Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112020\
Data File : BM027873.D
Acq On : 21 Nov 2020 10:08
Operator : JU/CG
Sample : L4710-15DL 2X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0B44DL

Manual Integrations APPROVED
mohammad
11/24/2020 8:58:15 AM

Quant Time: Nov 21 12:27:54 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 20 17:20:22 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.33 | 152 | 973 | 0.40 | ng/ul | 0.00 |
| 2) Naphthalene-d8 | 11.17 | 136 | 3956 | 0.40 | ng/ul | 0.00 |
| 6) Acenaphthene-d10 | 14.95 | 164 | 2505 | 0.40 | ng/ul | 0.00 |
| 10) Phenanthrene-d10 | 17.66 | 188 | 5216 | 0.40 | ng/ul | 0.00 |
| 16) Chrysene-d12 | 21.76 | 240 | 3930 | 0.40 | ng/ul | 0.00 |
| 20) Perylene-d12 | 24.18 | 264 | 3077 | 0.40 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Methylnaphthalene-d10 | 12.73 | 152 | 581 | 0.09 | ng/ul | 0.00 |
| 14) Fluoranthene-d10 | 19.65 | 212 | 1322 | 0.09 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 3) Naphthalene | 11.22 | 128 | 651 | 0.055 | ng/ul# | 81 |
| 7) Acenaphthylene | 14.67 | 152 | 249 | 0.020 | ng/ul# | 59 |
| 12) Phenanthrene | 17.70 | 178 | 6380 | 0.387 | ng/ul | 99 |
| 13) Anthracene | 17.79 | 178 | 791m | 0.050 | ng/ul | |
| 15) Fluoranthene | 19.68 | 202 | 21905 | 1.199 | ng/ul | 99 |
| 17) Pyrene | 20.04 | 202 | 18267 | 0.915 | ng/ul | 100 |
| 18) Benzo(a)anthracene | 21.74 | 228 | 8194 | 0.517 | ng/ul | 98 |
| 19) Chrysene | 21.80 | 228 | 11966 | 0.775 | ng/ul | 98 |
| 21) Benzo(b)fluoranthene | 23.45 | 252 | 15023m | 1.162 | ng/ul | |
| 22) Benzo(k)fluoranthene | 23.49 | 252 | 4556m | 0.360 | ng/ul | |
| 23) Benzo(a)pyrene | 24.07 | 252 | 7623 | 0.674 | ng/ul | 92 |
| 24) Indeno(1,2,3-cd)pyrene | 26.67 | 276 | 5606 | 0.458 | ng/ul# | 97 |
| 25) Dibenzo(a,h)anthracene | 26.68 | 278 | 1357 | 0.133 | ng/ul# | 68 |
| 26) Benzo(g,h,i)perylene | 27.45 | 276 | 5003 | 0.487 | ng/ul | 98 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112020\
Data File : BM027873.D
Acq On : 21 Nov 2020 10:08
Operator : JU/CG
Sample : L4710-15DL 2X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 21 12:27:54 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 20 17:20:22 2020
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
C0B44DL

**Manual Integrations APPROVED**
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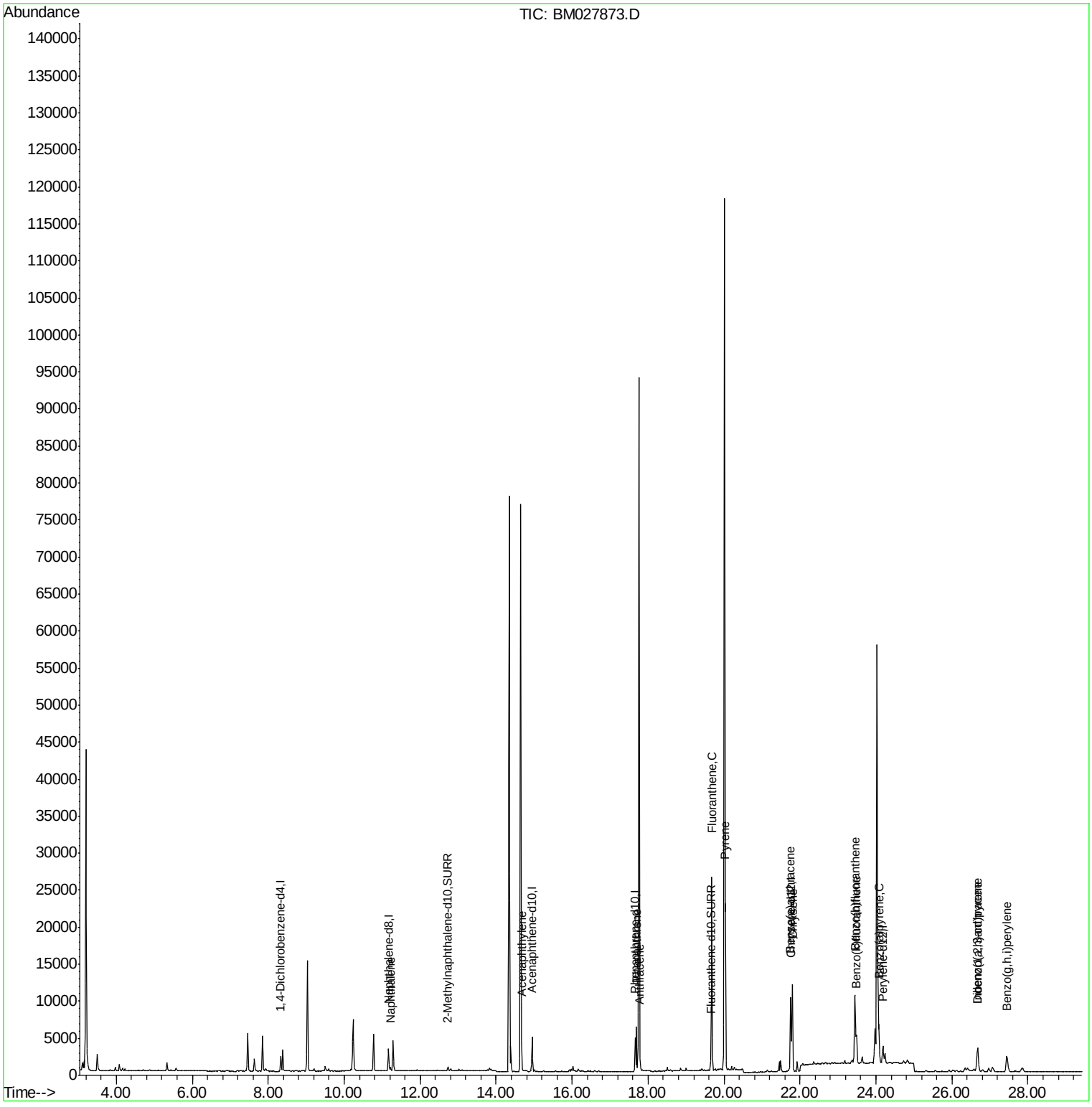

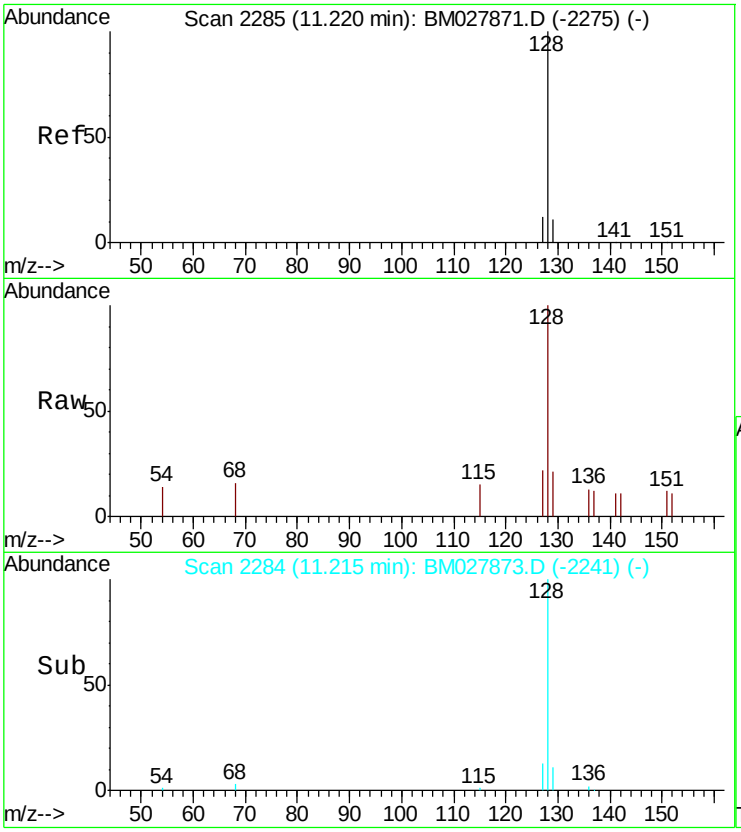


#3
Naphthalene
Concen: 0.055 ng/ul
RT: 11.22 min Scan# 2284
Delta R.T. -0.00 min
Lab File: BM027873.D
Acq: 21 Nov 2020 10:08

Tgt Ion:128 Resp: 651

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 21.5 | 10.4 | 15.6# |
| 127 | 22.4 | 12.0 | 18.0# |

**Instrument :**
BNA_M
**ClientSampleId :**
C0B44DL

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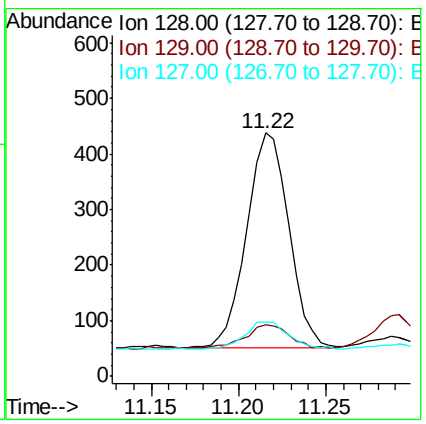
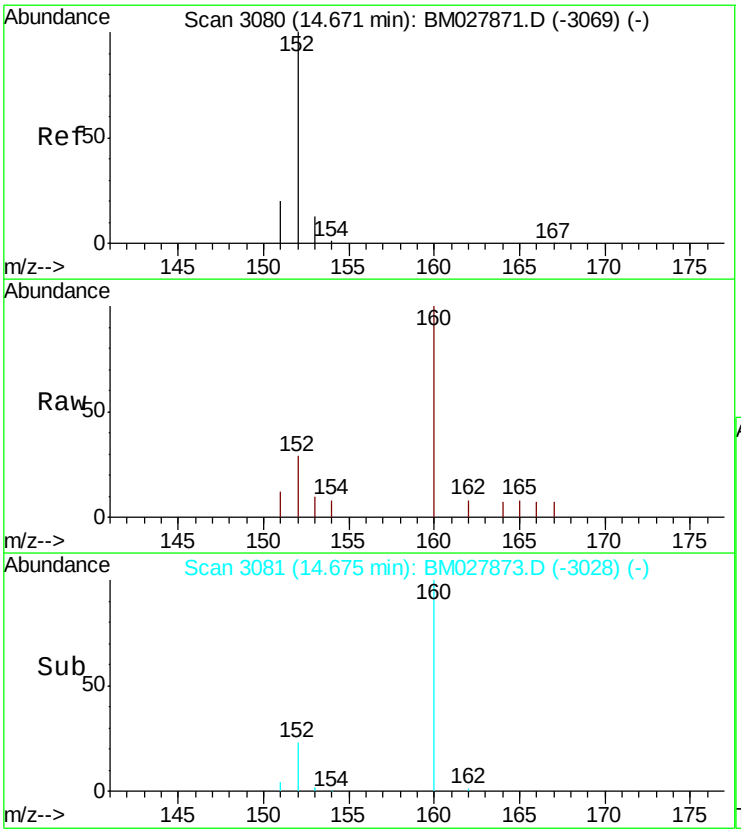
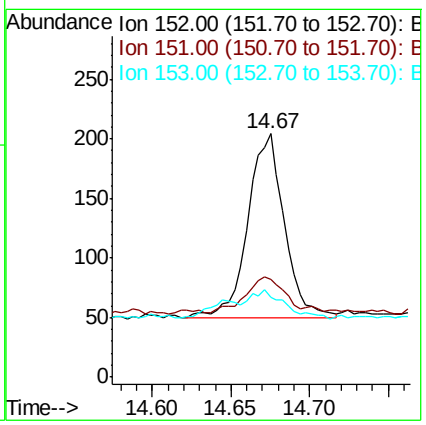


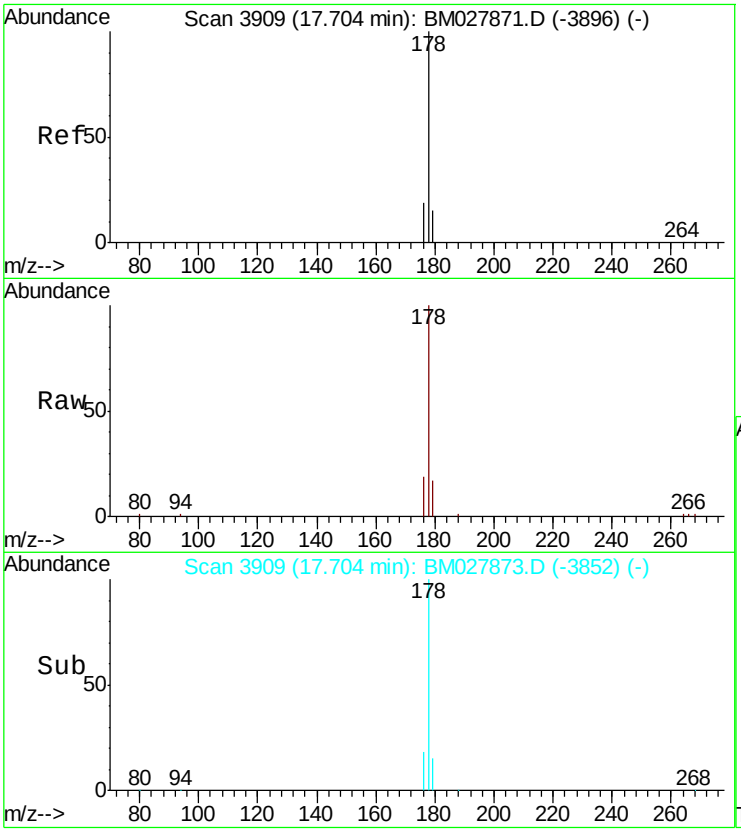




#7
Acenaphthylene
Concen: 0.020 ng/ul
RT: 14.67 min Scan# 3081
Delta R.T. -0.00 min
Lab File: BM027873.D
Acq: 21 Nov 2020 10:08

Tgt Ion:152 Resp: 249

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 40.2 | 17.1 | 25.7# |
| 153 | 32.8 | 12.0 | 18.0# |






#12
Phenanthrene
Concen: 0.387 ng/ul
RT: 17.70 min Scan# 3909
Delta R.T. -0.00 min
Lab File: BM027873.D
Acq: 21 Nov 2020 10:08

Tgt Ion:178 Resp: 6380

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.7 | 13.6 | 20.4 |
| 176 | 19.3 | 16.1 | 24.1 |

**Instrument :**
BNA_M
**ClientSampleId :**
C0B44DL

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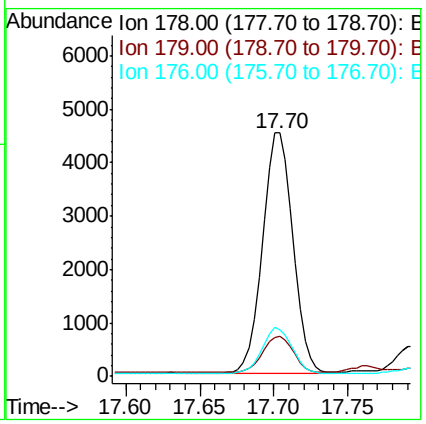
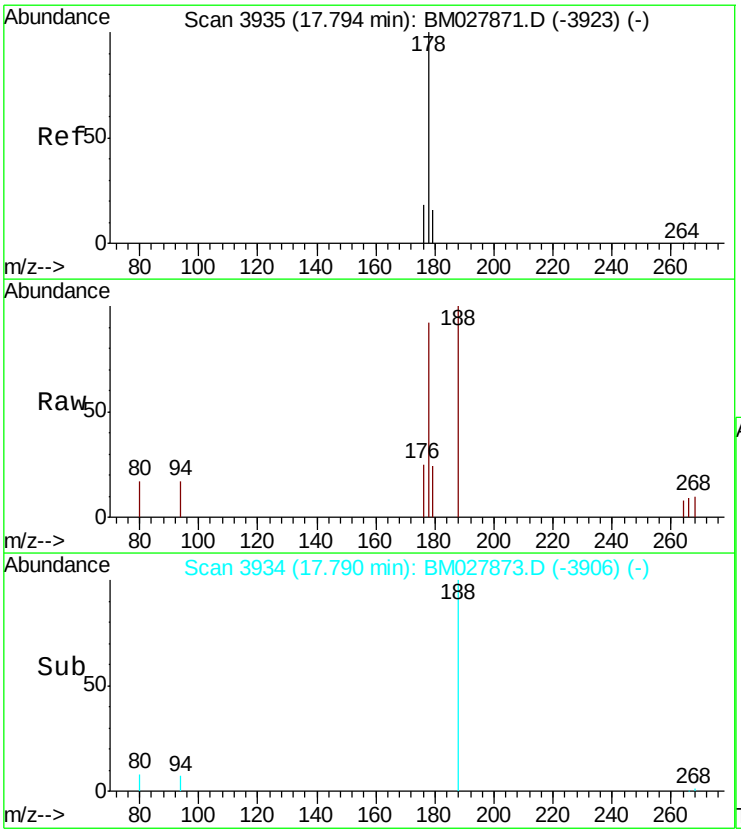
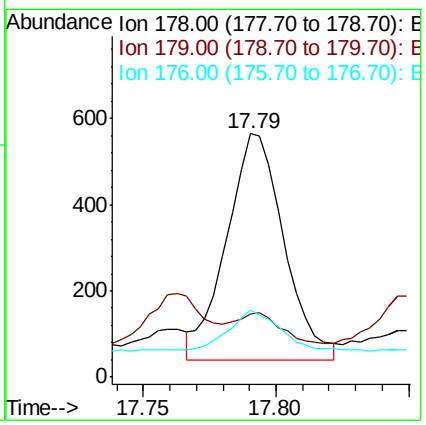


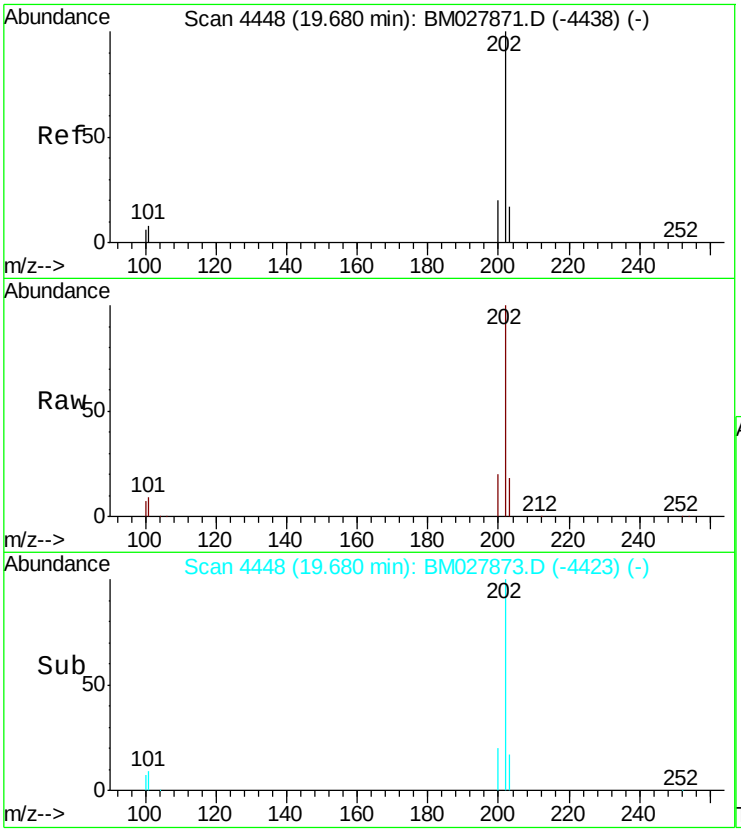




#13
Anthracene
Concen: 0.050 ng/ul m
RT: 17.79 min Scan# 3934
Delta R.T. -0.00 min
Lab File: BM027873.D
Acq: 21 Nov 2020 10:08

Tgt Ion:178 Resp: 791

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 25.8 | 13.4 | 20.2# |
| 176 | 27.3 | 15.0 | 22.6# |

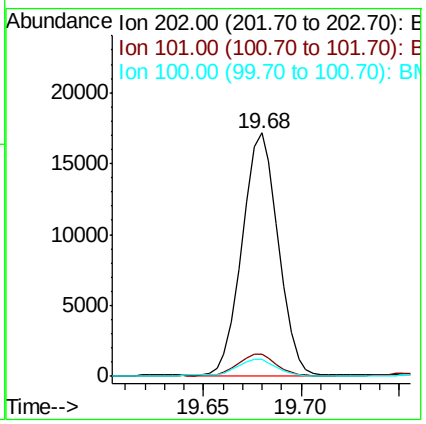





#15
Fluoranthene
Concen: 1.199 ng/ul
RT: 19.68 min Scan# 4448
Delta R.T. -0.00 min
Lab File: BM027873.D
Acq: 21 Nov 2020 10:08

Tgt Ion:202 Resp: 21905

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.0 | 0.0 | 29.3 |
| 100 | 7.0 | 0.0 | 27.4 |




**Instrument :**
BNA_M
**ClientSampleId :**
C0B44DL

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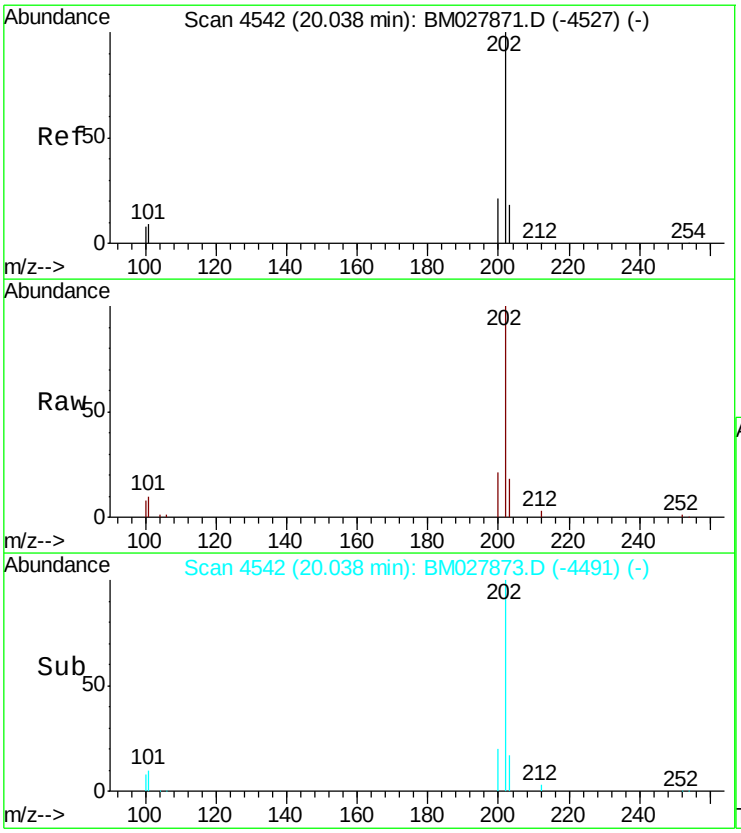
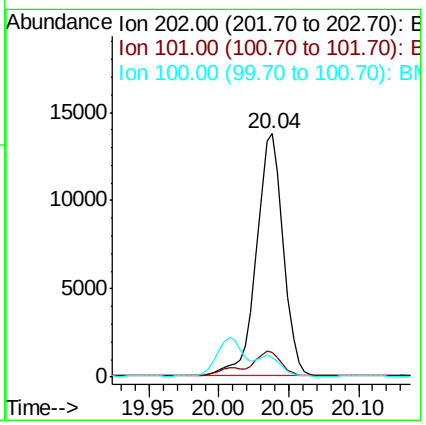
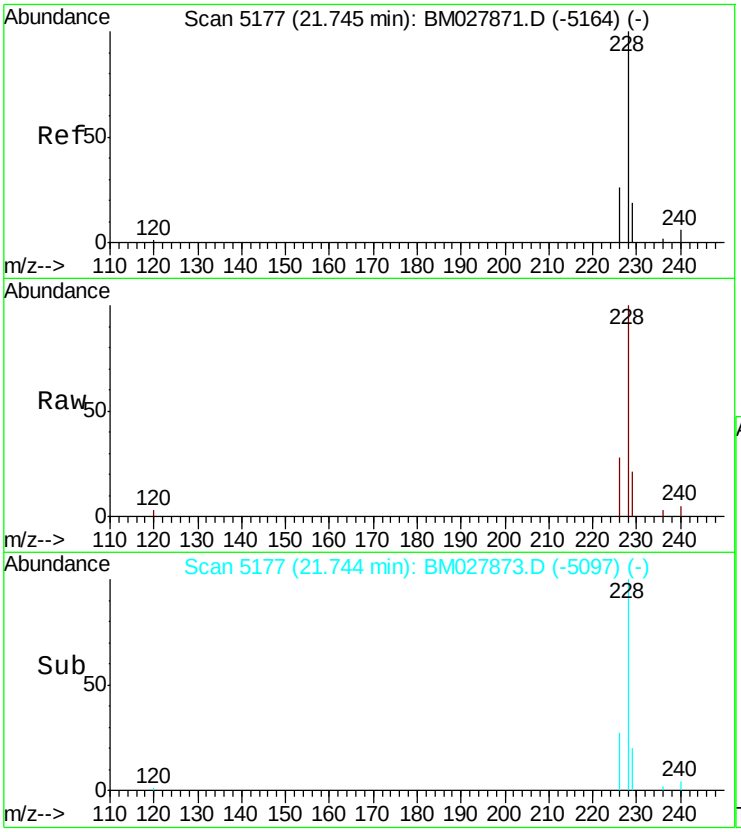



#17
Pyrene
Concen: 0.915 ng/ul
RT: 20.04 min Scan# 4542
Delta R.T. -0.00 min
Lab File: BM027873.D
Acq: 21 Nov 2020 10:08

Tgt Ion:202 Resp: 18267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.2 | 8.2 | 12.2 |
| 100 | 8.3 | 6.9 | 10.3 |

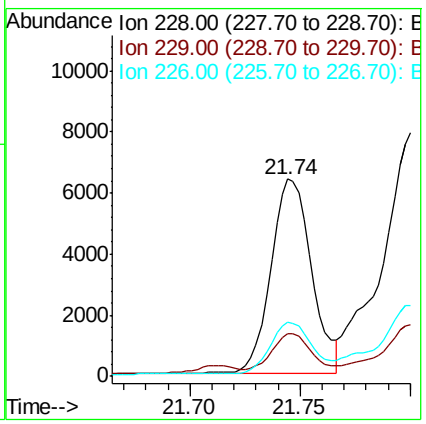





#18
Benzo(a)anthracene
Concen: 0.517 ng/ul
RT: 21.74 min Scan# 5177
Delta R.T. -0.01 min
Lab File: BM027873.D
Acq: 21 Nov 2020 10:08

Tgt Ion:228 Resp: 8194

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 21.4 | 16.2 | 24.4 |
| 226 | 27.7 | 21.5 | 32.3 |




**Instrument :**
BNA_M
**ClientSampleId :**
C0B44DL

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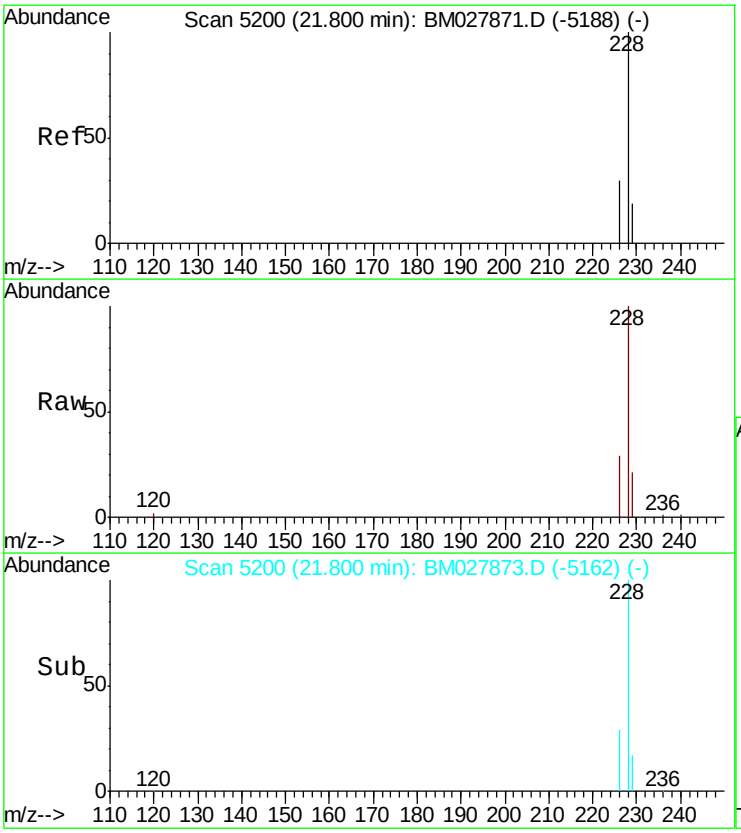
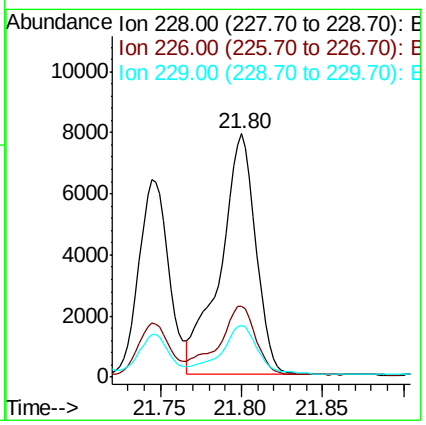
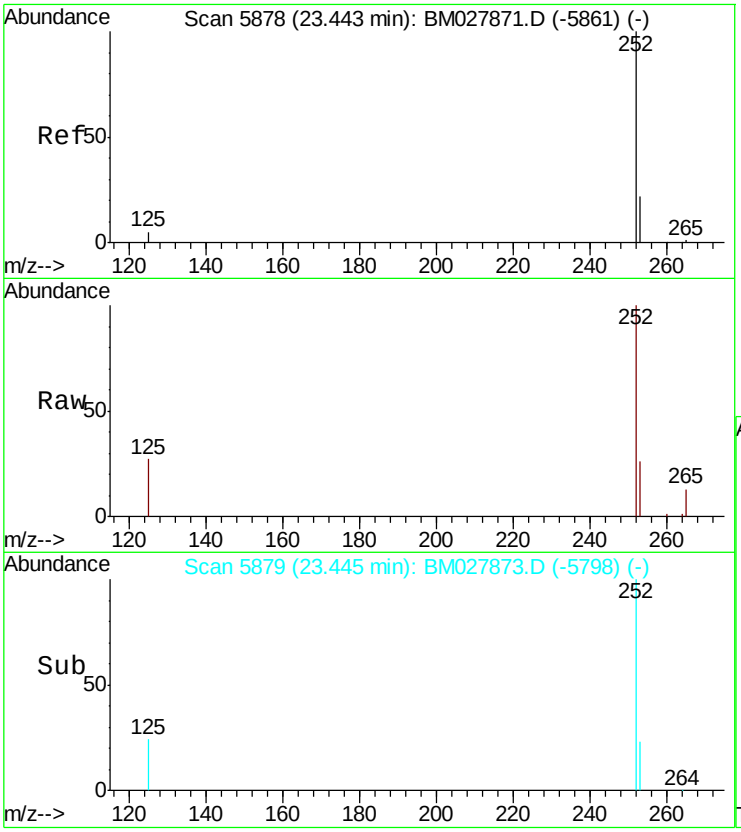



#19
Chrysene
Concen: 0.775 ng/ul
RT: 21.80 min Scan# 5200
Delta R.T. -0.01 min
Lab File: BM027873.D
Acq: 21 Nov 2020 10:08

Tgt Ion:228 Resp: 11966

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.2 | 24.1 | 36.1 |
| 229 | 21.4 | 16.6 | 24.8 |

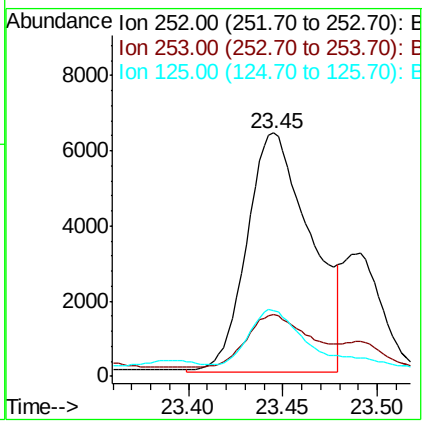





#21
Benzo(b)fluoranthene
Concen: 1.162 ng/ul m
RT: 23.45 min Scan# 5879
Delta R.T. -0.00 min
Lab File: BM027873.D
Acq: 21 Nov 2020 10:08

Tgt Ion:252 Resp: 15023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.6 | 0.0 | 59.6 |
| 125 | 26.9 | 0.0 | 28.4 |




**Instrument :**
BNA_M
**ClientSampleId :**
C0B44DL

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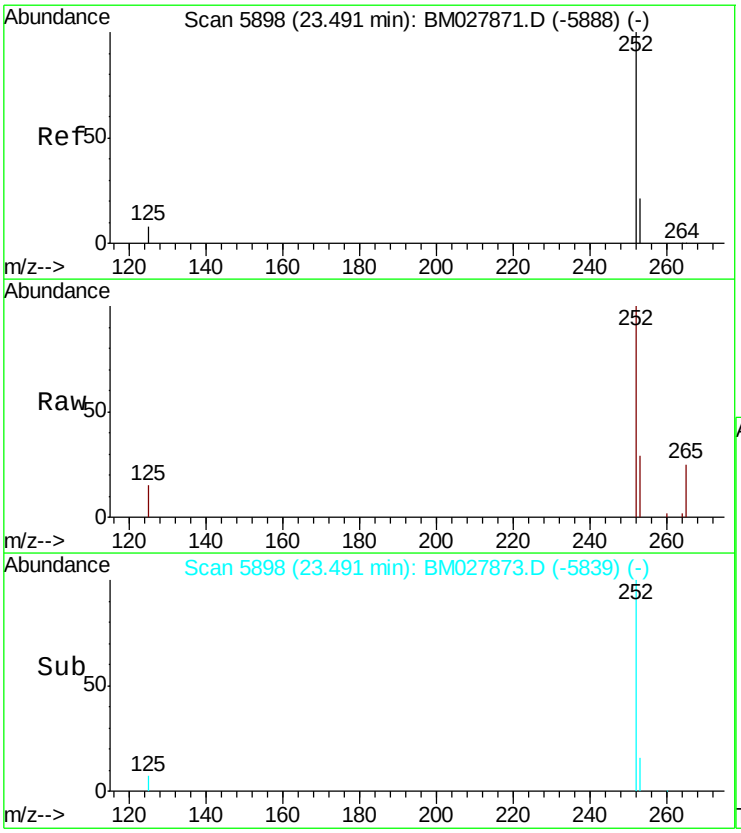
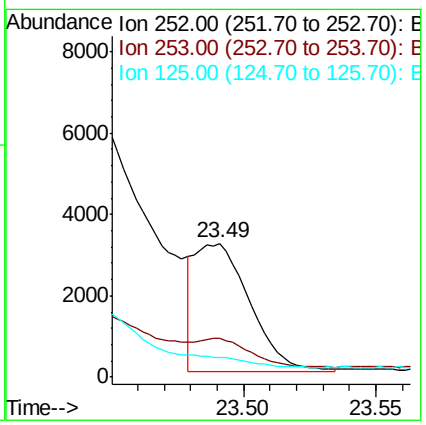
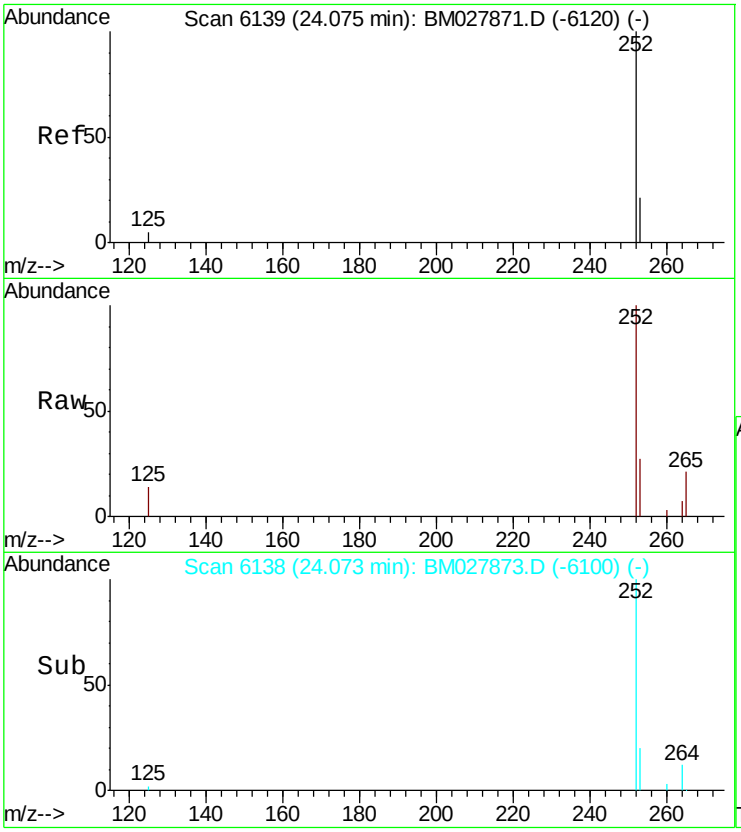



#22
Benzo(k)fluoranthene
Concen: 0.360 ng/ul m
RT: 23.49 min Scan# 5898
Delta R.T. -0.01 min
Lab File: BM027873.D
Acq: 21 Nov 2020 10:08

Tgt Ion:252 Resp: 4556

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 28.6 | 23.2 | 34.8 |
| 125 | 15.1 | 11.8 | 17.6 |






#23
Benzo(a)pyrene
Concen: 0.674 ng/ul
RT: 24.07 min Scan# 6138
Delta R.T. -0.01 min
Lab File: BM027873.D
Acq: 21 Nov 2020 10:08

Tgt Ion:252 Resp: 7623

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 27.1 | 25.2 | 37.8 |
| 125 | 14.0 | 13.8 | 20.6 |

**Instrument :**
BNA_M
**ClientSampleId :**
C0B44DL

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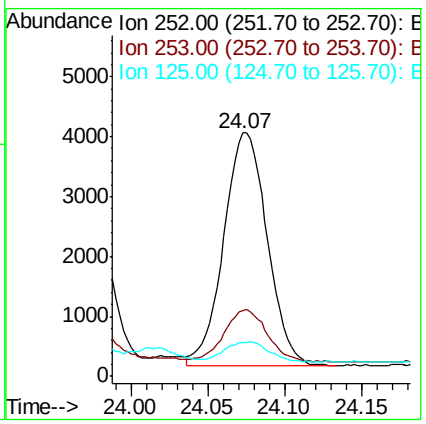
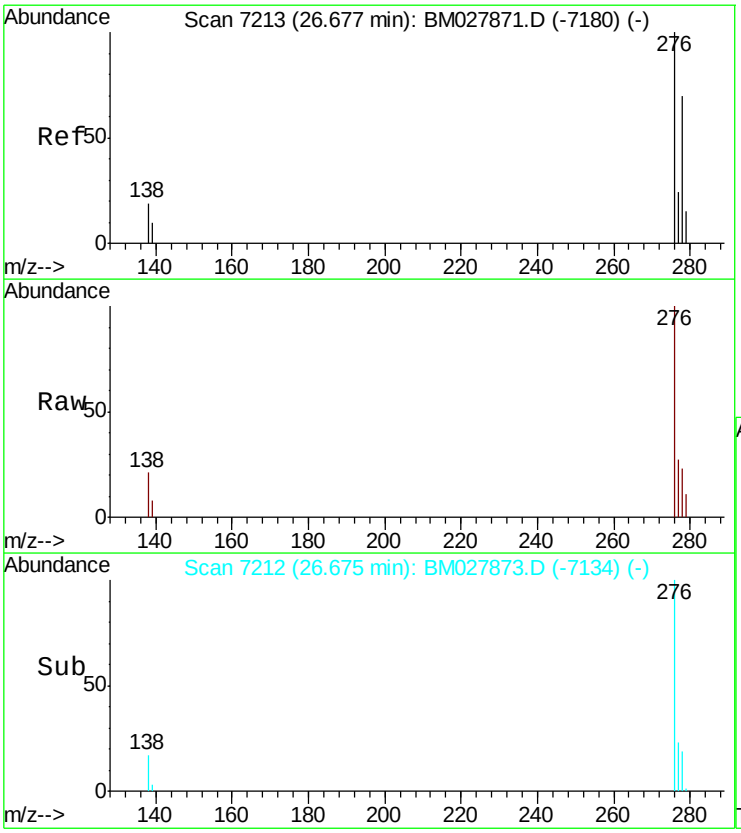
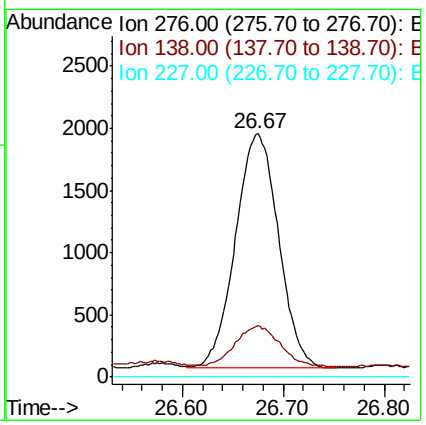


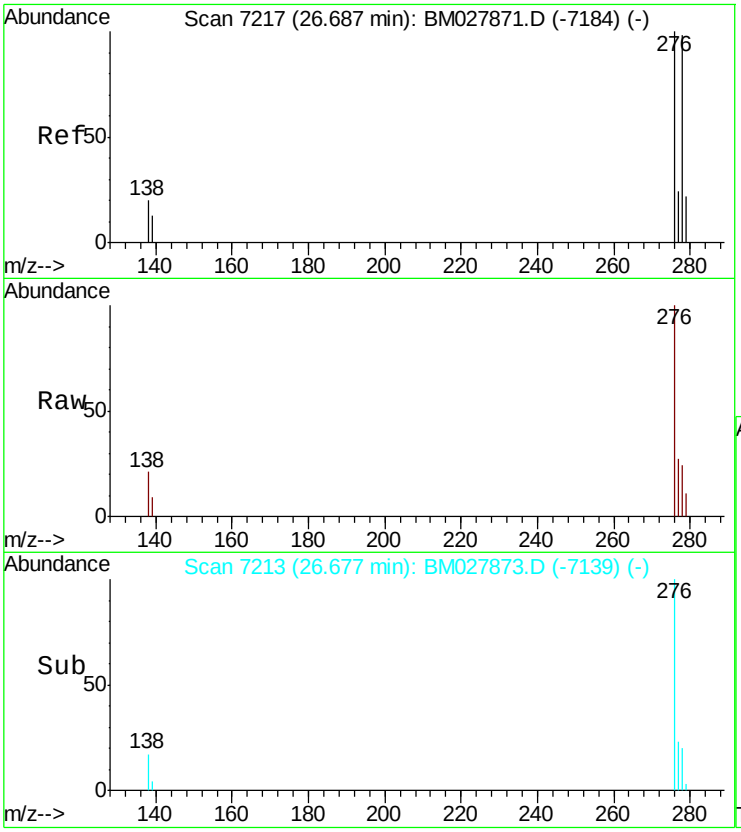




#24
Indeno(1,2,3-cd)pyrene
Concen: 0.458 ng/ul
RT: 26.67 min Scan# 7212
Delta R.T. -0.01 min
Lab File: BM027873.D
Acq: 21 Nov 2020 10:08

Tgt Ion:276 Resp: 5606

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 18.3 | 15.7 | 23.5 |
| 227 | 0.0 | 0.0 | 0.0 |

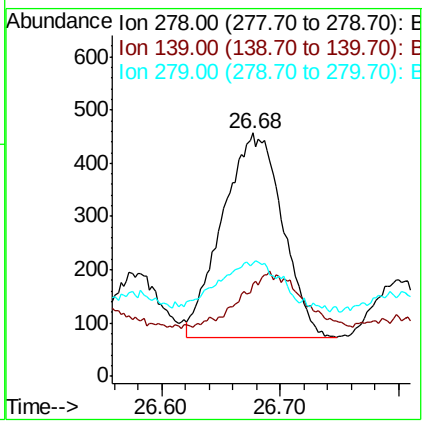





#25
Dibenzo(a,h)anthracene
Concen: 0.133 ng/ul
RT: 26.68 min Scan# 7213
Delta R.T. -0.02 min
Lab File: BM027873.D
Acq: 21 Nov 2020 10:08

Tgt Ion:278 Resp: 1357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 38.1 | 14.8 | 22.2# |
| 279 | 46.6 | 25.8 | 38.6# |




**Instrument :**
BNA_M
**ClientSampleId :**
C0B44DL

**Manual Integrations APPROVED**
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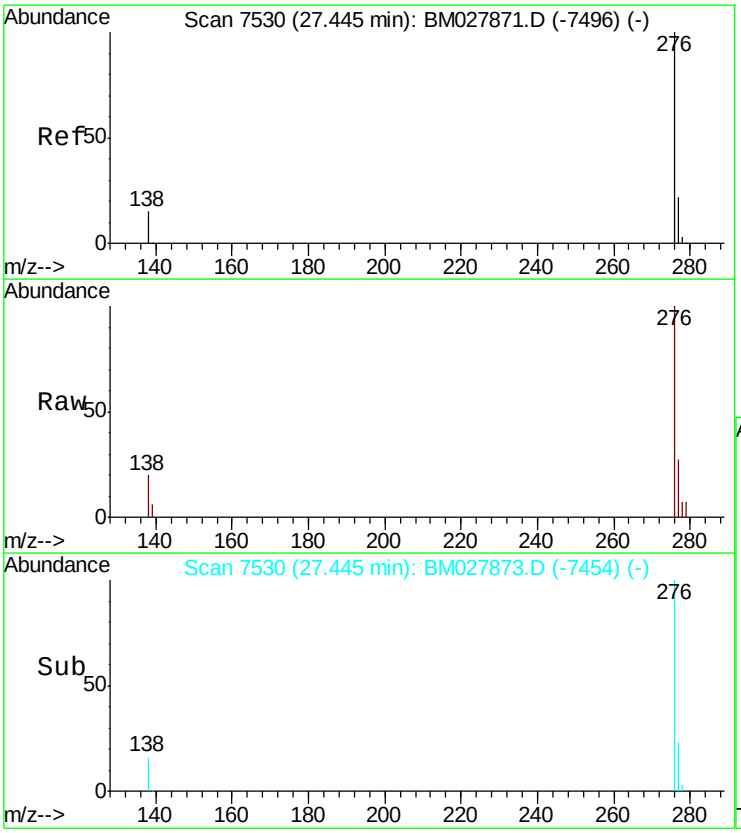


#26
Benzo(g,h,i)perylene
Concen: 0.487 ng/ul
RT: 27.45 min Scan# 7530
Delta R.T. -0.02 min
Lab File: BM027873.D
Acq: 21 Nov 2020 10:08

Tgt Ion:276 Resp: 5003

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 20.3 | 17.4 | 26.2 |
| 277 | 27.3 | 22.5 | 33.7 |