Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050523\
Data File : BM039848.D
Acq On : 05 May 2023 16:56
Operator : CG/JU
Sample : 02479-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
EW943

Quant Time: May 06 02:47:57 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat May 06 02:22:07 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.783 | 152 | 1987 | 0.400 | ng/ul | -0.06 |
| 4) Naphthalene-d8 | 10.577 | 136 | 8527 | 0.400 | ng/ul | -0.03 |
| 9) Acenaphthene-d10 | 14.431 | 164 | 5769 | 0.400 | ng/ul | -0.02 |
| 13) Phenanthrene-d10 | 17.186 | 188 | 16183 | 0.400 | ng/ul | #-0.03 |
| 17) Chrysene-d12 | 21.393 | 240 | 7868 | 0.400 | ng/ul | #-0.01 |
| 23) Perylene-d12 | 23.740 | 264 | 10325 | 0.400 | ng/ul | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.172 | 96 | 4979 | 1.700 | ng/ul | 0.00 |
| 6) 2-Methylnaphthalene-d10 | 12.177 | 152 | 2050 | 0.187 | ng/ul | -0.04 |
| 18) Fluoranthene-d10 | 19.227 | 212 | 4944 | 0.234 | ng/ul | -0.02 |
| Target Compounds | | | | | | Qvalue |
| 5) Naphthalene | 10.627 | 128 | 61882 | 2.890 | ng/ul | 98 |
| 7) 2-Methylnaphthalene | 12.249 | 142 | 56403 | 4.564 | ng/ul | 97 |
| 8) 1-Methylnaphthalene | 12.469 | 142 | 35026 | 2.642 | ng/ul | 100 |
| 10) Acenaphthylene | 14.153 | 152 | 86517 | 3.875 | ng/ul | 100 |
| 11) Acenaphthene | 14.496 | 153 | 138660 | 7.906 | ng/ul | 98 |
| 12) Fluorene | 15.486 | 166 | 271770 | 13.966 | ng/ul | 98 |
| 14) Pentachlorophenol | 16.865 | 266 | 481 | 0.136 | ng/ul | 97 |
| 15) Phenanthrene | 17.232 | 178 | 2401399 | 56.325 | ng/ul | 99 |
| 16) Anthracene | 17.321 | 178 | 616414 | 16.838 | ng/ul | 97 |
| 19) Fluoranthene | 19.260 | 202 | 3295793 | 117.414 | ng/ul | 99 |
| 20) Pyrene | 19.622 | 202 | 2443460 | 80.609 | ng/ul | 97 |
| 21) Benzo(a)anthracene | 21.376 | 228 | 1481339 | 65.483 | ng/ul | 98 |
| 22) Chrysene | 21.428 | 228 | 1377138 | 53.794 | ng/ul | 97 |
| 24) Benzo(b)fluoranthene | 23.030 | 252 | 1567939 | 43.241 | ng/ul | 93 |
| 26) Benzo(a)pyrene | 23.641 | 252 | 922433 | 28.334 | ng/ul# | 86 |
| 27) Indeno(1,2,3-cd)pyrene | 26.167 | 276 | 587385 | 14.269 | ng/ul# | 93 |
| 28) Dibenzo(a,h)anthracene | 26.171 | 278 | 187490 | 5.868 | ng/ul | 99 |
| 29) Benzo(g,h,i)perylene | 26.918 | 276 | 502911 | 14.020 | ng/ul | 97 |

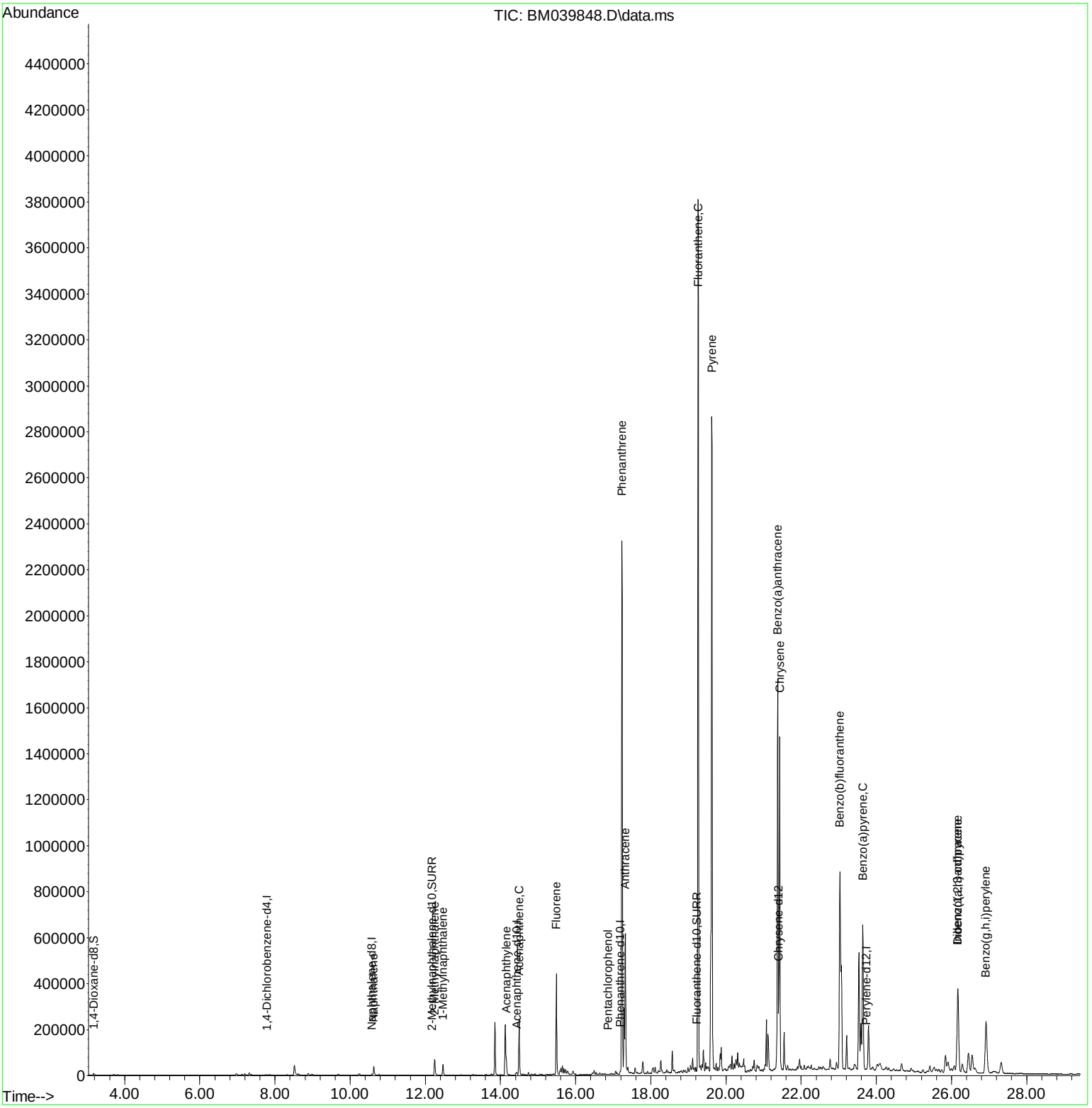
(#) = qualifier out of range (m) = manual integration (+) = signals summed

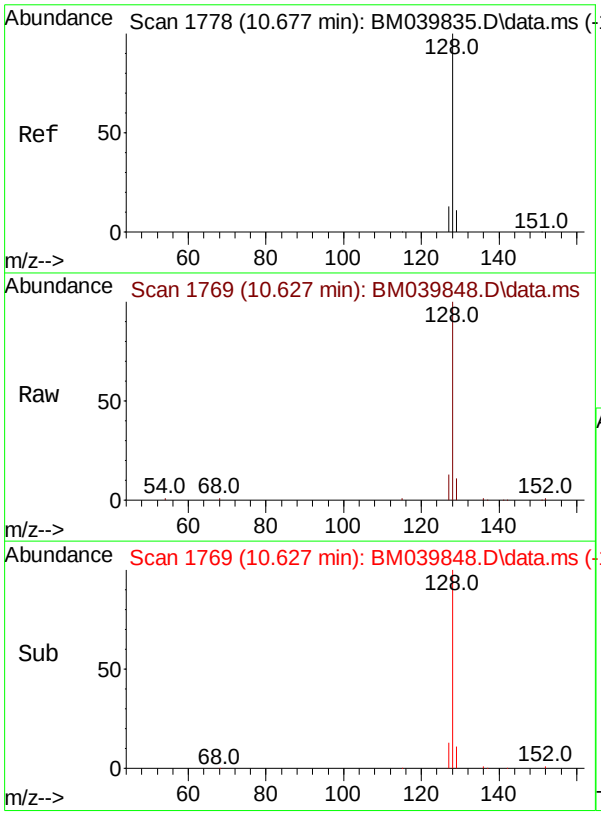
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050523\
Data File : BM039848.D
Acq On : 05 May 2023 16:56
Operator : CG/JU
Sample : 02479-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
EW943

Quant Time: May 06 02:47:57 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat May 06 02:22:07 2023
Response via : Initial Calibration



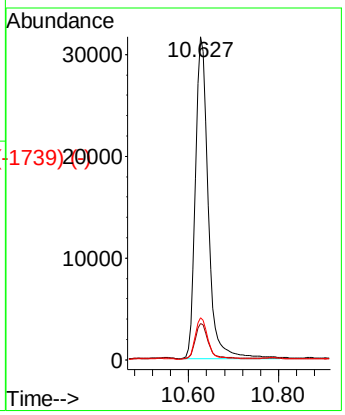


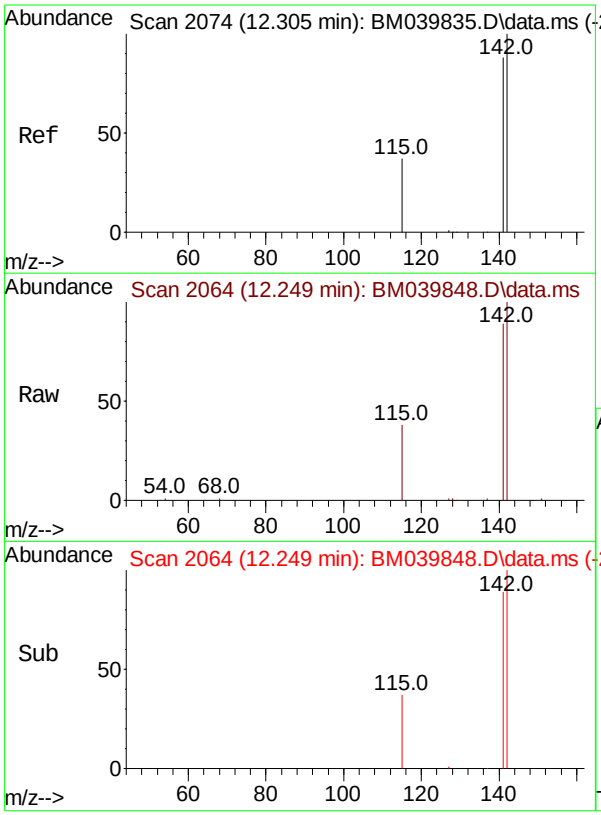

#55
Naphthalene
Concen: 2.890 ng/ul
RT: 10.627 min Scan# 1
Delta R.T. -0.034 min
Lab File: BM039848.D
Acq: 05 May 2023 16:56

**Instrument :**
BNA_M
**ClientSampleId :**
EW943

Tgt Ion:128 Resp: 61882

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.3 | 9.8 | 14.6 |
| 127 | 13.1 | 11.1 | 16.7 |

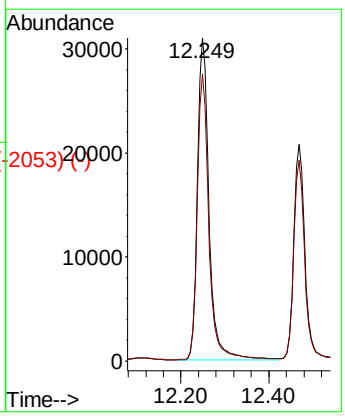


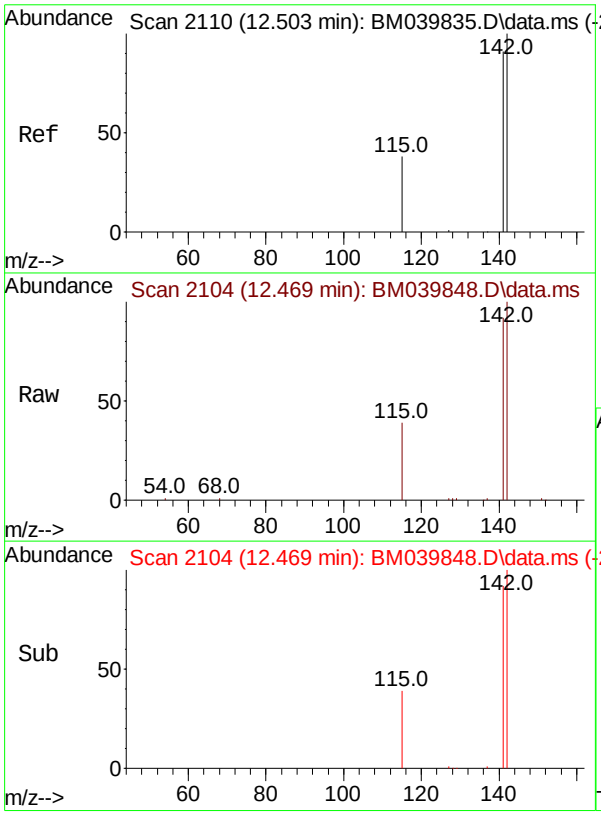




#57
2-Methylnaphthalene
Concen: 4.564 ng/ul
RT: 12.249 min Scan# 2064
Delta R.T. -0.040 min
Lab File: BM039848.D
Acq: 05 May 2023 16:56

Tgt Ion:142 Resp: 56403

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.4 | 73.2 | 109.8 |



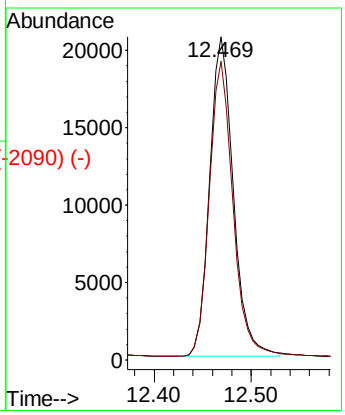


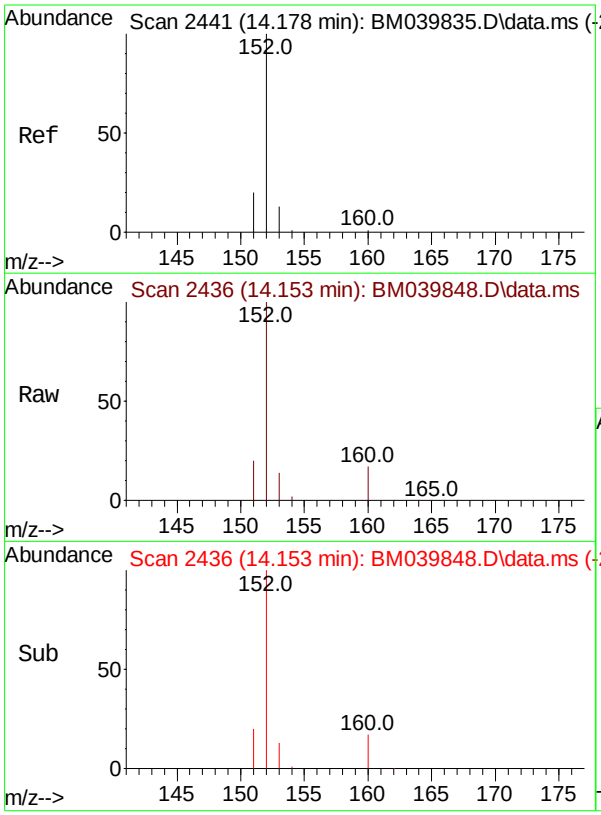

#8
1-Methylnaphthalene
Concen: 2.642 ng/ul
RT: 12.469 min Scan# 2
Delta R.T. -0.023 min
Lab File: BM039848.D
Acq: 05 May 2023 16:56

**Instrument :**
BNA_M
**ClientSampleId :**
EW943

Tgt Ion:142 Resp: 35026

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.8 | 73.4 | 110.2 |

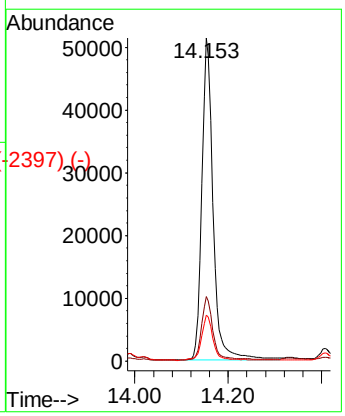


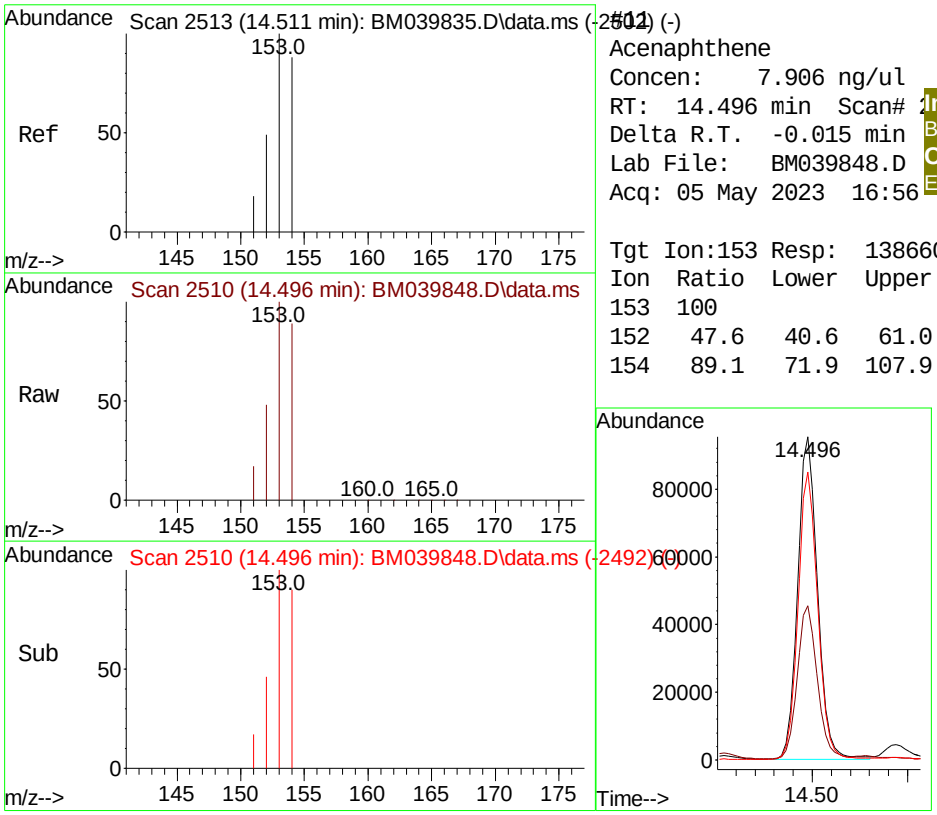




#10
Acenaphthylene
Concen: 3.875 ng/ul
RT: 14.153 min Scan# 2436
Delta R.T. -0.020 min
Lab File: BM039848.D
Acq: 05 May 2023 16:56

Tgt Ion:152 Resp: 86517

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.0 | 16.0 | 24.0 |
| 153 | 14.2 | 11.2 | 16.8 |





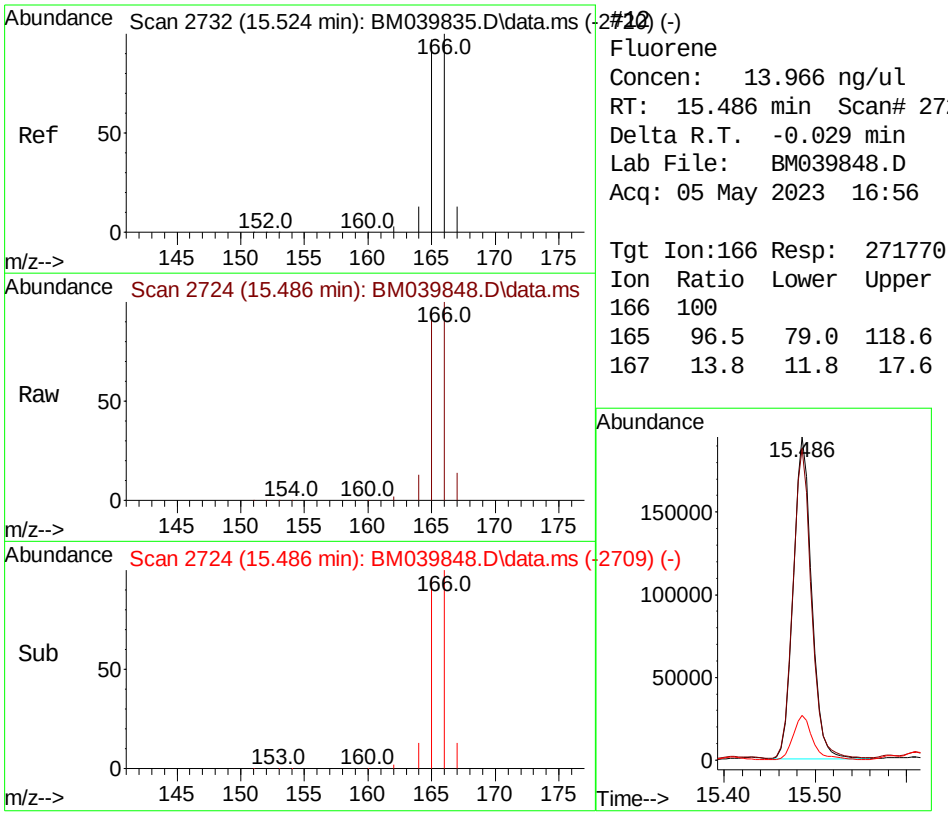

#11
Acenaphthene
Concen: 7.906 ng/ul
RT: 14.496 min Scan# 2
Delta R.T. -0.015 min
Lab File: BM039848.D
Acq: 05 May 2023 16:56

**Instrument :**
BNA_M
**ClientSampleId :**
EW943

Tgt Ion:153 Resp: 138660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 47.6 | 40.6 | 61.0 |
| 154 | 89.1 | 71.9 | 107.9 |

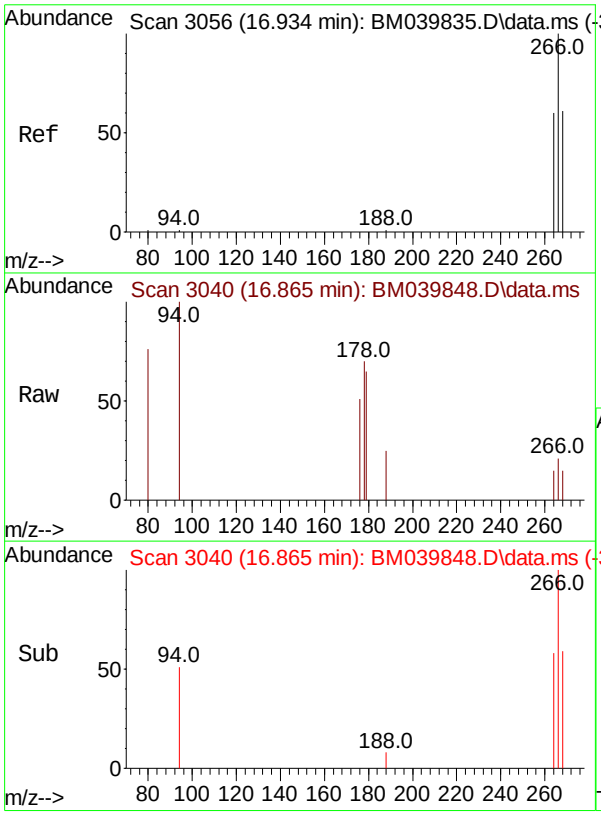



#12
Fluorene
Concen: 13.966 ng/ul
RT: 15.486 min Scan# 2724
Delta R.T. -0.029 min
Lab File: BM039848.D
Acq: 05 May 2023 16:56

Tgt Ion:166 Resp: 271770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 96.5 | 79.0 | 118.6 |
| 167 | 13.8 | 11.8 | 17.6 |

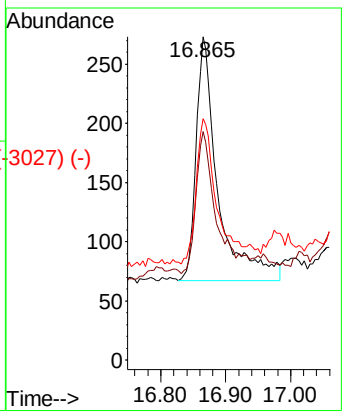


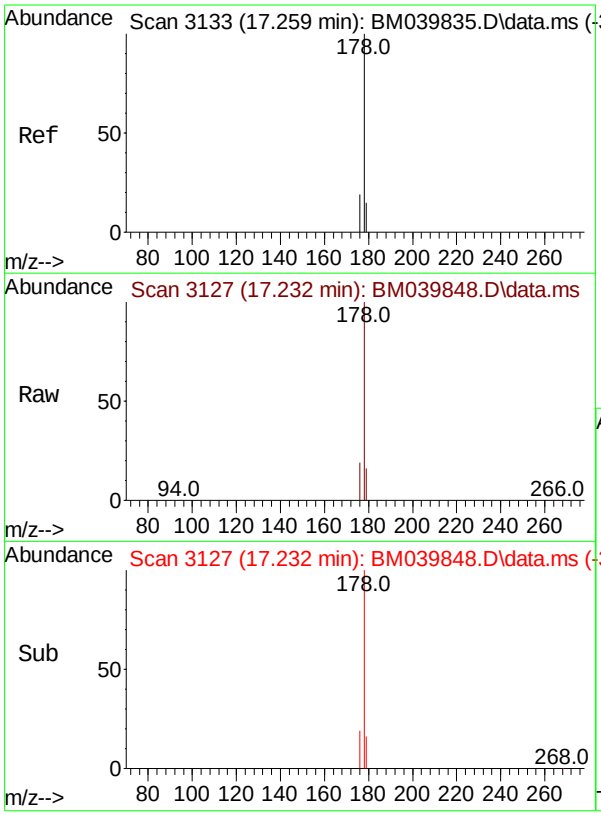

#14
Pentachlorophenol
Concen: 0.136 ng/ul
RT: 16.865 min Scan# 1
Delta R.T. -0.044 min
Lab File: BM039848.D
Acq: 05 May 2023 16:56

**Instrument :**
BNA_M
**ClientSampleId :**
EW943

Tgt Ion:266 Resp: 481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 62.2 | 48.8 | 73.2 |
| 268 | 60.1 | 50.4 | 75.6 |

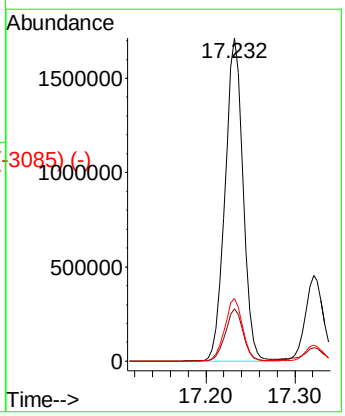


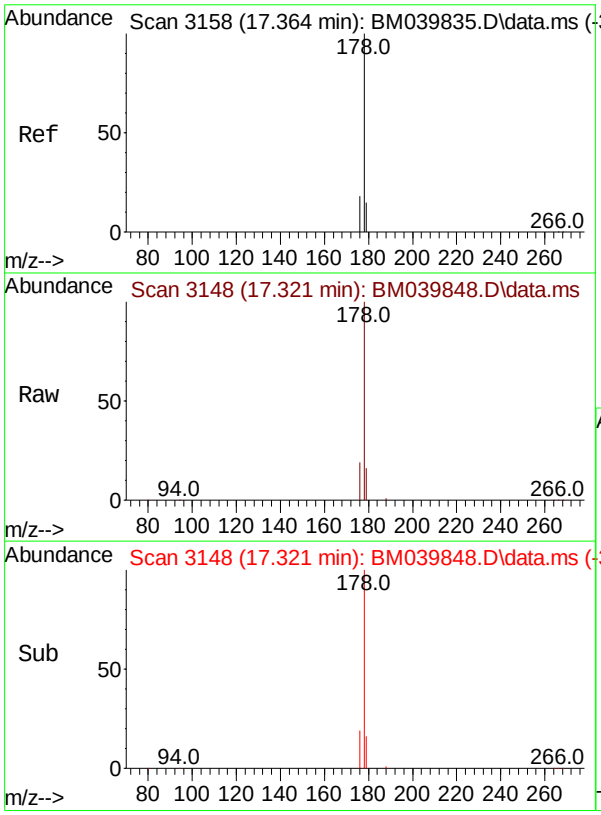




#15
Phenanthrene
Concen: 56.325 ng/ul
RT: 17.232 min Scan# 3127
Delta R.T. -0.022 min
Lab File: BM039848.D
Acq: 05 May 2023 16:56

Tgt Ion:178 Resp: 2401399

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.2 | 13.0 | 19.6 |
| 176 | 19.4 | 15.8 | 23.8 |



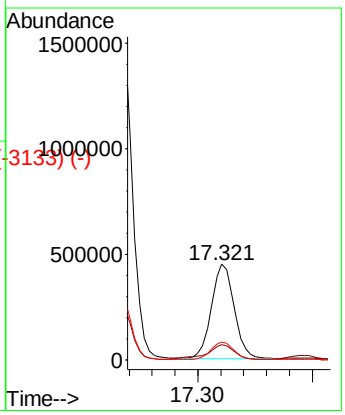


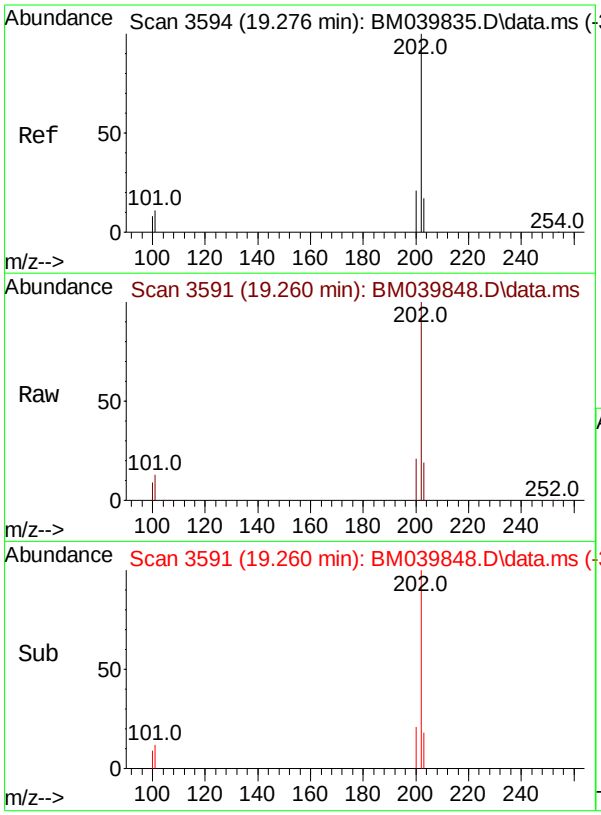

#10
Anthracene
Concen: 16.838 ng/ul
RT: 17.321 min Scan# 1
Delta R.T. -0.035 min
Lab File: BM039848.D
Acq: 05 May 2023 16:56

**Instrument :**
BNA_M
**ClientSampleId :**
EW943

Tgt Ion:178 Resp: 616414

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.9 | 13.8 | 20.6 |
| 176 | 18.8 | 15.8 | 23.8 |

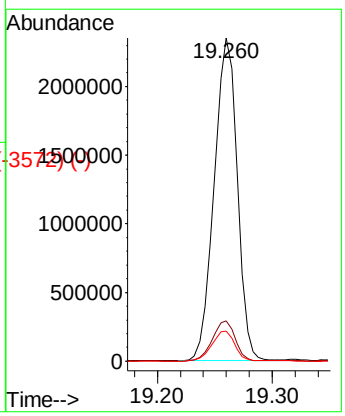


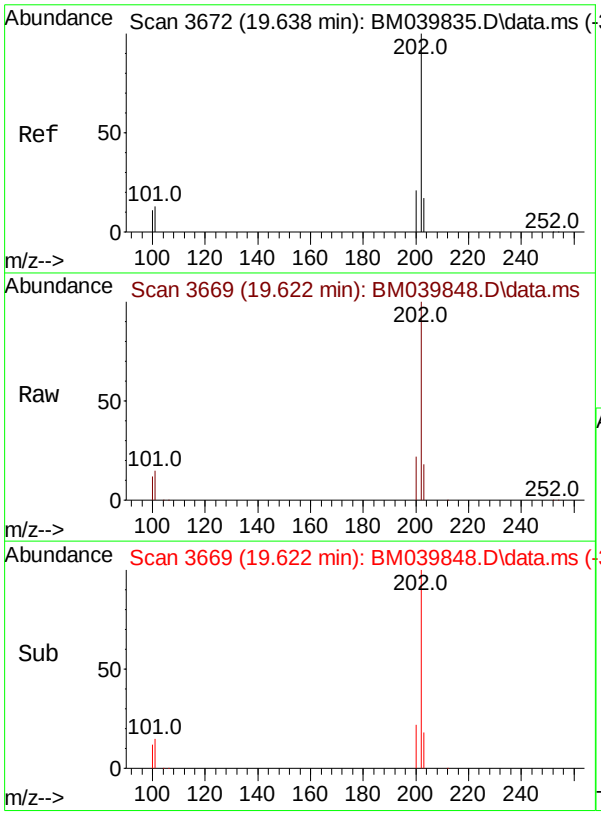




#19
Fluoranthene
Concen: 117.414 ng/ul
RT: 19.260 min Scan# 3591
Delta R.T. -0.011 min
Lab File: BM039848.D
Acq: 05 May 2023 16:56

Tgt Ion:202 Resp: 3295793

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.5 | 9.8 | 14.8 |
| 100 | 9.4 | 7.3 | 10.9 |



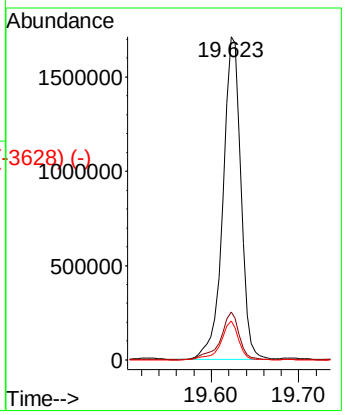


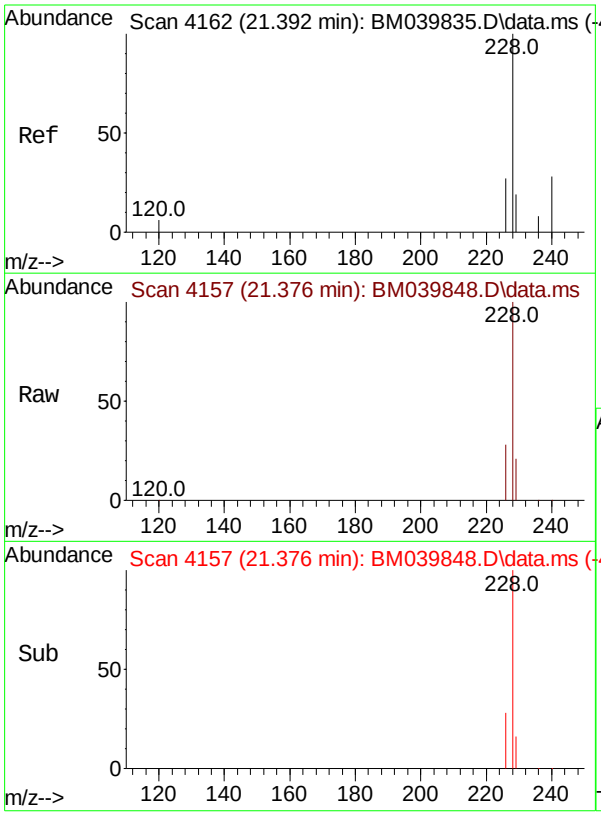

#29
Pyrene
Concen: 80.609 ng/ul
RT: 19.622 min Scan# 1
Delta R.T. -0.011 min
Lab File: BM039848.D
Acq: 05 May 2023 16:56

**Instrument :**
BNA_M
**ClientSampleId :**
EW943

Tgt Ion:202 Resp: 2443460

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 14.8 | 10.9 | 16.3 |
| 100 | 12.0 | 8.9 | 13.3 |

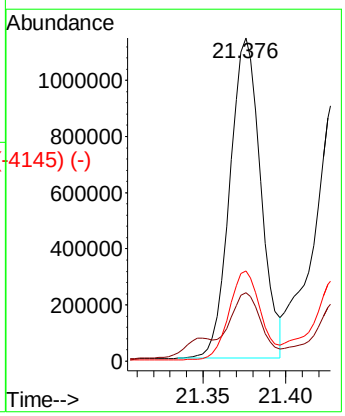


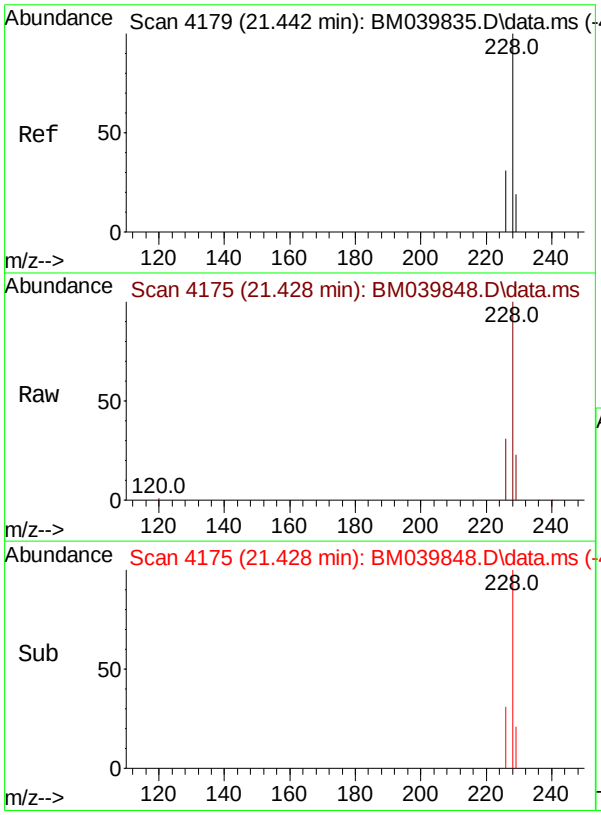




#31
Benzo(a)anthracene
Concen: 65.483 ng/ul
RT: 21.376 min Scan# 4157
Delta R.T. -0.015 min
Lab File: BM039848.D
Acq: 05 May 2023 16:56

Tgt Ion:228 Resp: 1481339

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 21.2 | 16.2 | 24.2 |
| 226 | 28.0 | 21.6 | 32.4 |



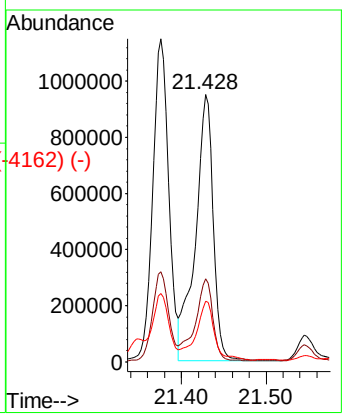


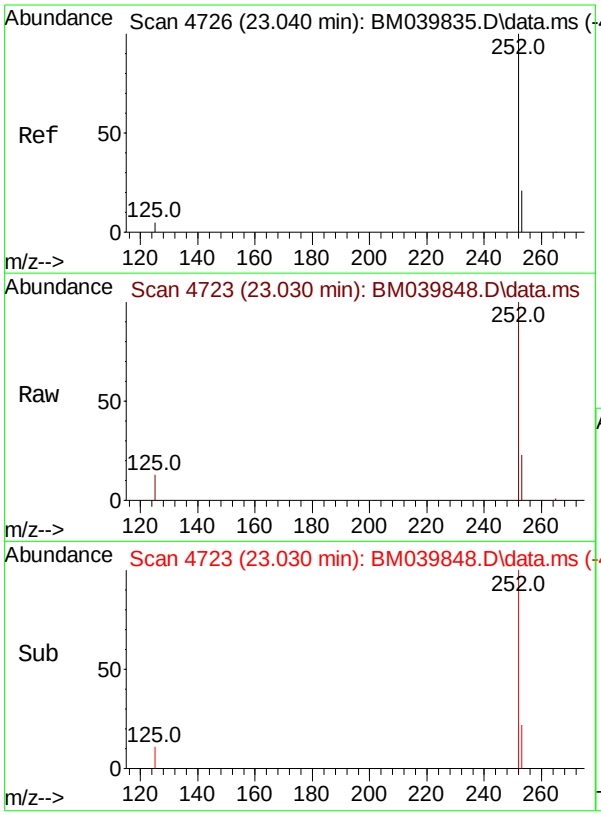

#22
Chrysene
Concen: 53.794 ng/ul
RT: 21.428 min Scan# 4
Delta R.T. -0.012 min
Lab File: BM039848.D
Acq: 05 May 2023 16:56

**Instrument :**
BNA_M
**ClientSampleId :**
EW943

Tgt Ion:228 Resp: 1377138

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.1 | 24.3 | 36.5 |
| 229 | 22.6 | 15.9 | 23.9 |

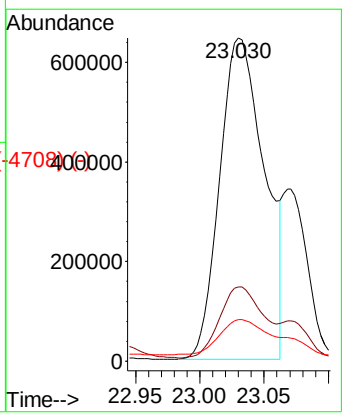


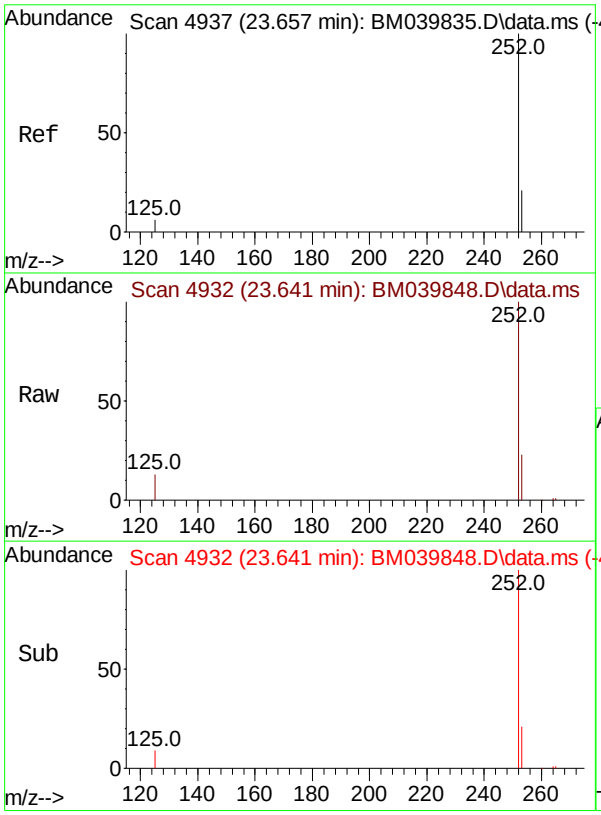




#21
Benzo(b)fluoranthene
Concen: 43.241 ng/ul
RT: 23.030 min Scan# 4723
Delta R.T. -0.006 min
Lab File: BM039848.D
Acq: 05 May 2023 16:56

Tgt Ion:252 Resp: 1567939

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.9 | 0.0 | 52.8 |
| 125 | 12.8 | 0.0 | 31.6 |



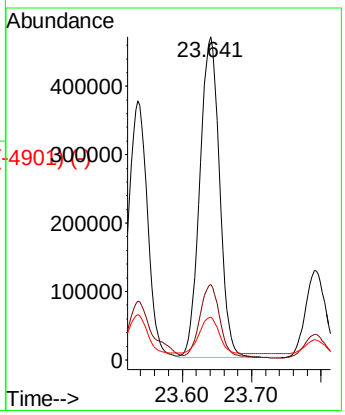


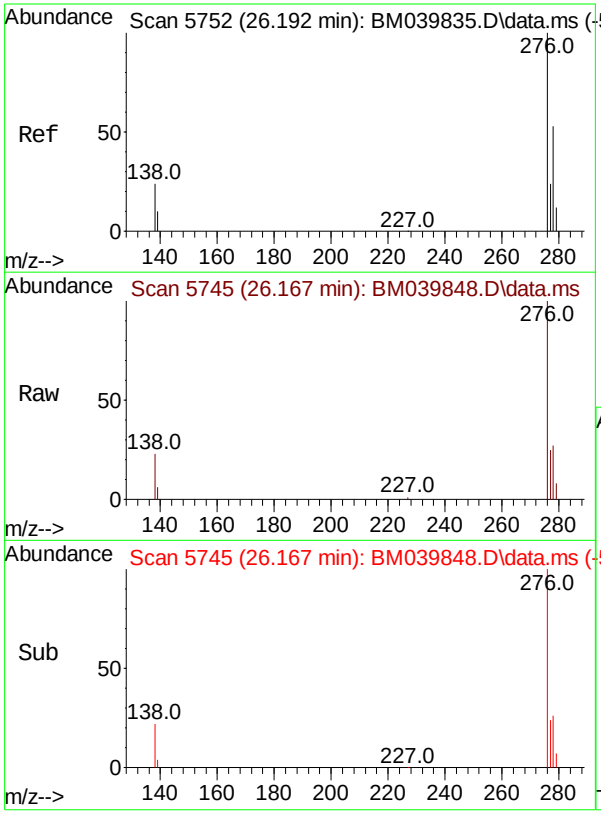

#26
Benzo(a)pyrene
Concen: 28.334 ng/ul
RT: 23.641 min Scan# 4
Delta R.T. -0.009 min
Lab File: BM039848.D
Acq: 05 May 2023 16:56

**Instrument :**
BNA_M
**ClientSampleId :**
EW943

Tgt Ion:252 Resp: 922433

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.4 | 24.7 | 37.1# |
| 125 | 13.3 | 16.5 | 24.7# |

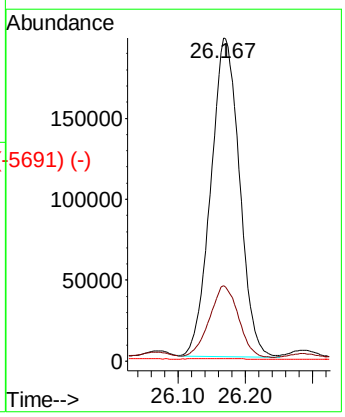


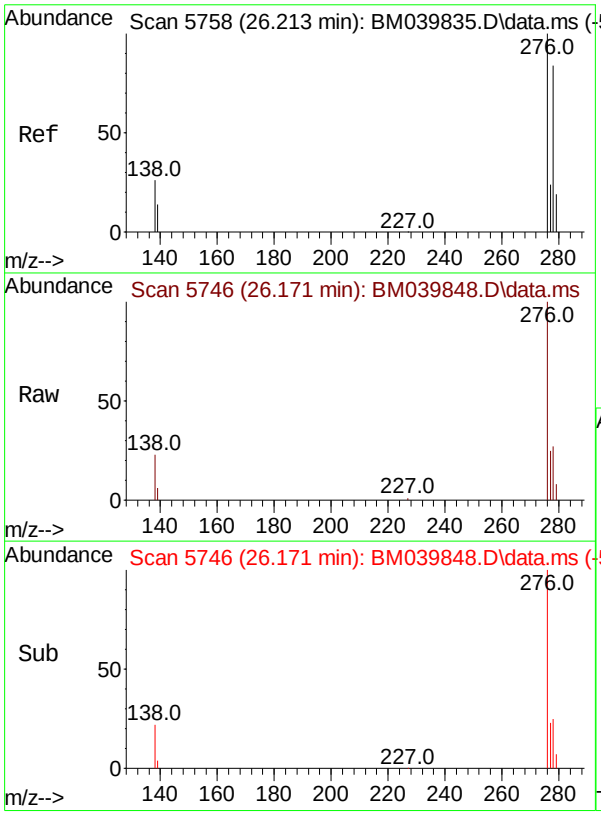




#27
Indeno(1,2,3-cd)pyrene
Concen: 14.269 ng/ul
RT: 26.167 min Scan# 5745
Delta R.T. -0.020 min
Lab File: BM039848.D
Acq: 05 May 2023 16:56

Tgt Ion:276 Resp: 587385

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 22.6 | 21.1 | 31.7 |
| 227 | 0.2 | 0.1 | 0.1# |



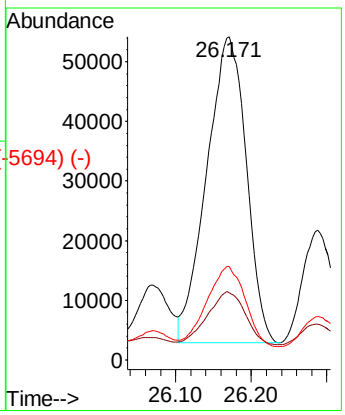


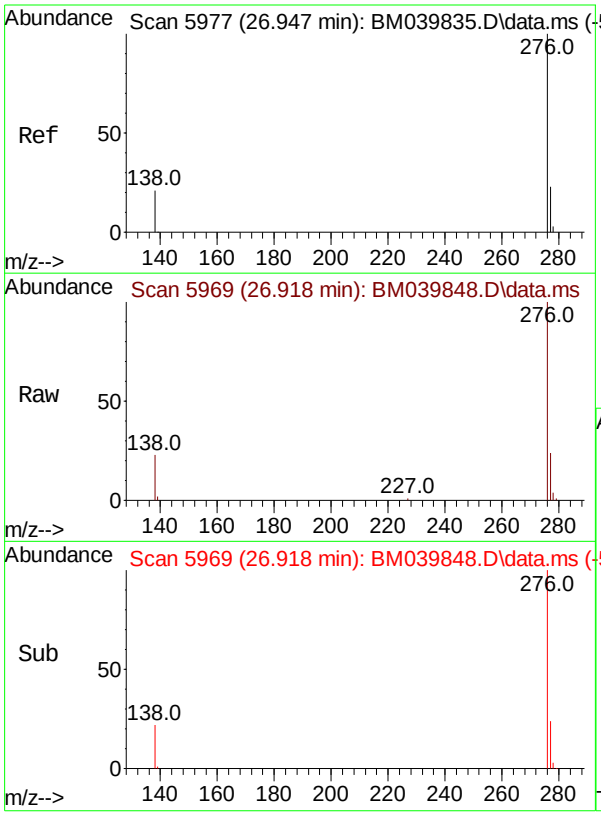

#28
Dibenzo(a,h)anthracene
Concen: 5.868 ng/ul
RT: 26.171 min Scan# 5
Delta R.T. -0.027 min
Lab File: BM039848.D
Acq: 05 May 2023 16:56

**Instrument :**
BNA_M
**ClientSampleId :**
EW943

Tgt Ion:278 Resp: 187490

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 20.7 | 17.0 | 25.6 |
| 279 | 28.8 | 23.4 | 35.2 |




#29
Benzo(g,h,i)perylene
Concen: 14.020 ng/ul
RT: 26.918 min Scan# 5969
Delta R.T. -0.013 min
Lab File: BM039848.D
Acq: 05 May 2023 16:56

Tgt Ion:276 Resp: 502911

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 23.2 | 20.1 | 30.1 |
| 277 | 24.4 | 20.1 | 30.1 |