Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122316\
Data File : BM008594.D
Acq On : 23 Dec 2016 14:19
Operator : UM/SJ
Sample : H5970-22DL 5X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA861DL

Manual Integrations APPROVED
sohil
12/26/2016 4:03:01 PM

Quant Time: Dec 26 12:24:59 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 23 15:11:17 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.67 | 152 | 392 | 0.40 | ng/ul | -0.08 |
| 2) Naphthalene-d8 | 10.43 | 136 | 1340 | 0.40 | ng/ul | -0.06 |
| 6) Acenaphthene-d10 | 14.28 | 164 | 1132 | 0.40 | ng/ul | -0.03 |
| 10) Phenanthrene-d10 | 16.99 | 188 | 4319m | 0.40 | ng/ul | -0.10 |
| 16) Chrysene-d12 | 21.25 | 240 | 1880 | 0.40 | ng/ul | -0.02 |
| 20) Perylene-d12 | 23.47 | 264 | 1871 | 0.40 | ng/ul | -0.03 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Methylnaphthalene-d10 | 12.01 | 152 | 137m | 0.07 | ng/ul | -0.09 |
| 14) Fluoranthene-d10 | 19.06 | 212 | 1165m | 0.10 | ng/ul | -0.05 |
| **Target Compounds** | | | | | | Qvalue |
| 3) Naphthalene | 10.46 | 128 | 4394 | 1.17 | ng/ul# | 93 |
| 5) 2-Methylnaphthalene | 12.08 | 142 | 11392 | 4.49 | ng/ul | 99 |
| 8) Acenaphthene | 14.35 | 153 | 5925m | 1.54 | ng/ul | |
| 9) Fluorene | 15.34 | 166 | 13782 | 3.14 | ng/ul | 89 |
| 12) Phenanthrene | 17.07 | 178 | 38177 | 2.89 | ng/ul# | 94 |
| 15) Fluoranthene | 19.11 | 202 | 11873 | 0.73 | ng/ul | 87 |
| 17) Pyrene | 19.47 | 202 | 22460 | 3.09 | ng/ul | 95 |
| 18) Benzo(a)anthracene | 21.23 | 228 | 4673 | 0.76 | ng/ul# | 37 |
| 19) Chrysene | 21.28 | 228 | 4203 | 0.62 | ng/ul# | 46 |
| 21) Benzo(b)fluoranthene | 22.80 | 252 | 3452m | 0.47 | ng/ul | |
| 23) Benzo(a)pyrene | 23.37 | 252 | 2734 | 0.40 | ng/ul# | 77 |
| 24) Indeno(1,2,3-cd)pyrene | 25.71 | 276 | 1319 | 0.16 | ng/ul# | 76 |
| 26) Benzo(g,h,i)perylene | 26.40 | 276 | 1465 | 0.21 | ng/ul# | 66 |

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

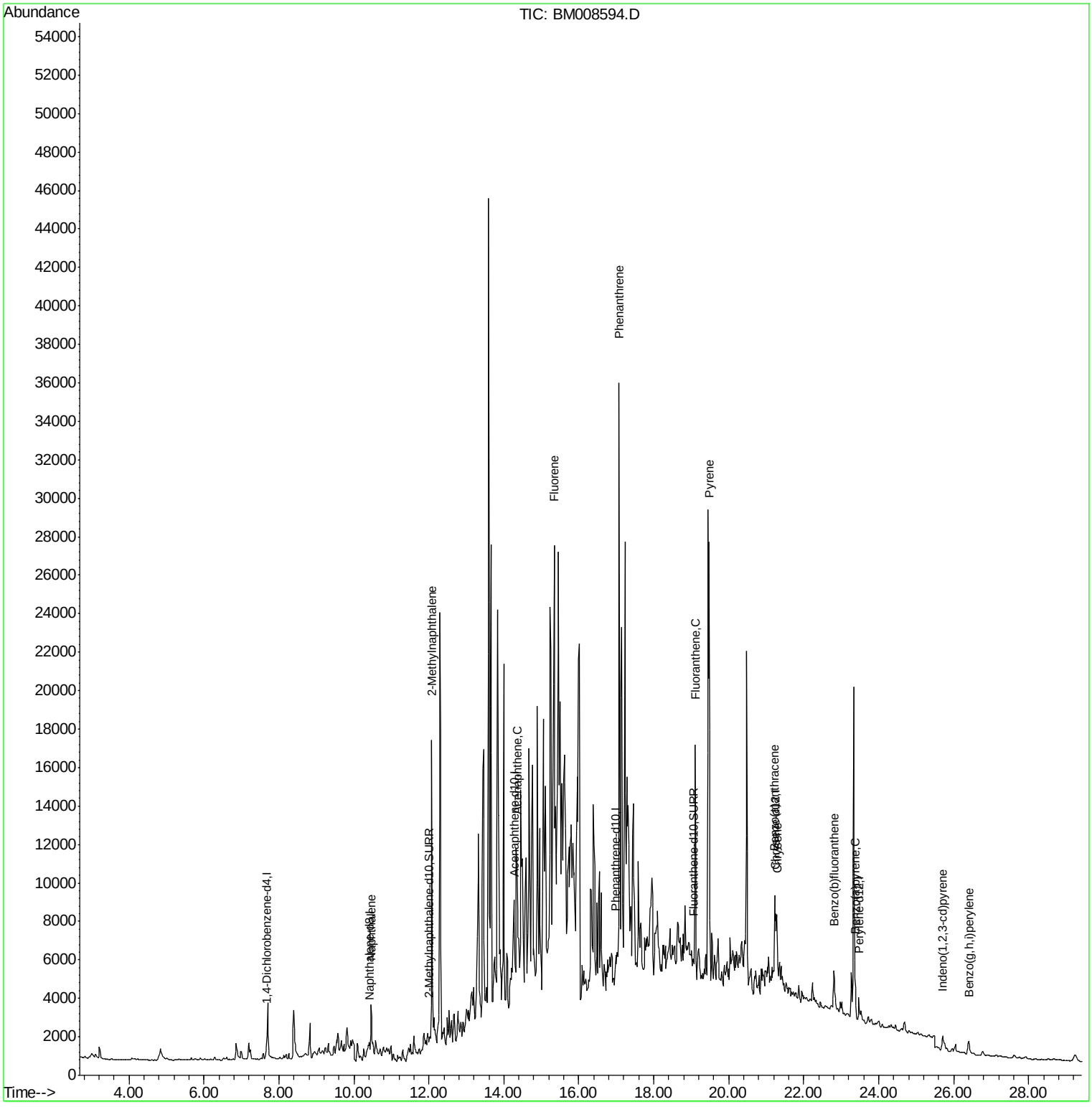
Quantitation Report (QT Reviewed)

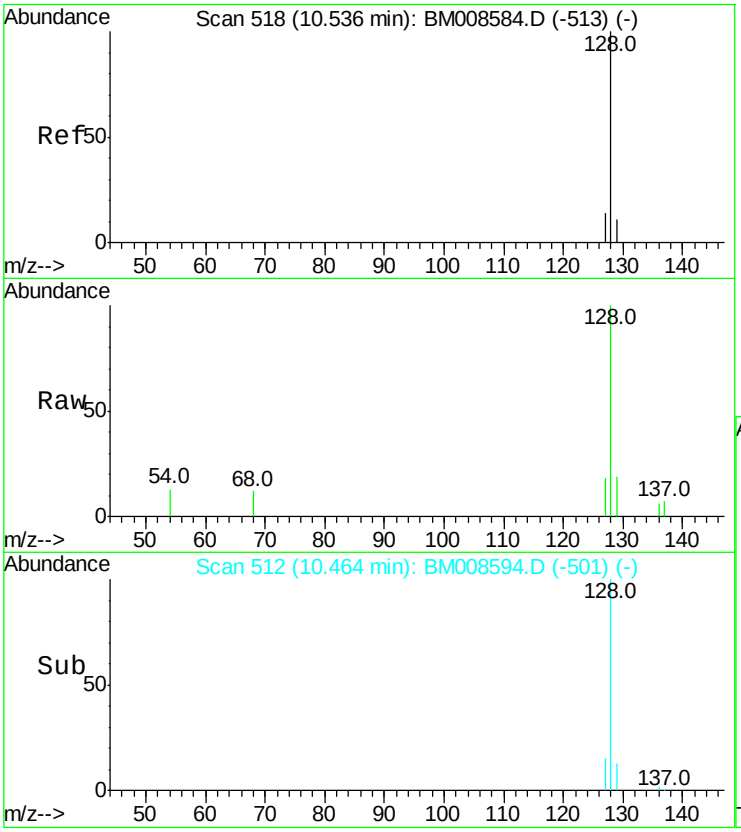
Data Path : Z:\HPCHEM1\BNA M\DATA\BM122316\
Data File : BM008594.D
Acq On : 23 Dec 2016 14:19
Operator : UM/SJ
Sample : H5970-22DL 5X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Dec 26 12:24:59 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 23 15:11:17 2016
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
DA861DL

**Manual Integrations APPROVED**
sohil
12/26/2016 4:03:01 PM

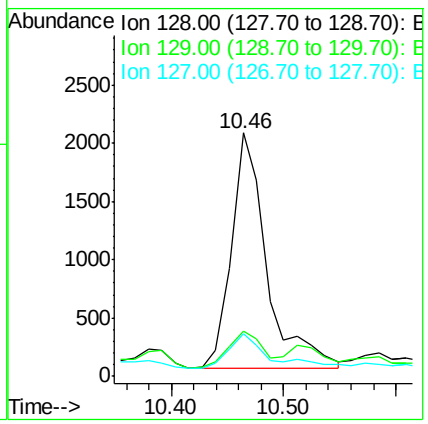





#3
Naphthalene
Concen: 1.17 ng/ul
RT: 10.46 min Scan# 512
Delta R.T. -0.07 min
Lab File: BM008594.D
Acq: 23 Dec 2016 14:19

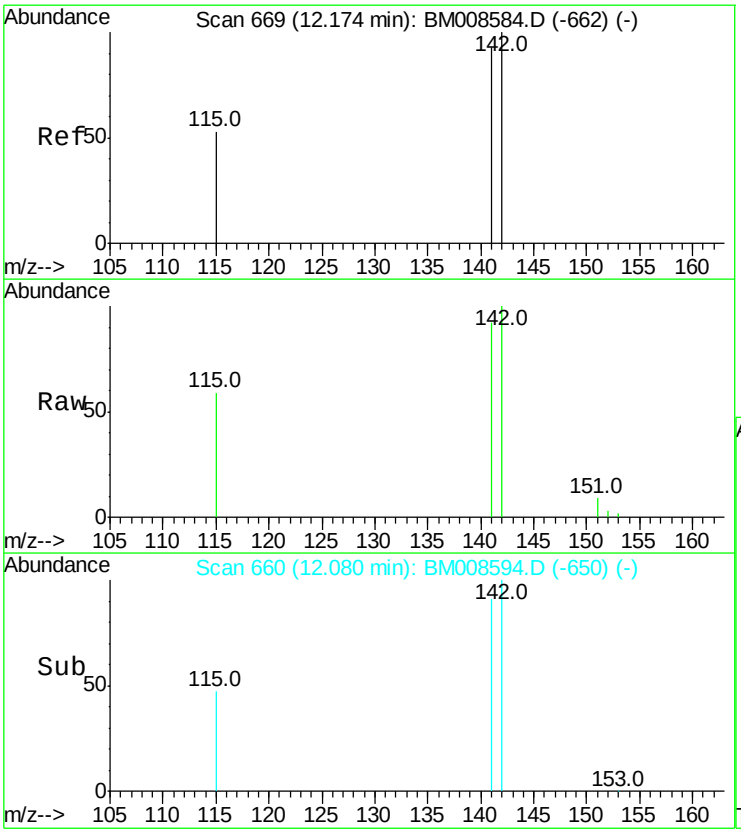
Tgt Ion:128 Resp: 4394

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 18.8 | 11.3 | 16.9# |
| 127 | 17.7 | 12.8 | 19.2 |




**Instrument :**
BNA_M
**ClientSampleId :**
DA861DL

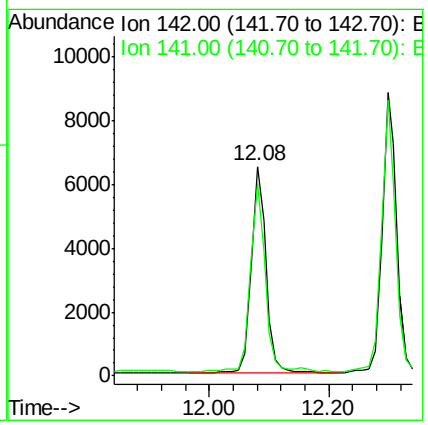
**Manual Integrations APPROVED**
sohil
12/26/2016 4:03:01 PM

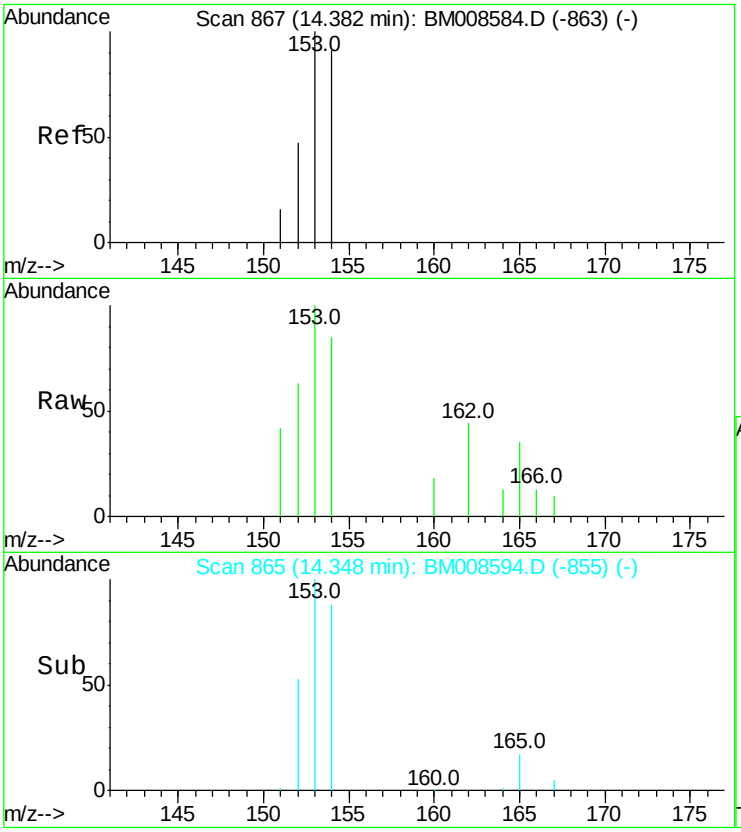



#5
2-Methylnaphthalene
Concen: 4.49 ng/ul
RT: 12.08 min Scan# 660
Delta R.T. -0.09 min
Lab File: BM008594.D
Acq: 23 Dec 2016 14:19

Tgt Ion:142 Resp: 11392

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.0 | 72.6 | 108.8 |

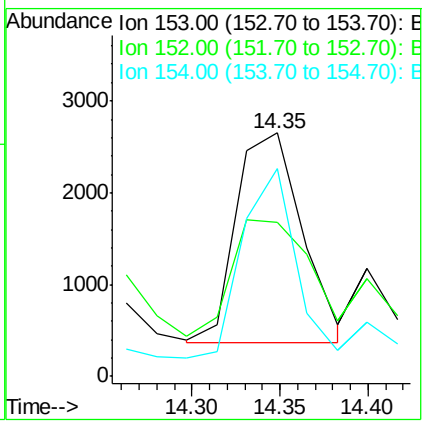





#8
Acenaphthene
Concen: 1.54 ng/ul m
RT: 14.35 min Scan# 865
Delta R.T. -0.03 min
Lab File: BM008594.D
Acq: 23 Dec 2016 14:19

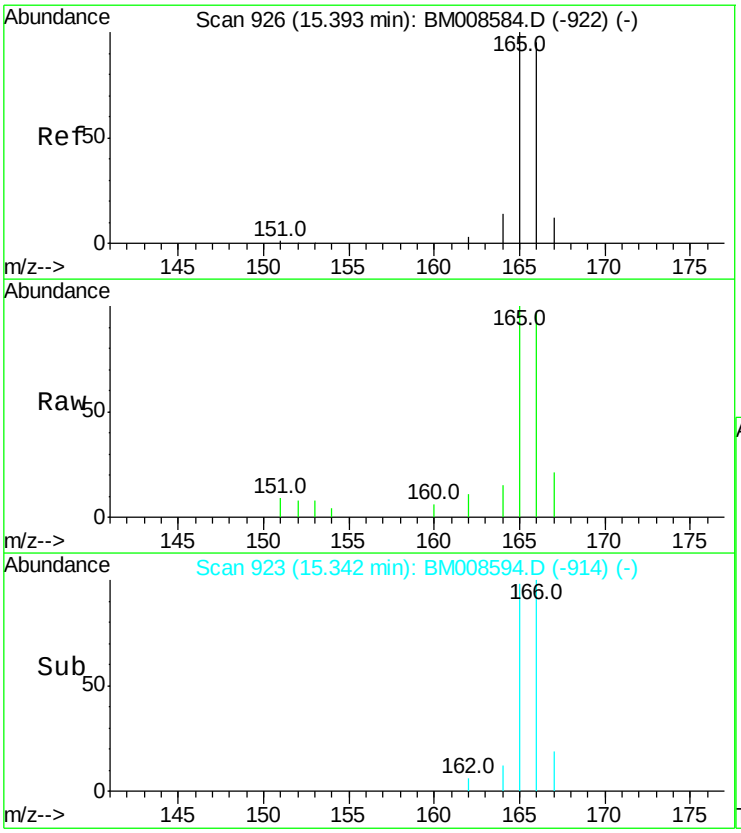
Tgt Ion:153 Resp: 5925

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 63.0 | 40.3 | 60.5# |
| 154 | 85.4 | 71.4 | 107.2 |




**Instrument :**
BNA_M
**ClientSampleId :**
DA861DL

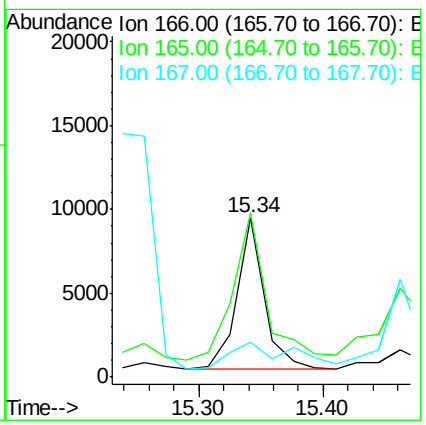
**Manual Integrations APPROVED**
sohil
12/26/2016 4:03:01 PM

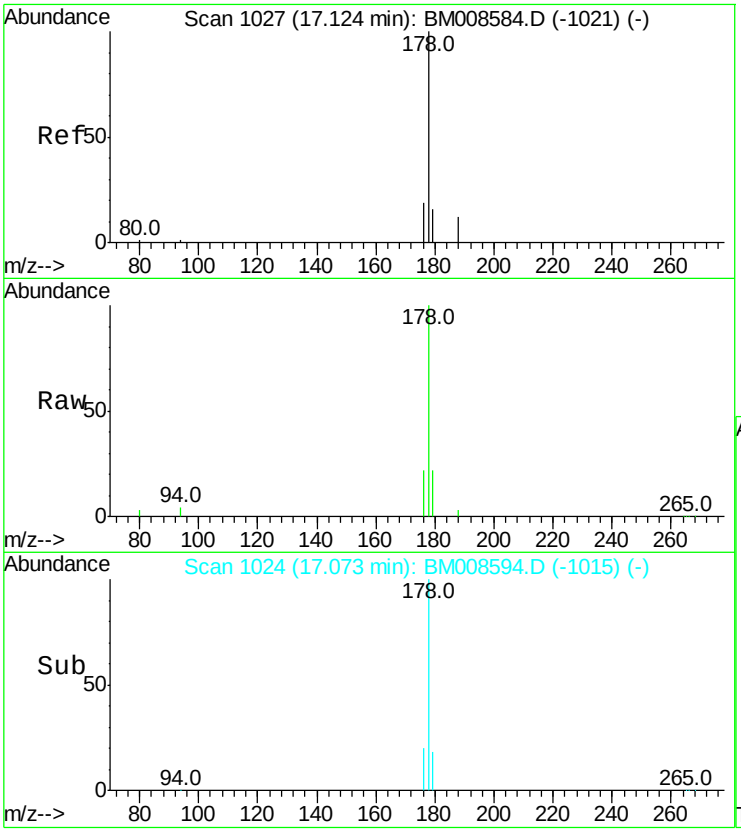



#9
Fluorene
Concen: 3.14 ng/ul
RT: 15.34 min Scan# 923
Delta R.T. -0.05 min
Lab File: BM008594.D
Acq: 23 Dec 2016 14:19

Tgt Ion:166 Resp: 13782

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 103.3 | 73.4 | 110.2 |
| 167 | 22.0 | 14.6 | 22.0 |

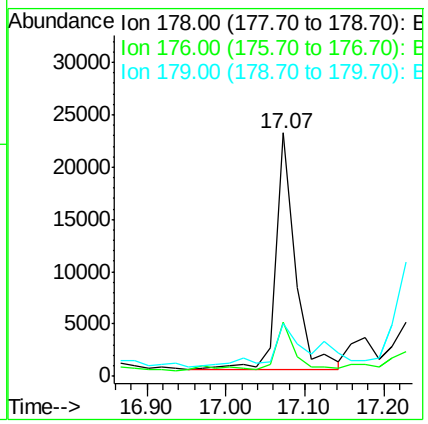





#12
Phenanthrene
Concen: 2.89 ng/ul
RT: 17.07 min Scan# 1024
Delta R.T. -0.05 min
Lab File: BM008594.D
Acq: 23 Dec 2016 14:19

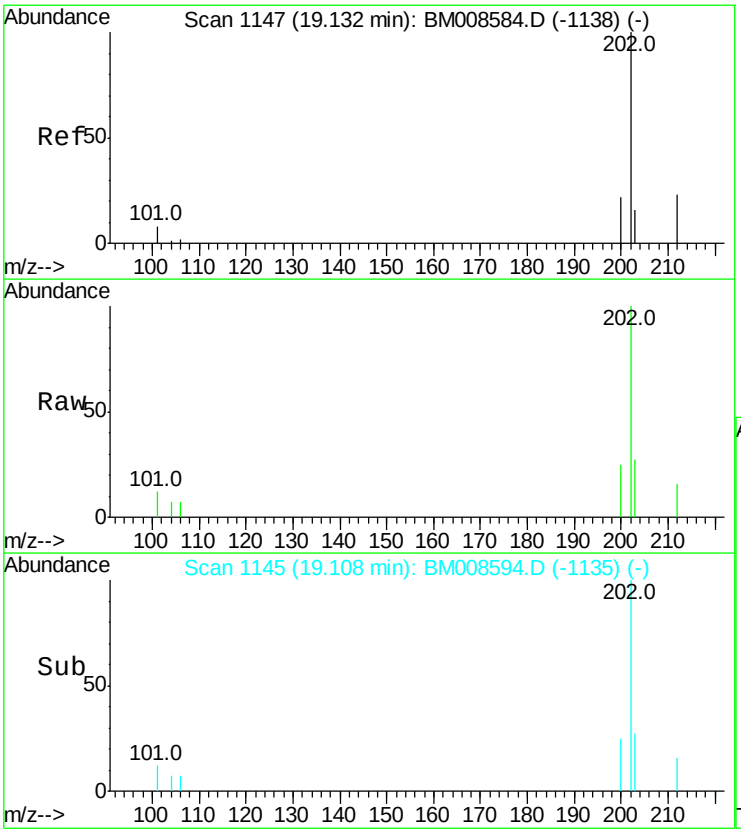
Tgt Ion:178 Resp: 38177

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 22.4 | 18.4 | 27.6 |
| 179 | 21.9 | 13.6 | 20.4# |




**Instrument :**
BNA_M
**ClientSampleId :**
DA861DL

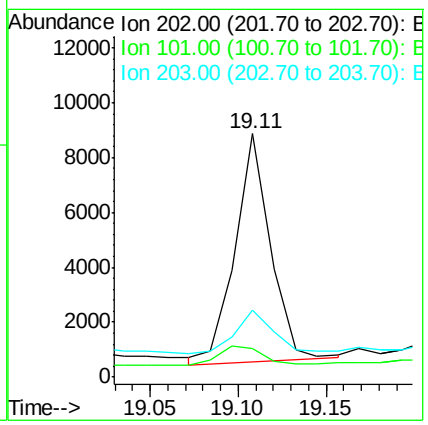
**Manual Integrations APPROVED**
sohil
12/26/2016 4:03:01 PM

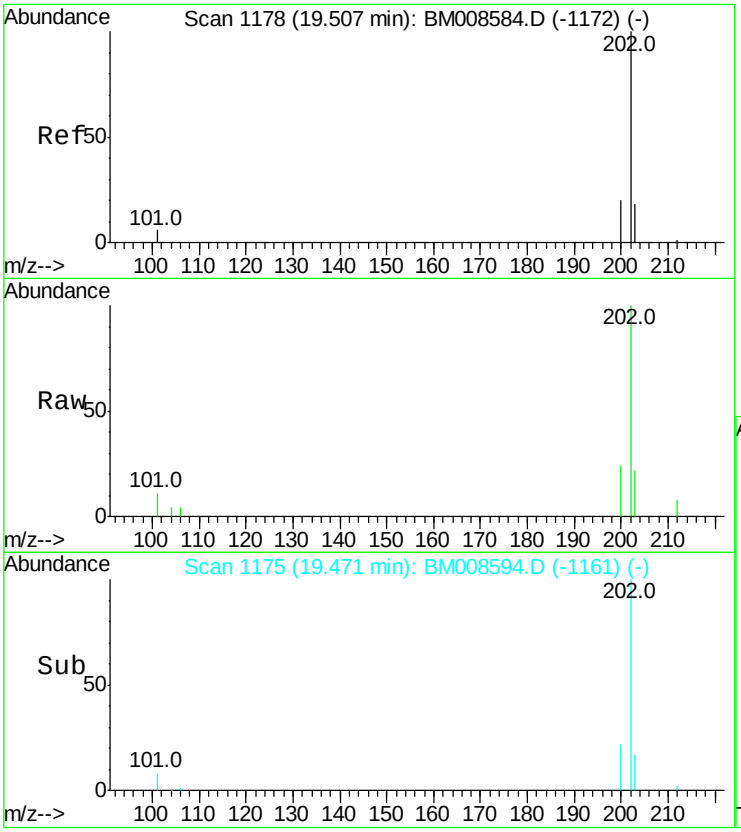



#15
Fluoranthene
Concen: 0.73 ng/ul
RT: 19.11 min Scan# 1145
Delta R.T. -0.02 min
Lab File: BM008594.D
Acq: 23 Dec 2016 14:19

Tgt Ion:202 Resp: 11873

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.7 | 0.0 | 30.3 |
| 203 | 27.3 | 0.0 | 39.5 |

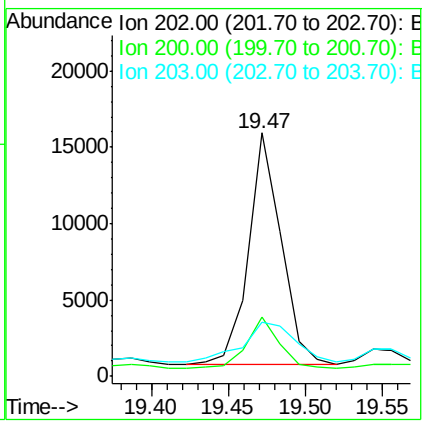





#17
Pyrene
Concen: 3.09 ng/ul
RT: 19.47 min Scan# 1175
Delta R.T. -0.04 min
Lab File: BM008594.D
Acq: 23 Dec 2016 14:19

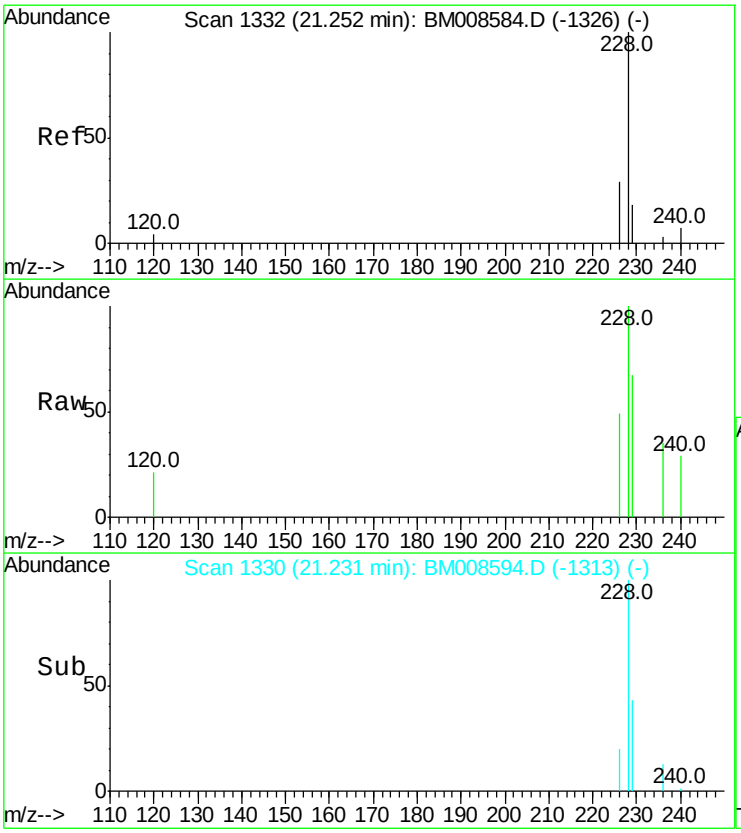
Tgt Ion:202 Resp: 22460

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 24.5 | 18.2 | 27.4 |
| 203 | 22.2 | 15.6 | 23.4 |




**Instrument :**
BNA_M
**ClientSampleId :**
DA861DL

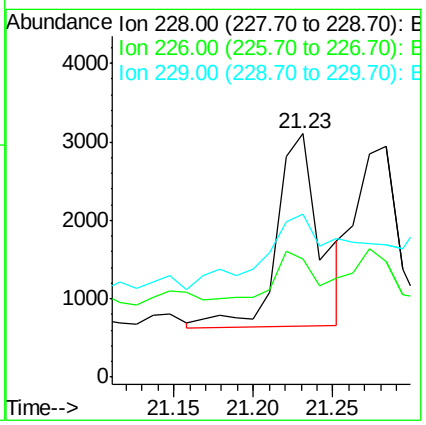
**Manual Integrations APPROVED**
sohil
12/26/2016 4:03:01 PM

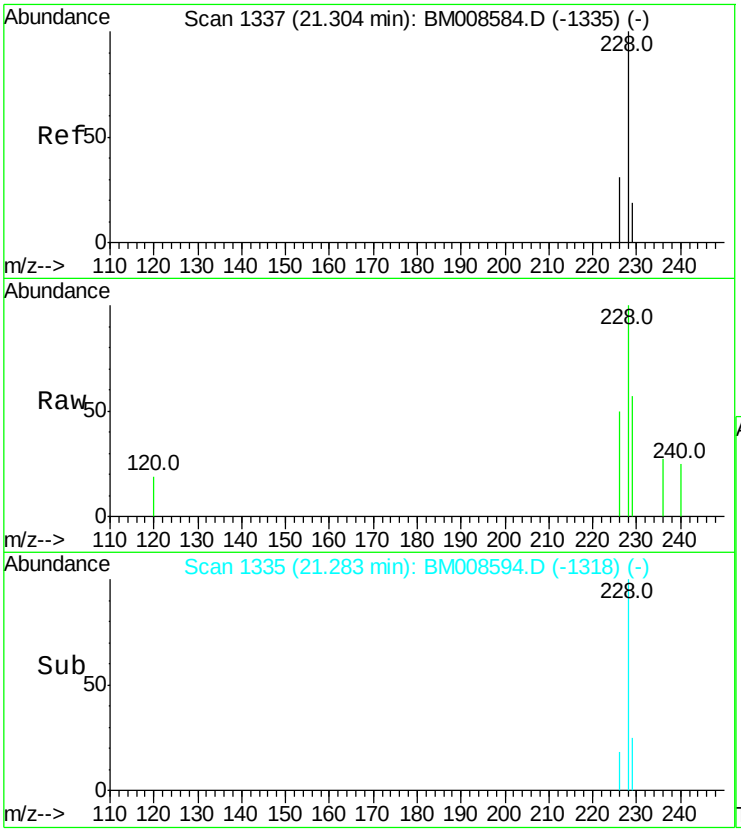



#18
Benzo(a)anthracene
Concen: 0.76 ng/ul
RT: 21.23 min Scan# 1330
Delta R.T. -0.02 min
Lab File: BM008594.D
Acq: 23 Dec 2016 14:19

Tgt Ion:228 Resp: 4673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 48.6 | 22.8 | 34.2# |
| 229 | 67.2 | 17.0 | 25.6# |

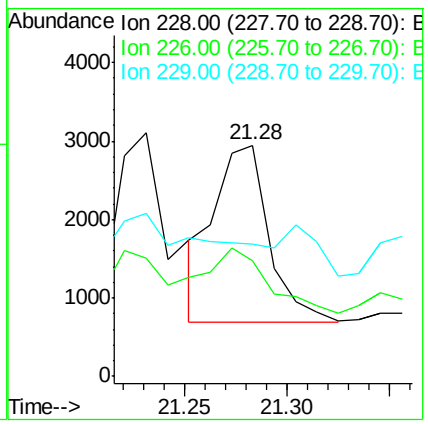





#19
Chrysene
Concen: 0.62 ng/ul
RT: 21.28 min Scan# 1335
Delta R.T. -0.02 min
Lab File: BM008594.D
Acq: 23 Dec 2016 14:19

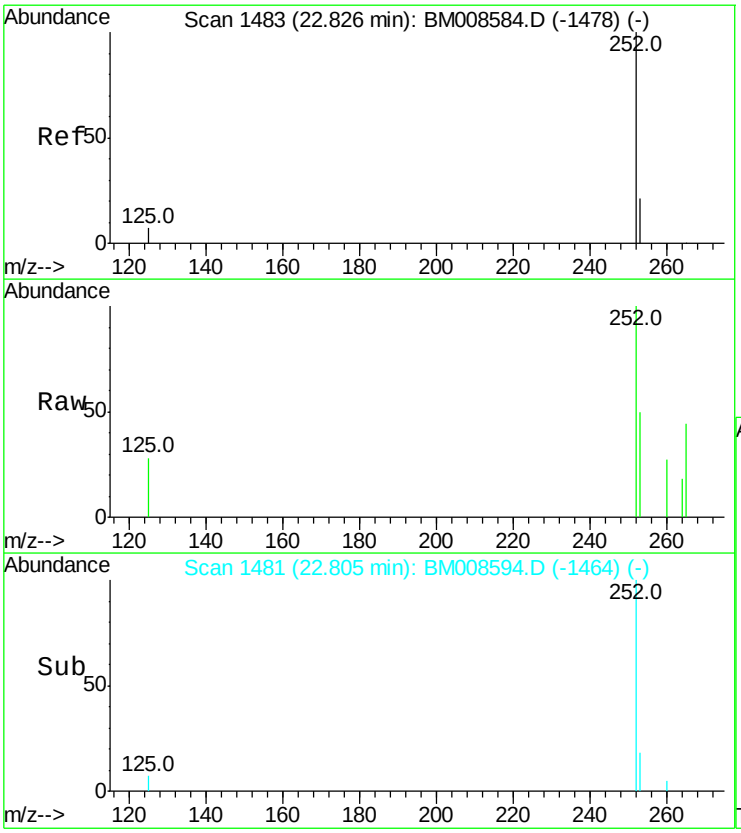
Tgt Ion:228 Resp: 4203

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 49.7 | 23.4 | 35.0# |
| 229 | 57.4 | 17.7 | 26.5# |




**Instrument :**
BNA_M
**ClientSampleId :**
DA861DL

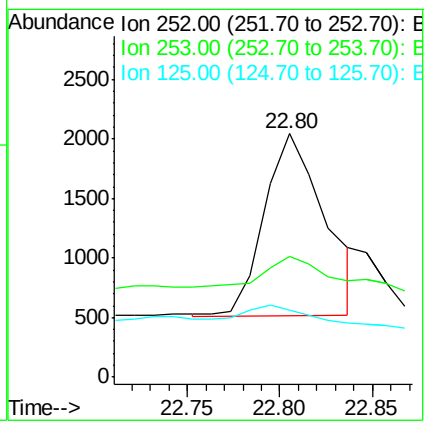
**Manual Integrations APPROVED**
sohil
12/26/2016 4:03:01 PM

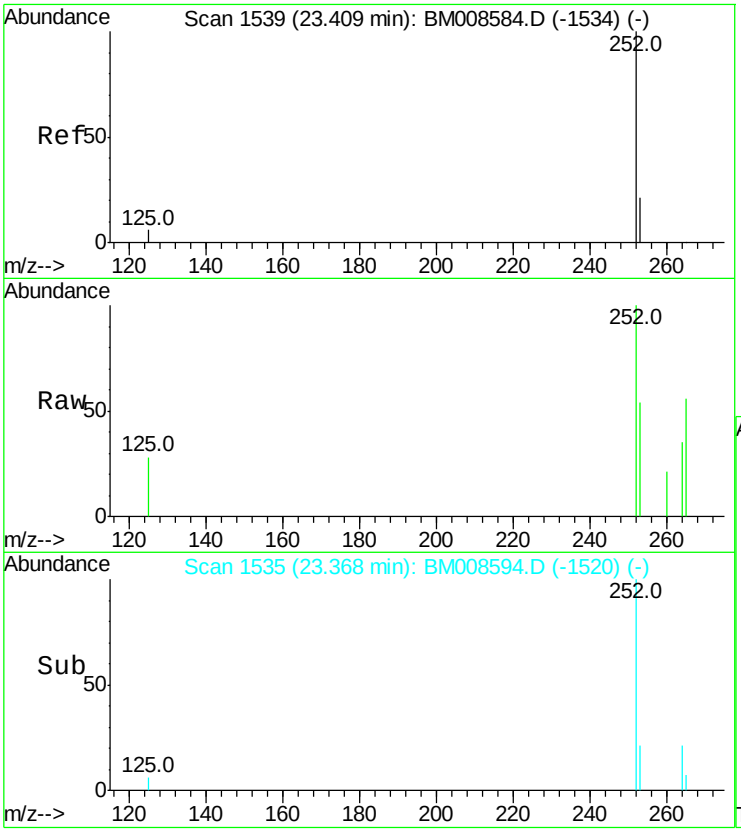



#21
Benzo(b)fluoranthene
Concen: 0.47 ng/ul m
RT: 22.80 min Scan# 1481
Delta R.T. -0.02 min
Lab File: BM008594.D
Acq: 23 Dec 2016 14:19

Tgt Ion:252 Resp: 3452

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 49.7 | 0.0 | 64.2 |
| 125 | 27.8 | 0.0 | 35.0 |

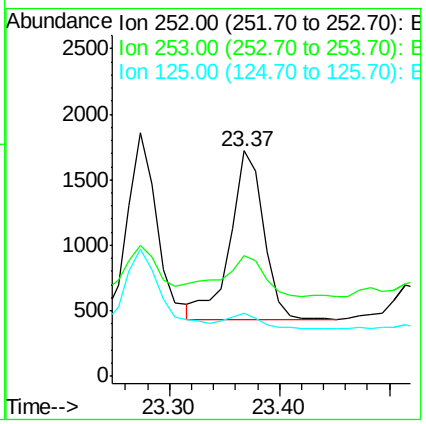





#23
Benzo(a)pyrene
Concen: 0.40 ng/ul
RT: 23.37 min Scan# 1535
Delta R.T. -0.04 min
Lab File: BM008594.D
Acq: 23 Dec 2016 14:19

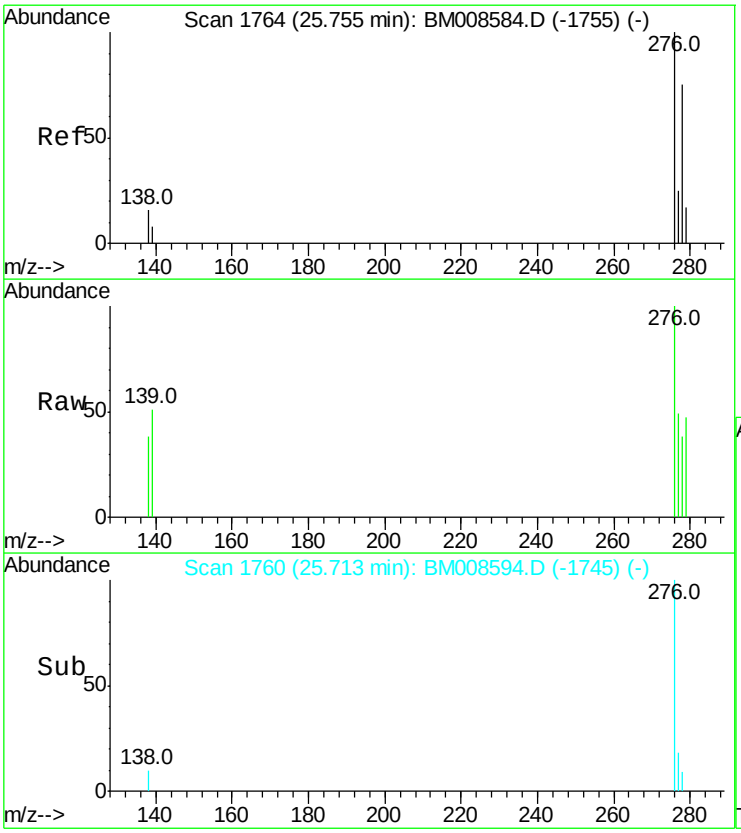
Tgt Ion:252 Resp: 2734

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 53.6 | 28.5 | 42.7# |
| 125 | 28.0 | 18.1 | 27.1# |




**Instrument :**
BNA_M
**ClientSampleId :**
DA861DL

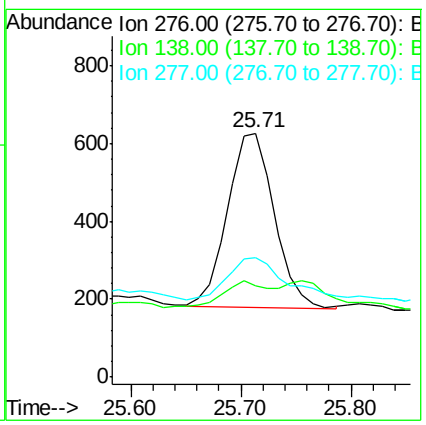
**Manual Integrations APPROVED**
sohil
12/26/2016 4:03:01 PM

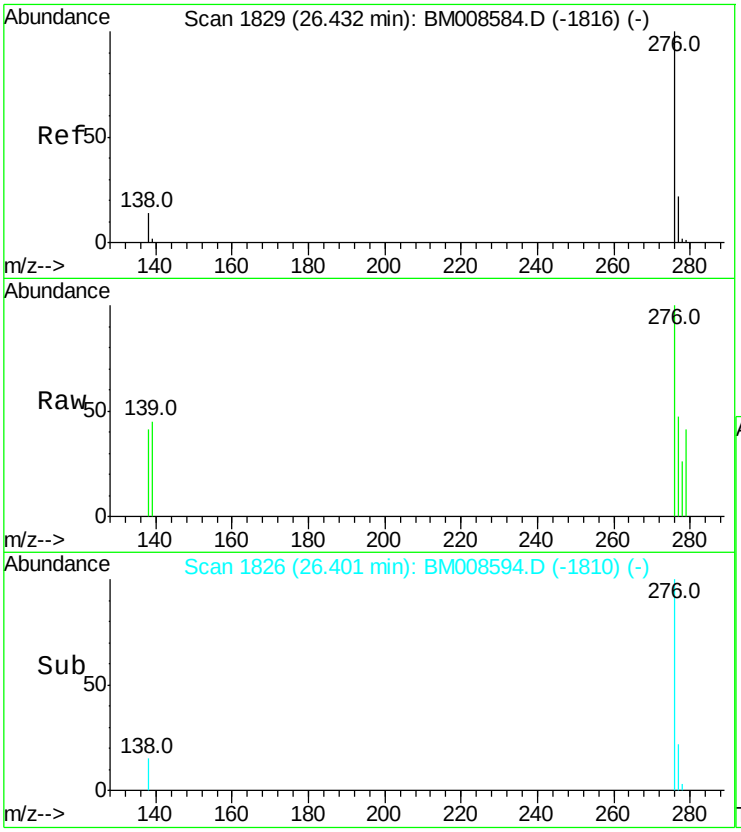



#24
Indeno(1,2,3-cd)pyrene
Concen: 0.16 ng/ul
RT: 25.71 min Scan# 1760
Delta R.T. -0.04 min
Lab File: BM008594.D
Acq: 23 Dec 2016 14:19

Tgt Ion:276 Resp: 1319

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 15.9 | 19.1 | 28.7# |
| 277 | 40.2 | 19.6 | 29.4# |

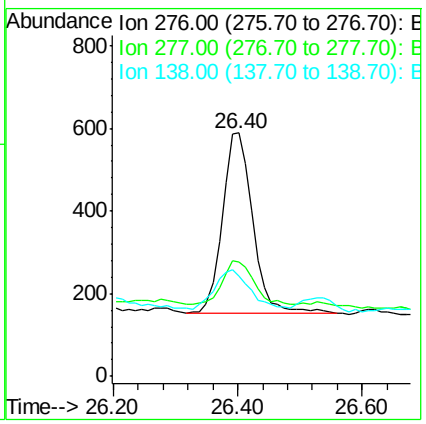





#26
Benzo(g,h,i)perylene
Concen: 0.21 ng/ul
RT: 26.40 min Scan# 1826
Delta R.T. -0.03 min
Lab File: BM008594.D
Acq: 23 Dec 2016 14:19

Tgt Ion:276 Resp: 1465

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 46.9 | 21.8 | 32.8# |
| 138 | 40.9 | 20.5 | 30.7# |




**Instrument :**
BNA_M
**ClientSampleId :**
DA861DL

**Manual Integrations APPROVED**
sohil
12/26/2016 4:03:01 PM