Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM013124\
Data File : BM043935.D
Acq On : 31 Jan 2024 14:44
Operator : MA/JU
Sample : SSTD3.202
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD3.2006

Quant Time: Jan 31 22:45:29 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM013124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 31 15:16:31 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.926 | 152 | 7322 | 0.400 | ng/ul | 0.00 |
| 4) Naphthalene-d8 | 10.726 | 136 | 20182 | 0.400 | ng/ul | 0.00 |
| 9) Acenaphthene-d10 | 14.566 | 164 | 9724 | 0.400 | ng/ul | 0.00 |
| 13) Phenanthrene-d10 | 17.317 | 188 | 19930 | 0.400 | ng/ul | 0.00 |
| 17) Chrysene-d12 | 21.517 | 240 | 15381 | 0.400 | ng/ul | 0.00 |
| 23) Perylene-d12 | 23.926 | 264 | 16318 | 0.400 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.365 | 96 | 29638 | 3.146 | ng/ul | 0.00 |
| 6) 2-Methylnaphthalene-d10 | 12.316 | 152 | 85403 | 3.228 | ng/ul | 0.00 |
| 18) Fluoranthene-d10 | 19.349 | 212 | 155509 | 3.219 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.398 | 88 | 31975 | 3.235 | ng/ul# | 84 |
| 5) Naphthalene | 10.776 | 128 | 181798 | 3.142 | ng/ul | 99 |
| 7) 2-Methylnaphthalene | 12.393 | 142 | 110848 | 3.213 | ng/ul | 100 |
| 8) 1-Methylnaphthalene | 12.607 | 142 | 108889 | 3.183 | ng/ul | 100 |
| 10) Acenaphthylene | 14.288 | 152 | 170359 | 3.229 | ng/ul | 99 |
| 11) Acenaphthene | 14.626 | 153 | 116075 | 3.177 | ng/ul | 100 |
| 12) Fluorene | 15.616 | 166 | 130576 | 3.254 | ng/ul | 99 |
| 14) Pentachlorophenol | 16.959 | 266 | 16428 | 3.483 | ng/ul | 96 |
| 15) Phenanthrene | 17.360 | 178 | 200562 | 3.303 | ng/ul | 100 |
| 16) Anthracene | 17.452 | 178 | 192354 | 3.338 | ng/ul | 99 |
| 19) Fluoranthene | 19.382 | 202 | 229556 | 3.241 | ng/ul | 99 |
| 20) Pyrene | 19.744 | 202 | 231365 | 3.176 | ng/ul | 100 |
| 21) Benzo(a)anthracene | 21.503 | 228 | 216432 | 3.370 | ng/ul | 99 |
| 22) Chrysene | 21.555 | 228 | 212003 | 3.151 | ng/ul | 100 |
| 24) Benzo(b)fluoranthene | 23.195 | 252 | 211735 | 3.392 | ng/ul | 94 |
| 25) Benzo(k)fluoranthene | 23.245 | 252 | 224165 | 3.397 | ng/ul | 94 |
| 26) Benzo(a)pyrene | 23.821 | 252 | 198607 | 3.494 | ng/ul# | 92 |
| 27) Indeno(1,2,3-cd)pyrene | 26.427 | 276 | 256115 | 3.500 | ng/ul# | 100 |
| 28) Dibenzo(a,h)anthracene | 26.460 | 278 | 204985 | 3.510 | ng/ul | 95 |
| 29) Benzo(g,h,i)perylene | 27.191 | 276 | 214675 | 3.398 | ng/ul | 99 |

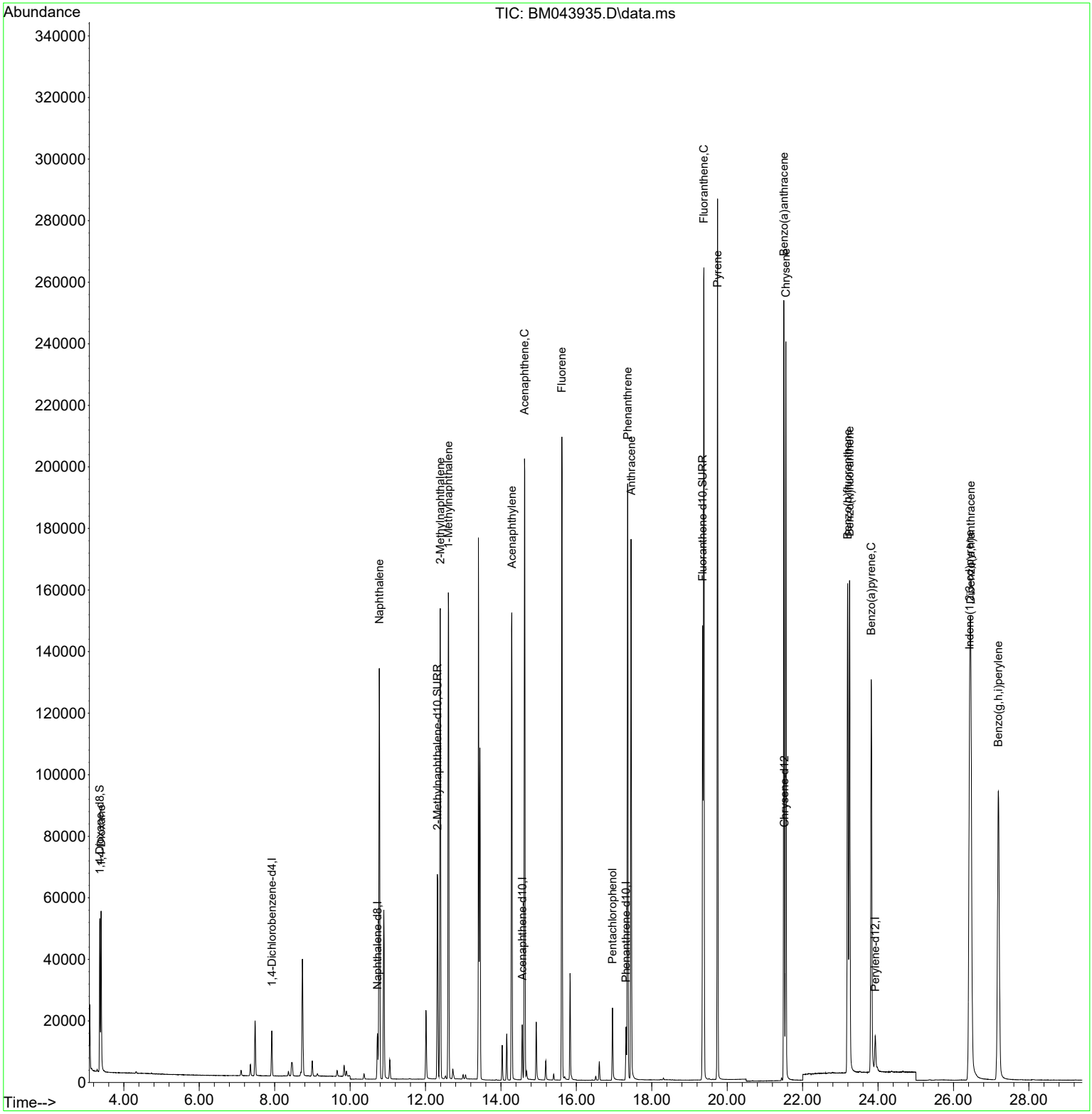
(#) = qualifier out of range (m) = manual integration (+) = signals summed

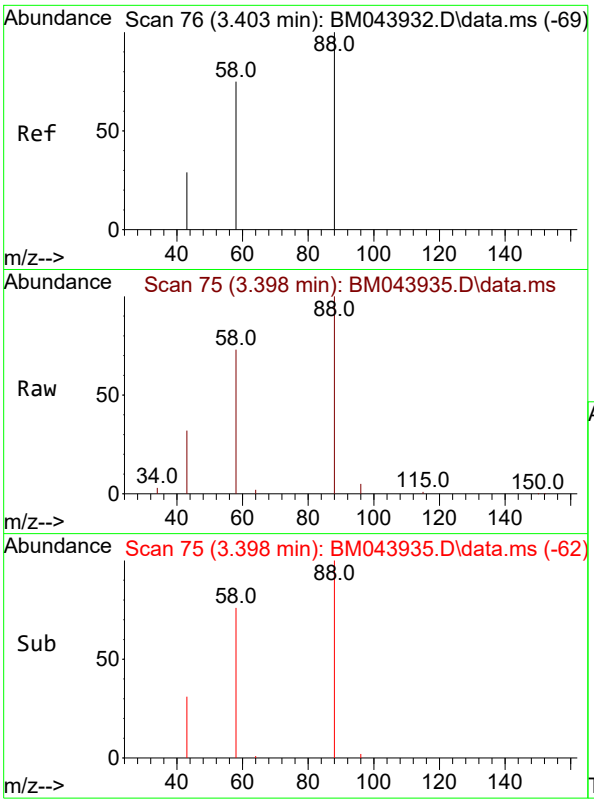
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM013124\
Data File : BM043935.D
Acq On : 31 Jan 2024 14:44
Operator : MA/JU
Sample : SSTD3.202
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD3.2006

Quant Time: Jan 31 22:45:29 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM013124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 31 15:16:31 2024
Response via : Initial Calibration



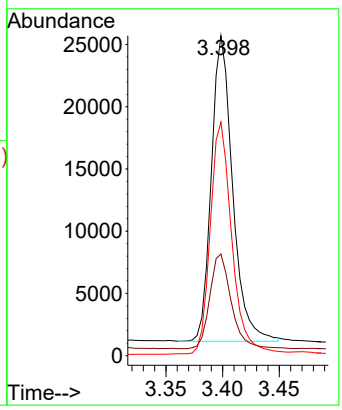


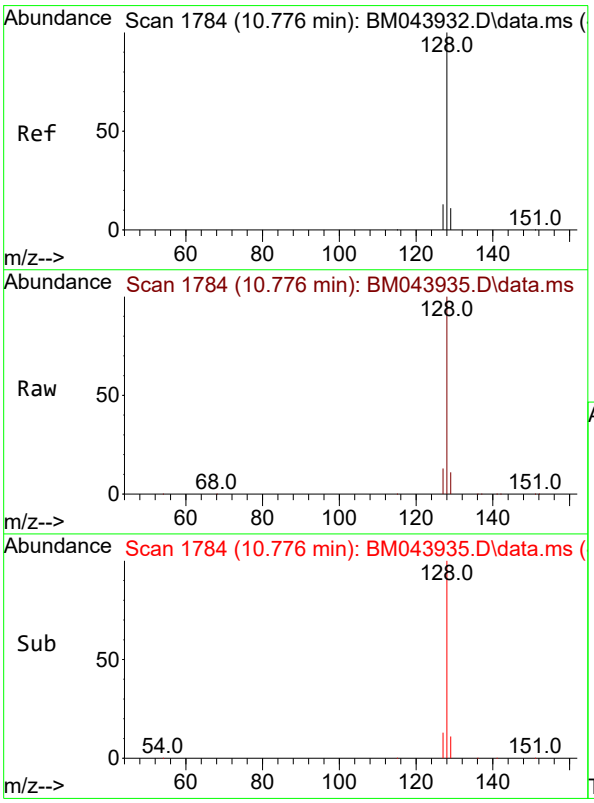

#2
1,4-Dioxane
Concen: 3.235 ng/ul
RT: 3.398 min Scan# 7
Delta R.T. -0.004 min
Lab File: BM043935.D
Acq: 31 Jan 2024 14:44

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD3.2006

Tgt Ion: 88 Resp: 31975

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 31.8 | 27.1 | 40.7 |
| 58 | 73.0 | 44.6 | 67.0# |

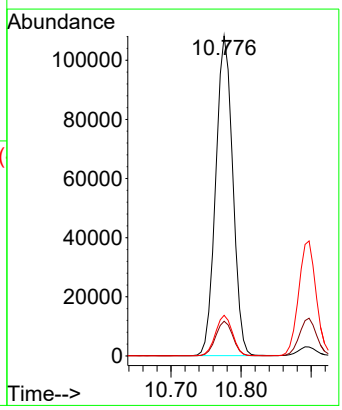


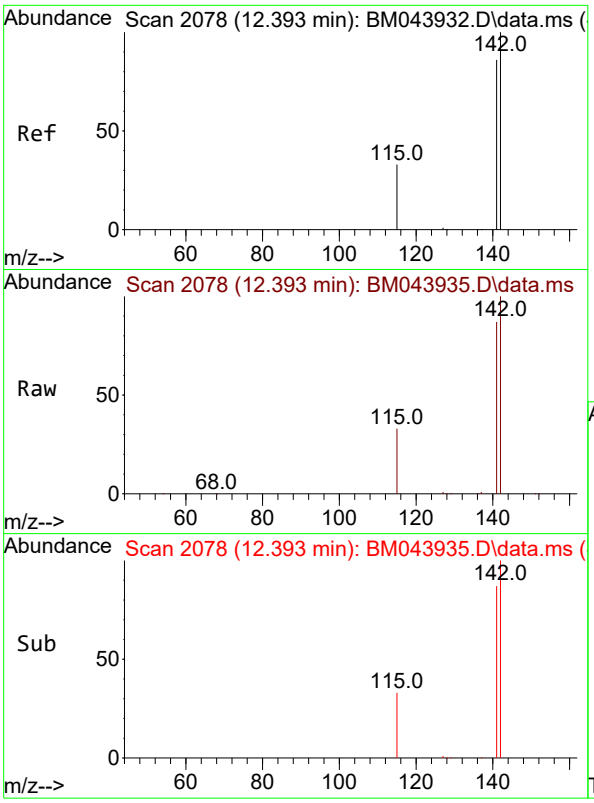




#5
Naphthalene
Concen: 3.142 ng/ul
RT: 10.776 min Scan# 1784
Delta R.T. -0.000 min
Lab File: BM043935.D
Acq: 31 Jan 2024 14:44

Tgt Ion:128 Resp: 181798

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.9 | 9.1 | 13.7 |
| 127 | 12.7 | 10.3 | 15.5 |



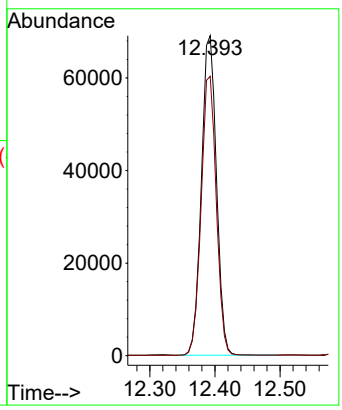


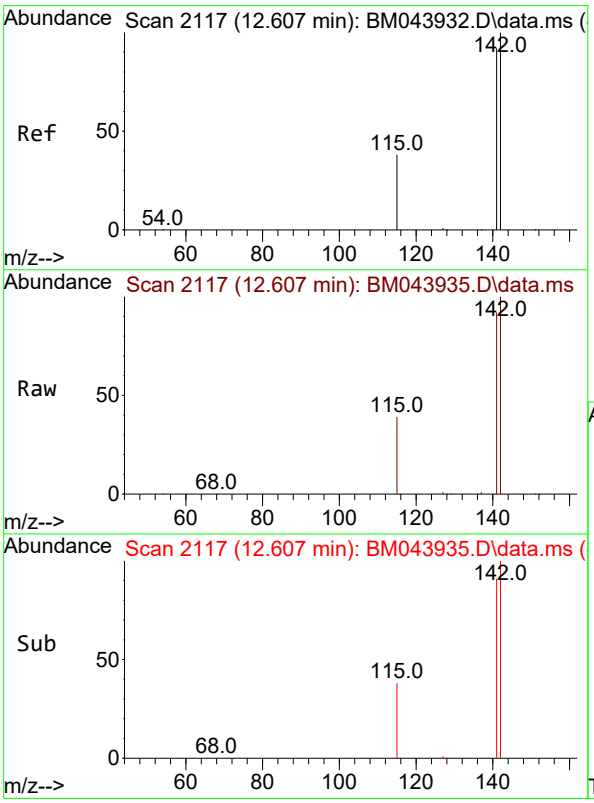

#7
2-Methylnaphthalene
Concen: 3.213 ng/ul
RT: 12.393 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM043935.D
Acq: 31 Jan 2024 14:44

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD3.2006

Tgt Ion:142 Resp: 110848

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 87.9 | 70.2 | 105.4 |

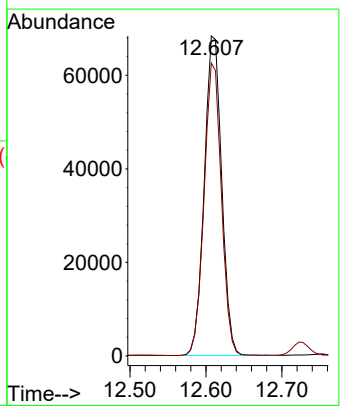


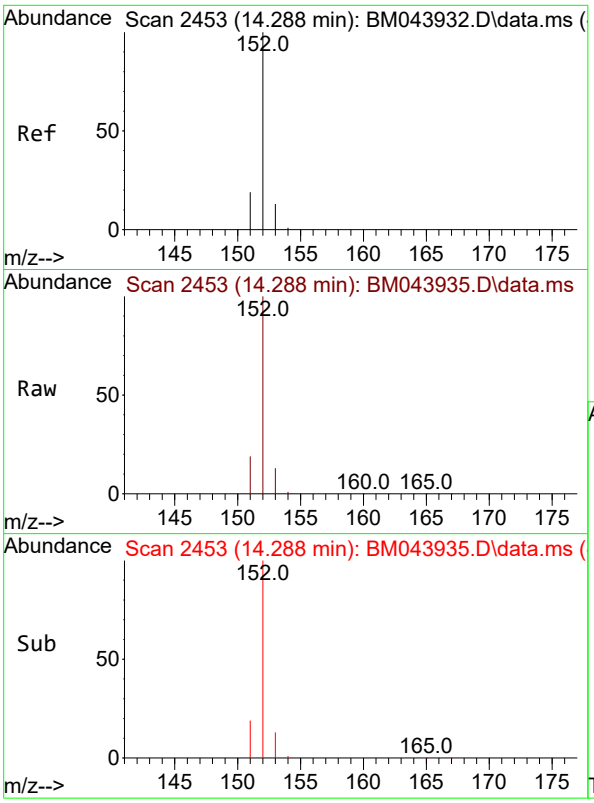




#8
1-Methylnaphthalene
Concen: 3.183 ng/ul
RT: 12.607 min Scan# 2117
Delta R.T. -0.000 min
Lab File: BM043935.D
Acq: 31 Jan 2024 14:44

Tgt Ion:142 Resp: 108889

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.0 | 72.9 | 109.3 |



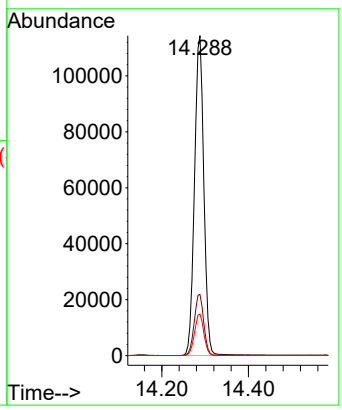


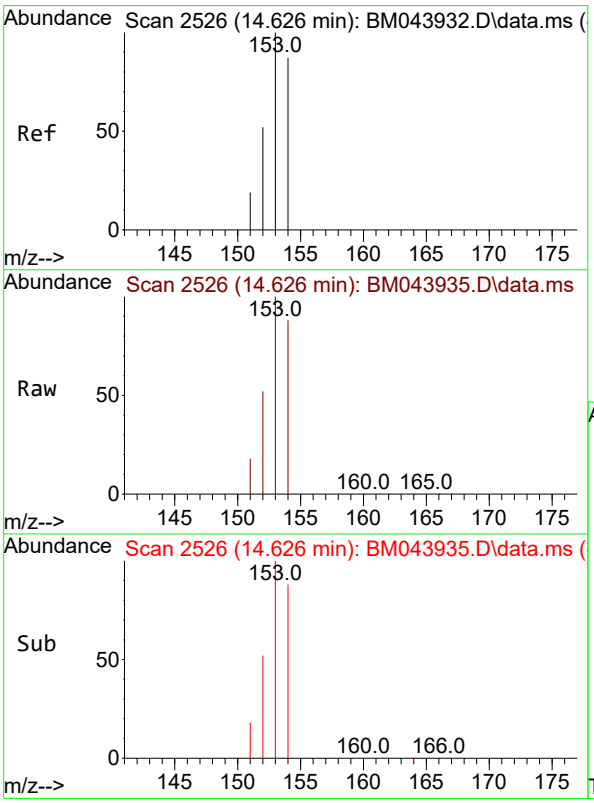

#10
Acenaphthylene
Concen: 3.229 ng/ul
RT: 14.288 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM043935.D
Acq: 31 Jan 2024 14:44

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD3.2006

Tgt Ion:152 Resp: 170359

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.2 | 15.6 | 23.4 |
| 153 | 13.0 | 10.9 | 16.3 |

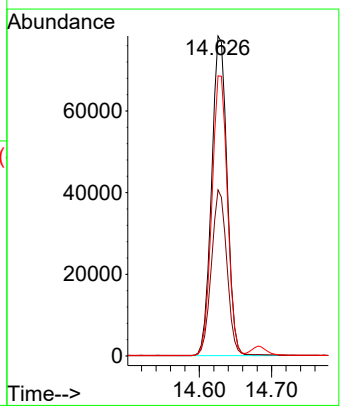


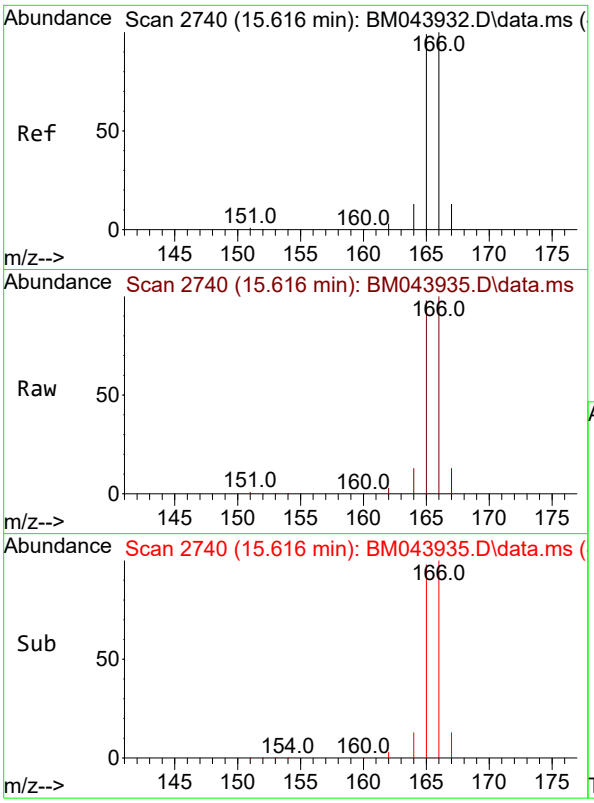




#11
Acenaphthene
Concen: 3.177 ng/ul
RT: 14.626 min Scan# 2526
Delta R.T. -0.000 min
Lab File: BM043935.D
Acq: 31 Jan 2024 14:44

Tgt Ion:153 Resp: 116075

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 51.9 | 41.8 | 62.8 |
| 154 | 87.5 | 69.8 | 104.8 |



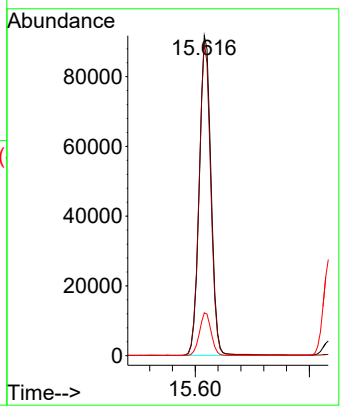


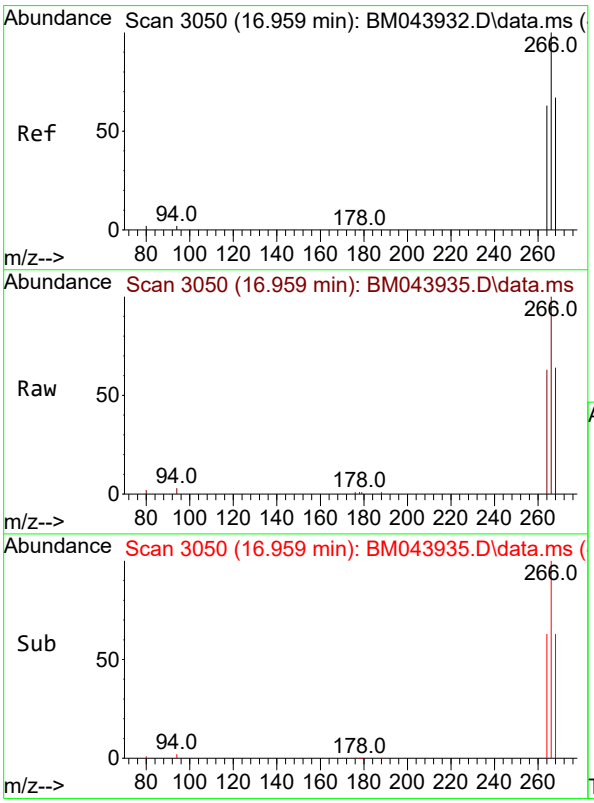

#12
Fluorene
Concen: 3.254 ng/ul
RT: 15.616 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM043935.D
Acq: 31 Jan 2024 14:44

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD3.2006

Tgt Ion:166 Resp: 130576

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.1 | 79.5 | 119.3 |
| 167 | 13.4 | 10.9 | 16.3 |

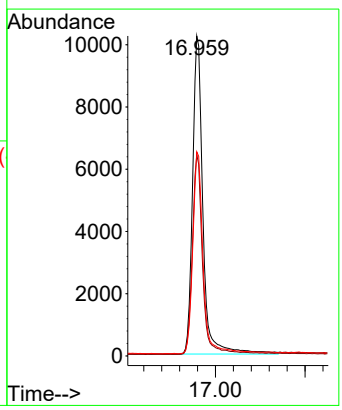


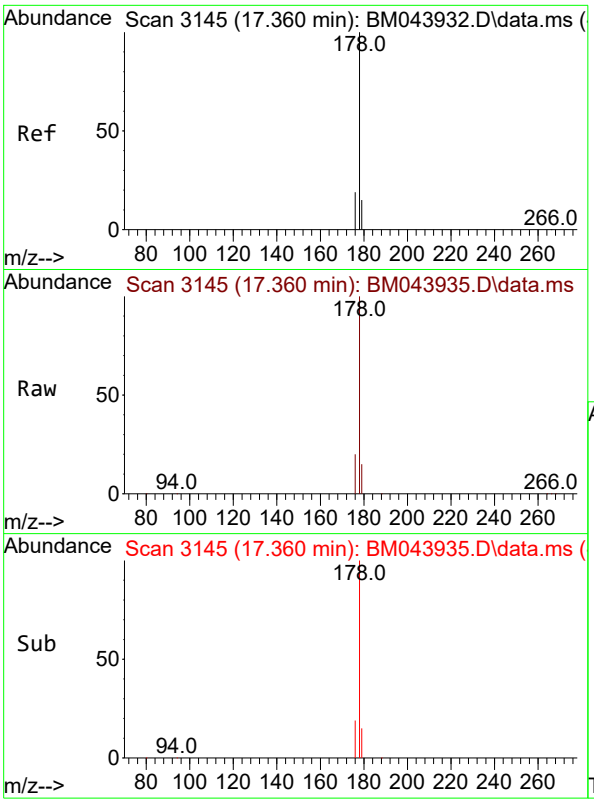




#14
Pentachlorophenol
Concen: 3.483 ng/ul
RT: 16.959 min Scan# 3050
Delta R.T. -0.000 min
Lab File: BM043935.D
Acq: 31 Jan 2024 14:44

Tgt Ion:266 Resp: 16428

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 62.7 | 51.3 | 76.9 |
| 268 | 64.1 | 54.7 | 82.1 |



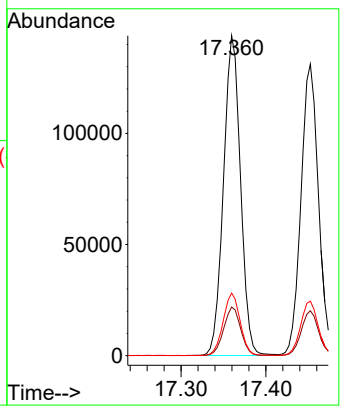


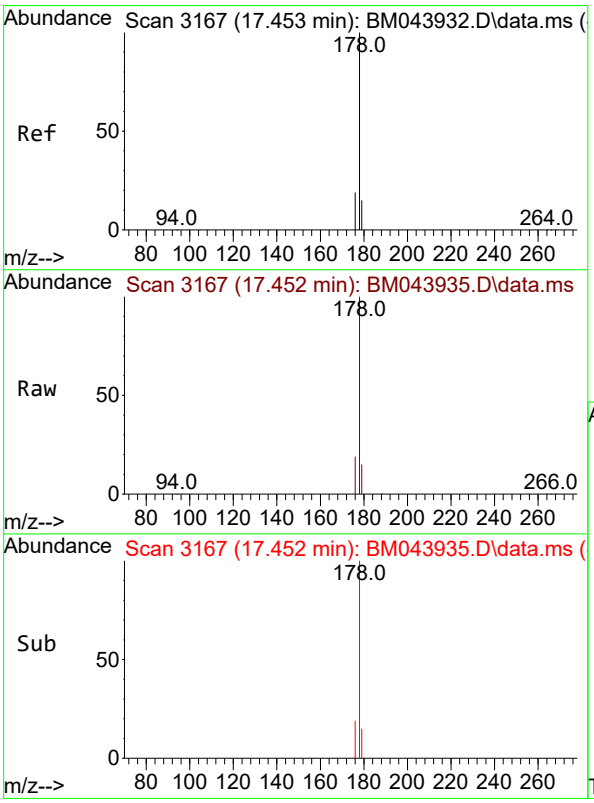

#15
Phenanthrene
Concen: 3.303 ng/ul
RT: 17.360 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM043935.D
Acq: 31 Jan 2024 14:44

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD3.2006

Tgt Ion:178 Resp: 200562

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.2 | 12.5 | 18.7 |
| 176 | 19.5 | 15.6 | 23.4 |

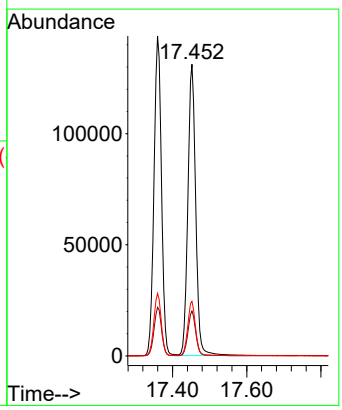


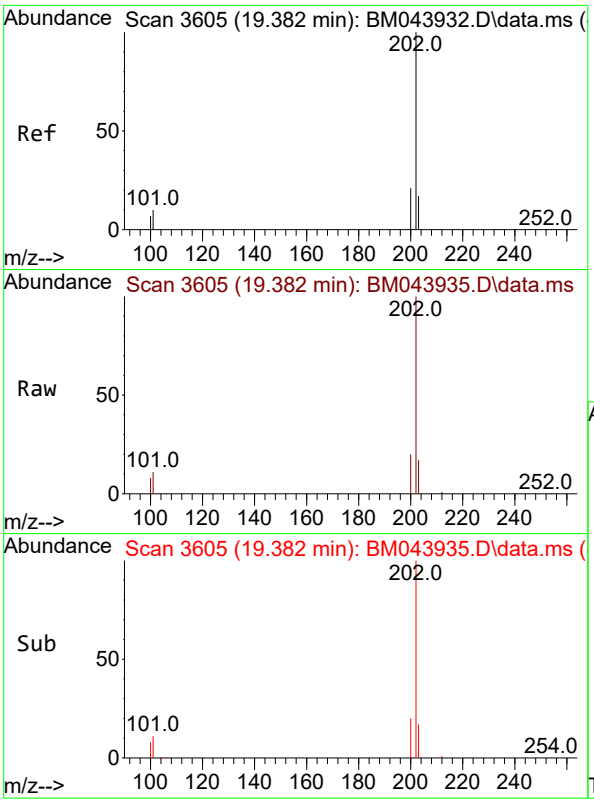




#16
Anthracene
Concen: 3.338 ng/ul
RT: 17.452 min Scan# 3167
Delta R.T. -0.000 min
Lab File: BM043935.D
Acq: 31 Jan 2024 14:44

Tgt Ion:178 Resp: 192354

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.4 | 12.6 | 18.8 |
| 176 | 18.7 | 15.4 | 23.0 |



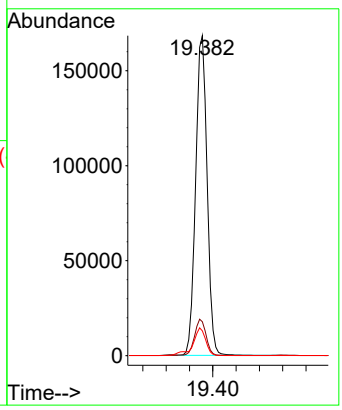


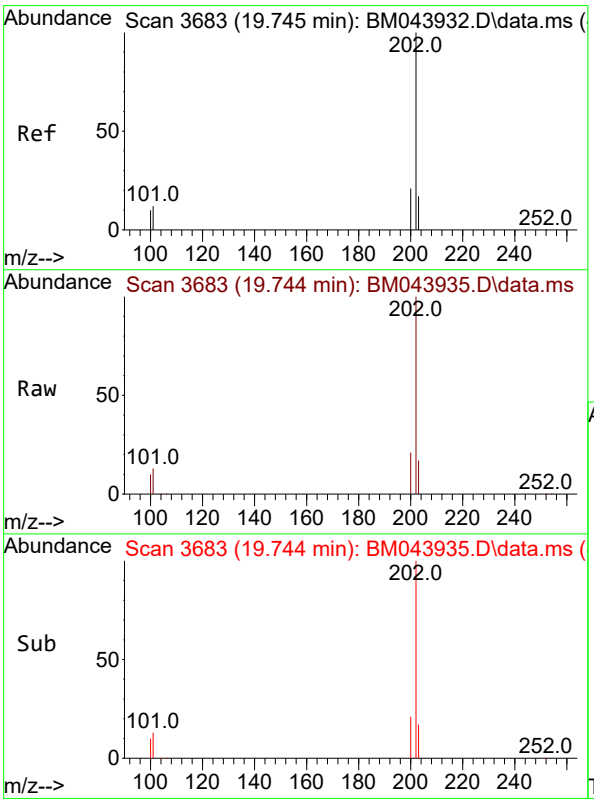

#19
Fluoranthene
Concen: 3.241 ng/ul
RT: 19.382 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM043935.D
Acq: 31 Jan 2024 14:44

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD3.2006

Tgt Ion:202 Resp: 229556

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.6 | 8.6 | 13.0 |
| 100 | 7.7 | 6.4 | 9.6 |

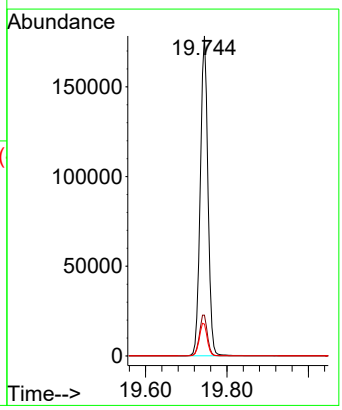


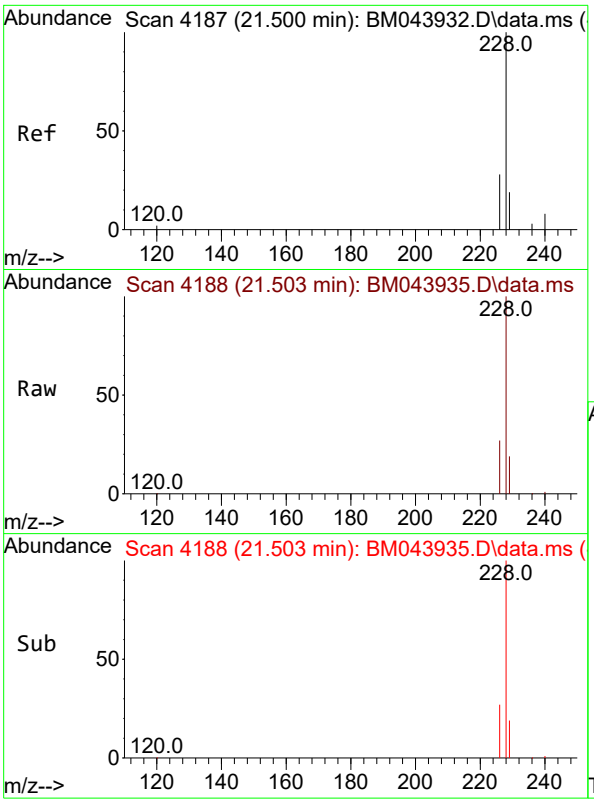




#20
Pyrene
Concen: 3.176 ng/ul
RT: 19.744 min Scan# 3683
Delta R.T. -0.000 min
Lab File: BM043935.D
Acq: 31 Jan 2024 14:44

Tgt Ion:202 Resp: 231365

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.8 | 10.3 | 15.5 |
| 100 | 10.0 | 8.1 | 12.1 |



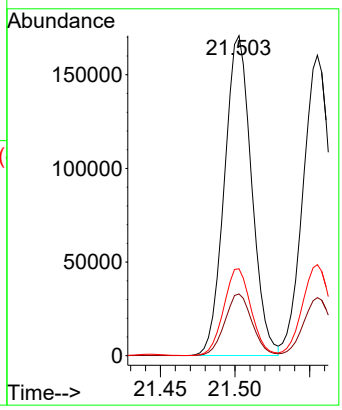


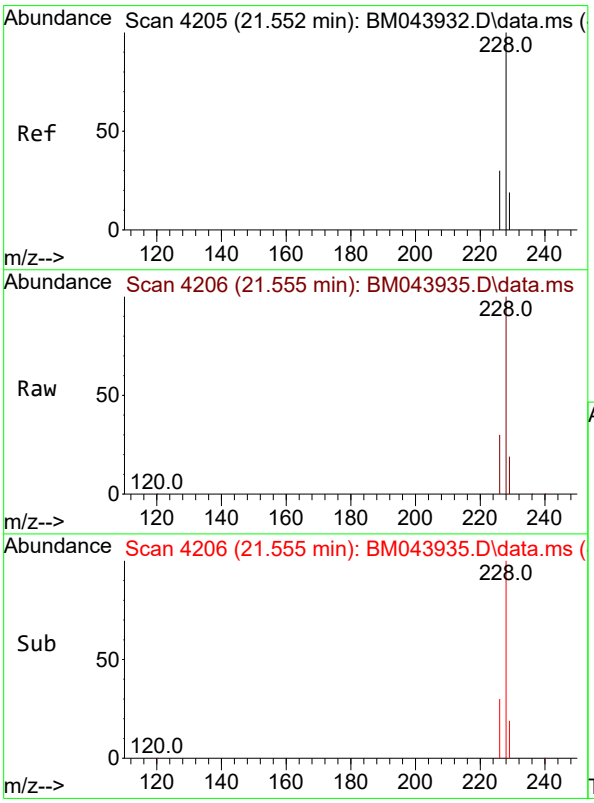

#21
Benzo(a)anthracene
Concen: 3.370 ng/ul
RT: 21.503 min Scan# 4
Delta R.T. 0.003 min
Lab File: BM043935.D
Acq: 31 Jan 2024 14:44

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD3.2006

Tgt Ion:228 Resp: 216432

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 19.3 | 15.5 | 23.3 |
| 226 | 27.1 | 22.3 | 33.5 |

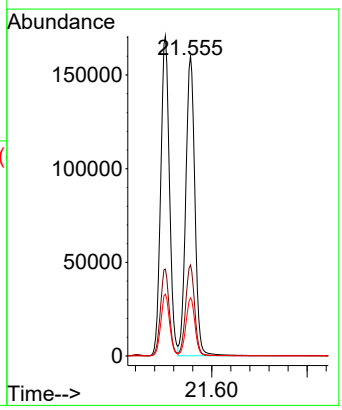


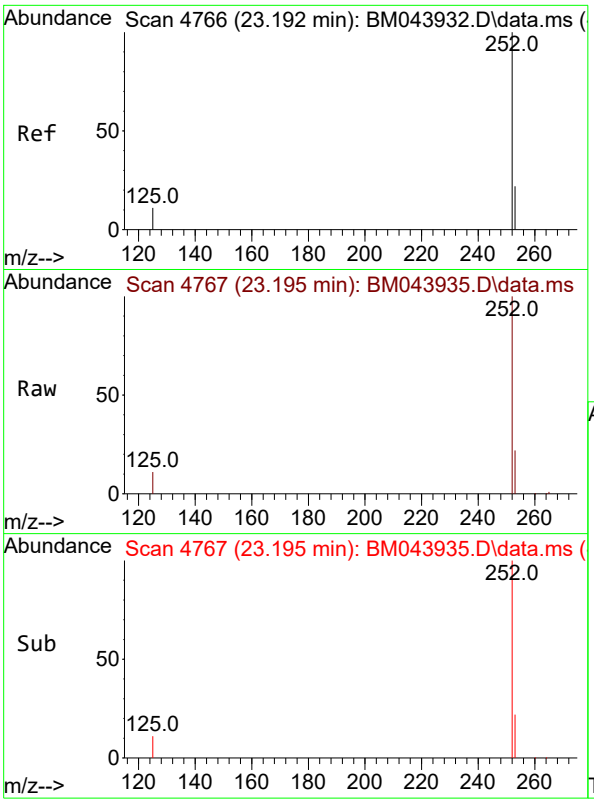




#22
Chrysene
Concen: 3.151 ng/ul
RT: 21.555 min Scan# 4206
Delta R.T. 0.003 min
Lab File: BM043935.D
Acq: 31 Jan 2024 14:44

Tgt Ion:228 Resp: 212003

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.3 | 24.4 | 36.6 |
| 229 | 19.3 | 15.5 | 23.3 |



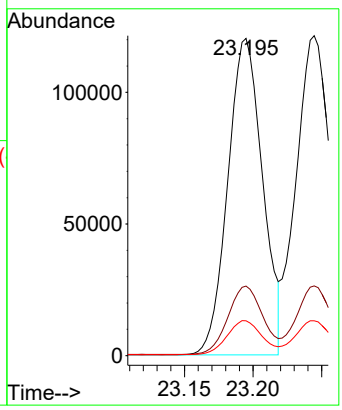


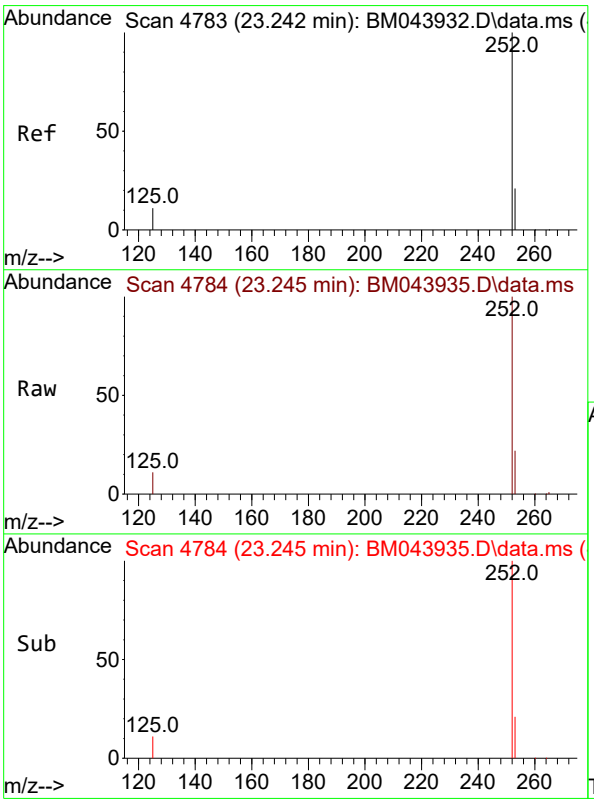

#24
Benzo(b)fluoranthene
Concen: 3.392 ng/ul
RT: 23.195 min Scan# 4
Delta R.T. 0.003 min
Lab File: BM043935.D
Acq: 31 Jan 2024 14:44

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD3.2006

Tgt Ion:252 Resp: 211735

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 0.0 | 50.0 |
| 125 | 11.0 | 0.0 | 26.4 |

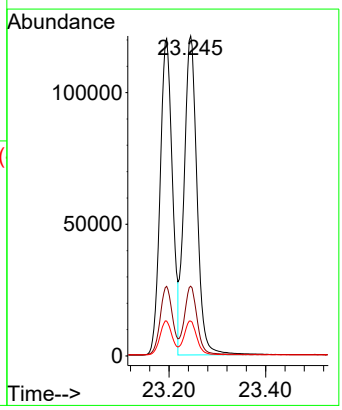


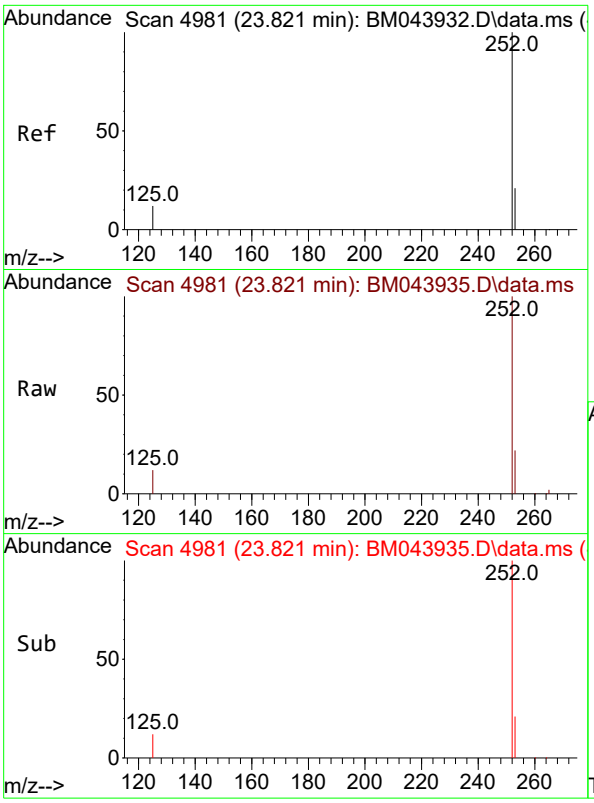




#25
Benzo(k)fluoranthene
Concen: 3.397 ng/ul
RT: 23.245 min Scan# 4784
Delta R.T. 0.003 min
Lab File: BM043935.D
Acq: 31 Jan 2024 14:44

Tgt Ion:252 Resp: 224165

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.8 | 19.7 | 29.5 |
| 125 | 10.9 | 10.6 | 16.0 |



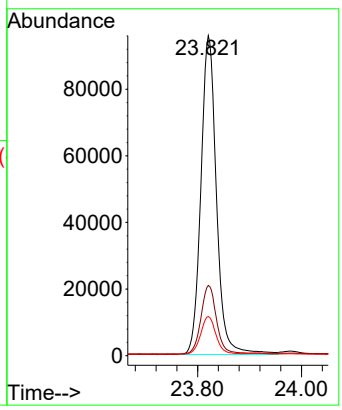


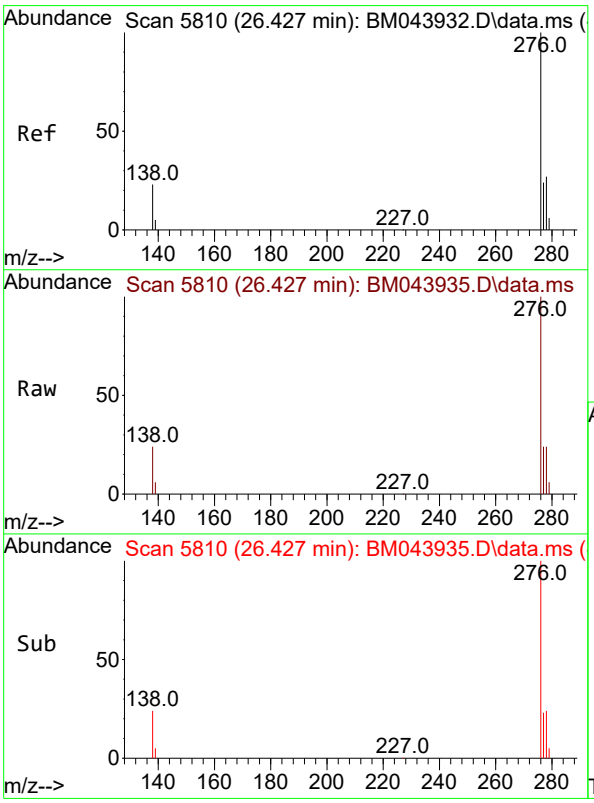

#26
Benzo(a)pyrene
Concen: 3.494 ng/ul
RT: 23.821 min Scan# 4
Delta R.T. -0.000 min
Lab File: BM043935.D
Acq: 31 Jan 2024 14:44

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD3.2006

Tgt Ion:252 Resp: 198607

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 20.6 | 31.0 |
| 125 | 12.3 | 12.6 | 18.8# |

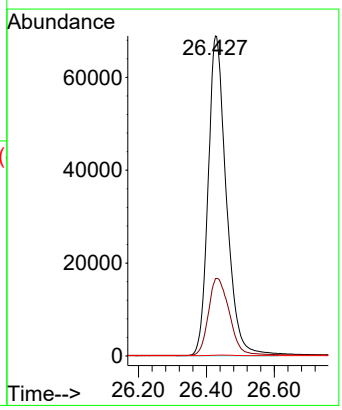


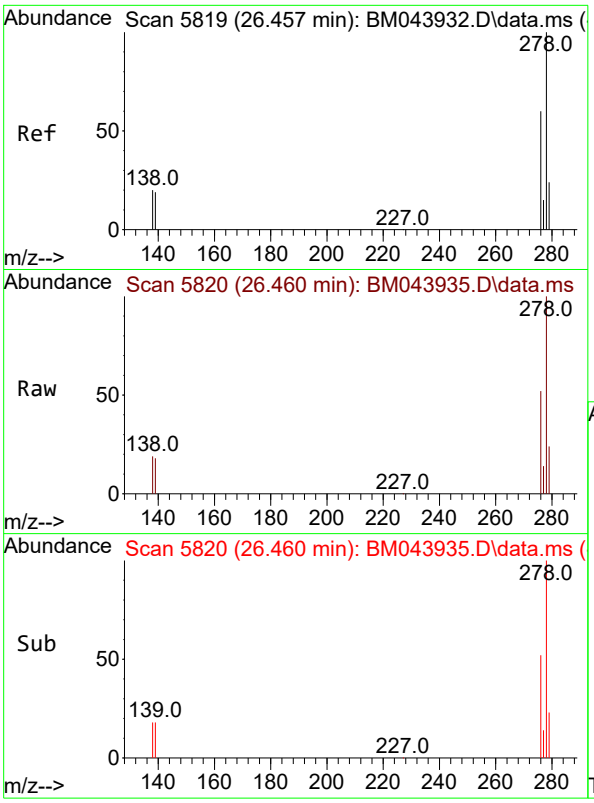




#27
Indeno(1,2,3-cd)pyrene
Concen: 3.500 ng/ul
RT: 26.427 min Scan# 5810
Delta R.T. -0.000 min
Lab File: BM043935.D
Acq: 31 Jan 2024 14:44

Tgt Ion:276 Resp: 256115

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 27.7 | 22.2 | 33.2 |
| 227 | 0.2 | 0.0 | 0.0# |



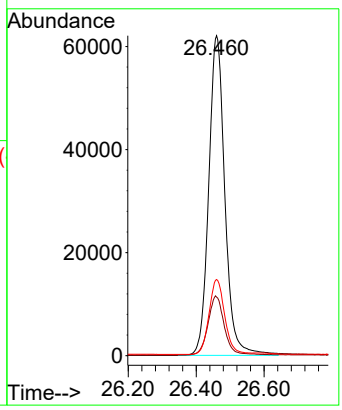


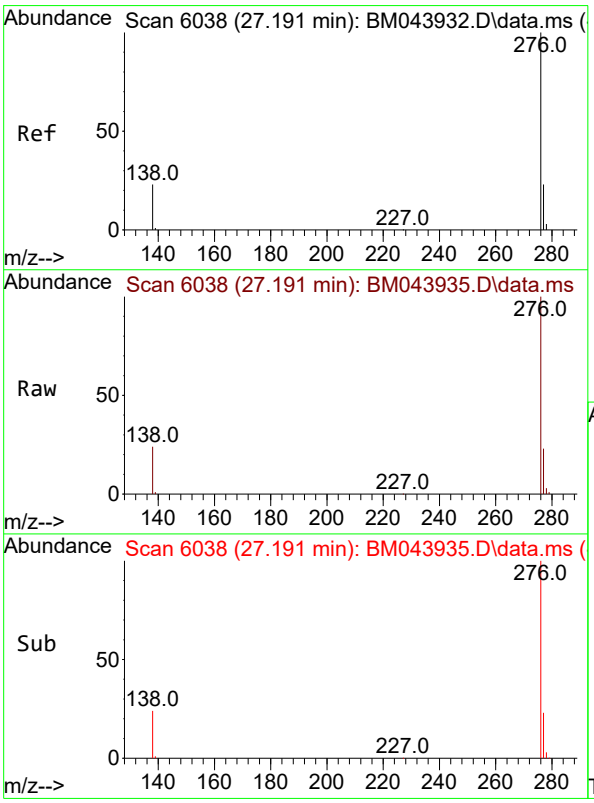

#28
Dibenzo(a,h)anthracene
Concen: 3.510 ng/ul
RT: 26.460 min Scan# 5
Delta R.T. 0.003 min
Lab File: BM043935.D
Acq: 31 Jan 2024 14:44

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD3.2006

Tgt Ion:278 Resp: 204985

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 18.3 | 16.2 | 24.2 |
| 279 | 23.8 | 21.7 | 32.5 |




#29
Benzo(g,h,i)perylene
Concen: 3.398 ng/ul
RT: 27.191 min Scan# 6038
Delta R.T. -0.000 min
Lab File: BM043935.D
Acq: 31 Jan 2024 14:44

Tgt Ion:276 Resp: 214675

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 24.0 | 20.2 | 30.2 |
| 277 | 23.5 | 19.0 | 28.4 |