Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071723\
Data File : BM040946.D
Acq On : 18 Jul 2023 09:05
Operator : MA/JU
Sample : PB153976BS
Misc :
ALS Vial : 33 Sample Multiplier: 1

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

Quant Time: Jul 18 22:25:48 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 : Tue Jul 18 22:24:09 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.853 | 152 | 4530 | 0.400 | ng/ul | 0.00 |
| 4) Naphthalene-d8 | 10.653 | 136 | 15182 | 0.400 | ng/ul | 0.00 |
| 9) Acenaphthene-d10 | 14.499 | 164 | 6268 | 0.400 | ng/ul | 0.00 |
| 13) Phenanthrene-d10 | 17.253 | 188 | 10301 | 0.400 | ng/ul | 0.00 |
| 17) Chrysene-d12 | 21.448 | 240 | 6740 | 0.400 | ng/ul | 0.00 |
| 23) Perylene-d12 | 23.822 | 264 | 7719 | 0.400 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.275 | 96 | 4690 | 0.659 | ng/ul | 0.00 |
| 6) 2-Methylnaphthalene-d10 | 12.247 | 152 | 6614 | 0.311 | ng/ul | 0.00 |
| 18) Fluoranthene-d10 | 19.283 | 212 | 7425 | 0.344 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.309 | 88 | 10548 | 1.456 | ng/ul | 90 |
| 5) Naphthalene | 10.702 | 128 | 11737 | 0.280 | ng/ul | 98 |
| 7) 2-Methylnaphthalene | 12.319 | 142 | 6383 | 0.260 | ng/ul | 97 |
| 8) 1-Methylnaphthalene | 12.539 | 142 | 6780 | 0.276 | ng/ul | 98 |
| 10) Acenaphthylene | 14.222 | 152 | 7459 | 0.266 | ng/ul | 98 |
| 11) Acenaphthene | 14.560 | 153 | 6373 | 0.270 | ng/ul | 98 |
| 12) Fluorene | 15.554 | 166 | 6285 | 0.249 | ng/ul | 100 |
| 14) Pentachlorophenol | 16.911 | 266 | 1037 | 0.523 | ng/ul | 94 |
| 15) Phenanthrene | 17.295 | 178 | 8389 | 0.262 | ng/ul | 98 |
| 16) Anthracene | 17.388 | 178 | 6757 | 0.251 | ng/ul | 98 |
| 19) Fluoranthene | 19.315 | 202 | 8170 | 0.285 | ng/ul | 100 |
| 20) Pyrene | 19.678 | 202 | 8490 | 0.277 | ng/ul | 97 |
| 21) Benzo(a)anthracene | 21.431 | 228 | 6525 | 0.286 | ng/ul | 99 |
| 22) Chrysene | 21.483 | 228 | 7217 | 0.278 | ng/ul | 99 |
| 24) Benzo(b)fluoranthene | 23.097 | 252 | 7850 | 0.263 | ng/ul | 93 |
| 25) Benzo(k)fluoranthene | 23.149 | 252 | 7794 | 0.265 | ng/ul# | 92 |
| 26) Benzo(a)pyrene | 23.716 | 252 | 7236 | 0.269 | ng/ul | 90 |
| 27) Indeno(1,2,3-cd)pyrene | 26.280 | 276 | 10499 | 0.280 | ng/ul | 96 |
| 28) Dibenzo(a,h)anthracene | 26.294 | 278 | 8348 | 0.285 | ng/ul | 96 |
| 29) Benzo(g,h,i)perylene | 27.031 | 276 | 9196 | 0.280 | ng/ul | 99 |

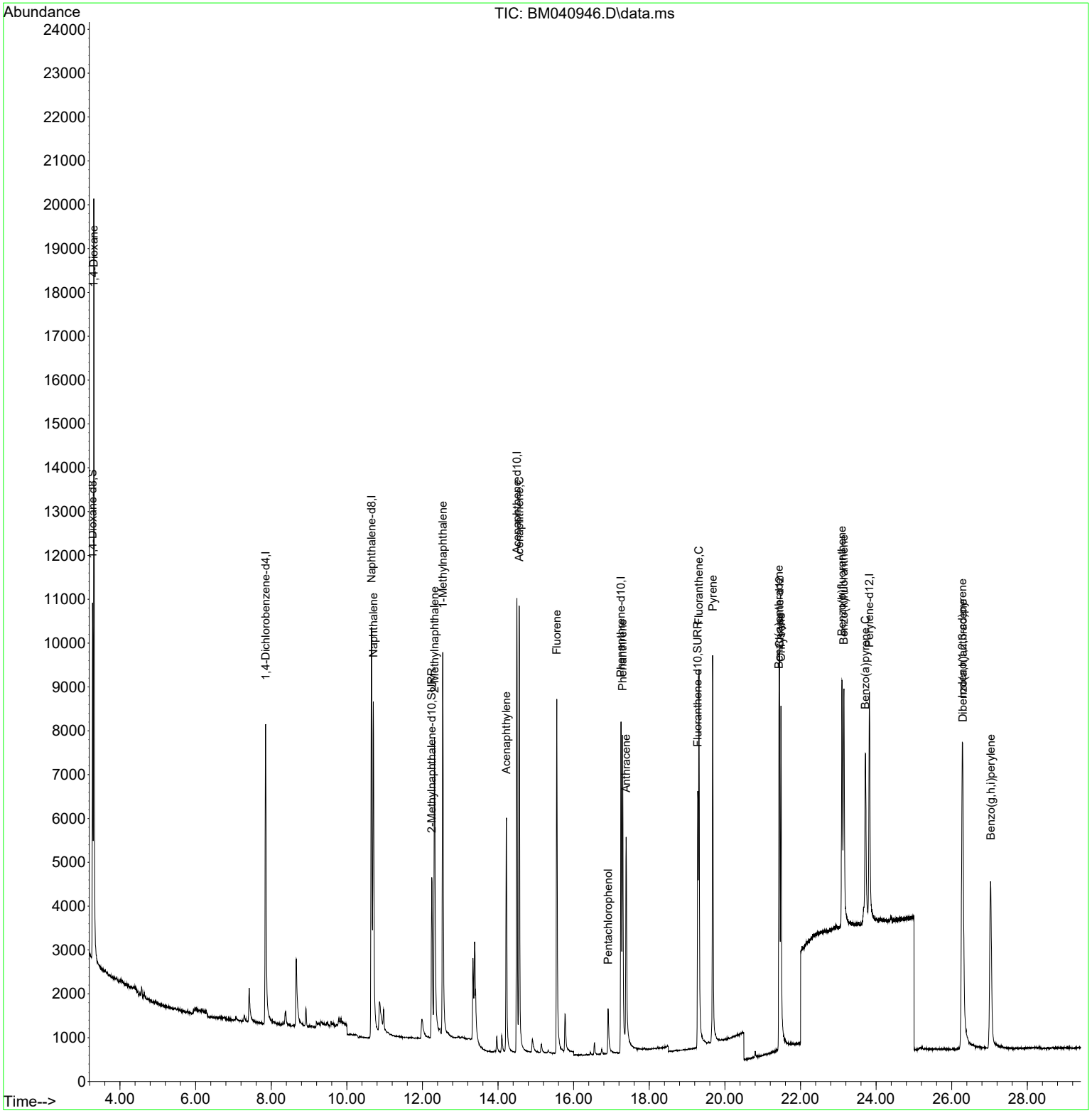
(#) = qualifier out of range (m) = manual integration (+) = signals summed

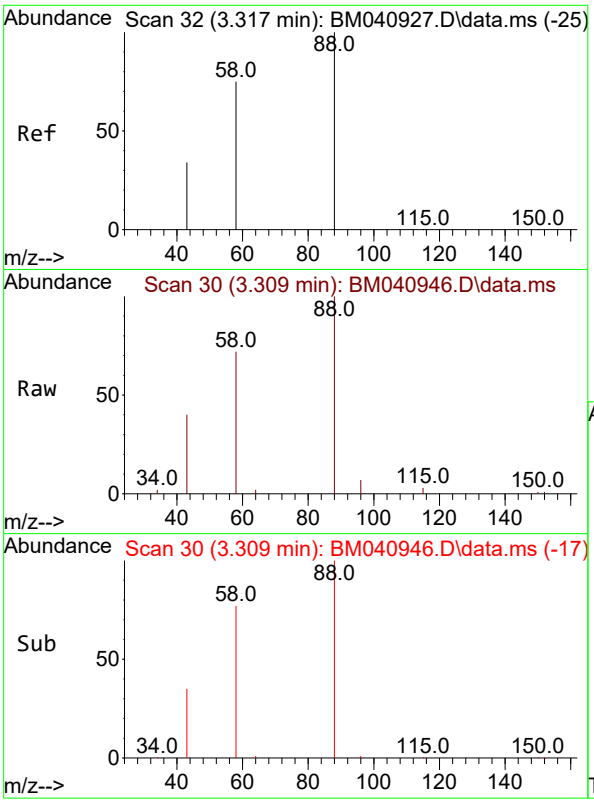
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071723\
Data File : BM040946.D
Acq On : 18 Jul 2023 09:05
Operator : MA/JU
Sample : PB153976BS
Misc :
ALS Vial : 33 Sample Multiplier: 1

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

Quant Time: Jul 18 22:25:48 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 : Tue Jul 18 22:24:09 2023
Response via : Initial Calibration



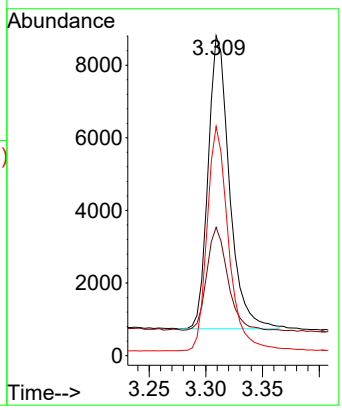


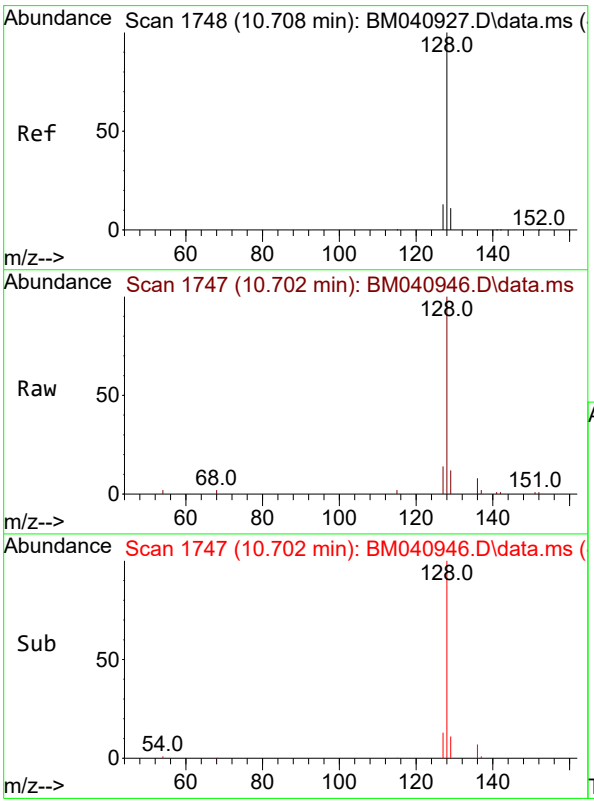

#2
1,4-Dioxane
Concen: 1.456 ng/ul
RT: 3.309 min Scan# 3
Delta R.T. -0.004 min
Lab File: BM040946.D
Acq: 18 Jul 2023 09:05

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

Tgt Ion: 88 Resp: 10548

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 40.1 | 36.1 | 54.1 |
| 58 | 71.7 | 49.8 | 74.8 |

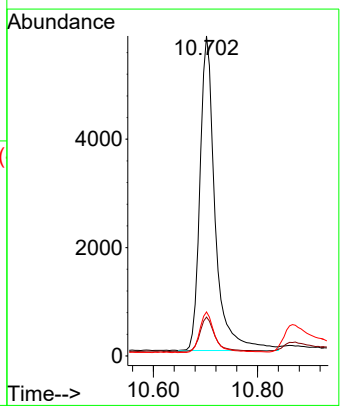


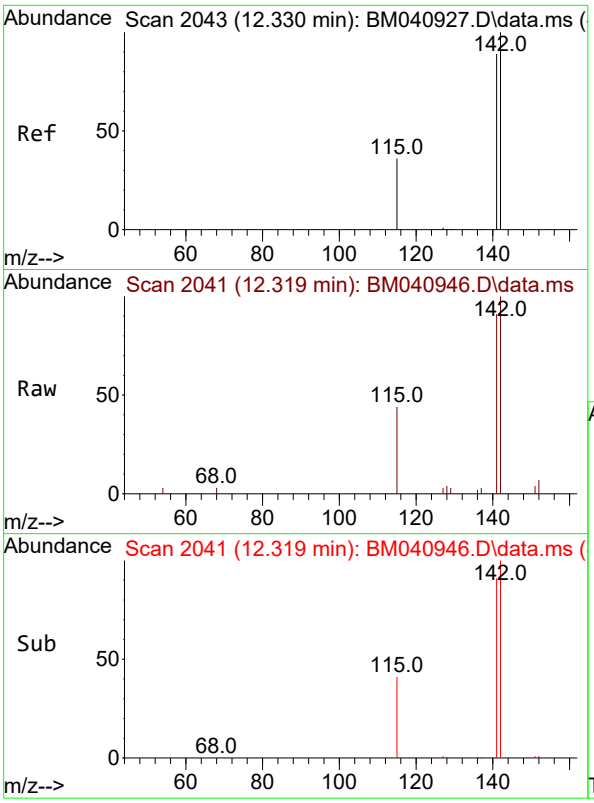




#5
Naphthalene
Concen: 0.280 ng/ul
RT: 10.702 min Scan# 1747
Delta R.T. -0.000 min
Lab File: BM040946.D
Acq: 18 Jul 2023 09:05

Tgt Ion:128 Resp: 11737

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 12.1 | 9.2 | 13.8 |
| 127 | 13.7 | 10.6 | 15.8 |



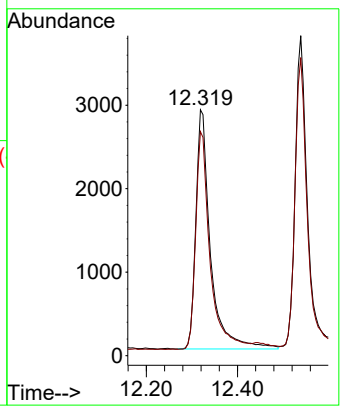


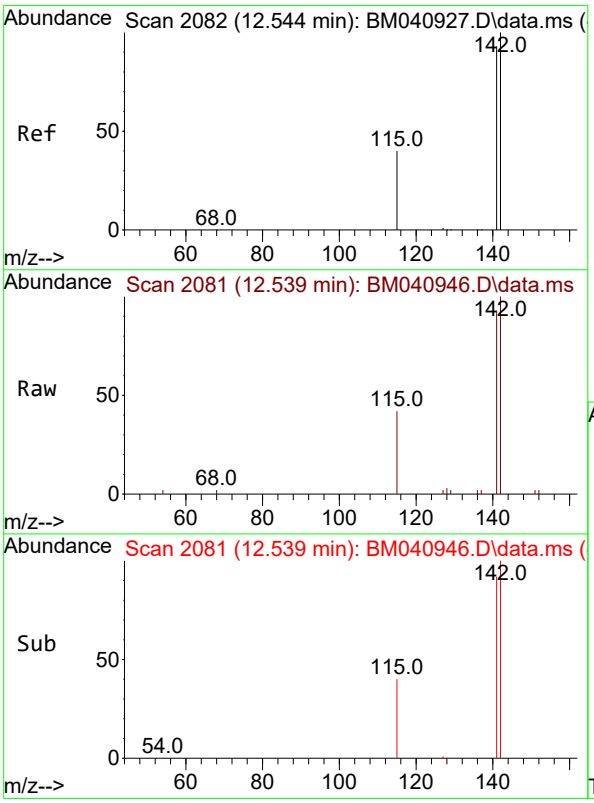

#7
2-Methylnaphthalene
Concen: 0.260 ng/ul
RT: 12.319 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM040946.D
Acq: 18 Jul 2023 09:05

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

Tgt Ion:142 Resp: 6383

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 93.0 | 71.9 | 107.9 |

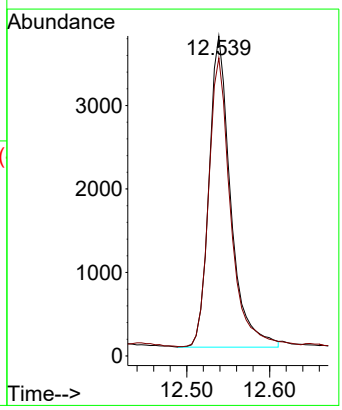


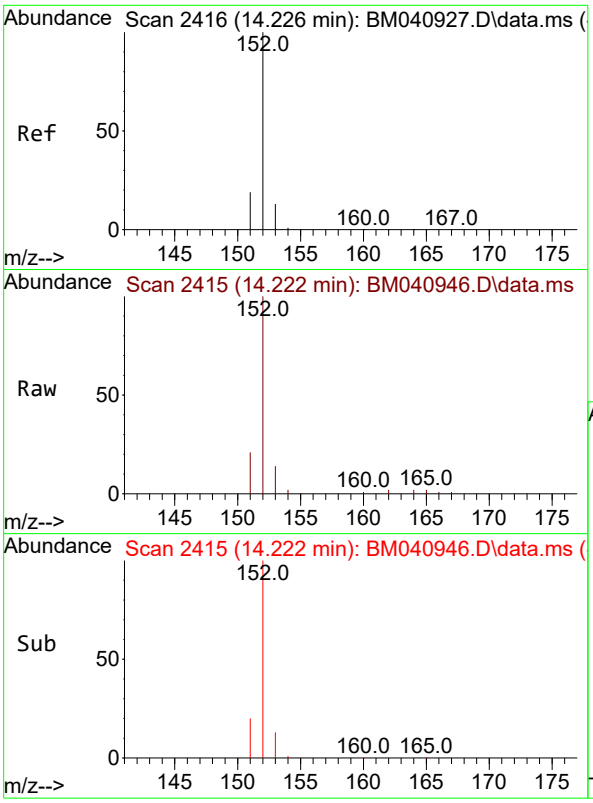




#8
1-Methylnaphthalene
Concen: 0.276 ng/ul
RT: 12.539 min Scan# 2081
Delta R.T. -0.000 min
Lab File: BM040946.D
Acq: 18 Jul 2023 09:05

Tgt Ion:142 Resp: 6780

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 93.7 | 73.7 | 110.5 |



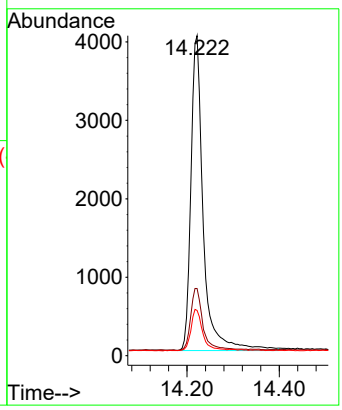


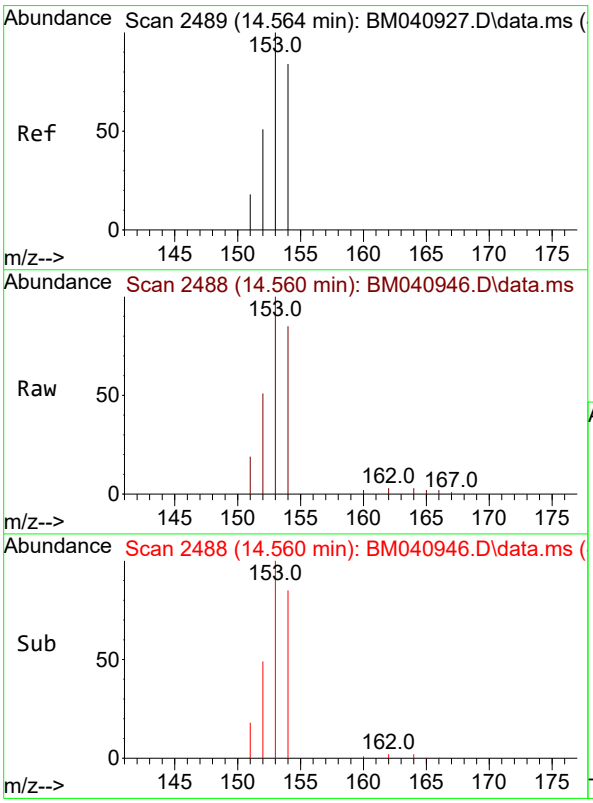

#10
Acenaphthylene
Concen: 0.266 ng/ul
RT: 14.222 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM040946.D
Acq: 18 Jul 2023 09:05

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

Tgt Ion:152 Resp: 7459

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 21.0 | 16.2 | 24.2 |
| 153 | 14.2 | 10.9 | 16.3 |

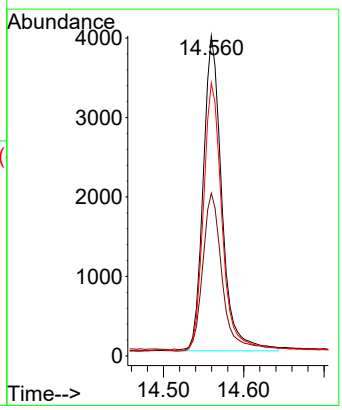


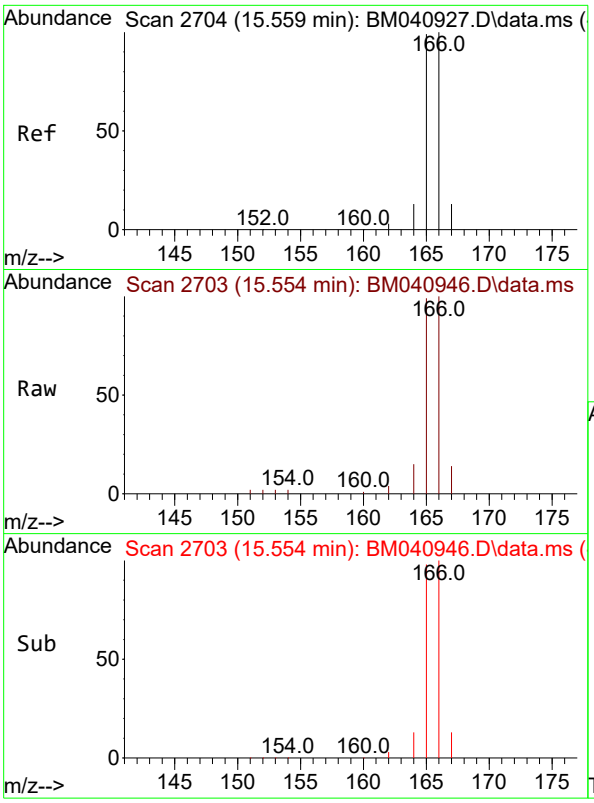




#11
Acenaphthene
Concen: 0.270 ng/ul
RT: 14.560 min Scan# 2488
Delta R.T. -0.000 min
Lab File: BM040946.D
Acq: 18 Jul 2023 09:05

Tgt Ion:153 Resp: 6373

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 50.9 | 41.0 | 61.4 |
| 154 | 85.3 | 70.8 | 106.2 |



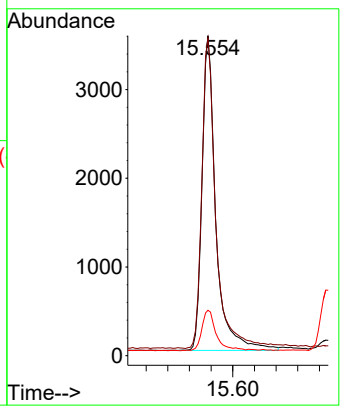


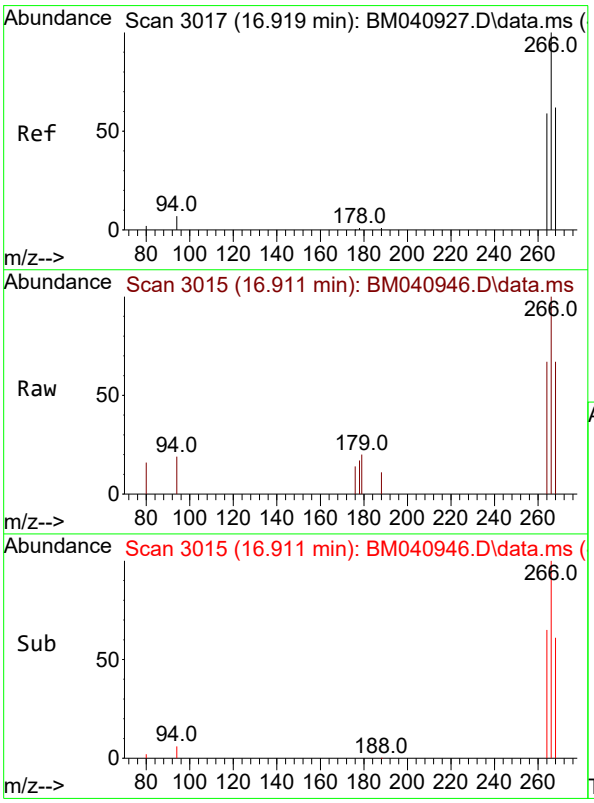

#12
Fluorene
Concen: 0.249 ng/ul
RT: 15.554 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM040946.D
Acq: 18 Jul 2023 09:05

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

Tgt Ion:166 Resp: 6285

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 99.1 | 79.6 | 119.4 |
| 167 | 14.2 | 11.4 | 17.0 |

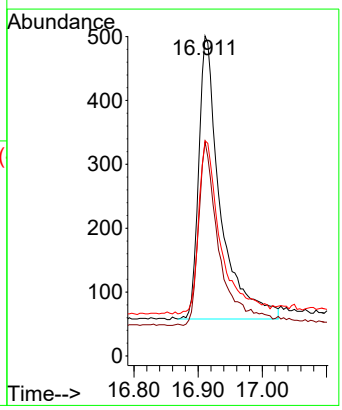


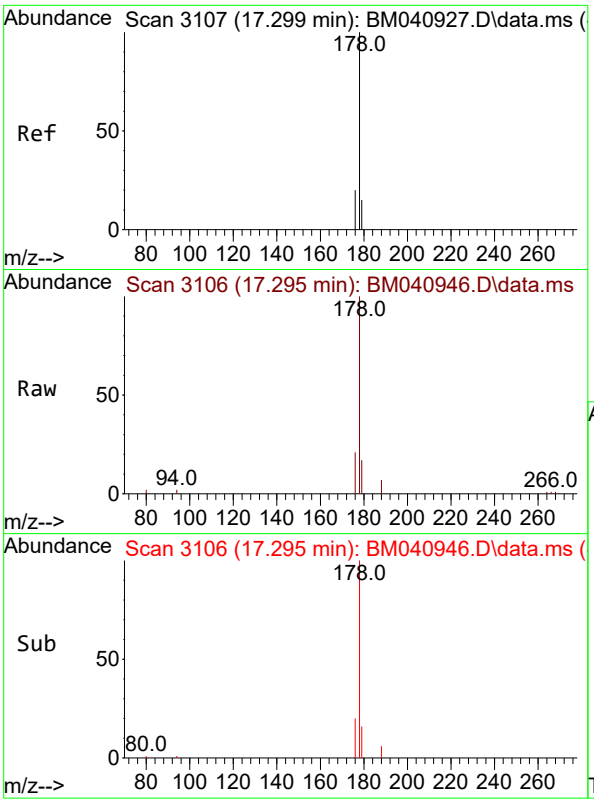




#14
Pentachlorophenol
Concen: 0.523 ng/ul
RT: 16.911 min Scan# 3015
Delta R.T. -0.000 min
Lab File: BM040946.D
Acq: 18 Jul 2023 09:05

Tgt Ion:266 Resp: 1037

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 63.1 | 45.4 | 68.0 |
| 268 | 62.1 | 47.2 | 70.8 |



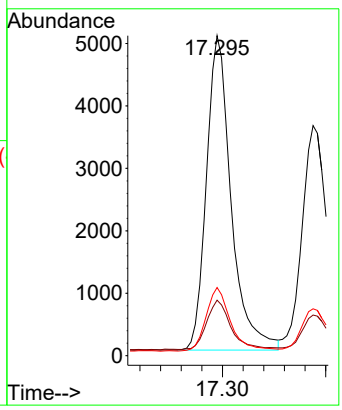


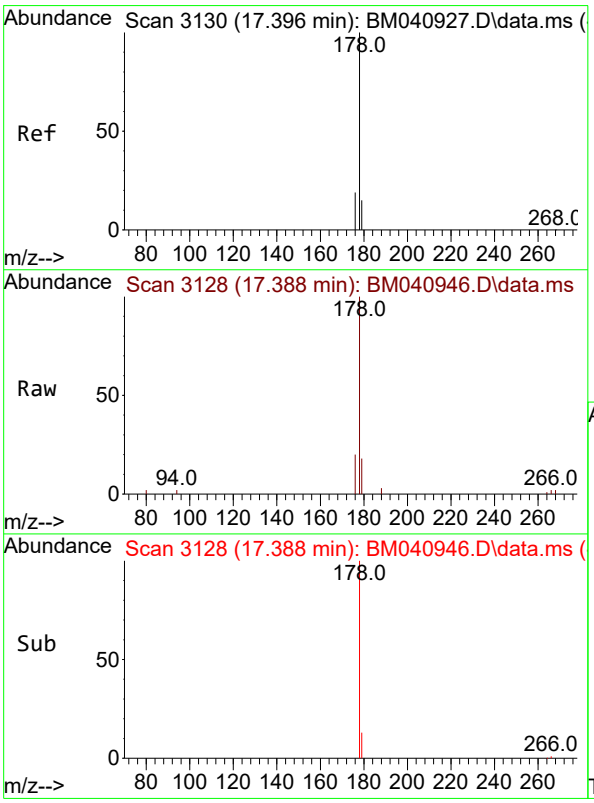

#15
Phenanthrene
Concen: 0.262 ng/ul
RT: 17.295 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM040946.D
Acq: 18 Jul 2023 09:05

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

Tgt Ion:178 Resp: 8389

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 17.3 | 12.8 | 19.2 |
| 176 | 21.3 | 16.4 | 24.6 |

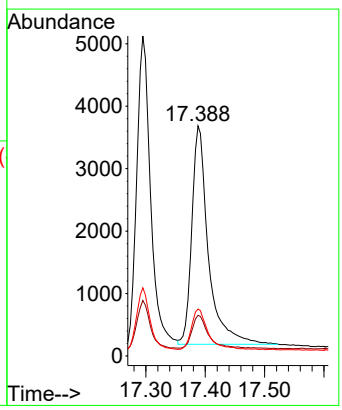


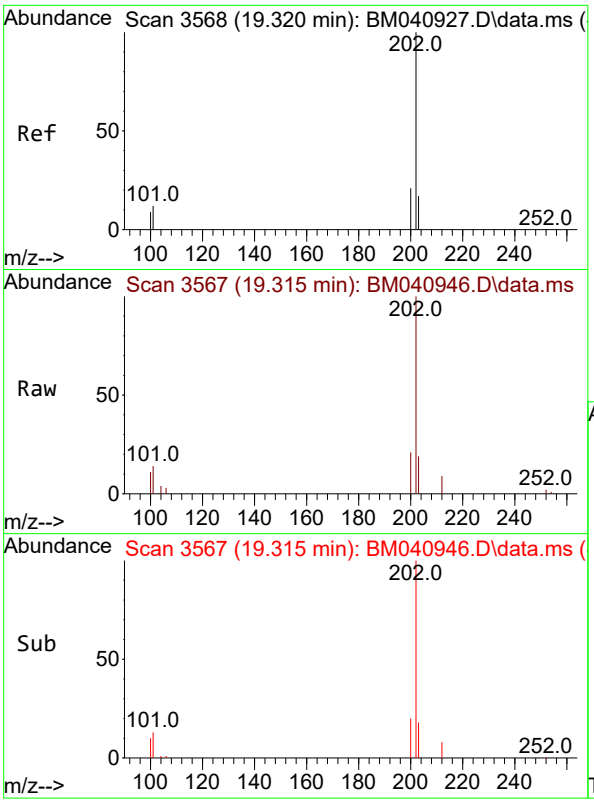




#16
Anthracene
Concen: 0.251 ng/ul
RT: 17.388 min Scan# 3128
Delta R.T. -0.000 min
Lab File: BM040946.D
Acq: 18 Jul 2023 09:05

Tgt Ion:178 Resp: 6757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 17.6 | 12.9 | 19.3 |
| 176 | 20.4 | 15.8 | 23.6 |



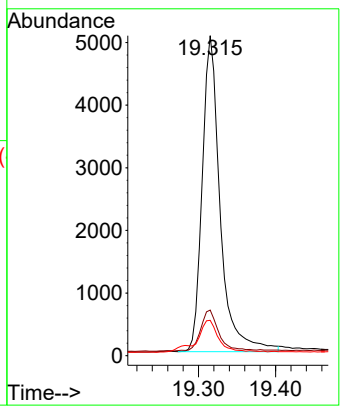


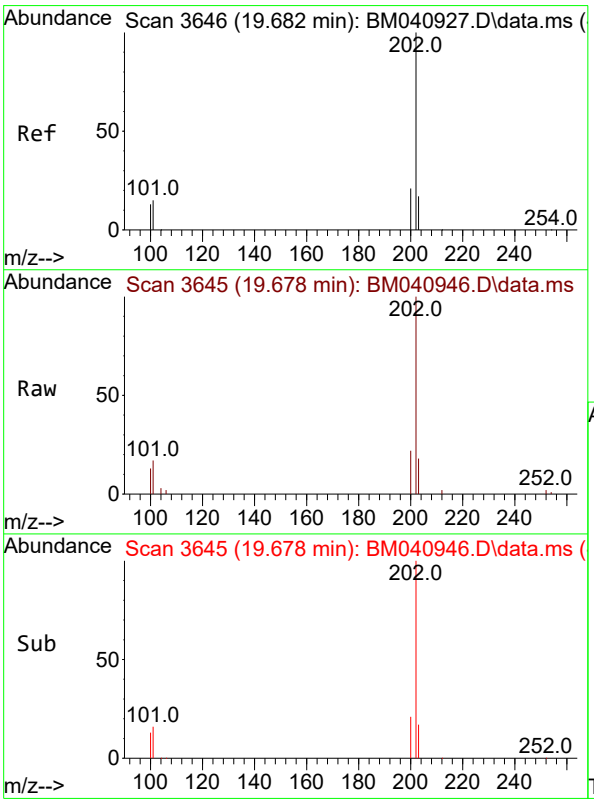

#19
Fluoranthene
Concen: 0.285 ng/ul
RT: 19.315 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM040946.D
Acq: 18 Jul 2023 09:05

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

Tgt Ion:202 Resp: 8170

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 14.3 | 11.4 | 17.0 |
| 100 | 11.1 | 8.7 | 13.1 |

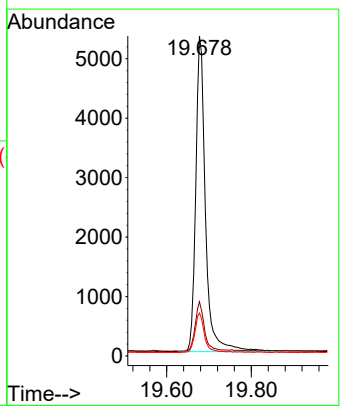


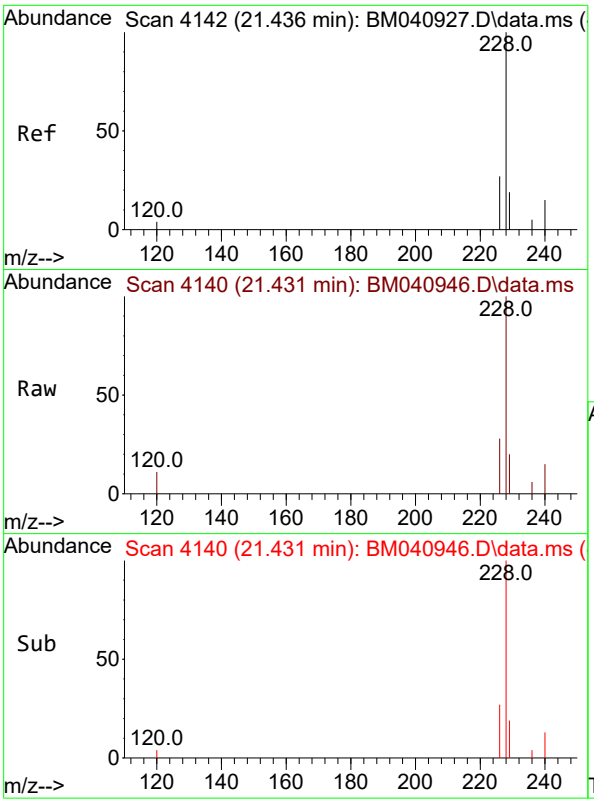




#20
Pyrene
Concen: 0.277 ng/ul
RT: 19.678 min Scan# 3645
Delta R.T. -0.000 min
Lab File: BM040946.D
Acq: 18 Jul 2023 09:05

Tgt Ion:202 Resp: 8490

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 17.0 | 12.6 | 18.8 |
| 100 | 13.4 | 9.8 | 14.6 |



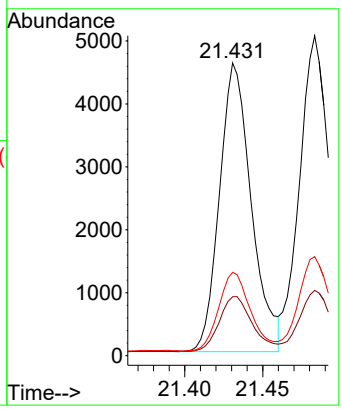


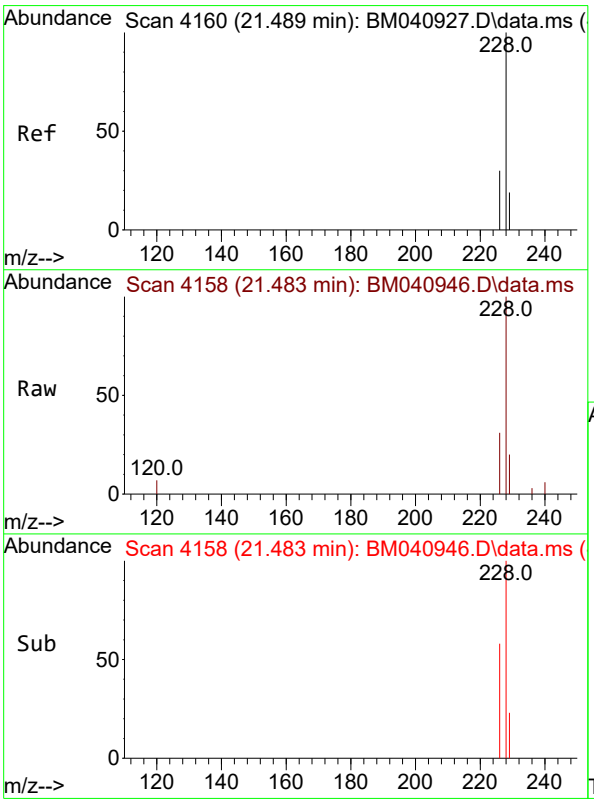

#21
Benzo(a)anthracene
Concen: 0.286 ng/ul
RT: 21.431 min Scan# 4
Delta R.T. 0.003 min
Lab File: BM040946.D
Acq: 18 Jul 2023 09:05

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

Tgt Ion:228 Resp: 6525

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 20.1 | 16.0 | 24.0 |
| 226 | 28.4 | 22.3 | 33.5 |

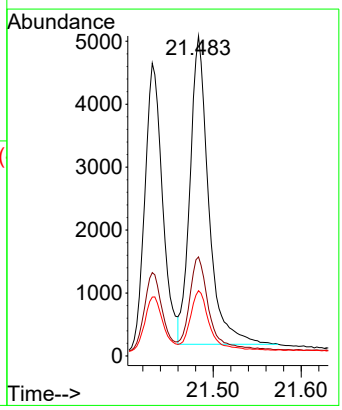


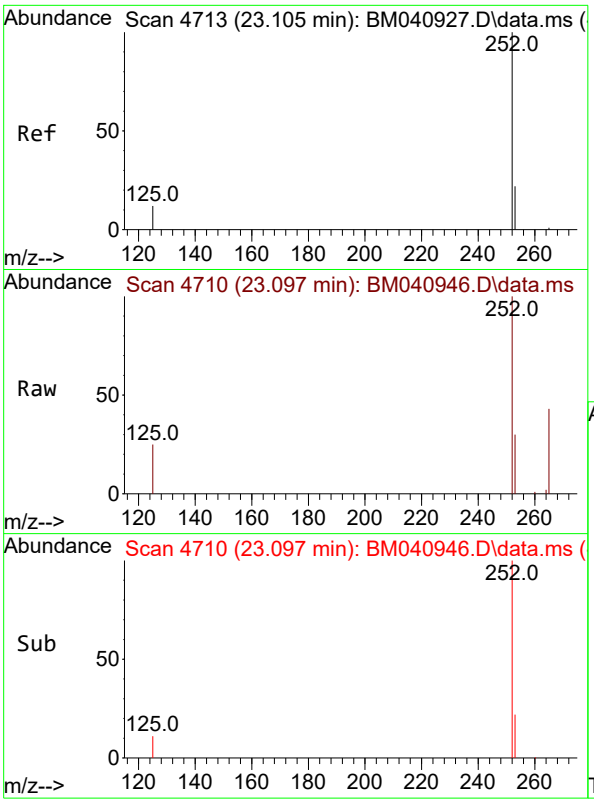




#22
Chrysene
Concen: 0.278 ng/ul
RT: 21.483 min Scan# 4158
Delta R.T. 0.003 min
Lab File: BM040946.D
Acq: 18 Jul 2023 09:05

Tgt Ion:228 Resp: 7217

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.9 | 24.9 | 37.3 |
| 229 | 20.4 | 15.8 | 23.6 |



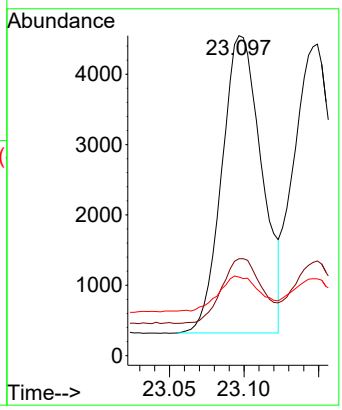


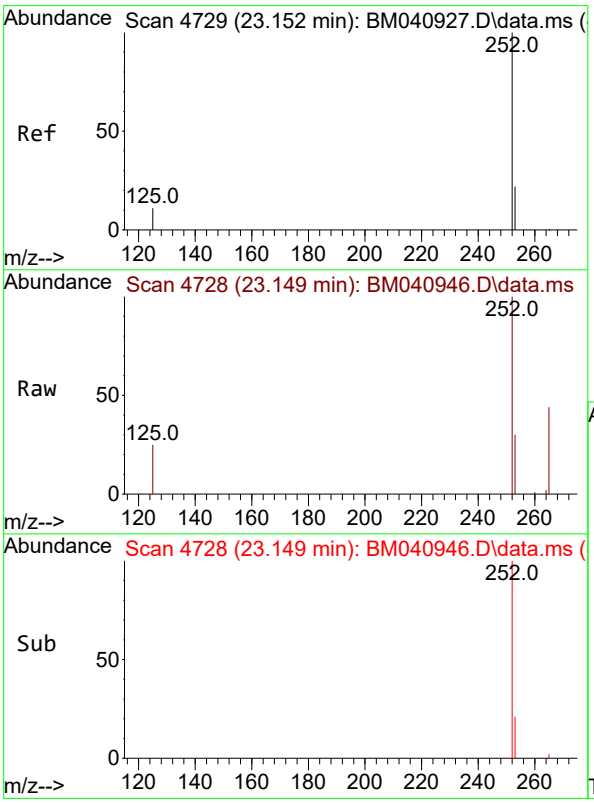

#24
Benzo(b)fluoranthene
Concen: 0.263 ng/ul
RT: 23.097 min Scan# 4
Delta R.T. -0.000 min
Lab File: BM040946.D
Acq: 18 Jul 2023 09:05

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

Tgt Ion:252 Resp: 7850

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 30.3 | 0.0 | 52.8 |
| 125 | 24.6 | 0.0 | 43.0 |

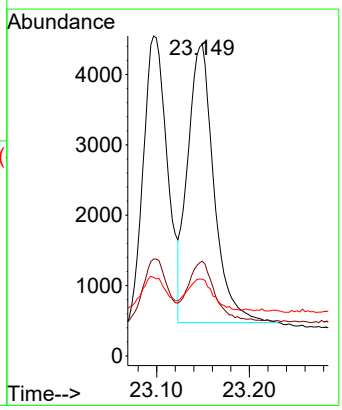


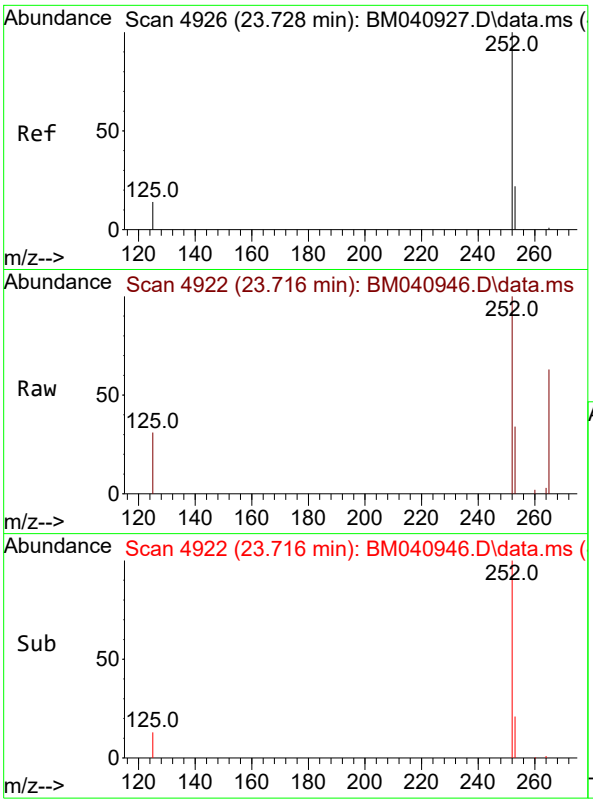




#25
Benzo(k)fluoranthene
Concen: 0.265 ng/ul
RT: 23.149 min Scan# 4728
Delta R.T. 0.009 min
Lab File: BM040946.D
Acq: 18 Jul 2023 09:05

Tgt Ion:252 Resp: 7794

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 30.4 | 21.2 | 31.8 |
| 125 | 24.6 | 16.4 | 24.6# |



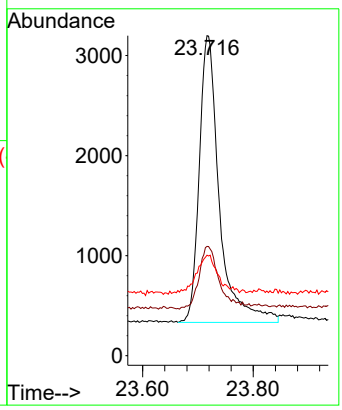


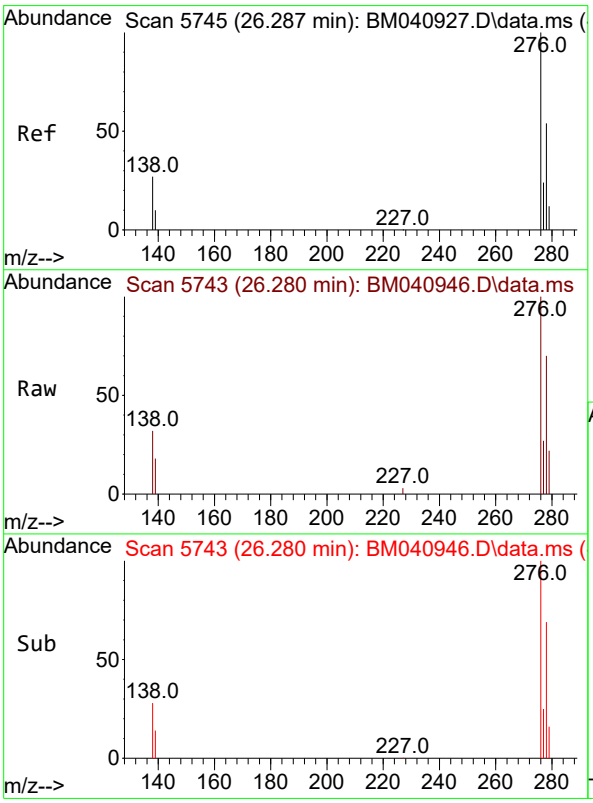

#26
Benzo(a)pyrene
Concen: 0.269 ng/ul
RT: 23.716 min Scan# 4
Delta R.T. 0.003 min
Lab File: BM040946.D
Acq: 18 Jul 2023 09:05

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

Tgt Ion:252 Resp: 7236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 34.1 | 22.9 | 34.3 |
| 125 | 31.4 | 21.0 | 31.4 |

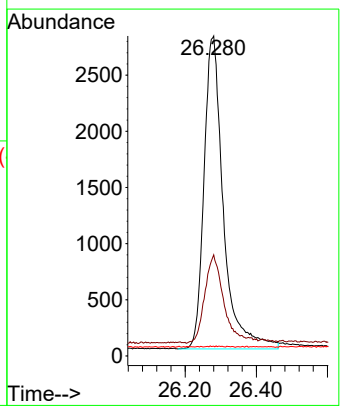


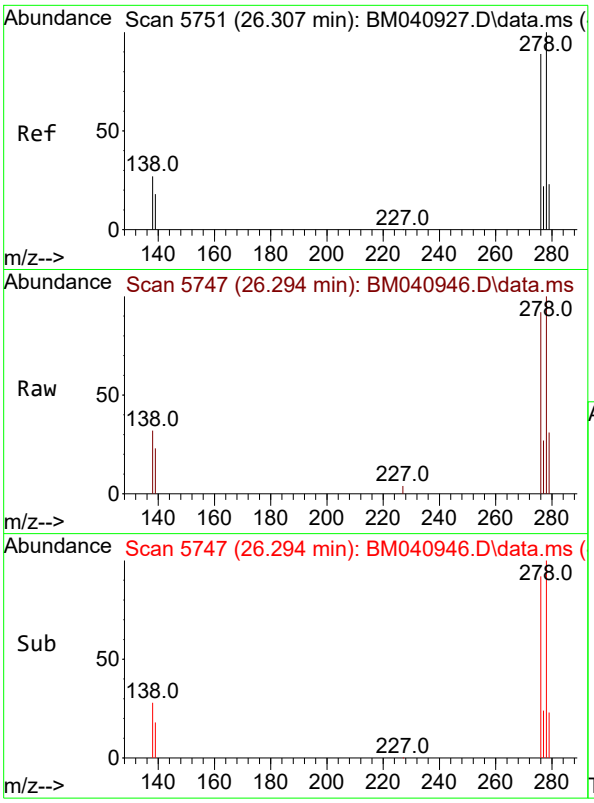




#27
Indeno(1,2,3-cd)pyrene
Concen: 0.280 ng/ul
RT: 26.280 min Scan# 5743
Delta R.T. 0.010 min
Lab File: BM040946.D
Acq: 18 Jul 2023 09:05

Tgt Ion:276 Resp: 10499

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 28.1 | 24.5 | 36.7 |
| 227 | 0.1 | 0.1 | 0.1 |



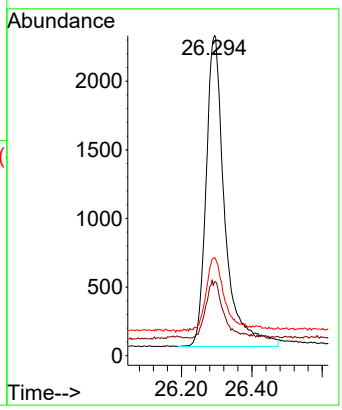


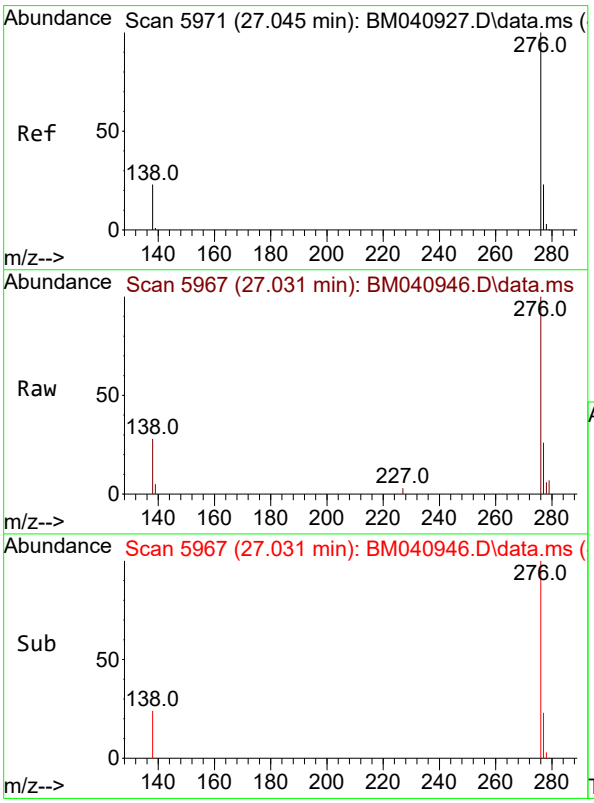

#28
Dibenzo(a,h)anthracene
Concen: 0.285 ng/ul
RT: 26.294 min Scan# 5
Delta R.T. 0.010 min
Lab File: BM040946.D
Acq: 18 Jul 2023 09:05

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

Tgt Ion:278 Resp: 8348

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 23.0 | 17.9 | 26.9 |
| 279 | 30.7 | 22.0 | 33.0 |




#29
Benzo(g,h,i)perylene
Concen: 0.280 ng/ul
RT: 27.031 min Scan# 5967
Delta R.T. 0.010 min
Lab File: BM040946.D
Acq: 18 Jul 2023 09:05

Tgt Ion:276 Resp: 9196

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 27.9 | 23.0 | 34.6 |
| 277 | 26.0 | 20.3 | 30.5 |