Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071323\
Data File : BM040860.D
Acq On : 13 Jul 2023 21:47
Operator : MA/JU
Sample : 03418-23MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
A46K6MSD

Quant Time: Jul 14 03:17:55 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM062223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 14 03:14:53 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.866 | 152 | 4702 | 0.400 | ng/ul | 0.00 |
| 4) Naphthalene-d8 | 10.669 | 136 | 16004 | 0.400 | ng/ul | 0.00 |
| 9) Acenaphthene-d10 | 14.509 | 164 | 7217 | 0.400 | ng/ul | 0.00 |
| 13) Phenanthrene-d10 | 17.261 | 188 | 14895 | 0.400 | ng/ul | # 0.00 |
| 17) Chrysene-d12 | 21.454 | 240 | 10183 | 0.400 | ng/ul | 0.00 |
| 23) Perylene-d12 | 23.833 | 264 | 11107 | 0.400 | ng/ul | #-0.01 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.280 | 96 | 3142 | 0.425 | ng/ul | 0.00 |
| 6) 2-Methylnaphthalene-d10 | 12.258 | 152 | 6198 | 0.276 | ng/ul | 0.00 |
| 18) Fluoranthene-d10 | 19.292 | 212 | 9932 | 0.304 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.313 | 88 | 8229 | 1.095 | ng/ul | 89 |
| 5) Naphthalene | 10.719 | 128 | 14744 | 0.334 | ng/ul | 99 |
| 7) 2-Methylnaphthalene | 12.335 | 142 | 7446 | 0.287 | ng/ul | 100 |
| 8) 1-Methylnaphthalene | 12.550 | 142 | 7766 | 0.300 | ng/ul | 98 |
| 10) Acenaphthylene | 14.231 | 152 | 10204 | 0.317 | ng/ul | 97 |
| 11) Acenaphthene | 14.574 | 153 | 8298 | 0.305 | ng/ul | 98 |
| 12) Fluorene | 15.564 | 166 | 8765 | 0.302 | ng/ul | 99 |
| 14) Pentachlorophenol | 16.915 | 266 | 1519 | 0.530 | ng/ul | 91 |
| 15) Phenanthrene | 17.303 | 178 | 32591 | 0.704 | ng/ul | 99 |
| 16) Anthracene | 17.396 | 178 | 12999 | 0.334 | ng/ul | 98 |
| 19) Fluoranthene | 19.324 | 202 | 65833 | 1.522 | ng/ul | 95 |
| 20) Pyrene | 19.687 | 202 | 60874 | 1.313 | ng/ul | 98 |
| 21) Benzo(a)anthracene | 21.437 | 228 | 32511 | 0.944 | ng/ul | 97 |
| 22) Chrysene | 21.489 | 228 | 37411 | 0.952 | ng/ul | 97 |
| 24) Benzo(b)fluoranthene | 23.108 | 252 | 47323 | 1.101 | ng/ul | 97 |
| 25) Benzo(k)fluoranthene | 23.152 | 252 | 22527 | 0.532 | ng/ul | 98 |
| 26) Benzo(a)pyrene | 23.725 | 252 | 32345 | 0.835 | ng/ul | 94 |
| 27) Indeno(1,2,3-cd)pyrene | 26.290 | 276 | 31814 | 0.590 | ng/ul# | 90 |
| 28) Dibenzo(a,h)anthracene | 26.307 | 278 | 14951 | 0.354 | ng/ul | 97 |
| 29) Benzo(g,h,i)perylene | 27.048 | 276 | 30950 | 0.655 | ng/ul | 97 |

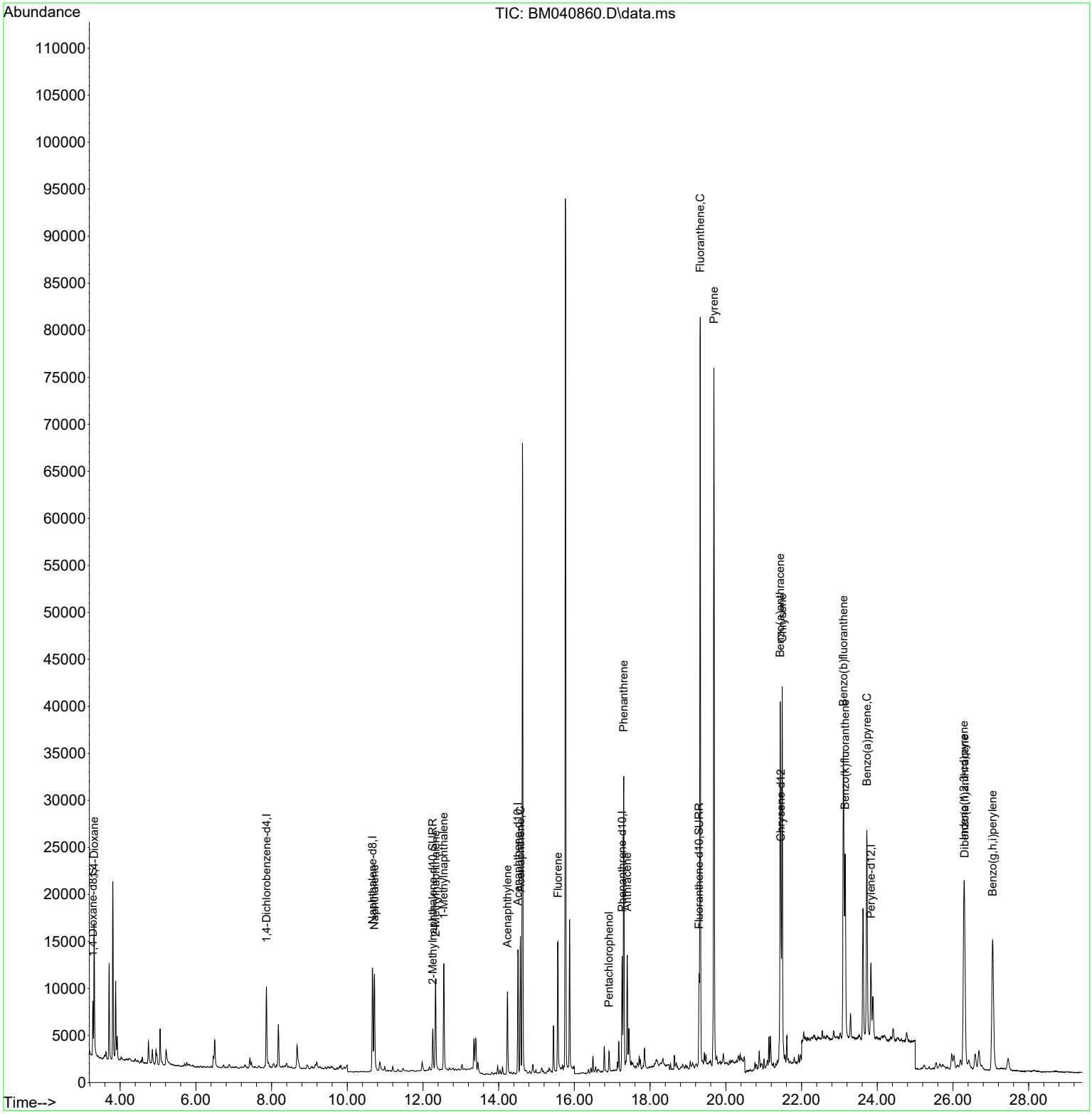
(#) = qualifier out of range (m) = manual integration (+) = signals summed

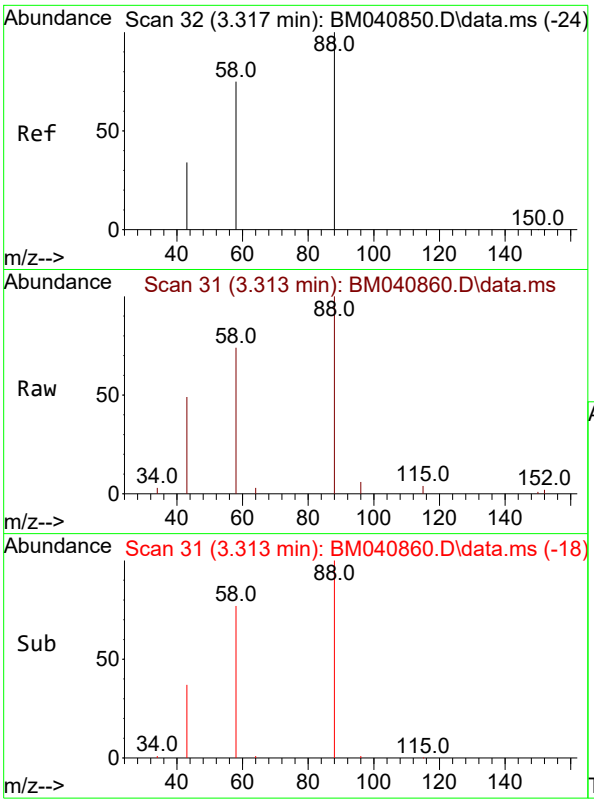
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071323\
Data File : BM040860.D
Acq On : 13 Jul 2023 21:47
Operator : MA/JU
Sample : 03418-23MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
A46K6MSD

Quant Time: Jul 14 03:17:55 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM062223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 14 03:14:53 2023
Response via : Initial Calibration



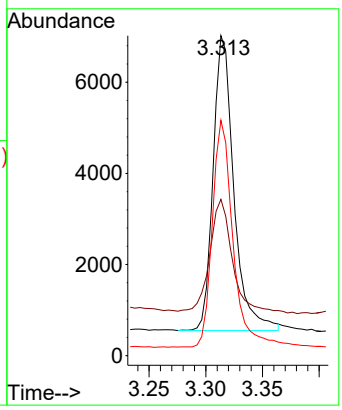


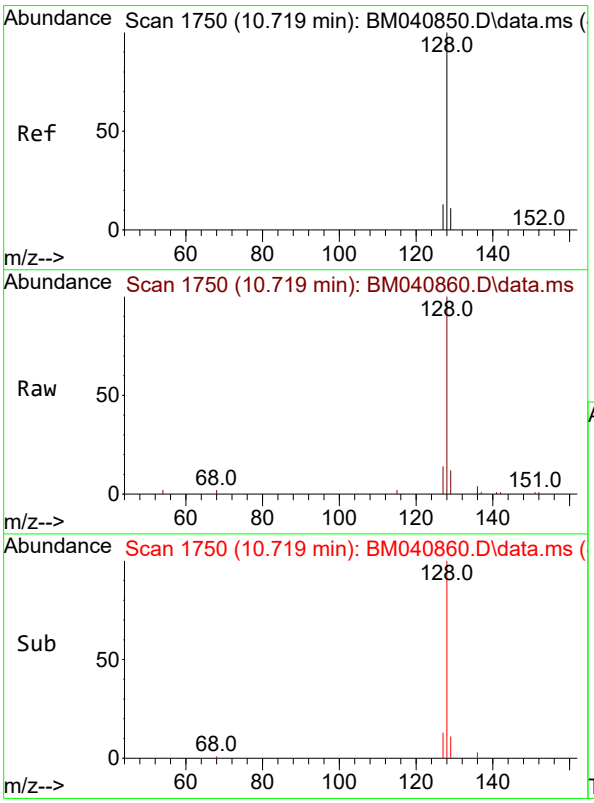

#2
1,4-Dioxane
Concen: 1.095 ng/ul
RT: 3.313 min Scan# 3
Delta R.T. -0.004 min
Lab File: BM040860.D
Acq: 13 Jul 2023 21:47

**Instrument :**
BNA_M
**ClientSampleId :**
A46K6MSD

Tgt Ion: 88 Resp: 8229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 48.8 | 36.1 | 54.1 |
| 58 | 73.5 | 49.8 | 74.8 |

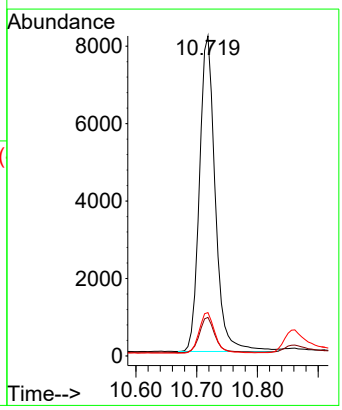


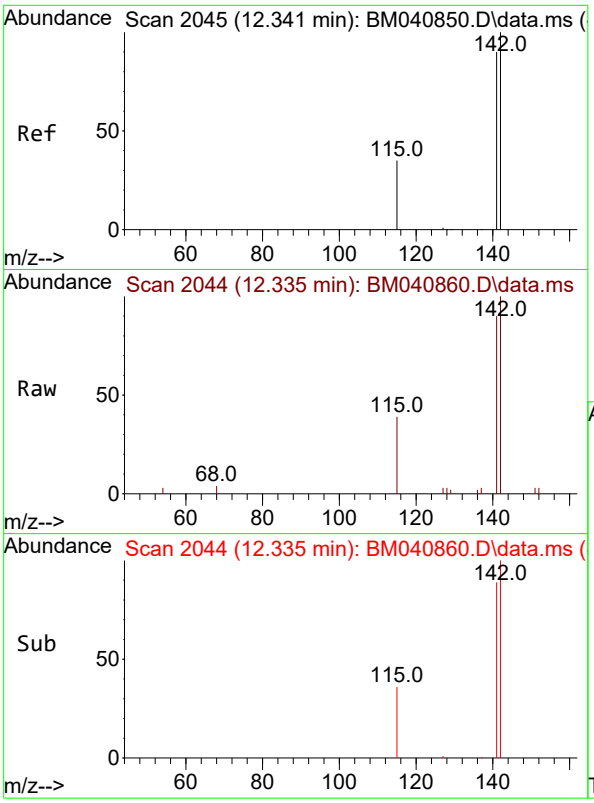




#5
Naphthalene
Concen: 0.334 ng/ul
RT: 10.719 min Scan# 1750
Delta R.T. 0.000 min
Lab File: BM040860.D
Acq: 13 Jul 2023 21:47

Tgt Ion:128 Resp: 14744

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 12.1 | 9.2 | 13.8 |
| 127 | 13.5 | 10.6 | 15.8 |



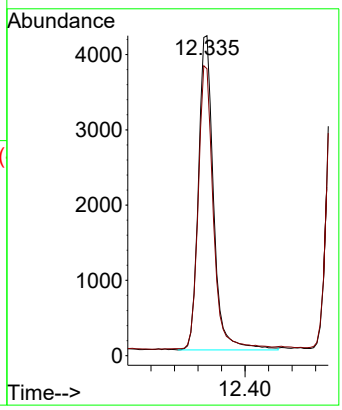


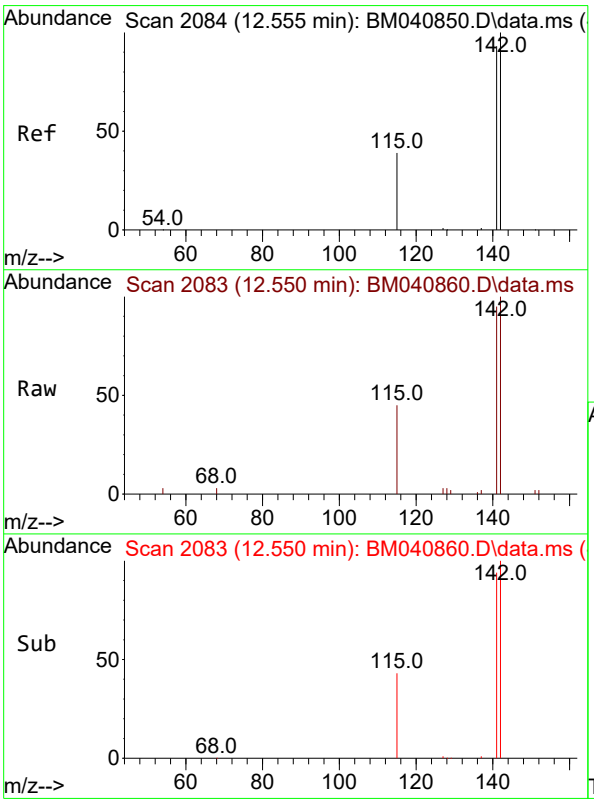

#7
2-Methylnaphthalene
Concen: 0.287 ng/ul
RT: 12.335 min Scan# 2
Delta R.T. -0.005 min
Lab File: BM040860.D
Acq: 13 Jul 2023 21:47

**Instrument :**
BNA_M
**ClientSampleId :**
A46K6MSD

Tgt Ion:142 Resp: 7446

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.3 | 71.9 | 107.9 |

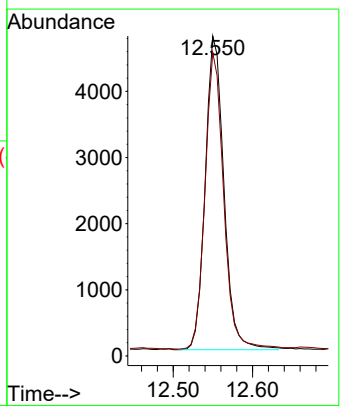


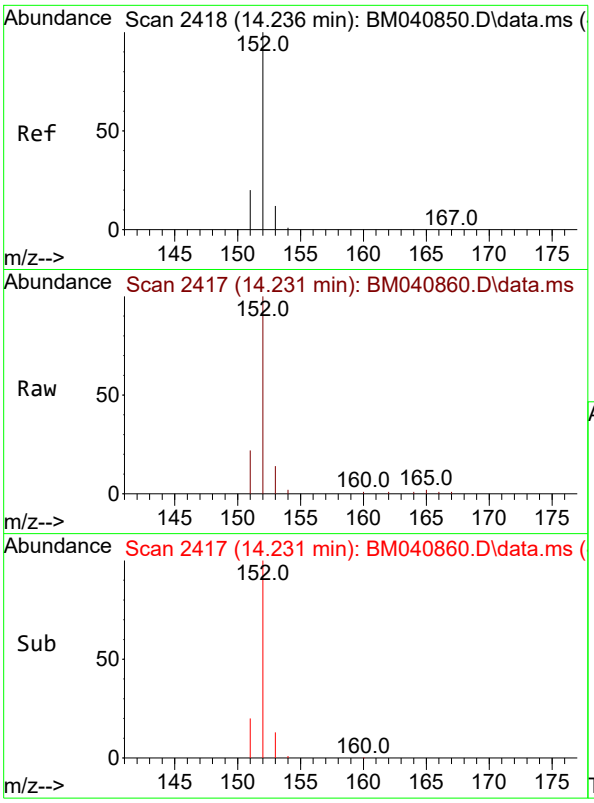




#8
1-Methylnaphthalene
Concen: 0.300 ng/ul
RT: 12.550 min Scan# 2083
Delta R.T. -0.005 min
Lab File: BM040860.D
Acq: 13 Jul 2023 21:47

Tgt Ion:142 Resp: 7766

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 94.2 | 73.7 | 110.5 |



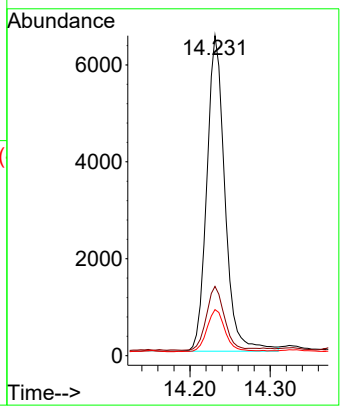


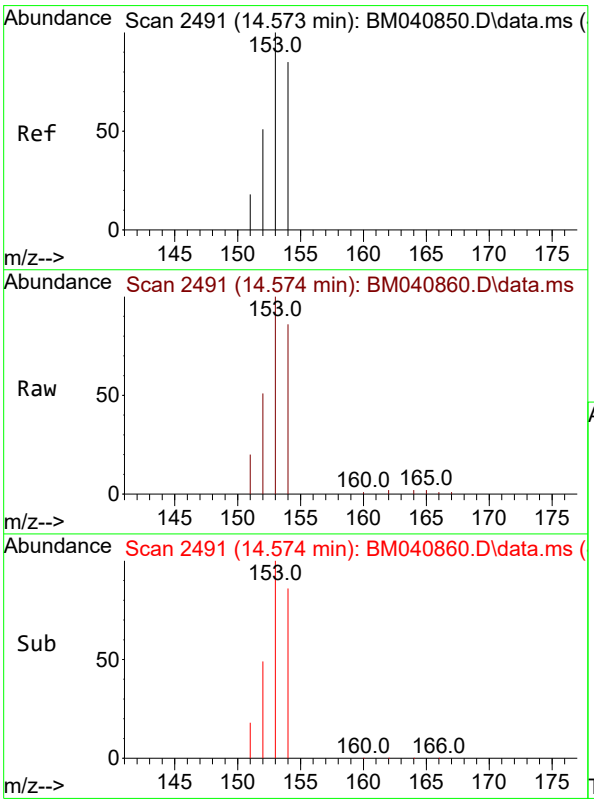

#10
Acenaphthylene
Concen: 0.317 ng/ul
RT: 14.231 min Scan# 24
Delta R.T. -0.005 min
Lab File: BM040860.D
Acq: 13 Jul 2023 21:47

**Instrument :**
BNA_M
**ClientSampleId :**
A46K6MSD

Tgt Ion:152 Resp: 10204

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 21.7 | 16.2 | 24.2 |
| 153 | 14.4 | 10.9 | 16.3 |

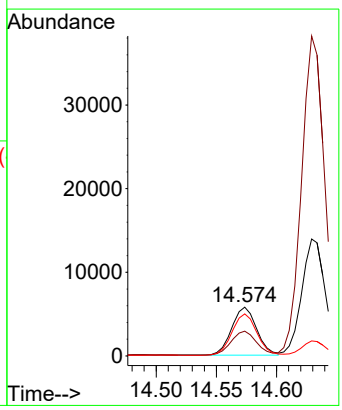


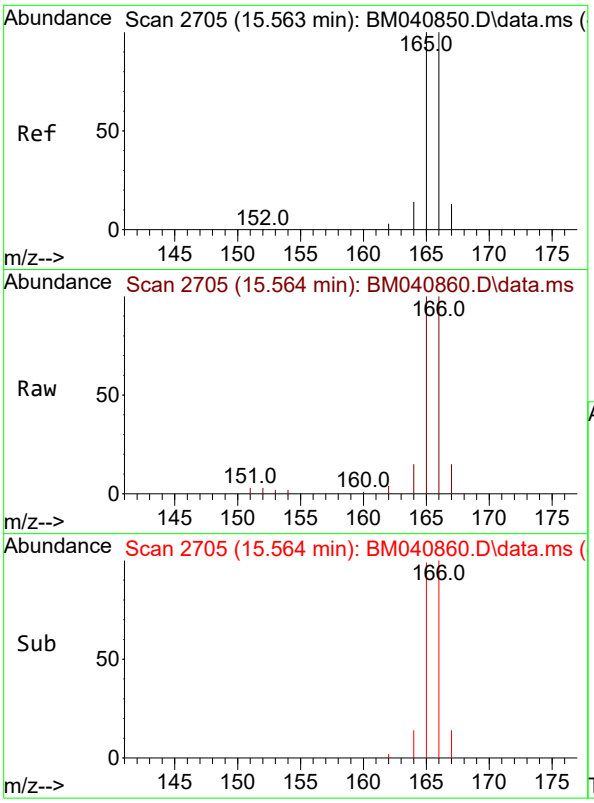




#11
Acenaphthene
Concen: 0.305 ng/ul
RT: 14.574 min Scan# 2491
Delta R.T. 0.000 min
Lab File: BM040860.D
Acq: 13 Jul 2023 21:47

Tgt Ion:153 Resp: 8298

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 50.9 | 41.0 | 61.4 |
| 154 | 86.2 | 70.8 | 106.2 |



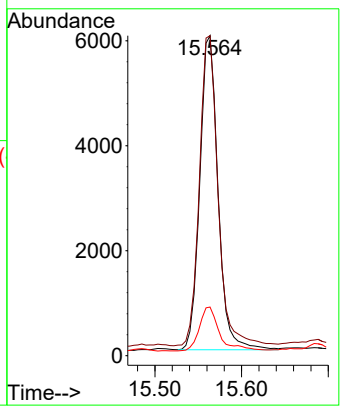


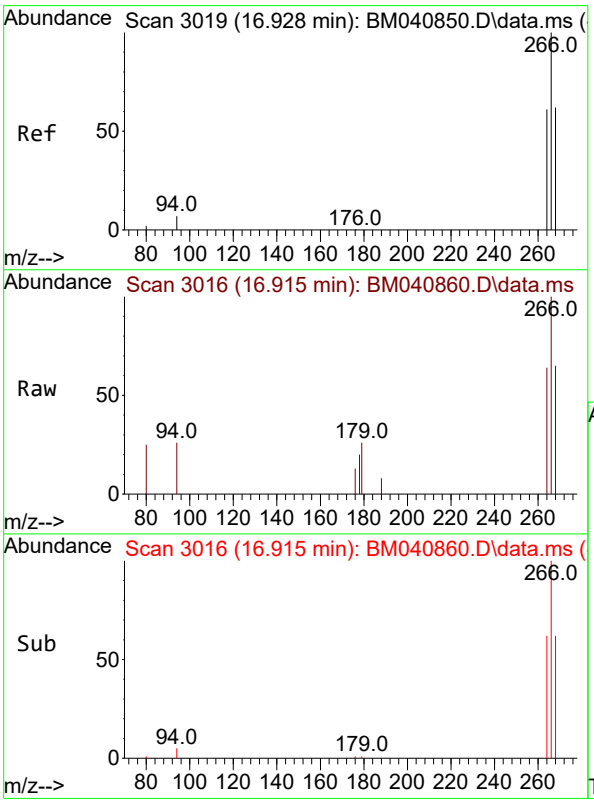

#12
Fluorene
Concen: 0.302 ng/ul
RT: 15.564 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM040860.D
Acq: 13 Jul 2023 21:47

**Instrument :**
BNA_M
**ClientSampleId :**
A46K6MSD

Tgt Ion:166 Resp: 8765

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 100.0 | 79.6 | 119.4 |
| 167 | 15.2 | 11.4 | 17.0 |

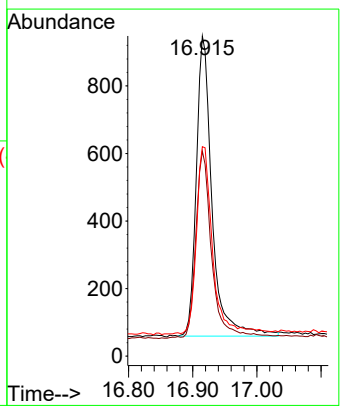


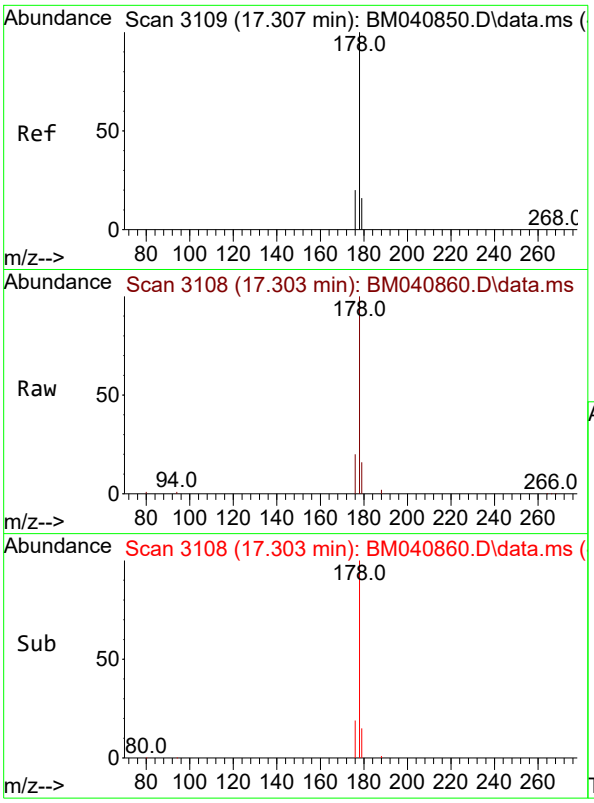




#14
Pentachlorophenol
Concen: 0.530 ng/ul
RT: 16.915 min Scan# 3016
Delta R.T. -0.013 min
Lab File: BM040860.D
Acq: 13 Jul 2023 21:47

Tgt Ion:266 Resp: 1519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 64.6 | 45.4 | 68.0 |
| 268 | 64.3 | 47.2 | 70.8 |



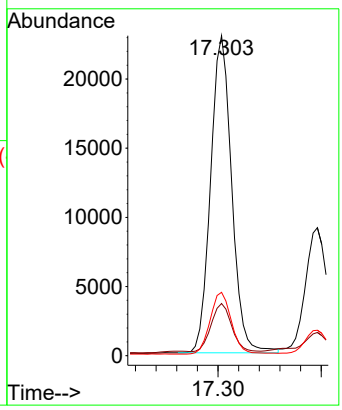


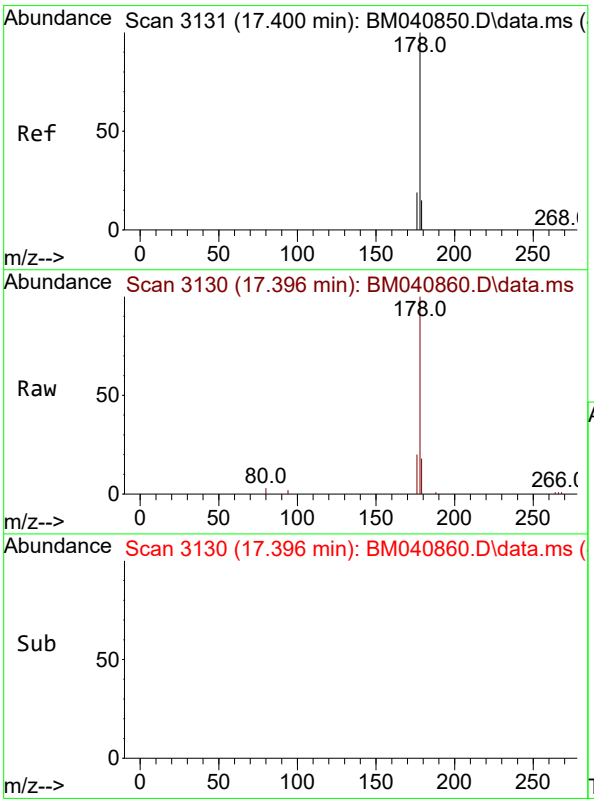

#15
Phenanthrene
Concen: 0.704 ng/ul
RT: 17.303 min Scan# 3
Delta R.T. -0.004 min
Lab File: BM040860.D
Acq: 13 Jul 2023 21:47

**Instrument :**
BNA_M
**ClientSampleId :**
A46K6MSD

Tgt Ion:178 Resp: 32591

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.3 | 12.8 | 19.2 |
| 176 | 19.8 | 16.4 | 24.6 |

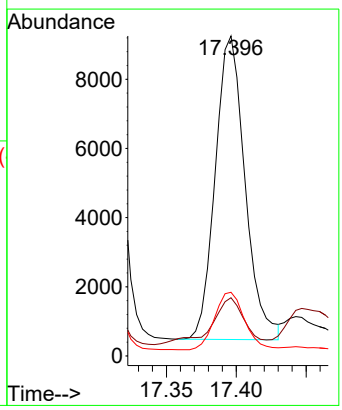


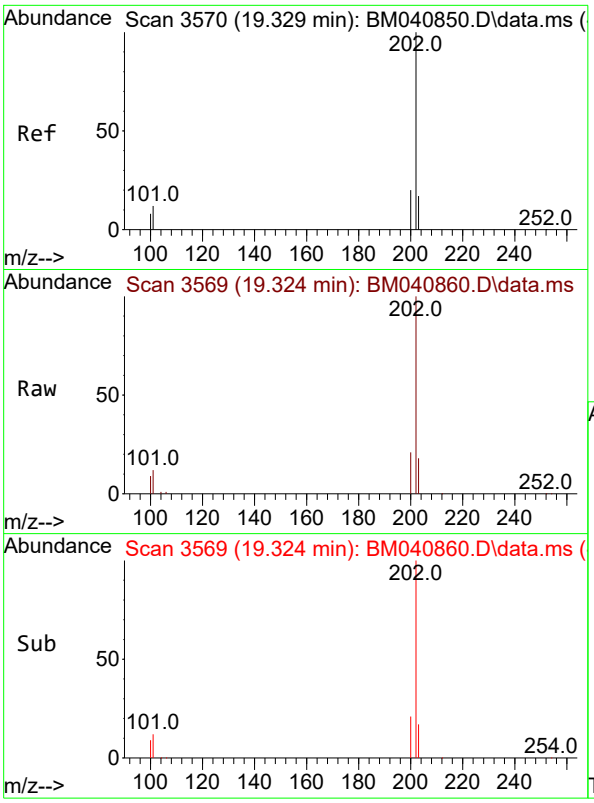




#16
Anthracene
Concen: 0.334 ng/ul
RT: 17.396 min Scan# 3130
Delta R.T. -0.004 min
Lab File: BM040860.D
Acq: 13 Jul 2023 21:47

Tgt Ion:178 Resp: 12999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 18.2 | 12.9 | 19.3 |
| 176 | 19.9 | 15.8 | 23.6 |



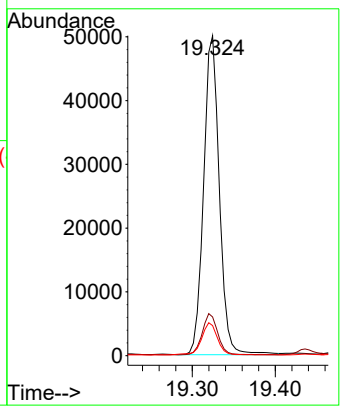


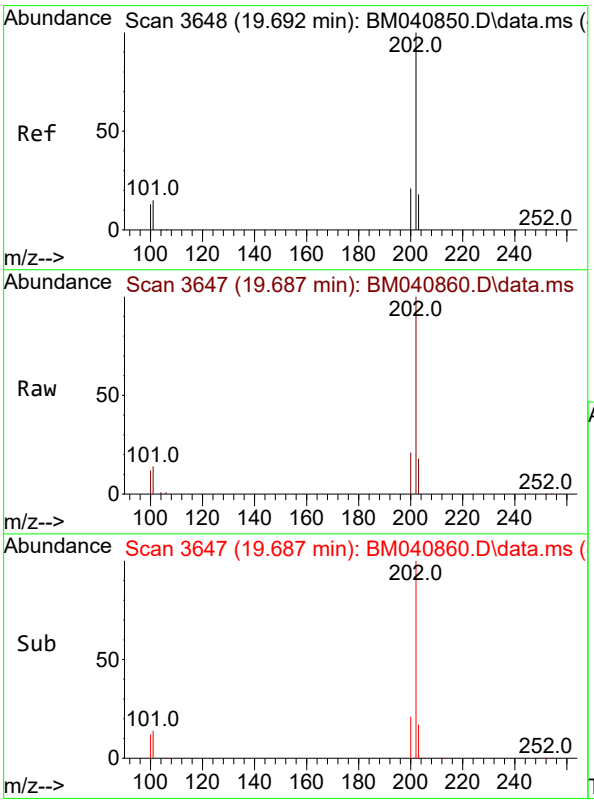

#19
Fluoranthene
Concen: 1.522 ng/ul
RT: 19.324 min Scan# 3
Delta R.T. -0.005 min
Lab File: BM040860.D
Acq: 13 Jul 2023 21:47

**Instrument :**
BNA_M
**ClientSampleId :**
A46K6MSD

Tgt Ion:202 Resp: 65833

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.1 | 11.4 | 17.0 |
| 100 | 9.4 | 8.7 | 13.1 |

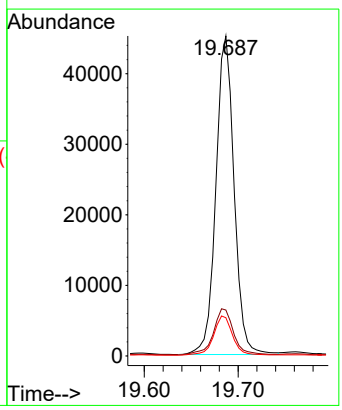


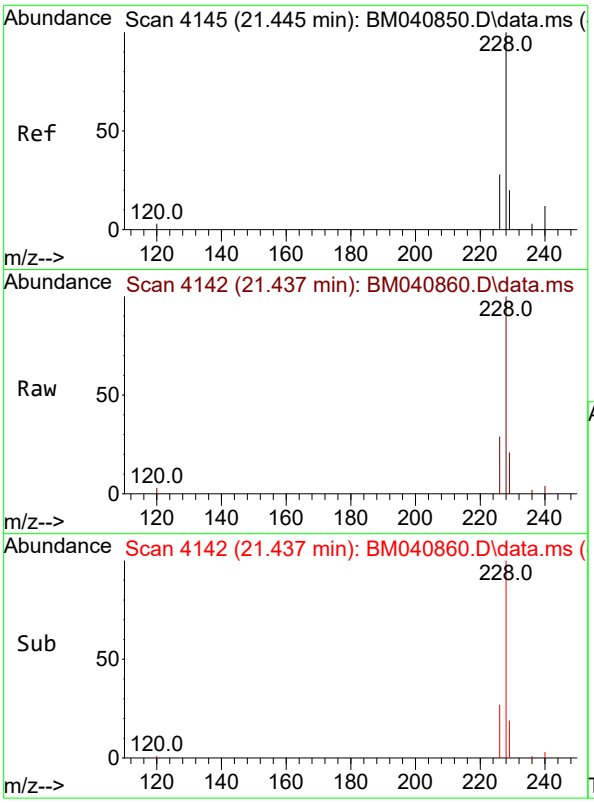




#20
Pyrene
Concen: 1.313 ng/ul
RT: 19.687 min Scan# 3647
Delta R.T. -0.005 min
Lab File: BM040860.D
Acq: 13 Jul 2023 21:47

Tgt Ion:202 Resp: 60874

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 14.4 | 12.6 | 18.8 |
| 100 | 12.0 | 9.8 | 14.6 |



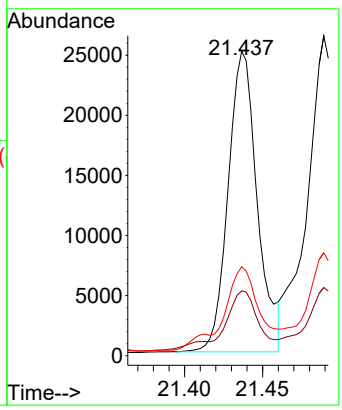


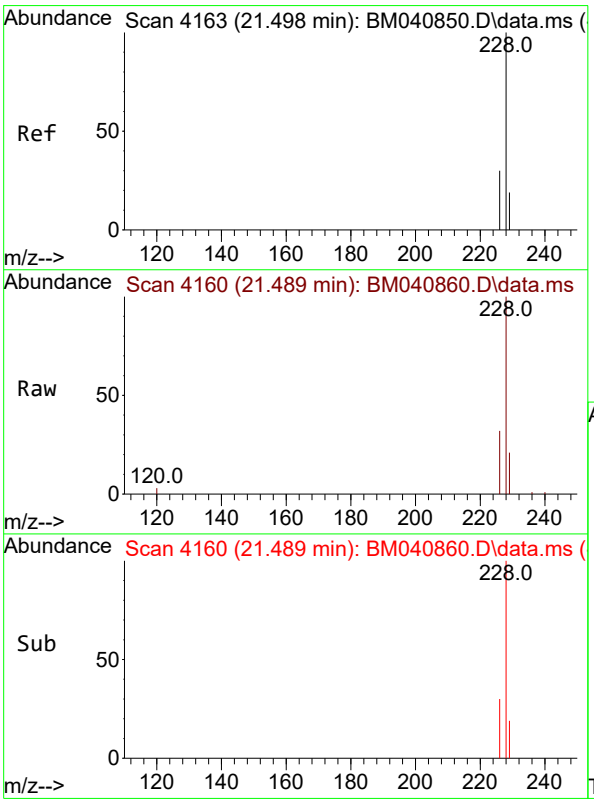

#21
Benzo(a)anthracene
Concen: 0.944 ng/ul
RT: 21.437 min Scan# 4
Delta R.T. -0.009 min
Lab File: BM040860.D
Acq: 13 Jul 2023 21:47

**Instrument :**
BNA_M
**ClientSampleId :**
A46K6MSD

Tgt Ion:228 Resp: 32511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 21.3 | 16.0 | 24.0 |
| 226 | 29.2 | 22.3 | 33.5 |

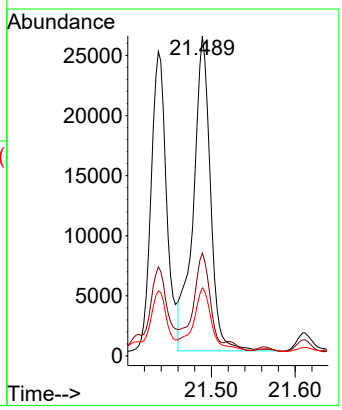


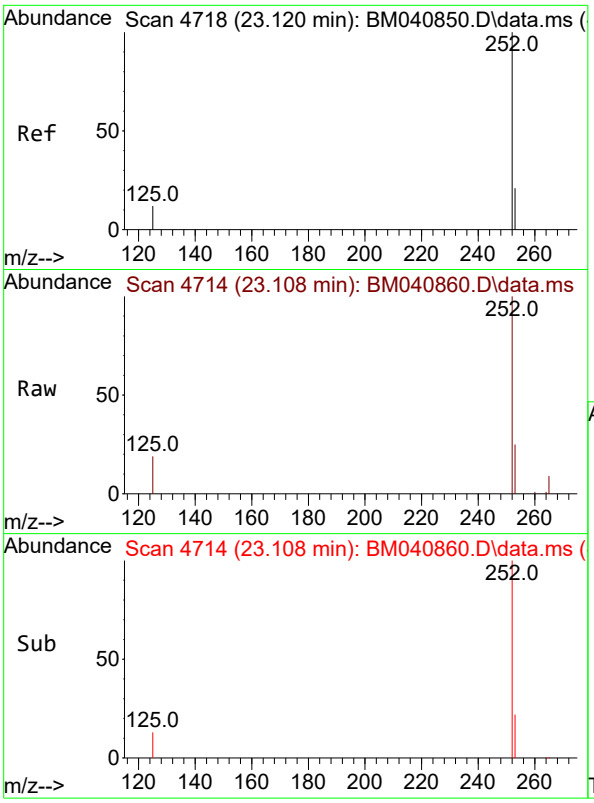




#22
Chrysene
Concen: 0.952 ng/ul
RT: 21.489 min Scan# 4160
Delta R.T. -0.009 min
Lab File: BM040860.D
Acq: 13 Jul 2023 21:47

Tgt Ion:228 Resp: 37411

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 32.2 | 24.9 | 37.3 |
| 229 | 21.3 | 15.8 | 23.6 |



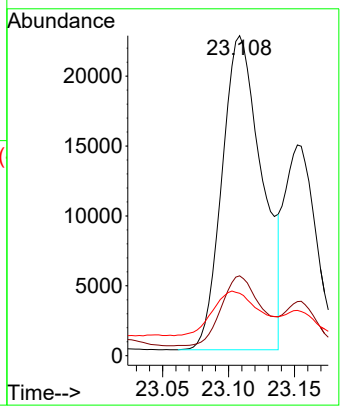


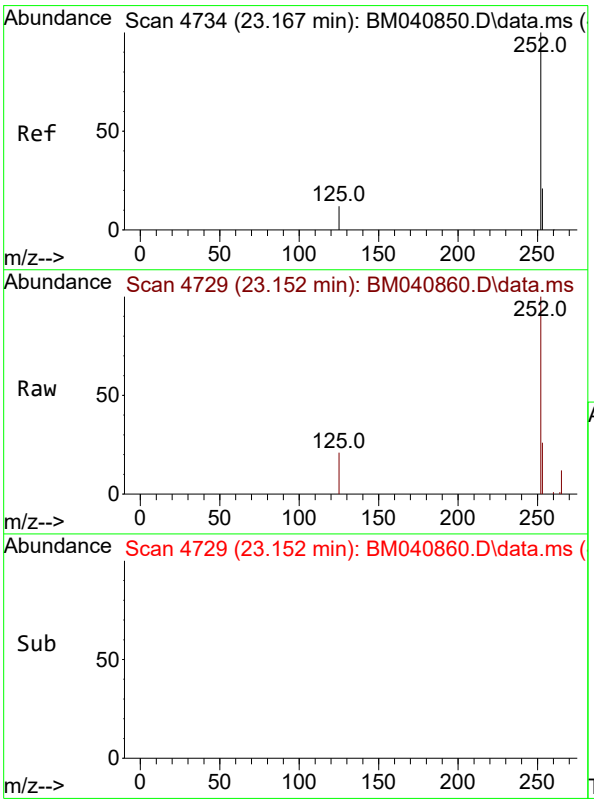

#24
Benzo(b)fluoranthene
Concen: 1.101 ng/ul
RT: 23.108 min Scan# 4
Delta R.T. -0.012 min
Lab File: BM040860.D
Acq: 13 Jul 2023 21:47

**Instrument :**
BNA_M
**ClientSampleId :**
A46K6MSD

Tgt Ion:252 Resp: 47323

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.9 | 0.0 | 52.8 |
| 125 | 19.5 | 0.0 | 43.0 |

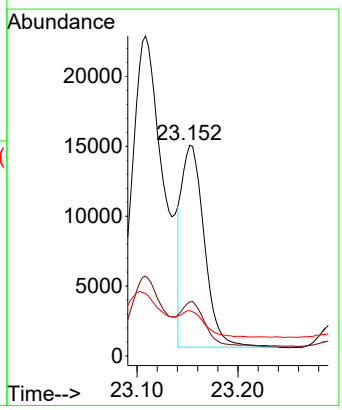


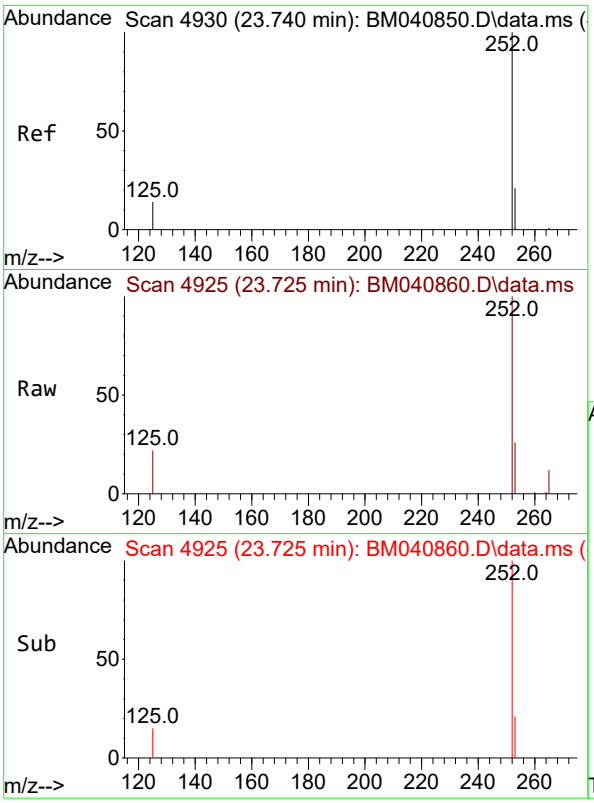




#25
Benzo(k)fluoranthene
Concen: 0.532 ng/ul
RT: 23.152 min Scan# 4729
Delta R.T. -0.015 min
Lab File: BM040860.D
Acq: 13 Jul 2023 21:47

Tgt Ion:252 Resp: 22527

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.7 | 21.2 | 31.8 |
| 125 | 21.5 | 16.4 | 24.6 |



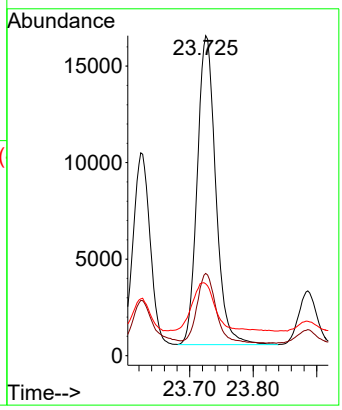


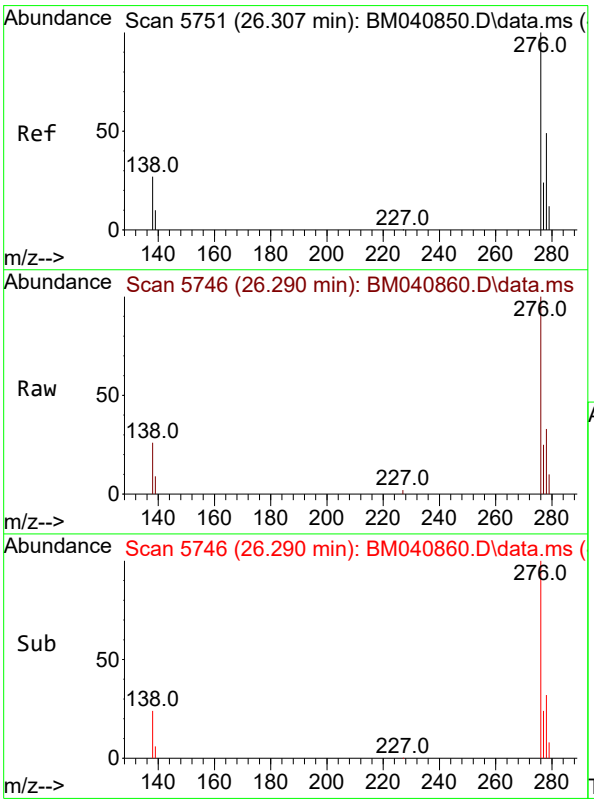

#26
Benzo(a)pyrene
Concen: 0.835 ng/ul
RT: 23.725 min Scan# 4
Delta R.T. -0.015 min
Lab File: BM040860.D
Acq: 13 Jul 2023 21:47

**Instrument :**
BNA_M
**ClientSampleId :**
A46K6MSD

Tgt Ion:252 Resp: 32345

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.7 | 22.9 | 34.3 |
| 125 | 22.5 | 21.0 | 31.4 |

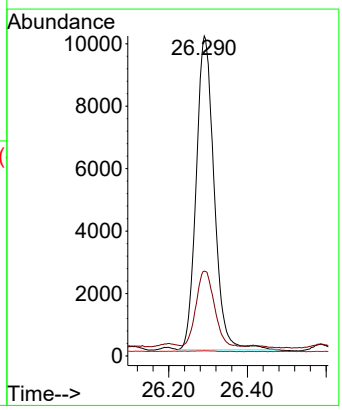


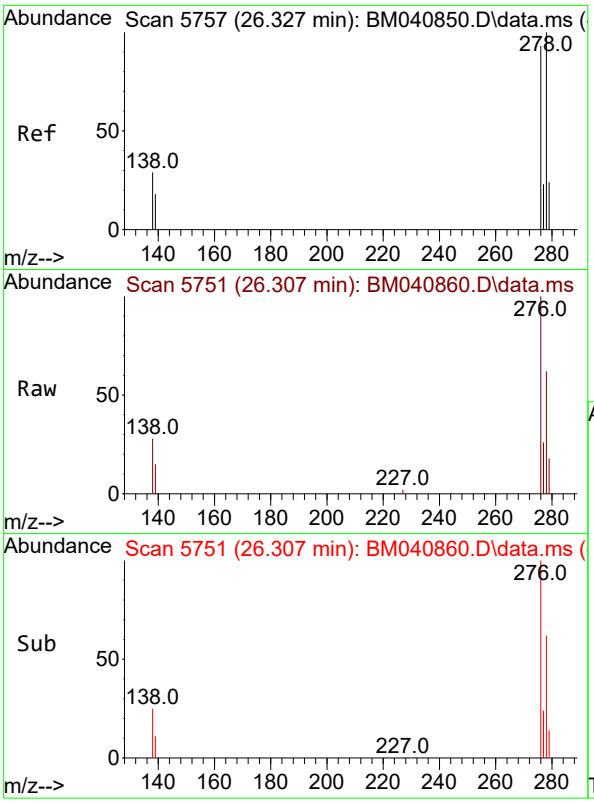




#27
Indeno(1,2,3-cd)pyrene
Concen: 0.590 ng/ul
RT: 26.290 min Scan# 5746
Delta R.T. -0.017 min
Lab File: BM040860.D
Acq: 13 Jul 2023 21:47

Tgt Ion:276 Resp: 31814

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 25.2 | 24.5 | 36.7 |
| 227 | 0.0 | 0.1 | 0.1# |



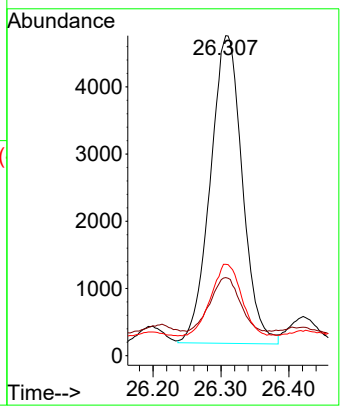


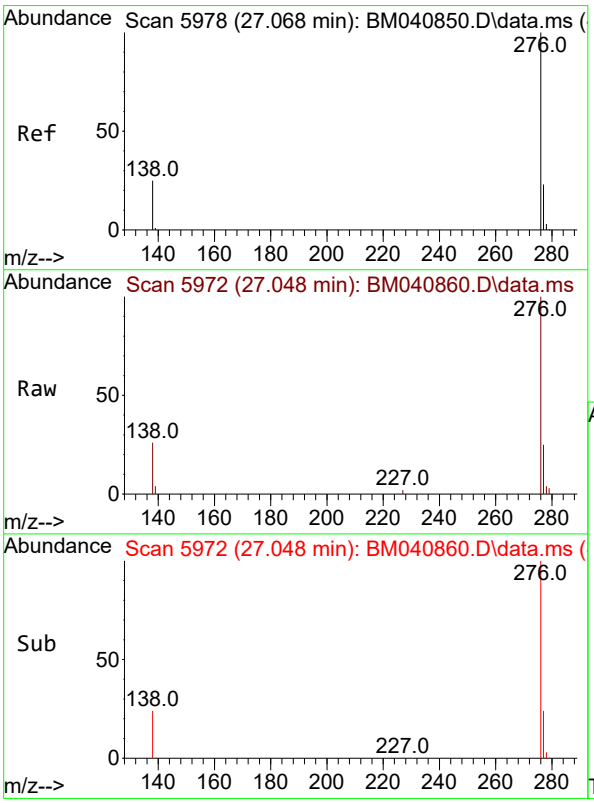

#28
Dibenzo(a,h)anthracene
Concen: 0.354 ng/ul
RT: 26.307 min Scan# 5
Delta R.T. -0.020 min
Lab File: BM040860.D
Acq: 13 Jul 2023 21:47

**Instrument :**
BNA_M
**ClientSampleId :**
A46K6MSD

Tgt Ion:278 Resp: 14951

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 24.4 | 17.9 | 26.9 |
| 279 | 28.5 | 22.0 | 33.0 |




#29
Benzo(g,h,i)perylene
Concen: 0.655 ng/ul
RT: 27.048 min Scan# 5972
Delta R.T. -0.020 min
Lab File: BM040860.D
Acq: 13 Jul 2023 21:47

Tgt Ion:276 Resp: 30950

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 26.3 | 23.0 | 34.6 |
| 277 | 25.0 | 20.3 | 30.5 |