Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071223\
Data File : BM040831.D
Acq On : 12 Jul 2023 11:03
Operator : MA/JU
Sample : 03414-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
A46G1

Quant Time: Jul 13 00:12:07 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 : Wed Jul 12 05:37:29 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.879 | 152 | 4009 | 0.400 | ng/ul | 0.00 |
| 4) Naphthalene-d8 | 10.682 | 136 | 15403 | 0.400 | ng/ul | # 0.00 |
| 9) Acenaphthene-d10 | 14.523 | 164 | 7524 | 0.400 | ng/ul | 0.00 |
| 13) Phenanthrene-d10 | 17.274 | 188 | 15139 | 0.400 | ng/ul | -0.02 |
| 17) Chrysene-d12 | 21.470 | 240 | 8927 | 0.400 | ng/ul | -0.01 |
| 23) Perylene-d12 | 23.858 | 264 | 6299 | 0.400 | ng/ul | -0.02 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.292 | 96 | 7857 | 1.248 | ng/ul | 0.00 |
| 6) 2-Methylnaphthalene-d10 | 12.276 | 152 | 3125 | 0.145 | ng/ul | 0.00 |
| 18) Fluoranthene-d10 | 19.307 | 212 | 4567 | 0.160 | ng/ul | -0.01 |
| Target Compounds | | | | | | Qvalue |
| 5) Naphthalene | 10.731 | 128 | 6748 | 0.159 | ng/ul | 96 |
| 7) 2-Methylnaphthalene | 12.348 | 142 | 649 | 0.026 | ng/ul | 99 |
| 10) Acenaphthylene | 14.241 | 152 | 870 | 0.026 | ng/ul# | 51 |
| 12) Fluorene | 15.573 | 166 | 760 | 0.025 | ng/ul# | 89 |
| 15) Phenanthrene | 17.317 | 178 | 8428 | 0.179 | ng/ul | 96 |
| 16) Anthracene | 17.405 | 178 | 1778 | 0.045 | ng/ul# | 74 |
| 19) Fluoranthene | 19.335 | 202 | 13028 | 0.344 | ng/ul | 100 |
| 20) Pyrene | 19.697 | 202 | 12629 | 0.311 | ng/ul# | 90 |
| 21) Benzo(a)anthracene | 21.455 | 228 | 4885 | 0.162 | ng/ul# | 86 |
| 22) Chrysene | 21.505 | 228 | 4746 | 0.138 | ng/ul# | 89 |
| 24) Benzo(b)fluoranthene | 23.136 | 252 | 5404 | 0.222 | ng/ul# | 65 |
| 26) Benzo(a)pyrene | 23.747 | 252 | 3247 | 0.148 | ng/ul# | 41 |
| 27) Indeno(1,2,3-cd)pyrene | 26.332 | 276 | 2588 | 0.085 | ng/ul# | 84 |
| 28) Dibenzo(a,h)anthracene | 26.355 | 278 | 747 | 0.031 | ng/ul# | 1 |
| 29) Benzo(g,h,i)perylene | 27.090 | 276 | 559 | 0.021 | ng/ul# | 10 |

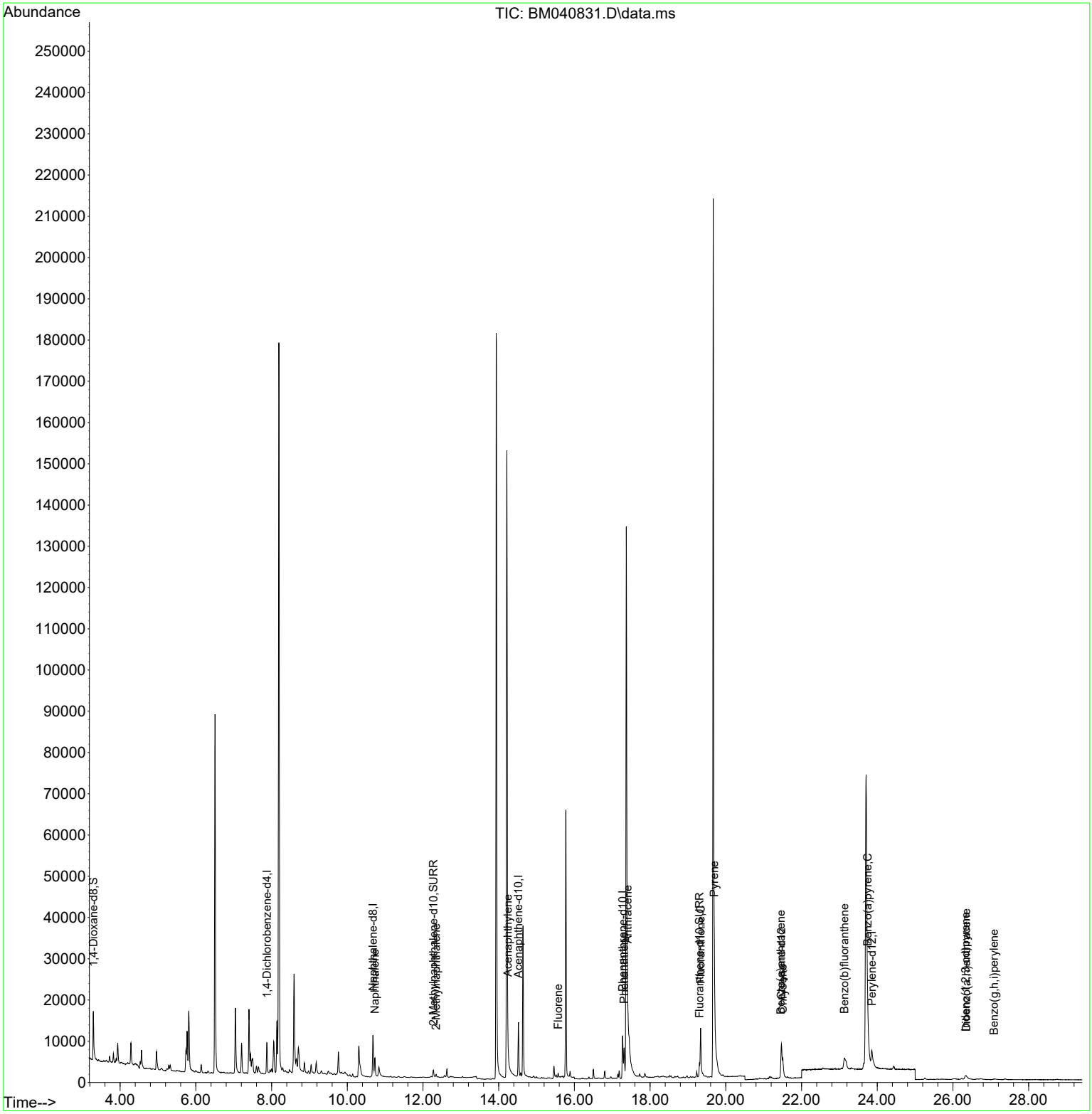
(#) = qualifier out of range (m) = manual integration (+) = signals summed

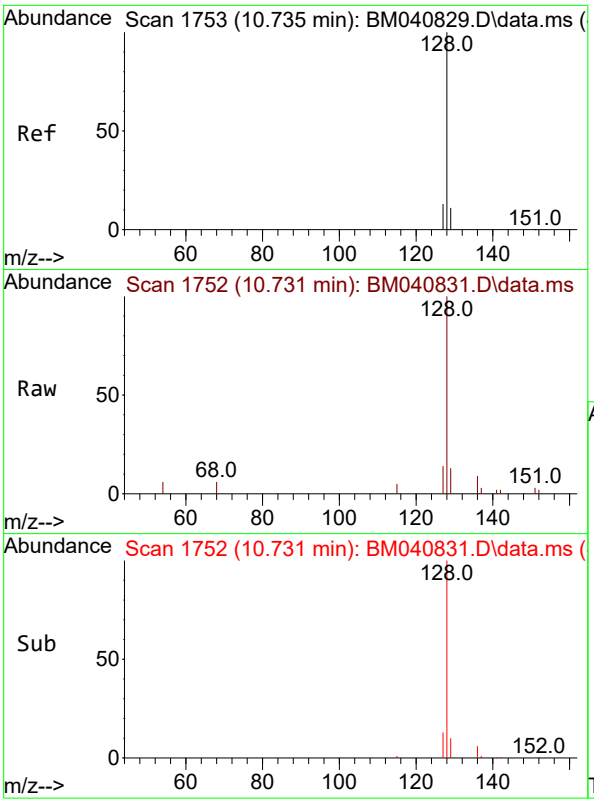
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071223\
Data File : BM040831.D
Acq On : 12 Jul 2023 11:03
Operator : MA/JU
Sample : 03414-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
A46G1

Quant Time: Jul 13 00:12:07 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 : Wed Jul 12 05:37:29 2023
Response via : Initial Calibration



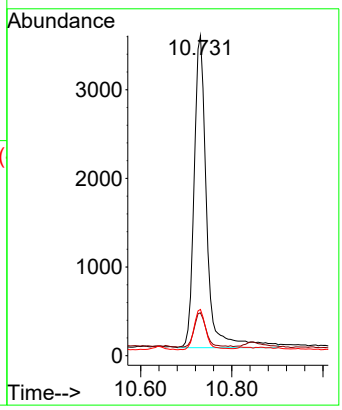


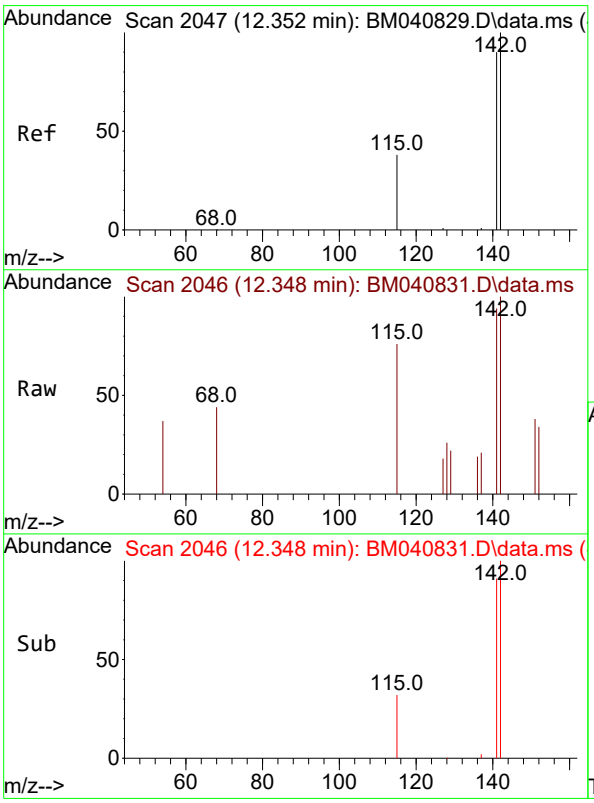

#5
Naphthalene
Concen: 0.159 ng/ul
RT: 10.731 min Scan# 1
Delta R.T. -0.009 min
Lab File: BM040831.D
Acq: 12 Jul 2023 11:03

**Instrument :**
BNA_M
**ClientSampleId :**
A46G1

Tgt Ion:128 Resp: 6748

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 13.4 | 9.2 | 13.8 |
| 127 | 14.5 | 10.6 | 15.8 |

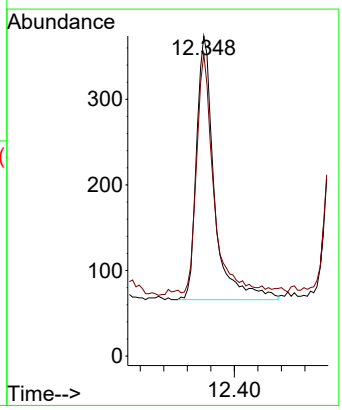


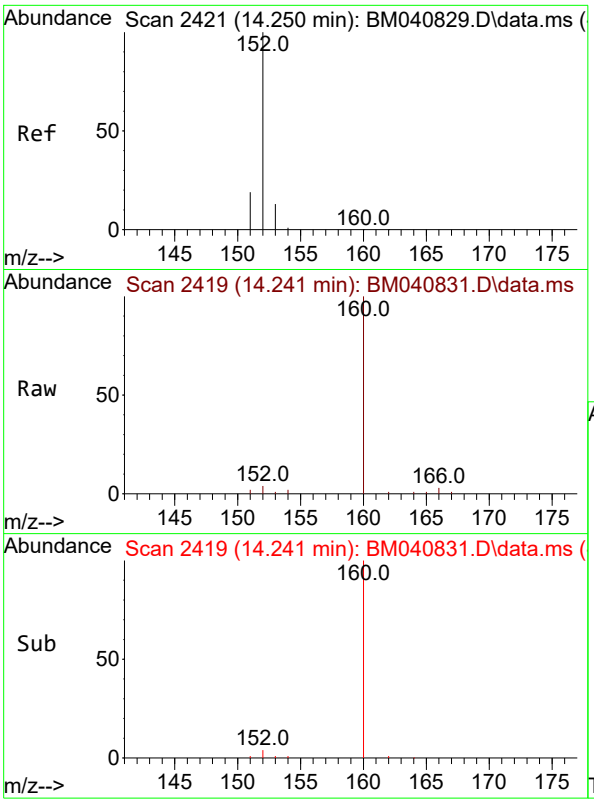




#7
2-Methylnaphthalene
Concen: 0.026 ng/ul
RT: 12.348 min Scan# 2046
Delta R.T. -0.009 min
Lab File: BM040831.D
Acq: 12 Jul 2023 11:03

Tgt Ion:142 Resp: 649

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.1 | 71.9 | 107.9 |



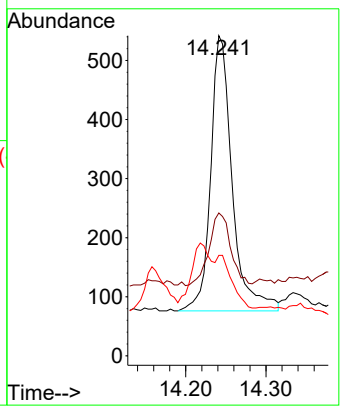


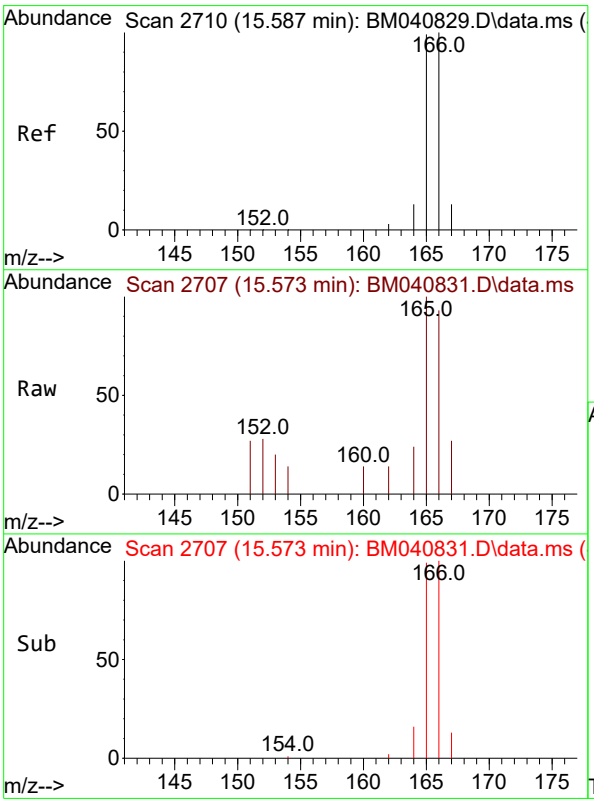

#10
Acenaphthylene
Concen: 0.026 ng/ul
RT: 14.241 min Scan# 24
Delta R.T. -0.013 min
Lab File: BM040831.D
Acq: 12 Jul 2023 11:03

**Instrument :**
BNA_M
**ClientSampleId :**
A46G1

Tgt Ion:152 Resp: 870

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 44.6 | 16.2 | 24.2# |
| 153 | 31.4 | 10.9 | 16.3# |

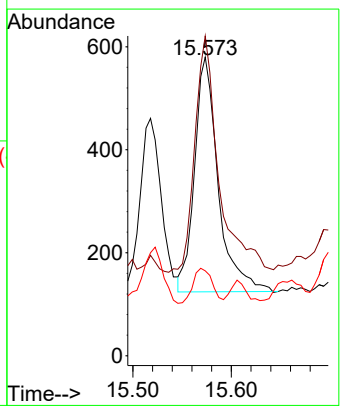


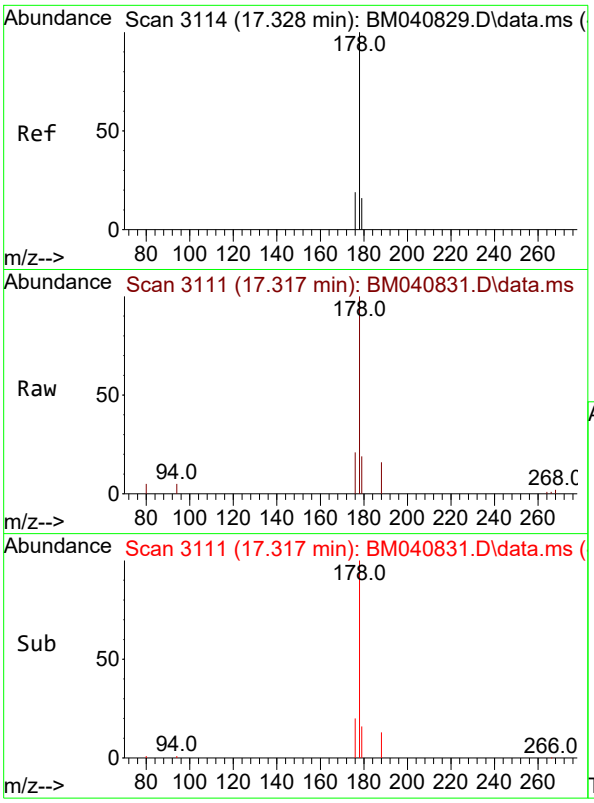




#12
Fluorene
Concen: 0.025 ng/ul
RT: 15.573 min Scan# 2707
Delta R.T. -0.018 min
Lab File: BM040831.D
Acq: 12 Jul 2023 11:03

Tgt Ion:166 Resp: 760

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 107.1 | 79.6 | 119.4 |
| 167 | 28.4 | 11.4 | 17.0# |



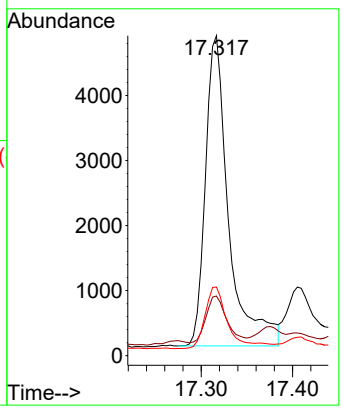


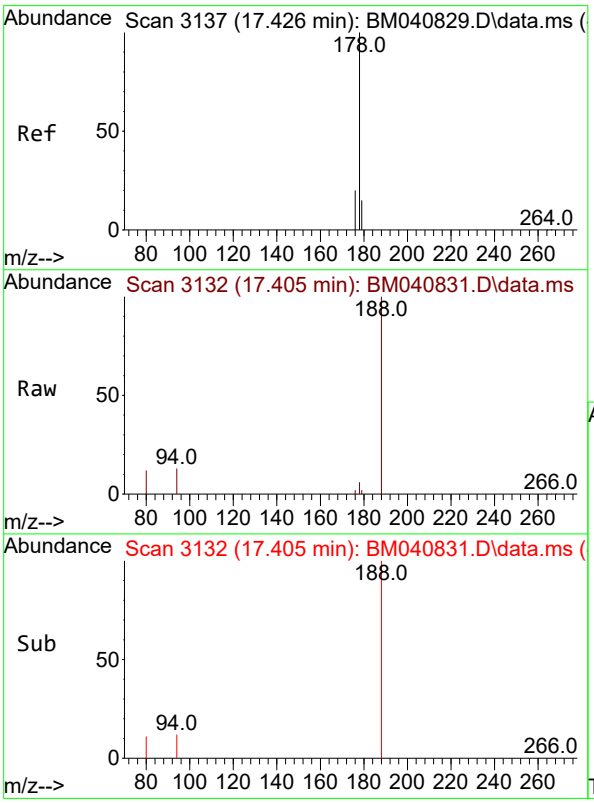

#15
Phenanthrene
Concen: 0.179 ng/ul
RT: 17.317 min Scan# 3
Delta R.T. -0.016 min
Lab File: BM040831.D
Acq: 12 Jul 2023 11:03

**Instrument :**
BNA_M
**ClientSampleId :**
A46G1

Tgt Ion:178 Resp: 8428

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 18.6 | 12.8 | 19.2 |
| 176 | 21.5 | 16.4 | 24.6 |

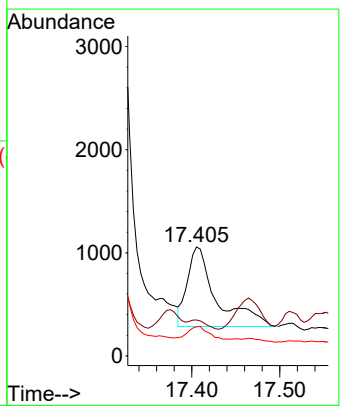


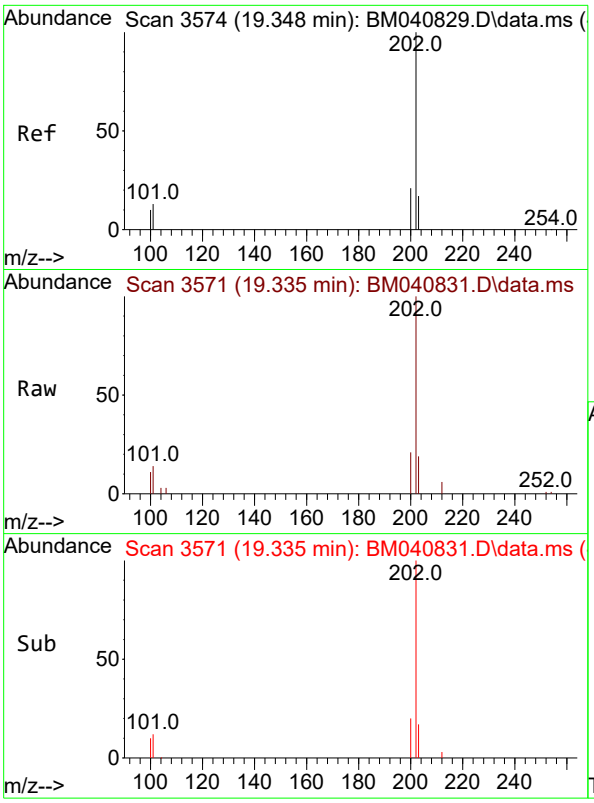




#16
Anthracene
Concen: 0.045 ng/ul
RT: 17.405 min Scan# 3132
Delta R.T. -0.025 min
Lab File: BM040831.D
Acq: 12 Jul 2023 11:03

Tgt Ion:178 Resp: 1778

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 33.0 | 12.9 | 19.3# |
| 176 | 26.8 | 15.8 | 23.6# |



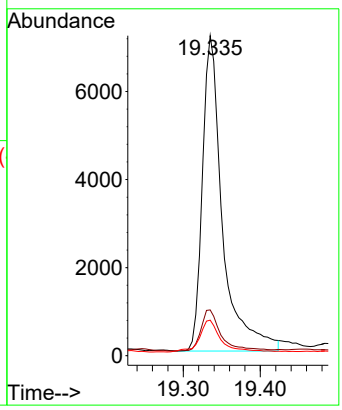


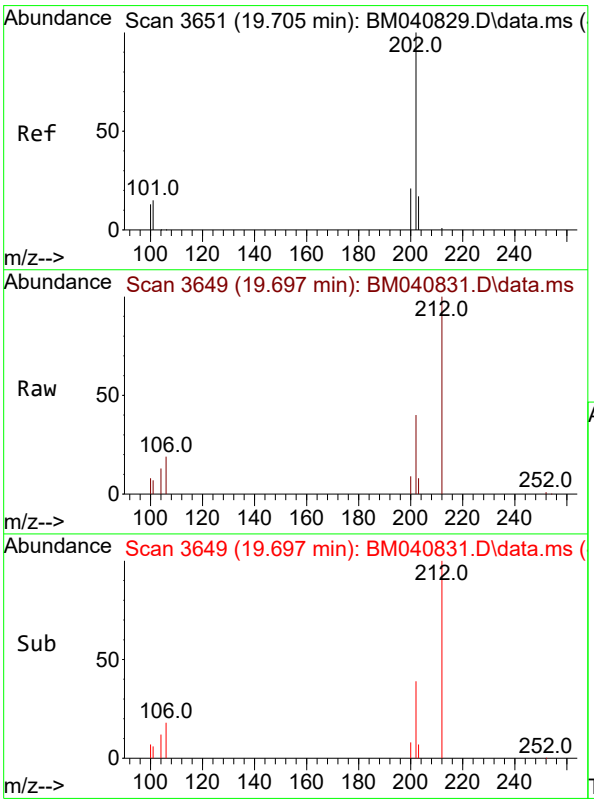

#19
Fluoranthene
Concen: 0.344 ng/ul
RT: 19.335 min Scan# 3
Delta R.T. -0.017 min
Lab File: BM040831.D
Acq: 12 Jul 2023 11:03

**Instrument :**
BNA_M
**ClientSampleId :**
A46G1

Tgt Ion:202 Resp: 13028

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 14.3 | 11.4 | 17.0 |
| 100 | 11.1 | 8.7 | 13.1 |

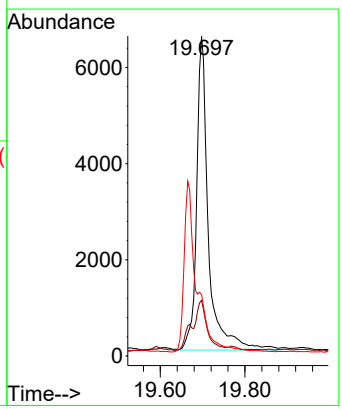


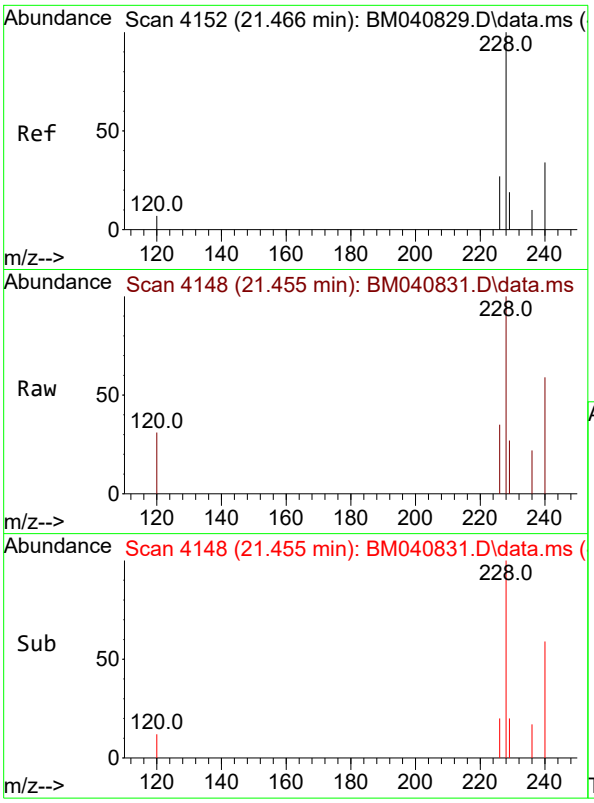




#20
Pyrene
Concen: 0.311 ng/ul
RT: 19.697 min Scan# 3649
Delta R.T. -0.013 min
Lab File: BM040831.D
Acq: 12 Jul 2023 11:03

Tgt Ion:202 Resp: 12629

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 17.3 | 12.6 | 18.8 |
| 100 | 19.2 | 9.8 | 14.6# |



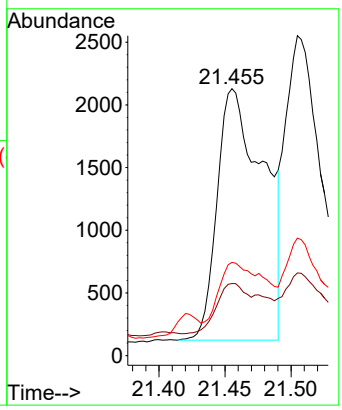


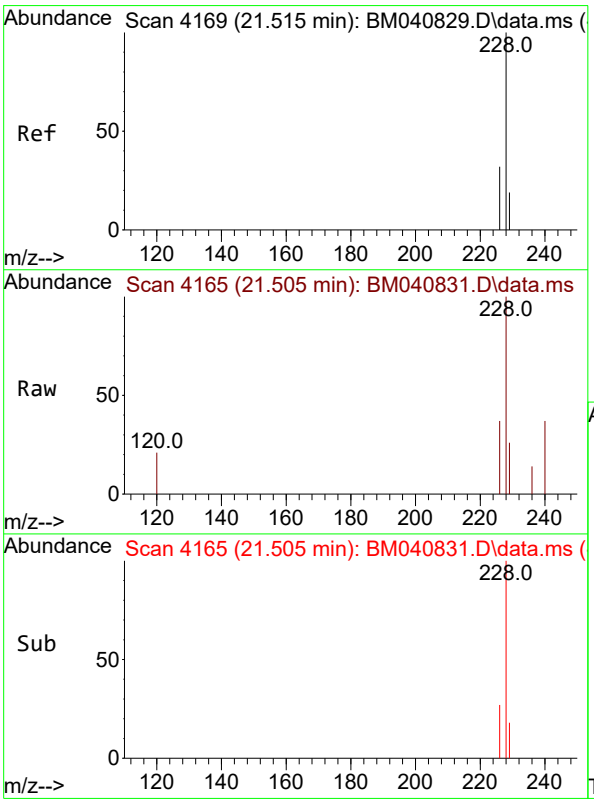

#21
Benzo(a)anthracene
Concen: 0.162 ng/ul
RT: 21.455 min Scan# 4
Delta R.T. -0.014 min
Lab File: BM040831.D
Acq: 12 Jul 2023 11:03

**Instrument :**
BNA_M
**ClientSampleId :**
A46G1

Tgt Ion:228 Resp: 4885

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 27.0 | 16.0 | 24.0# |
| 226 | 34.9 | 22.3 | 33.5# |

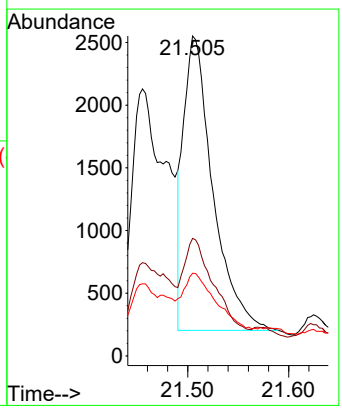


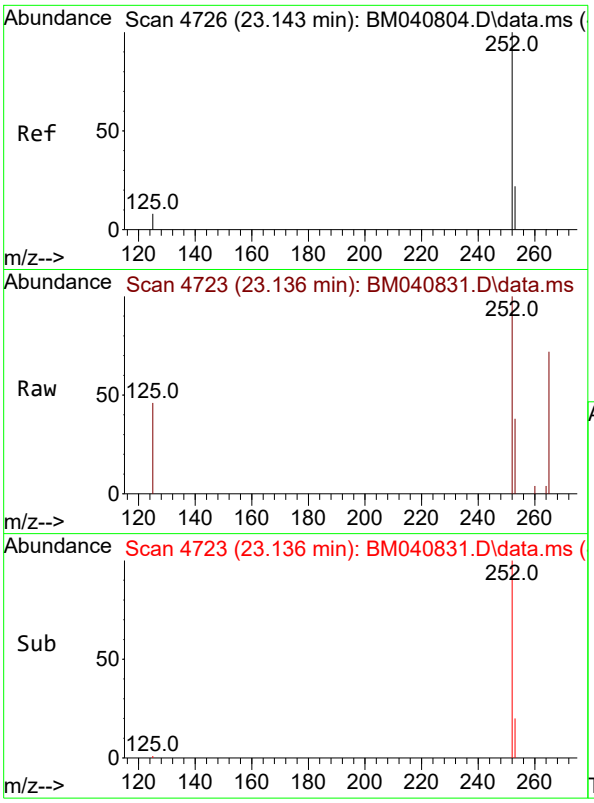




#22
Chrysene
Concen: 0.138 ng/ul
RT: 21.505 min Scan# 4165
Delta R.T. -0.011 min
Lab File: BM040831.D
Acq: 12 Jul 2023 11:03

Tgt Ion:228 Resp: 4746

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 36.7 | 24.9 | 37.3 |
| 229 | 25.9 | 15.8 | 23.6# |



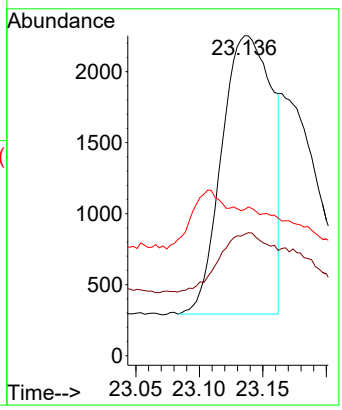


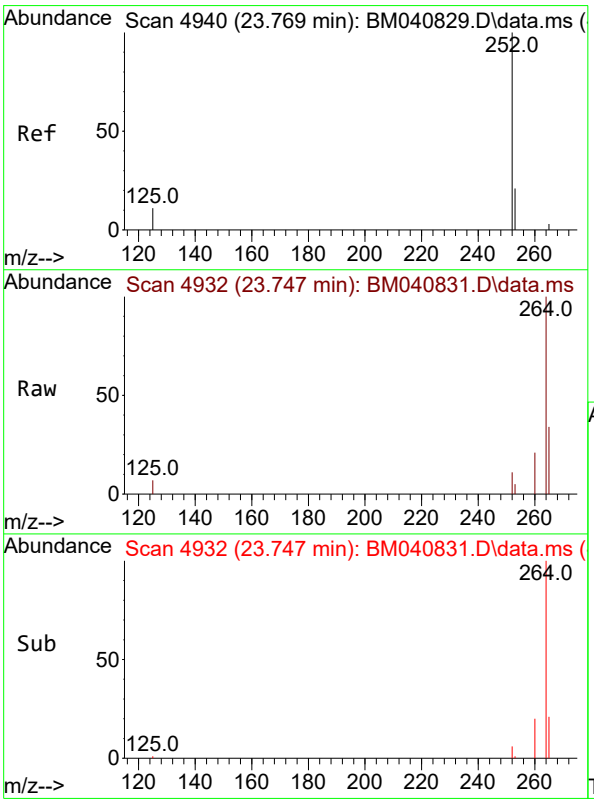

#24
Benzo(b)fluoranthene
Concen: 0.222 ng/ul
RT: 23.136 min Scan# 4
Delta R.T. -0.008 min
Lab File: BM040831.D
Acq: 12 Jul 2023 11:03

**Instrument :**
BNA_M
**ClientSampleId :**
A46G1

Tgt Ion:252 Resp: 5404

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 37.9 | 0.0 | 52.8 |
| 125 | 45.6 | 0.0 | 43.0# |

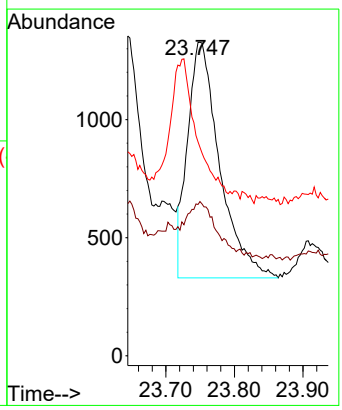


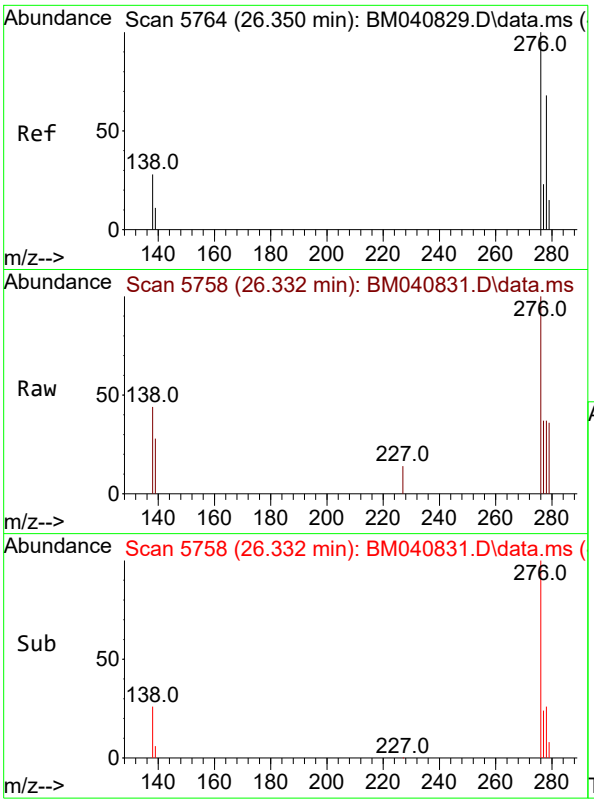




#26
Benzo(a)pyrene
Concen: 0.148 ng/ul
RT: 23.747 min Scan# 4932
Delta R.T. -0.025 min
Lab File: BM040831.D
Acq: 12 Jul 2023 11:03

Tgt Ion:252 Resp: 3247

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 48.3 | 22.9 | 34.3# |
| 125 | 68.3 | 21.0 | 31.4# |



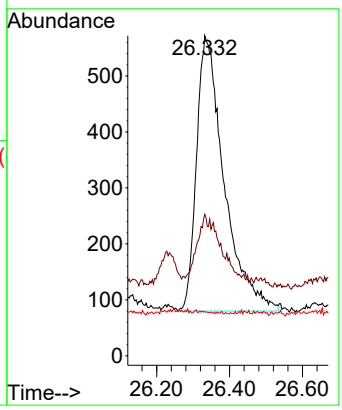


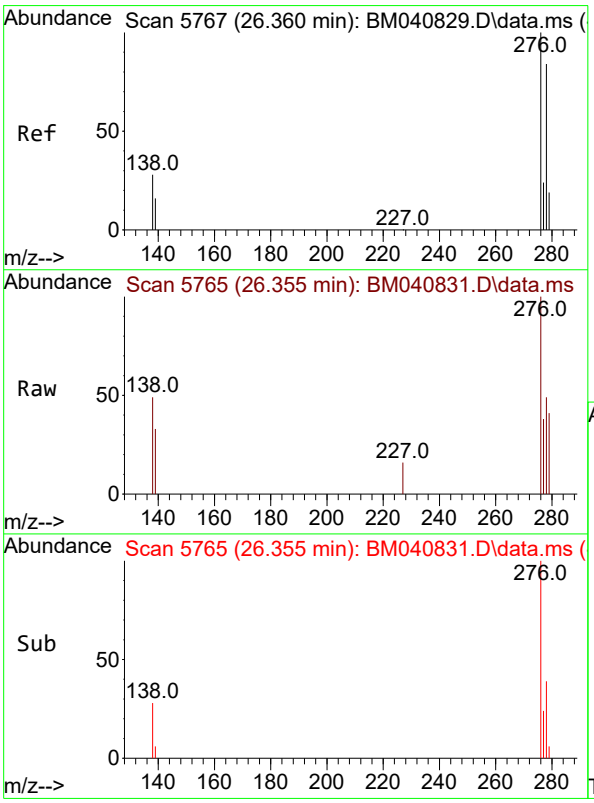

#27
Indeno(1,2,3-cd)pyrene
Concen: 0.085 ng/ul
RT: 26.332 min Scan# 5
Delta R.T. -0.032 min
Lab File: BM040831.D
Acq: 12 Jul 2023 11:03

**Instrument :**
BNA_M
**ClientSampleId :**
A46G1

Tgt Ion:276 Resp: 2588

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 21.8 | 24.5 | 36.7# |
| 227 | 0.4 | 0.1 | 0.1# |

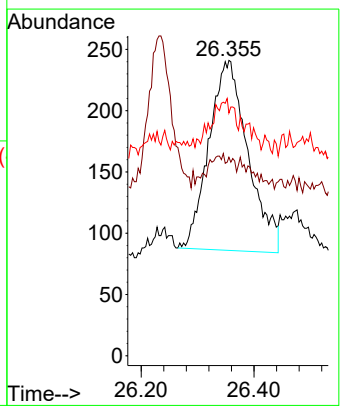


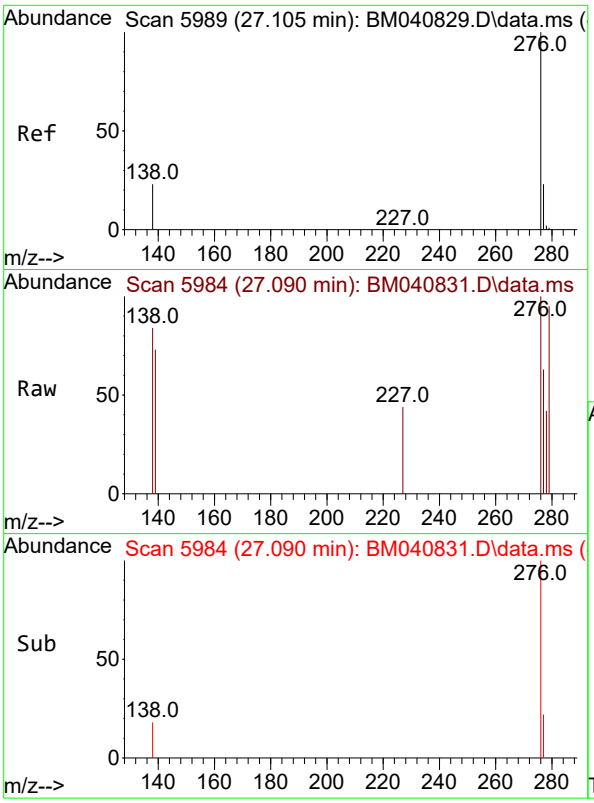




#28
Dibenzo(a,h)anthracene
Concen: 0.031 ng/ul
RT: 26.355 min Scan# 5765
Delta R.T. -0.019 min
Lab File: BM040831.D
Acq: 12 Jul 2023 11:03

Tgt Ion:278 Resp: 747

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 67.2 | 17.9 | 26.9# |
| 279 | 82.2 | 22.0 | 33.0# |






#29
Benzo(g,h,i)perylene
Concen: 0.021 ng/ul
RT: 27.090 min Scan# 5
Delta R.T. -0.022 min
Lab File: BM040831.D
Acq: 12 Jul 2023 11:03

**Instrument :**
BNA_M
**ClientSampleId :**
A46G1

Tgt Ion:276 Resp: 559

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 83.7 | 23.0 | 34.6# |
| 277 | 62.8 | 20.3 | 30.5# |