Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020425\
Data File : BN036300.D
Acq On : 05 Feb 2025 16:17
Operator : RC/JU
Sample : PB166454BS
Misc :
ALS Vial : 48 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
SLCS454

Quant Time: Feb 05 17:43:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN012125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 03 12:27:24 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.775 | 152 | 2924 | 0.400 | ng/ul | -0.01 |
| 4) Naphthalene-d8 | 10.566 | 136 | 6815 | 0.400 | ng/ul | -0.01 |
| 9) Acenaphthene-d10 | 14.417 | 164 | 3723 | 0.400 | ng/ul | 0.00 |
| 13) Phenanthrene-d10 | 17.162 | 188 | 6982 | 0.400 | ng/ul | -0.01 |
| 17) Chrysene-d12 | 21.345 | 240 | 5464 | 0.400 | ng/ul | #-0.02 |
| 23) Perylene-d12 | 23.631 | 264 | 5860 | 0.400 | ng/ul | #-0.02 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.252 | 96 | 2466 | 0.770 | ng/ul | 0.00 |
| 6) 2-Methylnaphthalene-d10 | 12.161 | 152 | 4203 | 0.488 | ng/ul | 0.00 |
| 18) Fluoranthene-d10 | 19.192 | 212 | 7597 | 0.506 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.285 | 88 | 6611 | 1.934 | ng/ul | 88 |
| 5) Naphthalene | 10.616 | 128 | 8050 | 0.429 | ng/ul | 99 |
| 7) 2-Methylnaphthalene | 12.233 | 142 | 4952 | 0.425 | ng/ul | 100 |
| 8) 1-Methylnaphthalene | 12.453 | 142 | 4996 | 0.422 | ng/ul | 100 |
| 10) Acenaphthylene | 14.135 | 152 | 6671 | 0.380 | ng/ul | 99 |
| 11) Acenaphthene | 14.477 | 153 | 5317 | 0.412 | ng/ul | 97 |
| 12) Fluorene | 15.467 | 166 | 5603 | 0.393 | ng/ul | 99 |
| 14) Pentachlorophenol | 16.820 | 266 | 1530 | 0.626 | ng/ul | 98 |
| 15) Phenanthrene | 17.200 | 178 | 8576 | 0.419 | ng/ul | 99 |
| 16) Anthracene | 17.293 | 178 | 7422 | 0.391 | ng/ul | 99 |
| 19) Fluoranthene | 19.220 | 202 | 9213 | 0.444 | ng/ul | 97 |
| 20) Pyrene | 19.582 | 202 | 9526 | 0.439 | ng/ul# | 95 |
| 21) Benzo(a)anthracene | 21.331 | 228 | 8159 | 0.418 | ng/ul | 99 |
| 22) Chrysene | 21.383 | 228 | 8801 | 0.442 | ng/ul | 99 |
| 24) Benzo(b)fluoranthene | 22.944 | 252 | 8843 | 0.452 | ng/ul | 90 |
| 25) Benzo(k)fluoranthene | 22.985 | 252 | 9068 | 0.441 | ng/ul# | 90 |
| 26) Benzo(a)pyrene | 23.529 | 252 | 8027 | 0.454 | ng/ul# | 90 |
| 27) Indeno(1,2,3-cd)pyrene | 25.951 | 276 | 10736 | 0.460 | ng/ul# | 96 |
| 28) Dibenzo(a,h)anthracene | 25.968 | 278 | 8349 | 0.464 | ng/ul | 96 |
| 29) Benzo(g,h,i)perylene | 26.655 | 276 | 8699 | 0.479 | ng/ul | 97 |

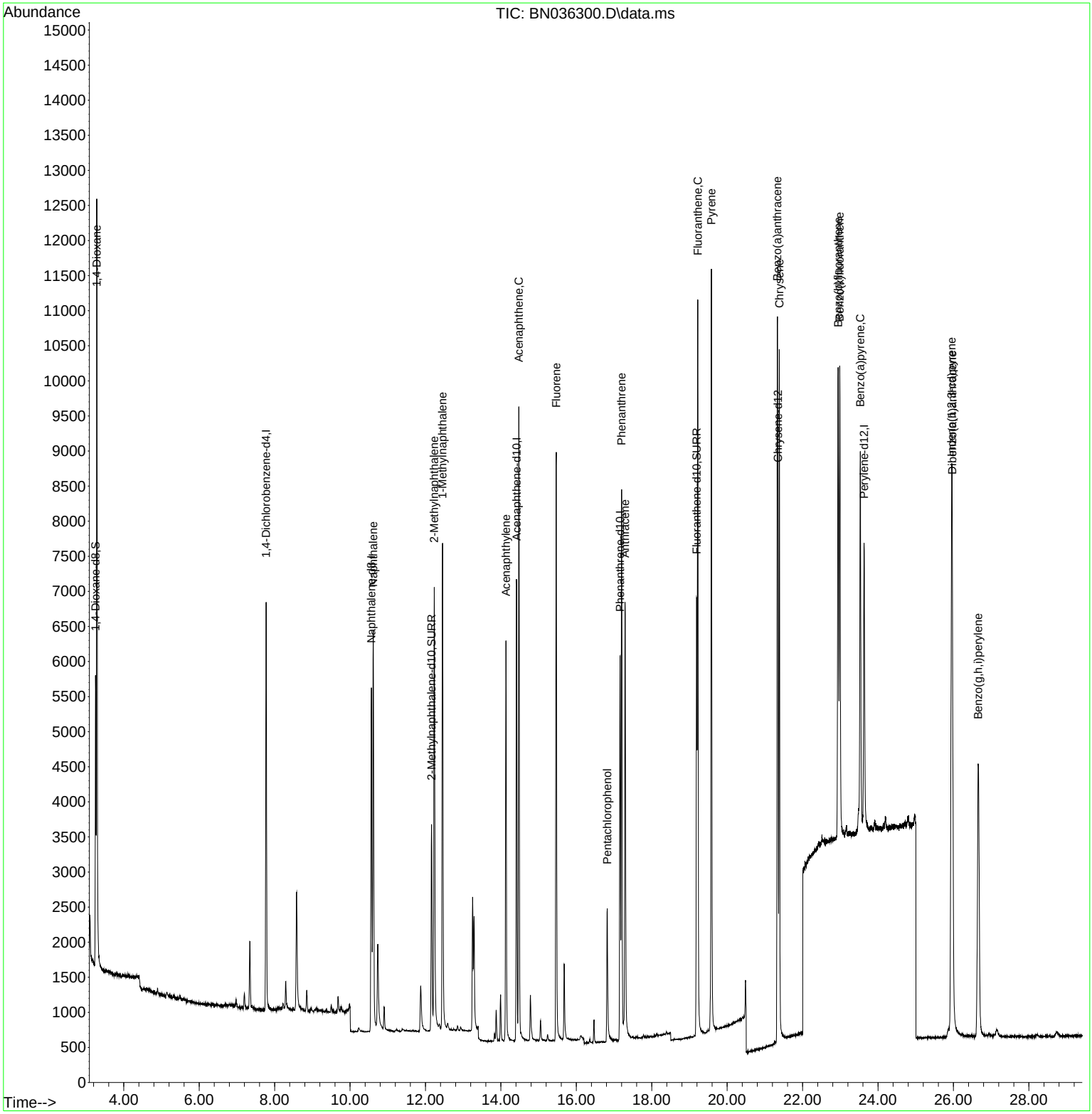
(#) = qualifier out of range (m) = manual integration (+) = signals summed

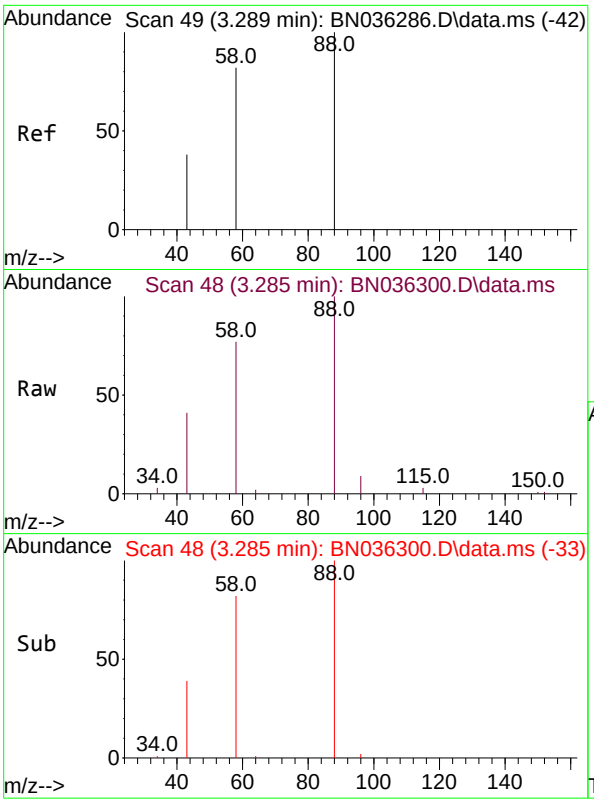
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020425\
Data File : BN036300.D
Acq On : 05 Feb 2025 16:17
Operator : RC/JU
Sample : PB166454BS
Misc :
ALS Vial : 48 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
SLCS454

Quant Time: Feb 05 17:43:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN012125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 03 12:27:24 2025
Response via : Initial Calibration



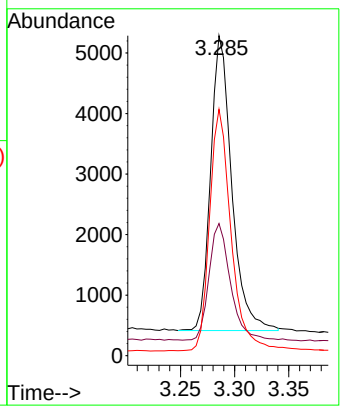


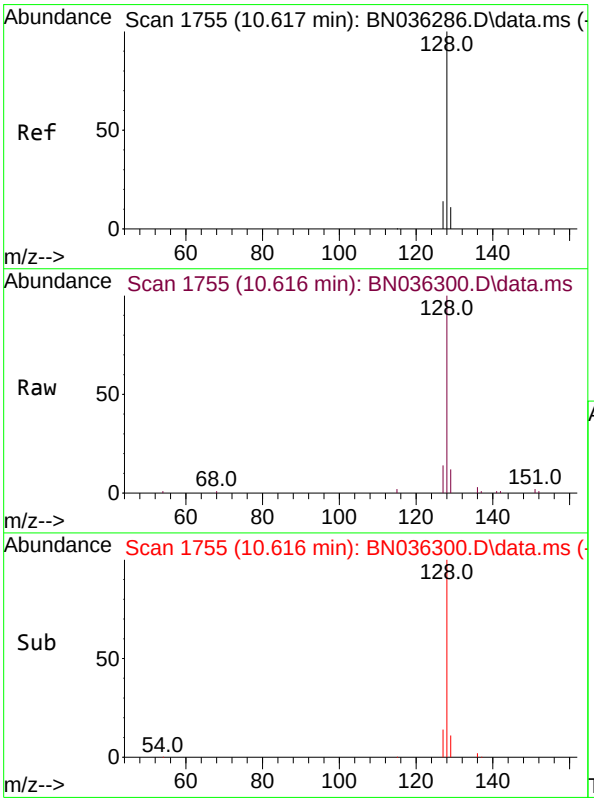

#2
1,4-Dioxane
Concen: 1.934 ng/ul
RT: 3.285 min Scan# 4
Delta R.T. -0.008 min
Lab File: BN036300.D
Acq: 05 Feb 2025 16:17

**Instrument :**
BNA_N
**ClientSampleId :**
SLCS454

Tgt Ion: 88 Resp: 6611

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 41.3 | 40.7 | 61.1 |
| 58 | 77.0 | 55.2 | 82.8 |

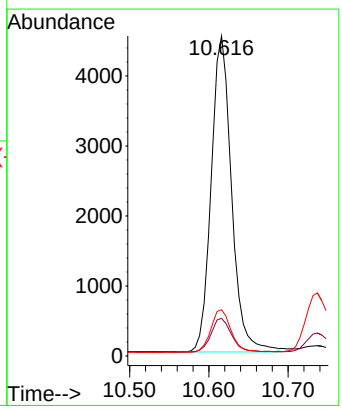


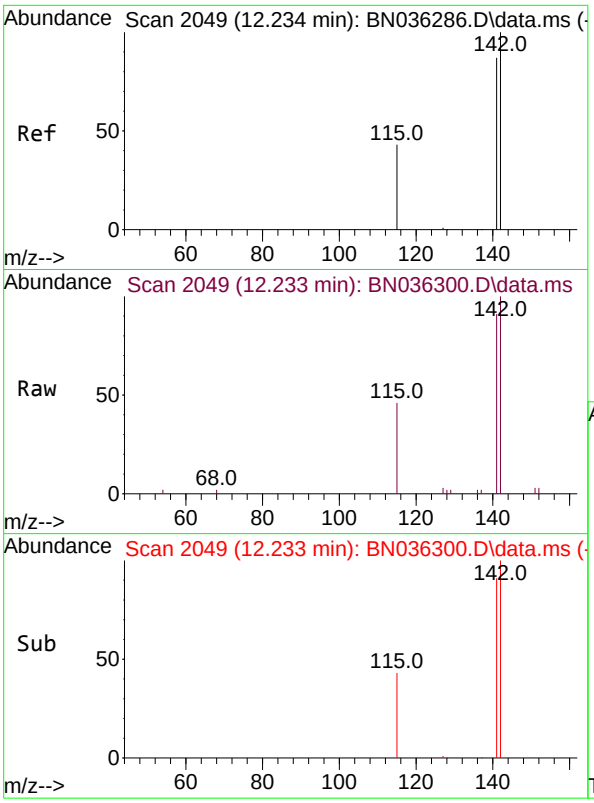




#5
Naphthalene
Concen: 0.429 ng/ul
RT: 10.616 min Scan# 1755
Delta R.T. -0.011 min
Lab File: BN036300.D
Acq: 05 Feb 2025 16:17

Tgt Ion:128 Resp: 8050

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.8 | 9.6 | 14.4 |
| 127 | 14.4 | 12.0 | 18.0 |



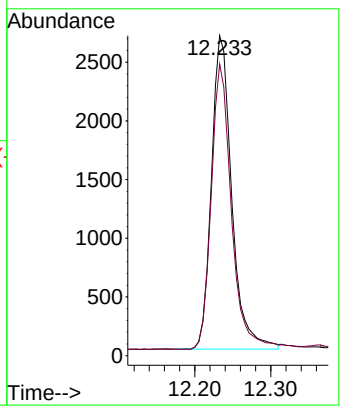


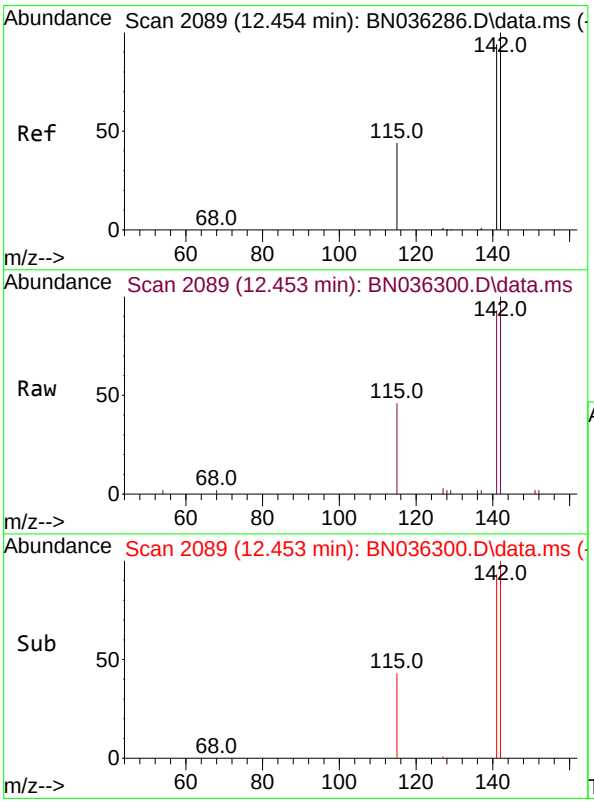

#7
2-Methylnaphthalene
Concen: 0.425 ng/ul
RT: 12.233 min Scan# 2(
Delta R.T. -0.011 min
Lab File: BN036300.D
Acq: 05 Feb 2025 16:17

**Instrument :**
BNA_N
**ClientSampleId :**
SLCS454

Tgt Ion:142 Resp: 4952

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.2 | 71.9 | 107.9 |

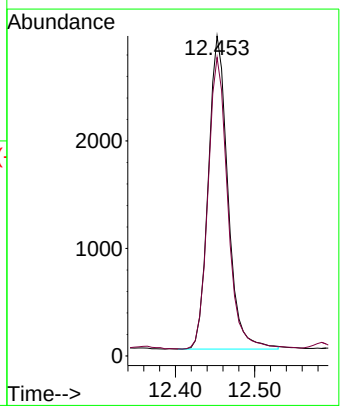


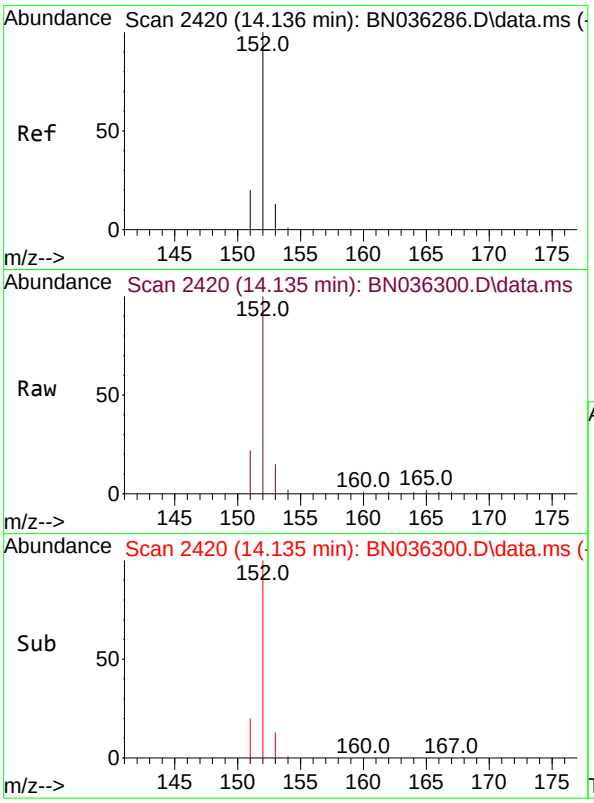




#8
1-Methylnaphthalene
Concen: 0.422 ng/ul
RT: 12.453 min Scan# 2089
Delta R.T. -0.011 min
Lab File: BN036300.D
Acq: 05 Feb 2025 16:17

Tgt Ion:142 Resp: 4996

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 93.8 | 75.2 | 112.8 |



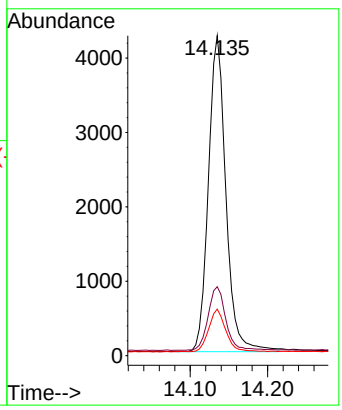


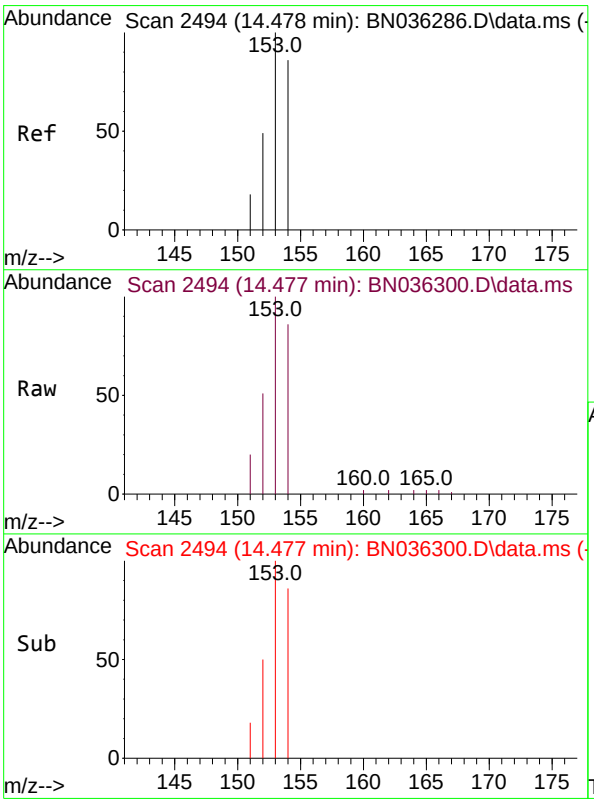

#10
Acenaphthylene
Concen: 0.380 ng/ul
RT: 14.135 min Scan# 24
Delta R.T. -0.010 min
Lab File: BN036300.D
Acq: 05 Feb 2025 16:17

**Instrument :**
BNA_N
**ClientSampleId :**
SLCS454

Tgt Ion:152 Resp: 6671

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 21.5 | 17.4 | 26.2 |
| 153 | 14.5 | 11.9 | 17.9 |

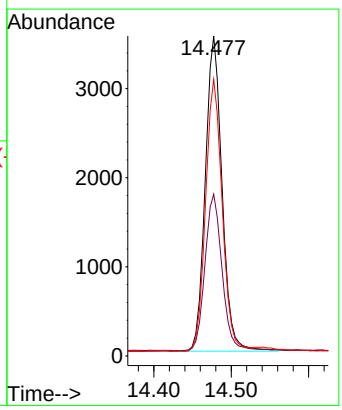


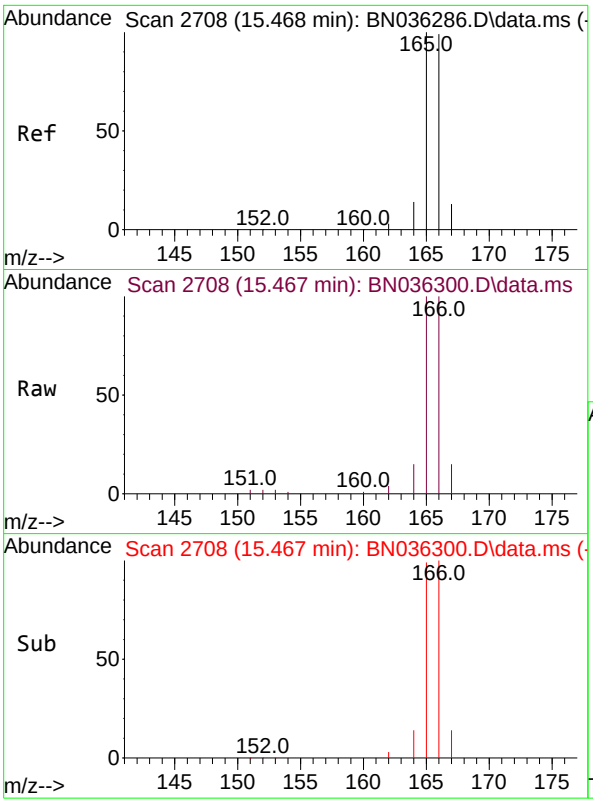




#11
Acenaphthene
Concen: 0.412 ng/ul
RT: 14.477 min Scan# 2494
Delta R.T. -0.014 min
Lab File: BN036300.D
Acq: 05 Feb 2025 16:17

Tgt Ion:153 Resp: 5317

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 50.5 | 43.2 | 64.8 |
| 154 | 86.4 | 70.5 | 105.7 |



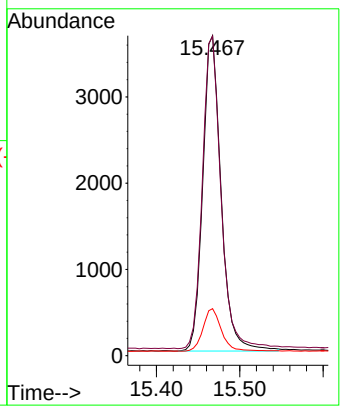


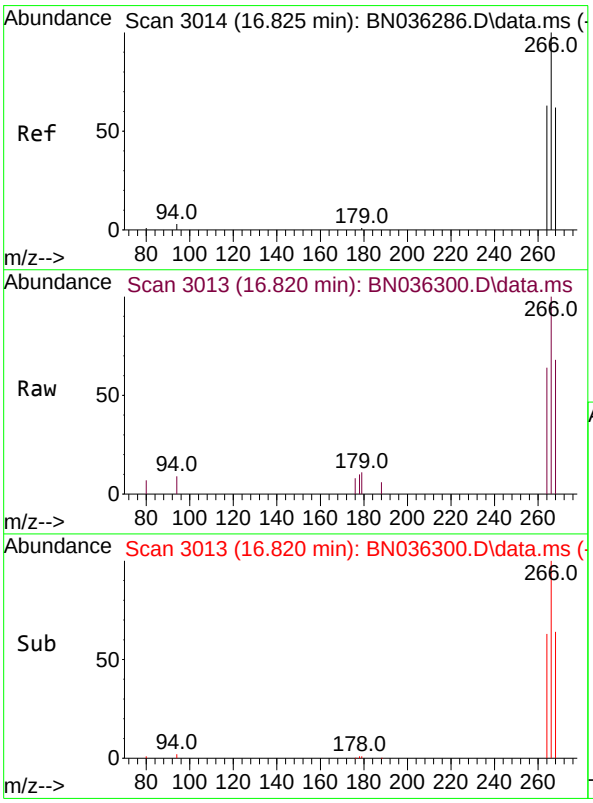

#12
Fluorene
Concen: 0.393 ng/ul
RT: 15.467 min Scan# 2
Delta R.T. -0.010 min
Lab File: BN036300.D
Acq: 05 Feb 2025 16:17

**Instrument :**
BNA_N
**ClientSampleId :**
SLCS454

Tgt Ion:166 Resp: 5603

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 99.9 | 80.3 | 120.5 |
| 167 | 14.7 | 12.3 | 18.5 |

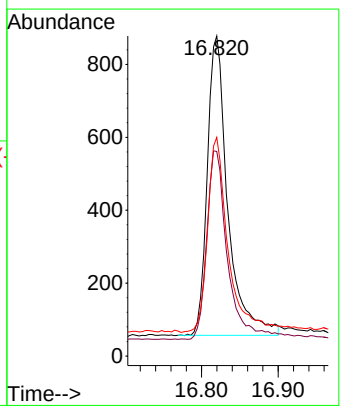


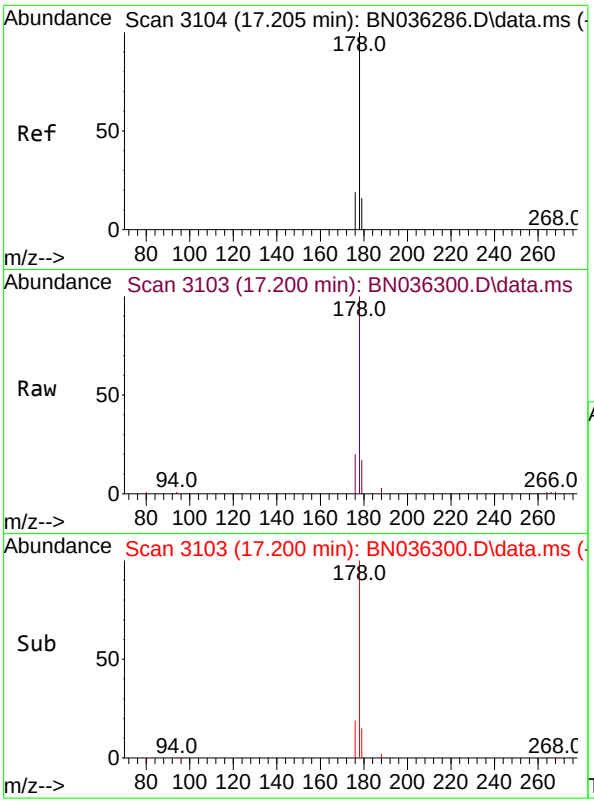




#14
Pentachlorophenol
Concen: 0.626 ng/ul
RT: 16.820 min Scan# 3013
Delta R.T. -0.008 min
Lab File: BN036300.D
Acq: 05 Feb 2025 16:17

Tgt Ion:266 Resp: 1530

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 63.6 | 50.6 | 75.8 |
| 268 | 65.2 | 50.6 | 75.8 |



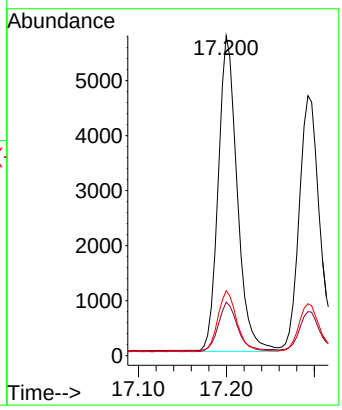


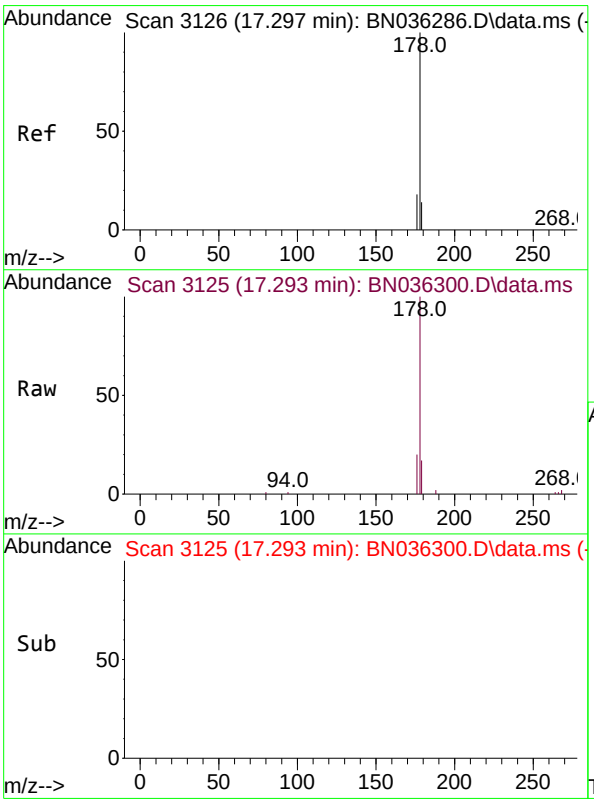

#15
Phenanthrene
Concen: 0.419 ng/ul
RT: 17.200 min Scan# 3
Delta R.T. -0.013 min
Lab File: BN036300.D
Acq: 05 Feb 2025 16:17

**Instrument :**
BNA_N
**ClientSampleId :**
SLCS454

Tgt Ion:178 Resp: 8576

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.7 | 13.2 | 19.8 |
| 176 | 20.3 | 16.8 | 25.2 |

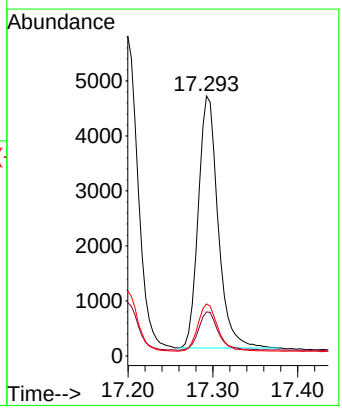


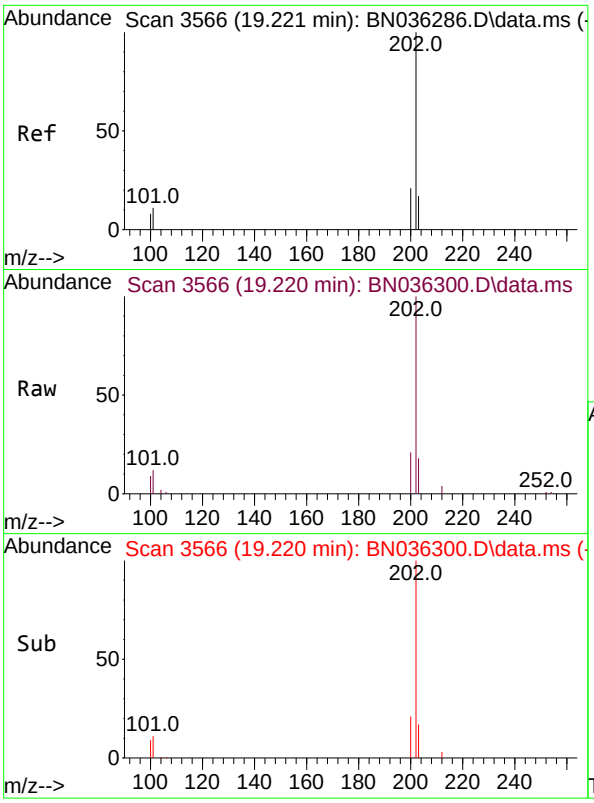




#16
Anthracene
Concen: 0.391 ng/ul
RT: 17.293 min Scan# 3125
Delta R.T. -0.013 min
Lab File: BN036300.D
Acq: 05 Feb 2025 16:17

Tgt Ion:178 Resp: 7422

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.9 | 13.0 | 19.4 |
| 176 | 20.0 | 15.9 | 23.9 |



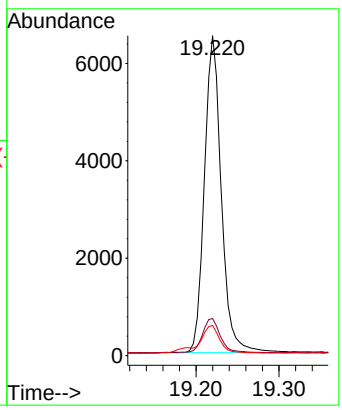


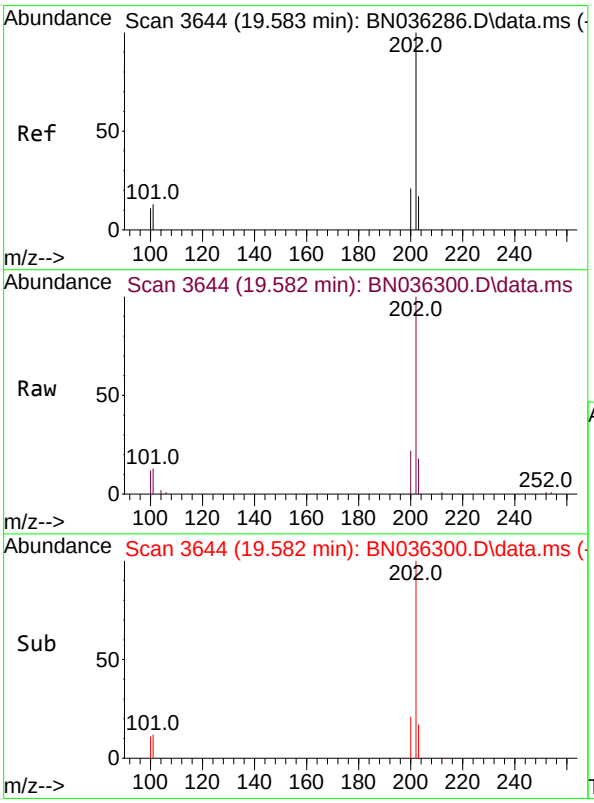

#19
Fluoranthene
Concen: 0.444 ng/ul
RT: 19.220 min Scan# 3
Delta R.T. -0.014 min
Lab File: BN036300.D
Acq: 05 Feb 2025 16:17

**Instrument :**
BNA_N
**ClientSampleId :**
SLCS454

Tgt Ion:202 Resp: 9213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.6 | 8.4 | 12.6 |
| 100 | 9.5 | 6.5 | 9.7 |

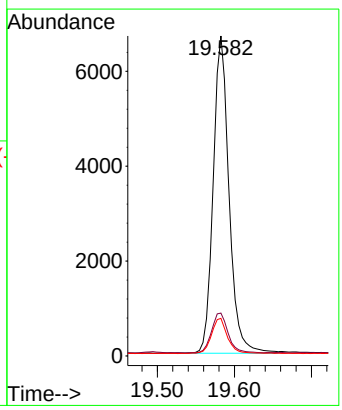


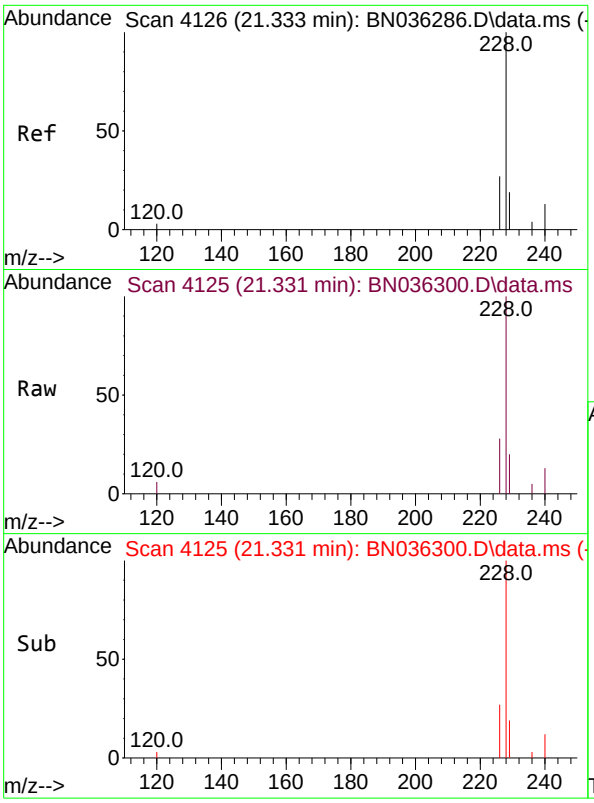




#20
Pyrene
Concen: 0.439 ng/ul
RT: 19.582 min Scan# 3644
Delta R.T. -0.014 min
Lab File: BN036300.D
Acq: 05 Feb 2025 16:17

Tgt Ion:202 Resp: 9526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.4 | 9.3 | 13.9 |
| 100 | 11.8 | 7.5 | 11.3# |





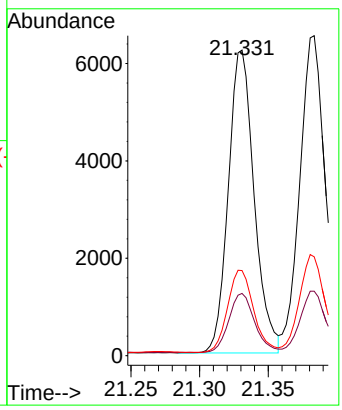

#21
Benzo(a)anthracene
Concen: 0.418 ng/ul
RT: 21.331 min Scan# 4

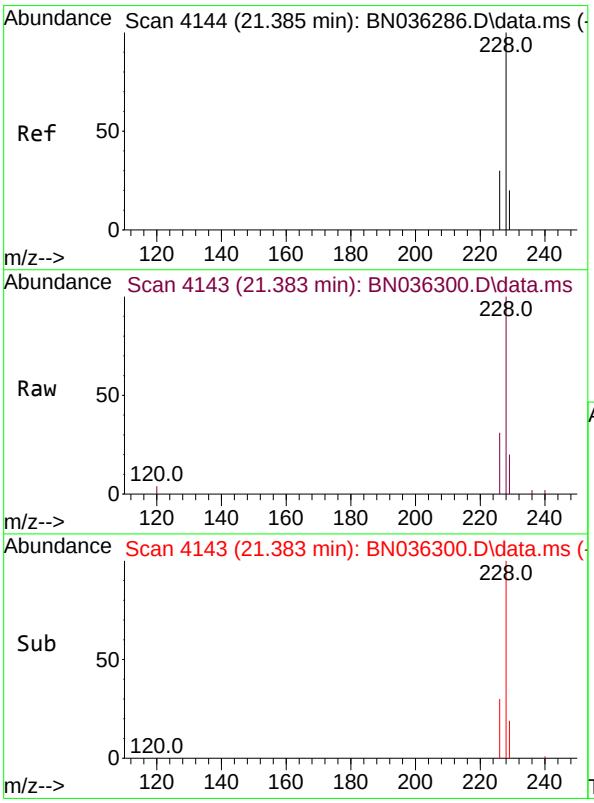
**Instrument :**
BNA_N
**ClientSampleId :**
SLCS454

Delta R.T. -0.015 min
Lab File: BN036300.D
Acq: 05 Feb 2025 16:17

Tgt Ion:228 Resp: 8159

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 20.4 | 15.9 | 23.9 |
| 226 | 27.9 | 22.8 | 34.2 |

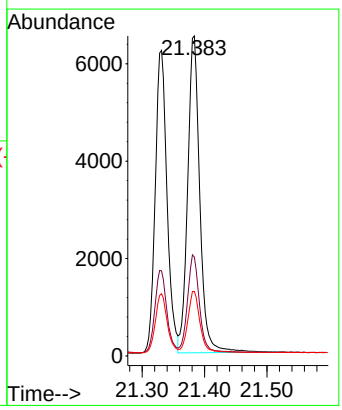


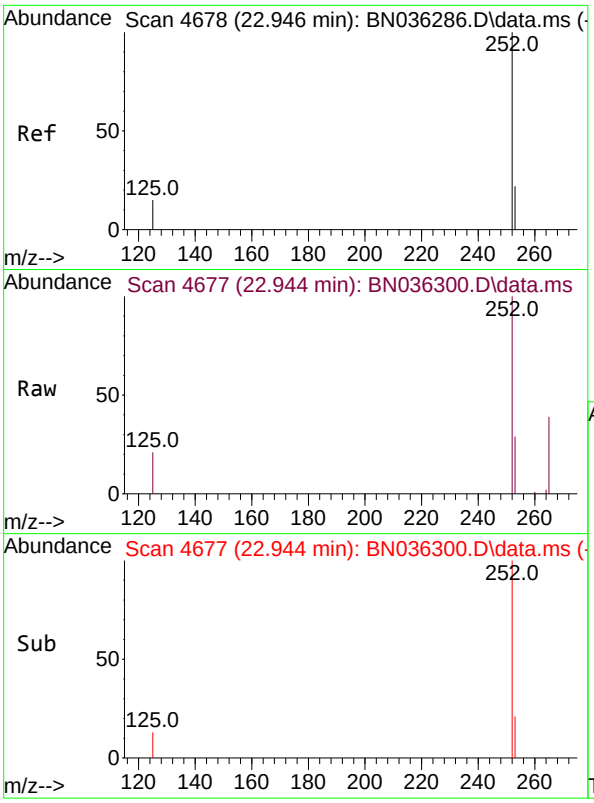




#22
Chrysene
Concen: 0.442 ng/ul
RT: 21.383 min Scan# 4143
Delta R.T. -0.015 min
Lab File: BN036300.D
Acq: 05 Feb 2025 16:17

Tgt Ion:228 Resp: 8801

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.9 | 24.4 | 36.6 |
| 229 | 20.1 | 15.9 | 23.9 |



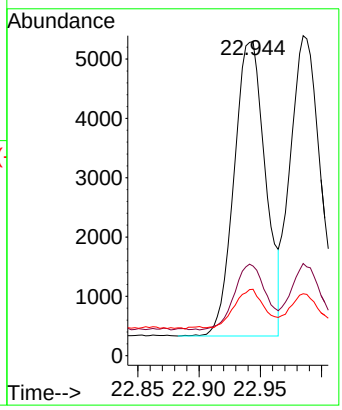


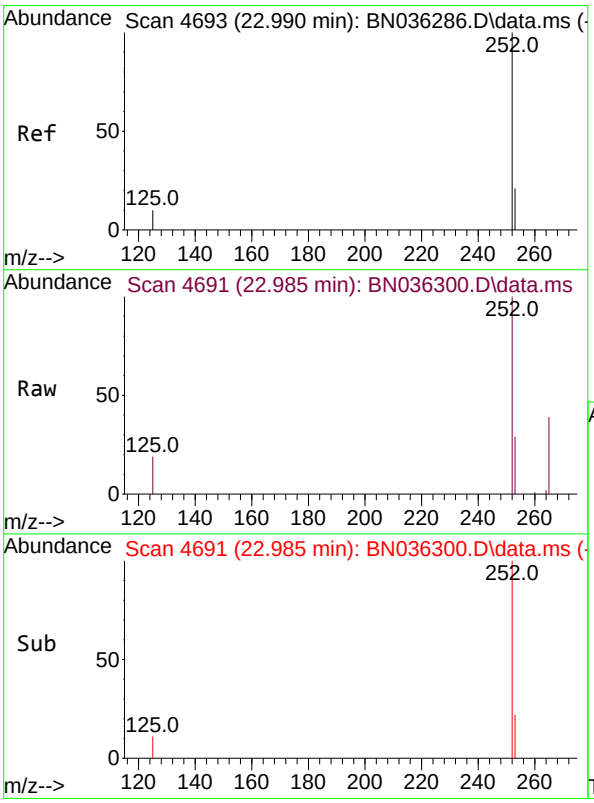

#24
Benzo(b)fluoranthene
Concen: 0.452 ng/ul
RT: 22.944 min Scan# 4
Delta R.T. -0.018 min
Lab File: BN036300.D
Acq: 05 Feb 2025 16:17

**Instrument :**
BNA_N
**ClientSampleId :**
SLCS454

Tgt Ion:252 Resp: 8843

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 28.5 | 0.0 | 51.2 |
| 125 | 21.1 | 0.0 | 27.8 |

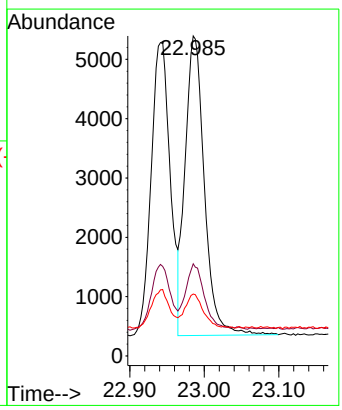


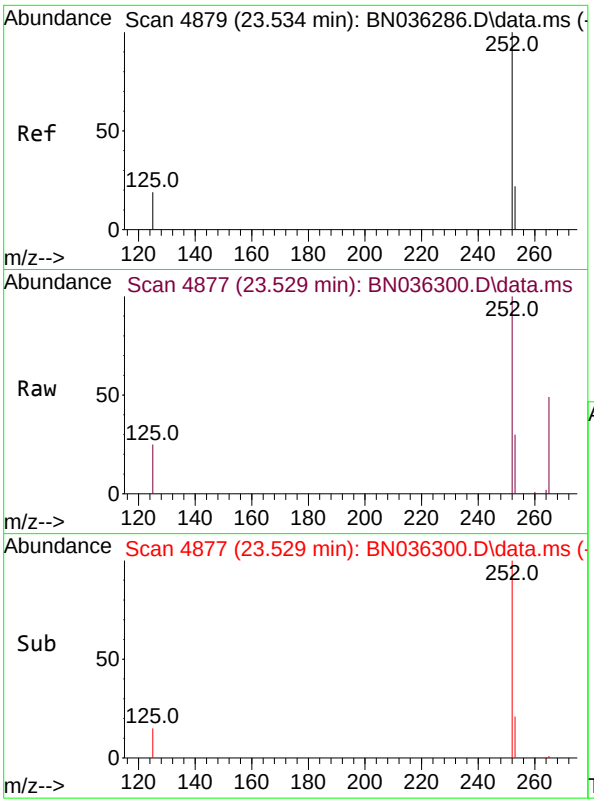




#25
Benzo(k)fluoranthene
Concen: 0.441 ng/ul
RT: 22.985 min Scan# 4691
Delta R.T. -0.023 min
Lab File: BN036300.D
Acq: 05 Feb 2025 16:17

Tgt Ion:252 Resp: 9068

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 28.8 | 20.2 | 30.4 |
| 125 | 19.4 | 10.6 | 16.0# |



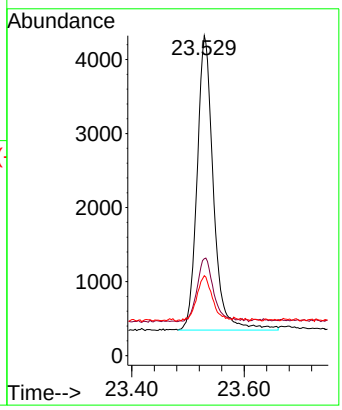


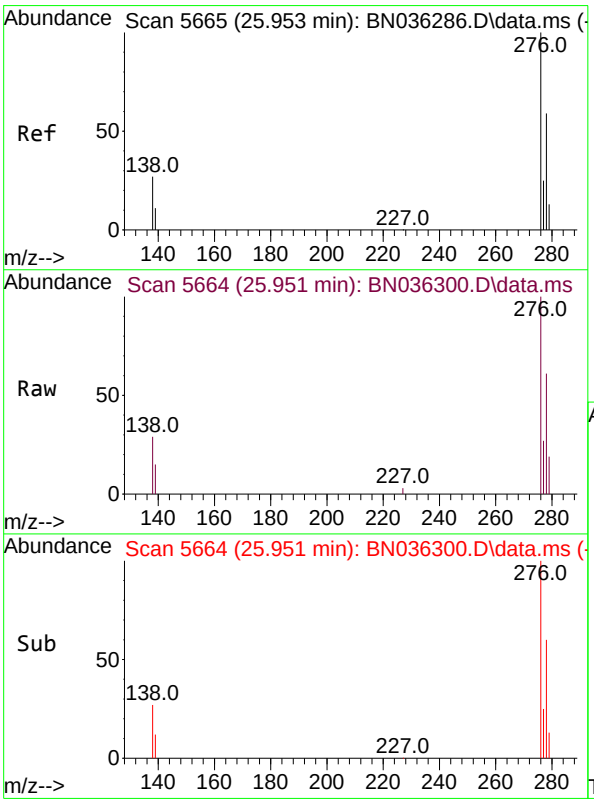

#26
Benzo(a)pyrene
Concen: 0.454 ng/ul
RT: 23.529 min Scan# 4
Delta R.T. -0.026 min
Lab File: BN036300.D
Acq: 05 Feb 2025 16:17

**Instrument :**
BNA_N
**ClientSampleId :**
SLCS454

Tgt Ion:252 Resp: 8027

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 30.3 | 22.2 | 33.4 |
| 125 | 25.0 | 13.1 | 19.7# |

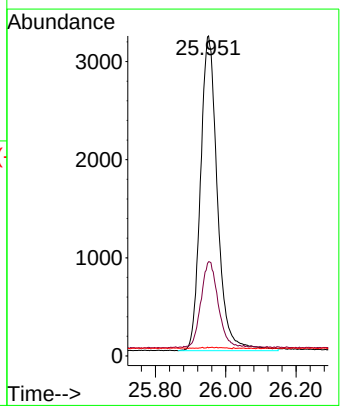


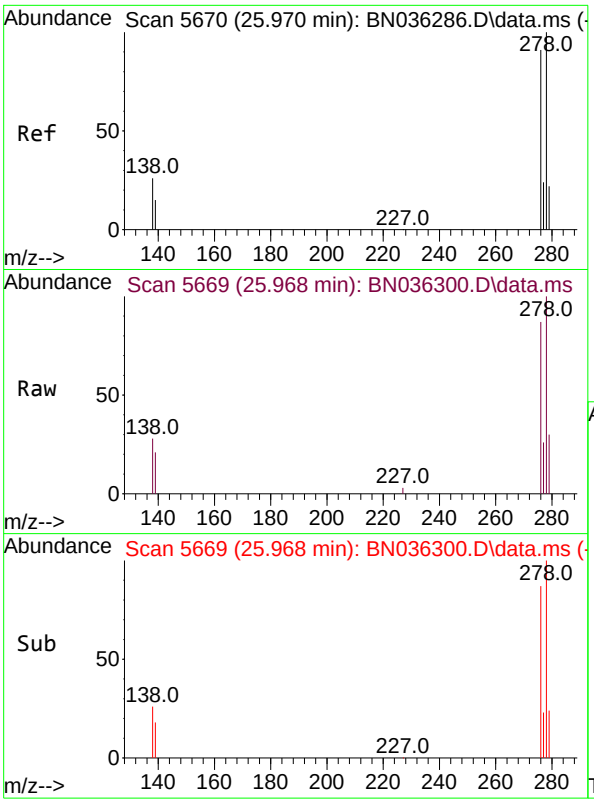




#27
Indeno(1,2,3-cd)pyrene
Concen: 0.460 ng/ul
RT: 25.951 min Scan# 5664
Delta R.T. -0.037 min
Lab File: BN036300.D
Acq: 05 Feb 2025 16:17

Tgt Ion:276 Resp: 10736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 27.5 | 20.2 | 30.4 |
| 227 | 0.0 | 0.1 | 0.1# |



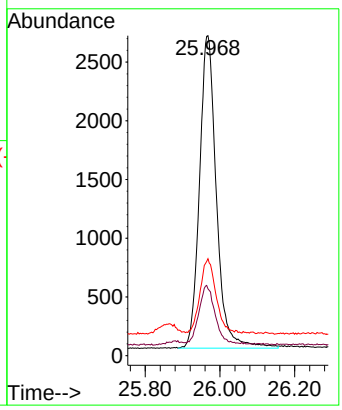


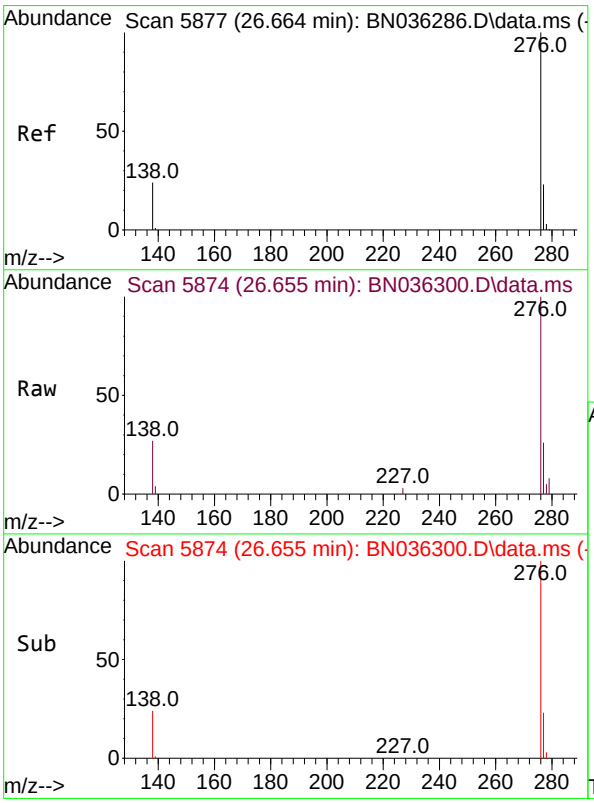

#28
Dibenzo(a,h)anthracene
Concen: 0.464 ng/ul
RT: 25.968 min Scan# 5
Delta R.T. -0.030 min
Lab File: BN036300.D
Acq: 05 Feb 2025 16:17

**Instrument :**
BNA_N
**ClientSampleId :**
SLCS454

Tgt Ion:278 Resp: 8349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 20.9 | 15.4 | 23.2 |
| 279 | 30.3 | 22.2 | 33.4 |




#29
Benzo(g,h,i)perylene
Concen: 0.479 ng/ul
RT: 26.655 min Scan# 5874
Delta R.T. -0.047 min
Lab File: BN036300.D
Acq: 05 Feb 2025 16:17

Tgt Ion:276 Resp: 8699

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 26.5 | 19.4 | 29.0 |
| 277 | 25.6 | 21.1 | 31.7 |