Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072216\
Data File : BM006635.D
Acq On : 22 Jul 2016 21:46
Operator : UM/SJ
Sample : H4077-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** D9YS9

**Manual Integrations APPROVED**
sohil
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Quant Time: Jul 23 01:07:05 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jul 23 00:16:38 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.62 | 152 | 219846 | 20.00 | ng/ul | 0.00 |
| 7) Naphthalene-d8 | 10.40 | 136 | 971274 | 20.00 | ng/ul | 0.00 |
| 15) Acenaphthene-d10 | 14.27 | 164 | 533819 | 20.00 | ng/ul | 0.00 |
| 23) Phenanthrene-d10 | 17.03 | 188 | 1133336 | 20.00 | ng/ul | 0.01 |
| 29) Chrysene-d12 | 21.23 | 240 | 1119257 | 20.00 | ng/ul | 0.00 |
| 34) Perylene-d12 | 23.43 | 264 | 1202639 | 20.00 | ng/ul | 0.01 |
| **System Monitoring Compounds** | | | | | | |
| 2) 1,4-Dioxane-d8 | 3.14 | 96 | 10995 | 2.02 | ng/uL | 0.00 |
| 3) Phenol-d5 | 6.80 | 99 | 424875 | 22.72 | ng/ul | 0.00 |
| 4) Bis-(2-Chloroethyl)ether-d | 6.96 | 67 | 282801 | 24.41 | ng/ul | 0.00 |
| 5) 2-Chlorophenol-d4 | 7.16 | 132 | 344338 | 23.04 | ng/ul | 0.00 |
| 6) 4-Methylphenol-d8 | 8.33 | 113 | 301626 | 20.79 | ng/ul | 0.00 |
| 8) Nitrobenzene-d5 | 8.77 | 128 | 173291 | 23.57 | ng/ul | 0.00 |
| 9) 2-Nitrophenol-d4 | 9.49 | 143 | 177971 | 22.76 | ng/ul | 0.00 |
| 10) 2,4-Dichlorophenol-d3 | 10.03 | 165 | 323624 | 21.90 | ng/ul | 0.01 |
| 12) 4-Chloroaniline-d4 | 10.55 | 131 | 357097 | 21.95 | ng/ul | 0.01 |
| 16) Dimethylphthalate-d6 | 13.69 | 166 | 944453 | 22.56 | ng/ul | 0.00 |
| 17) Acenaphthylene-d8 | 13.96 | 160 | 1230505 | 23.03 | ng/ul | 0.00 |
| 20) 4-Nitrophenol-d4 | 14.51 | 143 | 121811 | 16.76 | ng/ul | 0.02 |
| 21) Fluorene-d10 | 15.27 | 176 | 848095 | 22.66 | ng/ul | 0.01 |
| 24) 4,6-Dinitro-2-methylphenol | 15.42 | 200 | 22376 | 3.80 | ng/ul | 0.01 |
| 26) Anthracene-d10 | 17.13 | 188 | 1250985 | 23.25 | ng/ul | 0.01 |
| 30) Pyrene-d10 | 19.43 | 212 | 1328855 | 26.06 | ng/ul | 0.00 |
| 37) Benzo(a)pyrene-d12 | 23.29 | 264 | 1307016 | 23.63 | ng/ul | 0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 18) Acenaphthylene | 13.99 | 152 | 97954 | 1.71 | ng/ul | 97 |
| 25) Phenanthrene | 17.07 | 178 | 638770 | 10.02 | ng/ul | 98 |
| 27) Anthracene | 17.16 | 178 | 126816 | 1.93 | ng/ul | 98 |
| 28) Fluoranthene | 19.09 | 202 | 1713470 | 22.88 | ng/ul | 99 |
| 31) Pyrene | 19.46 | 202 | 1401656 | 20.68 | ng/ul | 97 |
| 32) Benzo(a)anthracene | 21.21 | 228 | 764151 | 11.27 | ng/ul | 96 |
| 33) Chrysene | 21.26 | 228 | 861318 | 13.77 | ng/ul | 97 |
| 35) Benzo(b)fluoranthene | 22.77 | 252 | 1296635 | 17.99 | ng/ul | 99 |
| 36) Benzo(k)fluoranthene | 22.82 | 252 | 410521m | 5.89 | ng/ul | |
| 38) Benzo(a)pyrene | 23.34 | 252 | 806774 | 11.50 | ng/ul | 97 |
| 39) Indeno(1,2,3-cd)pyrene | 25.64 | 276 | 637641 | 7.85 | ng/ul | 98 |
| 40) Dibenzo(a,h)anthracene | 25.64 | 278 | 173233m | 2.57 | ng/ul | |
| 41) Benzo(g,h,i)perylene | 26.33 | 276 | 581658 | 8.35 | ng/ul | 98 |

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

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Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072216\
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Misc :
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Quant Title : SVOA CALIBRATION
QLast Update : Sat Jul 23 00:16:38 2016
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
D9YS9

**Manual Integrations**
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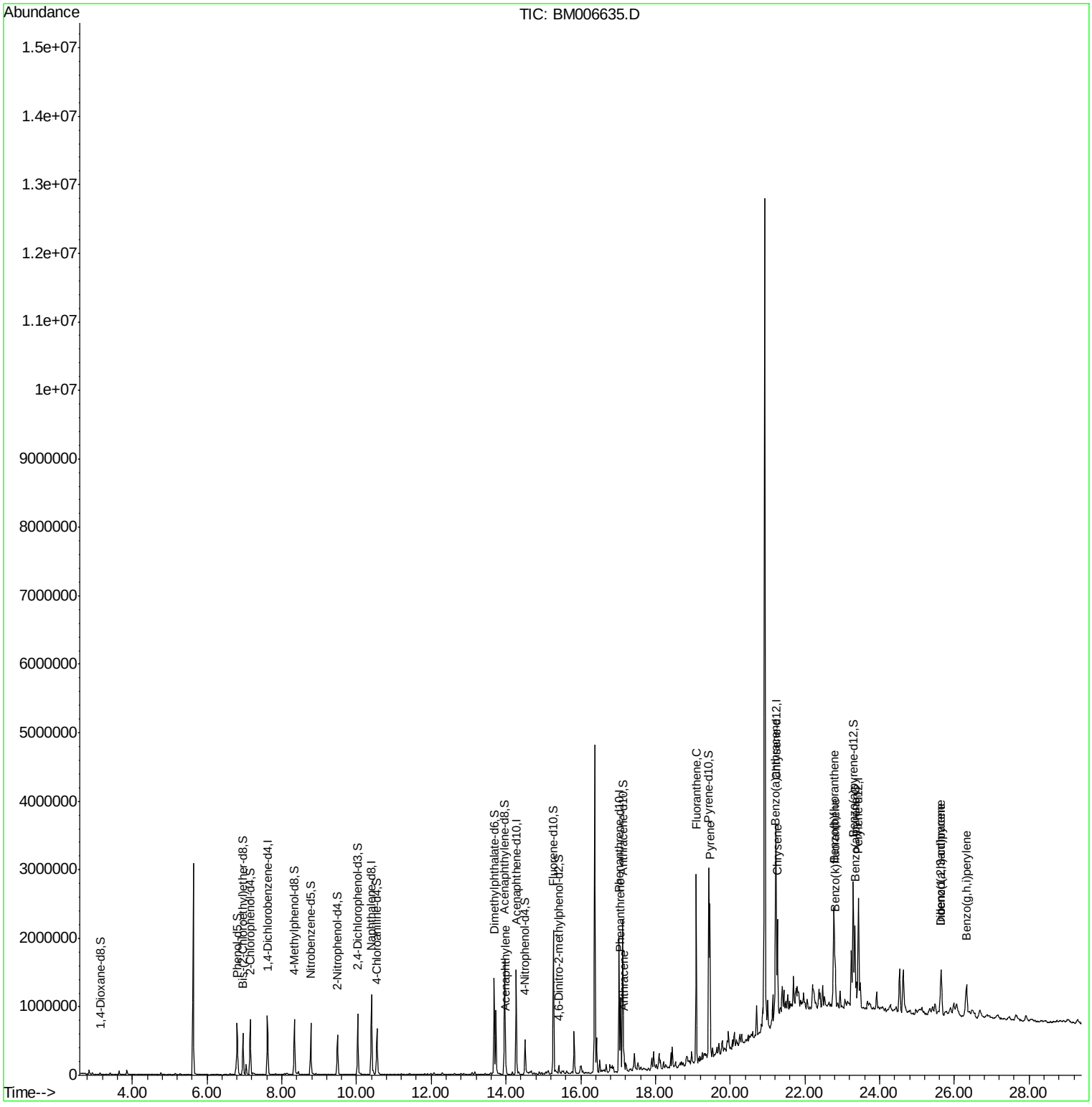
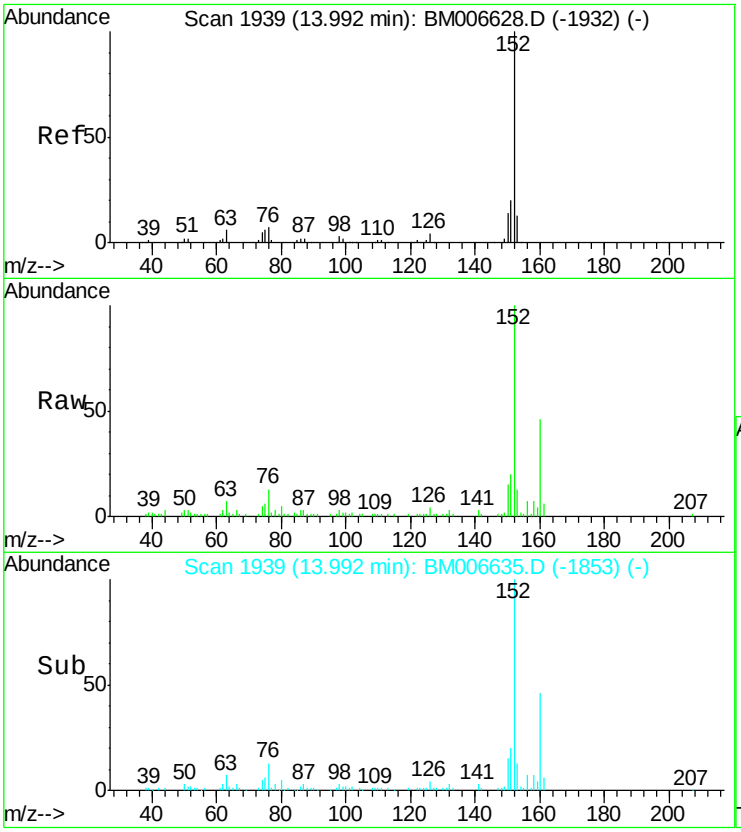
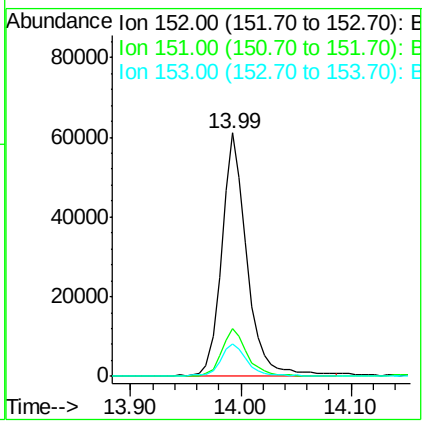





#18
Acenaphthylene
Concen: 1.71 ng/ul
RT: 13.99 min Scan# 1939
Delta R.T. 0.01 min
Lab File: BM006635.D
Acq: 22 Jul 2016 21:46

Tgt Ion:152 Resp: 97954

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.7 | 17.3 | 25.9 |
| 153 | 13.5 | 11.1 | 16.7 |




**Instrument :**
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**ClientSampleId :**
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**Manual Integrations**
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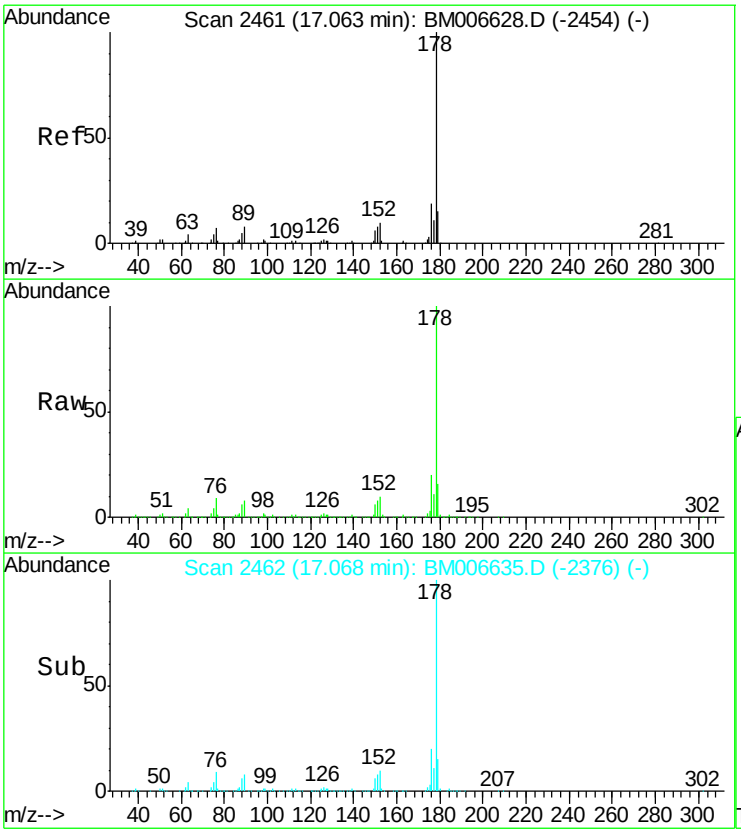
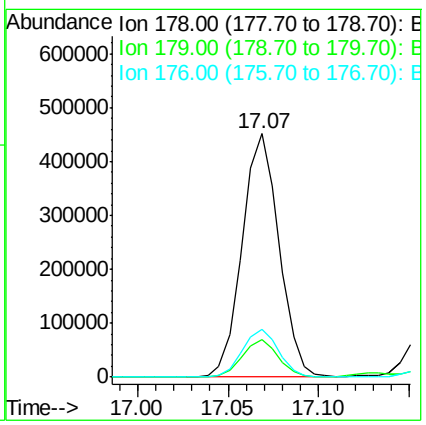
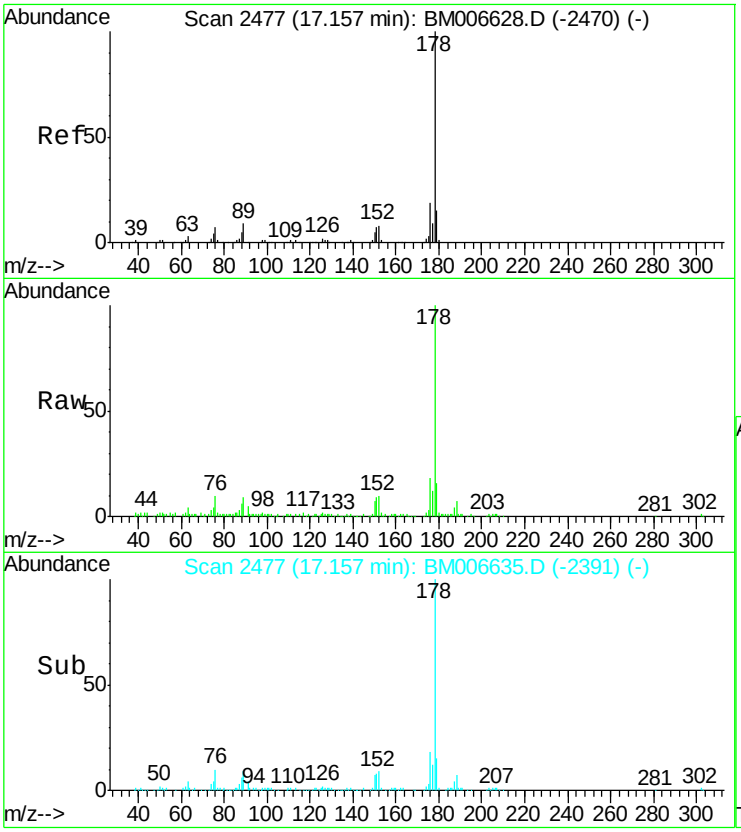



#25
Phenanthrene
Concen: 10.02 ng/ul
RT: 17.07 min Scan# 2462
Delta R.T. 0.01 min
Lab File: BM006635.D
Acq: 22 Jul 2016 21:46

Tgt Ion:178 Resp: 638770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.6 | 11.8 | 17.8 |
| 176 | 19.6 | 14.8 | 22.2 |

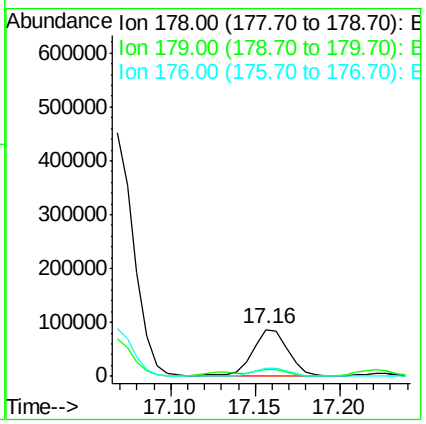





#27
Anthracene
Concen: 1.93 ng/ul
RT: 17.16 min Scan# 2477
Delta R.T. 0.01 min
Lab File: BM006635.D
Acq: 22 Jul 2016 21:46

Tgt Ion:178 Resp: 126816

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.9 | 12.9 | 19.3 |
| 176 | 18.1 | 15.6 | 23.4 |




**Instrument :**
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**ClientSampleId :**
D9YS9

**Manual Integrations**
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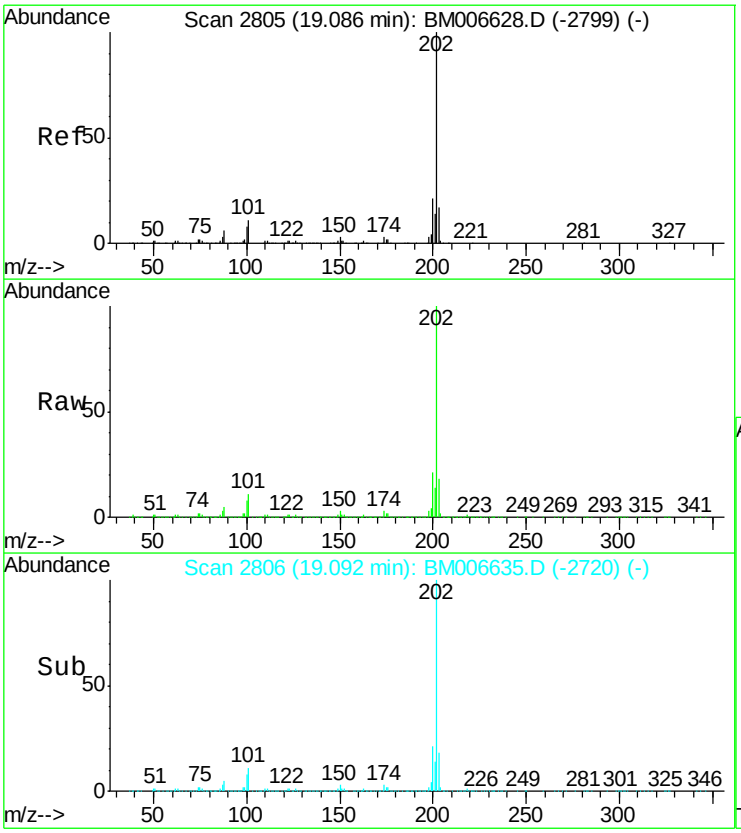
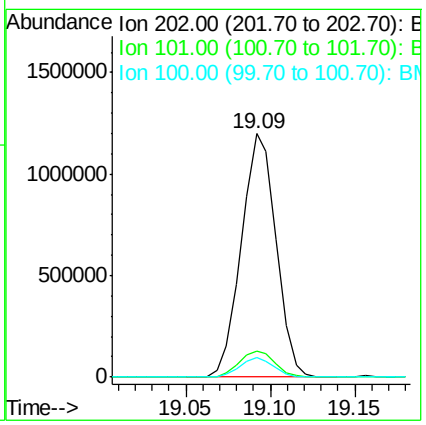
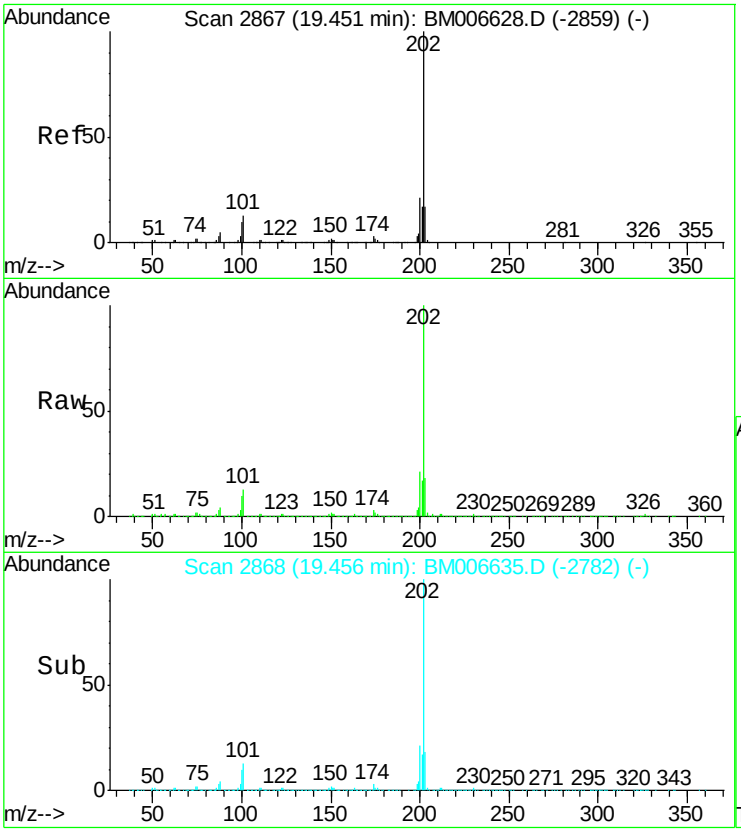



#28
Fluoranthene
Concen: 22.88 ng/ul
RT: 19.09 min Scan# 2806
Delta R.T. 0.01 min
Lab File: BM006635.D
Acq: 22 Jul 2016 21:46

Tgt Ion:202 Resp: 1713470

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.9 | 8.9 | 13.3 |
| 100 | 8.1 | 7.0 | 10.4 |

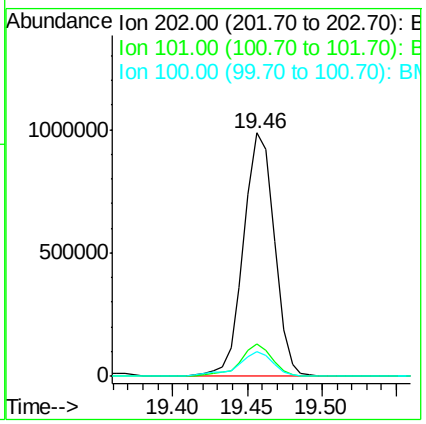





#31
Pyrene
Concen: 20.68 ng/ul
RT: 19.46 min Scan# 2868
Delta R.T. 0.01 min
Lab File: BM006635.D
Acq: 22 Jul 2016 21:46

Tgt Ion:202 Resp: 1401656

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.2 | 9.8 | 14.8 |
| 100 | 10.0 | 9.3 | 13.9 |




**Instrument :**
BNA_M
**ClientSampleId :**
D9YS9

**Manual Integrations**
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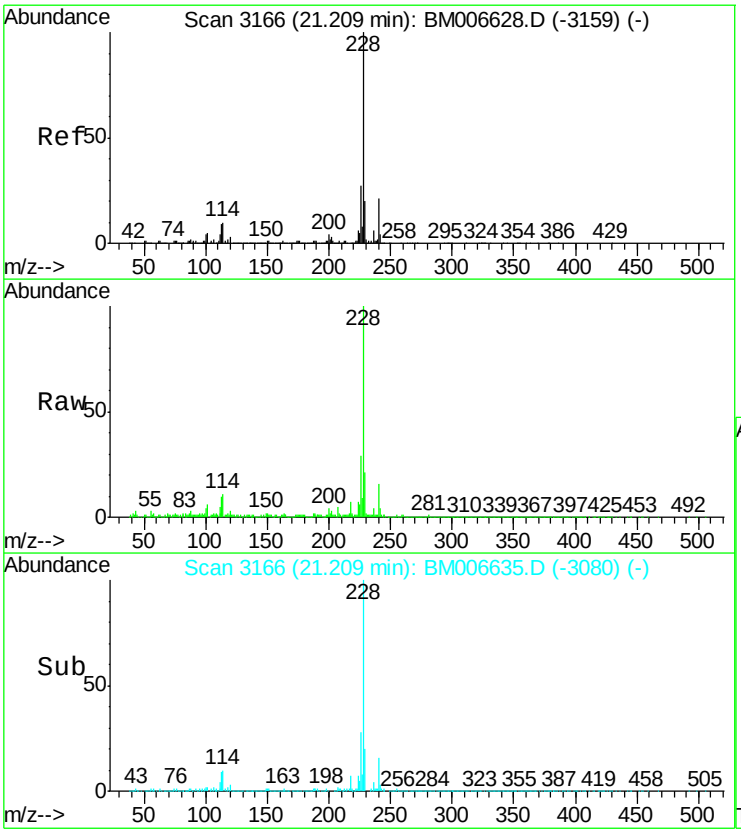
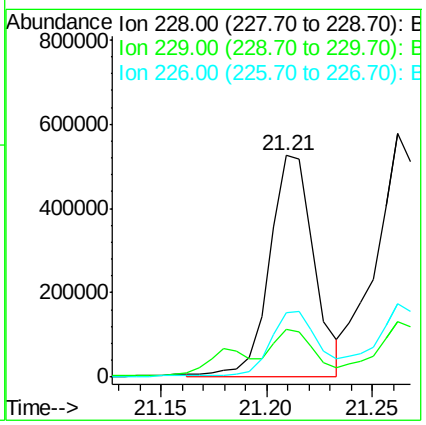
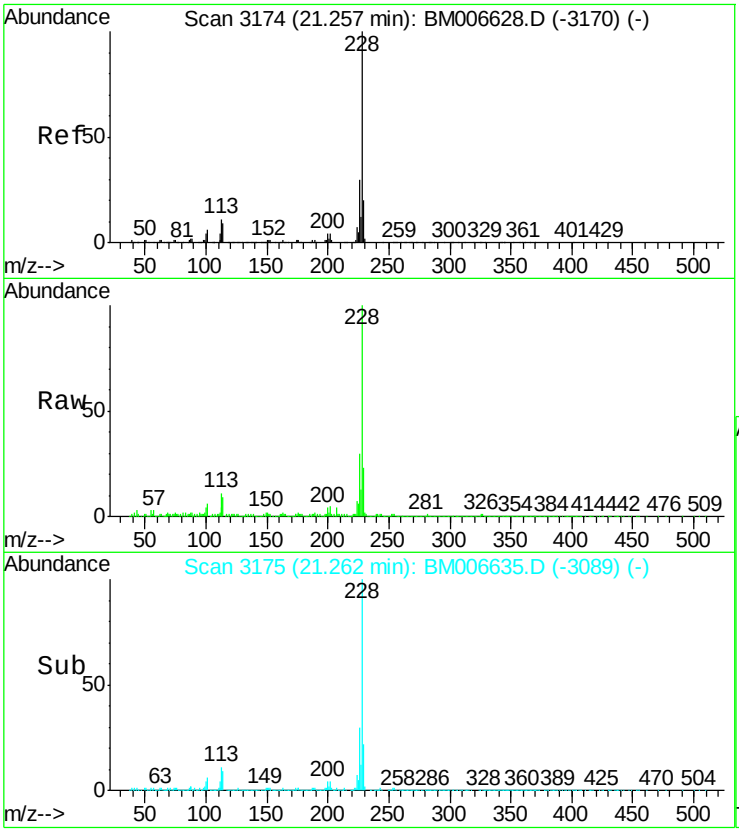



#32
Benzo(a)anthracene
Concen: 11.27 ng/ul
RT: 21.21 min Scan# 3166
Delta R.T. 0.01 min
Lab File: BM006635.D
Acq: 22 Jul 2016 21:46

Tgt Ion:228 Resp: 764151

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 21.4 | 16.6 | 25.0 |
| 226 | 28.9 | 21.0 | 31.4 |

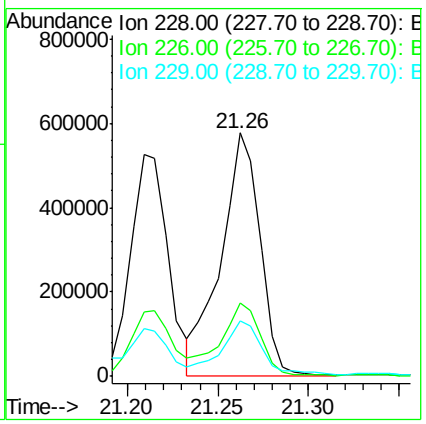





#33
Chrysene
Concen: 13.77 ng/ul
RT: 21.26 min Scan# 3175
Delta R.T. 0.01 min
Lab File: BM006635.D
Acq: 22 Jul 2016 21:46

Tgt Ion:228 Resp: 861318

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.3 | 23.4 | 35.2 |
| 229 | 22.8 | 16.2 | 24.2 |




**Instrument :**
BNA_M
**ClientSampleId :**
D9YS9

**Manual Integrations**
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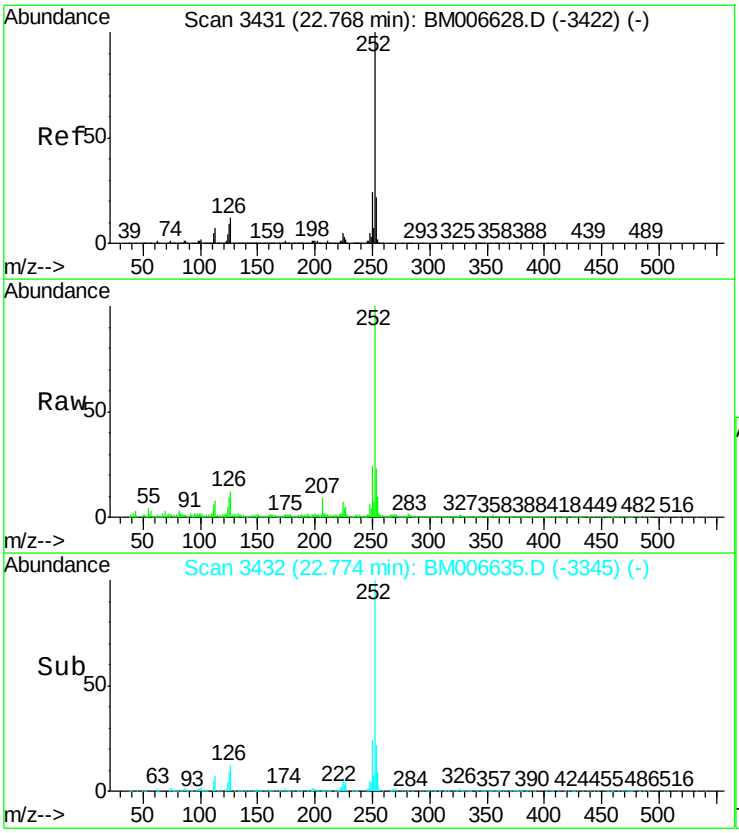
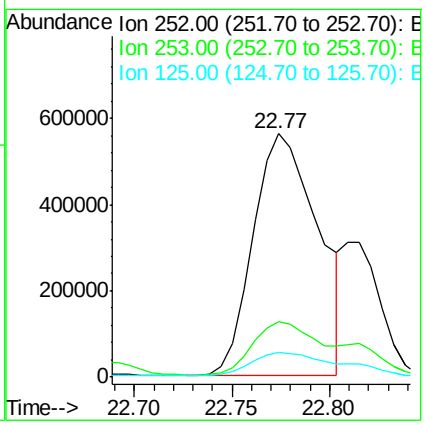
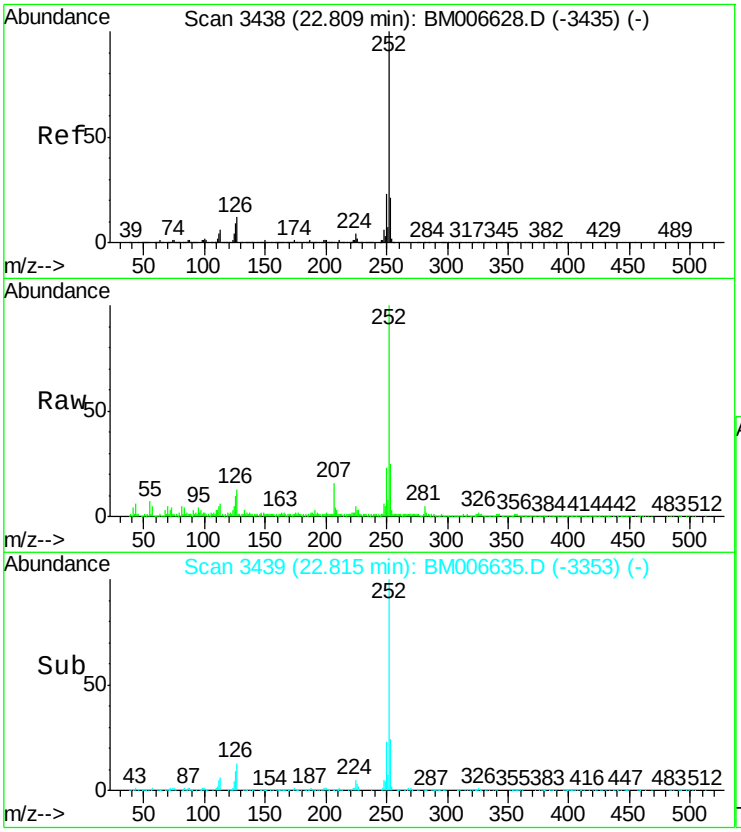



#35
Benzo(b)fluoranthene
Concen: 17.99 ng/ul
RT: 22.77 min Scan# 3432
Delta R.T. 0.01 min
Lab File: BM006635.D
Acq: 22 Jul 2016 21:46

Tgt Ion:252 Resp: 1296635

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.7 | 18.1 | 27.1 |
| 125 | 10.0 | 7.6 | 11.4 |

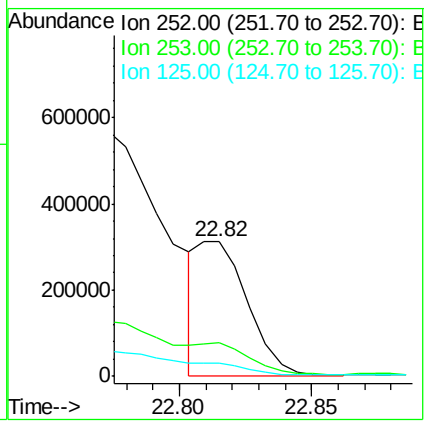





#36
Benzo(k)fluoranthene
Concen: 5.89 ng/ul m
RT: 22.82 min Scan# 3439
Delta R.T. 0.01 min
Lab File: BM006635.D
Acq: 22 Jul 2016 21:46

Tgt Ion:252 Resp: 410521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.9 | 17.8 | 26.8 |
| 125 | 10.2 | 7.7 | 11.5 |

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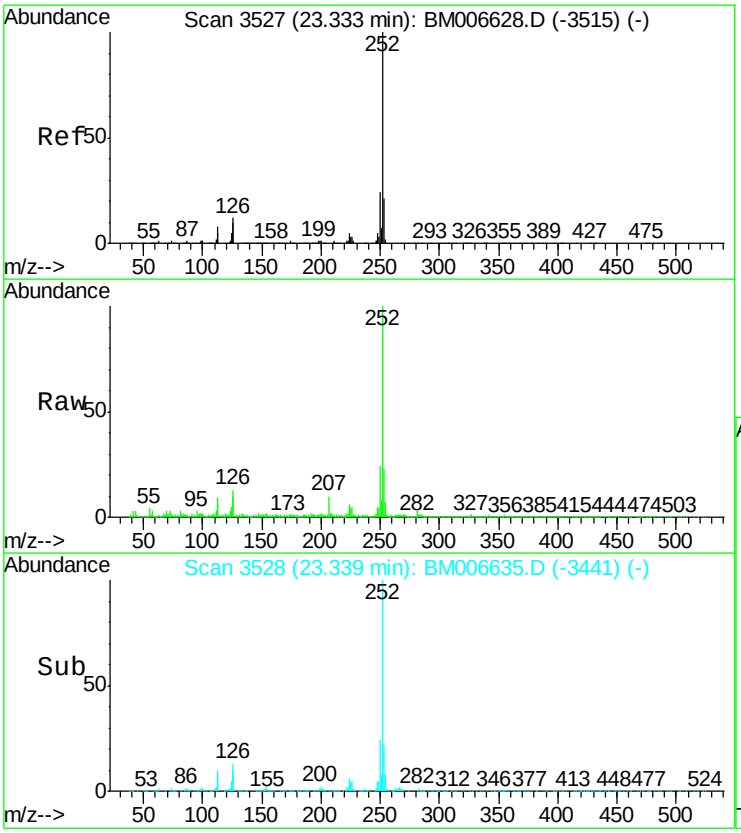
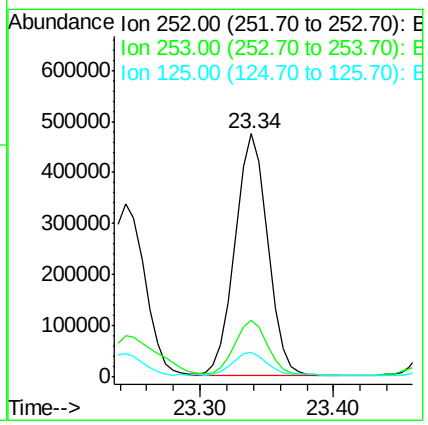
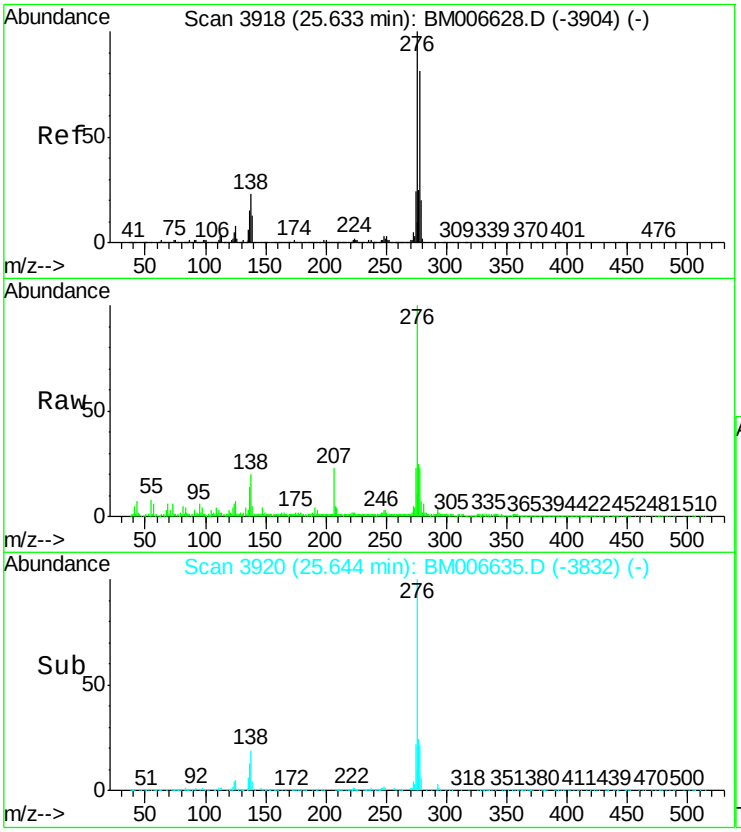



#38
Benzo(a)pyrene
Concen: 11.50 ng/ul
RT: 23.34 min Scan# 3528
Delta R.T. 0.01 min
Lab File: BM006635.D
Acq: 22 Jul 2016 21:46

Tgt Ion:252 Resp: 806774

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.5 | 17.4 | 26.0 |
| 125 | 9.9 | 8.2 | 12.2 |

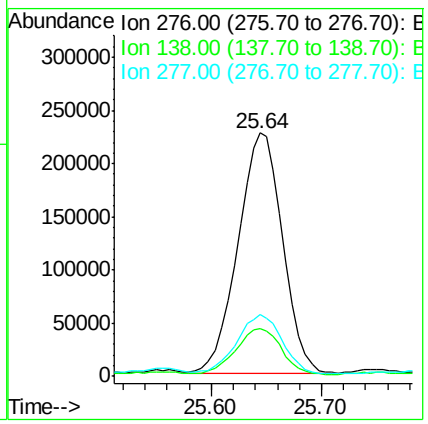





#39
Indeno(1,2,3-cd)pyrene
Concen: 7.85 ng/ul
RT: 25.64 min Scan# 3920
Delta R.T. 0.02 min
Lab File: BM006635.D
Acq: 22 Jul 2016 21:46

Tgt Ion:276 Resp: 637641

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 19.5 | 15.8 | 23.6 |
| 277 | 25.1 | 19.0 | 28.6 |

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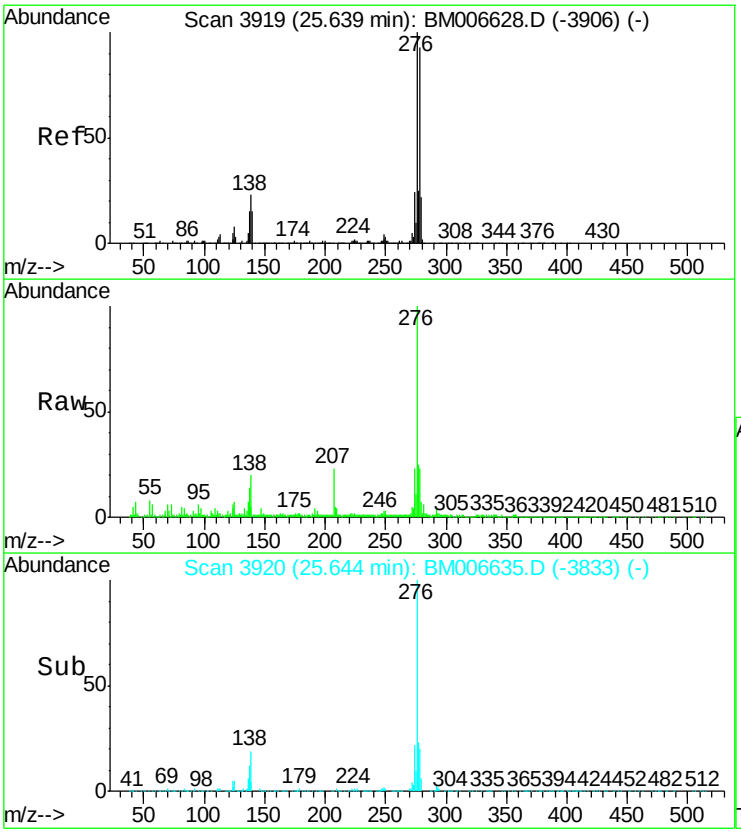
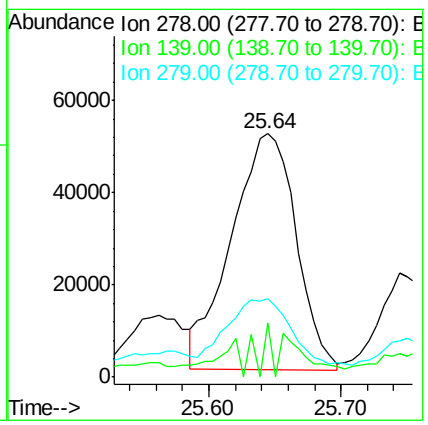
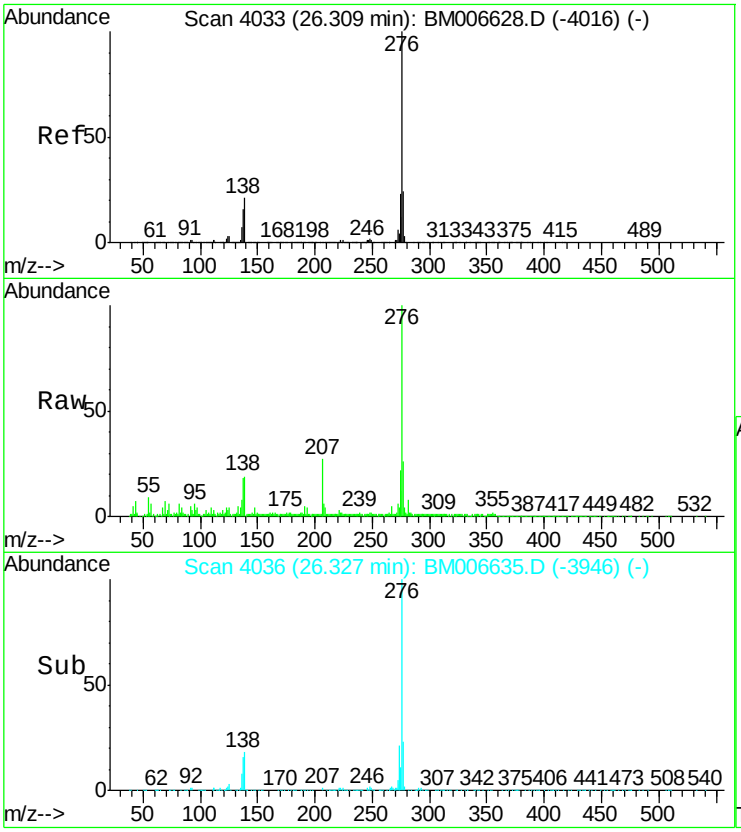



#40
Dibenzo(a,h)anthracene
Concen: 2.57 ng/ul m
RT: 25.64 min Scan# 3920
Delta R.T. 0.01 min
Lab File: BM006635.D
Acq: 22 Jul 2016 21:46

Tgt Ion:278 Resp: 173233

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 22.4 | 12.1 | 18.1# |
| 279 | 32.2 | 19.8 | 29.8# |

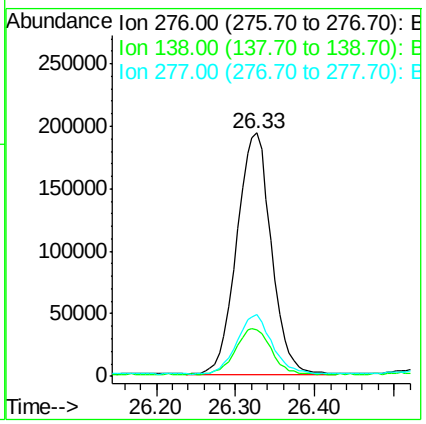





#41
Benzo(g,h,i)perylene
Concen: 8.35 ng/ul
RT: 26.33 min Scan# 4036
Delta R.T. 0.03 min
Lab File: BM006635.D
Acq: 22 Jul 2016 21:46

Tgt Ion:276 Resp: 581658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 18.9 | 13.9 | 20.9 |
| 277 | 25.6 | 19.8 | 29.6 |




**Instrument :**
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**ClientSampleId :**
D9YS9

**Manual Integrations**
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