Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122422\
Data File : BNCCC428.D
Acq On : 25 Dec 2022 01:37
Operator : CG/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 55 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**

Quant Time: Dec 25 04:23:05 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN122122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 22 02:28:40 2022
Response via : Initial Calibration

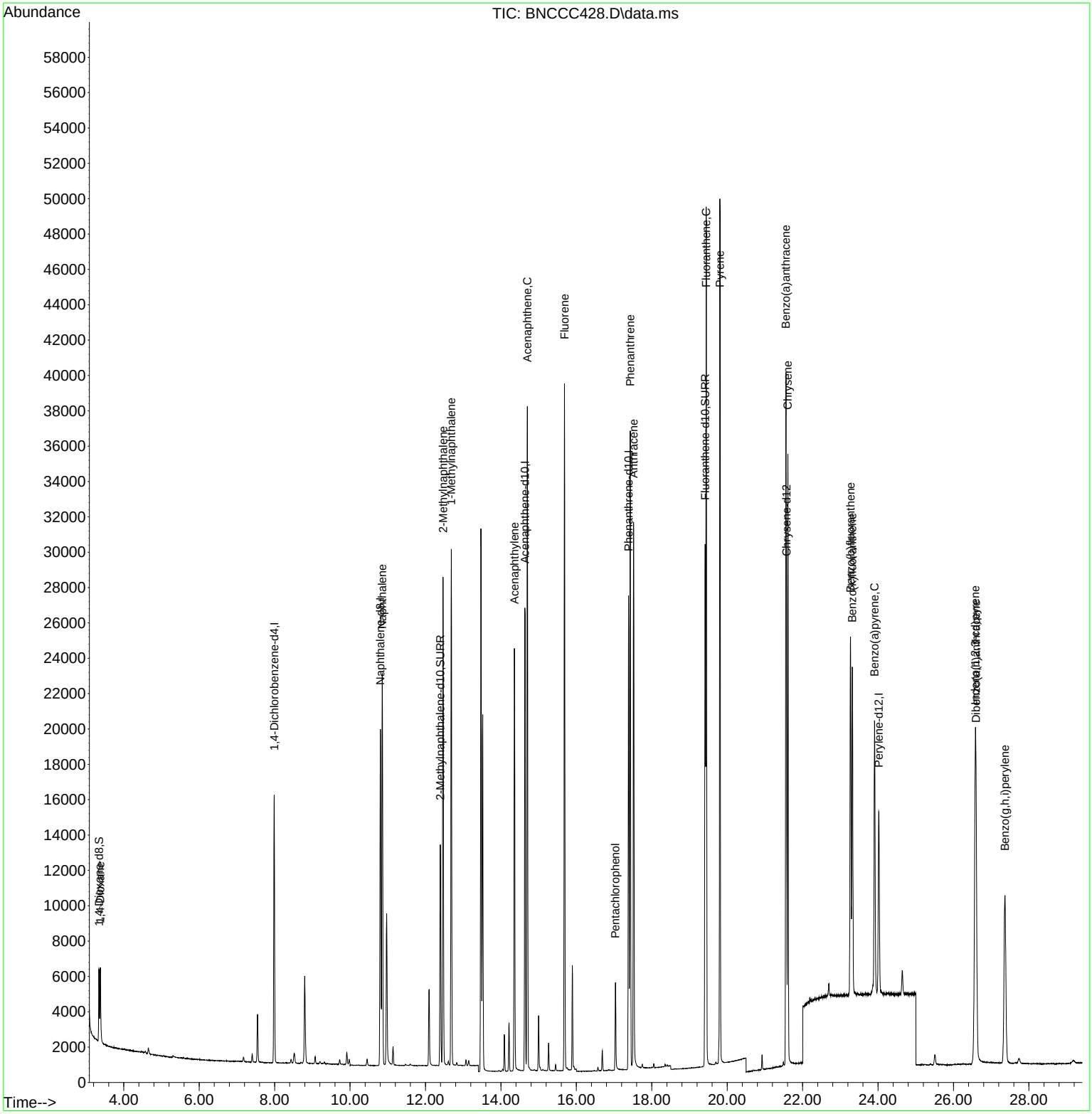
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.990 | 152 | 7503 | 0.400 | ng/ul | 0.00 |
| 4) Naphthalene-d8 | 10.804 | 136 | 24879 | 0.400 | ng/ul | -0.01 |
| 9) Acenaphthene-d10 | 14.636 | 164 | 14026 | 0.400 | ng/ul | 0.00 |
| 13) Phenanthrene-d10 | 17.386 | 188 | 29857 | 0.400 | ng/ul | 0.00 |
| 17) Chrysene-d12 | 21.572 | 240 | 18008 | 0.400 | ng/ul | 0.00 |
| 23) Perylene-d12 | 24.019 | 264 | 14513 | 0.400 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.345 | 96 | 2822 | 0.346 | ng/ul | 0.00 |
| 6) 2-Methylnaphthalene-d10 | 12.394 | 152 | 15514 | 0.403 | ng/ul | -0.01 |
| 18) Fluoranthene-d10 | 19.416 | 212 | 30846 | 0.474 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.378 | 88 | 2917 | 0.350 | ng/ul# | 92 |
| 5) Naphthalene | 10.854 | 128 | 28982 | 0.397 | ng/ul | 100 |
| 7) 2-Methylnaphthalene | 12.465 | 142 | 18584 | 0.398 | ng/ul | 100 |
| 8) 1-Methylnaphthalene | 12.685 | 142 | 19129 | 0.398 | ng/ul | 100 |
| 10) Acenaphthylene | 14.358 | 152 | 26341 | 0.424 | ng/ul | 99 |
| 11) Acenaphthene | 14.701 | 153 | 20810 | 0.397 | ng/ul | 98 |
| 12) Fluorene | 15.686 | 166 | 23144 | 0.393 | ng/ul | 99 |
| 14) Pentachlorophenol | 17.036 | 266 | 3360 | 0.406 | ng/ul | 99 |
| 15) Phenanthrene | 17.428 | 178 | 37441 | 0.385 | ng/ul | 100 |
| 16) Anthracene | 17.517 | 178 | 33186 | 0.411 | ng/ul | 99 |
| 19) Fluoranthene | 19.443 | 202 | 40147 | 0.460 | ng/ul | 100 |
| 20) Pyrene | 19.806 | 202 | 40127 | 0.456 | ng/ul | 99 |
| 21) Benzo(a)anthracene | 21.557 | 228 | 30238 | 0.431 | ng/ul | 99 |
| 22) Chrysene | 21.610 | 228 | 28932 | 0.406 | ng/ul | 100 |
| 24) Benzo(b)fluoranthene | 23.270 | 252 | 25895 | 0.345 | ng/ul | 96 |
| 25) Benzo(k)fluoranthene | 23.317 | 252 | 24923 | 0.354 | ng/ul | 98 |
| 26) Benzo(a)pyrene | 23.908 | 252 | 21757 | 0.366 | ng/ul# | 90 |
| 27) Indeno(1,2,3-cd)pyrene | 26.577 | 276 | 26541 | 0.383 | ng/ul# | 99 |
| 28) Dibenzo(a,h)anthracene | 26.597 | 278 | 20927 | 0.389 | ng/ul | 98 |
| 29) Benzo(g,h,i)perylene | 27.365 | 276 | 21794 | 0.385 | ng/ul | 98 |

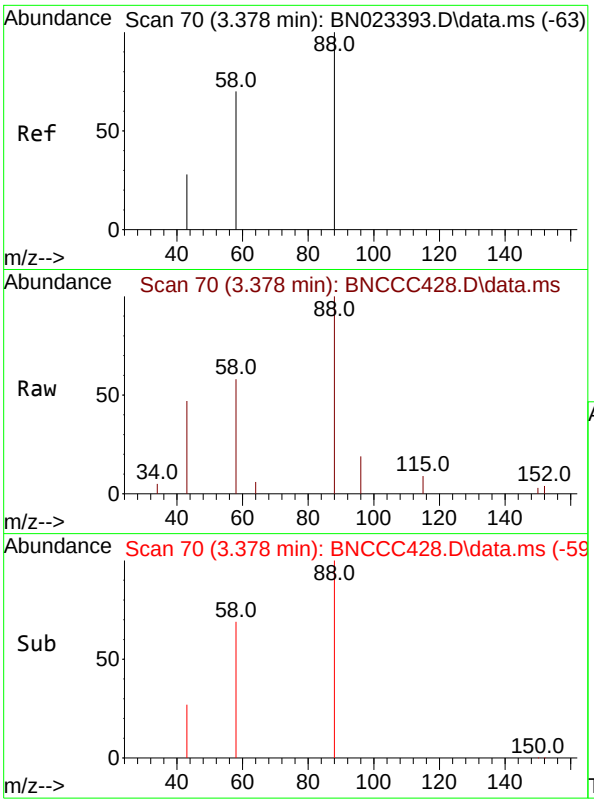
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122422\
Data File : BNCCC428.D
Acq On : 25 Dec 2022 01:37
Operator : CG/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 55 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**

Quant Time: Dec 25 04:23:05 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN122122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 22 02:28:40 2022
Response via : Initial Calibration



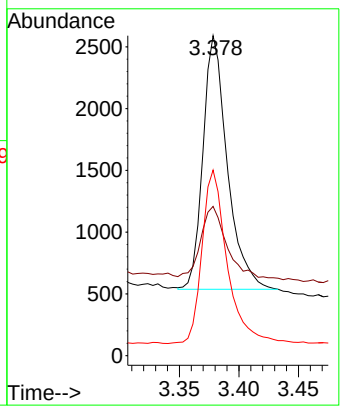


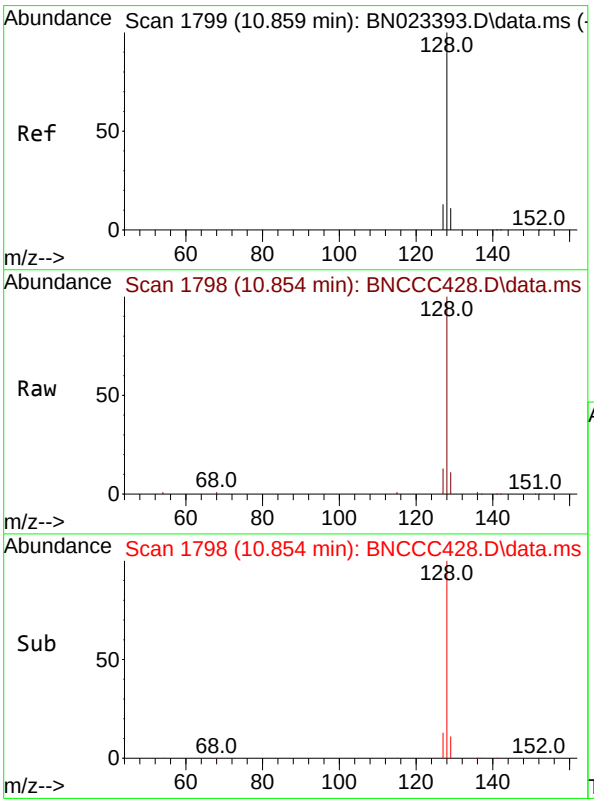

#2
1,4-Dioxane
Concen: 0.350 ng/ul
RT: 3.378 min Scan# 7
Delta R.T. -0.004 min
Lab File: BNCCC428.D
Acq: 25 Dec 2022 01:37

**Instrument :**
BNA_N
**ClientSampleId :**

Tgt Ion: 88 Resp: 2917

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 46.6 | 28.4 | 42.6# |
| 58 | 58.0 | 45.6 | 68.4 |

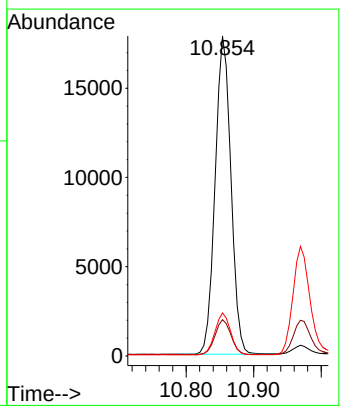


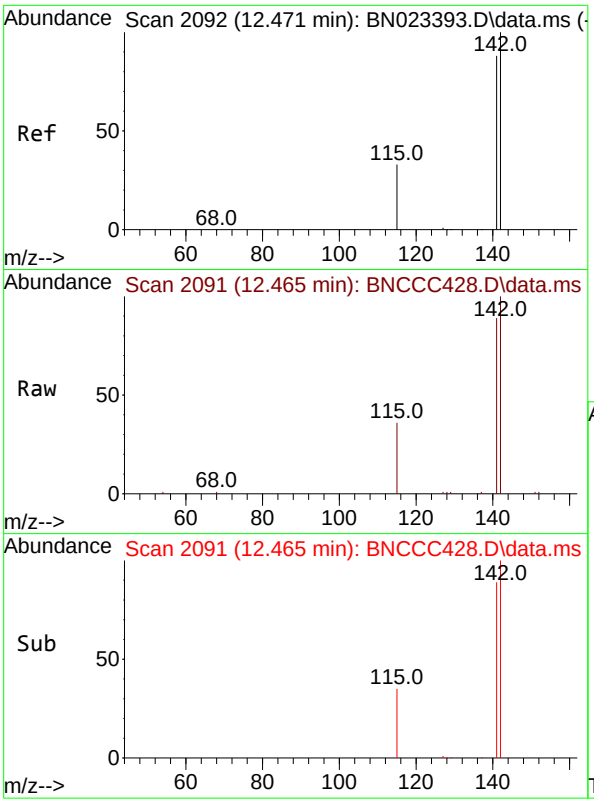




#5
Naphthalene
Concen: 0.397 ng/ul
RT: 10.854 min Scan# 1798
Delta R.T. -0.011 min
Lab File: BNCCC428.D
Acq: 25 Dec 2022 01:37

Tgt Ion:128 Resp: 28982

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.4 | 9.0 | 13.4 |
| 127 | 13.4 | 10.7 | 16.1 |



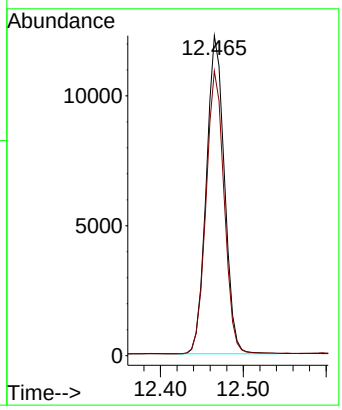


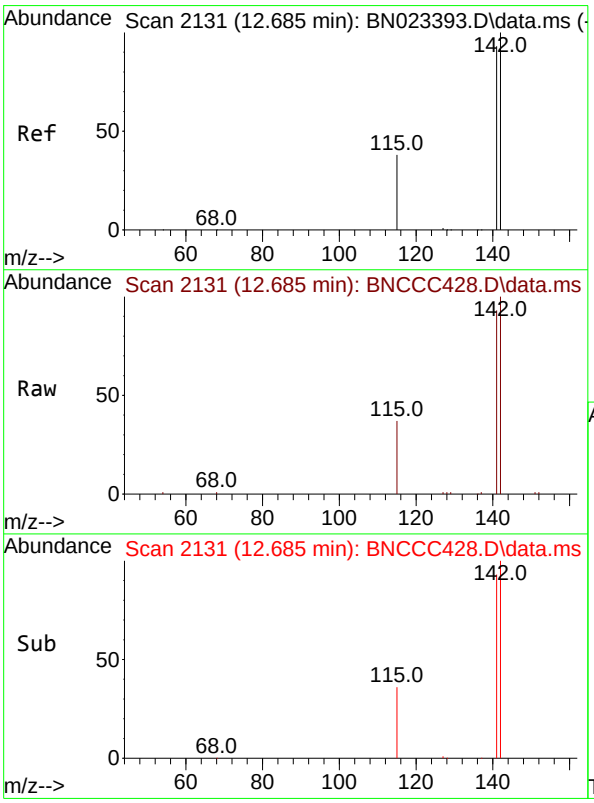

#7
2-Methylnaphthalene
Concen: 0.398 ng/ul
RT: 12.465 min Scan# 2
Delta R.T. -0.011 min
Lab File: BNCCC428.D
Acq: 25 Dec 2022 01:37

**Instrument :**
BNA_N
**ClientSampleId :**

Tgt Ion:142 Resp: 18584

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.1 | 71.4 | 107.2 |

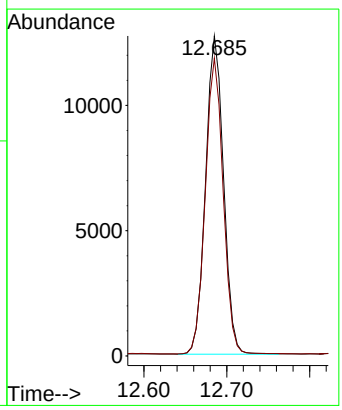


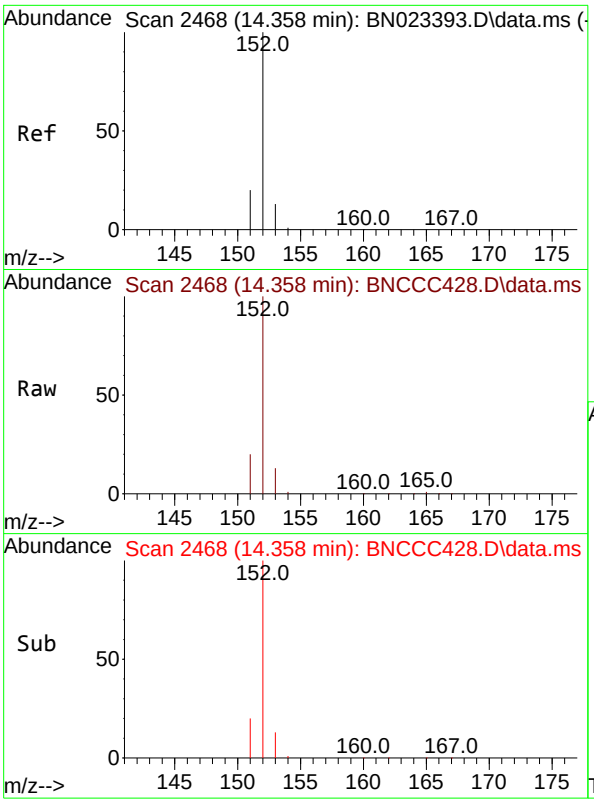




#8
1-Methylnaphthalene
Concen: 0.398 ng/ul
RT: 12.685 min Scan# 2131
Delta R.T. -0.011 min
Lab File: BNCCC428.D
Acq: 25 Dec 2022 01:37

Tgt Ion:142 Resp: 19129

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.2 | 74.0 | 111.0 |



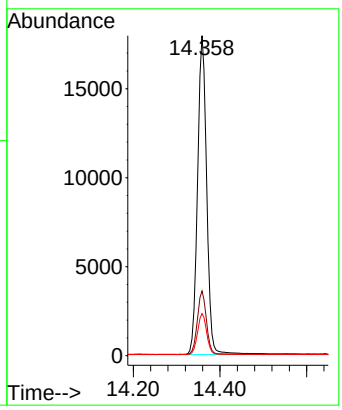


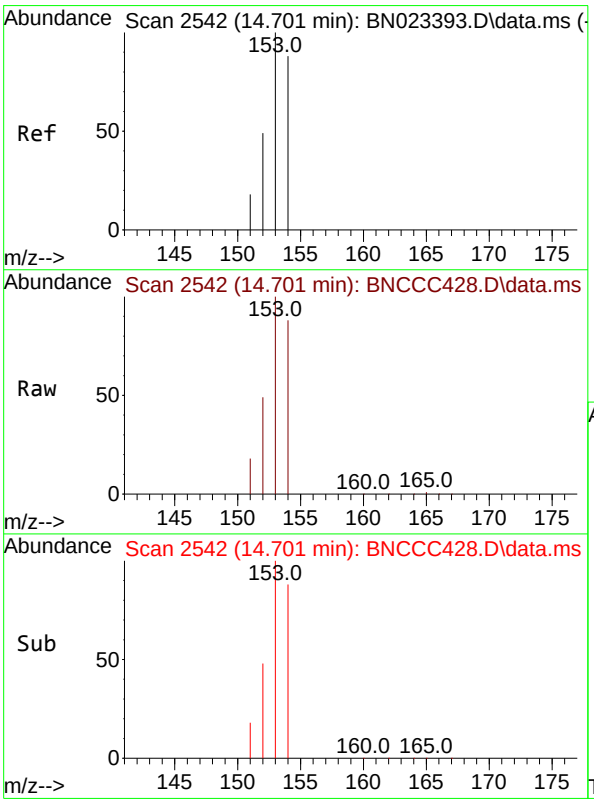

#10
Acenaphthylene
Concen: 0.424 ng/ul
RT: 14.358 min Scan# 24
Delta R.T. -0.010 min
Lab File: BNCCC428.D
Acq: 25 Dec 2022 01:37

**Instrument :**
BNA_N
**ClientSampleId :**

Tgt Ion:152 Resp: 26341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.2 | 16.1 | 24.1 |
| 153 | 13.1 | 10.9 | 16.3 |

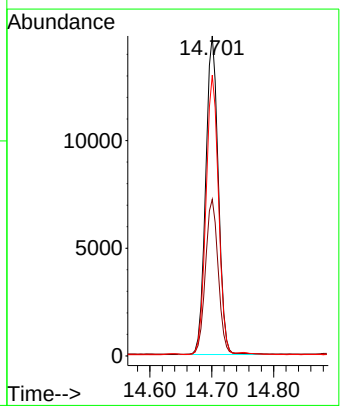


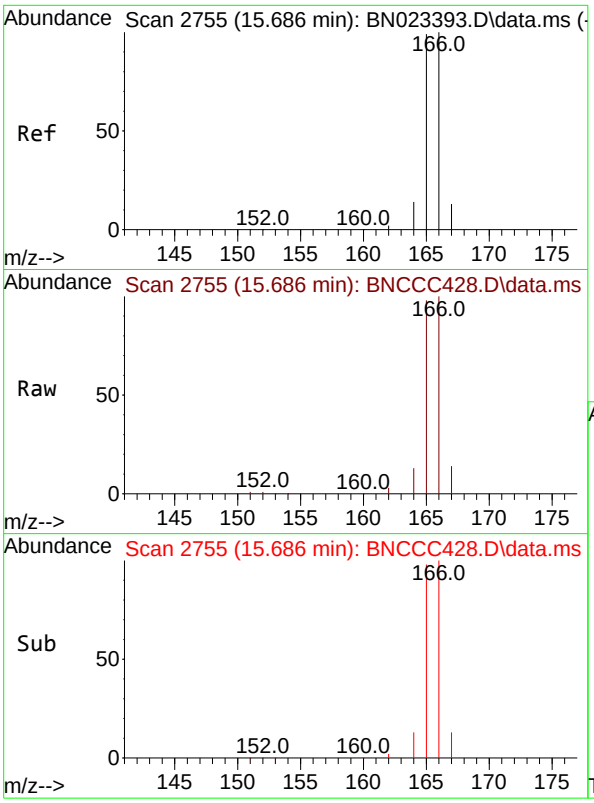




#11
Acenaphthene
Concen: 0.397 ng/ul
RT: 14.701 min Scan# 2542
Delta R.T. -0.005 min
Lab File: BNCCC428.D
Acq: 25 Dec 2022 01:37

Tgt Ion:153 Resp: 20810

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 48.9 | 41.0 | 61.4 |
| 154 | 87.8 | 69.5 | 104.3 |



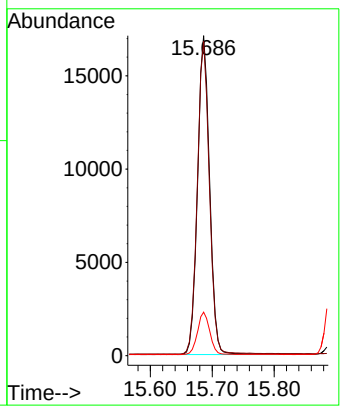


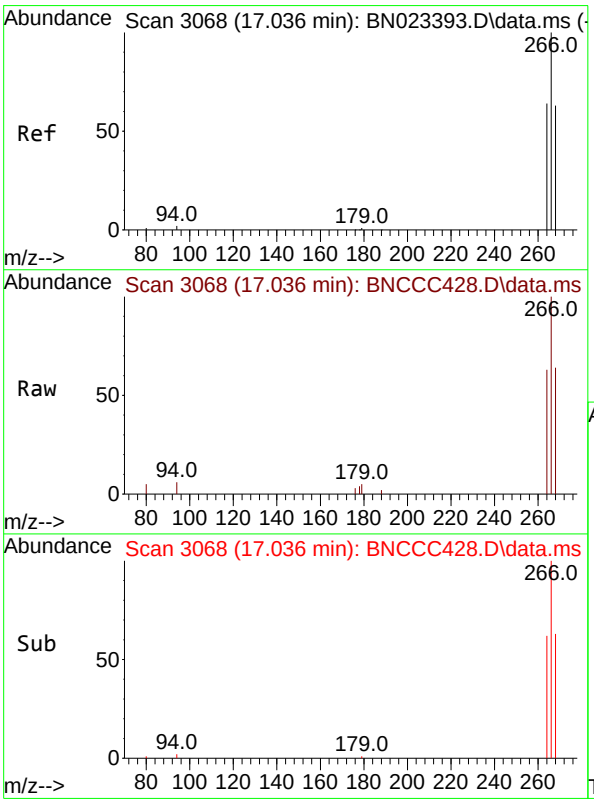

#12
Fluorene
Concen: 0.393 ng/ul
RT: 15.686 min Scan# 2
Delta R.T. -0.005 min
Lab File: BNCCC428.D
Acq: 25 Dec 2022 01:37

**Instrument :**
BNA_N
**ClientSampleId :**

Tgt Ion:166 Resp: 23144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.2 | 79.1 | 118.7 |
| 167 | 13.6 | 11.0 | 16.4 |

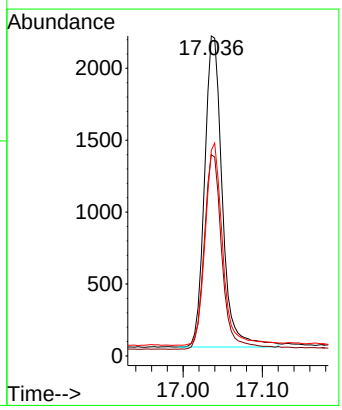


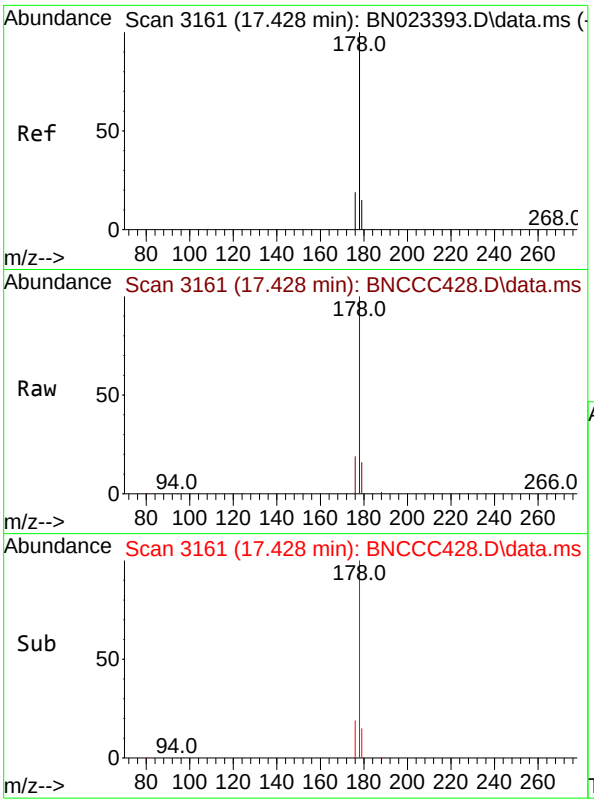




#14
Pentachlorophenol
Concen: 0.406 ng/ul
RT: 17.036 min Scan# 3068
Delta R.T. -0.005 min
Lab File: BNCCC428.D
Acq: 25 Dec 2022 01:37

Tgt Ion:266 Resp: 3360

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 62.6 | 49.8 | 74.6 |
| 268 | 63.7 | 51.4 | 77.0 |



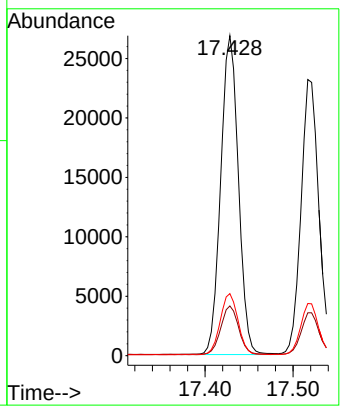


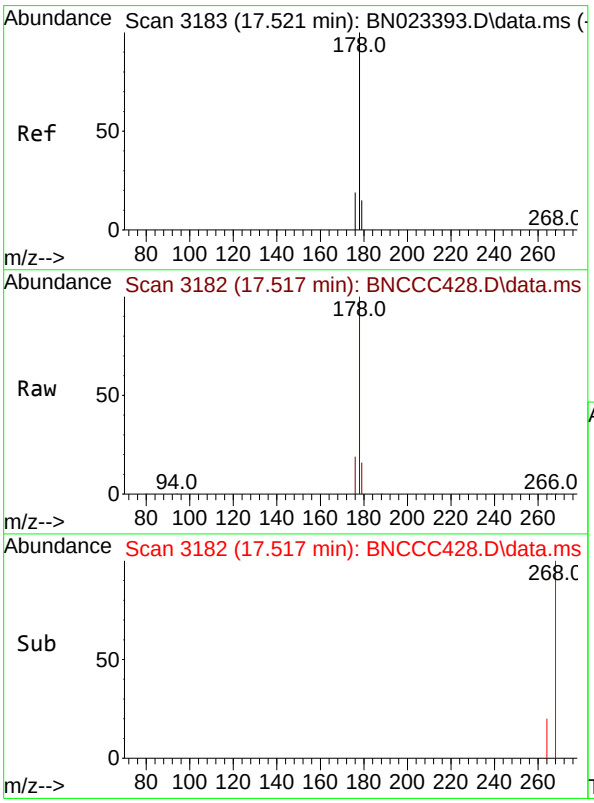

#15
Phenanthrene
Concen: 0.385 ng/ul
RT: 17.428 min Scan# 3
Delta R.T. -0.005 min
Lab File: BNCCC428.D
Acq: 25 Dec 2022 01:37

**Instrument :**
BNA_N
**ClientSampleId :**

Tgt Ion:178 Resp: 37441

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.5 | 12.5 | 18.7 |
| 176 | 19.4 | 15.7 | 23.5 |

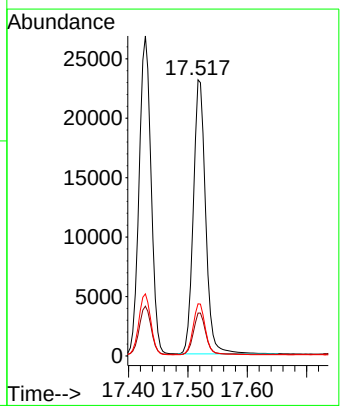


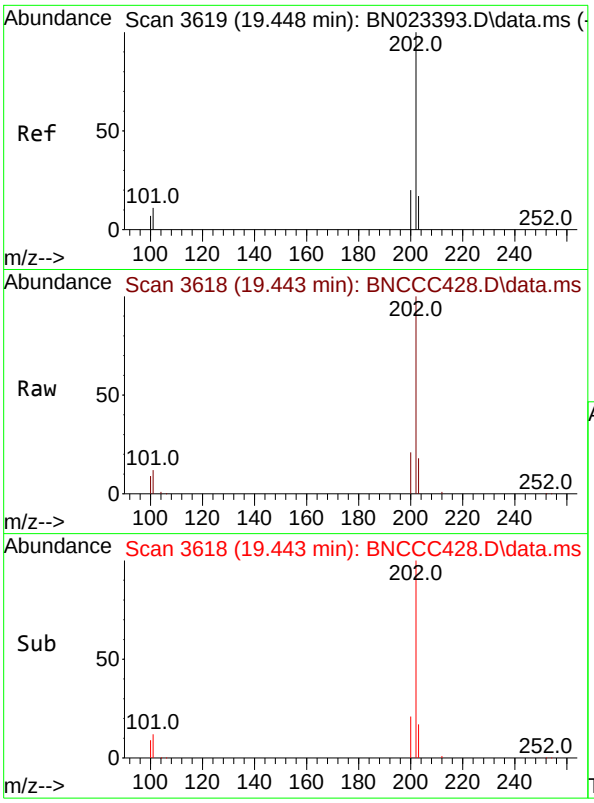




#16
Anthracene
Concen: 0.411 ng/ul
RT: 17.517 min Scan# 3182
Delta R.T. -0.009 min
Lab File: BNCCC428.D
Acq: 25 Dec 2022 01:37

Tgt Ion:178 Resp: 33186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.5 | 12.6 | 18.8 |
| 176 | 18.9 | 15.4 | 23.0 |



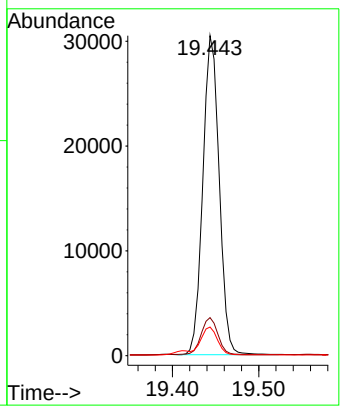


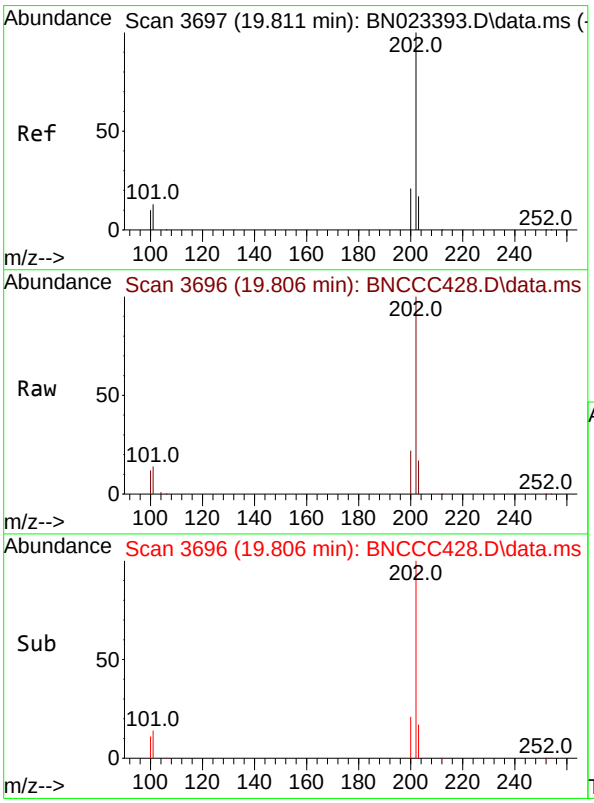

#19
Fluoranthene
Concen: 0.460 ng/ul
RT: 19.443 min Scan# 3
Delta R.T. -0.005 min
Lab File: BNCCC428.D
Acq: 25 Dec 2022 01:37

**Instrument :**
BNA_N
**ClientSampleId :**

Tgt Ion:202 Resp: 40147

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.9 | 9.4 | 14.2 |
| 100 | 9.0 | 7.0 | 10.6 |

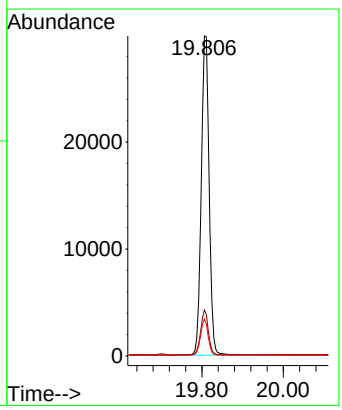


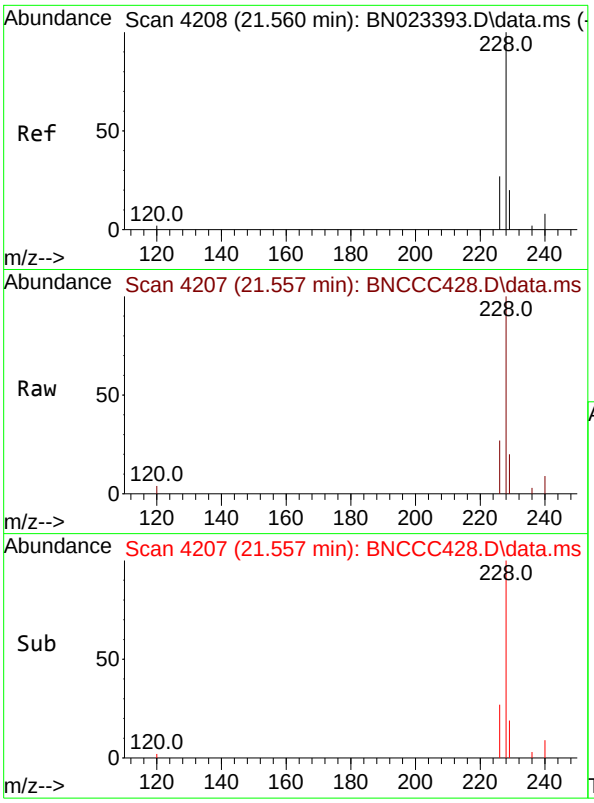




#20
Pyrene
Concen: 0.456 ng/ul
RT: 19.806 min Scan# 3696
Delta R.T. -0.005 min
Lab File: BNCCC428.D
Acq: 25 Dec 2022 01:37

Tgt Ion:202 Resp: 40127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 14.4 | 11.3 | 16.9 |
| 100 | 11.6 | 9.0 | 13.4 |



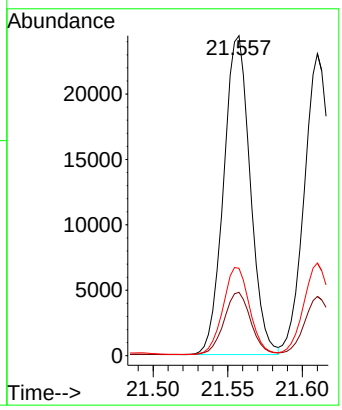


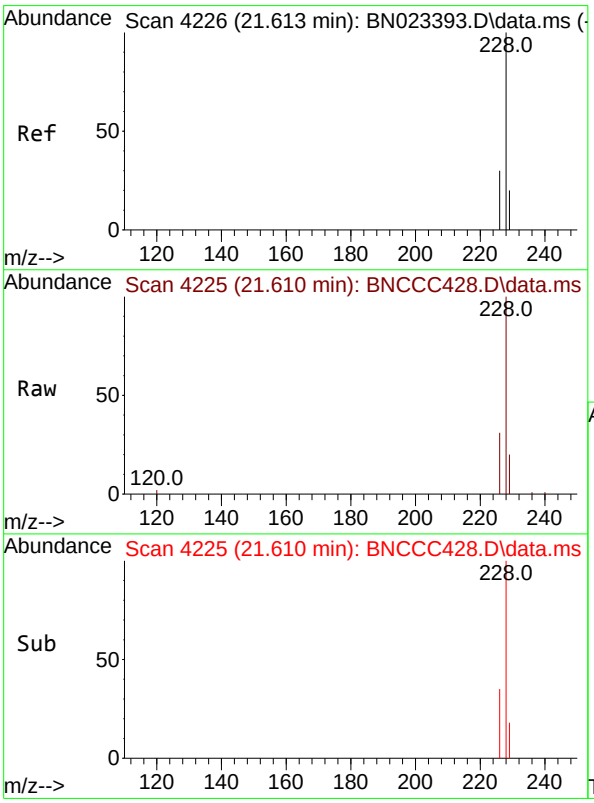

#21
Benzo(a)anthracene
Concen: 0.431 ng/ul
RT: 21.557 min Scan# 4
Delta R.T. -0.004 min
Lab File: BNCCC428.D
Acq: 25 Dec 2022 01:37

**Instrument :**
BNA_N
**ClientSampleId :**

Tgt Ion:228 Resp: 30238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 19.8 | 15.6 | 23.4 |
| 226 | 27.3 | 22.2 | 33.2 |

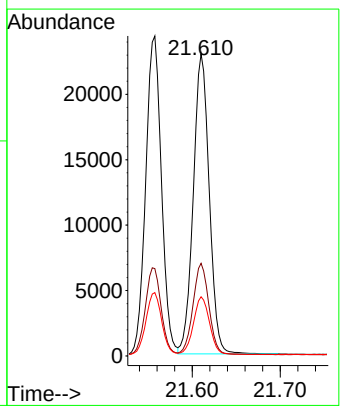


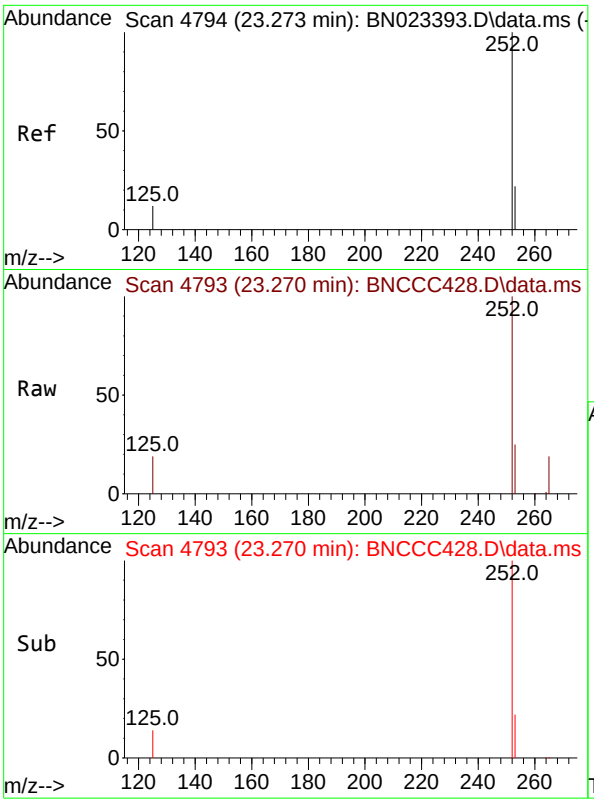




#22
Chrysene
Concen: 0.406 ng/ul
RT: 21.610 min Scan# 4225
Delta R.T. -0.007 min
Lab File: BNCCC428.D
Acq: 25 Dec 2022 01:37

Tgt Ion:228 Resp: 28932

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.7 | 24.3 | 36.5 |
| 229 | 19.6 | 15.8 | 23.6 |



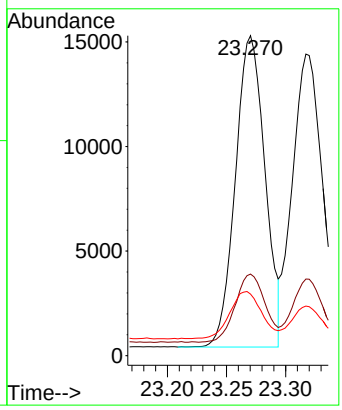


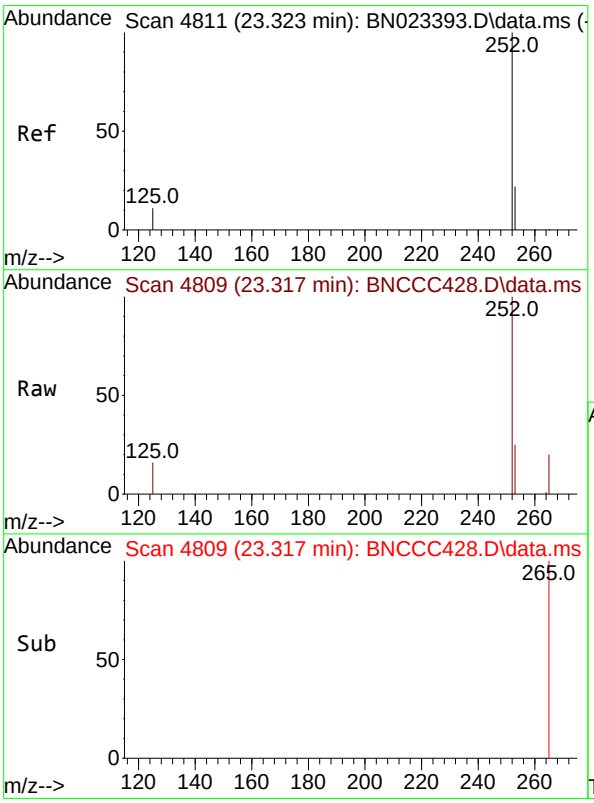

#24
Benzo(b)fluoranthene
Concen: 0.345 ng/ul
RT: 23.270 min Scan# 4
Delta R.T. -0.004 min
Lab File: BNCCC428.D
Acq: 25 Dec 2022 01:37

**Instrument :**
BNA_N
**ClientSampleId :**

Tgt Ion:252 Resp: 25895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.5 | 0.0 | 49.2 |
| 125 | 19.2 | 0.0 | 31.8 |

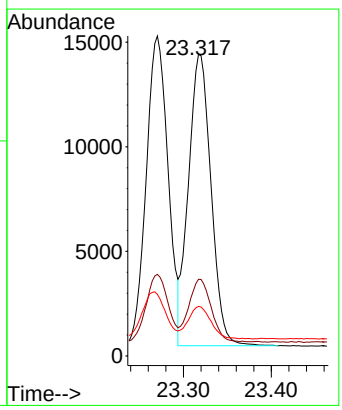


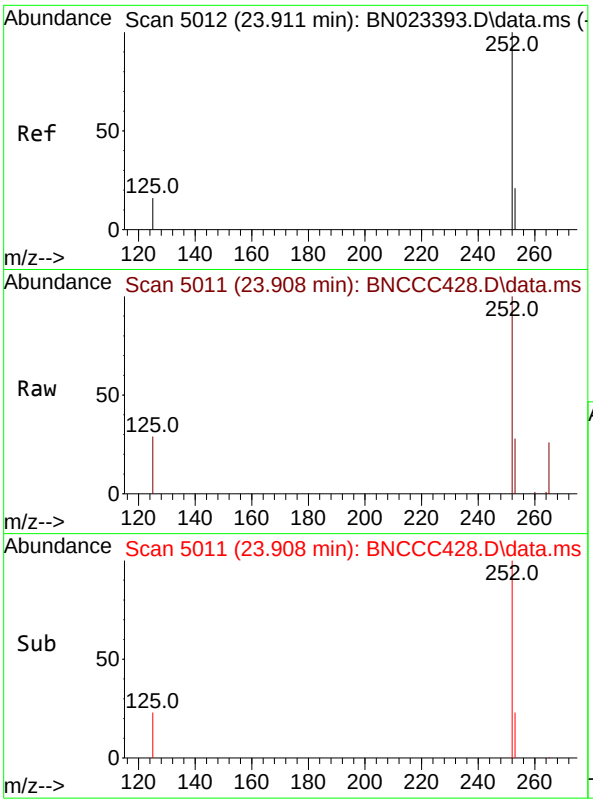




#25
Benzo(k)fluoranthene
Concen: 0.354 ng/ul
RT: 23.317 min Scan# 4809
Delta R.T. -0.007 min
Lab File: BNCCC428.D
Acq: 25 Dec 2022 01:37

Tgt Ion:252 Resp: 24923

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.4 | 19.8 | 29.6 |
| 125 | 16.5 | 12.6 | 18.8 |



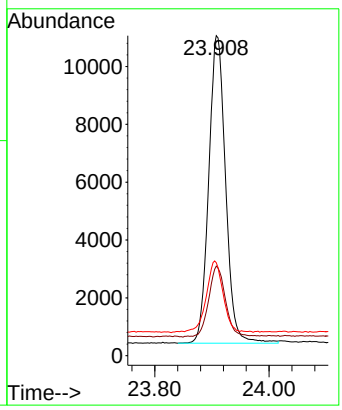


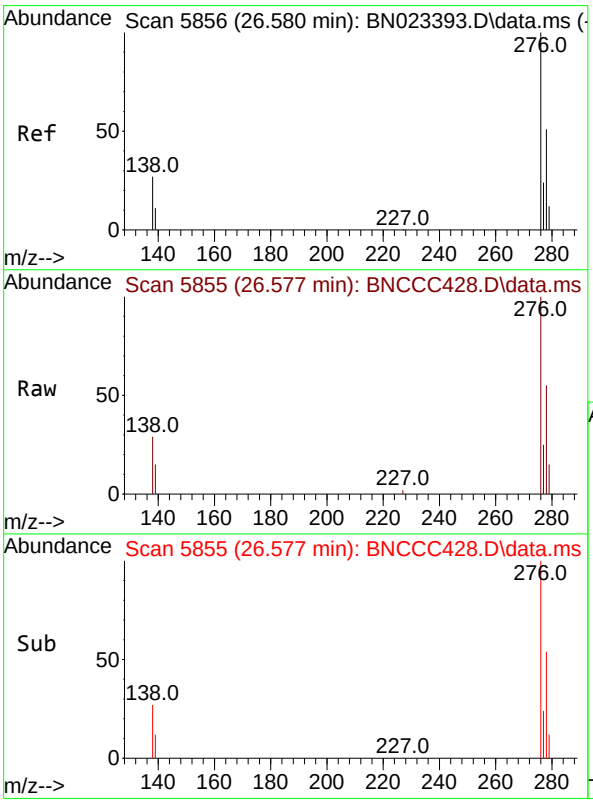

#26
Benzo(a)pyrene
Concen: 0.366 ng/ul
RT: 23.908 min Scan# 5
Delta R.T. -0.007 min
Lab File: BNCCC428.D
Acq: 25 Dec 2022 01:37

**Instrument :**
BNA_N
**ClientSampleId :**

Tgt Ion:252 Resp: 21757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 28.0 | 21.4 | 32.2 |
| 125 | 29.1 | 16.2 | 24.4# |

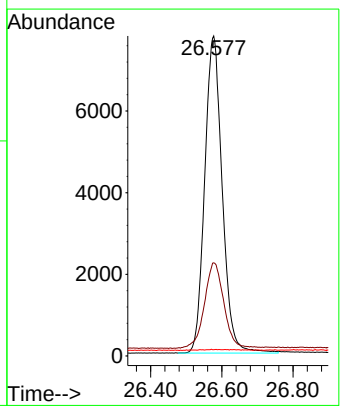


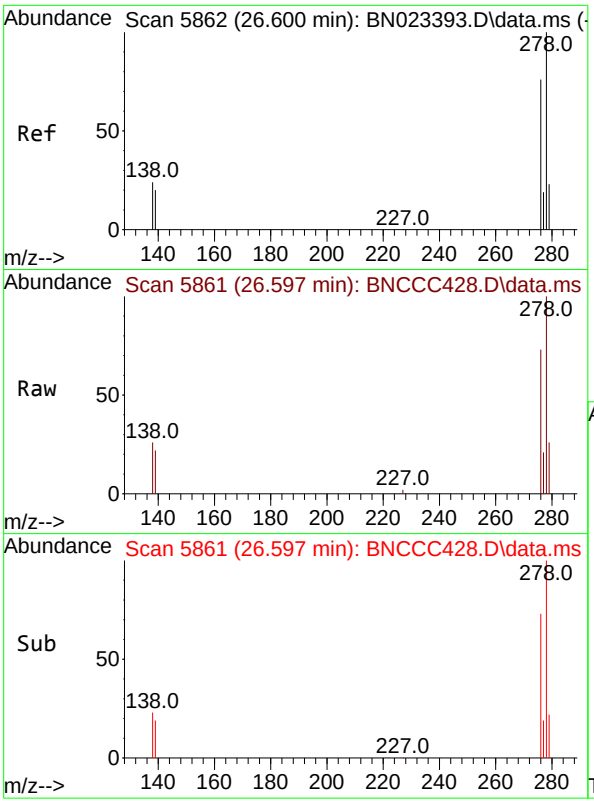




#27
Indeno(1,2,3-cd)pyrene
Concen: 0.383 ng/ul
RT: 26.577 min Scan# 5855
Delta R.T. -0.001 min
Lab File: BNCCC428.D
Acq: 25 Dec 2022 01:37

Tgt Ion:276 Resp: 26541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 30.1 | 23.4 | 35.2 |
| 227 | 0.1 | 0.0 | 0.0# |



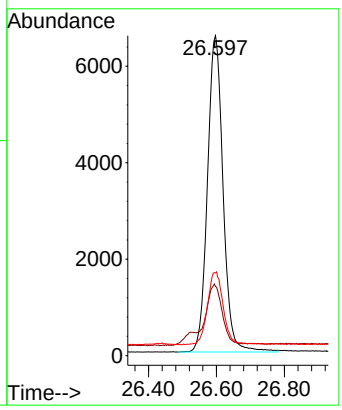


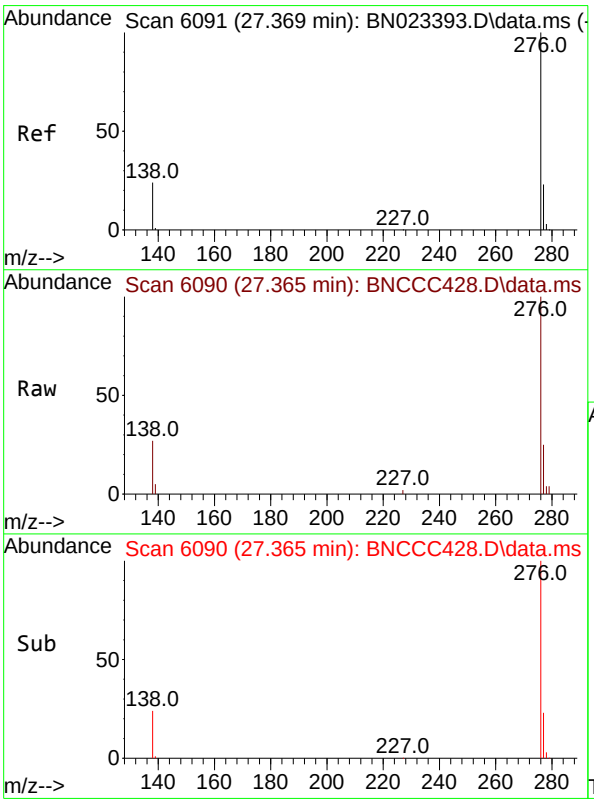

#28
Dibenzo(a,h)anthracene
Concen: 0.389 ng/ul
RT: 26.597 min Scan# 5
Delta R.T. -0.004 min
Lab File: BNCCC428.D
Acq: 25 Dec 2022 01:37

**Instrument :**
BNA_N
**ClientSampleId :**

Tgt Ion:278 Resp: 20927

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 21.7 | 16.6 | 24.8 |
| 279 | 25.8 | 21.3 | 31.9 |




#29
Benzo(g,h,i)perylene
Concen: 0.385 ng/ul
RT: 27.365 min Scan# 6090
Delta R.T. -0.004 min
Lab File: BNCCC428.D
Acq: 25 Dec 2022 01:37

Tgt Ion:276 Resp: 21794

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 27.2 | 20.3 | 30.5 |
| 277 | 24.6 | 19.7 | 29.5 |