Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM053023\
Data File : BM040072.D
Acq On : 31 May 2023 01:19
Operator : CG/JU
Sample : 02961-12MSD
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
H0FQ2MSD

Quant Time: May 31 02:04:36 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM052523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 30 14:54:33 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.008 | 152 | 5618 | 0.400 | ng/ul | | 0.00 |
| 4) Naphthalene-d8 | 10.822 | 136 | 18823 | 0.400 | ng/ul | | 0.00 |
| 9) Acenaphthene-d10 | 14.642 | 164 | 8567 | 0.400 | ng/ul | | 0.00 |
| 13) Phenanthrene-d10 | 17.387 | 188 | 15156 | 0.400 | ng/ul | # | 0.00 |
| 17) Chrysene-d12 | 21.561 | 240 | 6210 | 0.400 | ng/ul | | 0.00 |
| 23) Perylene-d12 | 24.005 | 264 | 5907 | 0.400 | ng/ul | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.384 | 96 | 1840 | 0.281 | ng/ul | | 0.00 |
| 6) 2-Methylnaphthalene-d10 | 12.406 | 152 | 8533 | 0.371 | ng/ul | | 0.00 |
| 18) Fluoranthene-d10 | 19.407 | 212 | 10566 | 0.565 | ng/ul | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.417 | 88 | 4400 | 0.639 | ng/ul | # | 91 |
| 5) Naphthalene | 10.871 | 128 | 18897 | 0.411 | ng/ul | | 100 |
| 7) 2-Methylnaphthalene | 12.477 | 142 | 14327 | 0.516 | ng/ul | | 99 |
| 8) 1-Methylnaphthalene | 12.697 | 142 | 15563 | 0.539 | ng/ul | | 99 |
| 10) Acenaphthylene | 14.364 | 152 | 14503 | 0.425 | ng/ul | | 98 |
| 11) Acenaphthene | 14.707 | 153 | 12792 | 0.460 | ng/ul | | 99 |
| 12) Fluorene | 15.687 | 166 | 14296 | 0.494 | ng/ul | | 97 |
| 14) Pentachlorophenol | 17.032 | 266 | 2658 | 0.865 | ng/ul | | 98 |
| 15) Phenanthrene | 17.425 | 178 | 24818 | 0.578 | ng/ul | | 99 |
| 16) Anthracene | 17.518 | 178 | 14386 | 0.400 | ng/ul | | 98 |
| 19) Fluoranthene | 19.440 | 202 | 16452 | 0.589 | ng/ul | | 99 |
| 20) Pyrene | 19.802 | 202 | 15999 | 0.565 | ng/ul | | 99 |
| 21) Benzo(a)anthracene | 21.547 | 228 | 10178 | 0.487 | ng/ul | | 99 |
| 22) Chrysene | 21.599 | 228 | 10978 | 0.494 | ng/ul | | 99 |
| 24) Benzo(b)fluoranthene | 23.257 | 252 | 11027 | 0.470 | ng/ul | | 95 |
| 25) Benzo(k)fluoranthene | 23.306 | 252 | 10519 | 0.445 | ng/ul | # | 94 |
| 26) Benzo(a)pyrene | 23.897 | 252 | 8194 | 0.418 | ng/ul | # | 91 |
| 27) Indeno(1,2,3-cd)pyrene | 26.548 | 276 | 12948 | 0.459 | ng/ul | # | 98 |
| 28) Dibenzo(a,h)anthracene | 26.568 | 278 | 10335 | 0.453 | ng/ul | | 97 |
| 29) Benzo(g,h,i)perylene | 27.329 | 276 | 10936 | 0.472 | ng/ul | | 97 |

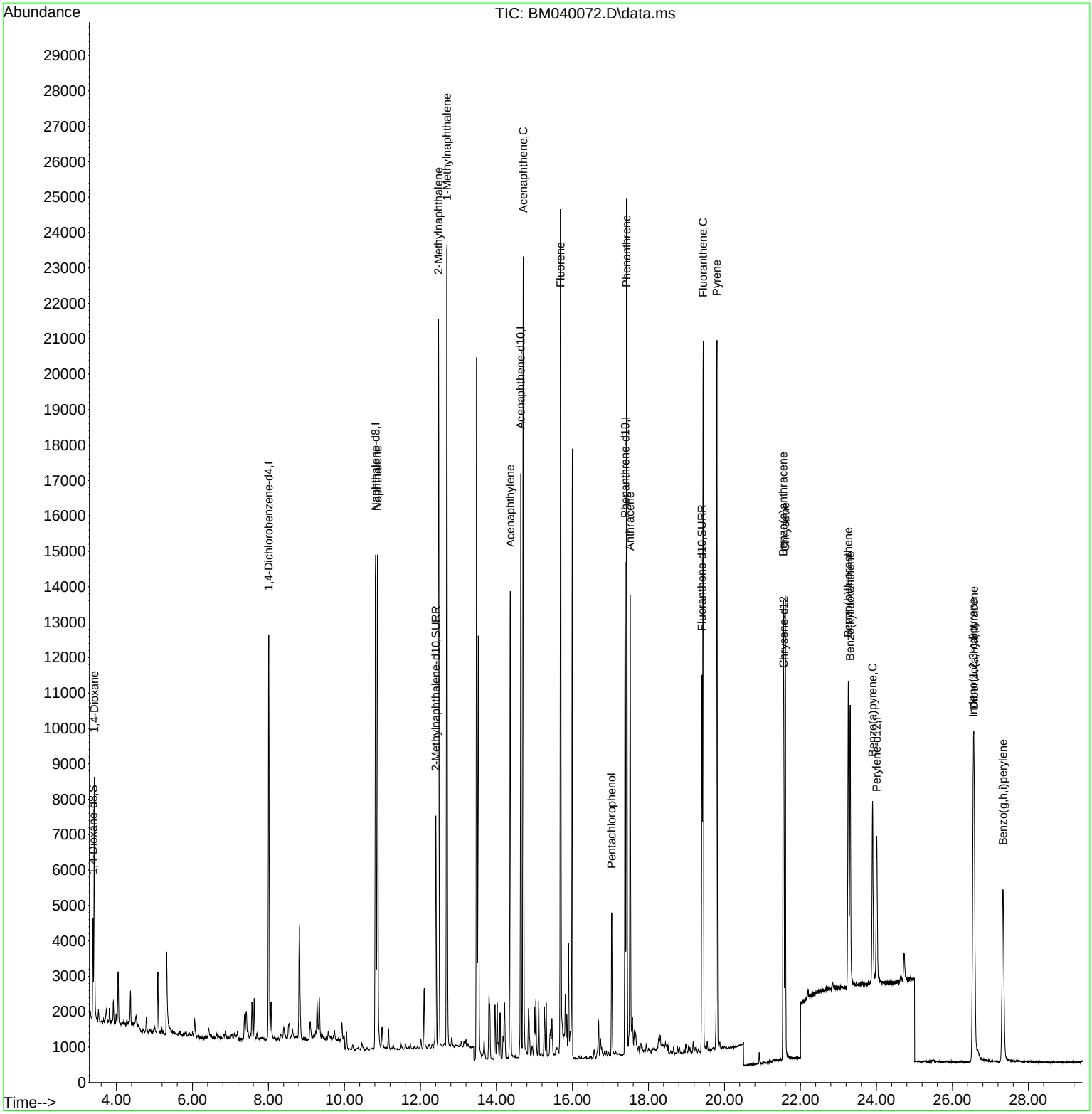
(#) = qualifier out of range (m) = manual integration (+) = signals summed

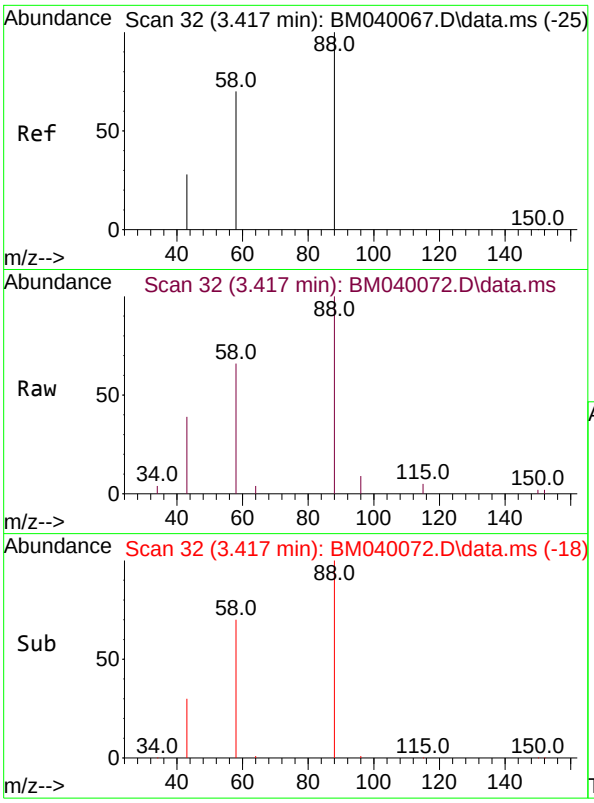
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM053023\
Data File : BM040072.D
Acq On : 31 May 2023 01:19
Operator : CG/JU
Sample : 02961-12MSD
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
H0FQ2MSD

Quant Time: May 31 02:04:36 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM052523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 30 14:54:33 2023
Response via : Initial Calibration



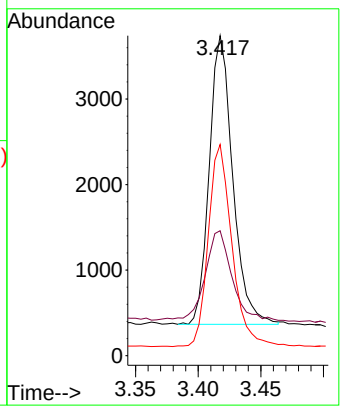


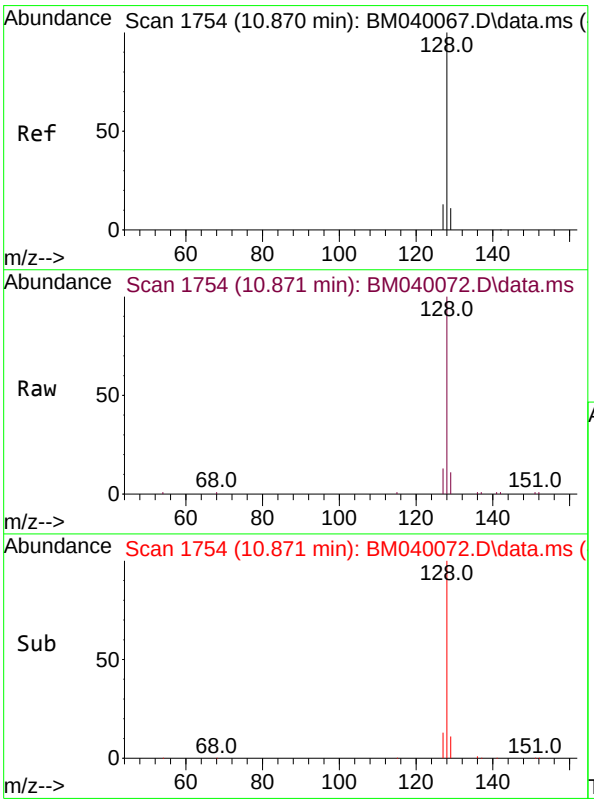

#2
1,4-Dioxane
Concen: 0.639 ng/ul
RT: 3.417 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM040072.D
Acq: 31 May 2023 01:19

**Instrument :**
BNA_M
**ClientSampleId :**
H0FQ2MSD

Tgt Ion: 88 Resp: 4400

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 39.1 | 25.9 | 38.9# |
| 58 | 66.0 | 48.5 | 72.7 |

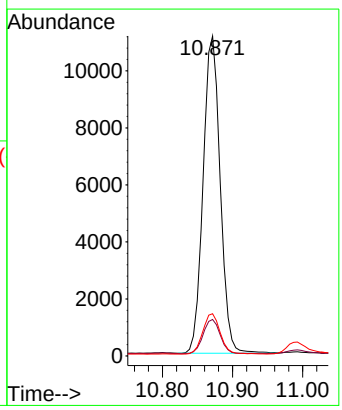


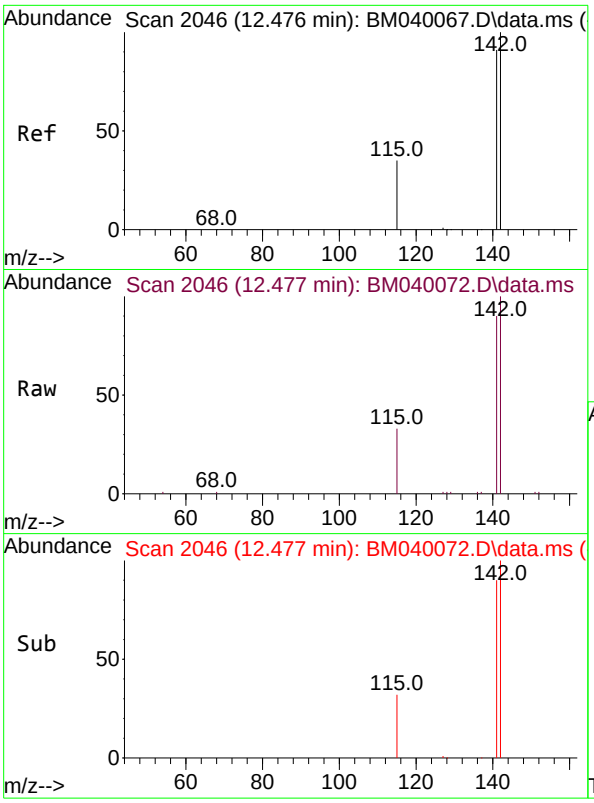




#5
Naphthalene
Concen: 0.411 ng/ul
RT: 10.871 min Scan# 1754
Delta R.T. -0.000 min
Lab File: BM040072.D
Acq: 31 May 2023 01:19

Tgt Ion:128 Resp: 18897

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.4 | 9.0 | 13.6 |
| 127 | 13.2 | 10.5 | 15.7 |



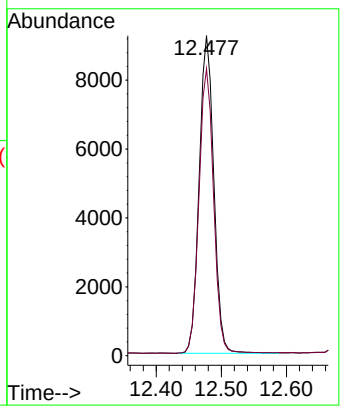


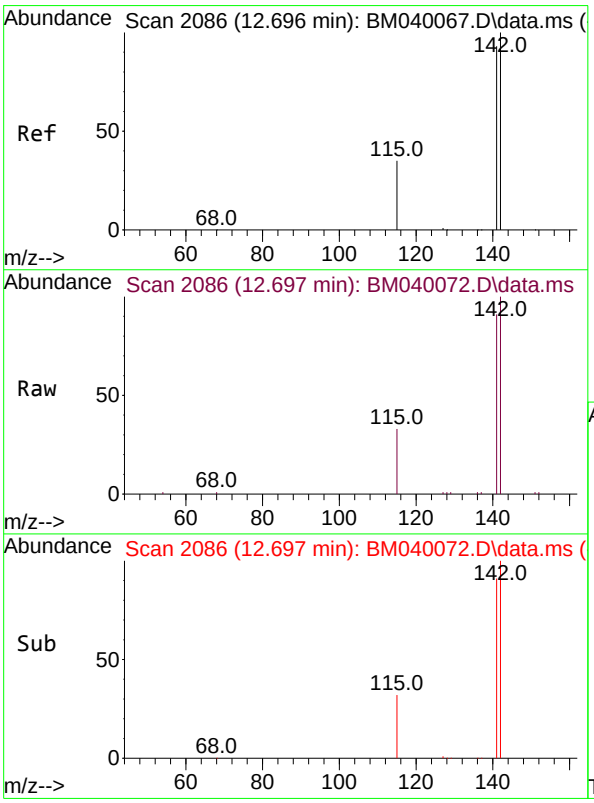

#7
2-Methylnaphthalene
Concen: 0.516 ng/ul
RT: 12.477 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM040072.D
Acq: 31 May 2023 01:19

**Instrument :**
BNA_M
**ClientSampleId :**
H0FQ2MSD

Tgt Ion:142 Resp: 14327

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.1 | 71.3 | 106.9 |

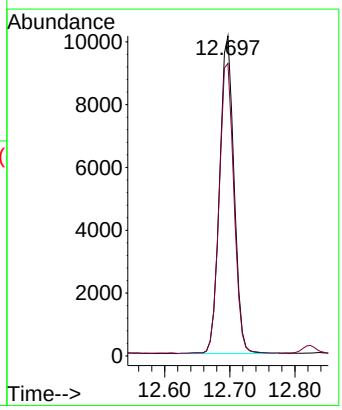


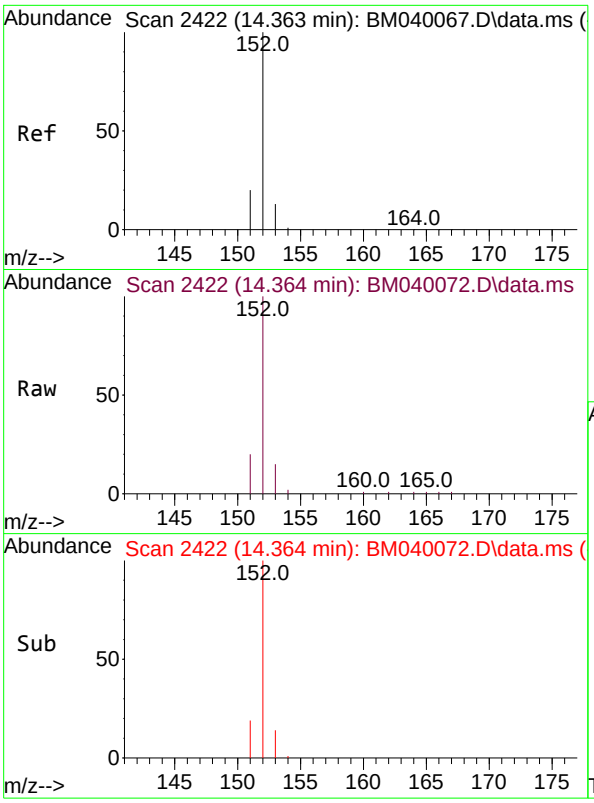




#8
1-Methylnaphthalene
Concen: 0.539 ng/ul
RT: 12.697 min Scan# 2086
Delta R.T. -0.000 min
Lab File: BM040072.D
Acq: 31 May 2023 01:19

Tgt Ion:142 Resp: 15563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 93.3 | 73.8 | 110.6 |



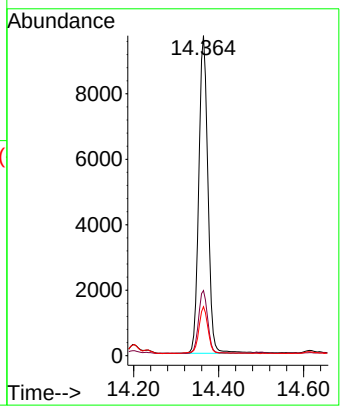


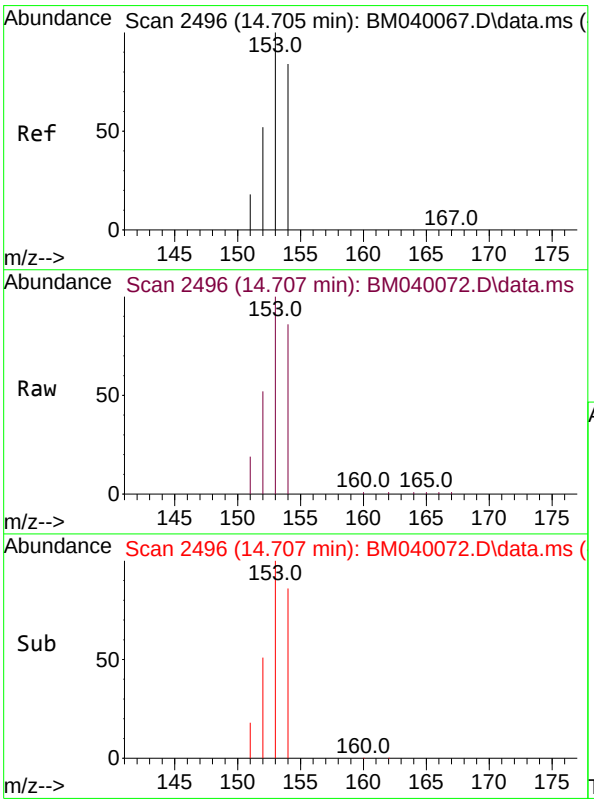

#10
Acenaphthylene
Concen: 0.425 ng/ul
RT: 14.364 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM040072.D
Acq: 31 May 2023 01:19

**Instrument :**
BNA_M
**ClientSampleId :**
H0FQ2MSD

Tgt Ion:152 Resp: 14503

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.4 | 16.2 | 24.4 |
| 153 | 15.3 | 10.6 | 16.0 |

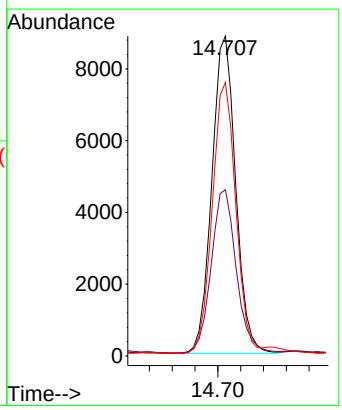


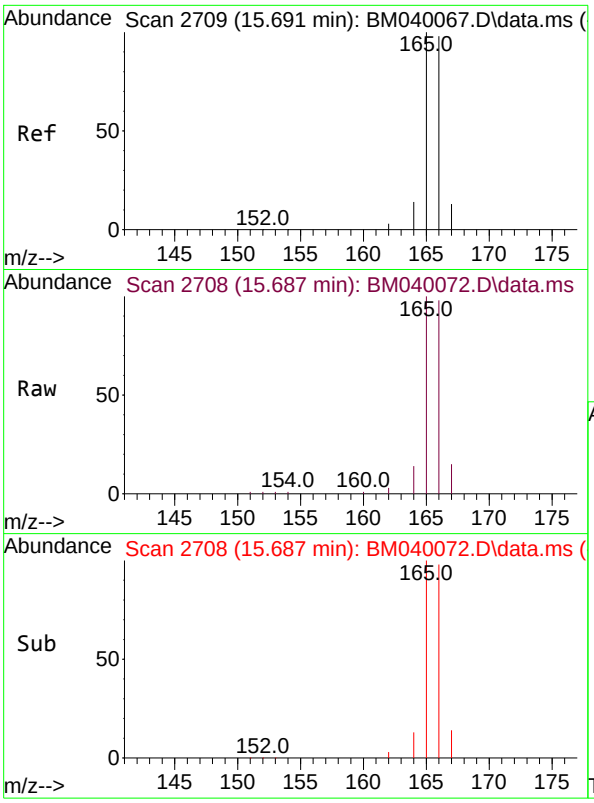




#11
Acenaphthene
Concen: 0.460 ng/ul
RT: 14.707 min Scan# 2496
Delta R.T. -0.000 min
Lab File: BM040072.D
Acq: 31 May 2023 01:19

Tgt Ion:153 Resp: 12792

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 52.0 | 42.0 | 63.0 |
| 154 | 85.5 | 69.4 | 104.2 |



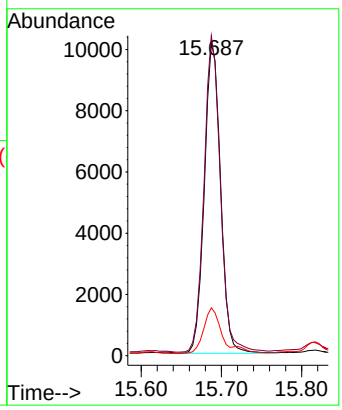


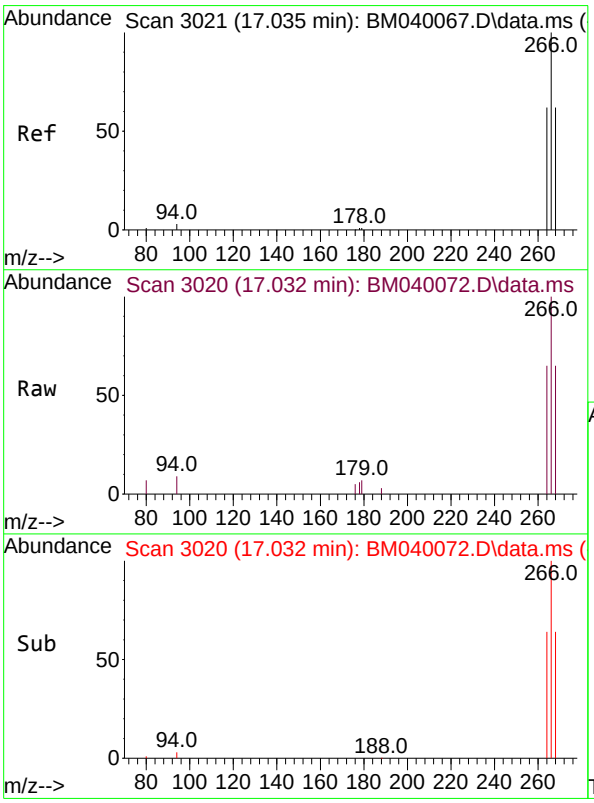

#12
Fluorene
Concen: 0.494 ng/ul
RT: 15.687 min Scan# 2
Delta R.T. -0.005 min
Lab File: BM040072.D
Acq: 31 May 2023 01:19

**Instrument :**
BNA_M
**ClientSampleId :**
H0FQ2MSD

Tgt Ion:166 Resp: 14296

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 102.1 | 79.3 | 118.9 |
| 167 | 15.3 | 10.8 | 16.2 |

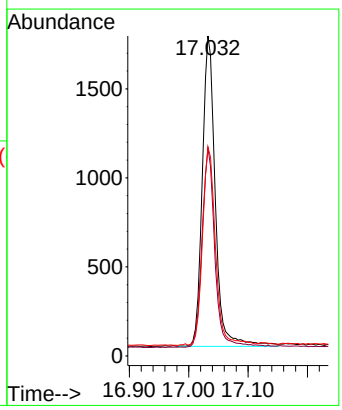


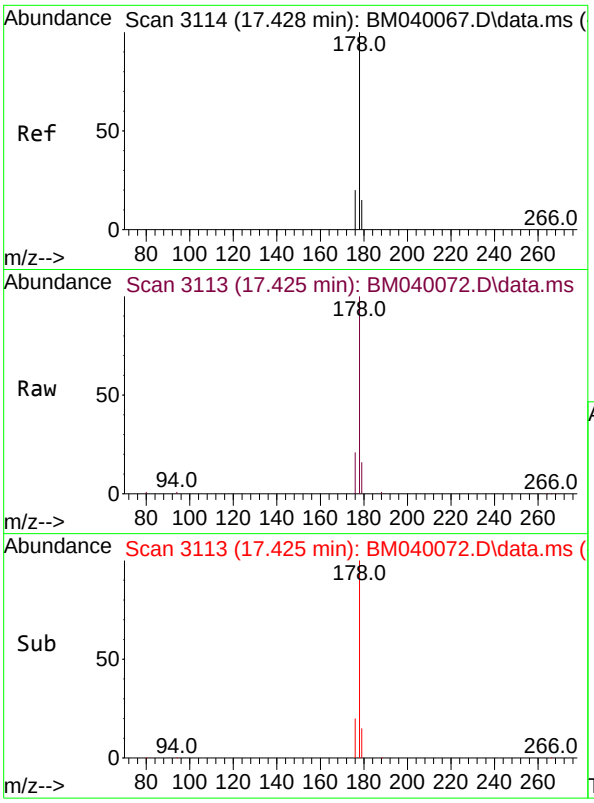




#14
Pentachlorophenol
Concen: 0.865 ng/ul
RT: 17.032 min Scan# 3020
Delta R.T. -0.004 min
Lab File: BM040072.D
Acq: 31 May 2023 01:19

Tgt Ion:266 Resp: 2658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 63.0 | 49.2 | 73.8 |
| 268 | 64.0 | 51.9 | 77.9 |



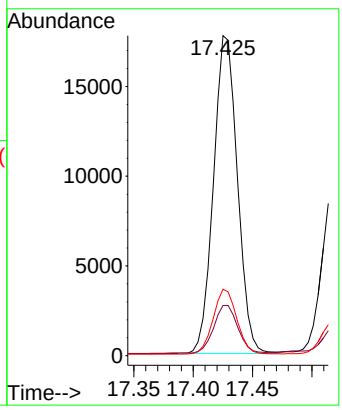


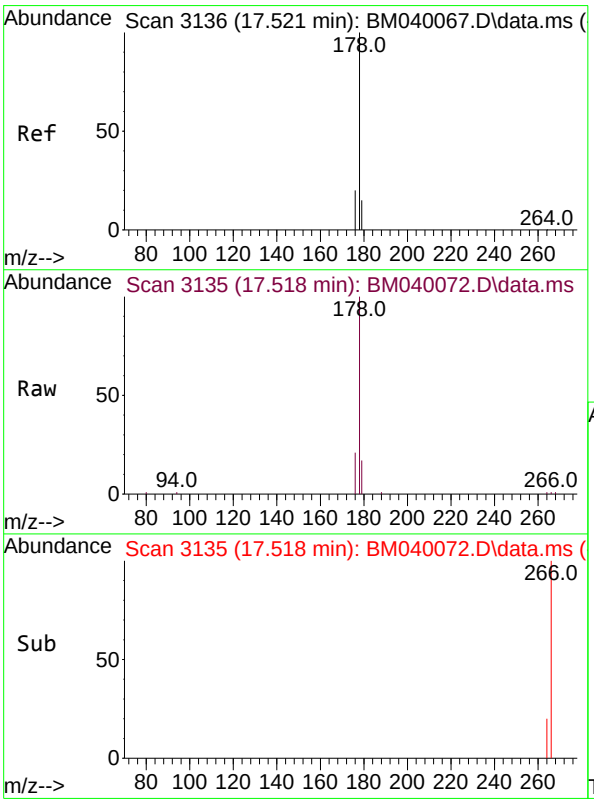

#15
Phenanthrene
Concen: 0.578 ng/ul
RT: 17.425 min Scan# 3
Delta R.T. -0.004 min
Lab File: BM040072.D
Acq: 31 May 2023 01:19

**Instrument :**
BNA_M
**ClientSampleId :**
H0FQ2MSD

Tgt Ion:178 Resp: 24818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.7 | 12.4 | 18.6 |
| 176 | 20.7 | 16.3 | 24.5 |

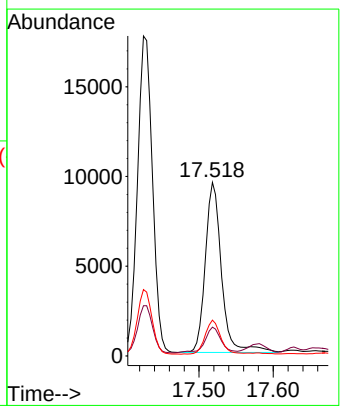


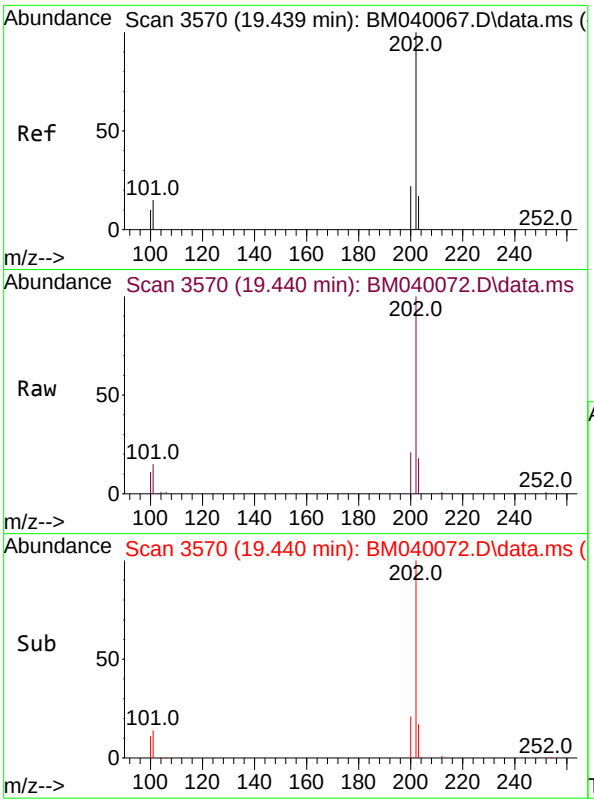




#16
Anthracene
Concen: 0.400 ng/ul
RT: 17.518 min Scan# 3135
Delta R.T. -0.004 min
Lab File: BM040072.D
Acq: 31 May 2023 01:19

Tgt Ion:178 Resp: 14386

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.6 | 12.6 | 19.0 |
| 176 | 20.6 | 15.5 | 23.3 |



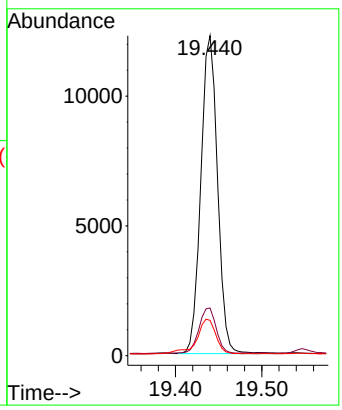


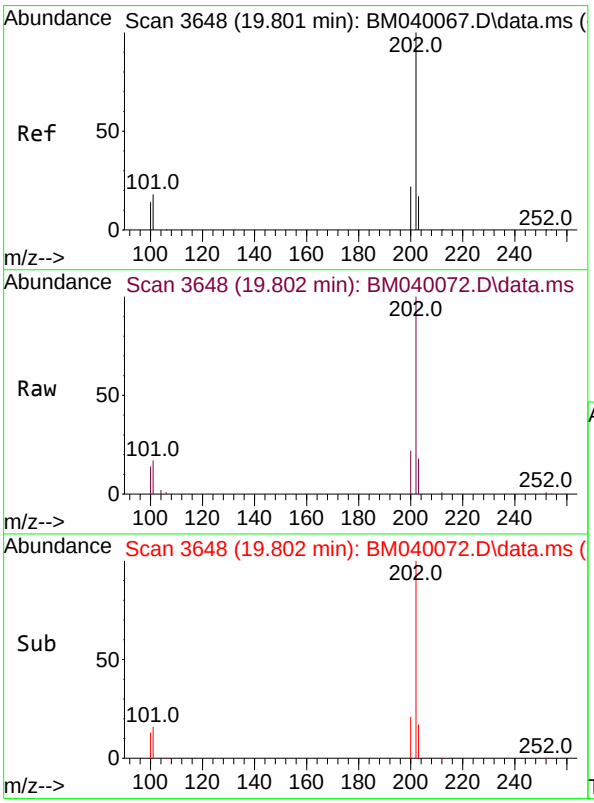

#19
Fluoranthene
Concen: 0.589 ng/ul
RT: 19.440 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM040072.D
Acq: 31 May 2023 01:19

**Instrument :**
BNA_M
**ClientSampleId :**
H0FQ2MSD

Tgt Ion:202 Resp: 16452

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 14.9 | 11.5 | 17.3 |
| 100 | 11.0 | 8.5 | 12.7 |

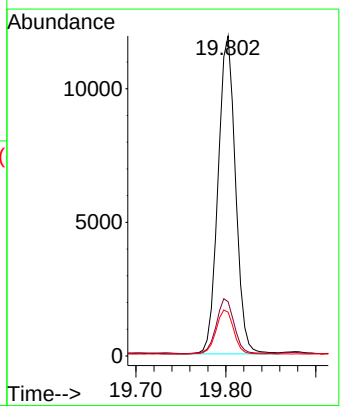


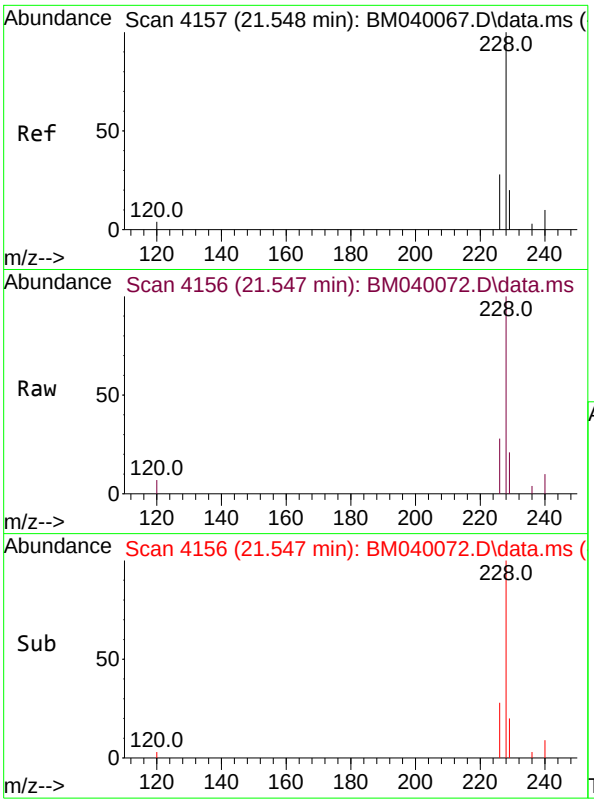




#20
Pyrene
Concen: 0.565 ng/ul
RT: 19.802 min Scan# 3648
Delta R.T. -0.000 min
Lab File: BM040072.D
Acq: 31 May 2023 01:19

Tgt Ion:202 Resp: 15999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 17.0 | 13.3 | 19.9 |
| 100 | 13.7 | 10.9 | 16.3 |



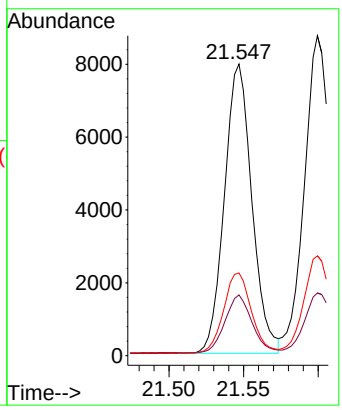


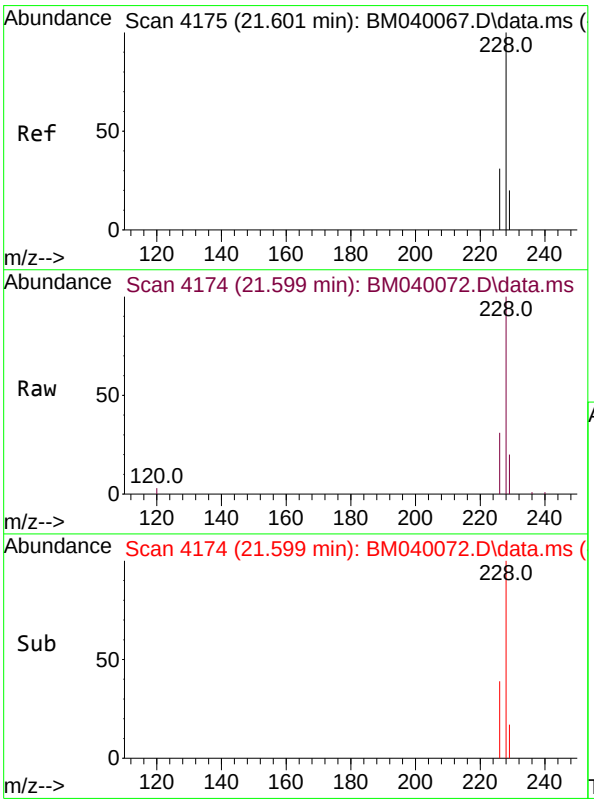

#21
Benzo(a)anthracene
Concen: 0.487 ng/ul
RT: 21.547 min Scan# 41
Delta R.T. -0.003 min
Lab File: BM040072.D
Acq: 31 May 2023 01:19

**Instrument :**
BNA_M
**ClientSampleId :**
H0FQ2MSD

Tgt Ion:228 Resp: 10178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 20.8 | 15.6 | 23.4 |
| 226 | 28.4 | 22.5 | 33.7 |

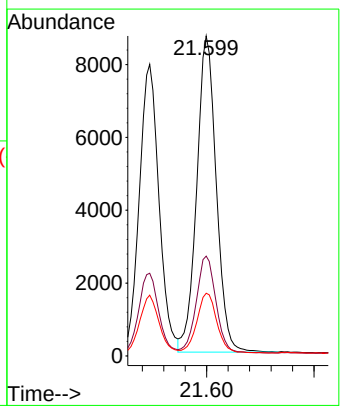


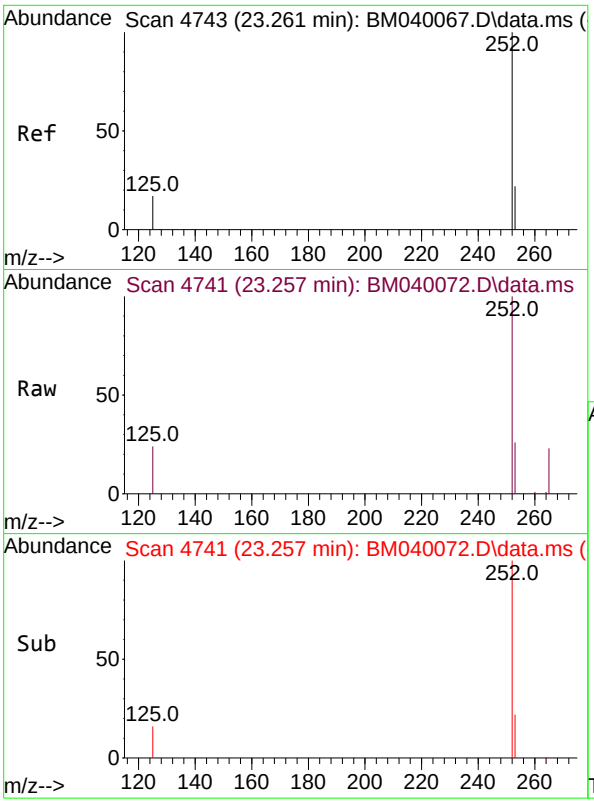




#22
Chrysene
Concen: 0.494 ng/ul
RT: 21.599 min Scan# 4174
Delta R.T. -0.003 min
Lab File: BM040072.D
Acq: 31 May 2023 01:19

Tgt Ion:228 Resp: 10978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.2 | 24.6 | 36.8 |
| 229 | 19.6 | 15.6 | 23.4 |



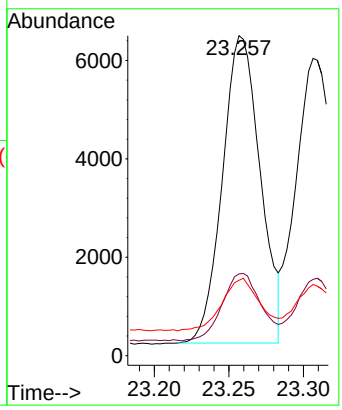


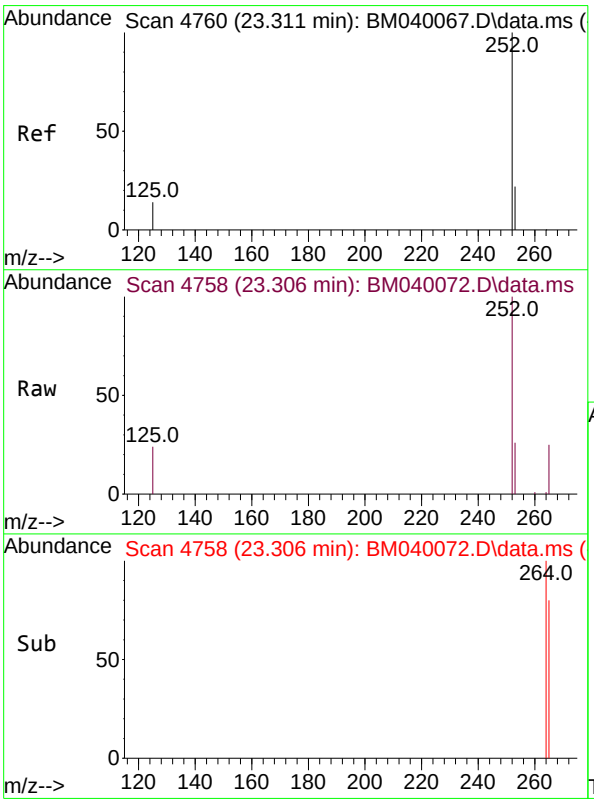

#24
Benzo(b)fluoranthene
Concen: 0.470 ng/ul
RT: 23.257 min Scan# 4
Delta R.T. -0.009 min
Lab File: BM040072.D
Acq: 31 May 2023 01:19

**Instrument :**
BNA_M
**ClientSampleId :**
H0FQ2MSD

Tgt Ion:252 Resp: 11027

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.5 | 0.0 | 49.8 |
| 125 | 23.5 | 0.0 | 39.2 |

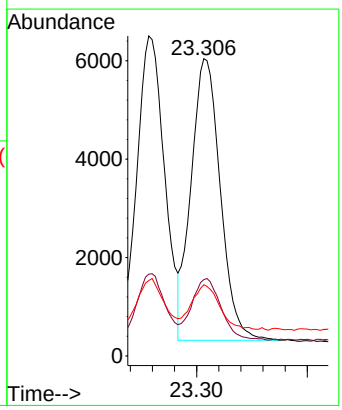


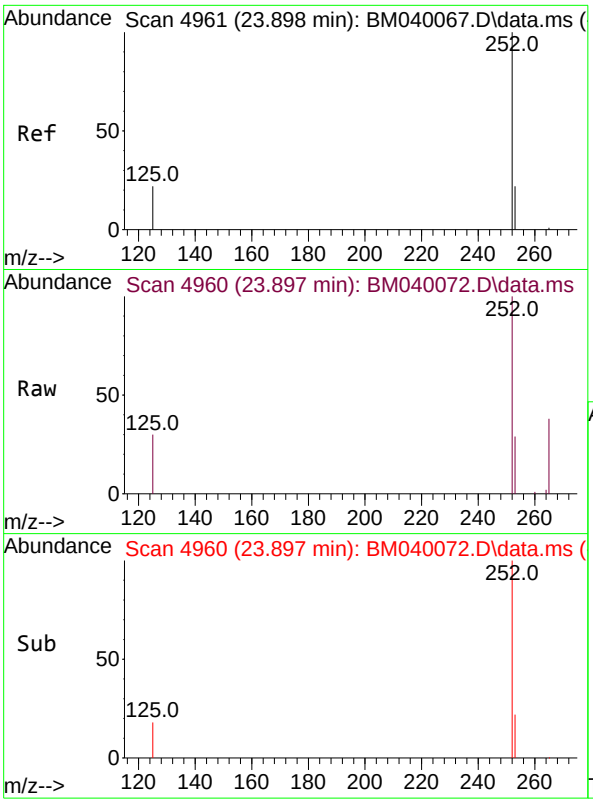




#25
Benzo(k)fluoranthene
Concen: 0.445 ng/ul
RT: 23.306 min Scan# 4758
Delta R.T. -0.006 min
Lab File: BM040072.D
Acq: 31 May 2023 01:19

Tgt Ion:252 Resp: 10519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.7 | 19.7 | 29.5 |
| 125 | 24.0 | 15.0 | 22.4# |



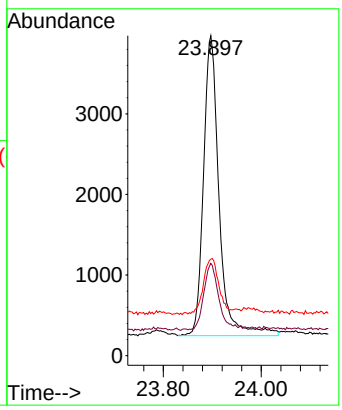


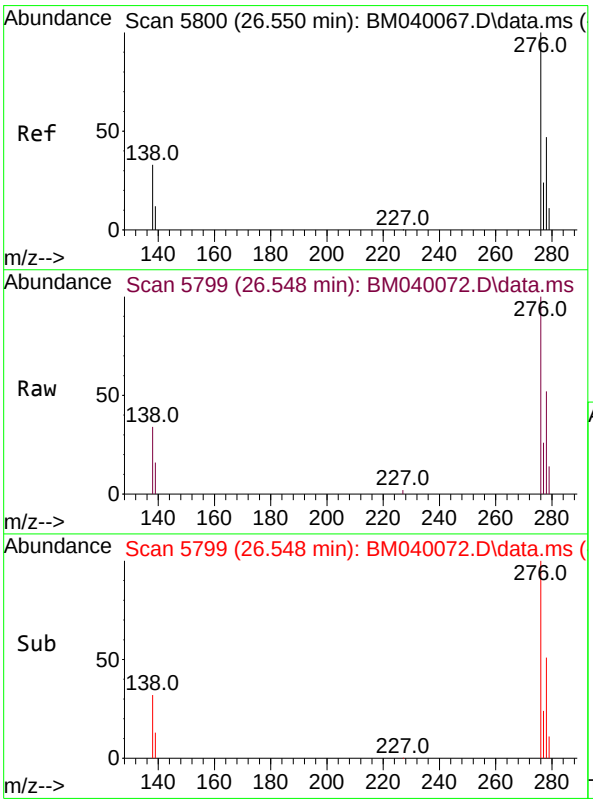

#26
Benzo(a)pyrene
Concen: 0.418 ng/ul
RT: 23.897 min Scan# 4
Delta R.T. -0.006 min
Lab File: BM040072.D
Acq: 31 May 2023 01:19

**Instrument :**
BNA_M
**ClientSampleId :**
H0FQ2MSD

Tgt Ion:252 Resp: 8194

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 28.8 | 20.6 | 31.0 |
| 125 | 30.2 | 19.1 | 28.7# |

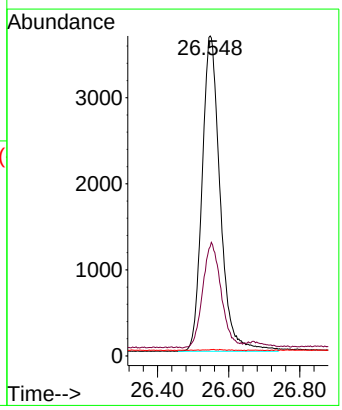


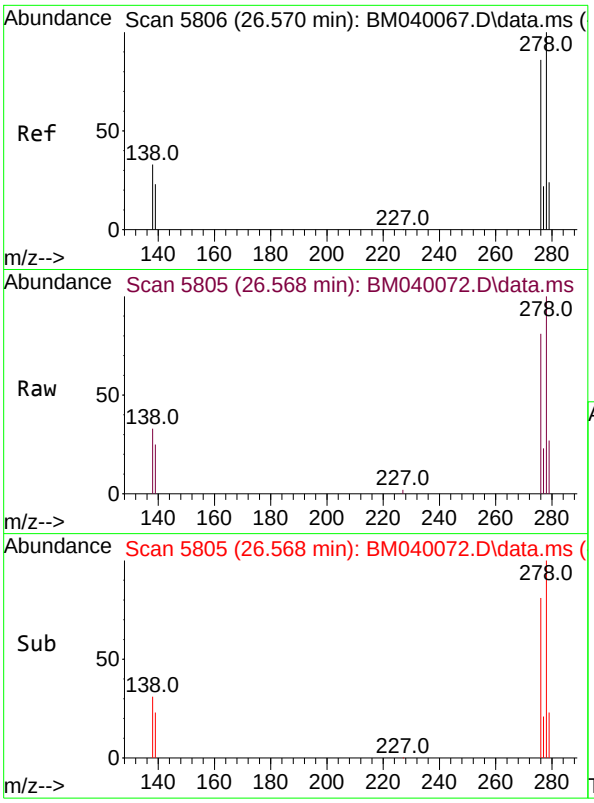




#27
Indeno(1,2,3-cd)pyrene
Concen: 0.459 ng/ul
RT: 26.548 min Scan# 5799
Delta R.T. -0.010 min
Lab File: BM040072.D
Acq: 31 May 2023 01:19

Tgt Ion:276 Resp: 12948

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 34.7 | 26.9 | 40.3 |
| 227 | 0.1 | 0.1 | 0.1# |



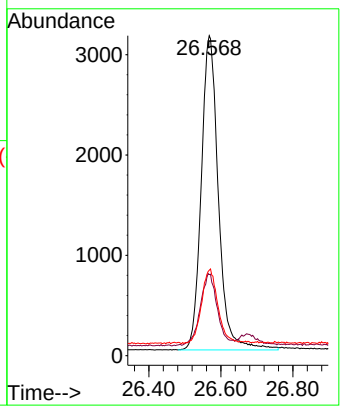


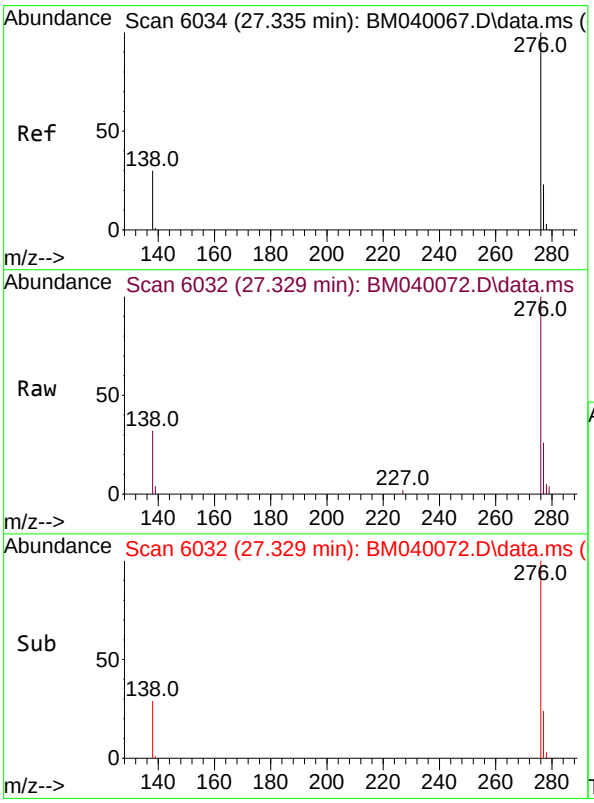

#28
Dibenzo(a,h)anthracene
Concen: 0.453 ng/ul
RT: 26.568 min Scan# 5
Delta R.T. -0.010 min
Lab File: BM040072.D
Acq: 31 May 2023 01:19

**Instrument :**
BNA_M
**ClientSampleId :**
H0FQ2MSD

Tgt Ion:278 Resp: 10335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 25.4 | 19.0 | 28.4 |
| 279 | 26.7 | 20.6 | 31.0 |




#29
Benzo(g,h,i)perylene
Concen: 0.472 ng/ul
RT: 27.329 min Scan# 6032
Delta R.T. -0.007 min
Lab File: BM040072.D
Acq: 31 May 2023 01:19

Tgt Ion:276 Resp: 10936

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 31.7 | 23.9 | 35.9 |
| 277 | 25.6 | 19.5 | 29.3 |