Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062719\
Data File : BM021212.D
Acq On : 27 Jun 2019 12:19
Operator : HP/JU
Sample : K3502-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C5AC7

**Manual Integrations APPROVED**
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6/28/2019 2:23:10 PM

Quant Time: Jun 27 12:53:51 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jun 27 05:07:12 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.76 | 152 | 225658 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.55 | 136 | 1004311 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.40 | 164 | 648165 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.15 | 188 | 1517938 | 20.00 | ng/ul | 0.00 |
| 77) Chrysene-d12 | 21.34 | 240 | 1130556 | 20.00 | ng/ul | 0.00 |
| 85) Perylene-d12 | 23.61 | 264 | 1140343 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.28 | 96 | 14349 | 3.02 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.93 | 99 | 340074 | 17.31 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.10 | 67 | 200929 | 17.17 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.30 | 132 | 280908 | 17.60 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.47 | 113 | 286535 | 17.48 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.93 | 128 | 149206 | 18.30 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.64 | 143 | 168822 | 18.65 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.17 | 165 | 352456 | 19.15 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.70 | 131 | 347141 | 18.08 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.82 | 166 | 1160113 | 19.81 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.10 | 160 | 1348071 | 18.80 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.62 | 143 | 121547 | 12.76 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.40 | 176 | 1025617 | 20.13 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.53 | 200 | 127253 | 13.64 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.25 | 188 | 1527620 | 19.37 | ng/ul | 0.00 |
| 78) Pyrene-d10 | 19.54 | 212 | 1518720 | 22.39 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12 | 23.47 | 264 | 1251012 | 18.59 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 6) Phenol | 6.96 | 94 | 23006 | 1.238 | ng/ul | 94 |
| 44) Dimethylphthalate | 13.86 | 163 | 746400 | 14.000 | ng/ul | 99 |
| 69) Phenanthrene | 17.19 | 178 | 158640 | 1.890 | ng/ul | 99 |
| 76) Fluoranthene | 19.21 | 202 | 533168 | 5.878 | ng/ul | 99 |
| 79) Pyrene | 19.57 | 202 | 437179 | 5.470 | ng/ul | 99 |
| 82) Benzo(a)anthracene | 21.32 | 228 | 226370 | 2.937 | ng/ul | 98 |
| 84) Chrysene | 21.37 | 228 | 256512 | 3.553 | ng/ul | 97 |
| 87) Benzo(b)fluoranthene | 22.93 | 252 | 370869 | 5.134 | ng/ul | 96 |
| 88) Benzo(k)fluoranthene | 22.97 | 252 | 106451m | 1.532 | ng/ul | |
| 90) Benzo(a)pyrene | 23.51 | 252 | 202265 | 2.975 | ng/ul# | 96 |
| 91) Indeno(1,2,3-cd)pyrene | 25.90 | 276 | 154756 | 1.933 | ng/ul# | 93 |
| 93) Benzo(g,h,i)perylene | 26.60 | 276 | 123086 | 1.867 | ng/ul | 98 |

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

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062719\
Data File : BM021212.D
Acq On : 27 Jun 2019 12:19
Operator : HP/JU
Sample : K3502-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 27 12:53:51 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jun 27 05:07:12 2019
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
C5AC7

**Manual Integrations APPROVED**
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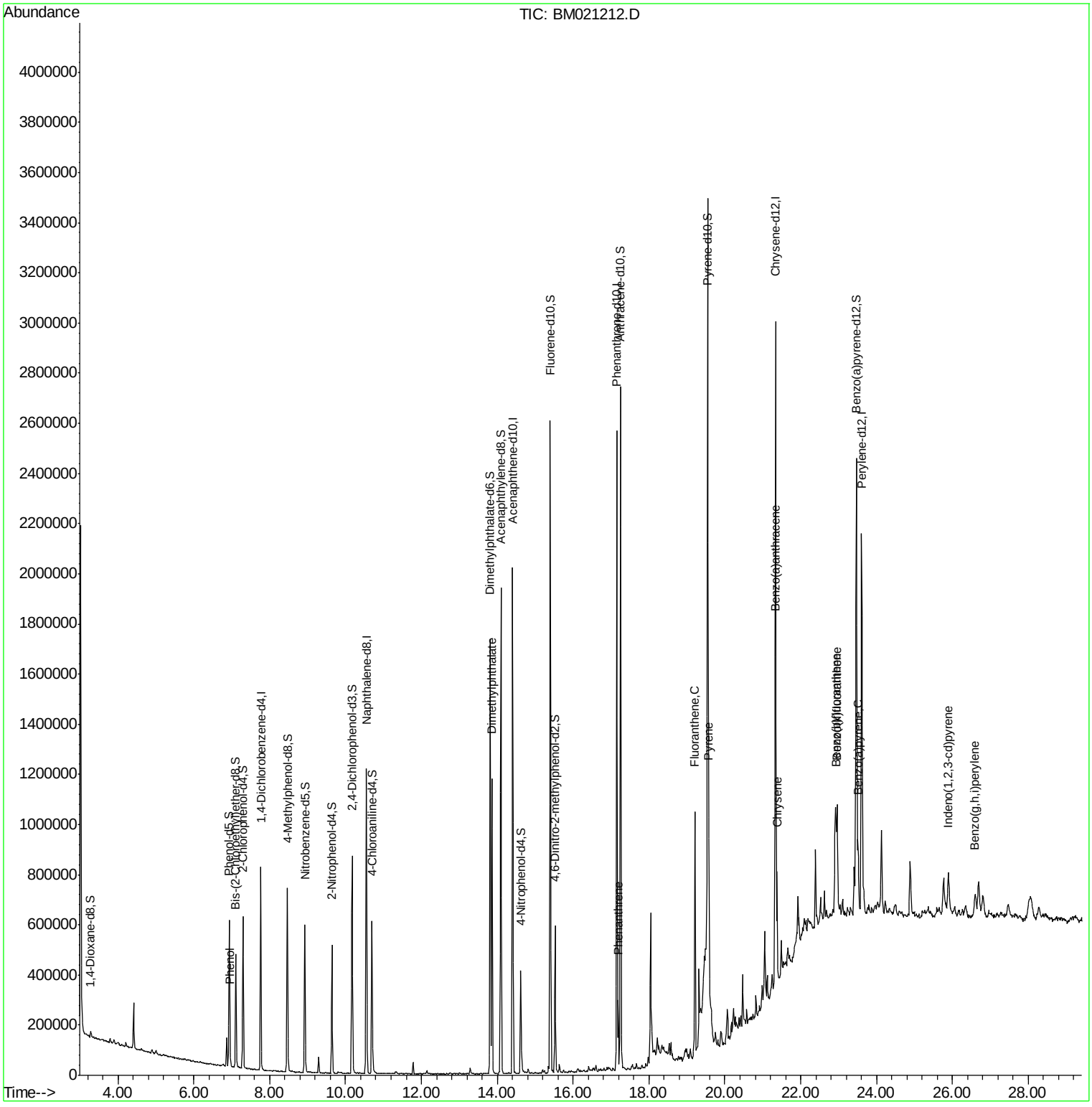
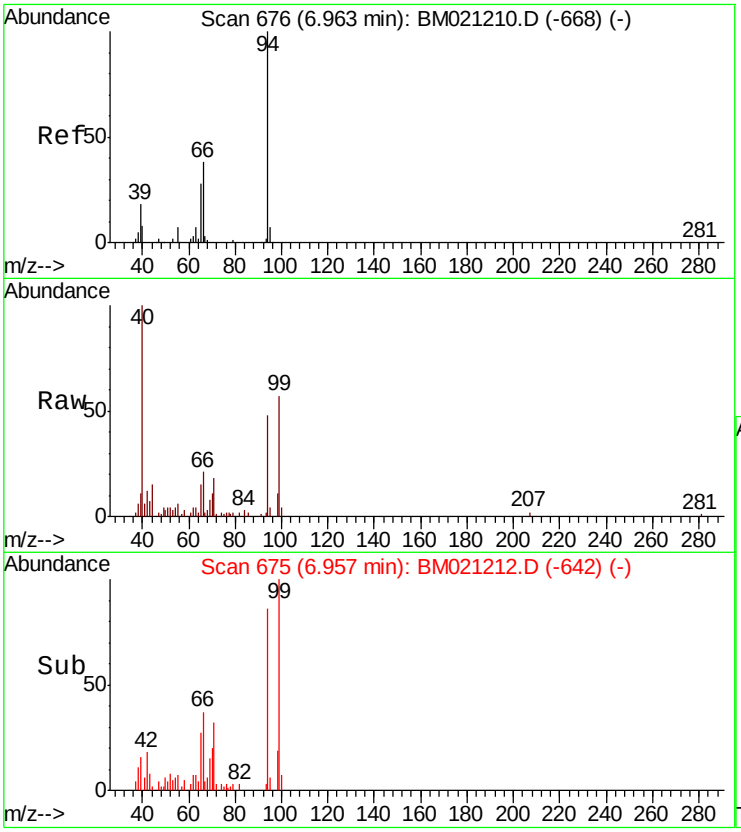
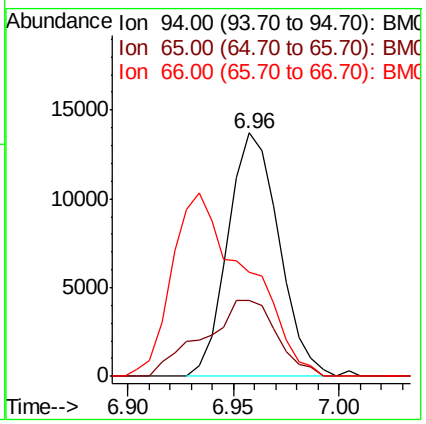





#6
Phenol
Concen: 1.238 ng/ul
RT: 6.96 min Scan# 675
Delta R.T. -0.01 min
Lab File: BM021212.D
Acq: 27 Jun 2019 12:19

Tgt Ion: 94 Resp: 23006

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 31.0 | 22.6 | 34.0 |
| 66 | 42.7 | 31.2 | 46.8 |




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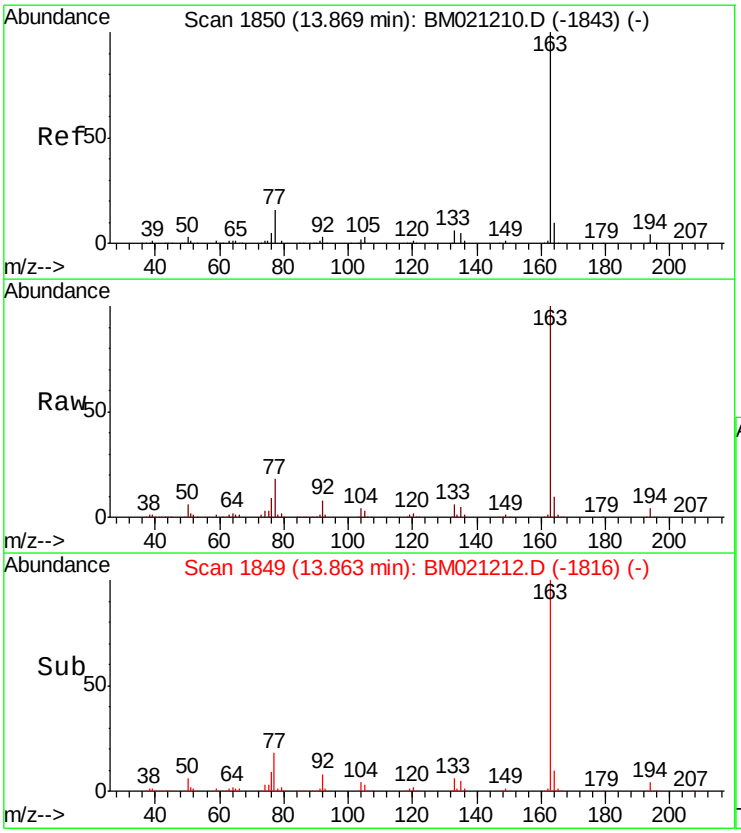
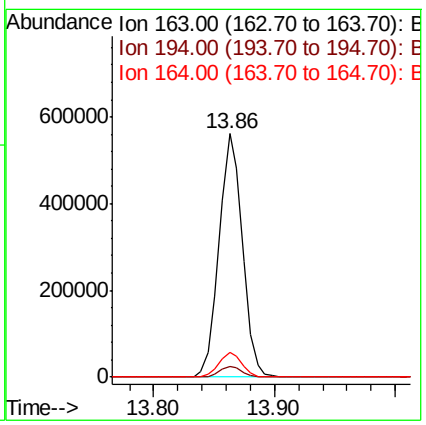
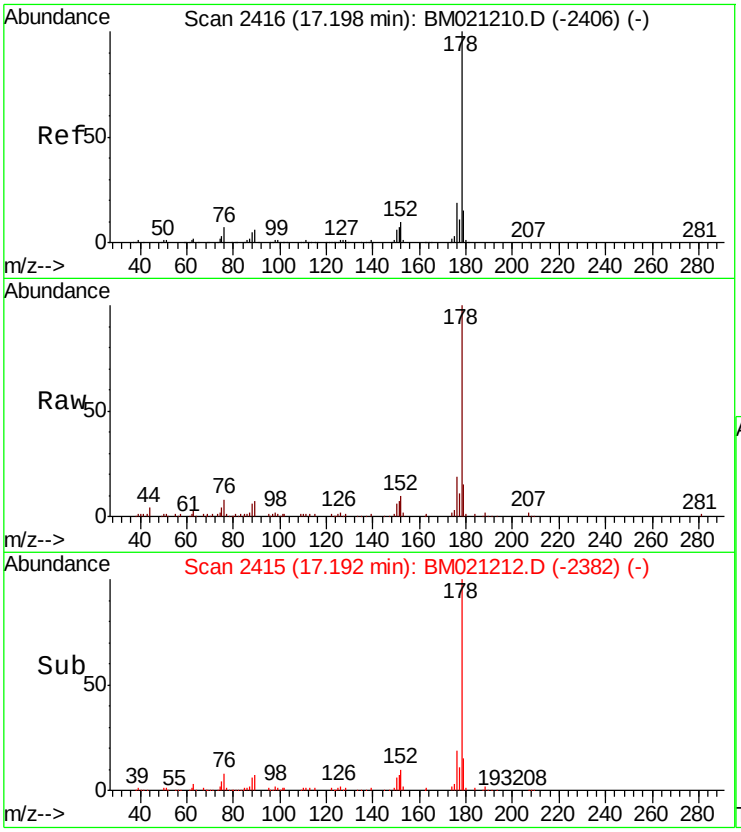



#44
Dimethylphthalate
Concen: 14.000 ng/ul
RT: 13.86 min Scan# 1849
Delta R.T. -0.01 min
Lab File: BM021212.D
Acq: 27 Jun 2019 12:19

Tgt Ion:163 Resp: 746400

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.4 | 3.4 | 5.2 |
| 164 | 10.1 | 7.7 | 11.5 |

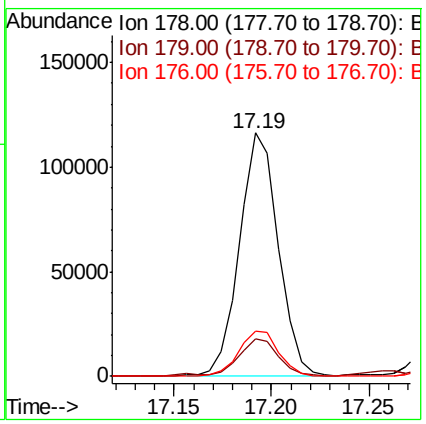





#69
Phenanthrene
Concen: 1.890 ng/ul
RT: 17.19 min Scan# 2415
Delta R.T. -0.01 min
Lab File: BM021212.D
Acq: 27 Jun 2019 12:19

Tgt Ion:178 Resp: 158640

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.4 | 11.8 | 17.8 |
| 176 | 18.7 | 15.0 | 22.6 |




**Instrument :**
BNA_M
**ClientSampleId :**
C5AC7

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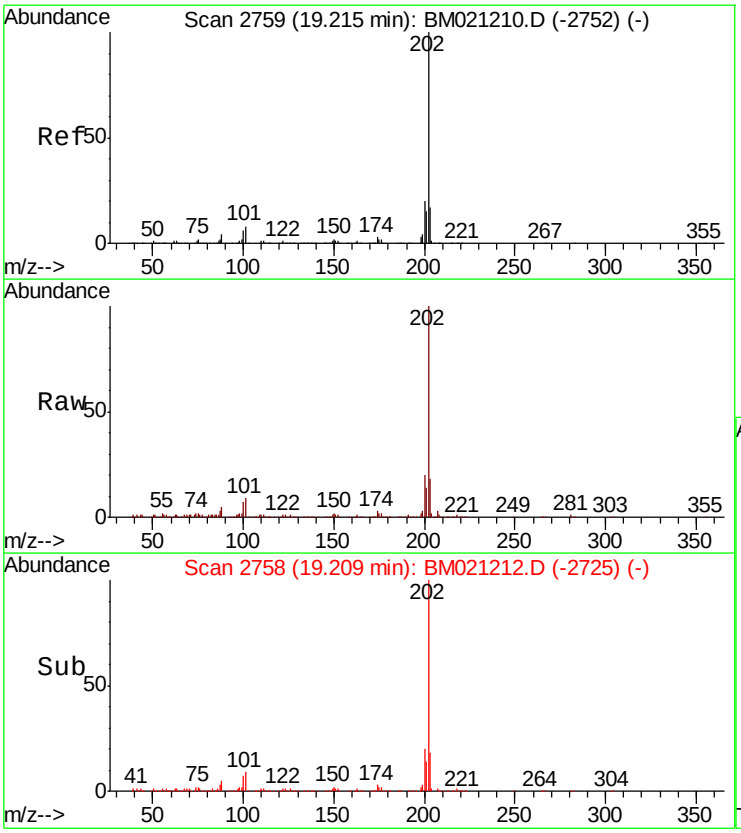
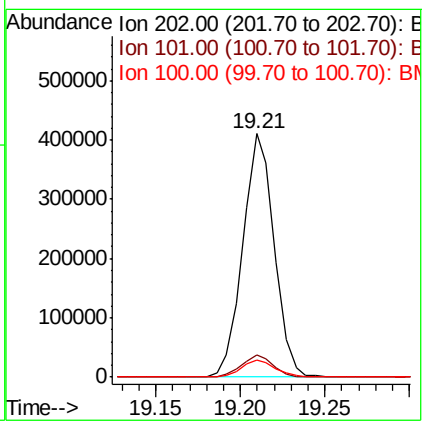
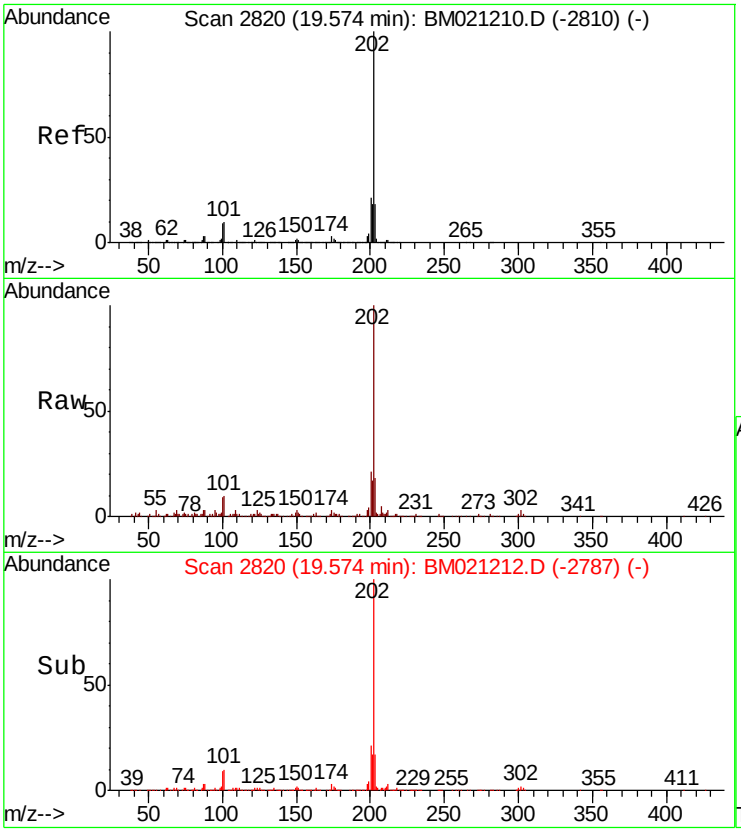



#76
Fluoranthene
Concen: 5.878 ng/ul
RT: 19.21 min Scan# 2758
Delta R.T. -0.01 min
Lab File: BM021212.D
Acq: 27 Jun 2019 12:19

Tgt Ion:202 Resp: 533168

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 8.9 | 6.7 | 10.1 |
| 100 | 6.9 | 5.5 | 8.3 |






#79
Pyrene
Concen: 5.470 ng/ul
RT: 19.57 min Scan# 2820
Delta R.T. -0.01 min
Lab File: BM021212.D
Acq: 27 Jun 2019 12:19

Tgt Ion:202 Resp: 437179

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.5 | 8.1 | 12.1 |
| 100 | 8.5 | 6.6 | 10.0 |

**Instrument :**
BNA_M
**ClientSampleId :**
C5AC7

**Manual Integrations APPROVED**
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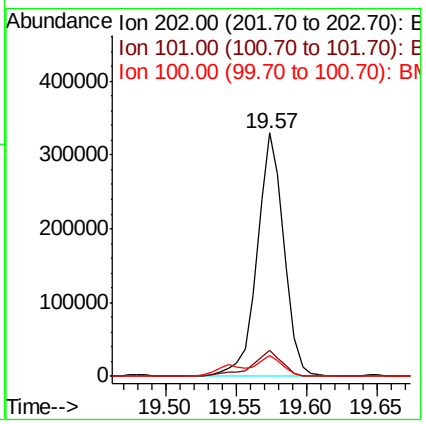
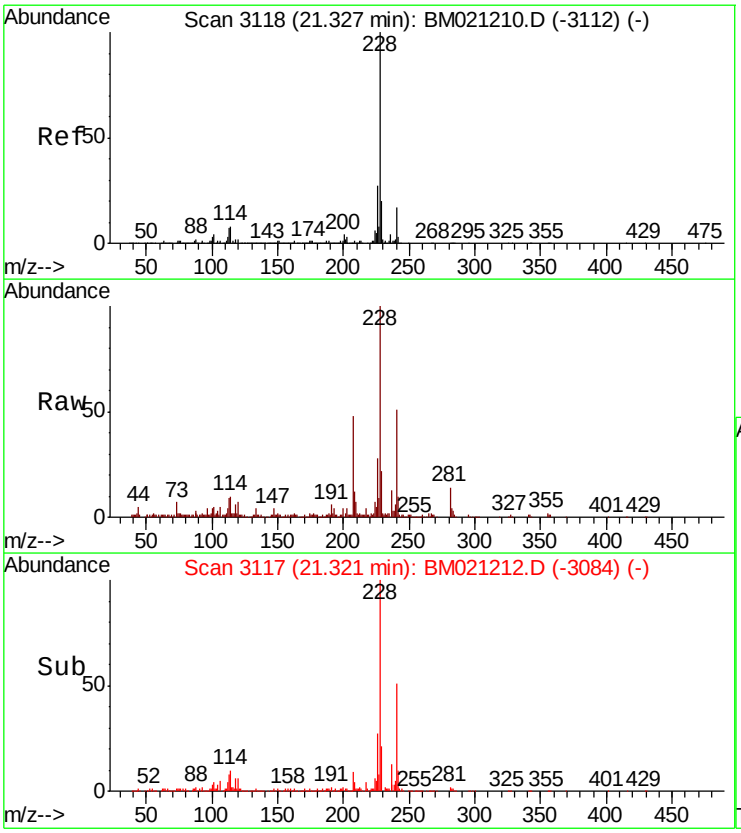
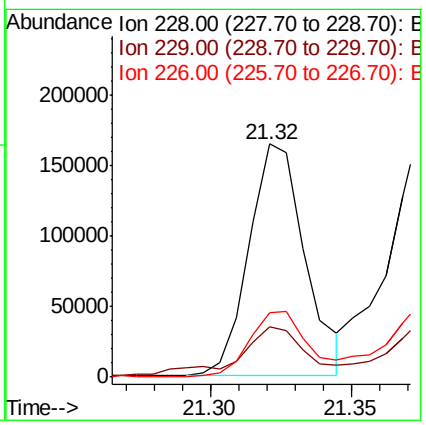


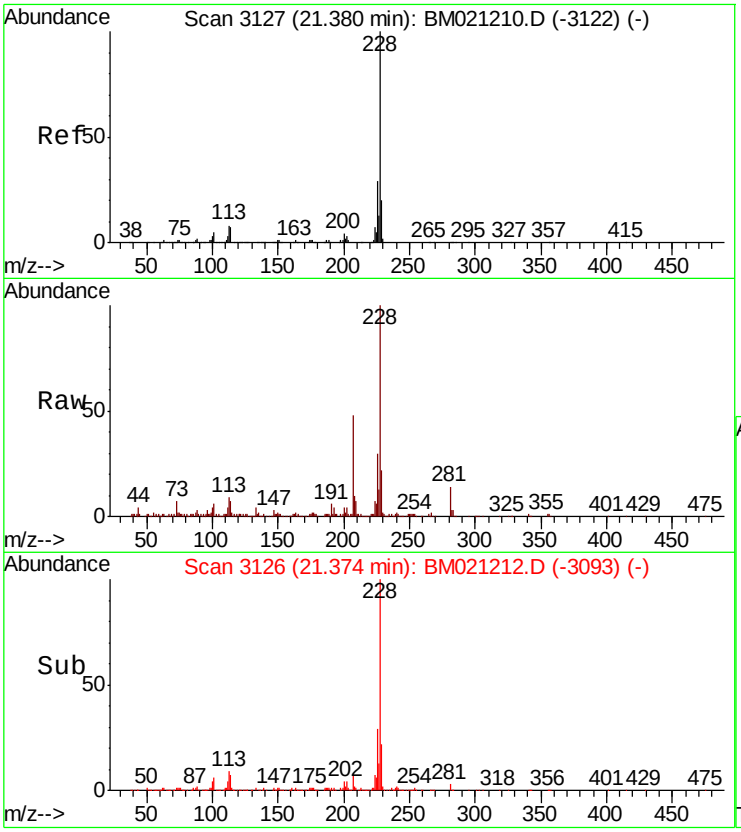




#82
Benzo(a)anthracene
Concen: 2.937 ng/ul
RT: 21.32 min Scan# 3117
Delta R.T. -0.01 min
Lab File: BM021212.D
Acq: 27 Jun 2019 12:19

Tgt Ion:228 Resp: 226370

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 21.6 | 15.8 | 23.8 |
| 226 | 27.5 | 21.4 | 32.2 |

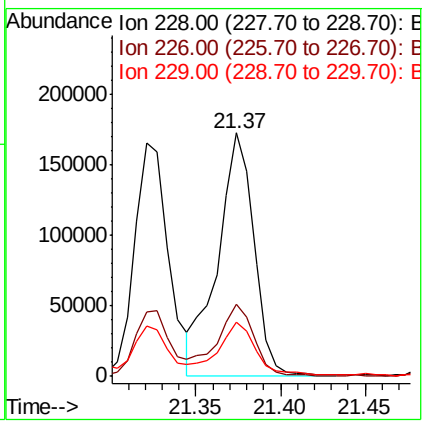





#84
Chrysene
Concen: 3.553 ng/ul
RT: 21.37 min Scan# 3126
Delta R.T. -0.01 min
Lab File: BM021212.D
Acq: 27 Jun 2019 12:19

Tgt Ion:228 Resp: 256512

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.5 | 23.9 | 35.9 |
| 229 | 22.2 | 15.4 | 23.2 |




**Instrument :**
BNA_M
**ClientSampleId :**
C5AC7

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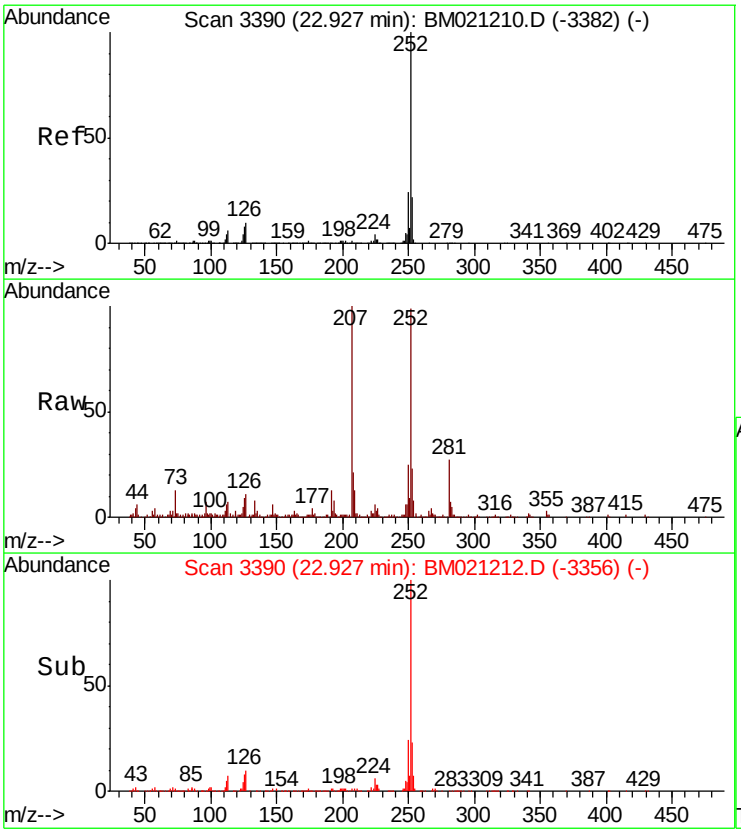
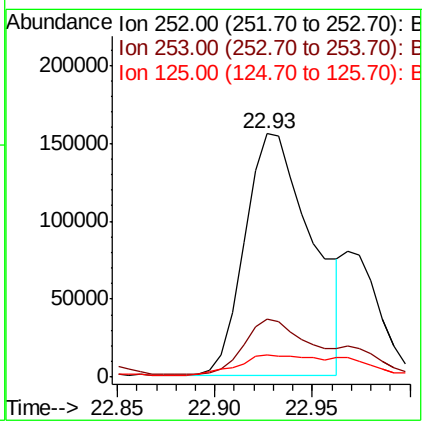
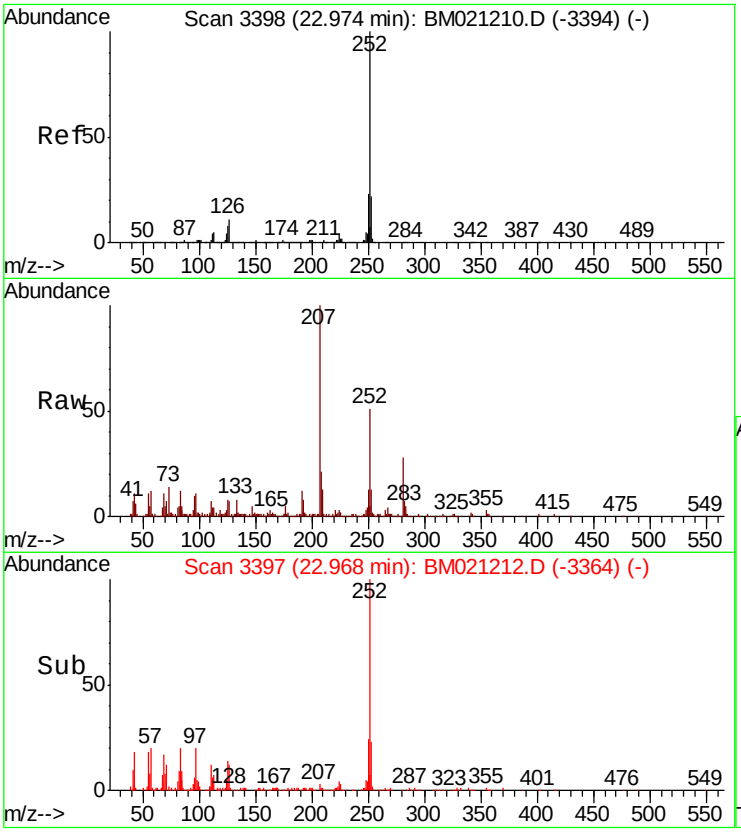



#87
Benzo(b)fluoranthene
Concen: 5.134 ng/ul
RT: 22.93 min Scan# 3390
Delta R.T. -0.00 min
Lab File: BM021212.D
Acq: 27 Jun 2019 12:19

Tgt Ion:252 Resp: 370869

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.6 | 17.5 | 26.3 |
| 125 | 9.1 | 6.3 | 9.5 |

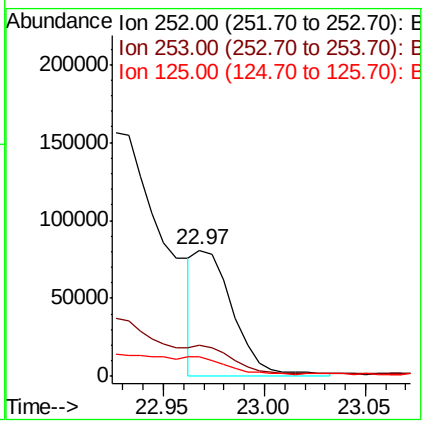





#88
Benzo(k)fluoranthene
Concen: 1.532 ng/ul m
RT: 22.97 min Scan# 3397
Delta R.T. -0.01 min
Lab File: BM021212.D
Acq: 27 Jun 2019 12:19

Tgt Ion:252 Resp: 106451

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.6 | 17.5 | 26.3 |
| 125 | 15.9 | 6.6 | 9.8# |




**Instrument :**
BNA_M
**ClientSampleId :**
C5AC7

**Manual Integrations APPROVED**
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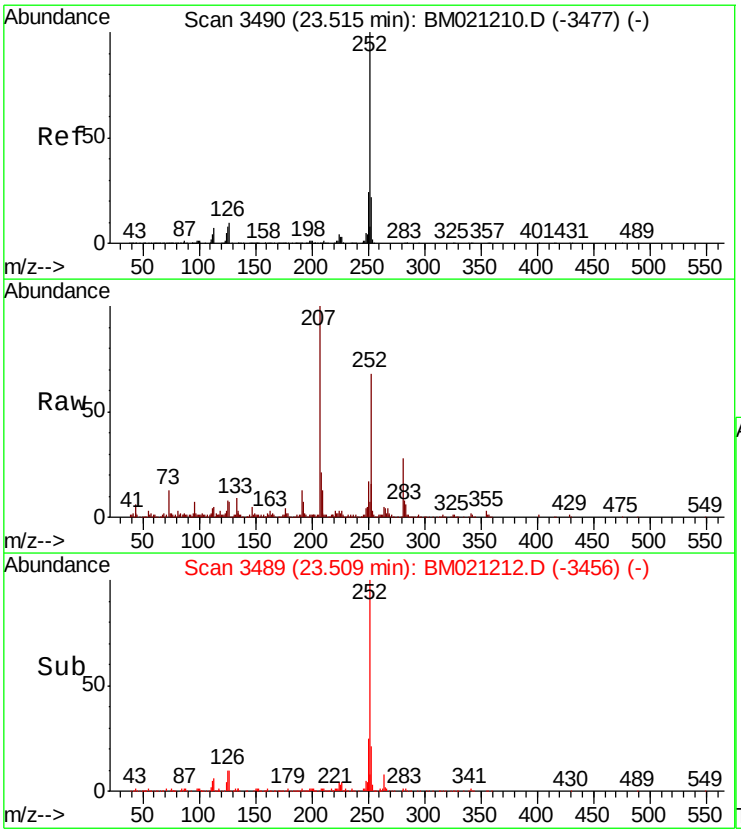
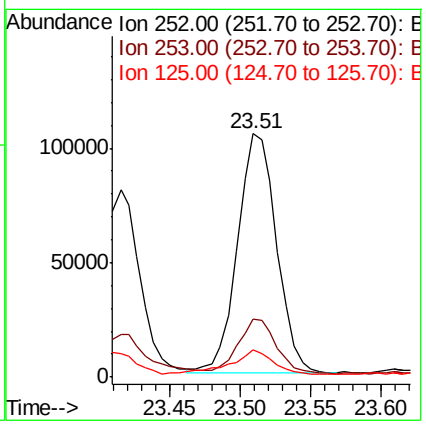
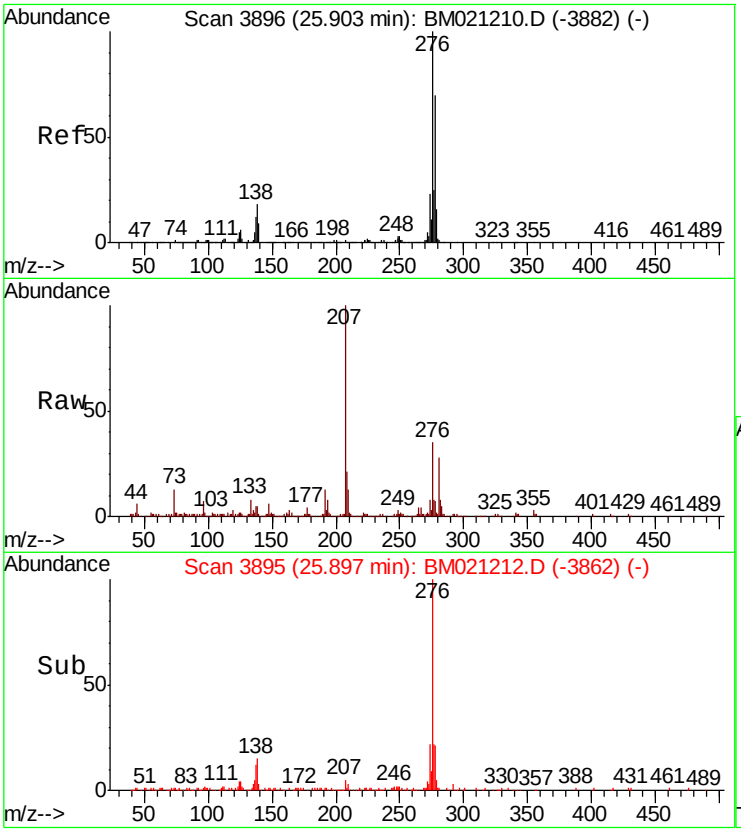



#90
Benzo(a)pyrene
Concen: 2.975 ng/ul
RT: 23.51 min Scan# 3489
Delta R.T. -0.01 min
Lab File: BM021212.D
Acq: 27 Jun 2019 12:19

Tgt Ion:252 Resp: 202265

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.8 | 17.8 | 26.8 |
| 125 | 11.3 | 7.2 | 10.8# |

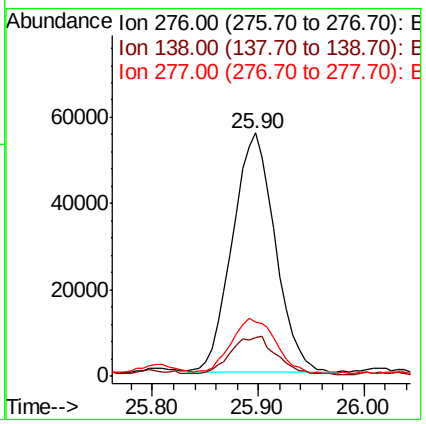





#91
Indeno(1,2,3-cd)pyrene
Concen: 1.933 ng/ul
RT: 25.90 min Scan# 3895
Delta R.T. -0.01 min
Lab File: BM021212.D
Acq: 27 Jun 2019 12:19

Tgt Ion:276 Resp: 154756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 15.9 | 15.9 | 23.9# |
| 277 | 22.5 | 20.4 | 30.6 |




**Instrument :**
BNA_M
**ClientSampleId :**
C5AC7

**Manual Integrations APPROVED**
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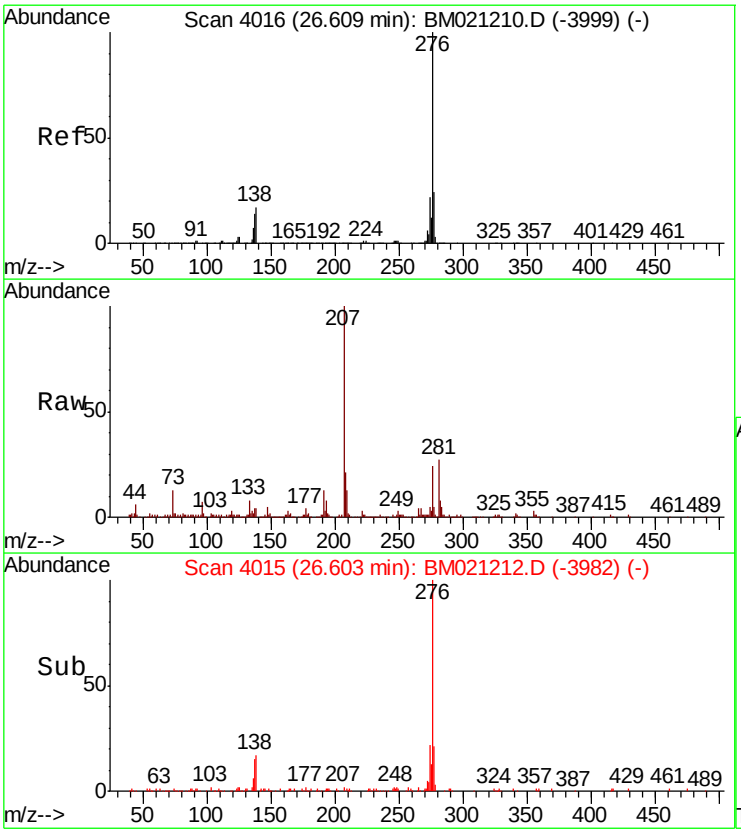
6/28/2019 2:23:10 PM




#93
Benzo(g,h,i)perylene
Concen: 1.867 ng/ul
RT: 26.60 min Scan# 4015
Delta R.T. -0.01 min
Lab File: BM021212.D
Acq: 27 Jun 2019 12:19

Tgt Ion:276 Resp: 123086

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 17.5 | 14.6 | 21.8 |
| 277 | 22.3 | 18.9 | 28.3 |