Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121016\
Data File : BG025096.D
Acq On : 11 Dec 2016 9:39
Operator : UM/SJ
Sample : H5905-18
Misc :
ALS Vial : 31 Sample Multiplier: 1

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

Quant Time: Dec 12 06:39:15 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 12 06:35:19 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.24 | 152 | 107598 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 11.06 | 136 | 504811 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.86 | 164 | 363695 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.60 | 188 | 745536 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.89 | 240 | 954730 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 25.30 | 264 | 989247 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.59 | 96 | 11441 | 5.49 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.39 | 99 | 166545 | 17.94 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.55 | 67 | 117412 | 20.45 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.76 | 132 | 124973 | 19.25 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.94 | 113 | 148930 | 19.20 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.42 | 128 | 74765 | 20.91 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 10.14 | 143 | 77799 | 17.46 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.68 | 165 | 167797 | 19.58 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 11.20 | 131 | 487290 | 57.85 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 14.26 | 166 | 491874 | 19.66 | ng/ul | 0.01 |
| 46) Acenaphthylene-d8 | 14.56 | 160 | 590539 | 21.55 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 15.06 | 143 | 100296 | 23.33 | ng/ul | 0.02 |
| 57) Fluorene-d10 | 15.85 | 176 | 572982 | 24.33 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.97 | 200 | 102919 | 22.33 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.70 | 188 | 691519 | 21.98 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 19.97 | 212 | 821262 | 20.88 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 25.07 | 264 | 872231 | 21.76 | ng/ul | 0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 4) Benzaldehyde | 7.36 | 77 | 19804 | 2.83 | ng/ul# | 1 |
| 6) Phenol | 7.41 | 94 | 83507 | 8.76 | ng/ul | 92 |
| 11) 2-Methylphenol | 8.67 | 108 | 223374 | 31.84 | ng/ul | 99 |
| 14) Acetophenone | 9.03 | 105 | 153289 | 12.98 | ng/ul# | 60 |
| 16) 4-Methylphenol | 9.01 | 108 | 656820 | 84.16 | ng/ul | 90 |
| 17) Hexachloroethane | 9.34 | 117 | 36363 | 12.58 | ng/ul# | 1 |
| 20) Nitrobenzene | 9.42 | 77 | 15841 | 1.44 | ng/ul# | 20 |
| 24) 2,4-Dimethylphenol | 10.22 | 107 | 439791 | 42.54 | ng/ul | 94 |
| 25) Bis(2-Chloroethoxy)methane | 10.48 | 93 | 48502 | 4.58 | ng/ul# | 7 |
| 27) 2,4-Dichlorophenol | 10.69 | 162 | 159663 | 19.19 | ng/ul# | 31 |
| 28) Naphthalene | 11.12 | 128 | 1657048 | 70.61 | ng/ul | 97 |
| 34) 2-Methylnaphthalene | 12.71 | 142 | 2752362 | 148.63 | ng/ul | 93 |
| 40) 1,1'-Biphenyl | 13.70 | 154 | 641905 | 29.11 | ng/ul | 100 |
| 44) Dimethylphthalate | 14.30 | 163 | 234575 | 9.54 | ng/ul | 97 |
| 47) Acenaphthylene | 14.58 | 152 | 78061 | 2.93 | ng/ul# | 5 |
| 49) Acenaphthene | 14.93 | 153 | 165809 | 9.09 | ng/ul# | 84 |
| 53) Dibenzofuran | 15.26 | 168 | 406613 | 14.09 | ng/ul | 95 |
| 58) Fluorene | 15.90 | 166 | 439229 | 18.69 | ng/ul# | 97 |
| 60) 4-Nitroaniline | 15.90 | 138 | 10843 | 1.97 | ng/ul# | 35 |
| 64) N-Nitrosodiphenylamine | 16.10 | 169 | 88166 | 4.60 | ng/ul# | 52 |
| 69) Phenanthrene | 17.64 | 178 | 188723 | 5.30 | ng/ul | 98 |
| 71) Anthracene | 17.74 | 178 | 47329 | 1.29 | ng/ul# | 85 |

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121016\
Data File : BG025096.D
Acq On : 11 Dec 2016 9:39
Operator : UM/SJ
Sample : H5905-18
Misc :
ALS Vial : 31 Sample Multiplier: 1

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

Quant Time: Dec 12 06:39:15 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 12 06:35:19 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

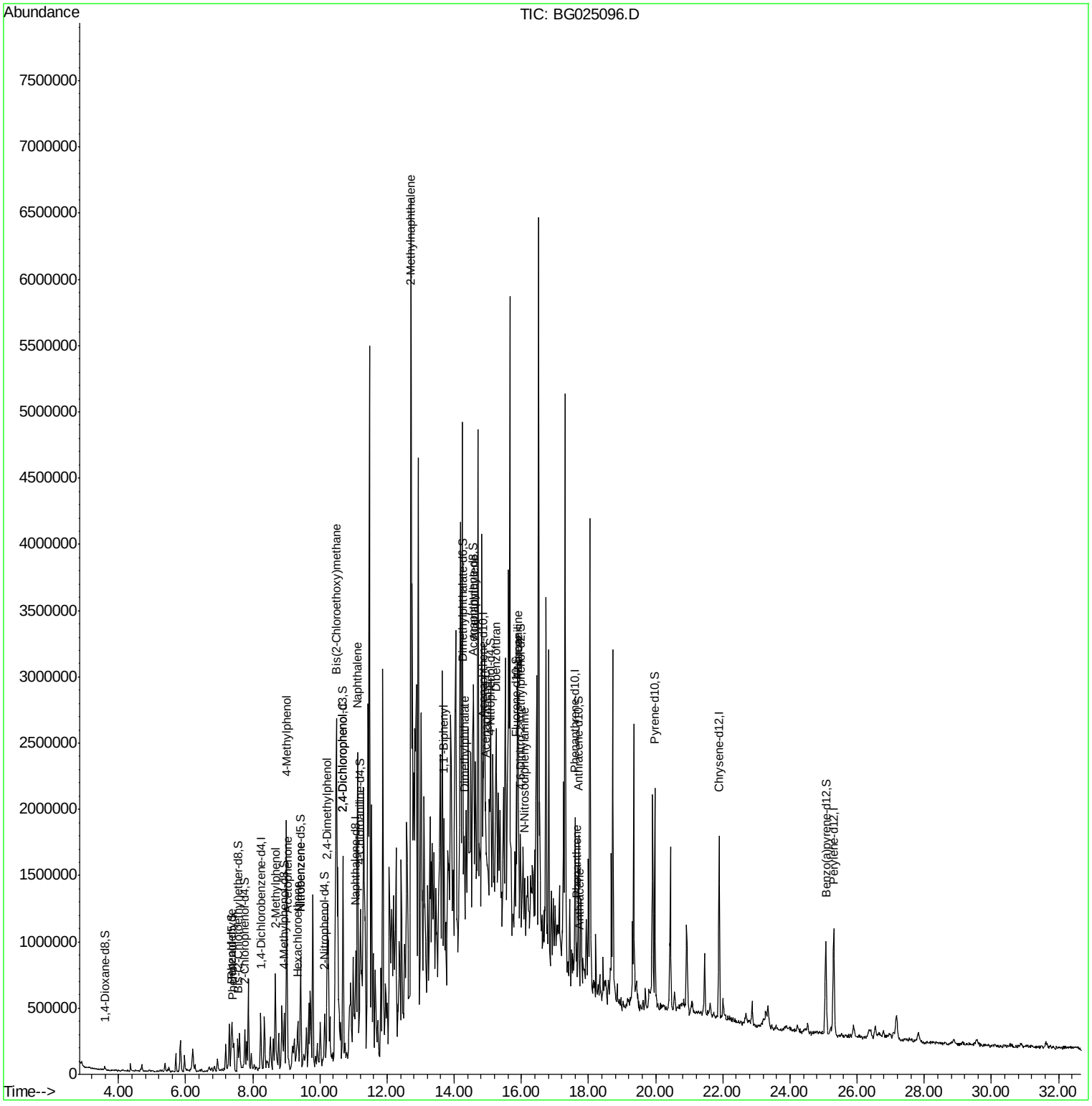
(#) = qualifier out of range (m) = manual integration (+) = signals summed

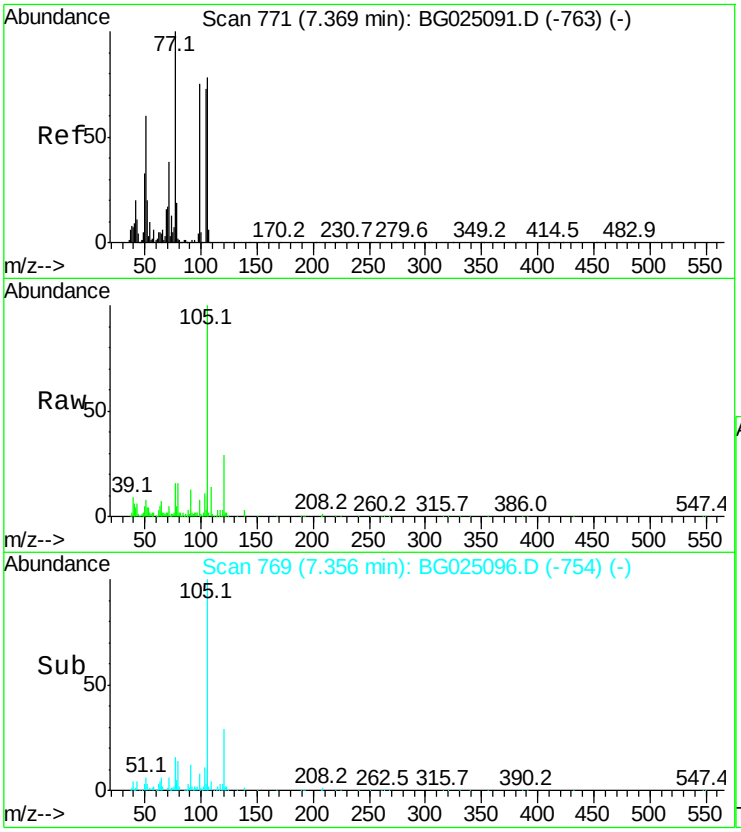
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121016\
Data File : BG025096.D
Acq On : 11 Dec 2016 9:39
Operator : UM/SJ
Sample : H5905-18
Misc :
ALS Vial : 31 Sample Multiplier: 1

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

Quant Time: Dec 12 06:39:15 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 12 06:35:19 2016
Response via : Initial Calibration

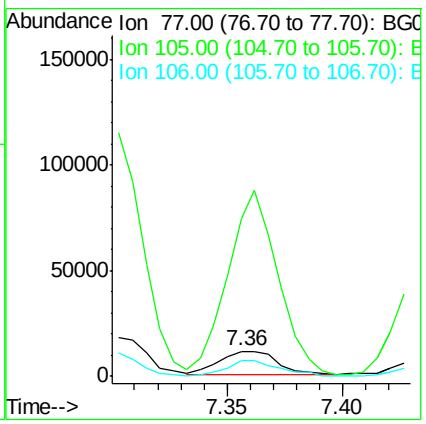




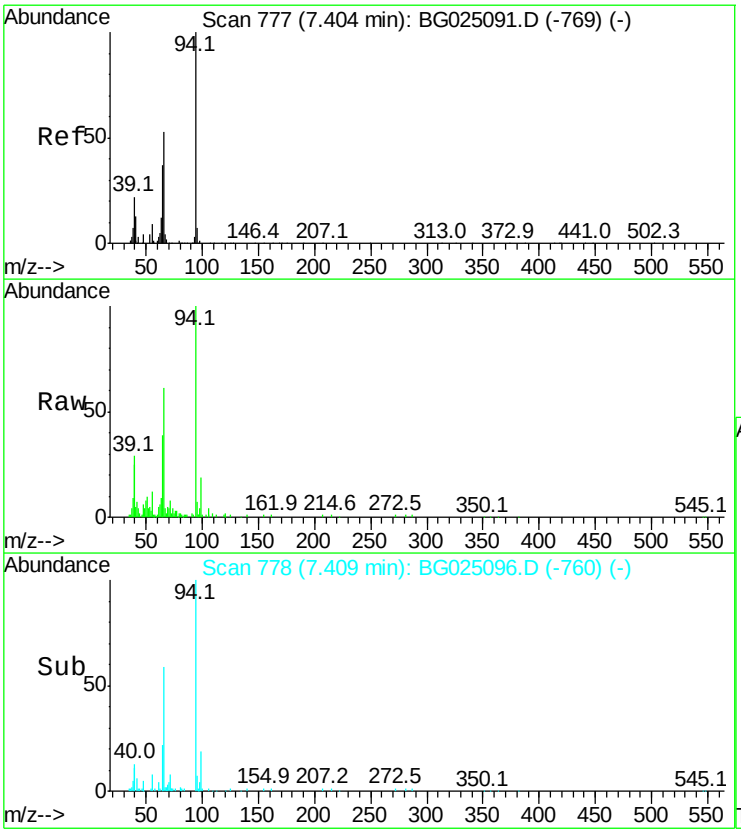

#4
Benzaldehyde
Concen: 2.83 ng/ul
RT: 7.36 min Scan# 769
Delta R.T. -0.01 min
Lab File: BG025096.D
Acq: 11 Dec 2016 9:39

Tgt Ion: 77 Resp: 19804

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 635.8 | 62.0 | 93.0# |
| 106 | 66.2 | 60.2 | 90.4 |



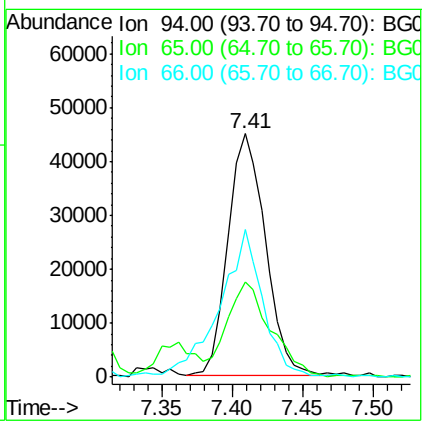

**Instrument :**
BNA_G
**ClientSampleId :**

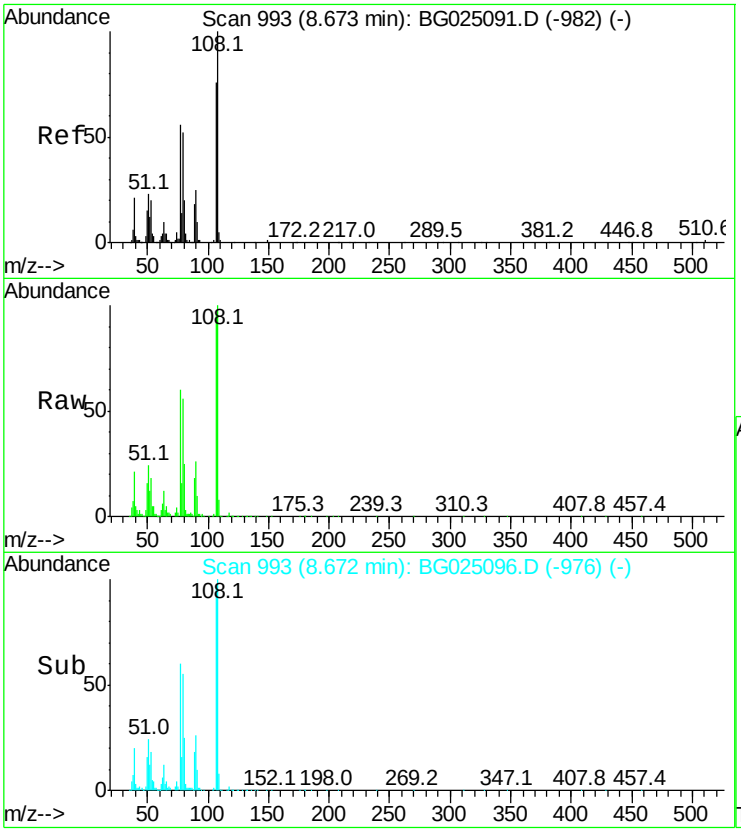



#6
Phenol
Concen: 8.76 ng/ul
RT: 7.41 min Scan# 778
Delta R.T. 0.01 min
Lab File: BG025096.D
Acq: 11 Dec 2016 9:39

Tgt Ion: 94 Resp: 83507

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 39.2 | 26.8 | 40.2 |
| 66 | 60.6 | 44.4 | 66.6 |



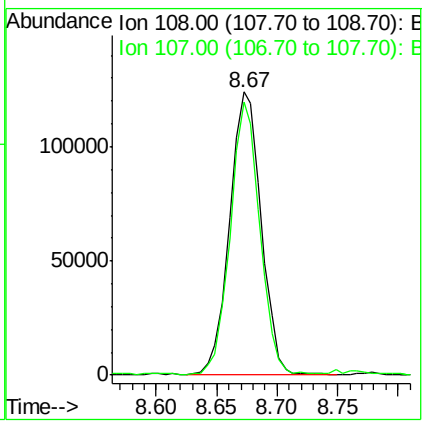


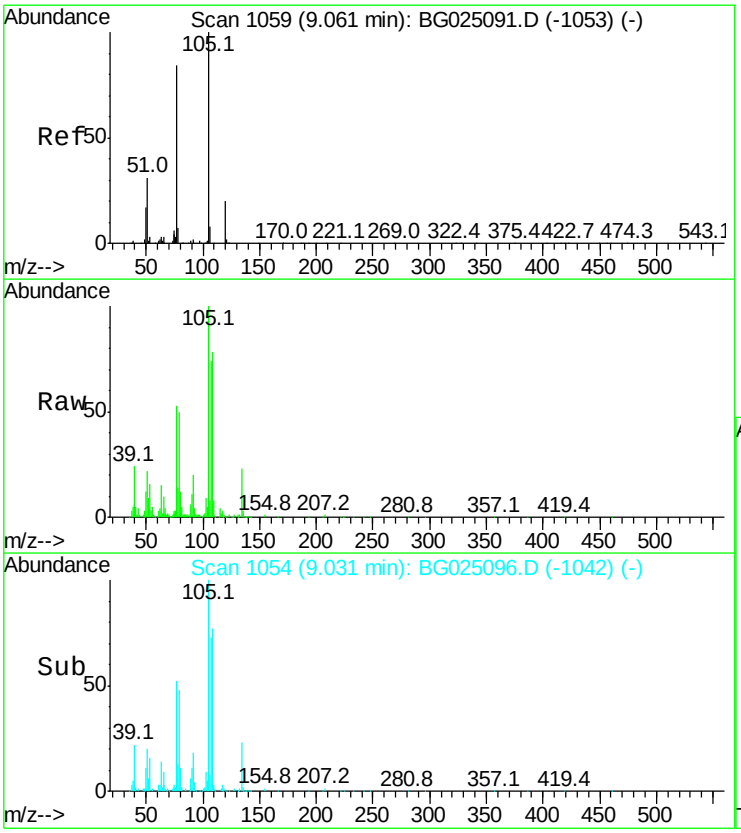

#11
2-Methylphenol
Concen: 31.84 ng/ul
RT: 8.67 min Scan# 993
Delta R.T. -0.00 min
Lab File: BG025096.D
Acq: 11 Dec 2016 9:39

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

Tgt Ion:108 Resp: 223374

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 108 | 100 | | |
| 107 | 96.4 | 76.7 | 115.1 |

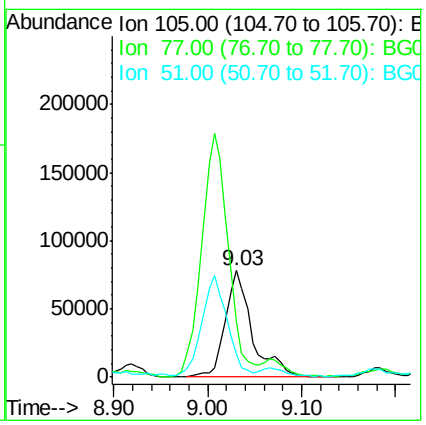


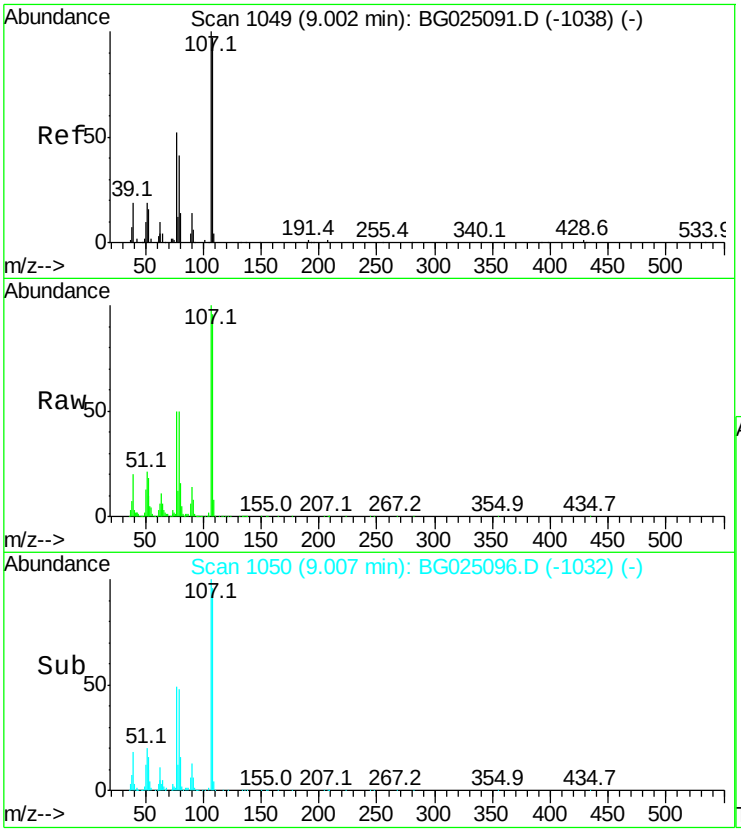




#14
Acetophenone
Concen: 12.98 ng/ul
RT: 9.03 min Scan# 1054
Delta R.T. -0.03 min
Lab File: BG025096.D
Acq: 11 Dec 2016 9:39

Tgt Ion:105 Resp: 153289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 77 | 52.7 | 76.0 | 114.0# |
| 51 | 21.8 | 34.8 | 52.2# |

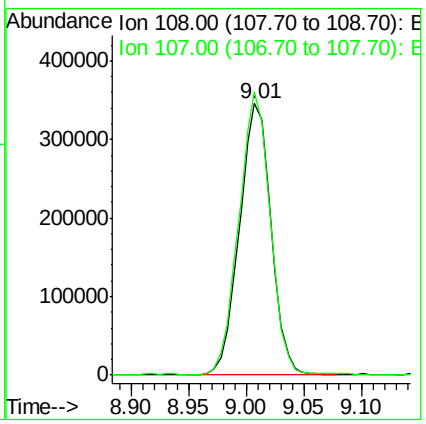




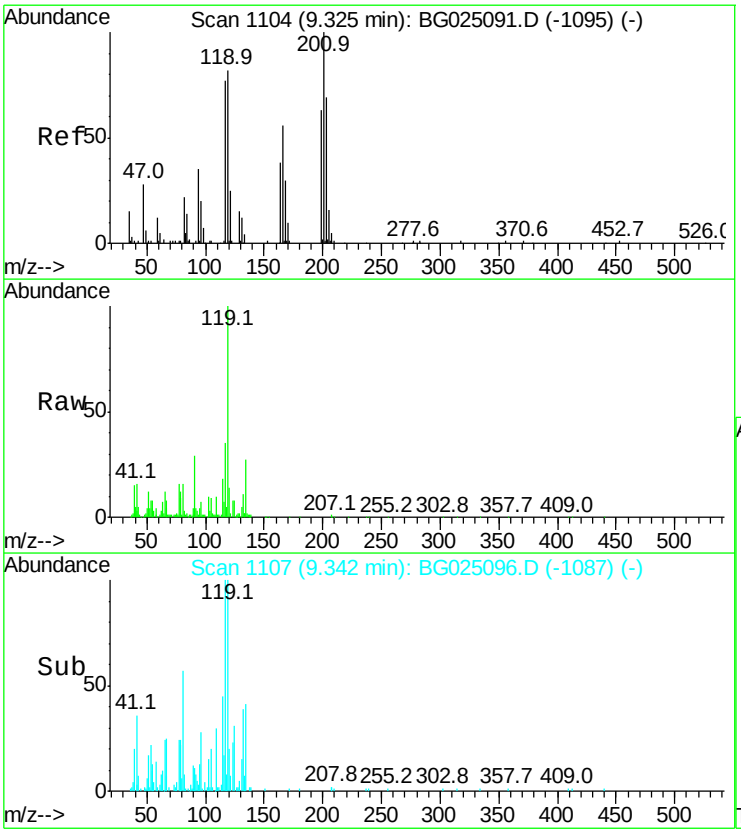

#16
4-Methylphenol
Concen: 84.16 ng/ul
RT: 9.01 min Scan# 1050
Delta R.T. 0.01 min
Lab File: BG025096.D
Acq: 11 Dec 2016 9:39

Tgt Ion:108 Resp: 656820

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 108 | 100 | | |
| 107 | 104.3 | 91.7 | 137.5 |



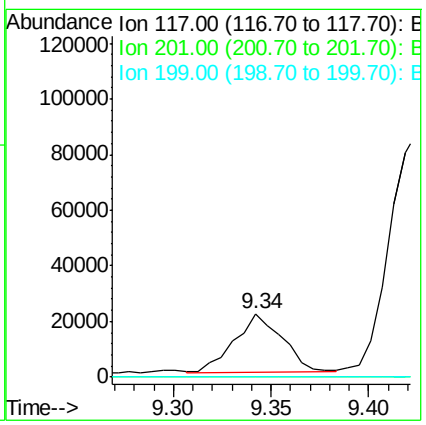

**Instrument :**
BNA_G
**ClientSampleId :**

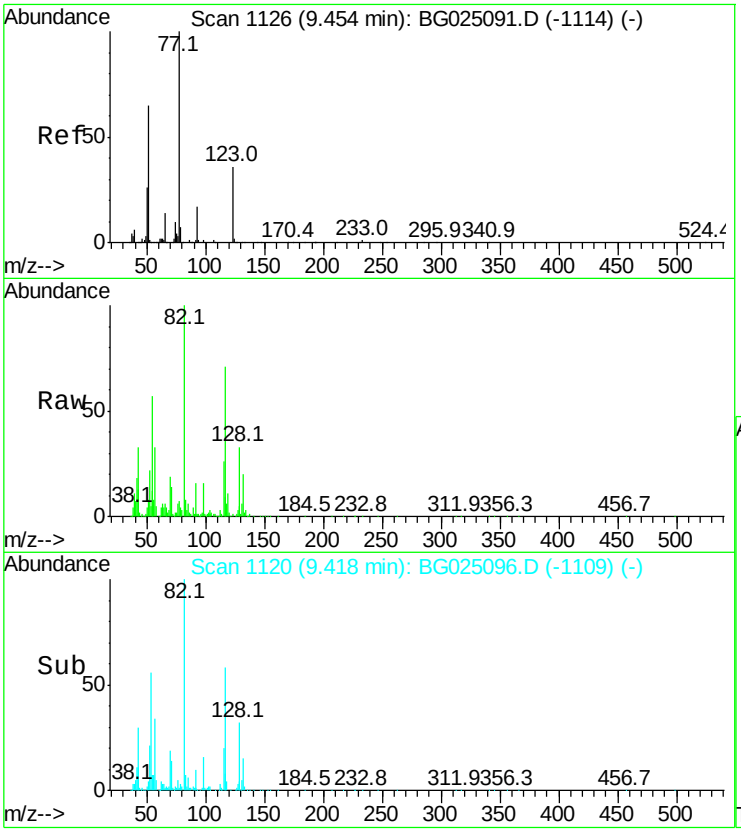



#17
Hexachloroethane
Concen: 12.58 ng/ul
RT: 9.34 min Scan# 1107
Delta R.T. 0.02 min
Lab File: BG025096.D
Acq: 11 Dec 2016 9:39

Tgt Ion:117 Resp: 36363

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 0.0 | 91.9 | 137.9# |
| 199 | 0.0 | 64.3 | 96.5# |



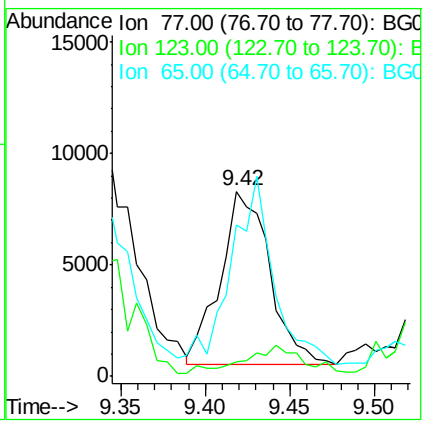


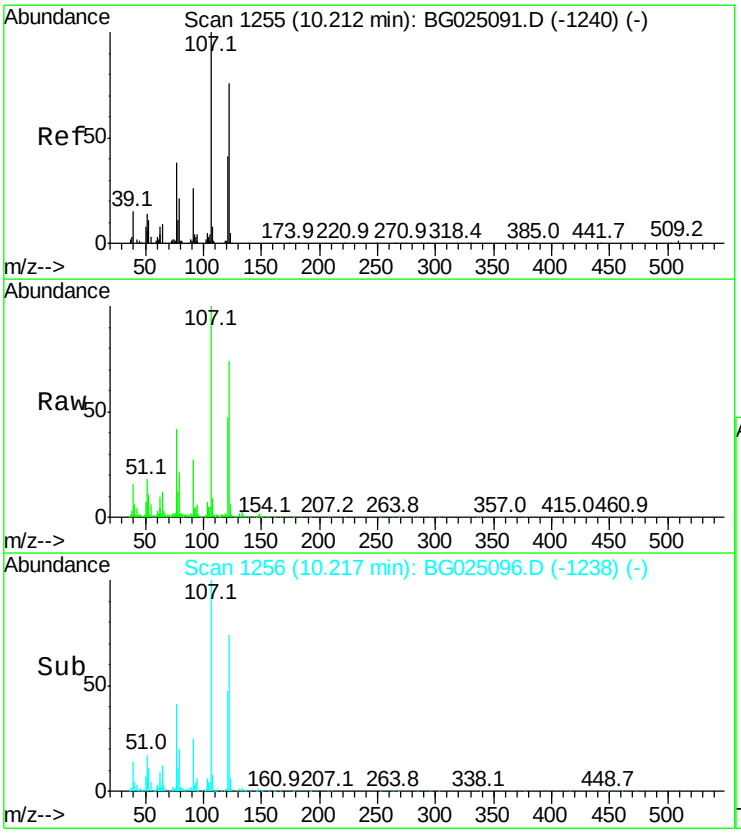

#20
Nitrobenzene
Concen: 1.44 ng/ul
RT: 9.42 min Scan# 1120
Delta R.T. -0.04 min
Lab File: BG025096.D
Acq: 11 Dec 2016 9:39

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

Tgt Ion: 77 Resp: 15841

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 7.6 | 27.4 | 41.0# |
| 65 | 81.4 | 13.3 | 19.9# |

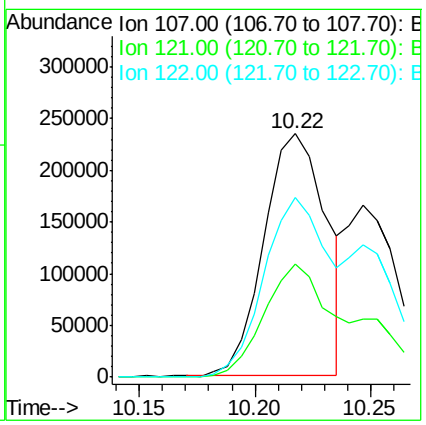


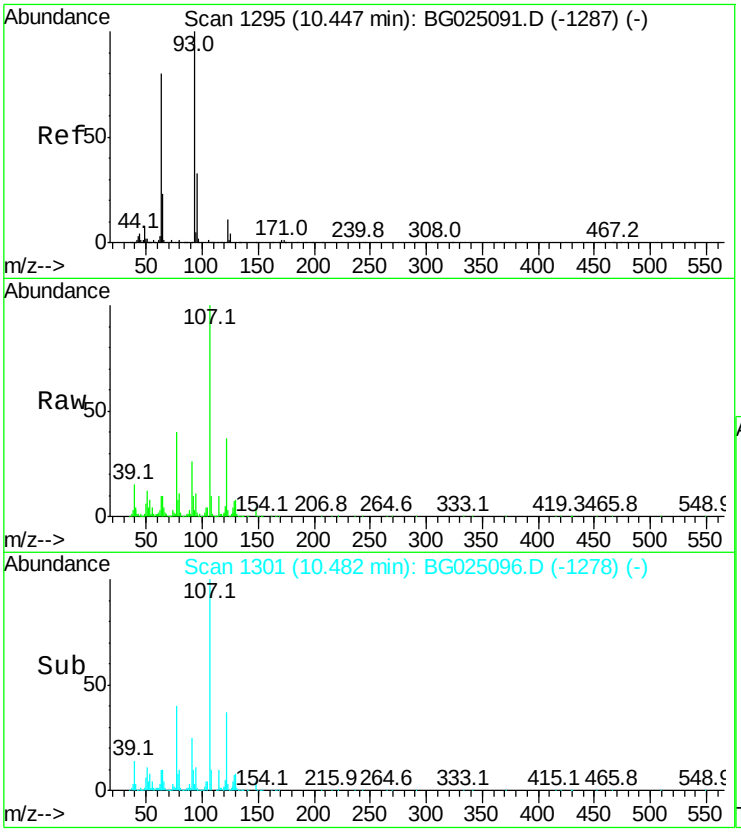




#24
2,4-Dimethylphenol
Concen: 42.54 ng/ul
RT: 10.22 min Scan# 1256
Delta R.T. 0.01 min
Lab File: BG025096.D
Acq: 11 Dec 2016 9:39

Tgt Ion:107 Resp: 439791

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 121 | 46.6 | 32.3 | 48.5 |
| 122 | 73.7 | 61.2 | 91.8 |



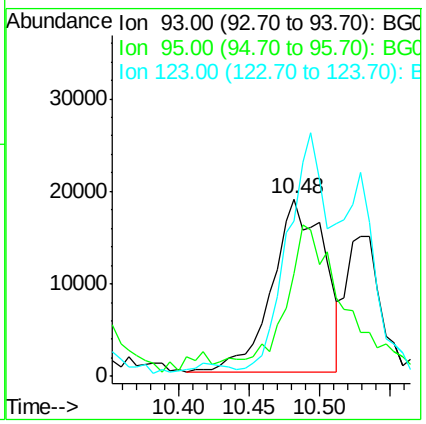


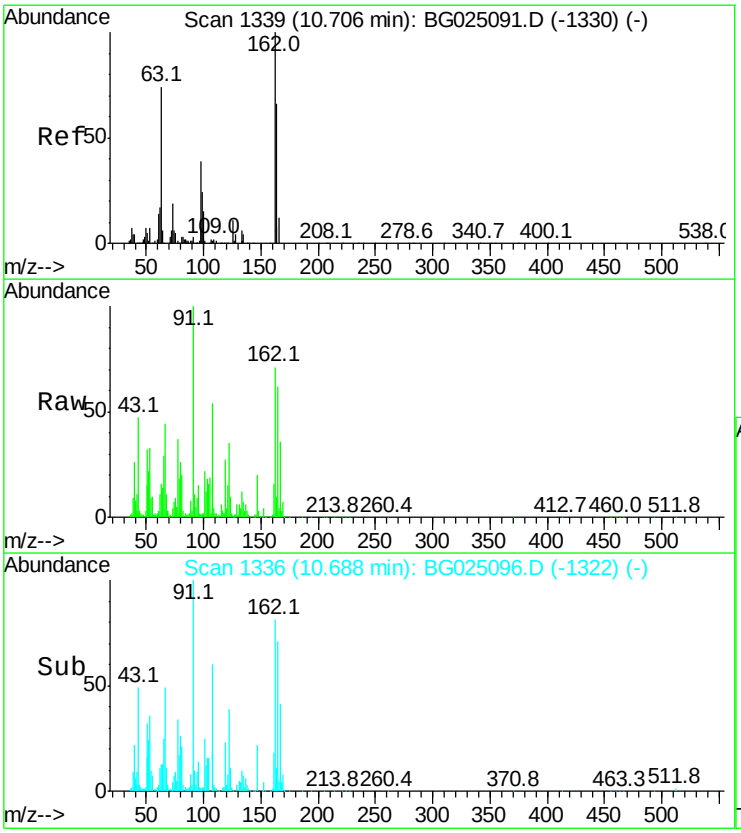

#25
Bis(2-Chloroethoxy)methane
Concen: 4.58 ng/ul
RT: 10.48 min Scan# 1301
Delta R.T. 0.03 min
Lab File: BG025096.D
Acq: 11 Dec 2016 9:39

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

Tgt Ion: 93 Resp: 48502

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 58.0 | 23.4 | 35.0# |
| 123 | 87.5 | 7.8 | 11.6# |

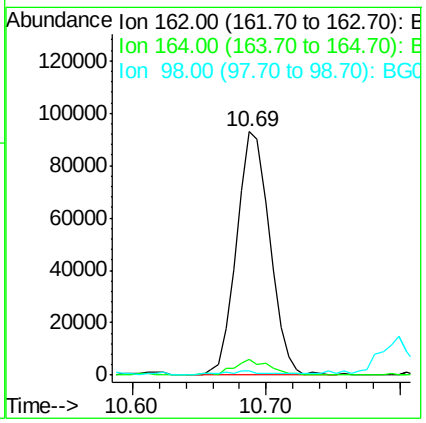


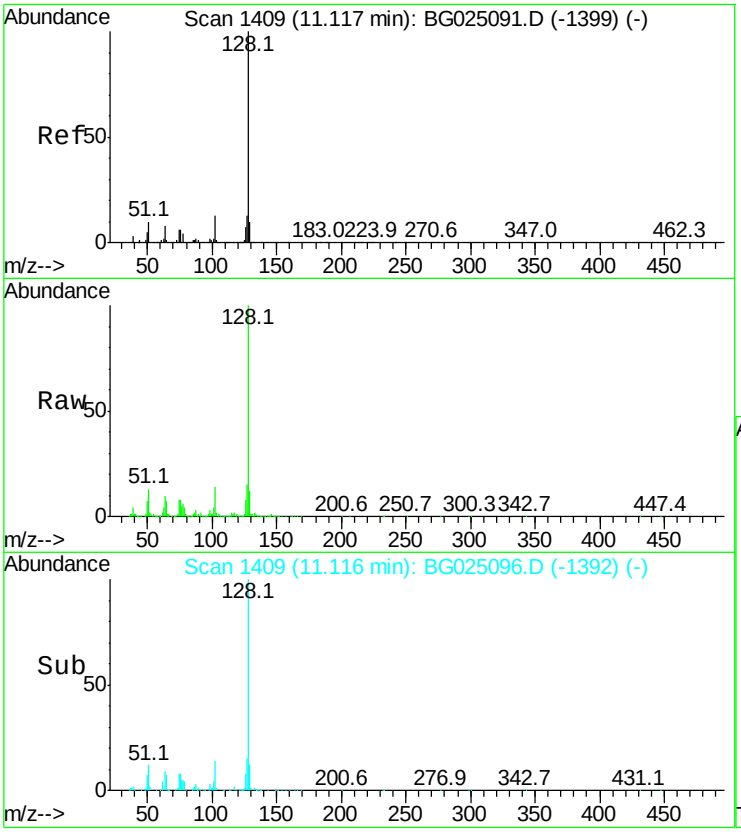




#27
2,4-Dichlorophenol
Concen: 19.19 ng/ul
RT: 10.69 min Scan# 1336
Delta R.T. -0.02 min
Lab File: BG025096.D
Acq: 11 Dec 2016 9:39

Tgt Ion:162 Resp: 159663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 6.3 | 50.8 | 76.2# |
| 98 | 1.7 | 32.1 | 48.1# |



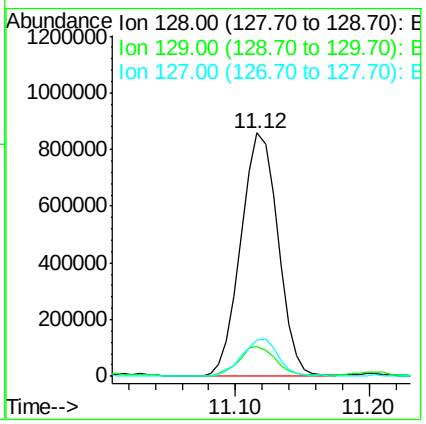


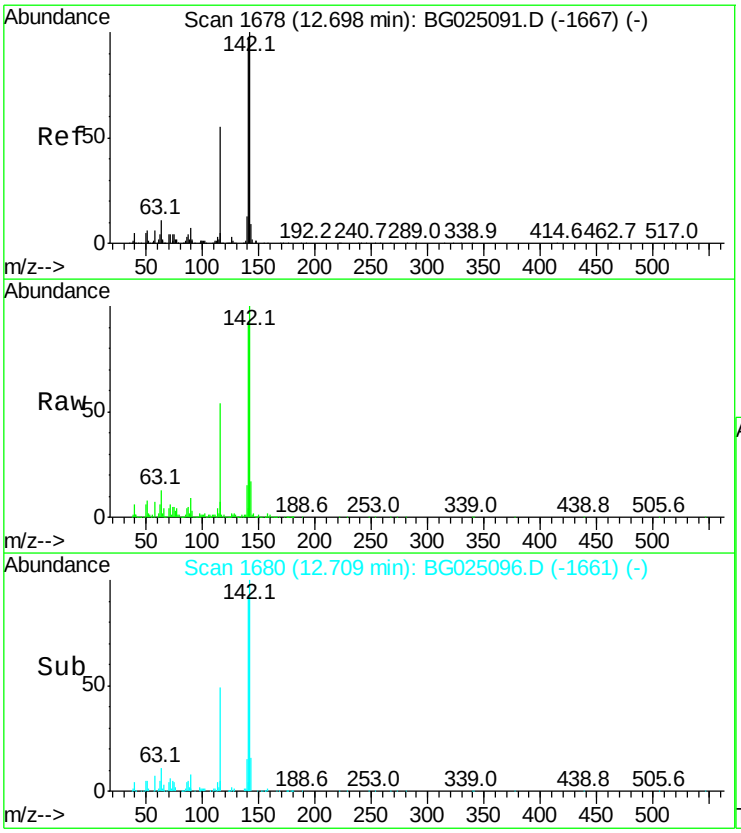

#28
Naphthalene
Concen: 70.61 ng/ul
RT: 11.12 min Scan# 1409
Delta R.T. -0.00 min
Lab File: BG025096.D
Acq: 11 Dec 2016 9:39

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

Tgt Ion:128 Resp: 1657048

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 12.4 | 9.4 | 14.2 |
| 127 | 14.9 | 10.3 | 15.5 |

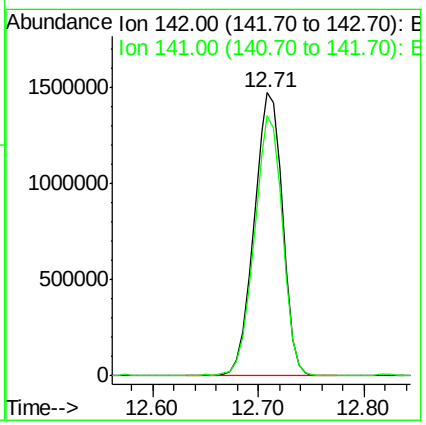


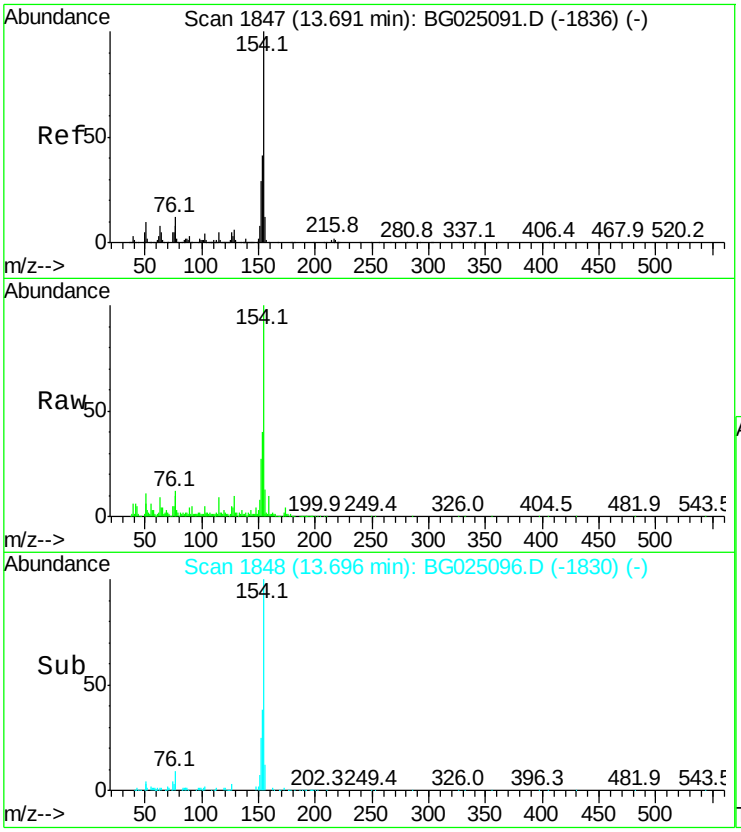




#34
2-Methylnaphthalene
Concen: 148.63 ng/ul
RT: 12.71 min Scan# 1680
Delta R.T. 0.01 min
Lab File: BG025096.D
Acq: 11 Dec 2016 9:39

Tgt Ion:142 Resp: 2752362

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.9 | 68.6 | 102.8 |



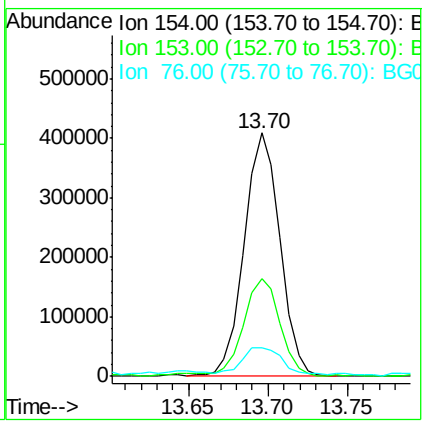


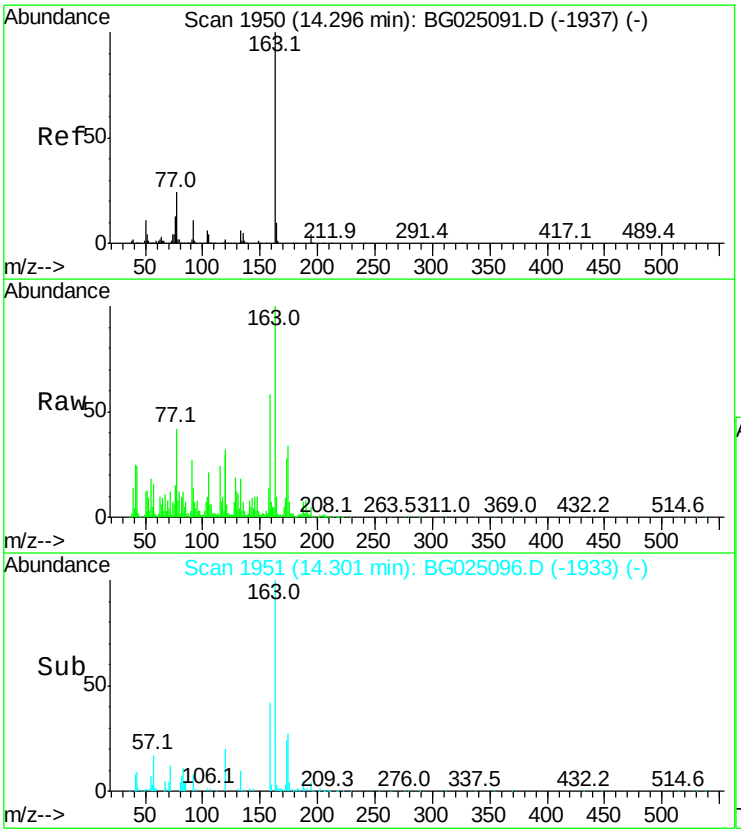

#40
1,1'-Biphenyl
Concen: 29.11 ng/ul
RT: 13.70 min Scan# 1848
Delta R.T. 0.01 min
Lab File: BG025096.D
Acq: 11 Dec 2016 9:39

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

Tgt Ion:154 Resp: 641905

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.3 | 32.2 | 48.2 |
| 76 | 11.9 | 9.6 | 14.4 |

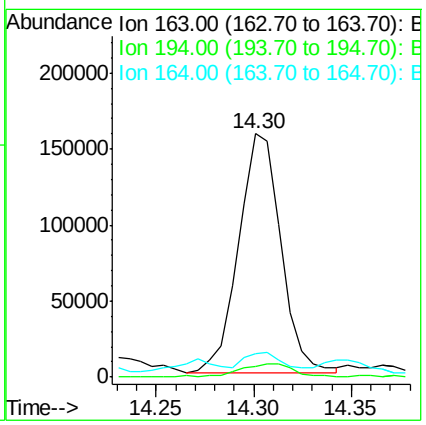


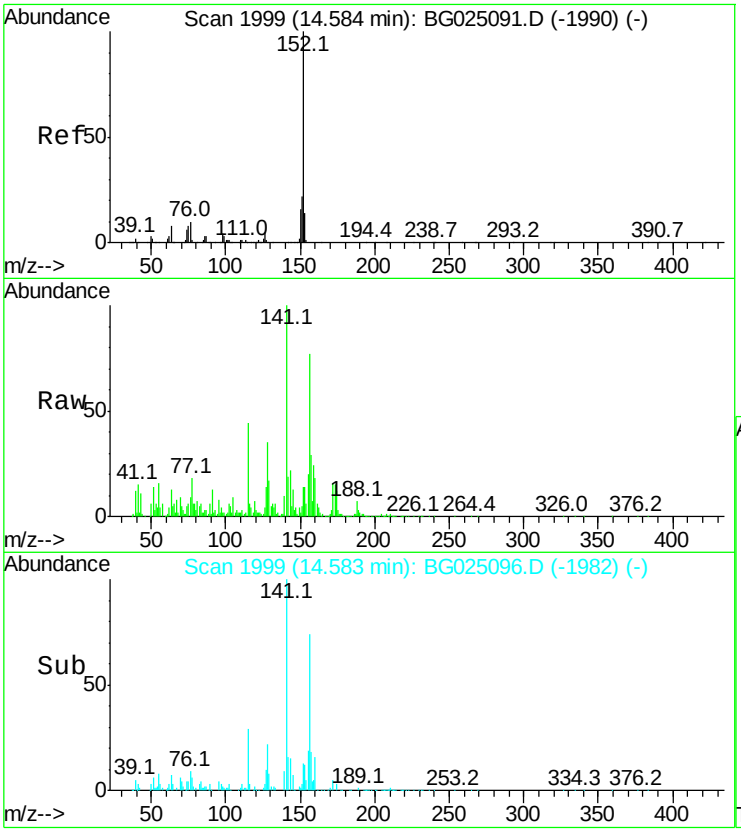




#44
Dimethylphthalate
Concen: 9.54 ng/ul
RT: 14.30 min Scan# 1951
Delta R.T. 0.01 min
Lab File: BG025096.D
Acq: 11 Dec 2016 9:39

Tgt Ion:163 Resp: 234575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.6 | 3.4 | 5.0 |
| 164 | 9.8 | 9.0 | 13.4 |



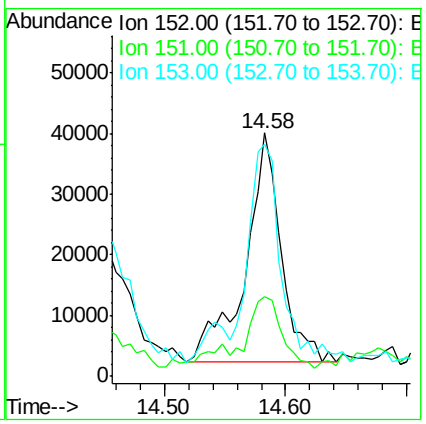


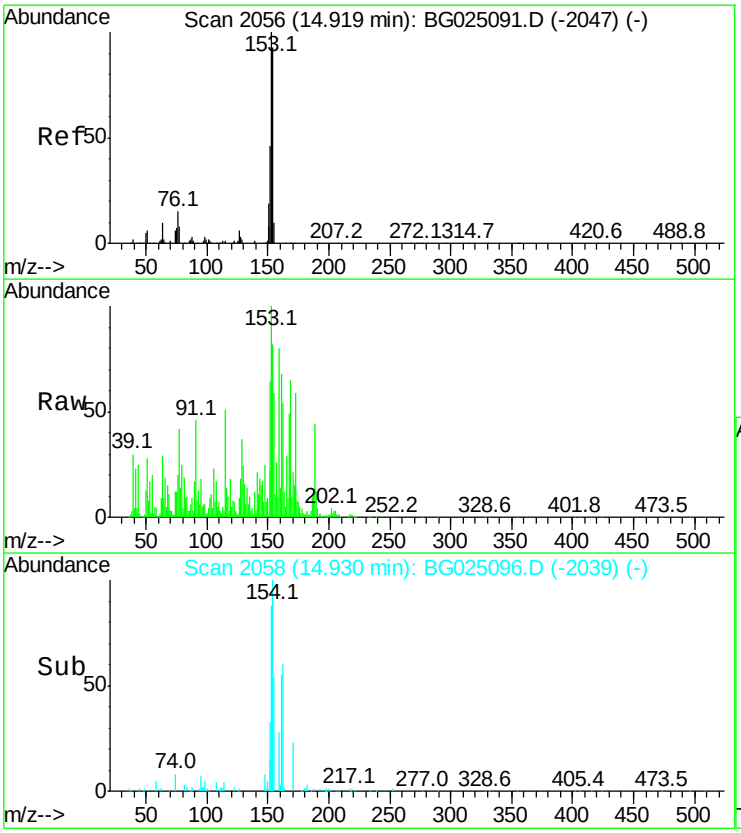

#47
Acenaphthylene
Concen: 2.93 ng/ul
RT: 14.58 min Scan# 1999
Delta R.T. -0.00 min
Lab File: BG025096.D
Acq: 11 Dec 2016 9:39

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

Tgt Ion:152 Resp: 78061

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 32.6 | 16.7 | 25.1# |
| 153 | 95.1 | 11.4 | 17.2# |

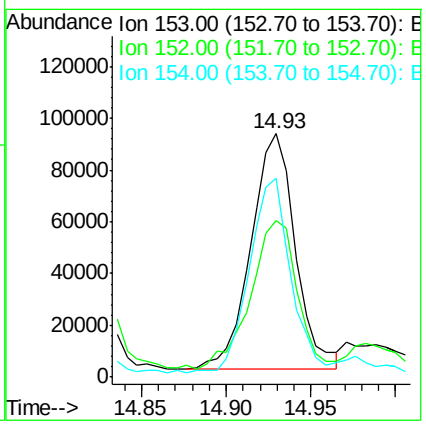


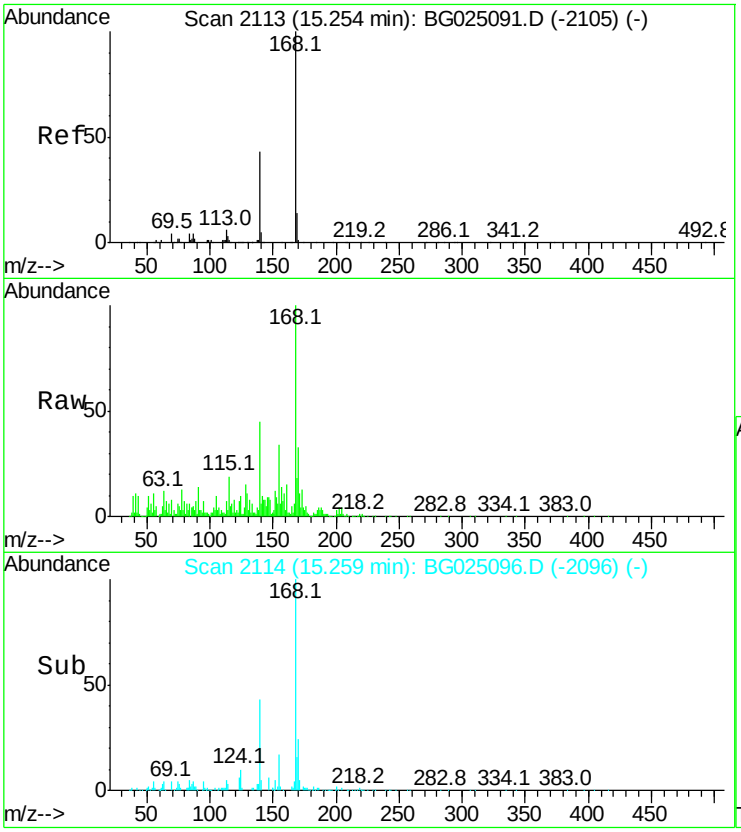




#49
Acenaphthene
Concen: 9.09 ng/ul
RT: 14.93 min Scan# 2058
Delta R.T. 0.01 min
Lab File: BG025096.D
Acq: 11 Dec 2016 9:39

Tgt Ion:153 Resp: 165809

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 64.5 | 36.5 | 54.7# |
| 154 | 81.9 | 72.3 | 108.5 |



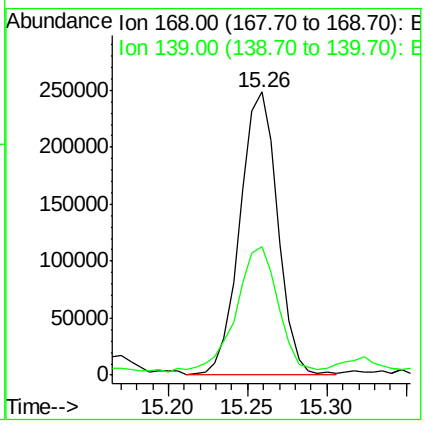


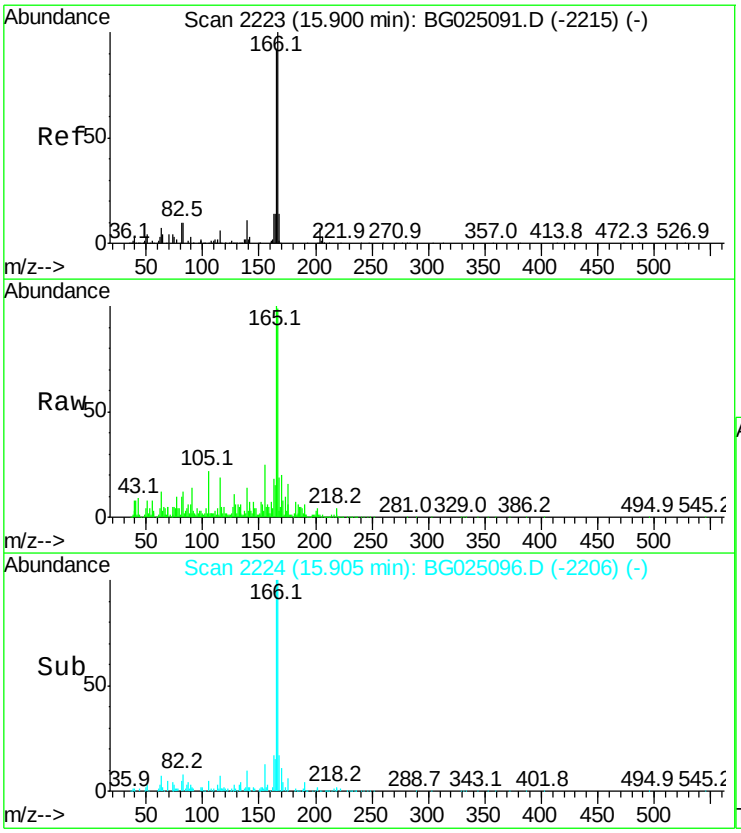

#53
Dibenzofuran
Concen: 14.09 ng/ul
RT: 15.26 min Scan# 2114
Delta R.T. 0.01 min
Lab File: BG025096.D
Acq: 11 Dec 2016 9:39

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

Tgt Ion:168 Resp: 406613

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 45.3 | 33.8 | 50.8 |

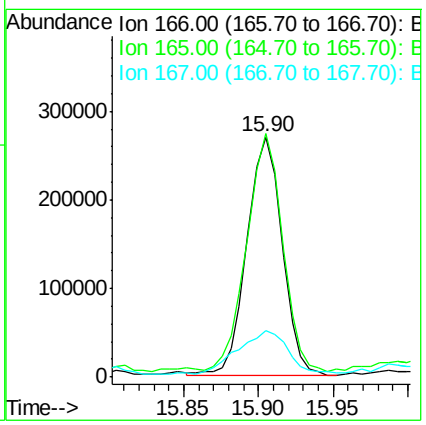


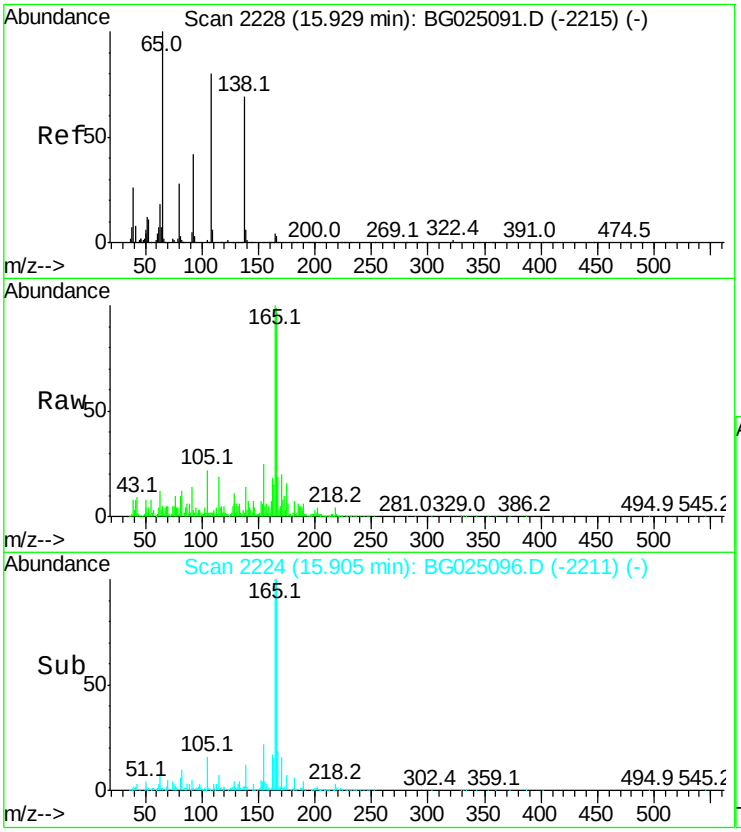




#58
Fluorene
Concen: 18.69 ng/ul
RT: 15.90 min Scan# 2224
Delta R.T. 0.01 min
Lab File: BG025096.D
Acq: 11 Dec 2016 9:39

Tgt Ion:166 Resp: 439229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 101.3 | 79.7 | 119.5 |
| 167 | 19.4 | 11.4 | 17.2# |



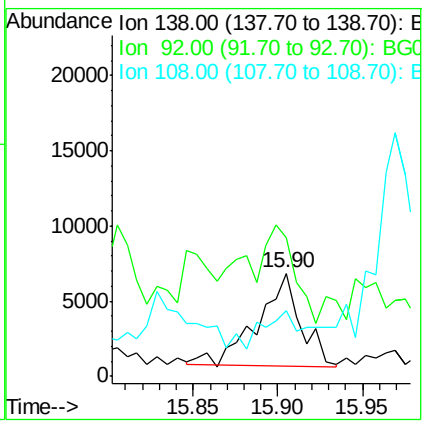


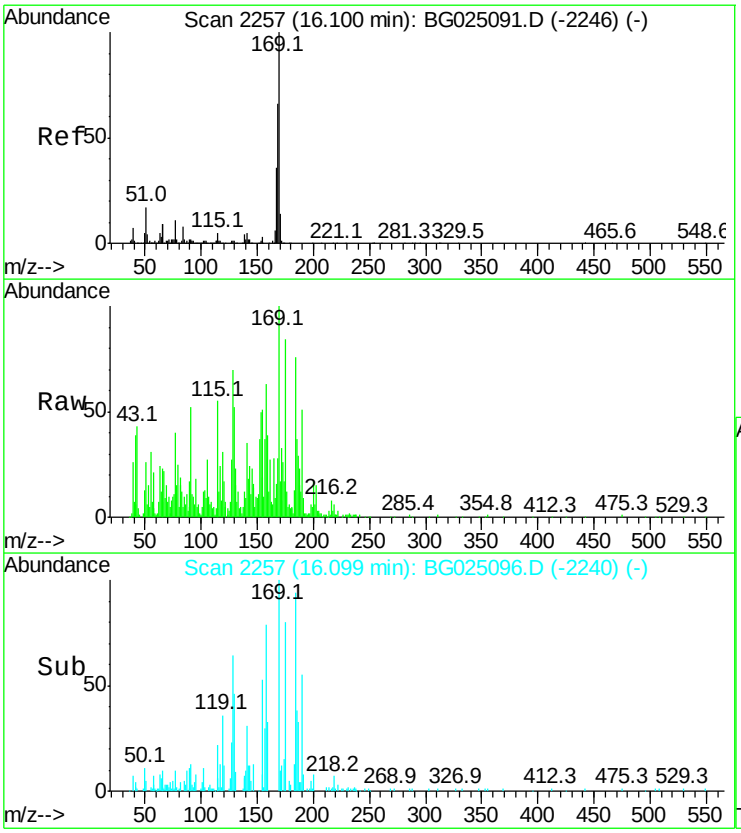

#60
4-Nitroaniline
Concen: 1.97 ng/ul
RT: 15.90 min Scan# 2224
Delta R.T. -0.02 min
Lab File: BG025096.D
Acq: 11 Dec 2016 9:39

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

Tgt Ion:138 Resp: 10843

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 135.1 | 56.9 | 85.3# |
| 108 | 63.4 | 104.9 | 157.3# |

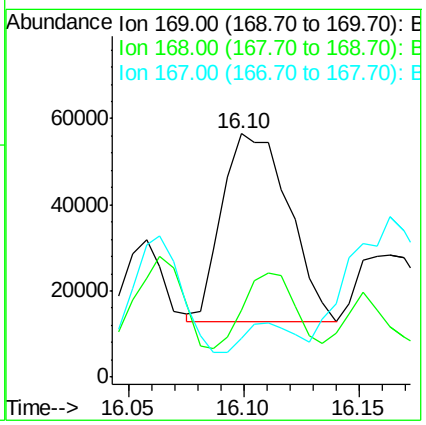


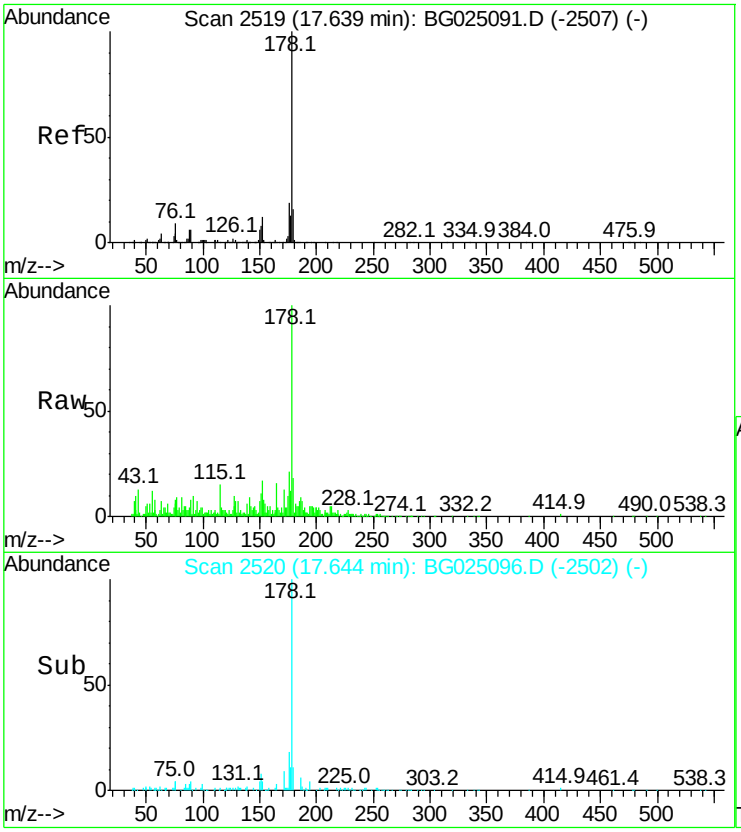




#64
N-Nitrosodiphenylamine
Concen: 4.60 ng/ul
RT: 16.10 min Scan# 2257
Delta R.T. -0.00 min
Lab File: BG025096.D
Acq: 11 Dec 2016 9:39

Tgt Ion:169 Resp: 88166

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 27.7 | 59.1 | 88.7# |
| 167 | 16.2 | 29.7 | 44.5# |



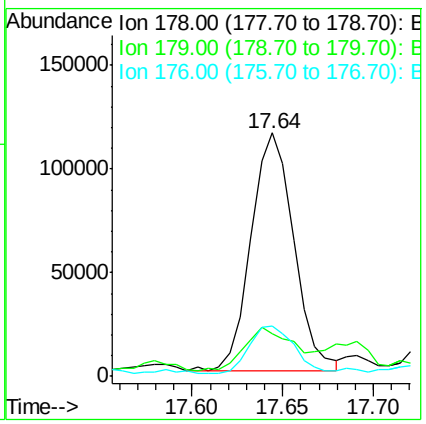


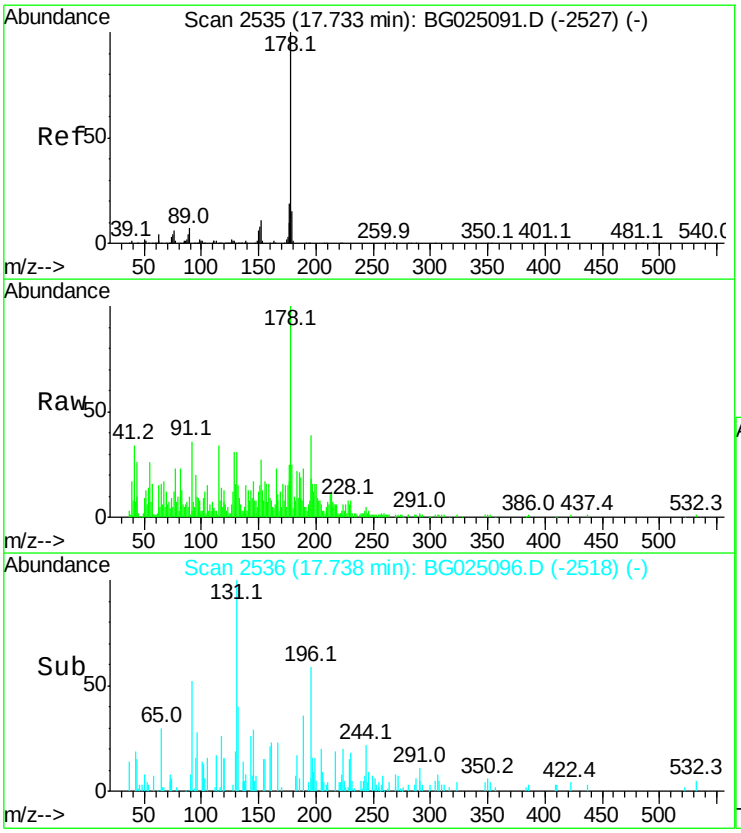

#69
Phenanthrene
Concen: 5.30 ng/ul
RT: 17.64 min Scan# 2520
Delta R.T. 0.01 min
Lab File: BG025096.D
Acq: 11 Dec 2016 9:39

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

Tgt Ion:178 Resp: 188723

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 17.6 | 12.4 | 18.6 |
| 176 | 20.8 | 16.5 | 24.7 |




#71
Anthracene
Concen: 1.29 ng/ul
RT: 17.74 min Scan# 2536
Delta R.T. 0.01 min
Lab File: BG025096.D
Acq: 11 Dec 2016 9:39

Tgt Ion:178 Resp: 47329

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 24.5 | 12.6 | 19.0# |
| 176 | 24.9 | 15.9 | 23.9# |