Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042723\
Data File : BM039745.D
Acq On : 28 Apr 2023 20:30
Operator : CG/JU
Sample : 02417-01
Misc :
ALS Vial : 48 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
EW8W7

Quant Time: Apr 29 02:25:50 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 28 02:30:02 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.796 | 152 | 4172 | 0.400 | ng/ul | -0.03 |
| 4) Naphthalene-d8 | 10.595 | 136 | 16397 | 0.400 | ng/ul | -0.02 |
| 9) Acenaphthene-d10 | 14.446 | 164 | 12296 | 0.400 | ng/ul | 0.00 |
| 13) Phenanthrene-d10 | 17.200 | 188 | 22318 | 0.400 | ng/ul | #-0.02 |
| 17) Chrysene-d12 | 21.395 | 240 | 13241 | 0.400 | ng/ul | -0.01 |
| 23) Perylene-d12 | 23.742 | 264 | 10163 | 0.400 | ng/ul | -0.02 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.188 | 96 | 14520 | 2.362 | ng/ul | 0.00 |
| 6) 2-Methylnaphthalene-d10 | 12.190 | 152 | 4343 | 0.206 | ng/ul | -0.03 |
| 18) Fluoranthene-d10 | 19.234 | 212 | 9572 | 0.269 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 5) Naphthalene | 10.639 | 128 | 205935 | 5.001 | ng/ul | 99 |
| 7) 2-Methylnaphthalene | 12.261 | 142 | 70280 | 2.957 | ng/ul | 97 |
| 8) 1-Methylnaphthalene | 12.481 | 142 | 46922 | 1.841 | ng/ul | 99 |
| 10) Acenaphthylene | 14.164 | 152 | 9905 | 0.208 | ng/ul# | 92 |
| 11) Acenaphthene | 14.506 | 153 | 6597 | 0.176 | ng/ul | 95 |
| 12) Fluorene | 15.496 | 166 | 9526 | 0.230 | ng/ul# | 96 |
| 15) Phenanthrene | 17.238 | 178 | 202999 | 3.452 | ng/ul | 99 |
| 16) Anthracene | 17.331 | 178 | 32774 | 0.649 | ng/ul | 99 |
| 19) Fluoranthene | 19.262 | 202 | 404352 | 8.560 | ng/ul | 98 |
| 20) Pyrene | 19.624 | 202 | 334848 | 6.564 | ng/ul | 100 |
| 21) Benzo(a)anthracene | 21.378 | 228 | 151420 | 3.977 | ng/ul | 99 |
| 22) Chrysene | 21.430 | 228 | 161269 | 3.743 | ng/ul | 98 |
| 24) Benzo(b)fluoranthene | 23.026 | 252 | 198552 | 5.563 | ng/ul | 93 |
| 26) Benzo(a)pyrene | 23.634 | 252 | 117050 | 3.653 | ng/ul# | 85 |
| 27) Indeno(1,2,3-cd)pyrene | 26.162 | 276 | 98649 | 2.435 | ng/ul# | 90 |
| 28) Dibenzo(a,h)anthracene | 26.166 | 278 | 22457 | 0.714 | ng/ul | 98 |
| 29) Benzo(g,h,i)perylene | 26.910 | 276 | 85240 | 2.414 | ng/ul | 97 |

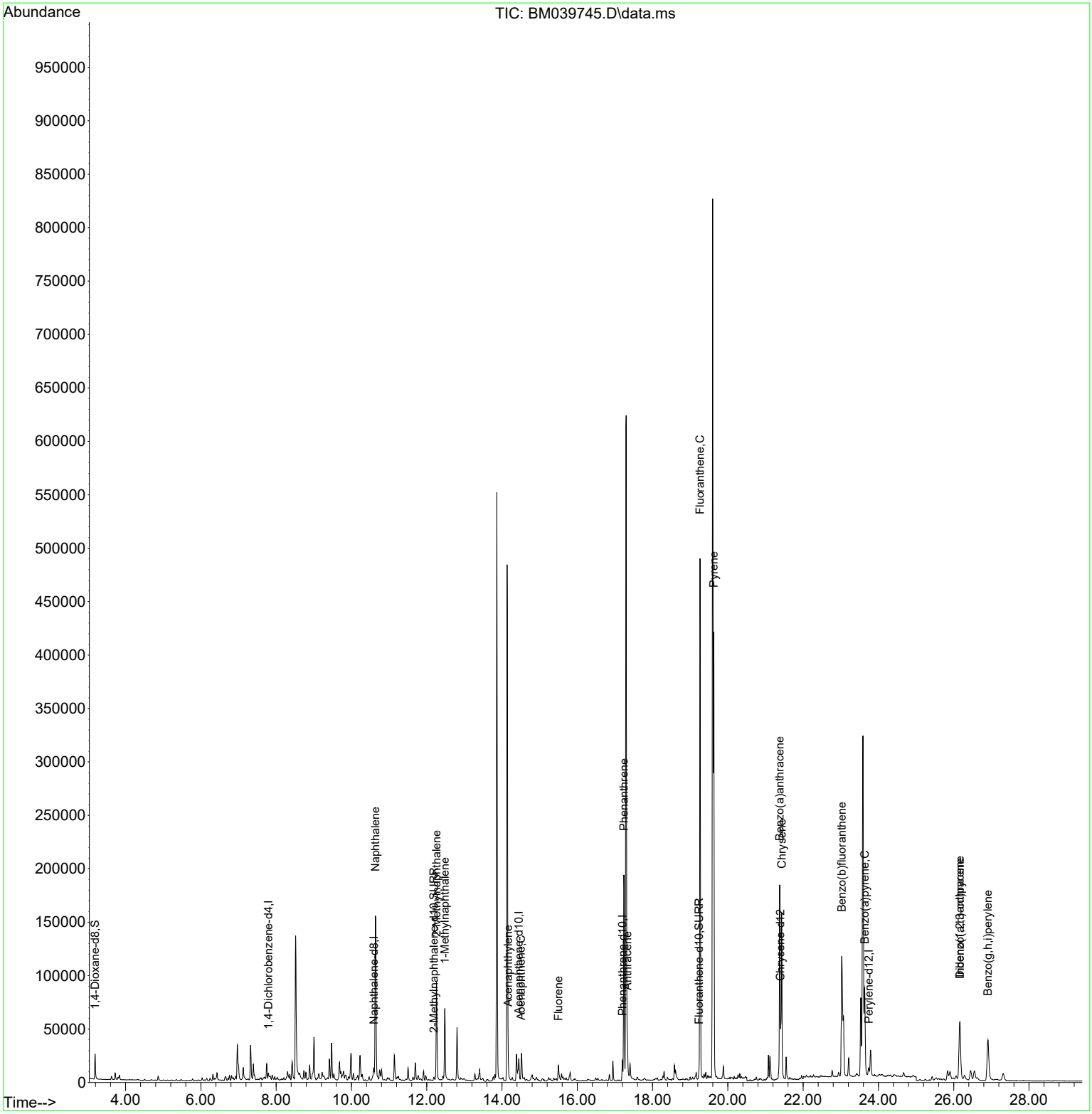
(#) = qualifier out of range (m) = manual integration (+) = signals summed

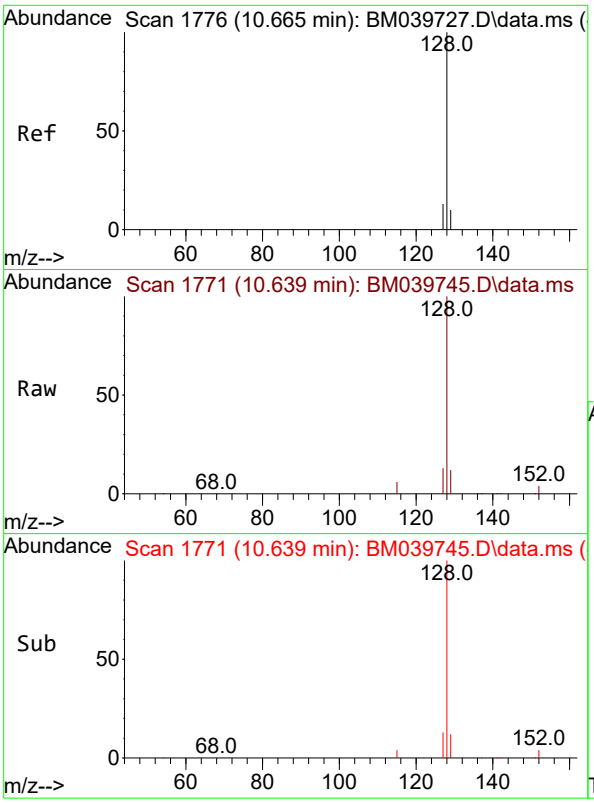
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042723\
Data File : BM039745.D
Acq On : 28 Apr 2023 20:30
Operator : CG/JU
Sample : 02417-01
Misc :
ALS Vial : 48 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
EW8W7

Quant Time: Apr 29 02:25:50 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 28 02:30:02 2023
Response via : Initial Calibration



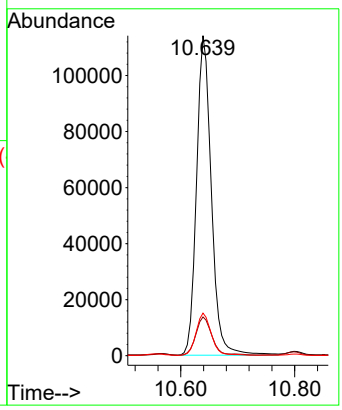


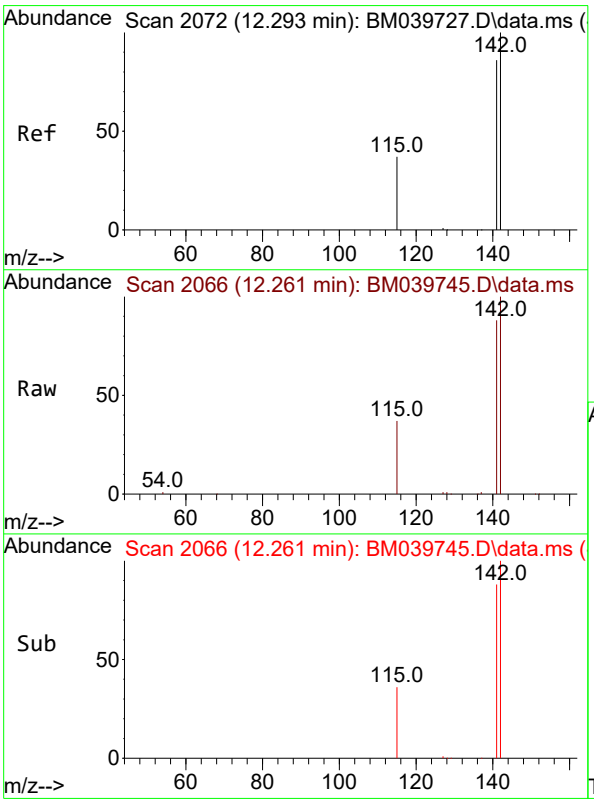

#5
Naphthalene
Concen: 5.001 ng/ul
RT: 10.639 min Scan# 1
Delta R.T. -0.022 min
Lab File: BM039745.D
Acq: 28 Apr 2023 20:30

**Instrument :**
BNA_M
**ClientSampleId :**
EW8W7

Tgt Ion:128 Resp: 205935

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 12.1 | 9.8 | 14.6 |
| 127 | 13.3 | 11.1 | 16.7 |

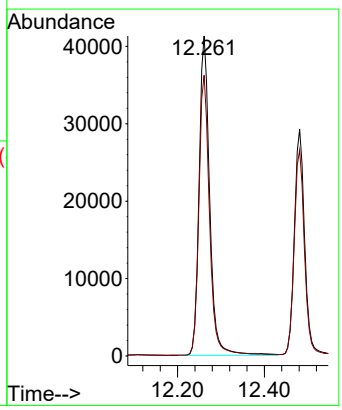


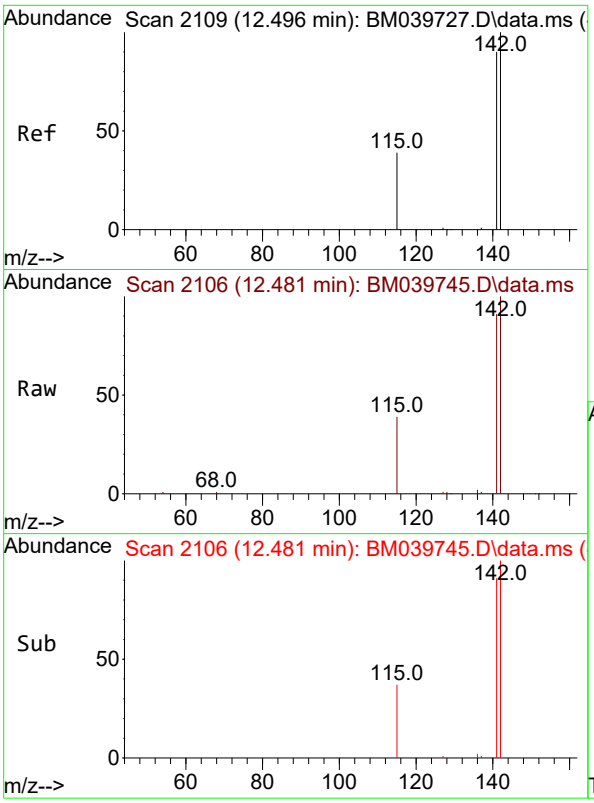




#7
2-Methylnaphthalene
Concen: 2.957 ng/ul
RT: 12.261 min Scan# 2066
Delta R.T. -0.028 min
Lab File: BM039745.D
Acq: 28 Apr 2023 20:30

Tgt Ion:142 Resp: 70280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.2 | 73.2 | 109.8 |



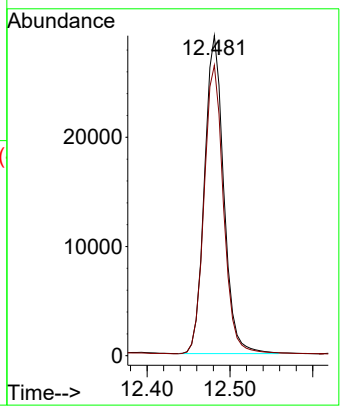


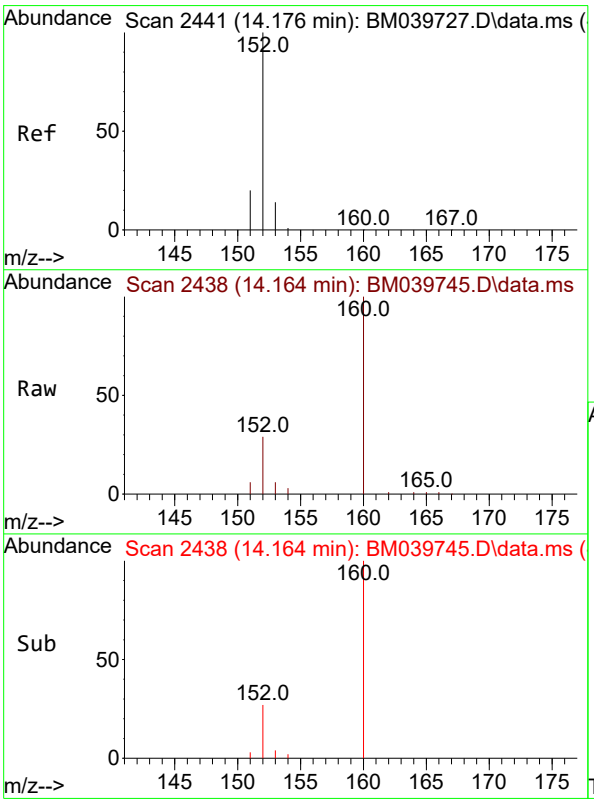

#8
1-Methylnaphthalene
Concen: 1.841 ng/ul
RT: 12.481 min Scan# 2
Delta R.T. -0.017 min
Lab File: BM039745.D
Acq: 28 Apr 2023 20:30

**Instrument :**
BNA_M
**ClientSampleId :**
EW8W7

Tgt Ion:142 Resp: 46922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.2 | 73.4 | 110.2 |

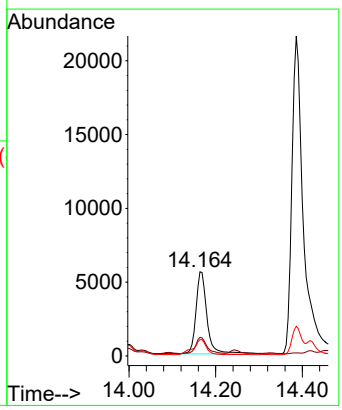


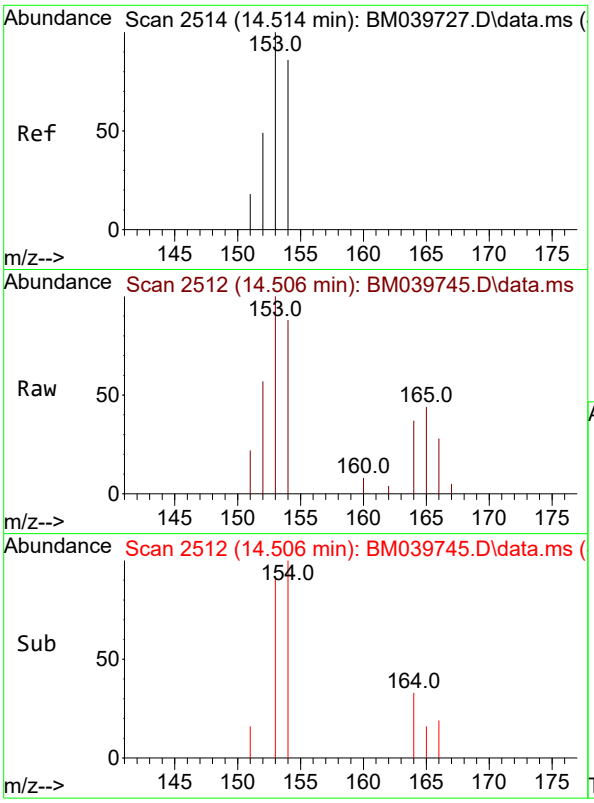




#10
Acenaphthylene
Concen: 0.208 ng/ul
RT: 14.164 min Scan# 2438
Delta R.T. -0.019 min
Lab File: BM039745.D
Acq: 28 Apr 2023 20:30

Tgt Ion:152 Resp: 9905

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 22.1 | 16.0 | 24.0 |
| 153 | 19.5 | 11.2 | 16.8# |



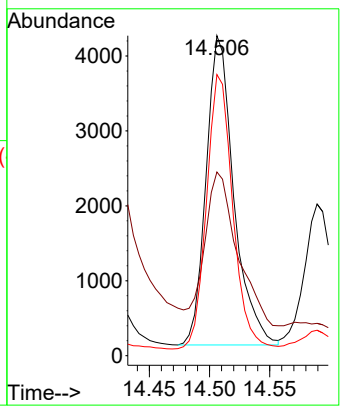


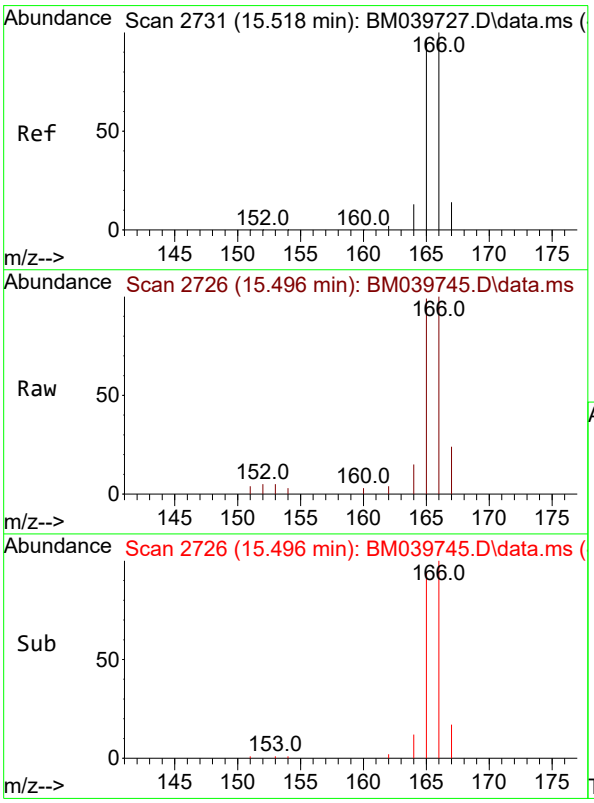

#11
Acenaphthene
Concen: 0.176 ng/ul
RT: 14.506 min Scan# 2
Delta R.T. -0.014 min
Lab File: BM039745.D
Acq: 28 Apr 2023 20:30

**Instrument :**
BNA_M
**ClientSampleId :**
EW8W7

Tgt Ion:153 Resp: 6597

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 57.4 | 40.6 | 61.0 |
| 154 | 87.8 | 71.9 | 107.9 |

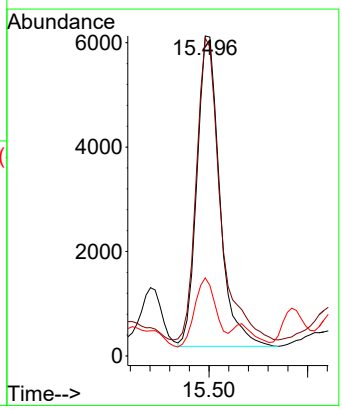


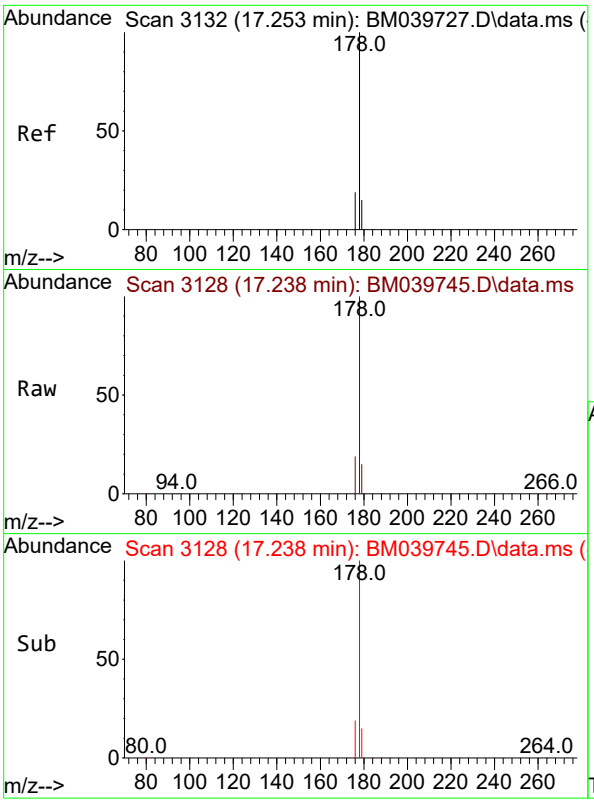




#12
Fluorene
Concen: 0.230 ng/ul
RT: 15.496 min Scan# 2726
Delta R.T. -0.023 min
Lab File: BM039745.D
Acq: 28 Apr 2023 20:30

Tgt Ion:166 Resp: 9526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 99.4 | 79.0 | 118.6 |
| 167 | 24.4 | 11.8 | 17.6# |



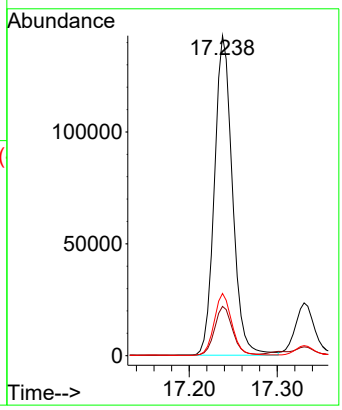


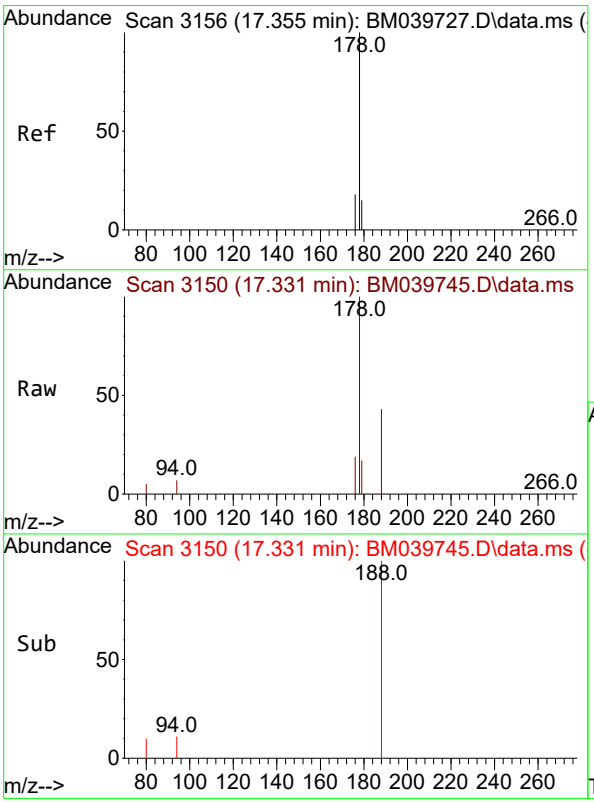

#15
Phenanthrene
Concen: 3.452 ng/ul
RT: 17.238 min Scan# 3
Delta R.T. -0.017 min
Lab File: BM039745.D
Acq: 28 Apr 2023 20:30

**Instrument :**
BNA_M
**ClientSampleId :**
EW8W7

Tgt Ion:178 Resp: 202999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.4 | 13.0 | 19.6 |
| 176 | 19.4 | 15.8 | 23.8 |

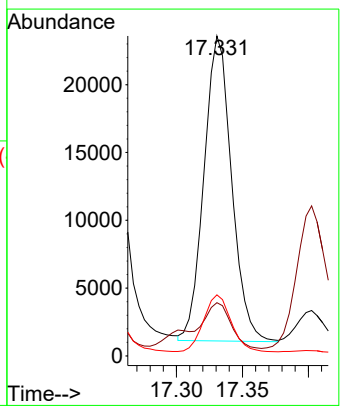


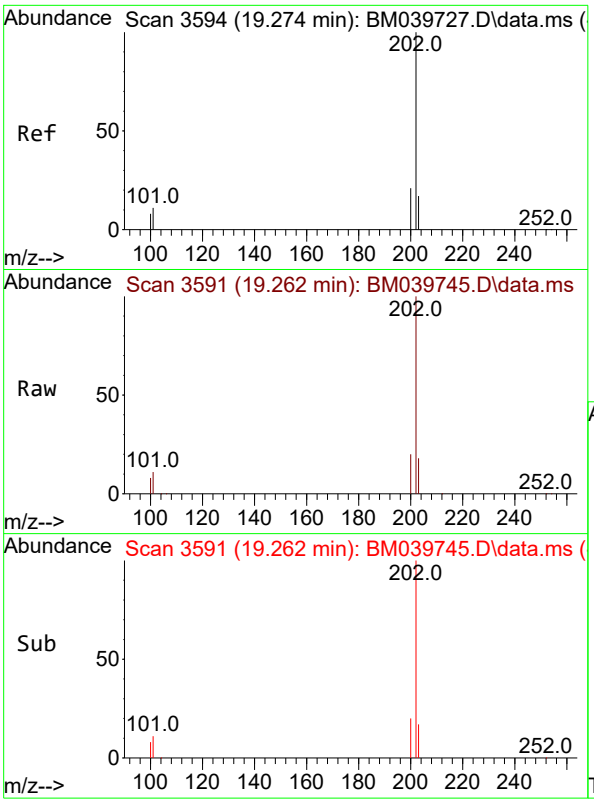




#16
Anthracene
Concen: 0.649 ng/ul
RT: 17.331 min Scan# 3150
Delta R.T. -0.025 min
Lab File: BM039745.D
Acq: 28 Apr 2023 20:30

Tgt Ion:178 Resp: 32774

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.6 | 13.8 | 20.6 |
| 176 | 19.1 | 15.8 | 23.8 |



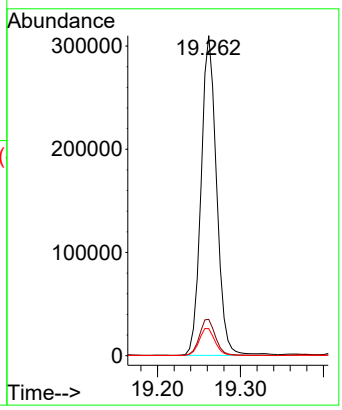


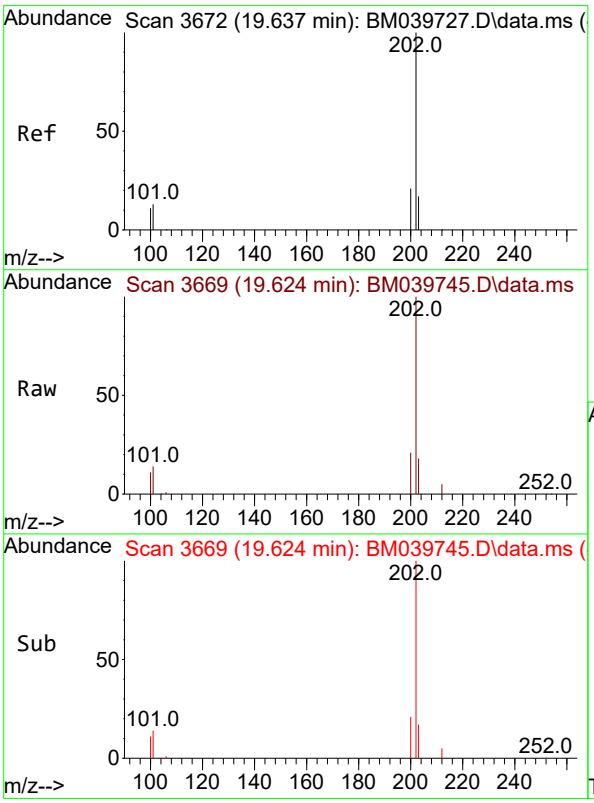

#19
Fluoranthene
Concen: 8.560 ng/ul
RT: 19.262 min Scan# 3
Delta R.T. -0.014 min
Lab File: BM039745.D
Acq: 28 Apr 2023 20:30

**Instrument :**
BNA_M
**ClientSampleId :**
EW8W7

Tgt Ion:202 Resp: 404352

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.3 | 9.8 | 14.8 |
| 100 | 8.4 | 7.3 | 10.9 |

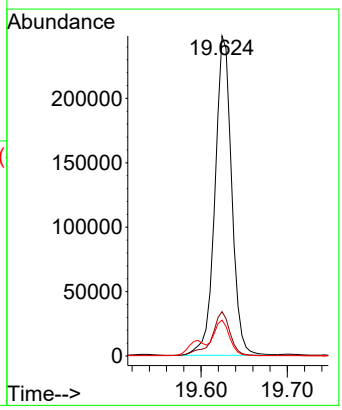


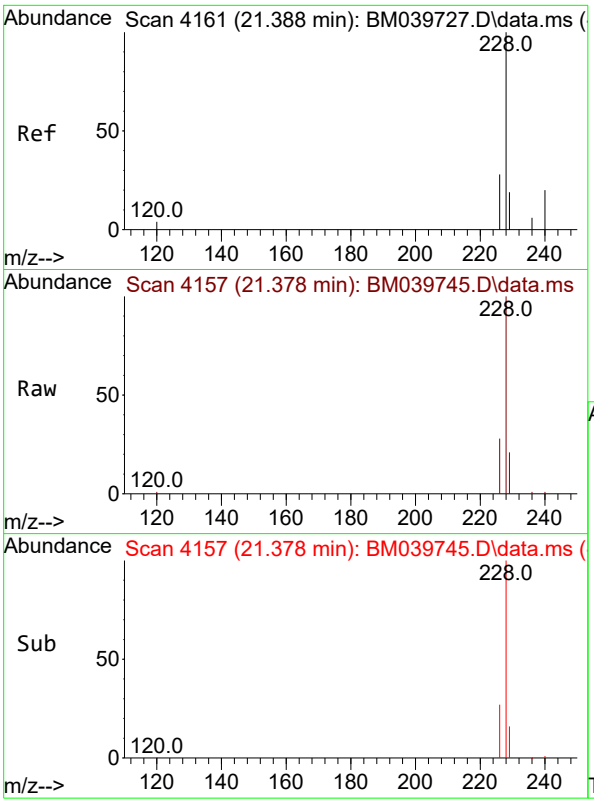




#20
Pyrene
Concen: 6.564 ng/ul
RT: 19.624 min Scan# 3669
Delta R.T. -0.019 min
Lab File: BM039745.D
Acq: 28 Apr 2023 20:30

Tgt Ion:202 Resp: 334848

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.8 | 10.9 | 16.3 |
| 100 | 11.2 | 8.9 | 13.3 |



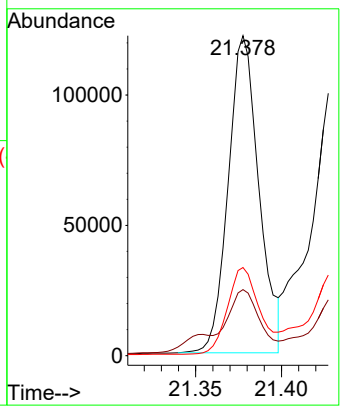


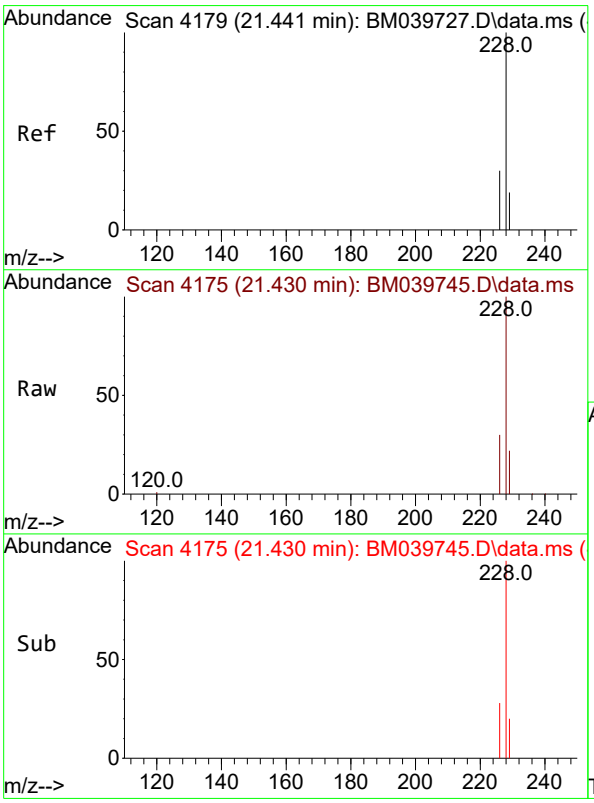

#21
Benzo(a)anthracene
Concen: 3.977 ng/ul
RT: 21.378 min Scan# 4
Delta R.T. -0.019 min
Lab File: BM039745.D
Acq: 28 Apr 2023 20:30

**Instrument :**
BNA_M
**ClientSampleId :**
EW8W7

Tgt Ion:228 Resp: 151420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 20.6 | 16.2 | 24.2 |
| 226 | 27.6 | 21.6 | 32.4 |

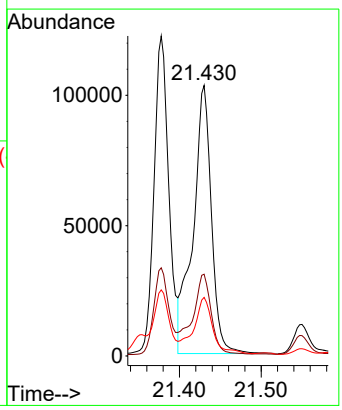


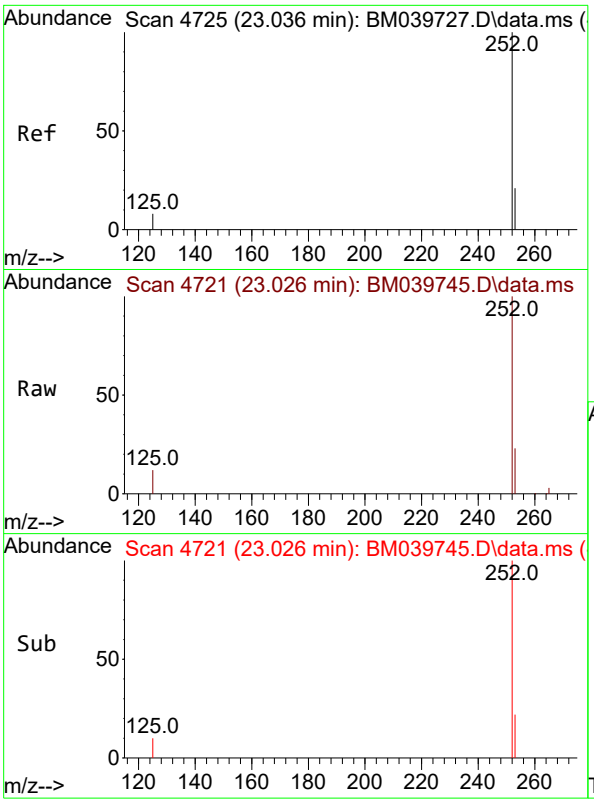




#22
Chrysene
Concen: 3.743 ng/ul
RT: 21.430 min Scan# 4175
Delta R.T. -0.016 min
Lab File: BM039745.D
Acq: 28 Apr 2023 20:30

Tgt Ion:228 Resp: 161269

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.2 | 24.3 | 36.5 |
| 229 | 21.6 | 15.9 | 23.9 |



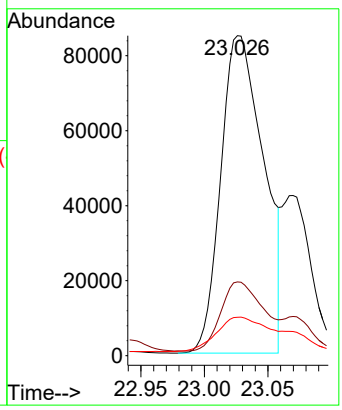


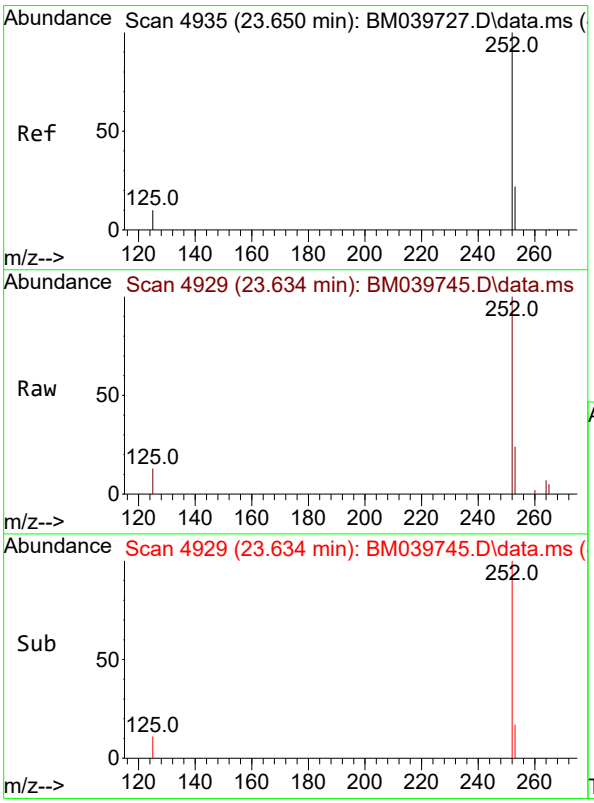

#24
Benzo(b)fluoranthene
Concen: 5.563 ng/ul
RT: 23.026 min Scan# 4
Delta R.T. -0.019 min
Lab File: BM039745.D
Acq: 28 Apr 2023 20:30

**Instrument :**
BNA_M
**ClientSampleId :**
EW8W7

Tgt Ion:252 Resp: 198552

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.0 | 0.0 | 52.8 |
| 125 | 12.0 | 0.0 | 31.6 |

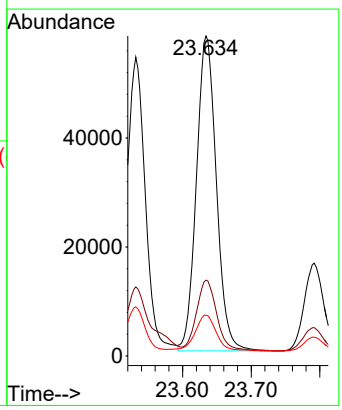


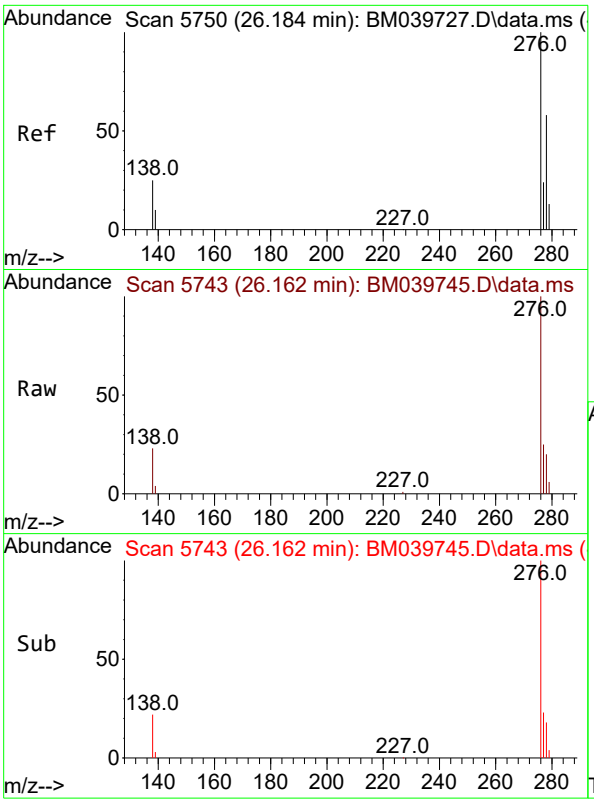




#26
Benzo(a)pyrene
Concen: 3.653 ng/ul
RT: 23.634 min Scan# 4929
Delta R.T. -0.031 min
Lab File: BM039745.D
Acq: 28 Apr 2023 20:30

Tgt Ion:252 Resp: 117050

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.7 | 24.7 | 37.1# |
| 125 | 12.7 | 16.5 | 24.7# |



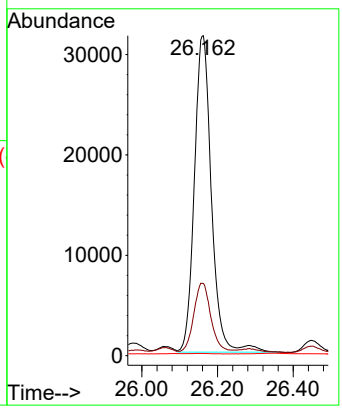


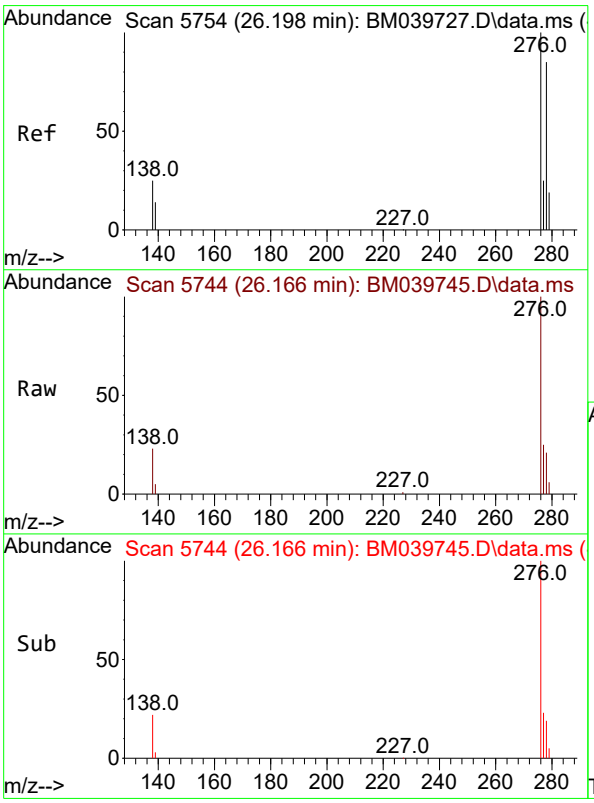

#27
Indeno(1,2,3-cd)pyrene
Concen: 2.435 ng/ul
RT: 26.162 min Scan# 5
Delta R.T. -0.039 min
Lab File: BM039745.D
Acq: 28 Apr 2023 20:30

**Instrument :**
BNA_M
**ClientSampleId :**
EW8W7

Tgt Ion:276 Resp: 98649

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 21.3 | 21.1 | 31.7 |
| 227 | 0.2 | 0.1 | 0.1# |

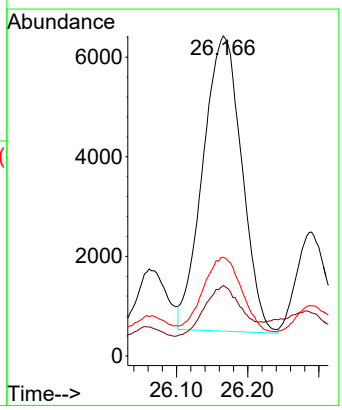


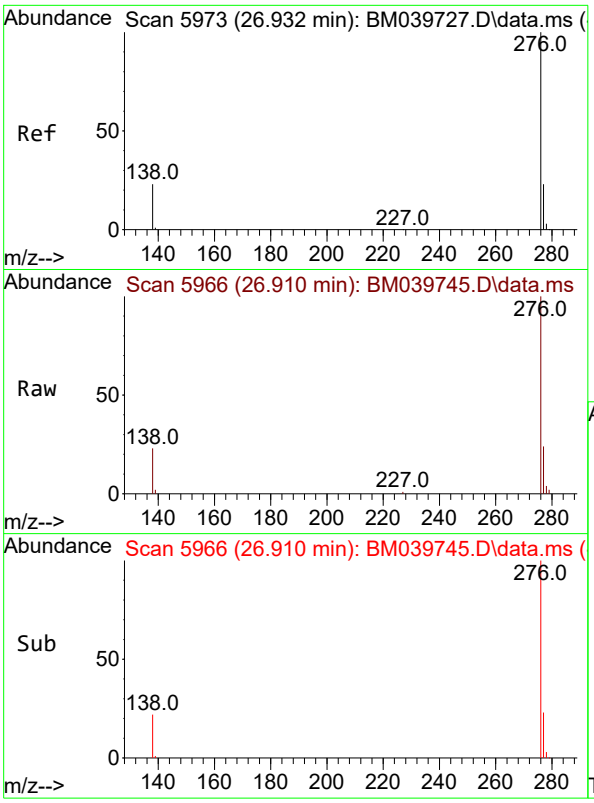




#28
Dibenzo(a,h)anthracene
Concen: 0.714 ng/ul
RT: 26.166 min Scan# 5744
Delta R.T. -0.052 min
Lab File: BM039745.D
Acq: 28 Apr 2023 20:30

Tgt Ion:278 Resp: 22457

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 22.0 | 17.0 | 25.6 |
| 279 | 30.8 | 23.4 | 35.2 |






#29
Benzo(g,h,i)perylene
Concen: 2.414 ng/ul
RT: 26.910 min Scan# 5
Delta R.T. -0.039 min
Lab File: BM039745.D
Acq: 28 Apr 2023 20:30

**Instrument :**
BNA_M
**ClientSampleId :**
EW8W7

Tgt Ion:276 Resp: 85240

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 23.3 | 20.1 | 30.1 |
| 277 | 24.3 | 20.1 | 30.1 |