Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081315\
Data File : BM002392.D
Acq On : 13 Aug 2015 11:12
Operator : UM/IZ
Sample : G3194-11
Misc :
ALS Vial : 37 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** D9D92

Quant Time: Aug 14 02:02:44 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080715MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 14 02:01:37 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.90 | 152 | 241133 | 20.00 | ng/ul | 0.00 |
| 2) Naphthalene-d8 | 11.77 | 136 | 1087373 | 20.00 | ng/ul | 0.00 |
| 6) Acenaphthene-d10 | 15.49 | 164 | 545998 | 20.00 | ng/ul | 0.00 |
| 12) Phenanthrene-d10 | 18.20 | 188 | 970406 | 20.00 | ng/ul | 0.00 |
| 17) Chrysene-d12 | 22.29 | 240 | 674918 | 20.00 | ng/ul | 0.00 |
| 22) Perylene-d12 | 24.99 | 264 | 652513 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 7) Acenaphthylene-d8 | 15.19 | 160 | 1078060 | 19.06 | ng/ul | 0.00 |
| 10) Fluorene-d10 | 16.46 | 176 | 699828 | 17.79 | ng/ul | 0.00 |
| 14) Anthracene-d10 | 18.29 | 188 | 895680 | 19.02 | ng/ul | 0.00 |
| 18) Pyrene-d10 | 20.52 | 212 | 726200 | 22.19 | ng/ul | 0.00 |
| 25) Benzo(a)pyrene-d12 | 24.81 | 264 | 551513 | 15.92 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 3) Naphthalene | 11.82 | 128 | 89321 | 1.56 | ng/ul | 99 |
| 4) 2-Methylnaphthalene | 13.36 | 142 | 51861 | 1.27 | ng/ul | 97 |
| 9) Acenaphthene | 15.55 | 153 | 53868 | 1.36 | ng/ul | 95 |
| 11) Fluorene | 16.51 | 166 | 48164 | 1.08 | ng/ul# | 97 |
| 13) Phenanthrene | 18.24 | 178 | 640312 | 11.46 | ng/ul | 99 |
| 15) Anthracene | 18.33 | 178 | 104871 | 1.82 | ng/ul | 100 |
| 16) Fluoranthene | 20.19 | 202 | 689791 | 11.15 | ng/ul | 97 |
| 19) Pyrene | 20.54 | 202 | 506284 | 11.60 | ng/ul | 97 |
| 20) Benzo(a)anthracene | 22.27 | 228 | 244822 | 5.94 | ng/ul | 99 |
| 21) Chrysene | 22.33 | 228 | 247307 | 6.33 | ng/ul | 97 |
| 23) Benzo(b)fluoranthene | 24.15 | 252 | 320774 | 7.91 | ng/ul | 96 |
| 26) Benzo(a)pyrene | 24.87 | 252 | 207739 | 5.35 | ng/ul | 97 |
| 27) Indeno(1,2,3-cd)pyrene | 27.83 | 276 | 153131 | 3.44 | ng/ul | 94 |
| 29) Benzo(g,h,i)perylene | 28.72 | 276 | 141030 | 3.76 | ng/ul | 96 |

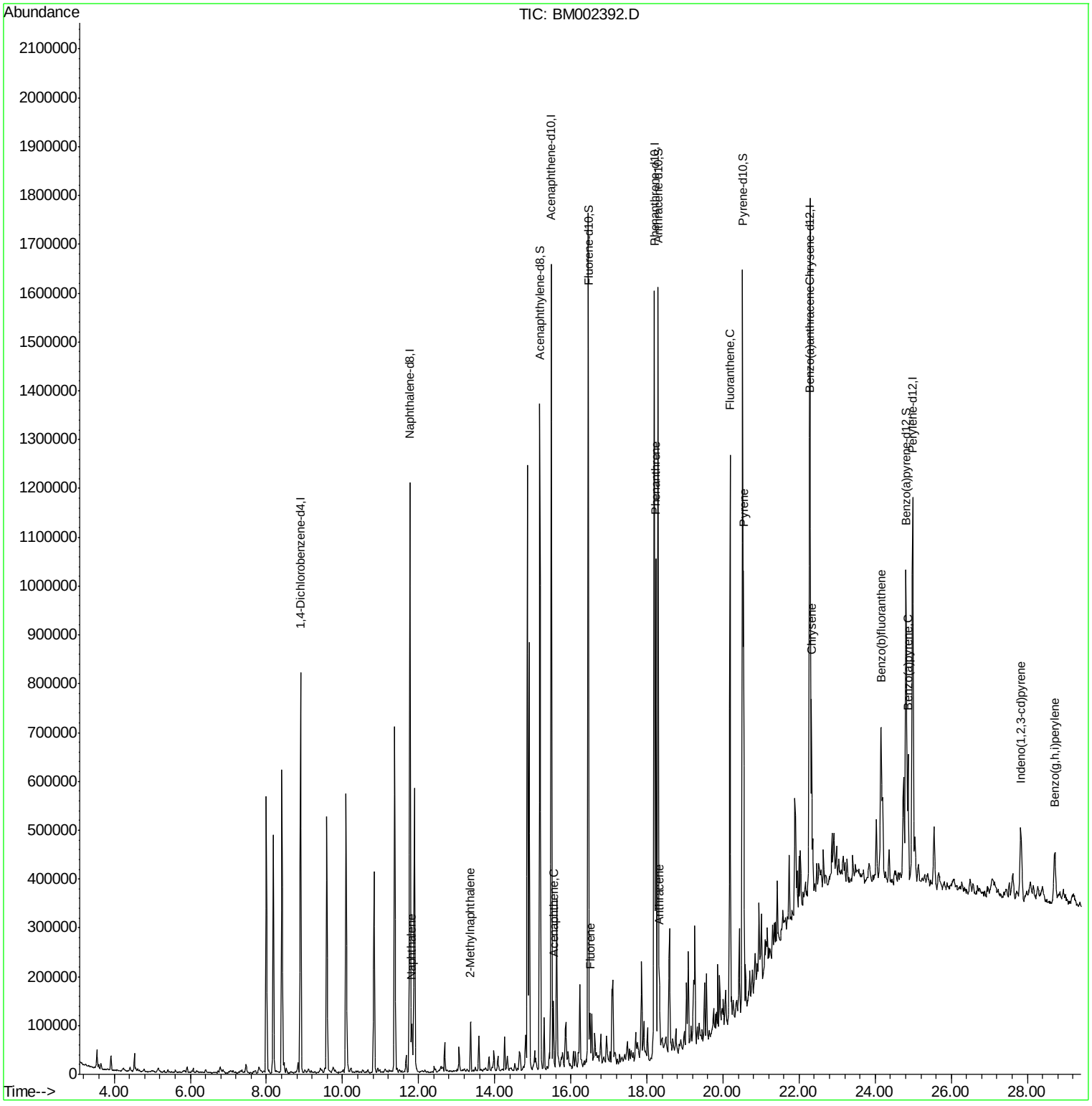
(#) = qualifier out of range (m) = manual integration (+) = signals summed

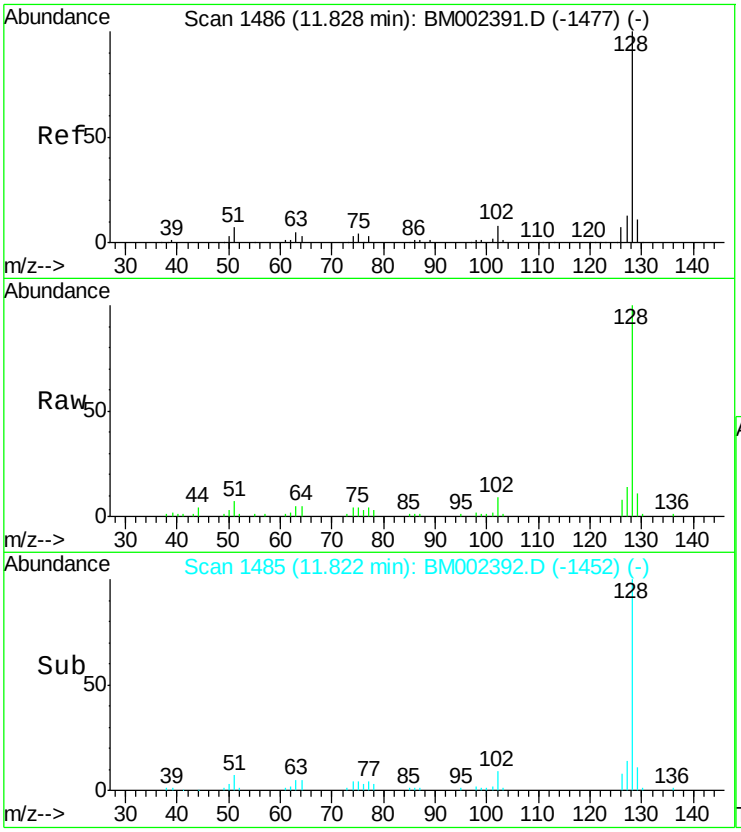
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081315\
Data File : BM002392.D
Acq On : 13 Aug 2015 11:12
Operator : UM/IZ
Sample : G3194-11
Misc :
ALS Vial : 37 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
D9D92

Quant Time: Aug 14 02:02:44 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080715MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 14 02:01:37 2015
Response via : Initial Calibration



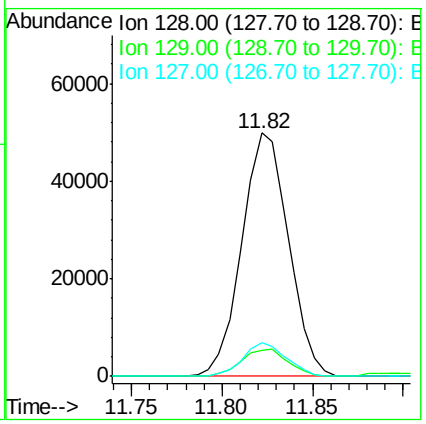


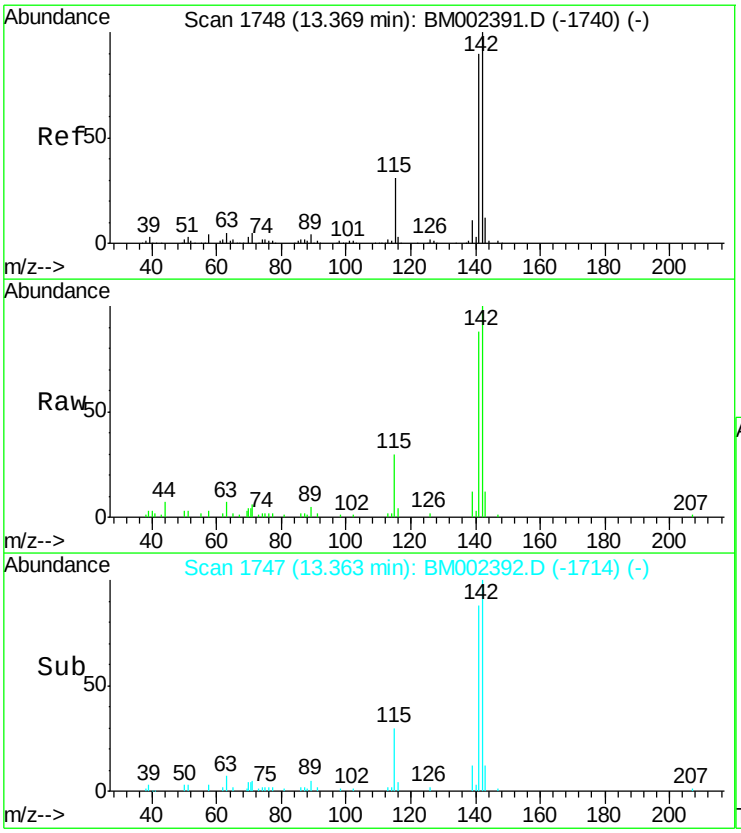

#3
Naphthalene
Concen: 1.56 ng/ul
RT: 11.82 min Scan# 1485
Delta R.T. -0.01 min
Lab File: BM002392.D
Acq: 13 Aug 2015 11:12

**Instrument :**
BNA_M
**ClientSampleId :**
D9D92

Tgt Ion:128 Resp: 89321

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.8 | 8.6 | 12.8 |
| 127 | 13.8 | 10.4 | 15.6 |

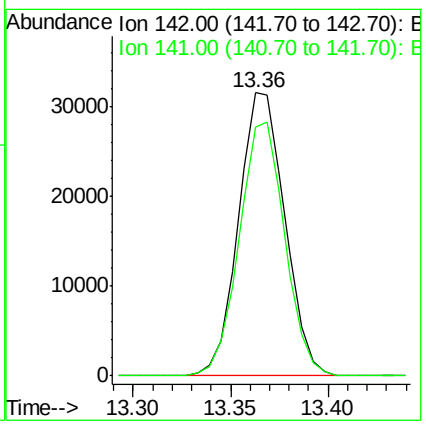


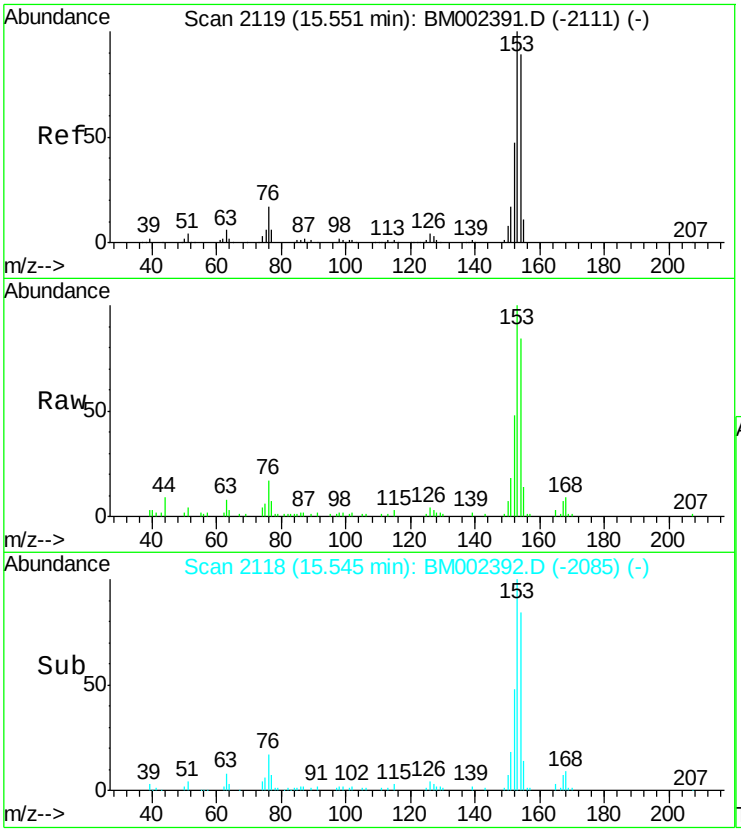




#4
2-Methylnaphthalene
Concen: 1.27 ng/ul
RT: 13.36 min Scan# 1747
Delta R.T. -0.01 min
Lab File: BM002392.D
Acq: 13 Aug 2015 11:12

Tgt Ion:142 Resp: 51861

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 87.7 | 72.5 | 108.7 |



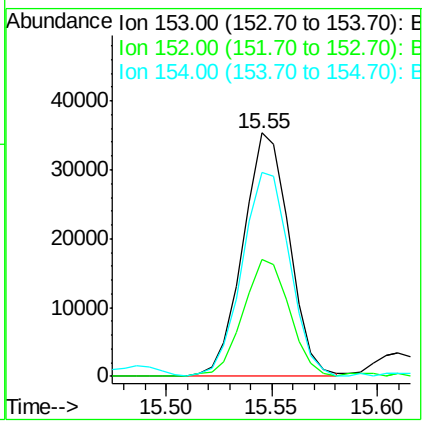


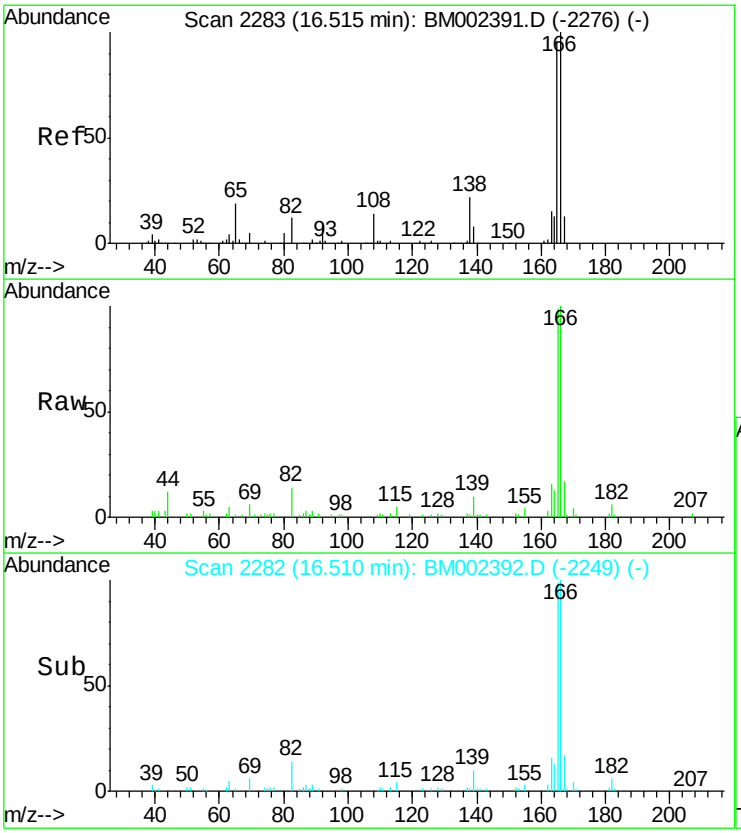

#9
Acenaphthene
Concen: 1.36 ng/ul
RT: 15.55 min Scan# 2118
Delta R.T. -0.01 min
Lab File: BM002392.D
Acq: 13 Aug 2015 11:12

**Instrument :**
BNA_M
**ClientSampleId :**
D9D92

Tgt Ion:153 Resp: 53868

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 48.2 | 36.6 | 55.0 |
| 154 | 83.9 | 71.5 | 107.3 |

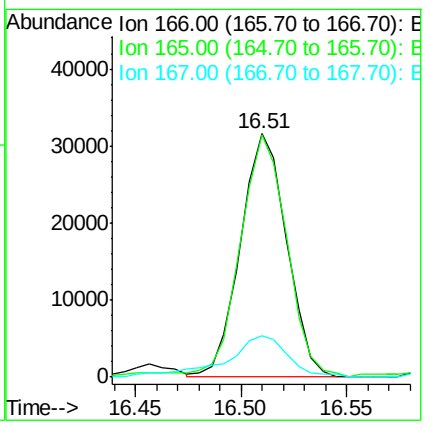


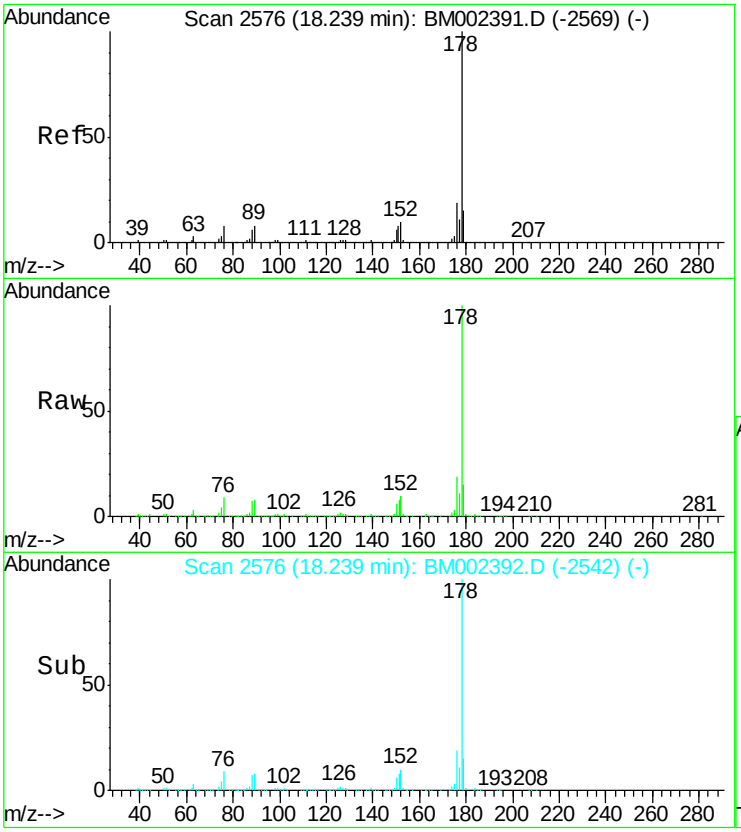




#11
Fluorene
Concen: 1.08 ng/ul
RT: 16.51 min Scan# 2282
Delta R.T. -0.01 min
Lab File: BM002392.D
Acq: 13 Aug 2015 11:12

Tgt Ion:166 Resp: 48164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 99.5 | 77.5 | 116.3 |
| 167 | 16.8 | 10.4 | 15.6# |



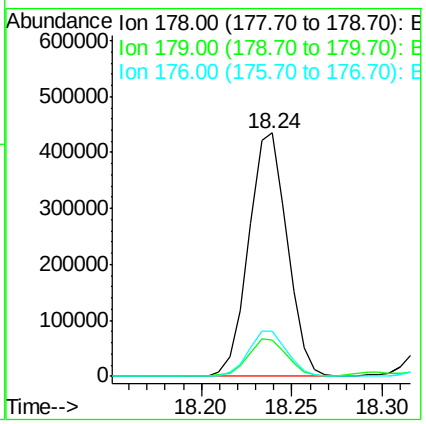


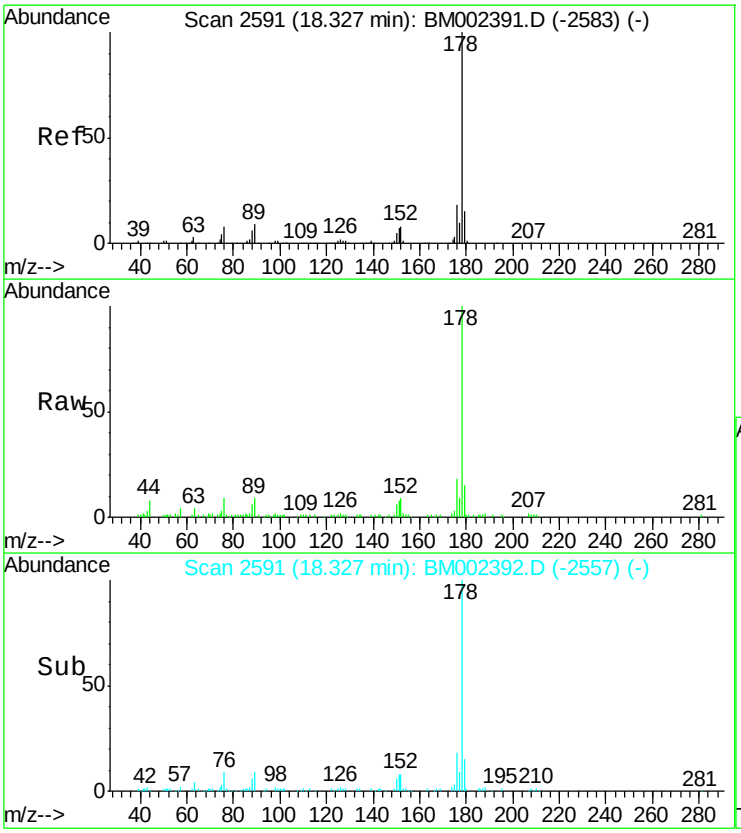

#13
Phenanthrene
Concen: 11.46 ng/ul
RT: 18.24 min Scan# 2576
Delta R.T. 0.00 min
Lab File: BM002392.D
Acq: 13 Aug 2015 11:12

**Instrument :**
BNA_M
**ClientSampleId :**
D9D92

Tgt Ion:178 Resp: 640312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.0 | 12.3 | 18.5 |
| 176 | 18.8 | 15.3 | 22.9 |

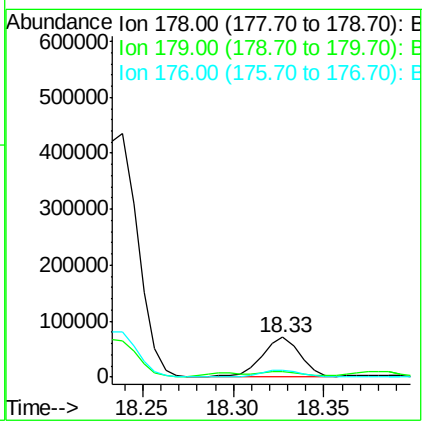


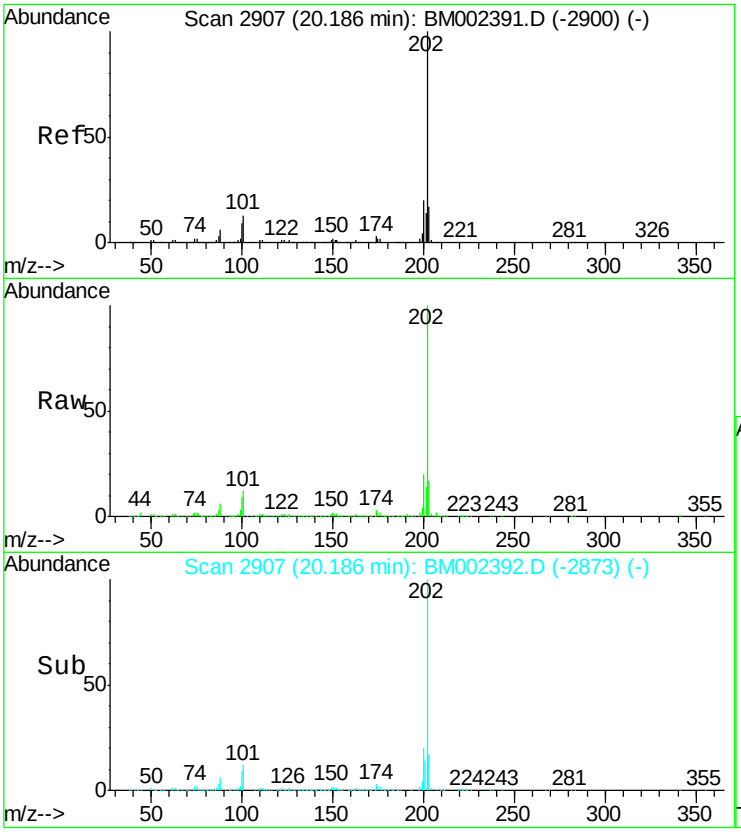




#15
Anthracene
Concen: 1.82 ng/ul
RT: 18.33 min Scan# 2591
Delta R.T. 0.00 min
Lab File: BM002392.D
Acq: 13 Aug 2015 11:12

Tgt Ion:178 Resp: 104871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.4 | 12.3 | 18.5 |
| 176 | 18.2 | 14.5 | 21.7 |



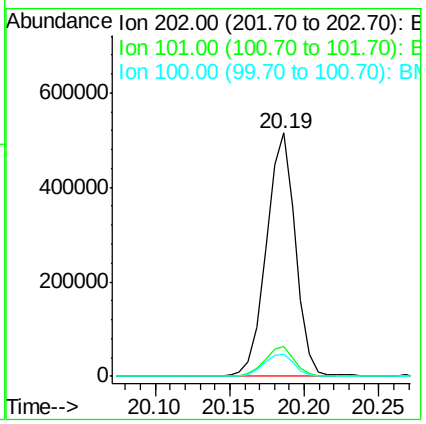


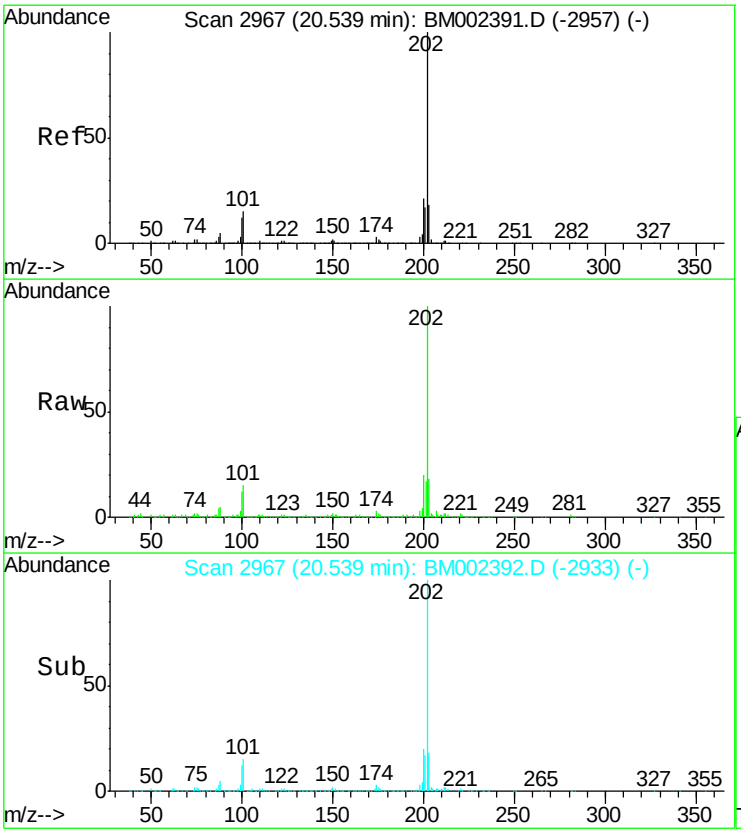

#16
Fluoranthene
Concen: 11.15 ng/ul
RT: 20.19 min Scan# 2907
Delta R.T. 0.00 min
Lab File: BM002392.D
Acq: 13 Aug 2015 11:12

**Instrument :**
BNA_M
**ClientSampleId :**
D9D92

Tgt Ion:202 Resp: 689791

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.2 | 10.6 | 15.8 |
| 100 | 9.1 | 8.2 | 12.4 |

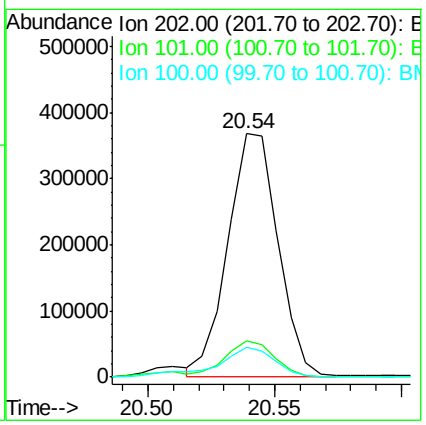


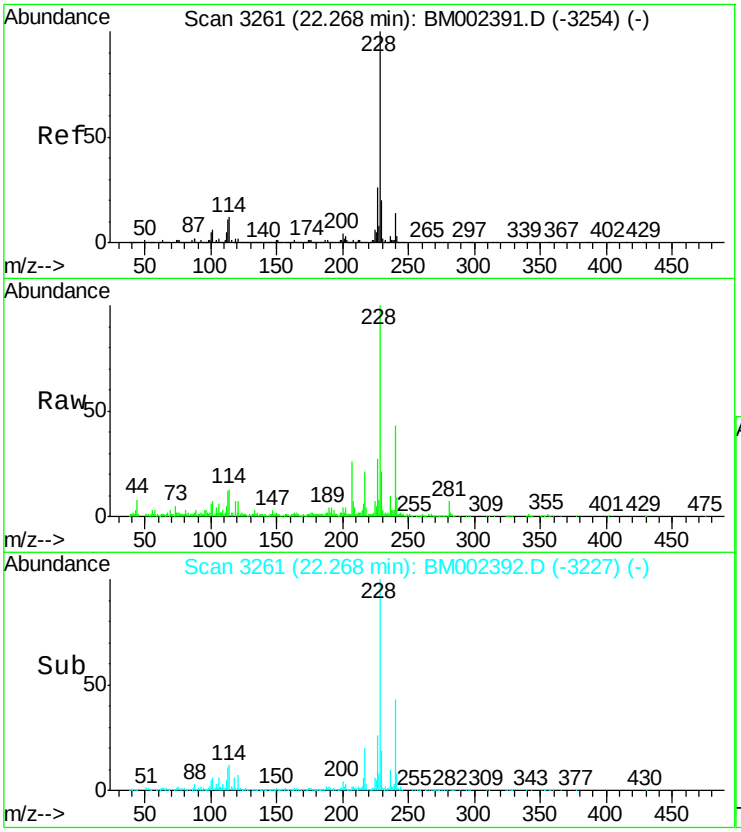




#19
Pyrene
Concen: 11.60 ng/ul
RT: 20.54 min Scan# 2967
Delta R.T. 0.00 min
Lab File: BM002392.D
Acq: 13 Aug 2015 11:12

Tgt Ion:202 Resp: 506284

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 15.1 | 13.0 | 19.6 |
| 100 | 12.2 | 11.0 | 16.4 |



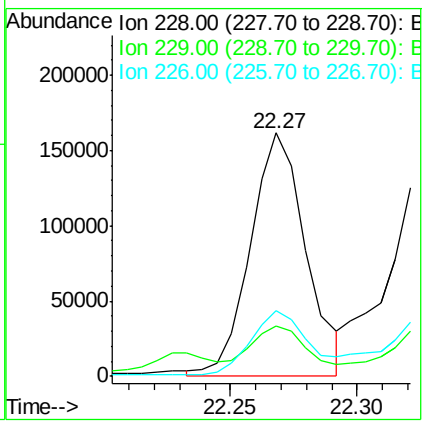


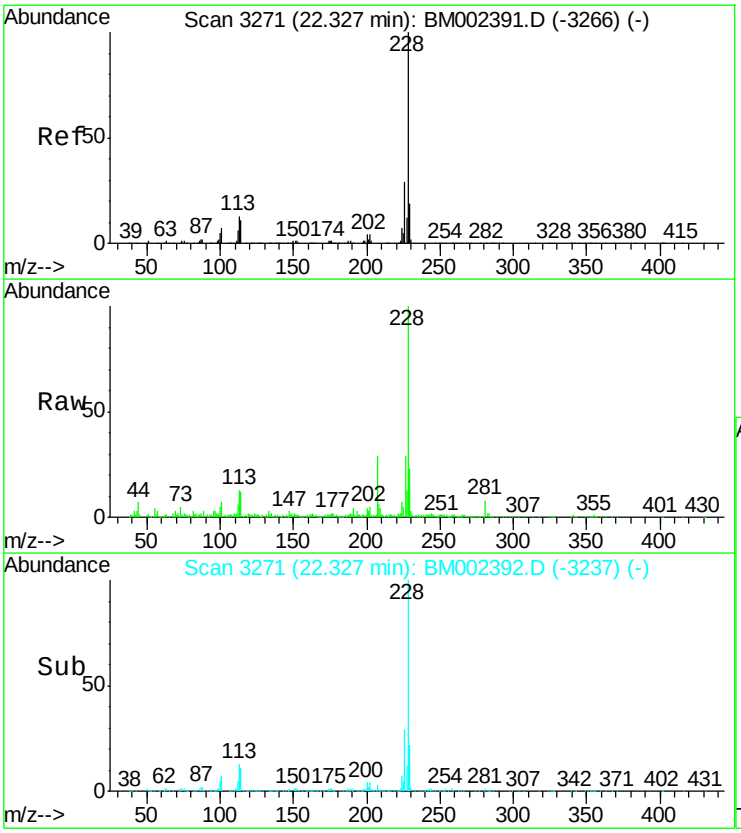

#20
Benzo(a)anthracene
Concen: 5.94 ng/ul
RT: 22.27 min Scan# 3261
Delta R.T. 0.00 min
Lab File: BM002392.D
Acq: 13 Aug 2015 11:12

**Instrument :**
BNA_M
**ClientSampleId :**
D9D92

Tgt Ion:228 Resp: 244822

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 20.5 | 15.7 | 23.5 |
| 226 | 26.9 | 21.4 | 32.0 |

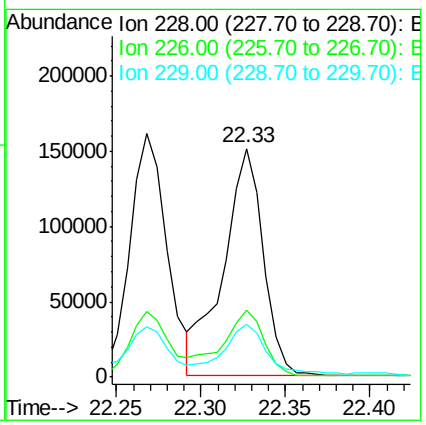


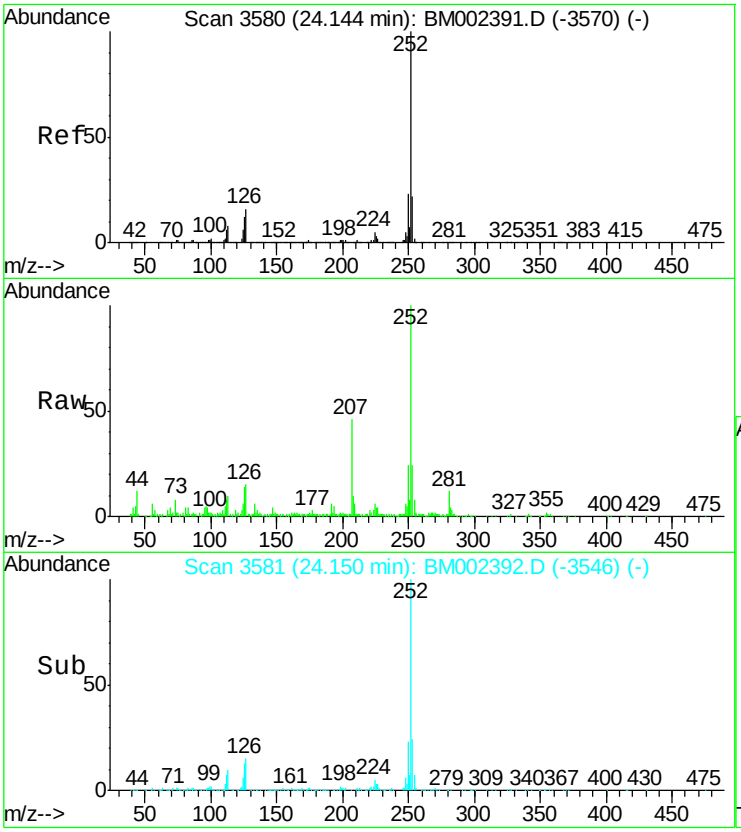




#21
Chrysene
Concen: 6.33 ng/ul
RT: 22.33 min Scan# 3271
Delta R.T. 0.00 min
Lab File: BM002392.D
Acq: 13 Aug 2015 11:12

Tgt Ion:228 Resp: 247307

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.2 | 23.4 | 35.0 |
| 229 | 23.1 | 15.5 | 23.3 |



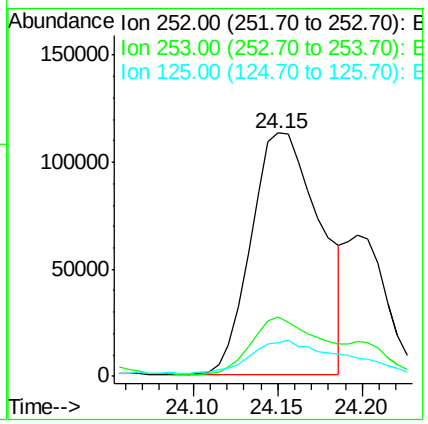


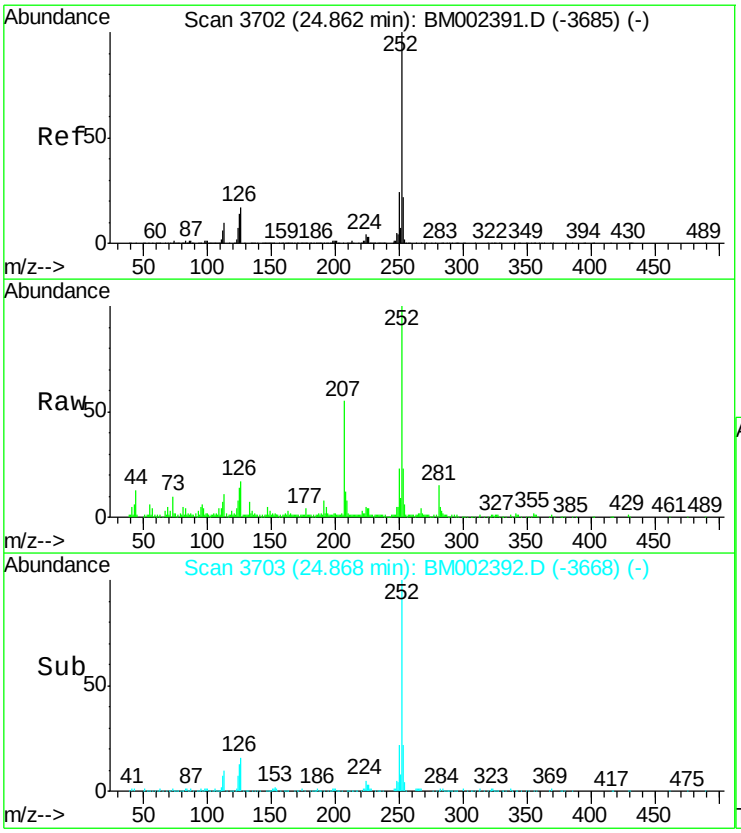

#23
Benzo(b)fluoranthene
Concen: 7.91 ng/ul
RT: 24.15 min Scan# 3581
Delta R.T. 0.01 min
Lab File: BM002392.D
Acq: 13 Aug 2015 11:12

**Instrument :**
BNA_M
**ClientSampleId :**
D9D92

Tgt Ion:252 Resp: 320774

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.4 | 17.9 | 26.9 |
| 125 | 13.9 | 10.3 | 15.5 |

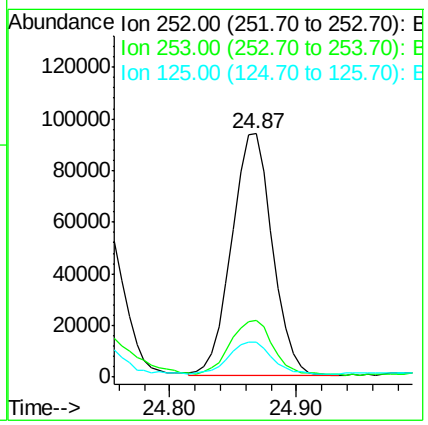


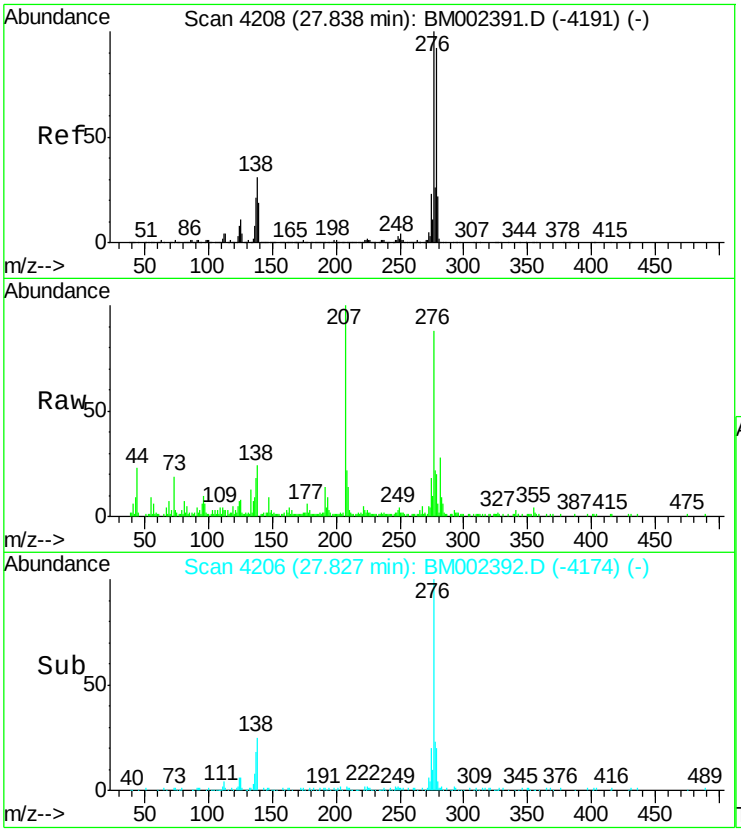




#26
Benzo(a)pyrene
Concen: 5.35 ng/ul
RT: 24.87 min Scan# 3703
Delta R.T. 0.01 min
Lab File: BM002392.D
Acq: 13 Aug 2015 11:12

Tgt Ion:252 Resp: 207739

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.5 | 17.3 | 25.9 |
| 125 | 14.1 | 11.0 | 16.6 |



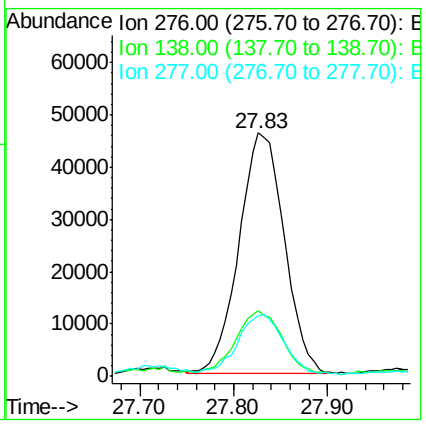


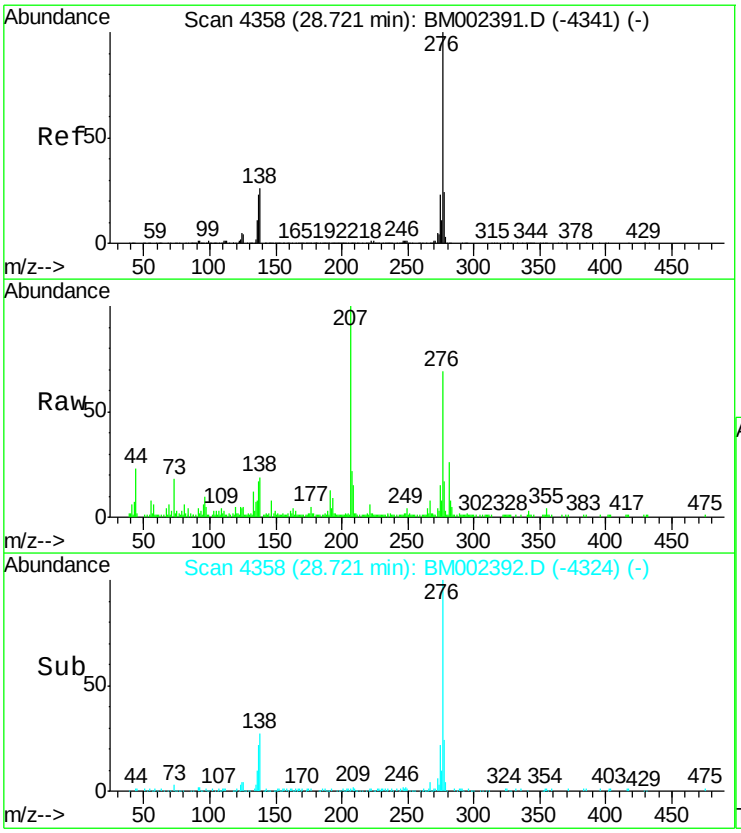

#27
Indeno(1,2,3-cd)pyrene
Concen: 3.44 ng/ul
RT: 27.83 min Scan# 4206
Delta R.T. -0.01 min
Lab File: BM002392.D
Acq: 13 Aug 2015 11:12

**Instrument :**
BNA_M
**ClientSampleId :**
D9D92

Tgt Ion:276 Resp: 153131

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 27.1 | 25.6 | 38.4 |
| 277 | 24.8 | 21.0 | 31.4 |




#29
Benzo(g,h,i)perylene
Concen: 3.76 ng/ul
RT: 28.72 min Scan# 4358
Delta R.T. 0.00 min
Lab File: BM002392.D
Acq: 13 Aug 2015 11:12

Tgt Ion:276 Resp: 141030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 28.3 | 20.5 | 30.7 |
| 277 | 24.9 | 19.0 | 28.6 |