Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081823\
Data File : BN026958.D
Acq On : 18 Aug 2023 14:18
Operator : MA/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
SSTD0.4390

Quant Time: Aug 18 15:05:48 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN080323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 18 13:11:26 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.101 | 152 | 6306 | 0.400 | ng/ul | 0.00 |
| 4) Naphthalene-d8 | 10.933 | 136 | 18428 | 0.400 | ng/ul | 0.00 |
| 9) Acenaphthene-d10 | 14.731 | 164 | 11429 | 0.400 | ng/ul | 0.00 |
| 13) Phenanthrene-d10 | 17.477 | 188 | 25335 | 0.400 | ng/ul | 0.00 |
| 17) Chrysene-d12 | 21.650 | 240 | 21719 | 0.400 | ng/ul | 0.00 |
| 23) Perylene-d12 | 24.196 | 264 | 22511 | 0.400 | ng/ul | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.439 | 96 | 3024 | 0.404 | ng/ul | 0.00 |
| 6) 2-Methylnaphthalene-d10 | 12.506 | 152 | 11817 | 0.436 | ng/ul | 0.00 |
| 18) Fluoranthene-d10 | 19.492 | 212 | 28317 | 0.413 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.477 | 88 | 3087 | 0.404 | ng/ul | 90 |
| 5) Naphthalene | 10.982 | 128 | 20447 | 0.393 | ng/ul | 99 |
| 7) 2-Methylnaphthalene | 12.577 | 142 | 13919 | 0.441 | ng/ul | 99 |
| 8) 1-Methylnaphthalene | 12.792 | 142 | 14752 | 0.447 | ng/ul | 99 |
| 10) Acenaphthylene | 14.458 | 152 | 20938 | 0.327 | ng/ul | 99 |
| 11) Acenaphthene | 14.795 | 153 | 17051 | 0.385 | ng/ul | 99 |
| 12) Fluorene | 15.776 | 166 | 19083 | 0.381 | ng/ul | 98 |
| 14) Pentachlorophenol | 17.101 | 266 | 2138 | 0.298 | ng/ul | 100 |
| 15) Phenanthrene | 17.519 | 178 | 31821 | 0.382 | ng/ul | 100 |
| 16) Anthracene | 17.612 | 178 | 26272 | 0.349 | ng/ul | 99 |
| 19) Fluoranthene | 19.525 | 202 | 37420 | 0.415 | ng/ul | 100 |
| 20) Pyrene | 19.887 | 202 | 38822 | 0.403 | ng/ul | 99 |
| 21) Benzo(a)anthracene | 21.633 | 228 | 32355 | 0.375 | ng/ul | 99 |
| 22) Chrysene | 21.688 | 228 | 34397 | 0.403 | ng/ul | 99 |
| 24) Benzo(b)fluoranthene | 23.401 | 252 | 36942 | 0.434 | ng/ul | 98 |
| 25) Benzo(k)fluoranthene | 23.457 | 252 | 36638 | 0.436 | ng/ul | 97 |
| 26) Benzo(a)pyrene | 24.082 | 252 | 31793 | 0.414 | ng/ul | 96 |
| 27) Indeno(1,2,3-cd)pyrene | 26.888 | 276 | 40468 | 0.403 | ng/ul# | 98 |
| 28) Dibenzo(a,h)anthracene | 26.915 | 278 | 31181 | 0.389 | ng/ul | 99 |
| 29) Benzo(g,h,i)perylene | 27.719 | 276 | 34933 | 0.417 | ng/ul | 99 |

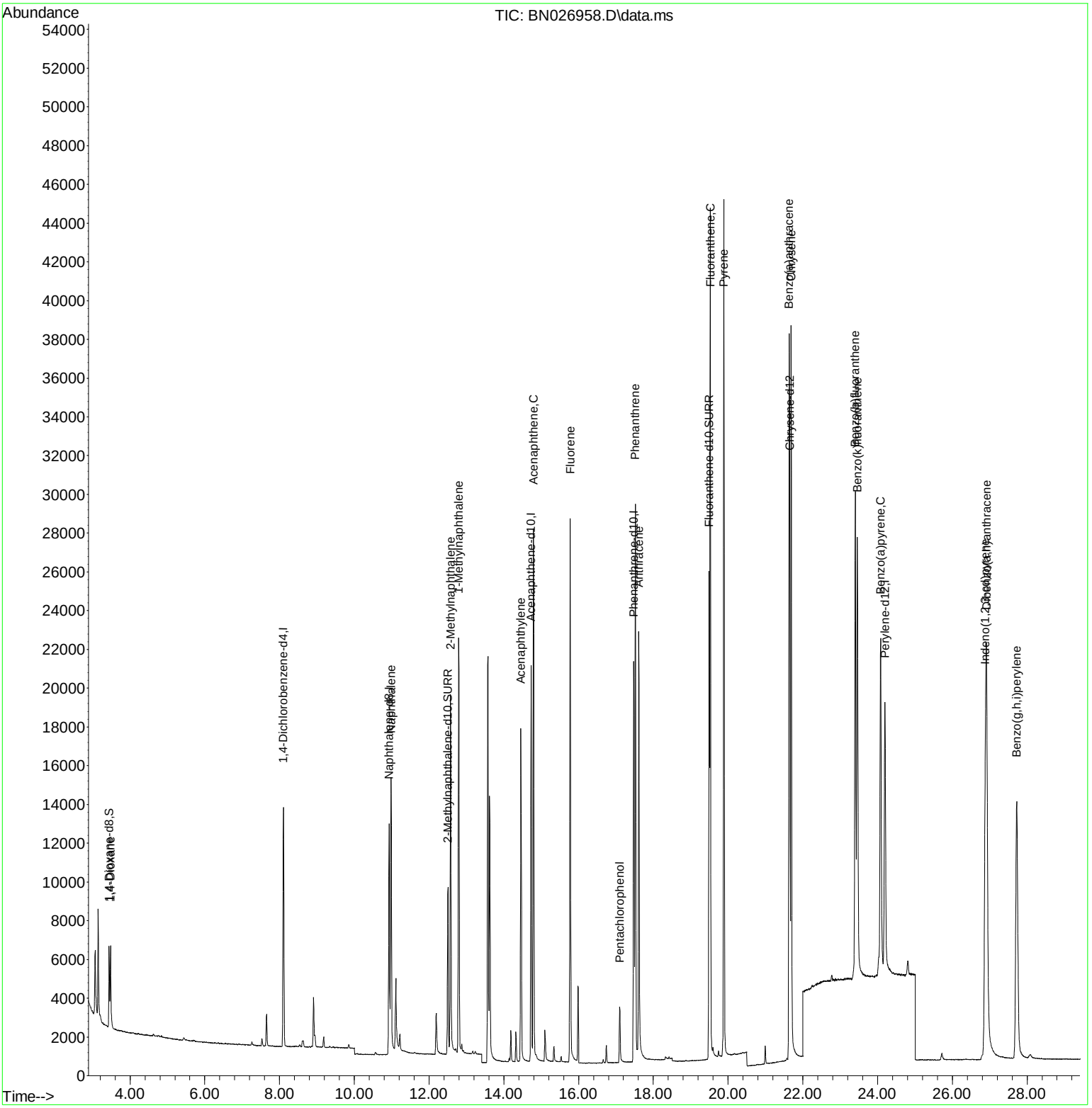
(#) = qualifier out of range (m) = manual integration (+) = signals summed

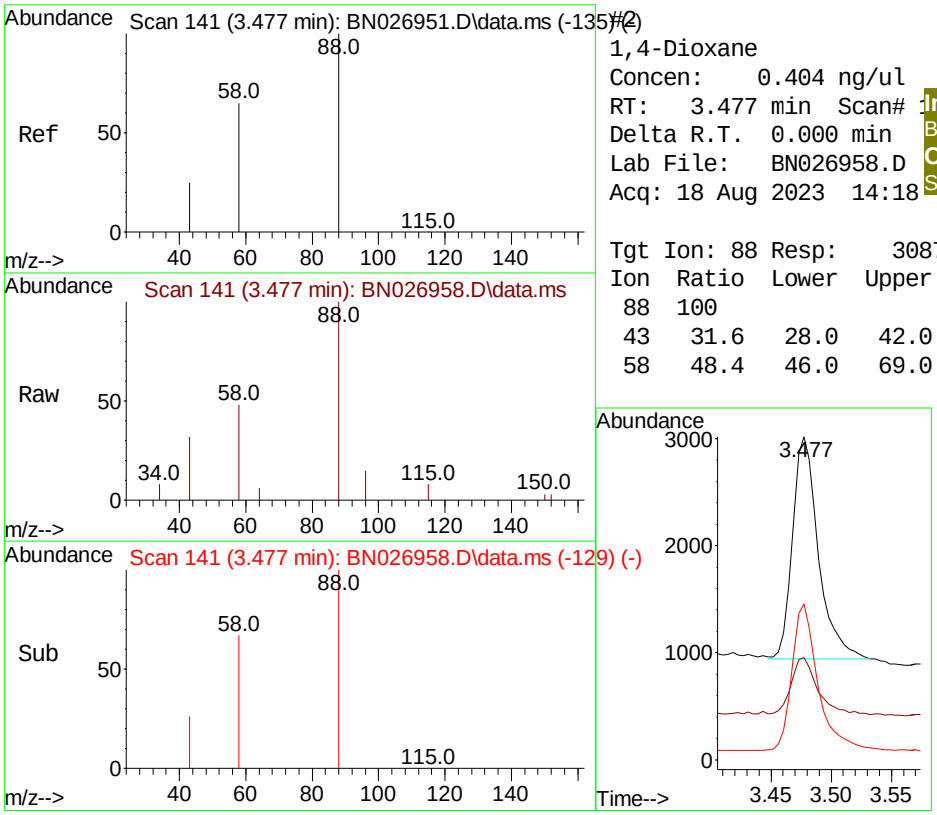
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081823\
Data File : BN026958.D
Acq On : 18 Aug 2023 14:18
Operator : MA/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
SSTD0.4390

Quant Time: Aug 18 15:05:48 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN080323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 18 13:11:26 2023
Response via : Initial Calibration





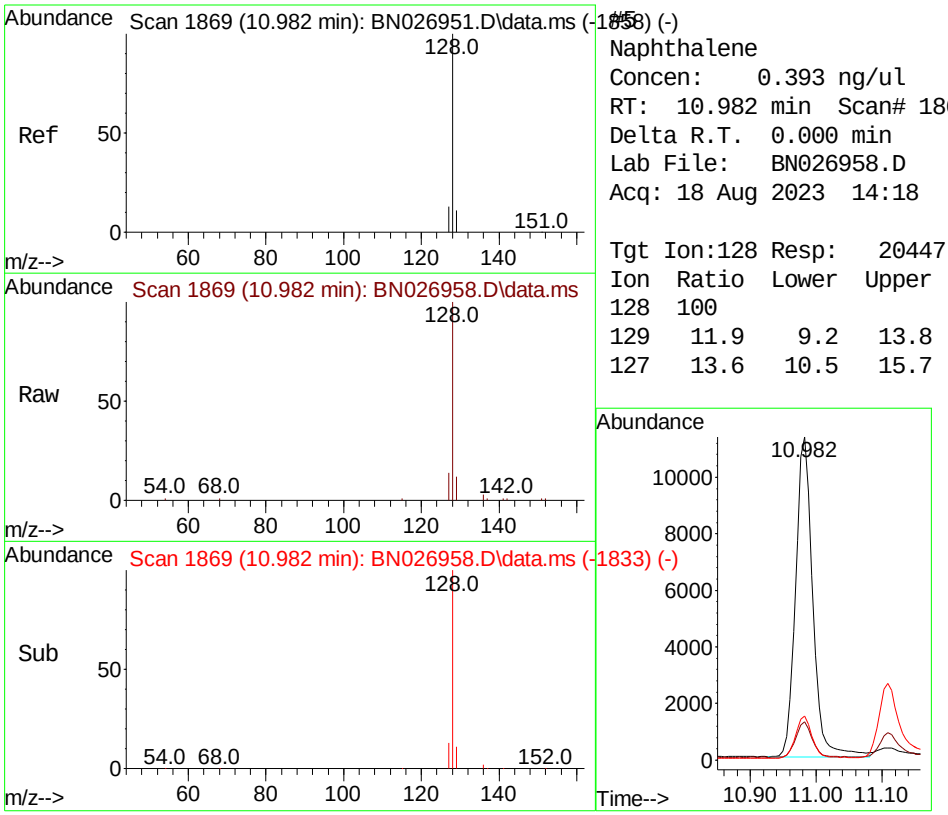

#2
1,4-Dioxane
Concen: 0.404 ng/ul
RT: 3.477 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN026958.D
Acq: 18 Aug 2023 14:18

**Instrument :**
BNA_N
**ClientSampleId :**
SSTD0.4390

Tgt Ion: 88 Resp: 3087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 31.6 | 28.0 | 42.0 |
| 58 | 48.4 | 46.0 | 69.0 |

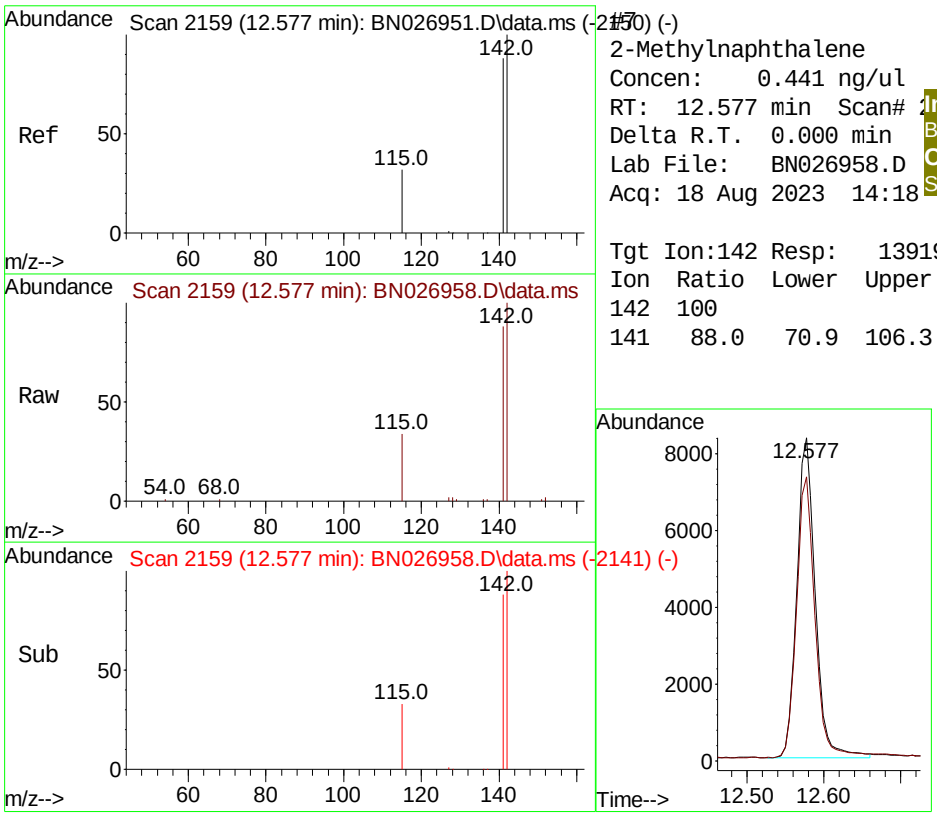



#5
Naphthalene
Concen: 0.393 ng/ul
RT: 10.982 min Scan# 1869
Delta R.T. 0.000 min
Lab File: BN026958.D
Acq: 18 Aug 2023 14:18

Tgt Ion:128 Resp: 20447

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.9 | 9.2 | 13.8 |
| 127 | 13.6 | 10.5 | 15.7 |



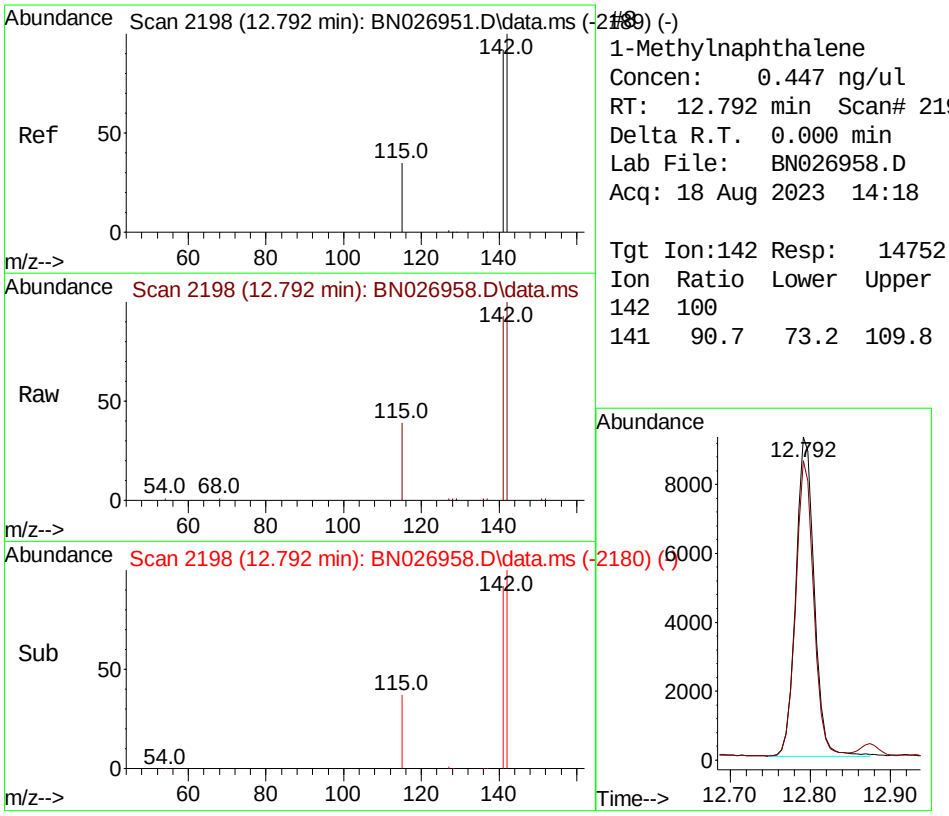

#57
2-Methylnaphthalene
Concen: 0.441 ng/ul
RT: 12.577 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN026958.D
Acq: 18 Aug 2023 14:18

**Instrument :**
BNA_N
**ClientSampleId :**
SSTD0.4390

Tgt Ion:142 Resp: 13919

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.0 | 70.9 | 106.3 |

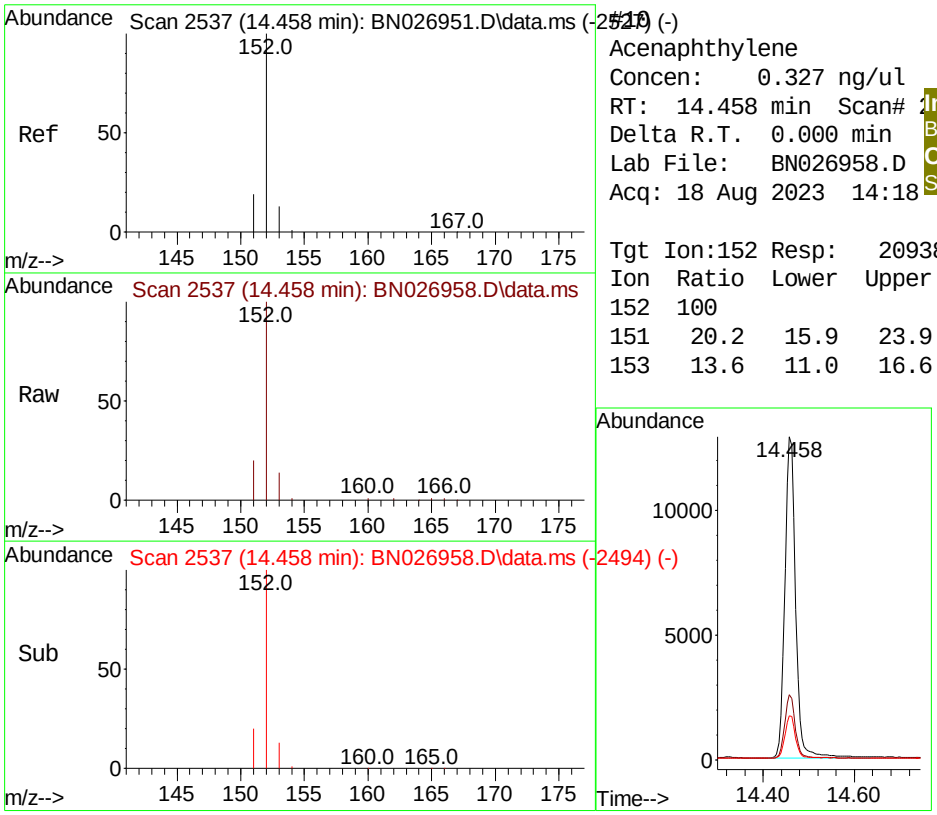



#58
1-Methylnaphthalene
Concen: 0.447 ng/ul
RT: 12.792 min Scan# 2198
Delta R.T. 0.000 min
Lab File: BN026958.D
Acq: 18 Aug 2023 14:18

Tgt Ion:142 Resp: 14752

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.7 | 73.2 | 109.8 |



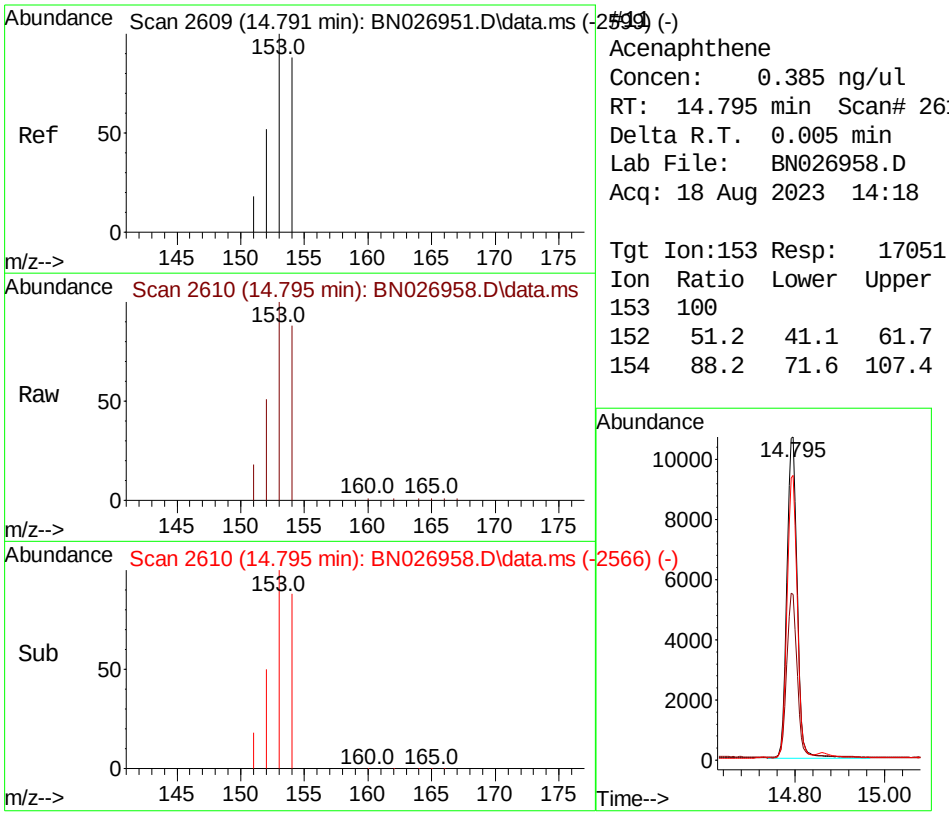

#10
Acenaphthylene
Concen: 0.327 ng/ul
RT: 14.458 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN026958.D
Acq: 18 Aug 2023 14:18

**Instrument :**
BNA_N
**ClientSampleId :**
SSTD0.4390

Tgt Ion:152 Resp: 20938

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.2 | 15.9 | 23.9 |
| 153 | 13.6 | 11.0 | 16.6 |

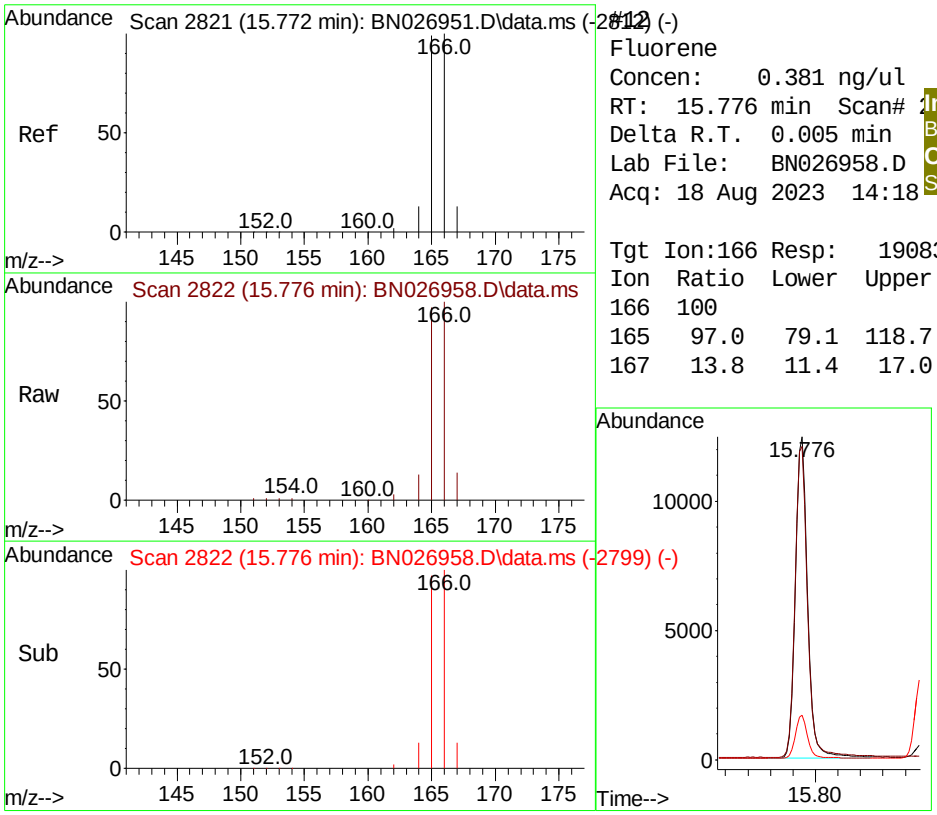



#11
Acenaphthene
Concen: 0.385 ng/ul
RT: 14.795 min Scan# 2610
Delta R.T. 0.005 min
Lab File: BN026958.D
Acq: 18 Aug 2023 14:18

Tgt Ion:153 Resp: 17051

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 51.2 | 41.1 | 61.7 |
| 154 | 88.2 | 71.6 | 107.4 |



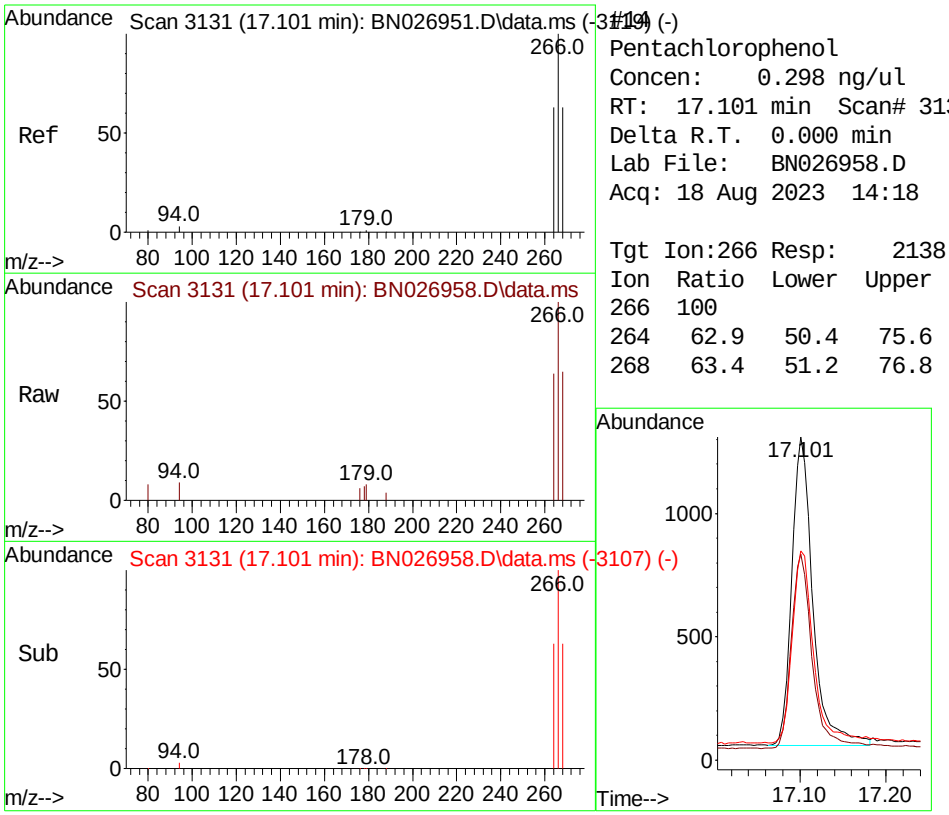

#12
Fluorene
Concen: 0.381 ng/ul
RT: 15.776 min Scan# 2
Delta R.T. 0.005 min
Lab File: BN026958.D
Acq: 18 Aug 2023 14:18

**Instrument :**
BNA_N
**ClientSampleId :**
SSTD0.4390

Tgt Ion:166 Resp: 19083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.0 | 79.1 | 118.7 |
| 167 | 13.8 | 11.4 | 17.0 |

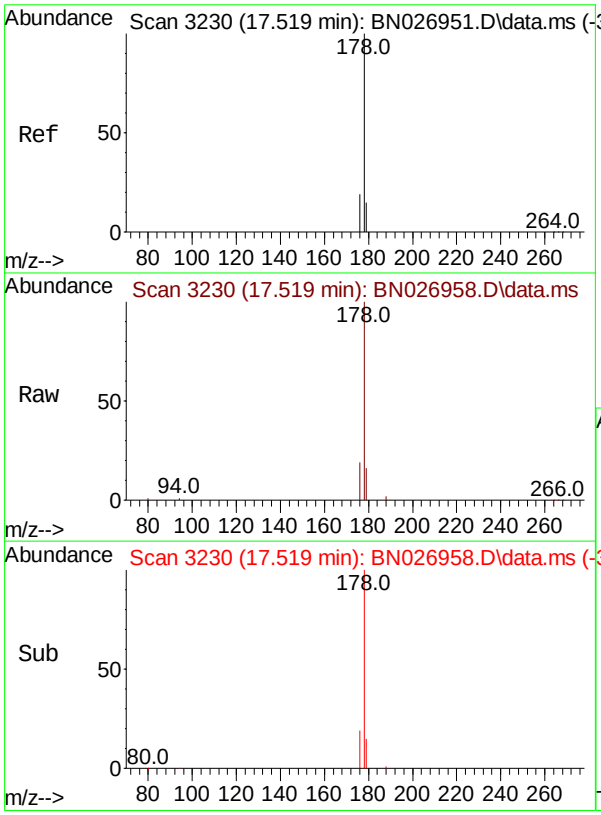



#14
Pentachlorophenol
Concen: 0.298 ng/ul
RT: 17.101 min Scan# 3131
Delta R.T. 0.000 min
Lab File: BN026958.D
Acq: 18 Aug 2023 14:18

Tgt Ion:266 Resp: 2138

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 62.9 | 50.4 | 75.6 |
| 268 | 63.4 | 51.2 | 76.8 |

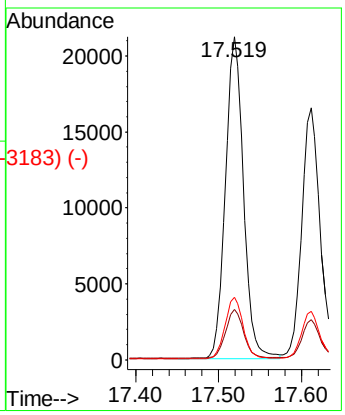


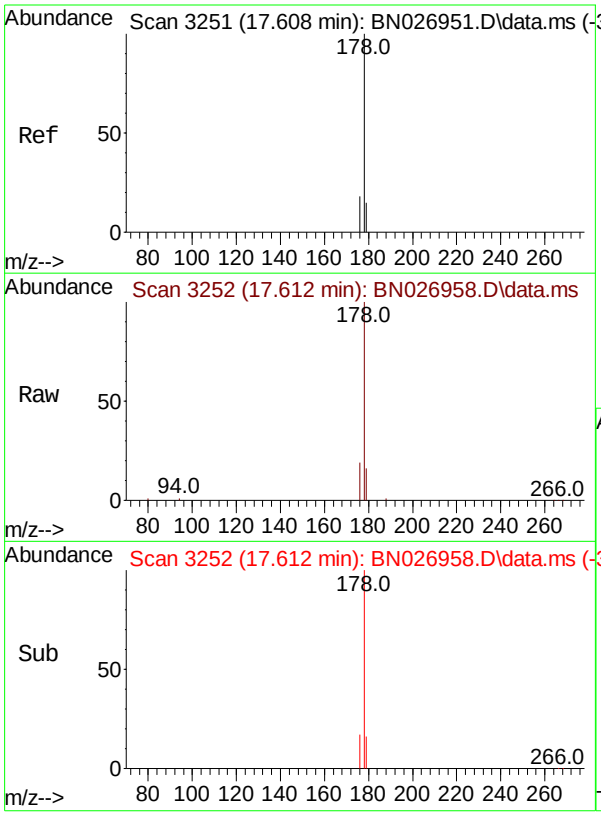

#15
Phenanthrene
Concen: 0.382 ng/ul
RT: 17.519 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN026958.D
Acq: 18 Aug 2023 14:18

**Instrument :**
BNA_N
**ClientSampleId :**
SSTD0.4390

Tgt Ion:178 Resp: 31821

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.5 | 12.6 | 18.8 |
| 176 | 19.4 | 15.4 | 23.2 |

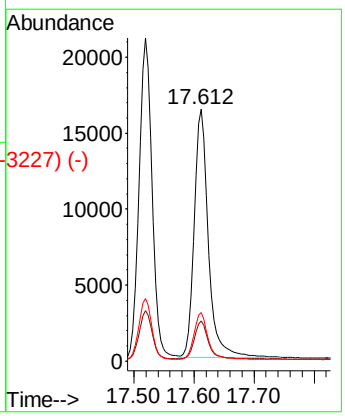


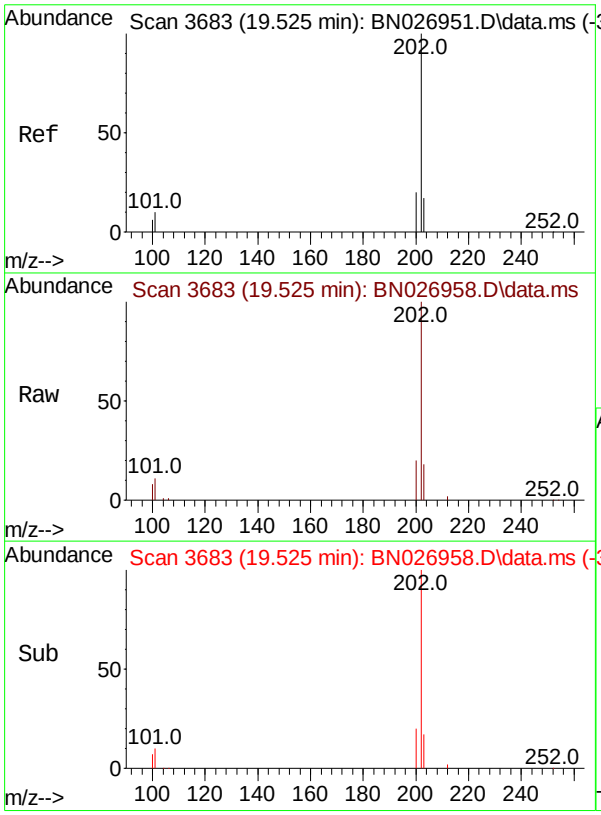




#16
Anthracene
Concen: 0.349 ng/ul
RT: 17.612 min Scan# 3252
Delta R.T. 0.004 min
Lab File: BN026958.D
Acq: 18 Aug 2023 14:18

Tgt Ion:178 Resp: 26272

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.9 | 12.6 | 19.0 |
| 176 | 19.2 | 15.0 | 22.6 |



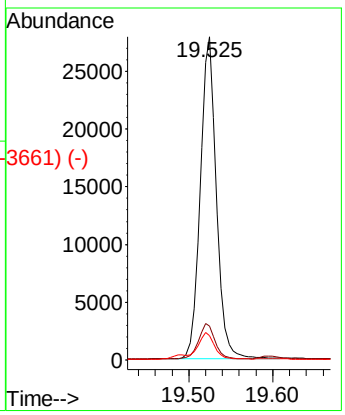


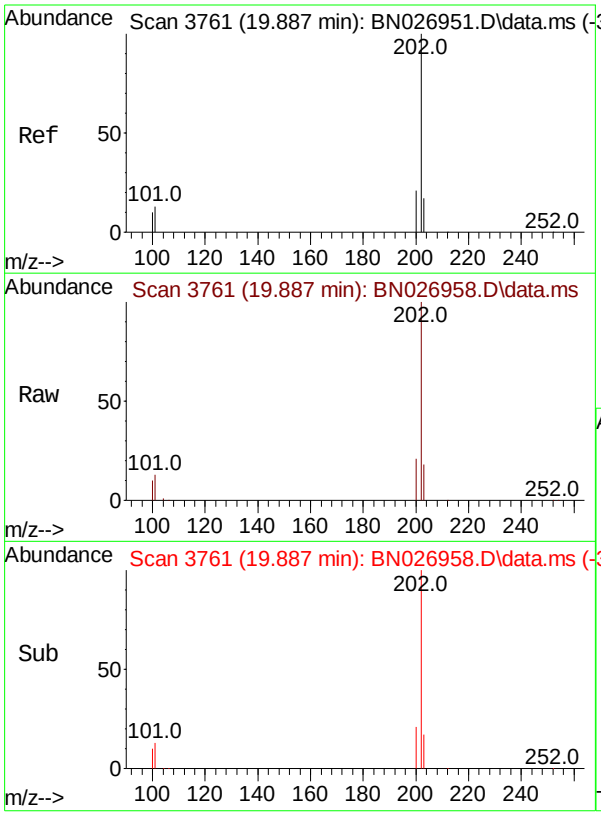

#19
Fluoranthene
Concen: 0.415 ng/ul
RT: 19.525 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN026958.D
Acq: 18 Aug 2023 14:18

**Instrument :**
BNA_N
**ClientSampleId :**
SSTD0.4390

Tgt Ion:202 Resp: 37420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.5 | 8.3 | 12.5 |
| 100 | 7.6 | 6.2 | 9.2 |

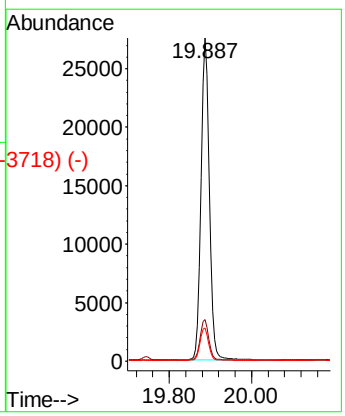


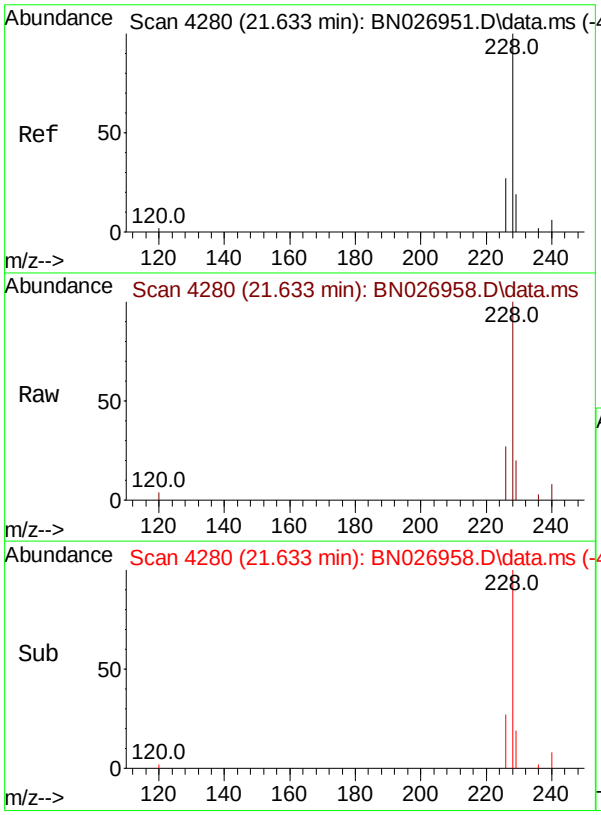




#20
Pyrene
Concen: 0.403 ng/ul
RT: 19.887 min Scan# 3761
Delta R.T. 0.000 min
Lab File: BN026958.D
Acq: 18 Aug 2023 14:18

Tgt Ion:202 Resp: 38822

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.9 | 10.7 | 16.1 |
| 100 | 10.3 | 8.5 | 12.7 |



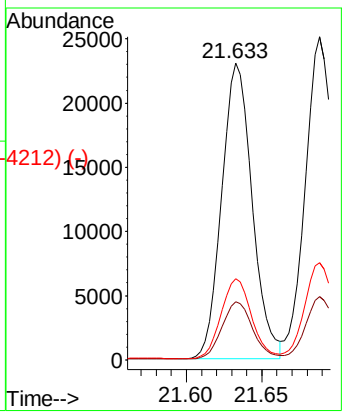


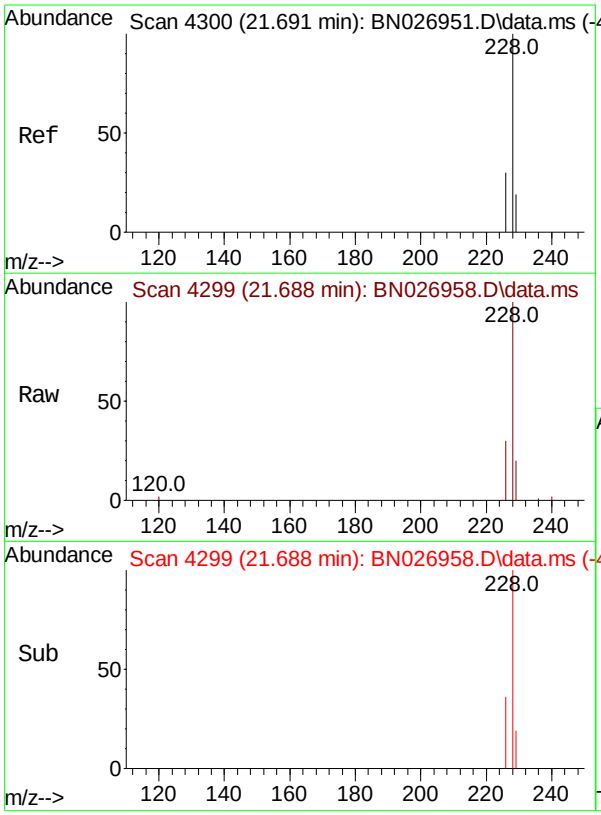

#21
Benzo(a)anthracene
Concen: 0.375 ng/ul
RT: 21.633 min Scan# 4
Delta R.T. 0.000 min
Lab File: BN026958.D
Acq: 18 Aug 2023 14:18

**Instrument :**
BNA_N
**ClientSampleId :**
SSTD0.4390

Tgt Ion:228 Resp: 32355

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 19.6 | 16.0 | 24.0 |
| 226 | 27.3 | 22.2 | 33.2 |

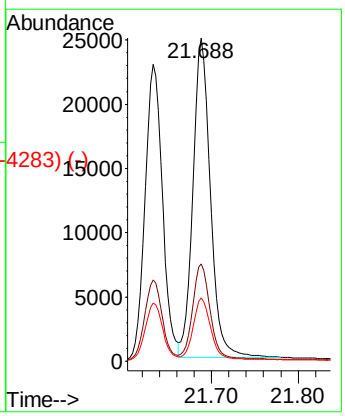


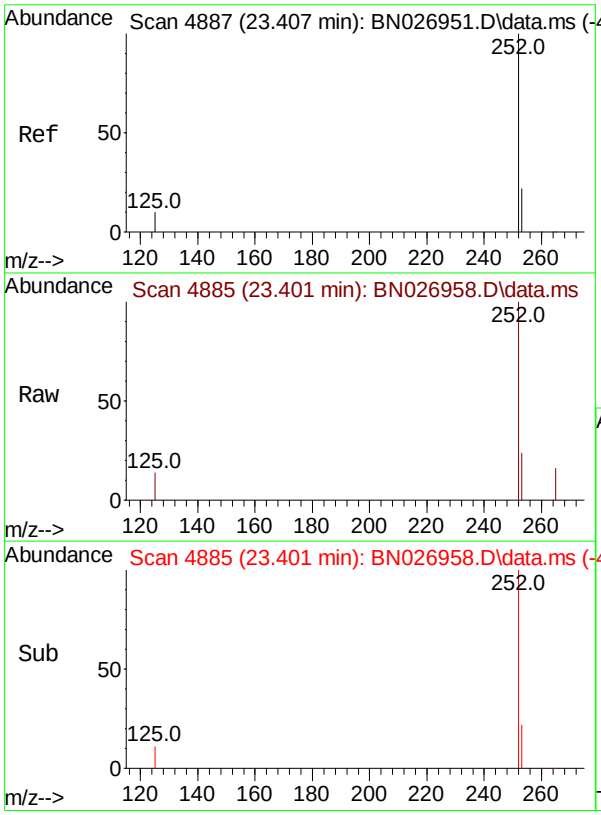




#22
Chrysene
Concen: 0.403 ng/ul
RT: 21.688 min Scan# 4299
Delta R.T. -0.003 min
Lab File: BN026958.D
Acq: 18 Aug 2023 14:18

Tgt Ion:228 Resp: 34397

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.0 | 24.6 | 36.8 |
| 229 | 19.7 | 15.8 | 23.6 |



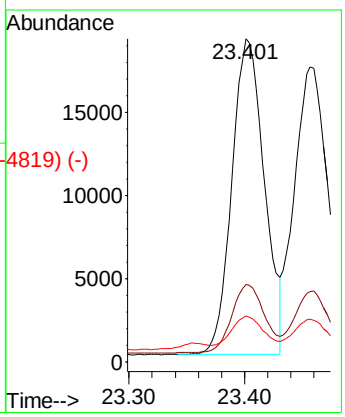


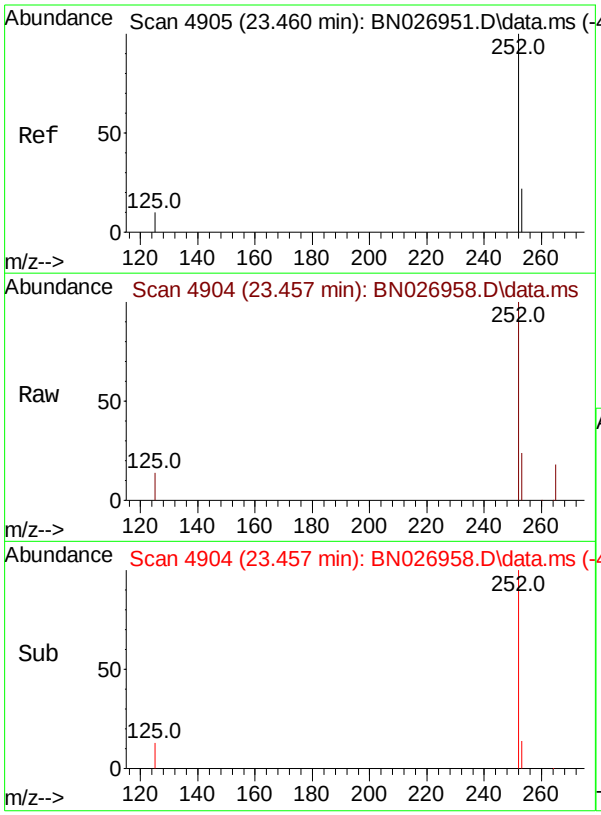

#24
Benzo(b)fluoranthene
Concen: 0.434 ng/ul
RT: 23.401 min Scan# 4
Delta R.T. -0.006 min
Lab File: BN026958.D
Acq: 18 Aug 2023 14:18

**Instrument :**
BNA_N
**ClientSampleId :**
SSTD0.4390

Tgt Ion:252 Resp: 36942

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.0 | 0.0 | 46.8 |
| 125 | 14.3 | 0.0 | 25.2 |

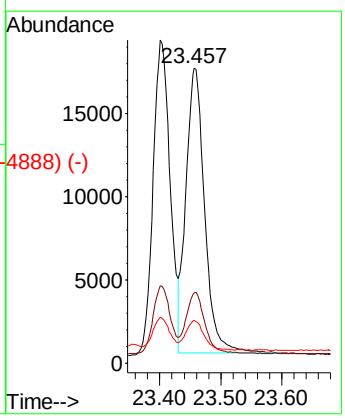


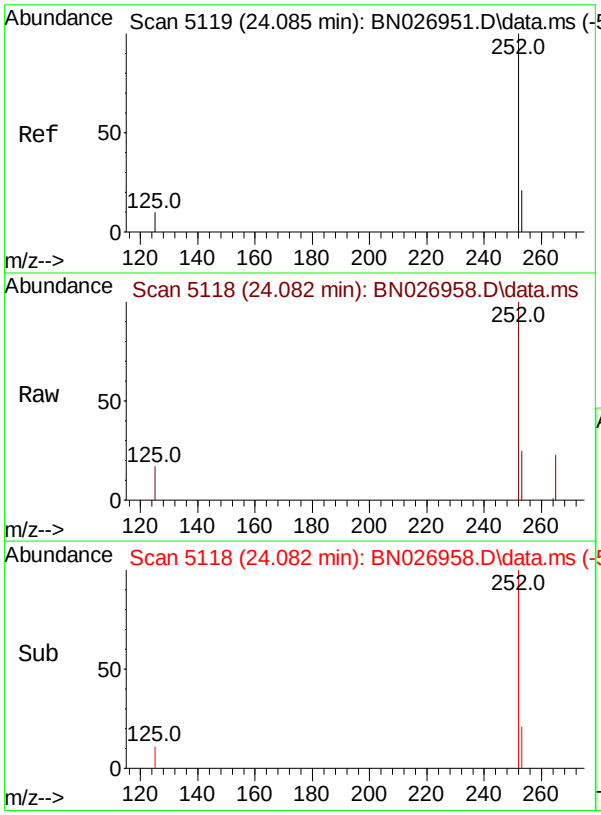




#25
Benzo(k)fluoranthene
Concen: 0.436 ng/ul
RT: 23.457 min Scan# 4904
Delta R.T. -0.003 min
Lab File: BN026958.D
Acq: 18 Aug 2023 14:18

Tgt Ion:252 Resp: 36638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.8 | 18.2 | 27.4 |
| 125 | 14.5 | 9.9 | 14.9 |



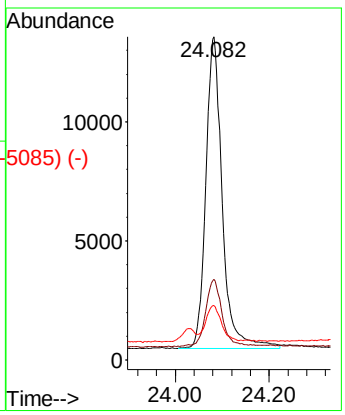


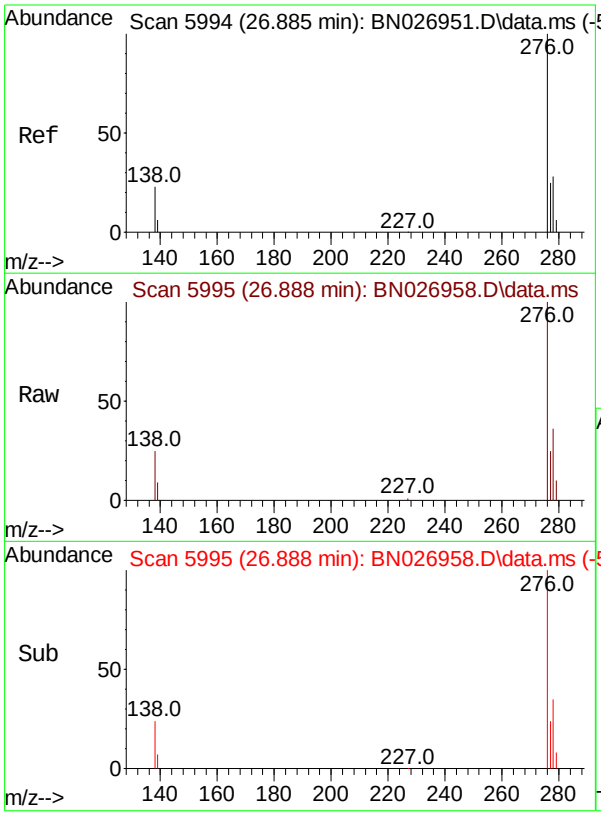

#26
Benzo(a)pyrene
Concen: 0.414 ng/ul
RT: 24.082 min Scan# 5
Delta R.T. -0.003 min
Lab File: BN026958.D
Acq: 18 Aug 2023 14:18

**Instrument :**
BNA_N
**ClientSampleId :**
SSTD0.4390

Tgt Ion:252 Resp: 31793

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.9 | 19.0 | 28.6 |
| 125 | 16.8 | 11.4 | 17.0 |

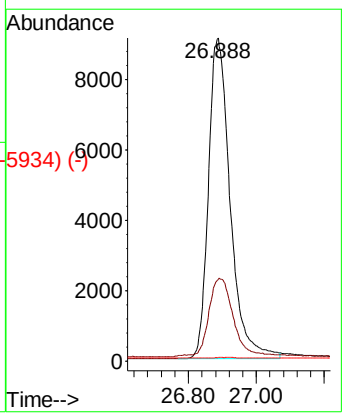


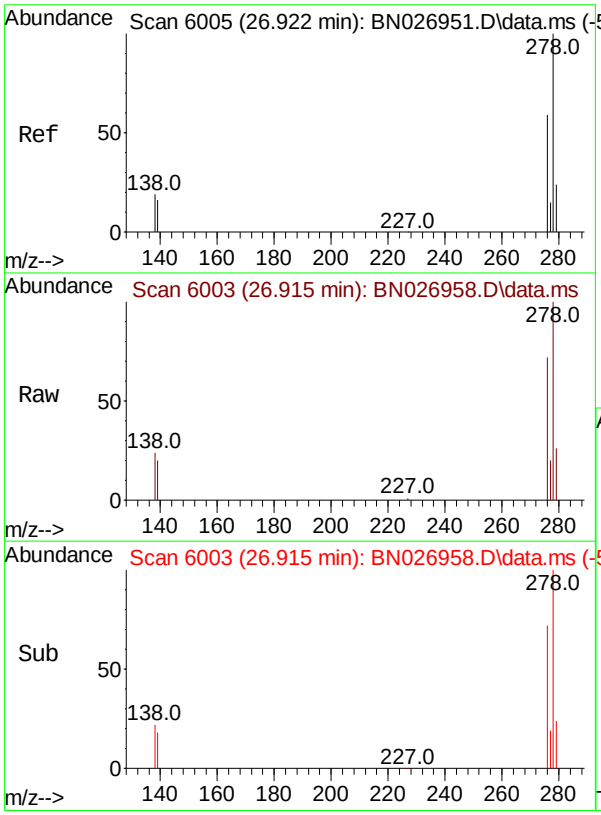




#27
Indeno(1,2,3-cd)pyrene
Concen: 0.403 ng/ul
RT: 26.888 min Scan# 5995
Delta R.T. 0.003 min
Lab File: BN026958.D
Acq: 18 Aug 2023 14:18

Tgt Ion:276 Resp: 40468

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 26.1 | 21.6 | 32.4 |
| 227 | 0.2 | 0.0 | 0.0# |



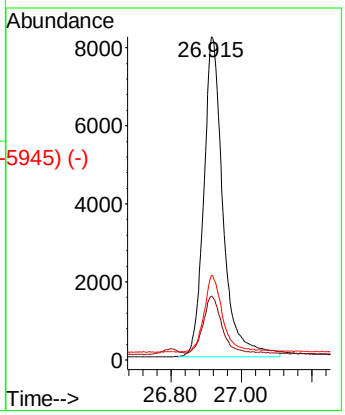


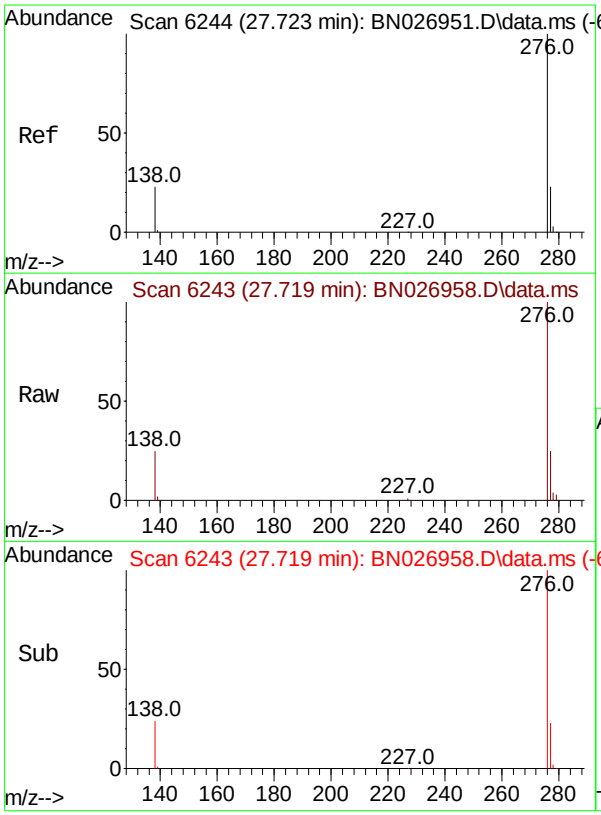

#28
Dibenzo(a,h)anthracene
Concen: 0.389 ng/ul
RT: 26.915 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN026958.D
Acq: 18 Aug 2023 14:18

**Instrument :**
BNA_N
**ClientSampleId :**
SSTD0.4390

Tgt Ion:278 Resp: 31181

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 19.8 | 15.7 | 23.5 |
| 279 | 26.0 | 20.2 | 30.4 |




#29
Benzo(g,h,i)perylene
Concen: 0.417 ng/ul
RT: 27.719 min Scan# 6243
Delta R.T. -0.004 min
Lab File: BN026958.D
Acq: 18 Aug 2023 14:18

Tgt Ion:276 Resp: 34933

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 25.0 | 19.3 | 28.9 |
| 277 | 24.6 | 19.8 | 29.8 |