Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122215\
Data File : BG020414.D
Acq On : 22 Dec 2015 18:14
Operator : UM/SJ
Sample : G4848-17
Misc : med level RX
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** D9N63ME

Quant Time: Dec 23 04:15:11 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 23 04:11:36 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.08 | 152 | 19423 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.90 | 136 | 89885 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.72 | 164 | 69799 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.47 | 188 | 165132 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.74 | 240 | 164856 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 25.00 | 264 | 161336 | 20.00 | ng/ul | -0.01 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.45 | 96 | 880 | 2.50 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.24 | 99 | 23981 | 14.00 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.40 | 67 | 16253 | 15.90 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.61 | 132 | 19684 | 15.80 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.79 | 113 | 23370 | 15.96 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.25 | 128 | 11772 | 16.80 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.98 | 143 | 14193 | 18.20 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.52 | 165 | 26204 | 16.59 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 11.03 | 131 | 25592 | 14.43 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 14.12 | 166 | 105990 | 18.77 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 14.41 | 160 | 115513 | 17.58 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.92 | 143 | 9088 | 8.98 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 15.71 | 176 | 92661 | 18.09 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.83 | 200 | 8568 | 8.75 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 17.57 | 188 | 142125 | 18.68 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 19.85 | 212 | 135152 | 17.59 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 24.78 | 264 | 153824 | 19.12 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 17) Hexachloroethane | 9.28 | 117 | 603 | 1.10 | ng/ul# | 1 |
| 28) Naphthalene | 10.96 | 128 | 553851 | 117.99 | ng/ul | 98 |
| 30) 4-Chloroaniline | 10.96 | 127 | 75653 | 41.78 | ng/ul# | 8 |
| 34) 2-Methylnaphthalene | 12.56 | 142 | 245104 | 68.36 | ng/ul | 97 |
| 35) 1-Methylnaphthalene | 12.77 | 142 | 120582 | 34.98 | ng/ul# | 98 |
| 41) 1,1'-Biphenyl | 13.55 | 154 | 113441 | 21.54 | ng/ul | 99 |
| 45) Dimethylphthalate | 14.17 | 163 | 24624 | 4.27 | ng/ul | 99 |
| 48) Acenaphthylene | 14.44 | 152 | 33663 | 4.82 | ng/ul# | 94 |
| 50) Acenaphthene | 14.79 | 153 | 533636 | 113.65 | ng/ul | 99 |
| 53) 4-Nitrophenol | 14.78 | 109 | 1011 | 1.04 | ng/ul# | 1 |
| 54) Dibenzofuran | 15.12 | 168 | 552493 | 79.10 | ng/ul | 100 |
| 59) Fluorene | 15.77 | 166 | 550859 | 98.21 | ng/ul | 99 |
| 61) 4-Nitroaniline | 15.77 | 138 | 6985 | 5.58 | ng/ul# | 10 |
| 70) Phenanthrene | 17.60 | 178 | 264829 | 29.32 | ng/ul | 100 |
| 72) Anthracene | 17.60 | 178 | 264829 | 28.91 | ng/ul | 98 |
| 75) Carbazole | 17.87 | 167 | 123432 | 16.03 | ng/ul | 99 |
| 77) Fluoranthene | 19.52 | 202 | 1427879 | 135.26 | ng/ul | 97 |
| 80) Pyrene | 19.88 | 202 | 985331 | 98.75 | ng/ul | 99 |
| 83) Benzo(a)anthracene | 21.72 | 228 | 249229 | 25.91 | ng/ul | 98 |
| 85) Chrysene | 21.79 | 228 | 207842 | 22.94 | ng/ul | 95 |
| 88) Benzo(b)fluoranthene | 23.96 | 252 | 122208 | 12.59 | ng/ul | 96 |
| 89) Benzo(k)fluoranthene | 23.96 | 252 | 122208 | 13.11 | ng/ul | 98 |
| 91) Benzo(a)pyrene | 24.84 | 252 | 69841 | 7.59 | ng/ul | 97 |

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122215\
Data File : BG020414.D
Acq On : 22 Dec 2015 18:14
Operator : UM/SJ
Sample : G4848-17
Misc : med level RX
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** D9N63ME

Quant Time: Dec 23 04:15:11 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 23 04:11:36 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 92) Indeno(1,2,3-cd)pyrene | 28.73 | 276 | 21193 | 1.93 | ng/ul | 94 |
| 94) Benzo(g,h,i)perylene | 29.89 | 276 | 9167 | 1.02 | ng/ul# | 95 |

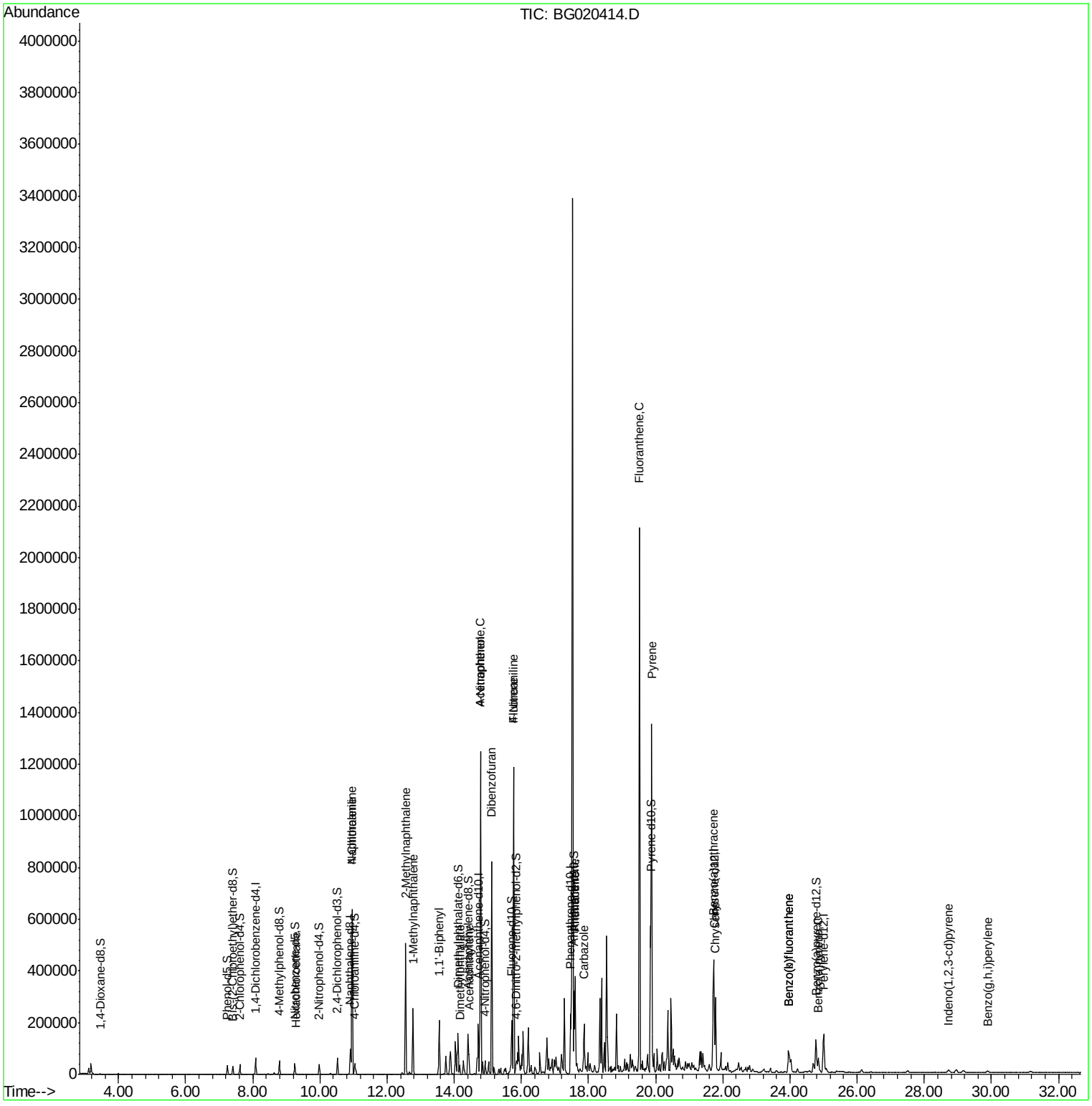
(#) = qualifier out of range (m) = manual integration (+) = signals summed

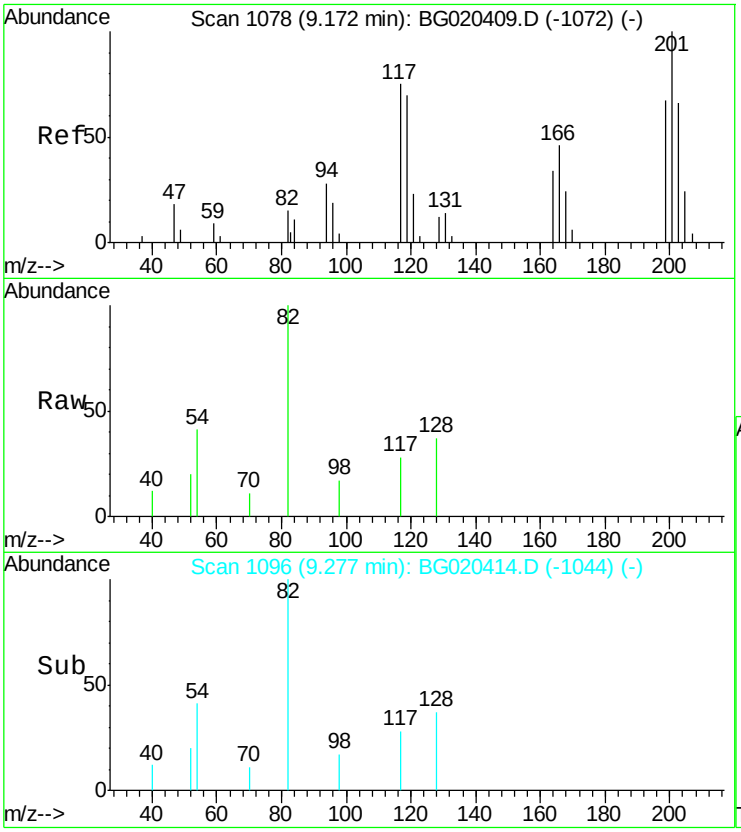
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122215\
Data File : BG020414.D
Acq On : 22 Dec 2015 18:14
Operator : UM/SJ
Sample : G4848-17
Misc : med level RX
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
D9N63ME

Quant Time: Dec 23 04:15:11 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 23 04:11:36 2015
Response via : Initial Calibration



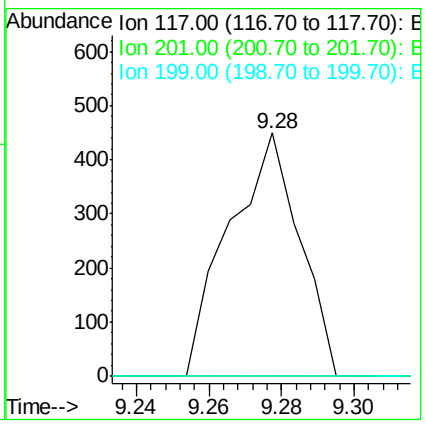


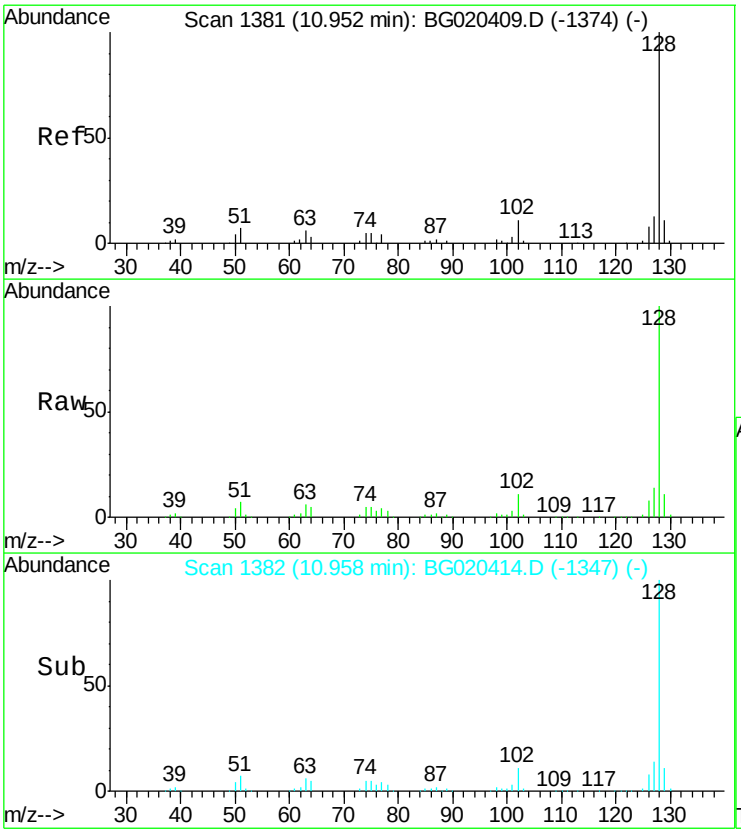

#17
Hexachloroethane
Concen: 1.10 ng/ul
RT: 9.28 min Scan# 1096
Delta R.T. 0.11 min
Lab File: BG020414.D
Acq: 22 Dec 2015 18:14

**Instrument :**
BNA_G
**ClientSampleId :**
D9N63ME

Tgt Ion:117 Resp: 603

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 0.0 | 102.7 | 154.1# |
| 199 | 0.0 | 65.8 | 98.8# |

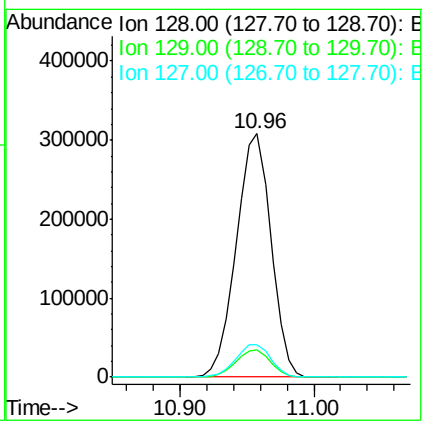


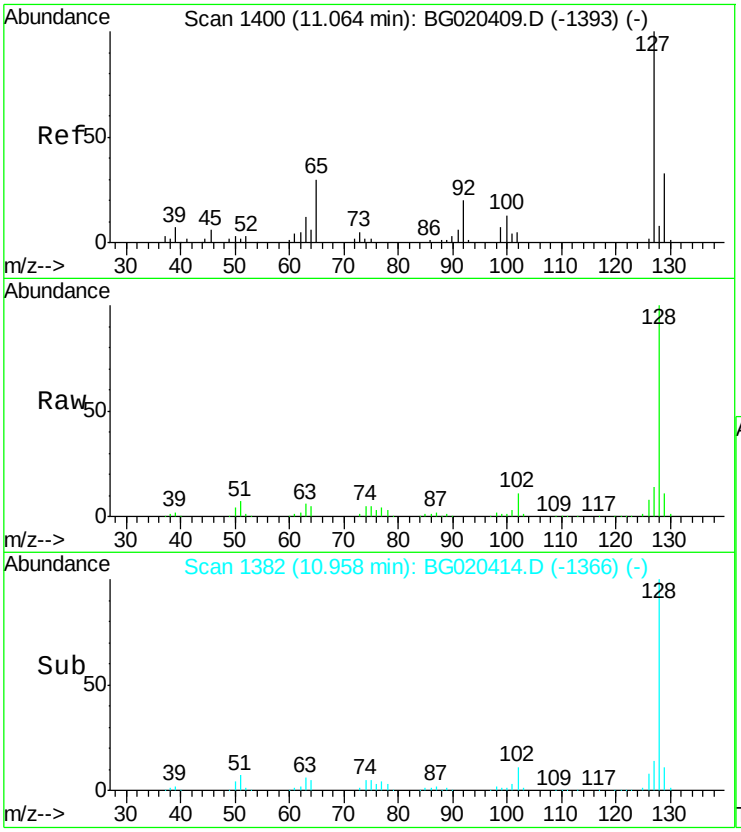




#28
Naphthalene
Concen: 117.99 ng/ul
RT: 10.96 min Scan# 1382
Delta R.T. 0.01 min
Lab File: BG020414.D
Acq: 22 Dec 2015 18:14

Tgt Ion:128 Resp: 553851

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.3 | 8.6 | 12.8 |
| 127 | 13.5 | 10.1 | 15.1 |



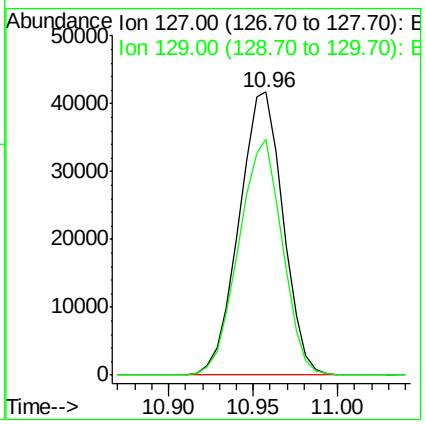


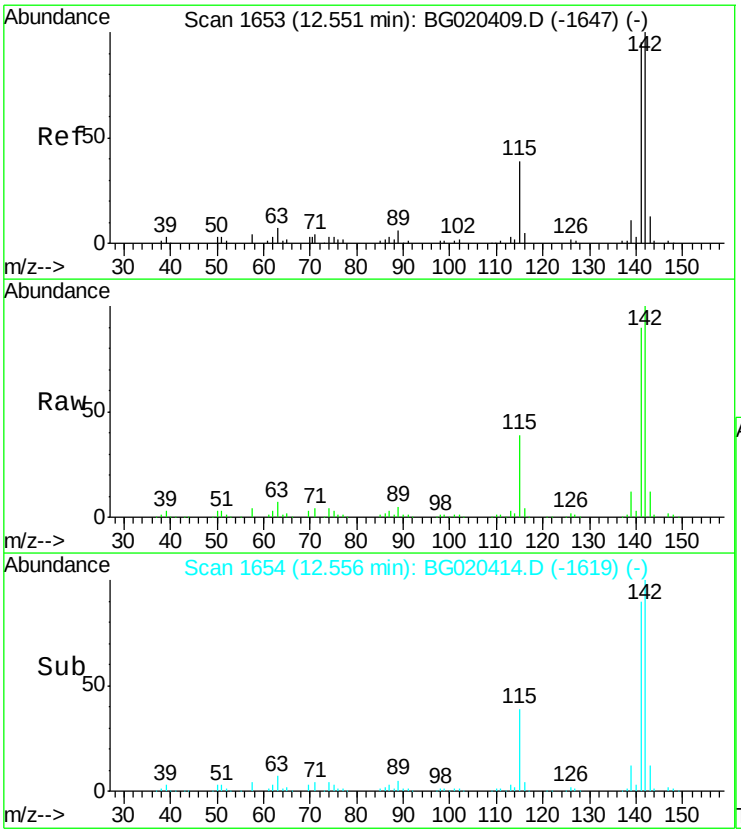

#30
4-Chloroaniline
Concen: 41.78 ng/ul
RT: 10.96 min Scan# 1382
Delta R.T. -0.11 min
Lab File: BG020414.D
Acq: 22 Dec 2015 18:14

**Instrument :**
BNA_G
**ClientSampleId :**
D9N63ME

Tgt Ion:127 Resp: 75653

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 83.4 | 25.7 | 38.5# |

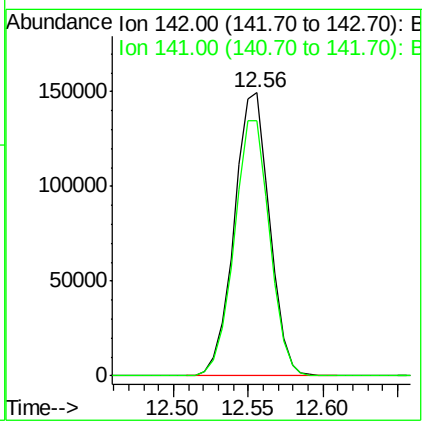


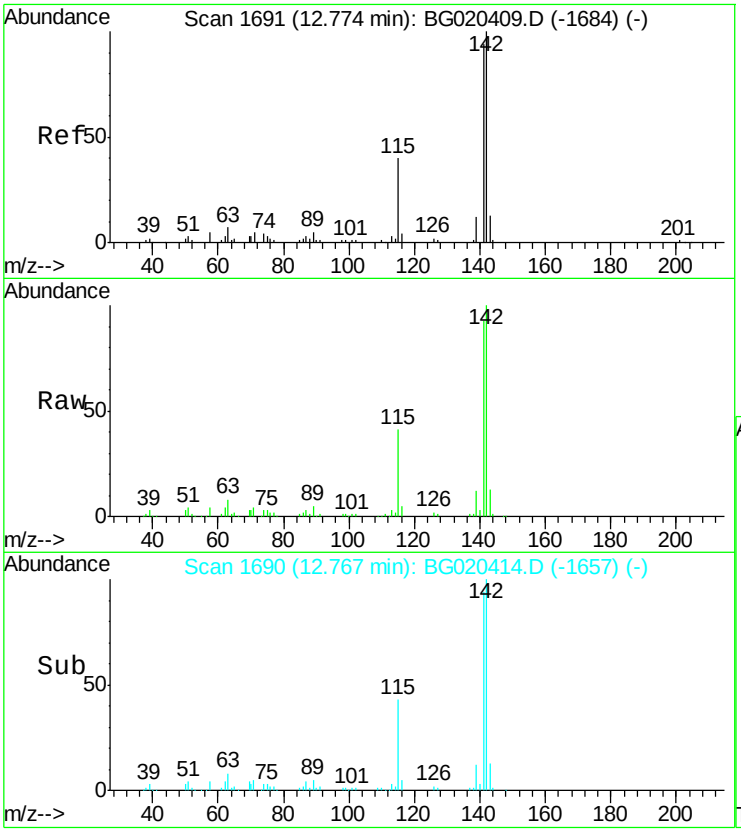




#34
2-Methylnaphthalene
Concen: 68.36 ng/ul
RT: 12.56 min Scan# 1654
Delta R.T. 0.01 min
Lab File: BG020414.D
Acq: 22 Dec 2015 18:14

Tgt Ion:142 Resp: 245104

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.3 | 74.9 | 112.3 |



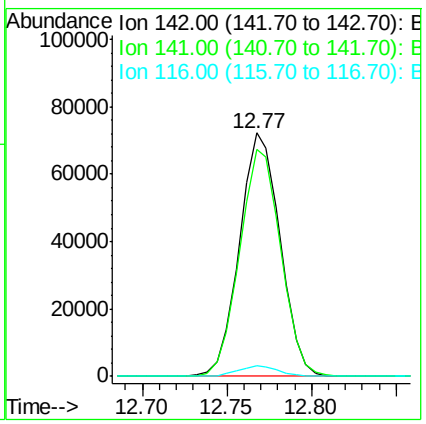


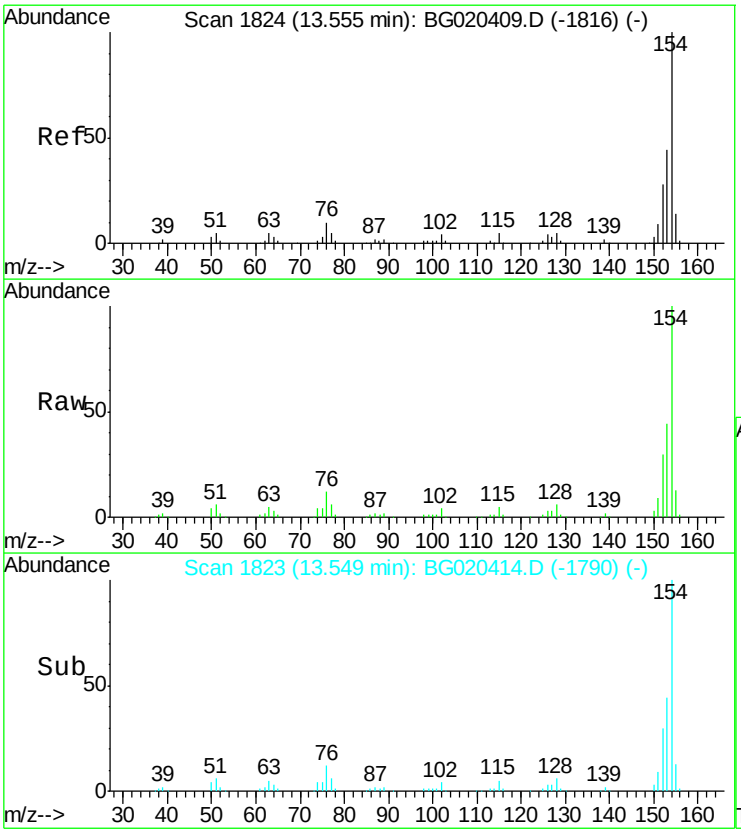

#35
1-Methylnaphthalene
Concen: 34.98 ng/ul
RT: 12.77 min Scan# 1690
Delta R.T. -0.01 min
Lab File: BG020414.D
Acq: 22 Dec 2015 18:14

**Instrument :**
BNA_G
**ClientSampleId :**
D9N63ME

Tgt Ion:142 Resp: 120582

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 93.2 | 73.0 | 109.6 |
| 116 | 4.6 | 3.0 | 4.6# |

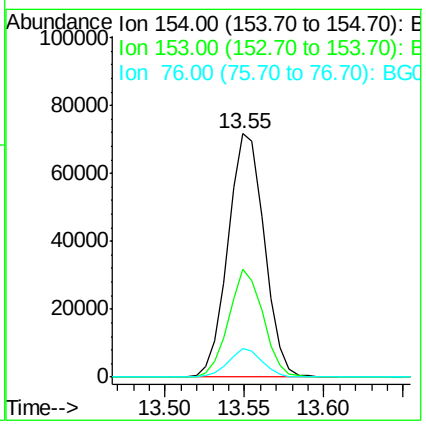


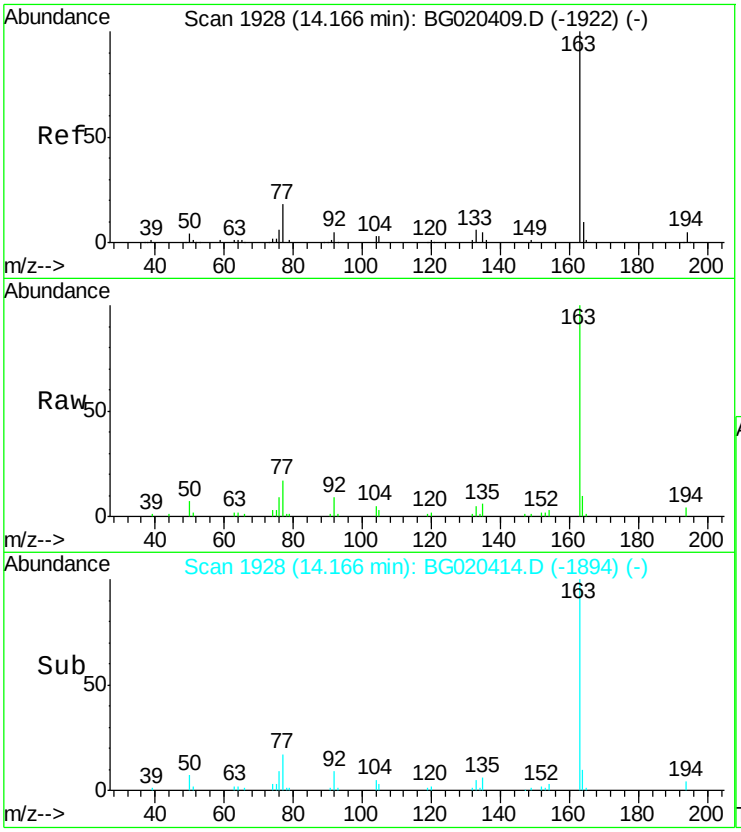




#41
1,1'-Biphenyl
Concen: 21.54 ng/ul
RT: 13.55 min Scan# 1823
Delta R.T. -0.01 min
Lab File: BG020414.D
Acq: 22 Dec 2015 18:14

Tgt Ion:154 Resp: 113441

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 44.2 | 35.5 | 53.3 |
| 76 | 11.7 | 10.4 | 15.6 |



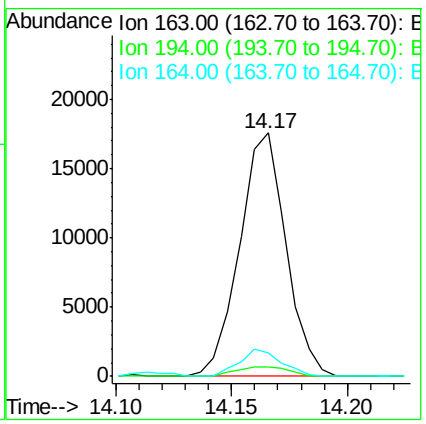


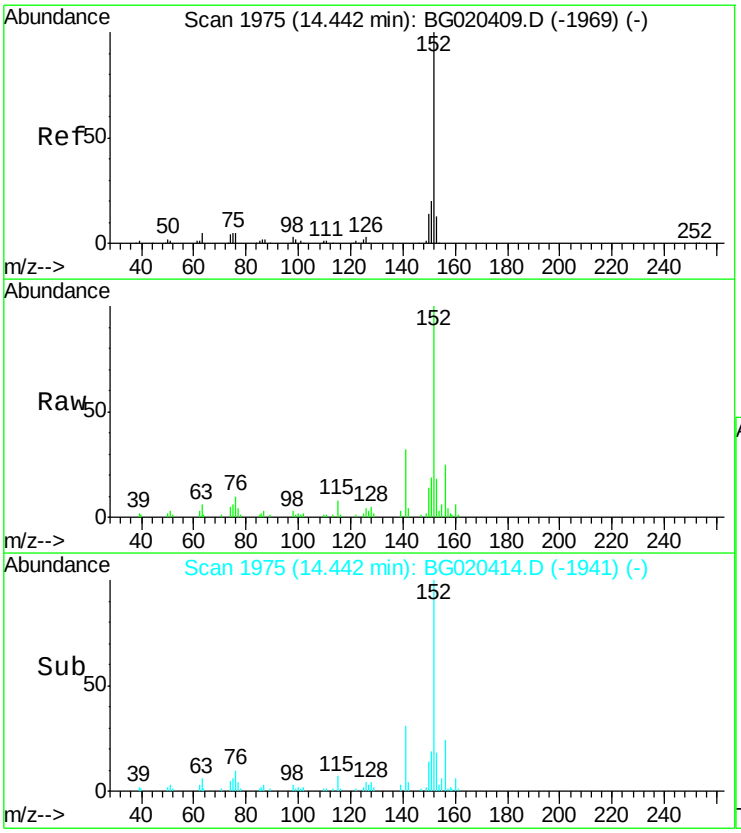

#45
Dimethylphthalate
Concen: 4.27 ng/ul
RT: 14.17 min Scan# 1928
Delta R.T. -0.00 min
Lab File: BG020414.D
Acq: 22 Dec 2015 18:14

**Instrument :**
BNA_G
**ClientSampleId :**
D9N63ME

Tgt Ion:163 Resp: 24624

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.8 | 3.5 | 5.3 |
| 164 | 9.8 | 7.7 | 11.5 |

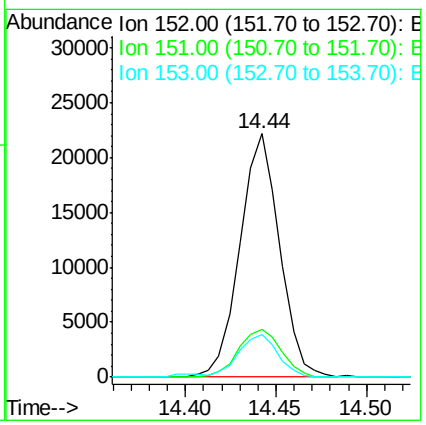


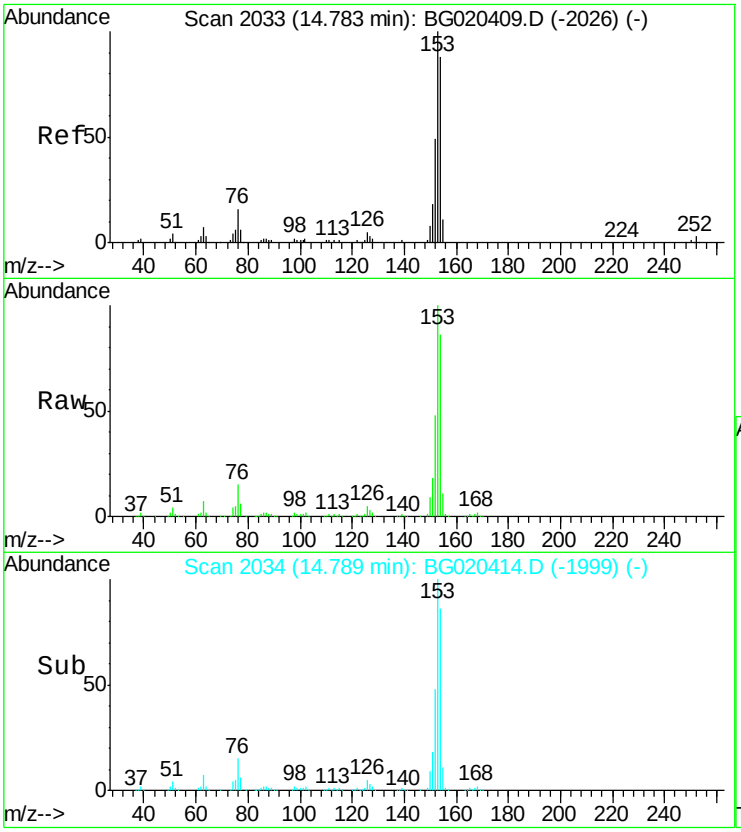




#48
Acenaphthylene
Concen: 4.82 ng/ul
RT: 14.44 min Scan# 1975
Delta R.T. -0.00 min
Lab File: BG020414.D
Acq: 22 Dec 2015 18:14

Tgt Ion:152 Resp: 33663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.5 | 16.4 | 24.6 |
| 153 | 17.5 | 10.4 | 15.6# |



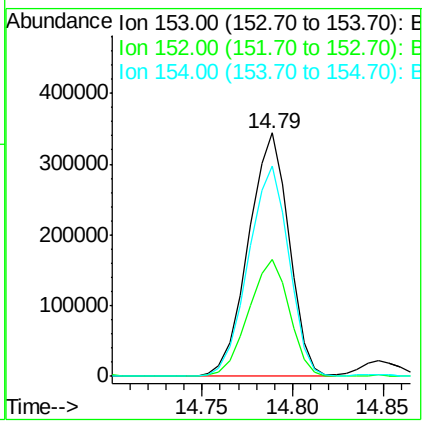


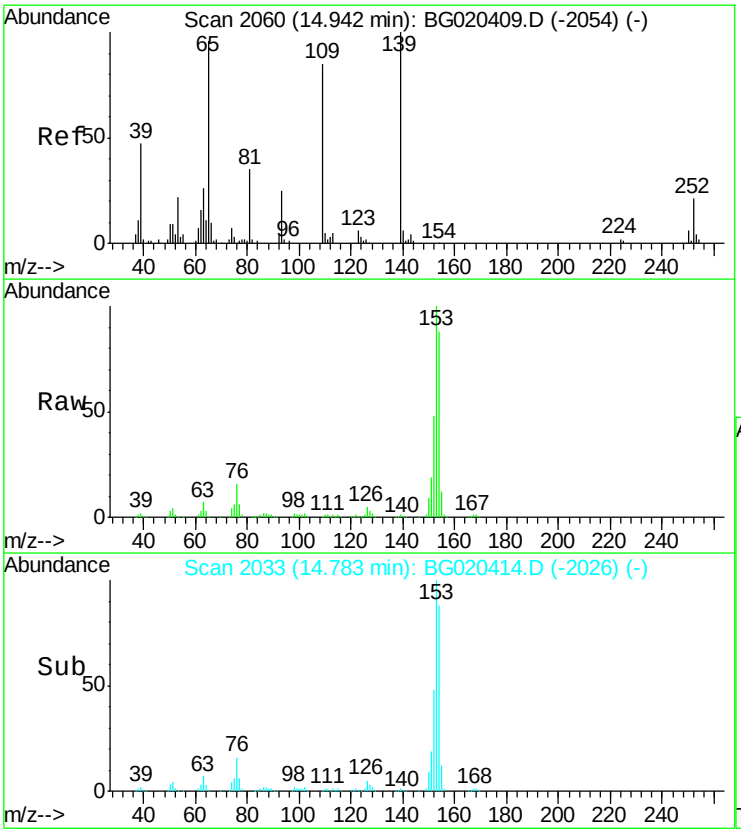

#50
Acenaphthene
Concen: 113.65 ng/ul
RT: 14.79 min Scan# 2034
Delta R.T. 0.01 min
Lab File: BG020414.D
Acq: 22 Dec 2015 18:14

**Instrument :**
BNA_G
**ClientSampleId :**
D9N63ME

Tgt Ion:153 Resp: 533636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 47.8 | 37.6 | 56.4 |
| 154 | 86.3 | 67.9 | 101.9 |

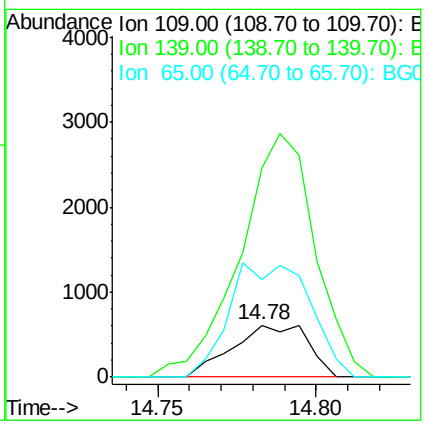


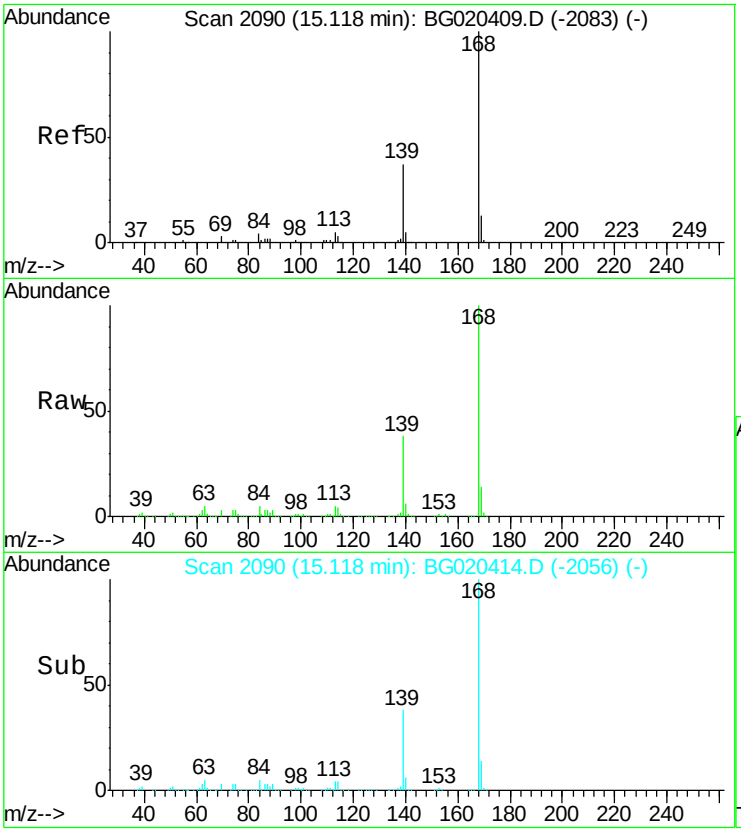




#53
4-Nitrophenol
Concen: 1.04 ng/ul
RT: 14.78 min Scan# 2033
Delta R.T. -0.16 min
Lab File: BG020414.D
Acq: 22 Dec 2015 18:14

Tgt Ion:109 Resp: 1011

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 109 | 100 | | |
| 139 | 402.9 | 80.5 | 120.7# |
| 65 | 188.9 | 93.4 | 140.2# |



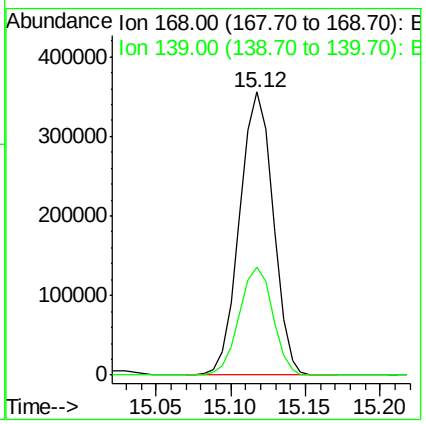


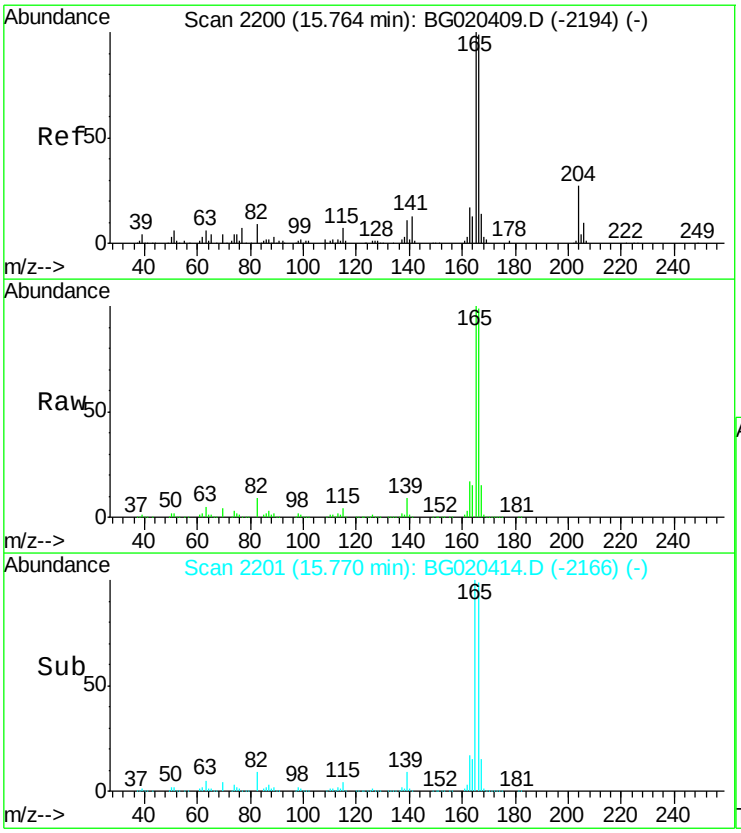

#54
Dibenzofuran
Concen: 79.10 ng/ul
RT: 15.12 min Scan# 2090
Delta R.T. -0.00 min
Lab File: BG020414.D
Acq: 22 Dec 2015 18:14

**Instrument :**
BNA_G
**ClientSampleId :**
D9N63ME

Tgt Ion:168 Resp: 552493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 38.3 | 30.5 | 45.7 |

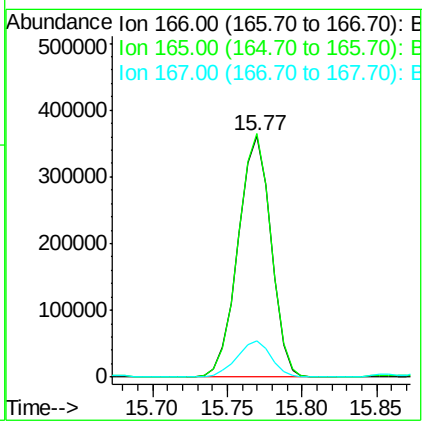


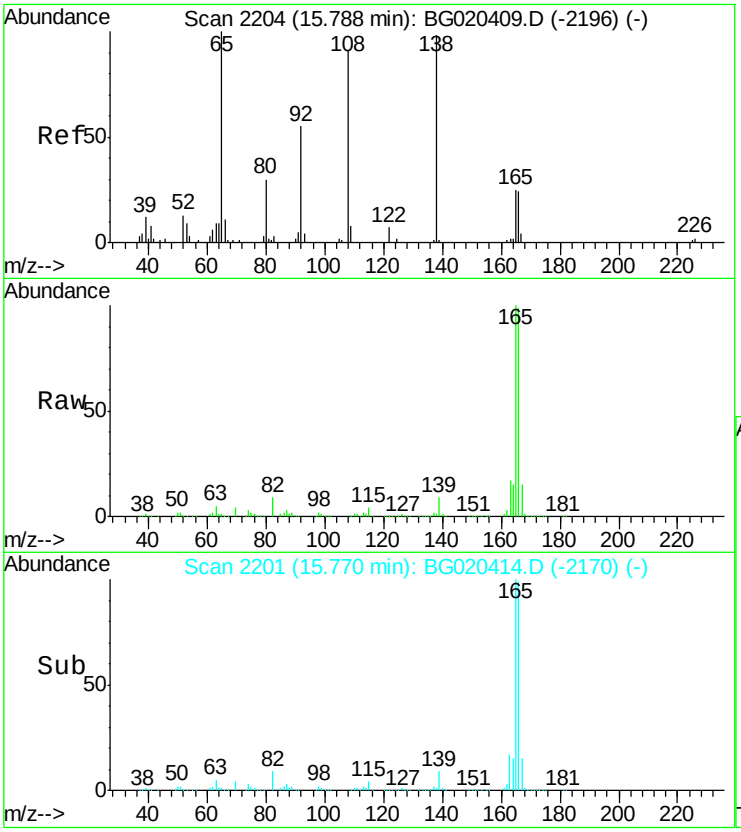




#59
Fluorene
Concen: 98.21 ng/ul
RT: 15.77 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BG020414.D
Acq: 22 Dec 2015 18:14

Tgt Ion:166 Resp: 550859

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 101.0 | 81.4 | 122.0 |
| 167 | 15.1 | 11.2 | 16.8 |



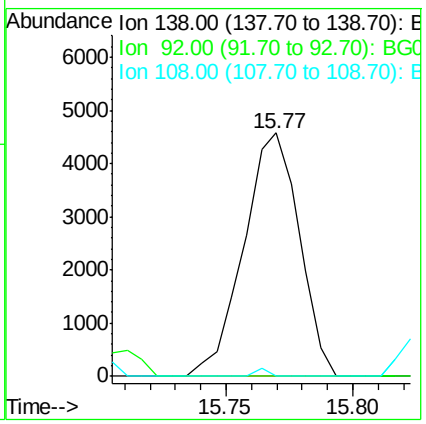


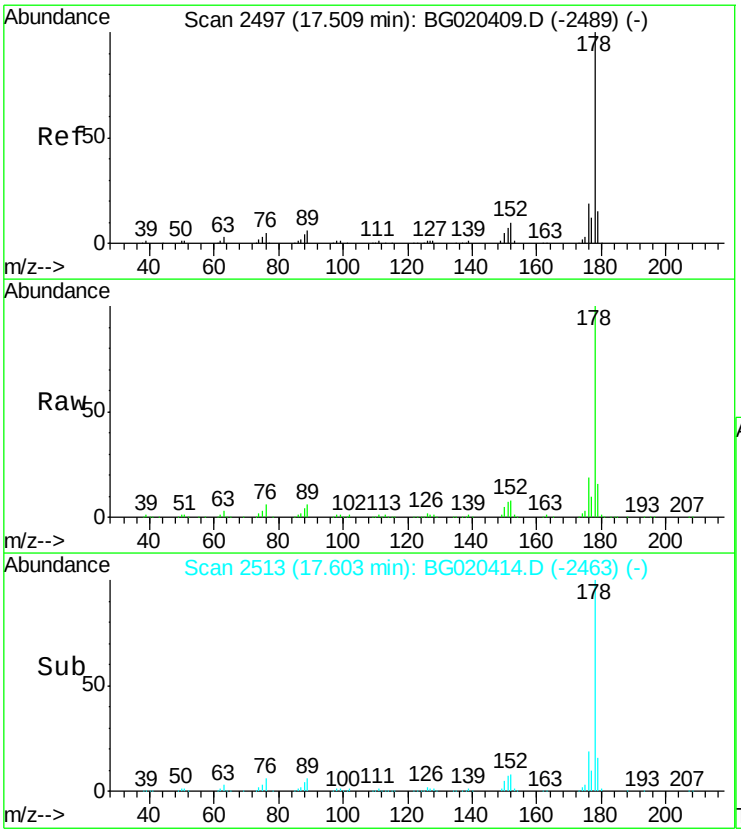

#61
4-Nitroaniline
Concen: 5.58 ng/ul
RT: 15.77 min Scan# 2201
Delta R.T. -0.02 min
Lab File: BG020414.D
Acq: 22 Dec 2015 18:14

**Instrument :**
BNA_G
**ClientSampleId :**
D9N63ME

Tgt Ion:138 Resp: 6985

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 0.0 | 45.2 | 67.8# |
| 108 | 0.0 | 75.4 | 113.0# |

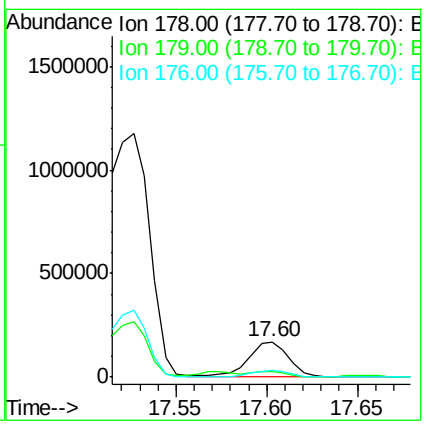


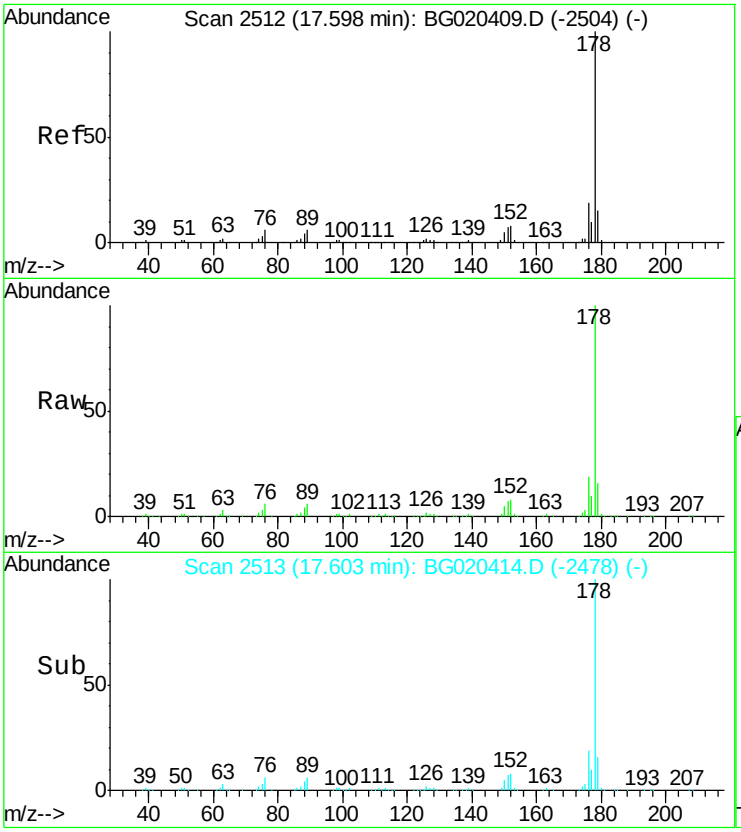




#70
Phenanthrene
Concen: 29.32 ng/ul
RT: 17.60 min Scan# 2513
Delta R.T. 0.09 min
Lab File: BG020414.D
Acq: 22 Dec 2015 18:14

Tgt Ion:178 Resp: 264829

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.2 | 12.9 | 19.3 |
| 176 | 19.0 | 15.3 | 22.9 |



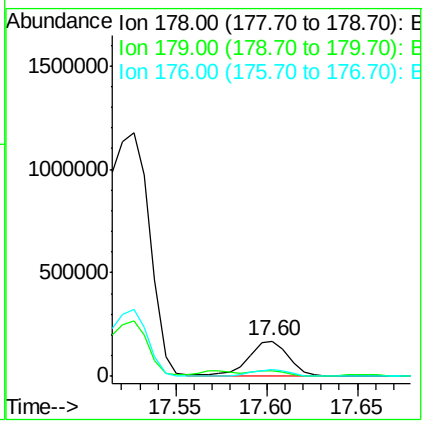


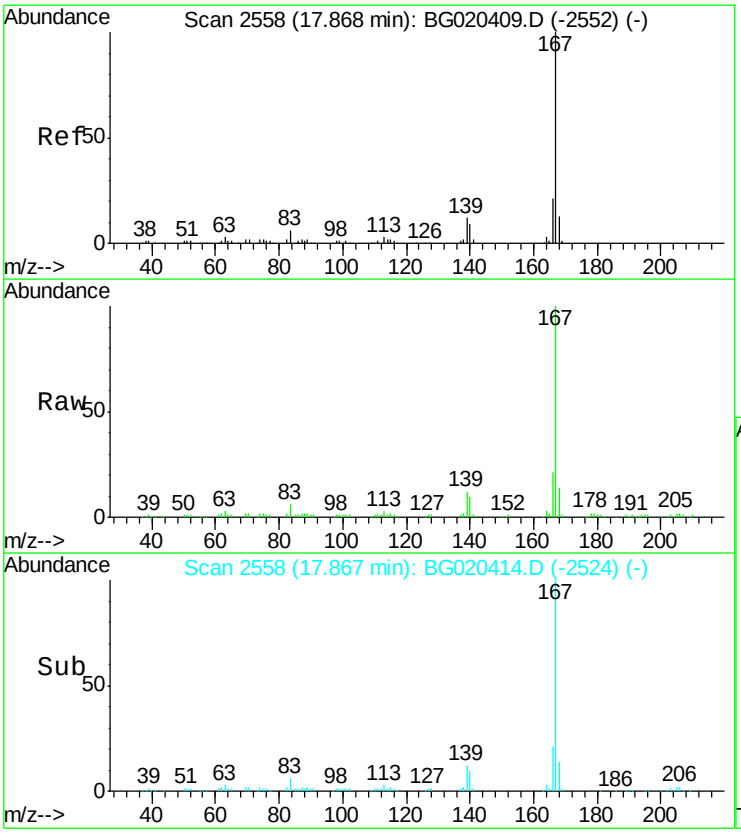

#72
Anthracene
Concen: 28.91 ng/ul
RT: 17.60 min Scan# 2513
Delta R.T. 0.01 min
Lab File: BG020414.D
Acq: 22 Dec 2015 18:14

**Instrument :**
BNA_G
**ClientSampleId :**
D9N63ME

Tgt Ion:178 Resp: 264829

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.2 | 12.3 | 18.5 |
| 176 | 19.0 | 14.3 | 21.5 |

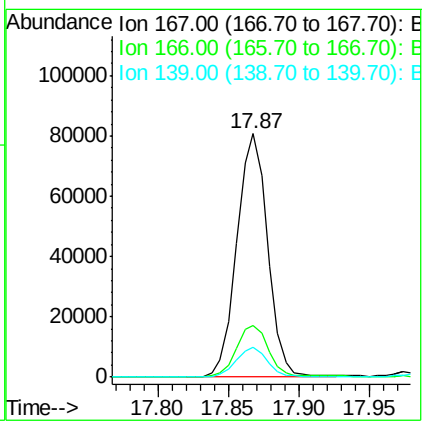


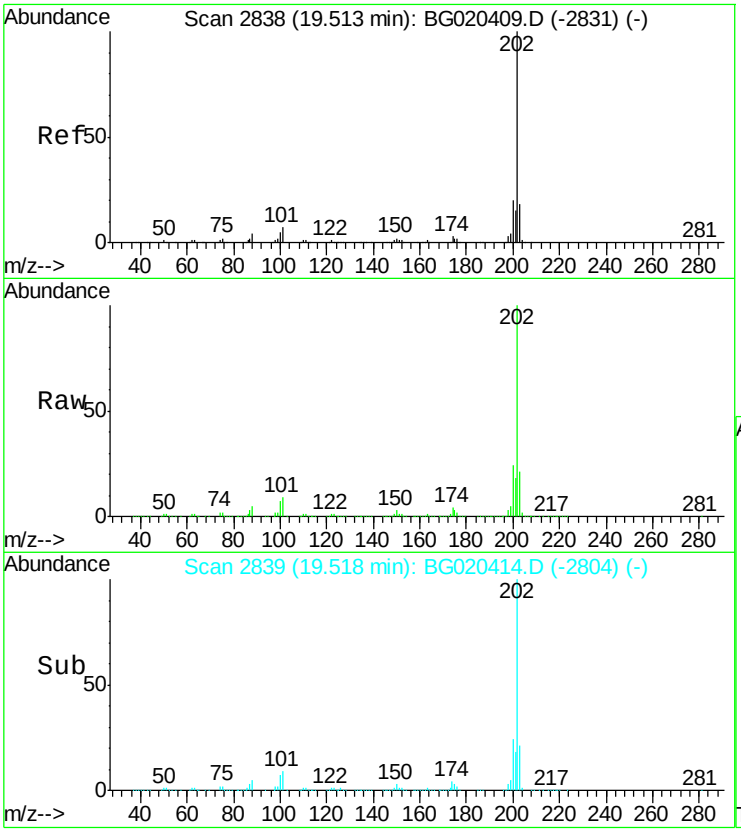




#75
Carbazole
Concen: 16.03 ng/ul
RT: 17.87 min Scan# 2558
Delta R.T. -0.00 min
Lab File: BG020414.D
Acq: 22 Dec 2015 18:14

Tgt Ion:167 Resp: 123432

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.0 | 17.0 | 25.6 |
| 139 | 12.0 | 10.1 | 15.1 |



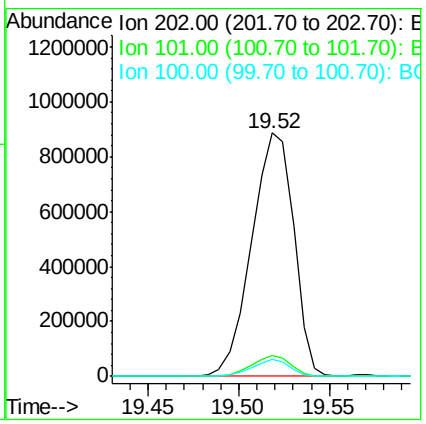


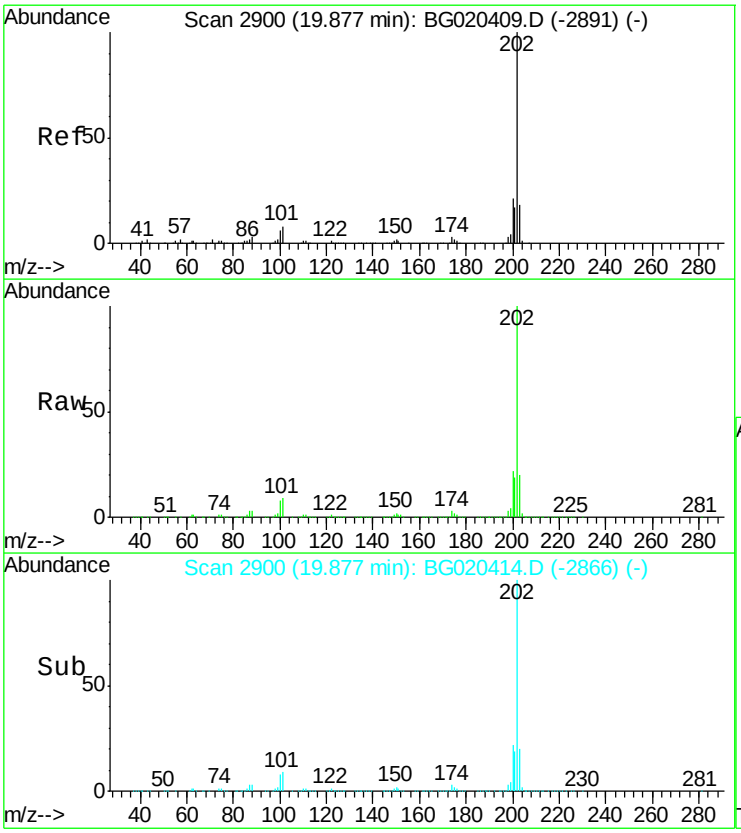

#77
Fluoranthene
Concen: 135.26 ng/ul
RT: 19.52 min Scan# 2839
Delta R.T. 0.01 min
Lab File: BG020414.D
Acq: 22 Dec 2015 18:14

**Instrument :**
BNA_G
**ClientSampleId :**
D9N63ME

Tgt Ion:202 Resp: 1427879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 8.8 | 6.2 | 9.4 |
| 100 | 7.2 | 5.1 | 7.7 |

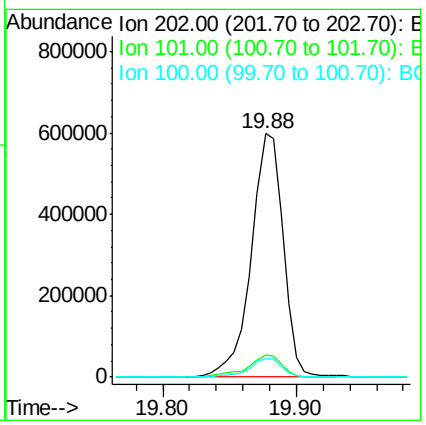


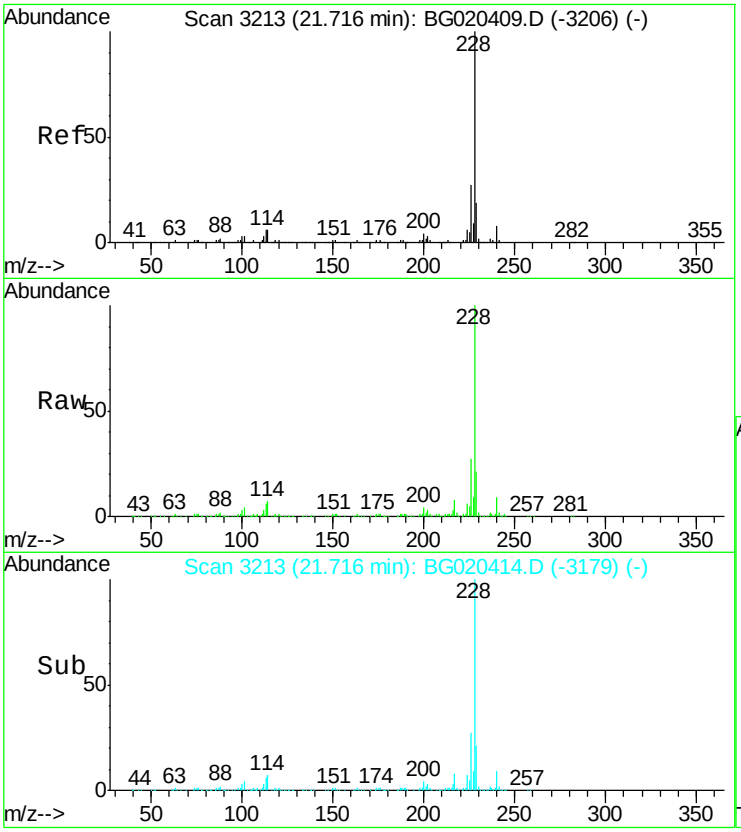




#80
Pyrene
Concen: 98.75 ng/ul
RT: 19.88 min Scan# 2900
Delta R.T. -0.00 min
Lab File: BG020414.D
Acq: 22 Dec 2015 18:14

Tgt Ion:202 Resp: 985331

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.4 | 7.0 | 10.4 |
| 100 | 7.7 | 6.4 | 9.6 |



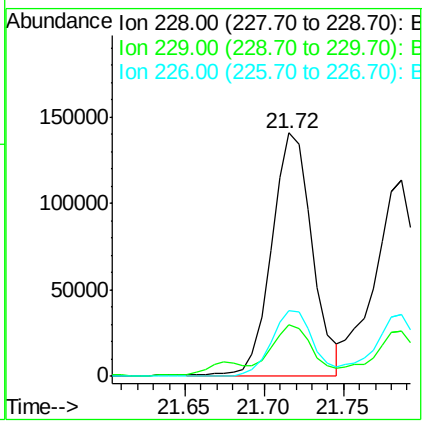


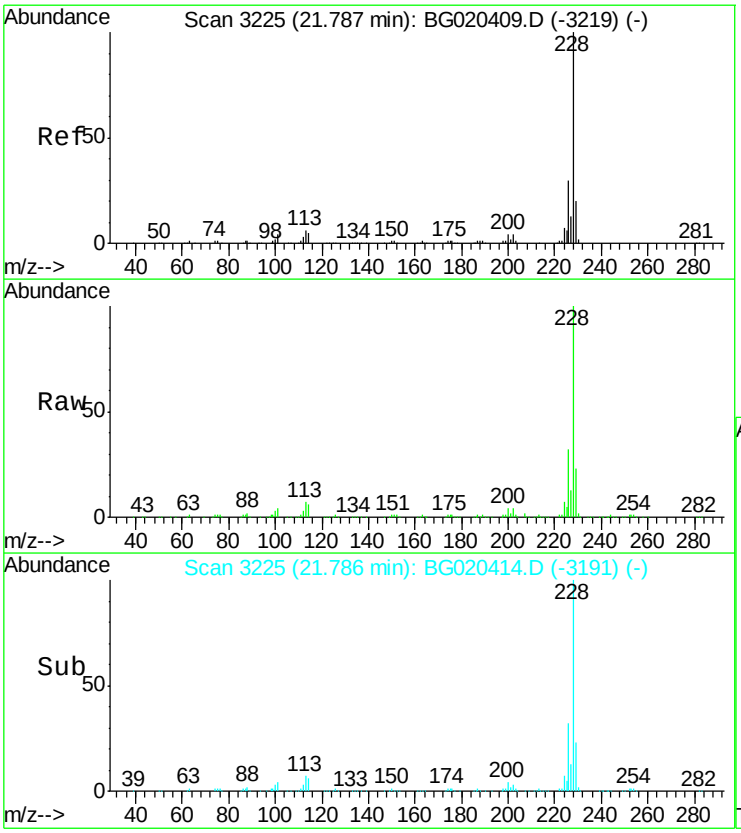

#83
Benzo(a)anthracene
Concen:  25.91 ng/ul
RT: 21.72 min  Scan# 3213
Delta R.T.  -0.00 min
Lab File:  BG020414.D
Acq: 22 Dec 2015  18:14

**Instrument :**
BNA_G
**ClientSampleId :**
D9N63ME

Tgt Ion:228 Resp:  249229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 21.1 | 15.8 | 23.8 |
| 226 | 26.8 | 21.8 | 32.6 |

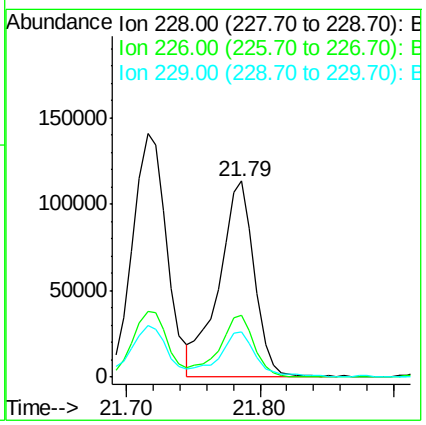


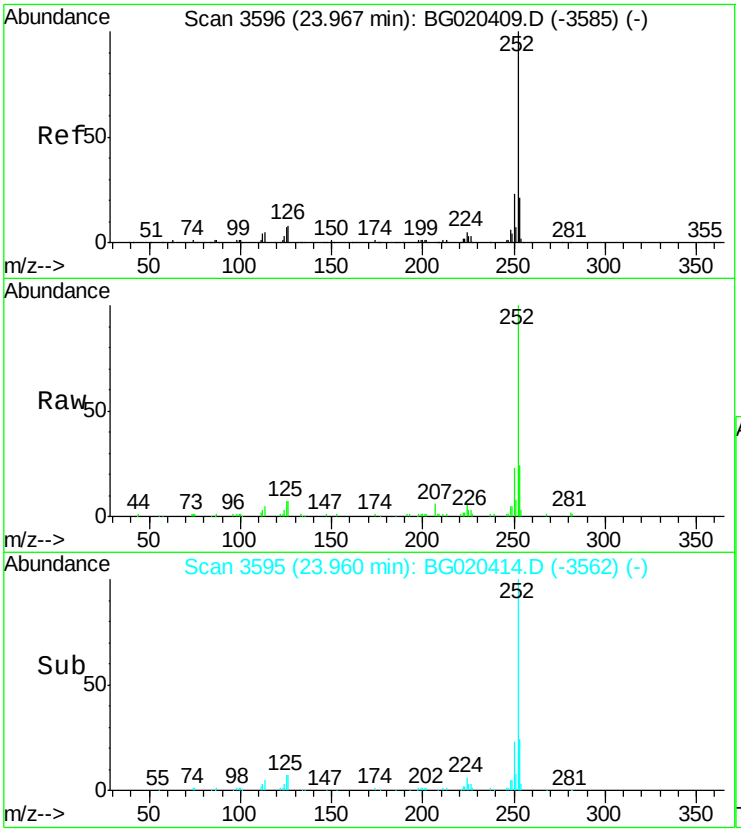




#85
Chrysene
Concen:  22.94 ng/ul
RT: 21.79 min  Scan# 3225
Delta R.T.  -0.00 min
Lab File:  BG020414.D
Acq: 22 Dec 2015  18:14

Tgt Ion:228 Resp:  207842

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.6 | 23.9 | 35.9 |
| 229 | 23.3 | 15.6 | 23.4 |



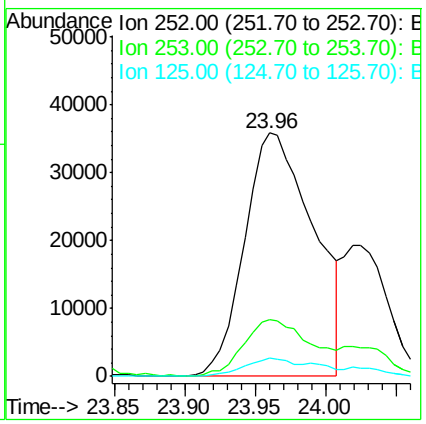


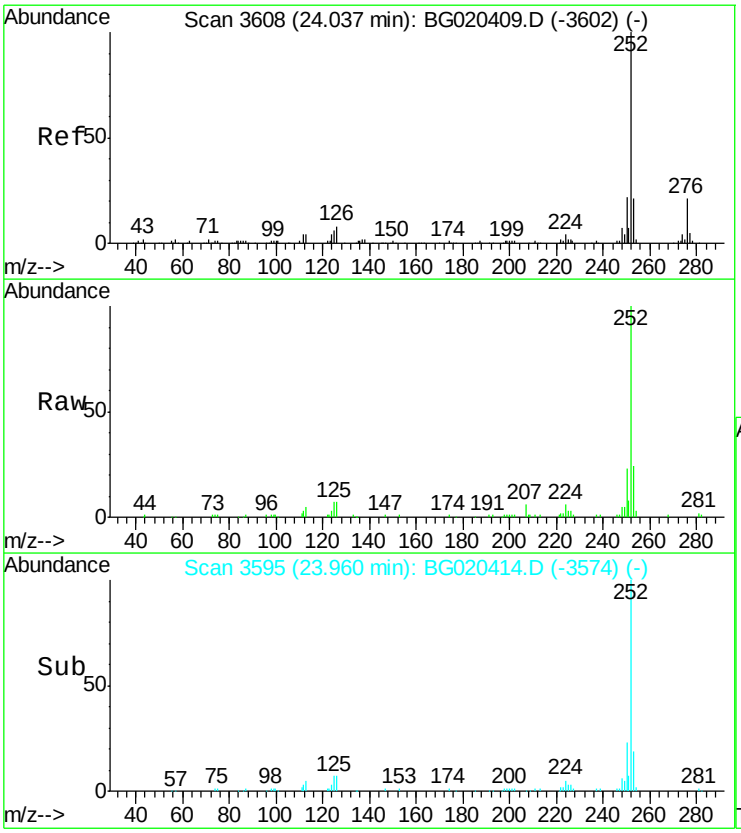

#88
Benzo(b)fluoranthene
Concen: 12.59 ng/ul
RT: 23.96 min Scan# 3595
Delta R.T. -0.01 min
Lab File: BG020414.D
Acq: 22 Dec 2015 18:14

**Instrument :**
BNA_G
**ClientSampleId :**
D9N63ME

Tgt Ion:252 Resp: 122208

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.5 | 16.7 | 25.1 |
| 125 | 7.3 | 6.2 | 9.2 |

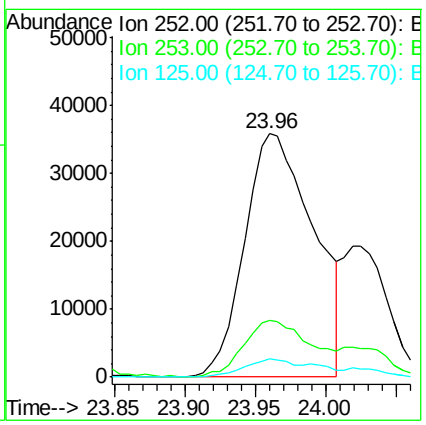


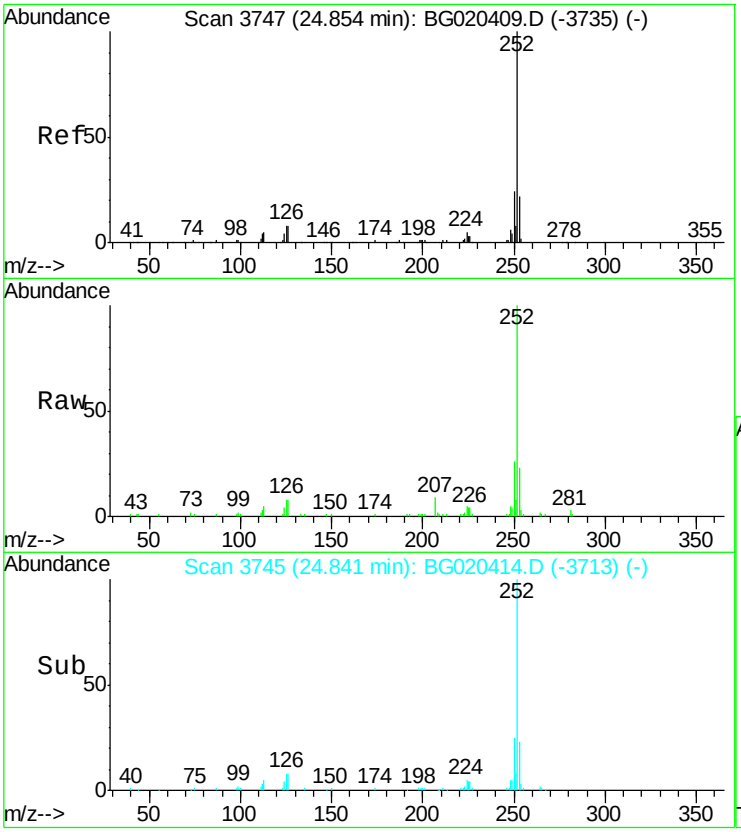




#89
Benzo(k)fluoranthene
Concen: 13.11 ng/ul
RT: 23.96 min Scan# 3595
Delta R.T. -0.08 min
Lab File: BG020414.D
Acq: 22 Dec 2015 18:14

Tgt Ion:252 Resp: 122208

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.5 | 17.9 | 26.9 |
| 125 | 7.3 | 5.8 | 8.6 |



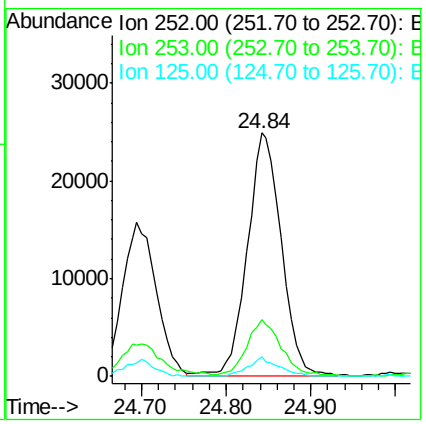


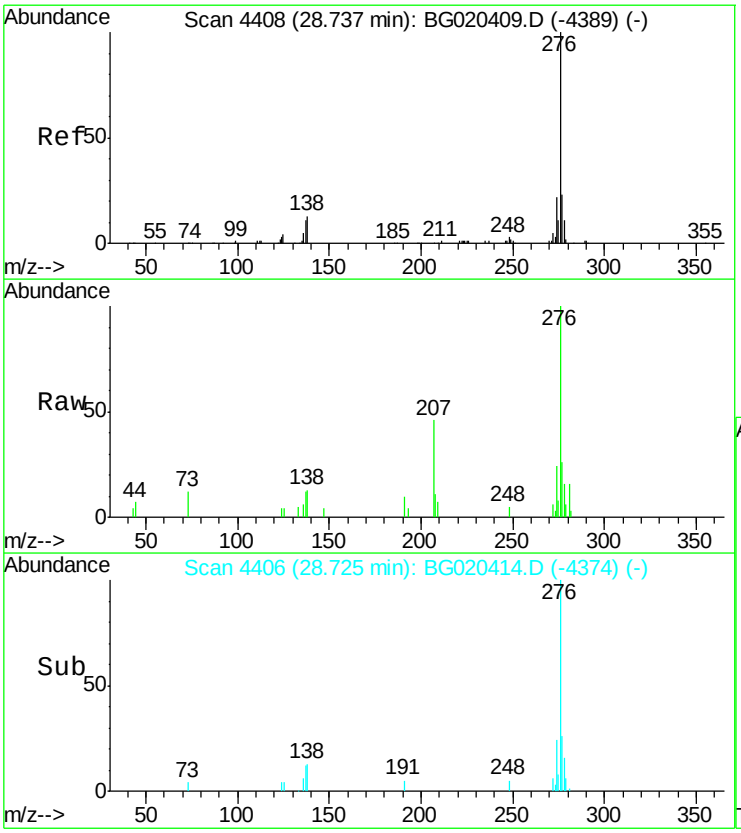

#91
Benzo(a)pyrene
Concen: 7.59 ng/ul
RT: 24.84 min Scan# 3745
Delta R.T. -0.01 min
Lab File: BG020414.D
Acq: 22 Dec 2015 18:14

**Instrument :**
BNA_G
**ClientSampleId :**
D9N63ME

Tgt Ion:252 Resp: 69841

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.4 | 17.0 | 25.4 |
| 125 | 8.0 | 6.2 | 9.4 |

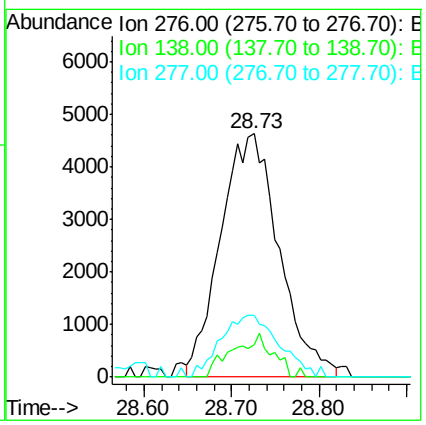


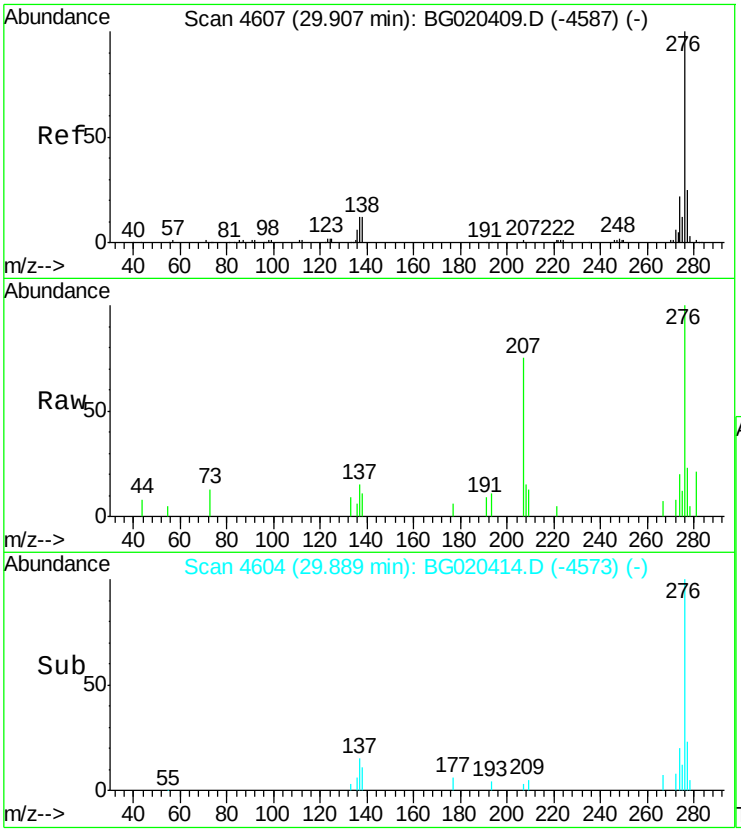




#92
Indeno(1,2,3-cd)pyrene
Concen: 1.93 ng/ul
RT: 28.73 min Scan# 4406
Delta R.T. -0.01 min
Lab File: BG020414.D
Acq: 22 Dec 2015 18:14

Tgt Ion:276 Resp: 21193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 13.1 | 11.4 | 17.0 |
| 277 | 25.6 | 17.4 | 26.0 |






#94
Benzo(g,h,i)perylene
Concen: 1.02 ng/ul
RT: 29.89 min Scan# 4604
Delta R.T. -0.02 min
Lab File: BG020414.D
Acq: 22 Dec 2015 18:14

**Instrument :**
BNA_G
**ClientSampleId :**
D9N63ME

Tgt Ion:276 Resp: 9167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 10.6 | 10.8 | 16.2# |
| 277 | 22.8 | 19.9 | 29.9 |