Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070123\
Data File : BM040498.D
Acq On : 01 Jul 2023 11:48
Operator : MA/JU
Sample : 03161-05DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
DCFW1DL

Quant Time: Jul 01 23:46:44 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM062223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 01 03:00:05 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.932 | 152 | 9489 | 0.400 | ng/ul | 0.00 |
| 4) Naphthalene-d8 | 10.744 | 136 | 33076 | 0.400 | ng/ul | 0.00 |
| 9) Acenaphthene-d10 | 14.576 | 164 | 14795 | 0.400 | ng/ul | 0.00 |
| 13) Phenanthrene-d10 | 17.322 | 188 | 26685 | 0.400 | ng/ul | 0.00 |
| 17) Chrysene-d12 | 21.503 | 240 | 16208 | 0.400 | ng/ul | 0.00 |
| 23) Perylene-d12 | 23.915 | 264 | 17481 | 0.400 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.329 | 96 | 5439 | 0.365 | ng/ul | 0.00 |
| 6) 2-Methylnaphthalene-d10 | 12.333 | 152 | 1114 | 0.024 | ng/ul | 0.00 |
| 18) Fluoranthene-d10 | 19.350 | 212 | 1363 | 0.026 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 5) Naphthalene | 10.793 | 128 | 3685 | 0.040 | ng/ul# | 89 |
| 7) 2-Methylnaphthalene | 12.410 | 142 | 1544 | 0.029 | ng/ul | 99 |
| 8) 1-Methylnaphthalene | 12.624 | 142 | 1141 | 0.021 | ng/ul | 99 |
| 10) Acenaphthylene | 14.298 | 152 | 9897 | 0.150 | ng/ul | 97 |
| 11) Acenaphthene | 14.640 | 153 | 2477 | 0.044 | ng/ul | 96 |
| 12) Fluorene | 15.626 | 166 | 2397 | 0.040 | ng/ul# | 97 |
| 15) Phenanthrene | 17.365 | 178 | 67653 | 0.816 | ng/ul | 99 |
| 16) Anthracene | 17.457 | 178 | 15040 | 0.216 | ng/ul | 98 |
| 19) Fluoranthene | 19.378 | 202 | 182469 | 2.650 | ng/ul | 97 |
| 20) Pyrene | 19.741 | 202 | 145335 | 1.969 | ng/ul | 99 |
| 21) Benzo(a)anthracene | 21.486 | 228 | 72138 | 1.316 | ng/ul | 98 |
| 22) Chrysene | 21.541 | 228 | 78882 | 1.261 | ng/ul | 98 |
| 24) Benzo(b)fluoranthene | 23.181 | 252 | 132127 | 1.953 | ng/ul | 90 |
| 26) Benzo(a)pyrene | 23.807 | 252 | 81235 | 1.333 | ng/ul# | 86 |
| 27) Indeno(1,2,3-cd)pyrene | 26.414 | 276 | 71540 | 0.843 | ng/ul# | 87 |
| 28) Dibenzo(a,h)anthracene | 26.421 | 278 | 16923 | 0.255 | ng/ul# | 92 |
| 29) Benzo(g,h,i)perylene | 27.189 | 276 | 64170 | 0.863 | ng/ul | 96 |

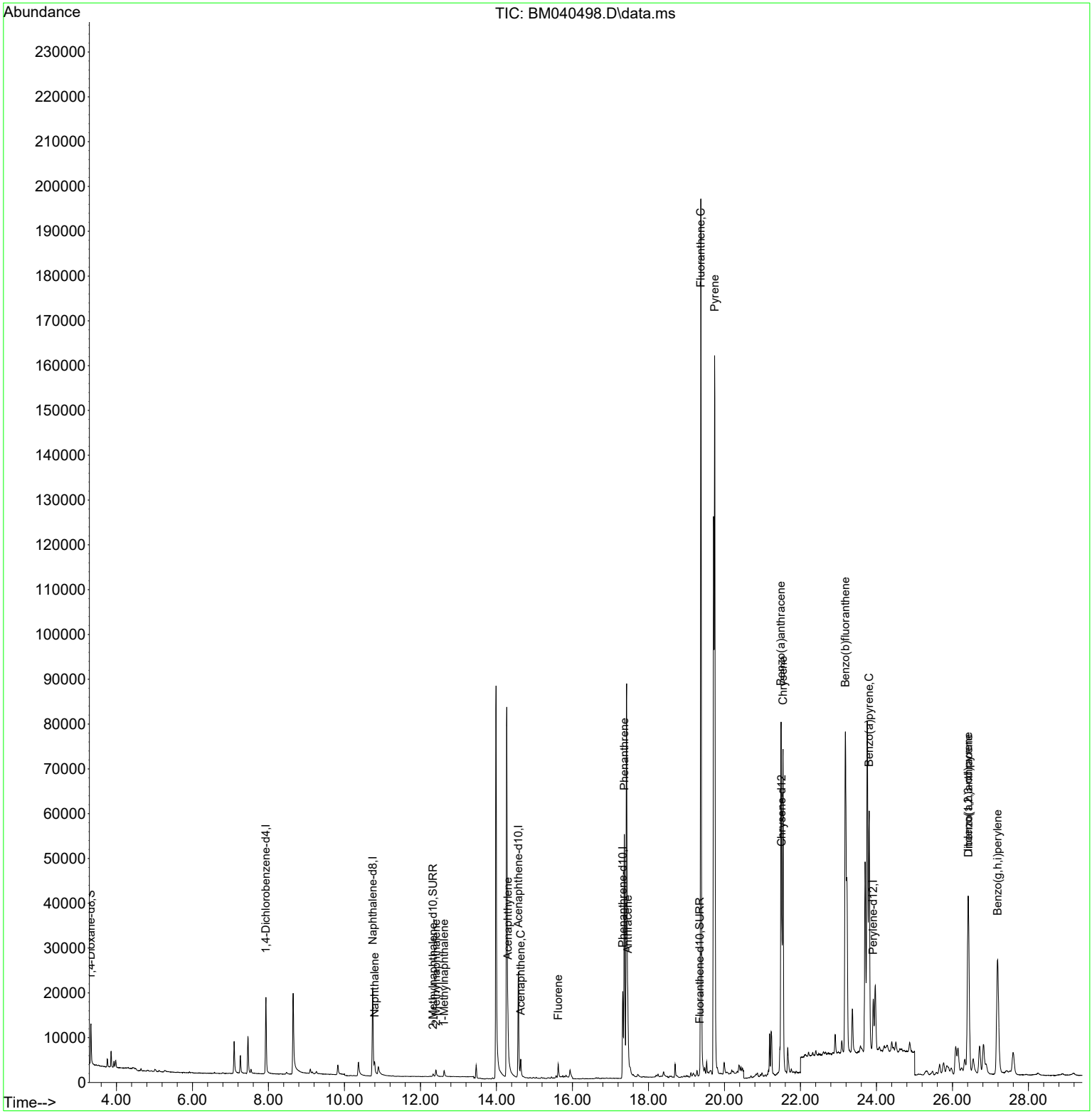
(#) = qualifier out of range (m) = manual integration (+) = signals summed

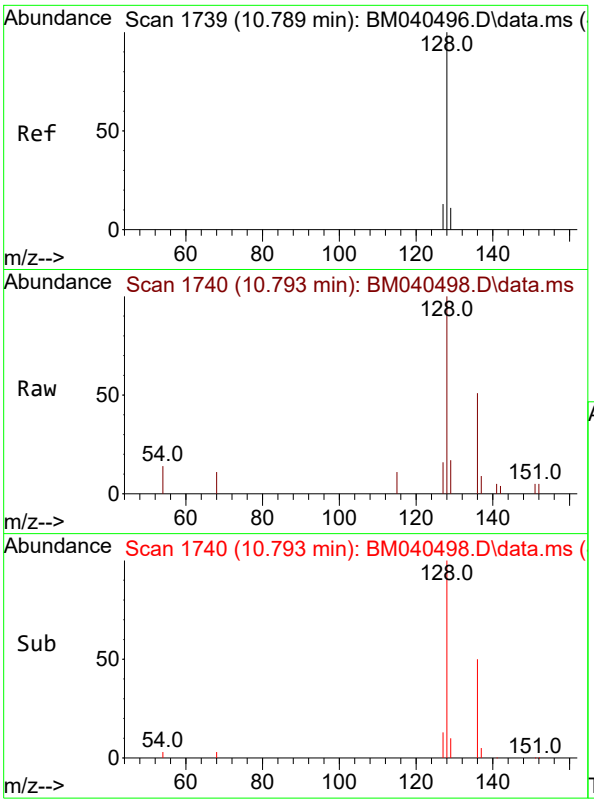
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070123\
Data File : BM040498.D
Acq On : 01 Jul 2023 11:48
Operator : MA/JU
Sample : 03161-05DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
DCFW1DL

Quant Time: Jul 01 23:46:44 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM062223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 01 03:00:05 2023
Response via : Initial Calibration



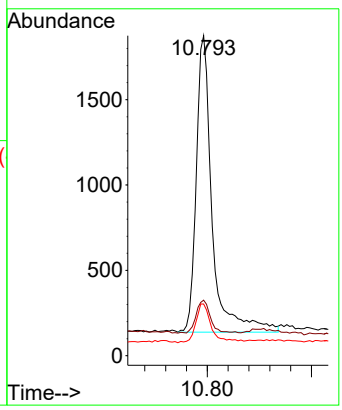


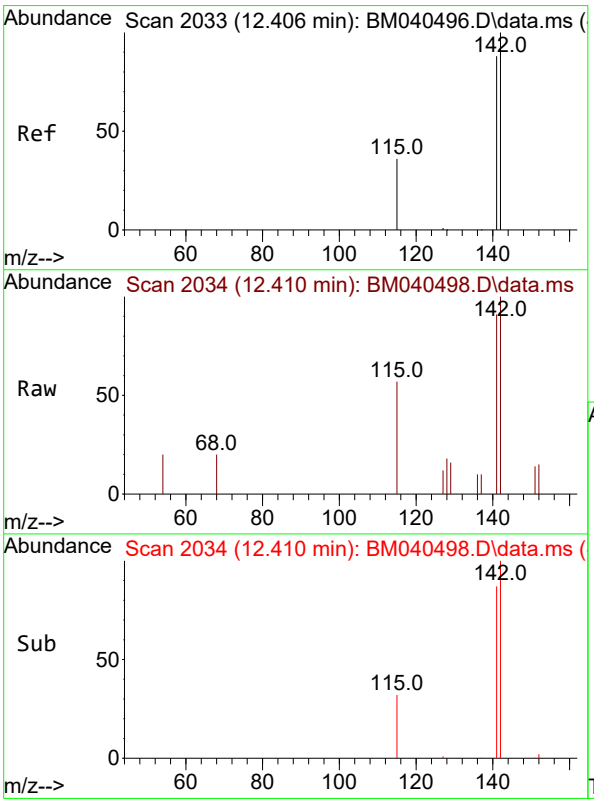

#5
Naphthalene
Concen: 0.040 ng/ul
RT: 10.793 min Scan# 1
Delta R.T. -0.001 min
Lab File: BM040498.D
Acq: 01 Jul 2023 11:48

**Instrument :**
BNA_M
**ClientSampleId :**
DCFW1DL

Tgt Ion:128 Resp: 3685

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 17.4 | 9.2 | 13.8# |
| 127 | 16.2 | 10.6 | 15.8# |

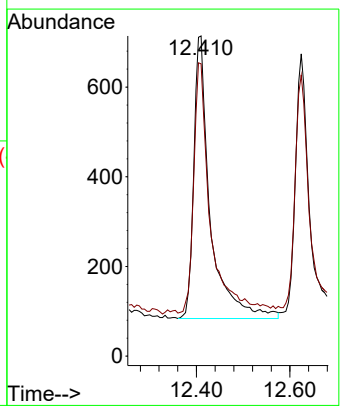


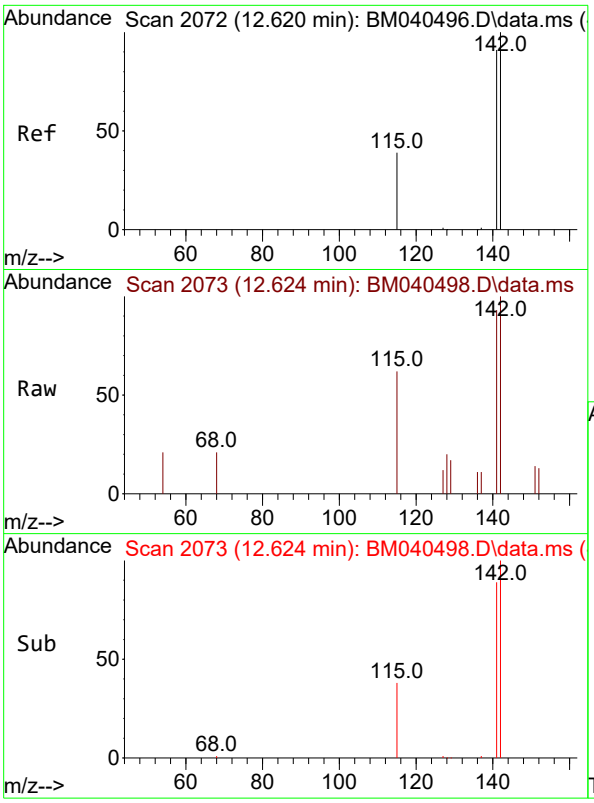




#7
2-Methylnaphthalene
Concen: 0.029 ng/ul
RT: 12.410 min Scan# 2034
Delta R.T. 0.004 min
Lab File: BM040498.D
Acq: 01 Jul 2023 11:48

Tgt Ion:142 Resp: 1544

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.5 | 71.9 | 107.9 |



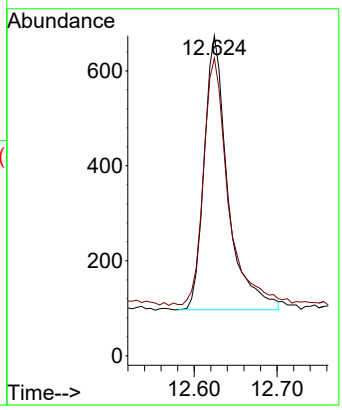


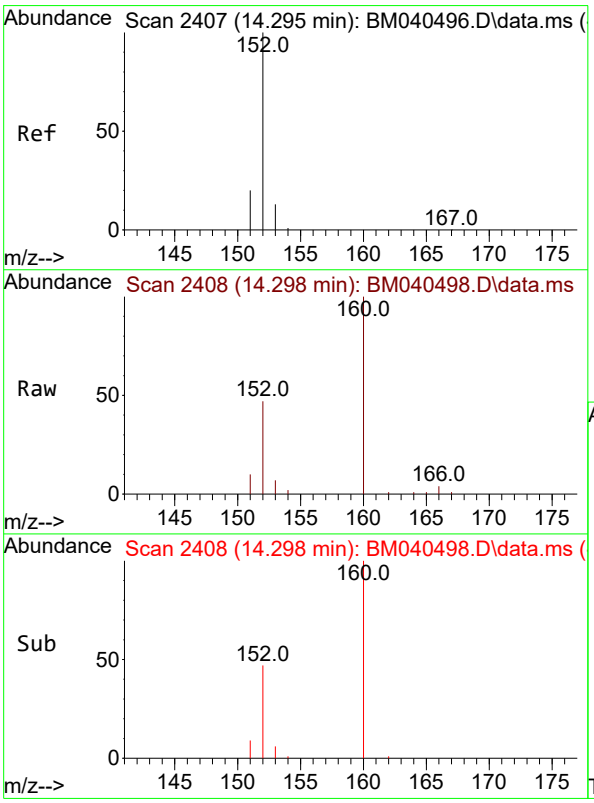

#8
1-Methylnaphthalene
Concen: 0.021 ng/ul
RT: 12.624 min Scan# 2
Delta R.T. -0.001 min
Lab File: BM040498.D
Acq: 01 Jul 2023 11:48

**Instrument :**
BNA_M
**ClientSampleId :**
DCFW1DL

Tgt Ion:142 Resp: 1141

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.9 | 73.7 | 110.5 |

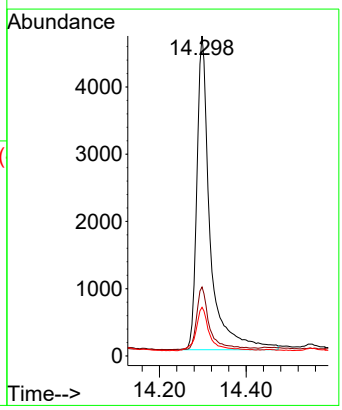


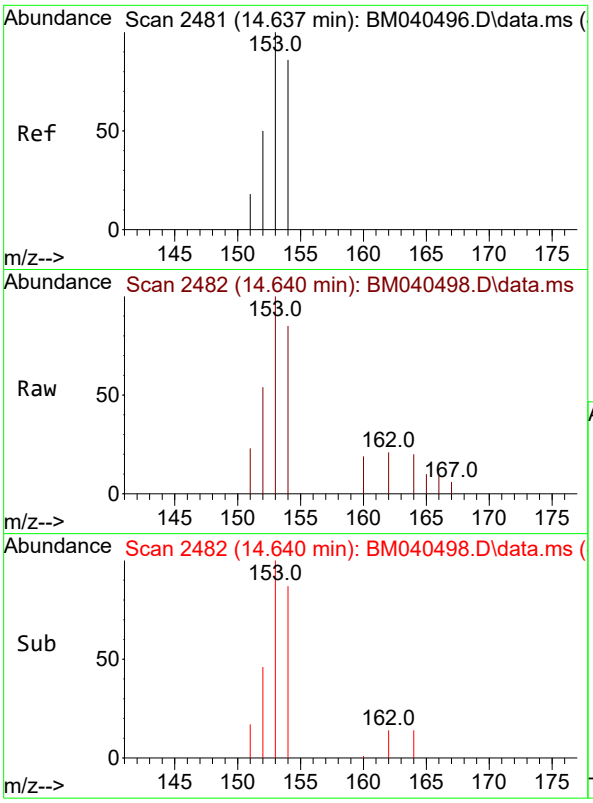




#10
Acenaphthylene
Concen: 0.150 ng/ul
RT: 14.298 min Scan# 2408
Delta R.T. -0.001 min
Lab File: BM040498.D
Acq: 01 Jul 2023 11:48

Tgt Ion:152 Resp: 9897

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 21.6 | 16.2 | 24.2 |
| 153 | 15.2 | 10.9 | 16.3 |



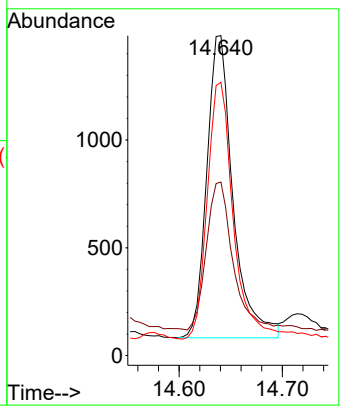


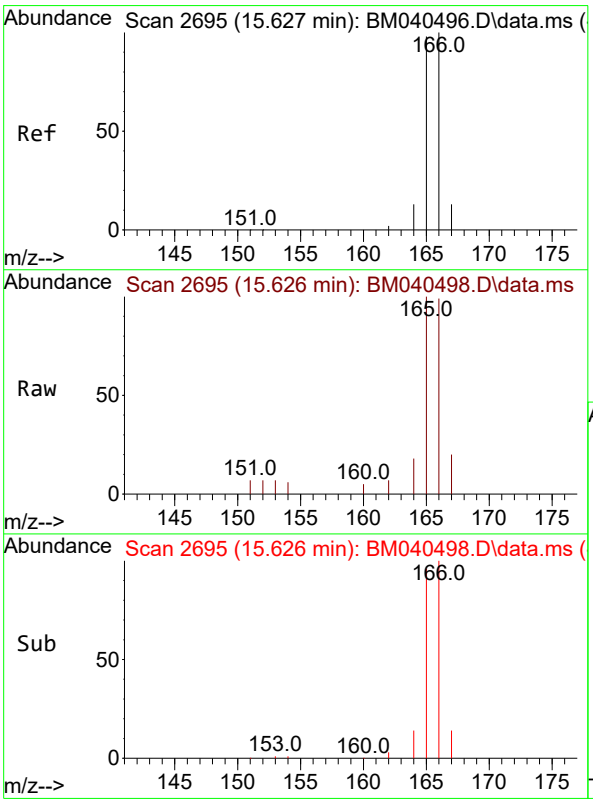

#11
Acenaphthene
Concen: 0.044 ng/ul
RT: 14.640 min Scan# 24
Delta R.T. -0.001 min
Lab File: BM040498.D
Acq: 01 Jul 2023 11:48

**Instrument :**
BNA_M
**ClientSampleId :**
DCFW1DL

Tgt Ion:153 Resp: 2477

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 54.2 | 41.0 | 61.4 |
| 154 | 85.4 | 70.8 | 106.2 |

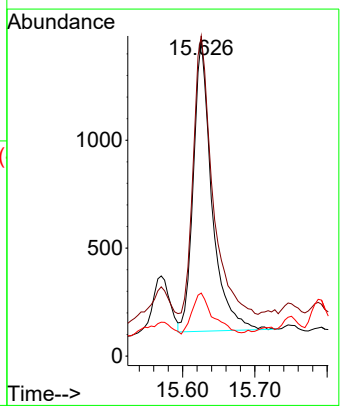


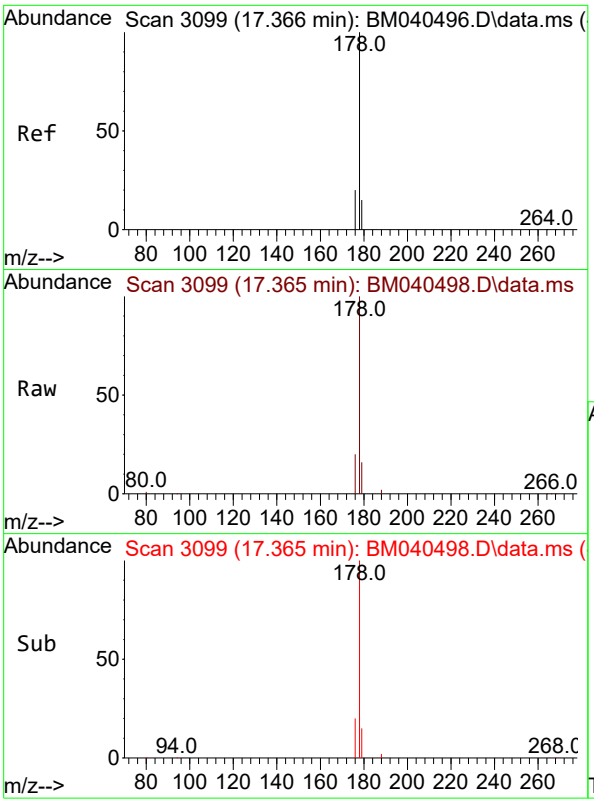




#12
Fluorene
Concen: 0.040 ng/ul
RT: 15.626 min Scan# 2695
Delta R.T. -0.006 min
Lab File: BM040498.D
Acq: 01 Jul 2023 11:48

Tgt Ion:166 Resp: 2397

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 101.0 | 79.6 | 119.4 |
| 167 | 19.9 | 11.4 | 17.0# |



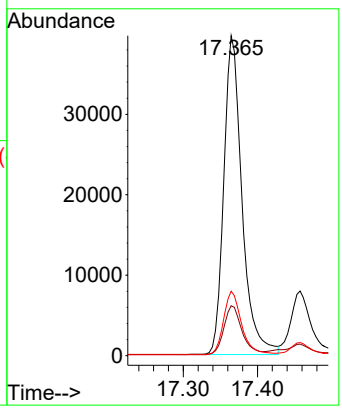


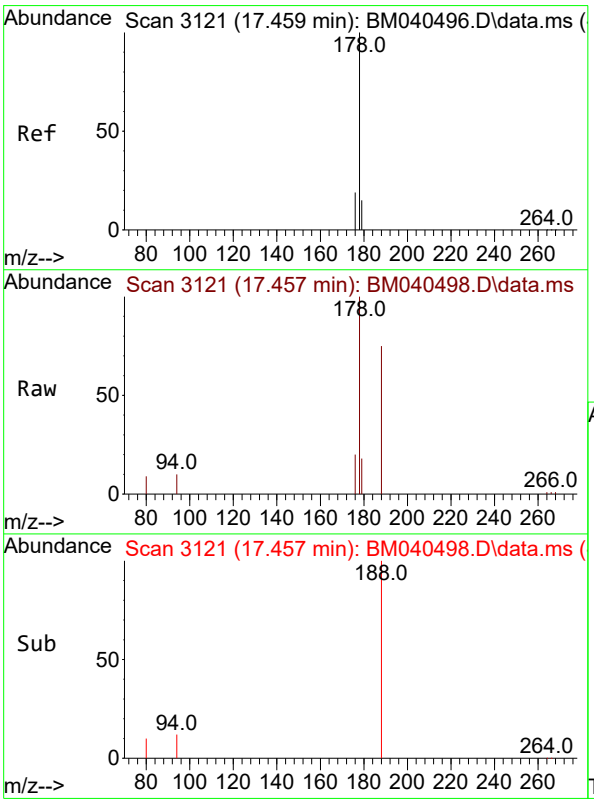

#15
Phenanthrene
Concen: 0.816 ng/ul
RT: 17.365 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM040498.D
Acq: 01 Jul 2023 11:48

**Instrument :**
BNA_M
**ClientSampleId :**
DCFW1DL

Tgt Ion:178 Resp: 67653

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.6 | 12.8 | 19.2 |
| 176 | 20.1 | 16.4 | 24.6 |

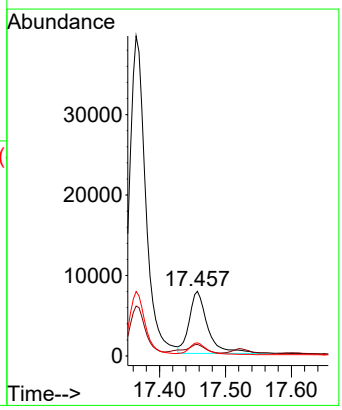


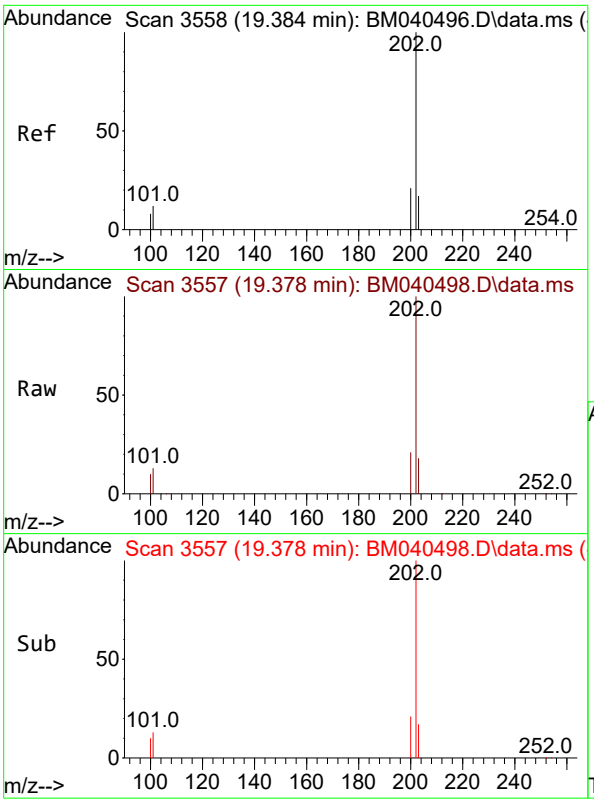




#16
Anthracene
Concen: 0.216 ng/ul
RT: 17.457 min Scan# 3121
Delta R.T. -0.006 min
Lab File: BM040498.D
Acq: 01 Jul 2023 11:48

Tgt Ion:178 Resp: 15040

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 17.8 | 12.9 | 19.3 |
| 176 | 20.2 | 15.8 | 23.6 |



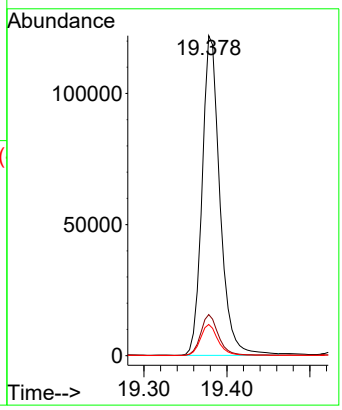


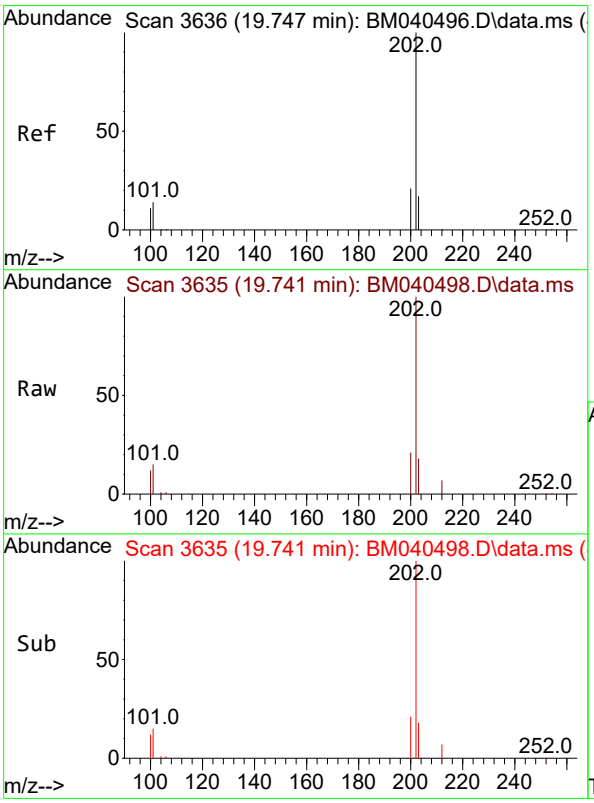

#19
Fluoranthene
Concen: 2.650 ng/ul
RT: 19.378 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM040498.D
Acq: 01 Jul 2023 11:48

**Instrument :**
BNA_M
**ClientSampleId :**
DCFW1DL

Tgt Ion:202 Resp: 182469

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.8 | 11.4 | 17.0 |
| 100 | 9.8 | 8.7 | 13.1 |

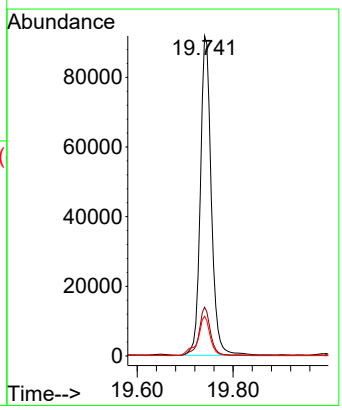


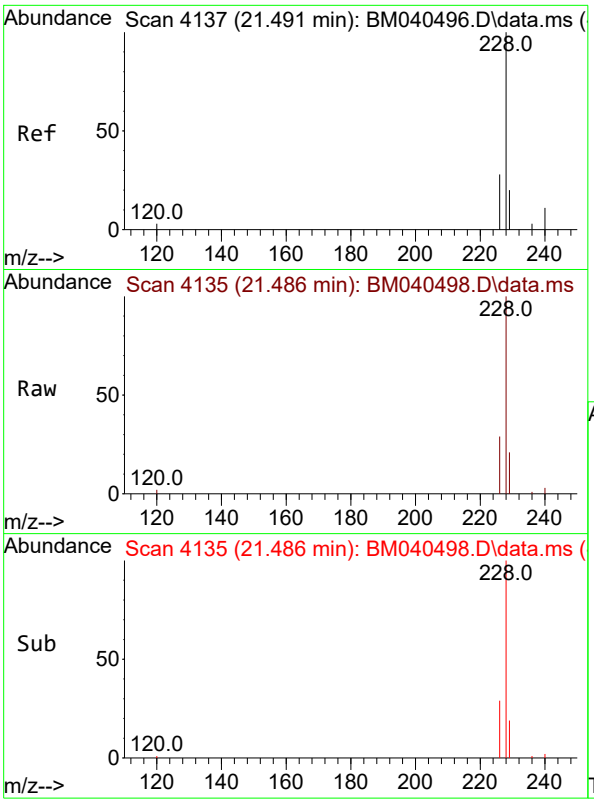




#20
Pyrene
Concen: 1.969 ng/ul
RT: 19.741 min Scan# 3635
Delta R.T. -0.006 min
Lab File: BM040498.D
Acq: 01 Jul 2023 11:48

Tgt Ion:202 Resp: 145335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 15.3 | 12.6 | 18.8 |
| 100 | 12.4 | 9.8 | 14.6 |



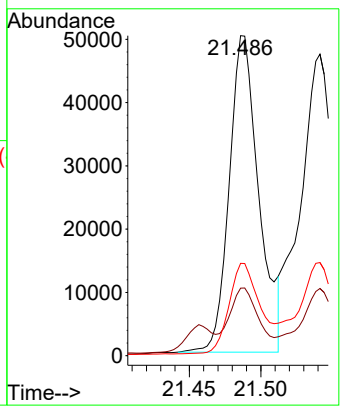


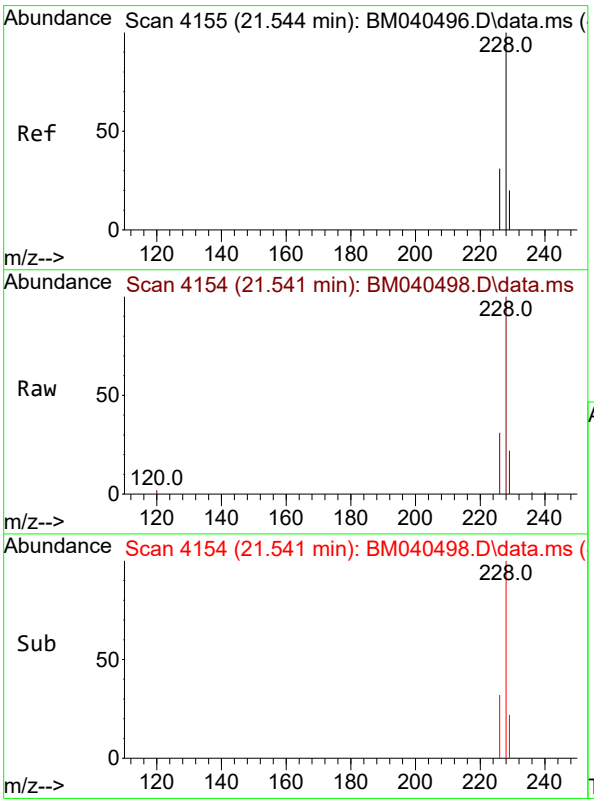

#21
Benzo(a)anthracene
Concen: 1.316 ng/ul
RT: 21.486 min Scan# 4
Delta R.T. -0.005 min
Lab File: BM040498.D
Acq: 01 Jul 2023 11:48

**Instrument :**
BNA_M
**ClientSampleId :**
DCFW1DL

Tgt Ion:228 Resp: 72138

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 21.1 | 16.0 | 24.0 |
| 226 | 28.9 | 22.3 | 33.5 |

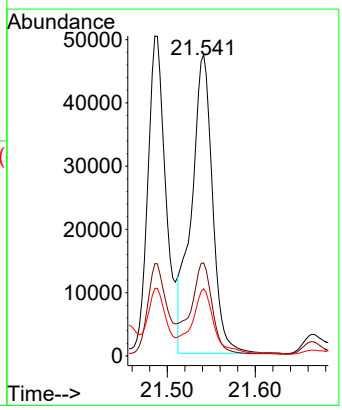


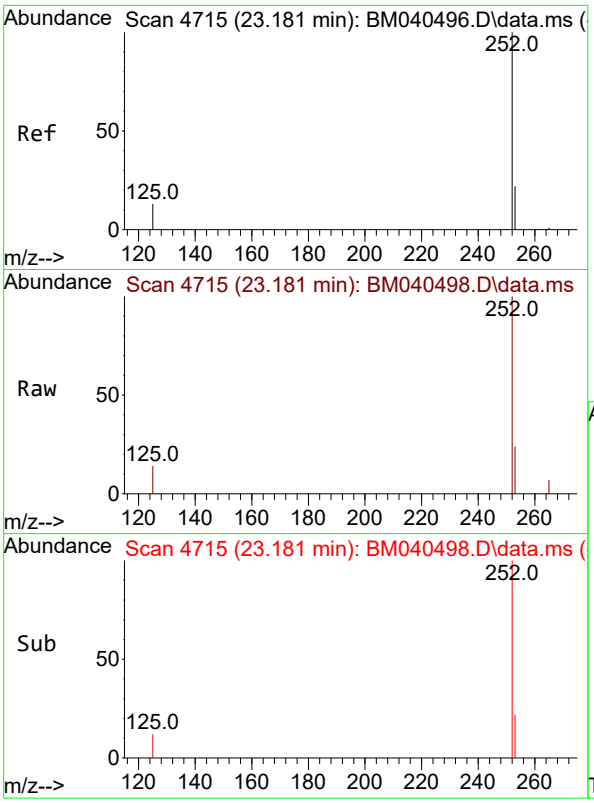




#22
Chrysene
Concen: 1.261 ng/ul
RT: 21.541 min Scan# 4154
Delta R.T. -0.003 min
Lab File: BM040498.D
Acq: 01 Jul 2023 11:48

Tgt Ion:228 Resp: 78882

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.9 | 24.9 | 37.3 |
| 229 | 22.3 | 15.8 | 23.6 |



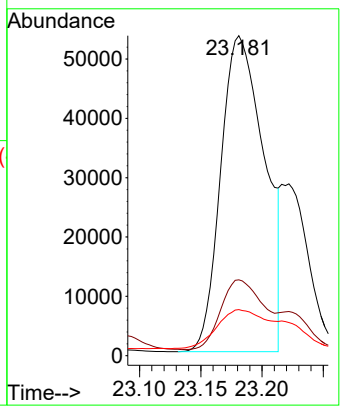


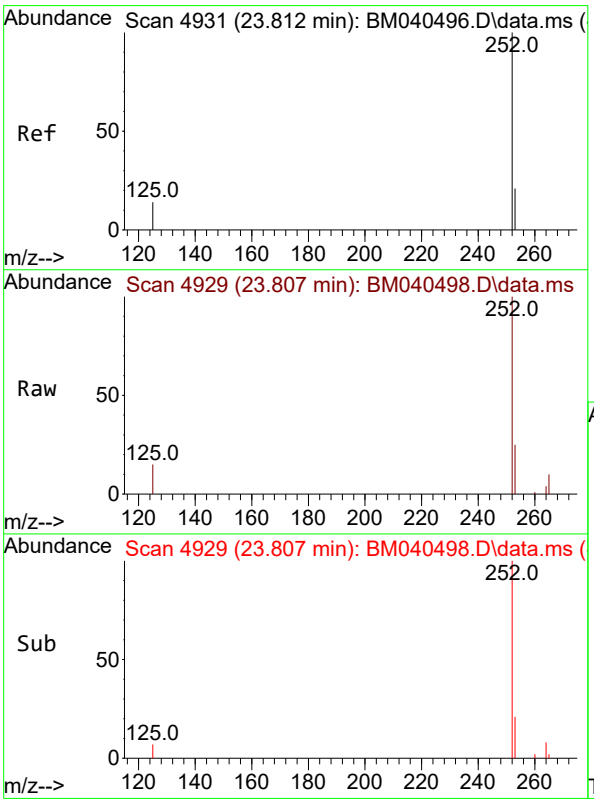

#24
Benzo(b)fluoranthene
Concen: 1.953 ng/ul
RT: 23.181 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM040498.D
Acq: 01 Jul 2023 11:48

**Instrument :**
BNA_M
**ClientSampleId :**
DCFW1DL

Tgt Ion:252 Resp: 132127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.7 | 0.0 | 52.8 |
| 125 | 14.4 | 0.0 | 43.0 |

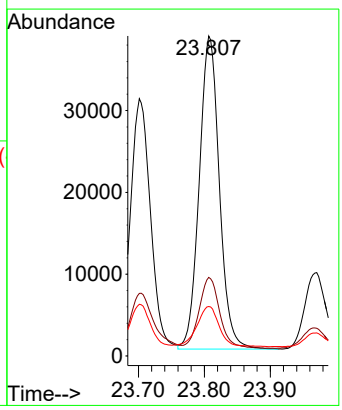


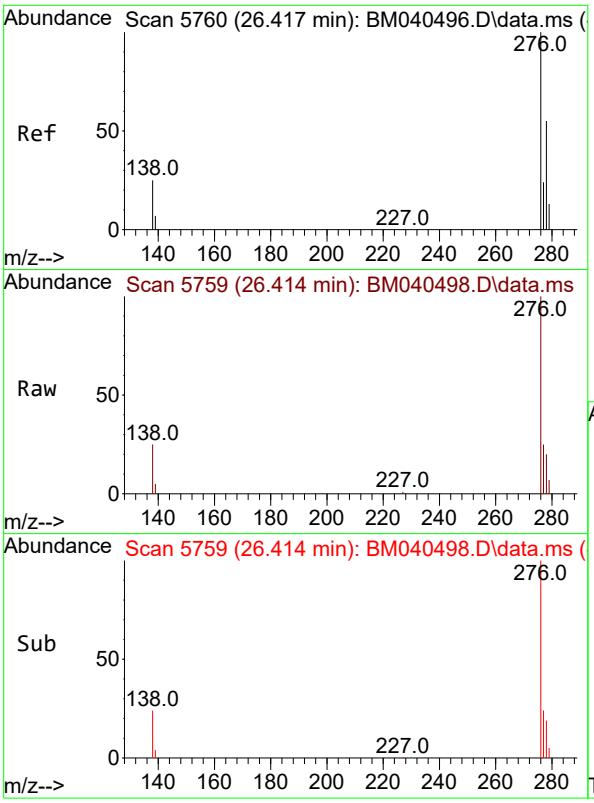




#26
Benzo(a)pyrene
Concen: 1.333 ng/ul
RT: 23.807 min Scan# 4929
Delta R.T. -0.005 min
Lab File: BM040498.D
Acq: 01 Jul 2023 11:48

Tgt Ion:252 Resp: 81235

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.6 | 22.9 | 34.3 |
| 125 | 15.4 | 21.0 | 31.4# |



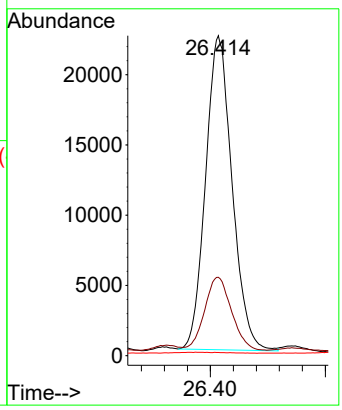


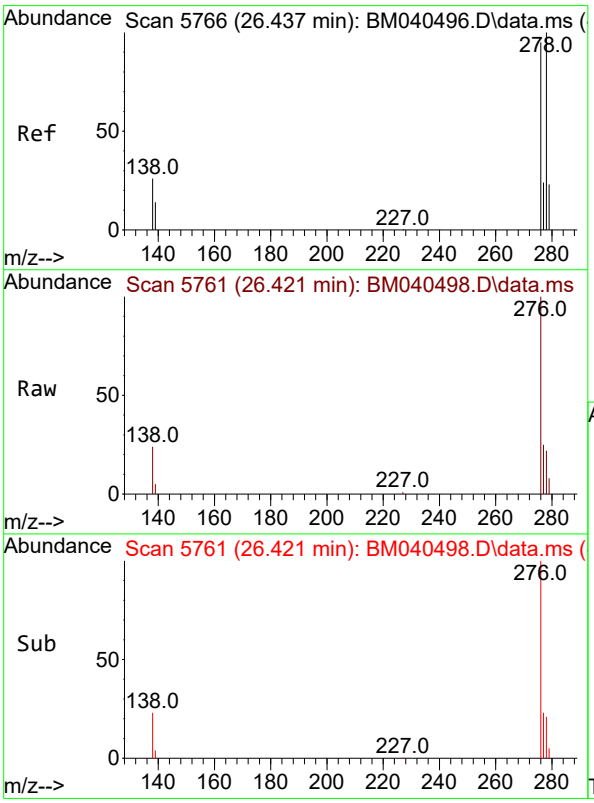

#27
Indeno(1,2,3-cd)pyrene
Concen: 0.843 ng/ul
RT: 26.414 min Scan# 5
Delta R.T. -0.006 min
Lab File: BM040498.D
Acq: 01 Jul 2023 11:48

**Instrument :**
BNA_M
**ClientSampleId :**
DCFW1DL

Tgt Ion:276 Resp: 71540

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 23.7 | 24.5 | 36.7# |
| 227 | 0.0 | 0.1 | 0.1# |

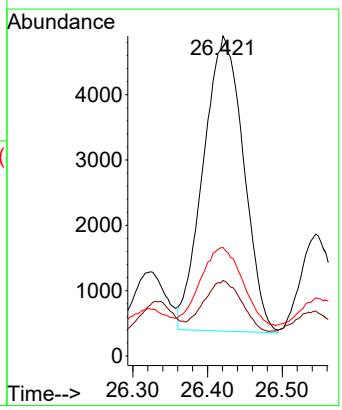


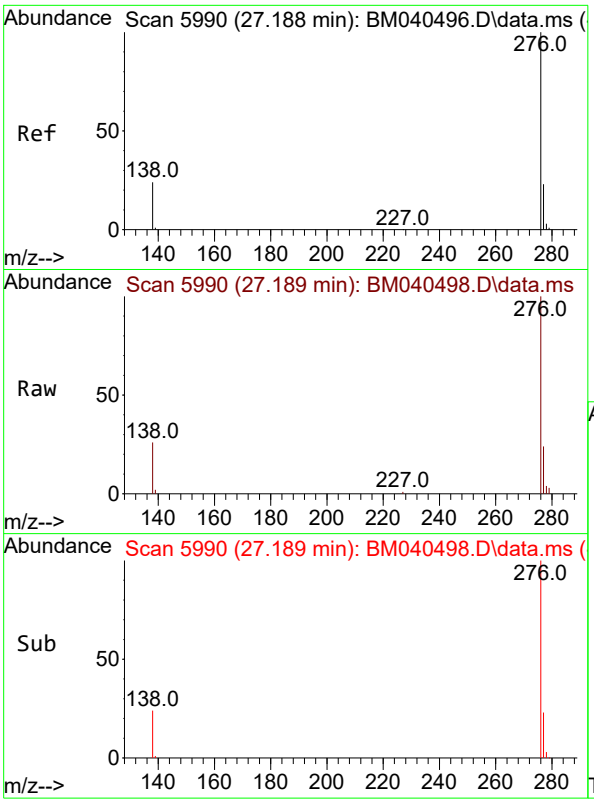




#28
Dibenzo(a,h)anthracene
Concen: 0.255 ng/ul
RT: 26.421 min Scan# 5761
Delta R.T. -0.016 min
Lab File: BM040498.D
Acq: 01 Jul 2023 11:48

Tgt Ion:278 Resp: 16923

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 23.6 | 17.9 | 26.9 |
| 279 | 33.9 | 22.0 | 33.0# |






#29
Benzo(g,h,i)perylene
Concen: 0.863 ng/ul
RT: 27.189 min Scan# 5
Delta R.T. 0.004 min
Lab File: BM040498.D
Acq: 01 Jul 2023 11:48

**Instrument :**
BNA_M
**ClientSampleId :**
DCFW1DL

Tgt Ion:276 Resp: 64170

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 25.8 | 23.0 | 34.6 |
| 277 | 24.4 | 20.3 | 30.5 |