Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM030923\
Data File : BM038962.D
Acq On : 10 Mar 2023 02:12
Operator : CG/JU
Sample : 01729-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
C0BZ5

Quant Time: Mar 10 04:07:20 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM030323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 09 13:36:03 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.995 | 152 | 8912 | 0.400 | ng/ul | | 0.00 |
| 4) Naphthalene-d8 | 10.805 | 136 | 30026 | 0.400 | ng/ul | # | 0.00 |
| 9) Acenaphthene-d10 | 14.628 | 164 | 18585 | 0.400 | ng/ul | | 0.00 |
| 13) Phenanthrene-d10 | 17.370 | 188 | 38143 | 0.400 | ng/ul | # | 0.00 |
| 17) Chrysene-d12 | 21.550 | 240 | 29839 | 0.400 | ng/ul | | 0.00 |
| 23) Perylene-d12 | 23.993 | 264 | 24294 | 0.400 | ng/ul | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.375 | 96 | 39979 | 3.965 | ng/ul | | 0.00 |
| 6) 2-Methylnaphthalene-d10 | 12.389 | 152 | 12131 | 0.334 | ng/ul | | 0.00 |
| 18) Fluoranthene-d10 | 19.393 | 212 | 30309 | 0.427 | ng/ul | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 5) Naphthalene | 10.855 | 128 | 12749 | 0.178 | ng/ul | # | 92 |
| 7) 2-Methylnaphthalene | 12.461 | 142 | 34196 | 0.785 | ng/ul | | 99 |
| 8) 1-Methylnaphthalene | 12.681 | 142 | 18080 | 0.396 | ng/ul | | 94 |
| 11) Acenaphthene | 14.711 | 153 | 2819 | 0.051 | ng/ul | # | 29 |
| 12) Fluorene | 15.673 | 166 | 3372 | 0.054 | ng/ul | # | 74 |
| 15) Phenanthrene | 17.412 | 178 | 5535 | 0.055 | ng/ul | # | 85 |
| 20) Pyrene | 19.788 | 202 | 4317 | 0.042 | ng/ul | # | 81 |

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

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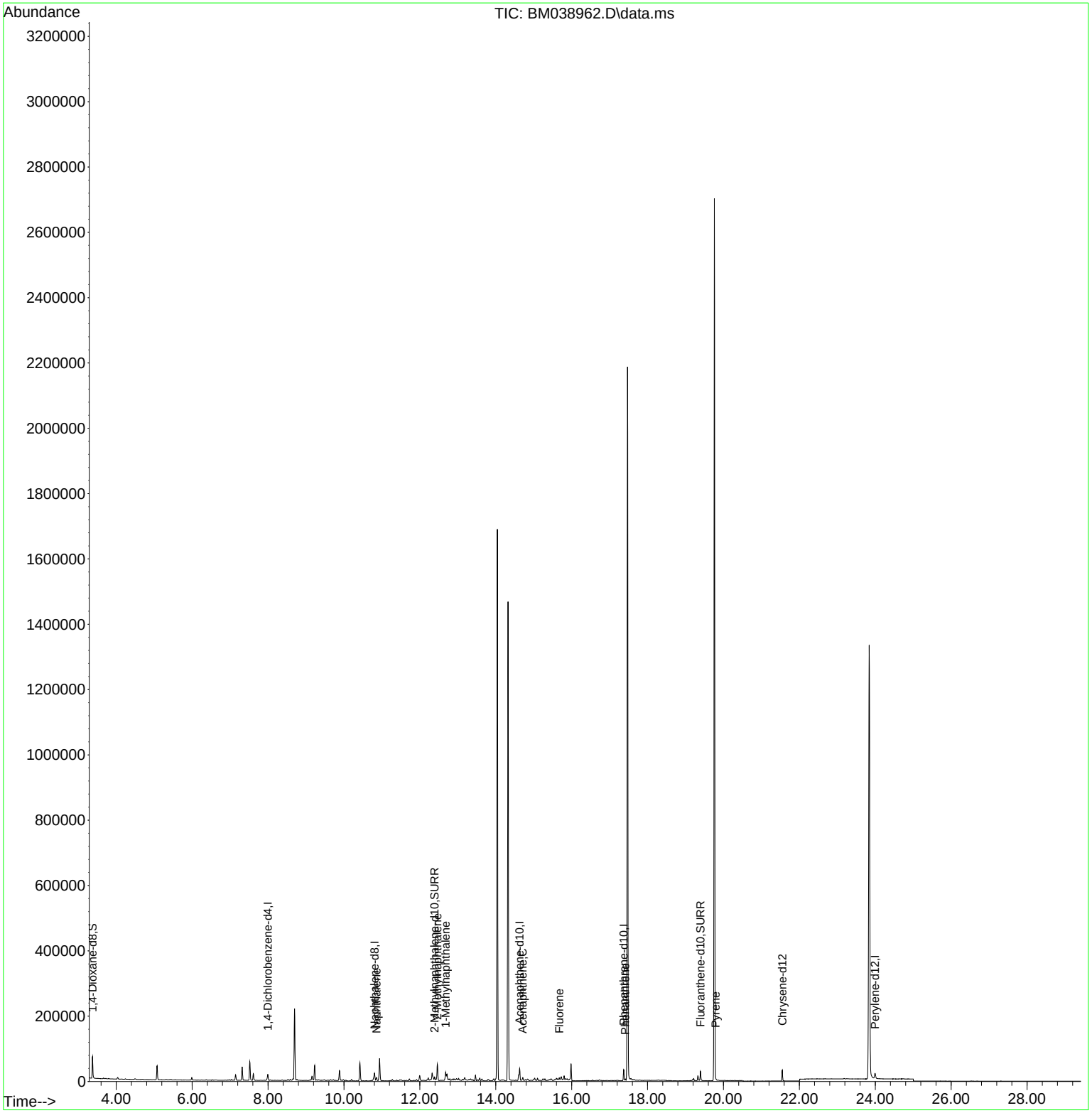
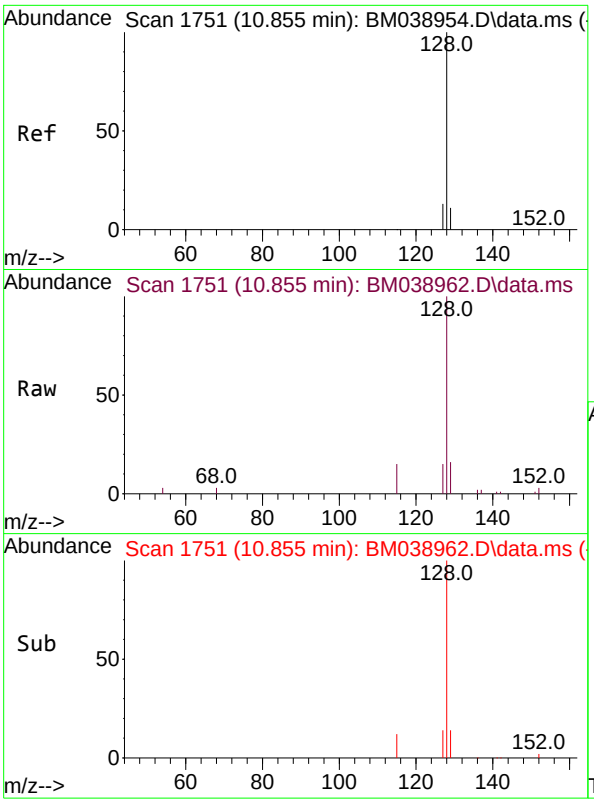


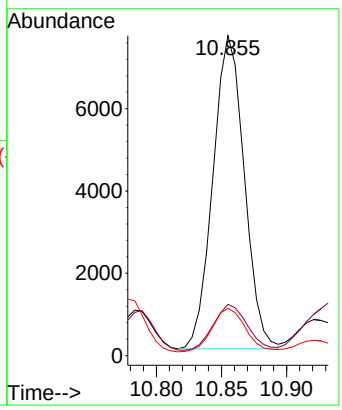


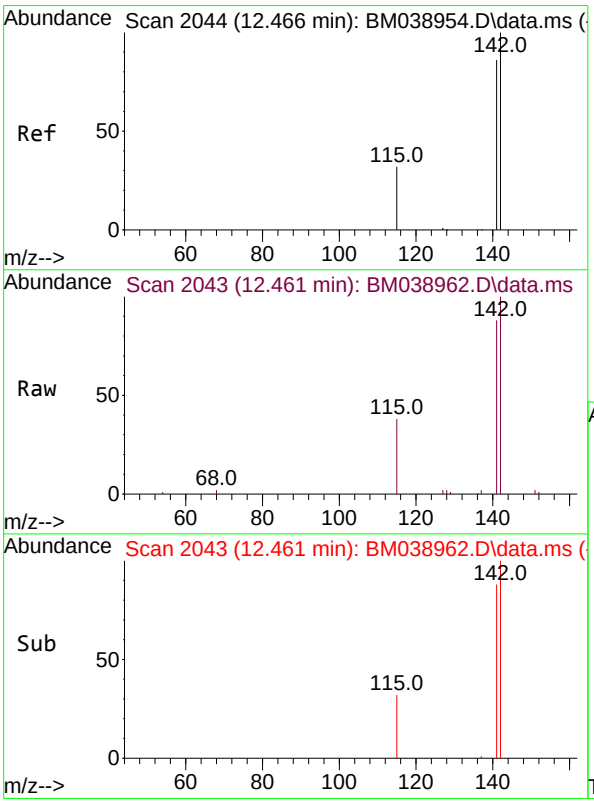

#5
Naphthalene
Concen: 0.178 ng/ul
RT: 10.855 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM038962.D
Acq: 10 Mar 2023 02:12

**Instrument :**
BNA_M
**ClientSampleId :**
C0BZ5

Tgt Ion:128 Resp: 12749

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 16.0 | 9.1 | 13.7# |
| 127 | 14.8 | 10.3 | 15.5 |

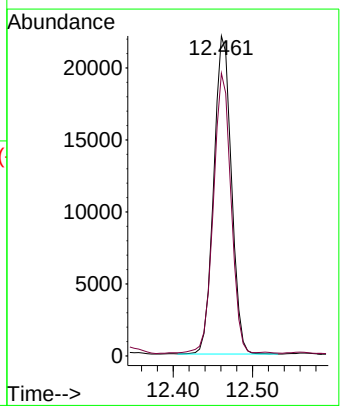


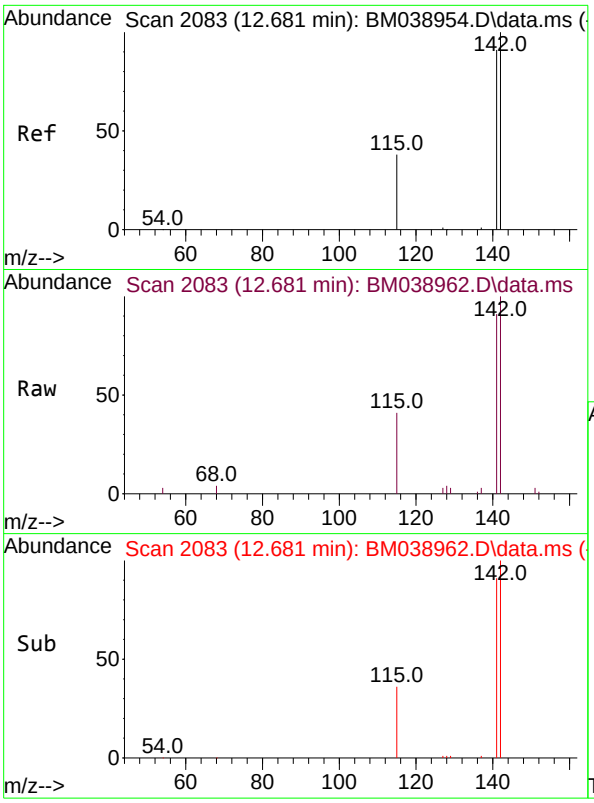




#7
2-Methylnaphthalene
Concen: 0.785 ng/ul
RT: 12.461 min Scan# 2043
Delta R.T. -0.006 min
Lab File: BM038962.D
Acq: 10 Mar 2023 02:12

Tgt Ion:142 Resp: 34196

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.2 | 69.9 | 104.9 |



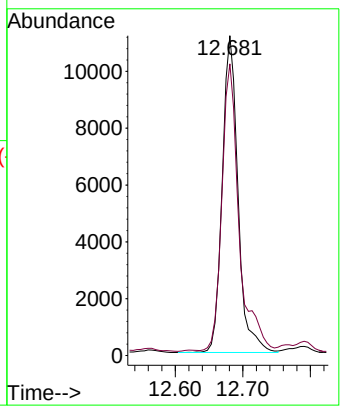


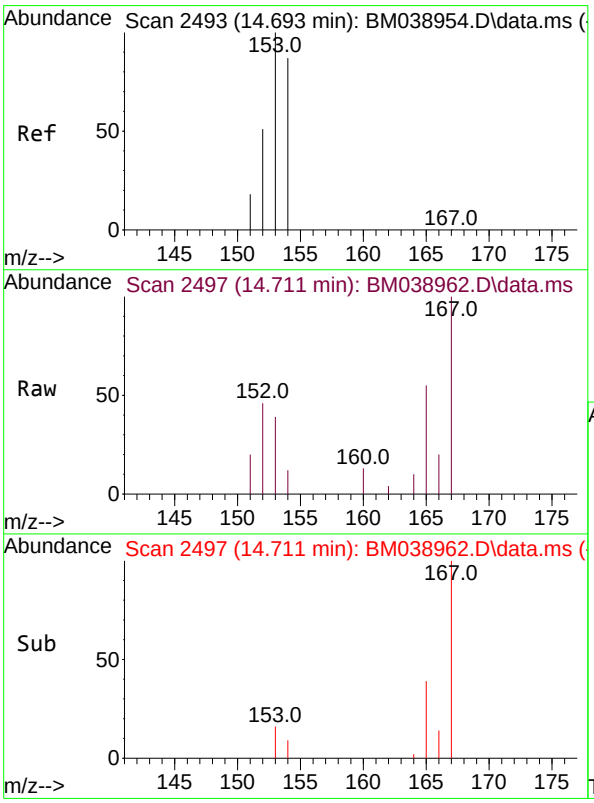

#8
1-Methylnaphthalene
Concen: 0.396 ng/ul
RT: 12.681 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM038962.D
Acq: 10 Mar 2023 02:12

**Instrument :**
BNA_M
**ClientSampleId :**
C0BZ5

Tgt Ion:142 Resp: 18080

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 97.7 | 73.5 | 110.3 |

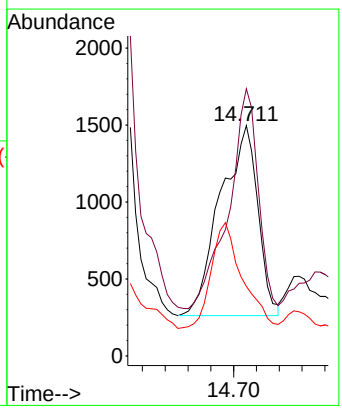


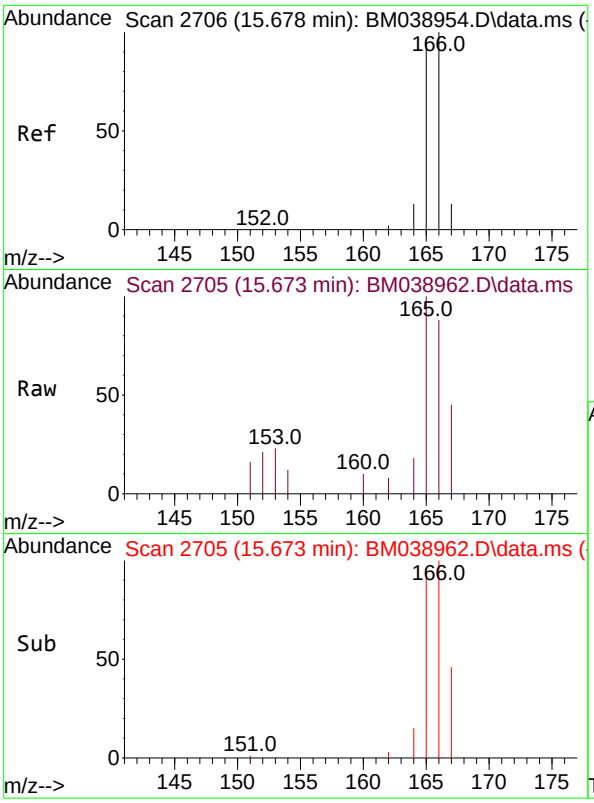




#11
Acenaphthene
Concen: 0.051 ng/ul
RT: 14.711 min Scan# 2497
Delta R.T. 0.018 min
Lab File: BM038962.D
Acq: 10 Mar 2023 02:12

Tgt Ion:153 Resp: 2819

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 116.0 | 44.2 | 66.2# |
| 154 | 30.2 | 70.6 | 105.8# |



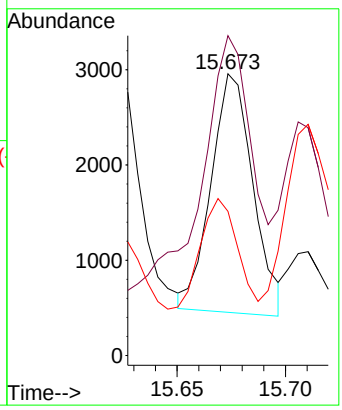


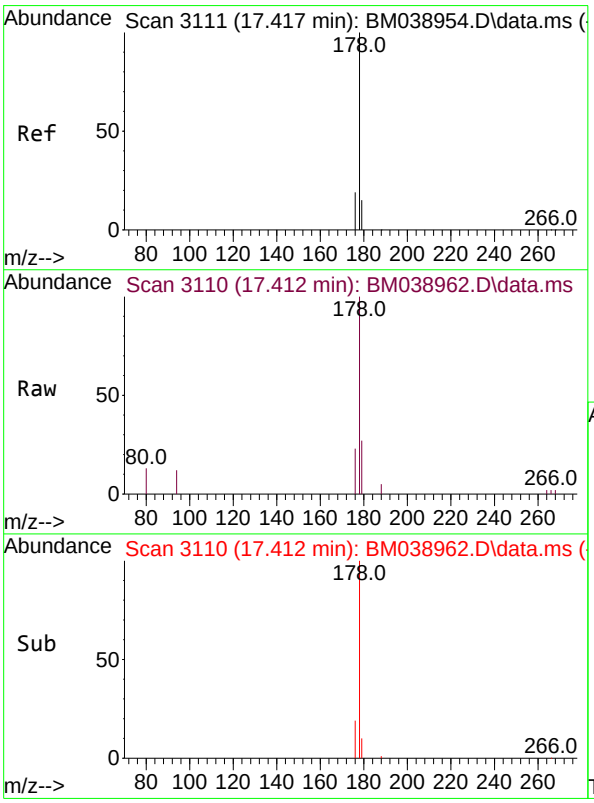

#12
Fluorene
Concen: 0.054 ng/ul
RT: 15.673 min Scan# 2
Delta R.T. -0.005 min
Lab File: BM038962.D
Acq: 10 Mar 2023 02:12

**Instrument :**
BNA_M
**ClientSampleId :**
C0BZ5

Tgt Ion:166 Resp: 3372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 113.5 | 77.8 | 116.6 |
| 167 | 51.1 | 11.4 | 17.2# |

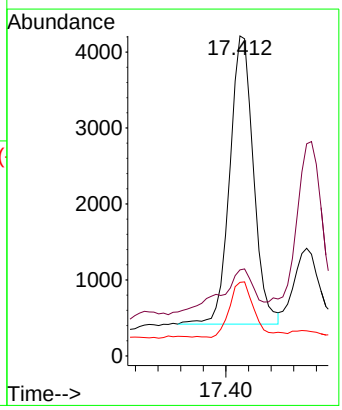


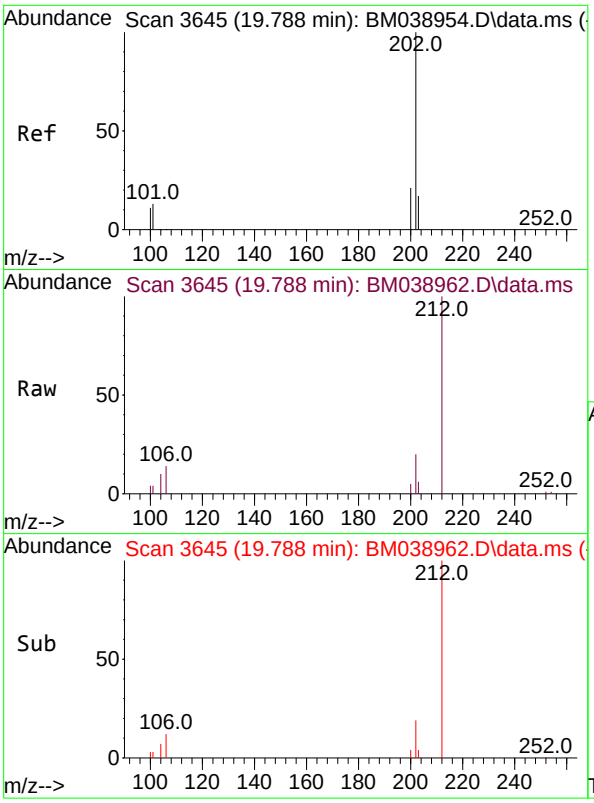




#15
Phenanthrene
Concen: 0.055 ng/ul
RT: 17.412 min Scan# 3110
Delta R.T. -0.004 min
Lab File: BM038962.D
Acq: 10 Mar 2023 02:12

Tgt Ion:178 Resp: 5535

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 26.9 | 12.7 | 19.1# |
| 176 | 23.0 | 15.9 | 23.9 |






#20
Pyrene
Concen: 0.042 ng/ul
RT: 19.788 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM038962.D
Acq: 10 Mar 2023 02:12

**Instrument :**
BNA_M
**ClientSampleId :**
C0BZ5

Tgt Ion:202 Resp: 4317

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 20.3 | 11.2 | 16.8# |
| 100 | 20.1 | 9.0 | 13.6# |