Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
Data File : BM010516.D
Acq On : 11 Jun 2017 09:34
Operator : SJ/MA
Sample : I3522-16
Misc :
ALS Vial : 41 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F5B17

Quant Time: Jun 12 09:08:23 2017
Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jun 12 09:00:46 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.89 | 152 | 234804 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.69 | 136 | 841785 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.53 | 164 | 582636 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.28 | 188 | 1476569 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.44 | 240 | 2226235 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 23.79 | 264 | 2195923 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.36 | 96 | 16403 | 2.87 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.07 | 99 | 315786 | 17.75 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.23 | 67 | 178429 | 17.84 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.43 | 132 | 284593 | 20.07 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.61 | 113 | 249805 | 17.40 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.08 | 128 | 135219 | 21.93 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.79 | 143 | 167615 | 23.47 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.32 | 165 | 352255 | 24.01 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.86 | 131 | 307955 | 21.75 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.95 | 166 | 1207739 | 24.95 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.23 | 160 | 1315601 | 23.30 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.77 | 143 | 119760 | 16.54 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.52 | 176 | 1026409 | 24.12 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.65 | 200 | 193487 | 18.50 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.37 | 188 | 1768755 | 24.62 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 19.67 | 212 | 2305366 | 25.04 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 23.63 | 264 | 2491866 | 24.37 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 6) Phenol | 7.10 | 94 | 28421 | 1.558 | ng/ul# | 79 |
| 15) N-Nitroso-di-n-propylamine | 8.61 | 70 | 11915 | 1.018 | ng/ul# | 1 |
| 44) Dimethylphthalate | 13.99 | 163 | 609459 | 12.802 | ng/ul | 97 |
| 47) Acenaphthylene | 14.26 | 152 | 164804 | 2.986 | ng/ul | 98 |
| 69) Phenanthrene | 17.32 | 178 | 161427 | 2.048 | ng/ul | 97 |
| 71) Anthracene | 17.41 | 178 | 318774 | 3.874 | ng/ul | 99 |
| 72) Carbazole | 17.70 | 167 | 89342 | 1.283 | ng/ul# | 97 |
| 74) Fluoranthene | 19.33 | 202 | 2322983 | 23.964 | ng/ul# | 95 |
| 77) Pyrene | 19.70 | 202 | 3101665 | 27.037 | ng/ul# | 93 |
| 80) Benzo(a)anthracene | 21.43 | 228 | 2842984 | 22.646 | ng/ul | 98 |
| 81) Bis(2-ethylhexyl)phthalate | 21.31 | 149 | 180130 | 3.053 | ng/ul | 98 |
| 82) Chrysene | 21.48 | 228 | 1730998 | 15.253 | ng/ul | 94 |
| 85) Benzo(b)fluoranthene | 23.07 | 252 | 6584005 | 51.527 | ng/ul | 100 |
| 86) Benzo(k)fluoranthene | 23.07 | 252 | 6584005 | 53.938 | ng/ul | 98 |
| 88) Benzo(a)pyrene | 23.58 | 252 | 2592212 | 20.467 | ng/ul | 99 |
| 89) Indeno(1,2,3-cd)pyrene | 26.17 | 276 | 1762912 | 11.017 | ng/ul | 98 |
| 90) Dibenzo(a,h)anthracene | 26.16 | 278 | 515988 | 3.744 | ng/ul# | 92 |
| 91) Benzo(g,h,i)perylene | 26.90 | 276 | 1186501 | 9.000 | ng/ul | 97 |

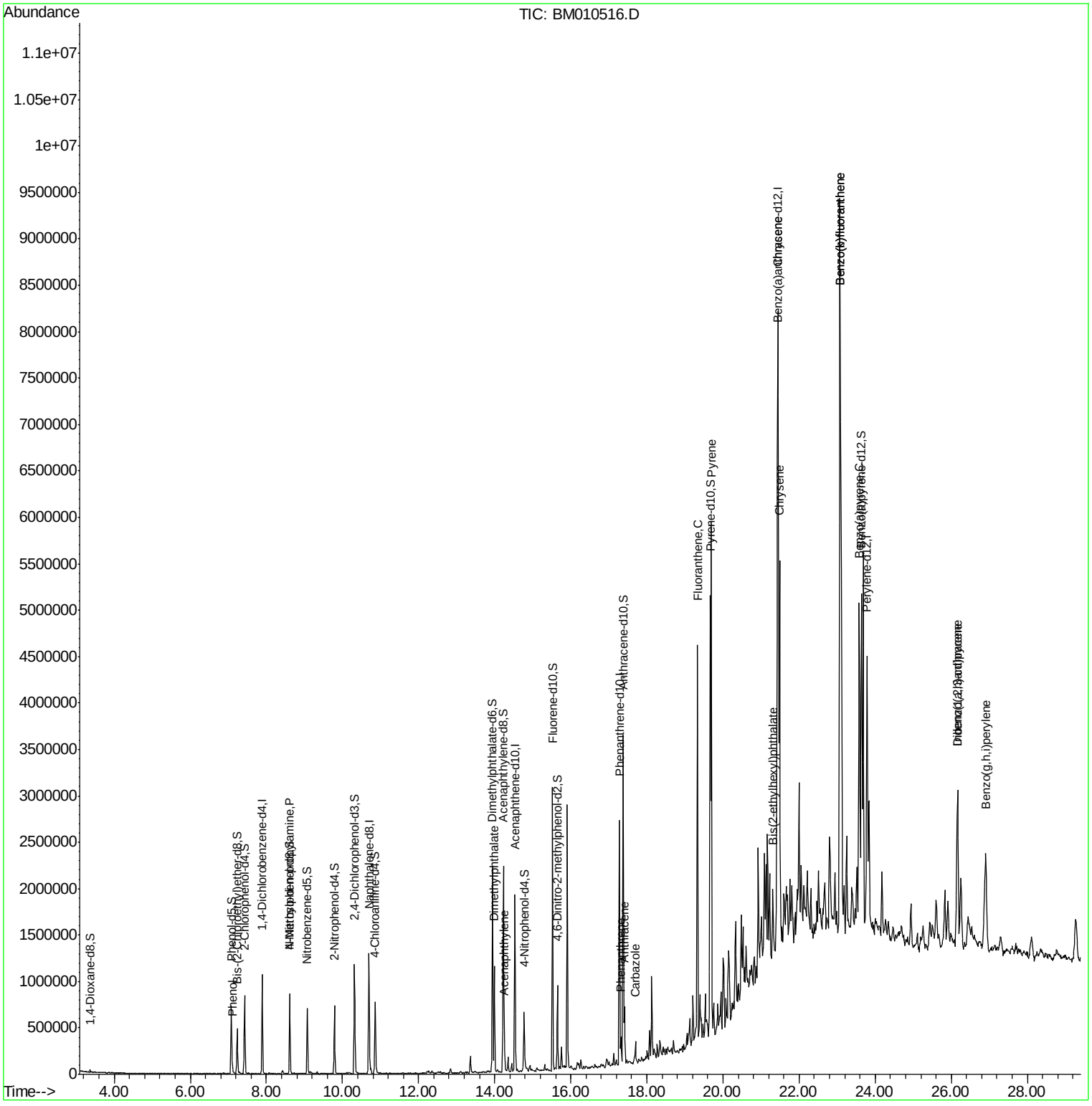
(#) = qualifier out of range (m) = manual integration (+) = signals summed

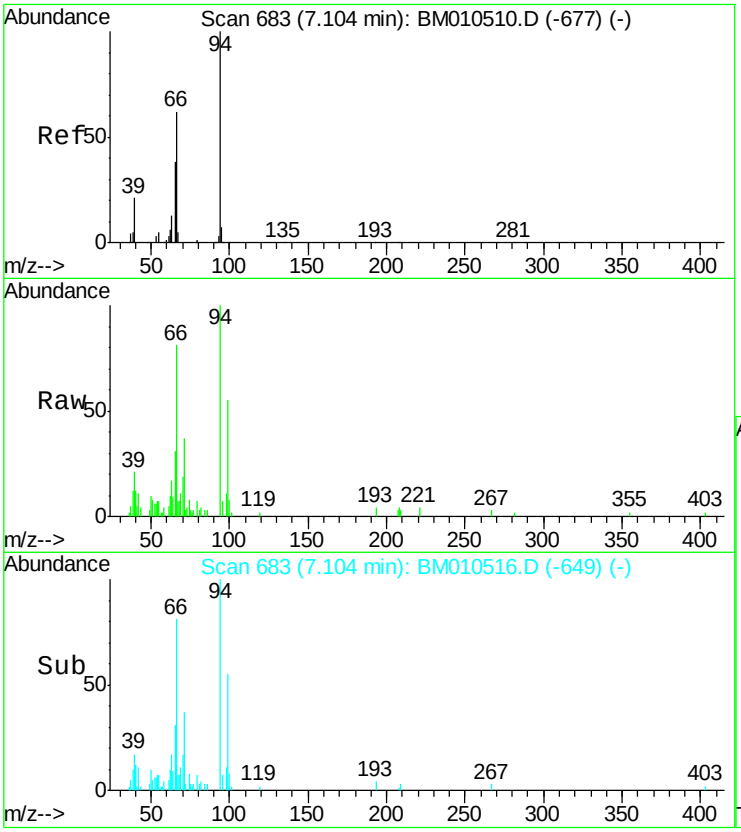
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
Data File : BM010516.D
Acq On : 11 Jun 2017 09:34
Operator : SJ/MA
Sample : I3522-16
Misc :
ALS Vial : 41 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
F5B17

Quant Time: Jun 12 09:08:23 2017
Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jun 12 09:00:46 2017
Response via : Initial Calibration



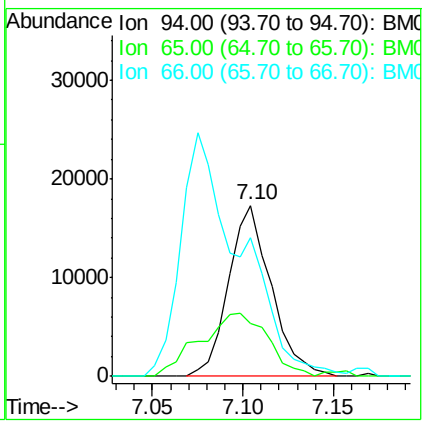


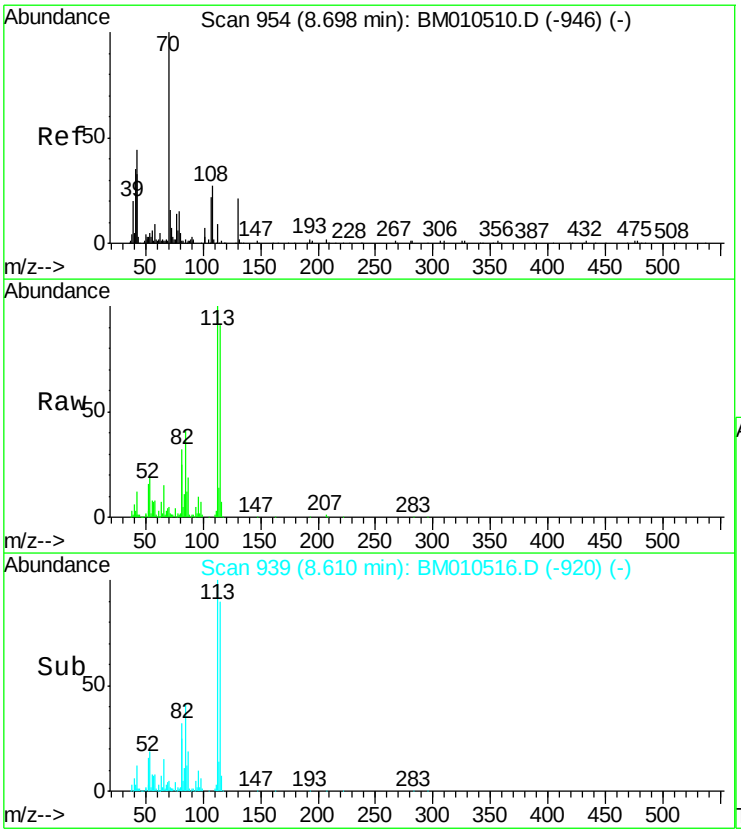

#6
Phenol
Concen: 1.558 ng/ul
RT: 7.10 min Scan# 683
Delta R.T. 0.00 min
Lab File: BM010516.D
Acq: 11 Jun 2017 09:34

**Instrument :**
BNA_M
**ClientSampleId :**
F5B17

Tgt Ion: 94 Resp: 28421

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 30.8 | 28.2 | 42.4 |
| 66 | 80.8 | 47.2 | 70.8# |

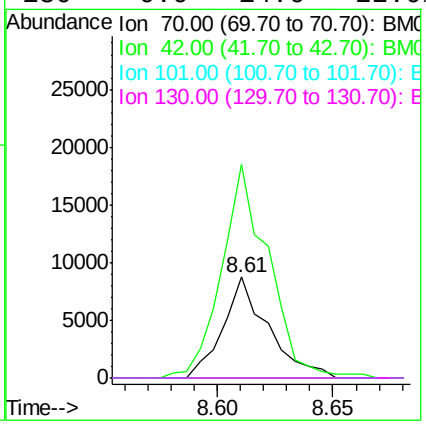


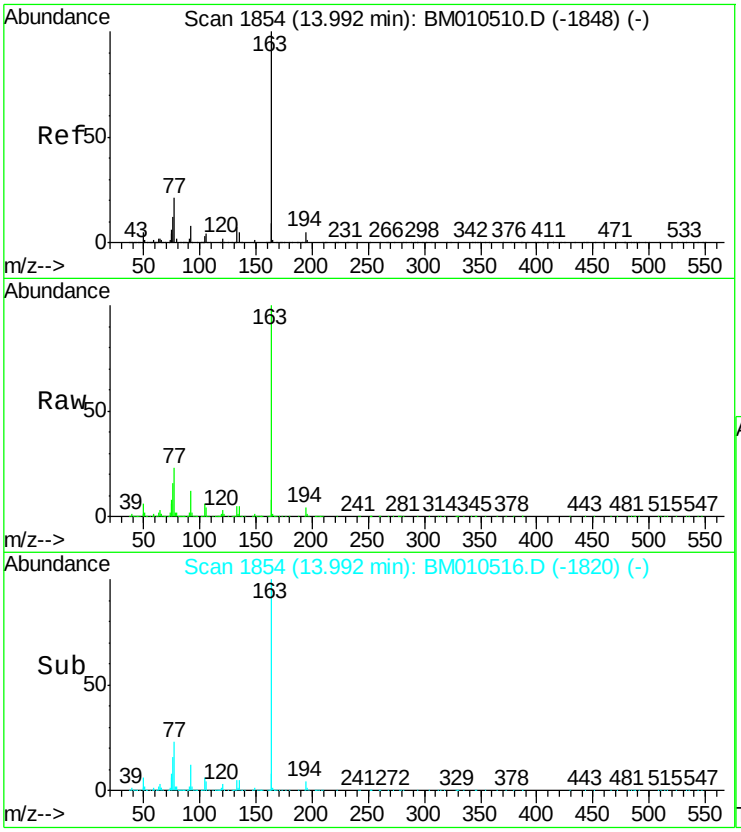




#15
N-Nitroso-di-n-propylamine
Concen: 1.018 ng/ul
RT: 8.61 min Scan# 939
Delta R.T. -0.09 min
Lab File: BM010516.D
Acq: 11 Jun 2017 09:34

Tgt Ion: 70 Resp: 11915

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 212.4 | 41.1 | 61.7# |
| 101 | 0.0 | 6.7 | 10.1# |
| 130 | 0.0 | 14.6 | 22.0# |



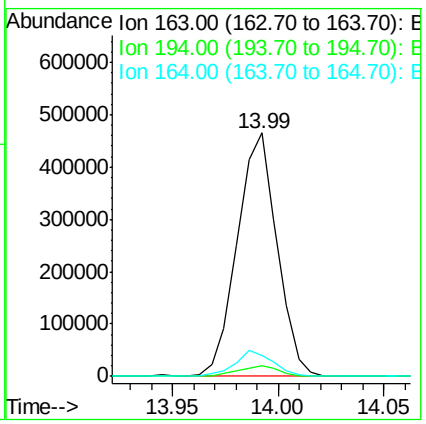


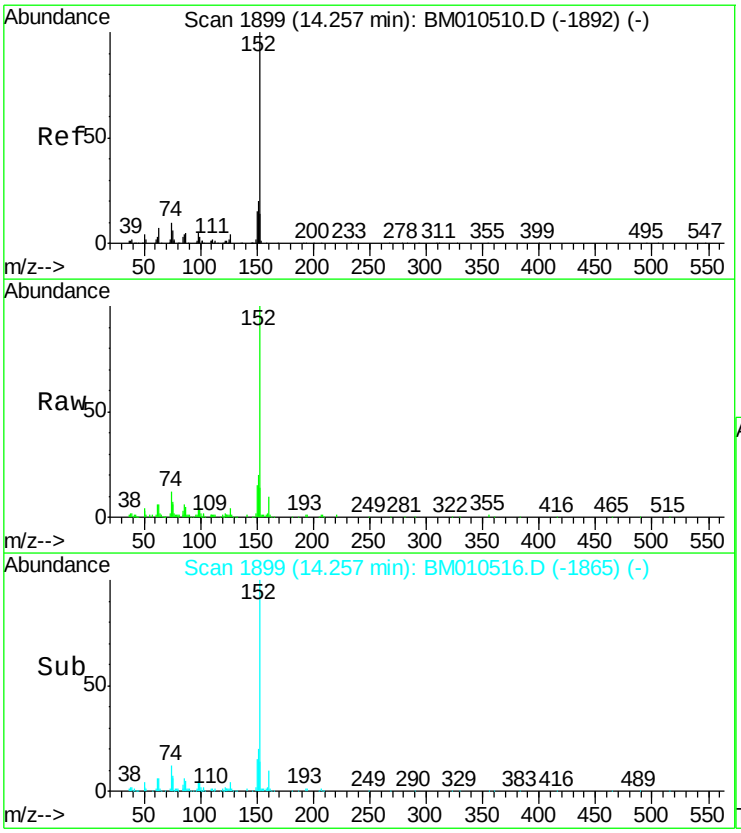

#44
Dimethylphthalate
Concen: 12.802 ng/ul
RT: 13.99 min Scan# 1854
Delta R.T. 0.00 min
Lab File: BM010516.D
Acq: 11 Jun 2017 09:34

**Instrument :**
BNA_M
**ClientSampleId :**
F5B17

Tgt Ion:163 Resp: 609459

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.3 | 3.5 | 5.3 |
| 164 | 8.5 | 8.2 | 12.4 |

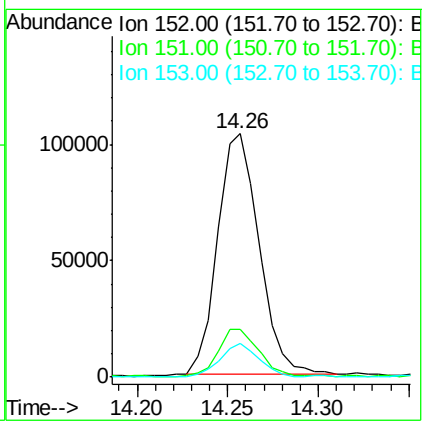


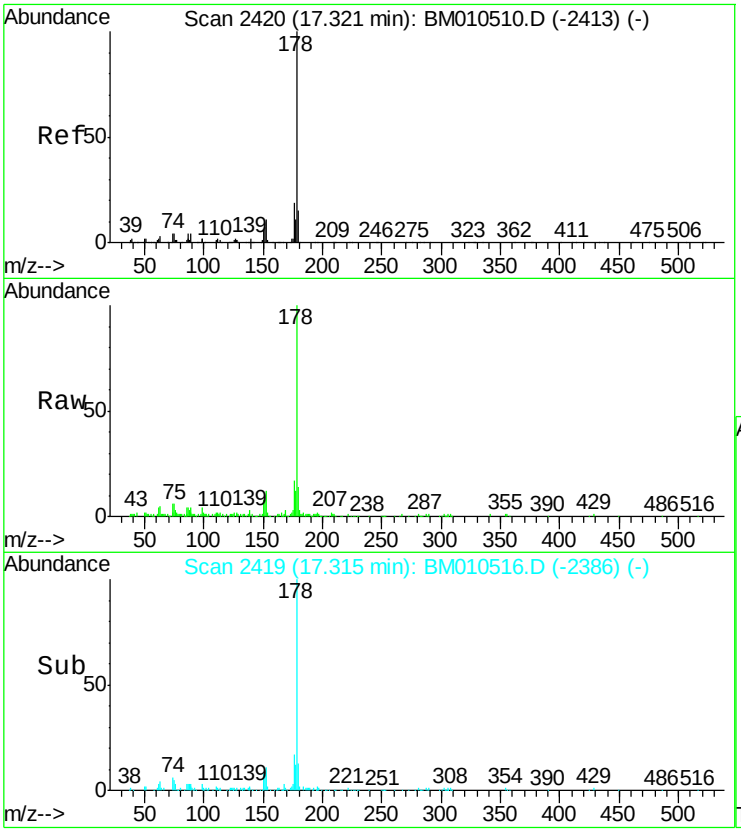




#47
Acenaphthylene
Concen: 2.986 ng/ul
RT: 14.26 min Scan# 1899
Delta R.T. 0.00 min
Lab File: BM010516.D
Acq: 11 Jun 2017 09:34

Tgt Ion:152 Resp: 164804

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.5 | 16.3 | 24.5 |
| 153 | 13.7 | 10.2 | 15.4 |



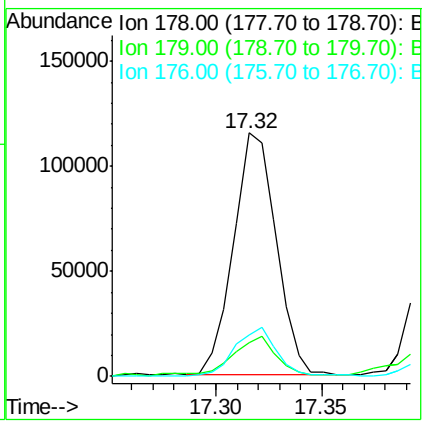


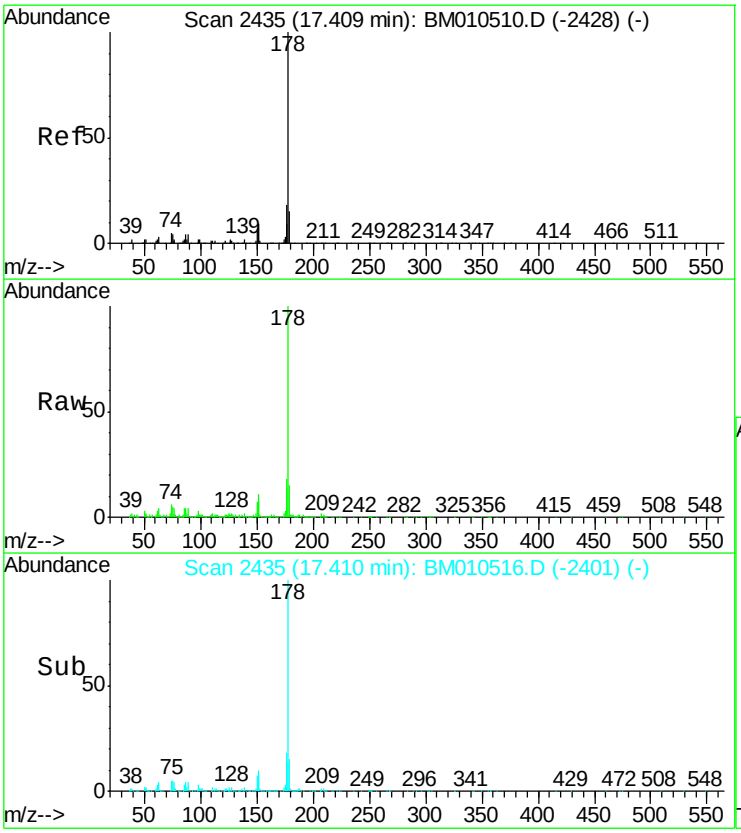

#69
Phenanthrene
Concen: 2.048 ng/ul
RT: 17.32 min Scan# 2419
Delta R.T. -0.01 min
Lab File: BM010516.D
Acq: 11 Jun 2017 09:34

**Instrument :**
BNA_M
**ClientSampleId :**
F5B17

Tgt Ion:178 Resp: 161427

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 14.1 | 12.6 | 19.0 |
| 176 | 17.3 | 14.9 | 22.3 |

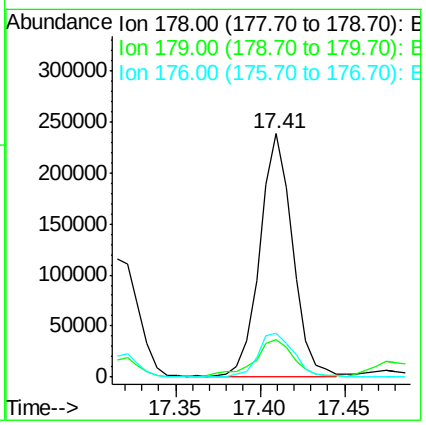


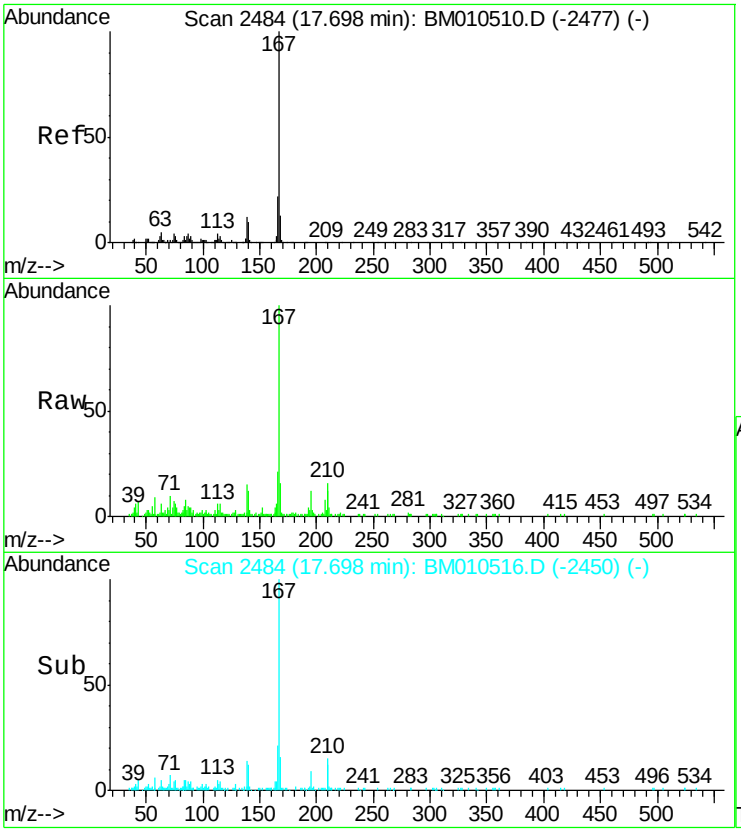




#71
Anthracene
Concen: 3.874 ng/ul
RT: 17.41 min Scan# 2435
Delta R.T. 0.00 min
Lab File: BM010516.D
Acq: 11 Jun 2017 09:34

Tgt Ion:178 Resp: 318774

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.4 | 11.7 | 17.5 |
| 176 | 17.8 | 14.6 | 21.8 |



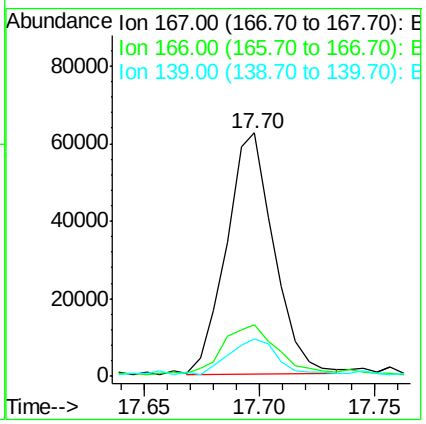


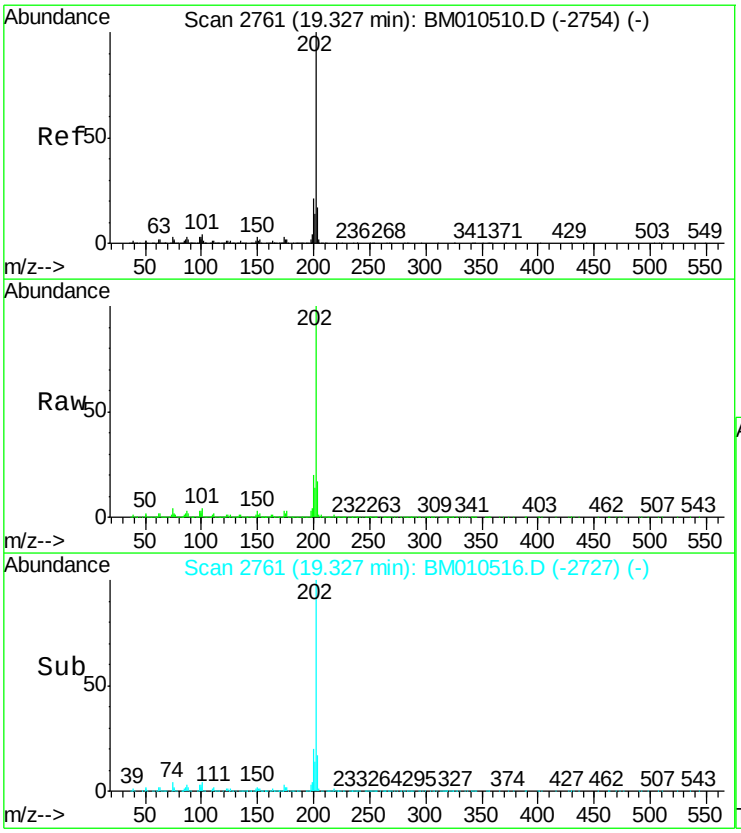

#72
Carbazole
Concen: 1.283 ng/ul
RT: 17.70 min Scan# 2484
Delta R.T. 0.00 min
Lab File: BM010516.D
Acq: 11 Jun 2017 09:34

**Instrument :**
BNA_M
**ClientSampleId :**
F5B17

Tgt Ion:167 Resp: 89342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.4 | 17.1 | 25.7 |
| 139 | 15.3 | 10.0 | 15.0# |

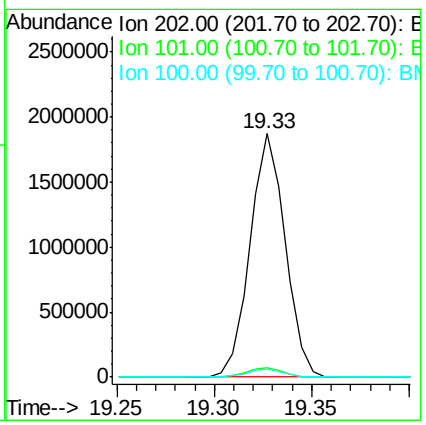


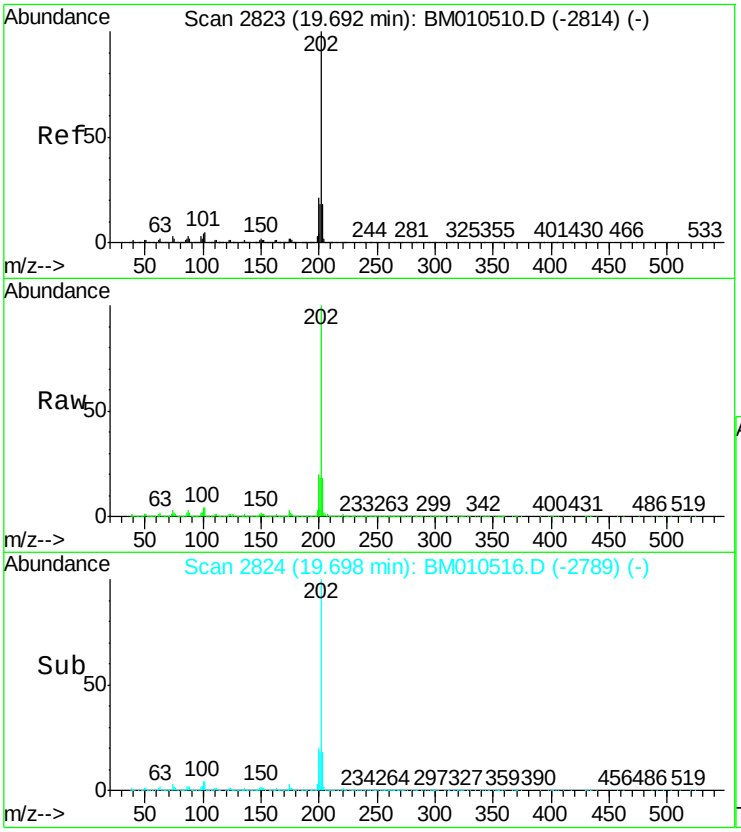




#74
Fluoranthene
Concen: 23.964 ng/ul
RT: 19.33 min Scan# 2761
Delta R.T. 0.00 min
Lab File: BM010516.D
Acq: 11 Jun 2017 09:34

Tgt Ion:202 Resp: 2322983

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 3.9 | 4.6 | 7.0# |
| 100 | 3.2 | 3.4 | 5.2# |



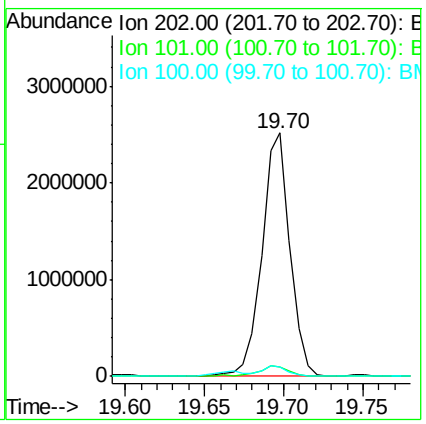


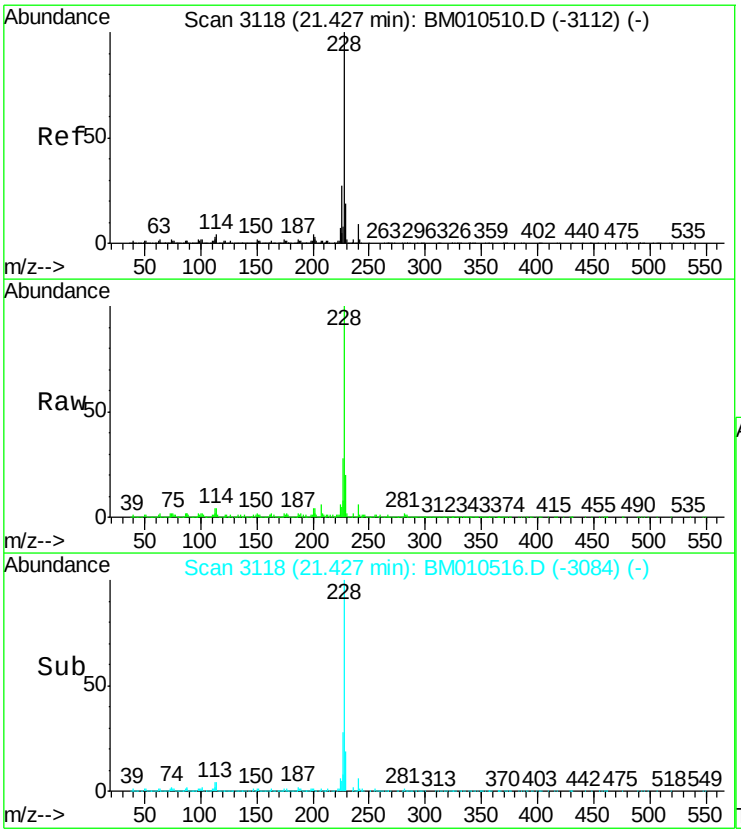

#77
Pyrene
Concen: 27.037 ng/ul
RT: 19.70 min Scan# 2824
Delta R.T. 0.01 min
Lab File: BM010516.D
Acq: 11 Jun 2017 09:34

**Instrument :**
BNA_M
**ClientSampleId :**
F5B17

Tgt Ion:202 Resp: 3101665

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 4.0 | 5.1 | 7.7# |
| 100 | 4.0 | 4.9 | 7.3# |

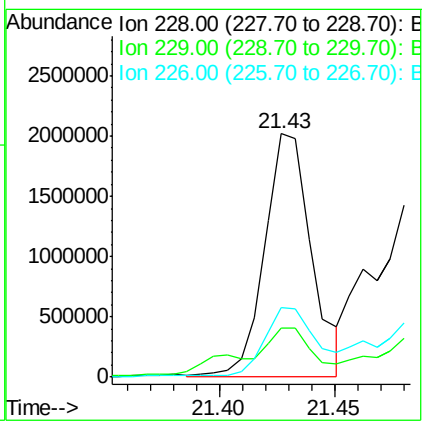


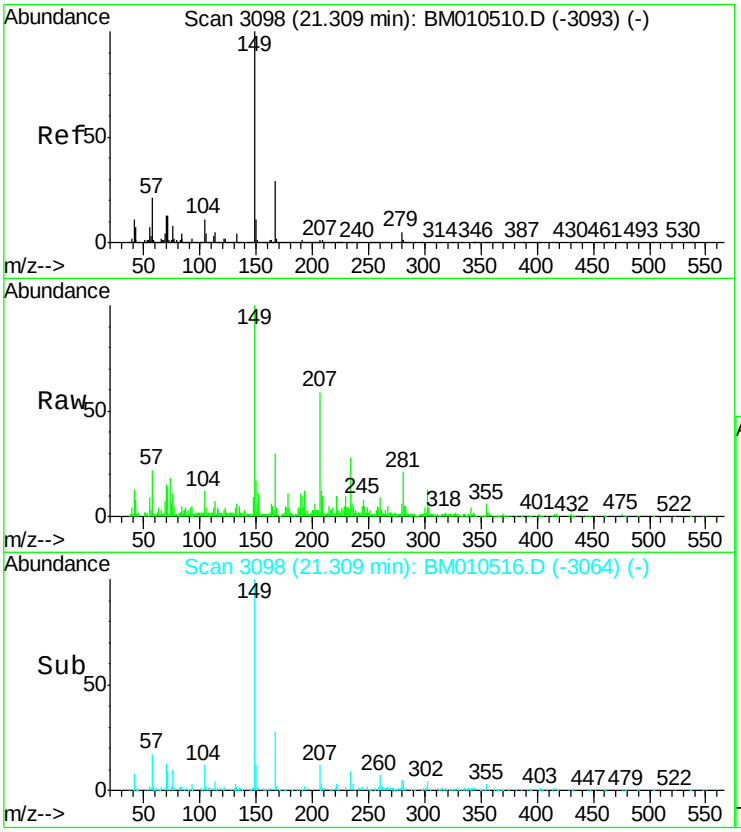




#80
Benzo(a)anthracene
Concen: 22.646 ng/ul
RT: 21.43 min Scan# 3118
Delta R.T. 0.00 min
Lab File: BM010516.D
Acq: 11 Jun 2017 09:34

Tgt Ion:228 Resp: 2842984

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 19.9 | 15.4 | 23.0 |
| 226 | 28.3 | 21.4 | 32.0 |



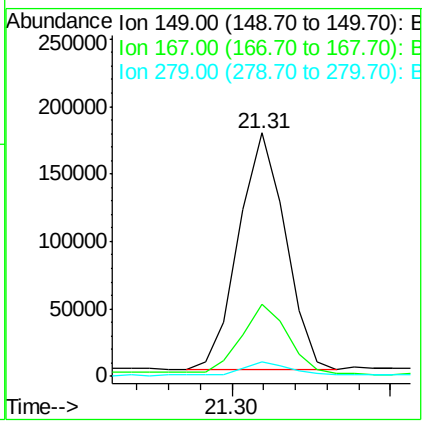


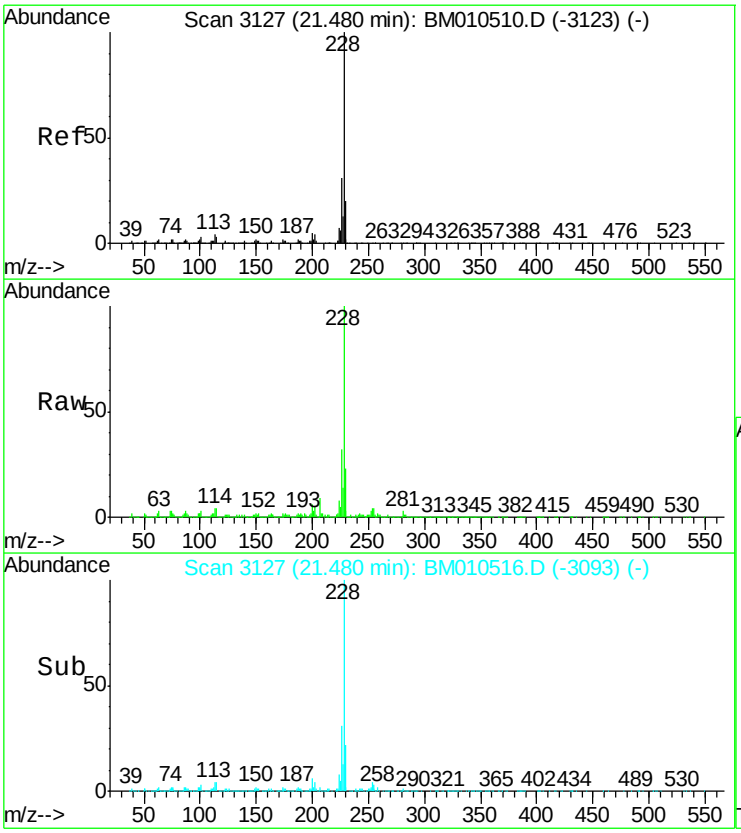

#81
Bis(2-ethylhexyl)phthalate
Concen: 3.053 ng/ul
RT: 21.31 min Scan# 3098
Delta R.T. 0.00 min
Lab File: BM010516.D
Acq: 11 Jun 2017 09:34

**Instrument :**
BNA_M
**ClientSampleId :**
F5B17

Tgt Ion:149 Resp: 180130

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 29.6 | 22.8 | 34.2 |
| 279 | 6.2 | 4.9 | 7.3 |

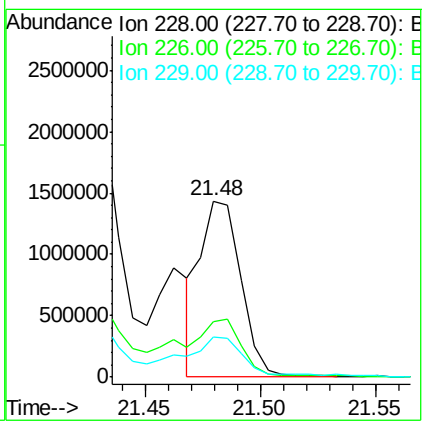


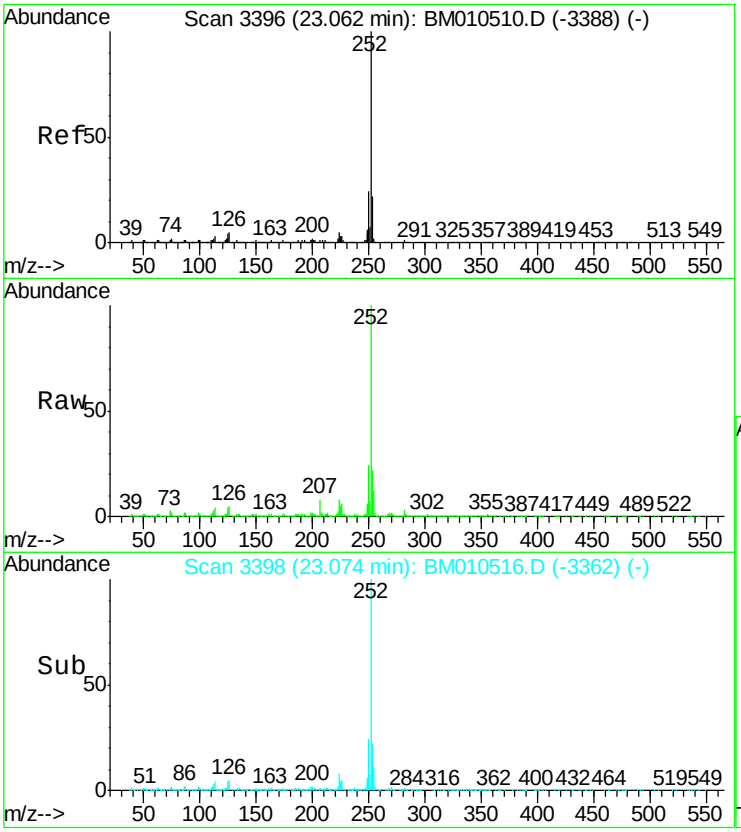




#82
Chrysene
Concen: 15.253 ng/ul
RT: 21.48 min Scan# 3127
Delta R.T. 0.00 min
Lab File: BM010516.D
Acq: 11 Jun 2017 09:34

Tgt Ion:228 Resp: 1730998

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.7 | 23.4 | 35.2 |
| 229 | 22.7 | 15.5 | 23.3 |



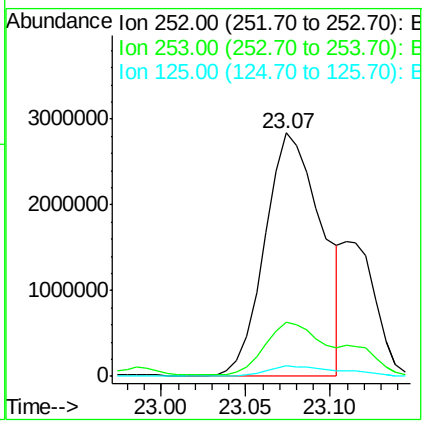


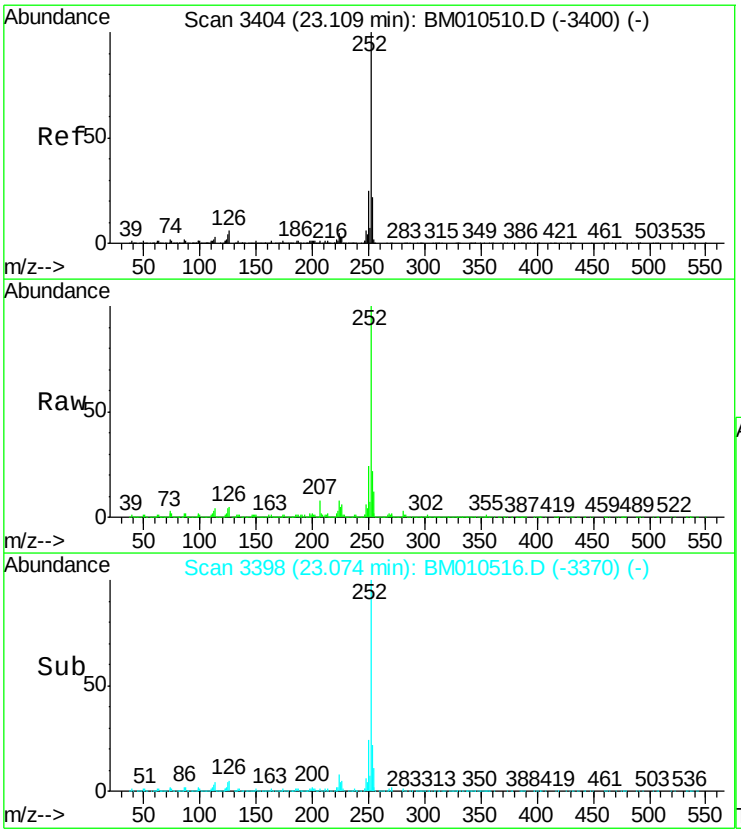

#85
Benzo(b)fluoranthene
Concen: 51.527 ng/ul
RT: 23.07 min Scan# 3398
Delta R.T. 0.01 min
Lab File: BM010516.D
Acq: 11 Jun 2017 09:34

**Instrument :**
BNA_M
**ClientSampleId :**
F5B17

Tgt Ion:252 Resp: 6584005

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.4 | 17.9 | 26.9 |
| 125 | 4.4 | 3.6 | 5.4 |

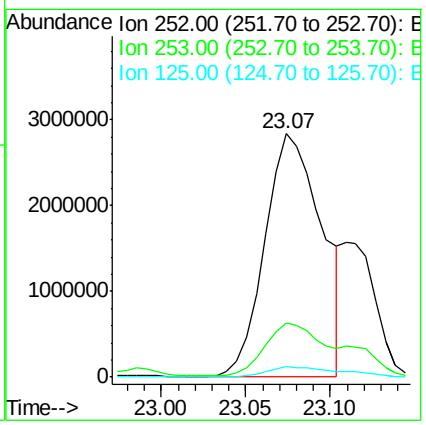


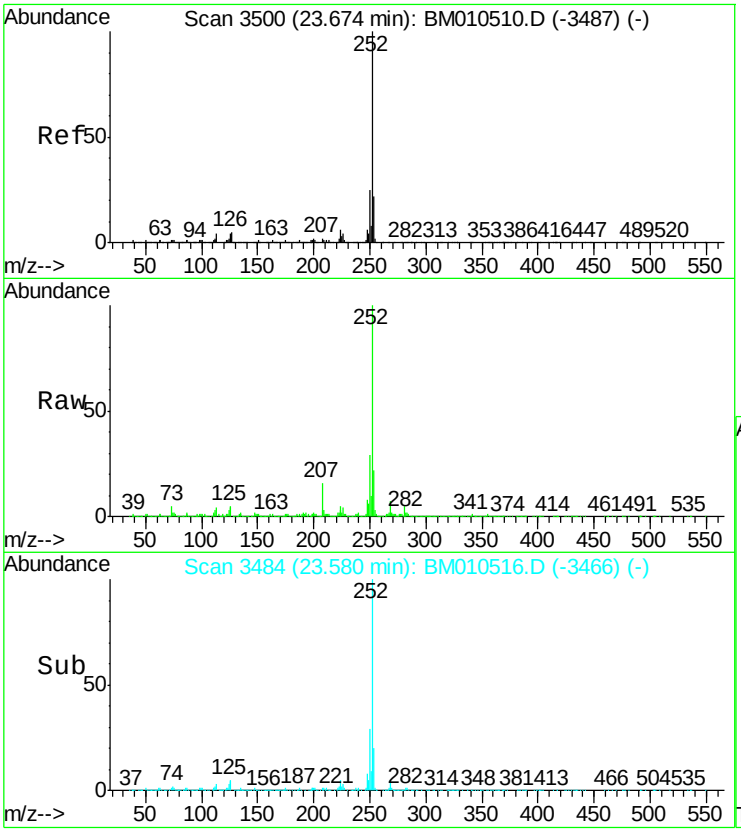




#86
Benzo(k)fluoranthene
Concen: 53.938 ng/ul
RT: 23.07 min Scan# 3398
Delta R.T. -0.04 min
Lab File: BM010516.D
Acq: 11 Jun 2017 09:34

Tgt Ion:252 Resp: 6584005

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.4 | 17.1 | 25.7 |
| 125 | 4.4 | 3.4 | 5.2 |



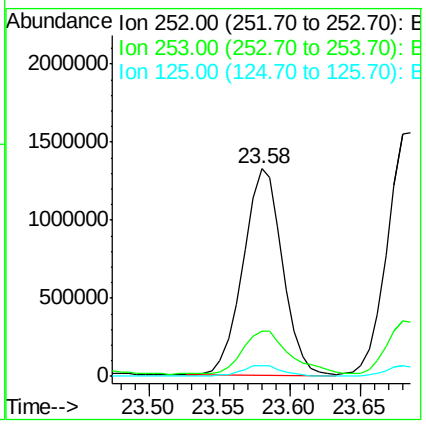


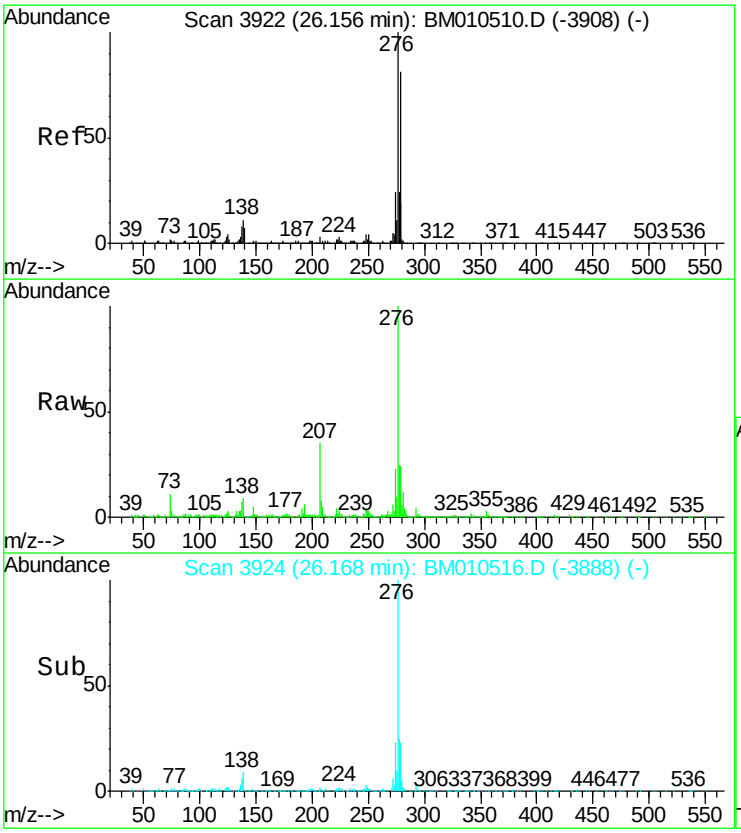

#88
Benzo(a)pyrene
Concen: 20.467 ng/ul
RT: 23.58 min Scan# 3484
Delta R.T. -0.09 min
Lab File: BM010516.D
Acq: 11 Jun 2017 09:34

**Instrument :**
BNA_M
**ClientSampleId :**
F5B17

Tgt Ion:252 Resp: 2592212

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 18.2 | 27.2 |
| 125 | 5.4 | 4.0 | 6.0 |

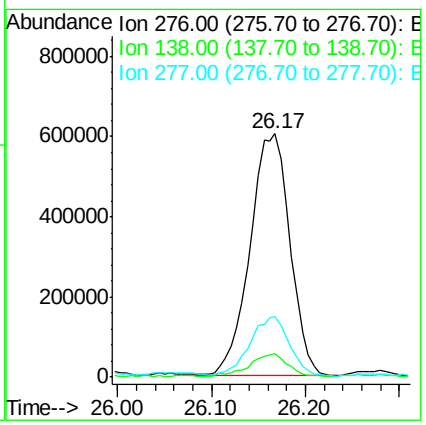


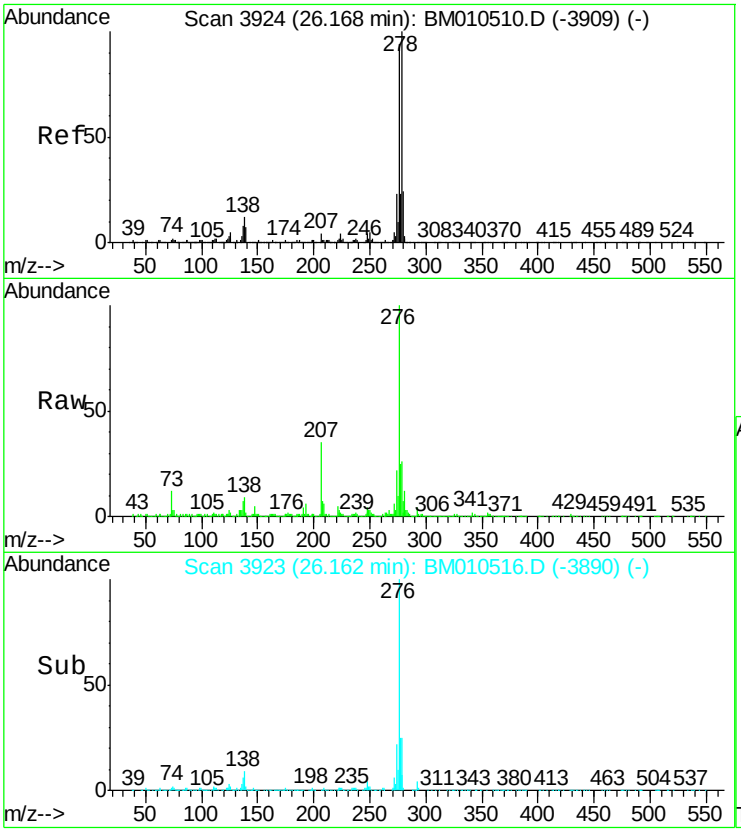




#89
Indeno(1,2,3-cd)pyrene
Concen: 11.017 ng/ul
RT: 26.17 min Scan# 3924
Delta R.T. 0.01 min
Lab File: BM010516.D
Acq: 11 Jun 2017 09:34

Tgt Ion:276 Resp: 1762912

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 9.5 | 9.3 | 13.9 |
| 277 | 25.1 | 19.9 | 29.9 |



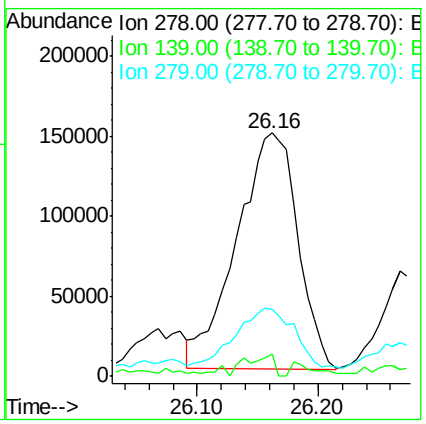


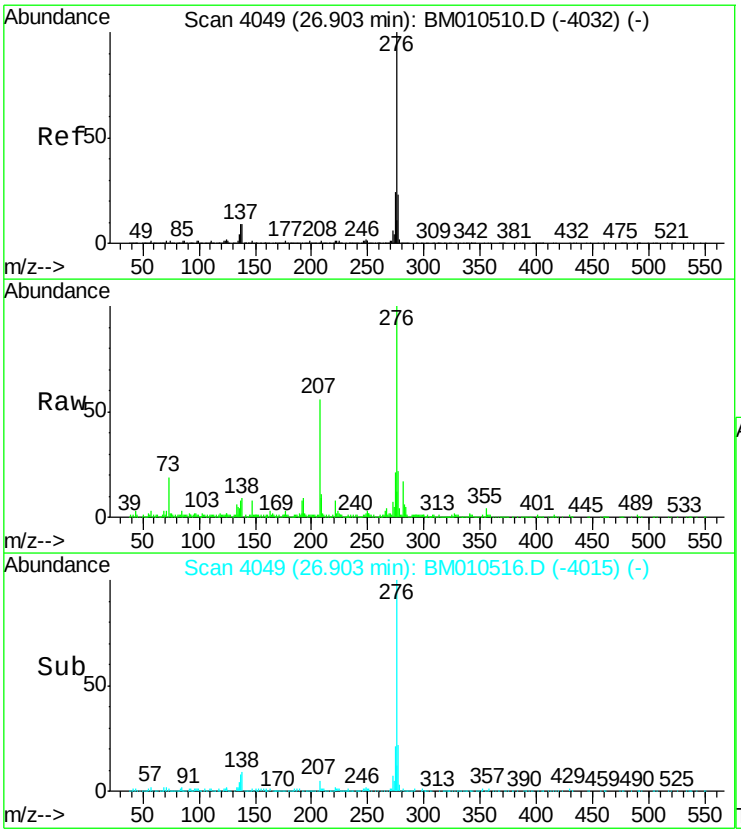

#90
Dibenzo(a,h)anthracene
Concen: 3.744 ng/ul
RT: 26.16 min Scan# 3923
Delta R.T. -0.01 min
Lab File: BM010516.D
Acq: 11 Jun 2017 09:34

**Instrument :**
BNA_M
**ClientSampleId :**
F5B17

Tgt Ion:278 Resp: 515988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 9.4 | 5.8 | 8.8# |
| 279 | 27.5 | 18.6 | 27.8 |




#91
Benzo(g,h,i)perylene
Concen: 9.000 ng/ul
RT: 26.90 min Scan# 4049
Delta R.T. 0.00 min
Lab File: BM010516.D
Acq: 11 Jun 2017 09:34

Tgt Ion:276 Resp: 1186501

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 8.7 | 8.5 | 12.7 |
| 277 | 22.1 | 18.6 | 28.0 |