Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081415\
Data File : BM002440.D
Acq On : 16 Aug 2015 00:29
Operator : UM/IZ
Sample : G3194-18MS
Misc :
ALS Vial : 46 Sample Multiplier: 1

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

Quant Time: Aug 17 05:19:24 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM081415MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 17 05:12:59 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.87 | 152 | 207293 | 20.00 | ng/ul | 0.00 |
| 2) Naphthalene-d8 | 11.75 | 136 | 913199 | 20.00 | ng/ul | 0.00 |
| 6) Acenaphthene-d10 | 15.46 | 164 | 460834 | 20.00 | ng/ul | 0.00 |
| 12) Phenanthrene-d10 | 18.16 | 188 | 903252 | 20.00 | ng/ul | 0.00 |
| 17) Chrysene-d12 | 22.24 | 240 | 611704 | 20.00 | ng/ul | 0.00 |
| 22) Perylene-d12 | 24.91 | 264 | 577904 | 20.00 | ng/ul | 0.02 |
| **System Monitoring Compounds** | | | | | | |
| 7) Acenaphthylene-d8 | 15.16 | 160 | 1416757 | 30.07 | ng/ul | 0.00 |
| 10) Fluorene-d10 | 16.43 | 176 | 937331 | 28.32 | ng/ul | 0.00 |
| 14) Anthracene-d10 | 18.26 | 188 | 1294160 | 29.70 | ng/ul | 0.01 |
| 18) Pyrene-d10 | 20.48 | 212 | 1078050 | 39.76 | ng/ul | 0.01 |
| 25) Benzo(a)pyrene-d12 | 24.74 | 264 | 872787 | 28.75 | ng/ul | 0.02 |
| **Target Compounds** | | | | | | Qvalue |
| 3) Naphthalene | 11.79 | 128 | 86593 | 1.86 | ng/ul | 100 |
| 4) 2-Methylnaphthalene | 13.33 | 142 | 74499 | 2.13 | ng/ul | 98 |
| 5) 1-Methylnaphthalene | 13.55 | 142 | 50936 | 1.47 | ng/ul | 98 |
| 9) Acenaphthene | 15.52 | 153 | 870968 | 26.81 | ng/ul | 100 |
| 11) Fluorene | 16.48 | 166 | 86100 | 2.31 | ng/ul# | 98 |
| 13) Phenanthrene | 18.20 | 178 | 1384181 | 26.54 | ng/ul | 100 |
| 15) Anthracene | 18.29 | 178 | 349535 | 6.61 | ng/ul | 100 |
| 16) Fluoranthene | 20.15 | 202 | 1916115 | 32.45 | ng/ul | 99 |
| 19) Pyrene | 20.51 | 202 | 2519696 | 70.31 | ng/ul | 100 |
| 20) Benzo(a)anthracene | 22.22 | 228 | 896941 | 24.52 | ng/ul | 99 |
| 21) Chrysene | 22.28 | 228 | 975960 | 28.53 | ng/ul | 97 |
| 23) Benzo(b)fluoranthene | 24.09 | 252 | 1571807 | 44.99 | ng/ul | 97 |
| 24) Benzo(k)fluoranthene | 24.09 | 252 | 433247 | 13.09 | ng/ul | 98 |
| 26) Benzo(a)pyrene | 24.80 | 252 | 925552 | 27.74 | ng/ul | 99 |
| 27) Indeno(1,2,3-cd)pyrene | 27.75 | 276 | 796185 | 20.75 | ng/ul | 94 |
| 28) Dibenzo(a,h)anthracene | 27.74 | 278 | 254079 | 7.92 | ng/ul# | 90 |
| 29) Benzo(g,h,i)perylene | 28.64 | 276 | 733065 | 22.95 | ng/ul | 99 |

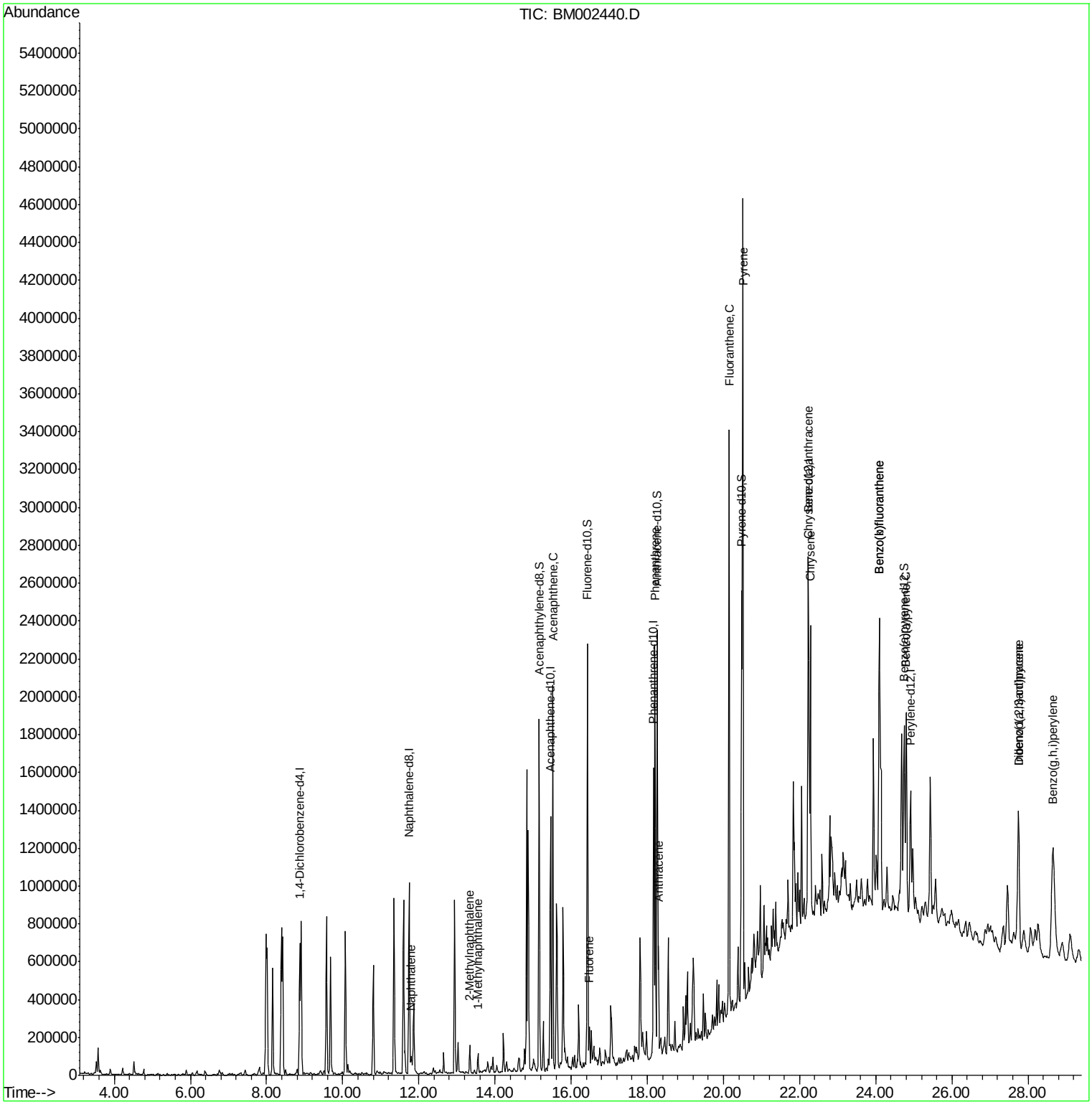
(#) = qualifier out of range (m) = manual integration (+) = signals summed

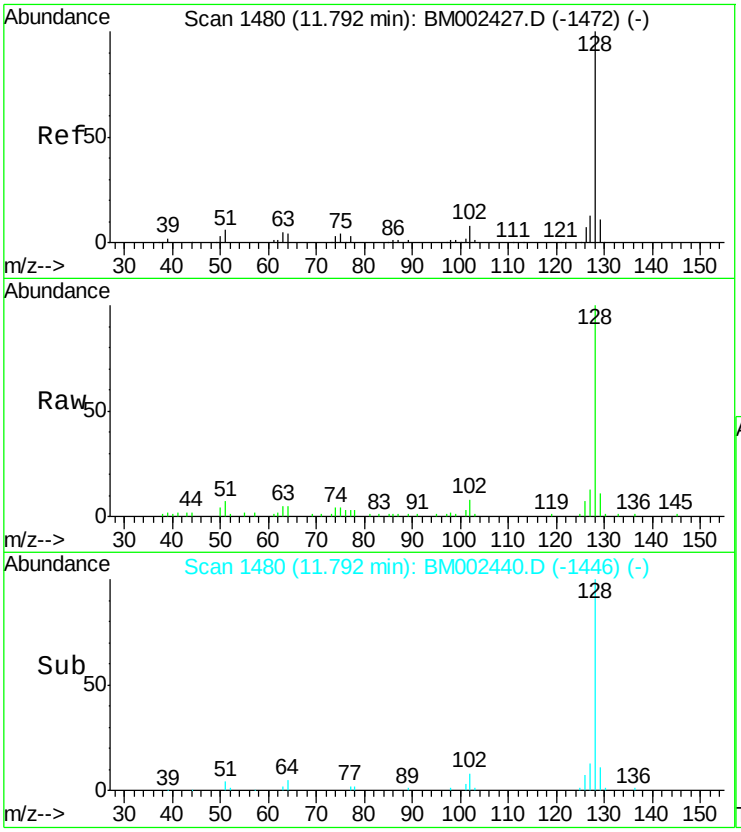
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081415\
Data File : BM002440.D
Acq On : 16 Aug 2015 00:29
Operator : UM/IZ
Sample : G3194-18MS
Misc :
ALS Vial : 46 Sample Multiplier: 1

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

Quant Time: Aug 17 05:19:24 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM081415MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 17 05:12:59 2015
Response via : Initial Calibration



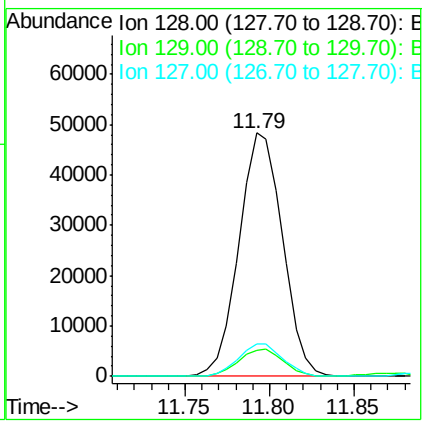


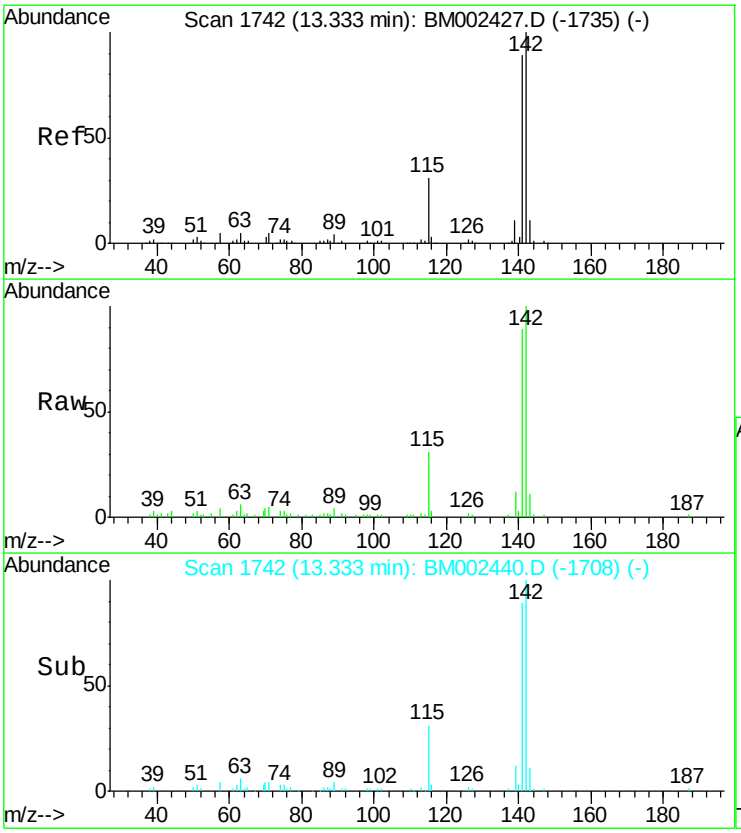

#3
Naphthalene
Concen: 1.86 ng/ul
RT: 11.79 min Scan# 1480
Delta R.T. 0.00 min
Lab File: BM002440.D
Acq: 16 Aug 2015 00:29

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

Tgt Ion:128 Resp: 86593

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.5 | 8.6 | 12.8 |
| 127 | 13.1 | 10.4 | 15.6 |

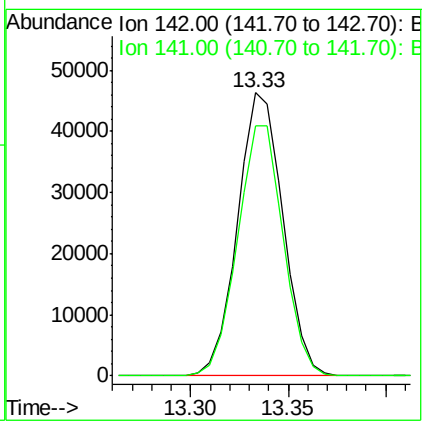


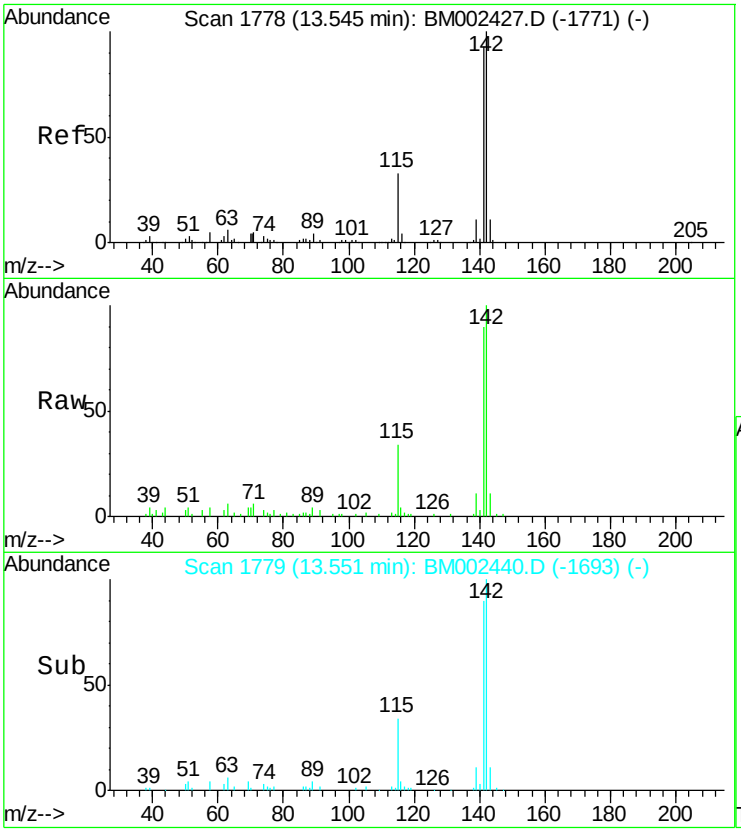




#4
2-Methylnaphthalene
Concen: 2.13 ng/ul
RT: 13.33 min Scan# 1742
Delta R.T. 0.00 min
Lab File: BM002440.D
Acq: 16 Aug 2015 00:29

Tgt Ion:142 Resp: 74499

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.6 | 72.2 | 108.2 |



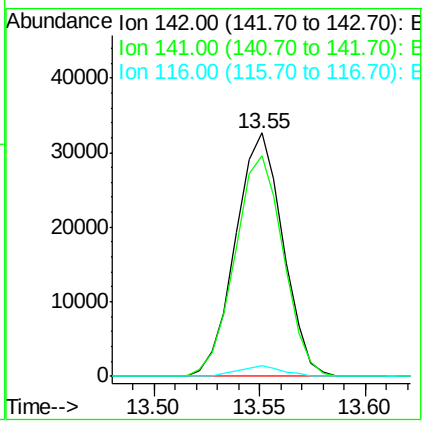


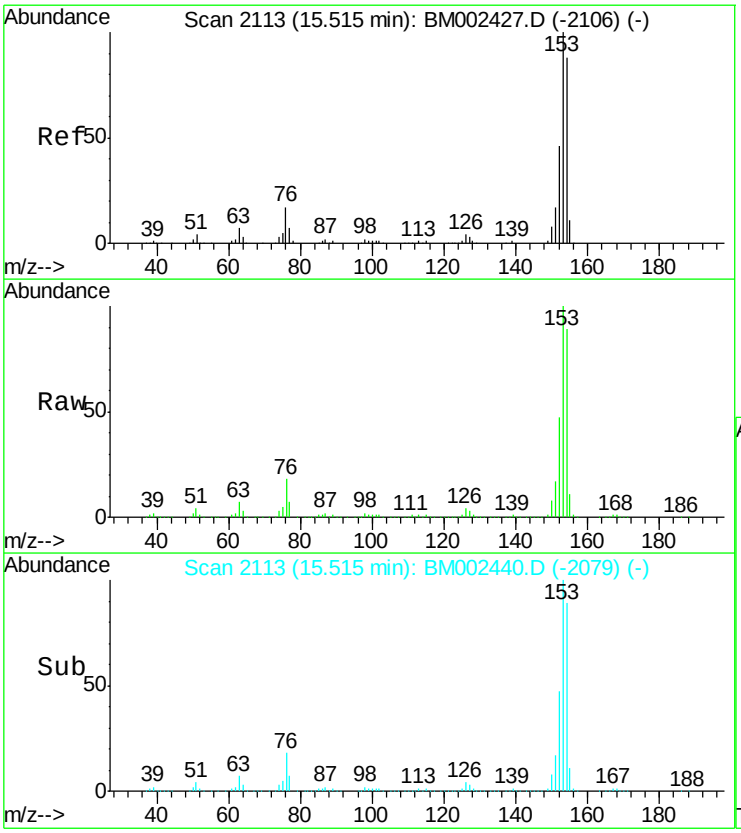

#5
1-Methylnaphthalene
Concen: 1.47 ng/ul
RT: 13.55 min Scan# 1779
Delta R.T. 0.01 min
Lab File: BM002440.D
Acq: 16 Aug 2015 00:29

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

Tgt Ion:142 Resp: 50936

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.4 | 73.9 | 110.9 |
| 116 | 4.2 | 3.0 | 4.4 |

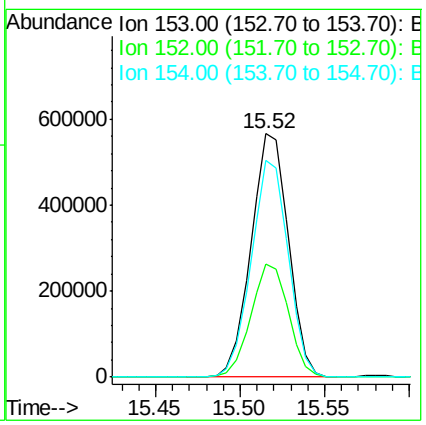


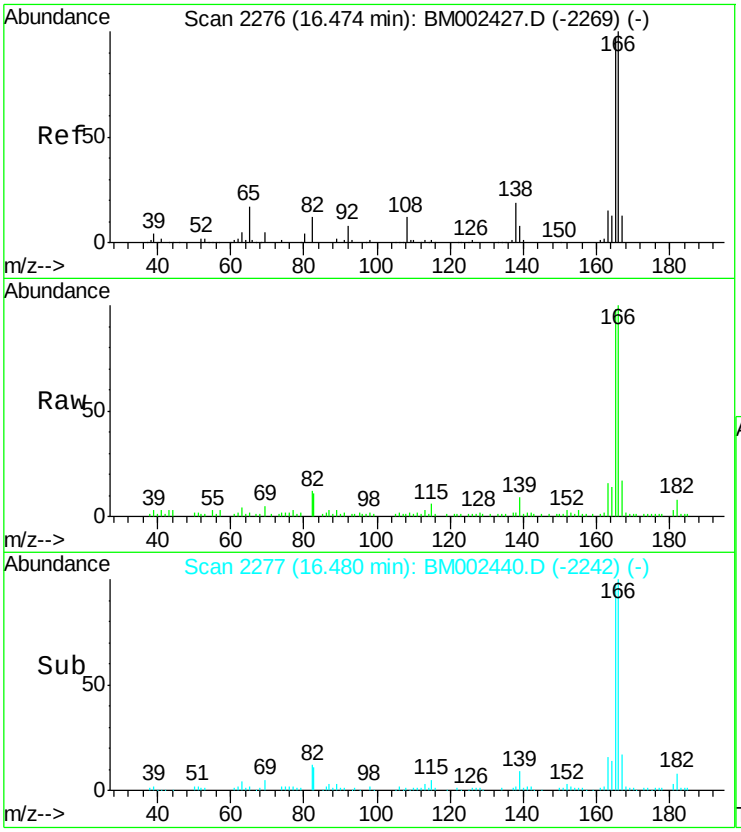




#9
Acenaphthene
Concen: 26.81 ng/ul
RT: 15.52 min Scan# 2113
Delta R.T. 0.00 min
Lab File: BM002440.D
Acq: 16 Aug 2015 00:29

Tgt Ion:153 Resp: 870968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 46.5 | 36.9 | 55.3 |
| 154 | 88.8 | 71.3 | 106.9 |



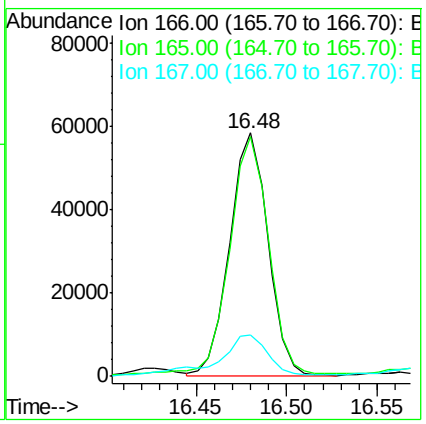


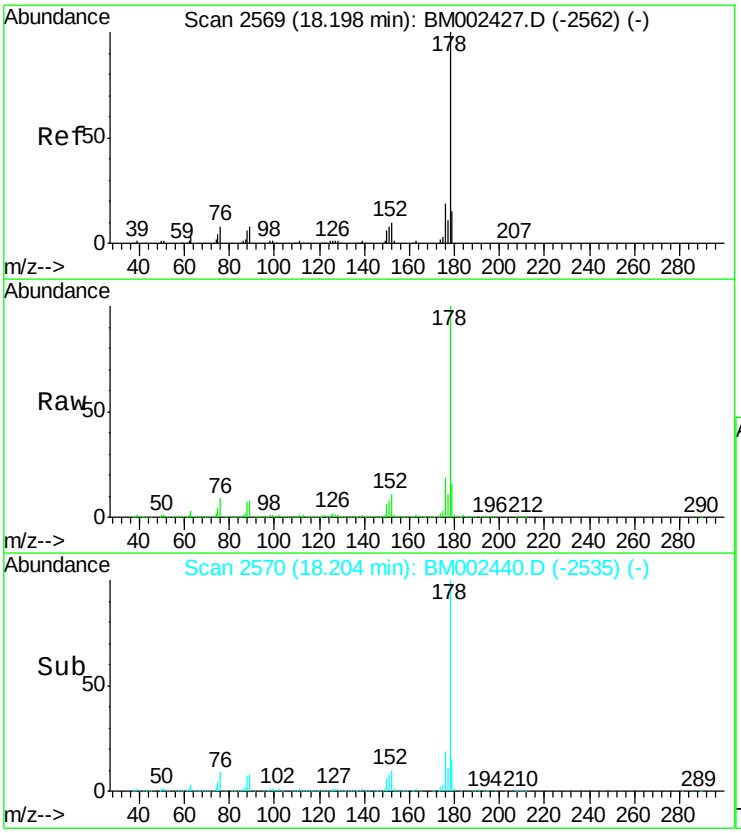

#11
Fluorene
Concen: 2.31 ng/ul
RT: 16.48 min Scan# 2277
Delta R.T. 0.01 min
Lab File: BM002440.D
Acq: 16 Aug 2015 00:29

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

Tgt Ion:166 Resp: 86100

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.4 | 77.6 | 116.4 |
| 167 | 17.2 | 10.7 | 16.1# |

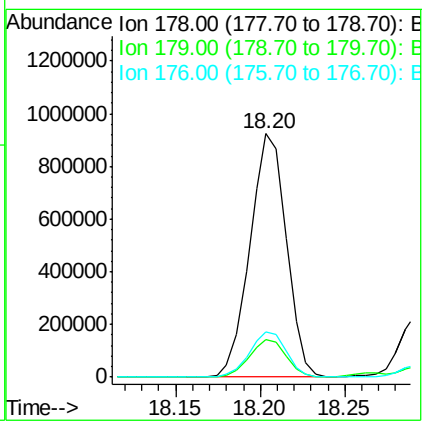


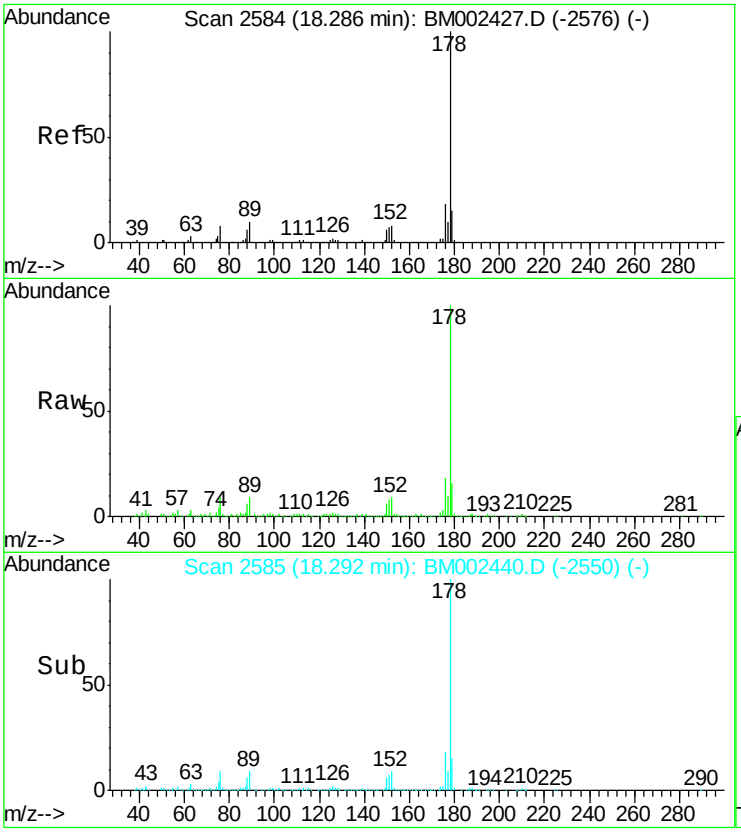




#13
Phenanthrene
Concen: 26.54 ng/ul
RT: 18.20 min Scan# 2570
Delta R.T. 0.01 min
Lab File: BM002440.D
Acq: 16 Aug 2015 00:29

Tgt Ion:178 Resp: 1384181

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.5 | 12.4 | 18.6 |
| 176 | 18.7 | 15.1 | 22.7 |



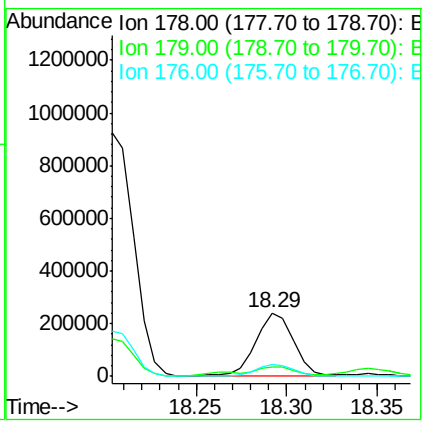


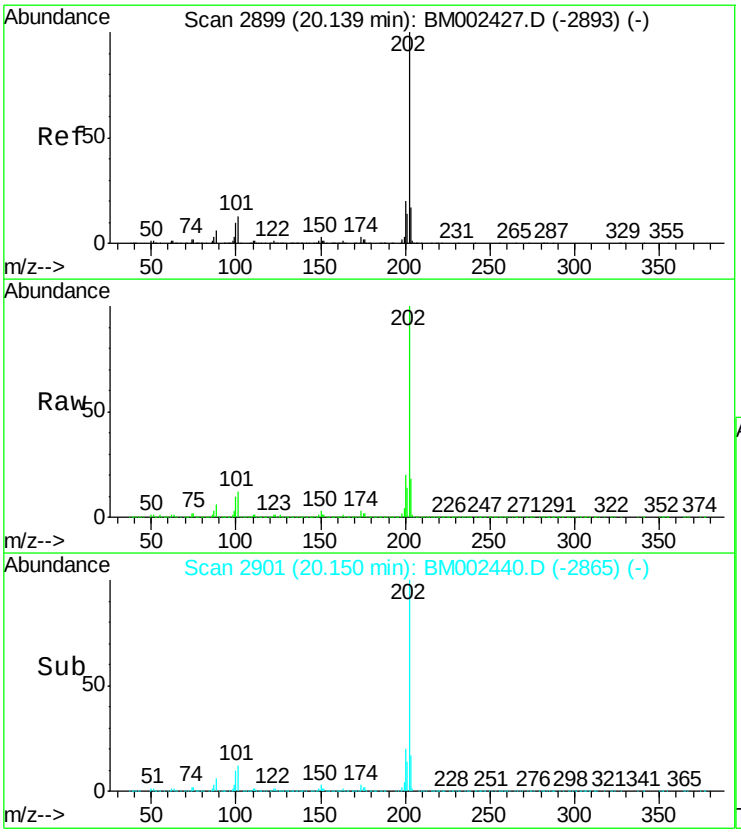

#15
Anthracene
Concen: 6.61 ng/ul
RT: 18.29 min Scan# 2585
Delta R.T. 0.01 min
Lab File: BM002440.D
Acq: 16 Aug 2015 00:29

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

Tgt Ion:178 Resp: 349535

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.6 | 12.6 | 18.8 |
| 176 | 18.1 | 14.5 | 21.7 |

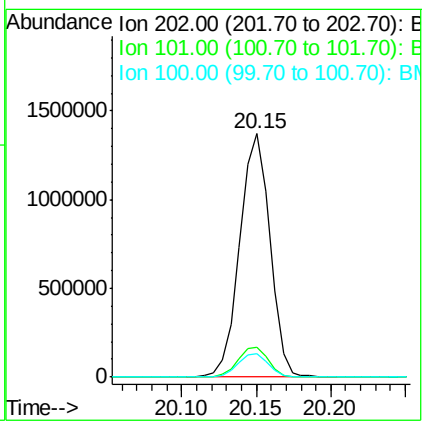


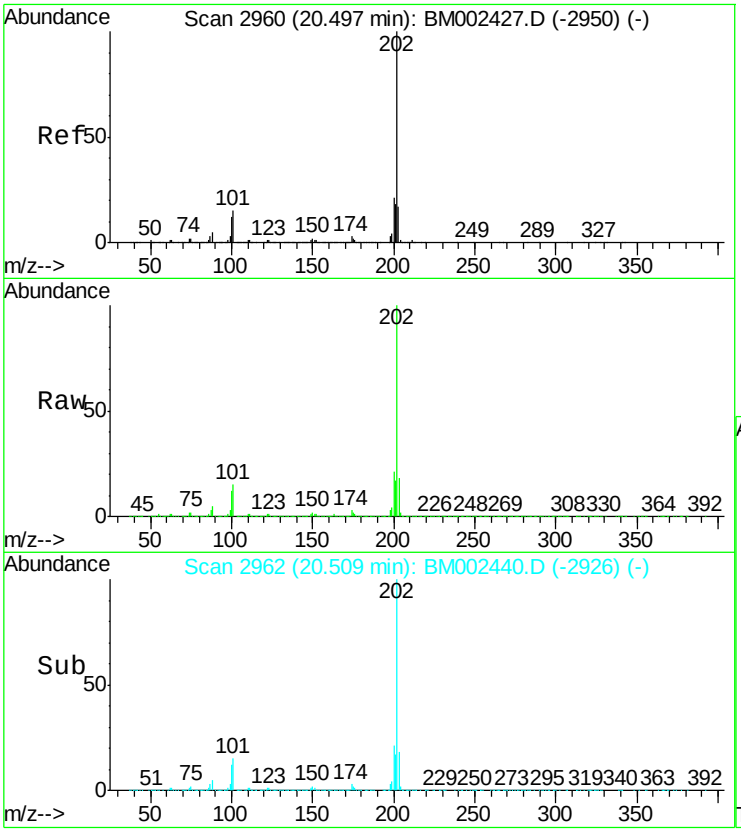




#16
Fluoranthene
Concen: 32.45 ng/ul
RT: 20.15 min Scan# 2901
Delta R.T. 0.01 min
Lab File: BM002440.D
Acq: 16 Aug 2015 00:29

Tgt Ion:202 Resp: 1916115

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.3 | 9.7 | 14.5 |
| 100 | 9.6 | 7.4 | 11.2 |



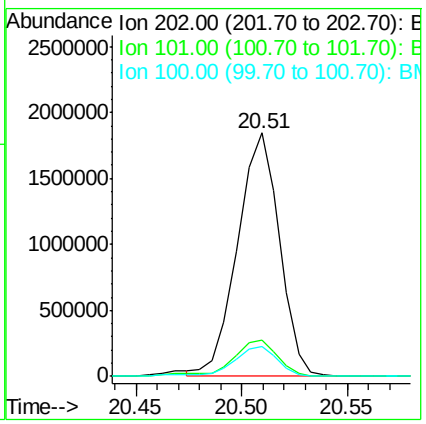


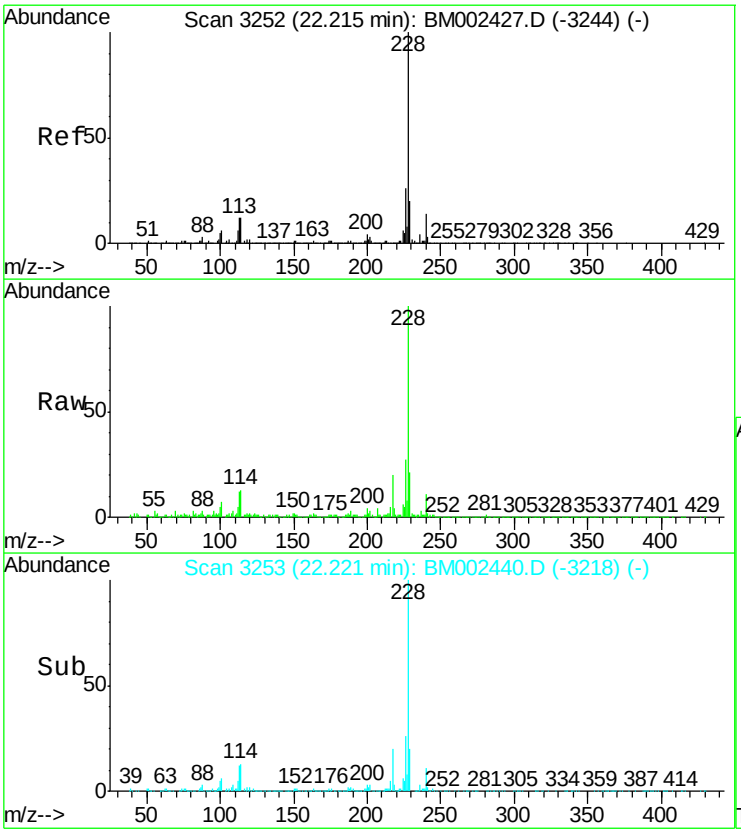

#19
Pyrene
Concen: 70.31 ng/ul
RT: 20.51 min Scan# 2962
Delta R.T. 0.01 min
Lab File: BM002440.D
Acq: 16 Aug 2015 00:29

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

Tgt Ion:202 Resp: 2519696

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 14.9 | 12.0 | 18.0 |
| 100 | 12.2 | 9.7 | 14.5 |

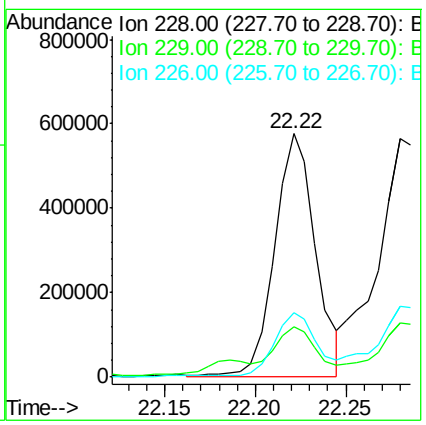


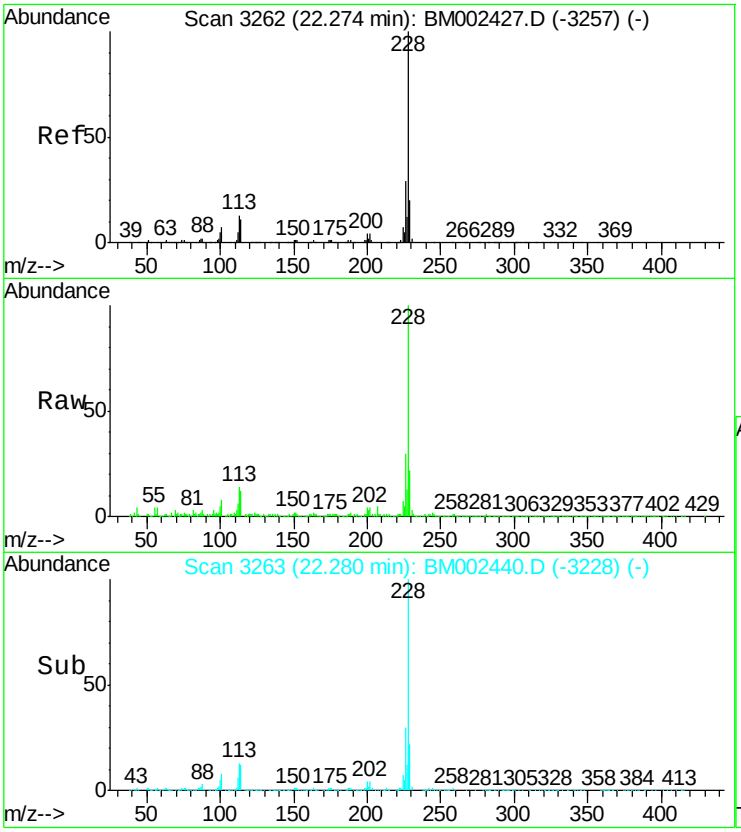




#20
Benzo(a)anthracene
Concen: 24.52 ng/ul
RT: 22.22 min Scan# 3253
Delta R.T. 0.01 min
Lab File: BM002440.D
Acq: 16 Aug 2015 00:29

Tgt Ion:228 Resp: 896941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 20.7 | 15.8 | 23.6 |
| 226 | 26.6 | 21.1 | 31.7 |



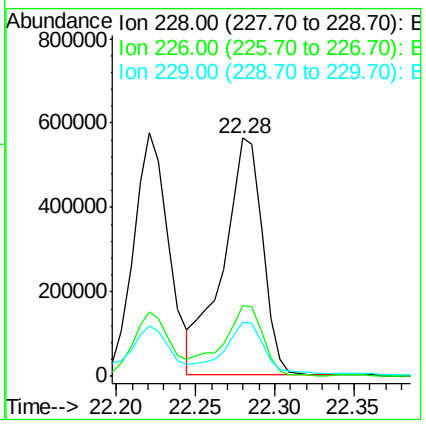


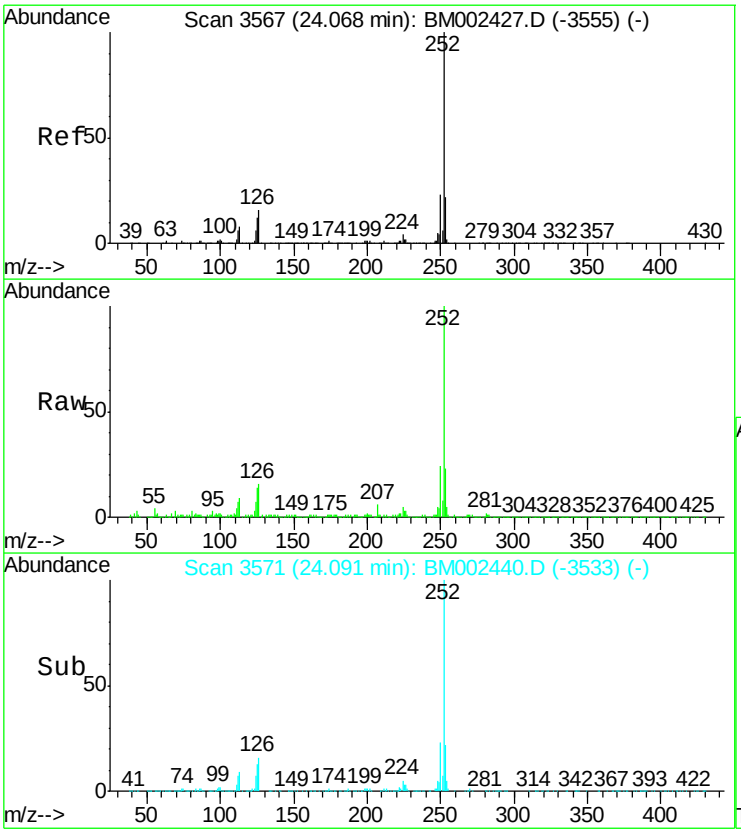

#21
Chrysene
Concen: 28.53 ng/ul
RT: 22.28 min Scan# 3263
Delta R.T. 0.01 min
Lab File: BM002440.D
Acq: 16 Aug 2015 00:29

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

Tgt Ion:228 Resp: 975960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.8 | 23.4 | 35.2 |
| 229 | 22.5 | 15.7 | 23.5 |

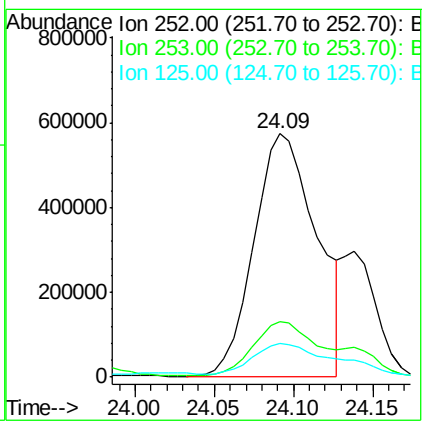


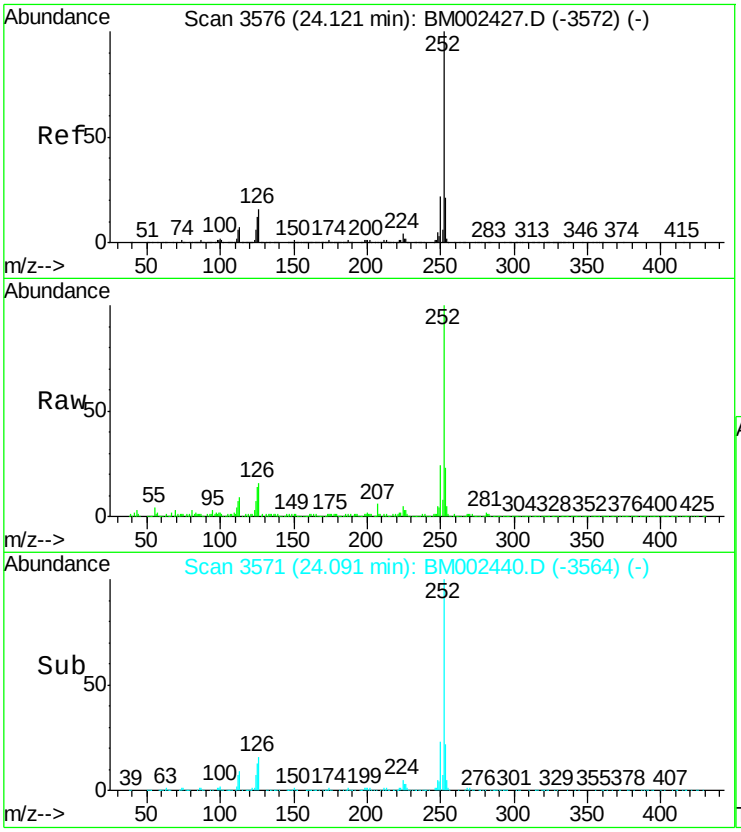




#23
Benzo(b)fluoranthene
Concen: 44.99 ng/ul
RT: 24.09 min Scan# 3571
Delta R.T. 0.02 min
Lab File: BM002440.D
Acq: 16 Aug 2015 00:29

Tgt Ion:252 Resp: 1571807

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.8 | 17.4 | 26.0 |
| 125 | 13.8 | 10.0 | 15.0 |



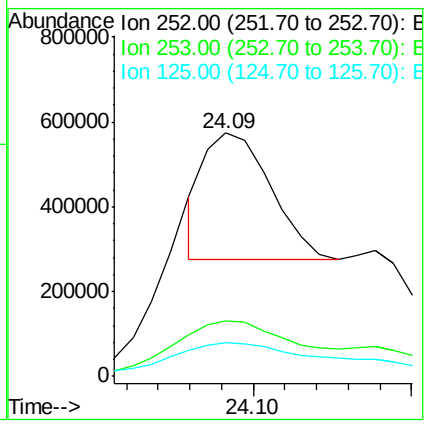


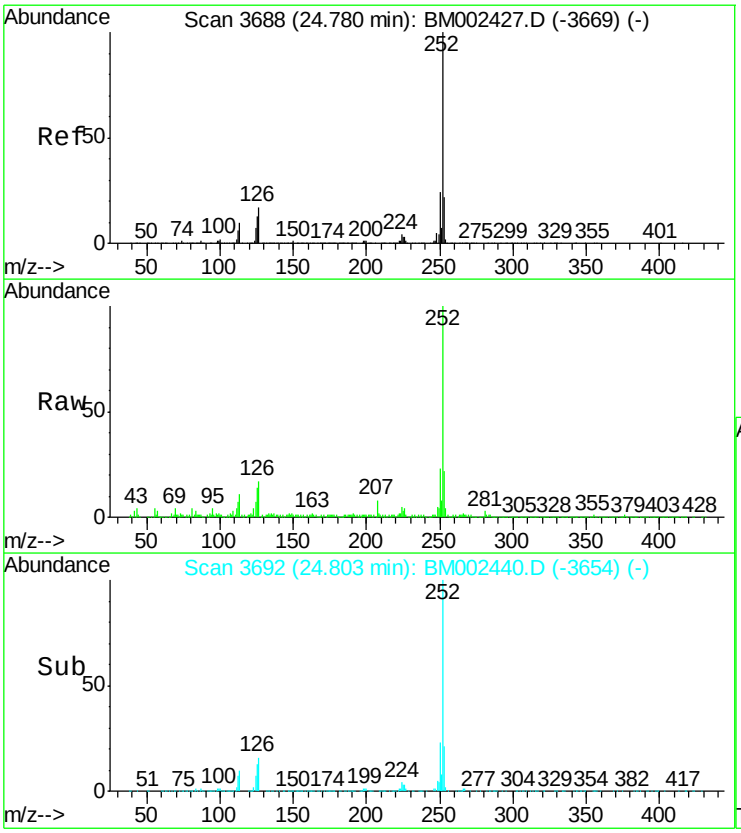

#24
Benzo(k)fluoranthene
Concen: 13.09 ng/ul
RT: 24.09 min Scan# 3571
Delta R.T. -0.03 min
Lab File: BM002440.D
Acq: 16 Aug 2015 00:29

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

Tgt Ion:252 Resp: 433247

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.8 | 17.8 | 26.6 |
| 125 | 13.8 | 9.8 | 14.8 |

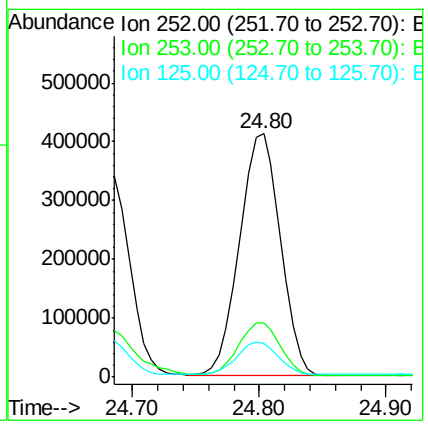


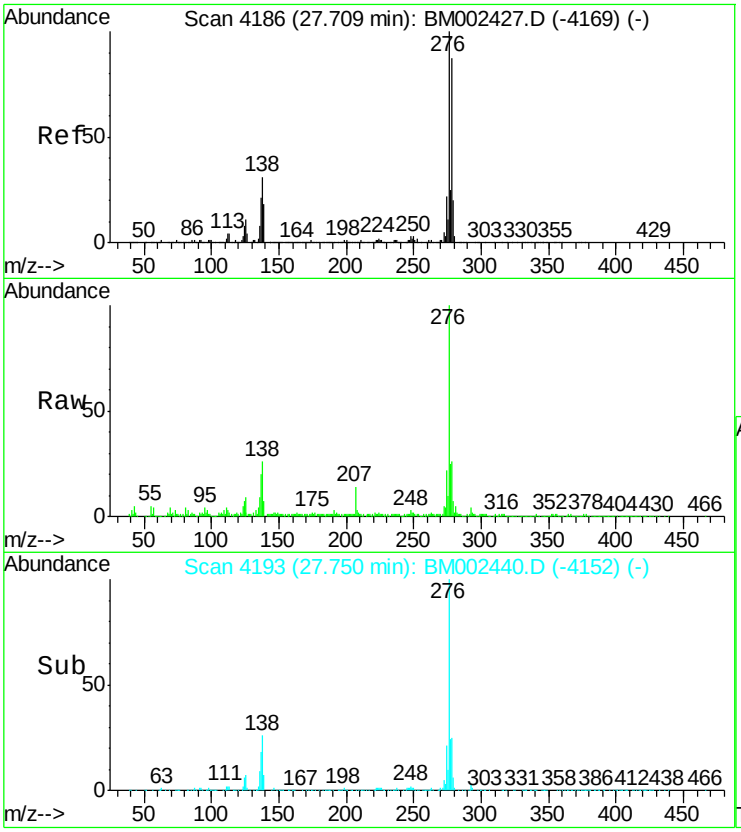




#26
Benzo(a)pyrene
Concen: 27.74 ng/ul
RT: 24.80 min Scan# 3692
Delta R.T. 0.02 min
Lab File: BM002440.D
Acq: 16 Aug 2015 00:29

Tgt Ion:252 Resp: 925552

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.4 | 17.6 | 26.4 |
| 125 | 13.9 | 10.7 | 16.1 |



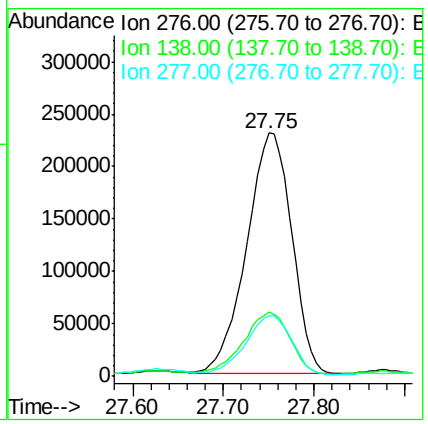


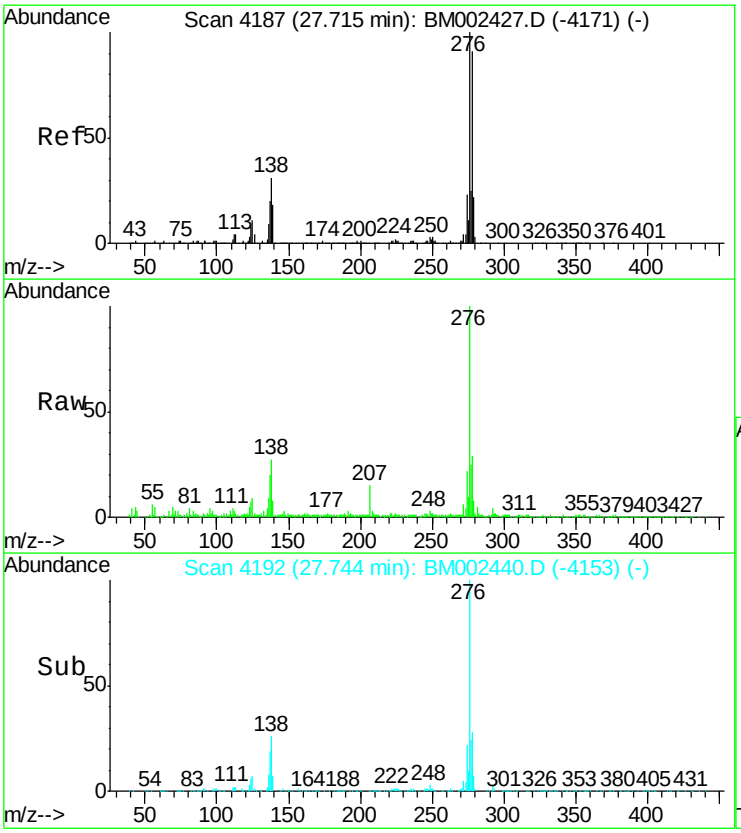

#27
Indeno(1,2,3-cd)pyrene
Concen: 20.75 ng/ul
RT: 27.75 min Scan# 4193
Delta R.T. 0.04 min
Lab File: BM002440.D
Acq: 16 Aug 2015 00:29

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

Tgt Ion:276 Resp: 796185

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 26.3 | 25.3 | 37.9 |
| 277 | 24.8 | 20.2 | 30.2 |

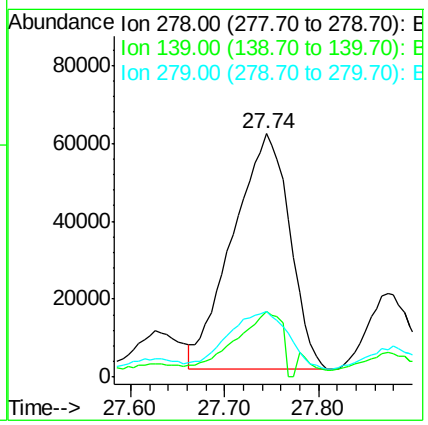


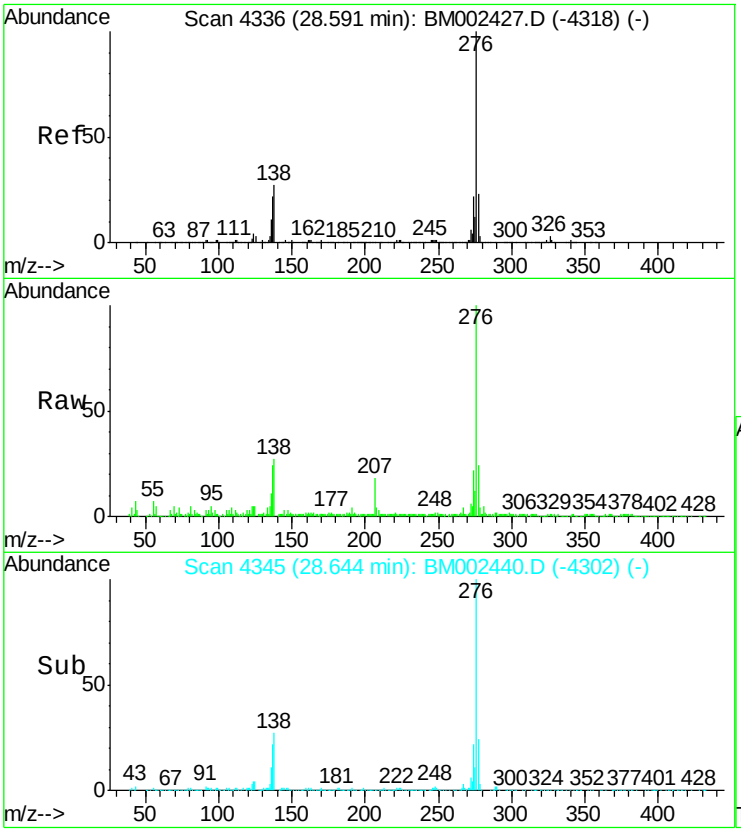




#28
Dibenzo(a,h)anthracene
Concen: 7.92 ng/ul
RT: 27.74 min Scan# 4192
Delta R.T. 0.03 min
Lab File: BM002440.D
Acq: 16 Aug 2015 00:29

Tgt Ion:278 Resp: 254079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 27.0 | 16.5 | 24.7# |
| 279 | 26.8 | 18.8 | 28.2 |






#29
Benzo(g,h,i)perylene
Concen: 22.95 ng/ul
RT: 28.64 min Scan# 4345
Delta R.T. 0.05 min
Lab File: BM002440.D
Acq: 16 Aug 2015 00:29

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

Tgt Ion:276 Resp: 733065

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 27.2 | 21.0 | 31.6 |
| 277 | 24.5 | 19.2 | 28.8 |