Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091223\
Data File : BM041822.D
Acq On : 12 Sep 2023 21:13
Operator : MA/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**

Quant Time: Sep 13 03:11:38 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM090523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 12 04:50:34 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.975 | 152 | 7304 | 0.400 | ng/ul | 0.00 |
| 4) Naphthalene-d8 | 10.790 | 136 | 18869 | 0.400 | ng/ul | # 0.00 |
| 9) Acenaphthene-d10 | 14.620 | 164 | 10150 | 0.400 | ng/ul | 0.00 |
| 13) Phenanthrene-d10 | 17.371 | 188 | 22054 | 0.400 | ng/ul | 0.00 |
| 17) Chrysene-d12 | 21.536 | 240 | 13292 | 0.400 | ng/ul | # 0.00 |
| 23) Perylene-d12 | 23.953 | 264 | 14105 | 0.400 | ng/ul | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.385 | 96 | 3530 | 0.316 | ng/ul | 0.00 |
| 6) 2-Methylnaphthalene-d10 | 12.374 | 152 | 10438 | 0.430 | ng/ul | 0.00 |
| 18) Fluoranthene-d10 | 19.389 | 212 | 19807 | 0.307 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.418 | 88 | 3710 | 0.320 | ng/ul# | 79 |
| 5) Naphthalene | 10.839 | 128 | 24276 | 0.392 | ng/ul | 99 |
| 7) 2-Methylnaphthalene | 12.445 | 142 | 15446 | 0.439 | ng/ul | 99 |
| 8) 1-Methylnaphthalene | 12.665 | 142 | 15735 | 0.445 | ng/ul | 100 |
| 10) Acenaphthylene | 14.347 | 152 | 24729 | 0.394 | ng/ul | 98 |
| 11) Acenaphthene | 14.680 | 153 | 18570 | 0.381 | ng/ul | 98 |
| 12) Fluorene | 15.665 | 166 | 21622 | 0.395 | ng/ul | 99 |
| 14) Pentachlorophenol | 16.995 | 266 | 4492 | 0.509 | ng/ul | 99 |
| 15) Phenanthrene | 17.413 | 178 | 35334 | 0.379 | ng/ul | 98 |
| 16) Anthracene | 17.502 | 178 | 32698 | 0.410 | ng/ul | 99 |
| 19) Fluoranthene | 19.417 | 202 | 40922 | 0.261 | ng/ul | 99 |
| 20) Pyrene | 19.784 | 202 | 42546 | 0.273 | ng/ul | 99 |
| 21) Benzo(a)anthracene | 21.521 | 228 | 33756 | 0.311 | ng/ul | 99 |
| 22) Chrysene | 21.574 | 228 | 32158 | 0.275 | ng/ul | 99 |
| 24) Benzo(b)fluoranthene | 23.208 | 252 | 32716 | 0.259 | ng/ul | 99 |
| 25) Benzo(k)fluoranthene | 23.257 | 252 | 32311 | 0.262 | ng/ul | 99 |
| 26) Benzo(a)pyrene | 23.845 | 252 | 27600 | 0.269 | ng/ul | 97 |
| 27) Indeno(1,2,3-cd)pyrene | 26.454 | 276 | 32252 | 0.229 | ng/ul# | 99 |
| 28) Dibenzo(a,h)anthracene | 26.475 | 278 | 24433 | 0.248 | ng/ul | 96 |
| 29) Benzo(g,h,i)perylene | 27.236 | 276 | 25305 | 0.203 | ng/ul | 99 |

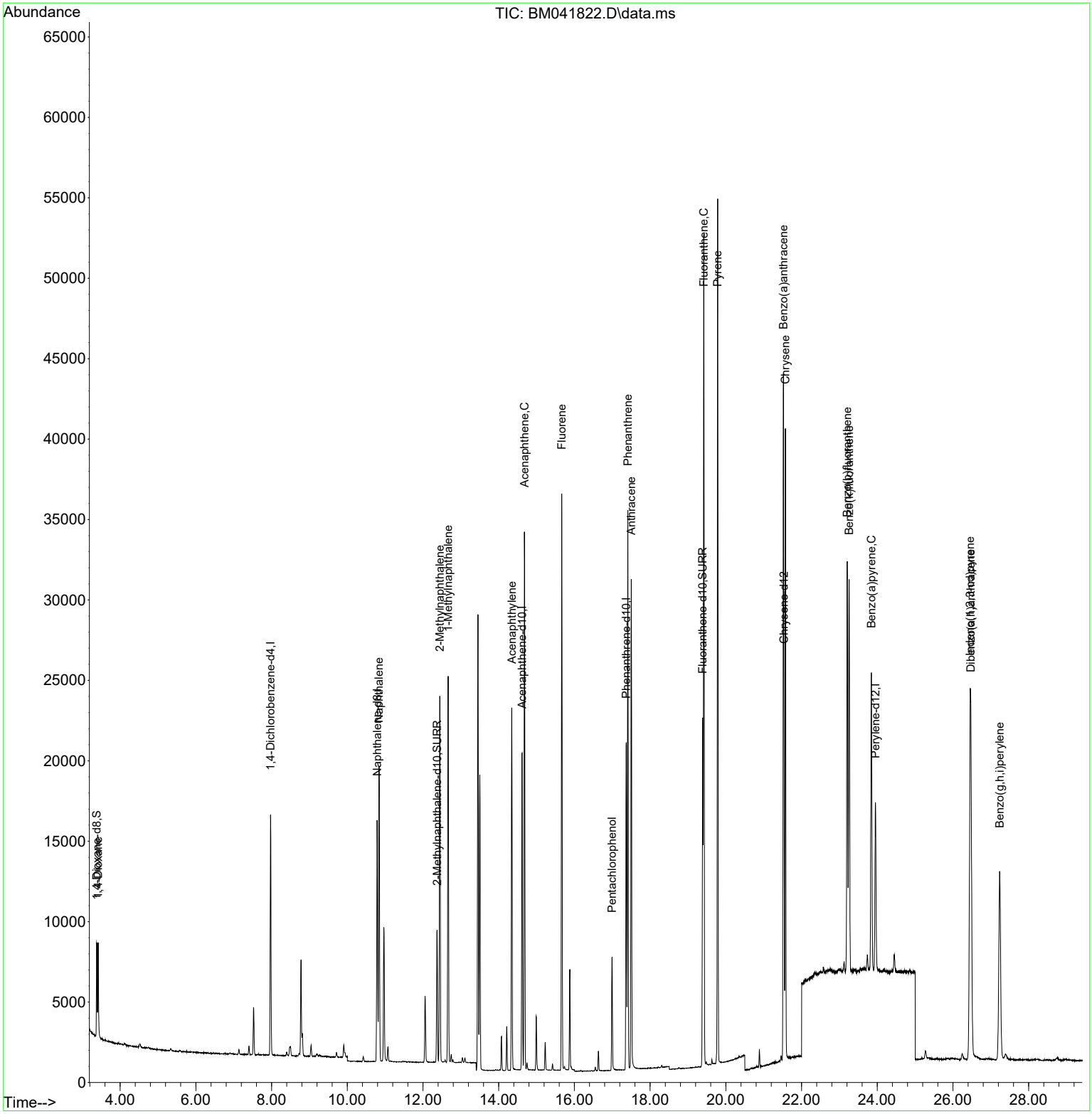
(#) = qualifier out of range (m) = manual integration (+) = signals summed

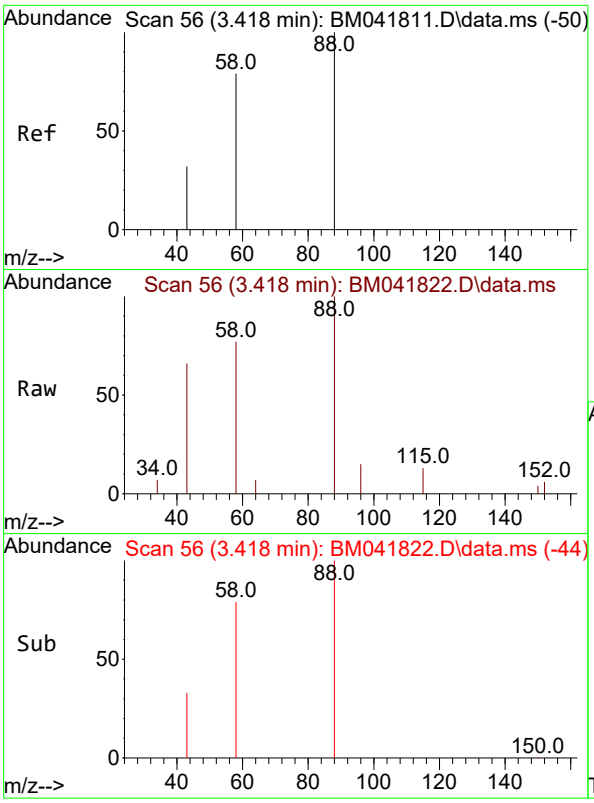
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091223\
Data File : BM041822.D
Acq On : 12 Sep 2023 21:13
Operator : MA/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**

Quant Time: Sep 13 03:11:38 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM090523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 12 04:50:34 2023
Response via : Initial Calibration



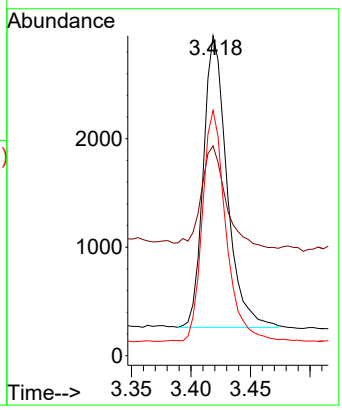


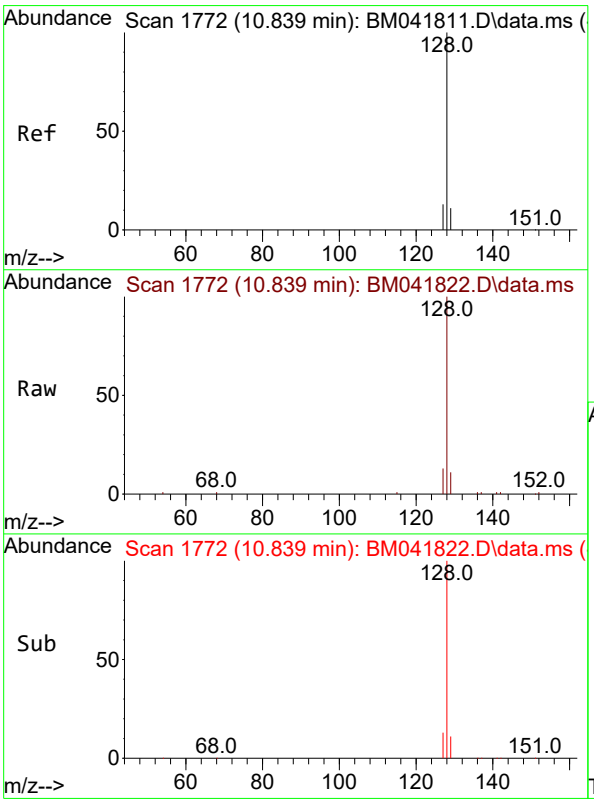

#2
1,4-Dioxane
Concen: 0.320 ng/ul
RT: 3.418 min Scan# 5
Delta R.T. -0.009 min
Lab File: BM041822.D
Acq: 12 Sep 2023 21:13

**Instrument :**
BNA_P
**ClientSampleId :**

Tgt Ion: 88 Resp: 3710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 65.5 | 33.8 | 50.6# |
| 58 | 76.6 | 54.2 | 81.2 |

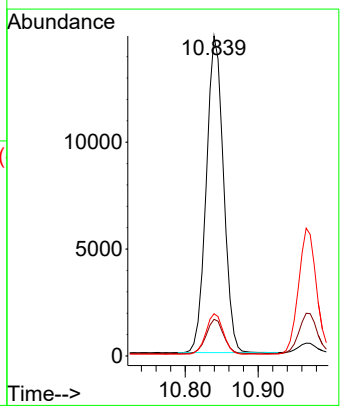


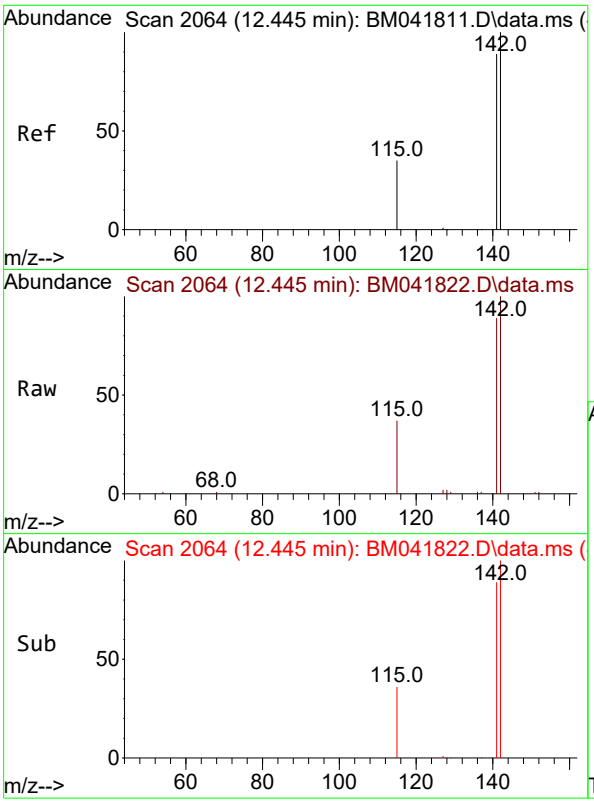




#5
Naphthalene
Concen: 0.392 ng/ul
RT: 10.839 min Scan# 1772
Delta R.T. -0.006 min
Lab File: BM041822.D
Acq: 12 Sep 2023 21:13

Tgt Ion:128 Resp: 24276

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.4 | 9.4 | 14.0 |
| 127 | 13.2 | 11.0 | 16.6 |



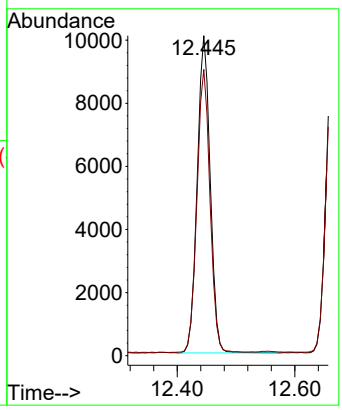


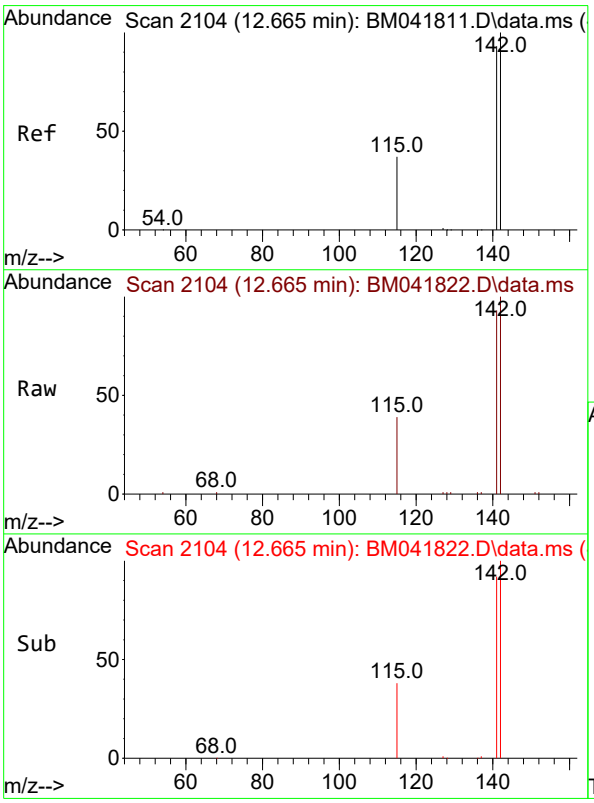

#7
2-Methylnaphthalene
Concen: 0.439 ng/ul
RT: 12.445 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM041822.D
Acq: 12 Sep 2023 21:13

**Instrument :**
BNA_P
**ClientSampleId :**

Tgt Ion:142 Resp: 15446

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.2 | 72.2 | 108.2 |

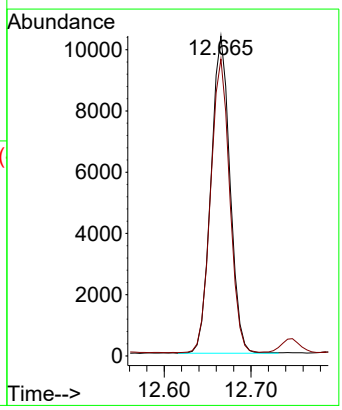


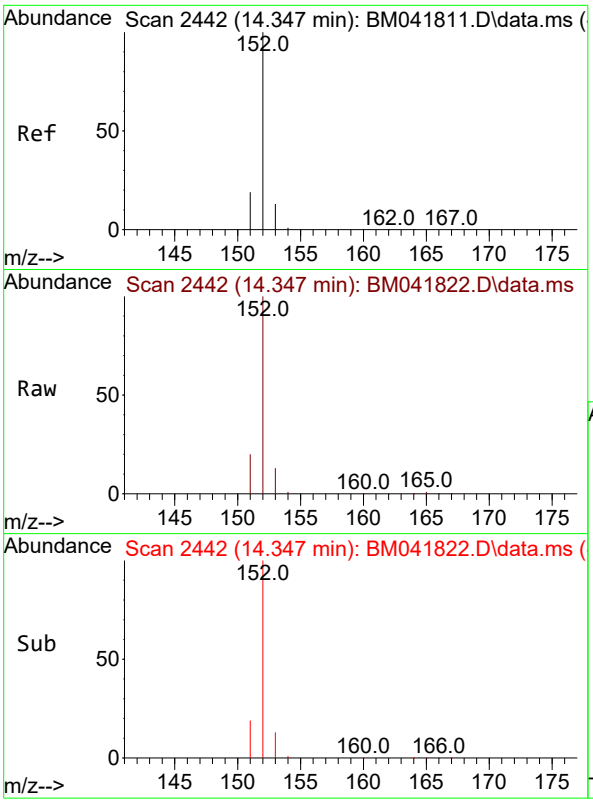




#8
1-Methylnaphthalene
Concen: 0.445 ng/ul
RT: 12.665 min Scan# 2104
Delta R.T. -0.006 min
Lab File: BM041822.D
Acq: 12 Sep 2023 21:13

Tgt Ion:142 Resp: 15735

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.6 | 74.4 | 111.6 |



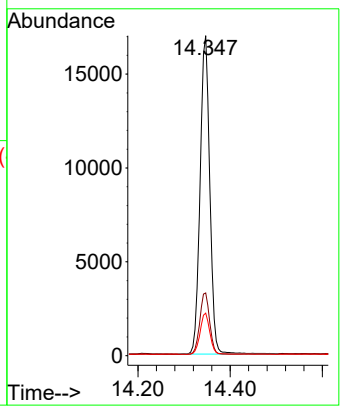


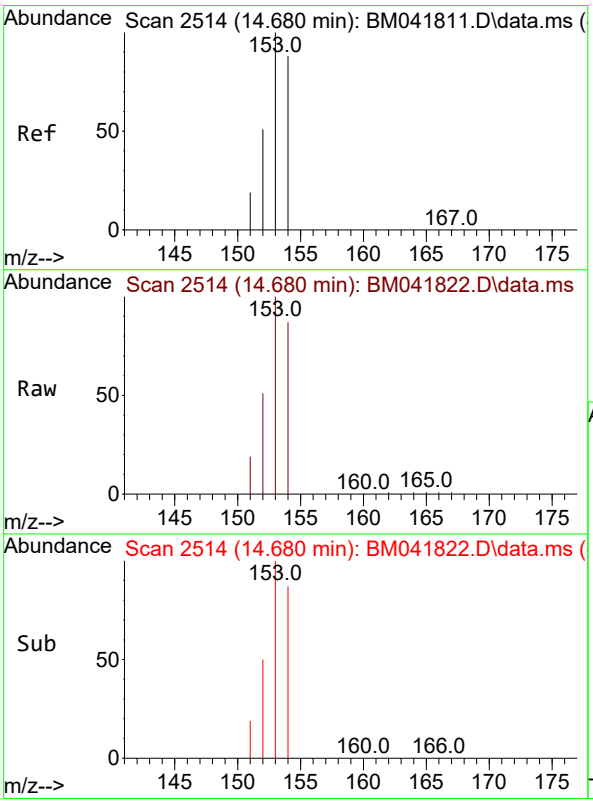

#10
Acenaphthylene
Concen: 0.394 ng/ul
RT: 14.347 min Scan# 24
Delta R.T. -0.005 min
Lab File: BM041822.D
Acq: 12 Sep 2023 21:13

**Instrument :**
BNA_P
**ClientSampleId :**

Tgt Ion:152 Resp: 24729

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.6 | 16.4 | 24.6 |
| 153 | 13.3 | 11.1 | 16.7 |

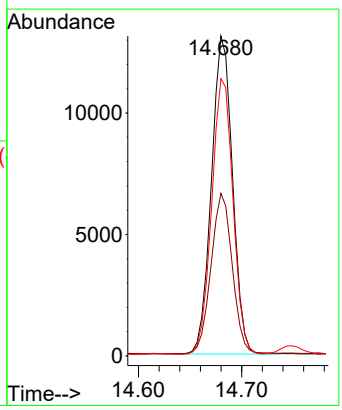


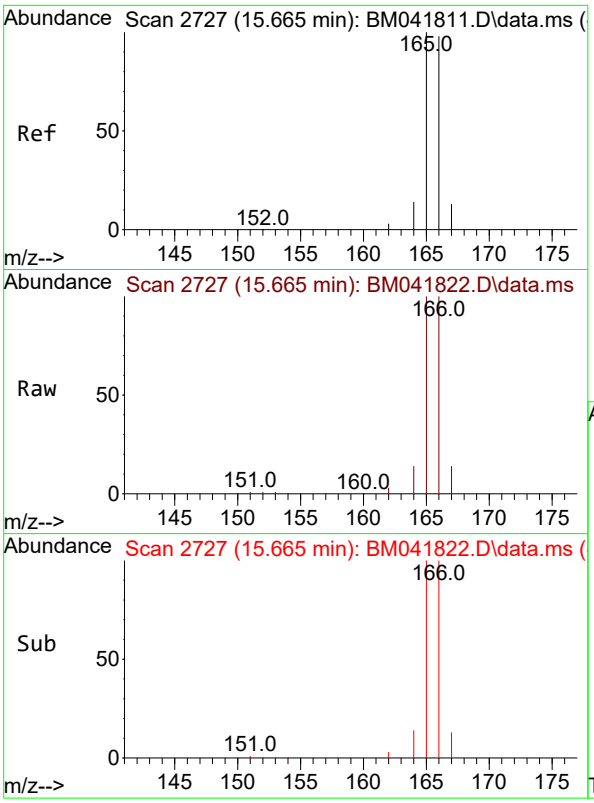




#11
Acenaphthene
Concen: 0.381 ng/ul
RT: 14.680 min Scan# 2514
Delta R.T. -0.005 min
Lab File: BM041822.D
Acq: 12 Sep 2023 21:13

Tgt Ion:153 Resp: 18570

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 50.8 | 43.4 | 65.2 |
| 154 | 86.7 | 69.4 | 104.0 |



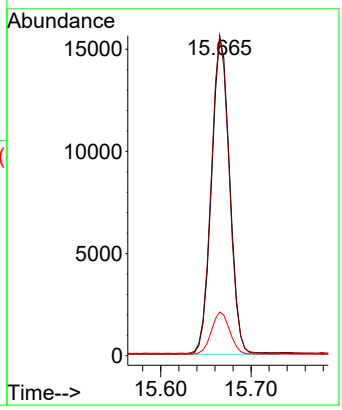


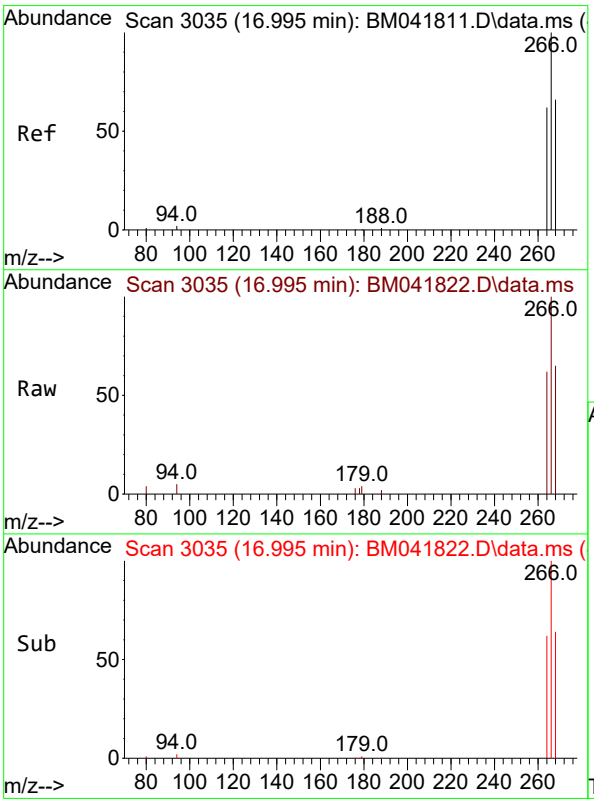

#12
Fluorene
Concen: 0.395 ng/ul
RT: 15.665 min Scan# 2
Delta R.T. -0.005 min
Lab File: BM041822.D
Acq: 12 Sep 2023 21:13

**Instrument :**
BNA_P
**ClientSampleId :**

Tgt Ion:166 Resp: 21622

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 100.2 | 79.4 | 119.2 |
| 167 | 13.7 | 11.3 | 16.9 |

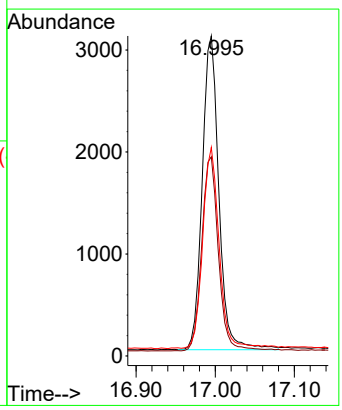


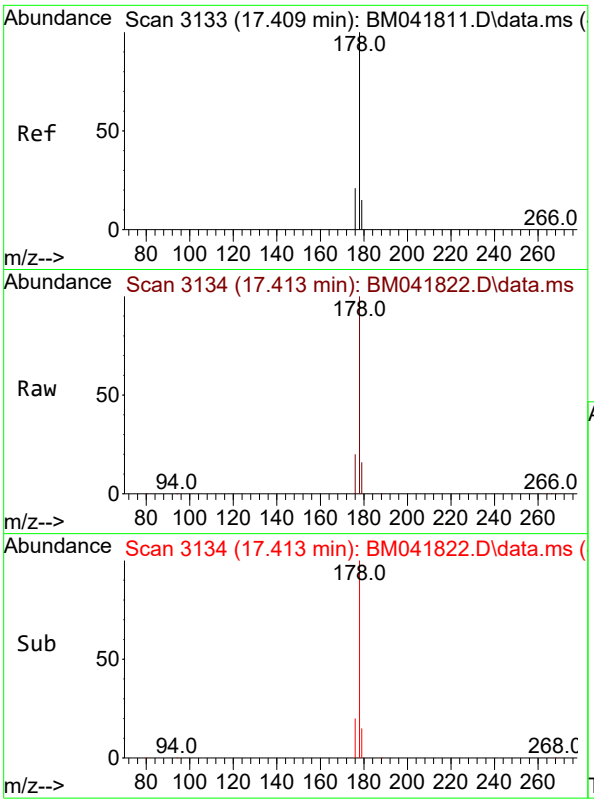




#14
Pentachlorophenol
Concen: 0.509 ng/ul
RT: 16.995 min Scan# 3035
Delta R.T. -0.000 min
Lab File: BM041822.D
Acq: 12 Sep 2023 21:13

Tgt Ion:266 Resp: 4492

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 62.1 | 50.0 | 75.0 |
| 268 | 64.0 | 50.8 | 76.2 |



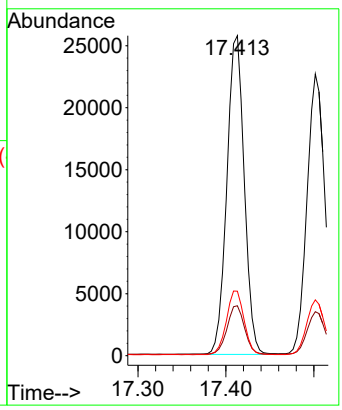


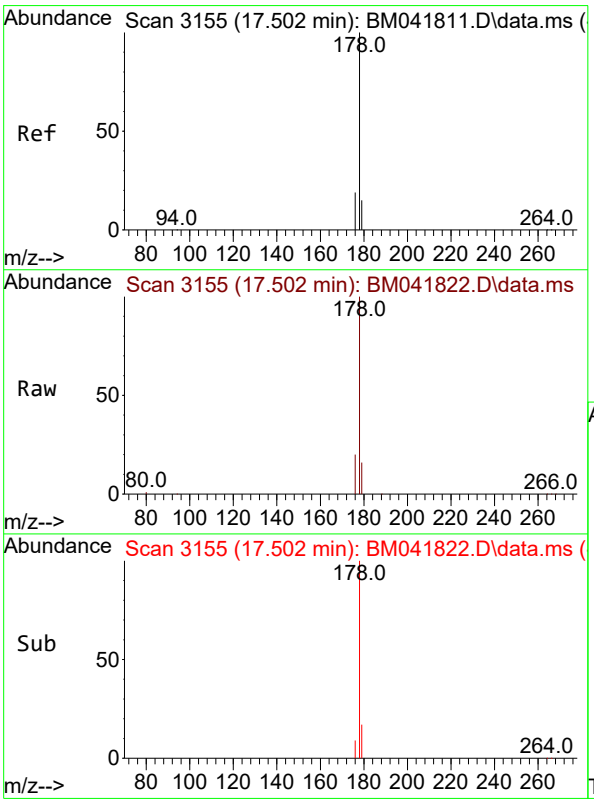

#15
Phenanthrene
Concen: 0.379 ng/ul
RT: 17.413 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM041822.D
Acq: 12 Sep 2023 21:13

**Instrument :**
BNA_P
**ClientSampleId :**

Tgt Ion:178 Resp: 35334

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.6 | 12.9 | 19.3 |
| 176 | 20.2 | 16.9 | 25.3 |

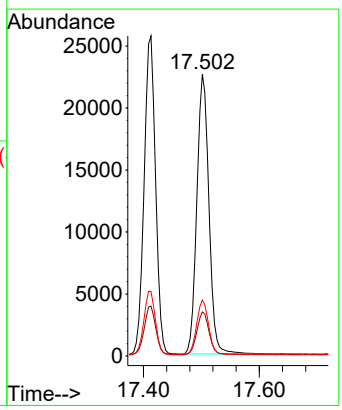


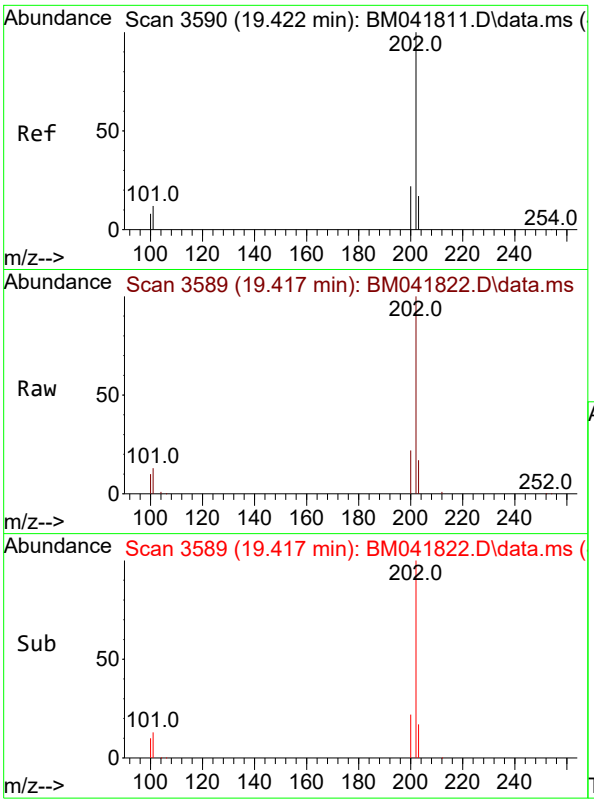




#16
Anthracene
Concen: 0.410 ng/ul
RT: 17.502 min Scan# 3155
Delta R.T. -0.004 min
Lab File: BM041822.D
Acq: 12 Sep 2023 21:13

Tgt Ion:178 Resp: 32698

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.6 | 12.9 | 19.3 |
| 176 | 19.8 | 15.8 | 23.8 |



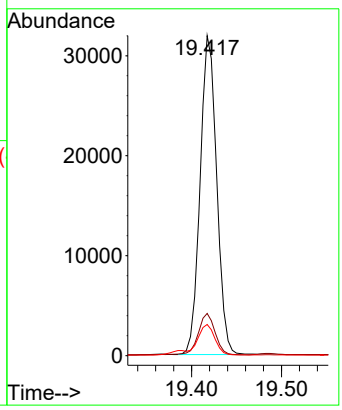


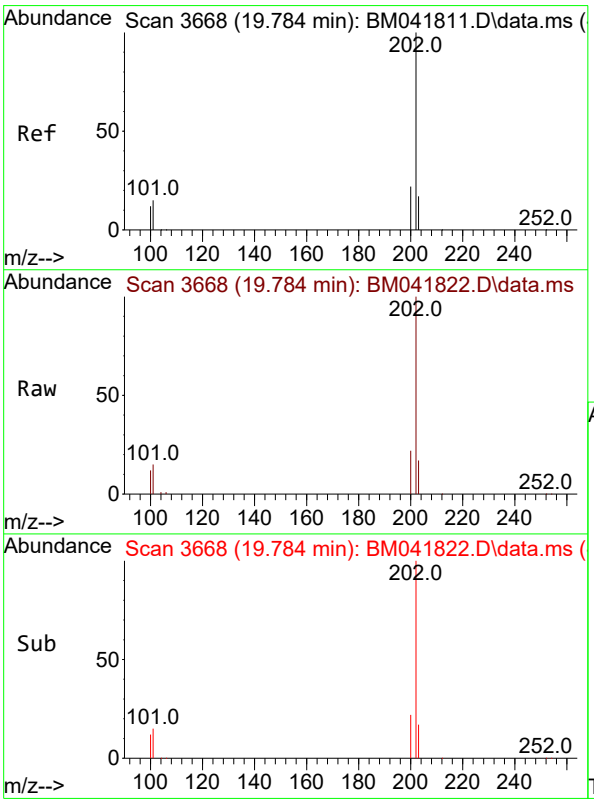

#19
Fluoranthene
Concen: 0.261 ng/ul
RT: 19.417 min Scan# 3
Delta R.T. -0.005 min
Lab File: BM041822.D
Acq: 12 Sep 2023 21:13

**Instrument :**
BNA_P
**ClientSampleId :**

Tgt Ion:202 Resp: 40922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.2 | 10.5 | 15.7 |
| 100 | 9.8 | 8.4 | 12.6 |

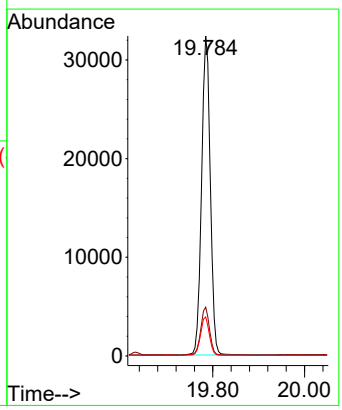


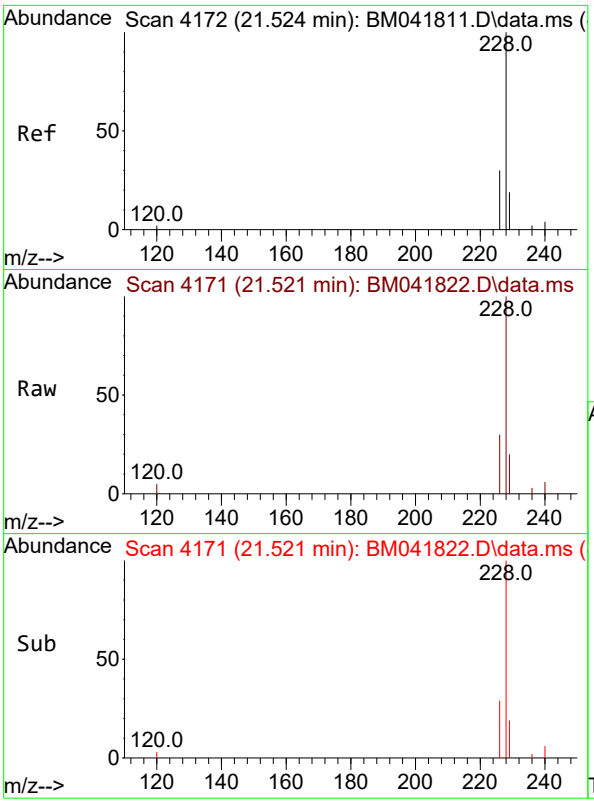




#20
Pyrene
Concen: 0.273 ng/ul
RT: 19.784 min Scan# 3668
Delta R.T. -0.005 min
Lab File: BM041822.D
Acq: 12 Sep 2023 21:13

Tgt Ion:202 Resp: 42546

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 15.2 | 11.8 | 17.8 |
| 100 | 12.2 | 9.8 | 14.6 |



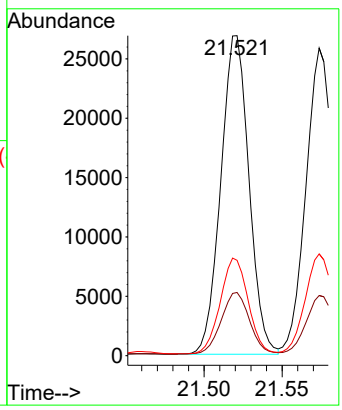


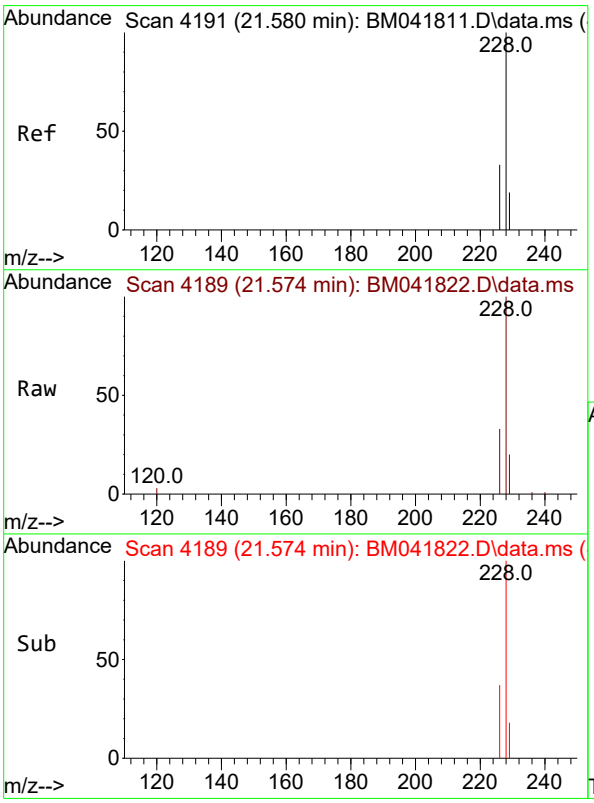

#21
Benzo(a)anthracene
Concen: 0.311 ng/ul
RT: 21.521 min Scan# 4
Delta R.T. -0.006 min
Lab File: BM041822.D
Acq: 12 Sep 2023 21:13

**Instrument :**
BNA_P
**ClientSampleId :**

Tgt Ion:228 Resp: 33756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 19.7 | 15.8 | 23.6 |
| 226 | 29.8 | 24.8 | 37.2 |

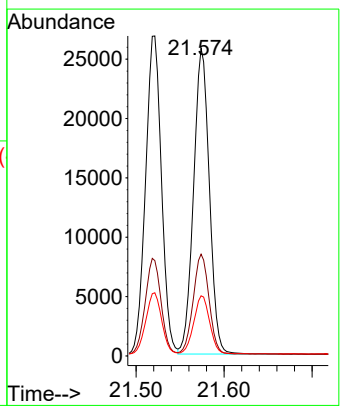


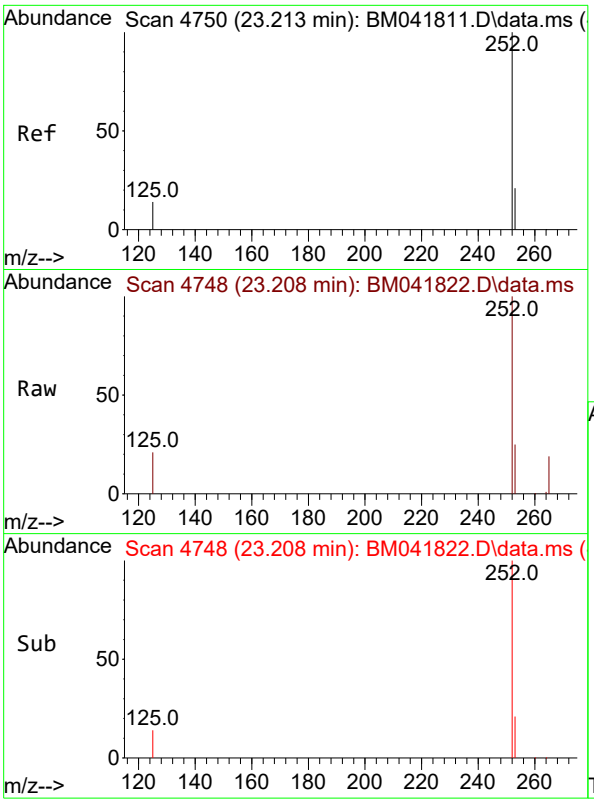




#22
Chrysene
Concen: 0.275 ng/ul
RT: 21.574 min Scan# 4189
Delta R.T. -0.006 min
Lab File: BM041822.D
Acq: 12 Sep 2023 21:13

Tgt Ion:228 Resp: 32158

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 33.1 | 27.0 | 40.6 |
| 229 | 19.6 | 15.4 | 23.2 |



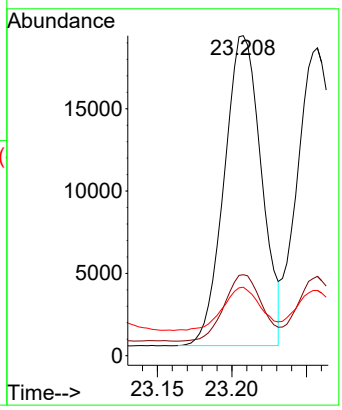


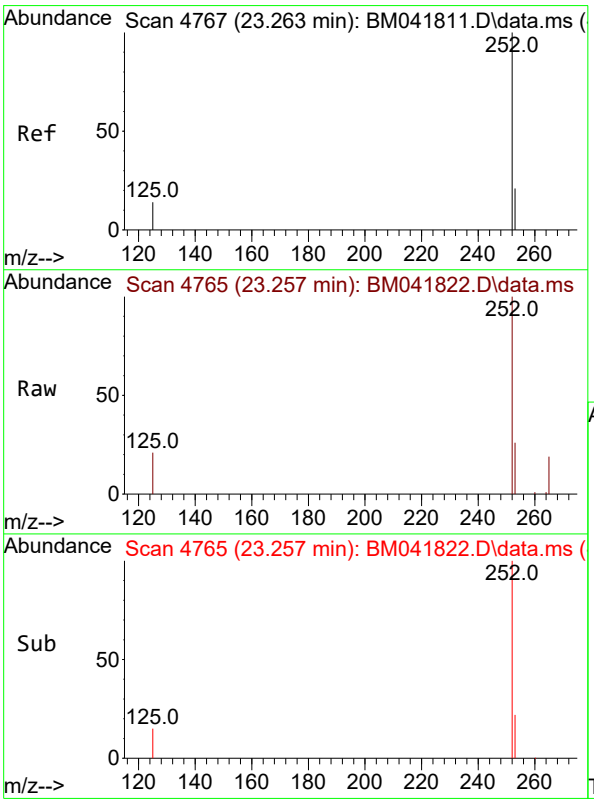

#24
Benzo(b)fluoranthene
Concen: 0.259 ng/ul
RT: 23.208 min Scan# 4
Delta R.T. -0.009 min
Lab File: BM041822.D
Acq: 12 Sep 2023 21:13

**Instrument :**
BNA_P
**ClientSampleId :**

Tgt Ion:252 Resp: 32716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.3 | 0.0 | 52.4 |
| 125 | 21.4 | 0.0 | 42.8 |

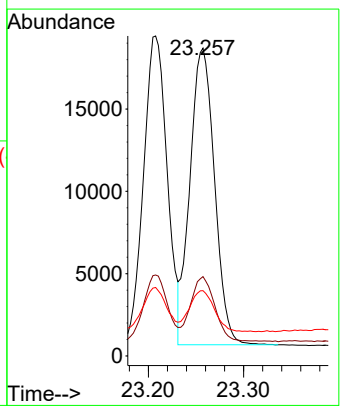


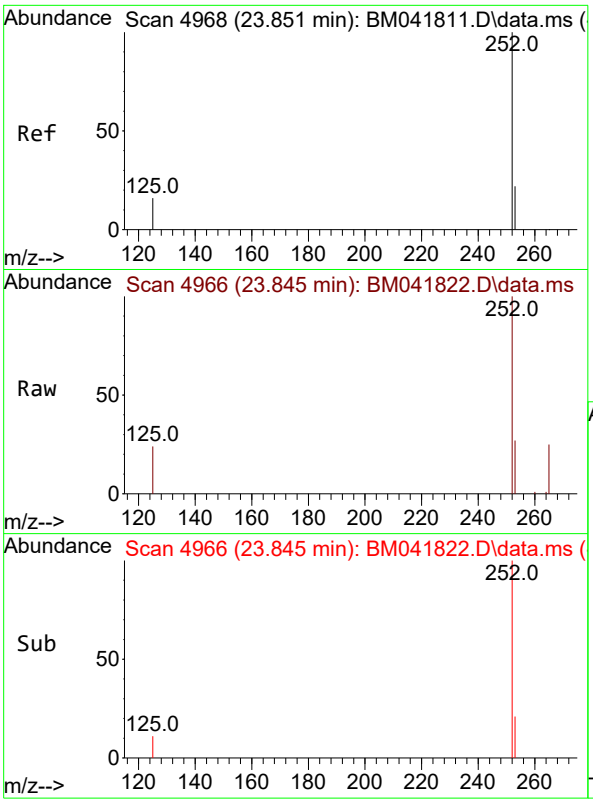




#25
Benzo(k)fluoranthene
Concen: 0.262 ng/ul
RT: 23.257 min Scan# 4765
Delta R.T. -0.009 min
Lab File: BM041822.D
Acq: 12 Sep 2023 21:13

Tgt Ion:252 Resp: 32311

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.8 | 21.3 | 31.9 |
| 125 | 21.2 | 17.4 | 26.0 |



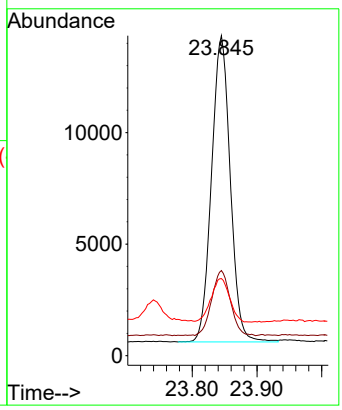


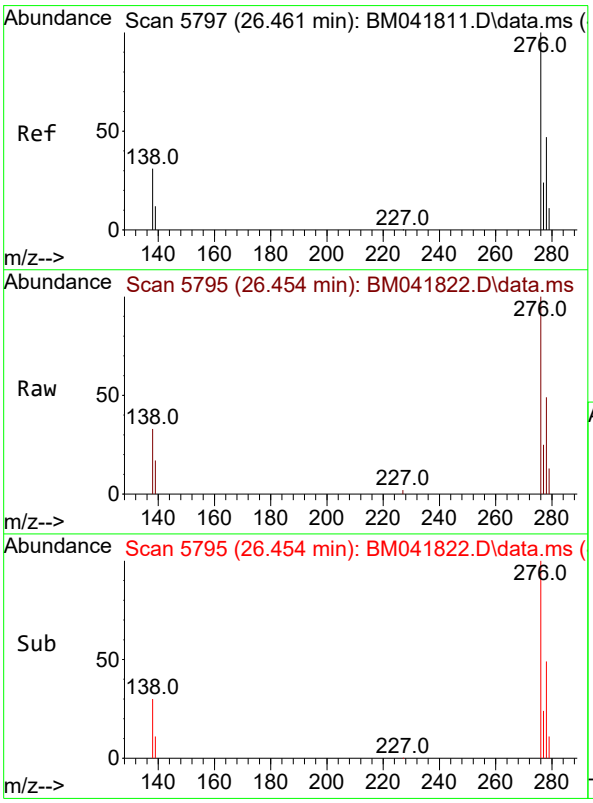

#26
Benzo(a)pyrene
Concen: 0.269 ng/ul
RT: 23.845 min Scan# 4
Delta R.T. -0.009 min
Lab File: BM041822.D
Acq: 12 Sep 2023 21:13

**Instrument :**
BNA_P
**ClientSampleId :**

Tgt Ion:252 Resp: 27600

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 26.6 | 22.4 | 33.6 |
| 125 | 24.1 | 21.0 | 31.4 |

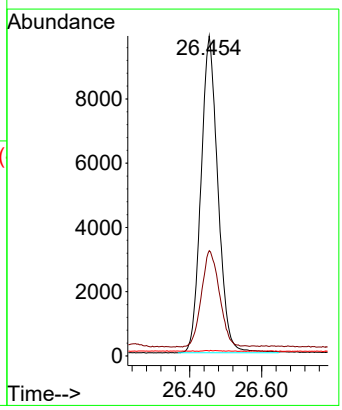


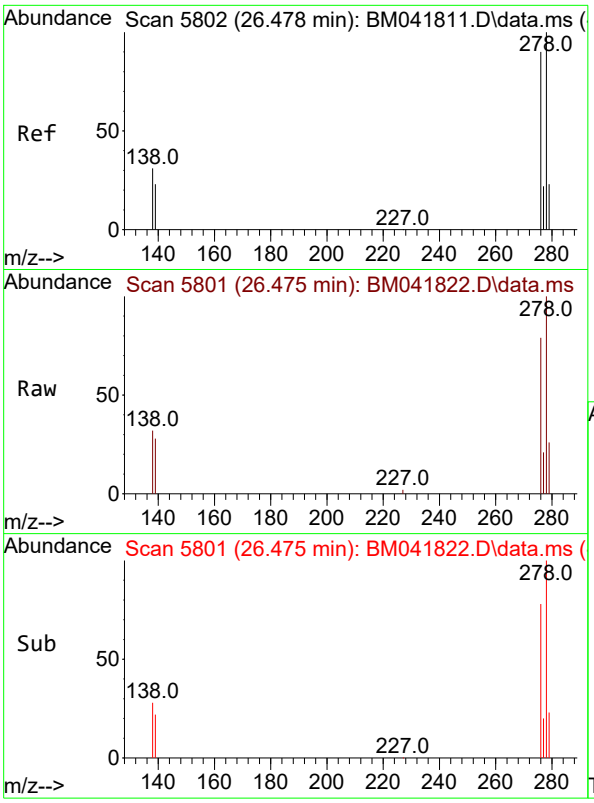




#27
Indeno(1,2,3-cd)pyrene
Concen: 0.229 ng/ul
RT: 26.454 min Scan# 5795
Delta R.T. -0.014 min
Lab File: BM041822.D
Acq: 12 Sep 2023 21:13

Tgt Ion:276 Resp: 32252

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 32.4 | 26.4 | 39.6 |
| 227 | 0.0 | 0.1 | 0.1# |



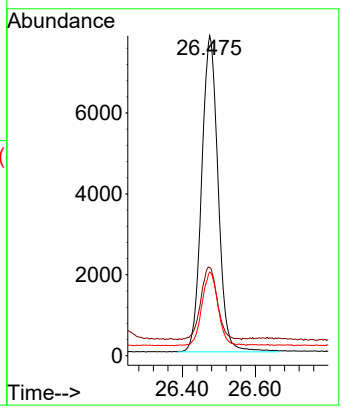


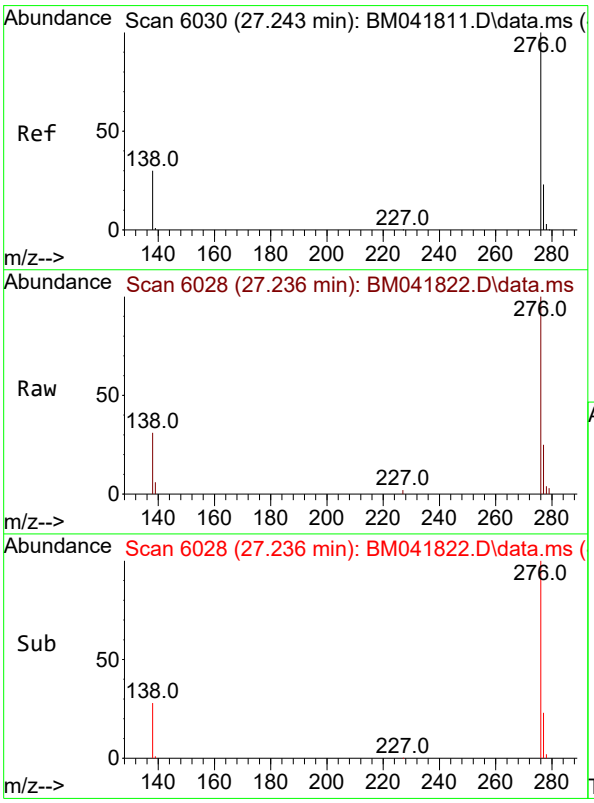

#28
Dibenzo(a,h)anthracene
Concen: 0.248 ng/ul
RT: 26.475 min Scan# 5
Delta R.T. -0.010 min
Lab File: BM041822.D
Acq: 12 Sep 2023 21:13

**Instrument :**
BNA_P
**ClientSampleId :**

Tgt Ion:278 Resp: 24433

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 27.5 | 23.0 | 34.6 |
| 279 | 26.1 | 22.9 | 34.3 |




#29
Benzo(g,h,i)perylene
Concen: 0.203 ng/ul
RT: 27.236 min Scan# 6028
Delta R.T. -0.010 min
Lab File: BM041822.D
Acq: 12 Sep 2023 21:13

Tgt Ion:276 Resp: 25305

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 31.0 | 25.0 | 37.4 |
| 277 | 24.8 | 20.2 | 30.2 |