Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061716\
Data File : BM005832.D
Acq On : 16 Jun 2016 16:48
Operator : UM/SJ
Sample : SSTD00545
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** SSTD00545

Quant Time: Jun 17 01:25:42 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061716.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jun 17 01:25:11 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.73 | 152 | 12653 | 20.00 | ng/ul | 0.00 |
| 7) Naphthalene-d8 | 10.52 | 136 | 57885 | 20.00 | ng/ul | 0.00 |
| 15) Acenaphthene-d10 | 14.37 | 164 | 42493 | 20.00 | ng/ul | 0.00 |
| 23) Phenanthrene-d10 | 17.12 | 188 | 108760 | 20.00 | ng/ul | 0.00 |
| 29) Chrysene-d12 | 21.31 | 240 | 149221 | 20.00 | ng/ul | 0.00 |
| 34) Perylene-d12 | 23.56 | 264 | 161454 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 2) 1,4-Dioxane-d8 | 3.18 | 96 | 408 | 1.51 | ng/uL | 0.00 |
| 3) Phenol-d5 | 6.92 | 99 | 4207 | 4.09 | ng/ul | 0.00 |
| 4) Bis-(2-Chloroethyl)ether-d | 7.06 | 67 | 2538 | 4.25 | ng/ul | 0.00 |
| 5) 2-Chlorophenol-d4 | 7.27 | 132 | 4027 | 4.65 | ng/ul | 0.00 |
| 6) 4-Methylphenol-d8 | 8.46 | 113 | 3282 | 3.73 | ng/ul | 0.01 |
| 8) Nitrobenzene-d5 | 8.90 | 128 | 1521 | 3.71 | ng/ul | 0.01 |
| 9) 2-Nitrophenol-d4 | 9.62 | 143 | 1879 | 4.06 | ng/ul | 0.00 |
| 10) 2,4-Dichlorophenol-d3 | 10.17 | 165 | 4020 | 4.48 | ng/ul | 0.02 |
| 12) 4-Chloroaniline-d4 | 10.69 | 131 | 2021 | 2.31 | ng/ul | 0.02 |
| 16) Dimethylphthalate-d6 | 13.79 | 166 | 20484 | 5.89 | ng/ul | 0.00 |
| 17) Acenaphthylene-d8 | 14.07 | 160 | 23360 | 5.37 | ng/ul | 0.00 |
| 20) 4-Nitrophenol-d4 | 14.65 | 143 | 825 | 2.02 | ng/ul | 0.02 |
| 21) Fluorene-d10 | 15.37 | 176 | 17827 | 6.07 | ng/ul | 0.00 |
| 24) 4,6-Dinitro-2-methylphenol | 15.53 | 200 | 2157 | 4.07 | ng/ul | 0.01 |
| 26) Anthracene-d10 | 17.22 | 188 | 29951 | 5.82 | ng/ul | 0.00 |
| 30) Pyrene-d10 | 19.52 | 212 | 35309 | 4.84 | ng/ul | 0.00 |
| 37) Benzo(a)pyrene-d12 | 23.42 | 264 | 41833 | 5.52 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 11) Naphthalene | 10.57 | 128 | 15801 | 5.40 | ng/ul | 99 |
| 13) 2-Methylnaphthalene | 12.19 | 142 | 11634 | 5.45 | ng/ul | 99 |
| 14) 1-Methylnaphthalene | 12.41 | 142 | 12859 | 5.91 | ng/ul | 96 |
| 18) Acenaphthylene | 14.10 | 152 | 24067 | 5.50 | ng/ul | 98 |
| 19) Acenaphthene | 14.44 | 153 | 16035 | 5.56 | ng/ul | 100 |
| 22) Fluorene | 15.43 | 166 | 19929 | 6.23 | ng/ul | 96 |
| 25) Phenanthrene | 17.16 | 178 | 33605 | 5.56 | ng/ul | 98 |
| 27) Anthracene | 17.26 | 178 | 33877 | 5.63 | ng/ul | 100 |
| 28) Fluoranthene | 19.19 | 202 | 41985 | 6.32 | ng/ul# | 96 |
| 31) Pyrene | 19.54 | 202 | 44263 | 4.83 | ng/ul | 99 |
| 32) Benzo(a)anthracene | 21.29 | 228 | 47808 | 5.47 | ng/ul | 99 |
| 33) Chrysene | 21.34 | 228 | 46317 | 5.39 | ng/ul | 99 |
| 35) Benzo(b)fluoranthene | 22.89 | 252 | 51272 | 5.27 | ng/ul | 98 |
| 36) Benzo(k)fluoranthene | 22.93 | 252 | 52281 | 5.76 | ng/ul | 98 |
| 38) Benzo(a)pyrene | 23.47 | 252 | 51170 | 5.45 | ng/ul | 98 |
| 39) Indeno(1,2,3-cd)pyrene | 25.85 | 276 | 61847 | 5.73 | ng/ul | 97 |
| 40) Dibenzo(a,h)anthracene | 25.85 | 278 | 49764 | 5.52 | ng/ul | 99 |
| 41) Benzo(g,h,i)perylene | 26.55 | 276 | 53177 | 5.69 | ng/ul | 99 |

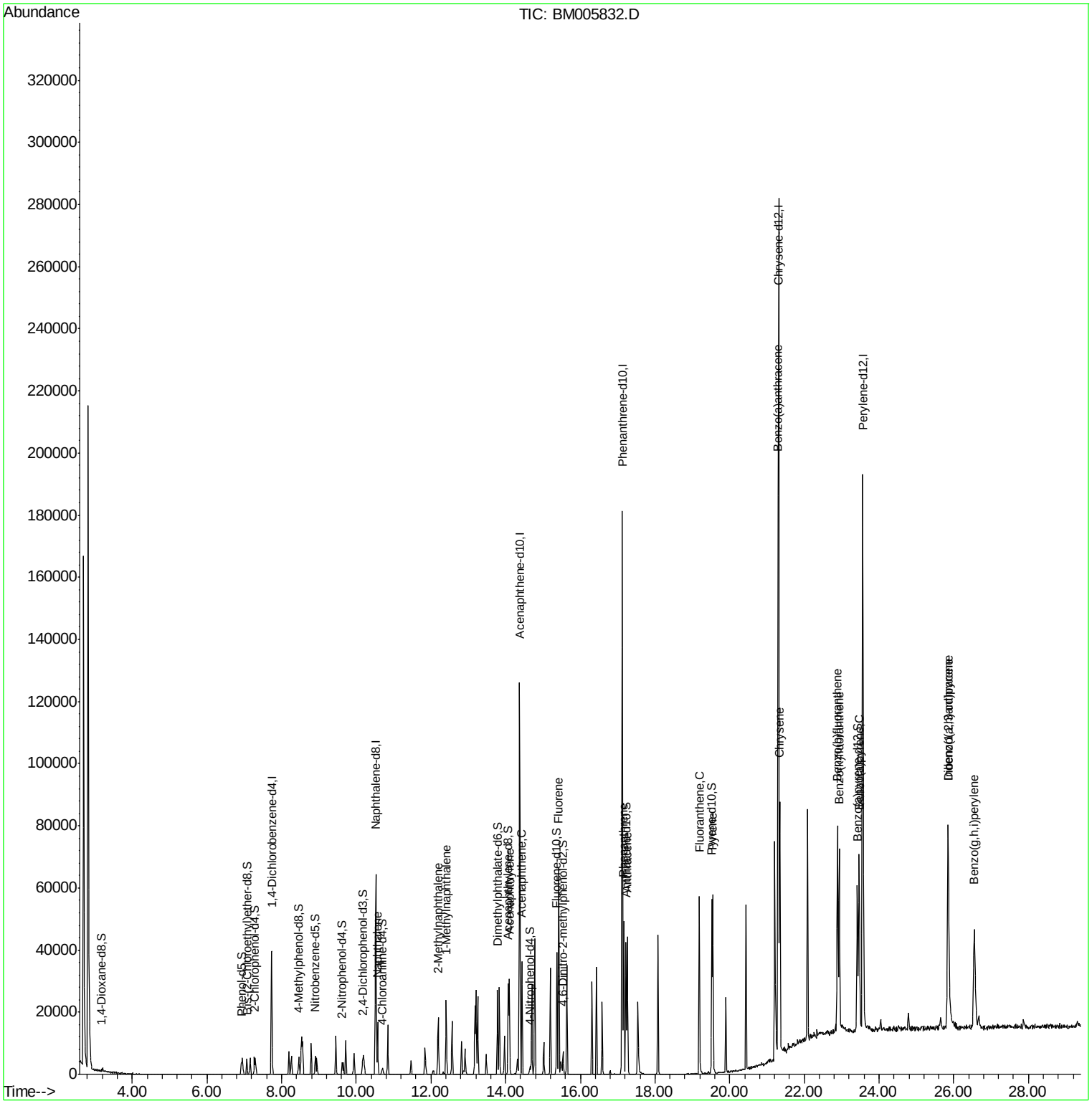
(#) = qualifier out of range (m) = manual integration (+) = signals summed

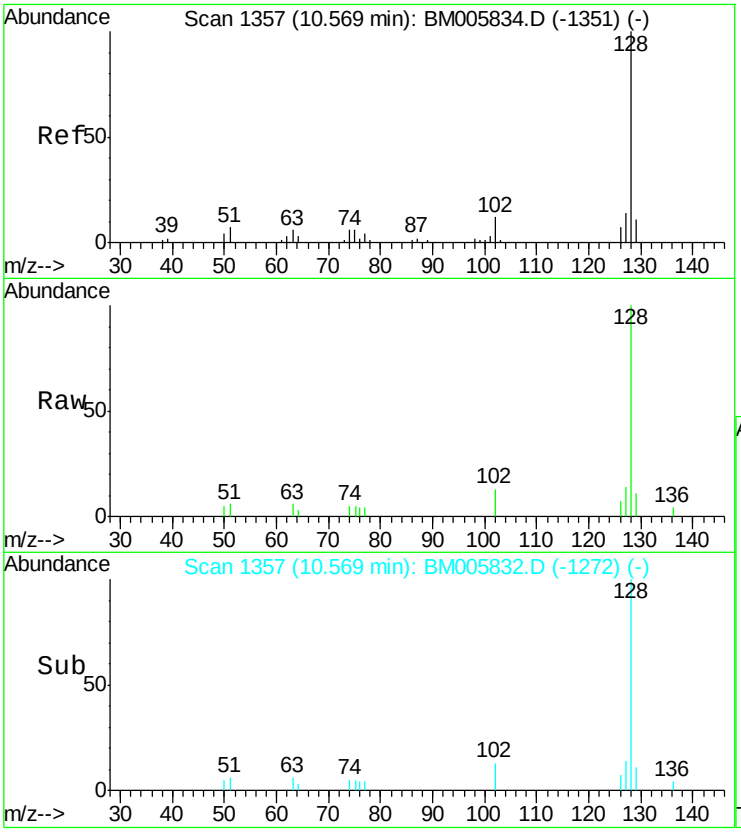
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061716\
Data File : BM005832.D
Acq On : 16 Jun 2016 16:48
Operator : UM/SJ
Sample : SSTD00545
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD00545

Quant Time: Jun 17 01:25:42 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061716.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jun 17 01:25:11 2016
Response via : Initial Calibration



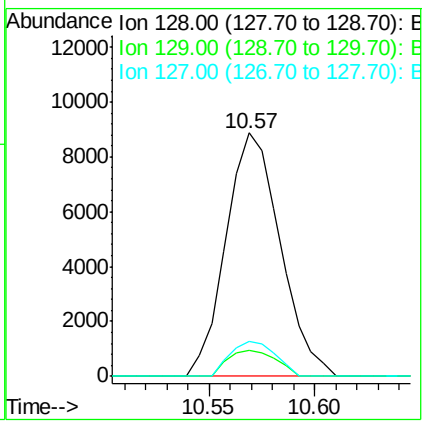


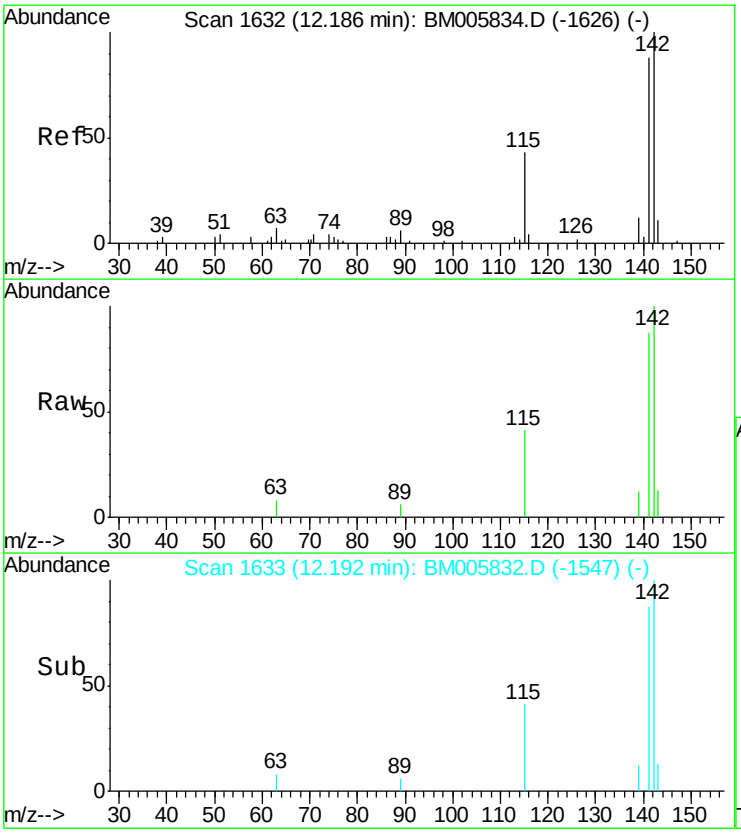

#11
Naphthalene
Concen: 5.40 ng/ul
RT: 10.57 min Scan# 1357
Delta R.T. 0.00 min
Lab File: BM005832.D
Acq: 16 Jun 2016 16:48

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD00545

Tgt Ion:128 Resp: 15801

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.9 | 9.0 | 13.4 |
| 127 | 14.4 | 10.9 | 16.3 |

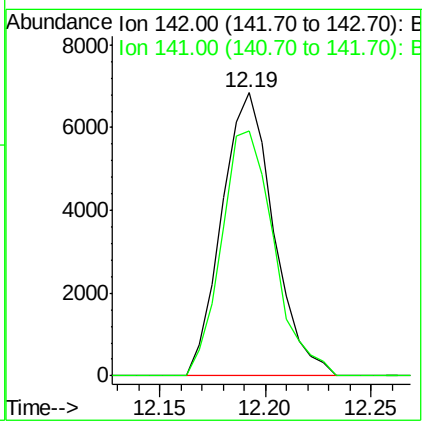


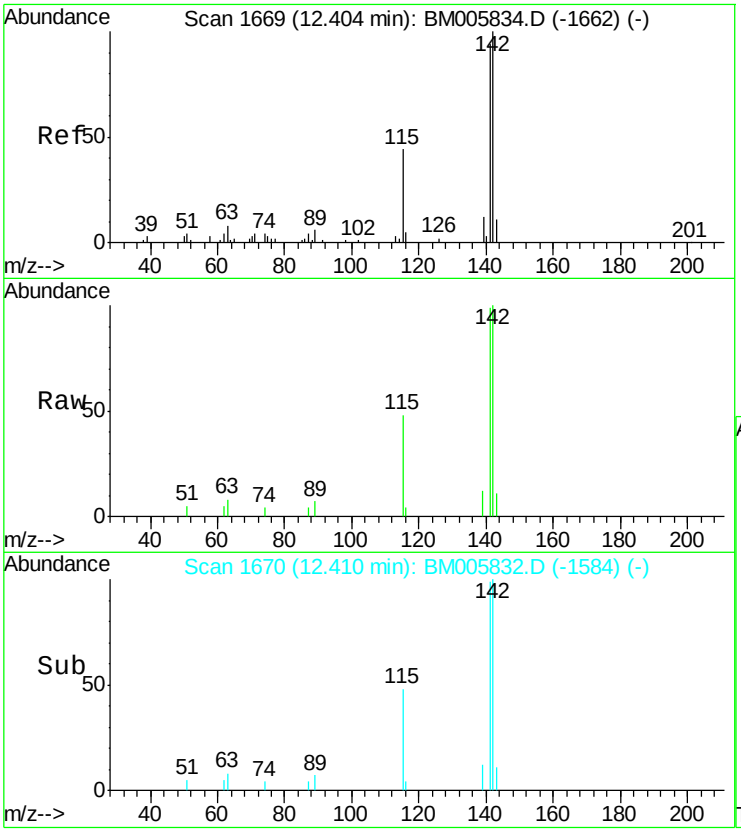




#13
2-Methylnaphthalene
Concen: 5.45 ng/ul
RT: 12.19 min Scan# 1633
Delta R.T. 0.01 min
Lab File: BM005832.D
Acq: 16 Jun 2016 16:48

Tgt Ion:142 Resp: 11634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 86.6 | 70.2 | 105.2 |



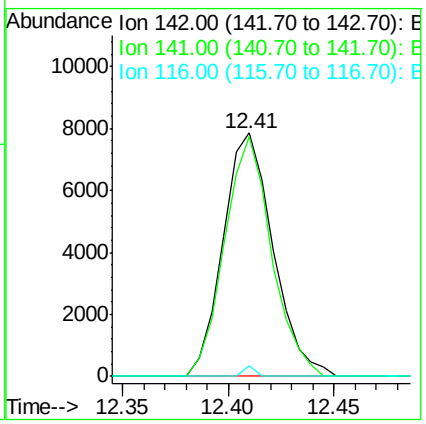


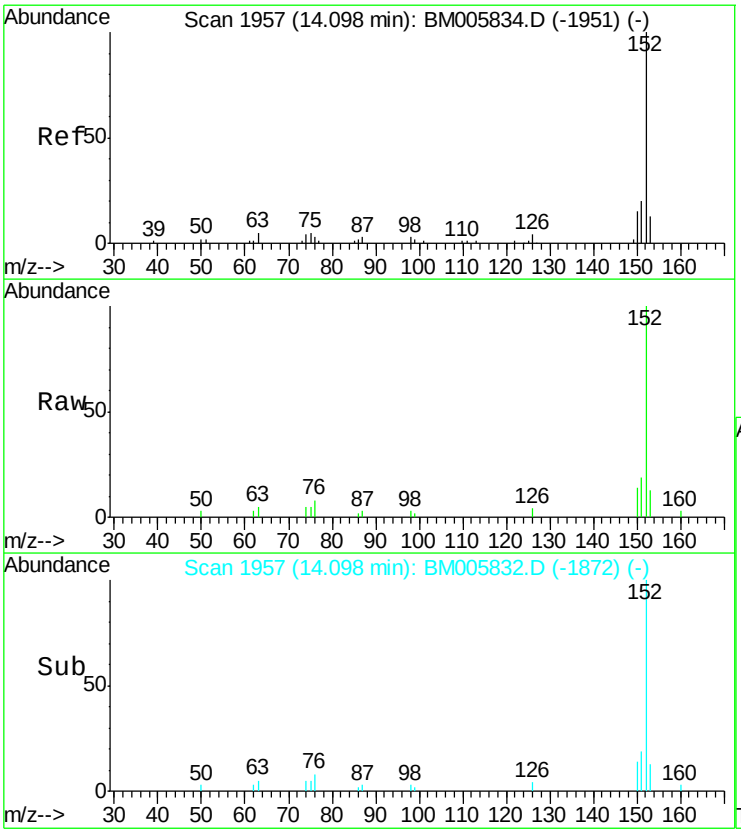

#14
1-Methylnaphthalene
Concen: 5.91 ng/ul
RT: 12.41 min Scan# 1670
Delta R.T. 0.01 min
Lab File: BM005832.D
Acq: 16 Jun 2016 16:48

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD00545

Tgt Ion:142 Resp: 12859

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 98.6 | 75.4 | 113.2 |
| 116 | 4.1 | 3.7 | 5.5 |

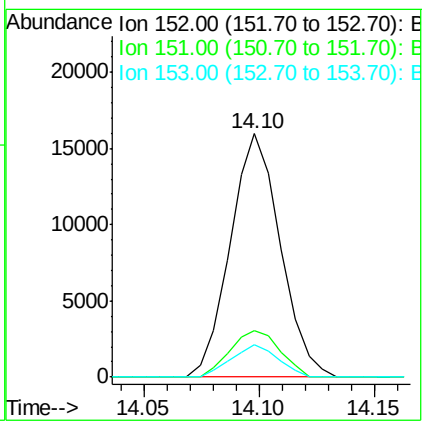


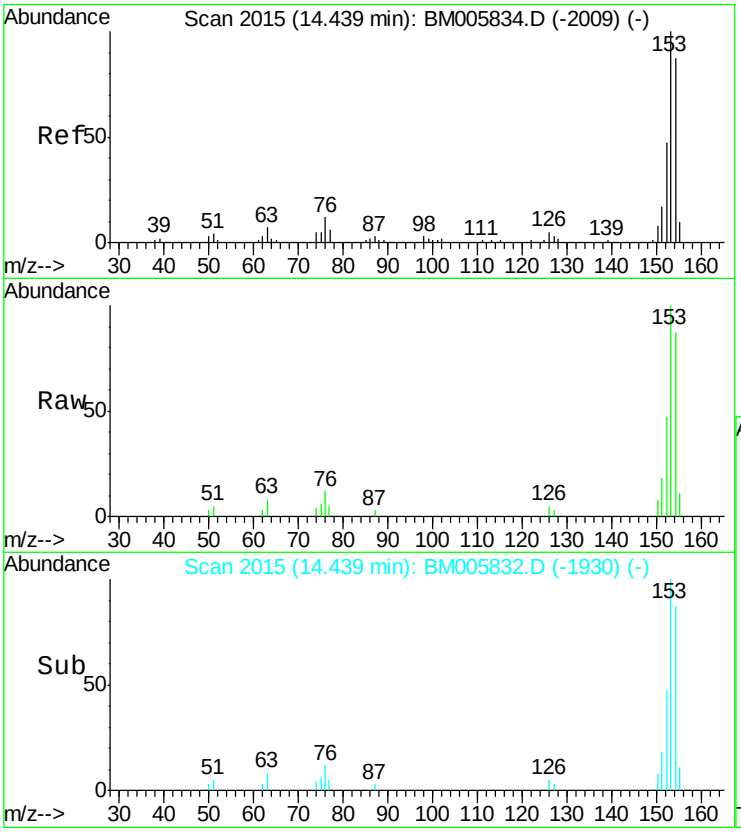




#18
Acenaphthylene
Concen: 5.50 ng/ul
RT: 14.10 min Scan# 1957
Delta R.T. 0.00 min
Lab File: BM005832.D
Acq: 16 Jun 2016 16:48

Tgt Ion:152 Resp: 24067

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.1 | 16.3 | 24.5 |
| 153 | 13.3 | 10.2 | 15.2 |



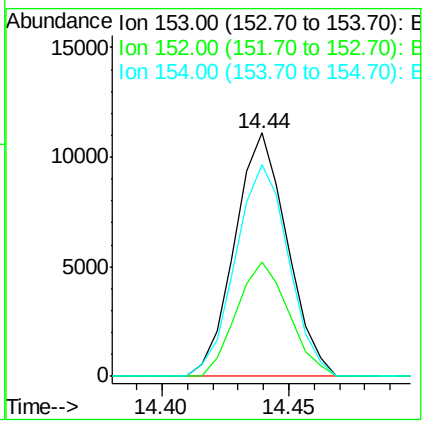


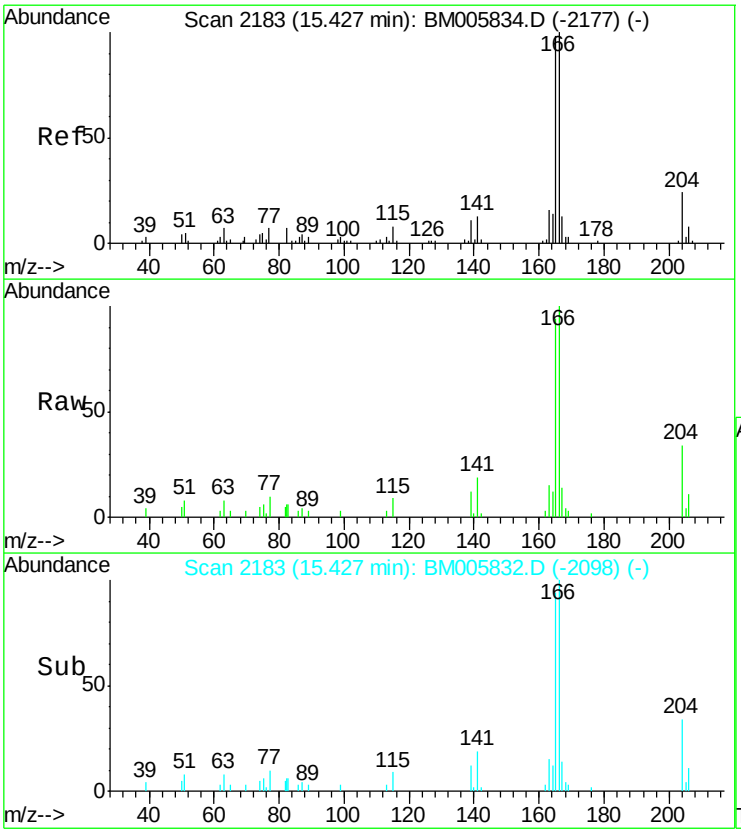

#19
Acenaphthene
Concen: 5.56 ng/ul
RT: 14.44 min Scan# 2015
Delta R.T. 0.00 min
Lab File: BM005832.D
Acq: 16 Jun 2016 16:48

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD00545

Tgt Ion:153 Resp: 16035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 46.8 | 37.4 | 56.0 |
| 154 | 87.1 | 69.7 | 104.5 |

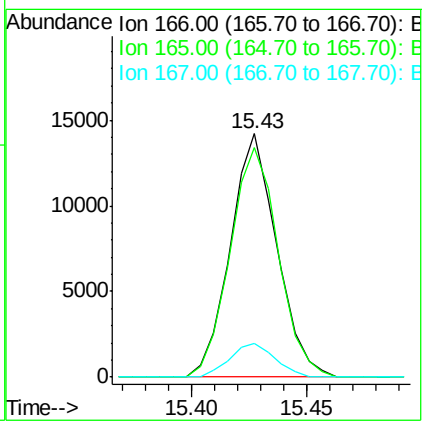


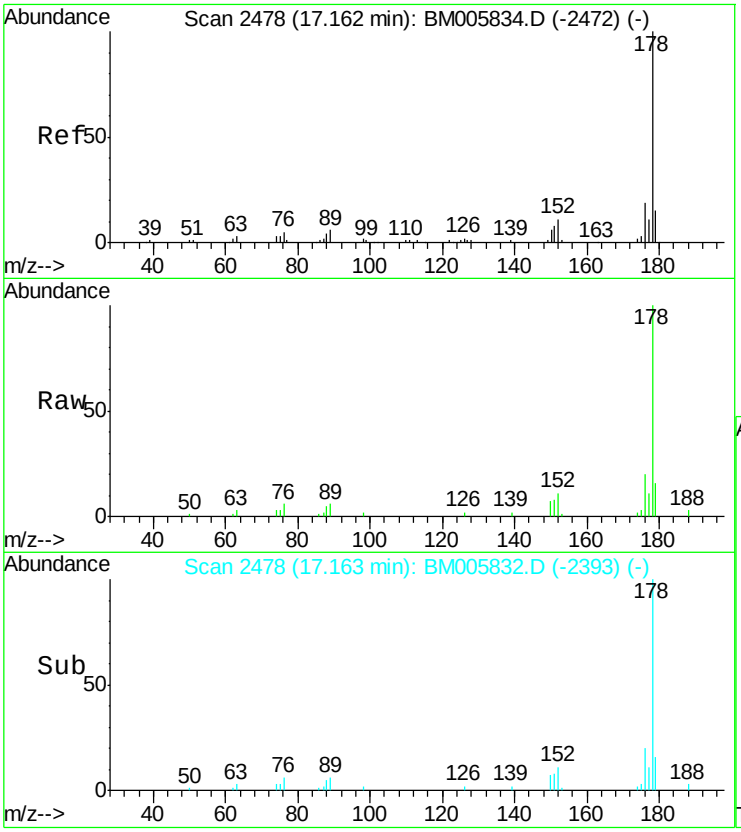




#22
Fluorene
Concen: 6.23 ng/ul
RT: 15.43 min Scan# 2183
Delta R.T. 0.00 min
Lab File: BM005832.D
Acq: 16 Jun 2016 16:48

Tgt Ion:166 Resp: 19929

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 94.3 | 78.5 | 117.7 |
| 167 | 14.1 | 10.7 | 16.1 |



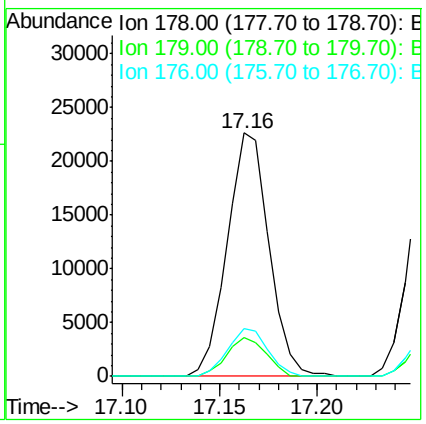


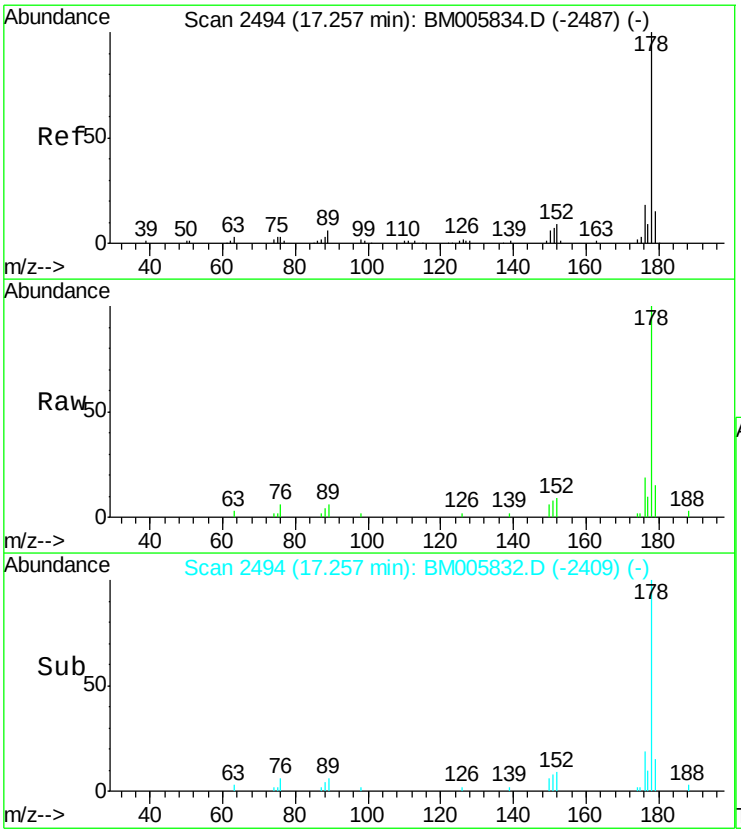

#25
Phenanthrene
Concen: 5.56 ng/ul
RT: 17.16 min Scan# 2478
Delta R.T. 0.00 min
Lab File: BM005832.D
Acq: 16 Jun 2016 16:48

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD00545

Tgt Ion:178 Resp: 33605

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.9 | 12.0 | 18.0 |
| 176 | 19.7 | 14.9 | 22.3 |

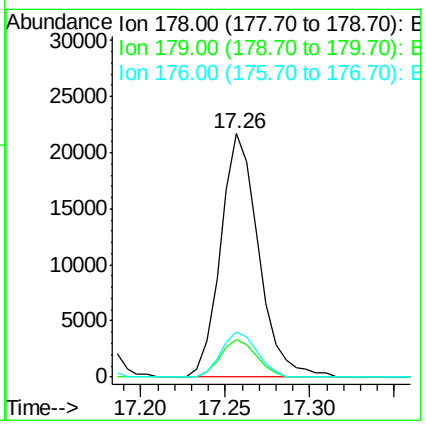


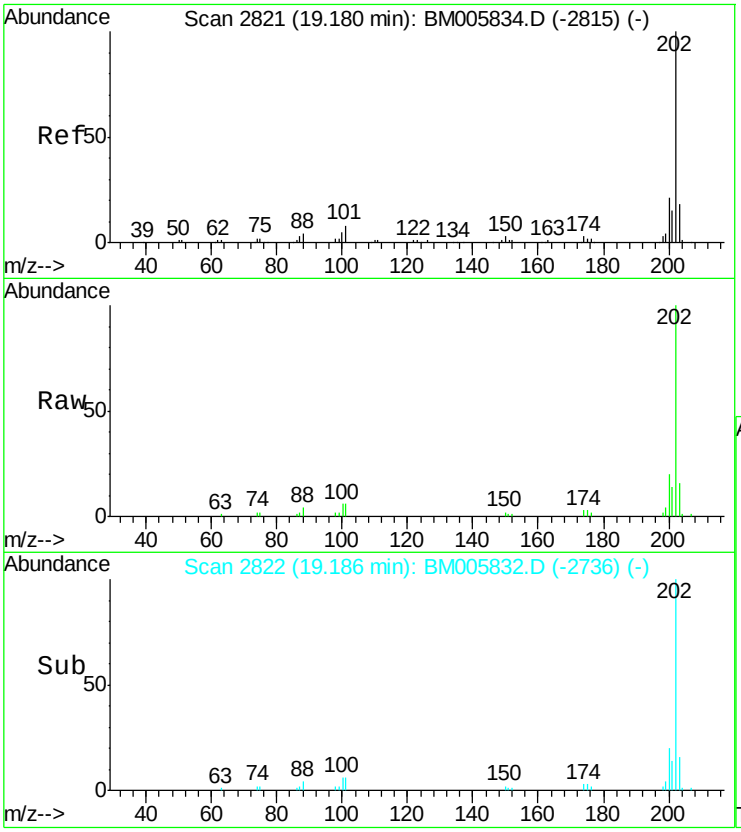




#27
Anthracene
Concen: 5.63 ng/ul
RT: 17.26 min Scan# 2494
Delta R.T. 0.00 min
Lab File: BM005832.D
Acq: 16 Jun 2016 16:48

Tgt Ion:178 Resp: 33877

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.2 | 11.9 | 17.9 |
| 176 | 18.6 | 14.8 | 22.2 |



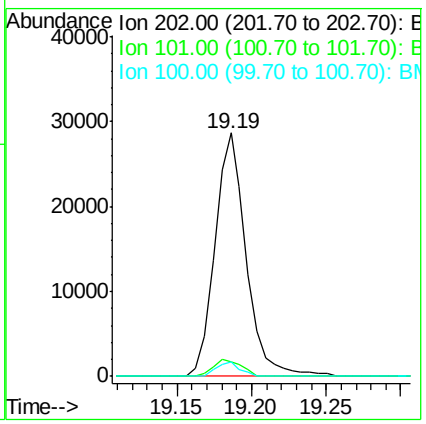


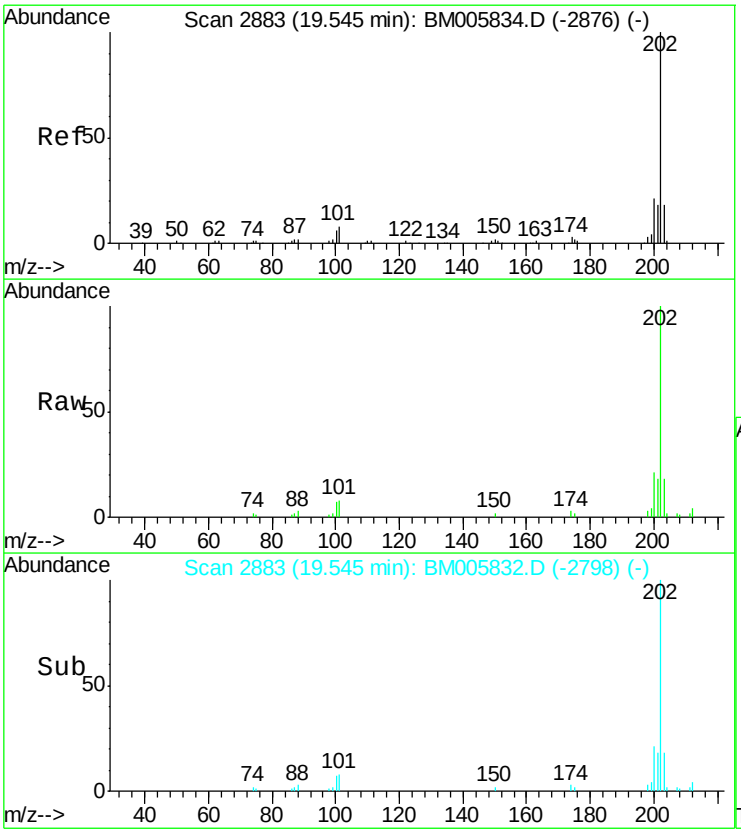

#28
Fluoranthene
Concen: 6.32 ng/ul
RT: 19.19 min Scan# 2822
Delta R.T. 0.01 min
Lab File: BM005832.D
Acq: 16 Jun 2016 16:48

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD00545

Tgt Ion:202 Resp: 41985

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 5.8 | 6.1 | 9.1# |
| 100 | 5.8 | 4.2 | 6.2 |

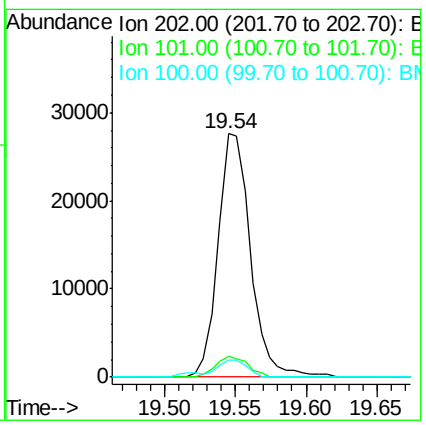


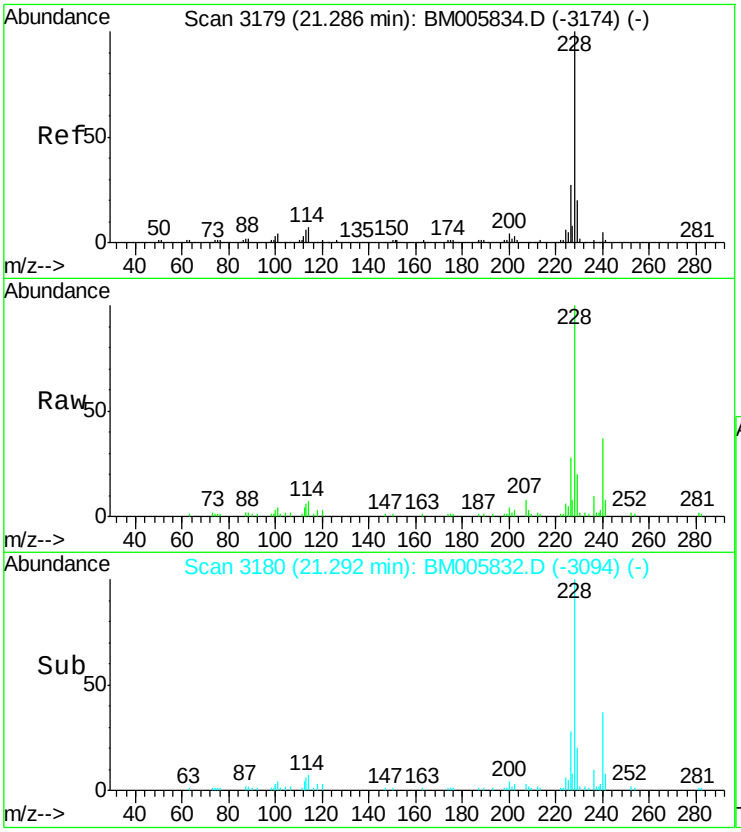




#31
Pyrene
Concen: 4.83 ng/ul
RT: 19.54 min Scan# 2883
Delta R.T. 0.00 min
Lab File: BM005832.D
Acq: 16 Jun 2016 16:48

Tgt Ion:202 Resp: 44263

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 8.5 | 6.5 | 9.7 |
| 100 | 7.0 | 5.4 | 8.2 |



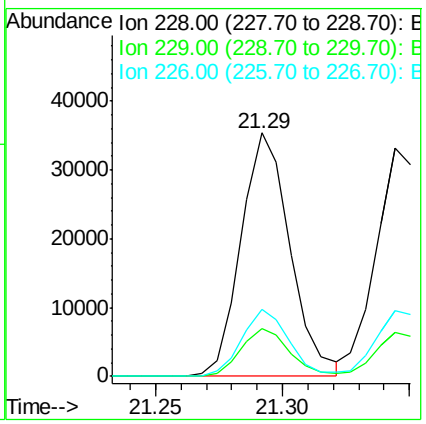


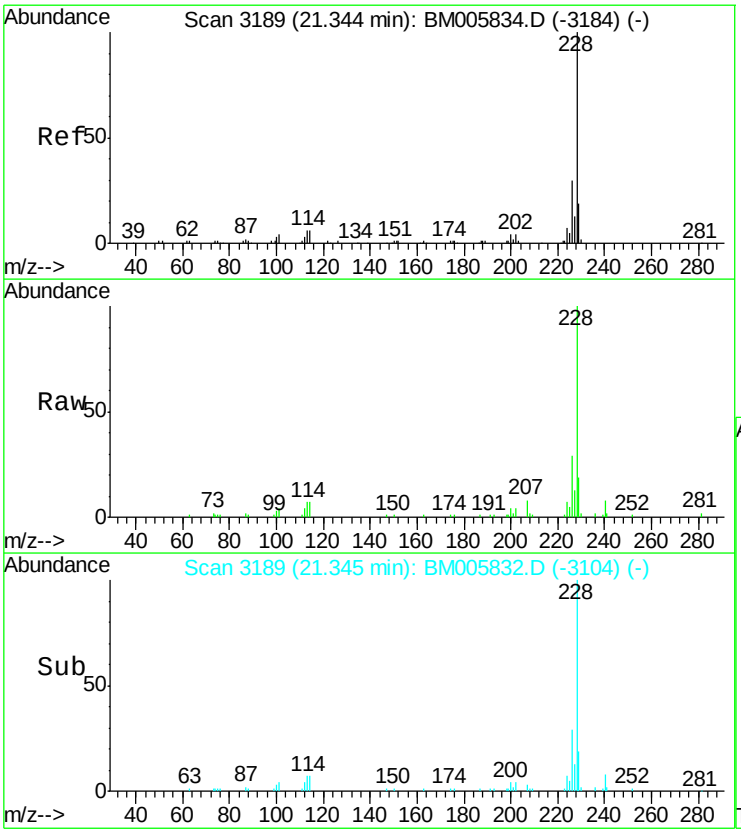

#32
Benzo(a)anthracene
Concen: 5.47 ng/ul
RT: 21.29 min Scan# 3180
Delta R.T. 0.01 min
Lab File: BM005832.D
Acq: 16 Jun 2016 16:48

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD00545

Tgt Ion:228 Resp: 47808

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 19.9 | 15.8 | 23.6 |
| 226 | 27.6 | 21.8 | 32.6 |

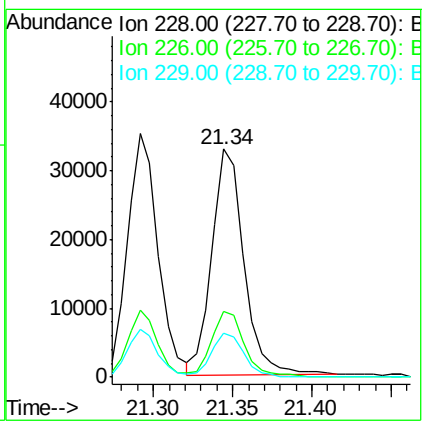


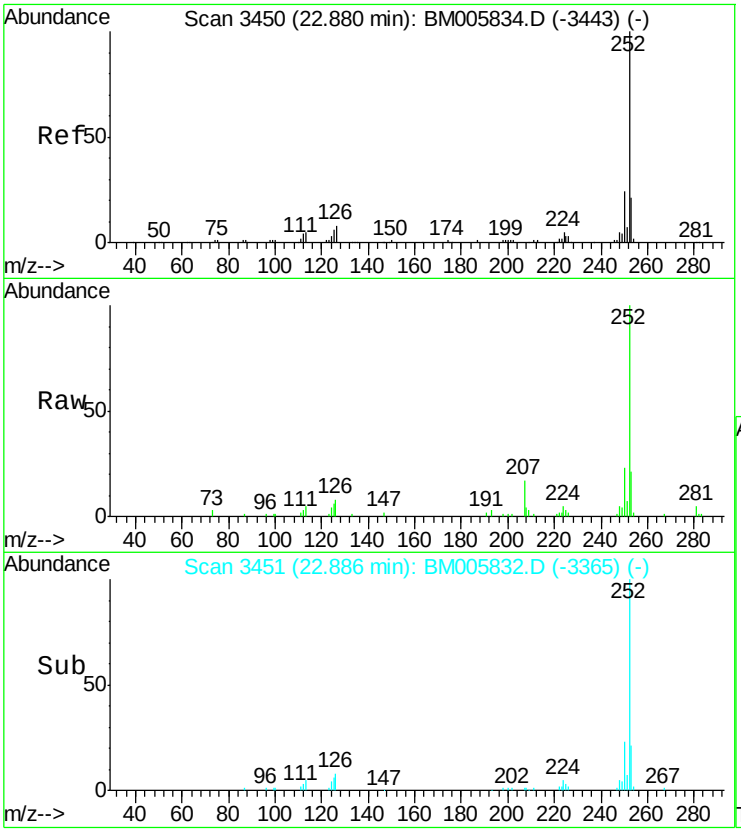




#33
Chrysene
Concen: 5.39 ng/ul
RT: 21.34 min Scan# 3189
Delta R.T. 0.00 min
Lab File: BM005832.D
Acq: 16 Jun 2016 16:48

Tgt Ion:228 Resp: 46317

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 28.9 | 23.5 | 35.3 |
| 229 | 19.4 | 15.4 | 23.0 |



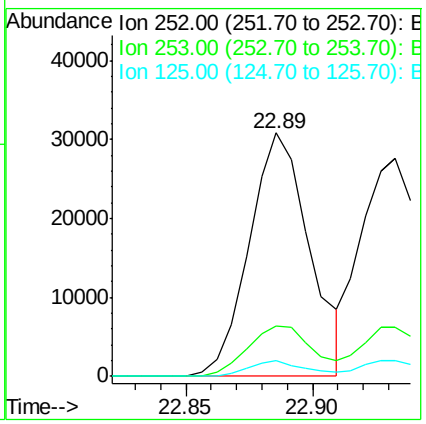


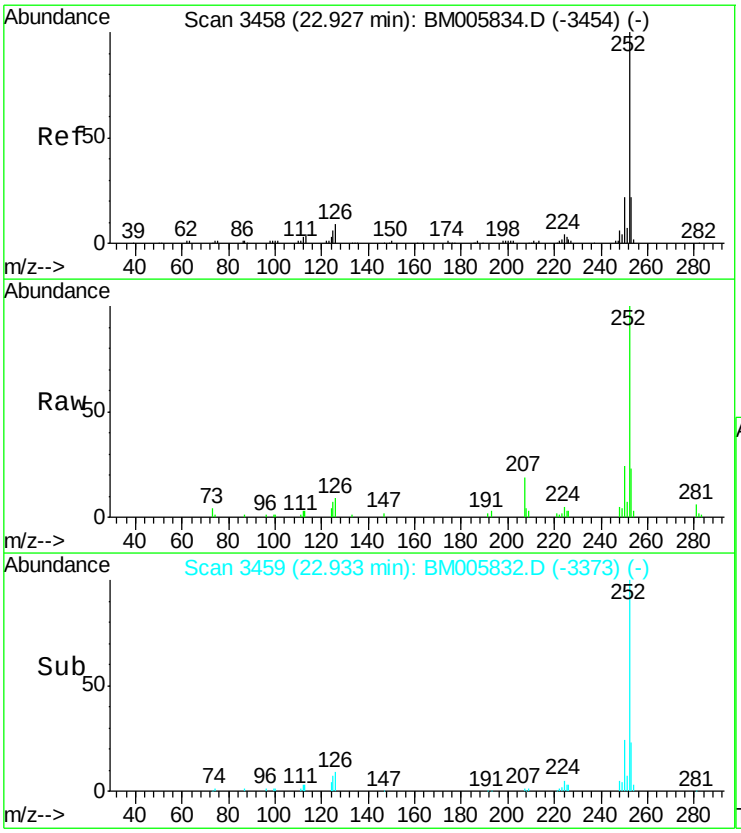

#35
Benzo(b)fluoranthene
Concen: 5.27 ng/ul
RT: 22.89 min Scan# 3451
Delta R.T. 0.01 min
Lab File: BM005832.D
Acq: 16 Jun 2016 16:48

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD00545

Tgt Ion:252 Resp: 51272

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 20.5 | 17.1 | 25.7 |
| 125 | 6.4 | 4.9 | 7.3 |

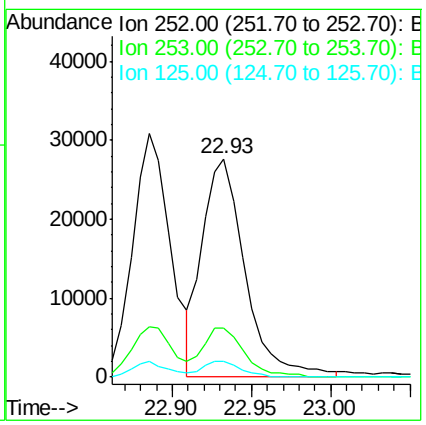


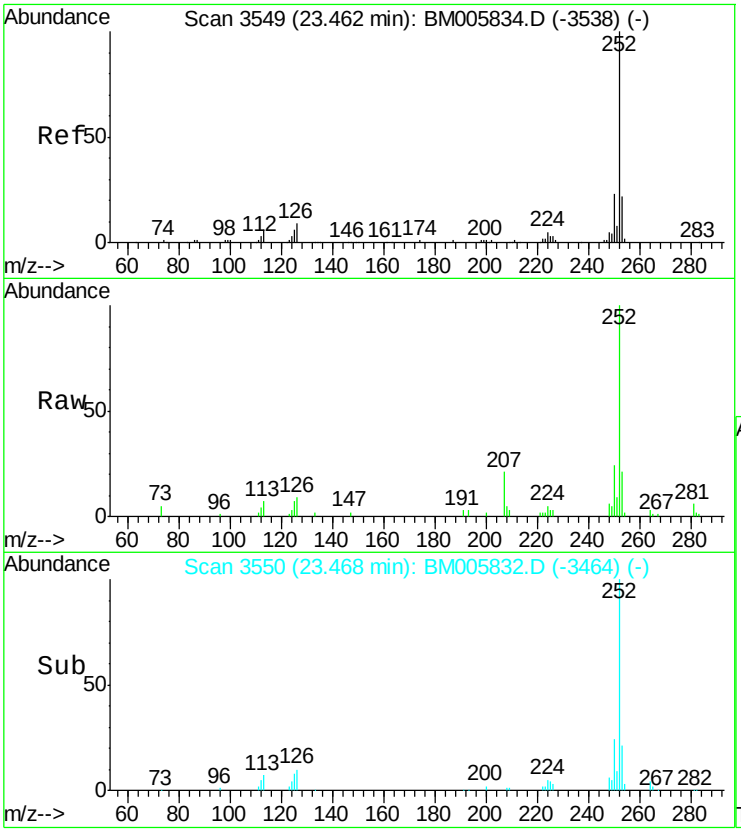




#36
Benzo(k)fluoranthene
Concen: 5.76 ng/ul
RT: 22.93 min Scan# 3459
Delta R.T. 0.01 min
Lab File: BM005832.D
Acq: 16 Jun 2016 16:48

Tgt Ion:252 Resp: 52281

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.6 | 17.5 | 26.3 |
| 125 | 7.0 | 4.8 | 7.2 |



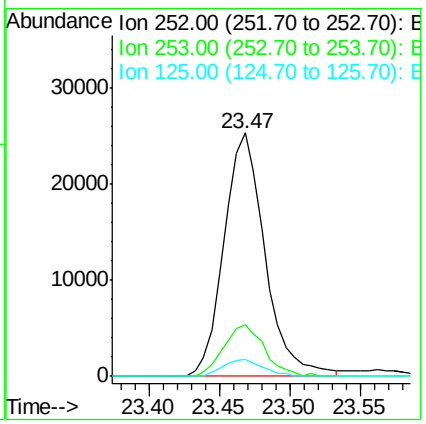


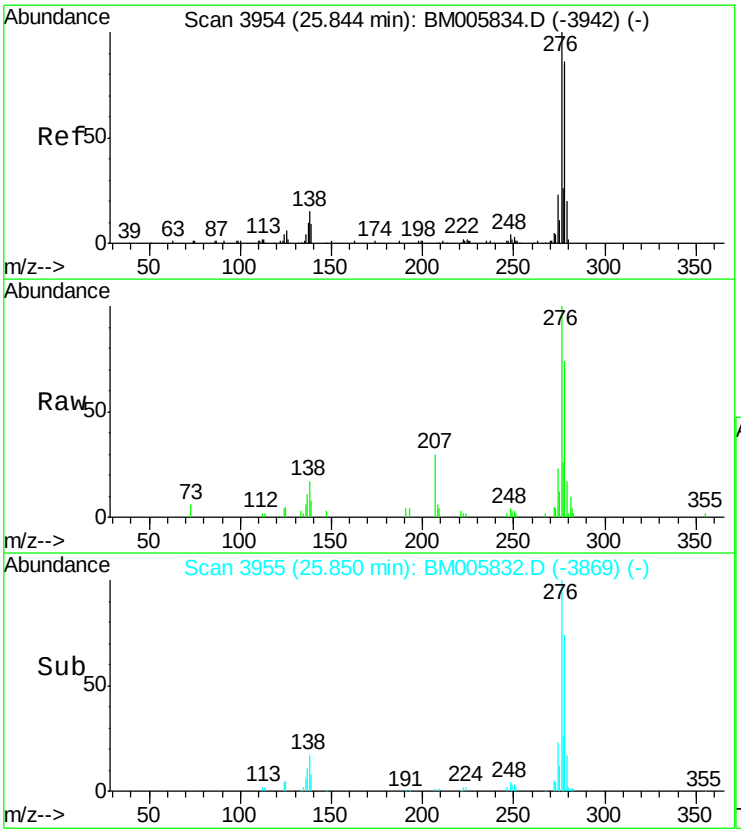

#38
Benzo(a)pyrene
Concen: 5.45 ng/ul
RT: 23.47 min Scan# 3550
Delta R.T. 0.01 min
Lab File: BM005832.D
Acq: 16 Jun 2016 16:48

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD00545

Tgt Ion:252 Resp: 51170

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.2 | 18.0 | 27.0 |
| 125 | 6.8 | 5.1 | 7.7 |

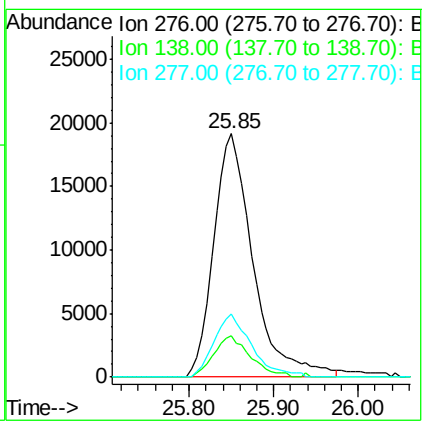


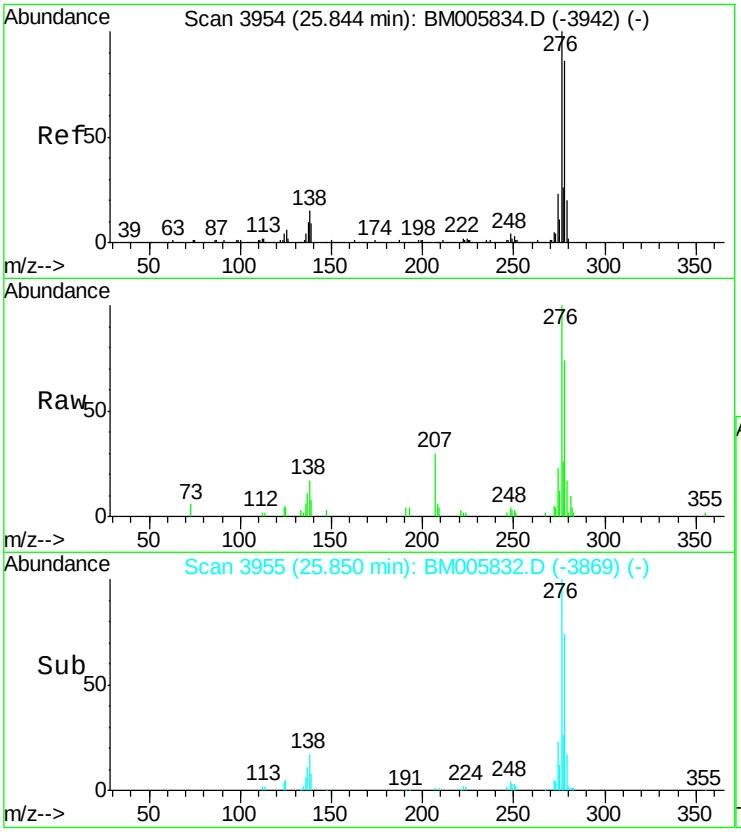




#39
Indeno(1,2,3-cd)pyrene
Concen: 5.73 ng/ul
RT: 25.85 min Scan# 3955
Delta R.T. 0.01 min
Lab File: BM005832.D
Acq: 16 Jun 2016 16:48

Tgt Ion:276 Resp: 61847

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 17.2 | 11.9 | 17.9 |
| 277 | 25.7 | 21.0 | 31.6 |



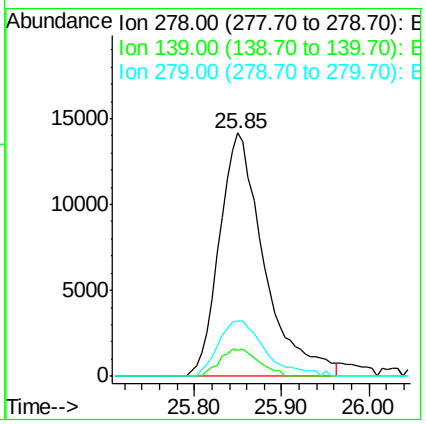


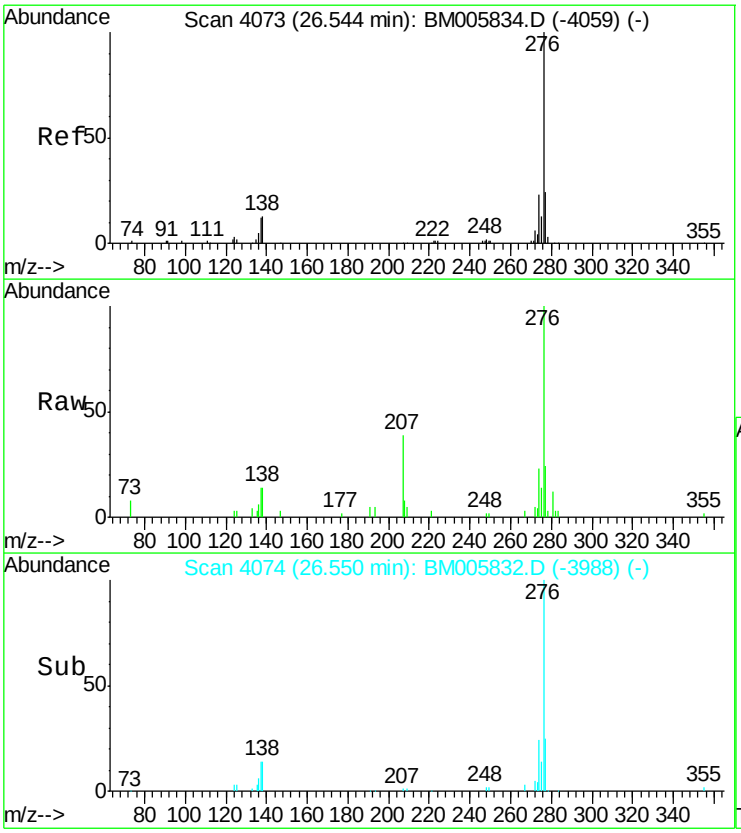

#40
Dibenzo(a,h)anthracene
Concen: 5.52 ng/ul
RT: 25.85 min Scan# 3955
Delta R.T. 0.01 min
Lab File: BM005832.D
Acq: 16 Jun 2016 16:48

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD00545

Tgt Ion:278 Resp: 49764

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 10.8 | 8.2 | 12.4 |
| 279 | 22.8 | 18.6 | 27.8 |




#41
Benzo(g,h,i)perylene
Concen: 5.69 ng/ul
RT: 26.55 min Scan# 4074
Delta R.T. 0.01 min
Lab File: BM005832.D
Acq: 16 Jun 2016 16:48

Tgt Ion:276 Resp: 53177

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 13.8 | 10.6 | 15.8 |
| 277 | 24.0 | 19.6 | 29.4 |