Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080320\
Data File : BM026986.D
Acq On : 03 Aug 2020 19:50
Operator : JU/CG
Sample : L3424-05DL 25X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0S80DL

**Manual Integrations APPROVED**
mohammad
8/5/2020 10:26:24 AM

Quant Time: Aug 04 04:31:52 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072720MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 03 10:21:18 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.66 | 152 | 102554 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.43 | 136 | 406354 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.29 | 164 | 244161 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.03 | 188 | 501940 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.22 | 240 | 483014 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 23.43 | 264 | 484895 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.22 | 96 | 69 | 0.03 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.84 | 99 | 7564 | 0.84 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.00 | 67 | 5141 | 0.85 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.20 | 132 | 5913 | 0.88 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.36 | 113 | 5769 | 0.83 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.80 | 128 | 3054 | 0.97 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.52 | 143 | 2704 | 0.93 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.06 | 165 | 5446 | 0.79 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.57 | 131 | 2137 | 0.26 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 13.70 | 166 | 17261 | 0.90 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 13.98 | 160 | 20690 | 0.85 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.49 | 143 | 1183m | 0.37 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 15.29 | 176 | 14069 | 0.84 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.40 | 200 | 993 | 0.44 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 17.13 | 188 | 25513m | 1.02 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 19.43 | 212 | 25200 | 0.98 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 23.29 | 264 | 24519 | 0.90 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 28) Naphthalene | 10.48 | 128 | 47450 | 2.090 | ng/ul | 97 |
| 48) Acenaphthylene | 14.01 | 152 | 117302 | 4.739 | ng/ul | 99 |
| 70) Phenanthrene | 17.07 | 178 | 64369m | 2.113 | ng/ul | |
| 72) Anthracene | 17.17 | 178 | 230323 | 7.355 | ng/ul | 99 |
| 77) Fluoranthene | 19.09 | 202 | 344320 | 9.571 | ng/ul | 99 |
| 80) Pyrene | 19.46 | 202 | 468538 | 13.333 | ng/ul | 98 |
| 83) Benzo(a)anthracene | 21.21 | 228 | 308414m | 9.264 | ng/ul | |
| 85) Chrysene | 21.26 | 228 | 392776 | 12.098 | ng/ul | 97 |
| 88) Benzo(b)fluoranthene | 22.78 | 252 | 1199368 | 34.576 | ng/ul | 99 |
| 89) Benzo(k)fluoranthene | 22.82 | 252 | 435594 | 13.087 | ng/ul | 98 |
| 91) Benzo(a)pyrene | 23.33 | 252 | 385221 | 12.307 | ng/ul | 98 |
| 92) Indeno(1,2,3-cd)pyrene | 25.64 | 276 | 544530 | 14.023 | ng/ul | 96 |
| 93) Dibenzo(a,h)anthracene | 25.64 | 278 | 146907 | 4.473 | ng/ul# | 88 |
| 94) Benzo(g,h,i)perylene | 26.31 | 276 | 195223 | 6.080 | ng/ul | 99 |

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

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Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080320\
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Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 04 04:31:52 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072720MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 03 10:21:18 2020
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
C0S80DL

**Manual Integrations APPROVED**
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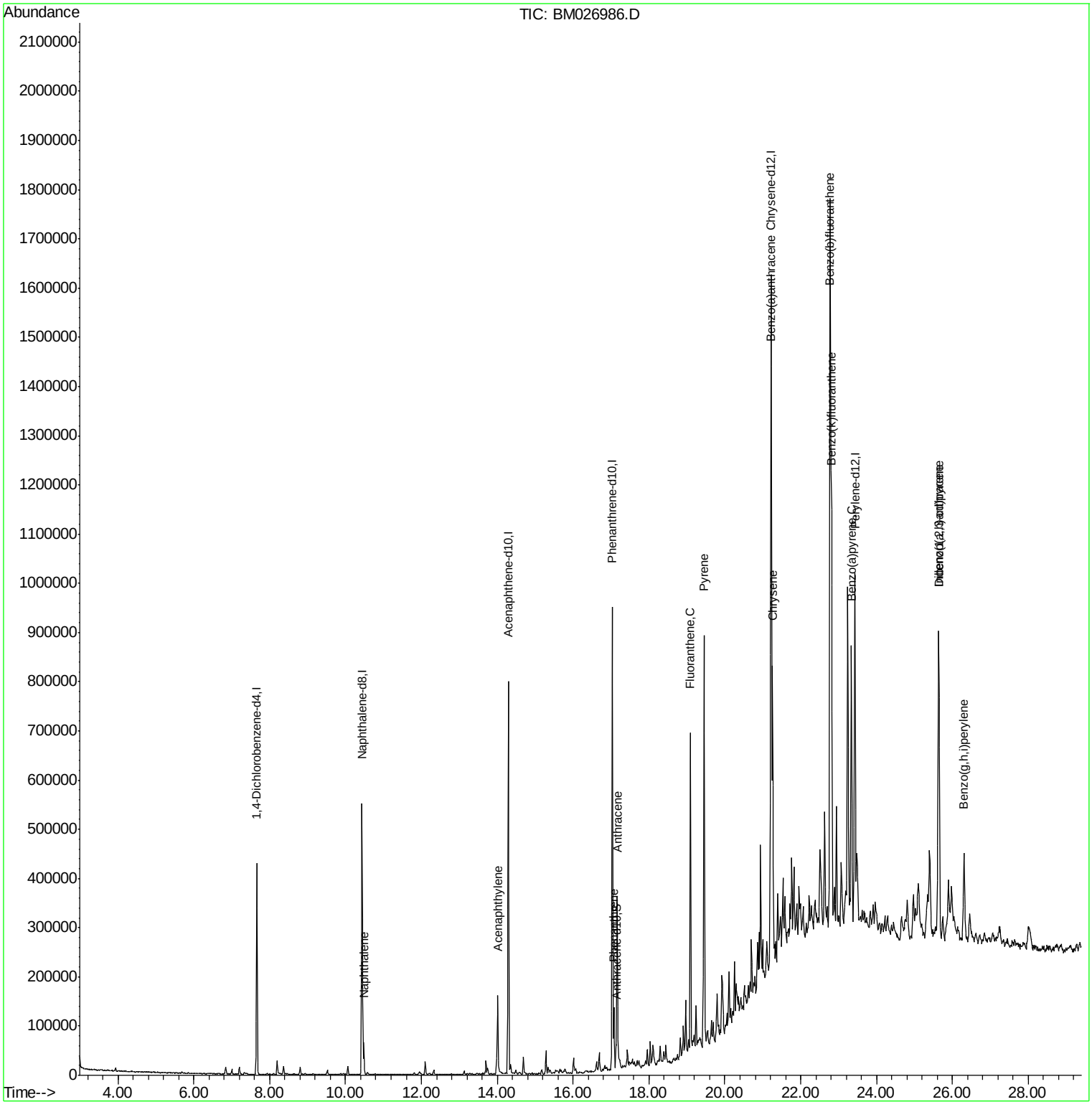
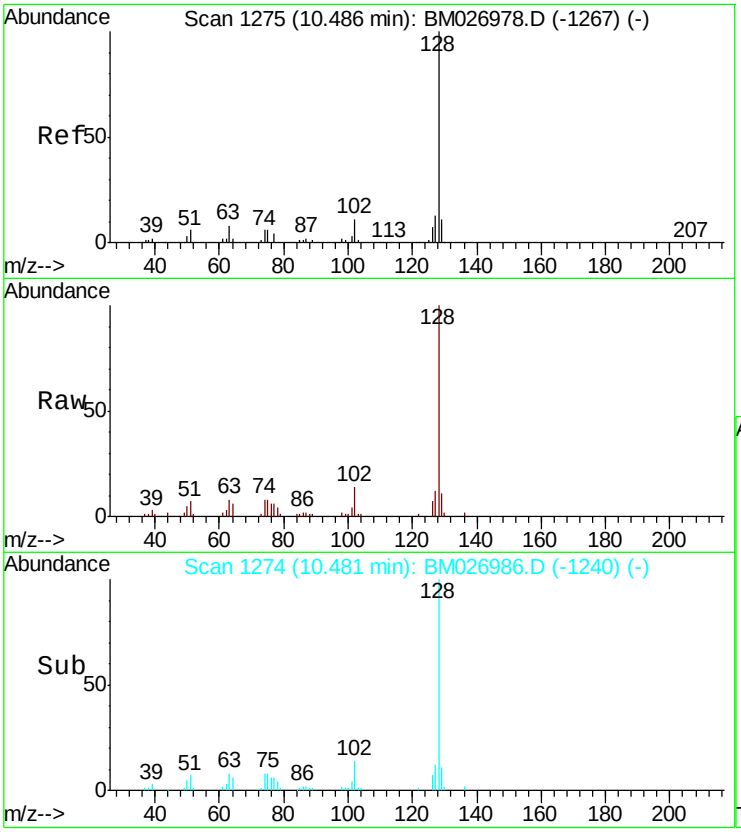
8/5/2020 10:26:24 AM

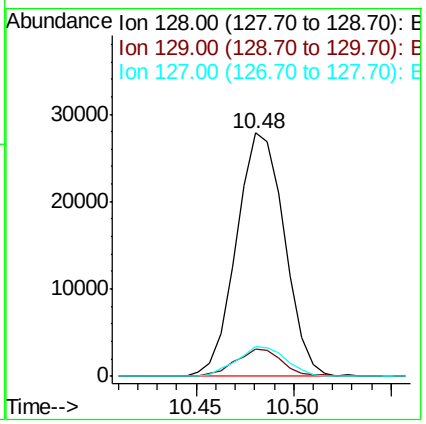





#28
Naphthalene
Concen: 2.090 ng/ul
RT: 10.48 min Scan# 1274
Delta R.T. -0.00 min
Lab File: BM026986.D
Acq: 03 Aug 2020 19:50

Tgt Ion:128 Resp: 47450

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.2 | 8.3 | 12.5 |
| 127 | 12.3 | 11.0 | 16.6 |




**Instrument :**
BNA_M
**ClientSampleId :**
C0S80DL

**Manual Integrations APPROVED**
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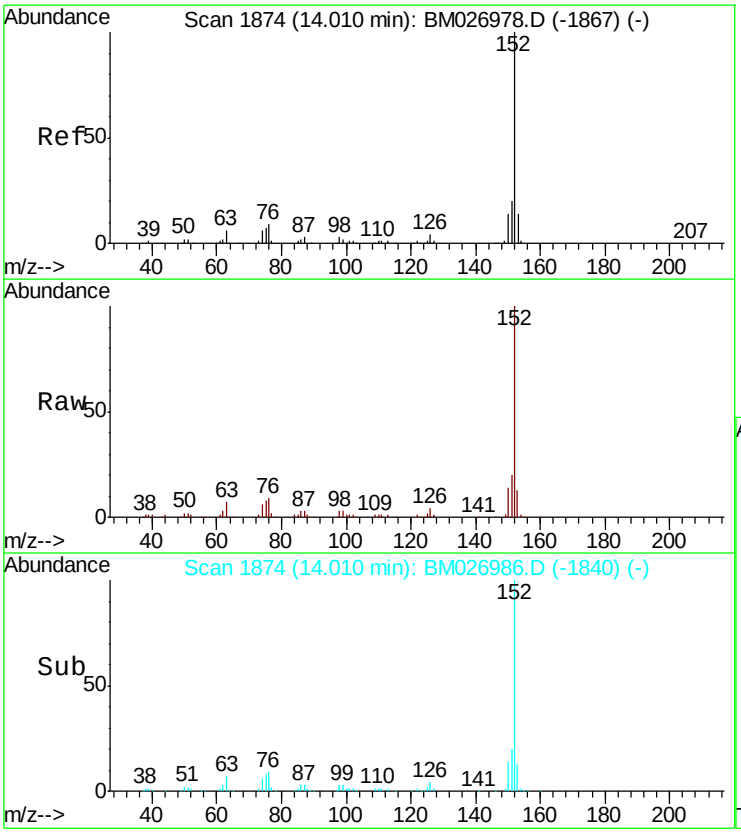
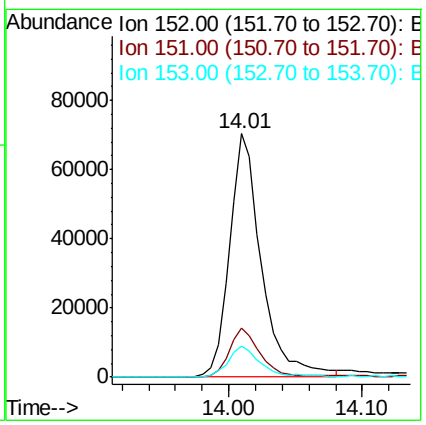
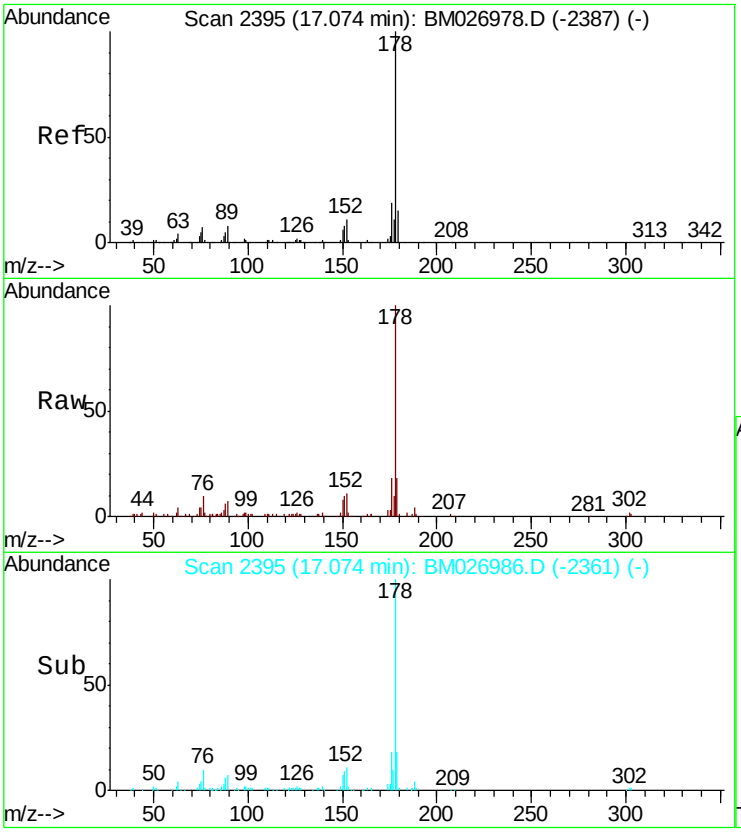



#48
Acenaphthylene
Concen: 4.739 ng/ul
RT: 14.01 min Scan# 1874
Delta R.T. -0.00 min
Lab File: BM026986.D
Acq: 03 Aug 2020 19:50

Tgt Ion:152 Resp: 117302

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.0 | 15.8 | 23.6 |
| 153 | 12.7 | 10.7 | 16.1 |

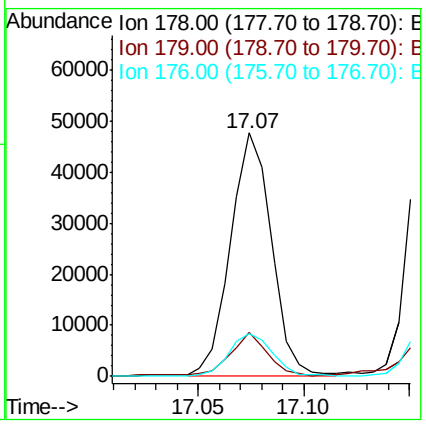





#70
Phenanthrene
Concen: 2.113 ng/ul m
RT: 17.07 min Scan# 2395
Delta R.T. -0.00 min
Lab File: BM026986.D
Acq: 03 Aug 2020 19:50

Tgt Ion:178 Resp: 64369

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 18.2 | 12.0 | 18.0# |
| 176 | 17.5 | 14.7 | 22.1 |




**Instrument :**
BNA_M
**ClientSampleId :**
C0S80DL

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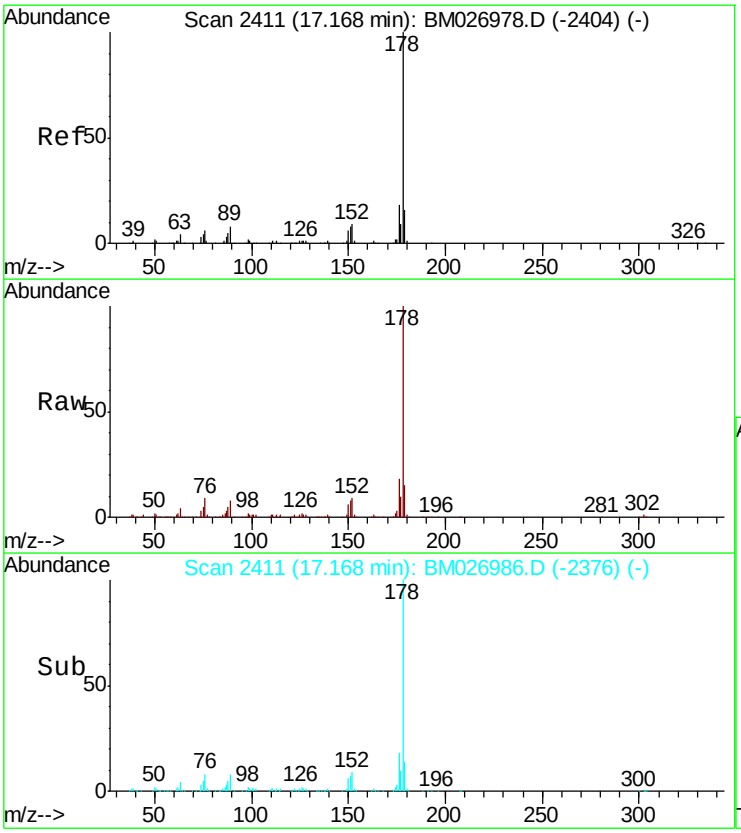
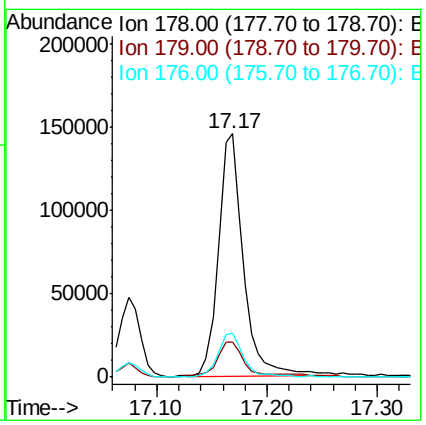
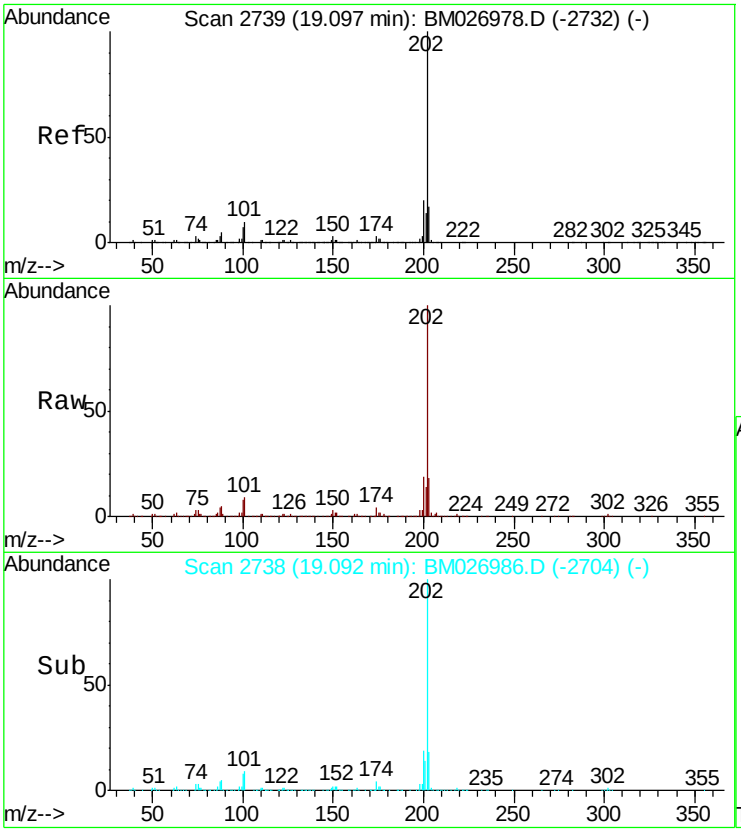



#72
Anthracene
Concen: 7.355 ng/ul
RT: 17.17 min Scan# 2411
Delta R.T. 0.00 min
Lab File: BM026986.D
Acq: 03 Aug 2020 19:50

Tgt Ion:178 Resp: 230323

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 14.5 | 11.8 | 17.6 |
| 176 | 18.0 | 15.0 | 22.6 |

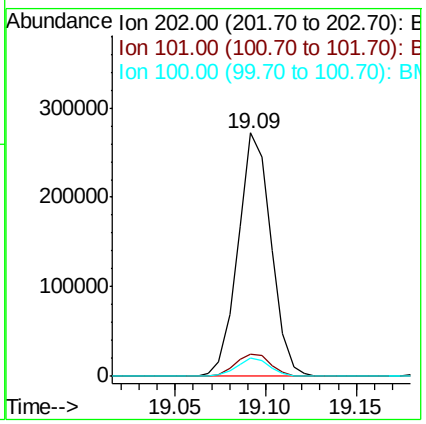





#77
Fluoranthene
Concen: 9.571 ng/ul
RT: 19.09 min Scan# 2738
Delta R.T. -0.00 min
Lab File: BM026986.D
Acq: 03 Aug 2020 19:50

Tgt Ion:202 Resp: 344320

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.2 | 7.7 | 11.5 |
| 100 | 7.6 | 6.2 | 9.4 |




**Instrument :**
BNA_M
**ClientSampleId :**
C0S80DL

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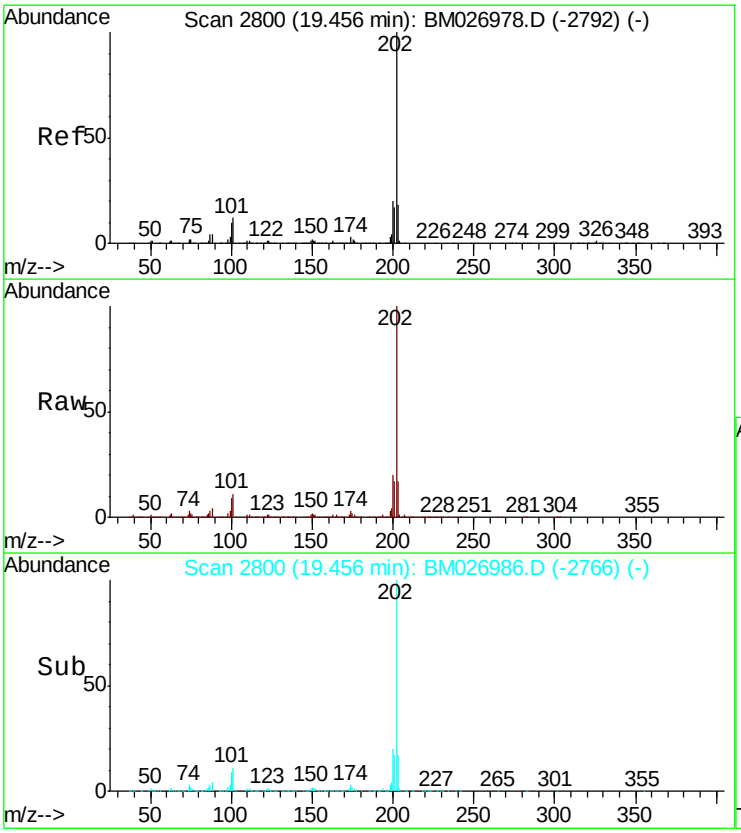
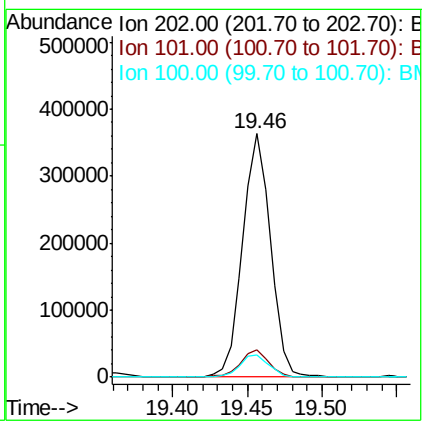
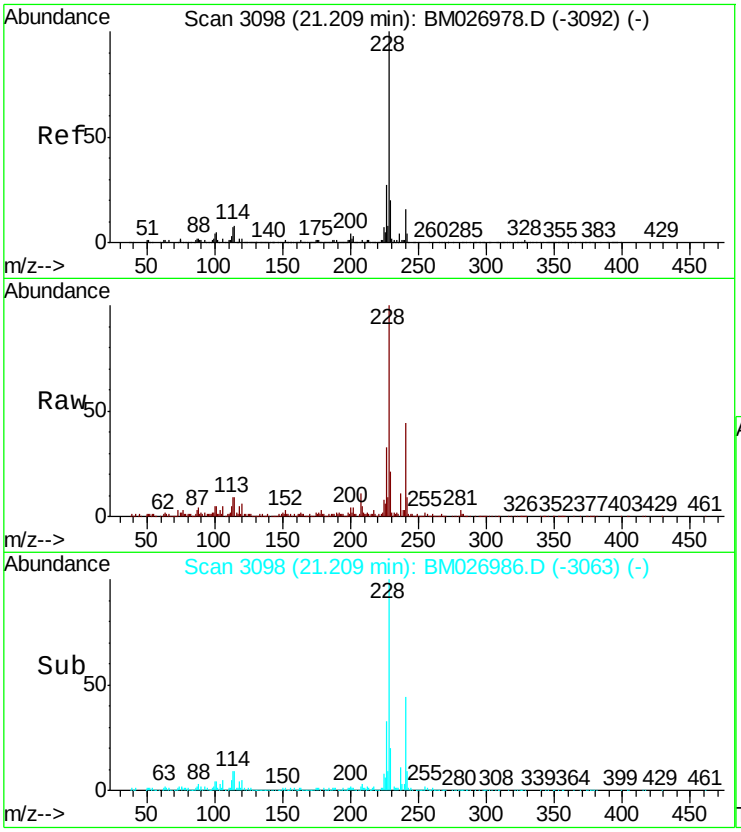



#80
Pyrene
Concen: 13.333 ng/ul
RT: 19.46 min Scan# 2800
Delta R.T. -0.00 min
Lab File: BM026986.D
Acq: 03 Aug 2020 19:50

Tgt Ion:202 Resp: 468538

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.2 | 9.4 | 14.2 |
| 100 | 9.1 | 8.2 | 12.4 |

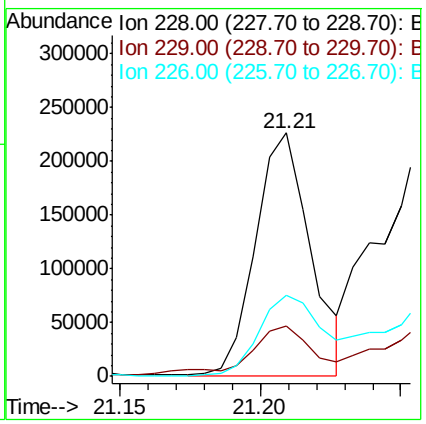





#83
Benzo(a)anthracene
Concen: 9.264 ng/ul m
RT: 21.21 min Scan# 3098
Delta R.T. 0.00 min
Lab File: BM026986.D
Acq: 03 Aug 2020 19:50

Tgt Ion:228 Resp: 308414

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 20.6 | 15.4 | 23.2 |
| 226 | 33.5 | 20.9 | 31.3# |




**Instrument :**
BNA_M
**ClientSampleId :**
C0S80DL

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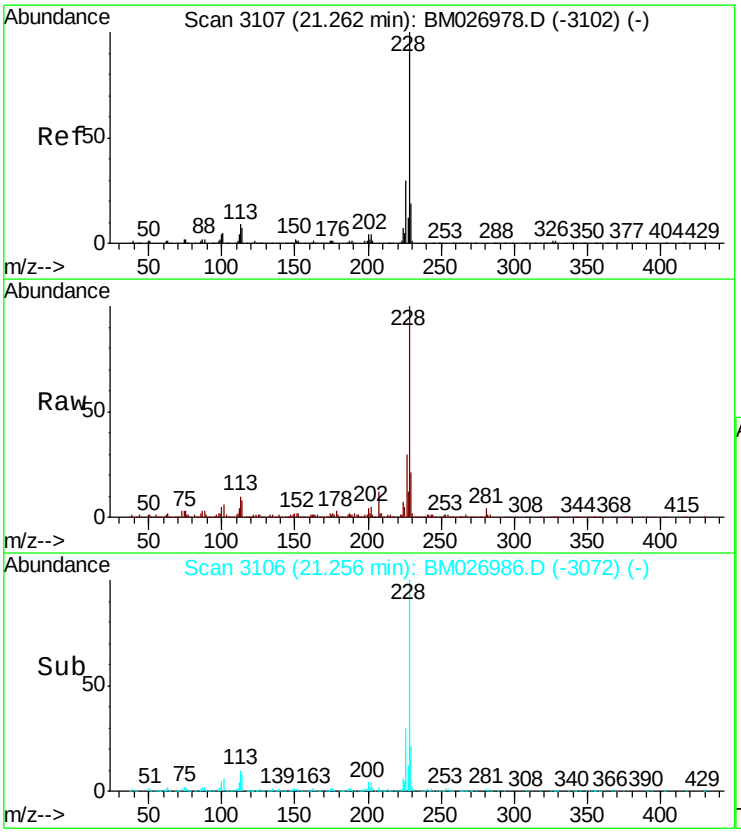
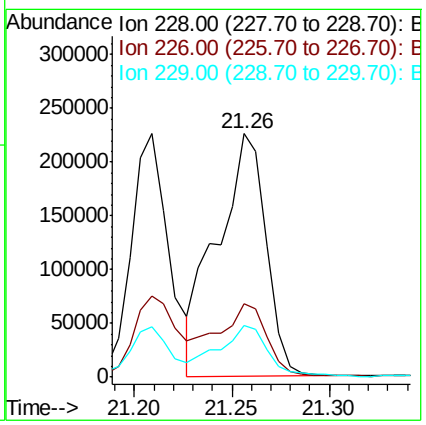
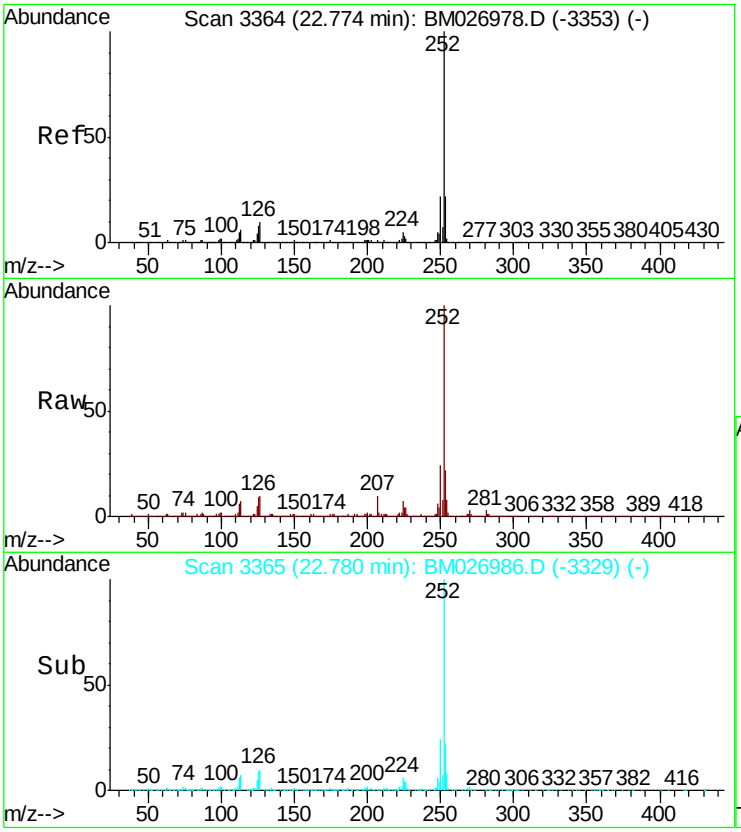



#85
Chrysene
Concen: 12.098 ng/ul
RT: 21.26 min Scan# 3106
Delta R.T. -0.00 min
Lab File: BM026986.D
Acq: 03 Aug 2020 19:50

Tgt Ion:228 Resp: 392776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.2 | 23.2 | 34.8 |
| 229 | 21.1 | 15.5 | 23.3 |

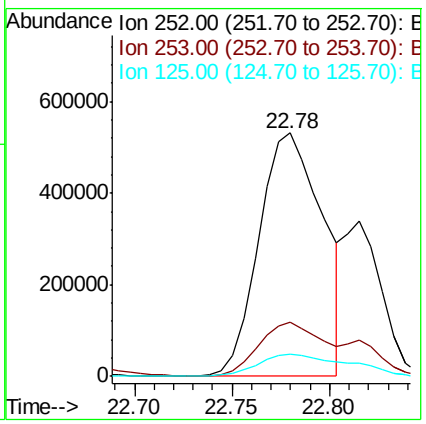





#88
Benzo(b)fluoranthene
Concen: 34.576 ng/ul
RT: 22.78 min Scan# 3365
Delta R.T. 0.01 min
Lab File: BM026986.D
Acq: 03 Aug 2020 19:50

Tgt Ion:252 Resp: 1199368

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 17.6 | 26.4 |
| 125 | 8.9 | 6.6 | 10.0 |

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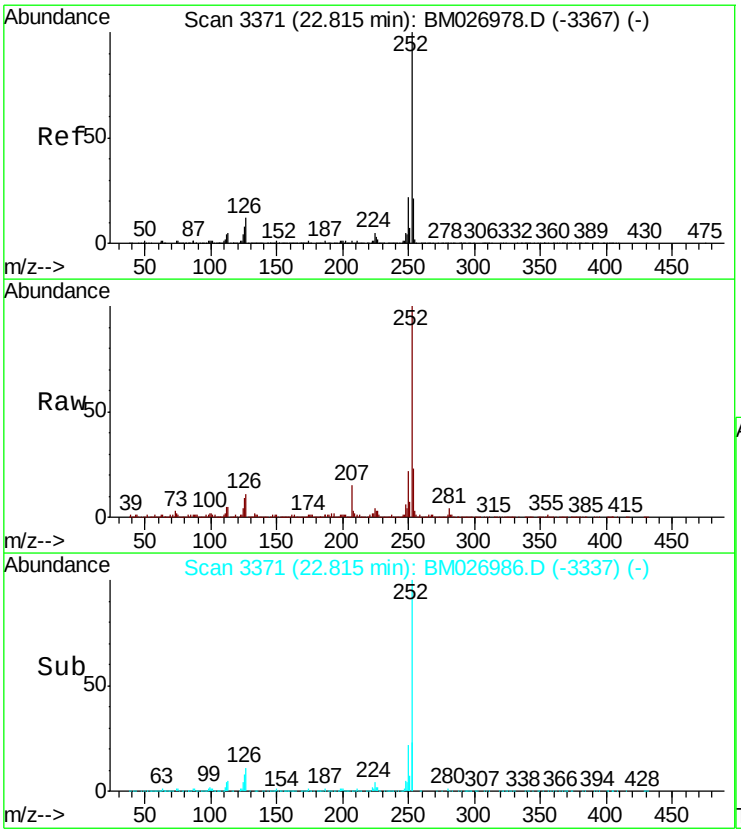
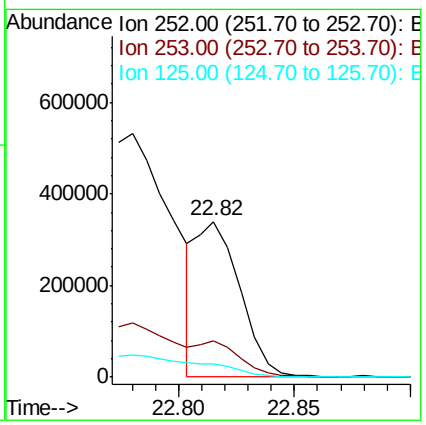
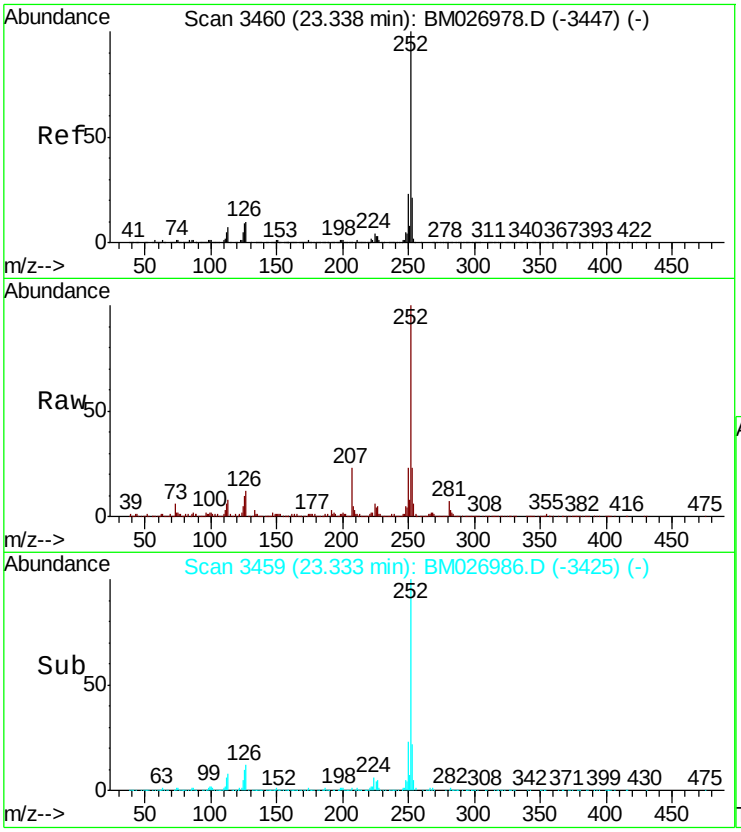



#89
Benzo(k)fluoranthene
Concen: 13.087 ng/ul
RT: 22.82 min Scan# 3371
Delta R.T. -0.00 min
Lab File: BM026986.D
Acq: 03 Aug 2020 19:50

Tgt Ion:252 Resp: 435594

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.0 | 17.4 | 26.2 |
| 125 | 8.8 | 7.3 | 10.9 |

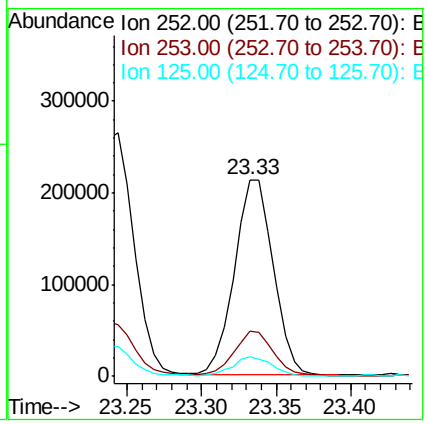





#91
Benzo(a)pyrene
Concen: 12.307 ng/ul
RT: 23.33 min Scan# 3459
Delta R.T. -0.00 min
Lab File: BM026986.D
Acq: 03 Aug 2020 19:50

Tgt Ion:252 Resp: 385221

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.2 | 17.7 | 26.5 |
| 125 | 10.0 | 8.2 | 12.2 |




**Instrument :**
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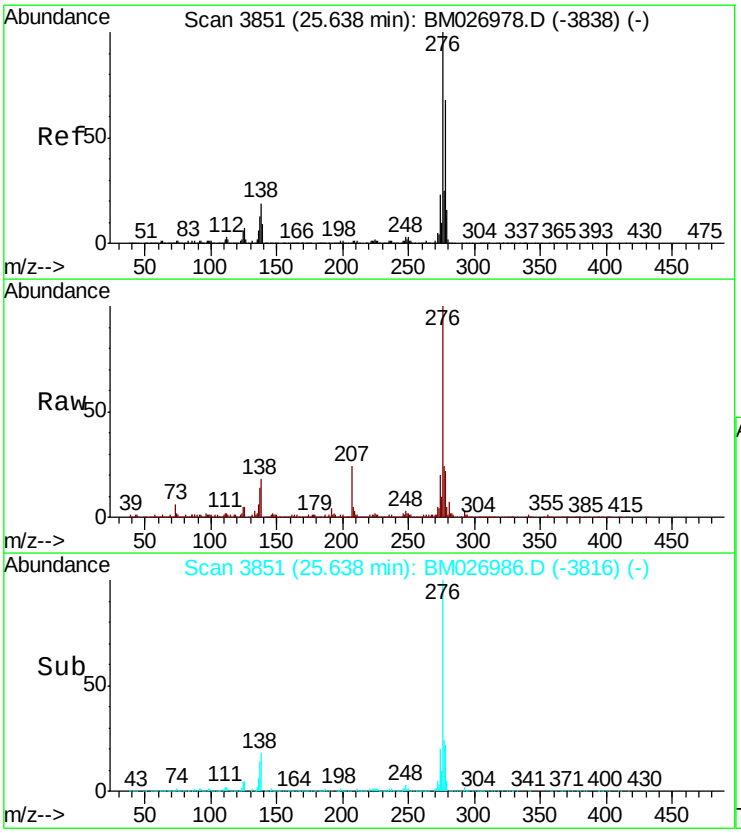
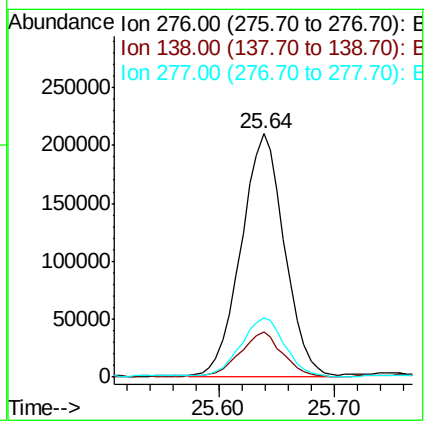
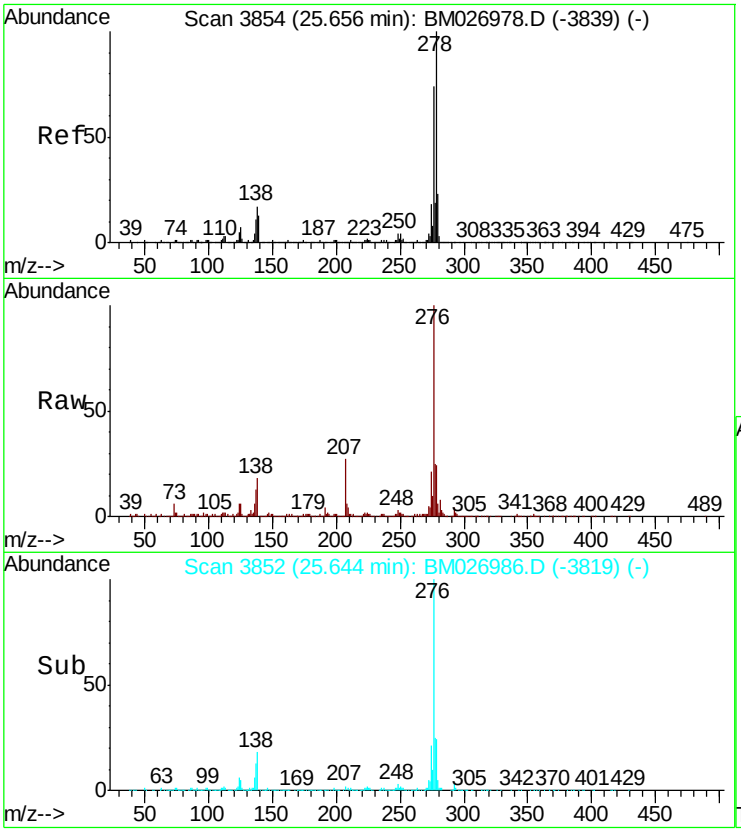



#92
Indeno(1,2,3-cd)pyrene
Concen: 14.023 ng/ul
RT: 25.64 min Scan# 3851
Delta R.T. 0.00 min
Lab File: BM026986.D
Acq: 03 Aug 2020 19:50

Tgt Ion:276 Resp: 544530

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 18.5 | 17.0 | 25.4 |
| 277 | 24.4 | 20.6 | 30.8 |

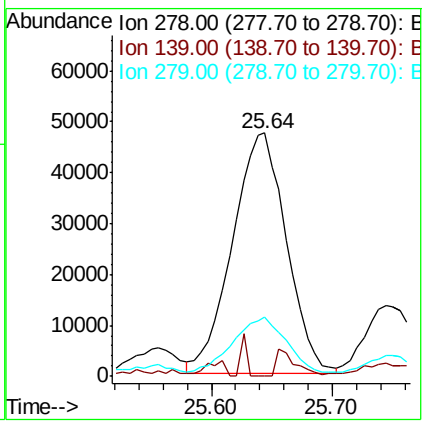





#93
Dibenzo(a,h)anthracene
Concen: 4.473 ng/ul
RT: 25.64 min Scan# 3852
Delta R.T. -0.01 min
Lab File: BM026986.D
Acq: 03 Aug 2020 19:50

Tgt Ion:278 Resp: 146907

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 0.0 | 10.9 | 16.3# |
| 279 | 24.3 | 19.4 | 29.2 |




**Instrument :**
BNA_M
**ClientSampleId :**
C0S80DL

**Manual Integrations APPROVED**
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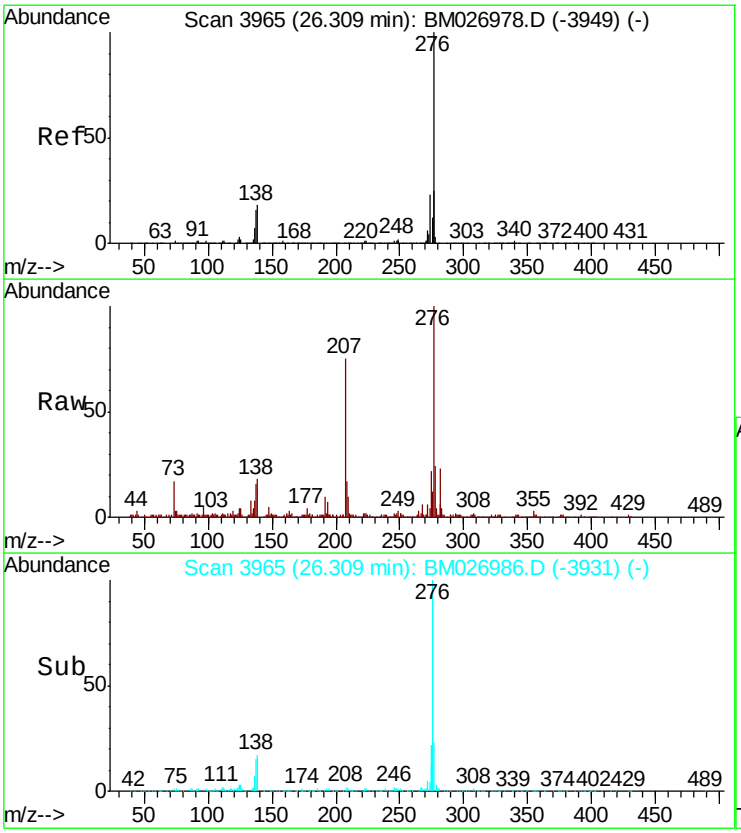
8/5/2020 10:26:24 AM




#94
Benzo(g,h,i)perylene
Concen: 6.080 ng/ul
RT: 26.31 min Scan# 3965
Delta R.T. -0.00 min
Lab File: BM026986.D
Acq: 03 Aug 2020 19:50

Tgt Ion:276 Resp: 195223

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 17.8 | 14.9 | 22.3 |
| 277 | 23.8 | 19.1 | 28.7 |