Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062616\
Data File : BM006054.D
Acq On : 26 Jun 2016 23:59
Operator : UM/SJ
Sample : H3670-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** D9YA0

Quant Time: Jun 27 05:19:07 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062516.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jun 27 05:15:31 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.66 | 152 | 299796 | 20.00 | ng/ul | 0.00 |
| 7) Naphthalene-d8 | 10.44 | 136 | 1474867 | 20.00 | ng/ul | 0.00 |
| 15) Acenaphthene-d10 | 14.31 | 164 | 878527 | 20.00 | ng/ul | 0.00 |
| 23) Phenanthrene-d10 | 17.06 | 188 | 2010391 | 20.00 | ng/ul | 0.00 |
| 29) Chrysene-d12 | 21.25 | 240 | 1851283 | 20.00 | ng/ul | 0.00 |
| 34) Perylene-d12 | 23.47 | 264 | 1674594 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 2) 1,4-Dioxane-d8 | 3.18 | 96 | 8873 | 1.32 | ng/uL | 0.00 |
| 3) Phenol-d5 | 6.83 | 99 | 405092 | 12.84 | ng/ul | 0.00 |
| 4) Bis-(2-Chloroethyl)ether-d | 7.00 | 67 | 271585 | 15.48 | ng/ul | 0.00 |
| 5) 2-Chlorophenol-d4 | 7.19 | 132 | 316993 | 14.43 | ng/ul | 0.00 |
| 6) 4-Methylphenol-d8 | 8.36 | 113 | 245923 | 9.24 | ng/ul | 0.00 |
| 8) Nitrobenzene-d5 | 8.81 | 128 | 180438 | 16.07 | ng/ul | 0.00 |
| 9) 2-Nitrophenol-d4 | 9.53 | 143 | 198571 | 15.89 | ng/ul | 0.00 |
| 10) 2,4-Dichlorophenol-d3 | 10.06 | 165 | 357958 | 14.94 | ng/ul | 0.00 |
| 12) 4-Chloroaniline-d4 | 10.58 | 131 | 359194 | 13.81 | ng/ul | 0.00 |
| 16) Dimethylphthalate-d6 | 13.72 | 166 | 1171211 | 15.57 | ng/ul | 0.00 |
| 17) Acenaphthylene-d8 | 14.00 | 160 | 1502328 | 17.22 | ng/ul | 0.00 |
| 20) 4-Nitrophenol-d4 | 14.51 | 143 | 162171 | 10.11 | ng/ul | 0.00 |
| 21) Fluorene-d10 | 15.30 | 176 | 1037576 | 16.16 | ng/ul | 0.00 |
| 24) 4,6-Dinitro-2-methylphenol | 15.43 | 200 | 86337 | 7.74 | ng/ul | 0.00 |
| 26) Anthracene-d10 | 17.16 | 188 | 1609562 | 17.43 | ng/ul | 0.00 |
| 30) Pyrene-d10 | 19.46 | 212 | 1723753 | 21.26 | ng/ul | 0.01 |
| 37) Benzo(a)pyrene-d12 | 23.33 | 264 | 1315125 | 17.39 | ng/ul | 0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 11) Naphthalene | 10.49 | 128 | 121429 | 1.65 | ng/ul | 99 |
| 18) Acenaphthylene | 14.03 | 152 | 362040 | 3.94 | ng/ul | 99 |
| 25) Phenanthrene | 17.10 | 178 | 1731795 | 16.02 | ng/ul | 100 |
| 27) Anthracene | 17.19 | 178 | 383715 | 3.44 | ng/ul | 99 |
| 28) Fluoranthene | 19.12 | 202 | 3890050 | 28.09 | ng/ul | 99 |
| 31) Pyrene | 19.49 | 202 | 3401437 | 32.09 | ng/ul | 99 |
| 32) Benzo(a)anthracene | 21.23 | 228 | 1724610 | 15.68 | ng/ul | 97 |
| 33) Chrysene | 21.29 | 228 | 1719140 | 17.11 | ng/ul | 98 |
| 35) Benzo(b)fluoranthene | 22.81 | 252 | 2469521 | 25.38 | ng/ul | 97 |
| 36) Benzo(k)fluoranthene | 22.81 | 252 | 2469521 | 27.29 | ng/ul | 98 |
| 38) Benzo(a)pyrene | 23.37 | 252 | 1502840 | 16.11 | ng/ul | 98 |
| 39) Indeno(1,2,3-cd)pyrene | 25.69 | 276 | 1244667 | 11.19 | ng/ul | 97 |
| 40) Dibenzo(a,h)anthracene | 25.95 | 278 | 207362 | 2.24 | ng/ul | 93 |
| 41) Benzo(g,h,i)perylene | 26.37 | 276 | 1252606 | 13.02 | ng/ul | 98 |

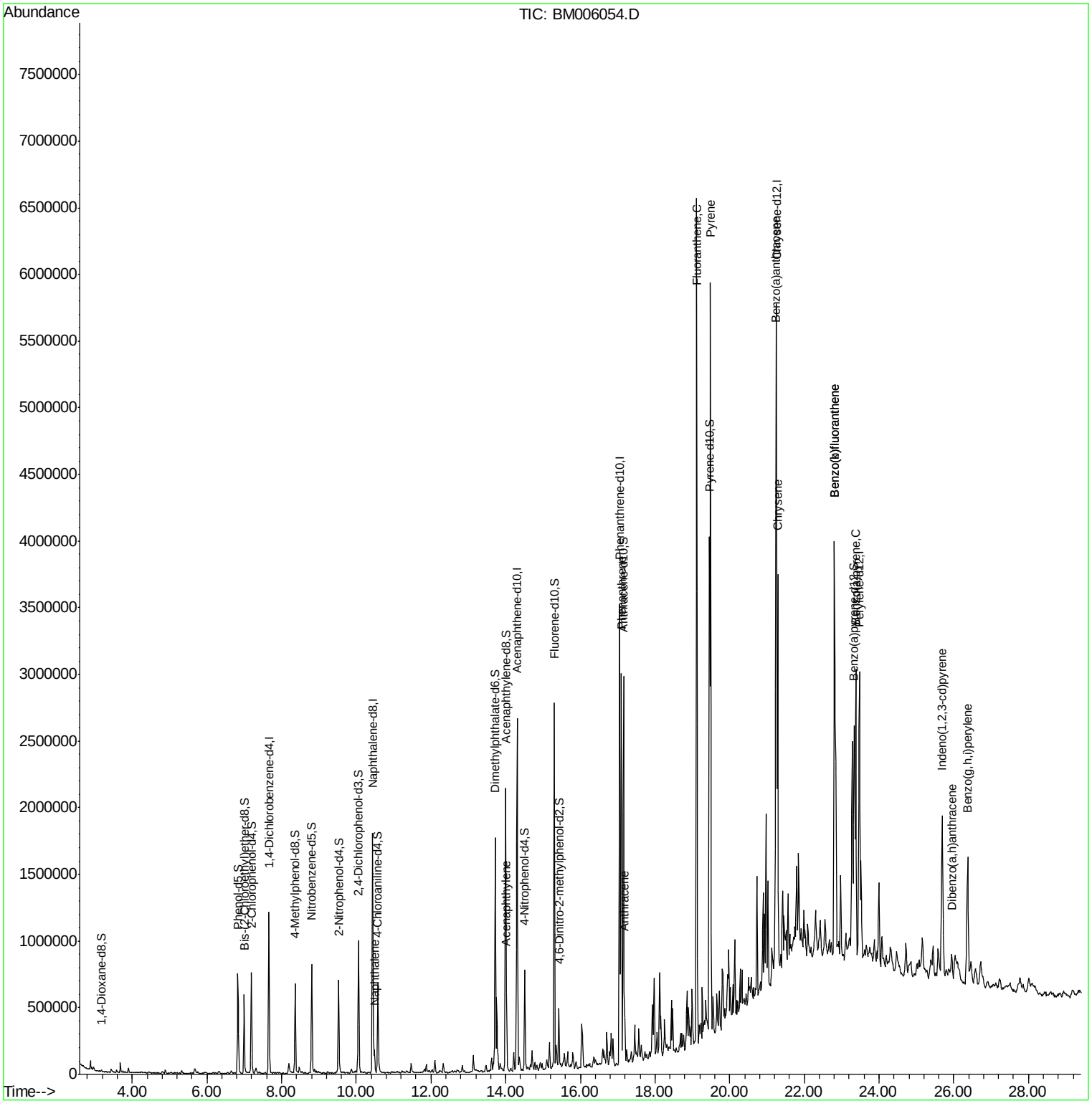
(#) = qualifier out of range (m) = manual integration (+) = signals summed

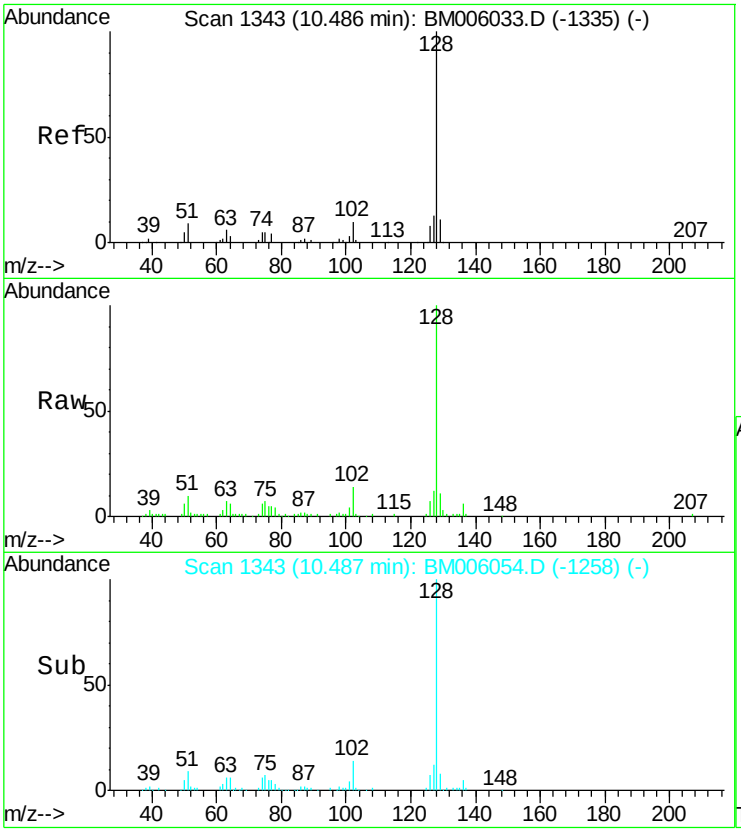
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062616\
Data File : BM006054.D
Acq On : 26 Jun 2016 23:59
Operator : UM/SJ
Sample : H3670-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
D9YA0

Quant Time: Jun 27 05:19:07 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062516.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jun 27 05:15:31 2016
Response via : Initial Calibration



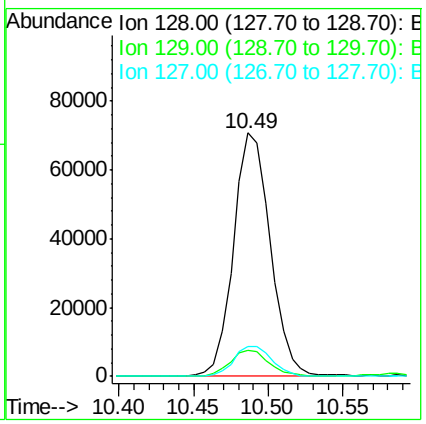


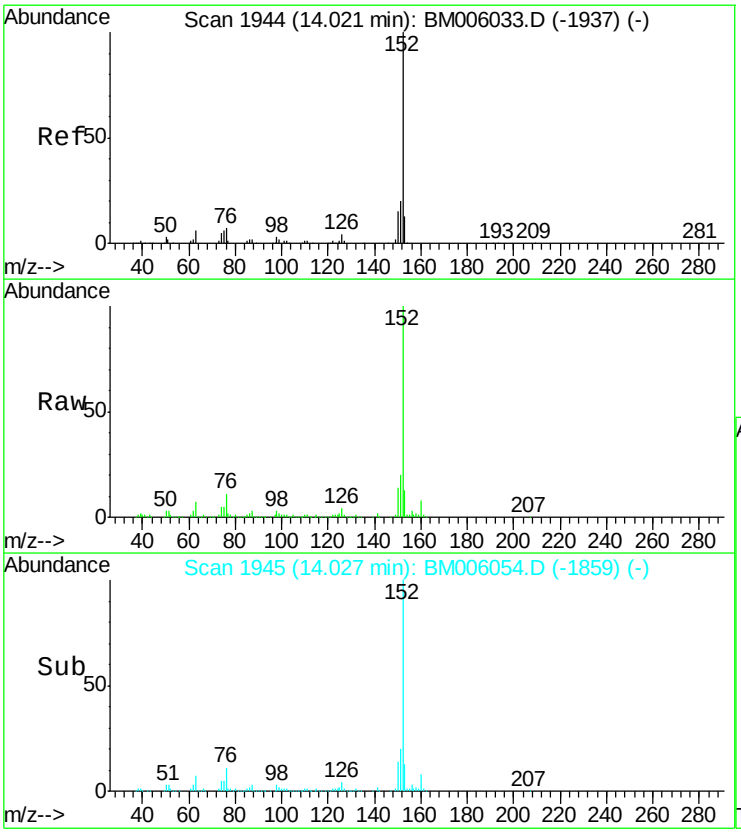

#11
Naphthalene
Concen: 1.65 ng/ul
RT: 10.49 min Scan# 1343
Delta R.T. 0.00 min
Lab File: BM006054.D
Acq: 26 Jun 2016 23:59

**Instrument :**
BNA_M
**ClientSampleId :**
D9YA0

Tgt Ion:128 Resp: 121429

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.6 | 8.6 | 13.0 |
| 127 | 12.4 | 10.2 | 15.4 |

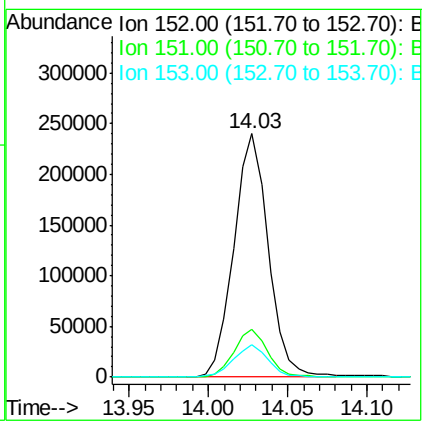


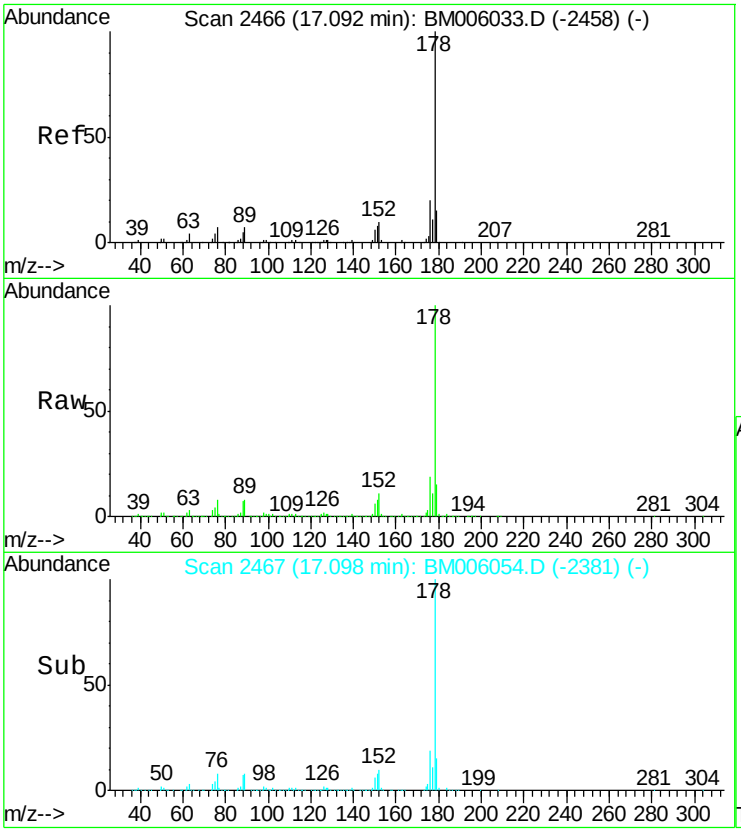




#18
Acenaphthylene
Concen: 3.94 ng/ul
RT: 14.03 min Scan# 1945
Delta R.T. 0.01 min
Lab File: BM006054.D
Acq: 26 Jun 2016 23:59

Tgt Ion:152 Resp: 362040

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.6 | 15.5 | 23.3 |
| 153 | 13.4 | 10.5 | 15.7 |



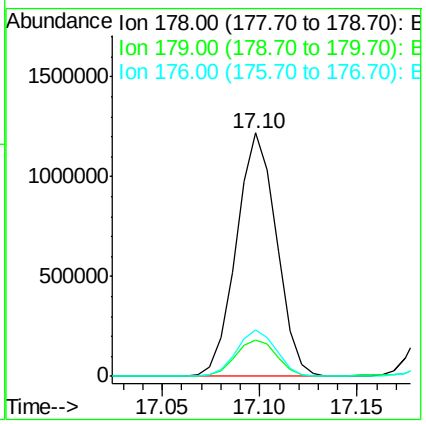


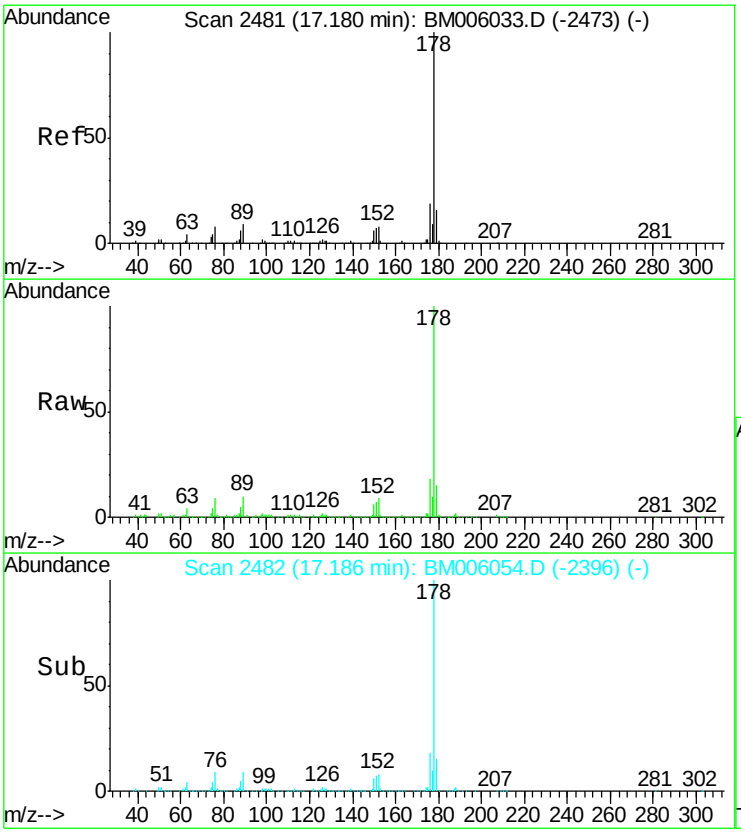

#25
Phenanthrene
Concen: 16.02 ng/ul
RT: 17.10 min Scan# 2467
Delta R.T. 0.01 min
Lab File: BM006054.D
Acq: 26 Jun 2016 23:59

**Instrument :**
BNA_M
**ClientSampleId :**
D9YA0

Tgt Ion:178 Resp: 1731795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.1 | 12.1 | 18.1 |
| 176 | 19.0 | 15.4 | 23.0 |

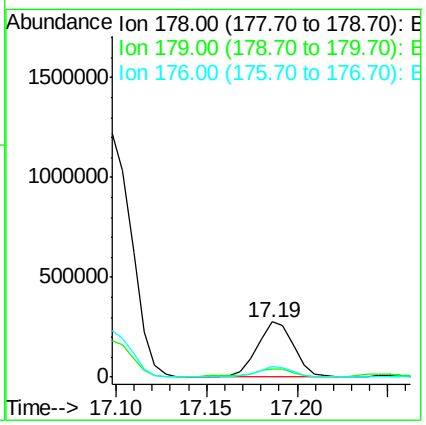


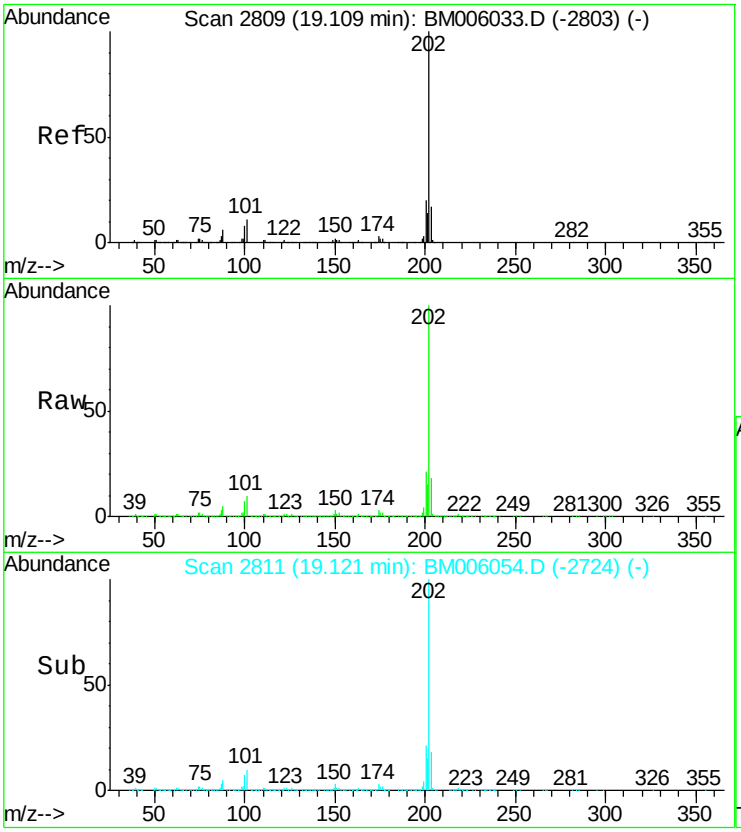




#27
Anthracene
Concen: 3.44 ng/ul
RT: 17.19 min Scan# 2482
Delta R.T. 0.01 min
Lab File: BM006054.D
Acq: 26 Jun 2016 23:59

Tgt Ion:178 Resp: 383715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.4 | 12.2 | 18.4 |
| 176 | 18.2 | 14.9 | 22.3 |



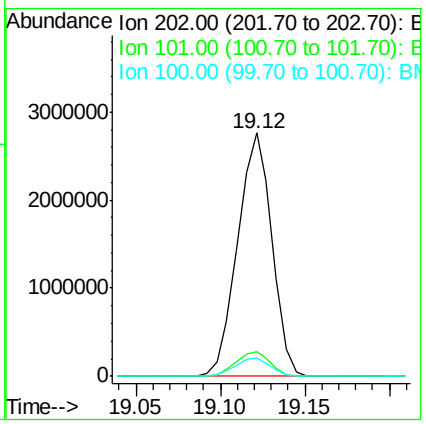


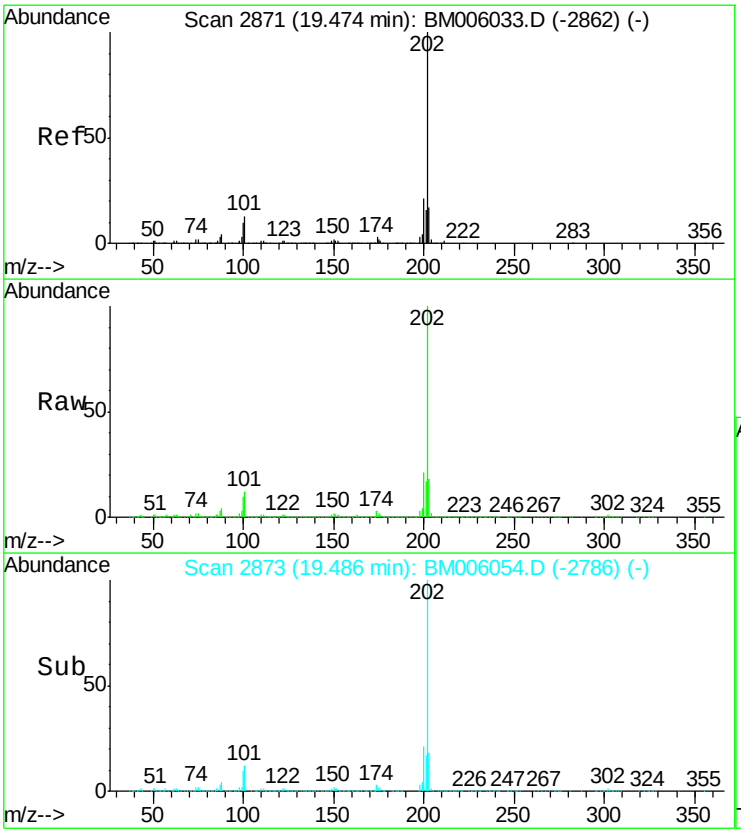

#28
Fluoranthene
Concen: 28.09 ng/ul
RT: 19.12 min Scan# 2811
Delta R.T. 0.01 min
Lab File: BM006054.D
Acq: 26 Jun 2016 23:59

**Instrument :**
BNA_M
**ClientSampleId :**
D9YA0

Tgt Ion:202 Resp: 3890050

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.9 | 8.2 | 12.4 |
| 100 | 7.4 | 6.3 | 9.5 |

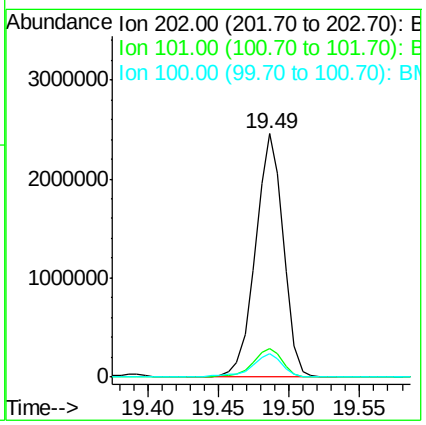


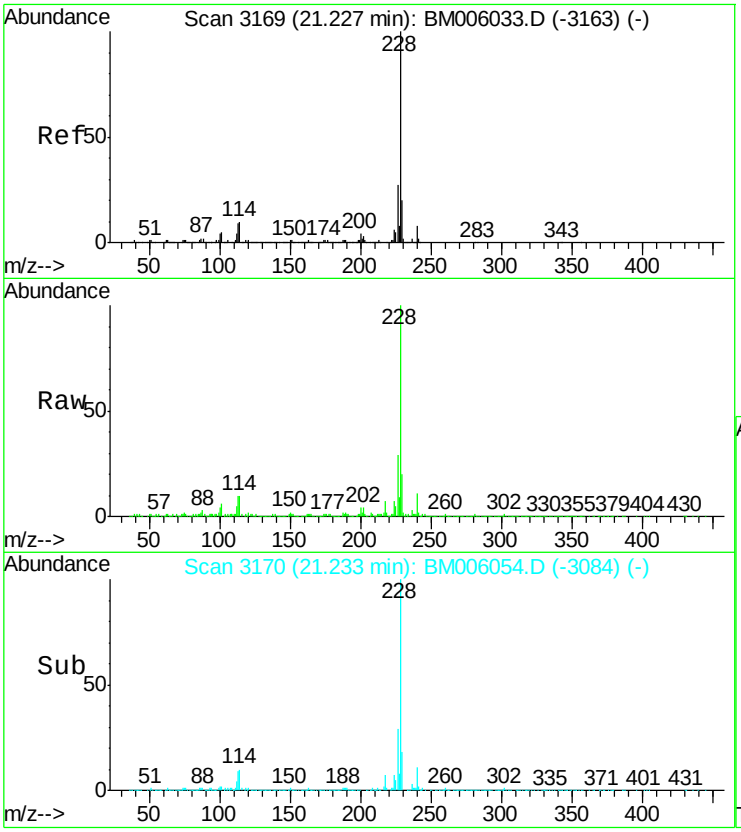




#31
Pyrene
Concen: 32.09 ng/ul
RT: 19.49 min Scan# 2873
Delta R.T. 0.01 min
Lab File: BM006054.D
Acq: 26 Jun 2016 23:59

Tgt Ion:202 Resp: 3401437

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.0 | 9.8 | 14.6 |
| 100 | 9.5 | 8.2 | 12.2 |



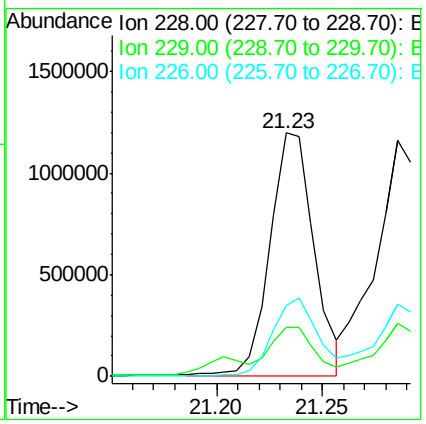


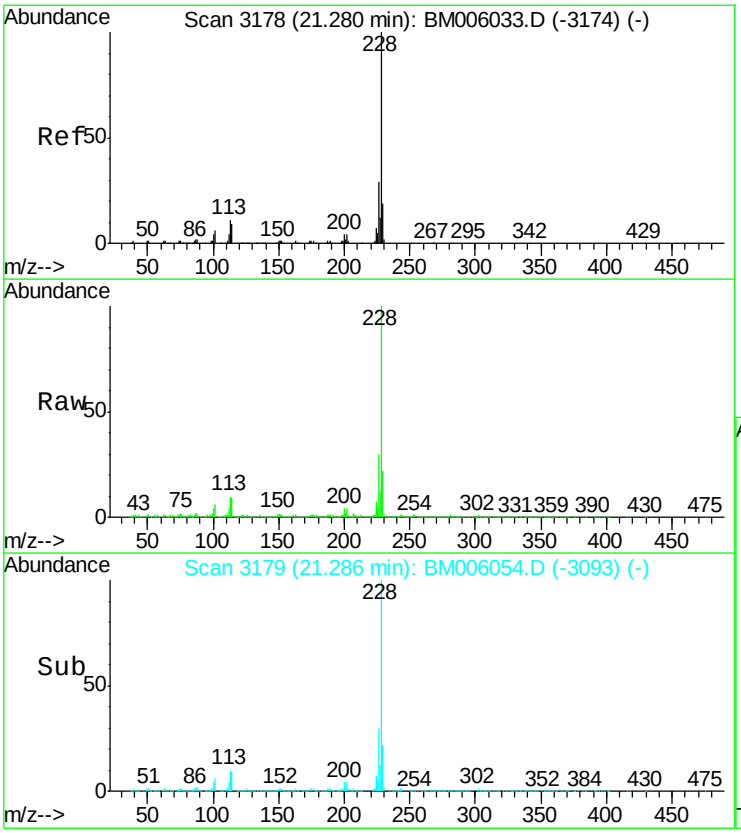

#32
Benzo(a)anthracene
Concen: 15.68 ng/ul
RT: 21.23 min Scan# 3170
Delta R.T. 0.01 min
Lab File: BM006054.D
Acq: 26 Jun 2016 23:59

**Instrument :**
BNA_M
**ClientSampleId :**
D9YA0

Tgt Ion:228 Resp: 1724610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 20.1 | 15.8 | 23.6 |
| 226 | 29.0 | 21.5 | 32.3 |

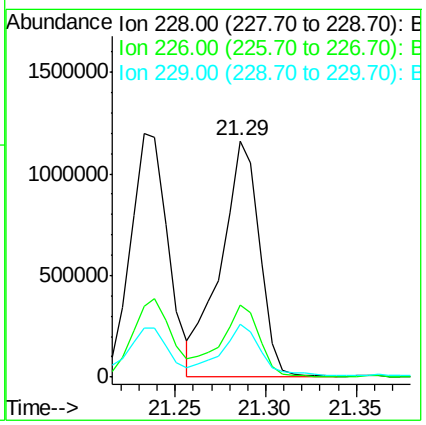


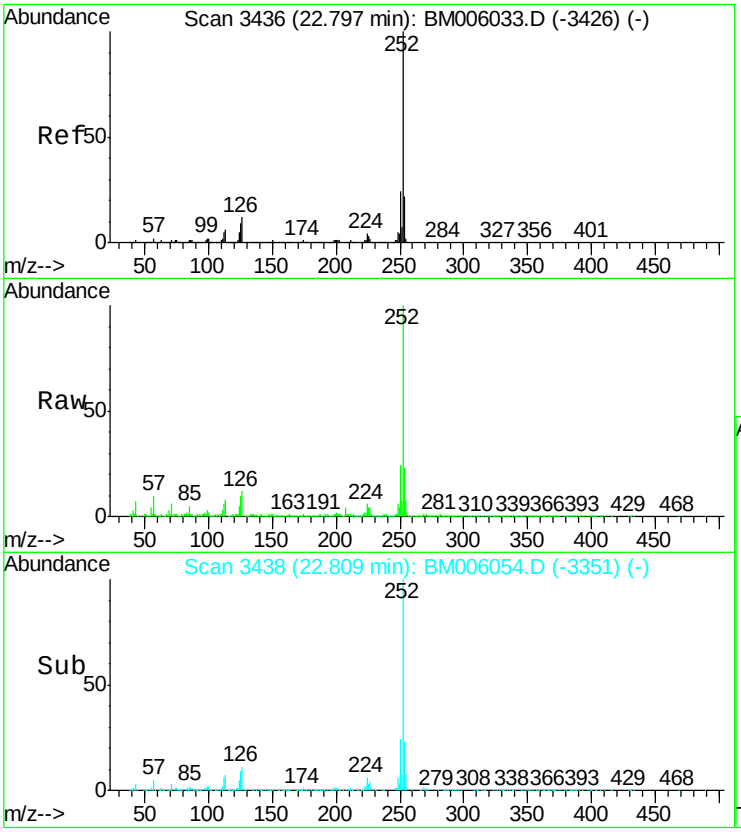




#33
Chrysene
Concen: 17.11 ng/ul
RT: 21.29 min Scan# 3179
Delta R.T. 0.01 min
Lab File: BM006054.D
Acq: 26 Jun 2016 23:59

Tgt Ion:228 Resp: 1719140

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.4 | 24.3 | 36.5 |
| 229 | 22.1 | 15.4 | 23.2 |



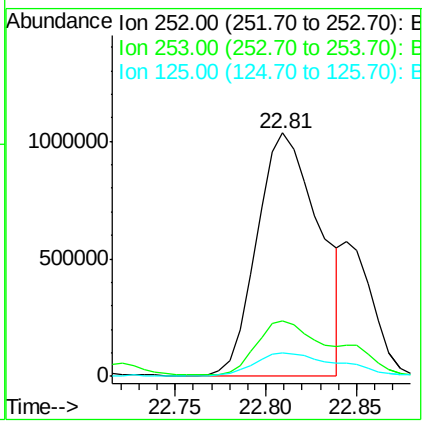


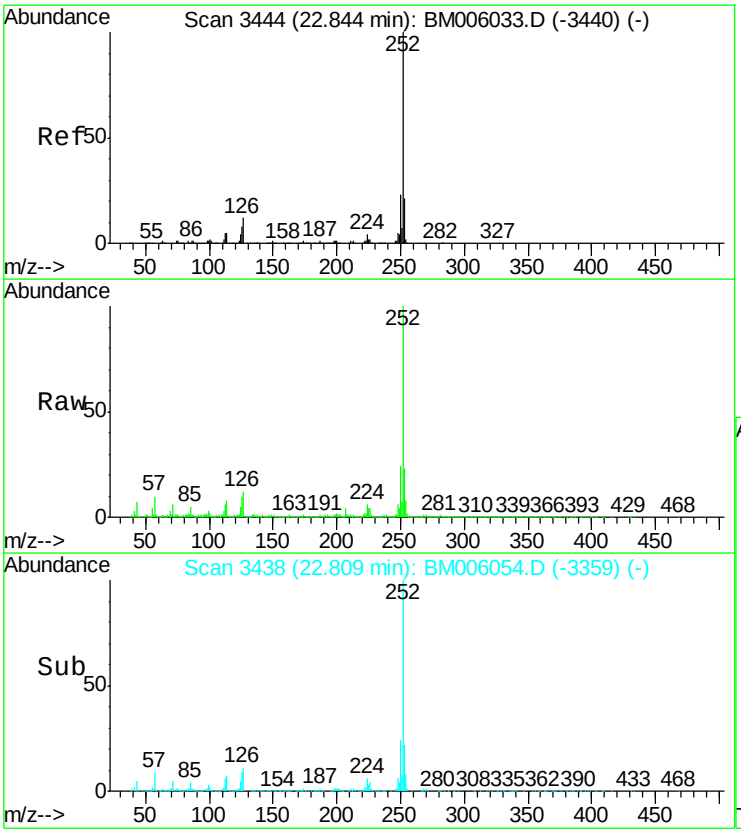

#35
Benzo(b)fluoranthene
Concen: 25.38 ng/ul
RT: 22.81 min Scan# 3438
Delta R.T. 0.01 min
Lab File: BM006054.D
Acq: 26 Jun 2016 23:59

**Instrument :**
BNA_M
**ClientSampleId :**
D9YA0

Tgt Ion:252 Resp: 2469521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.8 | 17.2 | 25.8 |
| 125 | 9.5 | 6.8 | 10.2 |

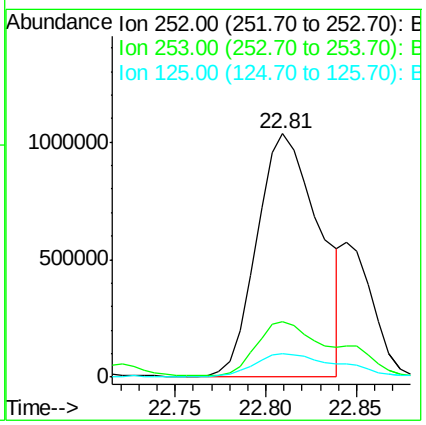


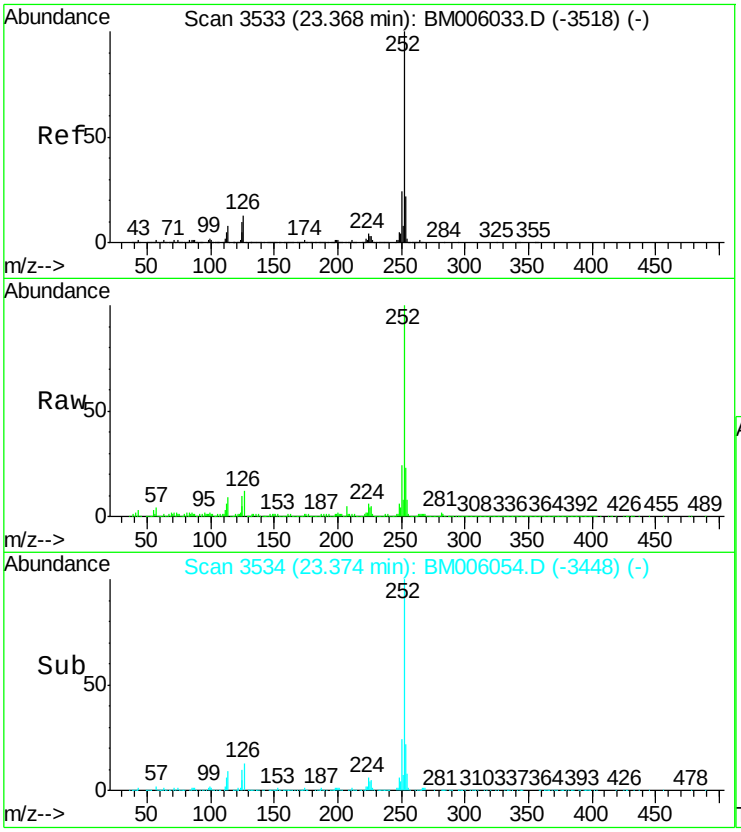




#36
Benzo(k)fluoranthene
Concen: 27.29 ng/ul
RT: 22.81 min Scan# 3438
Delta R.T. -0.04 min
Lab File: BM006054.D
Acq: 26 Jun 2016 23:59

Tgt Ion:252 Resp: 2469521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.8 | 17.3 | 25.9 |
| 125 | 9.5 | 7.0 | 10.4 |



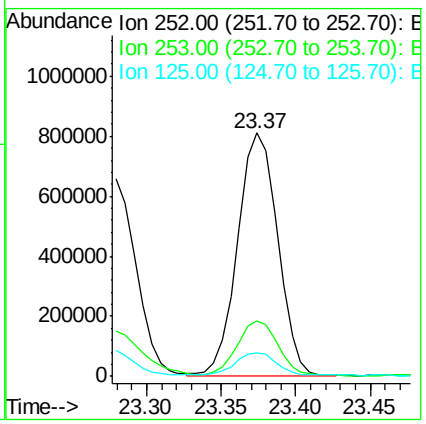


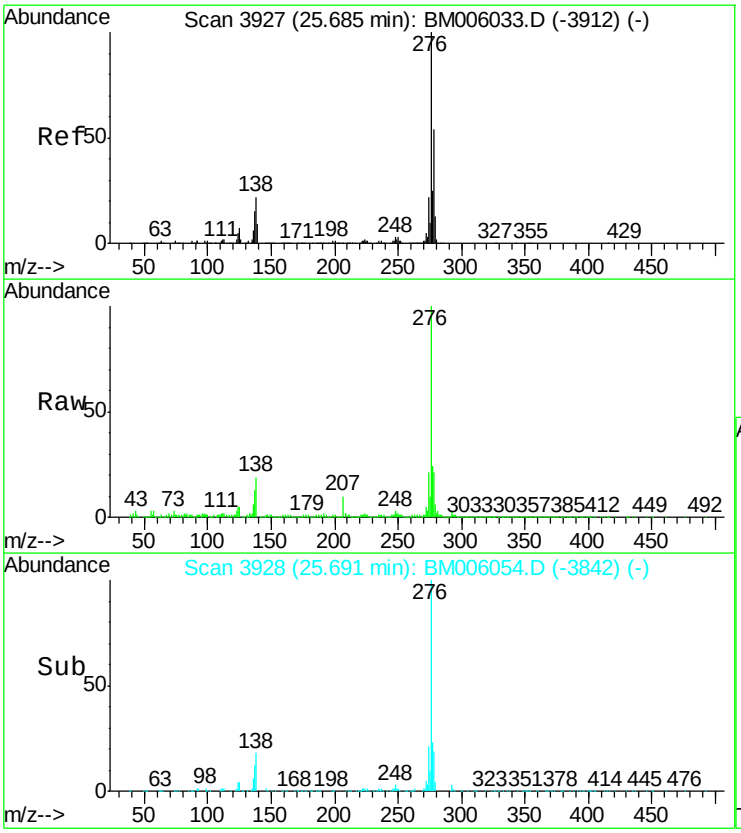

#38
Benzo(a)pyrene
Concen: 16.11 ng/ul
RT: 23.37 min Scan# 3534
Delta R.T. 0.01 min
Lab File: BM006054.D
Acq: 26 Jun 2016 23:59

**Instrument :**
BNA_M
**ClientSampleId :**
D9YA0

Tgt Ion:252 Resp: 1502840

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.0 | 17.6 | 26.4 |
| 125 | 9.9 | 7.8 | 11.6 |

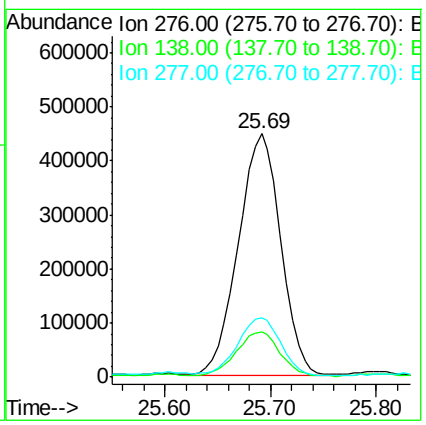


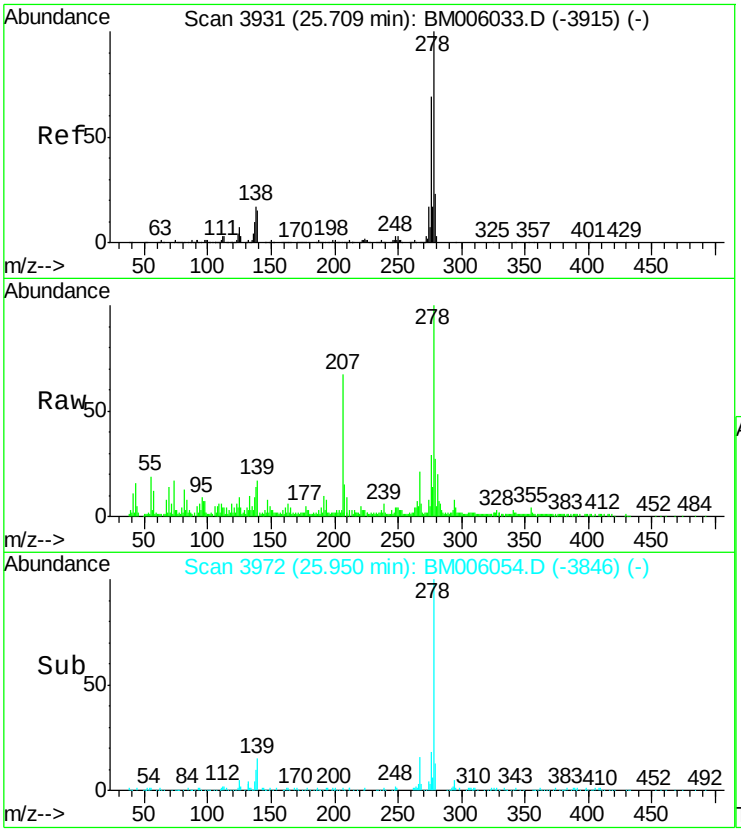




#39
Indeno(1,2,3-cd)pyrene
Concen: 11.19 ng/ul
RT: 25.69 min Scan# 3928
Delta R.T. 0.01 min
Lab File: BM006054.D
Acq: 26 Jun 2016 23:59

Tgt Ion:276 Resp: 1244667

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 18.5 | 16.6 | 25.0 |
| 277 | 24.3 | 19.6 | 29.4 |



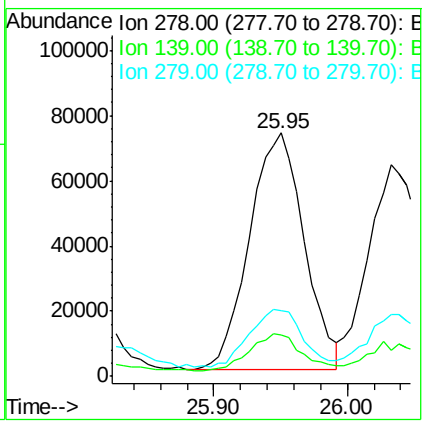


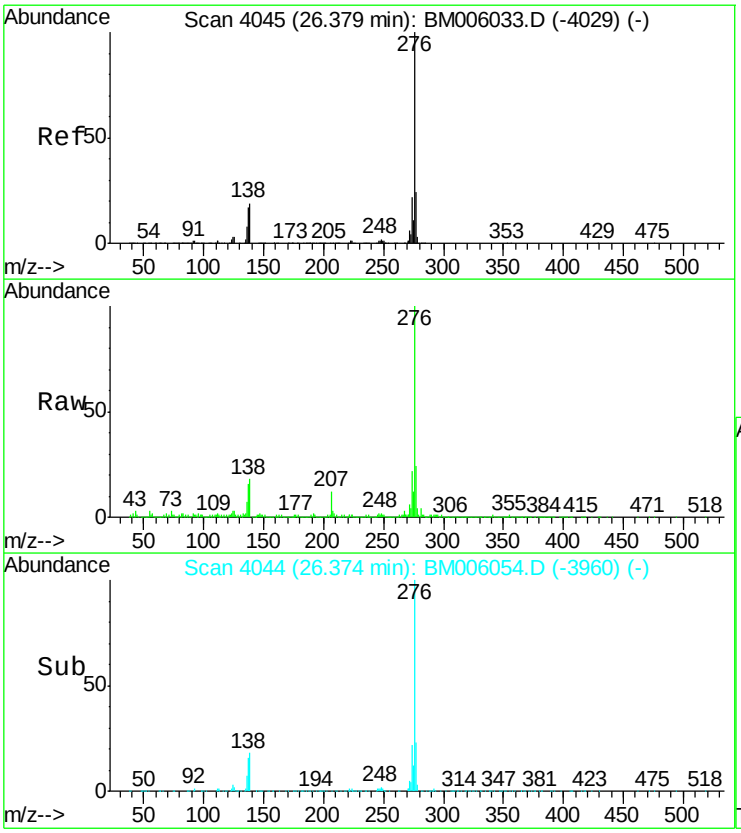

#40
Dibenzo(a,h)anthracene
Concen: 2.24 ng/ul
RT: 25.95 min Scan# 3972
Delta R.T. 0.24 min
Lab File: BM006054.D
Acq: 26 Jun 2016 23:59

**Instrument :**
BNA_M
**ClientSampleId :**
D9YA0

Tgt Ion:278 Resp: 207362

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 17.1 | 11.4 | 17.2 |
| 279 | 27.2 | 18.8 | 28.2 |




#41
Benzo(g,h,i)perylene
Concen: 13.02 ng/ul
RT: 26.37 min Scan# 4044
Delta R.T. -0.01 min
Lab File: BM006054.D
Acq: 26 Jun 2016 23:59

Tgt Ion:276 Resp: 1252606

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 18.5 | 15.9 | 23.9 |
| 277 | 23.6 | 19.2 | 28.8 |