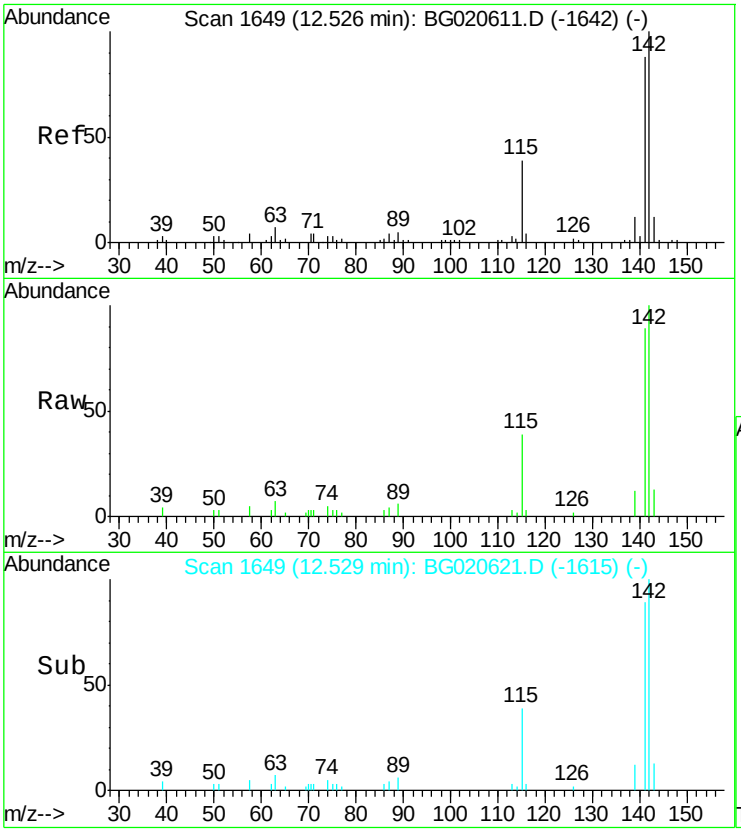




#30
4-Chloroaniline
Concen: 17.30 ng/ul
RT: 10.92 min Scan# 1376
Delta R.T. -0.11 min
Lab File: BG020621.D
Acq: 30 Dec 2015 23:05

Tgt Ion:127 Resp: 21252

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 79.5 | 24.6 | 37.0# |



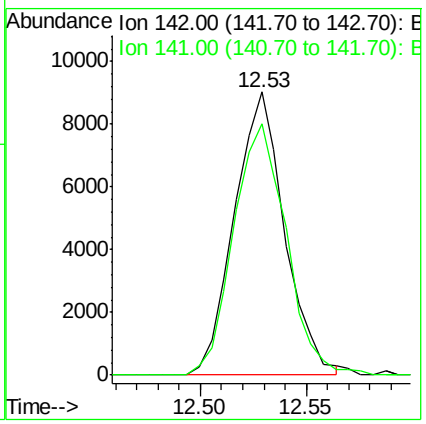


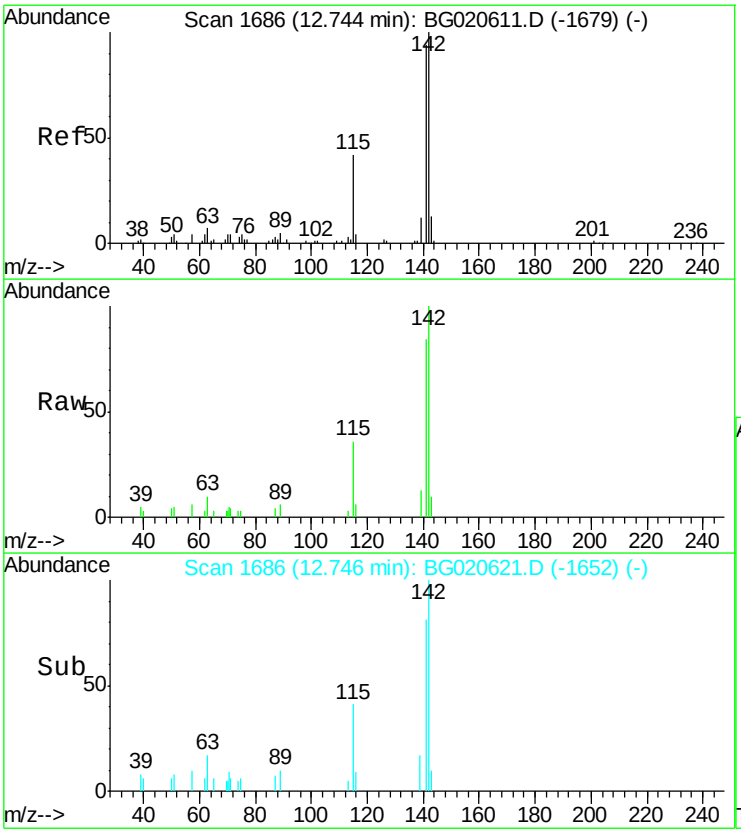

#34
2-Methylnaphthalene
Concen: 6.35 ng/ul
RT: 12.53 min Scan# 1649
Delta R.T. 0.00 min
Lab File: BG020621.D
Acq: 30 Dec 2015 23:05

**Instrument :**
BNA_G
**ClientSampleId :**
D9N49DL

Tgt Ion:142 Resp: 14873

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.6 | 71.4 | 107.2 |

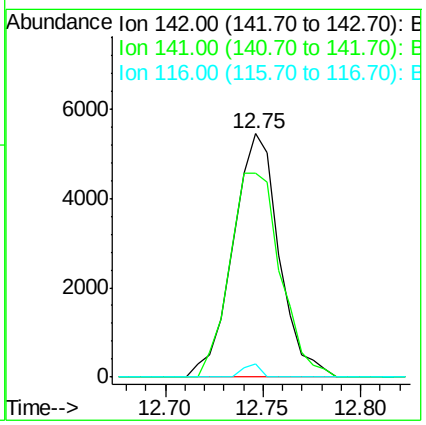


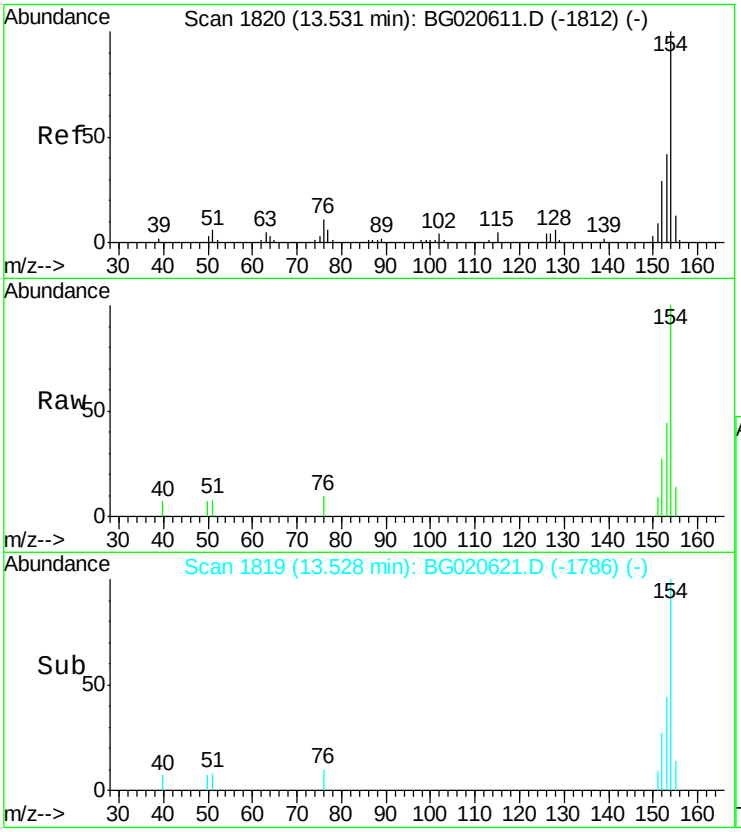




#35
1-Methylnaphthalene
Concen: 3.94 ng/ul
RT: 12.75 min Scan# 1686
Delta R.T. 0.00 min
Lab File: BG020621.D
Acq: 30 Dec 2015 23:05

Tgt Ion:142 Resp: 8903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 84.0 | 76.6 | 115.0 |
| 116 | 5.5 | 3.6 | 5.4# |



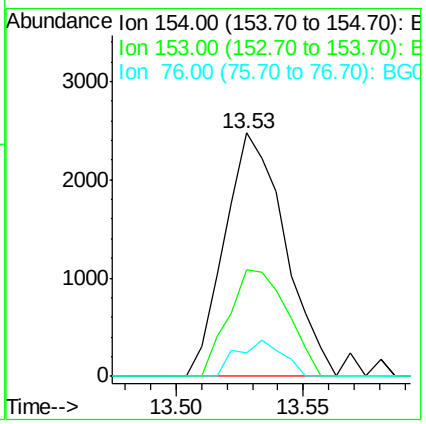


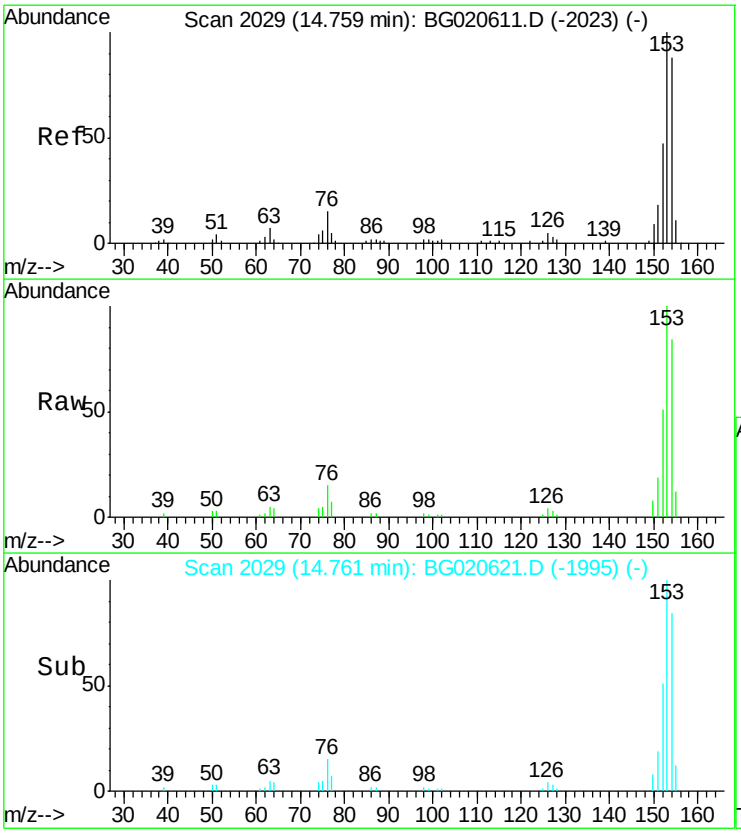

#41
1,1'-Biphenyl
Concen: 1.16 ng/ul
RT: 13.53 min Scan# 1819
Delta R.T. -0.00 min
Lab File: BG020621.D
Acq: 30 Dec 2015 23:05

**Instrument :**
BNA_G
**ClientSampleId :**
D9N49DL

Tgt Ion:154 Resp: 4101

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 43.7 | 34.0 | 51.0 |
| 76 | 9.6 | 8.4 | 12.6 |

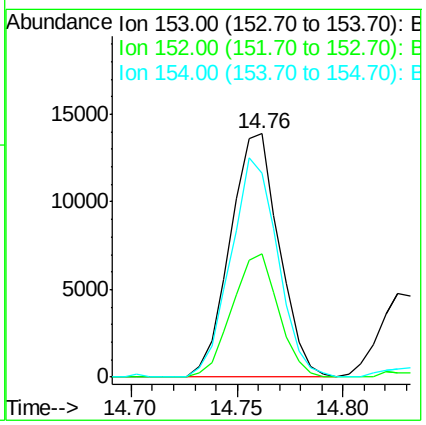


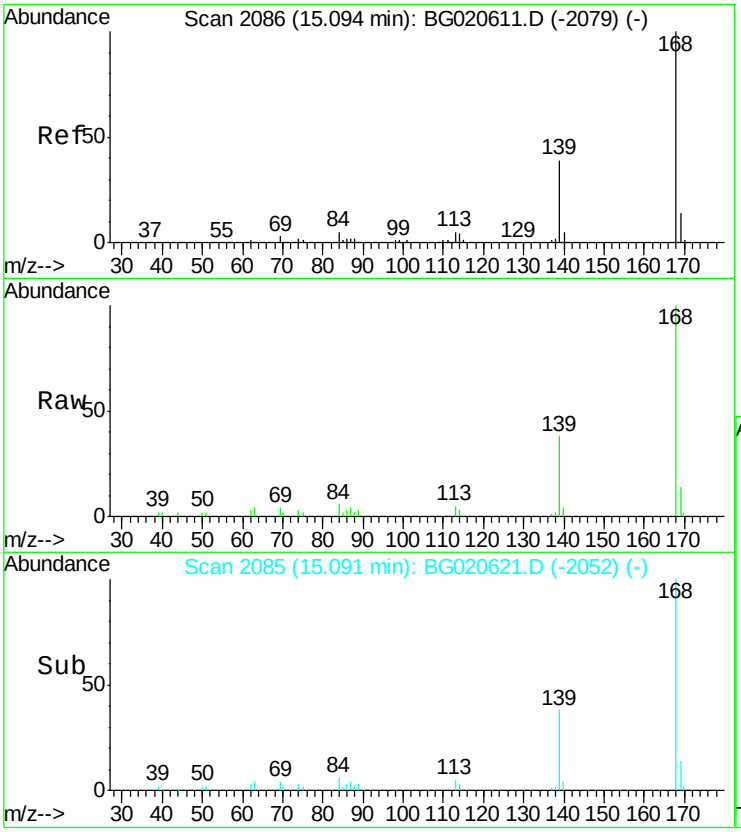




#50
Acenaphthene
Concen: 7.07 ng/ul
RT: 14.76 min Scan# 2029
Delta R.T. 0.00 min
Lab File: BG020621.D
Acq: 30 Dec 2015 23:05

Tgt Ion:153 Resp: 22326

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 50.8 | 37.9 | 56.9 |
| 154 | 83.7 | 69.8 | 104.6 |



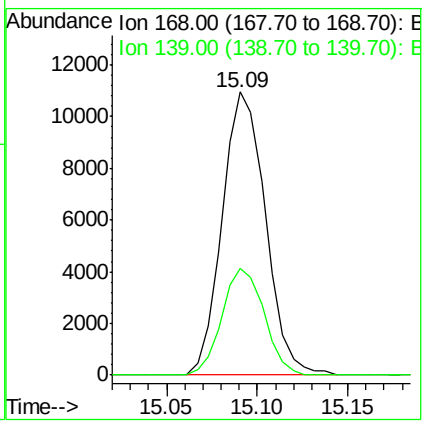


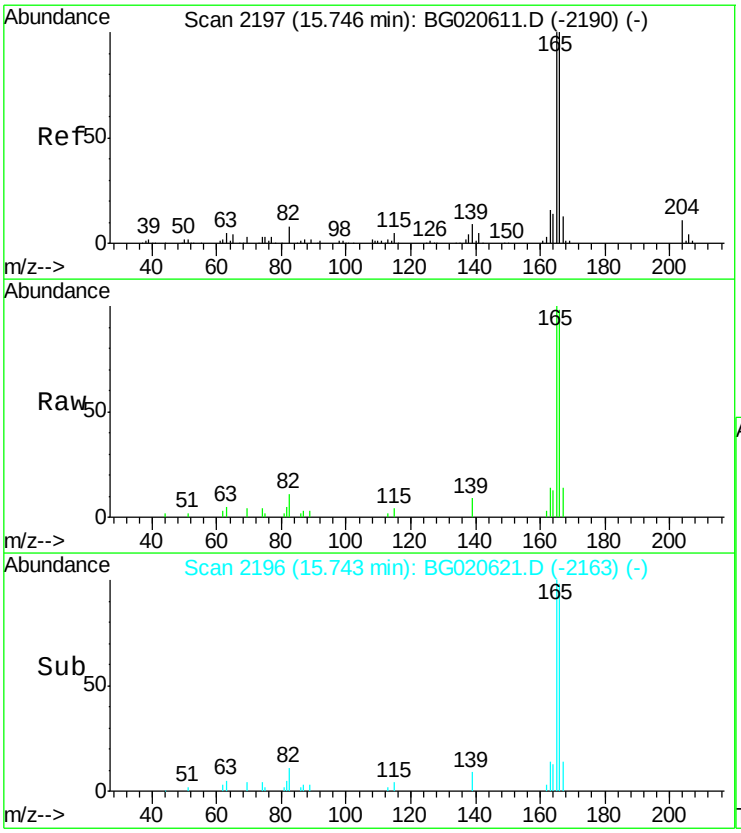

#54
Dibenzofuran
Concen: 3.81 ng/ul
RT: 15.09 min Scan# 2085
Delta R.T. -0.00 min
Lab File: BG020621.D
Acq: 30 Dec 2015 23:05

**Instrument :**
BNA_G
**ClientSampleId :**
D9N49DL

Tgt Ion:168 Resp: 18148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 37.6 | 31.0 | 46.4 |

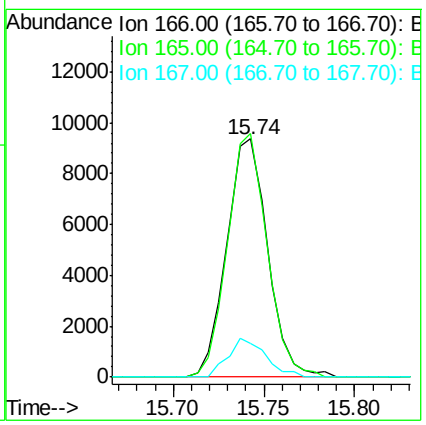


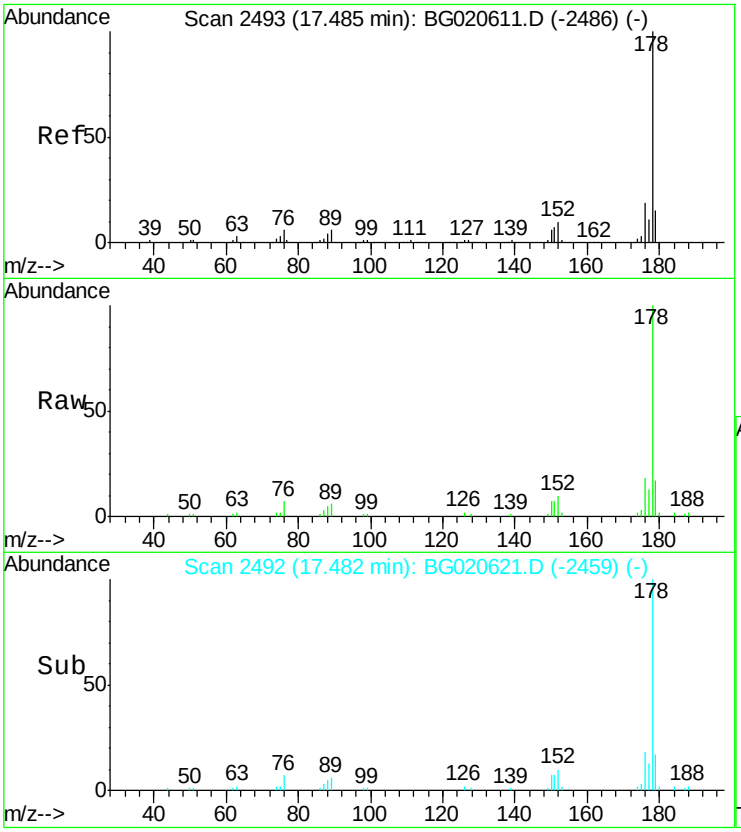




#59
Fluorene
Concen: 3.85 ng/ul
RT: 15.74 min Scan# 2196
Delta R.T. -0.00 min
Lab File: BG020621.D
Acq: 30 Dec 2015 23:05

Tgt Ion:166 Resp: 14759

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 102.3 | 78.4 | 117.6 |
| 167 | 14.4 | 11.1 | 16.7 |



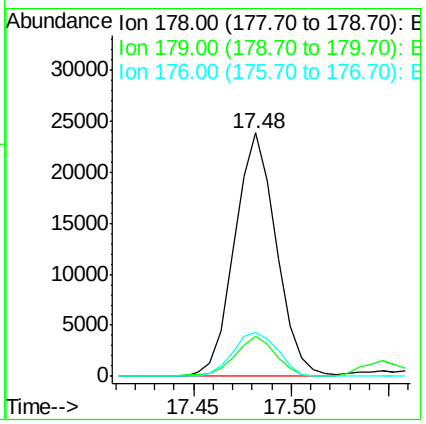


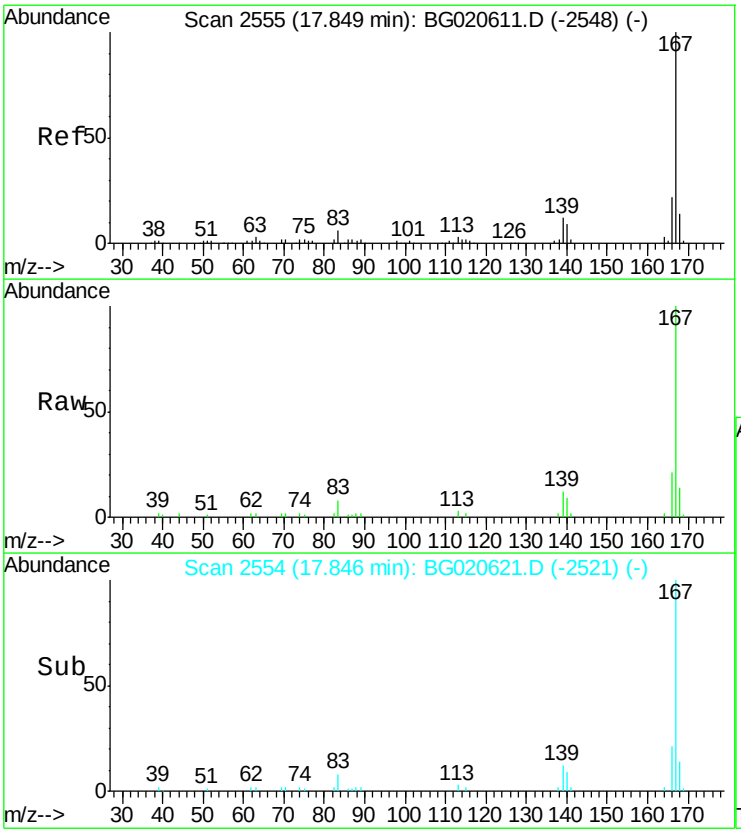

#70
Phenanthrene
Concen: 5.05 ng/ul
RT: 17.48 min Scan# 2492
Delta R.T. -0.00 min
Lab File: BG020621.D
Acq: 30 Dec 2015 23:05

**Instrument :**
BNA_G
**ClientSampleId :**
D9N49DL

Tgt Ion:178 Resp: 35325

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.7 | 12.3 | 18.5 |
| 176 | 18.1 | 15.4 | 23.0 |




#75
Carbazole
Concen: 3.91 ng/ul
RT: 17.85 min Scan# 2554
Delta R.T. -0.00 min
Lab File: BG020621.D
Acq: 30 Dec 2015 23:05

Tgt Ion:167 Resp: 23643

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 20.7 | 17.0 | 25.4 |
| 139 | 12.1 | 9.1 | 13.7 |