Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021725\
Data File : BM049672.D
Acq On : 17 Feb 2025 19:18
Operator : RC/JU
Sample : PB166623BS
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SLCS623

Quant Time: Feb 19 11:33:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM021225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 12 16:40:36 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.809 | 152 | 7211 | 0.400 | ng/ul | 0.00 |
| 4) Naphthalene-d8 | 10.601 | 136 | 20191 | 0.400 | ng/ul | 0.00 |
| 9) Acenaphthene-d10 | 14.447 | 164 | 11806 | 0.400 | ng/ul | 0.00 |
| 13) Phenanthrene-d10 | 17.188 | 188 | 24542 | 0.400 | ng/ul | 0.00 |
| 17) Chrysene-d12 | 21.365 | 240 | 18478 | 0.400 | ng/ul | 0.00 |
| 23) Perylene-d12 | 23.650 | 264 | 20506 | 0.400 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.257 | 96 | 5987 | 0.738 | ng/ul | 0.00 |
| 6) 2-Methylnaphthalene-d10 | 12.196 | 152 | 11848 | 0.427 | ng/ul | 0.00 |
| 18) Fluoranthene-d10 | 19.211 | 212 | 22373 | 0.398 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.290 | 88 | 16599 | 1.893 | ng/ul# | 84 |
| 5) Naphthalene | 10.651 | 128 | 19278 | 0.385 | ng/ul | 99 |
| 7) 2-Methylnaphthalene | 12.267 | 142 | 12503 | 0.384 | ng/ul | 99 |
| 8) 1-Methylnaphthalene | 12.487 | 142 | 12783 | 0.387 | ng/ul | 100 |
| 10) Acenaphthylene | 14.164 | 152 | 18438 | 0.368 | ng/ul | 99 |
| 11) Acenaphthene | 14.507 | 153 | 13514 | 0.370 | ng/ul | 100 |
| 12) Fluorene | 15.497 | 166 | 15503 | 0.372 | ng/ul | 98 |
| 14) Pentachlorophenol | 16.842 | 266 | 3663 | 0.728 | ng/ul | 97 |
| 15) Phenanthrene | 17.226 | 178 | 24749 | 0.377 | ng/ul | 100 |
| 16) Anthracene | 17.319 | 178 | 22443 | 0.373 | ng/ul | 99 |
| 19) Fluoranthene | 19.244 | 202 | 27224 | 0.357 | ng/ul | 99 |
| 20) Pyrene | 19.606 | 202 | 28677 | 0.364 | ng/ul | 99 |
| 21) Benzo(a)anthracene | 21.347 | 228 | 24129 | 0.381 | ng/ul | 99 |
| 22) Chrysene | 21.400 | 228 | 25126 | 0.374 | ng/ul | 99 |
| 24) Benzo(b)fluoranthene | 22.961 | 252 | 26463 | 0.387 | ng/ul | 97 |
| 25) Benzo(k)fluoranthene | 23.007 | 252 | 27987 | 0.364 | ng/ul | 98 |
| 26) Benzo(a)pyrene | 23.548 | 252 | 24033 | 0.390 | ng/ul | 97 |
| 27) Indeno(1,2,3-cd)pyrene | 25.973 | 276 | 34212 | 0.392 | ng/ul | 100 |
| 28) Dibenzo(a,h)anthracene | 25.993 | 278 | 26268 | 0.396 | ng/ul | 99 |
| 29) Benzo(g,h,i)perylene | 26.681 | 276 | 27461 | 0.391 | ng/ul | 100 |

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

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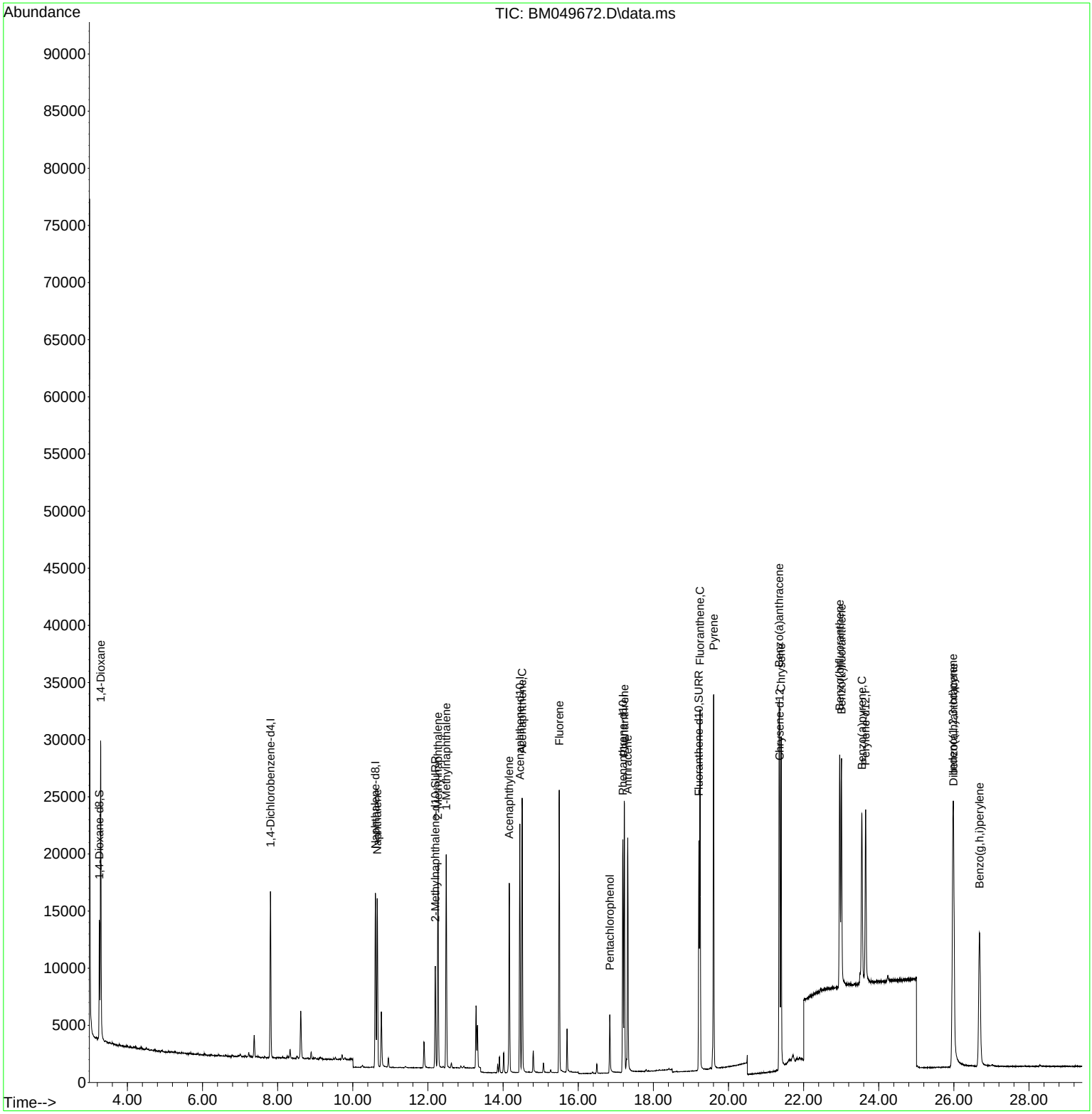
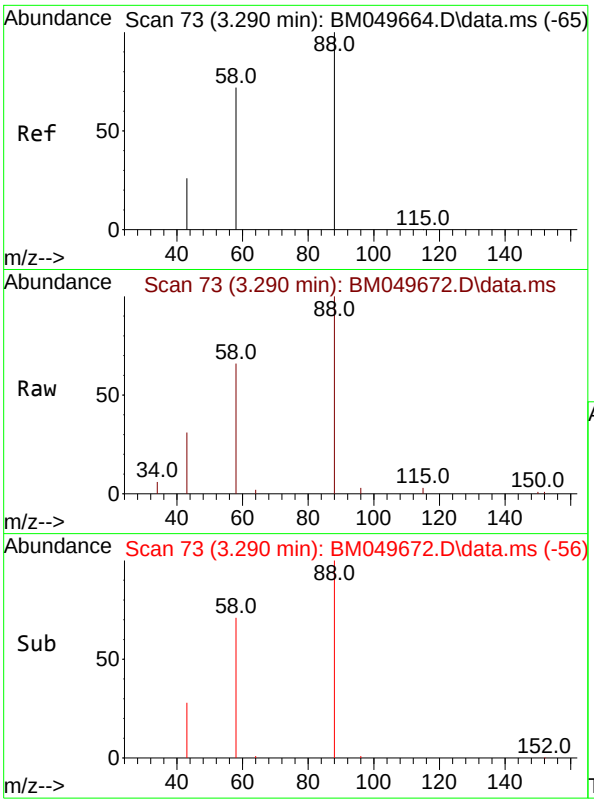
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SLCS623

Quant Time: Feb 19 11:33:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM021225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 12 16:40:36 2025
Response via : Initial Calibration



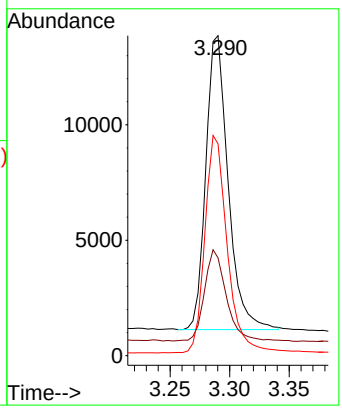


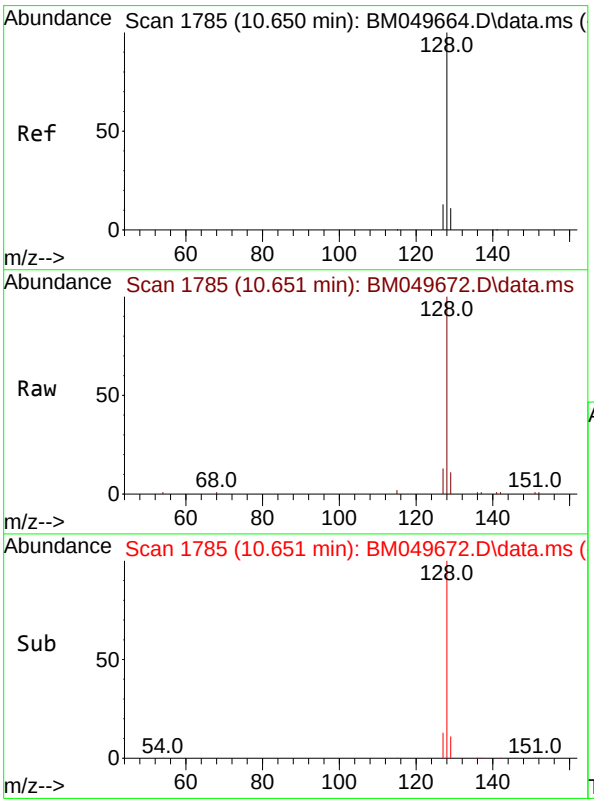

#2
1,4-Dioxane
Concen: 1.893 ng/ul
RT: 3.290 min Scan# 7
Delta R.T. -0.000 min
Lab File: BM049672.D
Acq: 17 Feb 2025 19:18

**Instrument :**
BNA_M
**ClientSampleId :**
SLCS623

Tgt Ion: 88 Resp: 16599

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 30.5 | 31.9 | 47.9# |
| 58 | 66.2 | 43.7 | 65.5# |

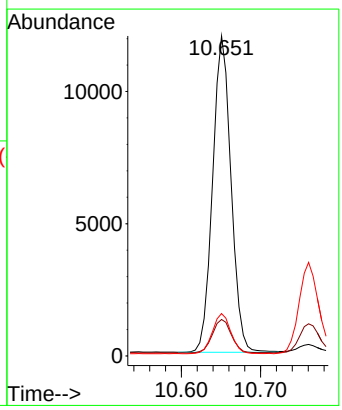


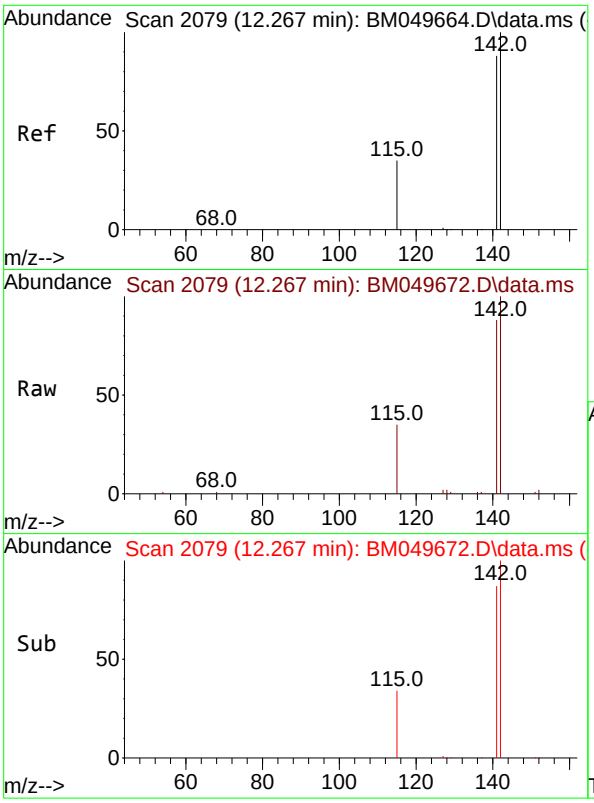




#5
Naphthalene
Concen: 0.385 ng/ul
RT: 10.651 min Scan# 1785
Delta R.T. -0.004 min
Lab File: BM049672.D
Acq: 17 Feb 2025 19:18

Tgt Ion:128 Resp: 19278

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.4 | 9.4 | 14.0 |
| 127 | 13.3 | 10.8 | 16.2 |



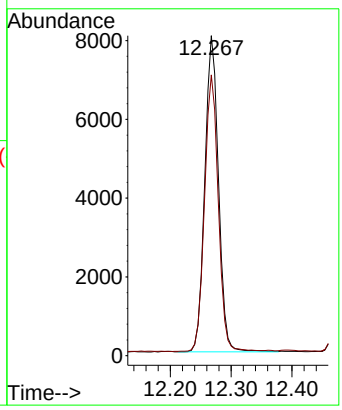


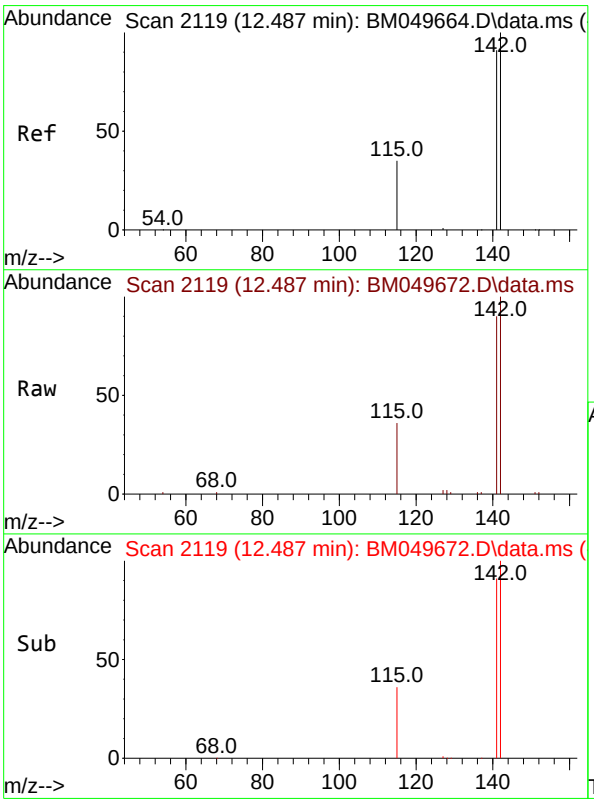

#7
2-Methylnaphthalene
Concen: 0.384 ng/ul
RT: 12.267 min Scan# 2
Delta R.T. -0.010 min
Lab File: BM049672.D
Acq: 17 Feb 2025 19:18

**Instrument :**
BNA_M
**ClientSampleId :**
SLCS623

Tgt Ion:142 Resp: 12503

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.2 | 71.0 | 106.6 |

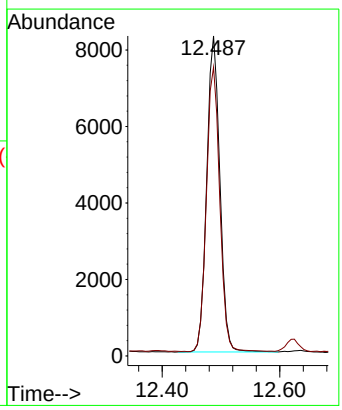


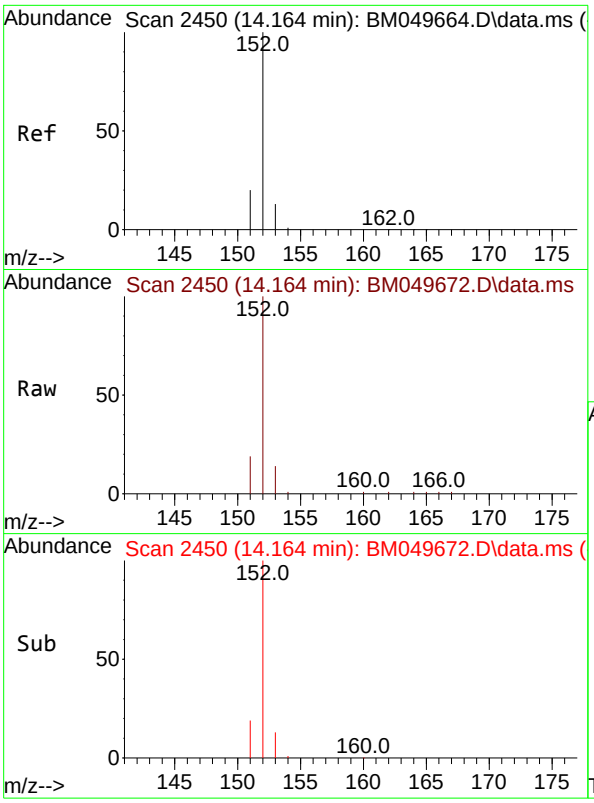




#8
1-Methylnaphthalene
Concen: 0.387 ng/ul
RT: 12.487 min Scan# 2119
Delta R.T. -0.004 min
Lab File: BM049672.D
Acq: 17 Feb 2025 19:18

Tgt Ion:142 Resp: 12783

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.3 | 73.1 | 109.7 |



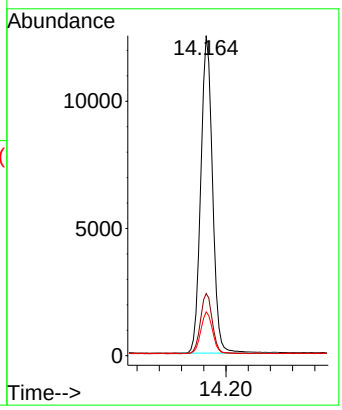


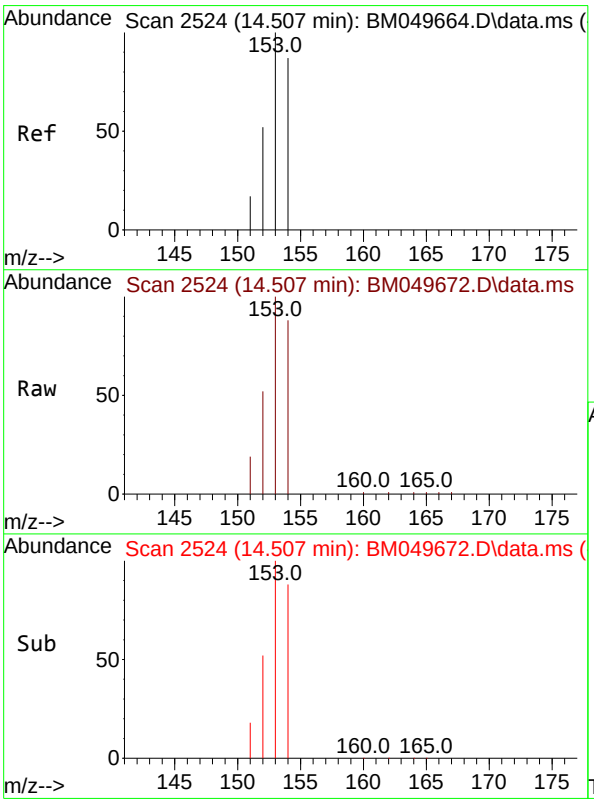

#10
Acenaphthylene
Concen: 0.368 ng/ul
RT: 14.164 min Scan# 24
Delta R.T. -0.008 min
Lab File: BM049672.D
Acq: 17 Feb 2025 19:18

**Instrument :**
BNA_M
**ClientSampleId :**
SLCS623

Tgt Ion:152 Resp: 18438

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.4 | 15.8 | 23.6 |
| 153 | 13.7 | 10.5 | 15.7 |

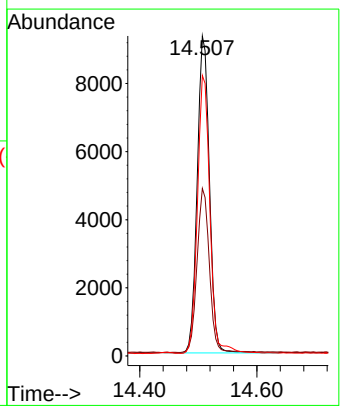


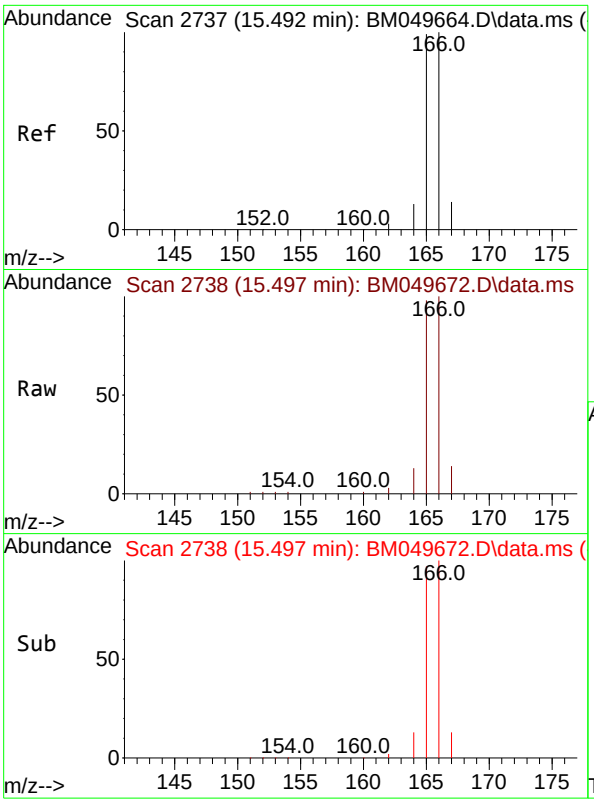




#11
Acenaphthene
Concen: 0.370 ng/ul
RT: 14.507 min Scan# 2524
Delta R.T. -0.008 min
Lab File: BM049672.D
Acq: 17 Feb 2025 19:18

Tgt Ion:153 Resp: 13514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 52.4 | 41.9 | 62.9 |
| 154 | 87.7 | 70.2 | 105.2 |



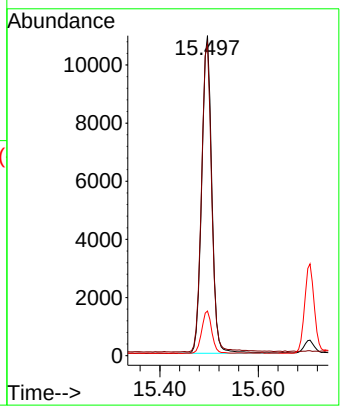


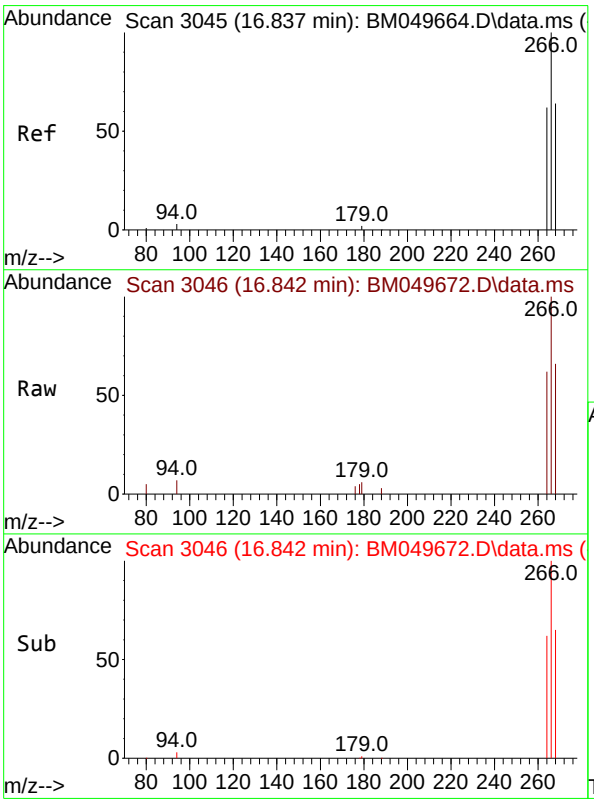

#12
Fluorene
Concen: 0.372 ng/ul
RT: 15.497 min Scan# 2
Delta R.T. -0.003 min
Lab File: BM049672.D
Acq: 17 Feb 2025 19:18

**Instrument :**
BNA_M
**ClientSampleId :**
SLCS623

Tgt Ion:166 Resp: 15503

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.6 | 79.6 | 119.4 |
| 167 | 14.0 | 11.4 | 17.2 |

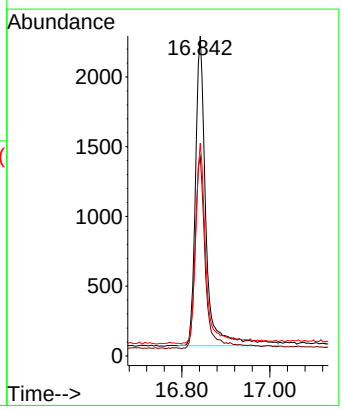


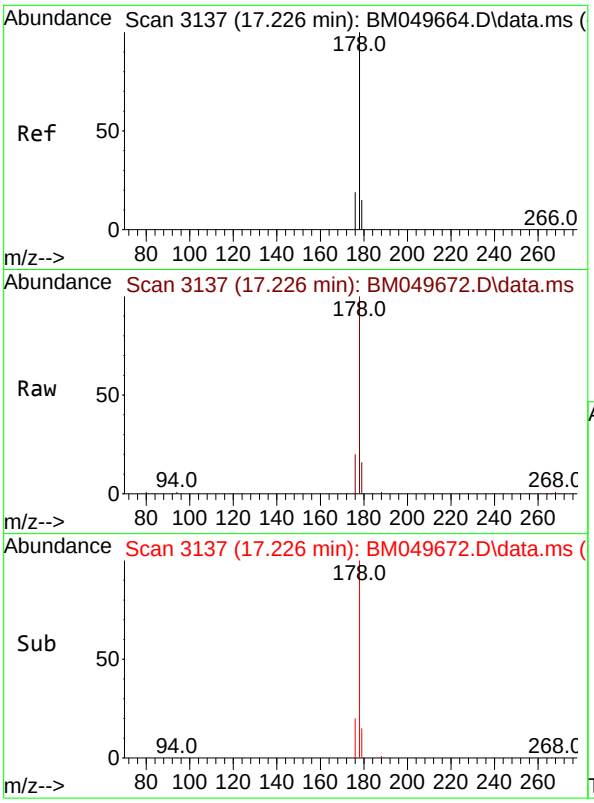




#14
Pentachlorophenol
Concen: 0.728 ng/ul
RT: 16.842 min Scan# 3046
Delta R.T. 0.001 min
Lab File: BM049672.D
Acq: 17 Feb 2025 19:18

Tgt Ion:266 Resp: 3663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 61.8 | 50.3 | 75.5 |
| 268 | 65.2 | 49.2 | 73.8 |



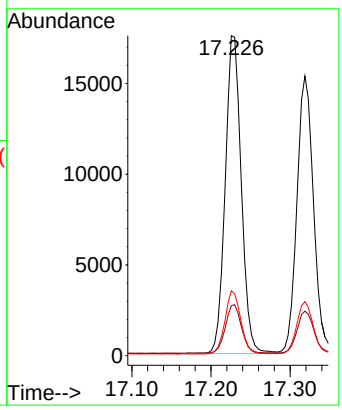


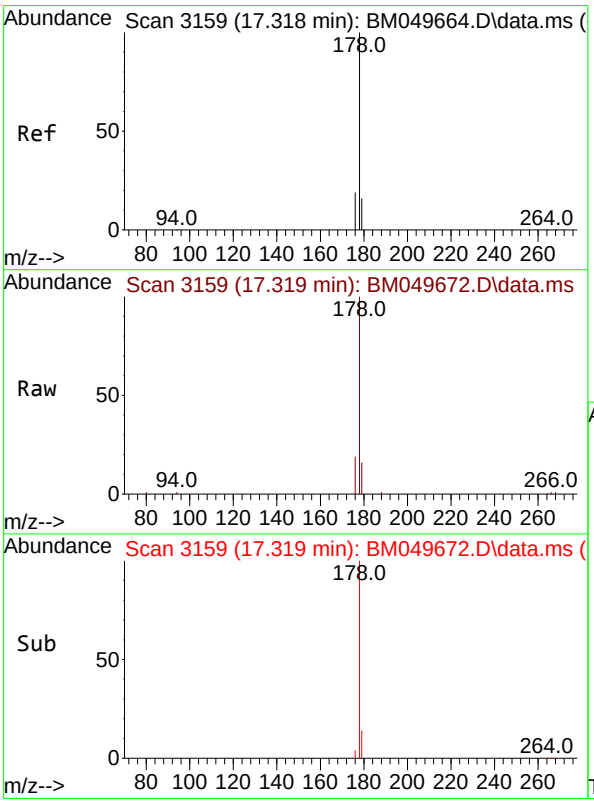

#15
Phenanthrene
Concen: 0.377 ng/ul
RT: 17.226 min Scan# 3
Delta R.T. -0.007 min
Lab File: BM049672.D
Acq: 17 Feb 2025 19:18

**Instrument :**
BNA_M
**ClientSampleId :**
SLCS623

Tgt Ion:178 Resp: 24749

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.6 | 12.6 | 19.0 |
| 176 | 20.3 | 16.2 | 24.2 |

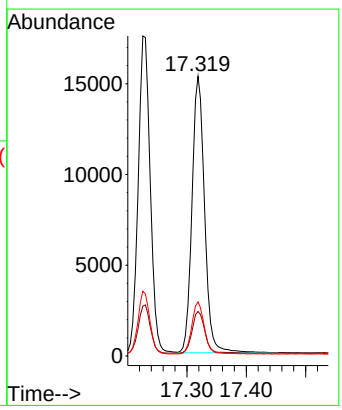


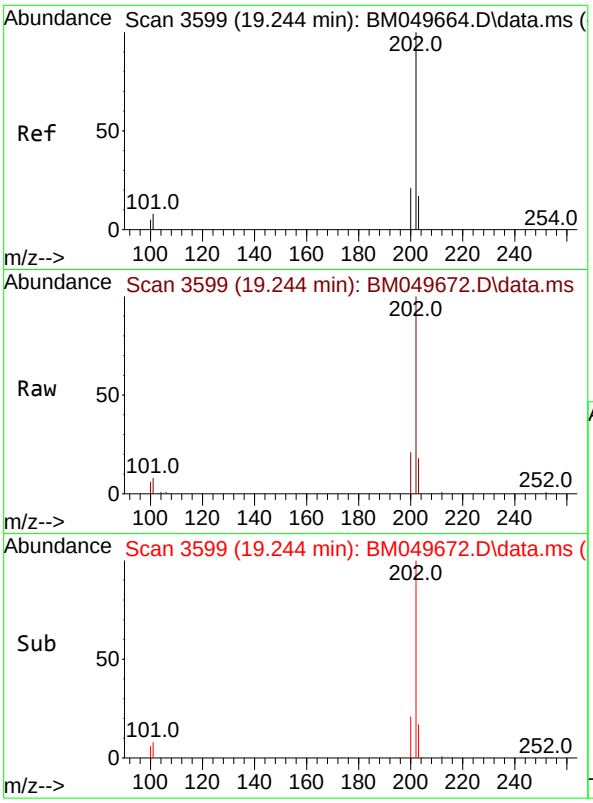




#16
Anthracene
Concen: 0.373 ng/ul
RT: 17.319 min Scan# 3159
Delta R.T. -0.003 min
Lab File: BM049672.D
Acq: 17 Feb 2025 19:18

Tgt Ion:178 Resp: 22443

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.9 | 12.9 | 19.3 |
| 176 | 19.3 | 15.8 | 23.6 |



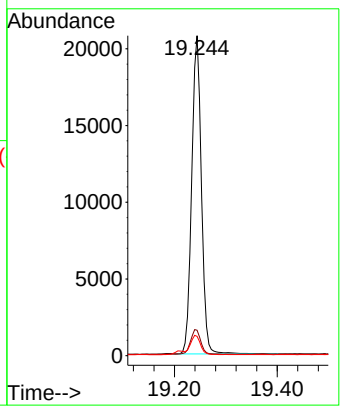


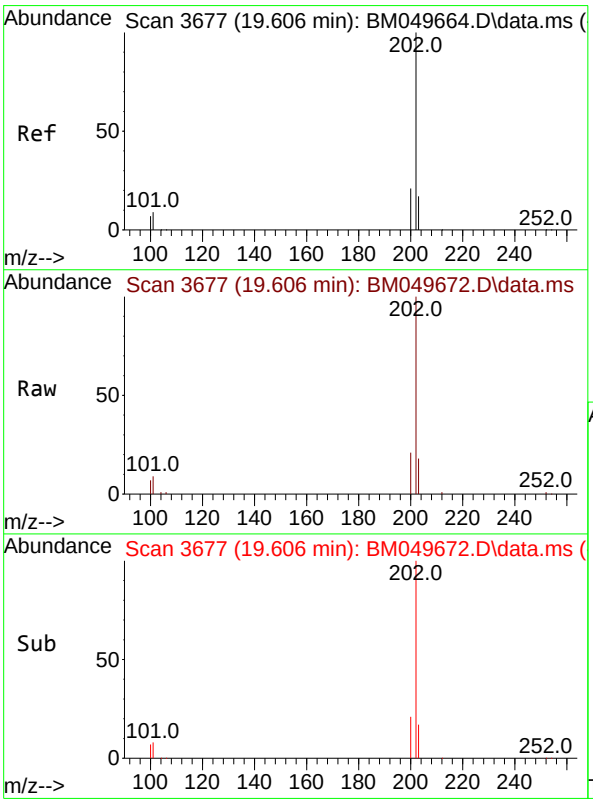

#19
Fluoranthene
Concen: 0.357 ng/ul
RT: 19.244 min Scan# 3
Delta R.T. -0.003 min
Lab File: BM049672.D
Acq: 17 Feb 2025 19:18

**Instrument :**
BNA_M
**ClientSampleId :**
SLCS623

Tgt Ion:202 Resp: 27224

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 8.0 | 6.7 | 10.1 |
| 100 | 6.0 | 5.0 | 7.4 |

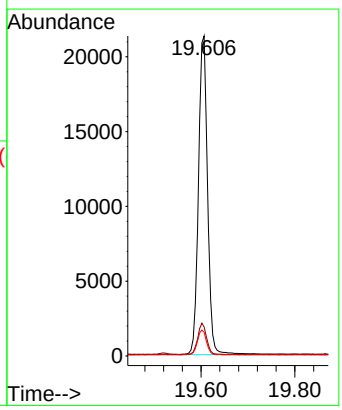


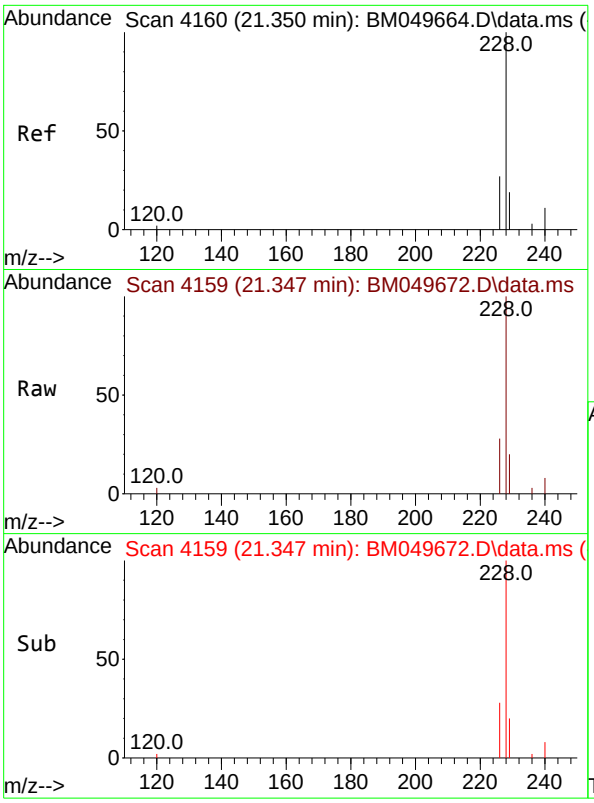




#20
Pyrene
Concen: 0.364 ng/ul
RT: 19.606 min Scan# 3677
Delta R.T. -0.003 min
Lab File: BM049672.D
Acq: 17 Feb 2025 19:18

Tgt Ion:202 Resp: 28677

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.0 | 7.5 | 11.3 |
| 100 | 7.4 | 6.3 | 9.5 |



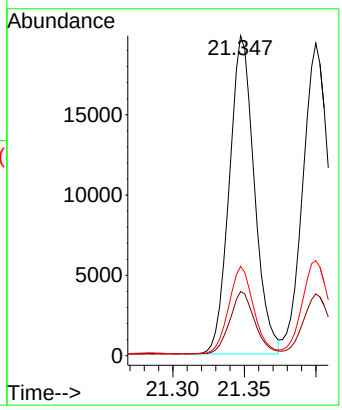


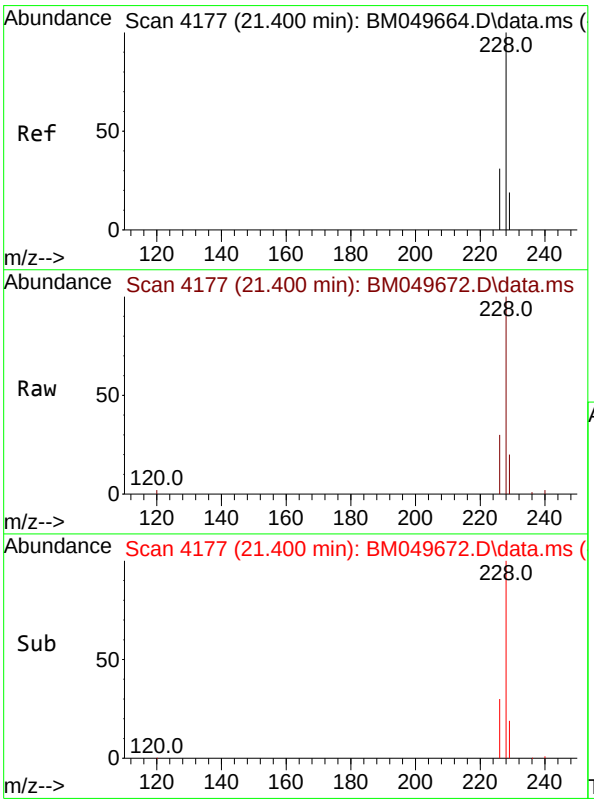

#21
Benzo(a)anthracene
Concen: 0.381 ng/ul
RT: 21.347 min Scan# 4
Delta R.T. -0.003 min
Lab File: BM049672.D
Acq: 17 Feb 2025 19:18

**Instrument :**
BNA_M
**ClientSampleId :**
SLCS623

Tgt Ion:228 Resp: 24129

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 20.0 | 15.7 | 23.5 |
| 226 | 27.9 | 22.2 | 33.4 |

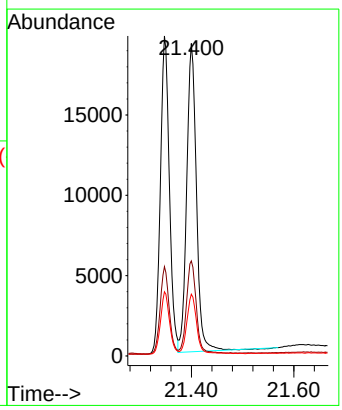


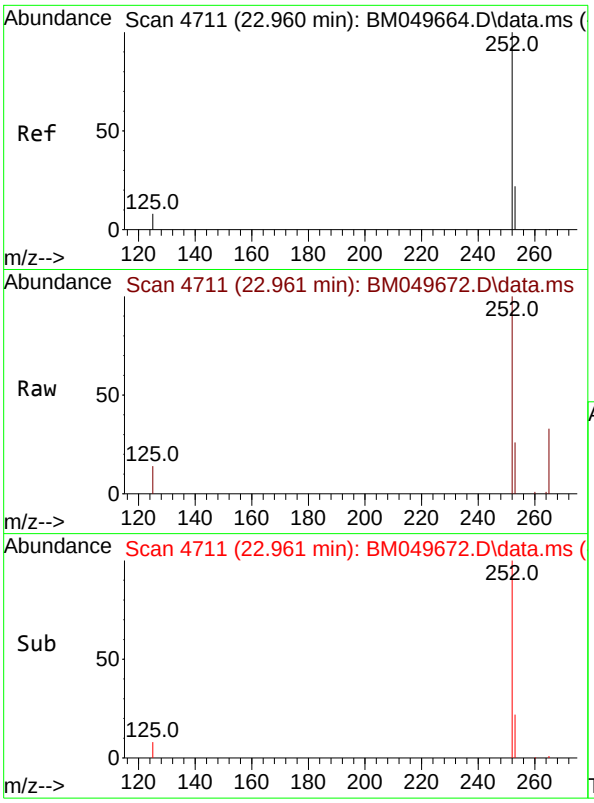




#22
Chrysene
Concen: 0.374 ng/ul
RT: 21.400 min Scan# 4177
Delta R.T. -0.003 min
Lab File: BM049672.D
Acq: 17 Feb 2025 19:18

Tgt Ion:228 Resp: 25126

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.4 | 24.9 | 37.3 |
| 229 | 19.8 | 15.6 | 23.4 |



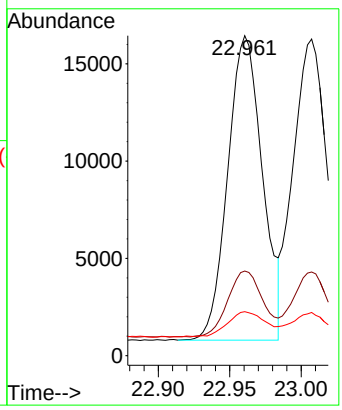


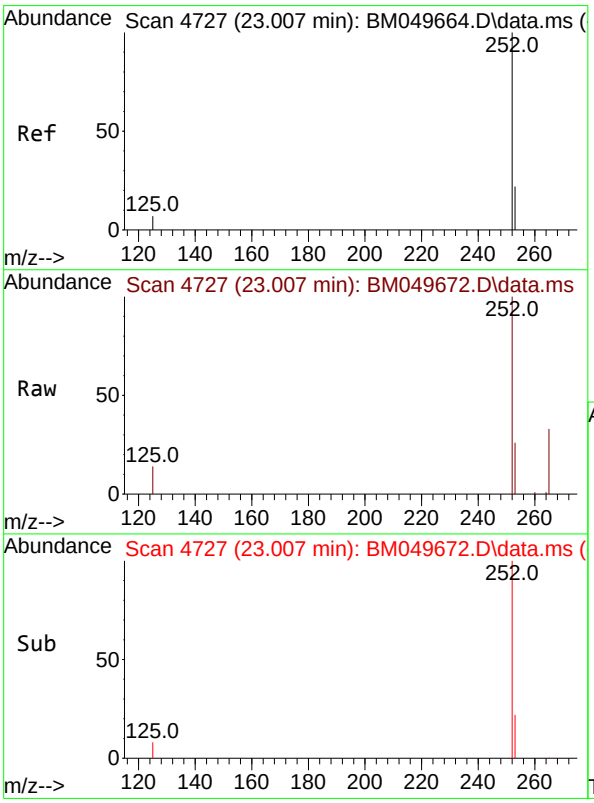

#24
Benzo(b)fluoranthene
Concen: 0.387 ng/ul
RT: 22.961 min Scan# 4
Delta R.T. -0.006 min
Lab File: BM049672.D
Acq: 17 Feb 2025 19:18

**Instrument :**
BNA_M
**ClientSampleId :**
SLCS623

Tgt Ion:252 Resp: 26463

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 26.4 | 0.0 | 50.2 |
| 125 | 13.7 | 0.0 | 25.6 |

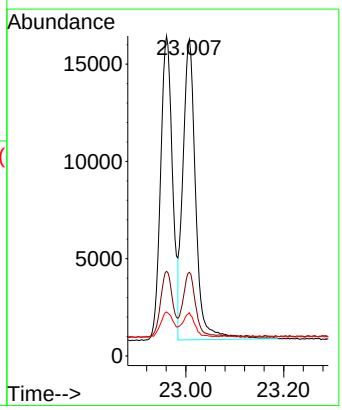


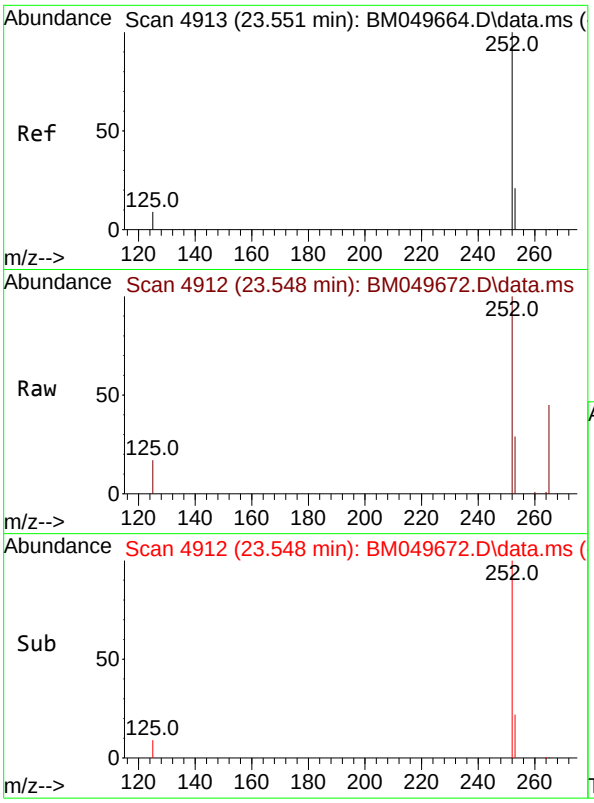




#25
Benzo(k)fluoranthene
Concen: 0.364 ng/ul
RT: 23.007 min Scan# 4727
Delta R.T. -0.003 min
Lab File: BM049672.D
Acq: 17 Feb 2025 19:18

Tgt Ion:252 Resp: 27987

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 26.4 | 20.2 | 30.4 |
| 125 | 13.7 | 10.4 | 15.6 |



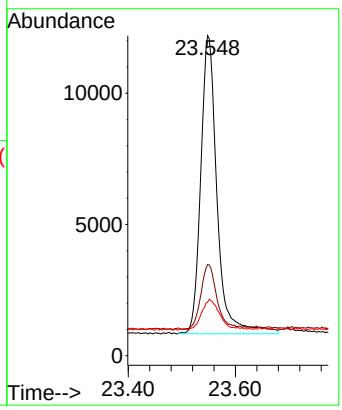


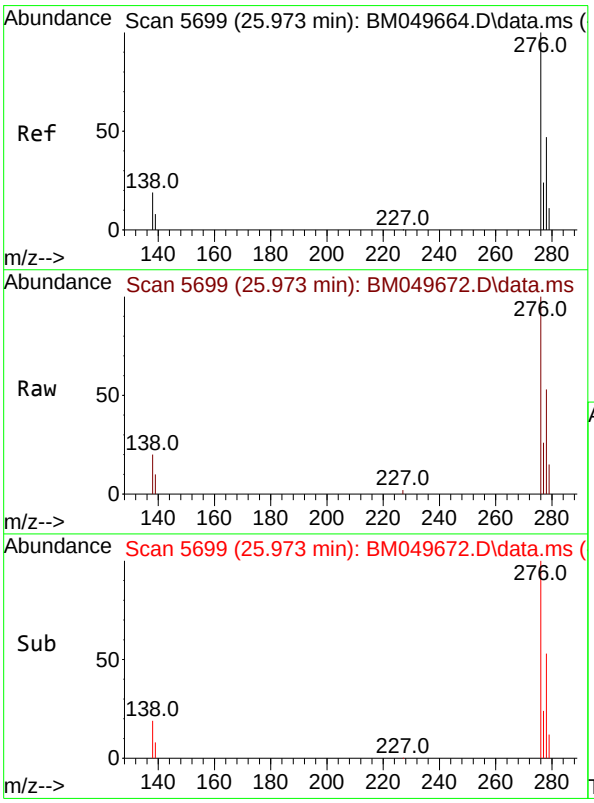

#26
Benzo(a)pyrene
Concen: 0.390 ng/ul
RT: 23.548 min Scan# 4
Delta R.T. -0.006 min
Lab File: BM049672.D
Acq: 17 Feb 2025 19:18

**Instrument :**
BNA_M
**ClientSampleId :**
SLCS623

Tgt Ion:252 Resp: 24033

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 28.5 | 21.6 | 32.4 |
| 125 | 16.7 | 12.6 | 18.8 |

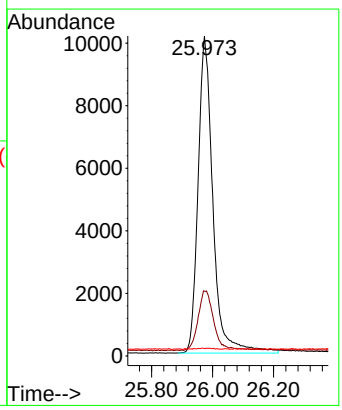


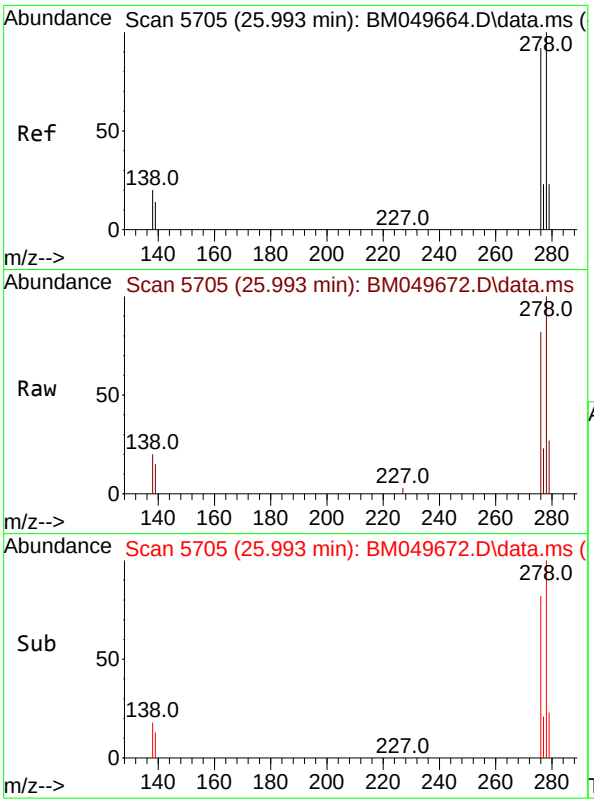




#27
Indeno(1,2,3-cd)pyrene
Concen: 0.392 ng/ul
RT: 25.973 min Scan# 5699
Delta R.T. -0.011 min
Lab File: BM049672.D
Acq: 17 Feb 2025 19:18

Tgt Ion:276 Resp: 34212

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 20.7 | 16.5 | 24.7 |
| 227 | 0.1 | 0.1 | 0.1 |



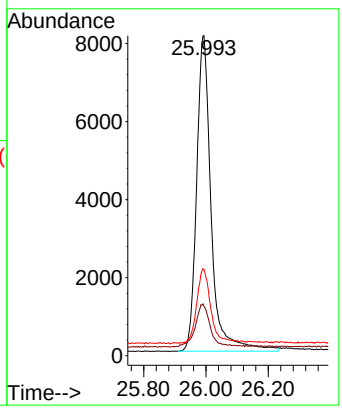


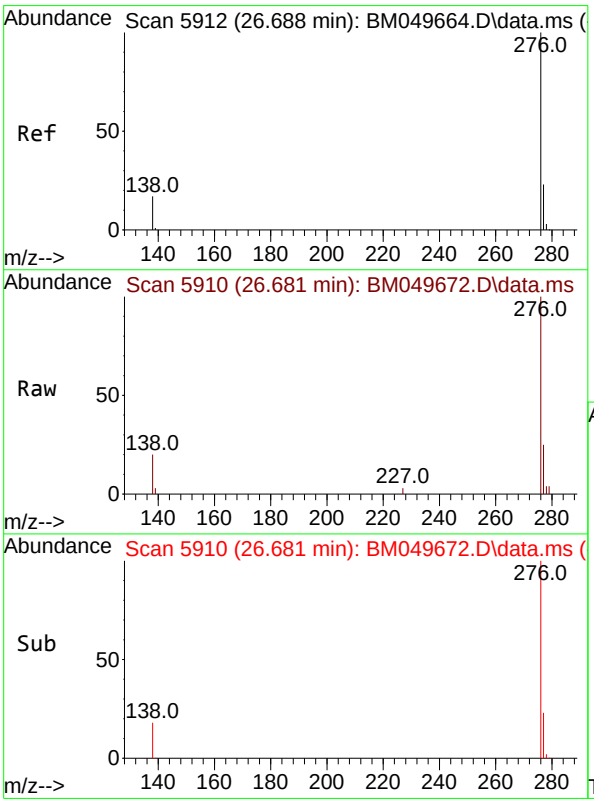

#28
Dibenzo(a,h)anthracene
Concen: 0.396 ng/ul
RT: 25.993 min Scan# 5
Delta R.T. -0.007 min
Lab File: BM049672.D
Acq: 17 Feb 2025 19:18

**Instrument :**
BNA_M
**ClientSampleId :**
SLCS623

Tgt Ion:278 Resp: 26268

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 15.4 | 13.4 | 20.0 |
| 279 | 26.9 | 21.5 | 32.3 |




#29
Benzo(g,h,i)perylene
Concen: 0.391 ng/ul
RT: 26.681 min Scan# 5910
Delta R.T. -0.011 min
Lab File: BM049672.D
Acq: 17 Feb 2025 19:18

Tgt Ion:276 Resp: 27461

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 19.6 | 15.8 | 23.6 |
| 277 | 25.0 | 19.9 | 29.9 |