Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051923\
Data File : BM039959.D
Acq On : 19 May 2023 15:17
Operator : CG/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SICV049

Quant Time: May 19 16:56:51 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM051923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 19 15:08:18 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.029 | 152 | 7936 | 0.400 | ng/ul | 0.00 |
| 4) Naphthalene-d8 | 10.844 | 136 | 22940 | 0.400 | ng/ul | 0.00 |
| 9) Acenaphthene-d10 | 14.660 | 164 | 9944 | 0.400 | ng/ul | 0.00 |
| 13) Phenanthrene-d10 | 17.404 | 188 | 17496 | 0.400 | ng/ul | 0.00 |
| 17) Chrysene-d12 | 21.576 | 240 | 8115 | 0.400 | ng/ul | 0.00 |
| 23) Perylene-d12 | 24.034 | 264 | 7482 | 0.400 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.401 | 96 | 4721 | 0.453 | ng/ul | 0.00 |
| 6) 2-Methylnaphthalene-d10 | 12.428 | 152 | 13023 | 0.493 | ng/ul | 0.00 |
| 18) Fluoranthene-d10 | 19.426 | 212 | 14074 | 0.539 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.434 | 88 | 4962 | 0.444 | ng/ul | 99 |
| 5) Naphthalene | 10.894 | 128 | 27056 | 0.458 | ng/ul | 100 |
| 7) 2-Methylnaphthalene | 12.499 | 142 | 16028 | 0.481 | ng/ul | 100 |
| 8) 1-Methylnaphthalene | 12.719 | 142 | 15064 | 0.433 | ng/ul | 100 |
| 10) Acenaphthylene | 14.383 | 152 | 18880 | 0.461 | ng/ul | 99 |
| 11) Acenaphthene | 14.725 | 153 | 15524 | 0.462 | ng/ul | 99 |
| 12) Fluorene | 15.706 | 166 | 15693 | 0.462 | ng/ul | 100 |
| 14) Pentachlorophenol | 17.049 | 266 | 1328 | 0.367 | ng/ul | 98 |
| 15) Phenanthrene | 17.442 | 178 | 22573 | 0.452 | ng/ul | 99 |
| 16) Anthracene | 17.535 | 178 | 17714 | 0.434 | ng/ul | 99 |
| 19) Fluoranthene | 19.454 | 202 | 18853 | 0.484 | ng/ul | 99 |
| 20) Pyrene | 19.816 | 202 | 18486 | 0.480 | ng/ul | 97 |
| 21) Benzo(a)anthracene | 21.561 | 228 | 11193 | 0.441 | ng/ul | 99 |
| 22) Chrysene | 21.614 | 228 | 13837 | 0.470 | ng/ul | 99 |
| 24) Benzo(b)fluoranthene | 23.283 | 252 | 12875 | 0.434 | ng/ul | 99 |
| 25) Benzo(k)fluoranthene | 23.333 | 252 | 13146 | 0.428 | ng/ul | 100 |
| 26) Benzo(a)pyrene | 23.923 | 252 | 10495 | 0.438 | ng/ul | 98 |
| 27) Indeno(1,2,3-cd)pyrene | 26.591 | 276 | 14298 | 0.438 | ng/ul# | 99 |
| 28) Dibenzo(a,h)anthracene | 26.612 | 278 | 11401 | 0.435 | ng/ul | 100 |
| 29) Benzo(g,h,i)perylene | 27.369 | 276 | 12405 | 0.443 | ng/ul | 98 |

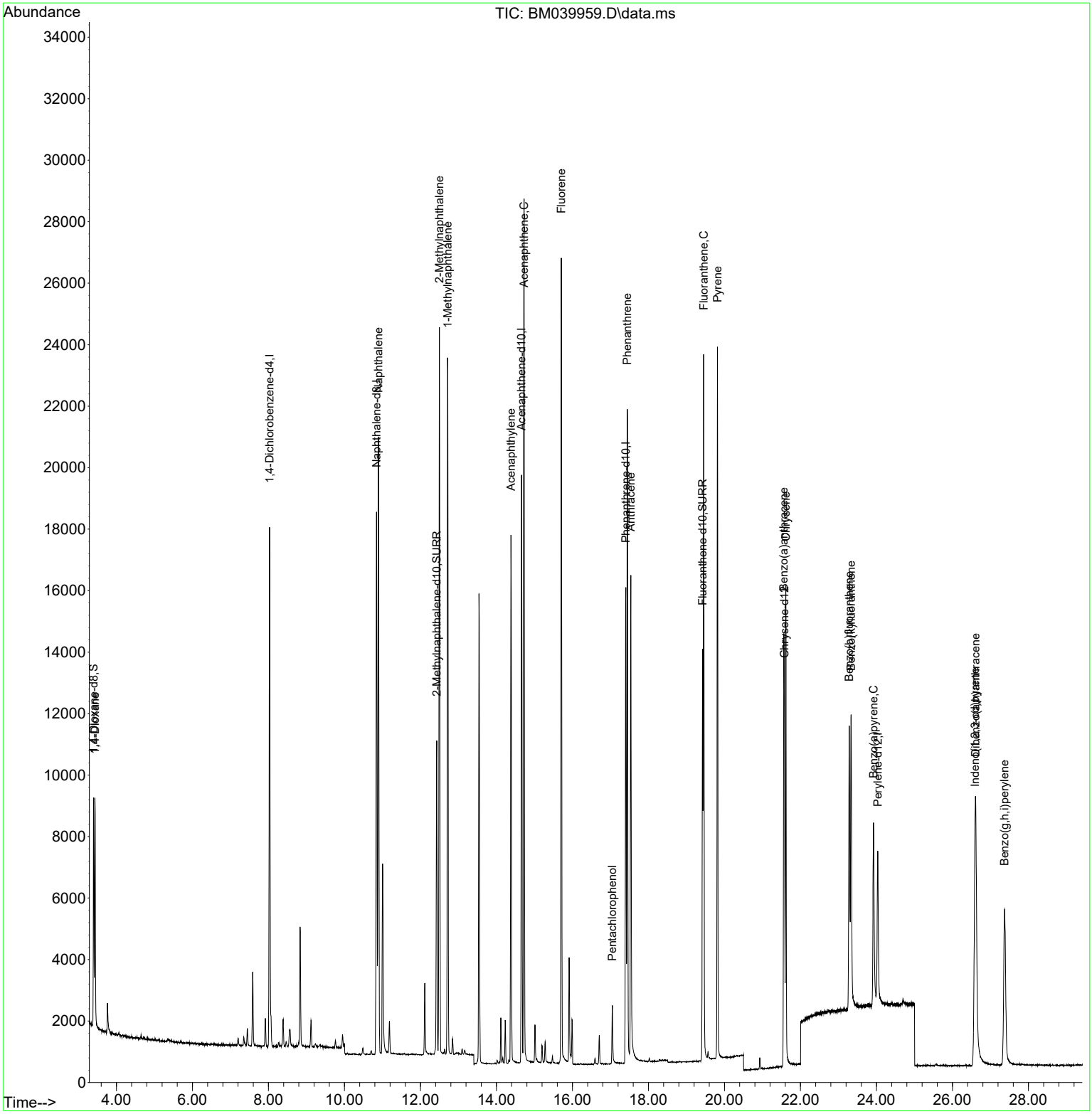
(#) = qualifier out of range (m) = manual integration (+) = signals summed

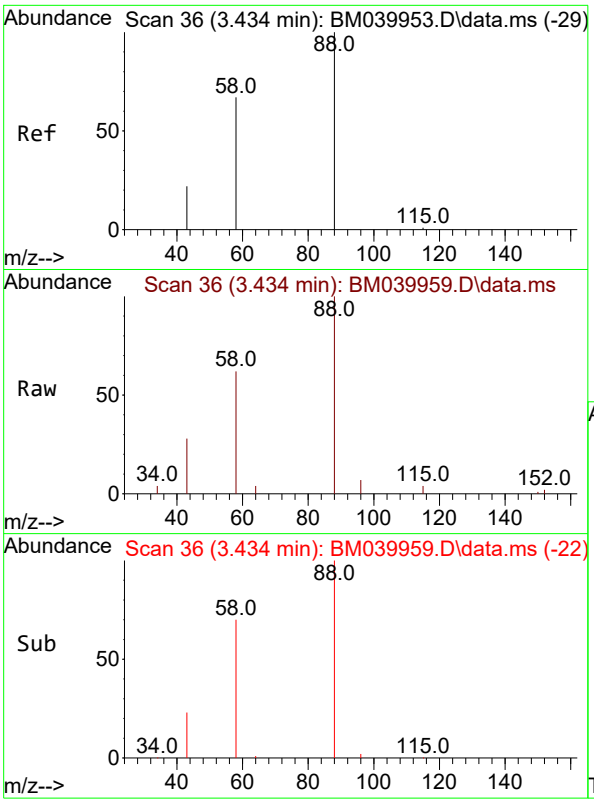
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051923\
Data File : BM039959.D
Acq On : 19 May 2023 15:17
Operator : CG/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SICV049

Quant Time: May 19 16:56:51 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM051923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 19 15:08:18 2023
Response via : Initial Calibration



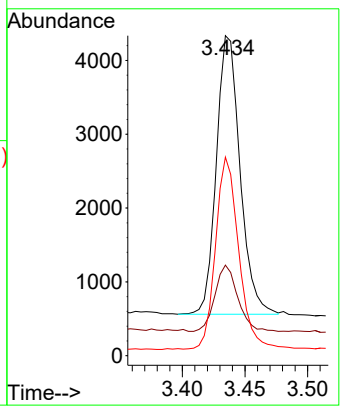


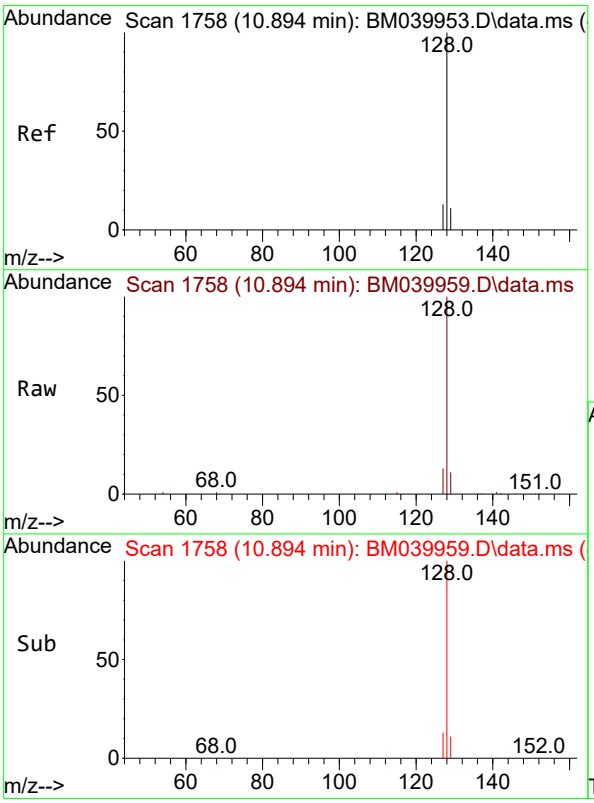

#2
1,4-Dioxane
Concen: 0.444 ng/ul
RT: 3.434 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM039959.D
Acq: 19 May 2023 15:17

**Instrument :**
BNA_M
**ClientSampleId :**
SICV049

Tgt Ion: 88 Resp: 4962

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 28.3 | 21.7 | 32.5 |
| 58 | 62.1 | 49.4 | 74.0 |

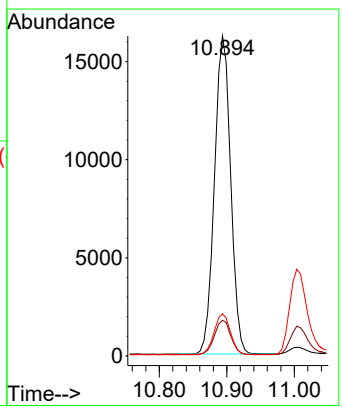


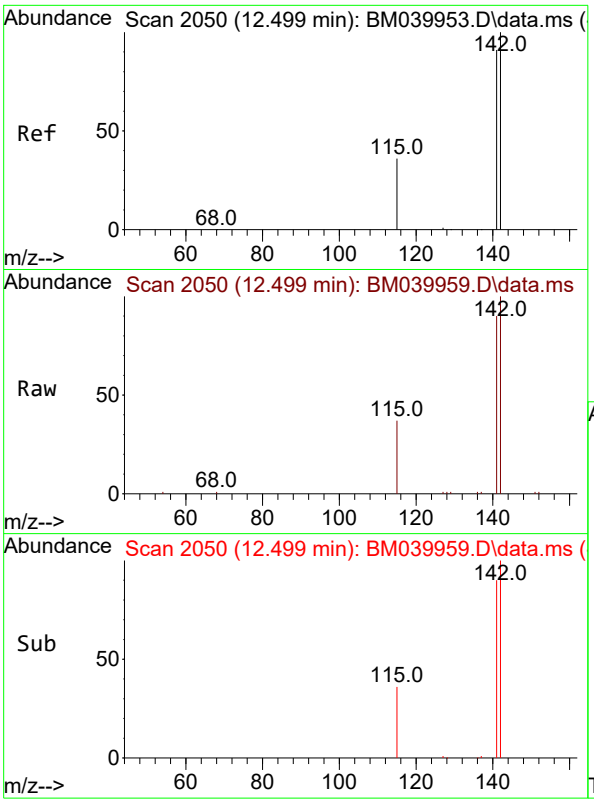




#5
Naphthalene
Concen: 0.458 ng/ul
RT: 10.894 min Scan# 1758
Delta R.T. 0.000 min
Lab File: BM039959.D
Acq: 19 May 2023 15:17

Tgt Ion:128 Resp: 27056

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.2 | 9.0 | 13.6 |
| 127 | 13.2 | 10.4 | 15.6 |



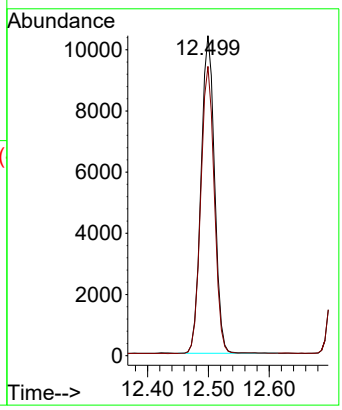


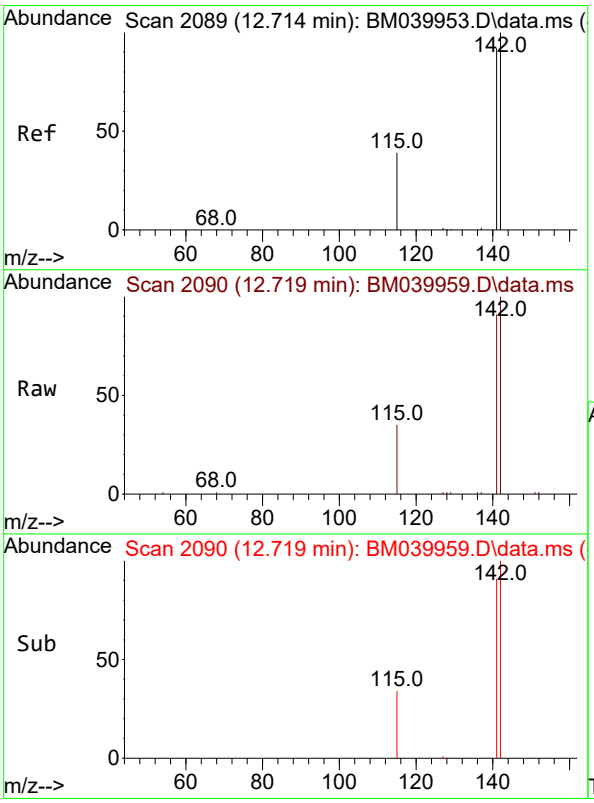

#7
2-Methylnaphthalene
Concen: 0.481 ng/ul
RT: 12.499 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM039959.D
Acq: 19 May 2023 15:17

**Instrument :**
BNA_M
**ClientSampleId :**
SICV049

Tgt Ion:142 Resp: 16028

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.5 | 72.4 | 108.6 |

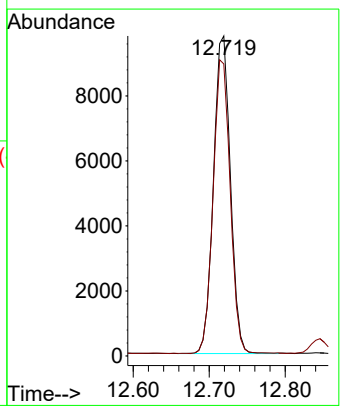


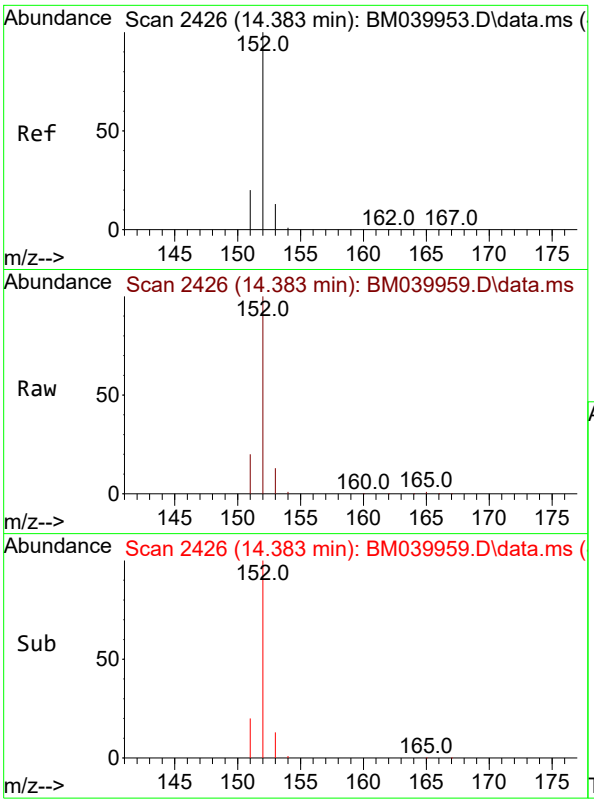




#8
1-Methylnaphthalene
Concen: 0.433 ng/ul
RT: 12.719 min Scan# 2090
Delta R.T. 0.006 min
Lab File: BM039959.D
Acq: 19 May 2023 15:17

Tgt Ion:142 Resp: 15064

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 93.2 | 74.7 | 112.1 |



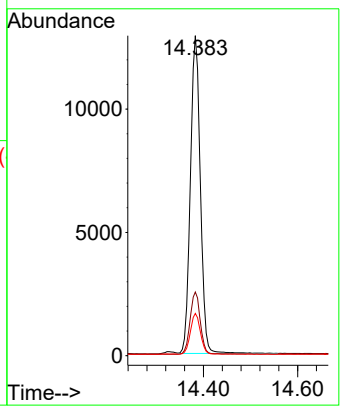


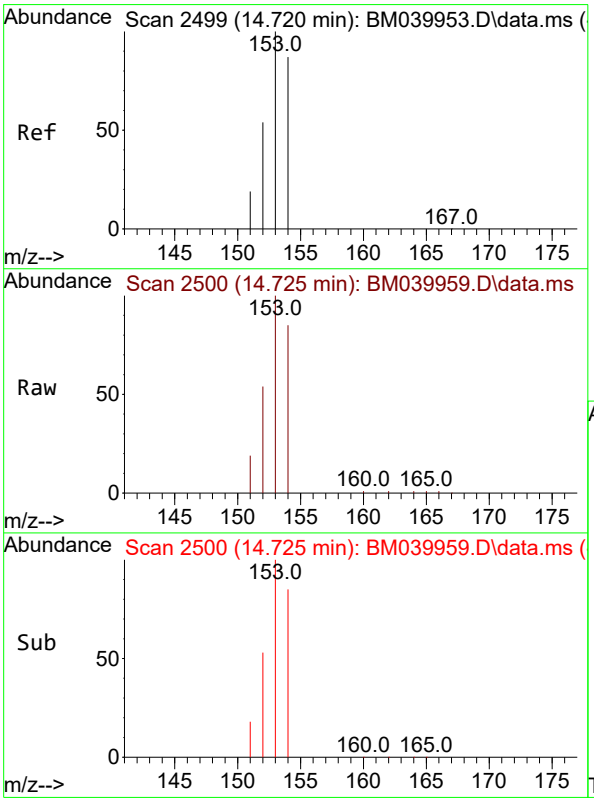

#10
Acenaphthylene
Concen: 0.461 ng/ul
RT: 14.383 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM039959.D
Acq: 19 May 2023 15:17

**Instrument :**
BNA_M
**ClientSampleId :**
SICV049

Tgt Ion:152 Resp: 18880

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.9 | 16.3 | 24.5 |
| 153 | 13.2 | 10.6 | 15.8 |

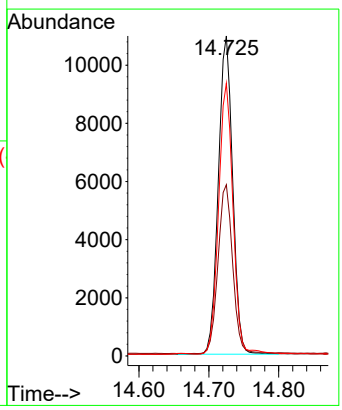


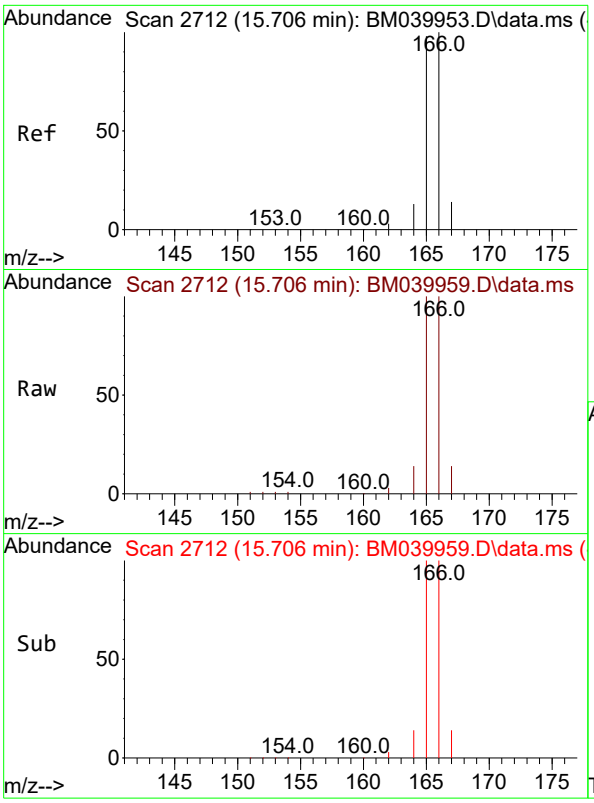




#11
Acenaphthene
Concen: 0.462 ng/ul
RT: 14.725 min Scan# 2500
Delta R.T. 0.005 min
Lab File: BM039959.D
Acq: 19 May 2023 15:17

Tgt Ion:153 Resp: 15524

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 53.5 | 43.5 | 65.3 |
| 154 | 85.2 | 67.8 | 101.6 |



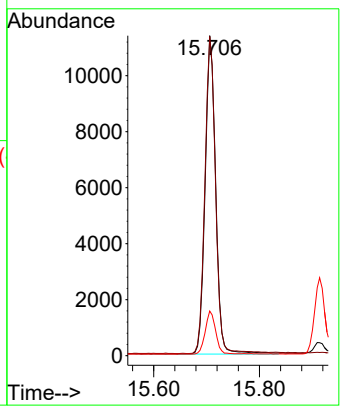


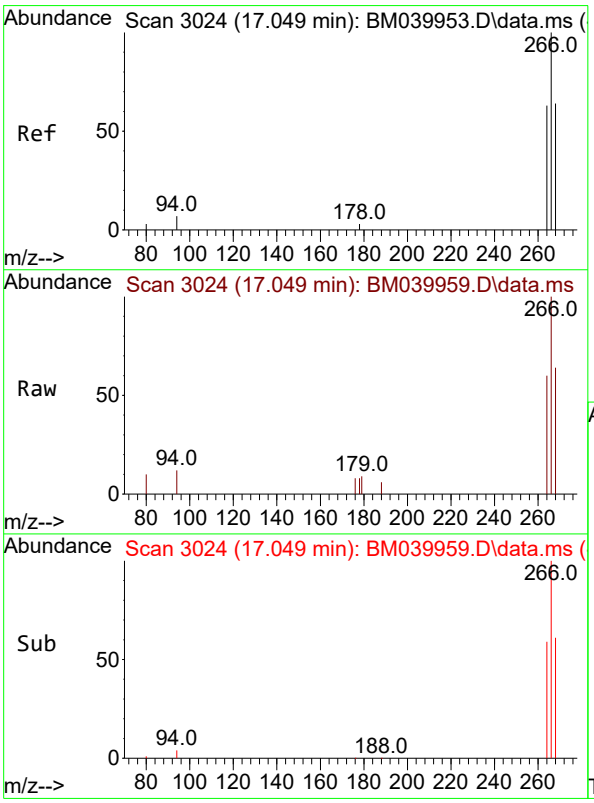

#12
Fluorene
Concen: 0.462 ng/ul
RT: 15.706 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM039959.D
Acq: 19 May 2023 15:17

**Instrument :**
BNA_M
**ClientSampleId :**
SICV049

Tgt Ion:166 Resp: 15693

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 99.8 | 80.1 | 120.1 |
| 167 | 13.9 | 11.0 | 16.4 |

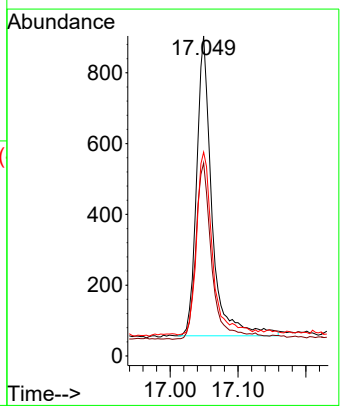


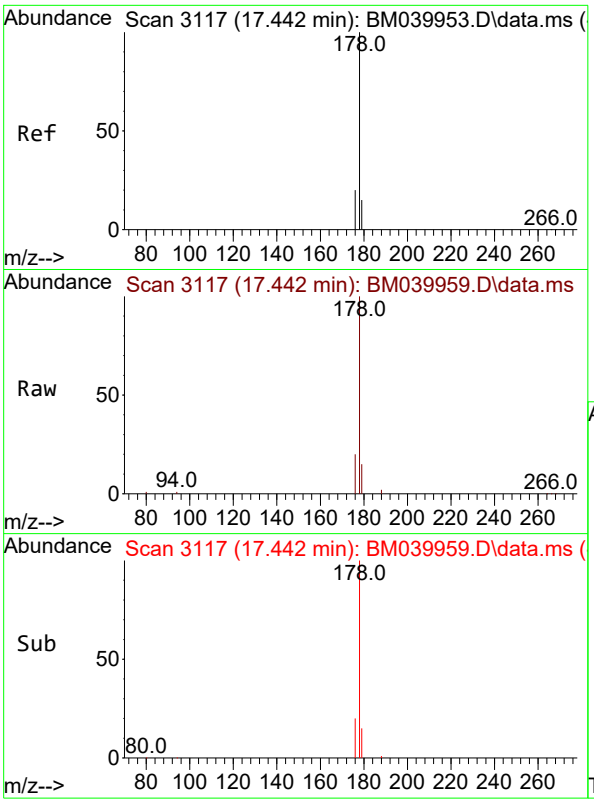




#14
Pentachlorophenol
Concen: 0.367 ng/ul
RT: 17.049 min Scan# 3024
Delta R.T. 0.004 min
Lab File: BM039959.D
Acq: 19 May 2023 15:17

Tgt Ion:266 Resp: 1328

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 62.4 | 51.0 | 76.6 |
| 268 | 64.9 | 53.4 | 80.2 |



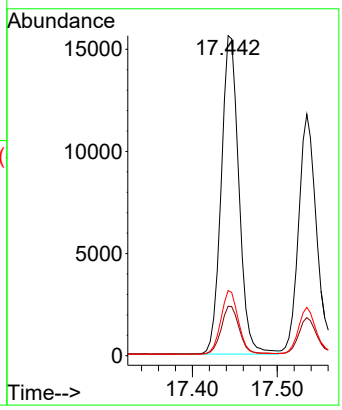


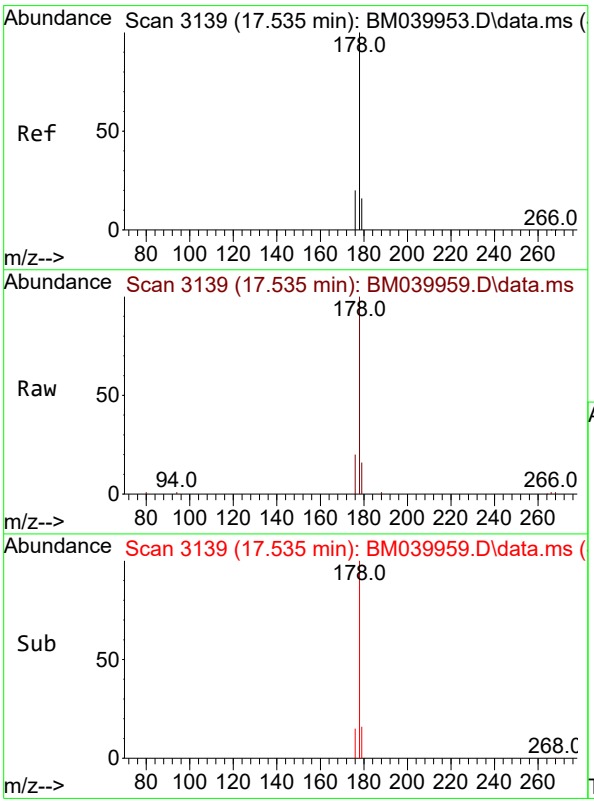

#15
Phenanthrene
Concen: 0.452 ng/ul
RT: 17.442 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM039959.D
Acq: 19 May 2023 15:17

**Instrument :**
BNA_M
**ClientSampleId :**
SICV049

Tgt Ion:178 Resp: 22573

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.5 | 12.5 | 18.7 |
| 176 | 20.3 | 16.6 | 24.8 |

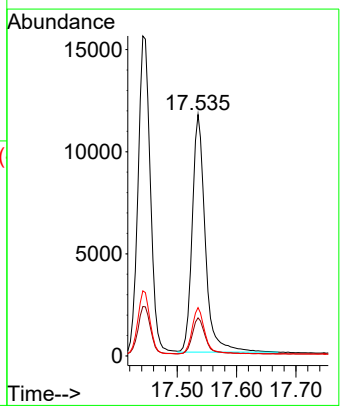


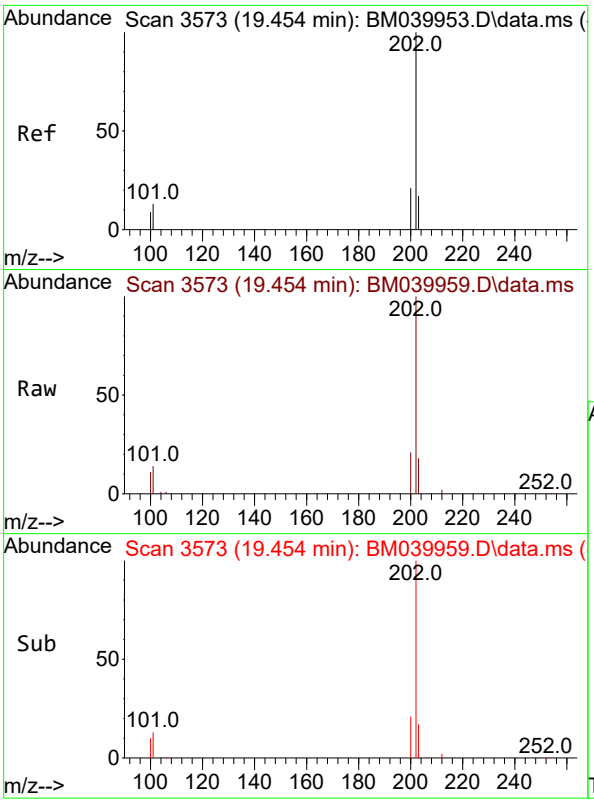




#16
Anthracene
Concen: 0.434 ng/ul
RT: 17.535 min Scan# 3139
Delta R.T. 0.000 min
Lab File: BM039959.D
Acq: 19 May 2023 15:17

Tgt Ion:178 Resp: 17714

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.8 | 12.6 | 18.8 |
| 176 | 20.0 | 15.6 | 23.4 |



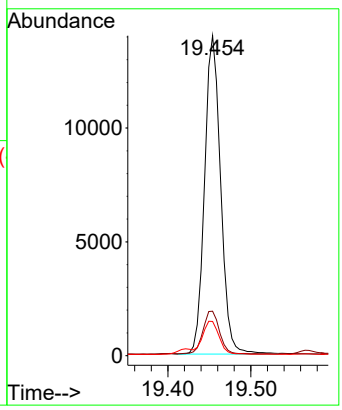


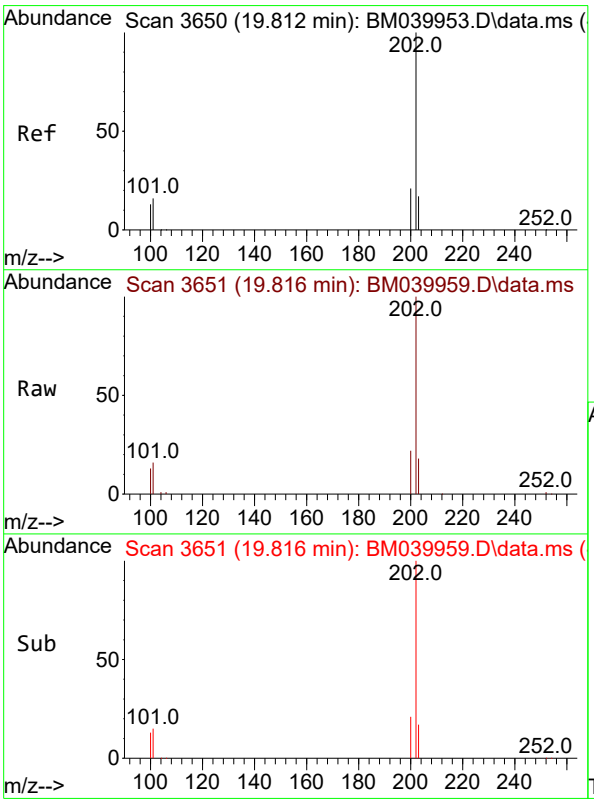

#19
Fluoranthene
Concen: 0.484 ng/ul
RT: 19.454 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM039959.D
Acq: 19 May 2023 15:17

**Instrument :**
BNA_M
**ClientSampleId :**
SICV049

Tgt Ion:202 Resp: 18853

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.9 | 10.8 | 16.2 |
| 100 | 10.7 | 8.2 | 12.4 |

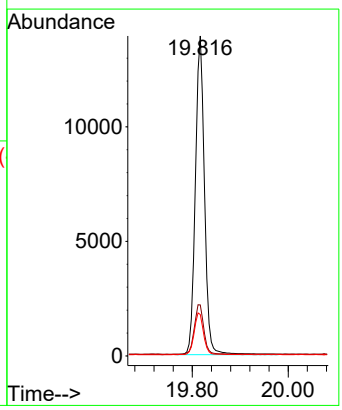


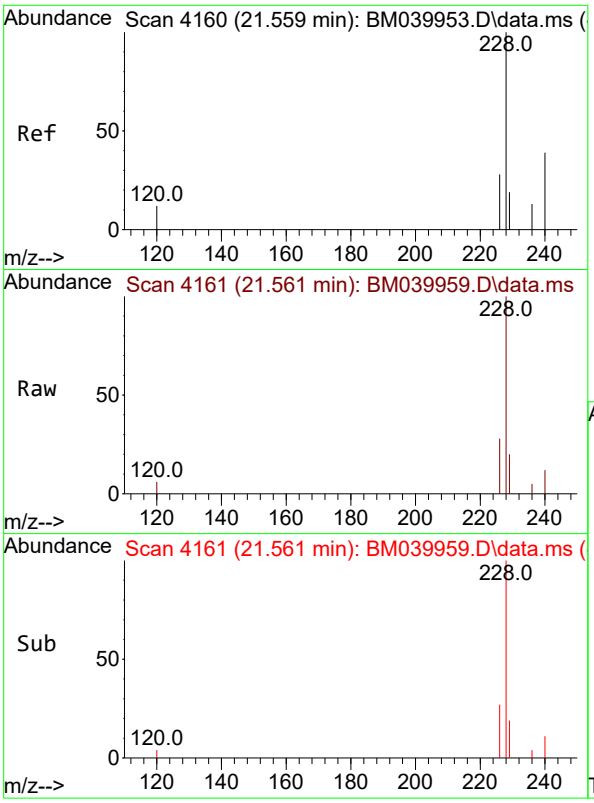




#20
Pyrene
Concen: 0.480 ng/ul
RT: 19.816 min Scan# 3651
Delta R.T. 0.005 min
Lab File: BM039959.D
Acq: 19 May 2023 15:17

Tgt Ion:202 Resp: 18486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 16.0 | 13.8 | 20.6 |
| 100 | 12.9 | 11.1 | 16.7 |



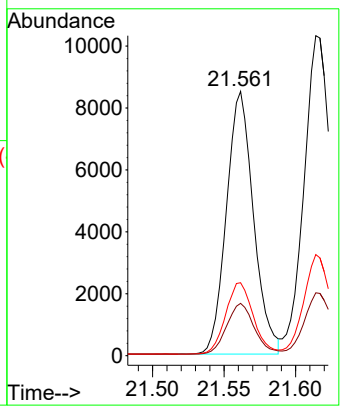


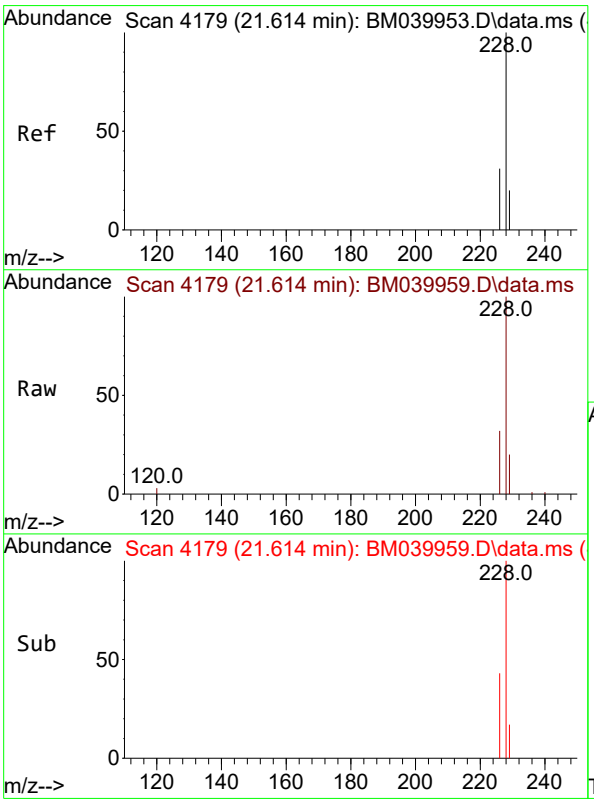

#21
Benzo(a)anthracene
Concen: 0.441 ng/ul
RT: 21.561 min Scan# 4
Delta R.T. 0.003 min
Lab File: BM039959.D
Acq: 19 May 2023 15:17

**Instrument :**
BNA_M
**ClientSampleId :**
SICV049

Tgt Ion:228 Resp: 11193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 19.8 | 15.7 | 23.5 |
| 226 | 27.6 | 22.7 | 34.1 |

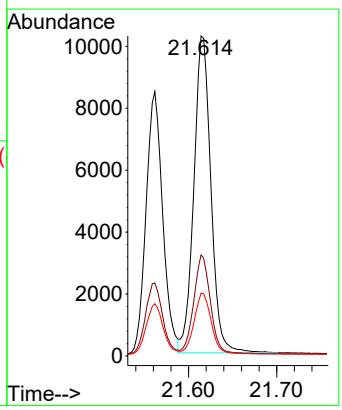


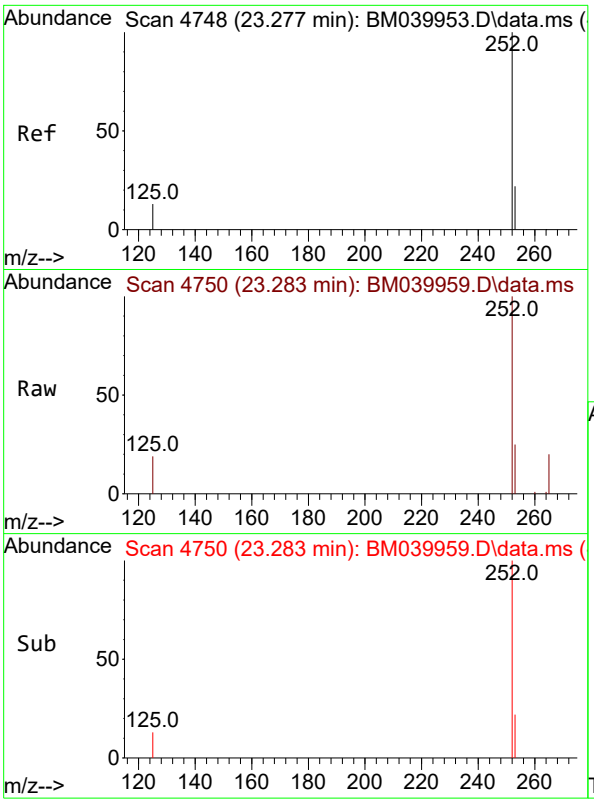




#22
Chrysene
Concen: 0.470 ng/ul
RT: 21.614 min Scan# 4179
Delta R.T. 0.000 min
Lab File: BM039959.D
Acq: 19 May 2023 15:17

Tgt Ion:228 Resp: 13837

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.6 | 24.6 | 36.8 |
| 229 | 19.6 | 15.8 | 23.6 |



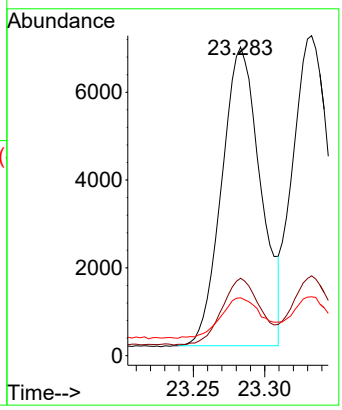


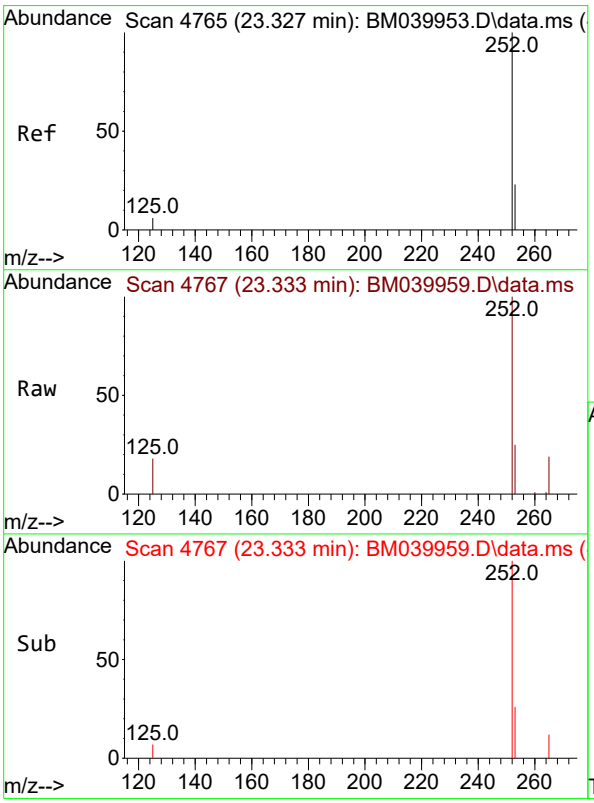

#24
Benzo(b)fluoranthene
Concen: 0.434 ng/ul
RT: 23.283 min Scan# 4
Delta R.T. 0.006 min
Lab File: BM039959.D
Acq: 19 May 2023 15:17

**Instrument :**
BNA_M
**ClientSampleId :**
SICV049

Tgt Ion:252 Resp: 12875

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.1 | 0.0 | 49.2 |
| 125 | 18.8 | 0.0 | 37.2 |

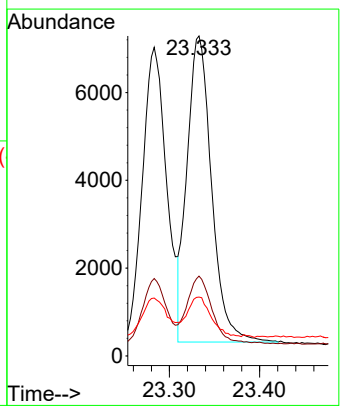


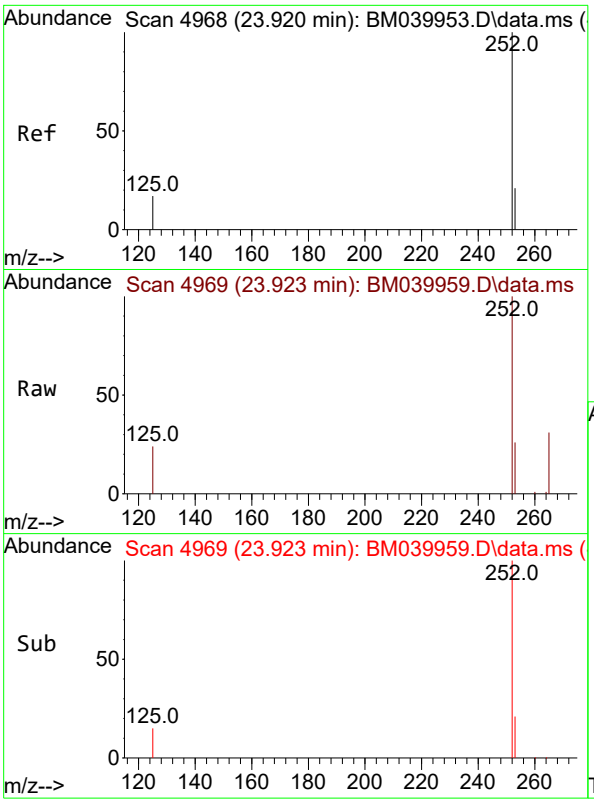




#25
Benzo(k)fluoranthene
Concen: 0.428 ng/ul
RT: 23.333 min Scan# 4767
Delta R.T. 0.003 min
Lab File: BM039959.D
Acq: 19 May 2023 15:17

Tgt Ion:252 Resp: 13146

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.9 | 19.8 | 29.8 |
| 125 | 18.4 | 14.7 | 22.1 |



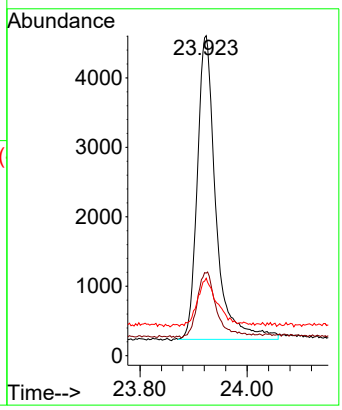


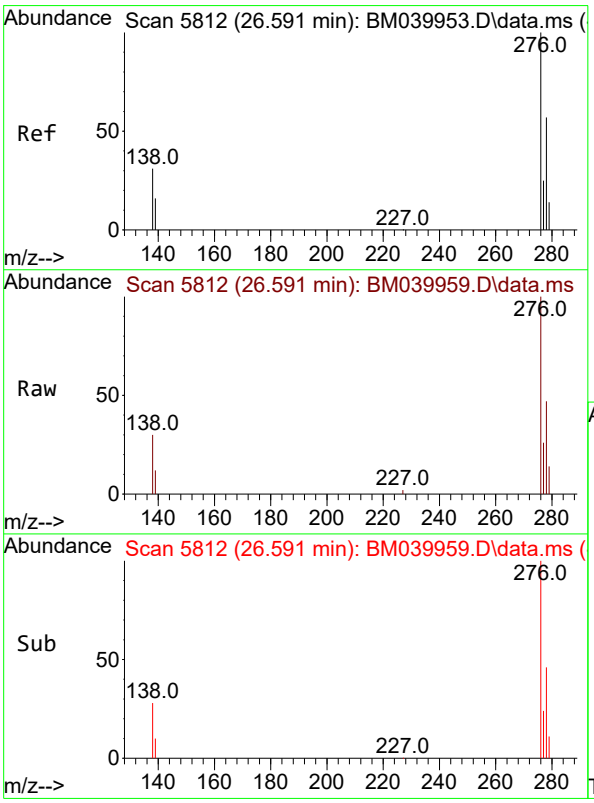

#26
Benzo(a)pyrene
Concen: 0.438 ng/ul
RT: 23.923 min Scan# 4
Delta R.T. 0.006 min
Lab File: BM039959.D
Acq: 19 May 2023 15:17

**Instrument :**
BNA_M
**ClientSampleId :**
SICV049

Tgt Ion:252 Resp: 10495

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.8 | 20.3 | 30.5 |
| 125 | 24.2 | 17.8 | 26.8 |

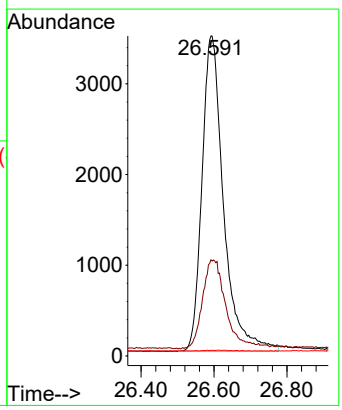


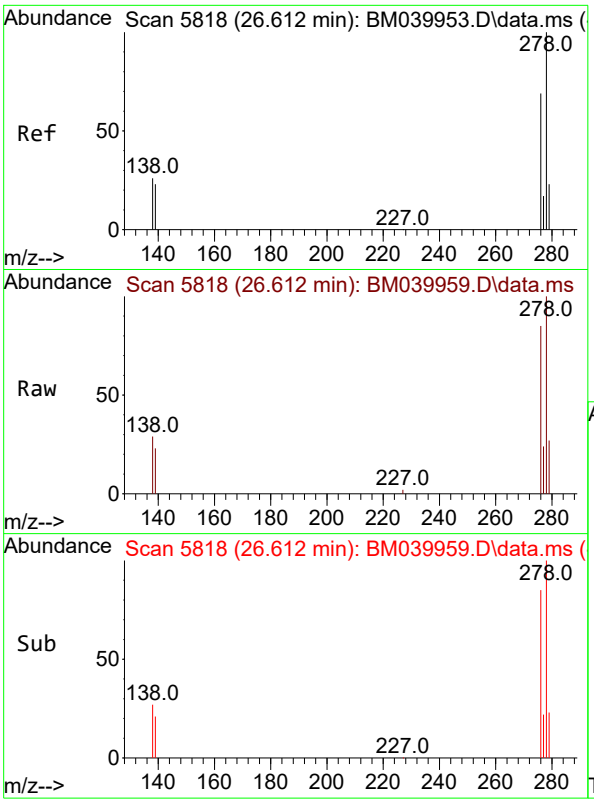




#27
Indeno(1,2,3-cd)pyrene
Concen: 0.438 ng/ul
RT: 26.591 min Scan# 5812
Delta R.T. 0.010 min
Lab File: BM039959.D
Acq: 19 May 2023 15:17

Tgt Ion:276 Resp: 14298

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 30.6 | 24.8 | 37.2 |
| 227 | 0.1 | 0.1 | 0.1# |



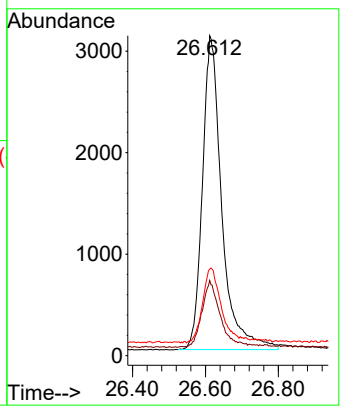


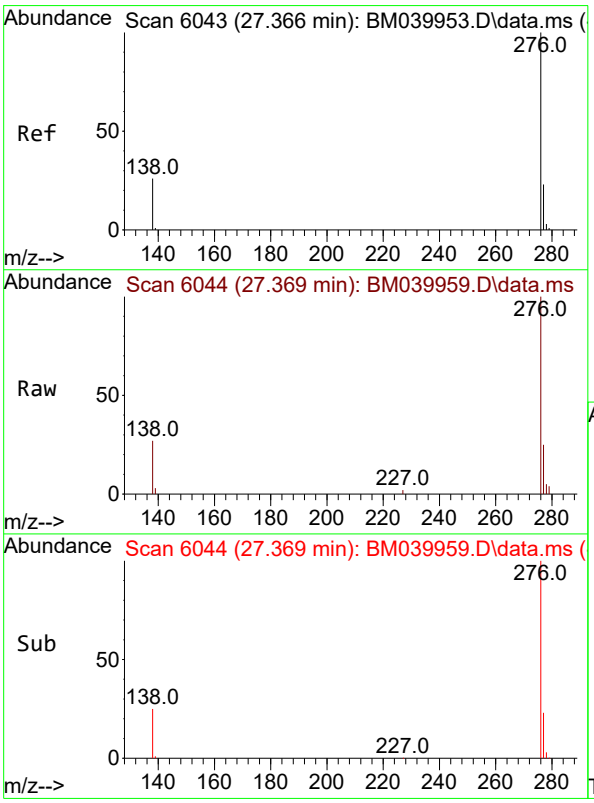

#28
Dibenzo(a,h)anthracene
Concen: 0.435 ng/ul
RT: 26.612 min Scan# 5
Delta R.T. 0.003 min
Lab File: BM039959.D
Acq: 19 May 2023 15:17

**Instrument :**
BNA_M
**ClientSampleId :**
SICV049

Tgt Ion:278 Resp: 11401

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 23.5 | 18.4 | 27.6 |
| 279 | 27.0 | 21.6 | 32.4 |




#29
Benzo(g,h,i)perylene
Concen: 0.443 ng/ul
RT: 27.369 min Scan# 6044
Delta R.T. 0.000 min
Lab File: BM039959.D
Acq: 19 May 2023 15:17

Tgt Ion:276 Resp: 12405

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 27.4 | 23.1 | 34.7 |
| 277 | 25.4 | 19.9 | 29.9 |