Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM090823\
Data File : BM041736.D
Acq On : 08 Sep 2023 18:35
Operator : MA/JU
Sample : PB155235BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SLCS235

Quant Time: Sep 09 00:27:31 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 : Fri Sep 08 06:08:11 2023
Response via : Initial Calibration

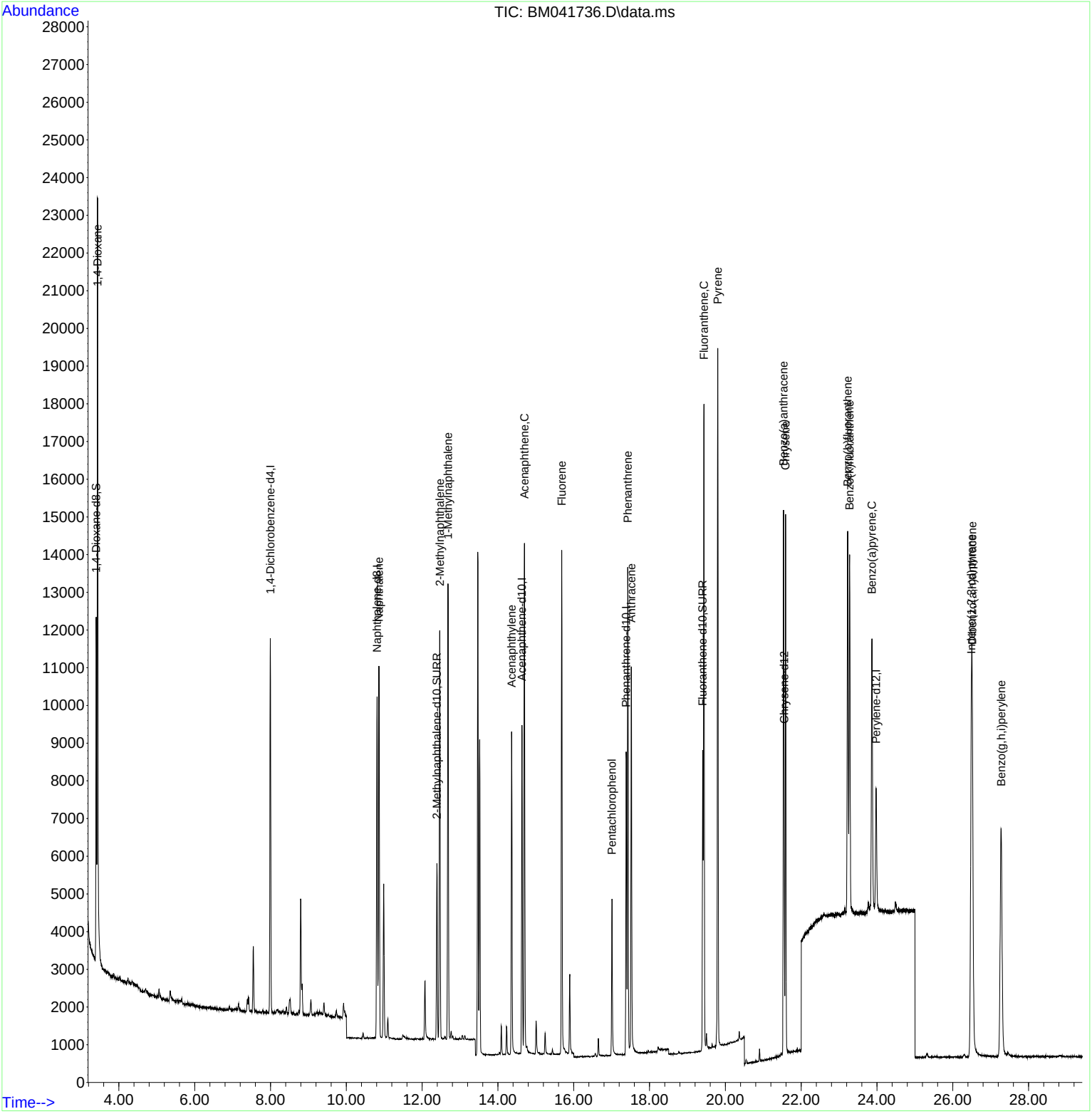
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.996 | 152 | 4864 | 0.400 | ng/ul | 0.00 |
| 4) Naphthalene-d8 | 10.812 | 136 | 11387 | 0.400 | ng/ul | 0.00 |
| 9) Acenaphthene-d10 | 14.634 | 164 | 4501 | 0.400 | ng/ul | 0.00 |
| 13) Phenanthrene-d10 | 17.383 | 188 | 8747 | 0.400 | ng/ul | 0.00 |
| 17) Chrysene-d12 | 21.550 | 240 | 3890 | 0.400 | ng/ul | 0.00 |
| 23) Perylene-d12 | 23.976 | 264 | 4503 | 0.400 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.402 | 96 | 5151 | 0.693 | ng/ul | 0.00 |
| 6) 2-Methylnaphthalene-d10 | 12.390 | 152 | 5607 | 0.383 | ng/ul | 0.00 |
| 18) Fluoranthene-d10 | 19.403 | 212 | 6945 | 0.368 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.439 | 88 | 12422 | 1.609 | ng/ul | 94 |
| 5) Naphthalene | 10.861 | 128 | 13342 | 0.357 | ng/ul | 100 |
| 7) 2-Methylnaphthalene | 12.467 | 142 | 7575 | 0.357 | ng/ul | 100 |
| 8) 1-Methylnaphthalene | 12.682 | 142 | 8002 | 0.375 | ng/ul | 100 |
| 10) Acenaphthylene | 14.361 | 152 | 10087 | 0.363 | ng/ul | 99 |
| 11) Acenaphthene | 14.698 | 153 | 7831 | 0.362 | ng/ul | 98 |
| 12) Fluorene | 15.684 | 166 | 8613 | 0.355 | ng/ul | 98 |
| 14) Pentachlorophenol | 17.008 | 266 | 2797 | 0.799 | ng/ul | 100 |
| 15) Phenanthrene | 17.426 | 178 | 13488 | 0.365 | ng/ul | 99 |
| 16) Anthracene | 17.518 | 178 | 11570 | 0.366 | ng/ul | 99 |
| 19) Fluoranthene | 19.436 | 202 | 14564 | 0.317 | ng/ul | 99 |
| 20) Pyrene | 19.798 | 202 | 15258 | 0.335 | ng/ul | 97 |
| 21) Benzo(a)anthracene | 21.536 | 228 | 11503 | 0.363 | ng/ul | 99 |
| 22) Chrysene | 21.588 | 228 | 11923 | 0.348 | ng/ul | 99 |
| 24) Benzo(b)fluoranthene | 23.228 | 252 | 13197 | 0.328 | ng/ul | 98 |
| 25) Benzo(k)fluoranthene | 23.278 | 252 | 12354 | 0.313 | ng/ul | 98 |
| 26) Benzo(a)pyrene | 23.868 | 252 | 11055 | 0.338 | ng/ul | 98 |
| 27) Indeno(1,2,3-cd)pyrene | 26.488 | 276 | 16016 | 0.357 | ng/ul# | 97 |
| 28) Dibenzo(a,h)anthracene | 26.515 | 278 | 11406 | 0.362 | ng/ul | 98 |
| 29) Benzo(g,h,i)perylene | 27.279 | 276 | 13957 | 0.351 | ng/ul | 99 |

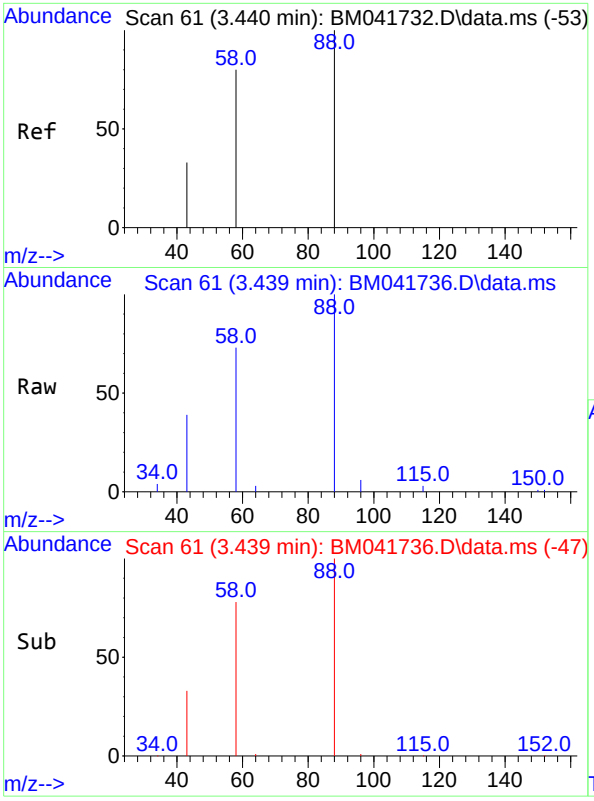
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM090823\
Data File : BM041736.D
Acq On : 08 Sep 2023 18:35
Operator : MA/JU
Sample : PB155235BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SLCS235

Quant Time: Sep 09 00:27:31 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 : Fri Sep 08 06:08:11 2023
Response via : Initial Calibration



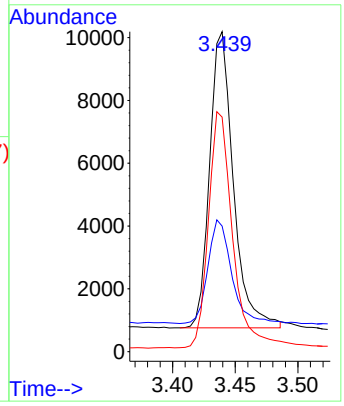


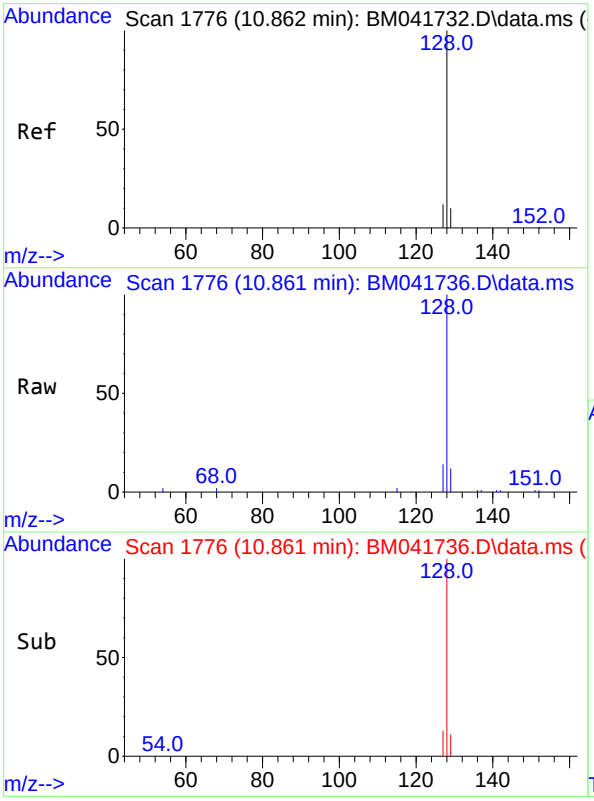

#2
1,4-Dioxane
Concen: 1.609 ng/ul
RT: 3.439 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM041736.D
Acq: 08 Sep 2023 18:35

**Instrument :**
BNA_M
**ClientSampleId :**
SLCS235

Tgt Ion: 88 Resp: 12422

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 39.3 | 33.8 | 50.6 |
| 58 | 73.3 | 54.2 | 81.2 |

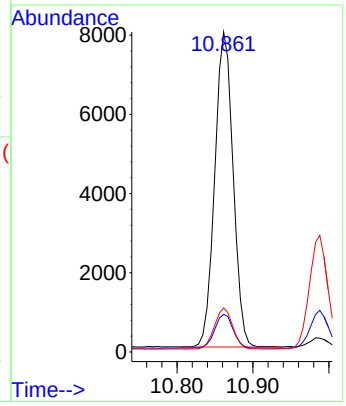


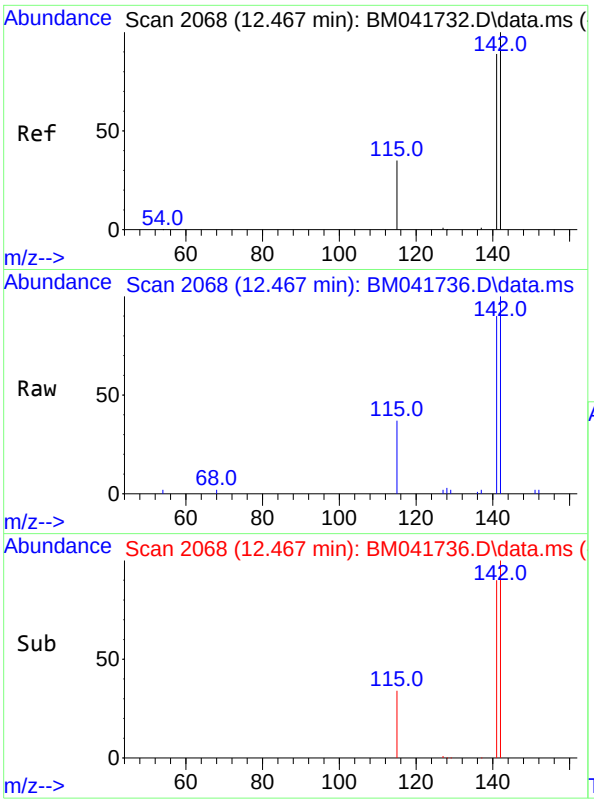




#5
Naphthalene
Concen: 0.357 ng/ul
RT: 10.861 min Scan# 1776
Delta R.T. -0.000 min
Lab File: BM041736.D
Acq: 08 Sep 2023 18:35

Tgt Ion:128 Resp: 13342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.7 | 9.4 | 14.0 |
| 127 | 13.8 | 11.0 | 16.6 |



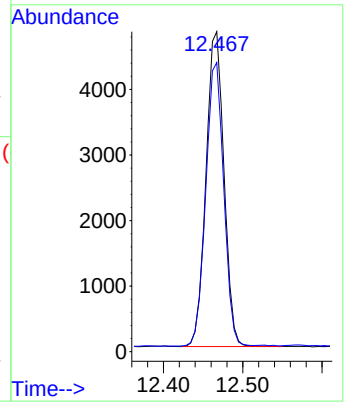


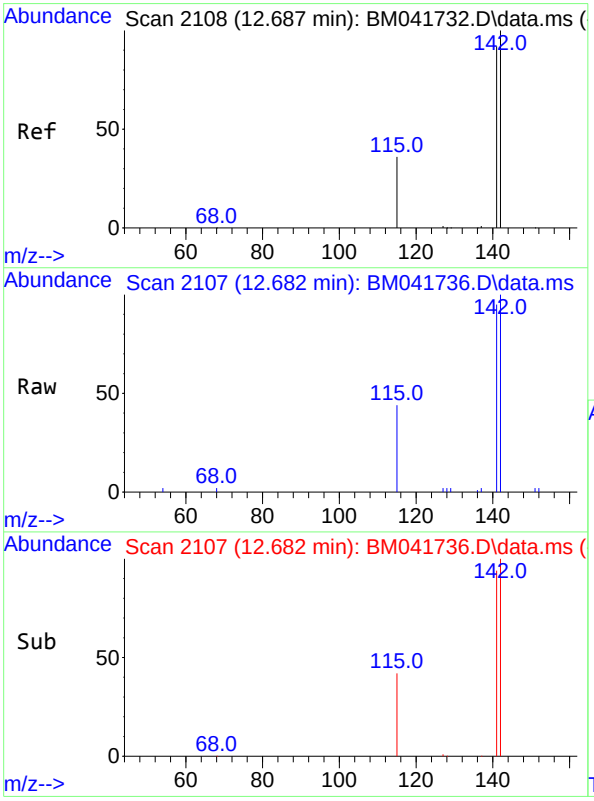

#7
2-Methylnaphthalene
Concen: 0.357 ng/ul
RT: 12.467 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM041736.D
Acq: 08 Sep 2023 18:35

**Instrument :**
BNA_M
**ClientSampleId :**
SLCS235

Tgt Ion:142 Resp: 7575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.8 | 72.2 | 108.2 |

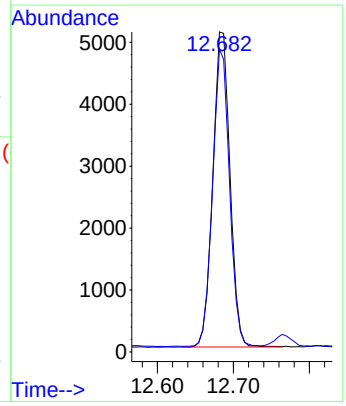


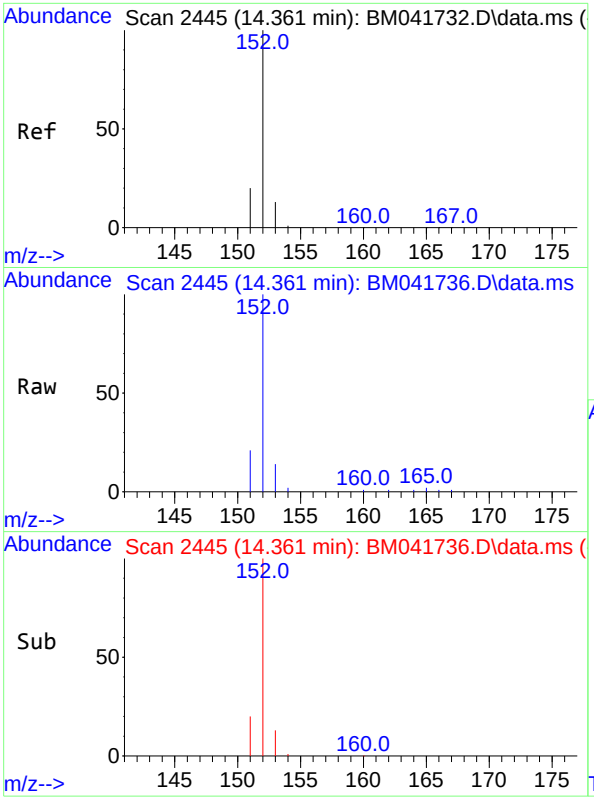




#8
1-Methylnaphthalene
Concen: 0.375 ng/ul
RT: 12.682 min Scan# 2107
Delta R.T. -0.006 min
Lab File: BM041736.D
Acq: 08 Sep 2023 18:35

Tgt Ion:142 Resp: 8002

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



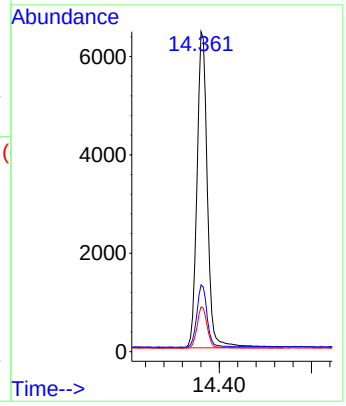


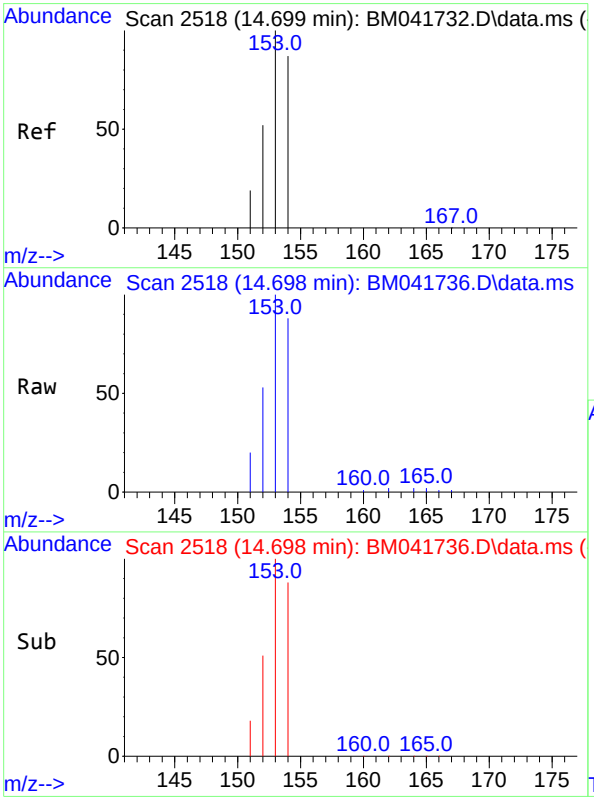

#10
Acenaphthylene
Concen: 0.363 ng/ul
RT: 14.361 min Scan# 24
Delta R.T. -0.005 min
Lab File: BM041736.D
Acq: 08 Sep 2023 18:35

**Instrument :**
BNA_M
**ClientSampleId :**
SLCS235

Tgt Ion:152 Resp: 10087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.9 | 16.4 | 24.6 |
| 153 | 14.0 | 11.1 | 16.7 |

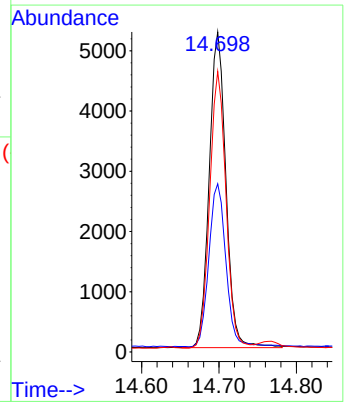


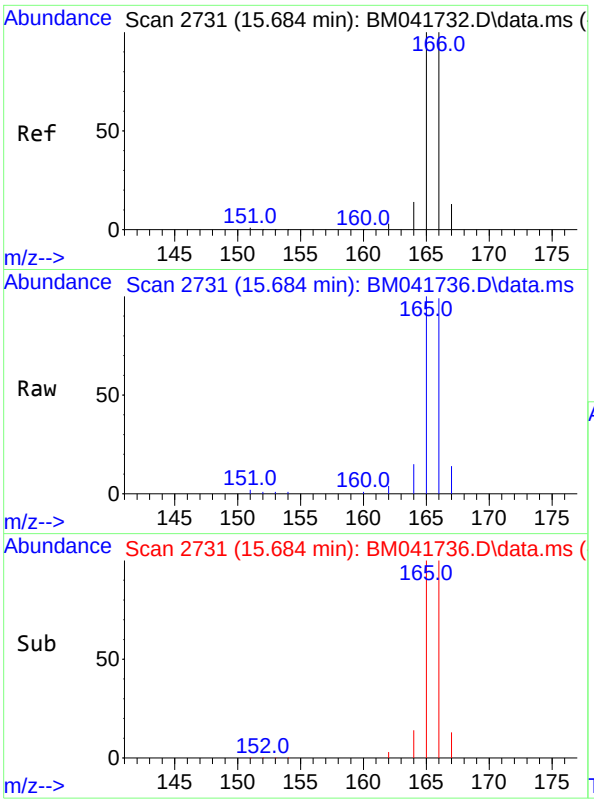




#11
Acenaphthene
Concen: 0.362 ng/ul
RT: 14.698 min Scan# 2518
Delta R.T. -0.005 min
Lab File: BM041736.D
Acq: 08 Sep 2023 18:35

Tgt Ion:153 Resp: 7831

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 52.6 | 43.4 | 65.2 |
| 154 | 87.6 | 69.4 | 104.0 |



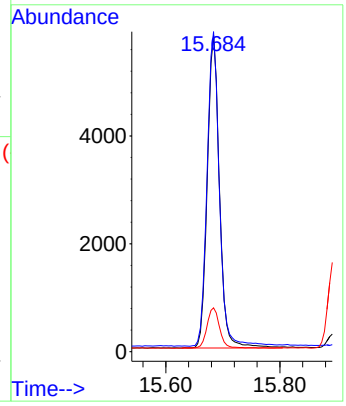


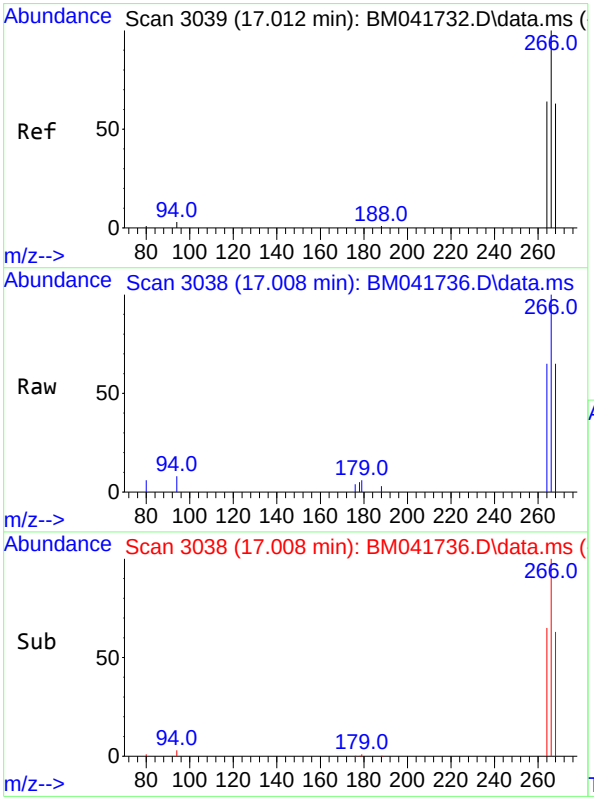

#12
Fluorene
Concen: 0.355 ng/ul
RT: 15.684 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM041736.D
Acq: 08 Sep 2023 18:35

**Instrument :**
BNA_M
**ClientSampleId :**
SLCS235

Tgt Ion:166 Resp: 8613

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 101.1 | 79.4 | 119.2 |
| 167 | 13.8 | 11.3 | 16.9 |

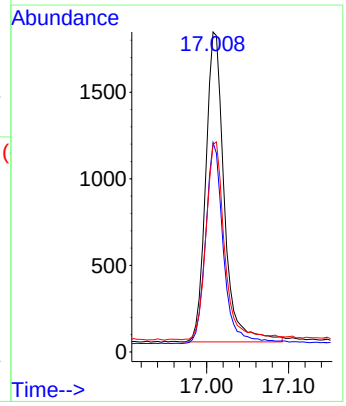


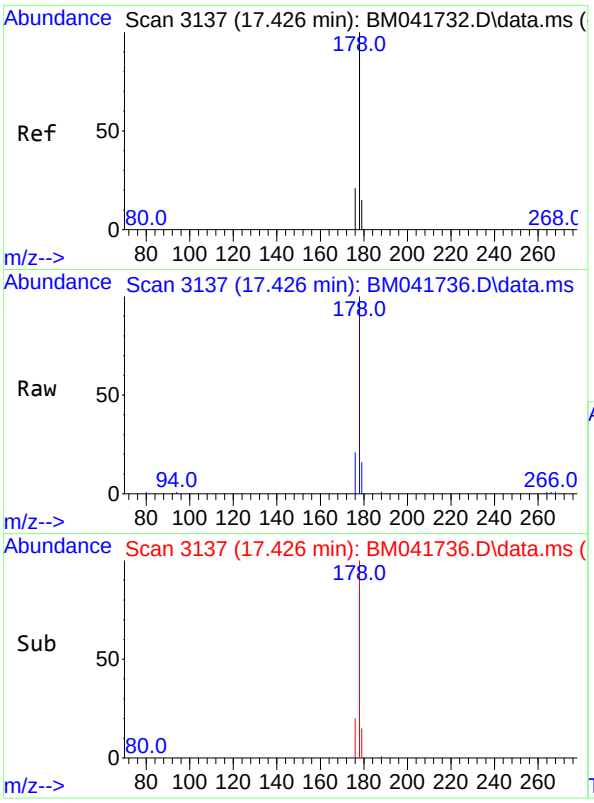




#14
Pentachlorophenol
Concen: 0.799 ng/ul
RT: 17.008 min Scan# 3038
Delta R.T. -0.004 min
Lab File: BM041736.D
Acq: 08 Sep 2023 18:35

Tgt Ion:266 Resp: 2797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 62.5 | 50.0 | 75.0 |
| 268 | 64.2 | 50.8 | 76.2 |



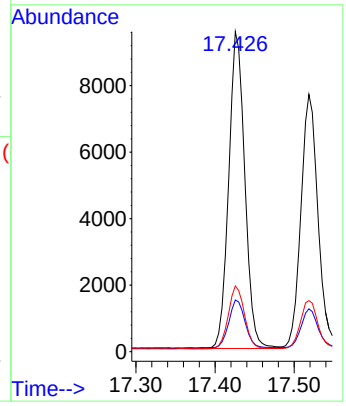


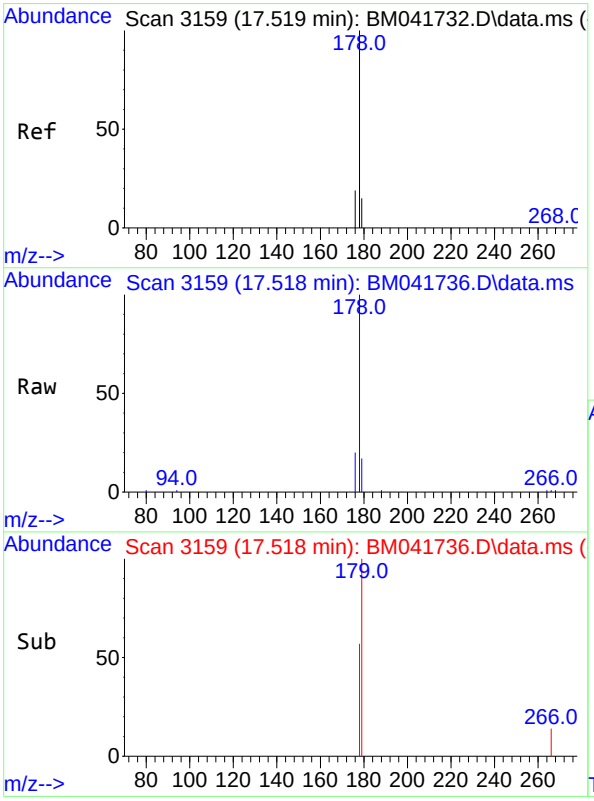

#15
Phenanthrene
Concen: 0.365 ng/ul
RT: 17.426 min Scan# 3
Delta R.T. -0.004 min
Lab File: BM041736.D
Acq: 08 Sep 2023 18:35

**Instrument :**
BNA_M
**ClientSampleId :**
SLCS235

Tgt Ion:178 Resp: 13488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.1 | 12.9 | 19.3 |
| 176 | 20.5 | 16.9 | 25.3 |

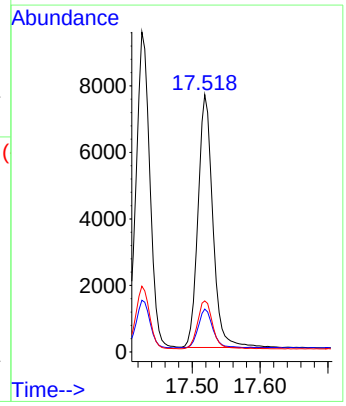


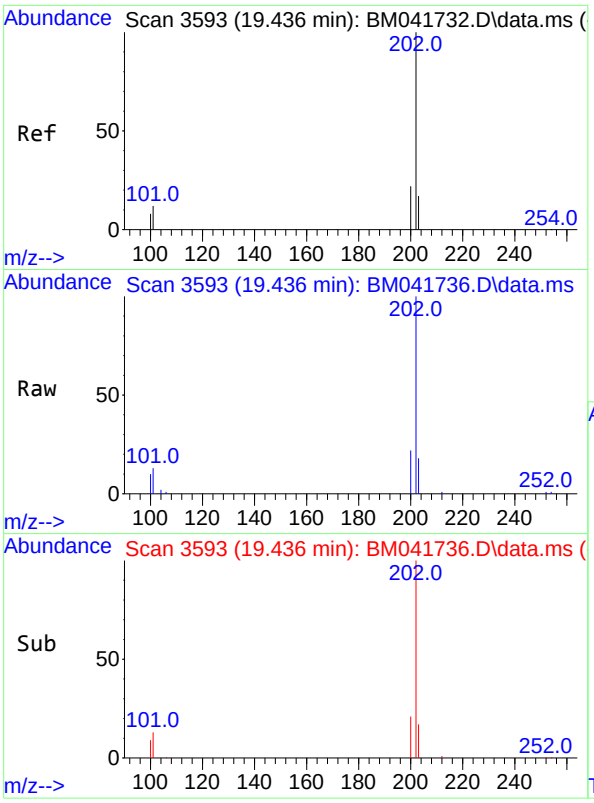




#16
Anthracene
Concen: 0.366 ng/ul
RT: 17.518 min Scan# 3159
Delta R.T. -0.004 min
Lab File: BM041736.D
Acq: 08 Sep 2023 18:35

Tgt Ion:178 Resp: 11570

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.7 | 12.9 | 19.3 |
| 176 | 19.9 | 15.8 | 23.8 |



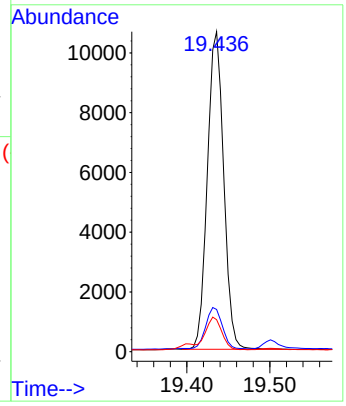


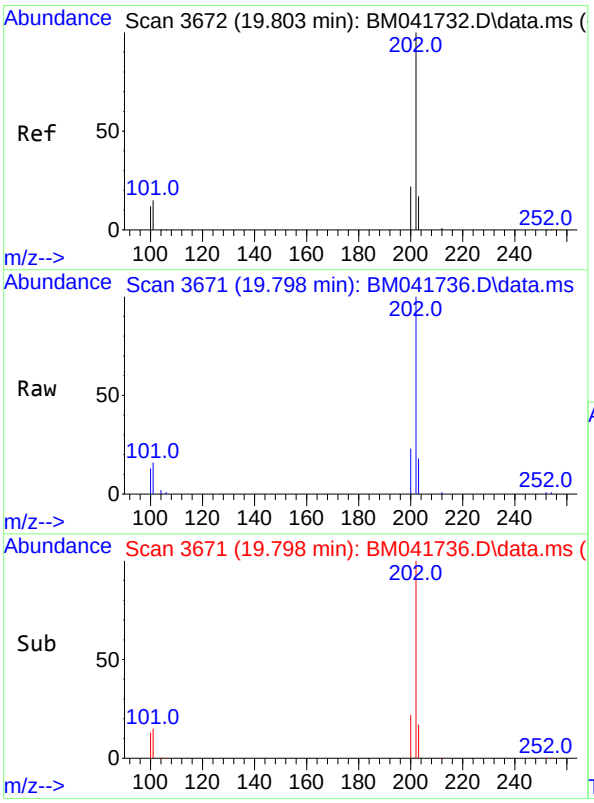

#19
Fluoranthene
Concen: 0.317 ng/ul
RT: 19.436 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM041736.D
Acq: 08 Sep 2023 18:35

**Instrument :**
BNA_M
**ClientSampleId :**
SLCS235

Tgt Ion:202 Resp: 14564

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.2 | 10.5 | 15.7 |
| 100 | 10.0 | 8.4 | 12.6 |

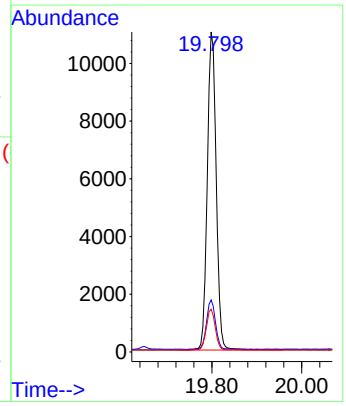


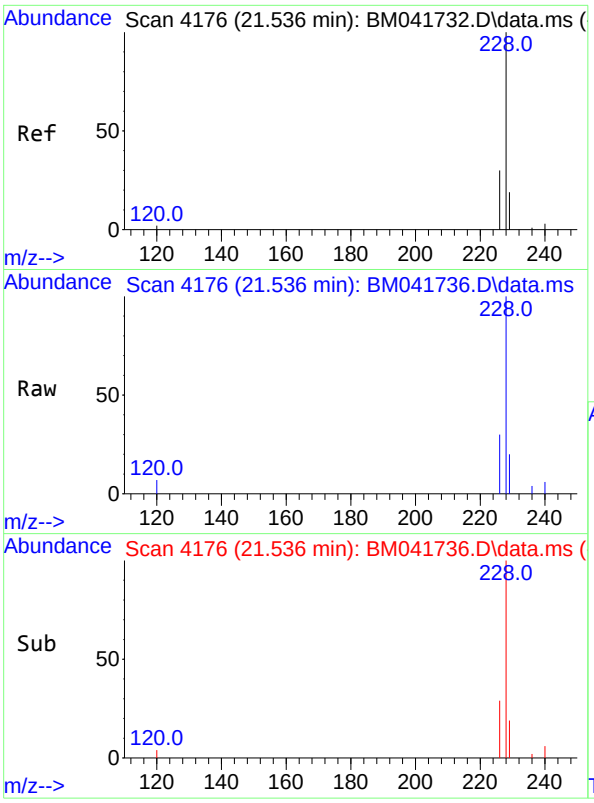




#20
Pyrene
Concen: 0.335 ng/ul
RT: 19.798 min Scan# 3671
Delta R.T. -0.005 min
Lab File: BM041736.D
Acq: 08 Sep 2023 18:35

Tgt Ion:202 Resp: 15258

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 16.2 | 11.8 | 17.8 |
| 100 | 13.3 | 9.8 | 14.6 |



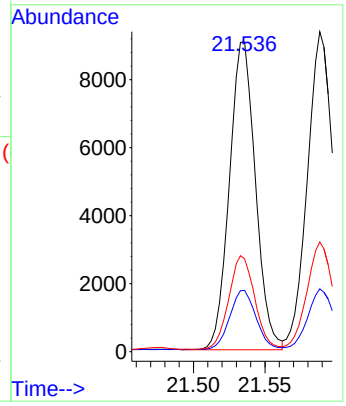


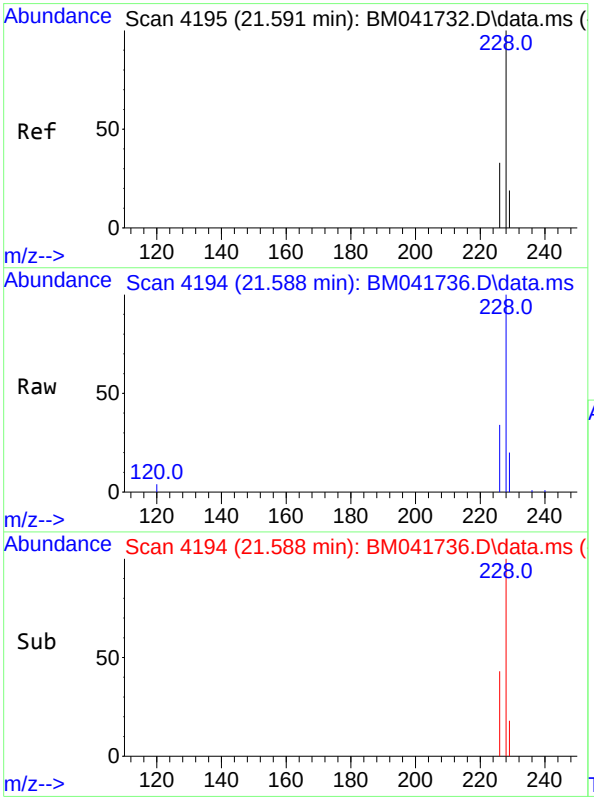

#21
Benzo(a)anthracene
Concen: 0.363 ng/ul
RT: 21.536 min Scan# 4
Delta R.T. -0.003 min
Lab File: BM041736.D
Acq: 08 Sep 2023 18:35

**Instrument :**
BNA_M
**ClientSampleId :**
SLCS235

Tgt Ion:228 Resp: 11503

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 19.8 | 15.8 | 23.6 |
| 226 | 30.0 | 24.8 | 37.2 |

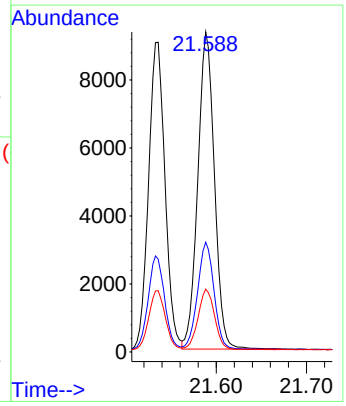


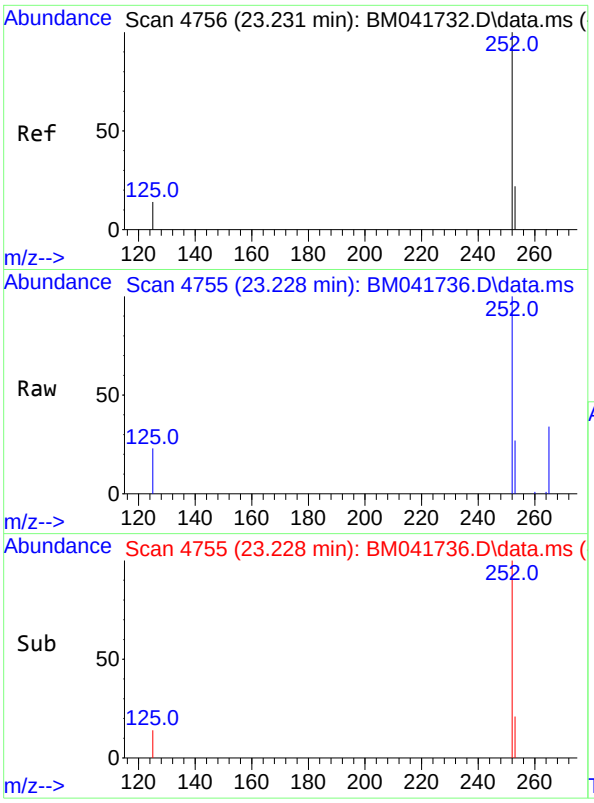




#22
Chrysene
Concen: 0.348 ng/ul
RT: 21.588 min Scan# 4194
Delta R.T. -0.003 min
Lab File: BM041736.D
Acq: 08 Sep 2023 18:35

Tgt Ion:228 Resp: 11923

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 34.3 | 27.0 | 40.6 |
| 229 | 19.7 | 15.4 | 23.2 |



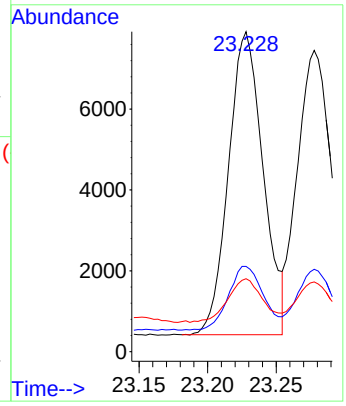


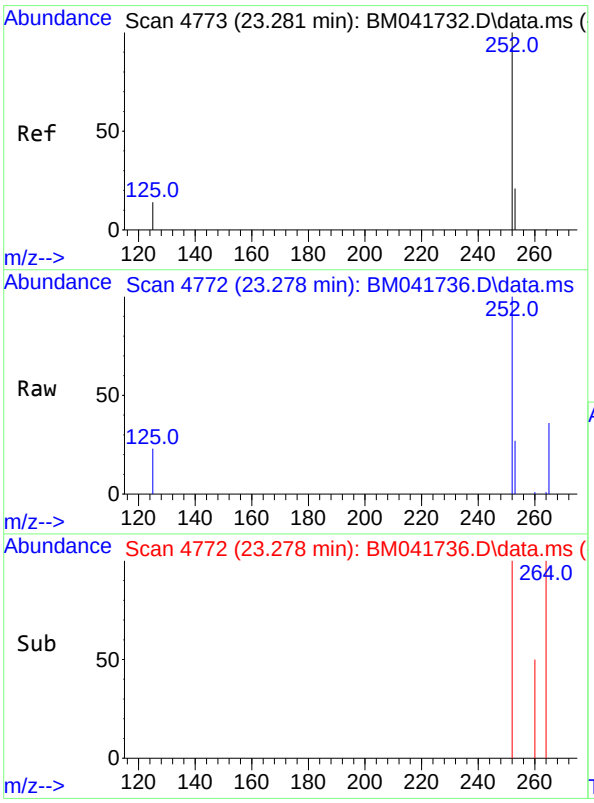

#24
Benzo(b)fluoranthene
Concen: 0.328 ng/ul
RT: 23.228 min Scan# 4
Delta R.T. -0.003 min
Lab File: BM041736.D
Acq: 08 Sep 2023 18:35

**Instrument :**
BNA_M
**ClientSampleId :**
SLCS235

Tgt Ion:252 Resp: 13197

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 26.7 | 0.0 | 52.4 |
| 125 | 22.8 | 0.0 | 42.8 |

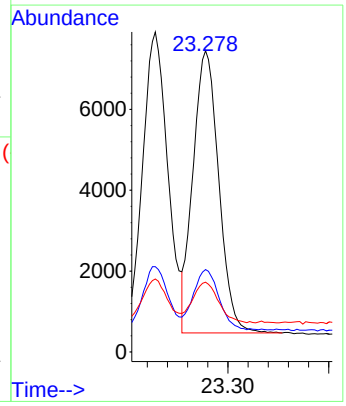


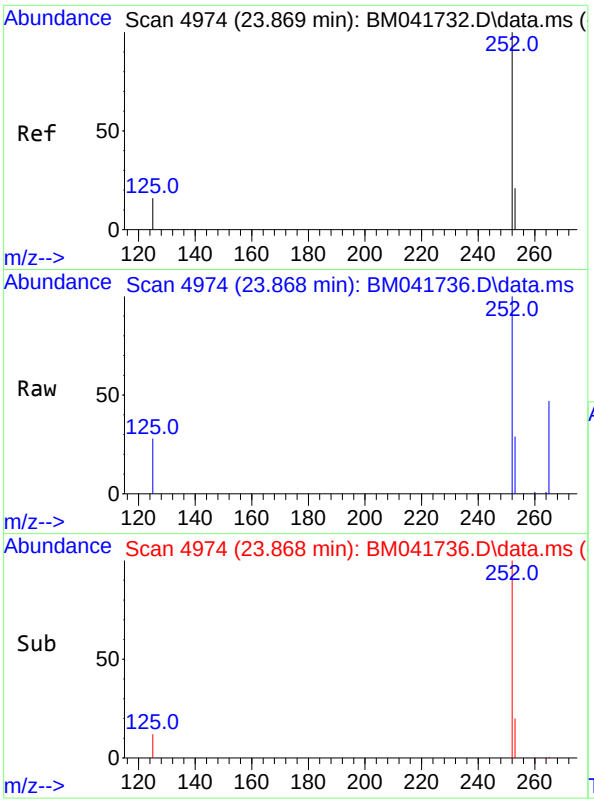




#25
Benzo(k)fluoranthene
Concen: 0.313 ng/ul
RT: 23.278 min Scan# 4772
Delta R.T. -0.003 min
Lab File: BM041736.D
Acq: 08 Sep 2023 18:35

Tgt Ion:252 Resp: 12354

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 27.3 | 21.3 | 31.9 |
| 125 | 23.2 | 17.4 | 26.0 |



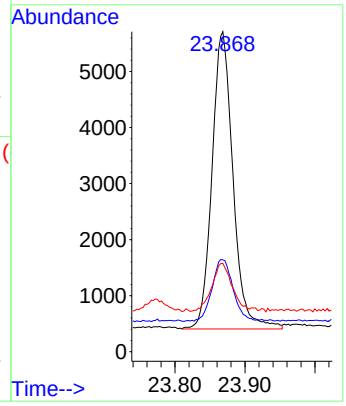


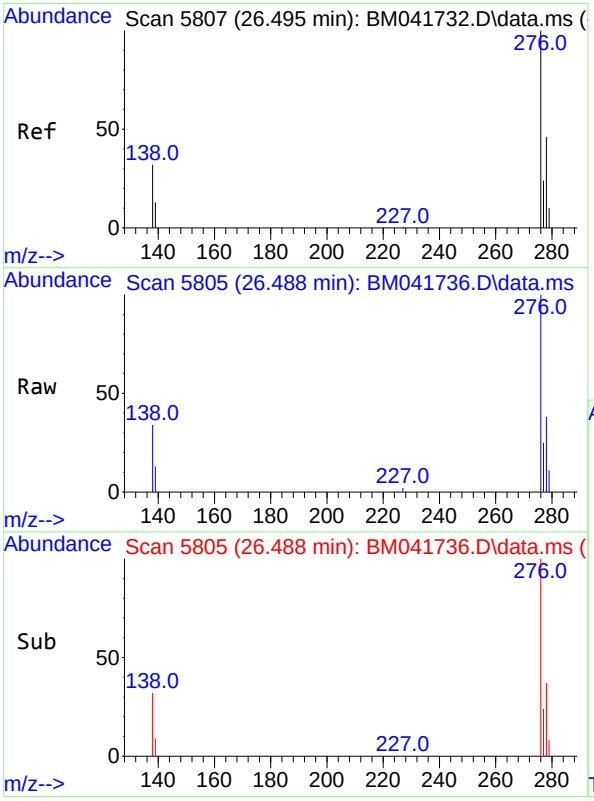

#26
Benzo(a)pyrene
Concen: 0.338 ng/ul
RT: 23.868 min Scan# 4
Delta R.T. -0.006 min
Lab File: BM041736.D
Acq: 08 Sep 2023 18:35

**Instrument :**
BNA_M
**ClientSampleId :**
SLCS235

Tgt Ion:252 Resp: 11055

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 28.7 | 22.4 | 33.6 |
| 125 | 27.6 | 21.0 | 31.4 |

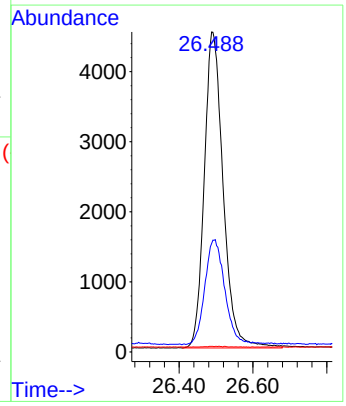


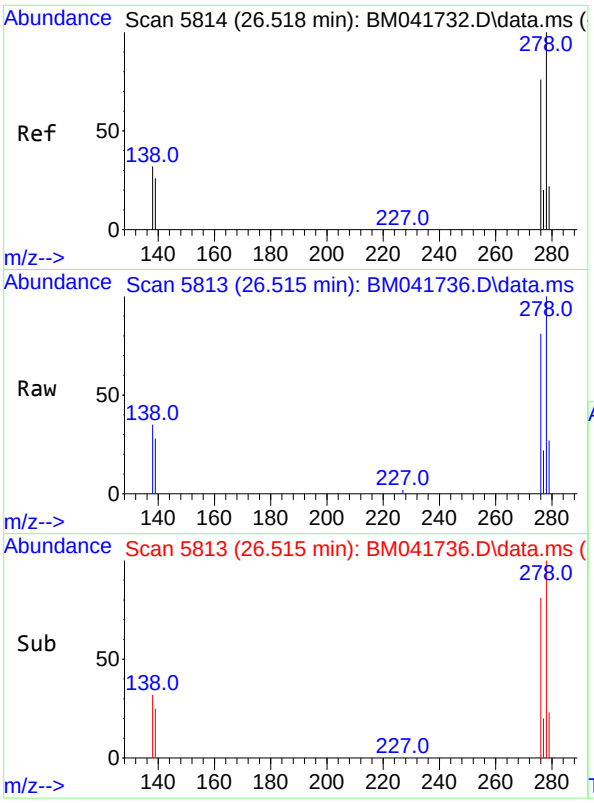




#27
Indeno(1,2,3-cd)pyrene
Concen: 0.357 ng/ul
RT: 26.488 min Scan# 5805
Delta R.T. -0.013 min
Lab File: BM041736.D
Acq: 08 Sep 2023 18:35

Tgt Ion:276 Resp: 16016

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 34.8 | 26.4 | 39.6 |
| 227 | 0.0 | 0.1 | 0.1# |



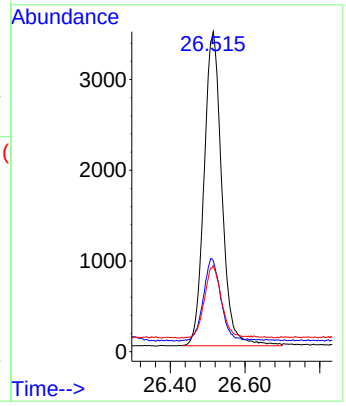


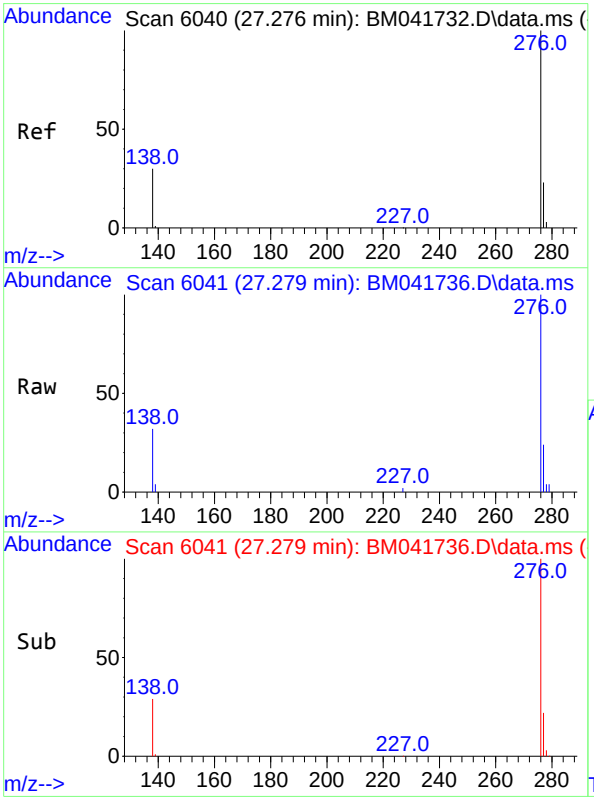

#28
Dibenzo(a,h)anthracene
Concen: 0.362 ng/ul
RT: 26.515 min Scan# 5
Delta R.T. -0.007 min
Lab File: BM041736.D
Acq: 08 Sep 2023 18:35

**Instrument :**
BNA_M
**ClientSampleId :**
SLCS235

Tgt Ion:278 Resp: 11406

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 28.5 | 23.0 | 34.6 |
| 279 | 26.8 | 22.9 | 34.3 |




#29
Benzo(g,h,i)perylene
Concen: 0.351 ng/ul
RT: 27.279 min Scan# 6041
Delta R.T. -0.007 min
Lab File: BM041736.D
Acq: 08 Sep 2023 18:35

Tgt Ion:276 Resp: 13957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 31.7 | 25.0 | 37.4 |
| 277 | 24.5 | 20.2 | 30.2 |