Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110915\
Data File : BG019536.D
Acq On : 9 Nov 2015 17:09
Operator : UM/NP
Sample : G4245-18DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BCY53DL

Quant Time: Nov 10 00:17:38 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 10 00:14:14 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.17 | 152 | 31138 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 11.01 | 136 | 132514 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.81 | 164 | 103520 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.55 | 188 | 278228 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.82 | 240 | 393420 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 25.17 | 264 | 378697 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.49 | 96 | 235 | 0.36 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.32 | 99 | 8208 | 2.87 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.49 | 67 | 14953 | 8.25 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.70 | 132 | 10966 | 6.15 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.87 | 113 | 10570 | 4.64 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.34 | 128 | 8380 | 8.60 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 10.07 | 143 | 8380 | 7.25 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.62 | 165 | 16129 | 6.43 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 11.15 | 131 | 14210 | 5.60 | ng/ul | 0.01 |
| 44) Dimethylphthalate-d6 | 14.20 | 166 | 75923 | 8.90 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 14.50 | 160 | 78658 | 8.32 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.98 | 143 | 4211 | 3.11 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 15.80 | 176 | 65546 | 8.30 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.90 | 200 | 12176 | 6.76 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 17.65 | 188 | 111527 | 8.79 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 19.92 | 212 | 137535 | 7.99 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 24.93 | 264 | 156291 | 8.22 | ng/ul | -0.02 |
| **Target Compounds** | | | | | | Qvalue |
| 4) Benzaldehyde | 7.31 | 77 | 4734 | 2.55 | ng/ul# | 1 |
| 17) Hexachloroethane | 9.29 | 117 | 6390 | 6.66 | ng/ul# | 1 |
| 28) Naphthalene | 11.08 | 128 | 5126687 | 773.22 | ng/ul# | 64 |
| 30) 4-Chloroaniline | 11.08 | 127 | 1175890 | 442.09 | ng/ul# | 10 |
| 34) 2-Methylnaphthalene | 12.65 | 142 | 179324 | 33.66 | ng/ul | 97 |
| 35) 1-Methylnaphthalene | 12.87 | 142 | 469631 | 93.16 | ng/ul | 99 |
| 41) 1,1'-Biphenyl | 13.64 | 154 | 185786 | 25.39 | ng/ul# | 95 |
| 48) Acenaphthylene | 14.53 | 152 | 23988 | 2.48 | ng/ul# | 86 |
| 50) Acenaphthene | 14.87 | 153 | 507350 | 77.58 | ng/ul | 98 |
| 54) Dibenzofuran | 15.20 | 168 | 521689 | 54.17 | ng/ul | 95 |
| 59) Fluorene | 15.85 | 166 | 325522 | 38.75 | ng/ul | 98 |
| 61) 4-Nitroaniline | 15.85 | 138 | 4592 | 2.63 | ng/ul# | 3 |
| 70) Phenanthrene | 17.59 | 178 | 534244 | 38.05 | ng/ul | 97 |
| 72) Anthracene | 17.59 | 178 | 534244 | 37.33 | ng/ul | 96 |
| 75) Carbazole | 17.95 | 167 | 716604 | 62.74 | ng/ul | 94 |
| 77) Fluoranthene | 19.58 | 202 | 54080 | 2.98 | ng/ul# | 94 |
| 80) Pyrene | 19.95 | 202 | 31083 | 1.41 | ng/ul# | 89 |

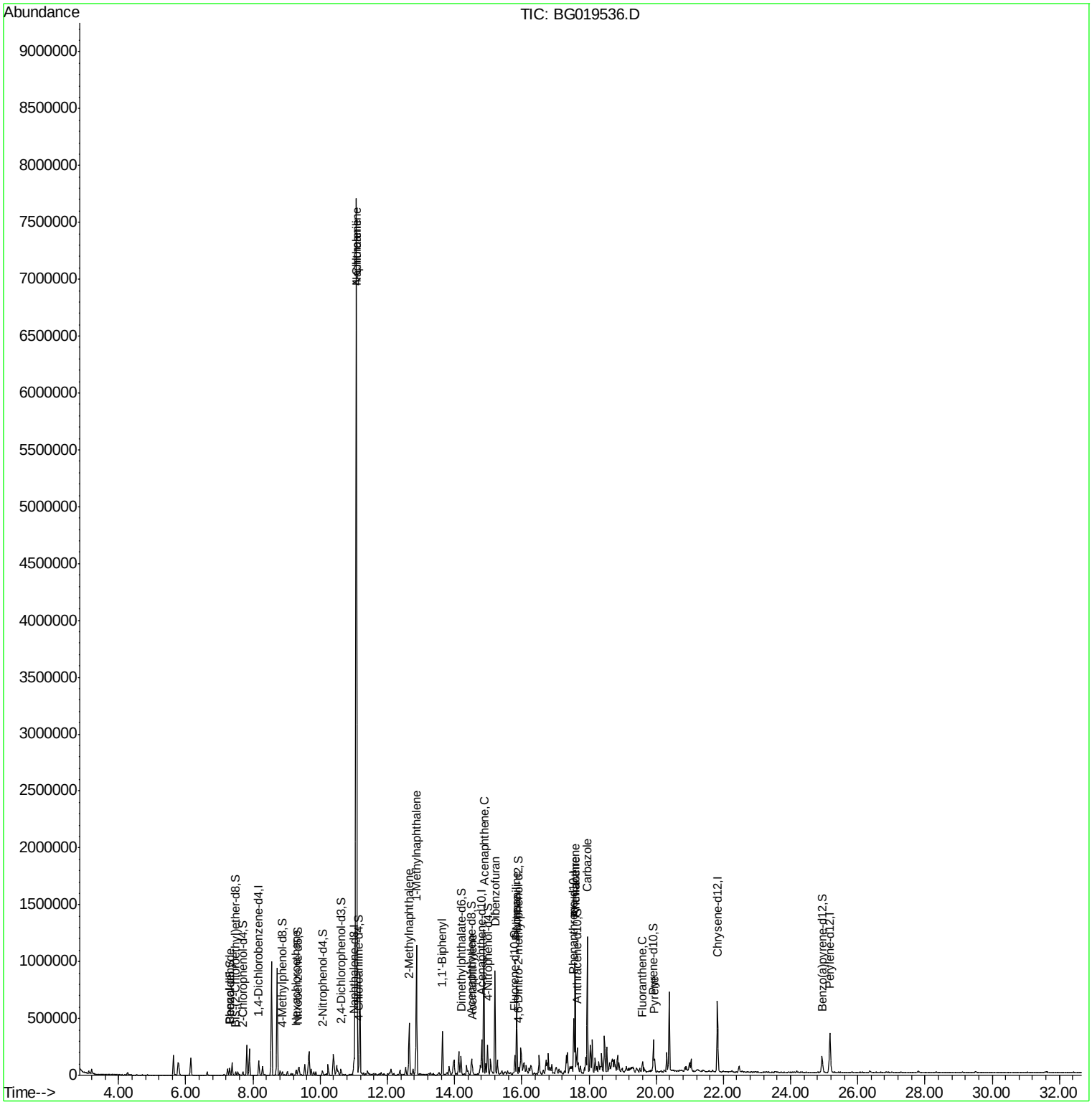
(#) = qualifier out of range (m) = manual integration (+) = signals summed

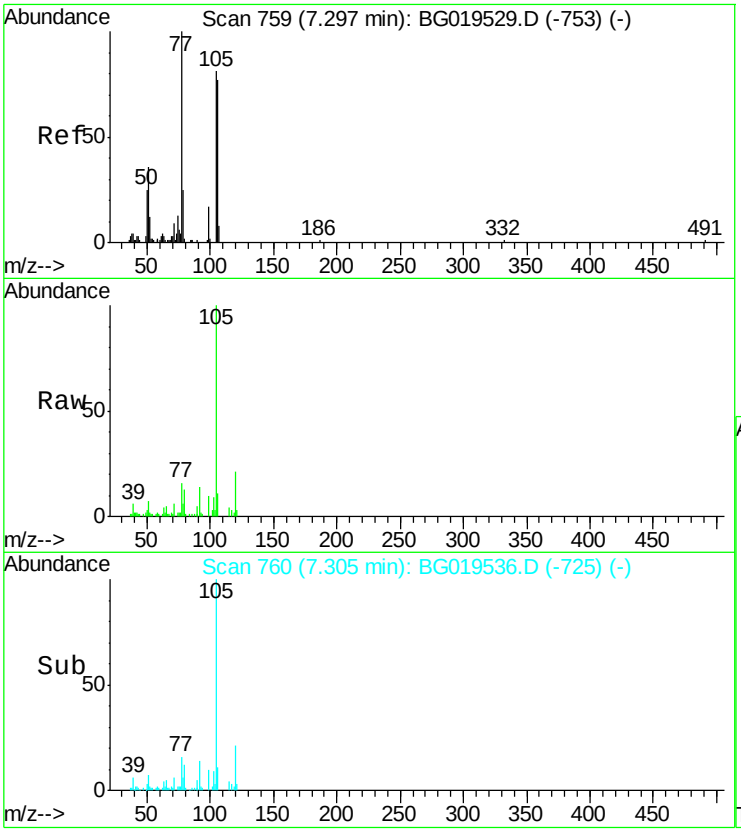
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110915\
Data File : BG019536.D
Acq On : 9 Nov 2015 17:09
Operator : UM/NP
Sample : G4245-18DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
BCY53DL

Quant Time: Nov 10 00:17:38 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 10 00:14:14 2015
Response via : Initial Calibration



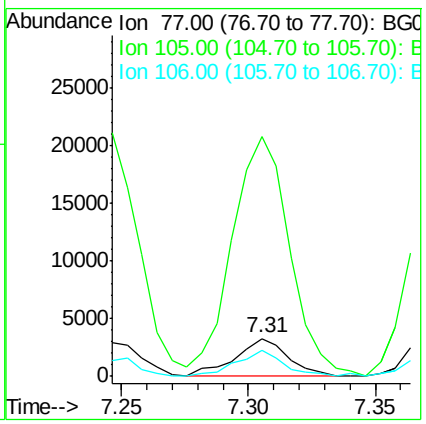


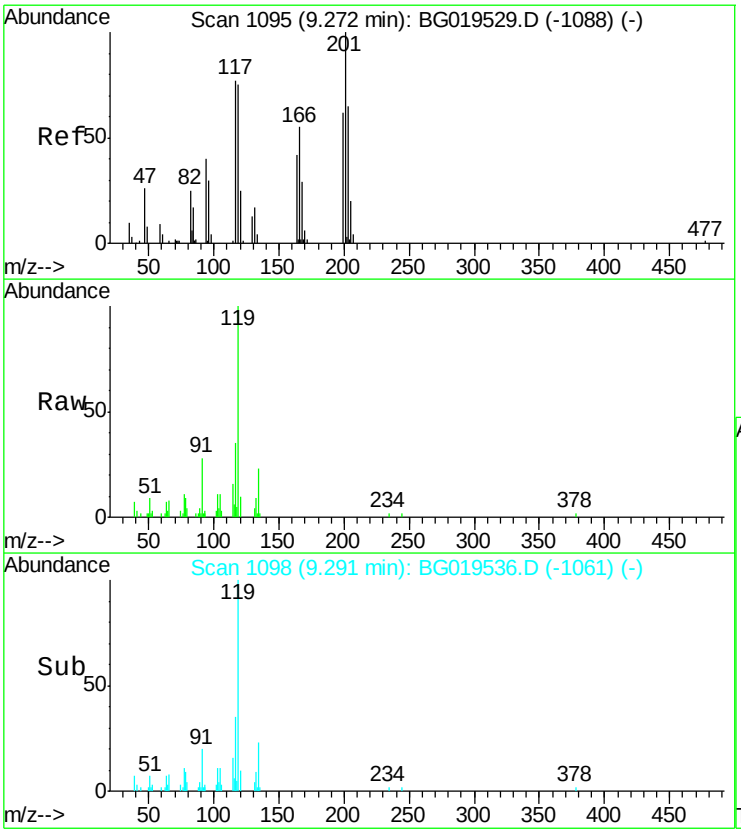

#4
Benzaldehyde
Concen: 2.55 ng/ul
RT: 7.31 min Scan# 760
Delta R.T. 0.01 min
Lab File: BG019536.D
Acq: 9 Nov 2015 17:09

**Instrument :**
BNA_G
**ClientSampleId :**
BCY53DL

Tgt Ion: 77 Resp: 4734

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 636.5 | 61.6 | 92.4# |
| 106 | 68.2 | 56.4 | 84.6 |

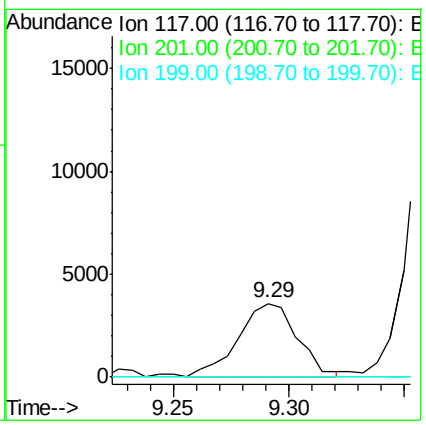


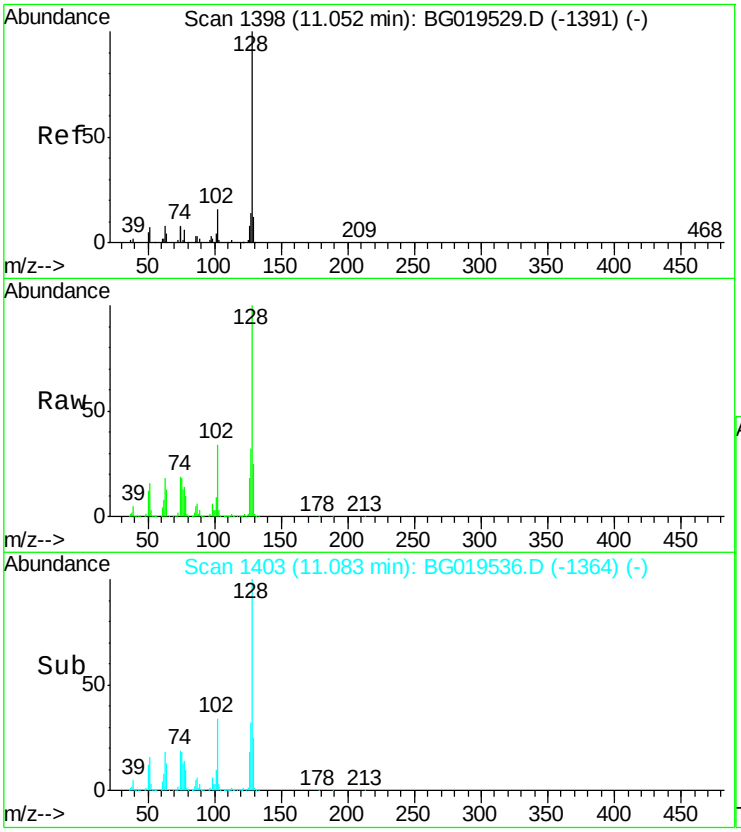




#17
Hexachloroethane
Concen: 6.66 ng/ul
RT: 9.29 min Scan# 1098
Delta R.T. 0.02 min
Lab File: BG019536.D
Acq: 9 Nov 2015 17:09

Tgt Ion:117 Resp: 6390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 0.0 | 101.4 | 152.0# |
| 199 | 0.0 | 71.7 | 107.5# |



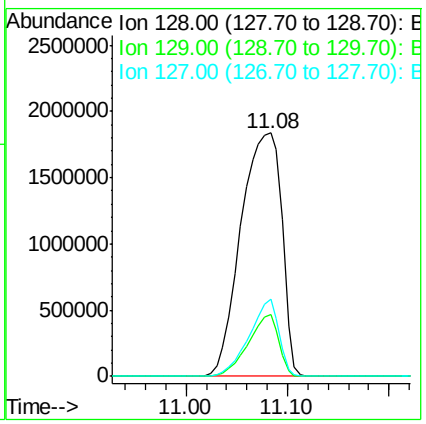


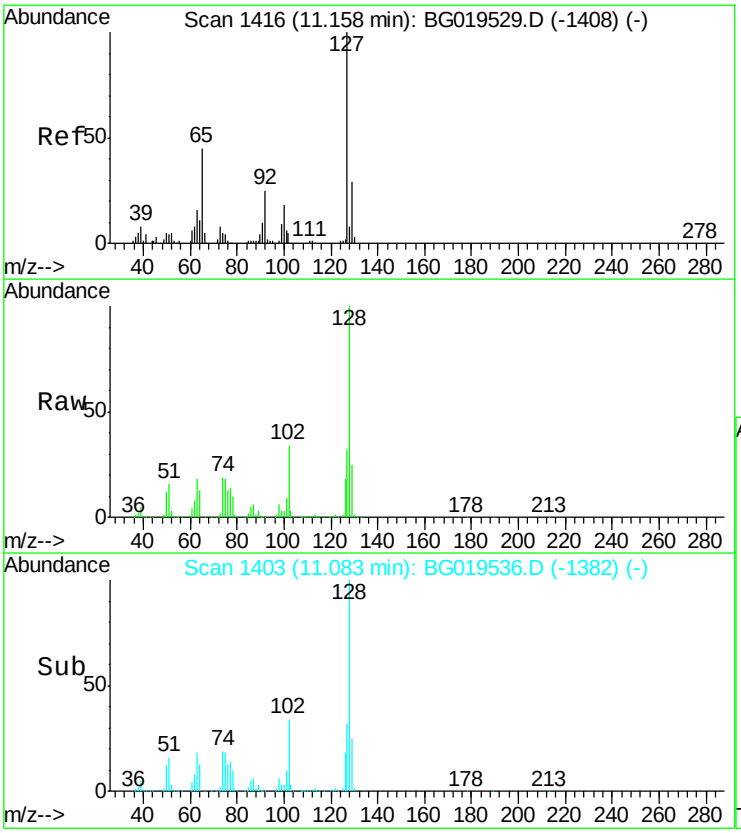

#28
Naphthalene
Concen: 773.22 ng/ul
RT: 11.08 min Scan# 1403
Delta R.T. 0.03 min
Lab File: BG019536.D
Acq: 9 Nov 2015 17:09

**Instrument :**
BNA_G
**ClientSampleId :**
BCY53DL

Tgt Ion:128 Resp: 5126687

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 25.3 | 8.9 | 13.3# |
| 127 | 31.6 | 13.1 | 19.7# |

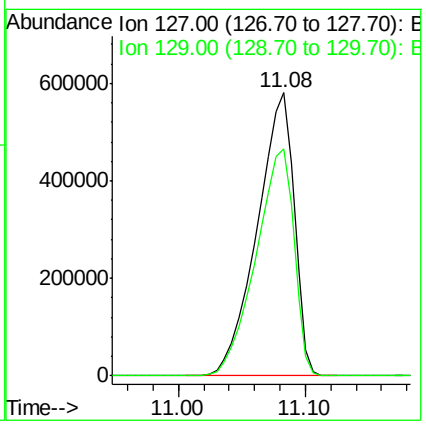


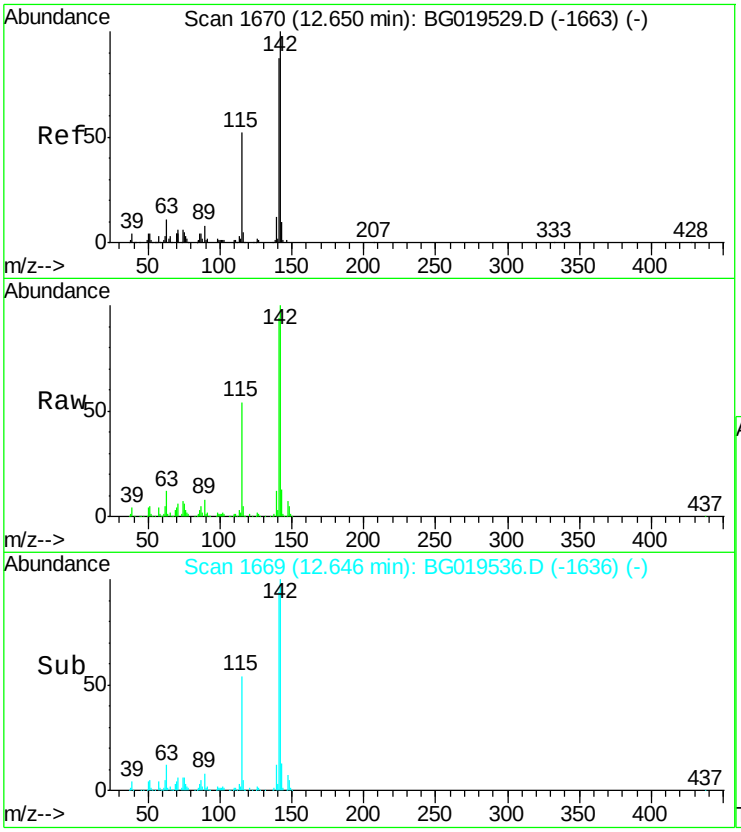




#30
4-Chloroaniline
Concen: 442.09 ng/ul
RT: 11.08 min Scan# 1403
Delta R.T. -0.07 min
Lab File: BG019536.D
Acq: 9 Nov 2015 17:09

Tgt Ion:127 Resp: 1175890

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 80.0 | 24.6 | 36.8# |



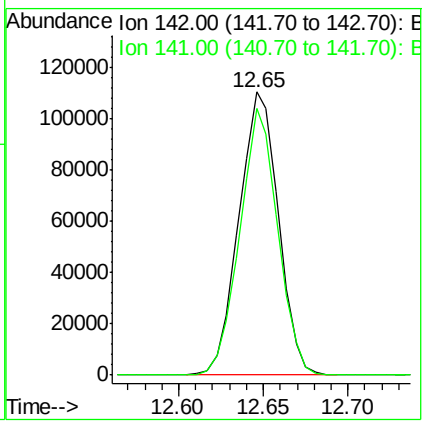


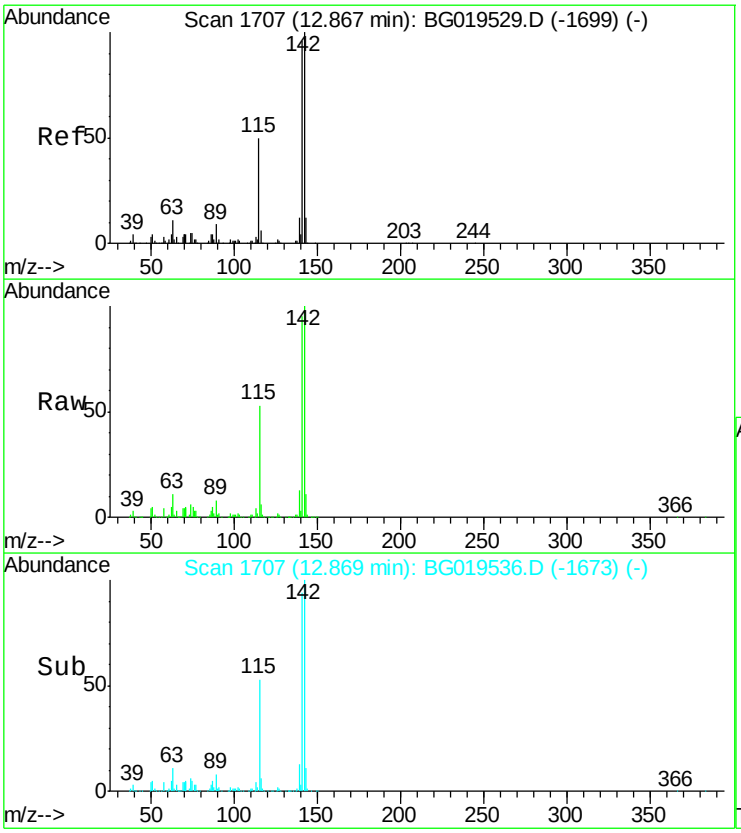

#34
2-Methylnaphthalene
Concen: 33.66 ng/ul
RT: 12.65 min Scan# 1669
Delta R.T. -0.00 min
Lab File: BG019536.D
Acq: 9 Nov 2015 17:09

**Instrument :**
BNA_G
**ClientSampleId :**
BCY53DL

Tgt Ion:142 Resp: 179324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 94.3 | 73.4 | 110.2 |

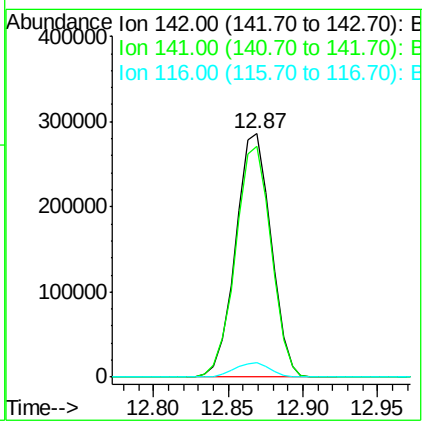


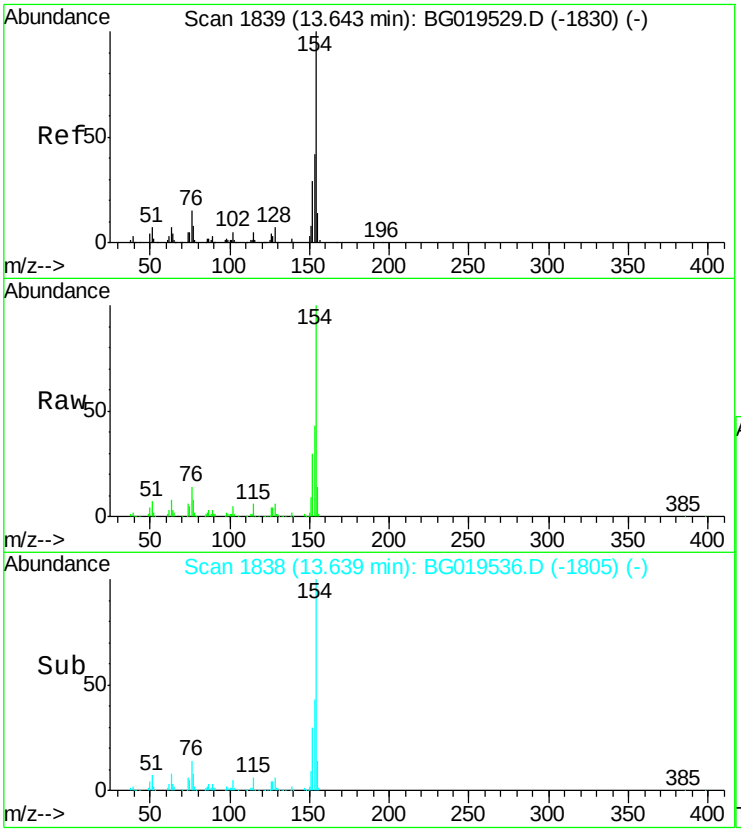




#35
1-Methylnaphthalene
Concen: 93.16 ng/ul
RT: 12.87 min Scan# 1707
Delta R.T. 0.00 min
Lab File: BG019536.D
Acq: 9 Nov 2015 17:09

Tgt Ion:142 Resp: 469631

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 94.9 | 76.5 | 114.7 |
| 116 | 5.9 | 5.4 | 8.0 |



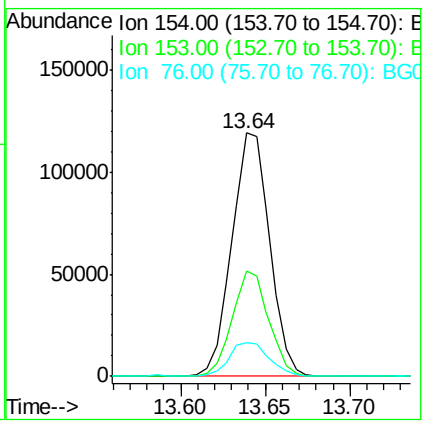


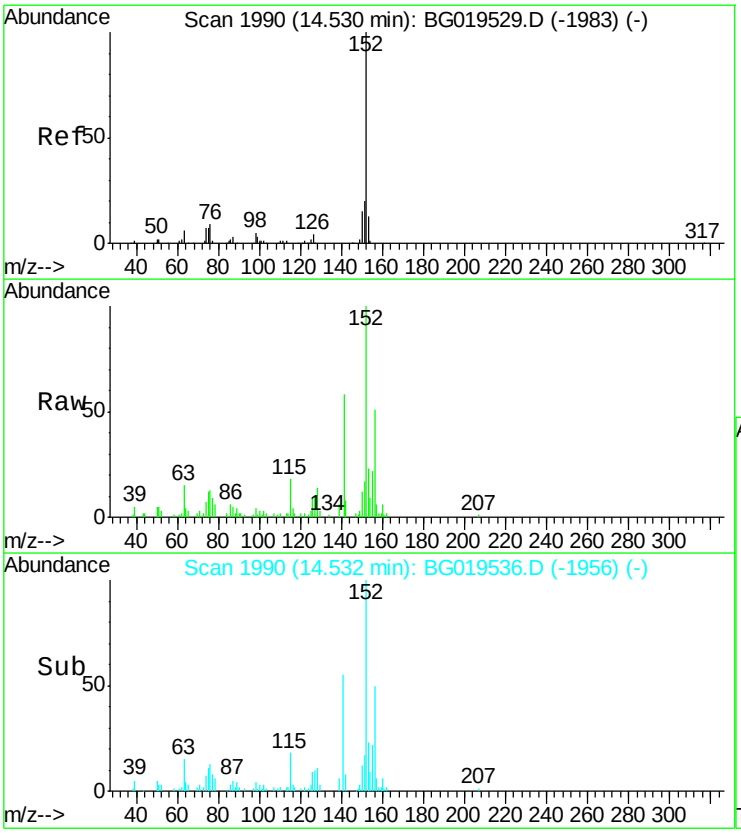

#41
1,1'-Biphenyl
Concen: 25.39 ng/ul
RT: 13.64 min Scan# 1838
Delta R.T. -0.00 min
Lab File: BG019536.D
Acq: 9 Nov 2015 17:09

**Instrument :**
BNA_G
**ClientSampleId :**
BCY53DL

Tgt Ion:154 Resp: 185786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 43.1 | 32.8 | 49.2 |
| 76 | 13.9 | 7.7 | 11.5# |

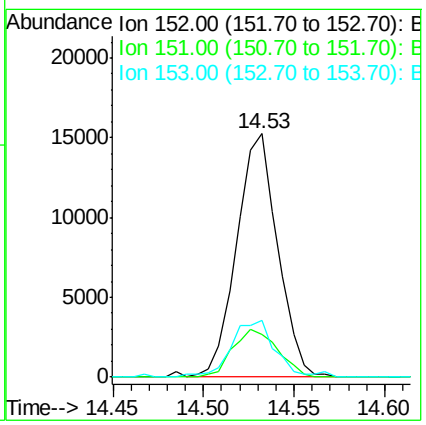


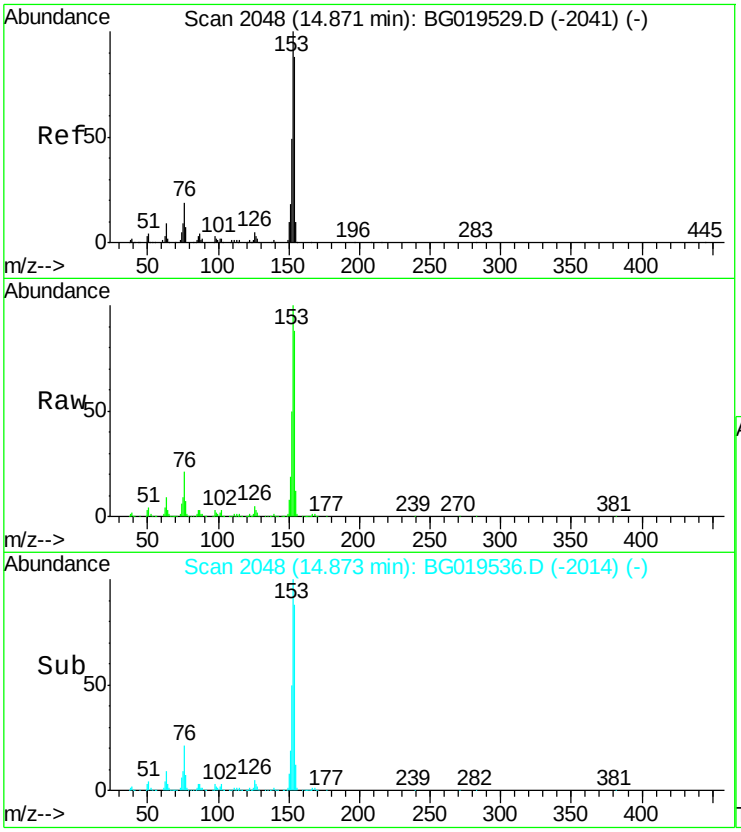




#48
Acenaphthylene
Concen: 2.48 ng/ul
RT: 14.53 min Scan# 1990
Delta R.T. 0.00 min
Lab File: BG019536.D
Acq: 9 Nov 2015 17:09

Tgt Ion:152 Resp: 23988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 17.3 | 16.9 | 25.3 |
| 153 | 23.4 | 10.8 | 16.2# |



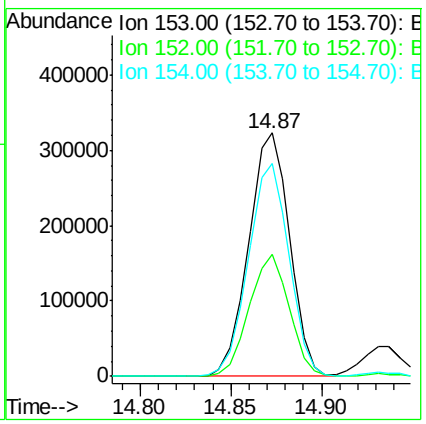


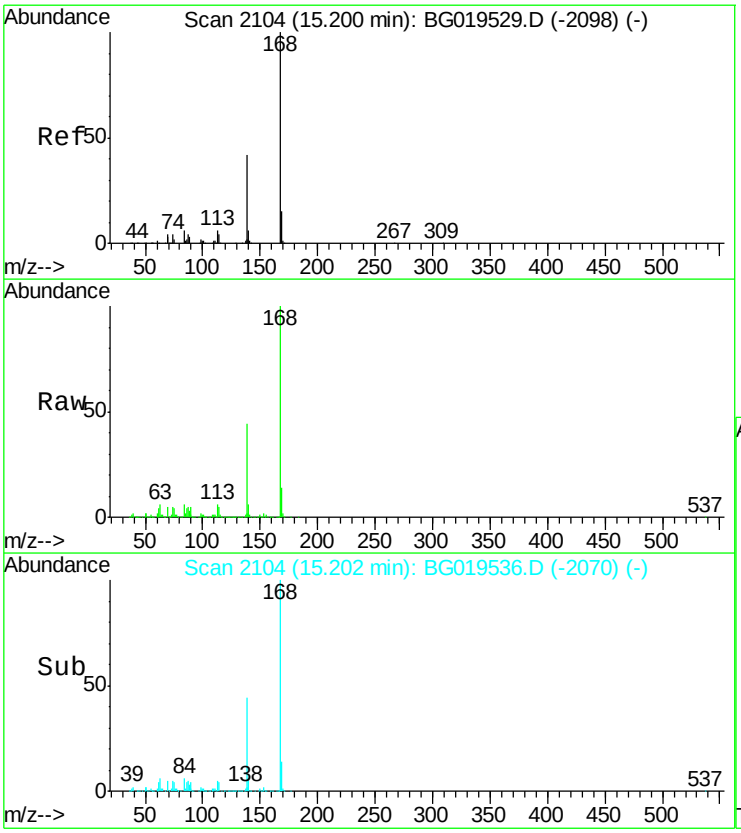

#50
Acenaphthene
Concen: 77.58 ng/ul
RT: 14.87 min Scan# 2048
Delta R.T. 0.00 min
Lab File: BG019536.D
Acq: 9 Nov 2015 17:09

**Instrument :**
BNA_G
**ClientSampleId :**
BCY53DL

Tgt Ion:153 Resp: 507350

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 49.9 | 38.8 | 58.2 |
| 154 | 87.6 | 71.5 | 107.3 |

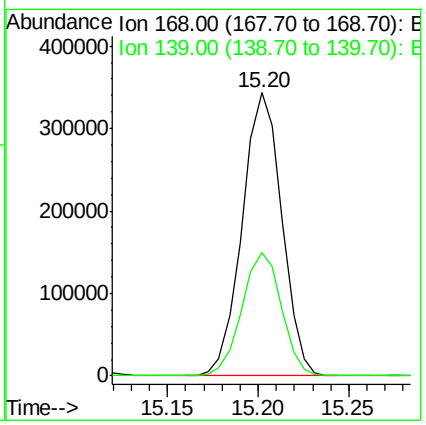


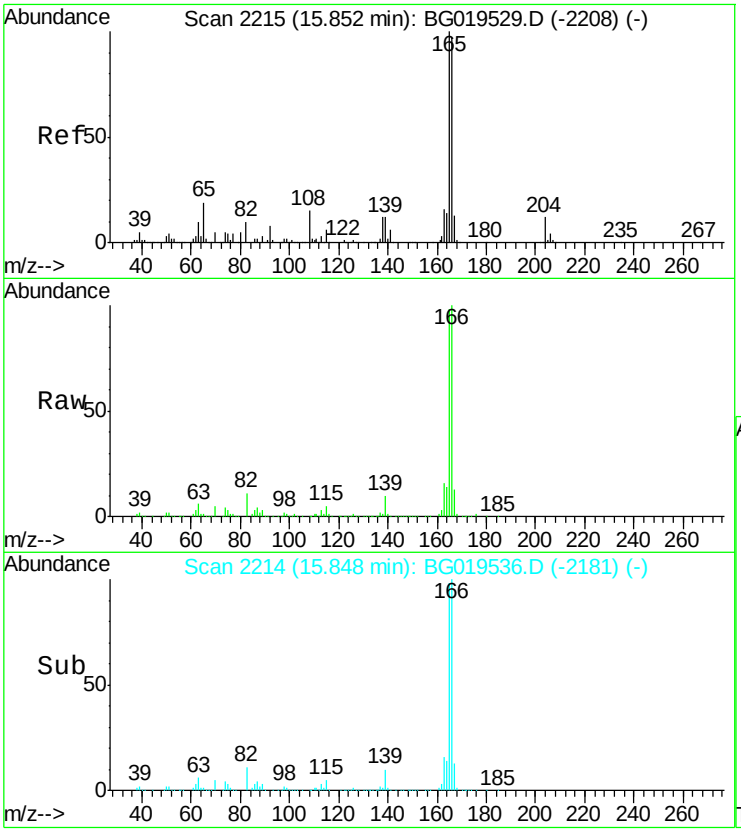




#54
Dibenzofuran
Concen: 54.17 ng/ul
RT: 15.20 min Scan# 2104
Delta R.T. 0.00 min
Lab File: BG019536.D
Acq: 9 Nov 2015 17:09

Tgt Ion:168 Resp: 521689

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 43.6 | 32.4 | 48.6 |



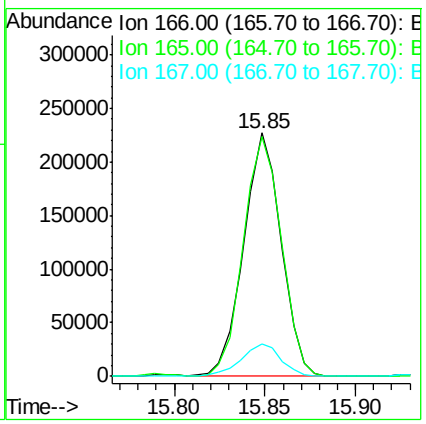


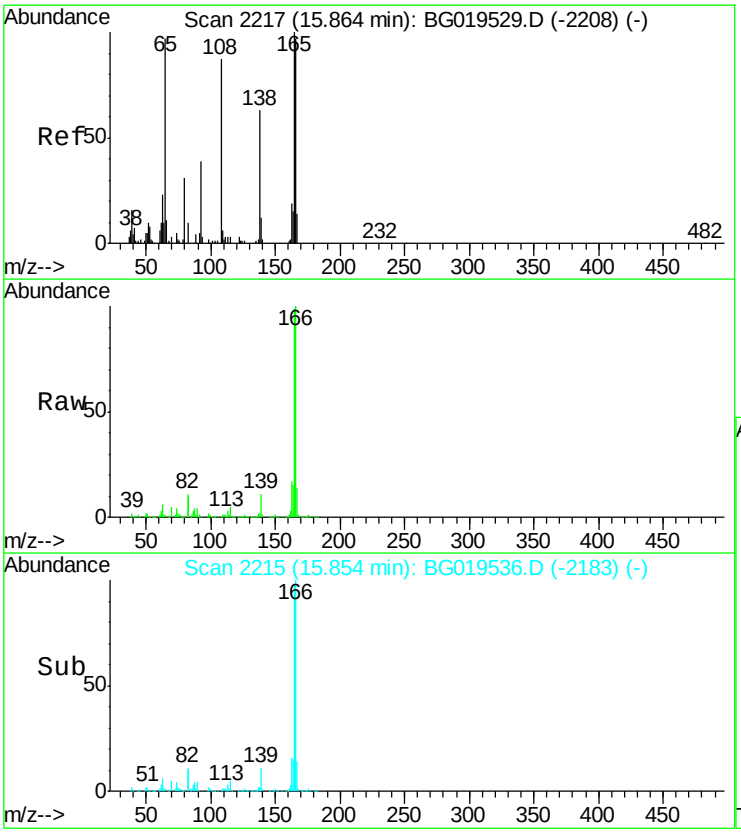

#59
Fluorene
Concen: 38.75 ng/ul
RT: 15.85 min Scan# 2214
Delta R.T. -0.00 min
Lab File: BG019536.D
Acq: 9 Nov 2015 17:09

**Instrument :**
BNA_G
**ClientSampleId :**
BCY53DL

Tgt Ion:166 Resp: 325522

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.3 | 77.6 | 116.4 |
| 167 | 13.4 | 9.6 | 14.4 |

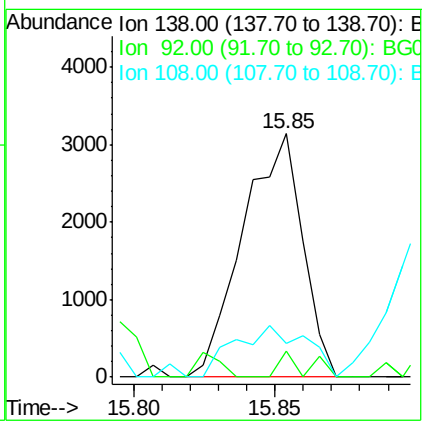


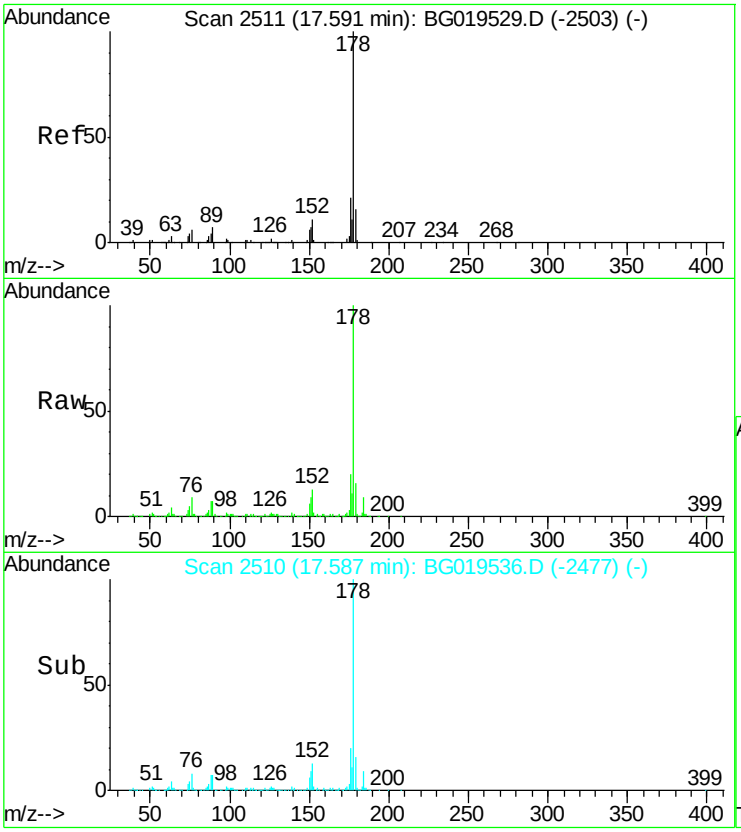




#61
4-Nitroaniline
Concen: 2.63 ng/ul
RT: 15.85 min Scan# 2215
Delta R.T. -0.01 min
Lab File: BG019536.D
Acq: 9 Nov 2015 17:09

Tgt Ion:138 Resp: 4592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 10.8 | 53.9 | 80.9# |
| 108 | 14.0 | 122.5 | 183.7# |



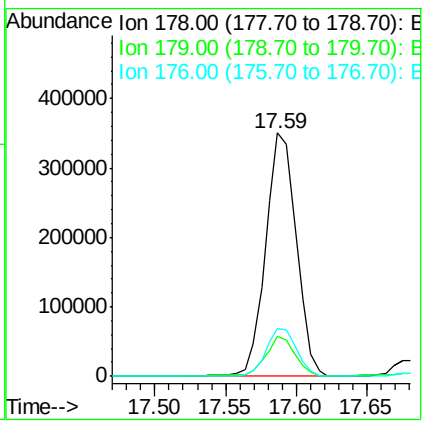


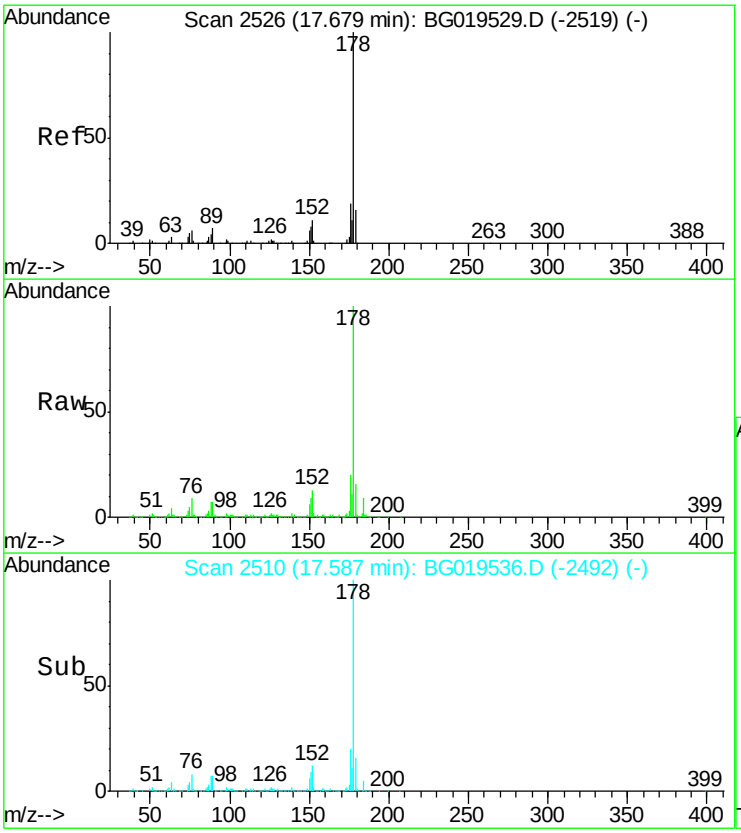

#70
Phenanthrene
Concen: 38.05 ng/ul
RT: 17.59 min Scan# 2510
Delta R.T. -0.00 min
Lab File: BG019536.D
Acq: 9 Nov 2015 17:09

**Instrument :**
BNA_G
**ClientSampleId :**
BCY53DL

Tgt Ion:178 Resp: 534244

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.3 | 12.6 | 18.8 |
| 176 | 19.8 | 14.3 | 21.5 |

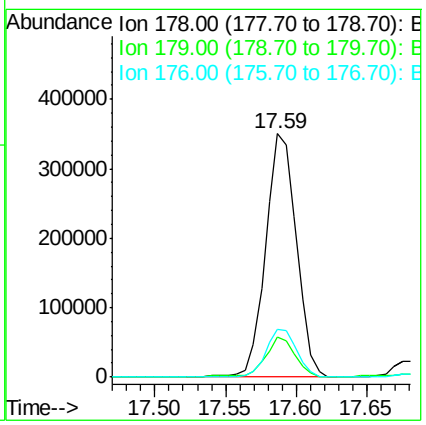


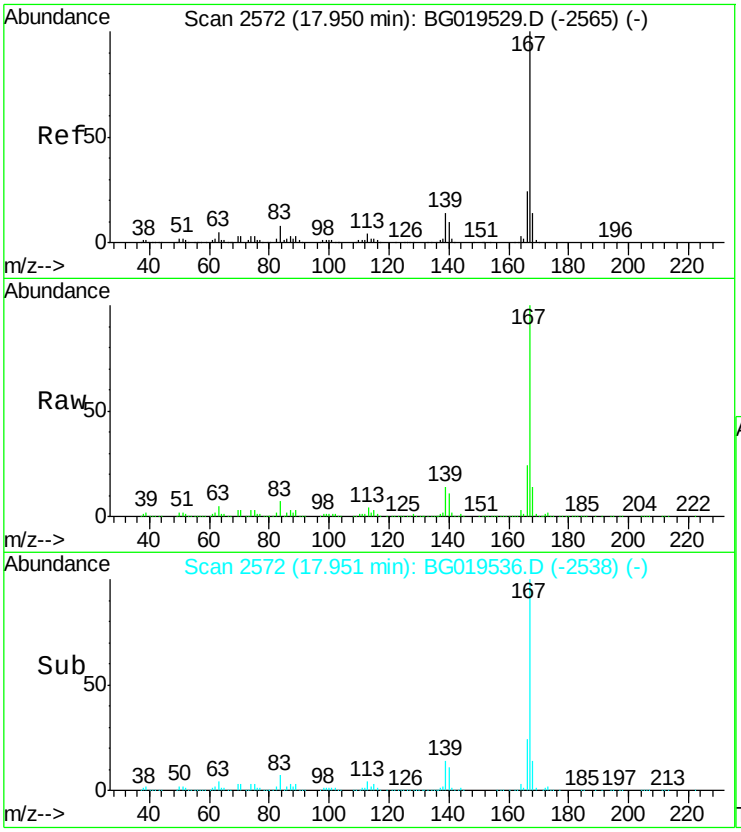




#72
Anthracene
Concen: 37.33 ng/ul
RT: 17.59 min Scan# 2510
Delta R.T. -0.09 min
Lab File: BG019536.D
Acq: 9 Nov 2015 17:09

Tgt Ion:178 Resp: 534244

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.3 | 11.6 | 17.4 |
| 176 | 19.8 | 14.2 | 21.4 |



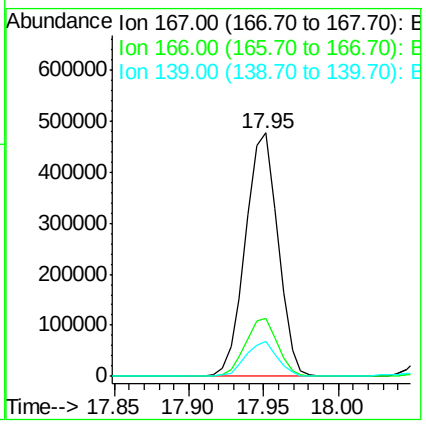


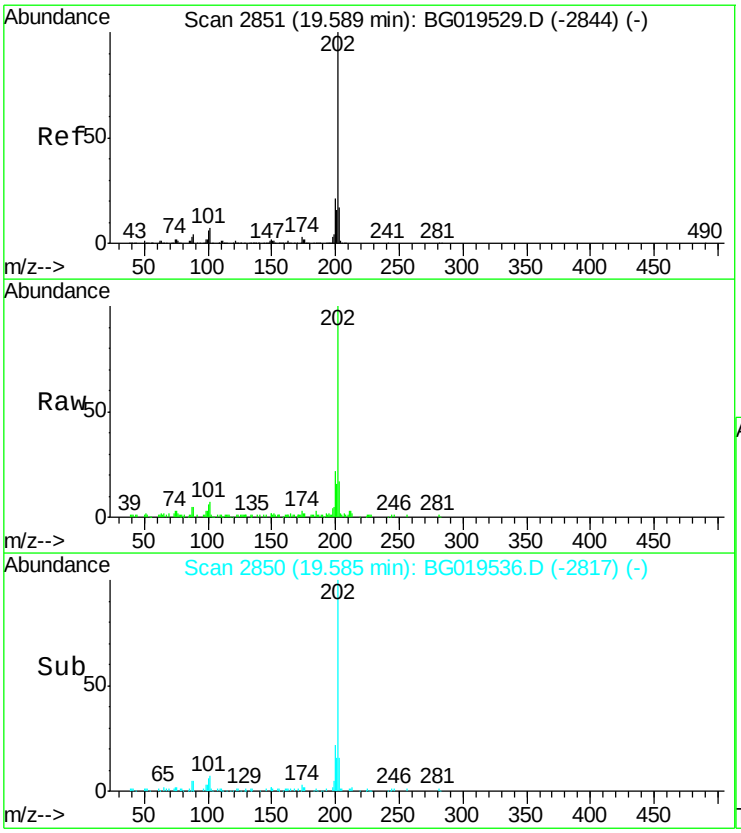

#75
Carbazole
Concen: 62.74 ng/ul
RT: 17.95 min Scan# 2572
Delta R.T. 0.00 min
Lab File: BG019536.D
Acq: 9 Nov 2015 17:09

**Instrument :**
BNA_G
**ClientSampleId :**
BCY53DL

Tgt Ion:167 Resp: 716604

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 24.1 | 16.8 | 25.2 |
| 139 | 14.2 | 9.8 | 14.6 |

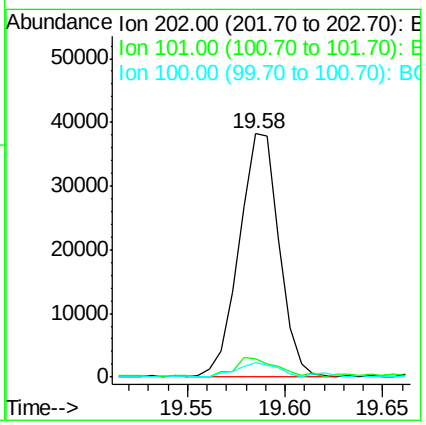


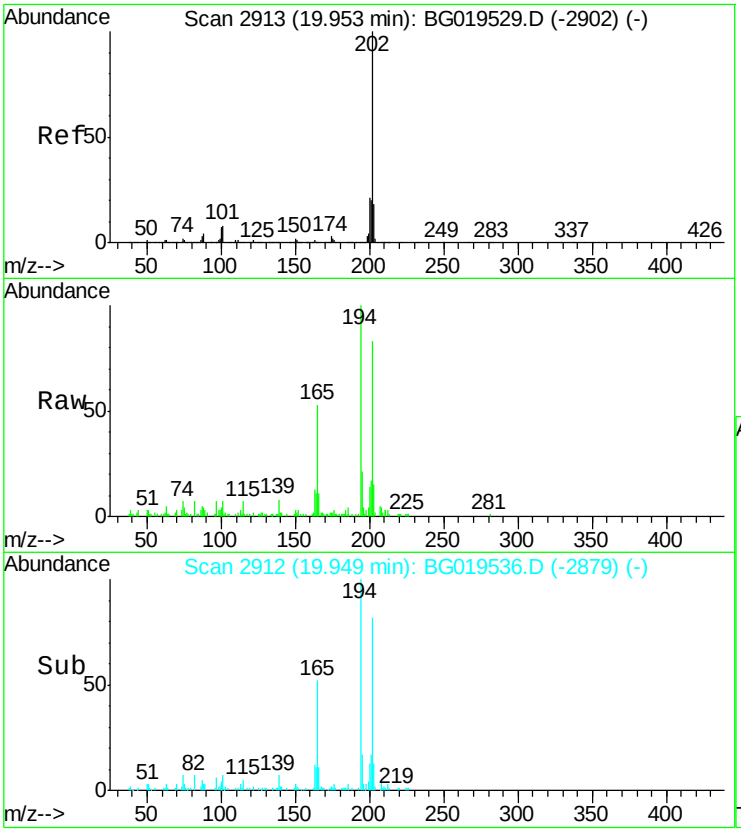




#77
Fluoranthene
Concen: 2.98 ng/ul
RT: 19.58 min Scan# 2850
Delta R.T. -0.00 min
Lab File: BG019536.D
Acq: 9 Nov 2015 17:09

Tgt Ion:202 Resp: 54080

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 7.4 | 4.0 | 6.0# |
| 100 | 5.8 | 3.6 | 5.4# |






#80
Pyrene
Concen: 1.41 ng/ul
RT: 19.95 min Scan# 2912
Delta R.T. -0.00 min
Lab File: BG019536.D
Acq: 9 Nov 2015 17:09

**Instrument :**
BNA_G
**ClientSampleId :**
BCY53DL

Tgt Ion:202 Resp: 31083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 8.8 | 4.3 | 6.5# |
| 100 | 8.6 | 3.6 | 5.4# |