Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041024\
Data File : BM045094.D
Acq On : 10 Apr 2024 11:57
Operator : MA/JU
Sample : P2013-16MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
E0MC0MSD

Quant Time: Apr 10 12:40:35 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM040424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 10 11:09:26 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.635 | 152 | 1488 | 0.400 | ng/ul | 0.00 |
| 4) Naphthalene-d8 | 10.418 | 136 | 4693 | 0.400 | ng/ul | 0.00 |
| 9) Acenaphthene-d10 | 14.280 | 164 | 2479 | 0.400 | ng/ul | 0.00 |
| 13) Phenanthrene-d10 | 17.044 | 188 | 4926 | 0.400 | ng/ul | -0.01 |
| 17) Chrysene-d12 | 21.251 | 240 | 3839 | 0.400 | ng/ul | 0.00 |
| 23) Perylene-d12 | 23.466 | 264 | 4725 | 0.400 | ng/ul | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.217 | 96 | 427 | 0.218 | ng/ul | 0.00 |
| 6) 2-Methylnaphthalene-d10 | 12.019 | 152 | 1801 | 0.283 | ng/ul | -0.01 |
| 18) Fluoranthene-d10 | 19.076 | 212 | 4678 | 0.482 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.243 | 88 | 1325 | 0.707 | ng/ul# | 90 |
| 5) Naphthalene | 10.468 | 128 | 3788 | 0.304 | ng/ul | 97 |
| 7) 2-Methylnaphthalene | 12.096 | 142 | 2332 | 0.314 | ng/ul | 99 |
| 8) 1-Methylnaphthalene | 12.305 | 142 | 2430 | 0.299 | ng/ul | 99 |
| 10) Acenaphthylene | 14.002 | 152 | 3977 | 0.322 | ng/ul | 97 |
| 11) Acenaphthene | 14.340 | 153 | 2909 | 0.329 | ng/ul | 98 |
| 12) Fluorene | 15.348 | 166 | 3187 | 0.321 | ng/ul | 98 |
| 14) Pentachlorophenol | 16.702 | 266 | 985 | 0.853 | ng/ul | 97 |
| 15) Phenanthrene | 17.086 | 178 | 5375 | 0.388 | ng/ul | 98 |
| 16) Anthracene | 17.183 | 178 | 5222 | 0.382 | ng/ul | 96 |
| 19) Fluoranthene | 19.109 | 202 | 6957 | 0.507 | ng/ul | 99 |
| 20) Pyrene | 19.476 | 202 | 7277 | 0.502 | ng/ul | 99 |
| 21) Benzo(a)anthracene | 21.236 | 228 | 5543 | 0.415 | ng/ul | 98 |
| 22) Chrysene | 21.286 | 228 | 7197 | 0.431 | ng/ul | 98 |
| 24) Benzo(b)fluoranthene | 22.802 | 252 | 7056 | 0.413 | ng/ul | 96 |
| 25) Benzo(k)fluoranthene | 22.852 | 252 | 8025 | 0.420 | ng/ul | 94 |
| 26) Benzo(a)pyrene | 23.375 | 252 | 6675 | 0.410 | ng/ul# | 92 |
| 27) Indeno(1,2,3-cd)pyrene | 25.708 | 276 | 9029 | 0.404 | ng/ul# | 100 |
| 28) Dibenzo(a,h)anthracene | 25.728 | 278 | 6955 | 0.393 | ng/ul | 94 |
| 29) Benzo(g,h,i)perylene | 26.382 | 276 | 8160 | 0.424 | ng/ul | 96 |

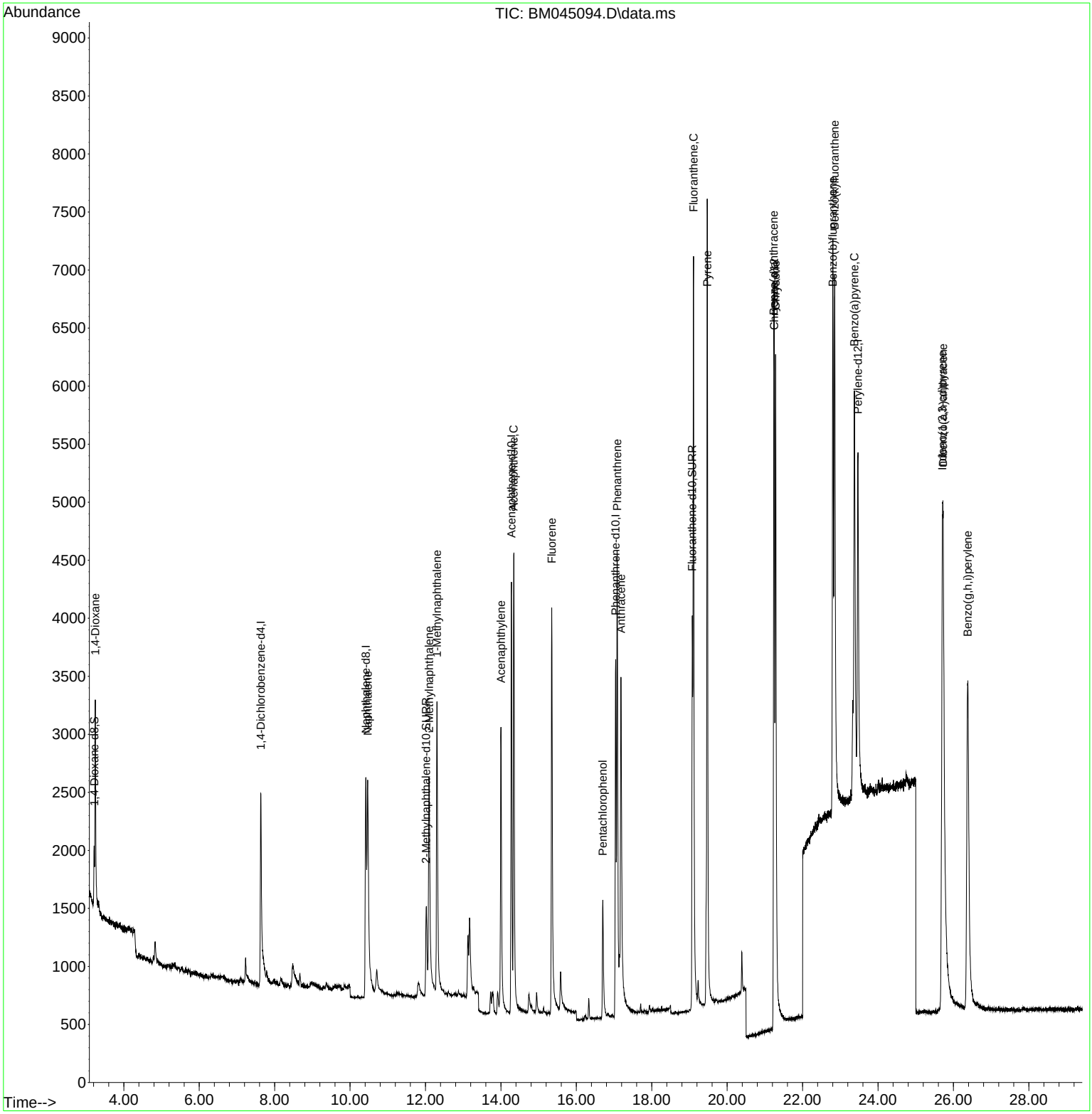
(#) = qualifier out of range (m) = manual integration (+) = signals summed

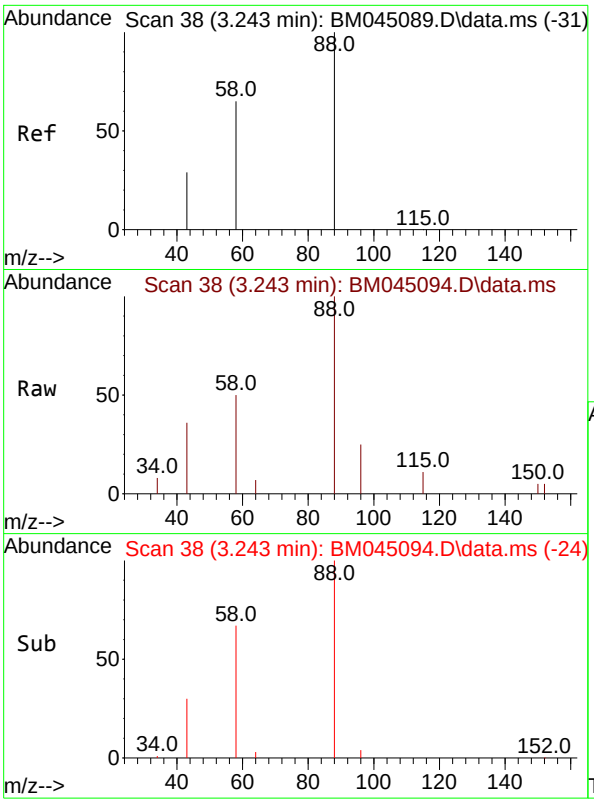
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041024\
Data File : BM045094.D
Acq On : 10 Apr 2024 11:57
Operator : MA/JU
Sample : P2013-16MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
E0MC0MSD

Quant Time: Apr 10 12:40:35 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM040424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 10 11:09:26 2024
Response via : Initial Calibration



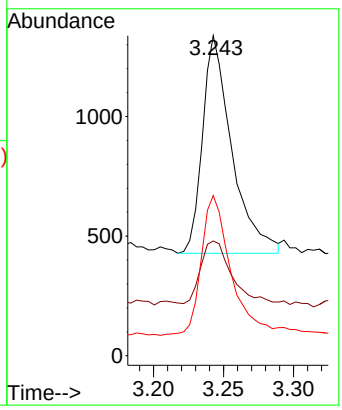


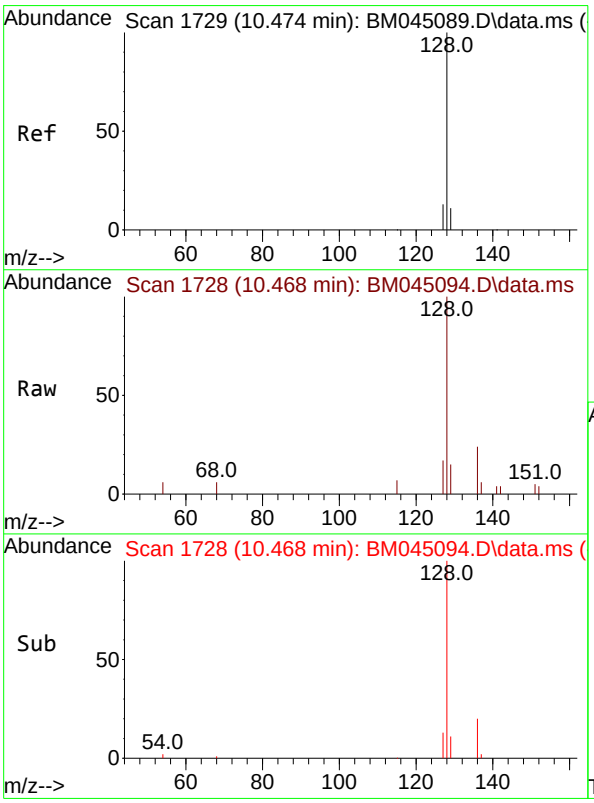

#2
1,4-Dioxane
Concen: 0.707 ng/ul
RT: 3.243 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM045094.D
Acq: 10 Apr 2024 11:57

**Instrument :**
BNA_M
**ClientSampleId :**
E0MC0MSD

Tgt Ion: 88 Resp: 1325

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 35.9 | 30.6 | 46.0 |
| 58 | 50.1 | 32.6 | 48.8# |

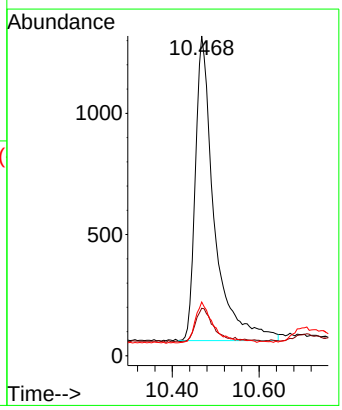


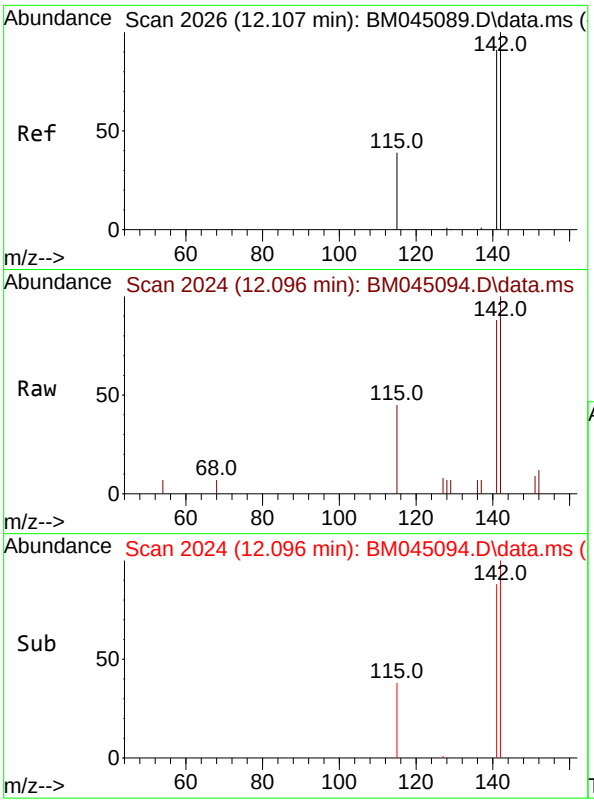




#5
Naphthalene
Concen: 0.304 ng/ul
RT: 10.468 min Scan# 1728
Delta R.T. -0.006 min
Lab File: BM045094.D
Acq: 10 Apr 2024 11:57

Tgt Ion:128 Resp: 3788

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 14.9 | 11.3 | 16.9 |
| 127 | 16.8 | 11.9 | 17.9 |



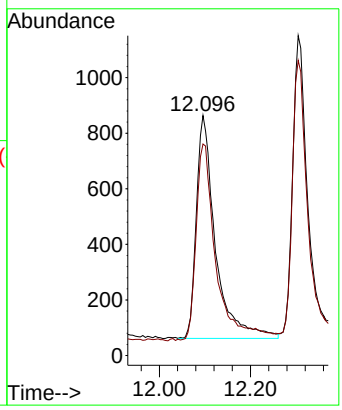


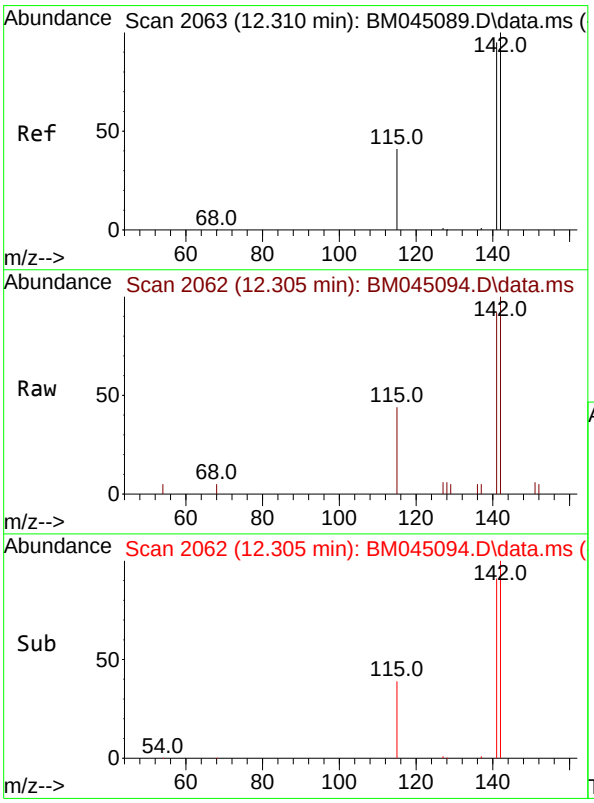

#7
2-Methylnaphthalene
Concen: 0.314 ng/ul
RT: 12.096 min Scan# 2
Delta R.T. -0.011 min
Lab File: BM045094.D
Acq: 10 Apr 2024 11:57

**Instrument :**
BNA_M
**ClientSampleId :**
E0MC0MSD

Tgt Ion:142 Resp: 2332

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.8 | 73.8 | 110.8 |

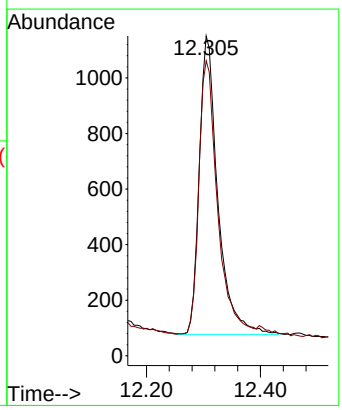


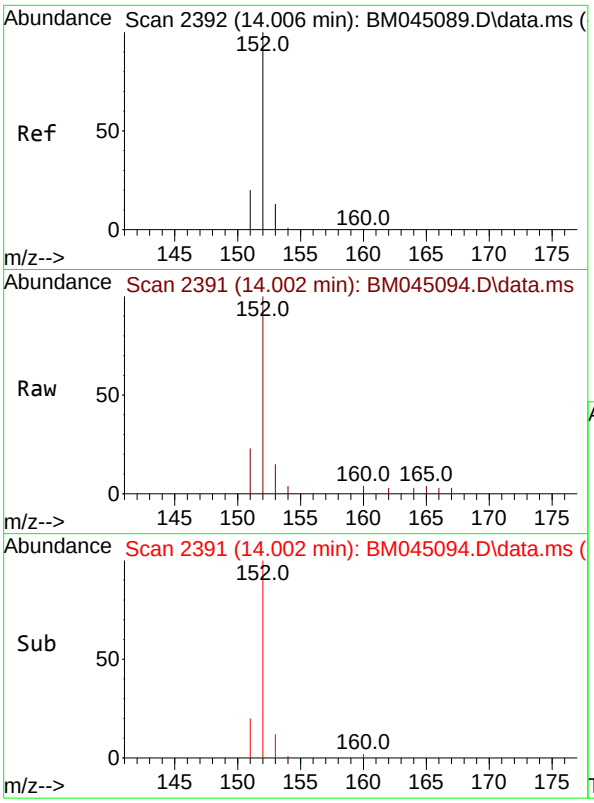




#8
1-Methylnaphthalene
Concen: 0.299 ng/ul
RT: 12.305 min Scan# 2062
Delta R.T. -0.006 min
Lab File: BM045094.D
Acq: 10 Apr 2024 11:57

Tgt Ion:142 Resp: 2430

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.3 | 74.2 | 111.2 |



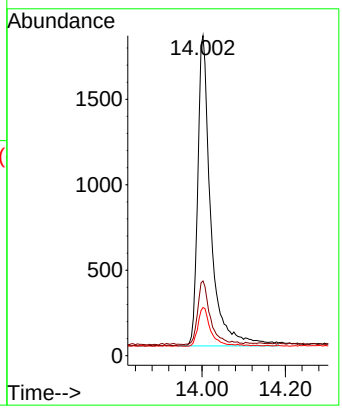


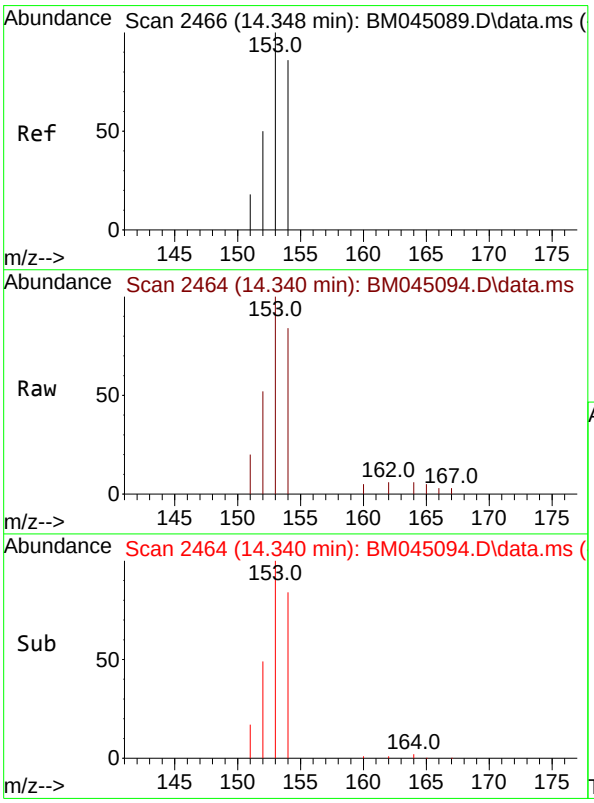

#10
Acenaphthylene
Concen: 0.322 ng/ul
RT: 14.002 min Scan# 2
Delta R.T. -0.004 min
Lab File: BM045094.D
Acq: 10 Apr 2024 11:57

**Instrument :**
BNA_M
**ClientSampleId :**
E0MC0MSD

Tgt Ion:152 Resp: 3977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 23.3 | 17.0 | 25.4 |
| 153 | 15.1 | 11.9 | 17.9 |

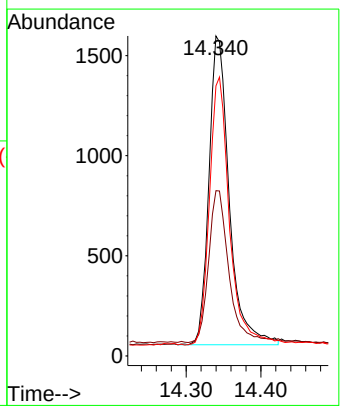


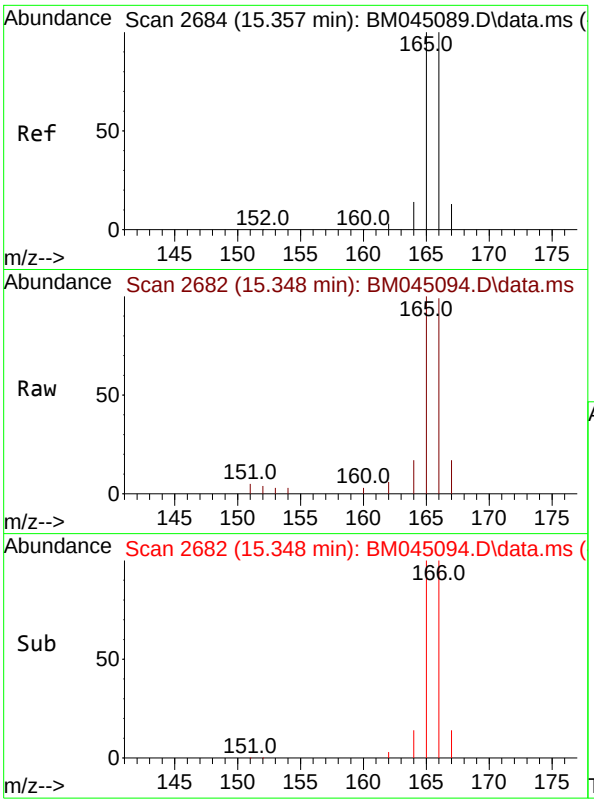




#11
Acenaphthene
Concen: 0.329 ng/ul
RT: 14.340 min Scan# 2464
Delta R.T. -0.009 min
Lab File: BM045094.D
Acq: 10 Apr 2024 11:57

Tgt Ion:153 Resp: 2909

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 51.6 | 41.2 | 61.8 |
| 154 | 84.4 | 69.4 | 104.0 |



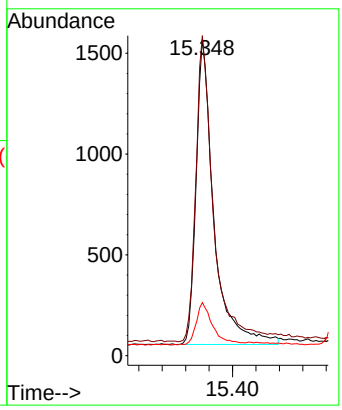


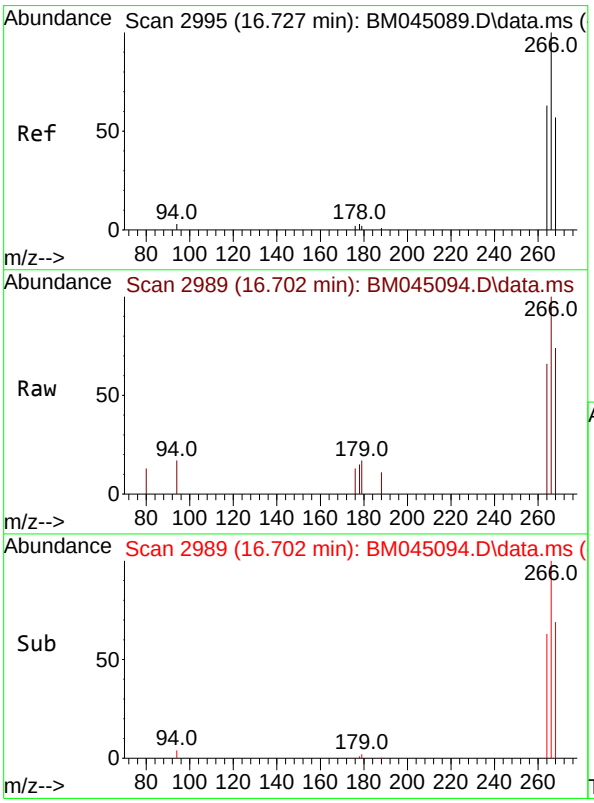

#12
Fluorene
Concen: 0.321 ng/ul
RT: 15.348 min Scan# 2
Delta R.T. -0.009 min
Lab File: BM045094.D
Acq: 10 Apr 2024 11:57

**Instrument :**
BNA_M
**ClientSampleId :**
E0MC0MSD

Tgt Ion:166 Resp: 3187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 101.1 | 79.9 | 119.9 |
| 167 | 16.8 | 12.2 | 18.2 |

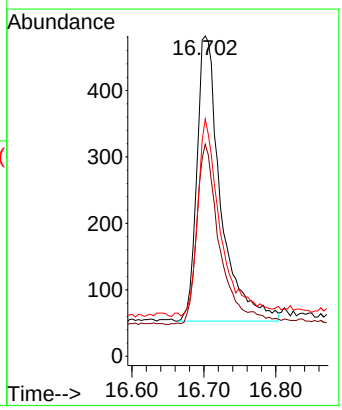


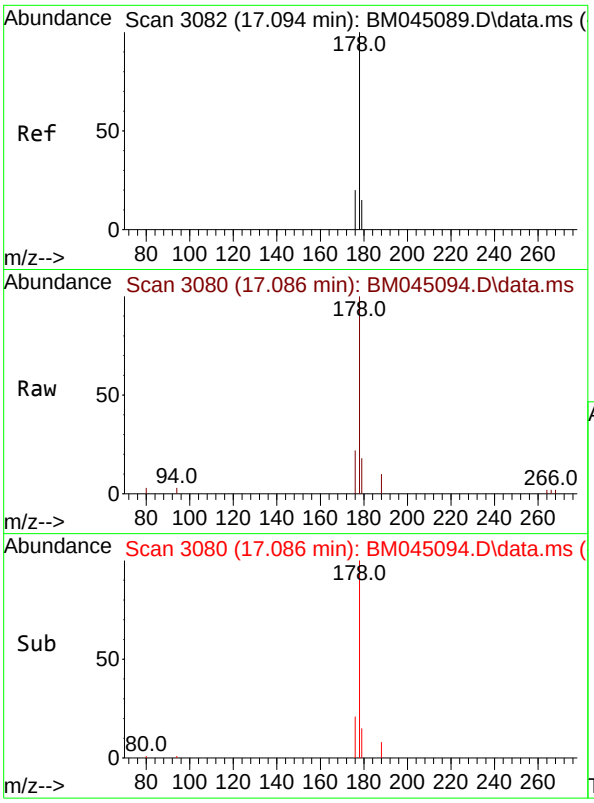




#14
Pentachlorophenol
Concen: 0.853 ng/ul
RT: 16.702 min Scan# 2989
Delta R.T. -0.025 min
Lab File: BM045094.D
Acq: 10 Apr 2024 11:57

Tgt Ion:266 Resp: 985

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 62.5 | 48.3 | 72.5 |
| 268 | 68.8 | 52.6 | 79.0 |



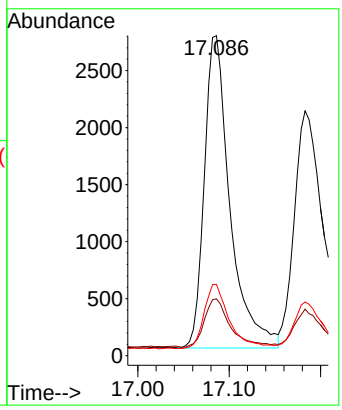


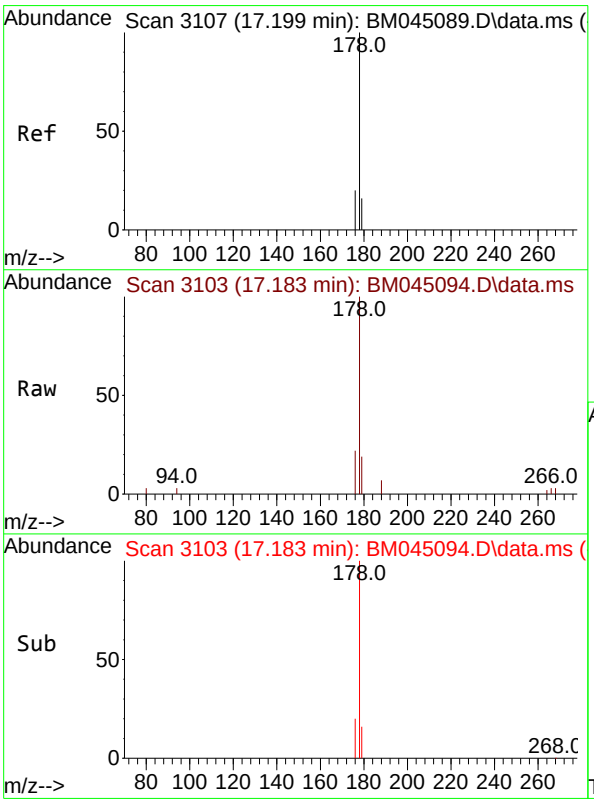

#15
Phenanthrene
Concen: 0.388 ng/ul
RT: 17.086 min Scan# 3
Delta R.T. -0.008 min
Lab File: BM045094.D
Acq: 10 Apr 2024 11:57

**Instrument :**
BNA_M
**ClientSampleId :**
E0MC0MSD

Tgt Ion:178 Resp: 5375

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 17.7 | 13.7 | 20.5 |
| 176 | 22.3 | 17.0 | 25.4 |

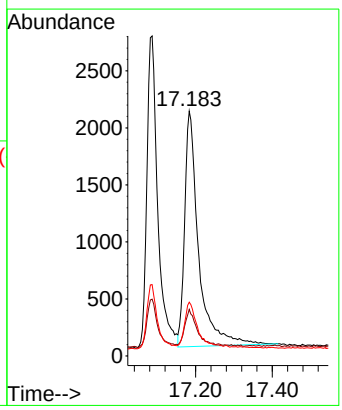


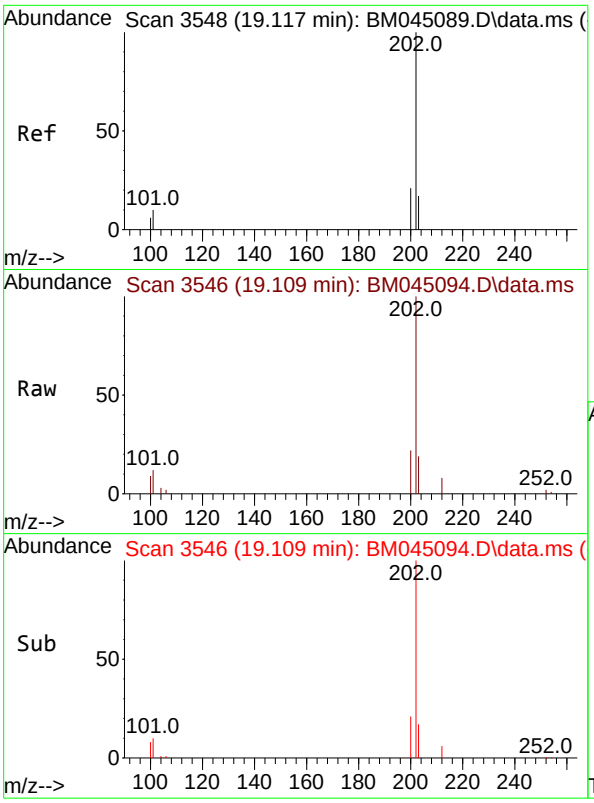




#16
Anthracene
Concen: 0.382 ng/ul
RT: 17.183 min Scan# 3103
Delta R.T. -0.016 min
Lab File: BM045094.D
Acq: 10 Apr 2024 11:57

Tgt Ion:178 Resp: 5222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 19.1 | 13.8 | 20.8 |
| 176 | 22.0 | 16.2 | 24.4 |



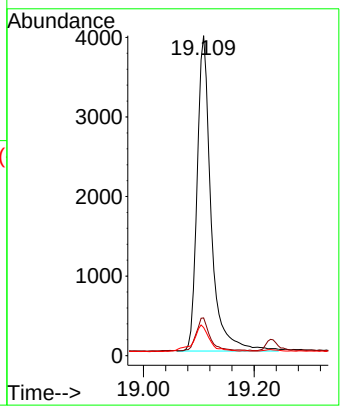


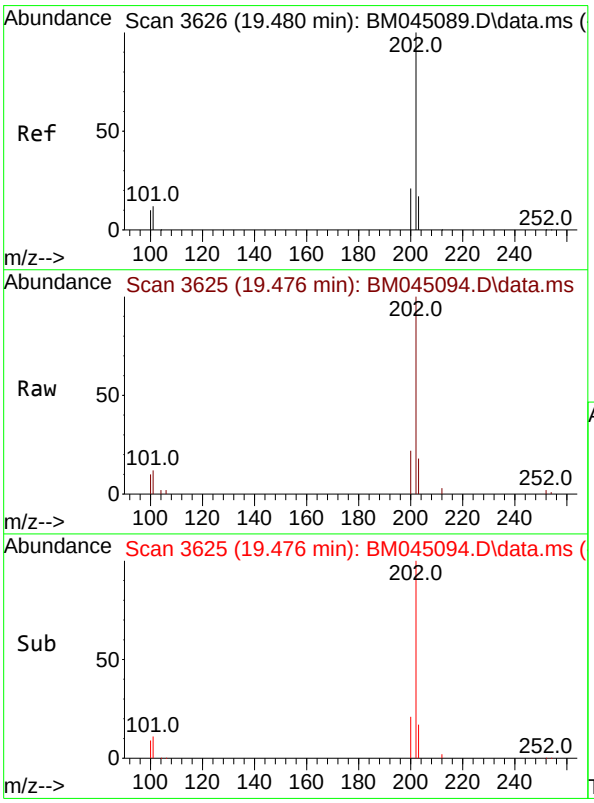

#19
Fluoranthene
Concen: 0.507 ng/ul
RT: 19.109 min Scan# 3
Delta R.T. -0.009 min
Lab File: BM045094.D
Acq: 10 Apr 2024 11:57

**Instrument :**
BNA_M
**ClientSampleId :**
E0MC0MSD

Tgt Ion:202 Resp: 6957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.8 | 8.8 | 13.2 |
| 100 | 8.8 | 7.0 | 10.4 |

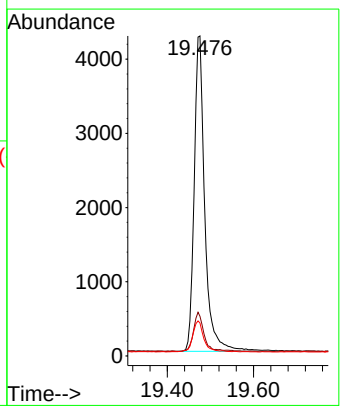


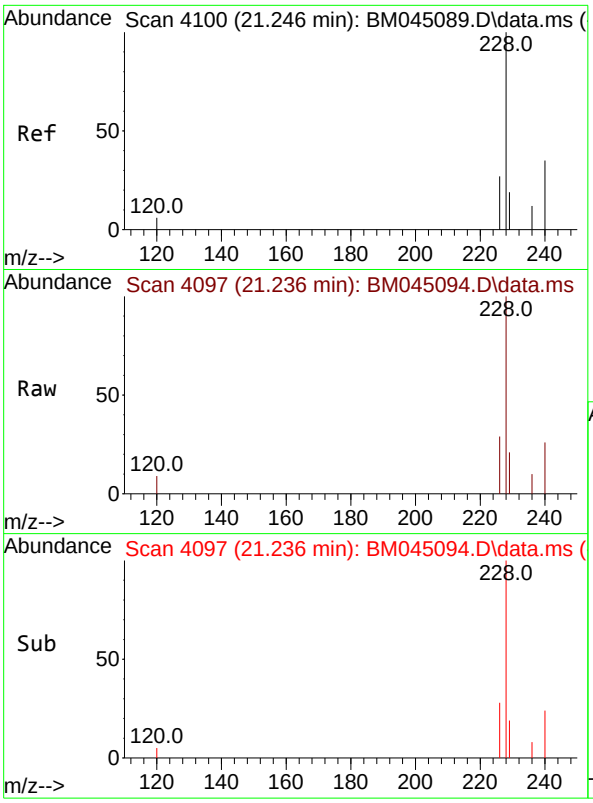




#20
Pyrene
Concen: 0.502 ng/ul
RT: 19.476 min Scan# 3625
Delta R.T. -0.004 min
Lab File: BM045094.D
Acq: 10 Apr 2024 11:57

Tgt Ion:202 Resp: 7277

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.4 | 9.8 | 14.6 |
| 100 | 10.3 | 8.1 | 12.1 |



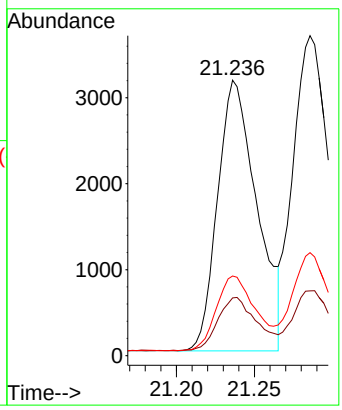


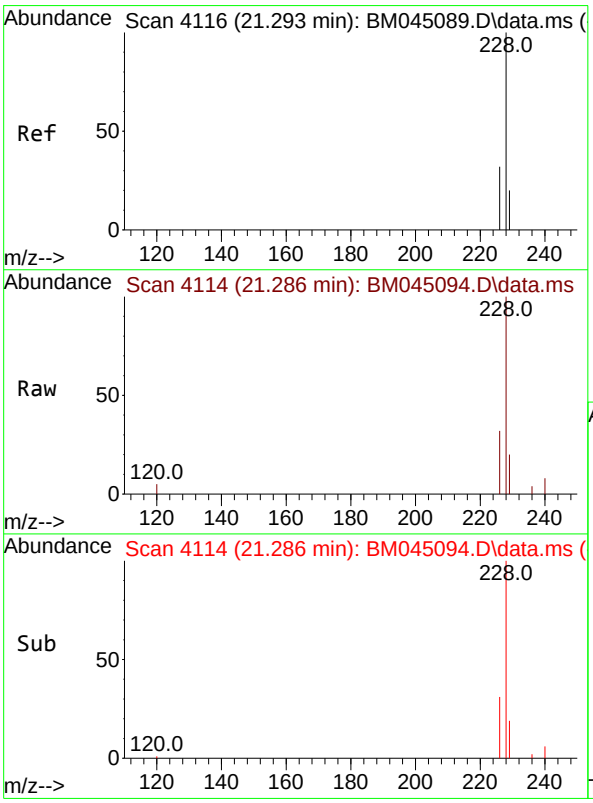

#21
Benzo(a)anthracene
Concen: 0.415 ng/ul
RT: 21.236 min Scan# 4
Delta R.T. -0.010 min
Lab File: BM045094.D
Acq: 10 Apr 2024 11:57

**Instrument :**
BNA_M
**ClientSampleId :**
E0MC0MSD

Tgt Ion:228 Resp: 5543

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 20.9 | 16.4 | 24.6 |
| 226 | 28.9 | 22.3 | 33.5 |

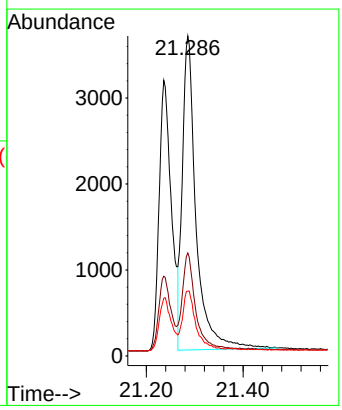


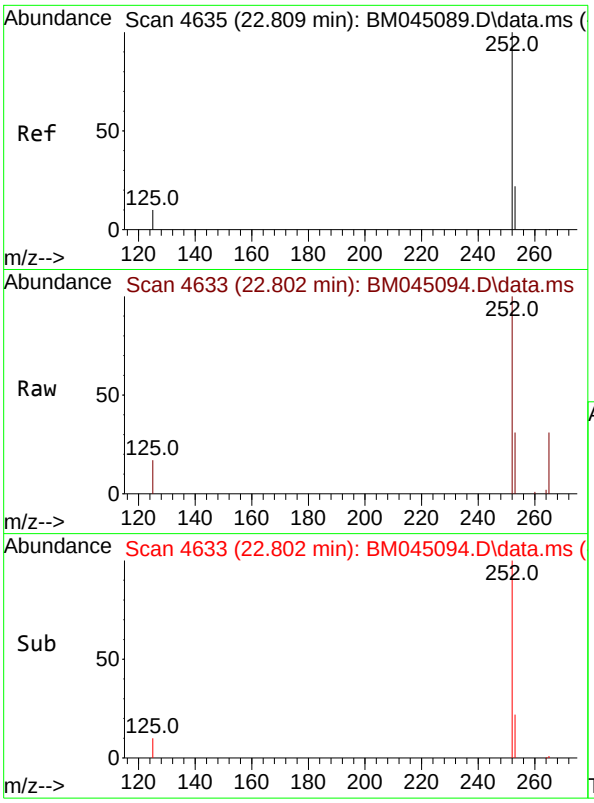




#22
Chrysene
Concen: 0.431 ng/ul
RT: 21.286 min Scan# 4114
Delta R.T. -0.007 min
Lab File: BM045094.D
Acq: 10 Apr 2024 11:57

Tgt Ion:228 Resp: 7197

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 32.2 | 24.9 | 37.3 |
| 229 | 20.3 | 15.9 | 23.9 |



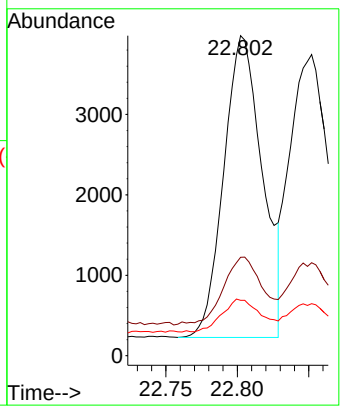


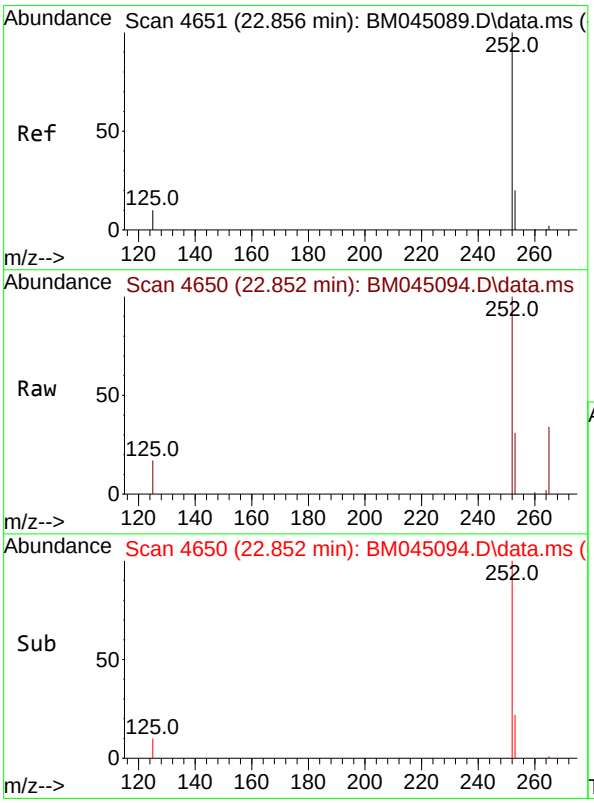

#24
Benzo(b)fluoranthene
Concen: 0.413 ng/ul
RT: 22.802 min Scan# 4
Delta R.T. -0.007 min
Lab File: BM045094.D
Acq: 10 Apr 2024 11:57

**Instrument :**
BNA_M
**ClientSampleId :**
E0MC0MSD

Tgt Ion:252 Resp: 7056

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 30.8 | 0.0 | 56.4 |
| 125 | 17.3 | 0.0 | 33.4 |

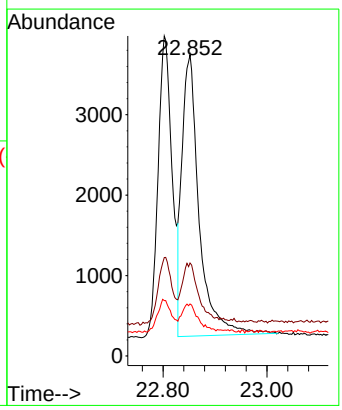


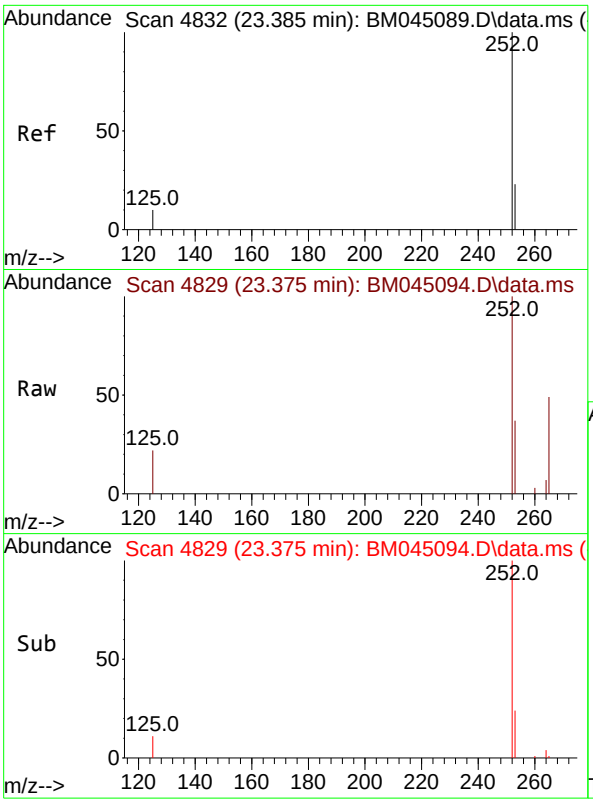




#25
Benzo(k)fluoranthene
Concen: 0.420 ng/ul
RT: 22.852 min Scan# 4650
Delta R.T. -0.004 min
Lab File: BM045094.D
Acq: 10 Apr 2024 11:57

Tgt Ion:252 Resp: 8025

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 30.9 | 22.3 | 33.5 |
| 125 | 17.3 | 11.6 | 17.4 |



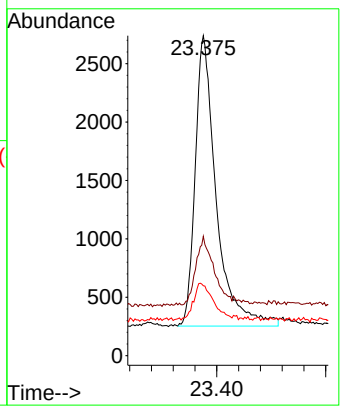


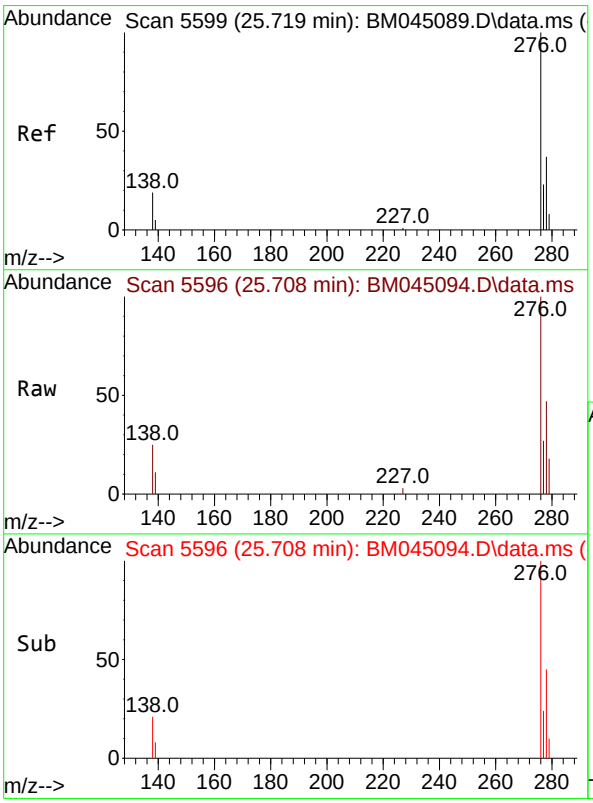

#26
Benzo(a)pyrene
Concen: 0.410 ng/ul
RT: 23.375 min Scan# 4
Delta R.T. -0.010 min
Lab File: BM045094.D
Acq: 10 Apr 2024 11:57

**Instrument :**
BNA_M
**ClientSampleId :**
E0MC0MSD

Tgt Ion:252 Resp: 6675

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 37.3 | 24.6 | 37.0# |
| 125 | 21.9 | 18.2 | 27.4 |

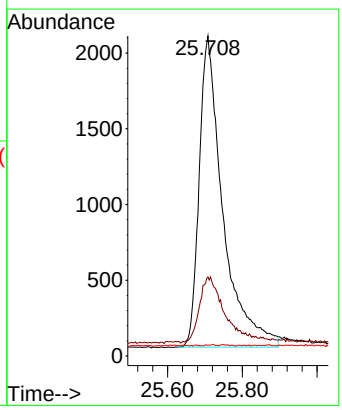


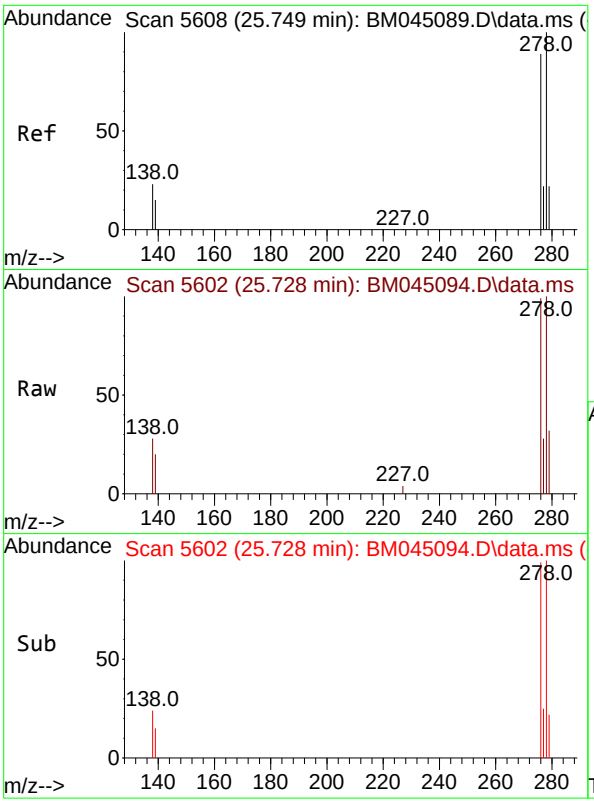




#27
Indeno(1,2,3-cd)pyrene
Concen: 0.404 ng/ul
RT: 25.708 min Scan# 5596
Delta R.T. -0.011 min
Lab File: BM045094.D
Acq: 10 Apr 2024 11:57

Tgt Ion:276 Resp: 9029

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 23.2 | 0.0 | 0.0# |
| 227 | 0.1 | 0.1 | 0.1# |



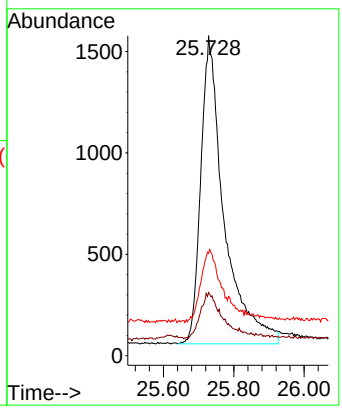


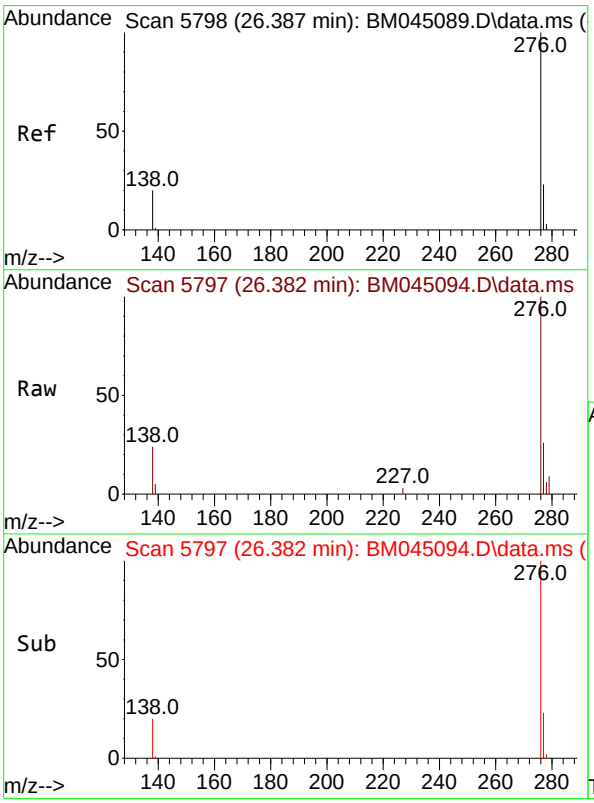

#28
Dibenzo(a,h)anthracene
Concen: 0.393 ng/ul
RT: 25.728 min Scan# 5
Delta R.T. -0.021 min
Lab File: BM045094.D
Acq: 10 Apr 2024 11:57

**Instrument :**
BNA_M
**ClientSampleId :**
E0MC0MSD

Tgt Ion:278 Resp: 6955

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 19.8 | 13.6 | 20.4 |
| 279 | 32.0 | 23.0 | 34.4 |




#29
Benzo(g,h,i)perylene
Concen: 0.424 ng/ul
RT: 26.382 min Scan# 5797
Delta R.T. -0.004 min
Lab File: BM045094.D
Acq: 10 Apr 2024 11:57

Tgt Ion:276 Resp: 8160

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 23.8 | 16.8 | 25.2 |
| 277 | 26.2 | 20.3 | 30.5 |