Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081415\
Data File : BM002431.D
Acq On : 15 Aug 2015 19:01
Operator : UM/IZ
Sample : G3194-05
Misc :
ALS Vial : 37 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** D9D98

Quant Time: Aug 17 05:17:48 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 | 152336 | 20.00 | ng/ul | 0.00 |
| 2) Naphthalene-d8 | 11.75 | 136 | 739520 | 20.00 | ng/ul | 0.00 |
| 6) Acenaphthene-d10 | 15.45 | 164 | 391057 | 20.00 | ng/ul | 0.00 |
| 12) Phenanthrene-d10 | 18.17 | 188 | 722717 | 20.00 | ng/ul | 0.01 |
| 17) Chrysene-d12 | 22.26 | 240 | 433615 | 20.00 | ng/ul | 0.02 |
| 22) Perylene-d12 | 24.76 | 264 | 481704 | 20.00 | ng/ul | -0.14 |
| **System Monitoring Compounds** | | | | | | |
| 7) Acenaphthylene-d8 | 15.16 | 160 | 1194398 | 29.87 | ng/ul | 0.00 |
| 10) Fluorene-d10 | 16.43 | 176 | 769205 | 27.39 | ng/ul | 0.00 |
| 14) Anthracene-d10 | 18.27 | 188 | 998055 | 28.63 | ng/ul | 0.02 |
| 18) Pyrene-d10 | 20.49 | 212 | 667369 | 34.72 | ng/ul | 0.02 |
| 25) Benzo(a)pyrene-d12 | 24.59 | 264 | 179 | 0.01 | ng/ul | -0.14 |
| **Target Compounds** | | | | | | Qvalue |
| 3) Naphthalene | 11.80 | 128 | 1505256 | 39.88 | ng/ul | 100 |
| 4) 2-Methylnaphthalene | 13.34 | 142 | 482253 | 17.05 | ng/ul | 98 |
| 5) 1-Methylnaphthalene | 13.55 | 142 | 411921 | 14.73 | ng/ul | 100 |
| 8) Acenaphthylene | 15.19 | 152 | 208173 | 4.97 | ng/ul | 98 |
| 9) Acenaphthene | 15.52 | 153 | 1708229 | 61.97 | ng/ul | 99 |
| 11) Fluorene | 16.48 | 166 | 1727998 | 54.71 | ng/ul | 99 |
| 13) Phenanthrene | 18.24 | 178 | 17036676 | 408.23 | ng/ul# | 90 |
| 15) Anthracene | 18.31 | 178 | 4027566 | 95.23 | ng/ul | 98 |
| 16) Fluoranthene | 20.30 | 202 | 97334 | 2.06 | ng/ul | 97 |
| 19) Pyrene | 20.54 | 202 | 15713959 | 618.60 | ng/ul# | 94 |
| 20) Benzo(a)anthracene | 22.24 | 228 | 7287141 | 281.03 | ng/ul | 95 |
| 21) Chrysene | 22.24 | 228 | 7289951 | 300.58 | ng/ul | 98 |
| 24) Benzo(k)fluoranthene | 23.99 | 252 | 84217 | 3.05 | ng/ul# | 1 |
| 26) Benzo(a)pyrene | 24.71 | 252 | 5324705 | 191.43 | ng/ul# | 93 |
| 27) Indeno(1,2,3-cd)pyrene | 27.54 | 276 | 94957 | 2.97 | ng/ul# | 70 |
| 28) Dibenzo(a,h)anthracene | 27.50 | 278 | 198032 | 7.41 | ng/ul# | 83 |

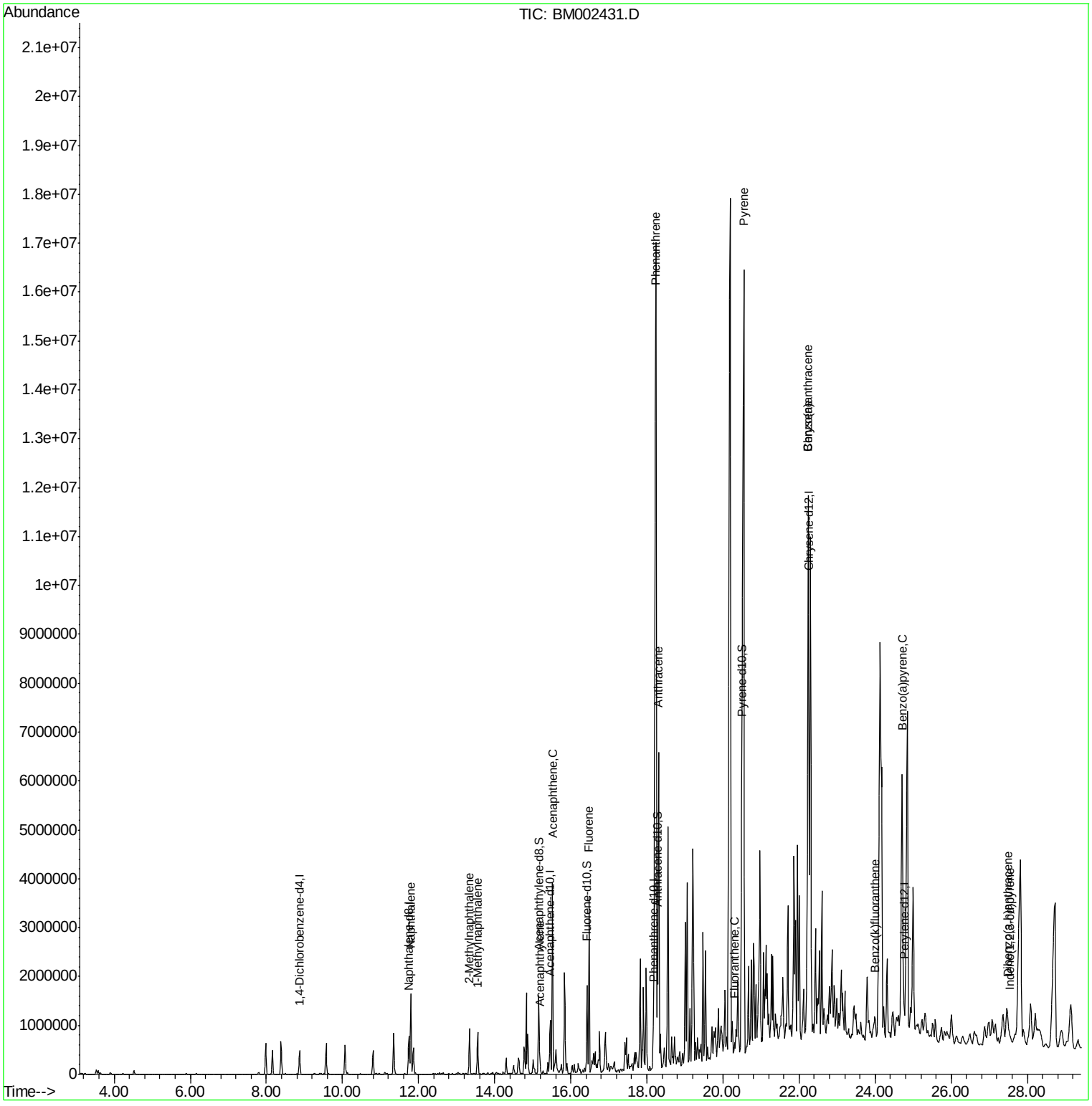
(#) = qualifier out of range (m) = manual integration (+) = signals summed

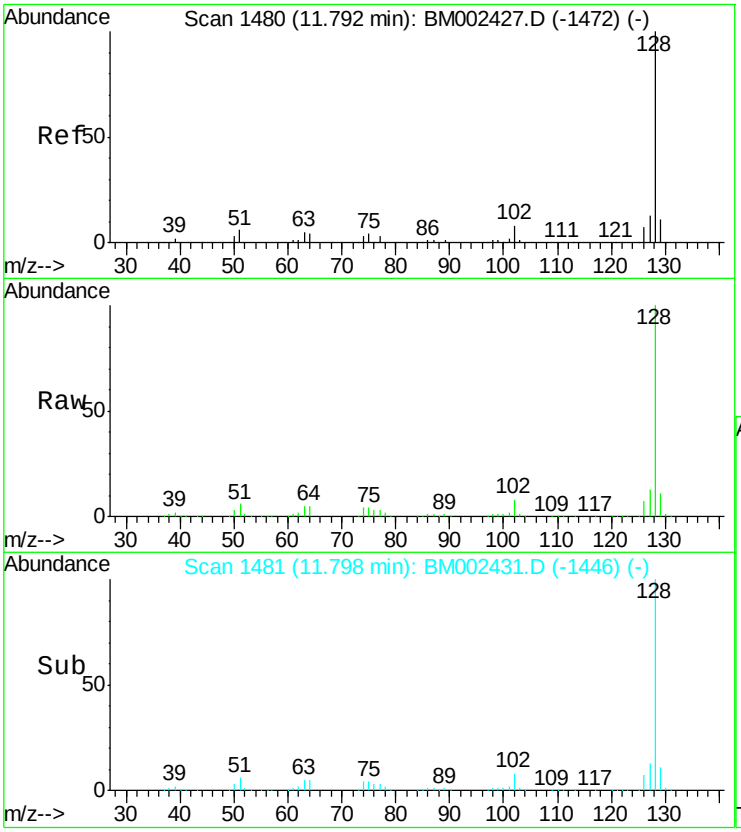
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081415\
Data File : BM002431.D
Acq On : 15 Aug 2015 19:01
Operator : UM/IZ
Sample : G3194-05
Misc :
ALS Vial : 37 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
D9D98

Quant Time: Aug 17 05:17:48 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



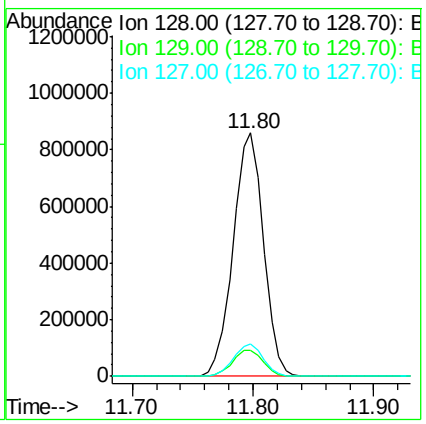


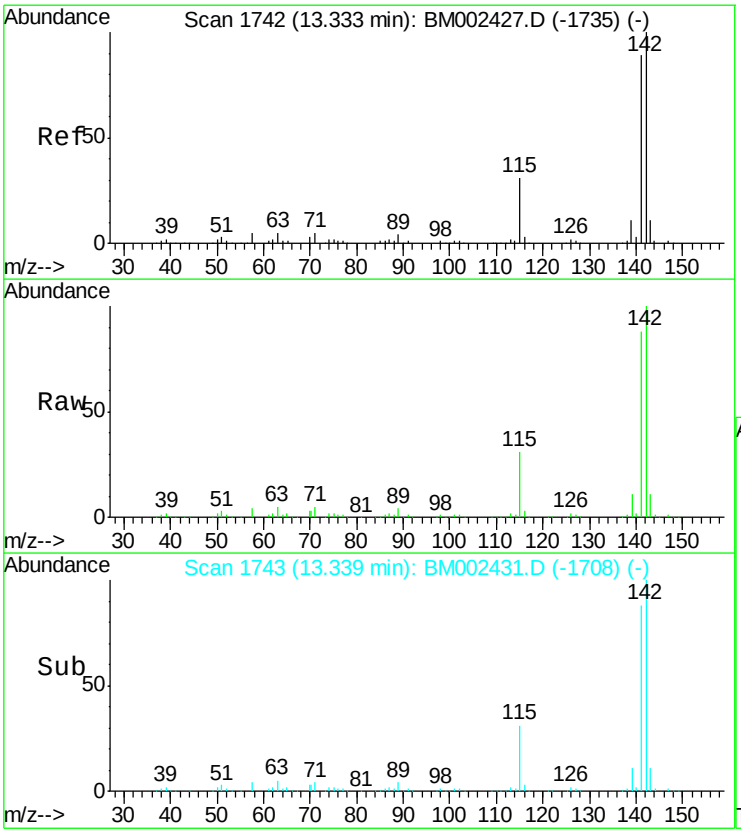

#3
Naphthalene
Concen: 39.88 ng/ul
RT: 11.80 min Scan# 1481
Delta R.T. 0.01 min
Lab File: BM002431.D
Acq: 15 Aug 2015 19:01

**Instrument :**
BNA_M
**ClientSampleId :**
D9D98

Tgt Ion:128 Resp: 1505256

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.9 | 8.6 | 12.8 |
| 127 | 13.2 | 10.4 | 15.6 |

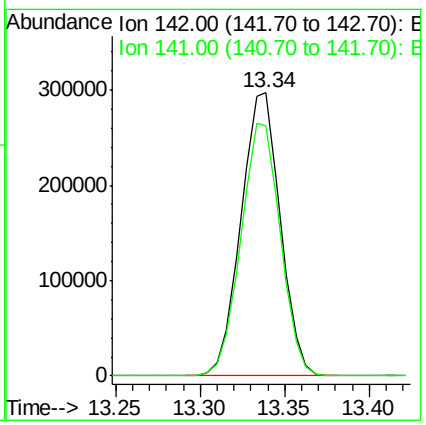


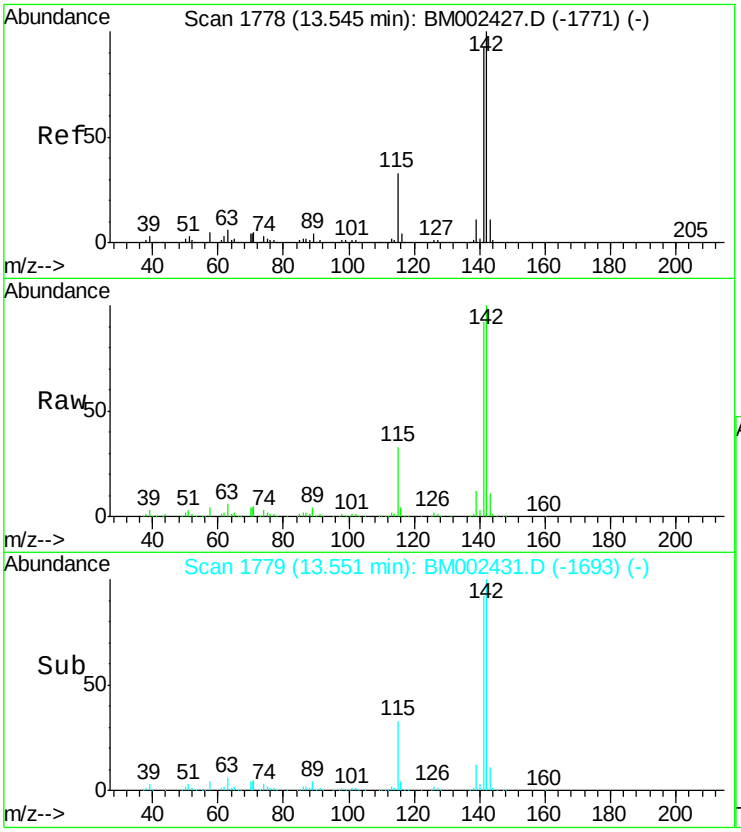




#4
2-Methylnaphthalene
Concen: 17.05 ng/ul
RT: 13.34 min Scan# 1743
Delta R.T. 0.01 min
Lab File: BM002431.D
Acq: 15 Aug 2015 19:01

Tgt Ion:142 Resp: 482253

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.3 | 72.2 | 108.2 |



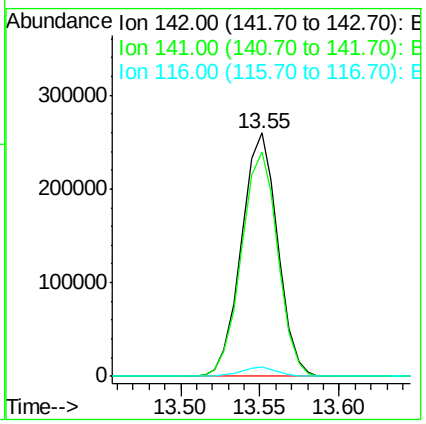


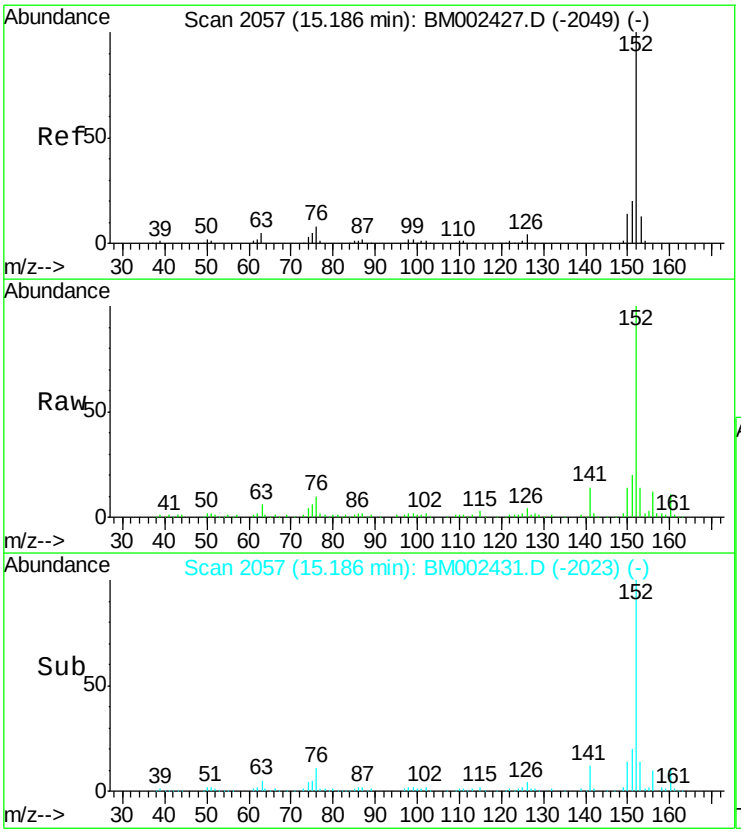

#5
1-Methylnaphthalene
Concen: 14.73 ng/ul
RT: 13.55 min Scan# 1779
Delta R.T. 0.01 min
Lab File: BM002431.D
Acq: 15 Aug 2015 19:01

**Instrument :**
BNA_M
**ClientSampleId :**
D9D98

Tgt Ion:142 Resp: 411921

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.3 | 73.9 | 110.9 |
| 116 | 3.7 | 3.0 | 4.4 |

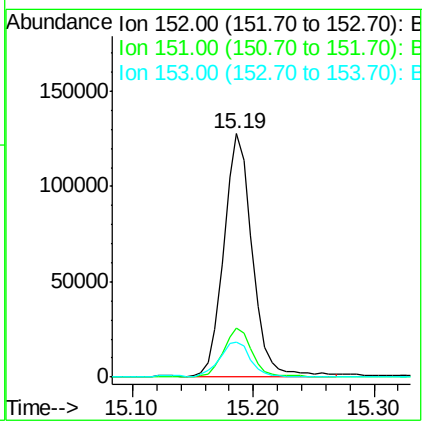


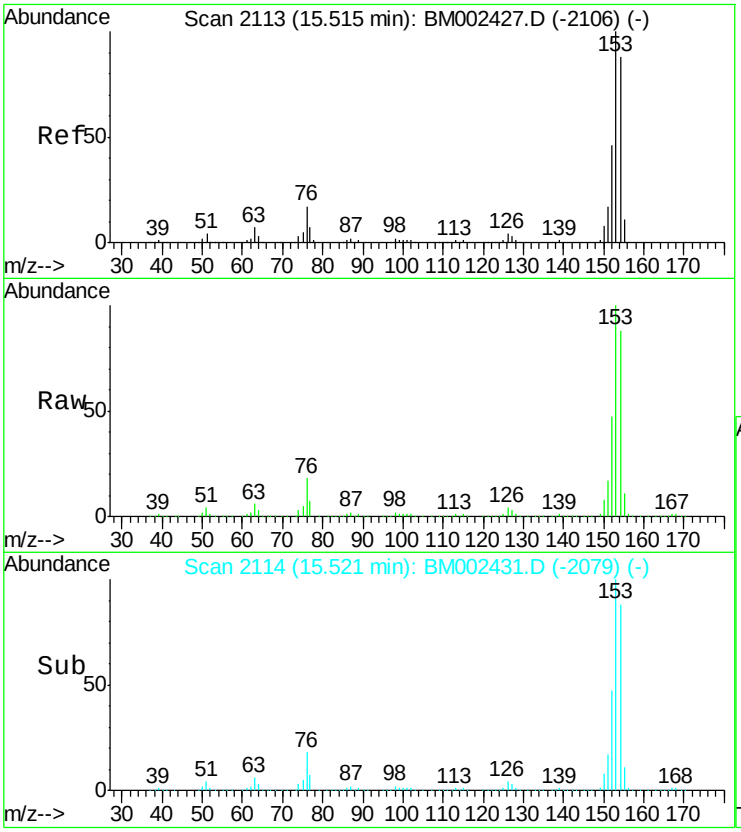




#8
Acenaphthylene
Concen: 4.97 ng/ul
RT: 15.19 min Scan# 2057
Delta R.T. 0.00 min
Lab File: BM002431.D
Acq: 15 Aug 2015 19:01

Tgt Ion:152 Resp: 208173

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.1 | 15.7 | 23.5 |
| 153 | 14.4 | 10.2 | 15.4 |



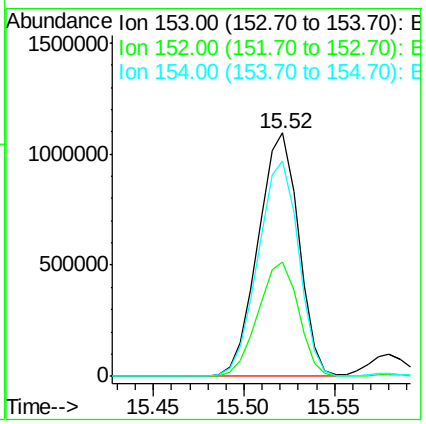


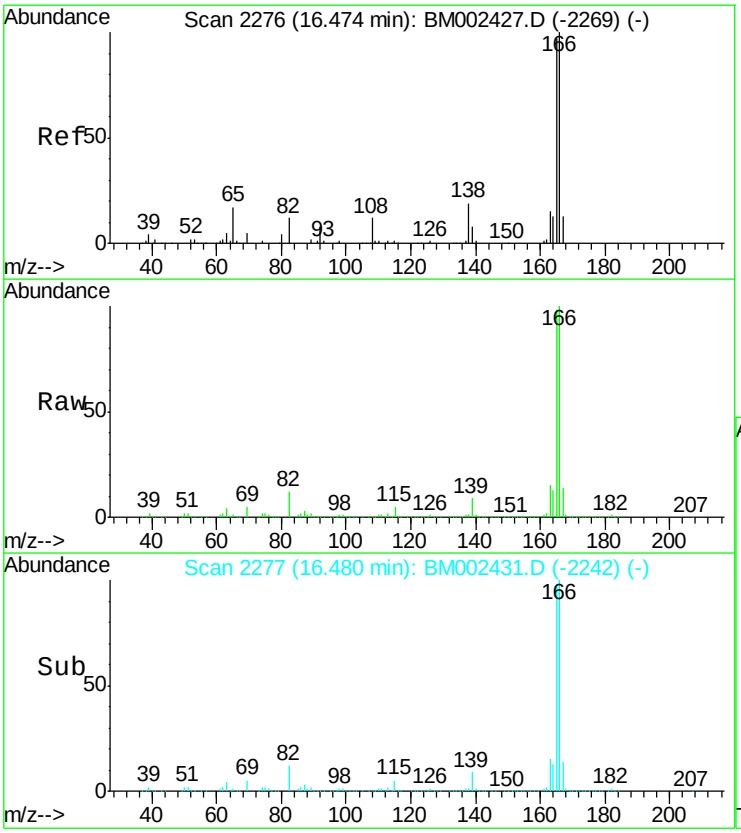

#9
Acenaphthene
Concen: 61.97 ng/ul
RT: 15.52 min Scan# 2114
Delta R.T. 0.01 min
Lab File: BM002431.D
Acq: 15 Aug 2015 19:01

**Instrument :**
BNA_M
**ClientSampleId :**
D9D98

Tgt Ion:153 Resp: 1708229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 47.0 | 36.9 | 55.3 |
| 154 | 88.3 | 71.3 | 106.9 |

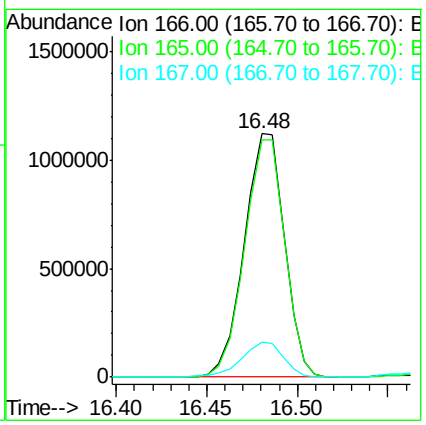


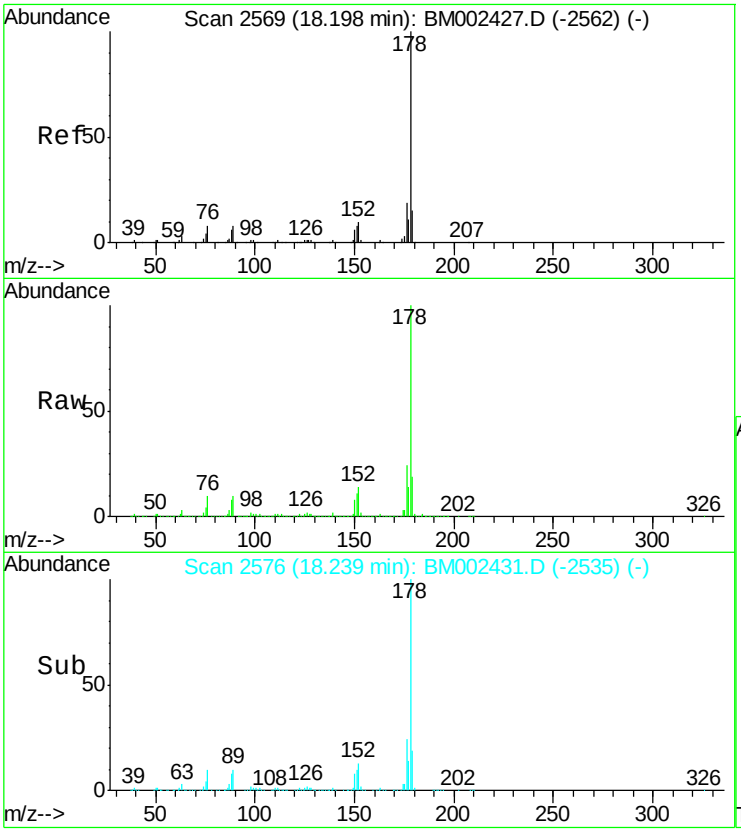




#11
Fluorene
Concen: 54.71 ng/ul
RT: 16.48 min Scan# 2277
Delta R.T. 0.01 min
Lab File: BM002431.D
Acq: 15 Aug 2015 19:01

Tgt Ion:166 Resp: 1727998

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.7 | 77.6 | 116.4 |
| 167 | 14.2 | 10.7 | 16.1 |



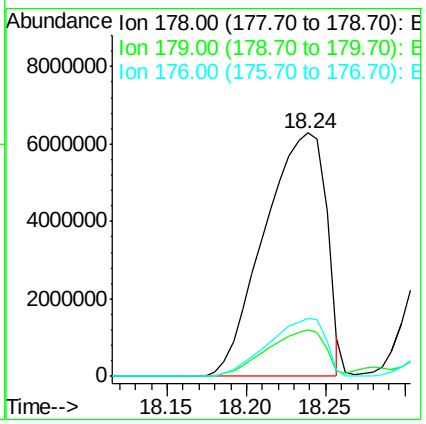


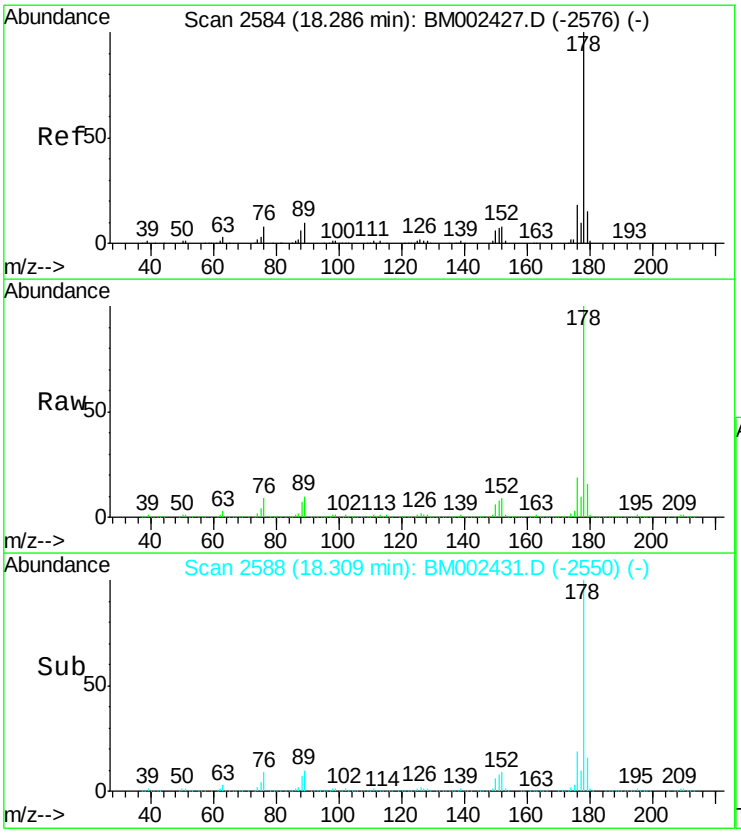

#13
Phenanthrene
Concen: 408.23 ng/ul
RT: 18.24 min Scan# 2576
Delta R.T. 0.04 min
Lab File: BM002431.D
Acq: 15 Aug 2015 19:01

**Instrument :**
BNA_M
**ClientSampleId :**
D9D98

Tgt Ion:178 Resp:17036676

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 18.9 | 12.4 | 18.6# |
| 176 | 23.9 | 15.1 | 22.7# |

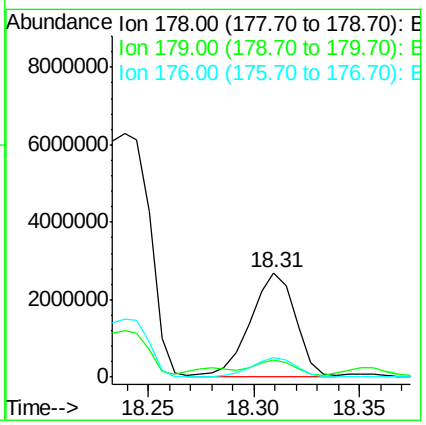


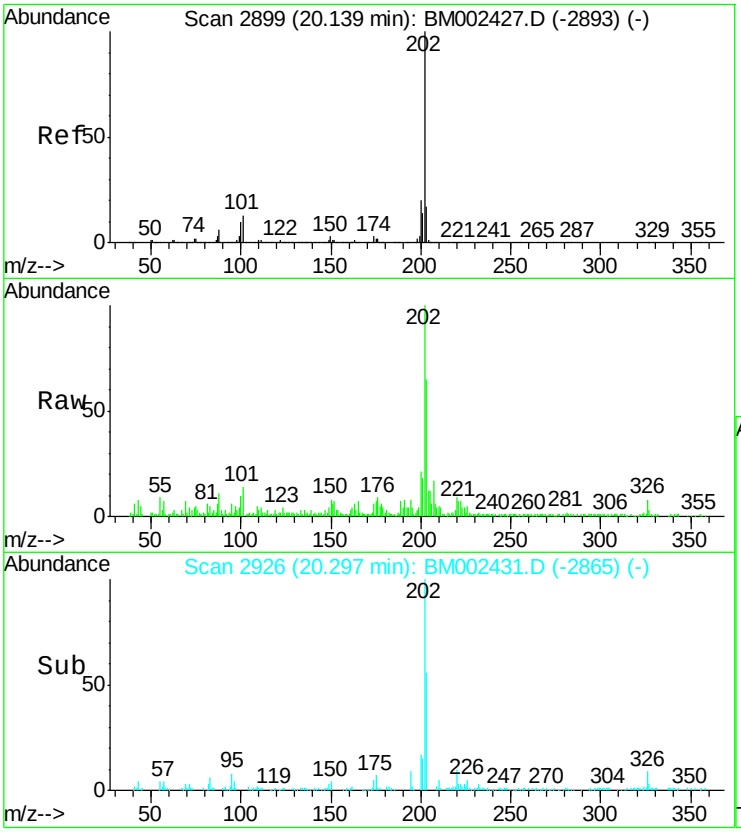




#15
Anthracene
Concen: 95.23 ng/ul
RT: 18.31 min Scan# 2588
Delta R.T. 0.02 min
Lab File: BM002431.D
Acq: 15 Aug 2015 19:01

Tgt Ion:178 Resp: 4027566

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.4 | 12.6 | 18.8 |
| 176 | 18.9 | 14.5 | 21.7 |



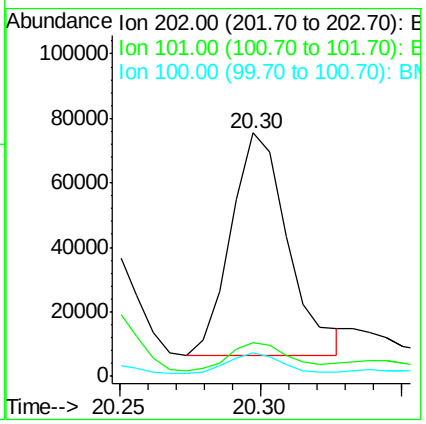


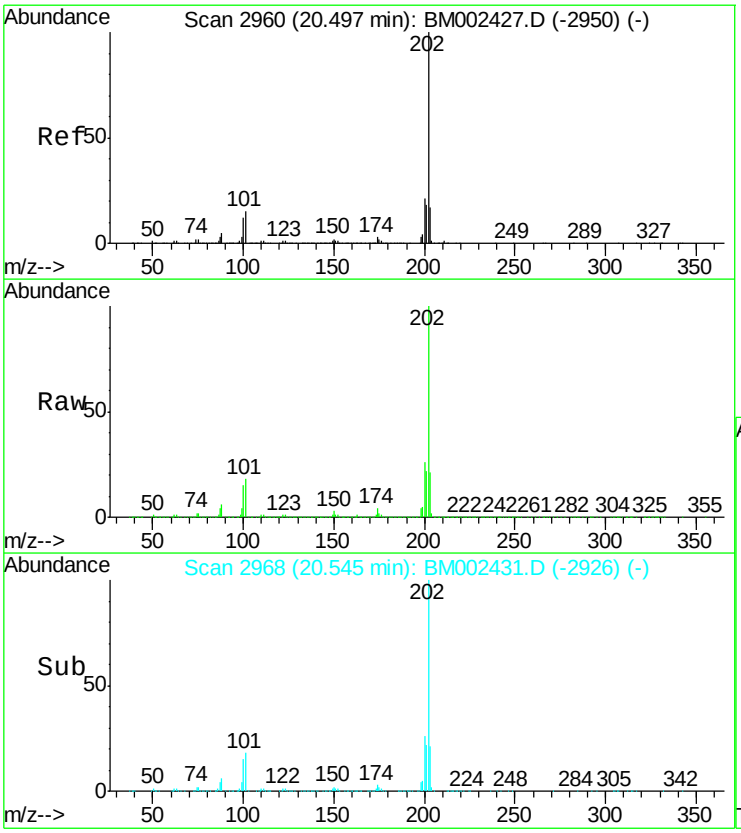

#16
Fluoranthene
Concen: 2.06 ng/ul
RT: 20.30 min Scan# 2926
Delta R.T. 0.16 min
Lab File: BM002431.D
Acq: 15 Aug 2015 19:01

**Instrument :**
BNA_M
**ClientSampleId :**
D9D98

Tgt Ion:202 Resp: 97334

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.8 | 9.7 | 14.5 |
| 100 | 9.7 | 7.4 | 11.2 |

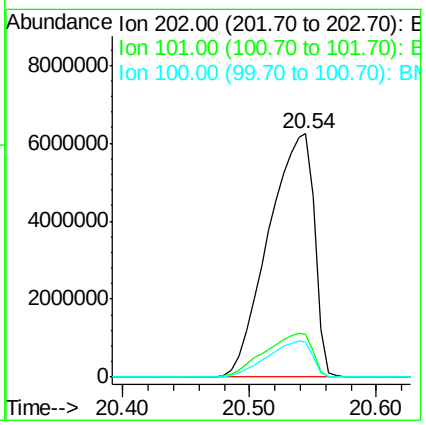


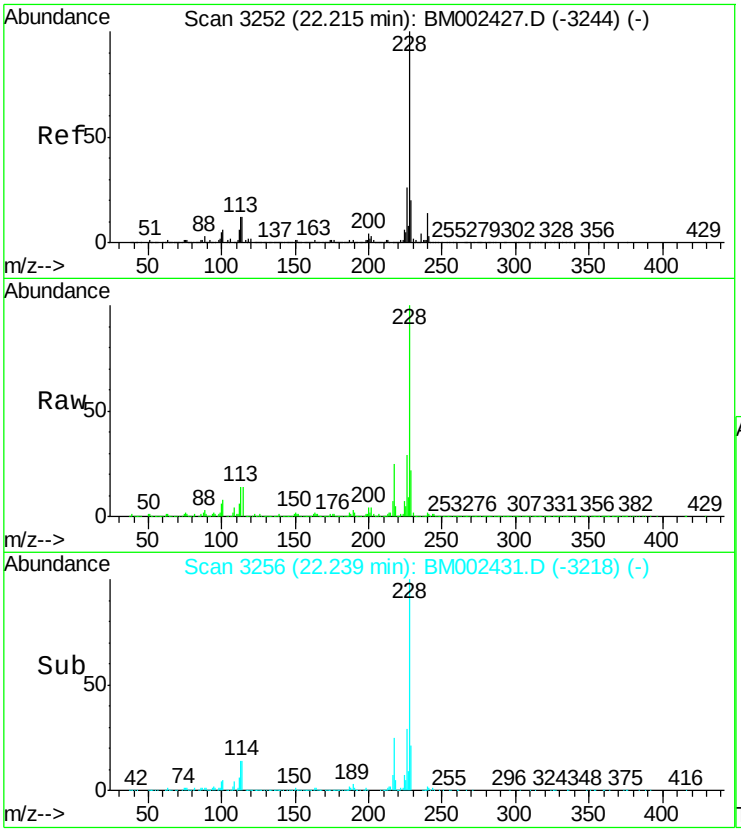




#19
Pyrene
Concen: 618.60 ng/ul
RT: 20.54 min Scan# 2968
Delta R.T. 0.05 min
Lab File: BM002431.D
Acq: 15 Aug 2015 19:01

Tgt Ion:202 Resp:15713959

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 17.5 | 12.0 | 18.0 |
| 100 | 14.6 | 9.7 | 14.5# |



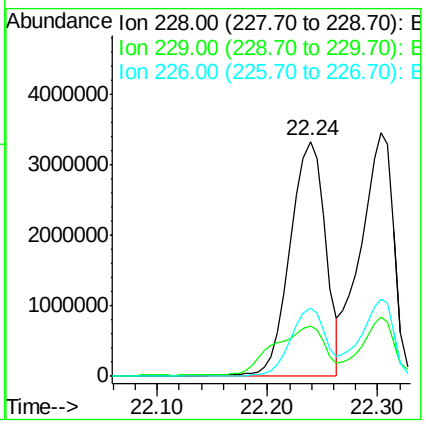


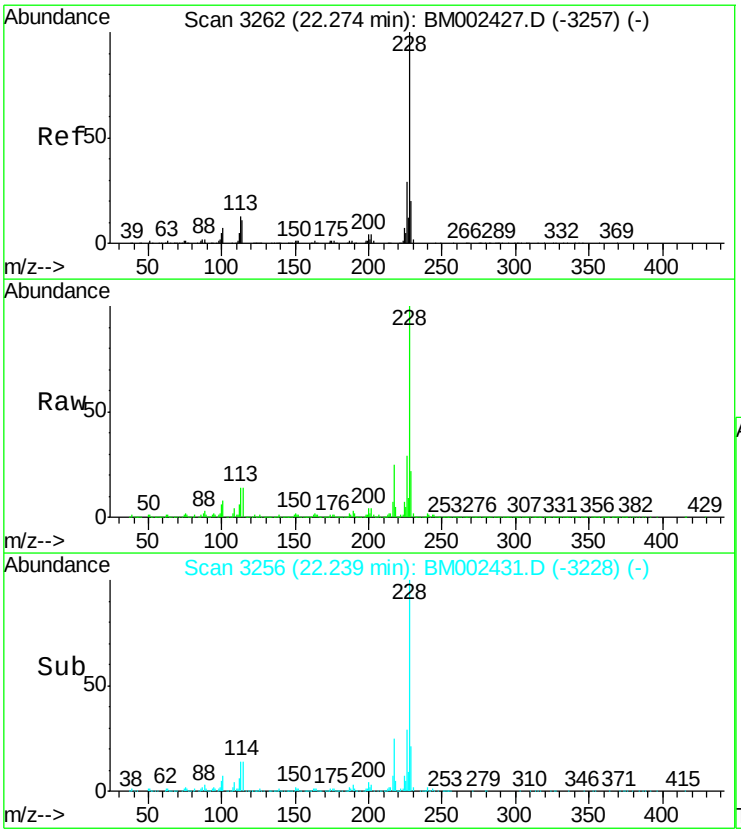

#20
Benzo(a)anthracene
Concen: 281.03 ng/ul
RT: 22.24 min Scan# 3256
Delta R.T. 0.02 min
Lab File: BM002431.D
Acq: 15 Aug 2015 19:01

**Instrument :**
BNA_M
**ClientSampleId :**
D9D98

Tgt Ion:228 Resp: 7287141

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 21.6 | 15.8 | 23.6 |
| 226 | 29.2 | 21.1 | 31.7 |

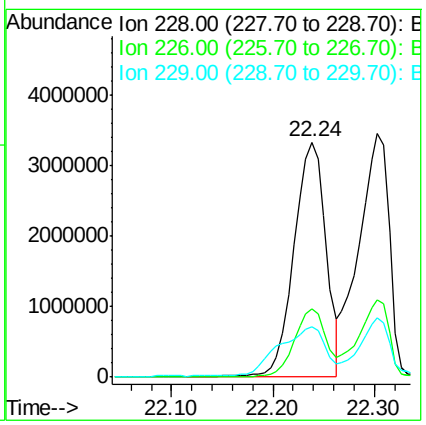


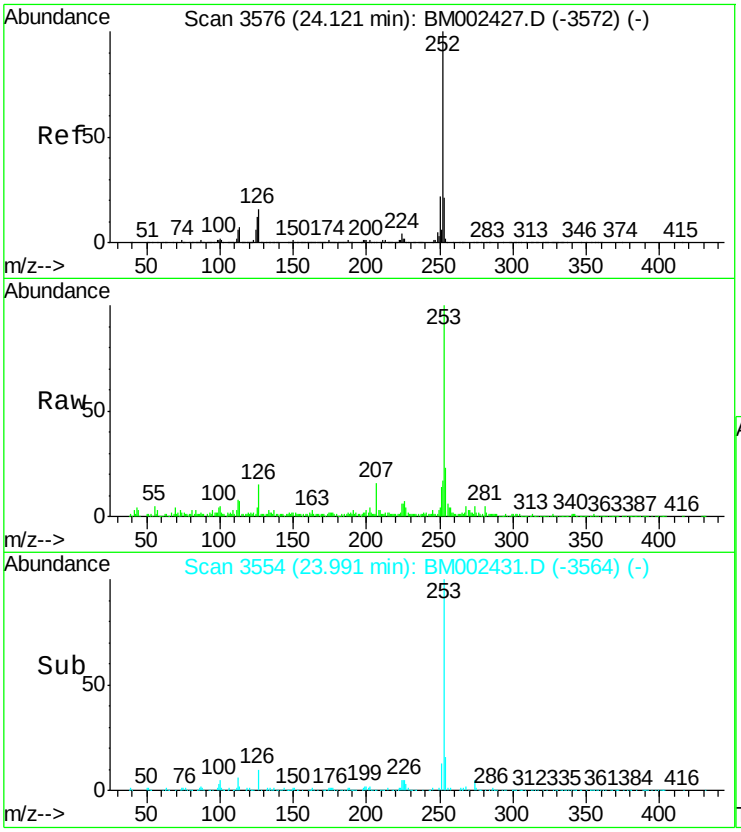




#21
Chrysene
Concen: 300.58 ng/ul
RT: 22.24 min Scan# 3256
Delta R.T. -0.04 min
Lab File: BM002431.D
Acq: 15 Aug 2015 19:01

Tgt Ion:228 Resp: 7289951

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.2 | 23.4 | 35.2 |
| 229 | 21.6 | 15.7 | 23.5 |



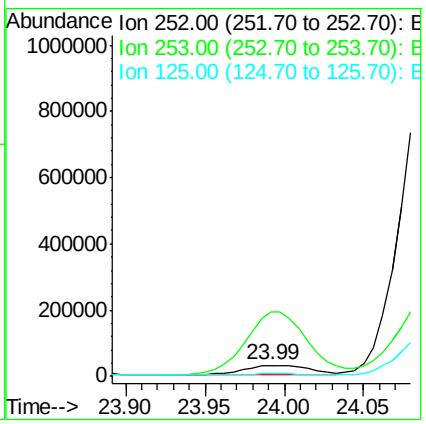


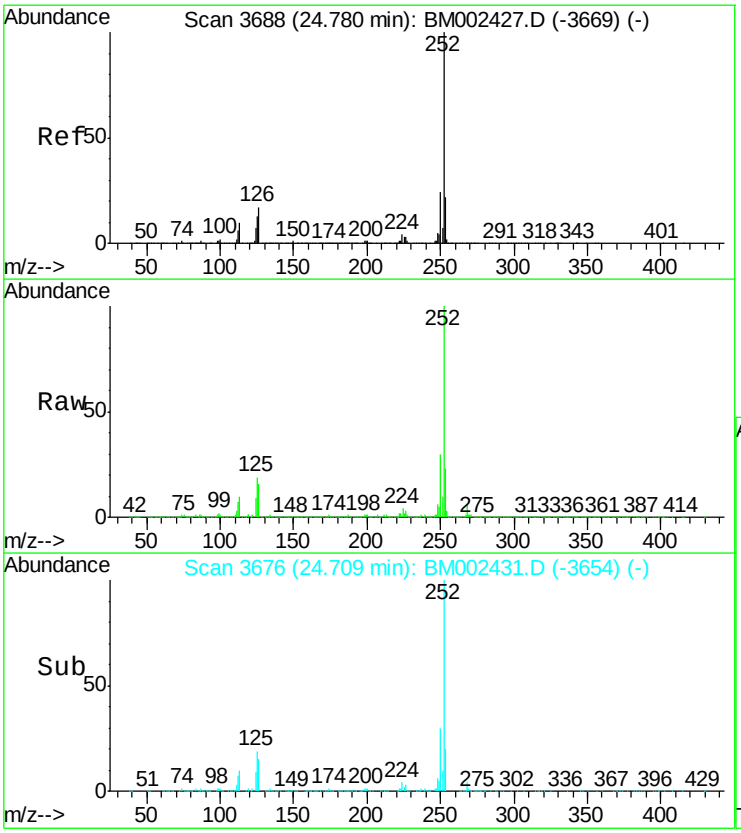

#24
Benzo(k)fluoranthene
Concen: 3.05 ng/ul
RT: 23.99 min Scan# 3554
Delta R.T. -0.13 min
Lab File: BM002431.D
Acq: 15 Aug 2015 19:01

**Instrument :**
BNA_M
**ClientSampleId :**
D9D98

Tgt Ion:252 Resp: 84217

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 575.7 | 17.8 | 26.6# |
| 125 | 23.5 | 9.8 | 14.8# |

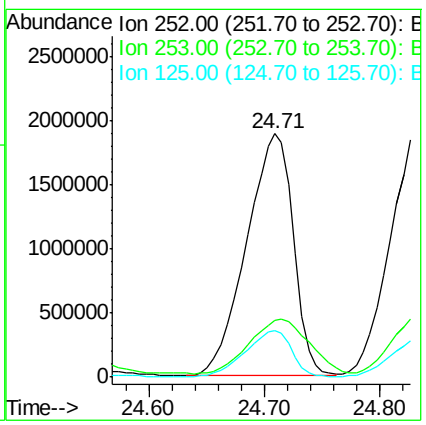


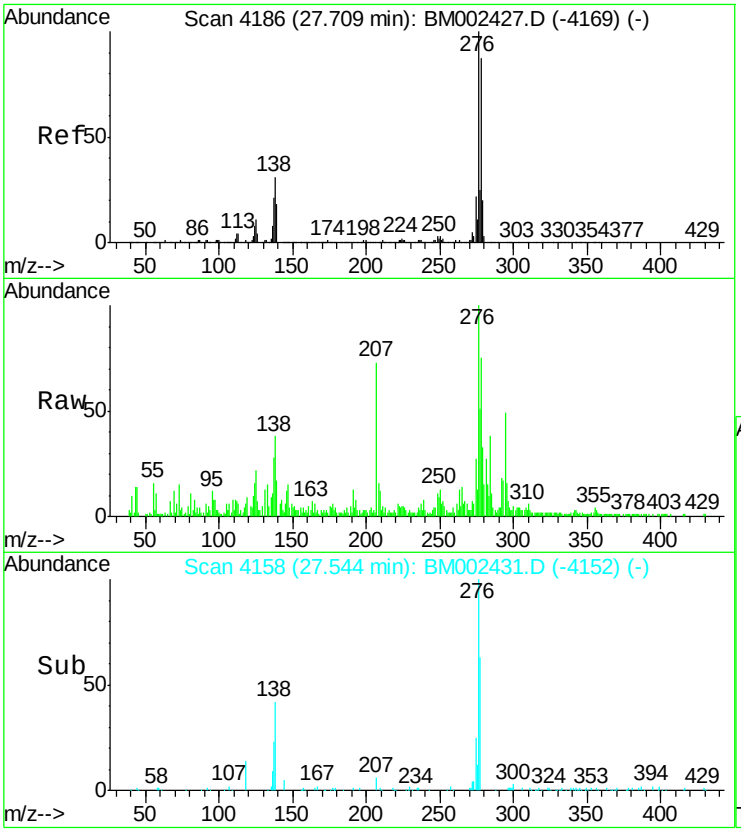




#26
Benzo(a)pyrene
Concen: 191.43 ng/ul
RT: 24.71 min Scan# 3676
Delta R.T. -0.07 min
Lab File: BM002431.D
Acq: 15 Aug 2015 19:01

Tgt Ion:252 Resp: 5324705

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.3 | 17.6 | 26.4 |
| 125 | 19.1 | 10.7 | 16.1# |



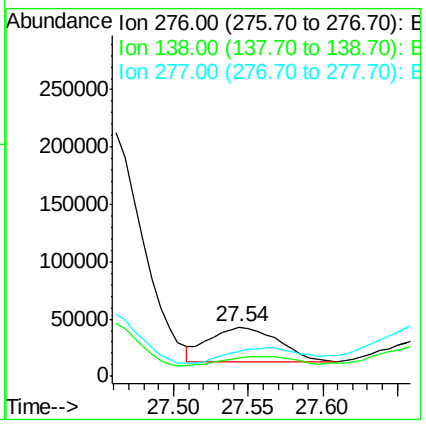


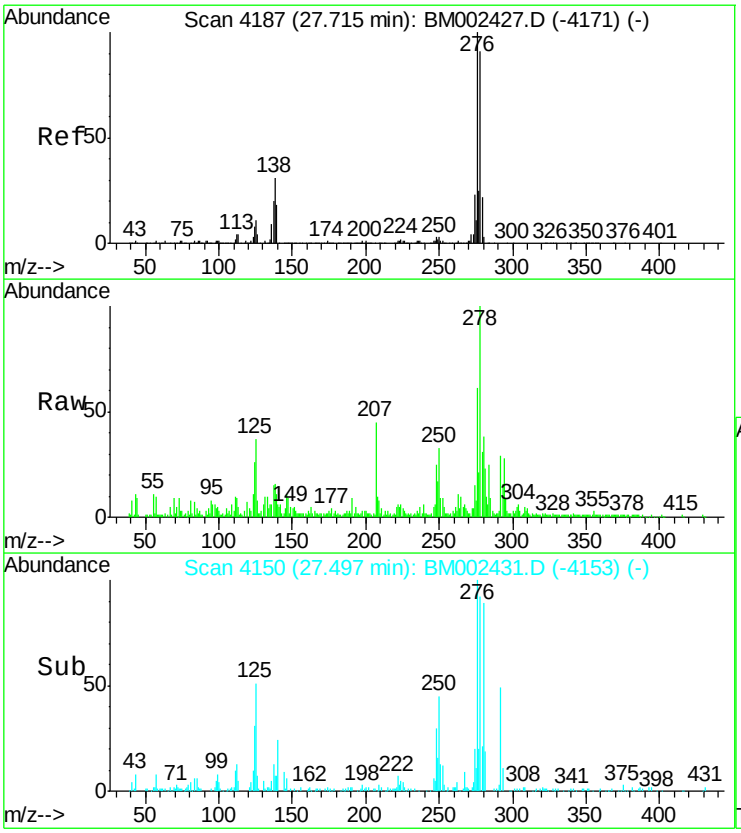

#27
Indeno(1,2,3-cd)pyrene
Concen: 2.97 ng/ul
RT: 27.54 min Scan# 4158
Delta R.T. -0.16 min
Lab File: BM002431.D
Acq: 15 Aug 2015 19:01

**Instrument :**
BNA_M
**ClientSampleId :**
D9D98

Tgt Ion:276 Resp: 94957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 38.0 | 25.3 | 37.9# |
| 277 | 51.5 | 20.2 | 30.2# |




#28
Dibenzo(a,h)anthracene
Concen: 7.41 ng/ul
RT: 27.50 min Scan# 4150
Delta R.T. -0.22 min
Lab File: BM002431.D
Acq: 15 Aug 2015 19:01

Tgt Ion:278 Resp: 198032

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 10.9 | 16.5 | 24.7# |
| 279 | 30.5 | 18.8 | 28.2# |