Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061523\
Data File : BM040262.D
Acq On : 15 Jun 2023 16:48
Operator : MA/JU
Sample : PB153389BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SLCS389

Quant Time: Jun 15 23:43:01 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 15 00:31:16 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.974 | 152 | 8944 | 0.400 | ng/ul | | 0.00 |
| 4) Naphthalene-d8 | 10.783 | 136 | 32908 | 0.400 | ng/ul | | 0.00 |
| 9) Acenaphthene-d10 | 14.609 | 164 | 16142 | 0.400 | ng/ul | | 0.00 |
| 13) Phenanthrene-d10 | 17.353 | 188 | 28020 | 0.400 | ng/ul | | 0.00 |
| 17) Chrysene-d12 | 21.529 | 240 | 16995 | 0.400 | ng/ul | # | 0.00 |
| 23) Perylene-d12 | 23.958 | 264 | 18999 | 0.400 | ng/ul | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.350 | 96 | 9675 | 0.876 | ng/ul | | 0.00 |
| 6) 2-Methylnaphthalene-d10 | 12.367 | 152 | 19294 | 0.462 | ng/ul | | 0.00 |
| 18) Fluoranthene-d10 | 19.375 | 212 | 24077 | 0.568 | ng/ul | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.384 | 88 | 23306 | 2.009 | ng/ul | # | 76 |
| 5) Naphthalene | 10.833 | 128 | 32905 | 0.422 | ng/ul | | 100 |
| 7) 2-Methylnaphthalene | 12.444 | 142 | 20173 | 0.416 | ng/ul | | 100 |
| 8) 1-Methylnaphthalene | 12.659 | 142 | 20386 | 0.402 | ng/ul | | 99 |
| 10) Acenaphthylene | 14.332 | 152 | 25601 | 0.453 | ng/ul | | 99 |
| 11) Acenaphthene | 14.670 | 153 | 20967 | 0.433 | ng/ul | | 98 |
| 12) Fluorene | 15.655 | 166 | 21486 | 0.398 | ng/ul | | 99 |
| 14) Pentachlorophenol | 17.003 | 266 | 4874 | 0.852 | ng/ul | | 99 |
| 15) Phenanthrene | 17.395 | 178 | 30263 | 0.411 | ng/ul | | 99 |
| 16) Anthracene | 17.484 | 178 | 27477 | 0.440 | ng/ul | | 99 |
| 19) Fluoranthene | 19.407 | 202 | 28657 | 0.495 | ng/ul | | 100 |
| 20) Pyrene | 19.770 | 202 | 33054 | 0.550 | ng/ul | | 99 |
| 21) Benzo(a)anthracene | 21.515 | 228 | 24225 | 0.483 | ng/ul | | 99 |
| 22) Chrysene | 21.567 | 228 | 24408 | 0.461 | ng/ul | | 99 |
| 24) Benzo(b)fluoranthene | 23.216 | 252 | 26898 | 0.384 | ng/ul | | 90 |
| 25) Benzo(k)fluoranthene | 23.265 | 252 | 26762 | 0.406 | ng/ul | # | 90 |
| 26) Benzo(a)pyrene | 23.847 | 252 | 23641 | 0.411 | ng/ul | # | 82 |
| 27) Indeno(1,2,3-cd)pyrene | 26.474 | 276 | 32515 | 0.447 | ng/ul | | 97 |
| 28) Dibenzo(a,h)anthracene | 26.494 | 278 | 25970 | 0.445 | ng/ul | | 95 |
| 29) Benzo(g,h,i)perylene | 27.249 | 276 | 27679 | 0.456 | ng/ul | | 95 |

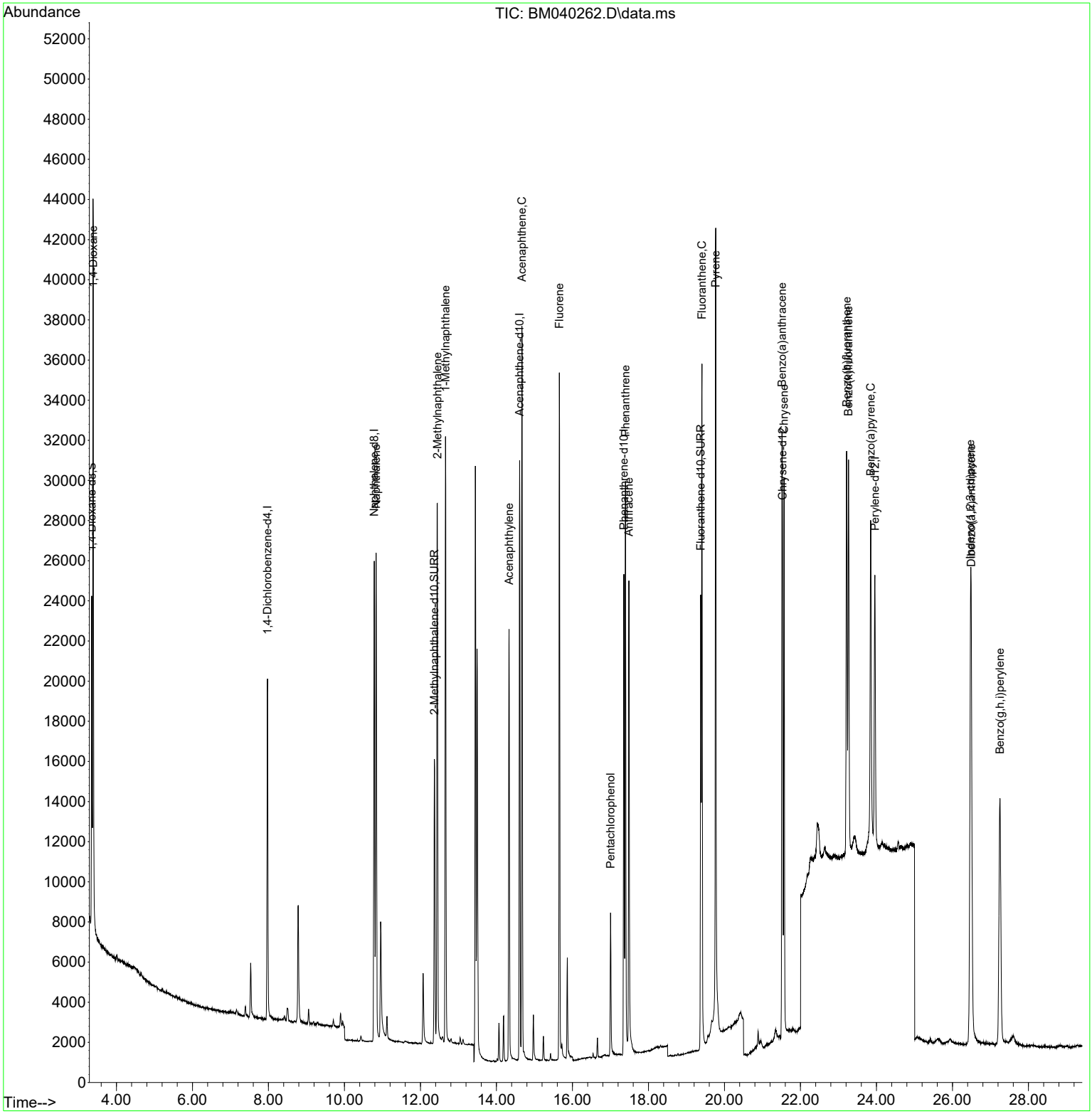
(#) = qualifier out of range (m) = manual integration (+) = signals summed

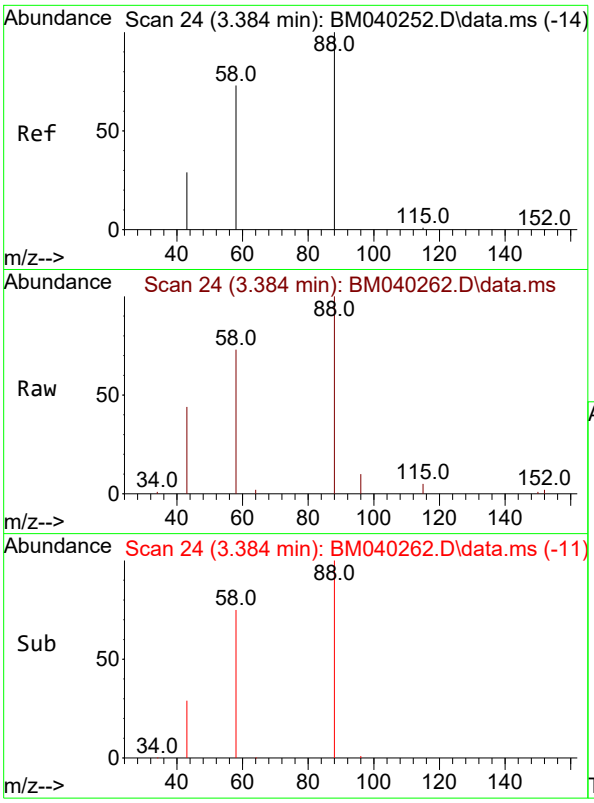
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061523\
Data File : BM040262.D
Acq On : 15 Jun 2023 16:48
Operator : MA/JU
Sample : PB153389BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SLCS389

Quant Time: Jun 15 23:43:01 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 15 00:31:16 2023
Response via : Initial Calibration



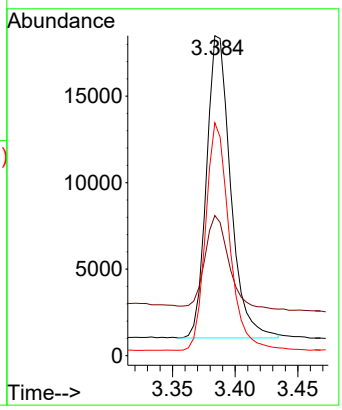


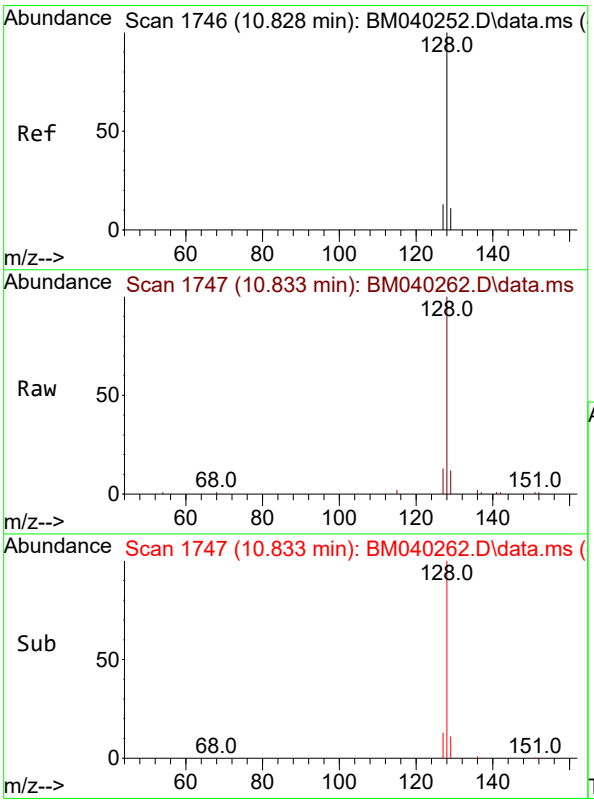

#2
1,4-Dioxane
Concen: 2.009 ng/ul
RT: 3.384 min Scan# 24
Delta R.T. -0.004 min
Lab File: BM040262.D
Acq: 15 Jun 2023 16:48

**Instrument :**
BNA_M
**ClientSampleId :**
SLCS389

Tgt Ion: 88 Resp: 23306

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 43.8 | 30.3 | 45.5 |
| 58 | 72.8 | 38.8 | 58.2# |

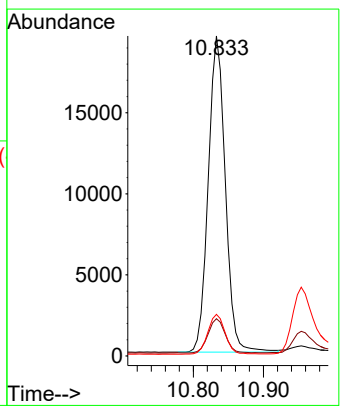


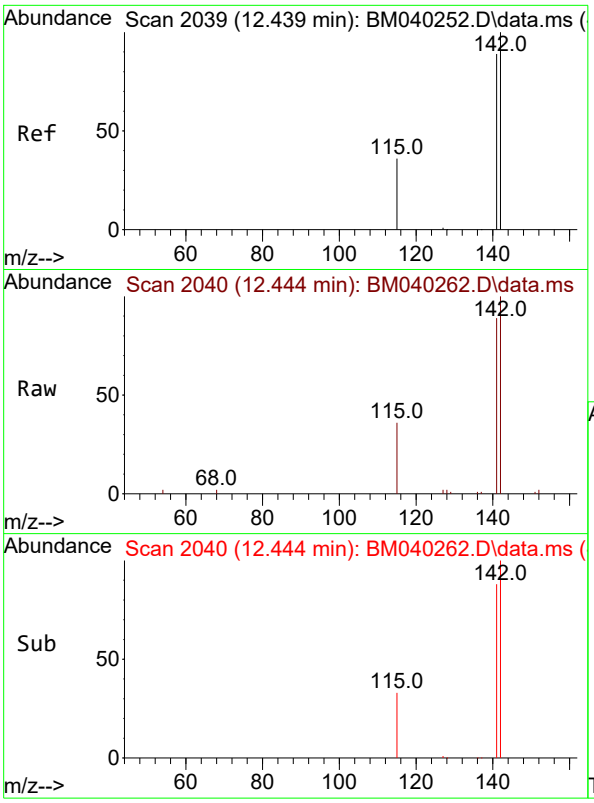




#5
Naphthalene
Concen: 0.422 ng/ul
RT: 10.833 min Scan# 1747
Delta R.T. -0.000 min
Lab File: BM040262.D
Acq: 15 Jun 2023 16:48

Tgt Ion:128 Resp: 32905

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.7 | 9.1 | 13.7 |
| 127 | 13.0 | 10.4 | 15.6 |



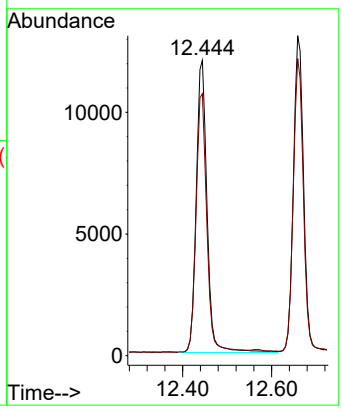


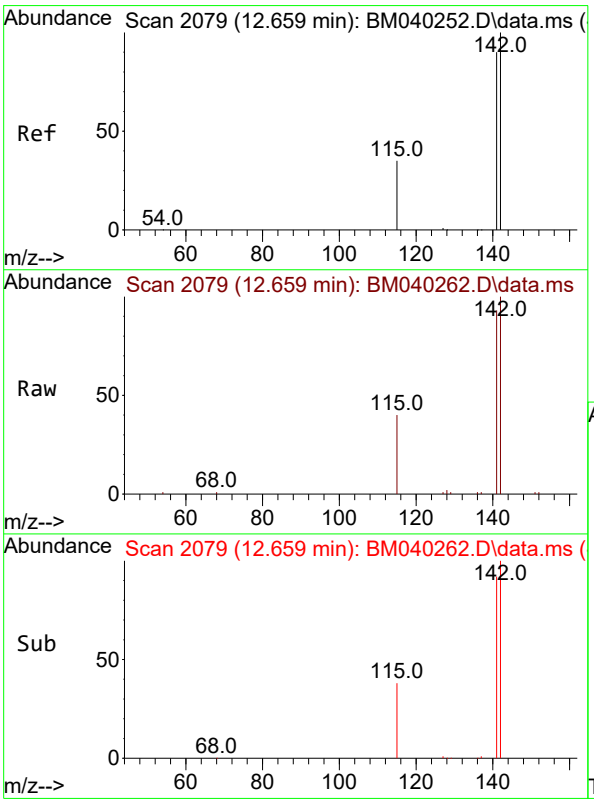

#7
2-Methylnaphthalene
Concen: 0.416 ng/ul
RT: 12.444 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM040262.D
Acq: 15 Jun 2023 16:48

**Instrument :**
BNA_M
**ClientSampleId :**
SLCS389

Tgt Ion:142 Resp: 20173

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.3 | 70.6 | 106.0 |

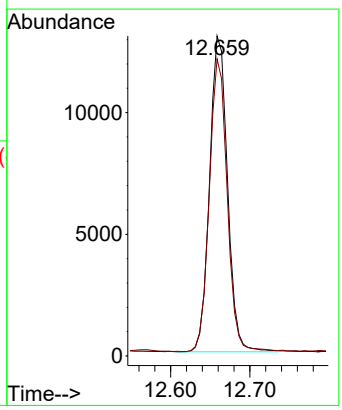


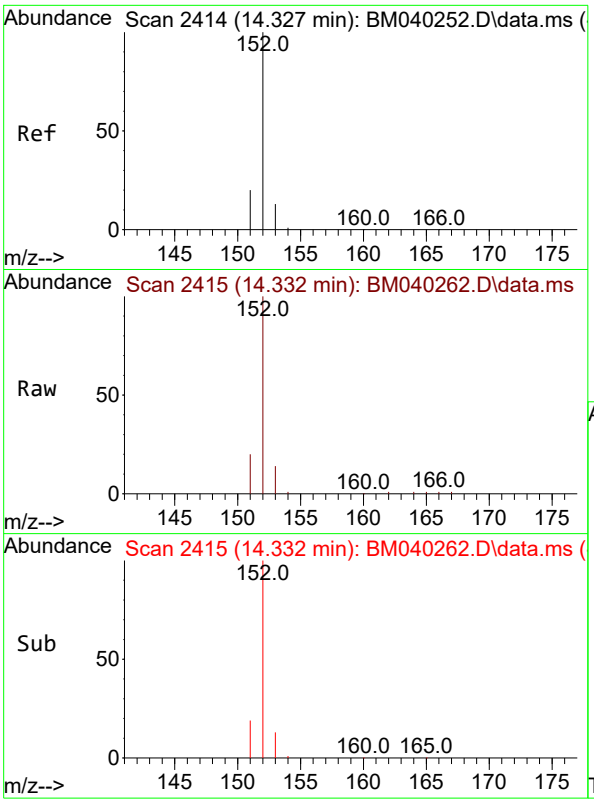




#8
1-Methylnaphthalene
Concen: 0.402 ng/ul
RT: 12.659 min Scan# 2079
Delta R.T. -0.006 min
Lab File: BM040262.D
Acq: 15 Jun 2023 16:48

Tgt Ion:142 Resp: 20386

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.2 | 73.0 | 109.4 |



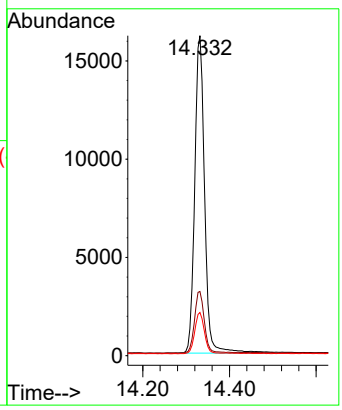


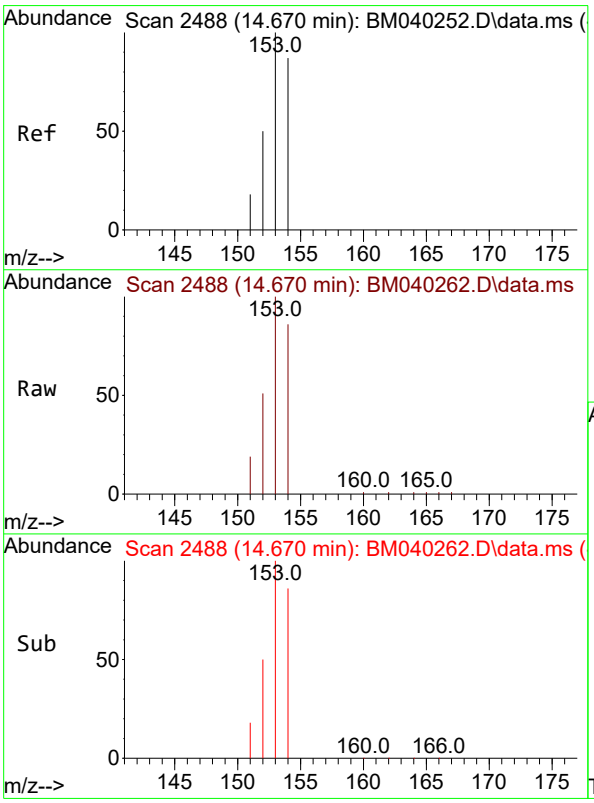

#10
Acenaphthylene
Concen: 0.453 ng/ul
RT: 14.332 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM040262.D
Acq: 15 Jun 2023 16:48

**Instrument :**
BNA_M
**ClientSampleId :**
SLCS389

Tgt Ion:152 Resp: 25601

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.0 | 16.3 | 24.5 |
| 153 | 13.5 | 10.7 | 16.1 |

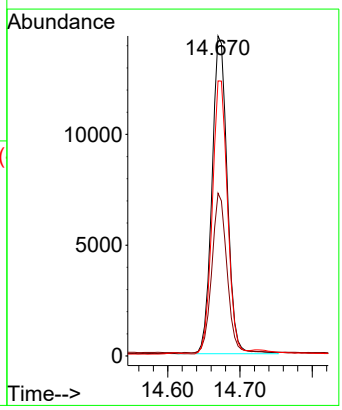


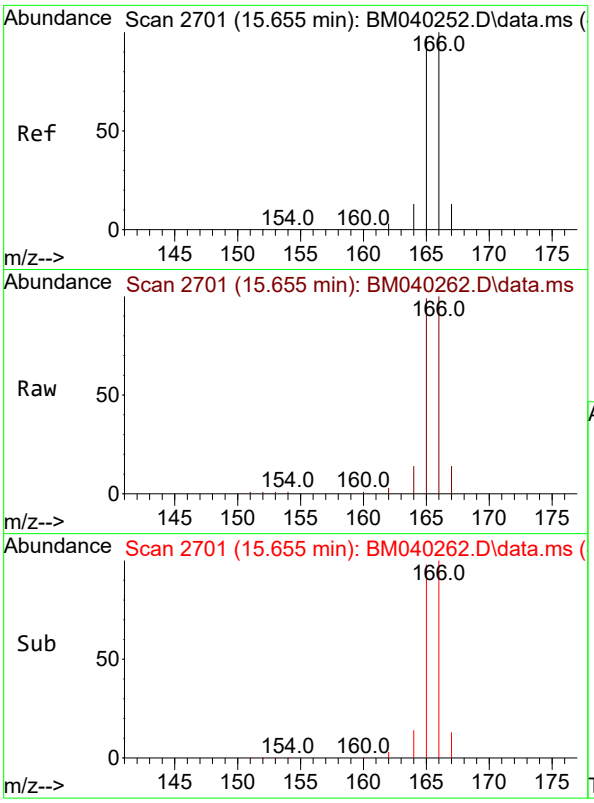




#11
Acenaphthene
Concen: 0.433 ng/ul
RT: 14.670 min Scan# 2488
Delta R.T. -0.005 min
Lab File: BM040262.D
Acq: 15 Jun 2023 16:48

Tgt Ion:153 Resp: 20967

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 50.8 | 40.3 | 60.5 |
| 154 | 86.0 | 70.5 | 105.7 |



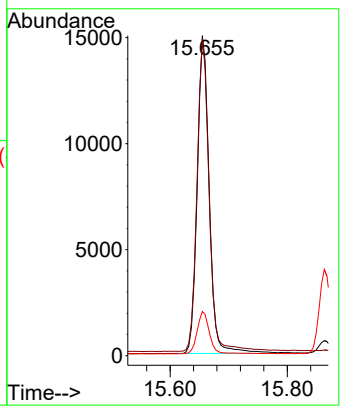


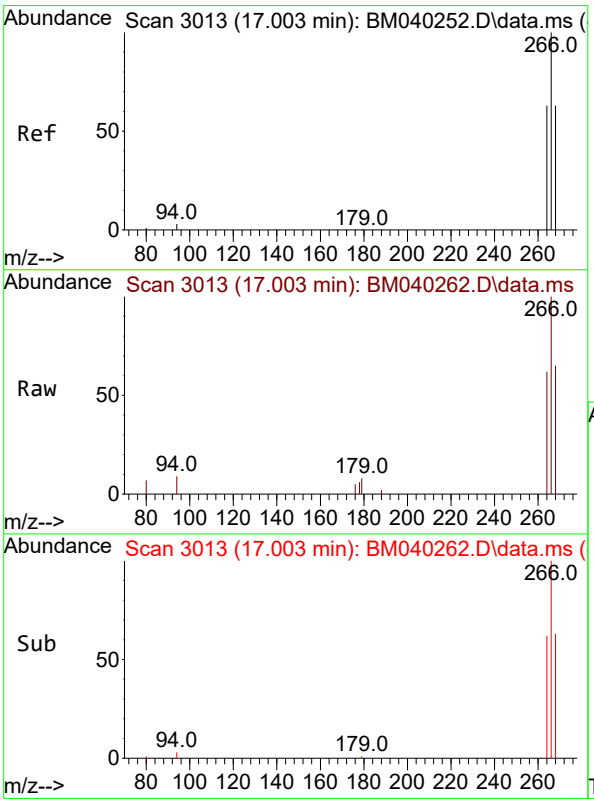

#12
Fluorene
Concen: 0.398 ng/ul
RT: 15.655 min Scan# 2
Delta R.T. -0.005 min
Lab File: BM040262.D
Acq: 15 Jun 2023 16:48

**Instrument :**
BNA_M
**ClientSampleId :**
SLCS389

Tgt Ion:166 Resp: 21486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 99.1 | 78.2 | 117.4 |
| 167 | 13.8 | 11.0 | 16.4 |

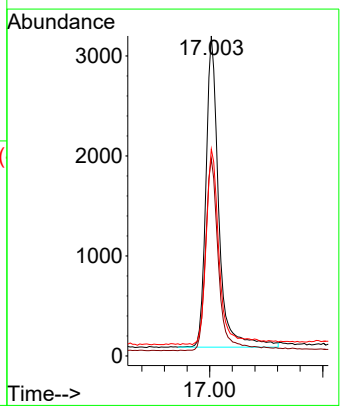


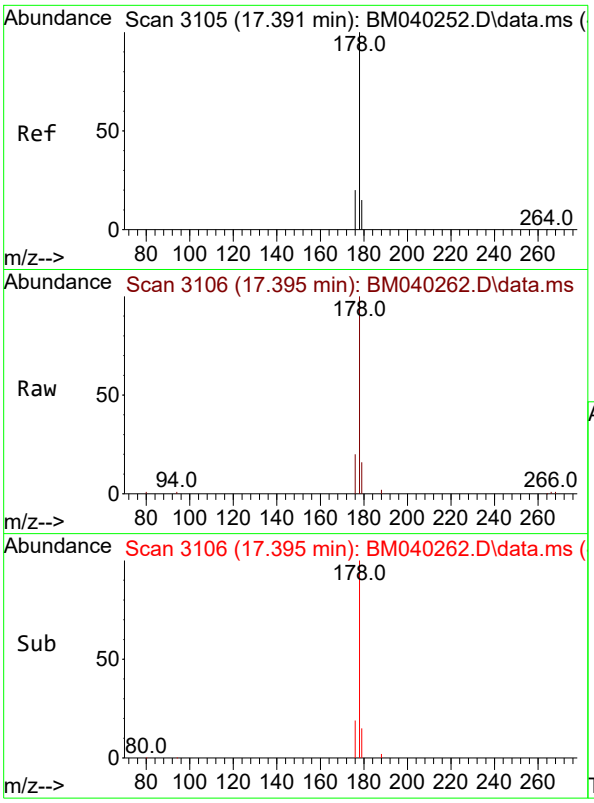




#14
Pentachlorophenol
Concen: 0.852 ng/ul
RT: 17.003 min Scan# 3013
Delta R.T. -0.004 min
Lab File: BM040262.D
Acq: 15 Jun 2023 16:48

Tgt Ion:266 Resp: 4874

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 62.7 | 49.4 | 74.0 |
| 268 | 64.0 | 51.3 | 76.9 |



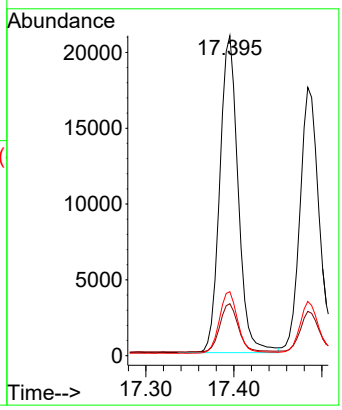


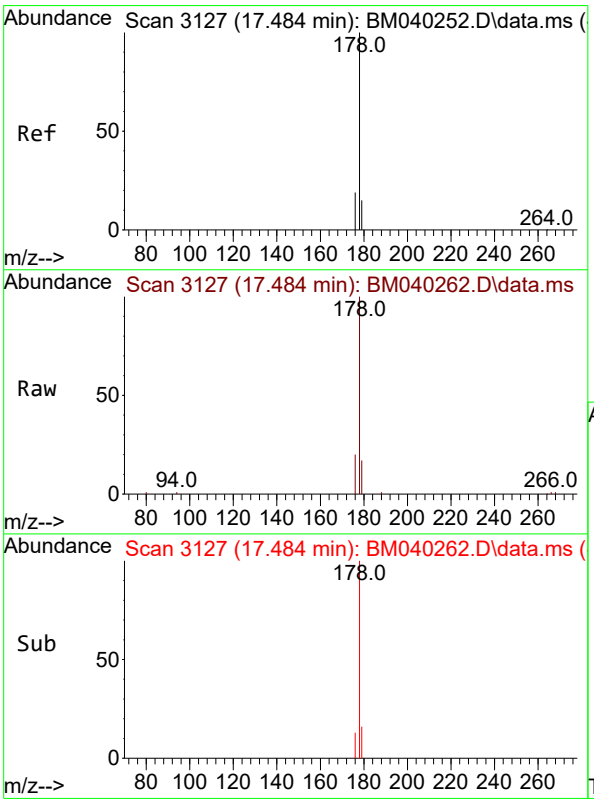

#15
Phenanthrene
Concen: 0.411 ng/ul
RT: 17.395 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM040262.D
Acq: 15 Jun 2023 16:48

**Instrument :**
BNA_M
**ClientSampleId :**
SLCS389

Tgt Ion:178 Resp: 30263

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.3 | 12.6 | 19.0 |
| 176 | 20.0 | 16.1 | 24.1 |

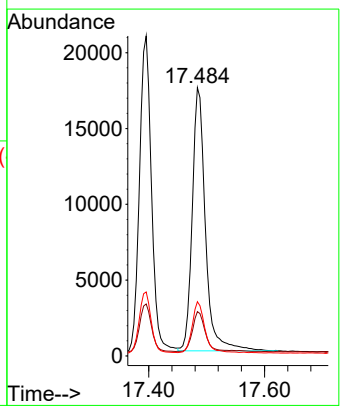


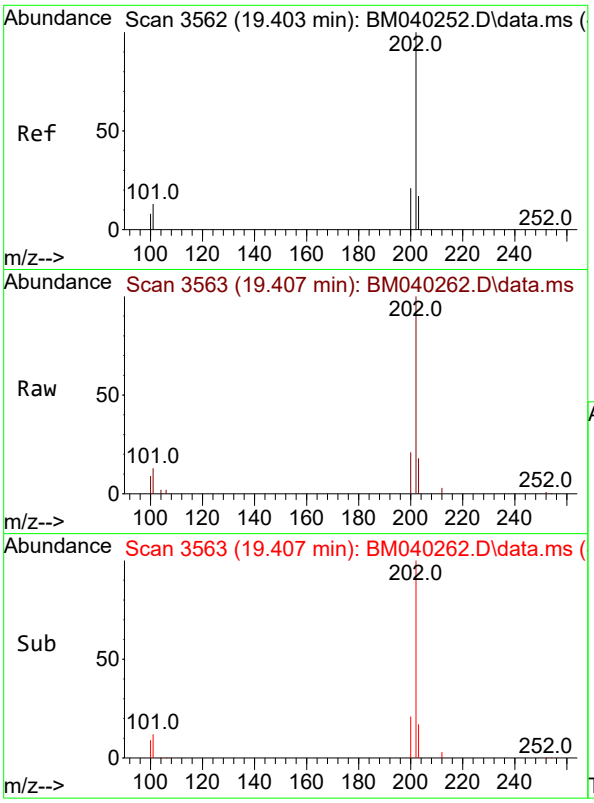




#16
Anthracene
Concen: 0.440 ng/ul
RT: 17.484 min Scan# 3127
Delta R.T. -0.004 min
Lab File: BM040262.D
Acq: 15 Jun 2023 16:48

Tgt Ion:178 Resp: 27477

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.5 | 13.0 | 19.4 |
| 176 | 20.2 | 15.5 | 23.3 |



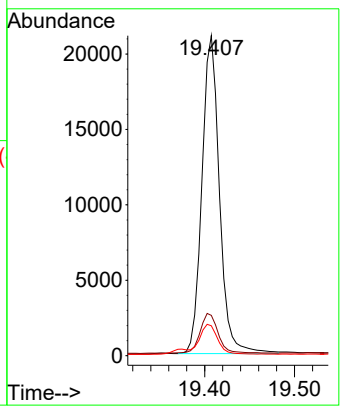


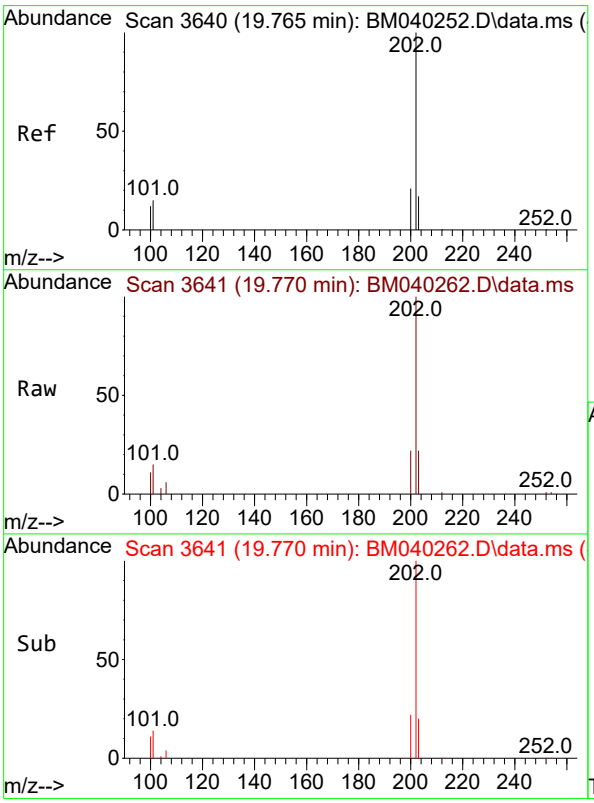

#19
Fluoranthene
Concen: 0.495 ng/ul
RT: 19.407 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM040262.D
Acq: 15 Jun 2023 16:48

**Instrument :**
BNA_M
**ClientSampleId :**
SLCS389

Tgt Ion:202 Resp: 28657

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.6 | 10.2 | 15.4 |
| 100 | 9.4 | 7.6 | 11.4 |

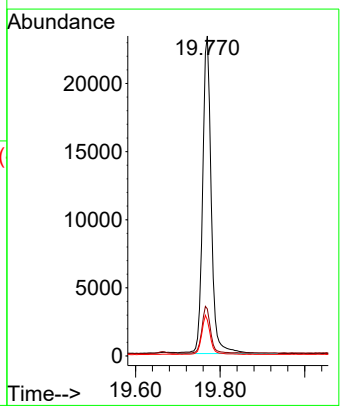


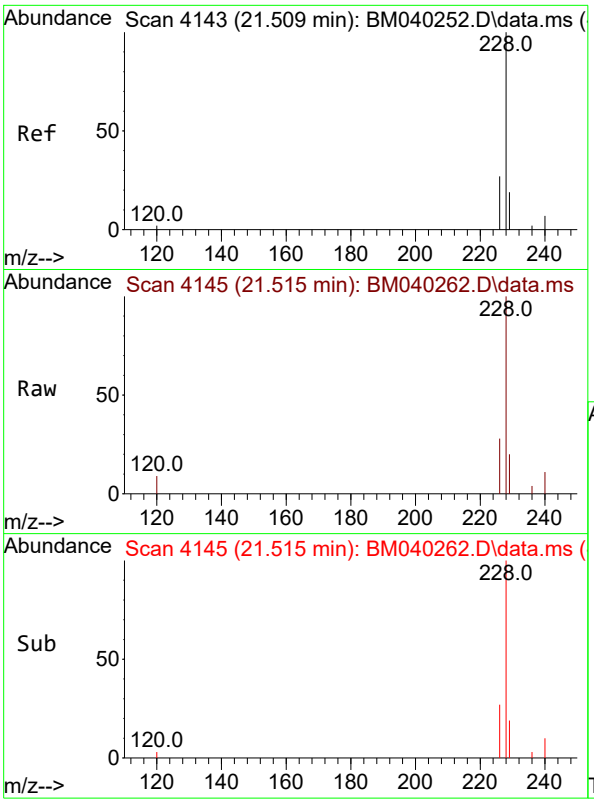




#20
Pyrene
Concen: 0.550 ng/ul
RT: 19.770 min Scan# 3641
Delta R.T. -0.000 min
Lab File: BM040262.D
Acq: 15 Jun 2023 16:48

Tgt Ion:202 Resp: 33054

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 14.7 | 11.8 | 17.8 |
| 100 | 11.2 | 9.3 | 13.9 |



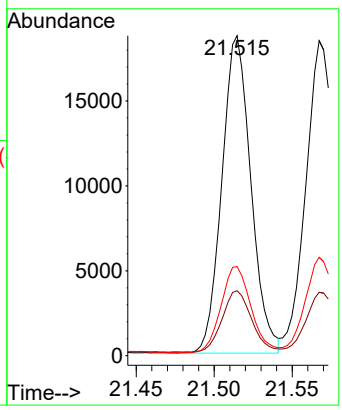


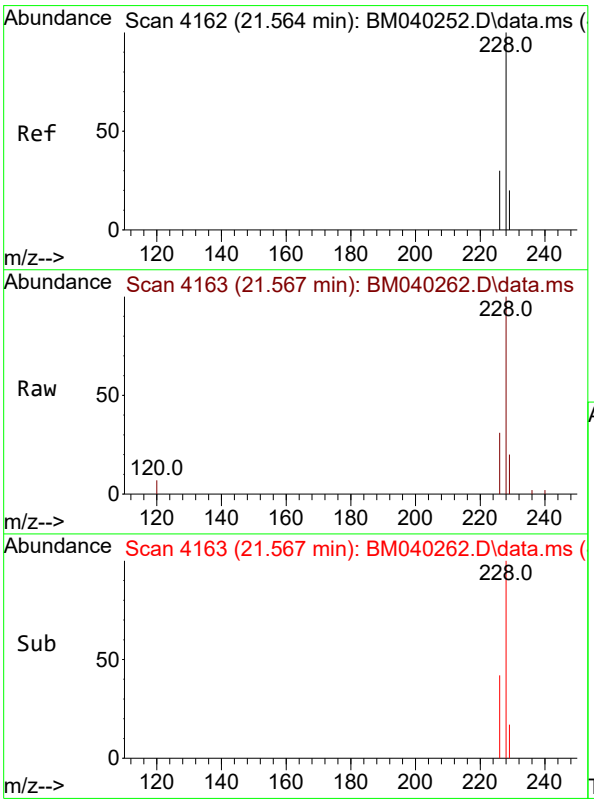

#21
Benzo(a)anthracene
Concen: 0.483 ng/ul
RT: 21.515 min Scan# 4
Delta R.T. -0.000 min
Lab File: BM040262.D
Acq: 15 Jun 2023 16:48

**Instrument :**
BNA_M
**ClientSampleId :**
SLCS389

Tgt Ion:228 Resp: 24225

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 20.3 | 15.8 | 23.8 |
| 226 | 27.9 | 22.0 | 33.0 |

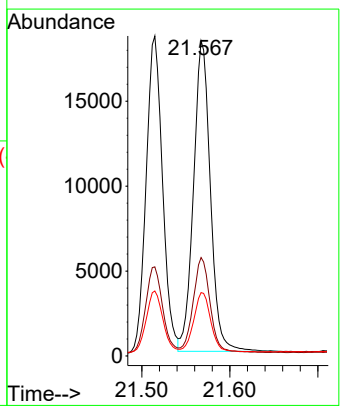


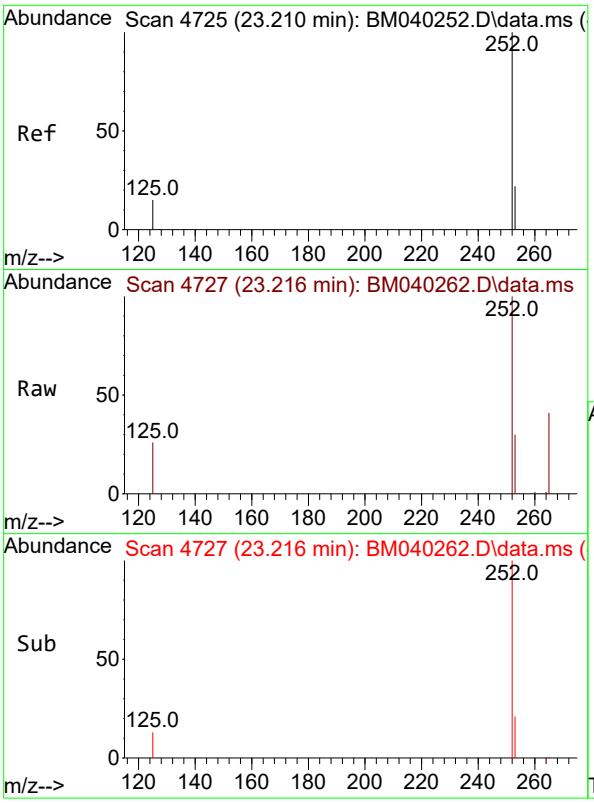




#22
Chrysene
Concen: 0.461 ng/ul
RT: 21.567 min Scan# 4163
Delta R.T. -0.003 min
Lab File: BM040262.D
Acq: 15 Jun 2023 16:48

Tgt Ion:228 Resp: 24408

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.2 | 24.3 | 36.5 |
| 229 | 20.1 | 15.7 | 23.5 |



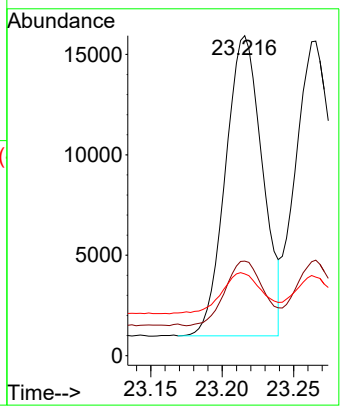


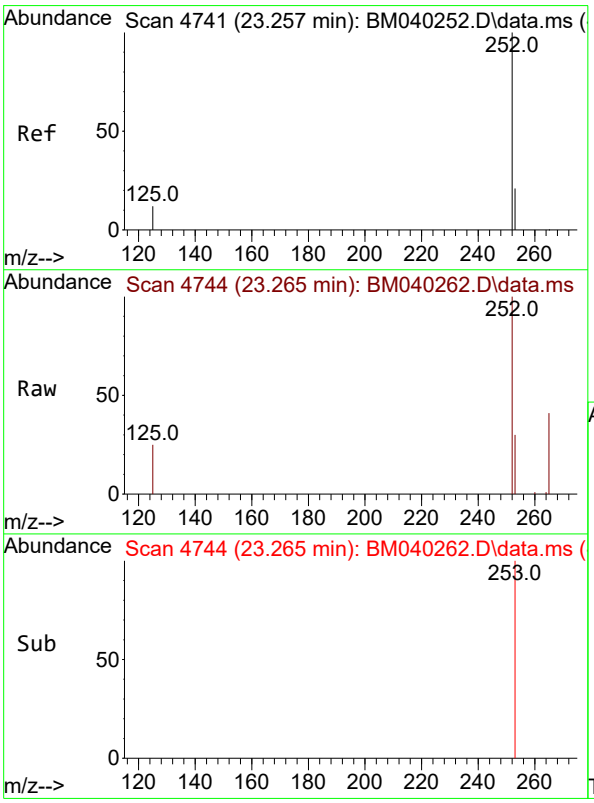

#24
Benzo(b)fluoranthene
Concen: 0.384 ng/ul
RT: 23.216 min Scan# 4
Delta R.T. -0.000 min
Lab File: BM040262.D
Acq: 15 Jun 2023 16:48

**Instrument :**
BNA_M
**ClientSampleId :**
SLCS389

Tgt Ion:252 Resp: 26898

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 29.6 | 0.0 | 52.4 |
| 125 | 25.6 | 0.0 | 38.4 |

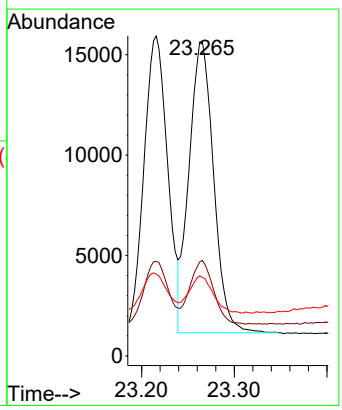


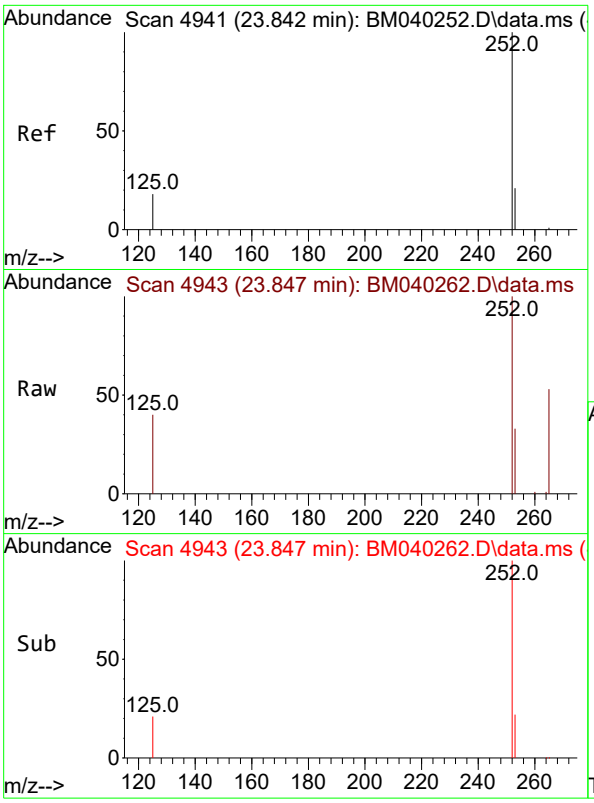




#25
Benzo(k)fluoranthene
Concen: 0.406 ng/ul
RT: 23.265 min Scan# 4744
Delta R.T. -0.000 min
Lab File: BM040262.D
Acq: 15 Jun 2023 16:48

Tgt Ion:252 Resp: 26762

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 30.4 | 21.5 | 32.3 |
| 125 | 25.0 | 14.7 | 22.1# |



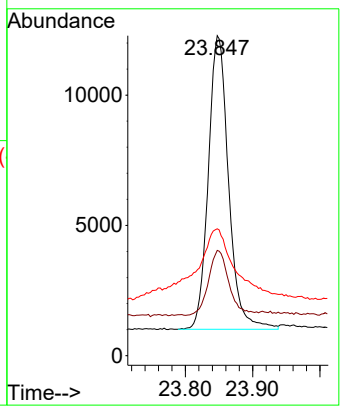


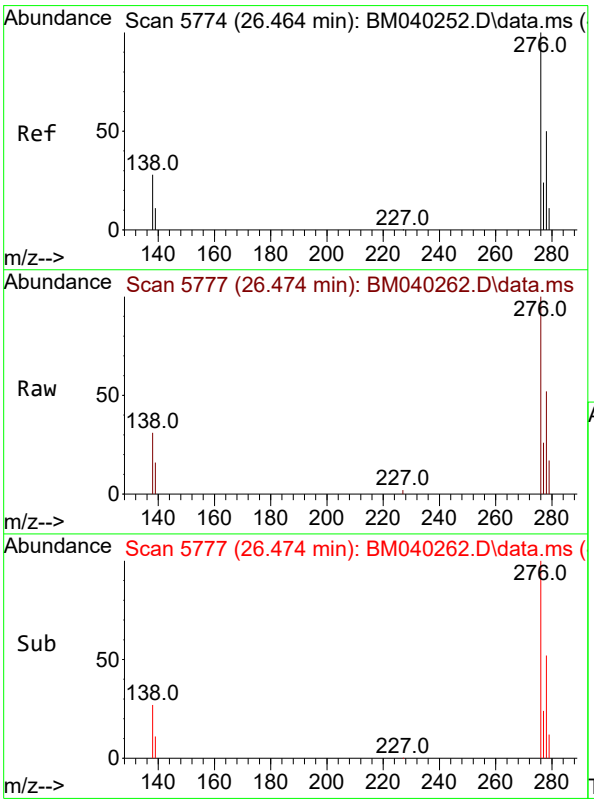

#26
Benzo(a)pyrene
Concen: 0.411 ng/ul
RT: 23.847 min Scan# 4
Delta R.T. -0.003 min
Lab File: BM040262.D
Acq: 15 Jun 2023 16:48

**Instrument :**
BNA_M
**ClientSampleId :**
SLCS389

Tgt Ion:252 Resp: 23641

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 32.9 | 23.4 | 35.0 |
| 125 | 39.6 | 19.7 | 29.5# |

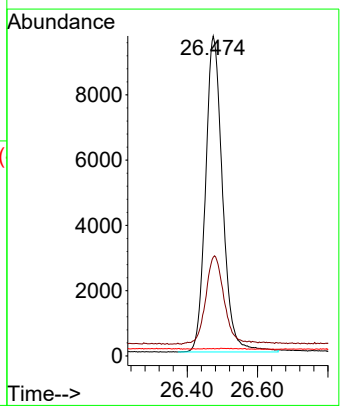


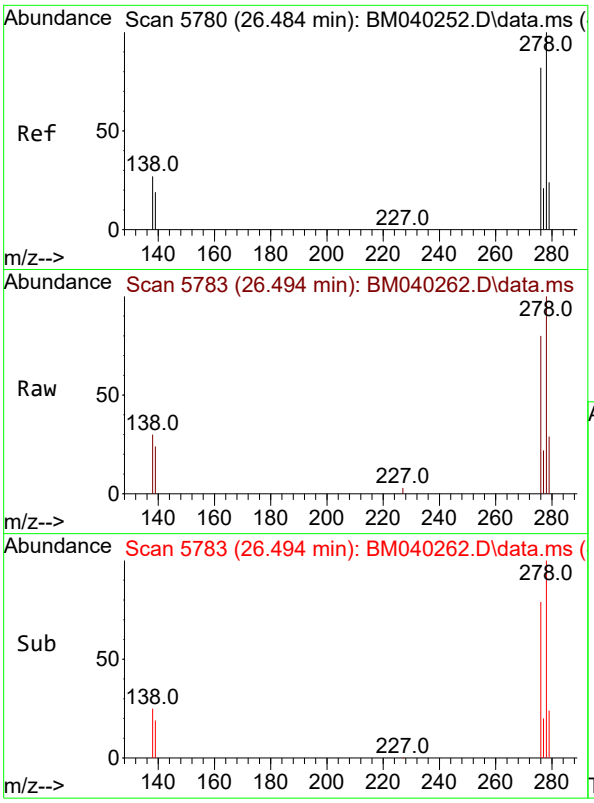




#27
Indeno(1,2,3-cd)pyrene
Concen: 0.447 ng/ul
RT: 26.474 min Scan# 5777
Delta R.T. -0.003 min
Lab File: BM040262.D
Acq: 15 Jun 2023 16:48

Tgt Ion:276 Resp: 32515

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 30.5 | 23.3 | 34.9 |
| 227 | 0.1 | 0.1 | 0.1 |



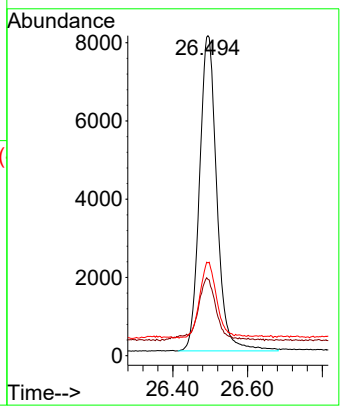


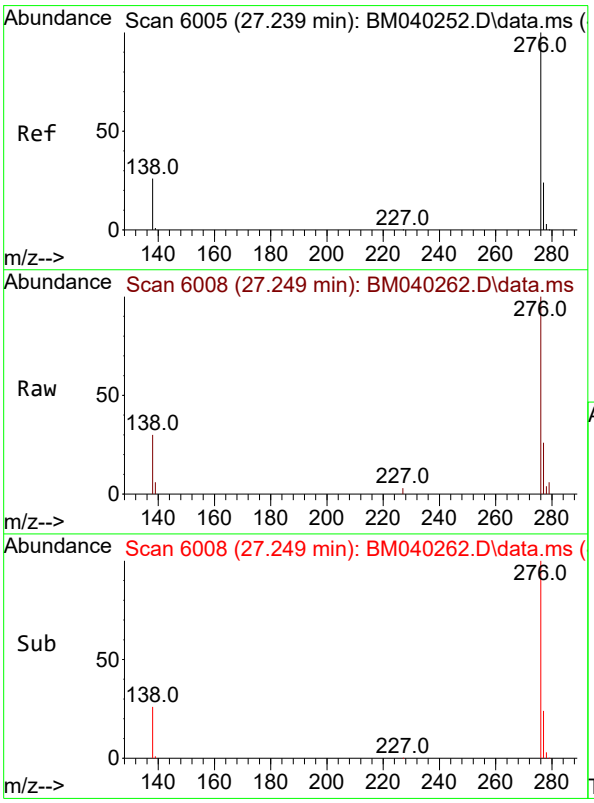

#28
Dibenzo(a,h)anthracene
Concen: 0.445 ng/ul
RT: 26.494 min Scan# 5
Delta R.T. -0.003 min
Lab File: BM040262.D
Acq: 15 Jun 2023 16:48

**Instrument :**
BNA_M
**ClientSampleId :**
SLCS389

Tgt Ion:278 Resp: 25970

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 23.9 | 16.4 | 24.6 |
| 279 | 29.0 | 21.8 | 32.8 |




#29
Benzo(g,h,i)perylene
Concen: 0.456 ng/ul
RT: 27.249 min Scan# 6008
Delta R.T. -0.007 min
Lab File: BM040262.D
Acq: 15 Jun 2023 16:48

Tgt Ion:276 Resp: 27679

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 29.9 | 21.0 | 31.4 |
| 277 | 25.7 | 19.6 | 29.4 |