Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030816\
Data File : BG021381.D
Acq On : 9 Mar 2016 00:27
Operator : UM/SJ
Sample : H1655-05
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** MS-SS-D350

Quant Time: Mar 09 02:04:49 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG030316.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Mar 09 02:03:52 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.13 | 152 | 12886 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.93 | 136 | 63447 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.73 | 164 | 37290 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.47 | 188 | 84046 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.73 | 240 | 88296 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 24.99 | 264 | 82125 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.53 | 96 | 1217 | 3.94 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.27 | 99 | 35503 | 26.27 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.44 | 67 | 23825 | 26.68 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.65 | 132 | 25666 | 27.23 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.82 | 113 | 27425 | 25.72 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.29 | 128 | 13524 | 26.64 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 10.01 | 143 | 14668 | 27.23 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.55 | 165 | 25406 | 26.31 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 11.06 | 131 | 32066 | 26.59 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 14.13 | 166 | 85220 | 27.64 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 14.43 | 160 | 109734 | 28.20 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.91 | 143 | 11927 | 19.64 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 15.73 | 176 | 76402 | 27.96 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.84 | 200 | 11788 | 19.98 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 17.57 | 188 | 117160 | 28.28 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 19.84 | 212 | 131450 | 29.78 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 24.77 | 264 | 126169 | 28.87 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 45) Dimethylphthalate | 14.18 | 163 | 19059 | 5.74 | ng/ul | 99 |
| 70) Phenanthrene | 17.51 | 178 | 44798 | 8.97 | ng/ul | 98 |
| 72) Anthracene | 17.51 | 178 | 44798 | 8.83 | ng/ul | 98 |
| 75) Carbazole | 17.87 | 167 | 5299 | 1.20 | ng/ul | 95 |
| 77) Fluoranthene | 19.51 | 202 | 75377 | 12.85 | ng/ul | 97 |
| 80) Pyrene | 19.87 | 202 | 62222 | 10.62 | ng/ul | 99 |
| 83) Benzo(a)anthracene | 21.71 | 228 | 35772 | 6.31 | ng/ul | 97 |
| 84) Bis(2-ethylhexyl)phthalate | 21.60 | 149 | 4506 | 1.14 | ng/ul# | 97 |
| 85) Chrysene | 21.78 | 228 | 33451 | 6.33 | ng/ul | 96 |
| 88) Benzo(b)fluoranthene | 23.95 | 252 | 42948 | 7.68 | ng/ul | 99 |
| 89) Benzo(k)fluoranthene | 23.95 | 252 | 42948 | 7.92 | ng/ul | 99 |
| 91) Benzo(a)pyrene | 24.83 | 252 | 29411 | 5.44 | ng/ul# | 95 |
| 92) Indeno(1,2,3-cd)pyrene | 28.68 | 276 | 10763 | 1.82 | ng/ul | 97 |
| 94) Benzo(g,h,i)perylene | 29.84 | 276 | 15763 | 3.56 | ng/ul | 96 |

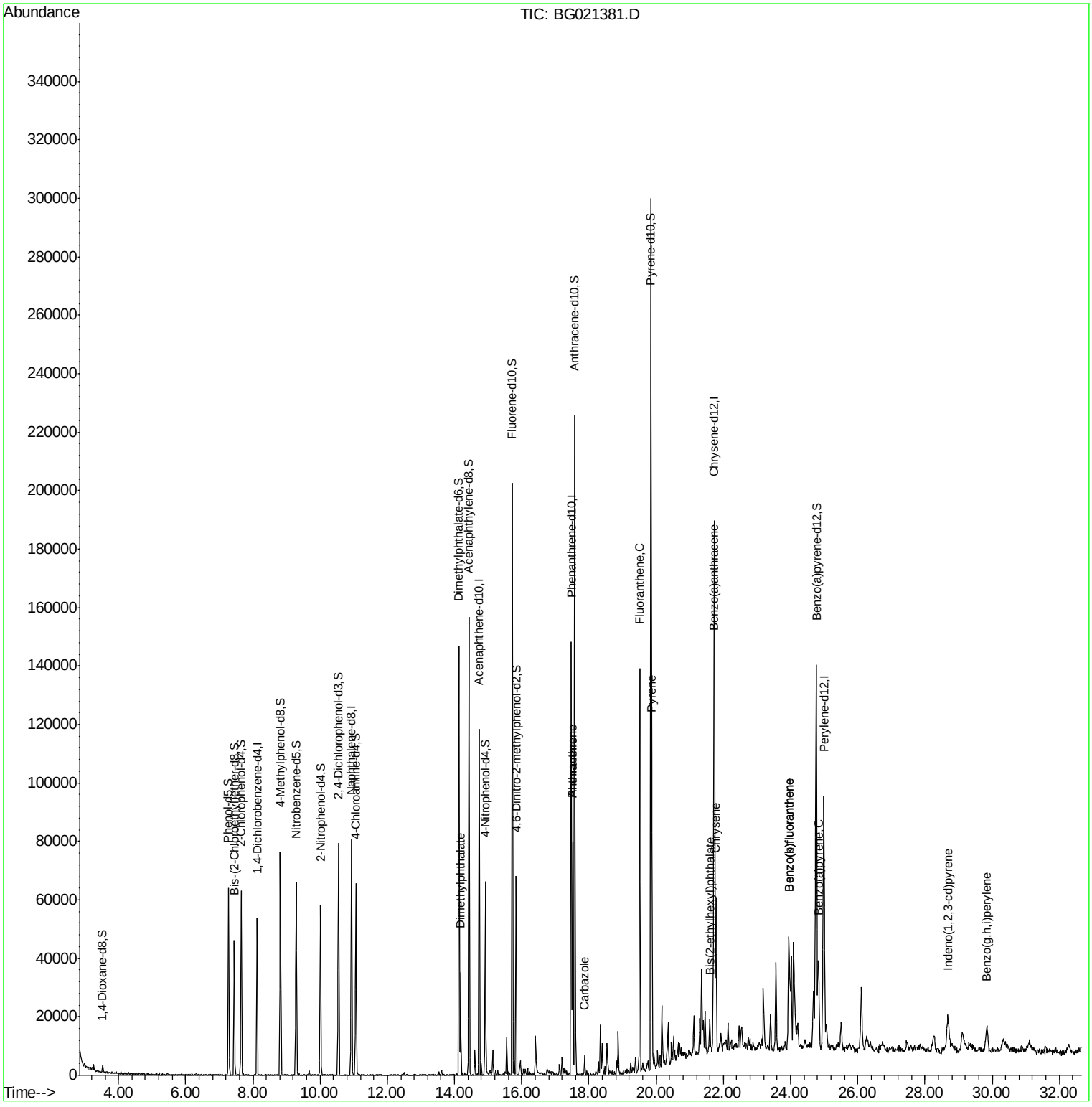
(#) = qualifier out of range (m) = manual integration (+) = signals summed

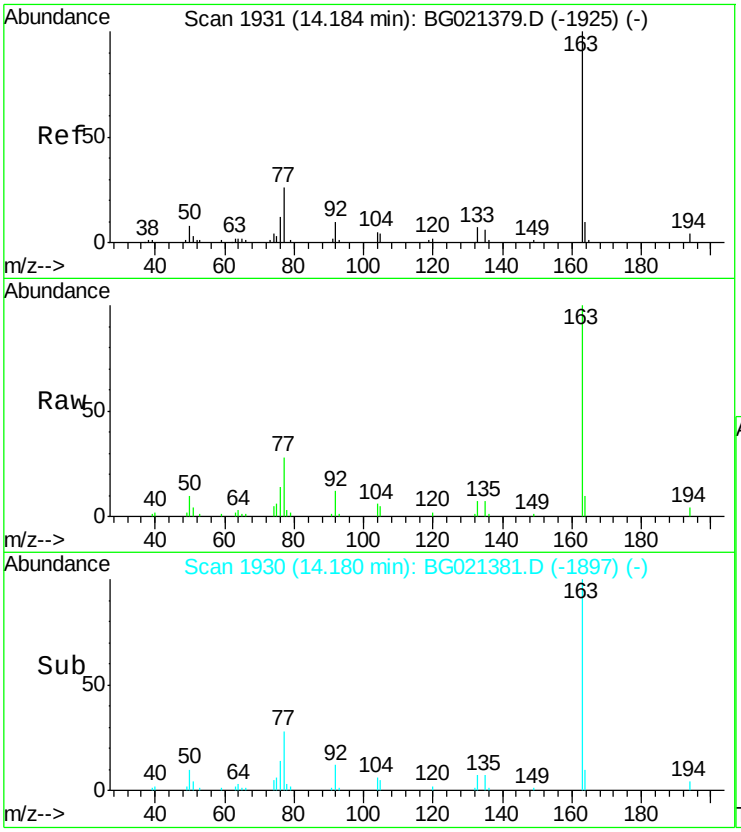
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030816\
Data File : BG021381.D
Acq On : 9 Mar 2016 00:27
Operator : UM/SJ
Sample : H1655-05
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
MS-SS-D350

Quant Time: Mar 09 02:04:49 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG030316.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Mar 09 02:03:52 2016
Response via : Initial Calibration



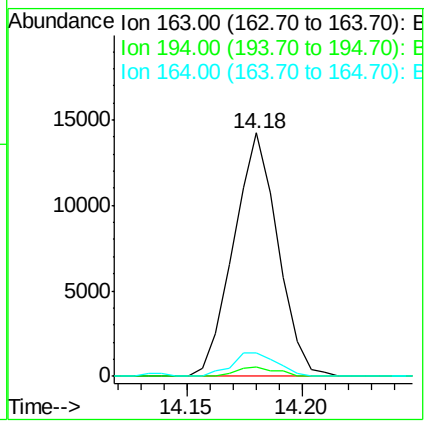


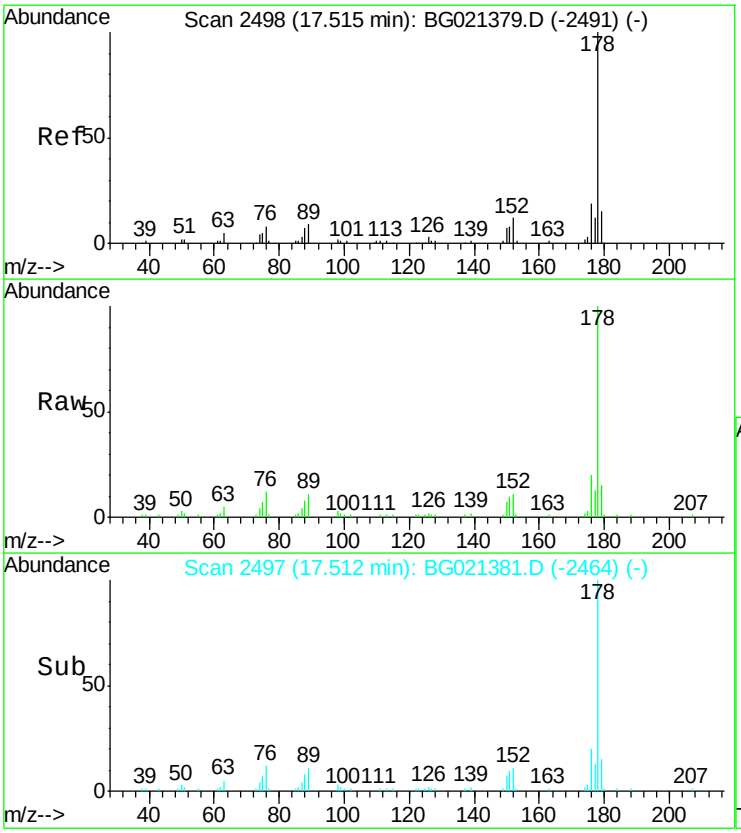

#45
Dimethylphthalate
Concen: 5.74 ng/ul
RT: 14.18 min Scan# 1930
Delta R.T. -0.00 min
Lab File: BG021381.D
Acq: 9 Mar 2016 00:27

**Instrument :**
BNA_G
**ClientSampleId :**
MS-SS-D350

Tgt Ion:163 Resp: 19059

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.1 | 2.8 | 4.2 |
| 164 | 9.8 | 8.2 | 12.2 |

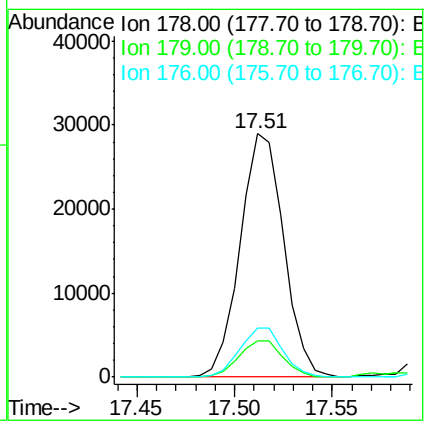


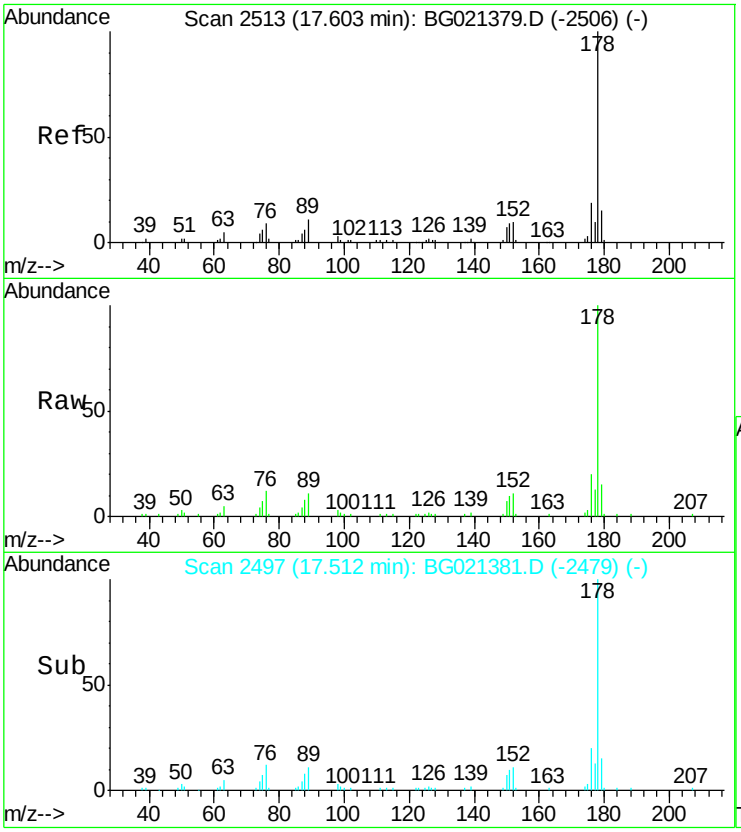




#70
Phenanthrene
Concen: 8.97 ng/ul
RT: 17.51 min Scan# 2497
Delta R.T. -0.00 min
Lab File: BG021381.D
Acq: 9 Mar 2016 00:27

Tgt Ion:178 Resp: 44798

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.1 | 12.3 | 18.5 |
| 176 | 20.0 | 15.1 | 22.7 |



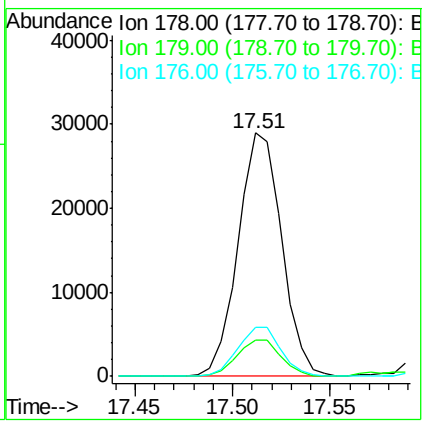


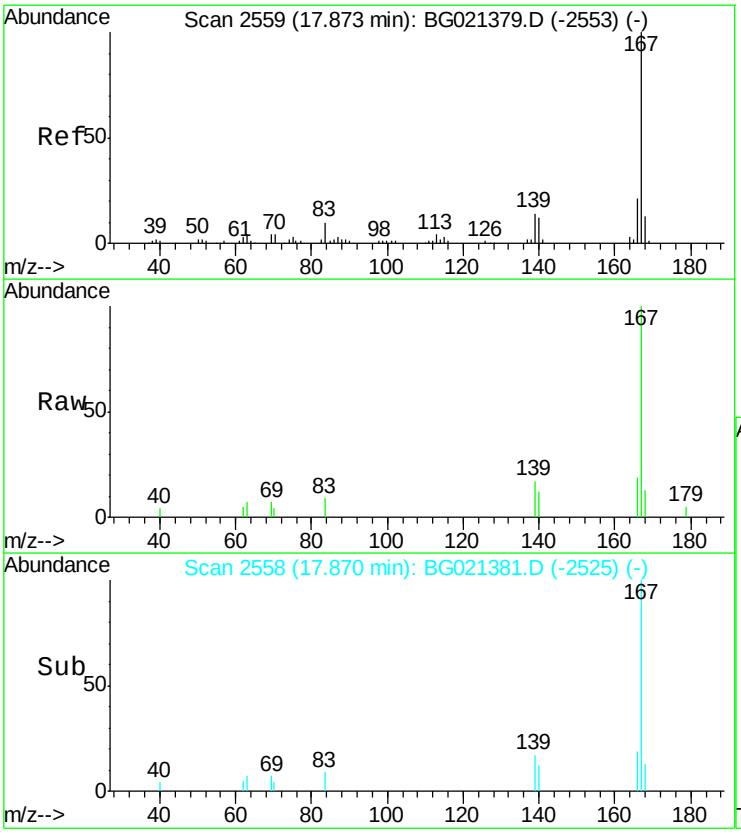

#72
Anthracene
Concen: 8.83 ng/ul
RT: 17.51 min Scan# 2497
Delta R.T. -0.09 min
Lab File: BG021381.D
Acq: 9 Mar 2016 00:27

**Instrument :**
BNA_G
**ClientSampleId :**
MS-SS-D350

Tgt Ion:178 Resp: 44798

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.1 | 11.8 | 17.8 |
| 176 | 20.0 | 15.2 | 22.8 |

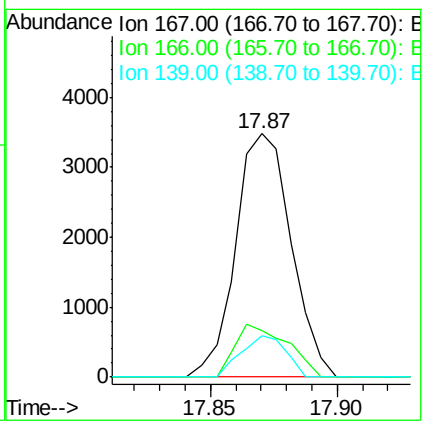


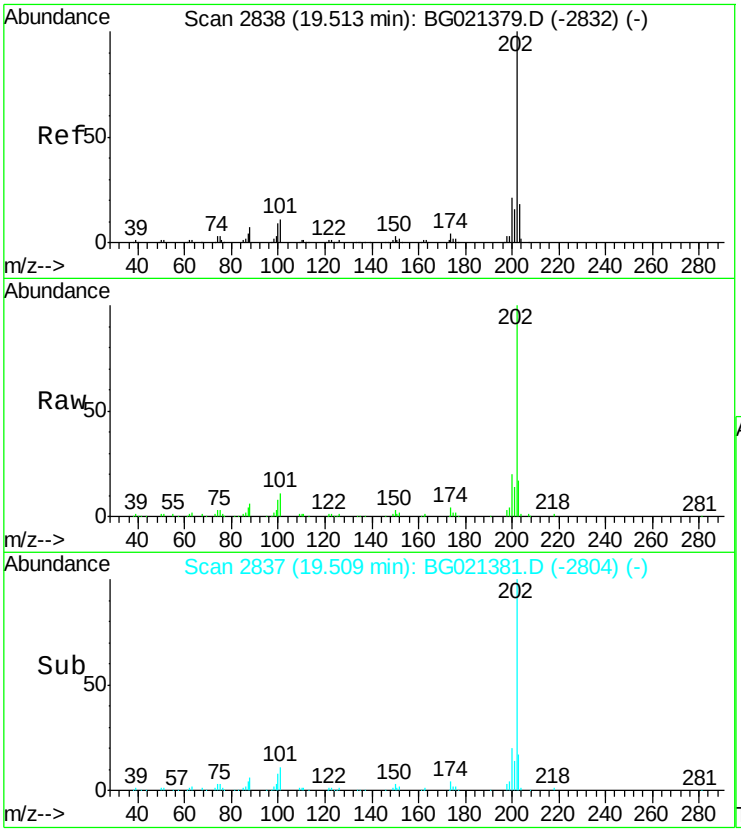




#75
Carbazole
Concen: 1.20 ng/ul
RT: 17.87 min Scan# 2558
Delta R.T. -0.00 min
Lab File: BG021381.D
Acq: 9 Mar 2016 00:27

Tgt Ion:167 Resp: 5299

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 19.1 | 17.4 | 26.0 |
| 139 | 16.9 | 11.8 | 17.6 |



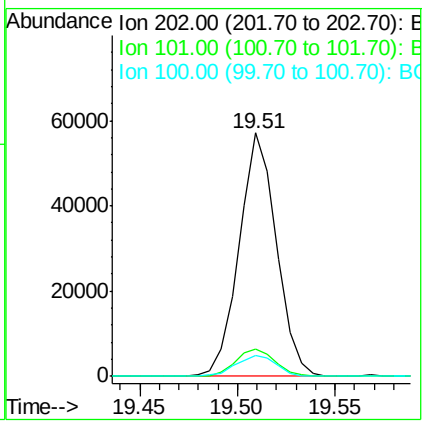


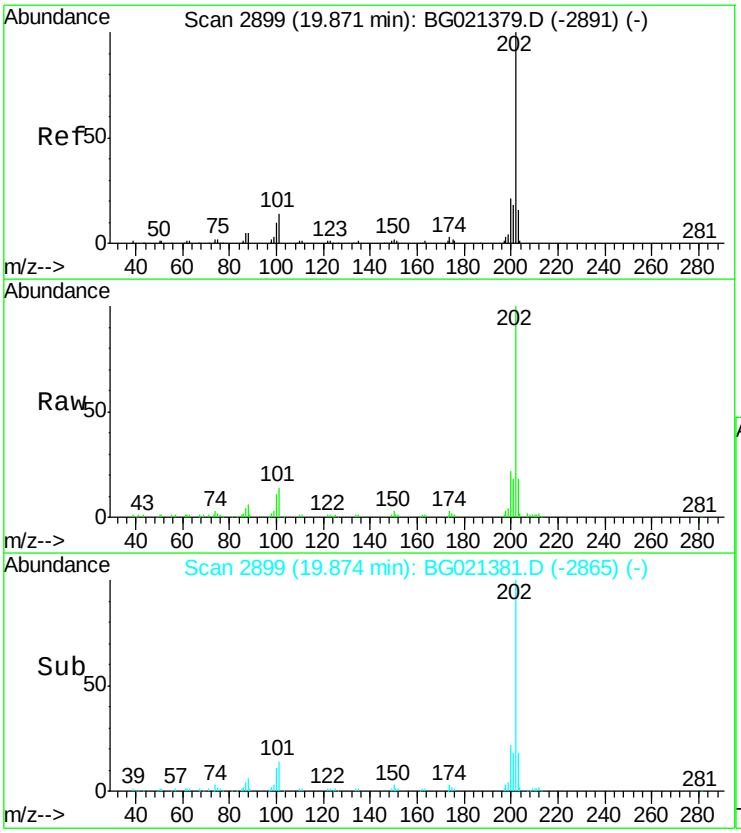

#77
Fluoranthene
Concen: 12.85 ng/ul
RT: 19.51 min Scan# 2837
Delta R.T. -0.00 min
Lab File: BG021381.D
Acq: 9 Mar 2016 00:27

**Instrument :**
BNA_G
**ClientSampleId :**
MS-SS-D350

Tgt Ion:202 Resp: 75377

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.2 | 9.9 | 14.9 |
| 100 | 8.4 | 7.4 | 11.0 |

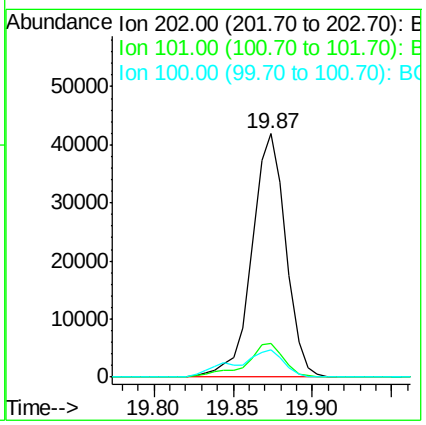


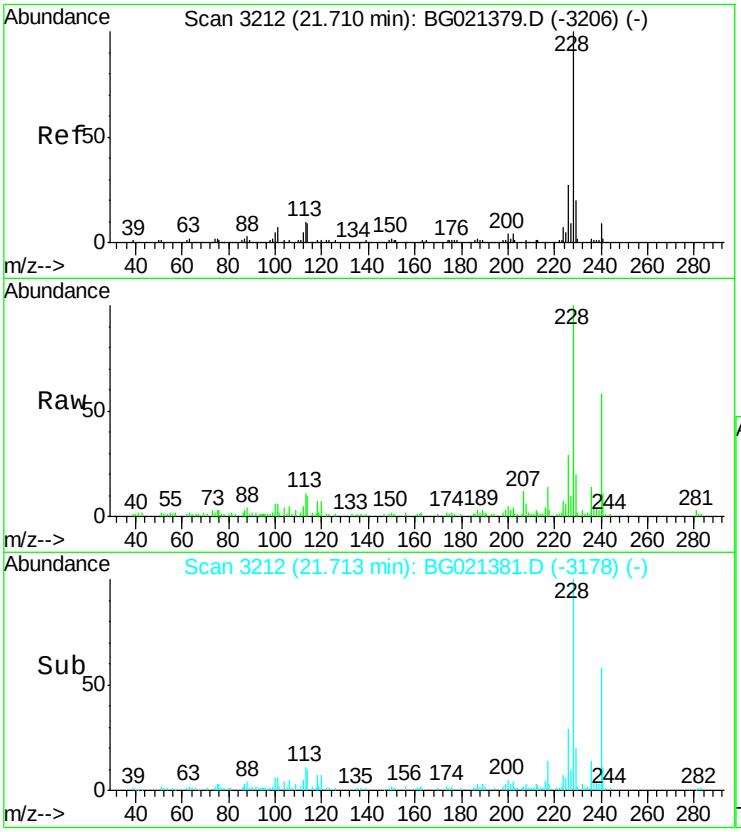




#80
Pyrene
Concen: 10.62 ng/ul
RT: 19.87 min Scan# 2899
Delta R.T. 0.00 min
Lab File: BG021381.D
Acq: 9 Mar 2016 00:27

Tgt Ion:202 Resp: 62222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.6 | 11.0 | 16.4 |
| 100 | 11.2 | 8.1 | 12.1 |



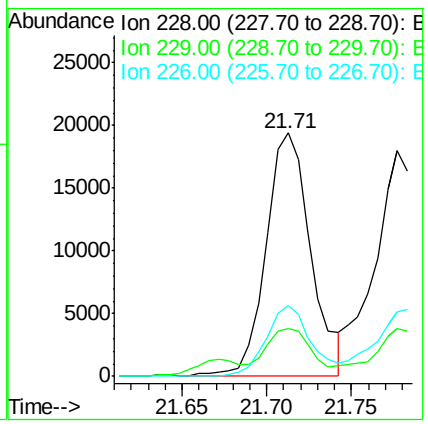


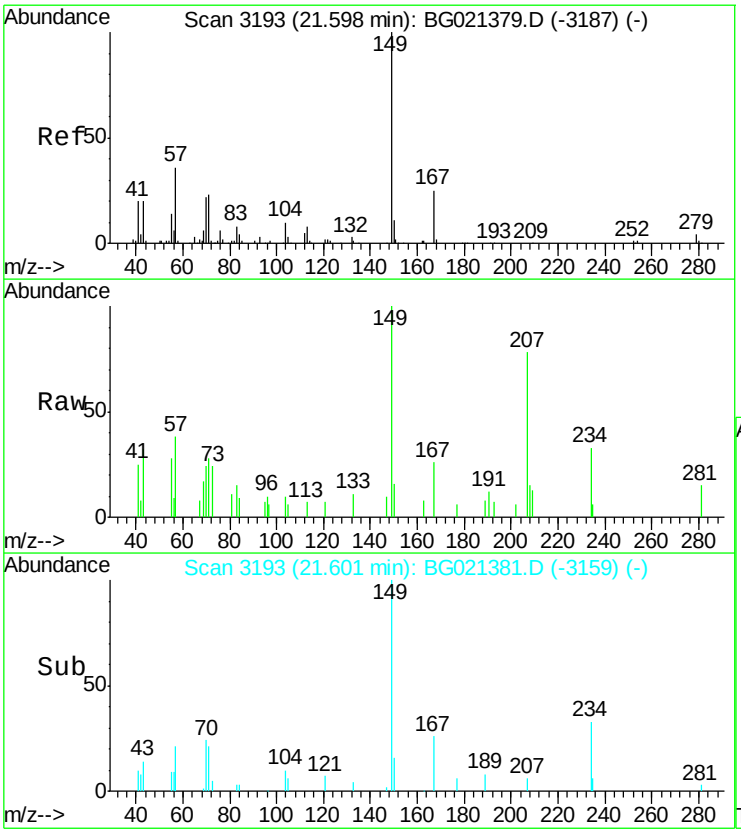

#83
Benzo(a)anthracene
Concen: 6.31 ng/ul
RT: 21.71 min Scan# 3212
Delta R.T. 0.00 min
Lab File: BG021381.D
Acq: 9 Mar 2016 00:27

**Instrument :**
BNA_G
**ClientSampleId :**
MS-SS-D350

Tgt Ion:228 Resp: 35772

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 19.7 | 15.7 | 23.5 |
| 226 | 29.0 | 21.1 | 31.7 |

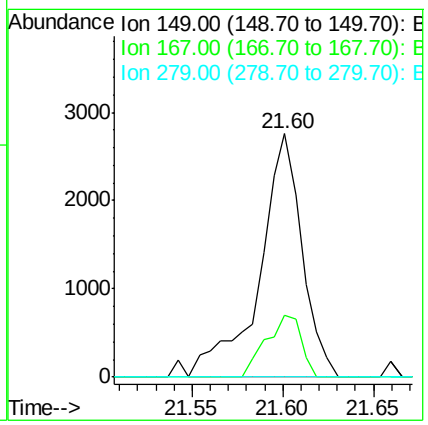


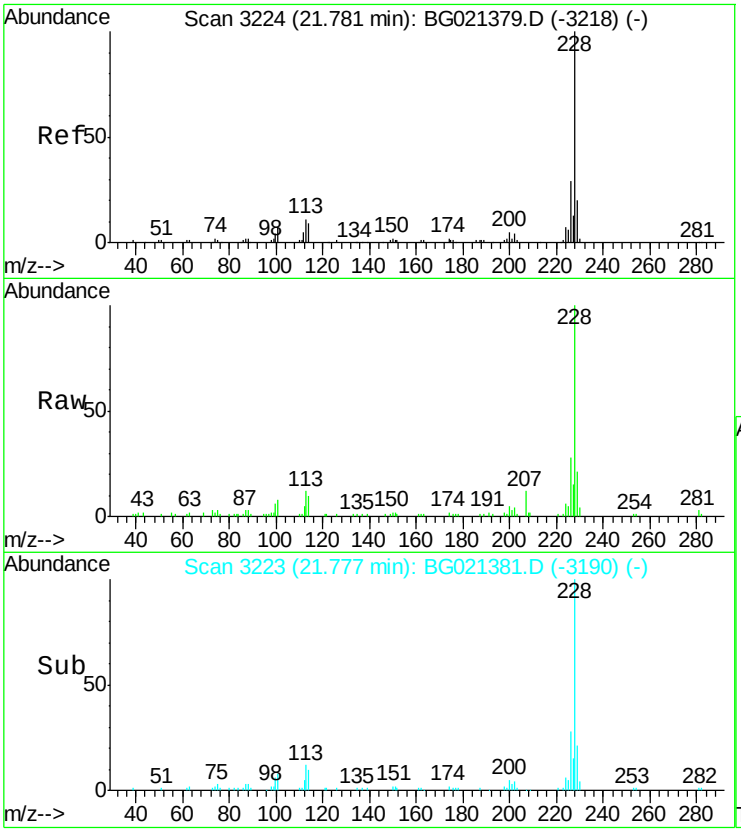




#84
Bis(2-ethylhexyl)phthalate
Concen: 1.14 ng/ul
RT: 21.60 min Scan# 3193
Delta R.T. 0.00 min
Lab File: BG021381.D
Acq: 9 Mar 2016 00:27

Tgt Ion:149 Resp: 4506

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 25.5 | 21.2 | 31.8 |
| 279 | 0.0 | 3.4 | 5.0# |



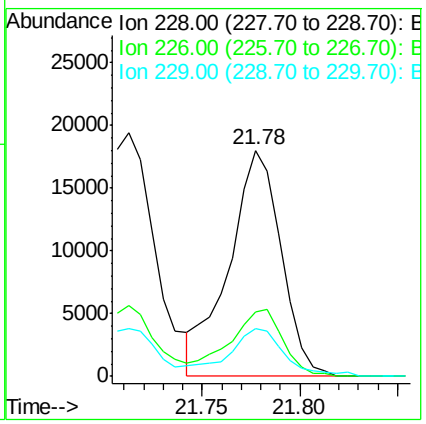


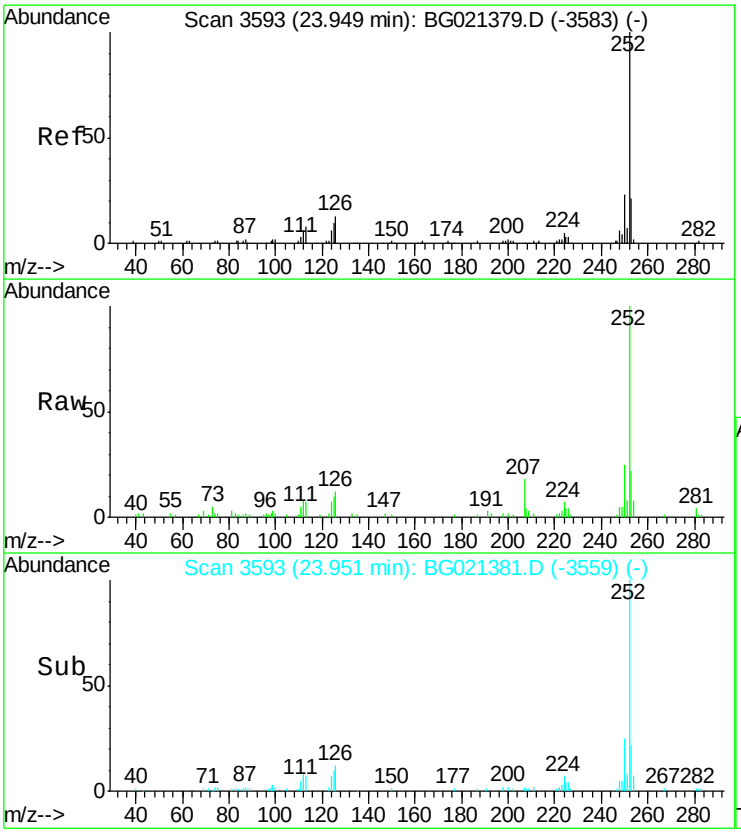

#85
Chrysene
Concen: 6.33 ng/ul
RT: 21.78 min Scan# 3223
Delta R.T. -0.00 min
Lab File: BG021381.D
Acq: 9 Mar 2016 00:27

**Instrument :**
BNA_G
**ClientSampleId :**
MS-SS-D350

Tgt Ion:228 Resp: 33451

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 28.5 | 24.5 | 36.7 |
| 229 | 21.4 | 15.8 | 23.8 |

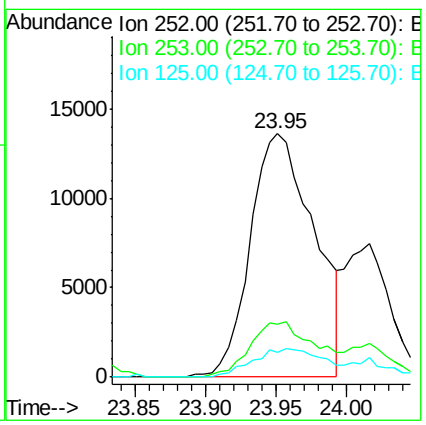


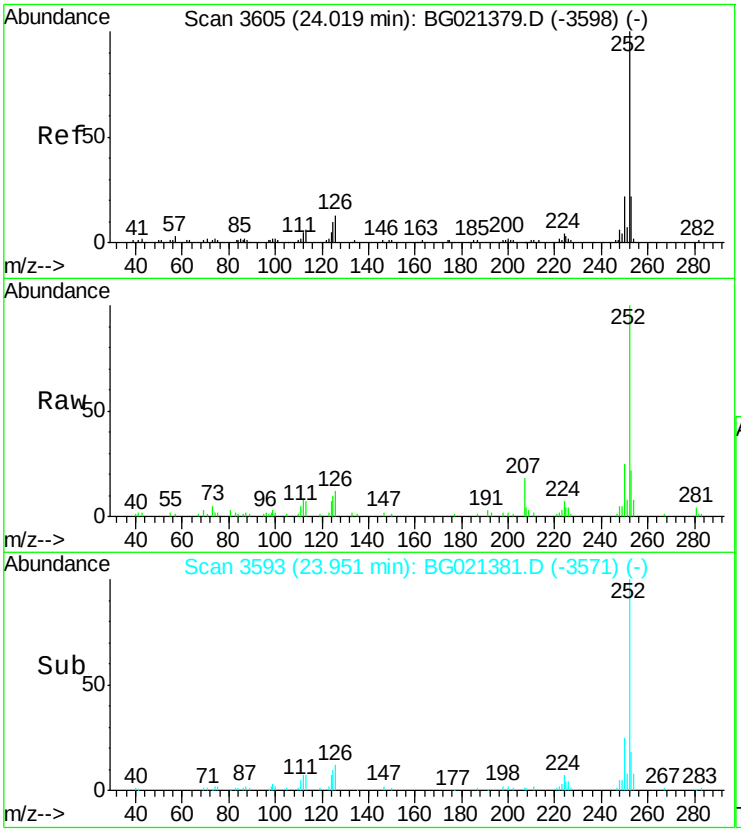




#88
Benzo(b)fluoranthene
Concen: 7.68 ng/ul
RT: 23.95 min Scan# 3593
Delta R.T. 0.00 min
Lab File: BG021381.D
Acq: 9 Mar 2016 00:27

Tgt Ion:252 Resp: 42948

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 18.0 | 27.0 |
| 125 | 10.0 | 8.0 | 12.0 |



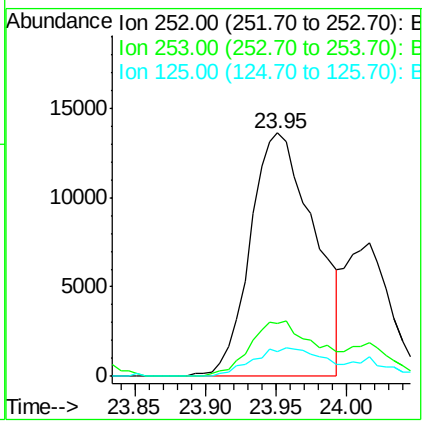


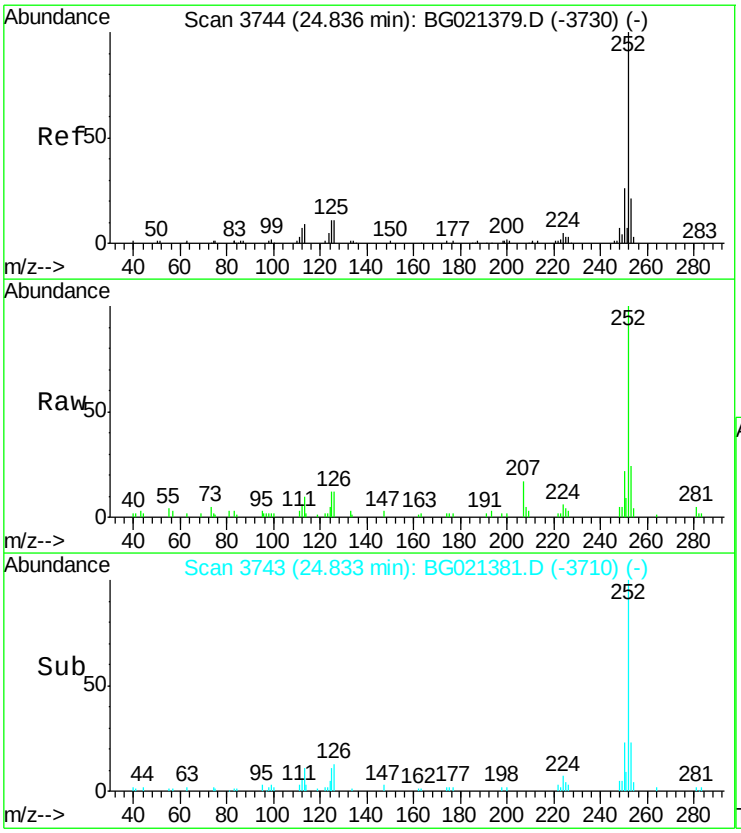

#89
Benzo(k)fluoranthene
Concen: 7.92 ng/ul
RT: 23.95 min Scan# 3593
Delta R.T. -0.07 min
Lab File: BG021381.D
Acq: 9 Mar 2016 00:27

**Instrument :**
BNA_G
**ClientSampleId :**
MS-SS-D350

Tgt Ion:252 Resp: 42948

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 18.0 | 27.0 |
| 125 | 10.0 | 8.1 | 12.1 |

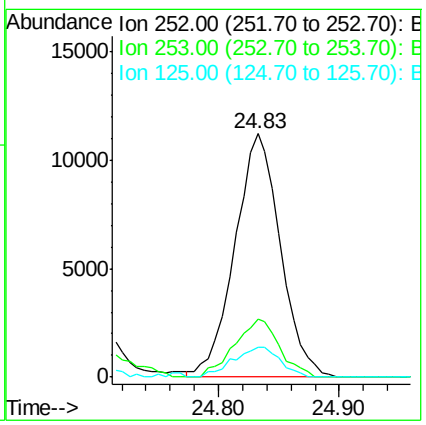


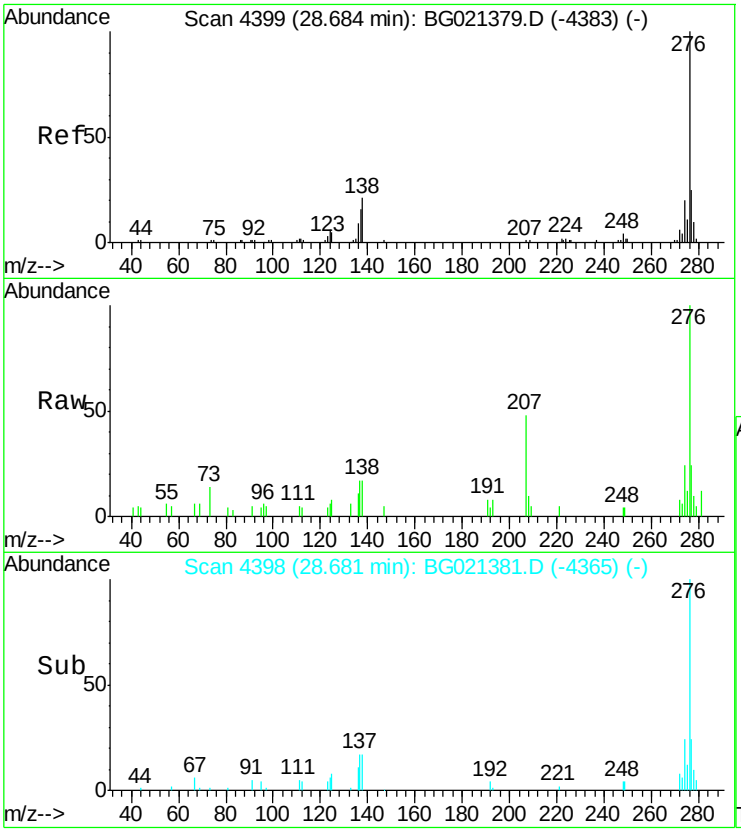




#91
Benzo(a)pyrene
Concen: 5.44 ng/ul
RT: 24.83 min Scan# 3743
Delta R.T. -0.00 min
Lab File: BG021381.D
Acq: 9 Mar 2016 00:27

Tgt Ion:252 Resp: 29411

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.9 | 17.2 | 25.8 |
| 125 | 12.5 | 8.2 | 12.4# |



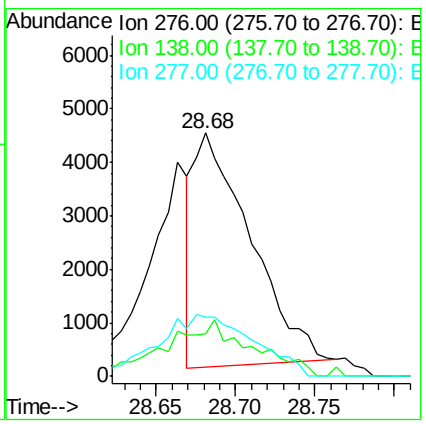


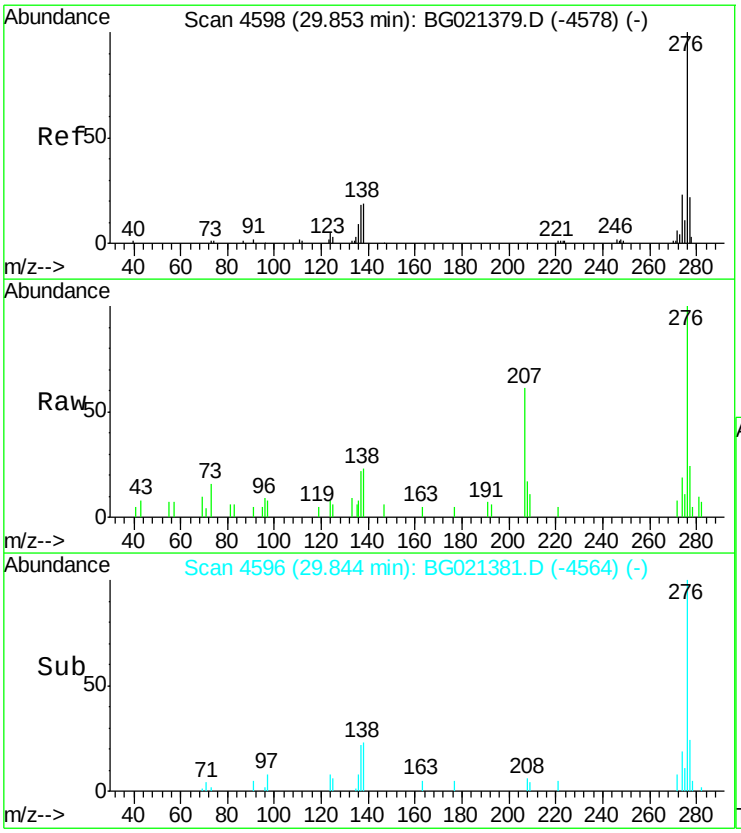

#92
Indeno(1,2,3-cd)pyrene
Concen: 1.82 ng/ul
RT: 28.68 min Scan# 4398
Delta R.T. -0.00 min
Lab File: BG021381.D
Acq: 9 Mar 2016 00:27

**Instrument :**
BNA_G
**ClientSampleId :**
MS-SS-D350

Tgt Ion:276 Resp: 10763

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 17.3 | 14.4 | 21.6 |
| 277 | 24.1 | 18.0 | 27.0 |




#94
Benzo(g,h,i)perylene
Concen: 3.56 ng/ul
RT: 29.84 min Scan# 4596
Delta R.T. -0.01 min
Lab File: BG021381.D
Acq: 9 Mar 2016 00:27

Tgt Ion:276 Resp: 15763

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 22.9 | 15.3 | 22.9 |
| 277 | 24.3 | 19.0 | 28.4 |