Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM063016\
Data File : BM006162.D
Acq On : 30 Jun 2016 16:10
Operator : UM/SJ
Sample : H3779-05MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** D9YD4MSD

Quant Time: Jun 30 17:02:02 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062816.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jun 29 00:57:09 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.65 | 152 | 281035 | 20.00 | ng/ul | 0.00 |
| 7) Naphthalene-d8 | 10.43 | 136 | 1259989 | 20.00 | ng/ul | 0.00 |
| 15) Acenaphthene-d10 | 14.30 | 164 | 694811 | 20.00 | ng/ul | 0.00 |
| 23) Phenanthrene-d10 | 17.06 | 188 | 1400689 | 20.00 | ng/ul | 0.00 |
| 29) Chrysene-d12 | 21.26 | 240 | 932870 | 20.00 | ng/ul | 0.00 |
| 34) Perylene-d12 | 23.48 | 264 | 1081712 | 20.00 | ng/ul | 0.02 |
| **System Monitoring Compounds** | | | | | | |
| 2) 1,4-Dioxane-d8 | 3.17 | 96 | 8929 | 1.48 | ng/uL | 0.00 |
| 3) Phenol-d5 | 6.83 | 99 | 523962 | 22.82 | ng/ul | 0.00 |
| 4) Bis-(2-Chloroethyl)ether-d | 6.99 | 67 | 312134 | 23.06 | ng/ul | 0.00 |
| 5) 2-Chlorophenol-d4 | 7.19 | 132 | 399646 | 22.68 | ng/ul | 0.00 |
| 6) 4-Methylphenol-d8 | 8.36 | 113 | 425096 | 23.01 | ng/ul | 0.00 |
| 8) Nitrobenzene-d5 | 8.81 | 128 | 205884 | 24.26 | ng/ul | 0.00 |
| 9) 2-Nitrophenol-d4 | 9.52 | 143 | 222622 | 22.92 | ng/ul | 0.00 |
| 10) 2,4-Dichlorophenol-d3 | 10.06 | 165 | 413876 | 23.35 | ng/ul | 0.00 |
| 12) 4-Chloroaniline-d4 | 10.57 | 131 | 367559 | 26.24 | ng/ul | 0.00 |
| 16) Dimethylphthalate-d6 | 13.72 | 166 | 1214436 | 24.38 | ng/ul | 0.00 |
| 17) Acenaphthylene-d8 | 14.00 | 160 | 1546728 | 25.59 | ng/ul | 0.00 |
| 20) 4-Nitrophenol-d4 | 14.52 | 143 | 192316 | 20.35 | ng/ul | 0.01 |
| 21) Fluorene-d10 | 15.30 | 176 | 1050114 | 24.71 | ng/ul | 0.00 |
| 24) 4,6-Dinitro-2-methylphenol | 15.43 | 200 | 84010 | 16.93 | ng/ul | 0.00 |
| 26) Anthracene-d10 | 17.16 | 188 | 1502376 | 26.74 | ng/ul | 0.00 |
| 30) Pyrene-d10 | 19.46 | 212 | 1243178 | 33.09 | ng/ul | 0.00 |
| 37) Benzo(a)pyrene-d12 | 23.34 | 264 | 1126224 | 26.16 | ng/ul | 0.02 |
| **Target Compounds** | | | | | | Qvalue |
| 11) Naphthalene | 10.49 | 128 | 143689 | 2.61 | ng/ul | 99 |
| 18) Acenaphthylene | 14.02 | 152 | 237917 | 3.76 | ng/ul | 100 |
| 19) Acenaphthene | 14.37 | 153 | 831631 | 20.59 | ng/ul | 99 |
| 22) Fluorene | 15.36 | 166 | 65481 | 1.43 | ng/ul | 98 |
| 25) Phenanthrene | 17.10 | 178 | 1415465 | 21.35 | ng/ul | 100 |
| 27) Anthracene | 17.19 | 178 | 438702 | 6.44 | ng/ul | 99 |
| 28) Fluoranthene | 19.13 | 202 | 3546843 | 43.69 | ng/ul | 97 |
| 31) Pyrene | 19.49 | 202 | 3785889 | 76.94 | ng/ul# | 94 |
| 32) Benzo(a)anthracene | 21.24 | 228 | 1776067 | 36.61 | ng/ul | 97 |
| 33) Chrysene | 21.29 | 228 | 1667934 | 37.35 | ng/ul | 98 |
| 35) Benzo(b)fluoranthene | 22.81 | 252 | 2774905 | 49.43 | ng/ul | 98 |
| 36) Benzo(k)fluoranthene | 22.81 | 252 | 2774905 | 52.69 | ng/ul | 98 |
| 38) Benzo(a)pyrene | 23.39 | 252 | 1882129 | 35.48 | ng/ul | 98 |
| 39) Indeno(1,2,3-cd)pyrene | 25.71 | 276 | 1567477 | 28.43 | ng/ul# | 93 |
| 40) Dibenzo(a,h)anthracene | 25.71 | 278 | 439290 | 9.63 | ng/ul# | 91 |
| 41) Benzo(g,h,i)perylene | 26.40 | 276 | 1323146 | 28.67 | ng/ul | 97 |

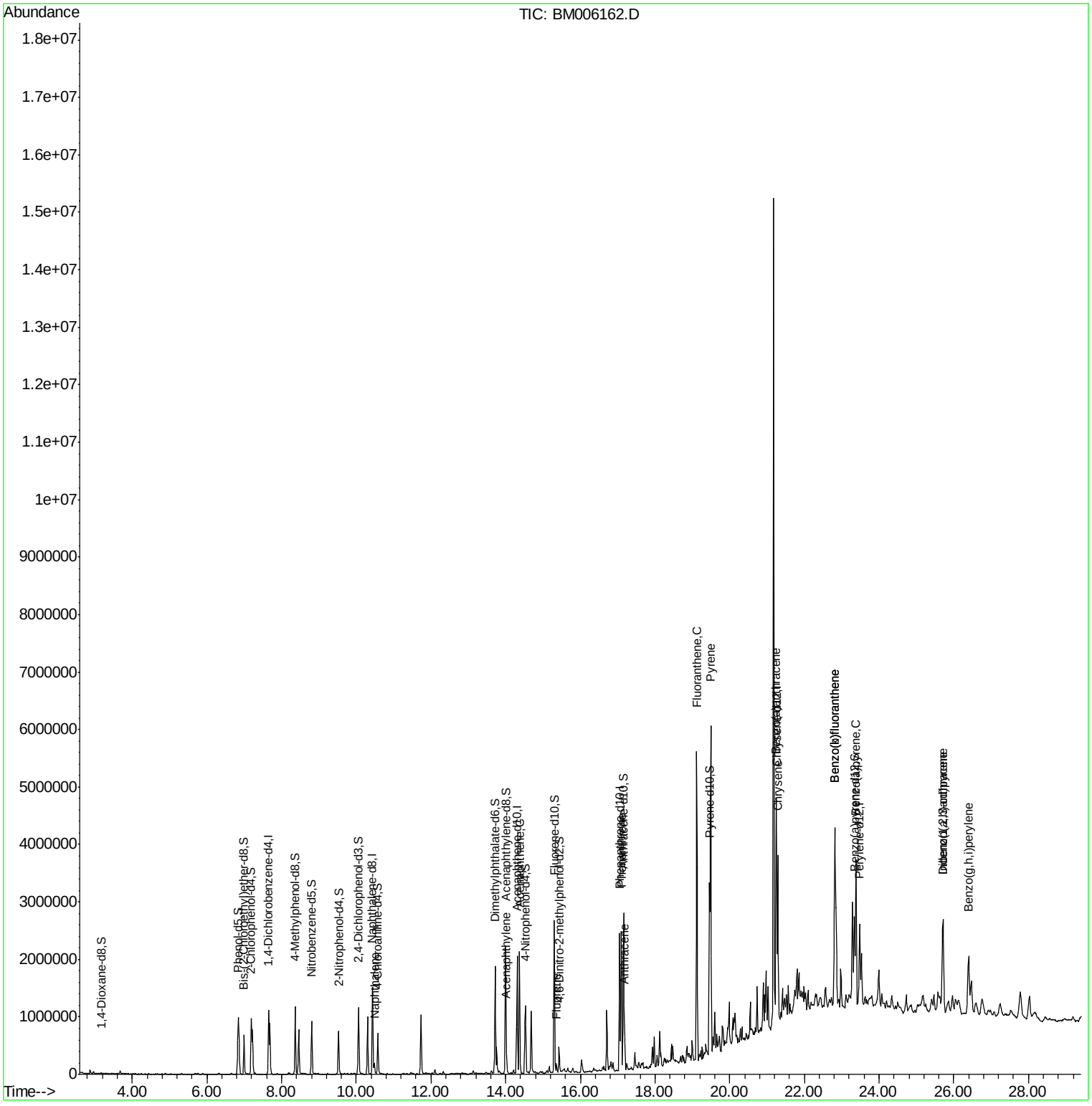
(#) = qualifier out of range (m) = manual integration (+) = signals summed

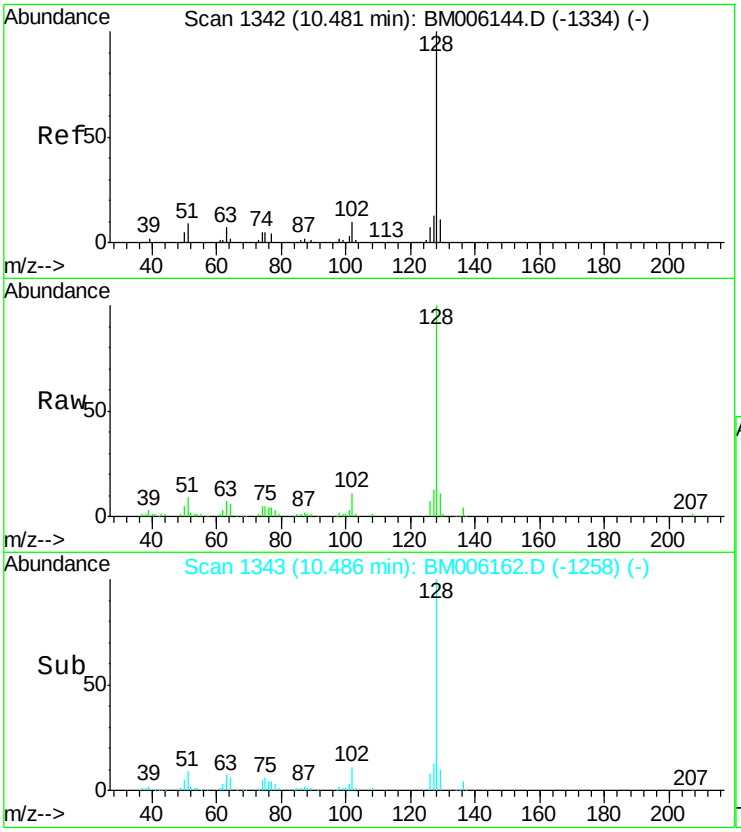
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM063016\
Data File : BM006162.D
Acq On : 30 Jun 2016 16:10
Operator : UM/SJ
Sample : H3779-05MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
D9YD4MSD

Quant Time: Jun 30 17:02:02 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062816.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jun 29 00:57:09 2016
Response via : Initial Calibration



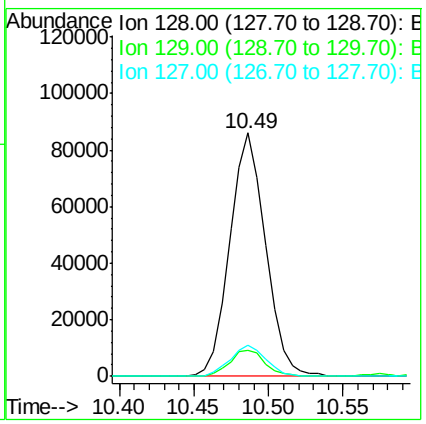


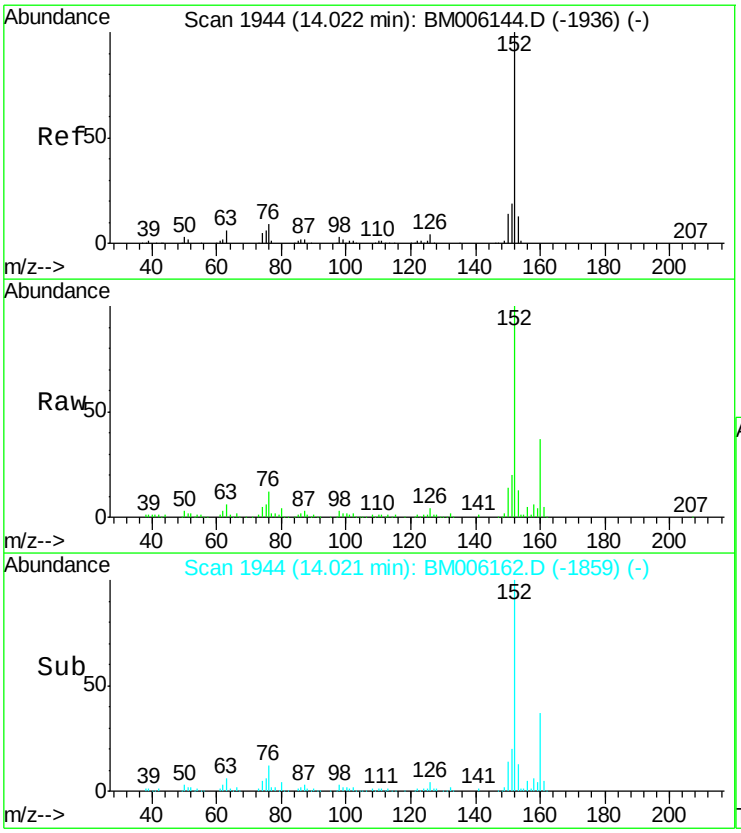

#11
Naphthalene
Concen: 2.61 ng/ul
RT: 10.49 min Scan# 1343
Delta R.T. -0.00 min
Lab File: BM006162.D
Acq: 30 Jun 2016 16:10

**Instrument :**
BNA_M
**ClientSampleId :**
D9YD4MSD

Tgt Ion:128 Resp: 143689

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.6 | 8.9 | 13.3 |
| 127 | 12.7 | 10.5 | 15.7 |

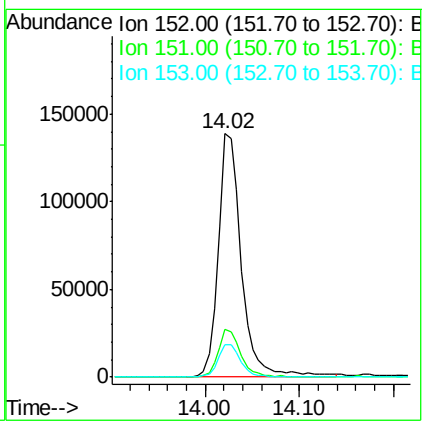


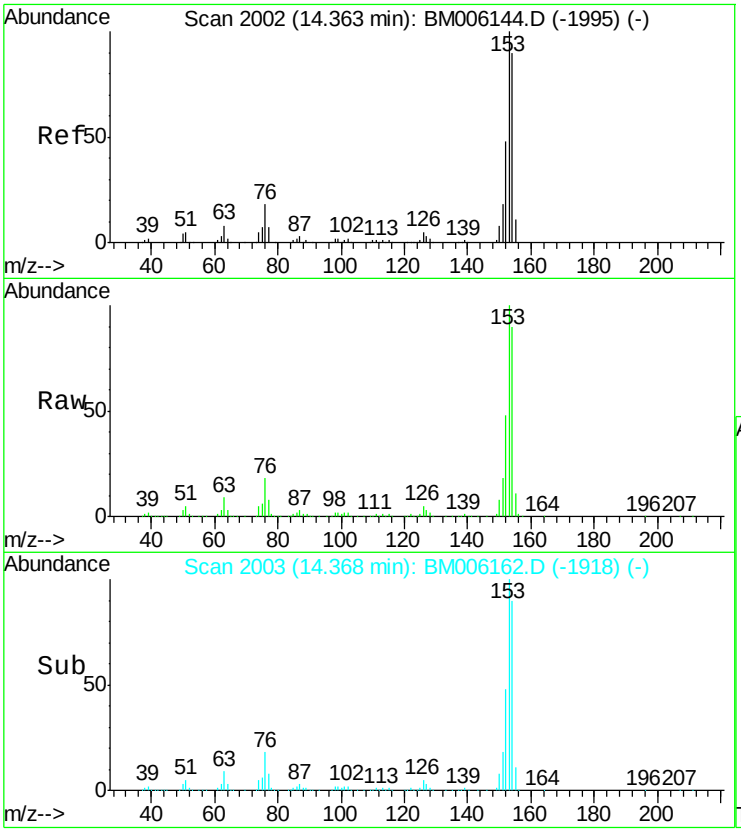




#18
Acenaphthylene
Concen: 3.76 ng/ul
RT: 14.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: BM006162.D
Acq: 30 Jun 2016 16:10

Tgt Ion:152 Resp: 237917

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.8 | 15.8 | 23.6 |
| 153 | 13.1 | 10.3 | 15.5 |



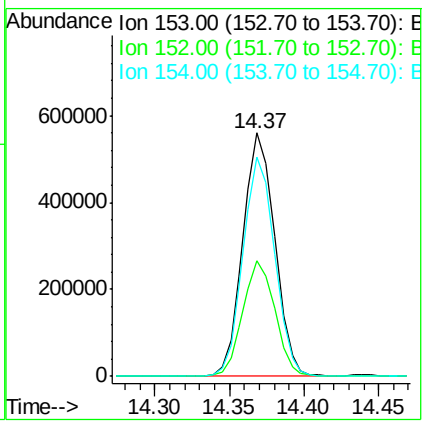


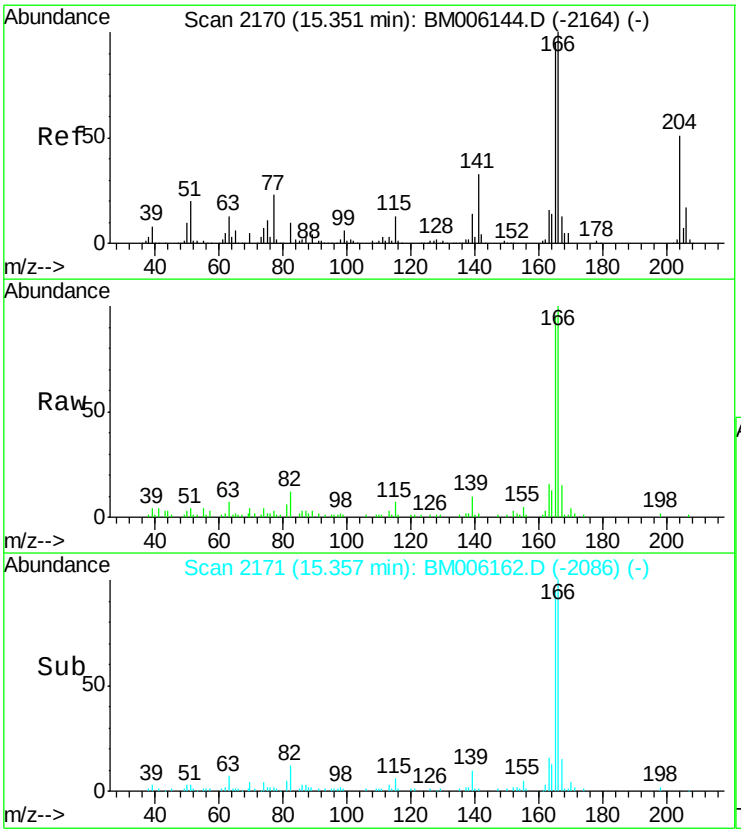

#19
Acenaphthene
Concen: 20.59 ng/ul
RT: 14.37 min Scan# 2003
Delta R.T. -0.00 min
Lab File: BM006162.D
Acq: 30 Jun 2016 16:10

**Instrument :**
BNA_M
**ClientSampleId :**
D9YD4MSD

Tgt Ion:153 Resp: 831631

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 47.7 | 38.1 | 57.1 |
| 154 | 90.3 | 71.6 | 107.4 |

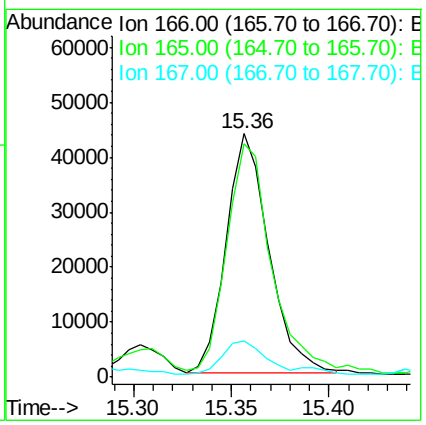


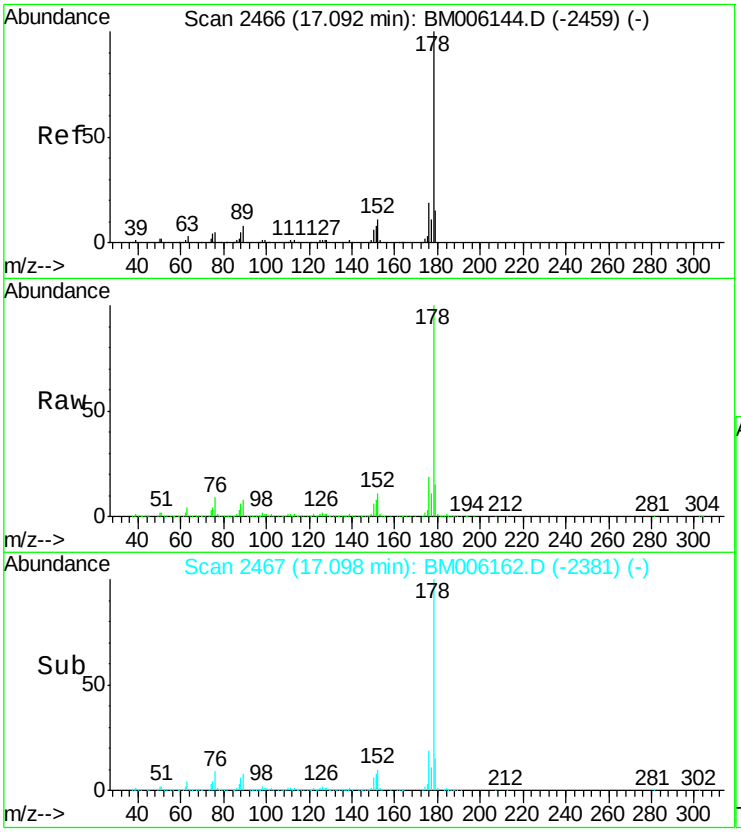




#22
Fluorene
Concen: 1.43 ng/ul
RT: 15.36 min Scan# 2171
Delta R.T. -0.00 min
Lab File: BM006162.D
Acq: 30 Jun 2016 16:10

Tgt Ion:166 Resp: 65481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 95.7 | 78.4 | 117.6 |
| 167 | 14.7 | 10.6 | 16.0 |



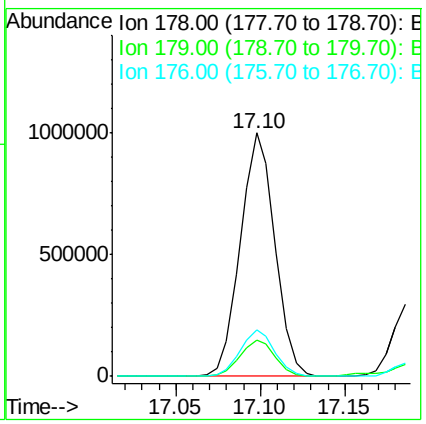


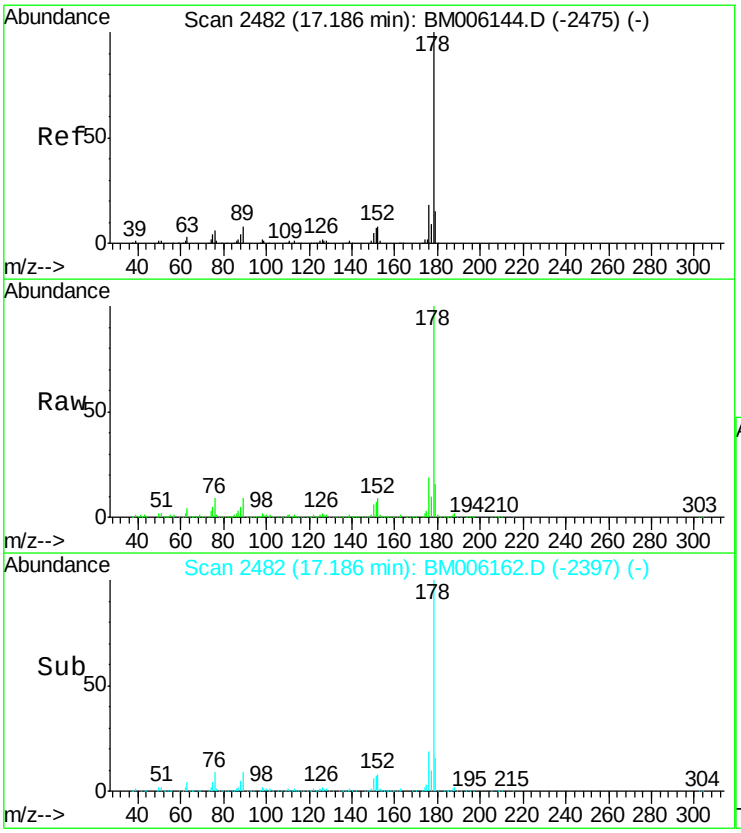

#25
Phenanthrene
Concen: 21.35 ng/ul
RT: 17.10 min Scan# 2467
Delta R.T. 0.01 min
Lab File: BM006162.D
Acq: 30 Jun 2016 16:10

**Instrument :**
BNA_M
**ClientSampleId :**
D9YD4MSD

Tgt Ion:178 Resp: 1415465

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.0 | 12.2 | 18.2 |
| 176 | 19.1 | 15.3 | 22.9 |

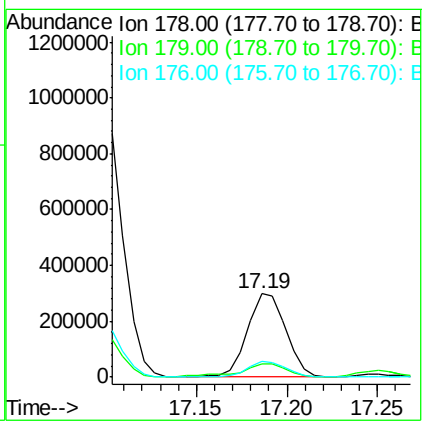


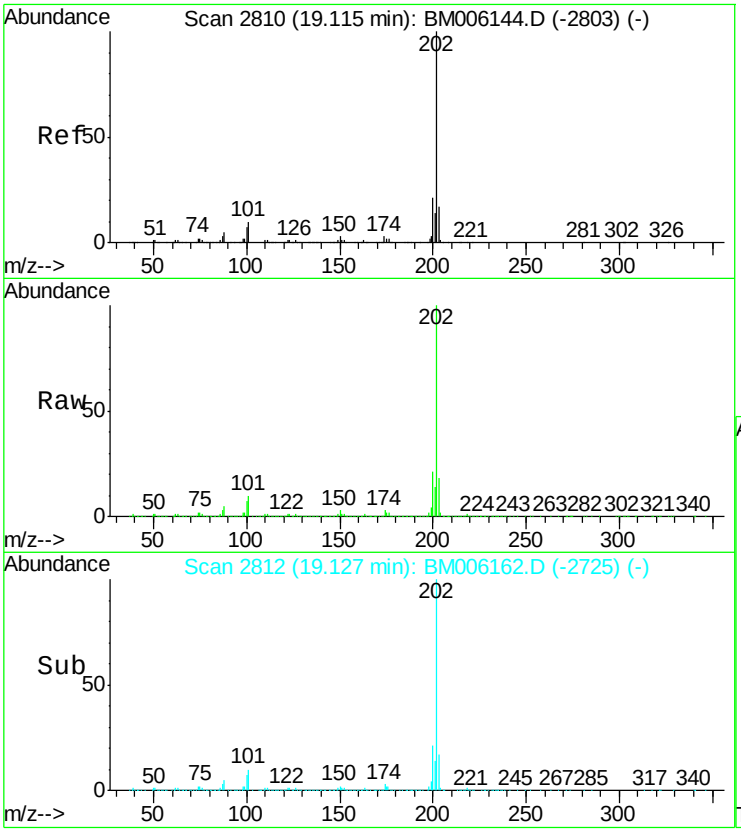




#27
Anthracene
Concen: 6.44 ng/ul
RT: 17.19 min Scan# 2482
Delta R.T. -0.00 min
Lab File: BM006162.D
Acq: 30 Jun 2016 16:10

Tgt Ion:178 Resp: 438702

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.8 | 12.3 | 18.5 |
| 176 | 19.0 | 14.6 | 22.0 |



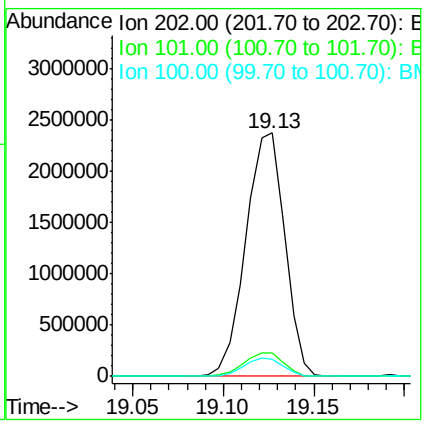


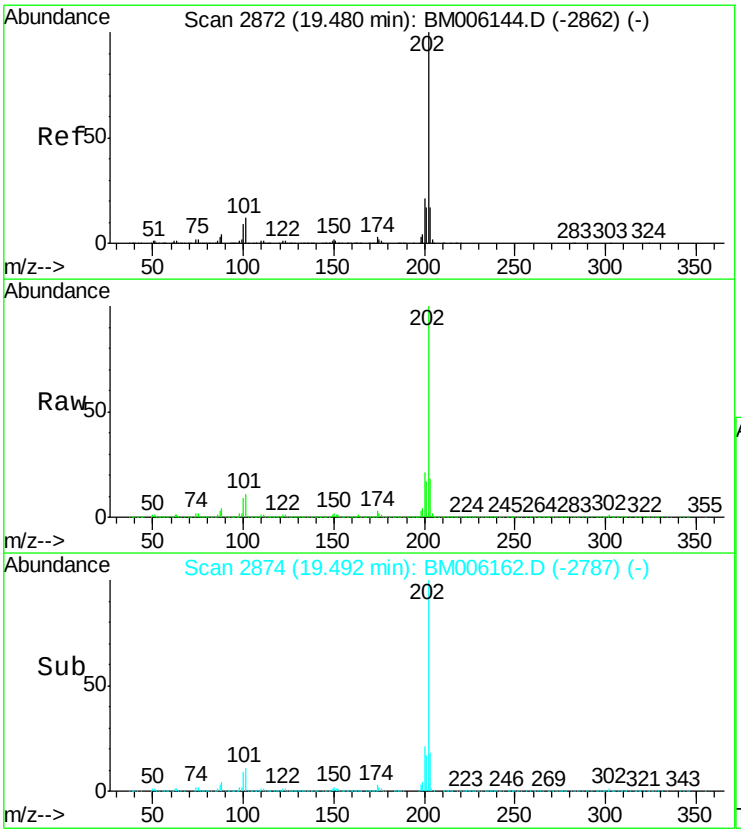

#28
Fluoranthene
Concen: 43.69 ng/ul
RT: 19.13 min Scan# 2812
Delta R.T. 0.01 min
Lab File: BM006162.D
Acq: 30 Jun 2016 16:10

**Instrument :**
BNA_M
**ClientSampleId :**
D9YD4MSD

Tgt Ion:202 Resp: 3546843

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.6 | 8.5 | 12.7 |
| 100 | 7.1 | 6.5 | 9.7 |

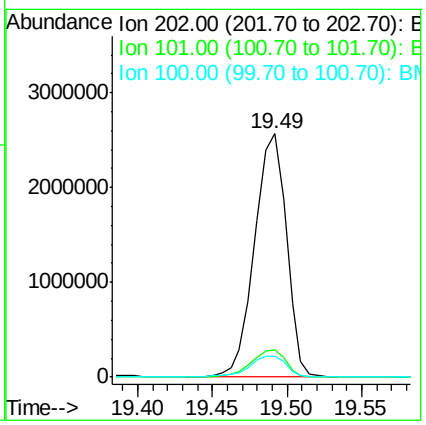


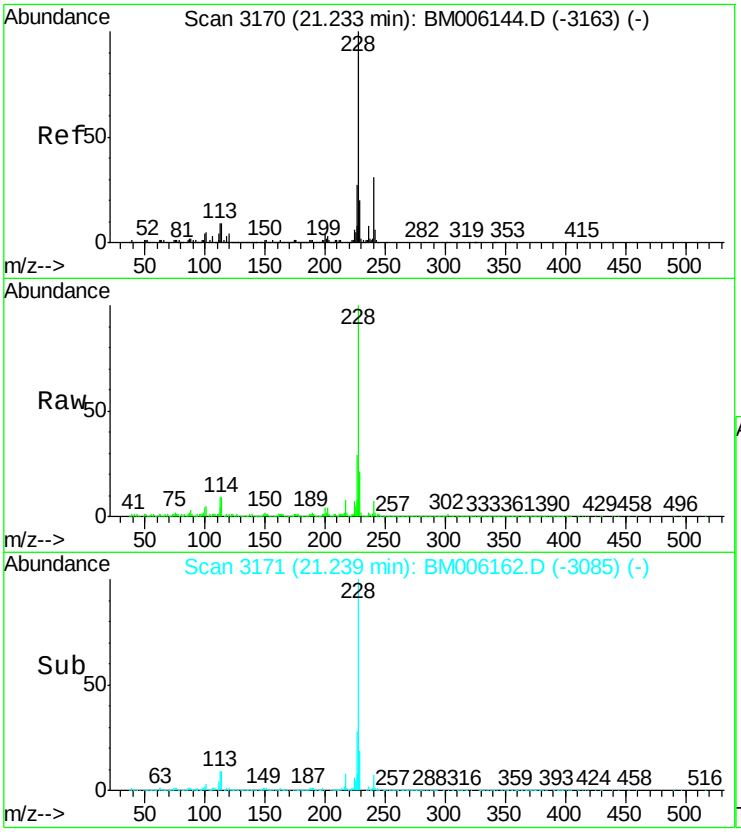




#31
Pyrene
Concen: 76.94 ng/ul
RT: 19.49 min Scan# 2874
Delta R.T. 0.01 min
Lab File: BM006162.D
Acq: 30 Jun 2016 16:10

Tgt Ion:202 Resp: 3785889

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.3 | 11.0 | 16.4 |
| 100 | 8.8 | 8.9 | 13.3# |



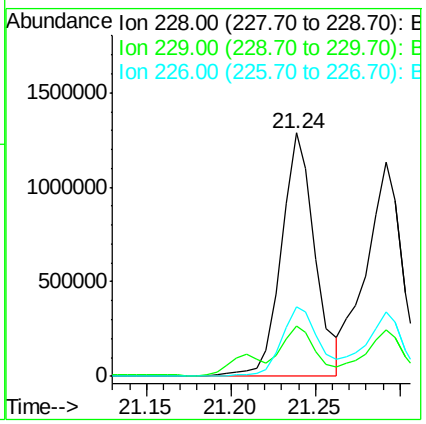


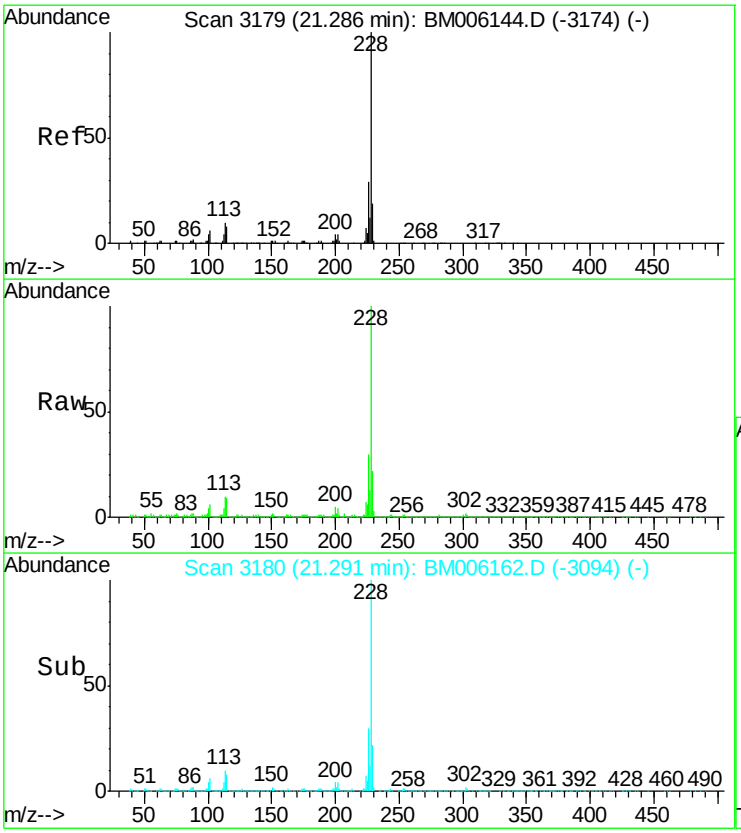

#32
Benzo(a)anthracene
Concen: 36.61 ng/ul
RT: 21.24 min Scan# 3171
Delta R.T. 0.01 min
Lab File: BM006162.D
Acq: 30 Jun 2016 16:10

**Instrument :**
BNA_M
**ClientSampleId :**
D9YD4MSD

Tgt Ion:228 Resp: 1776067

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 20.5 | 15.6 | 23.4 |
| 226 | 28.8 | 21.6 | 32.4 |

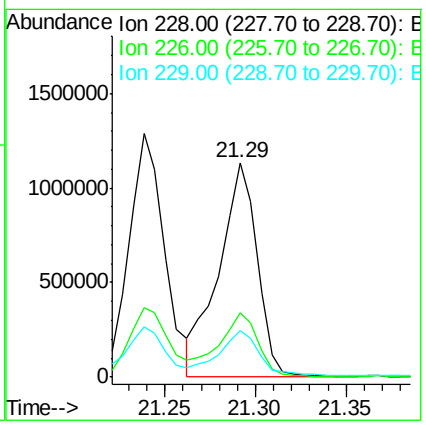


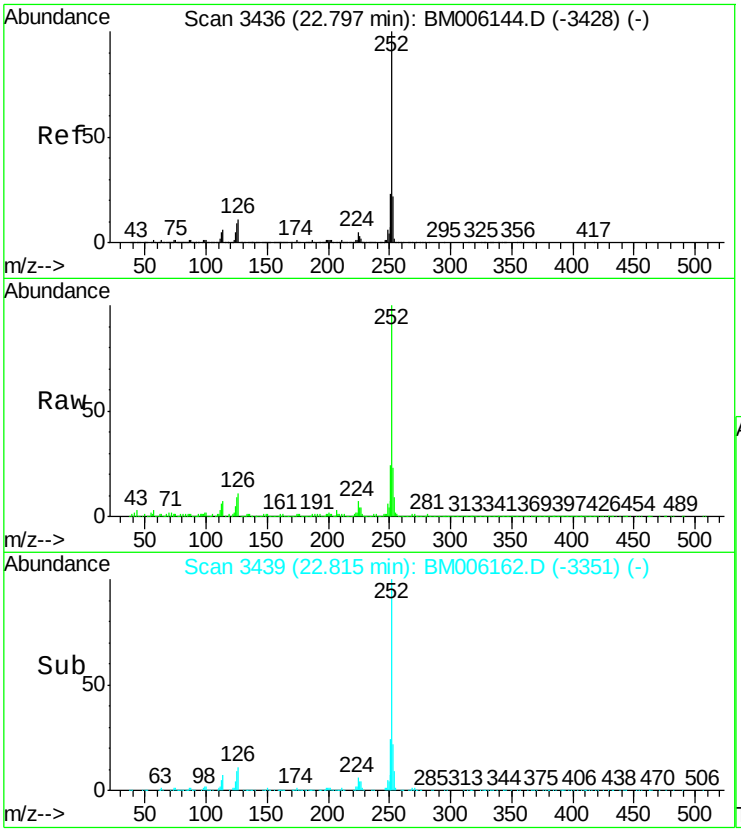




#33
Chrysene
Concen: 37.35 ng/ul
RT: 21.29 min Scan# 3180
Delta R.T. 0.01 min
Lab File: BM006162.D
Acq: 30 Jun 2016 16:10

Tgt Ion:228 Resp: 1667934

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.9 | 23.8 | 35.6 |
| 229 | 21.9 | 15.8 | 23.6 |



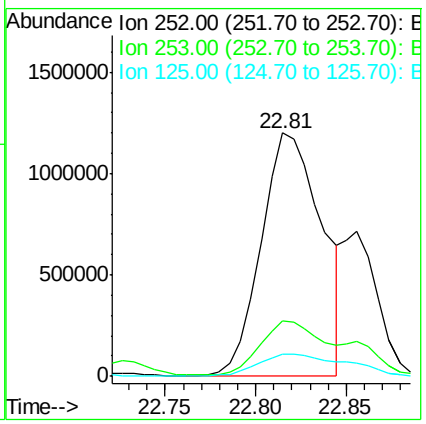


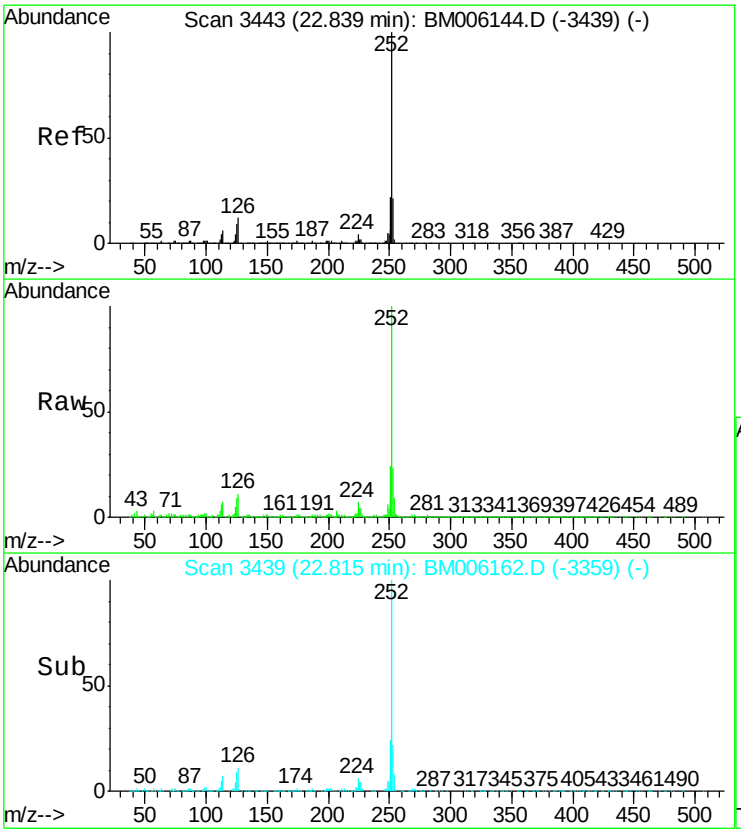

#35
Benzo(b)fluoranthene
Concen: 49.43 ng/ul
RT: 22.81 min Scan# 3439
Delta R.T. 0.02 min
Lab File: BM006162.D
Acq: 30 Jun 2016 16:10

**Instrument :**
BNA_M
**ClientSampleId :**
D9YD4MSD

Tgt Ion:252 Resp: 2774905

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.8 | 17.2 | 25.8 |
| 125 | 9.1 | 7.8 | 11.6 |

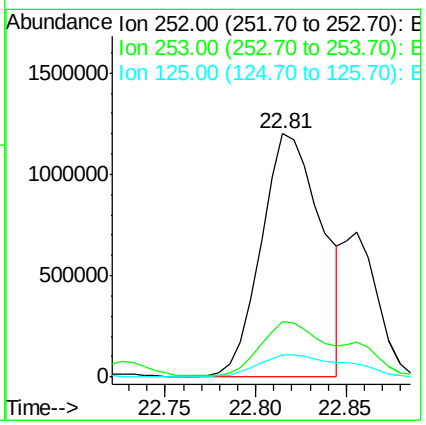


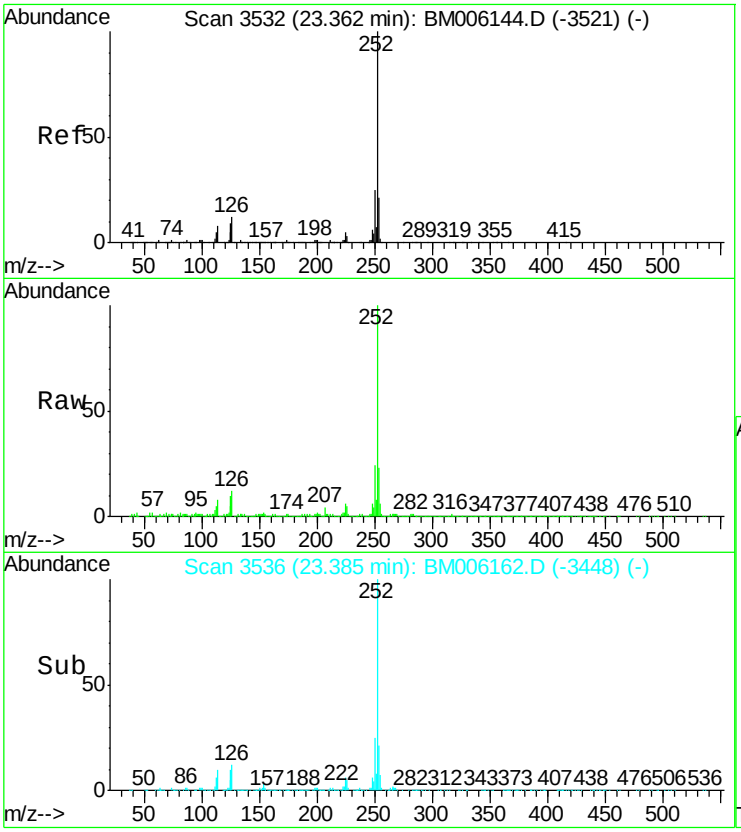




#36
Benzo(k)fluoranthene
Concen: 52.69 ng/ul
RT: 22.81 min Scan# 3439
Delta R.T. -0.03 min
Lab File: BM006162.D
Acq: 30 Jun 2016 16:10

Tgt Ion:252 Resp: 2774905

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.8 | 17.6 | 26.4 |
| 125 | 9.1 | 8.1 | 12.1 |



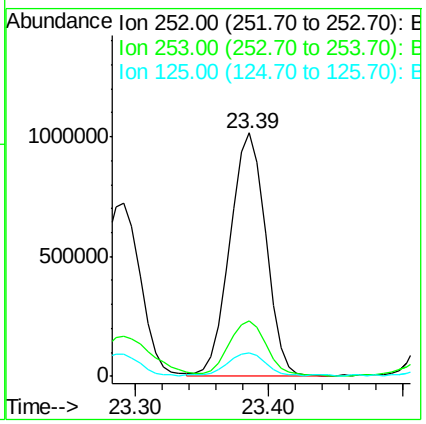


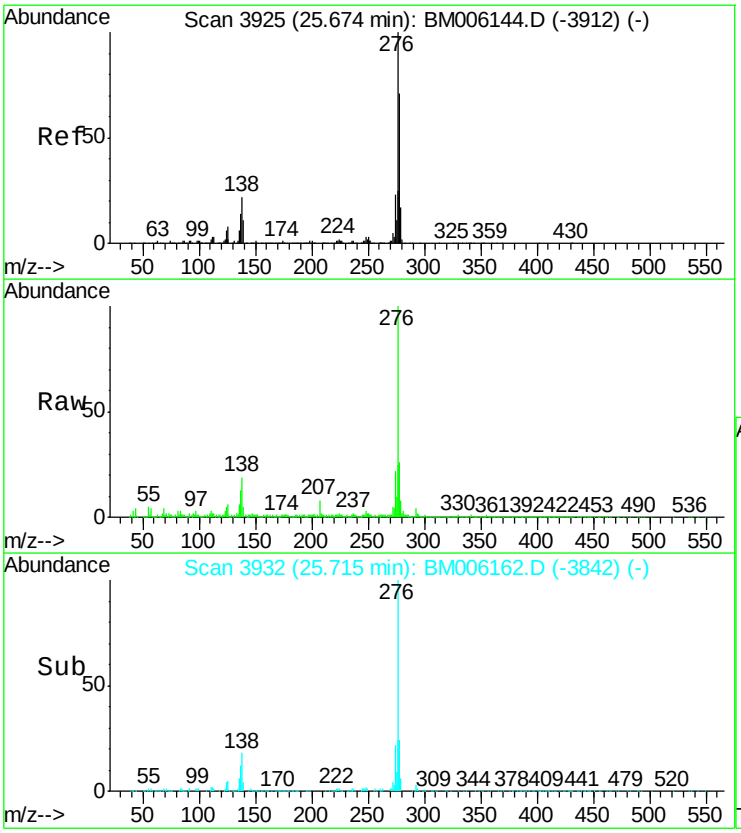

#38
Benzo(a)pyrene
Concen: 35.48 ng/ul
RT: 23.39 min Scan# 3536
Delta R.T. 0.02 min
Lab File: BM006162.D
Acq: 30 Jun 2016 16:10

**Instrument :**
BNA_M
**ClientSampleId :**
D9YD4MSD

Tgt Ion:252 Resp: 1882129

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.7 | 17.8 | 26.6 |
| 125 | 9.6 | 8.7 | 13.1 |

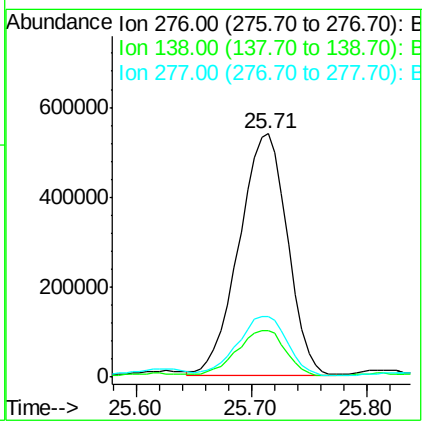


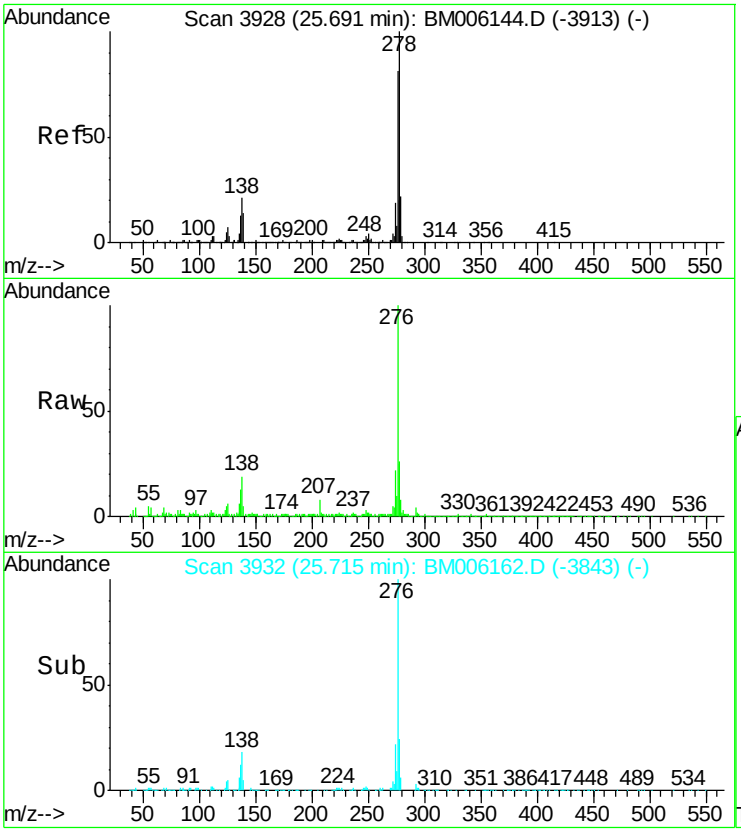




#39
Indeno(1,2,3-cd)pyrene
Concen: 28.43 ng/ul
RT: 25.71 min Scan# 3932
Delta R.T. 0.03 min
Lab File: BM006162.D
Acq: 30 Jun 2016 16:10

Tgt Ion:276 Resp: 1567477

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 18.9 | 20.4 | 30.6# |
| 277 | 25.0 | 20.6 | 30.8 |



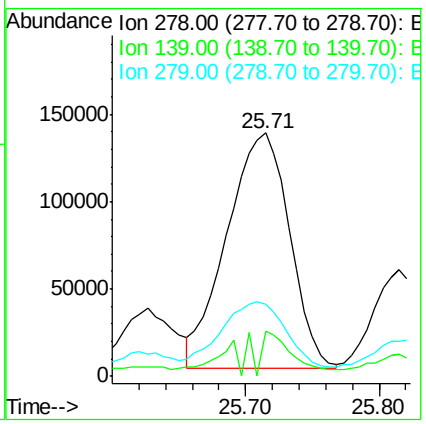


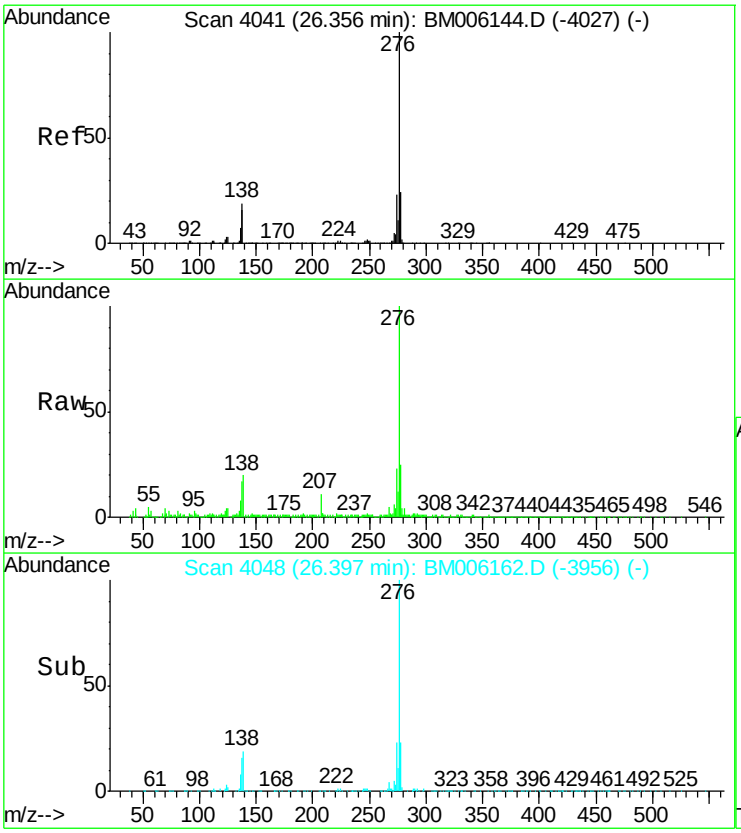

#40
Dibenzo(a,h)anthracene
Concen: 9.63 ng/ul
RT: 25.71 min Scan# 3932
Delta R.T. 0.02 min
Lab File: BM006162.D
Acq: 30 Jun 2016 16:10

**Instrument :**
BNA_M
**ClientSampleId :**
D9YD4MSD

Tgt Ion:278 Resp: 439290

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 18.5 | 13.0 | 19.4 |
| 279 | 29.4 | 18.8 | 28.2# |




#41
Benzo(g,h,i)perylene
Concen: 28.67 ng/ul
RT: 26.40 min Scan# 4048
Delta R.T. 0.04 min
Lab File: BM006162.D
Acq: 30 Jun 2016 16:10

Tgt Ion:276 Resp: 1323146

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 19.5 | 16.6 | 25.0 |
| 277 | 24.9 | 18.9 | 28.3 |