Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081523\
Data File : BN026910.D
Acq On : 15 Aug 2023 21:16
Operator : MA/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
SSTD0.4387

Quant Time: Aug 16 00:55:15 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 : Wed Aug 16 00:50:05 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.110 | 152 | 7885 | 0.400 | ng/ul | 0.00 |
| 4) Naphthalene-d8 | 10.938 | 136 | 26156 | 0.400 | ng/ul | 0.00 |
| 9) Acenaphthene-d10 | 14.740 | 164 | 15790 | 0.400 | ng/ul | 0.00 |
| 13) Phenanthrene-d10 | 17.485 | 188 | 34564 | 0.400 | ng/ul | 0.00 |
| 17) Chrysene-d12 | 21.653 | 240 | 32775 | 0.400 | ng/ul | 0.00 |
| 23) Perylene-d12 | 24.199 | 264 | 33117 | 0.400 | ng/ul | #-0.01 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.443 | 96 | 3339 | 0.357 | ng/ul | 0.00 |
| 6) 2-Methylnaphthalene-d10 | 12.511 | 152 | 16929 | 0.440 | ng/ul | 0.00 |
| 18) Fluoranthene-d10 | 19.497 | 212 | 39593 | 0.383 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.481 | 88 | 3411 | 0.357 | ng/ul# | 88 |
| 5) Naphthalene | 10.988 | 128 | 29057 | 0.393 | ng/ul | 100 |
| 7) 2-Methylnaphthalene | 12.583 | 142 | 19688 | 0.440 | ng/ul | 99 |
| 8) 1-Methylnaphthalene | 12.803 | 142 | 20459 | 0.437 | ng/ul | 100 |
| 10) Acenaphthylene | 14.467 | 152 | 31392 | 0.355 | ng/ul | 99 |
| 11) Acenaphthene | 14.800 | 153 | 22861 | 0.373 | ng/ul | 99 |
| 12) Fluorene | 15.781 | 166 | 25836 | 0.373 | ng/ul | 99 |
| 14) Pentachlorophenol | 17.105 | 266 | 4001 | 0.409 | ng/ul | 100 |
| 15) Phenanthrene | 17.523 | 178 | 41314 | 0.364 | ng/ul | 99 |
| 16) Anthracene | 17.616 | 178 | 39259 | 0.383 | ng/ul | 100 |
| 19) Fluoranthene | 19.529 | 202 | 49908 | 0.367 | ng/ul | 99 |
| 20) Pyrene | 19.892 | 202 | 53115 | 0.366 | ng/ul | 99 |
| 21) Benzo(a)anthracene | 21.635 | 228 | 50714 | 0.389 | ng/ul | 99 |
| 22) Chrysene | 21.691 | 228 | 49039 | 0.381 | ng/ul | 99 |
| 24) Benzo(b)fluoranthene | 23.410 | 252 | 51653 | 0.412 | ng/ul | 95 |
| 25) Benzo(k)fluoranthene | 23.459 | 252 | 50436 | 0.408 | ng/ul# | 93 |
| 26) Benzo(a)pyrene | 24.085 | 252 | 43425 | 0.384 | ng/ul# | 92 |
| 27) Indeno(1,2,3-cd)pyrene | 26.894 | 276 | 50312 | 0.340 | ng/ul# | 100 |
| 28) Dibenzo(a,h)anthracene | 26.928 | 278 | 40413 | 0.343 | ng/ul | 95 |
| 29) Benzo(g,h,i)perylene | 27.733 | 276 | 40868 | 0.332 | ng/ul | 95 |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081523\
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Operator : MA/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
SSTD0.4387

Quant Time: Aug 16 00:55:15 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 : Wed Aug 16 00:50:05 2023
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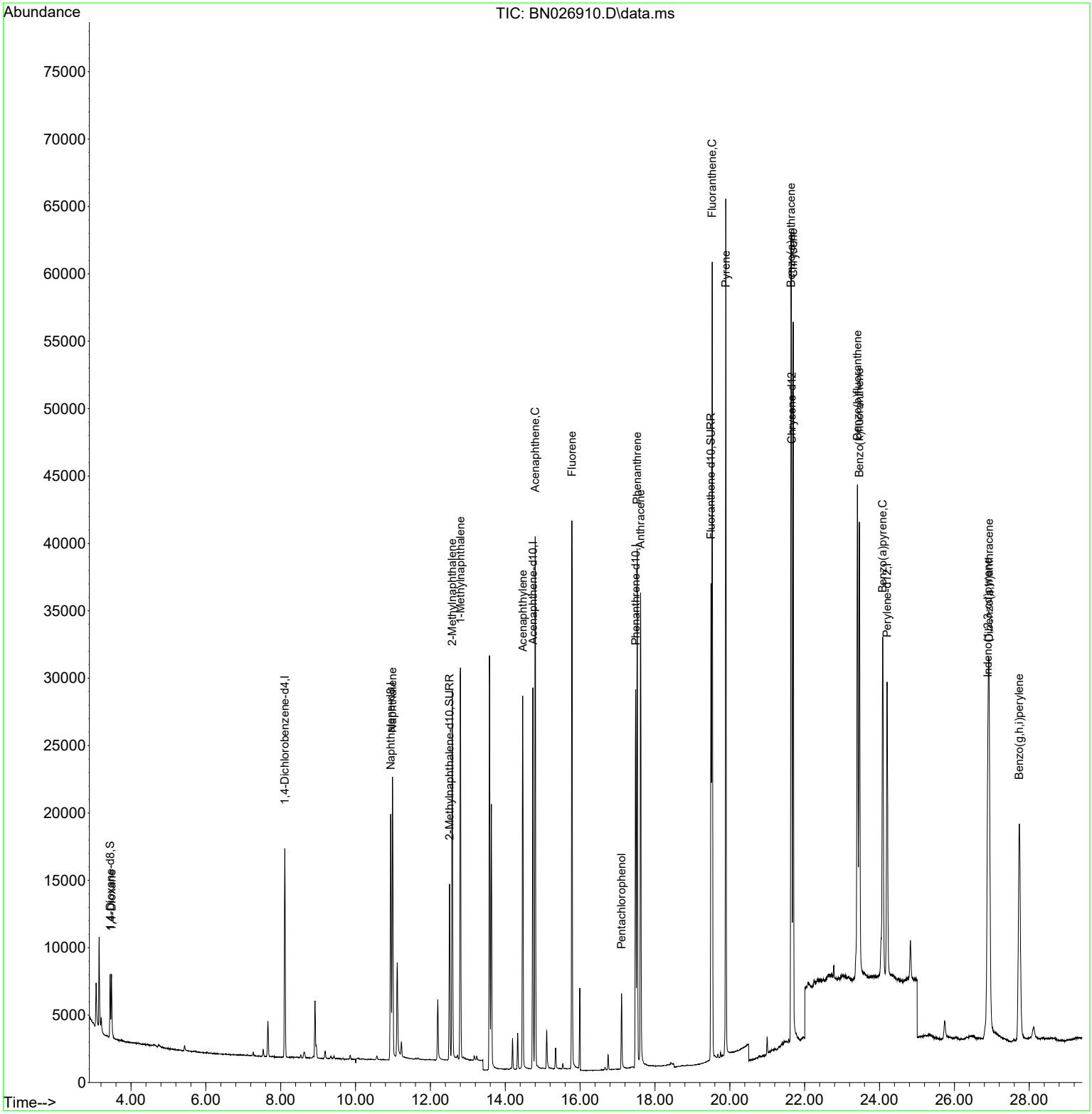
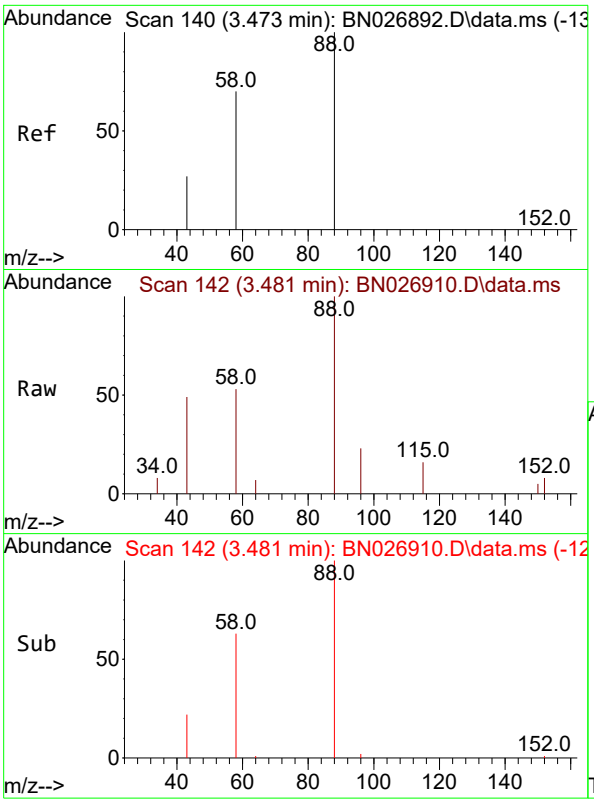


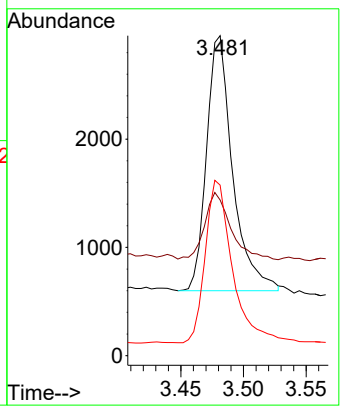


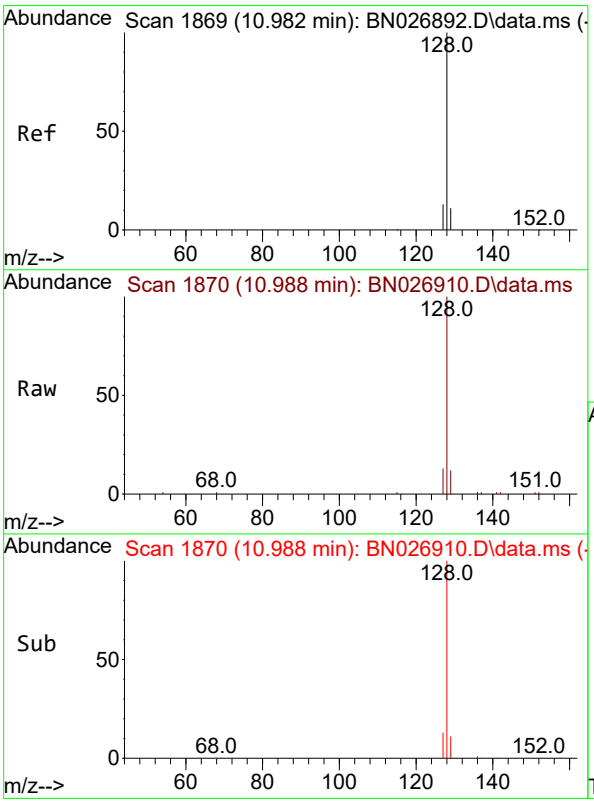

#2
1,4-Dioxane
Concen: 0.357 ng/ul
RT: 3.481 min Scan# 14
Delta R.T. 0.008 min
Lab File: BN026910.D
Acq: 15 Aug 2023 21:16

**Instrument :**
BNA_N
**ClientSampleId :**
SSTD0.4387

Tgt Ion: 88 Resp: 3411

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 48.6 | 28.0 | 42.0# |
| 58 | 53.3 | 46.0 | 69.0 |

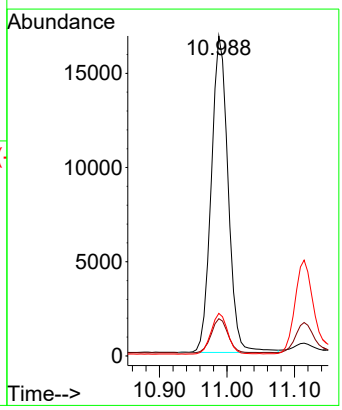


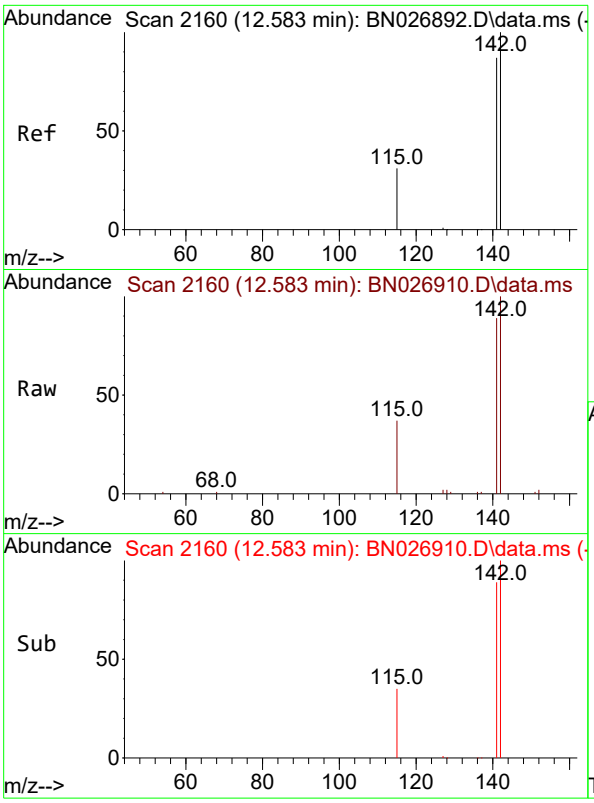




#5
Naphthalene
Concen: 0.393 ng/ul
RT: 10.988 min Scan# 1870
Delta R.T. 0.006 min
Lab File: BN026910.D
Acq: 15 Aug 2023 21:16

Tgt Ion:128 Resp: 29057

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.7 | 9.2 | 13.8 |
| 127 | 13.3 | 10.5 | 15.7 |



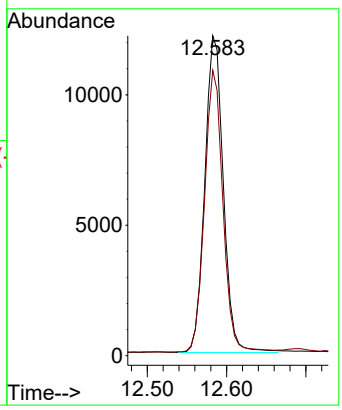


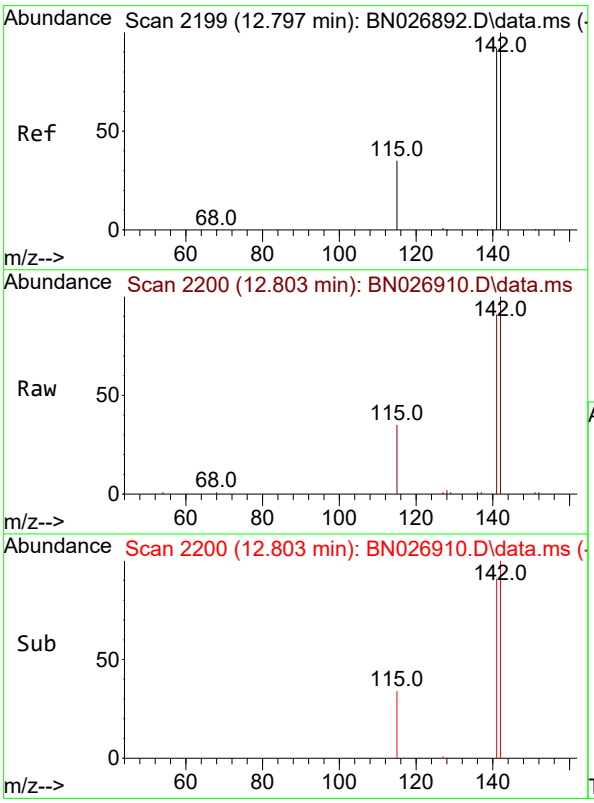

#7
2-Methylnaphthalene
Concen: 0.440 ng/ul
RT: 12.583 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN026910.D
Acq: 15 Aug 2023 21:16

**Instrument :**
BNA_N
**ClientSampleId :**
SSTD0.4387

Tgt Ion:142 Resp: 19688

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.1 | 70.9 | 106.3 |

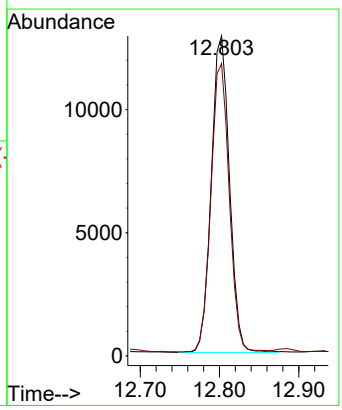


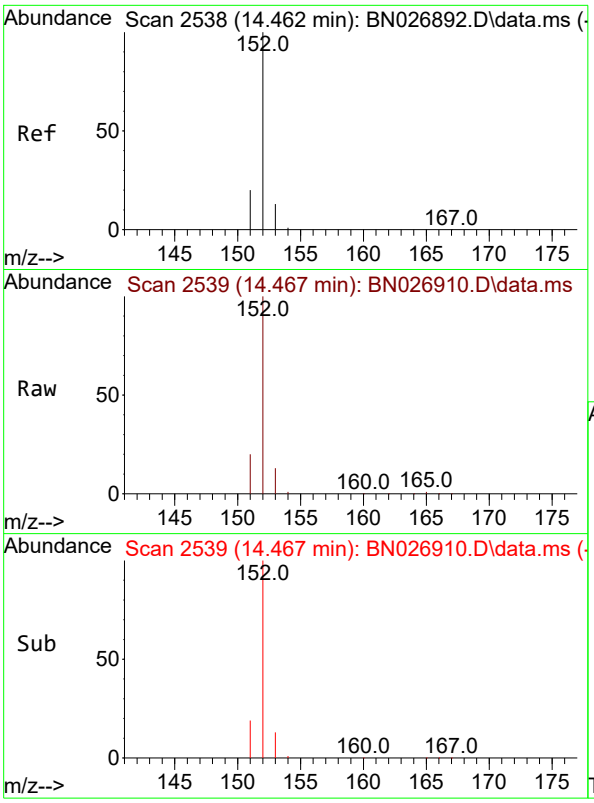




#8
1-Methylnaphthalene
Concen: 0.437 ng/ul
RT: 12.803 min Scan# 2200
Delta R.T. 0.006 min
Lab File: BN026910.D
Acq: 15 Aug 2023 21:16

Tgt Ion:142 Resp: 20459

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.4 | 73.2 | 109.8 |



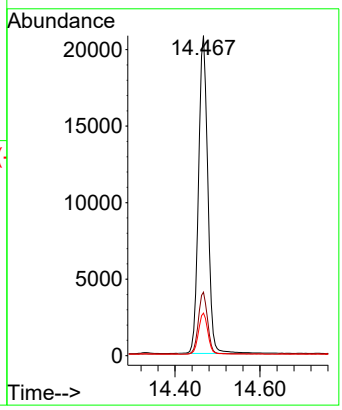


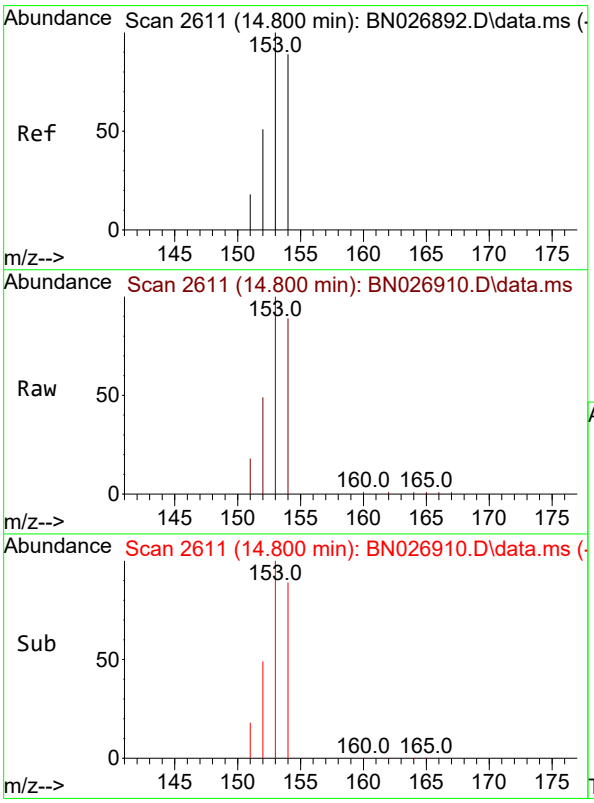

#10
Acenaphthylene
Concen: 0.355 ng/ul
RT: 14.467 min Scan# 2
Delta R.T. 0.005 min
Lab File: BN026910.D
Acq: 15 Aug 2023 21:16

**Instrument :**
BNA_N
**ClientSampleId :**
SSTD0.4387

Tgt Ion:152 Resp: 31392

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.8 | 15.9 | 23.9 |
| 153 | 13.3 | 11.0 | 16.6 |

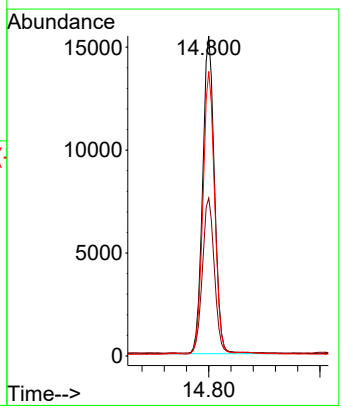


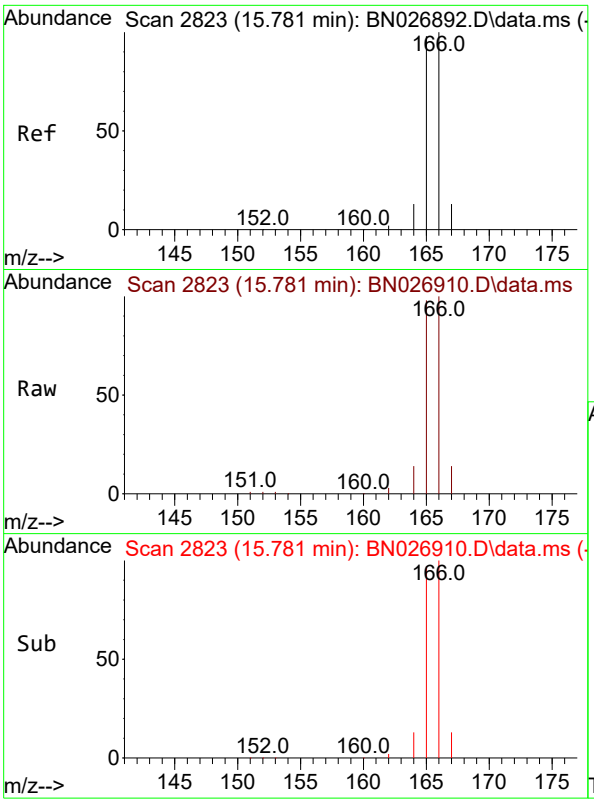




#11
Acenaphthene
Concen: 0.373 ng/ul
RT: 14.800 min Scan# 2611
Delta R.T. 0.000 min
Lab File: BN026910.D
Acq: 15 Aug 2023 21:16

Tgt Ion:153 Resp: 22861

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 49.4 | 41.1 | 61.7 |
| 154 | 88.9 | 71.6 | 107.4 |



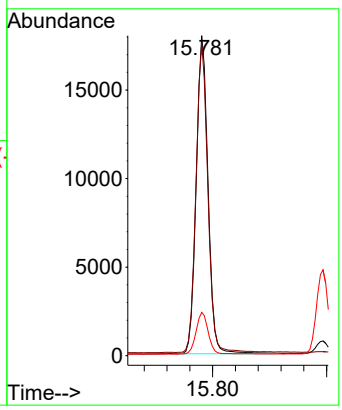


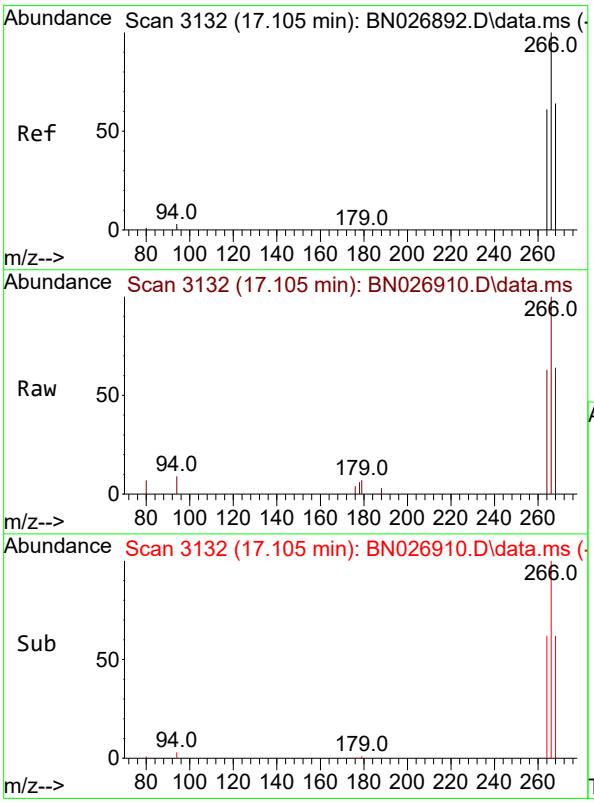

#12
Fluorene
Concen: 0.373 ng/ul
RT: 15.781 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN026910.D
Acq: 15 Aug 2023 21:16

**Instrument :**
BNA_N
**ClientSampleId :**
SSTD0.4387

Tgt Ion:166 Resp: 25836

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.7 | 79.1 | 118.7 |
| 167 | 13.5 | 11.4 | 17.0 |

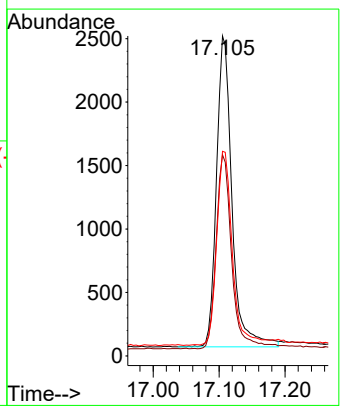


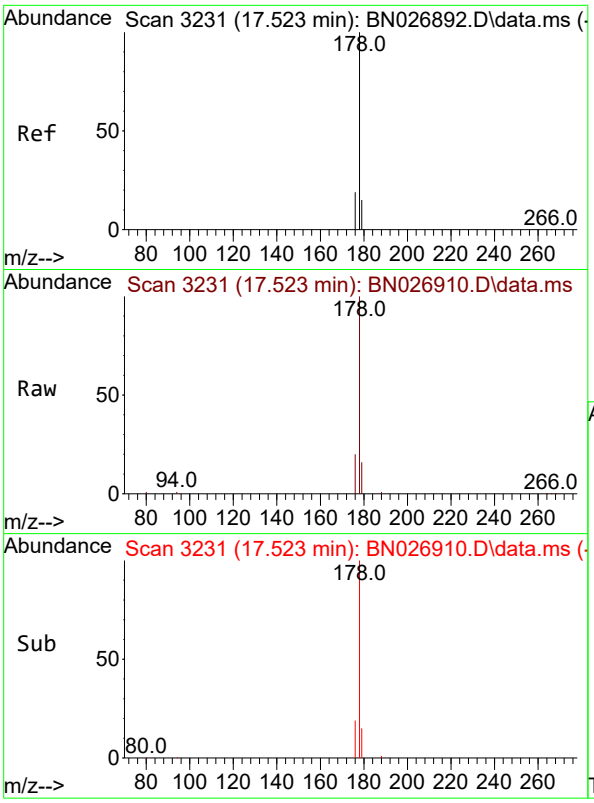




#14
Pentachlorophenol
Concen: 0.409 ng/ul
RT: 17.105 min Scan# 3132
Delta R.T. 0.000 min
Lab File: BN026910.D
Acq: 15 Aug 2023 21:16

Tgt Ion:266 Resp: 4001

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 62.8 | 50.4 | 75.6 |
| 268 | 64.4 | 51.2 | 76.8 |



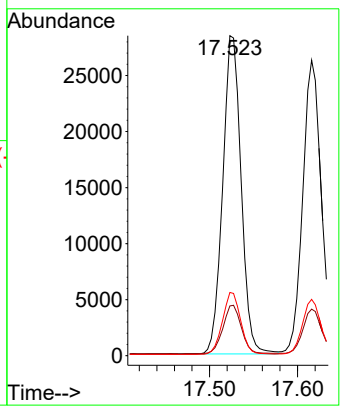


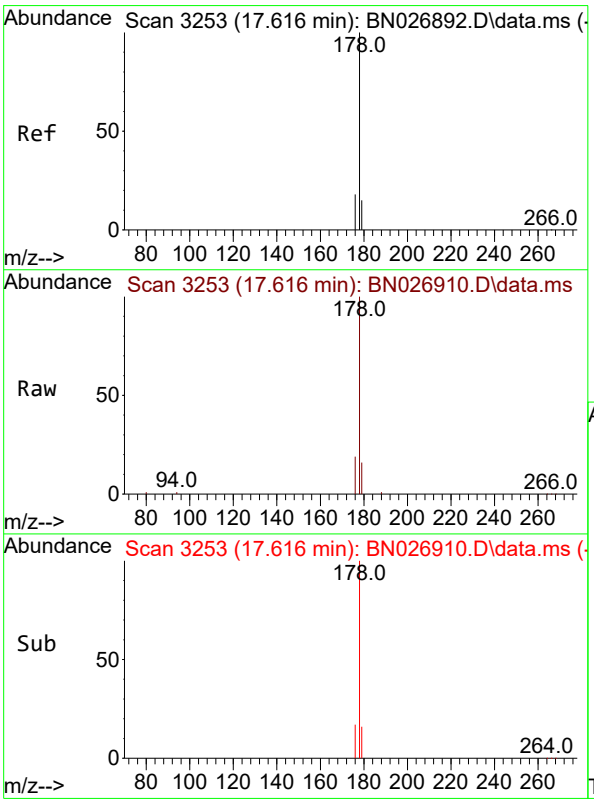

#15
Phenanthrene
Concen: 0.364 ng/ul
RT: 17.523 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN026910.D
Acq: 15 Aug 2023 21:16

**Instrument :**
BNA_N
**ClientSampleId :**
SSTD0.4387

Tgt Ion:178 Resp: 41314

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.5 | 12.6 | 18.8 |
| 176 | 19.7 | 15.4 | 23.2 |

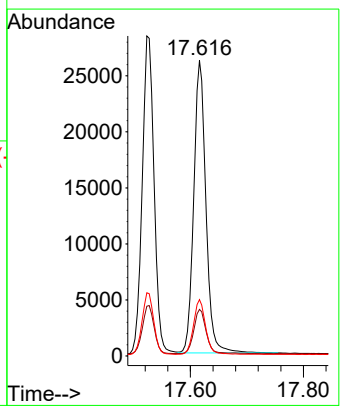


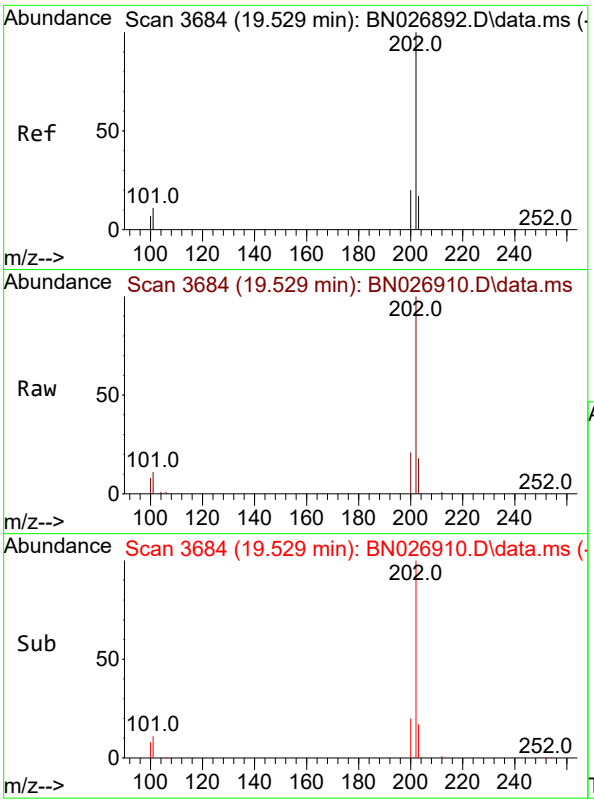




#16
Anthracene
Concen: 0.383 ng/ul
RT: 17.616 min Scan# 3253
Delta R.T. 0.000 min
Lab File: BN026910.D
Acq: 15 Aug 2023 21:16

Tgt Ion:178 Resp: 39259

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.8 | 12.6 | 19.0 |
| 176 | 19.1 | 15.0 | 22.6 |



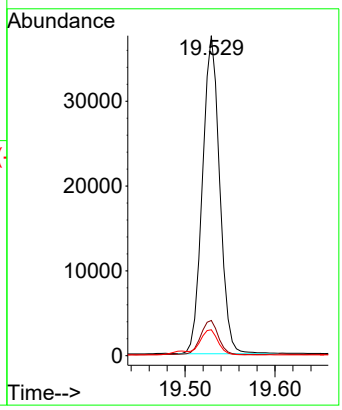


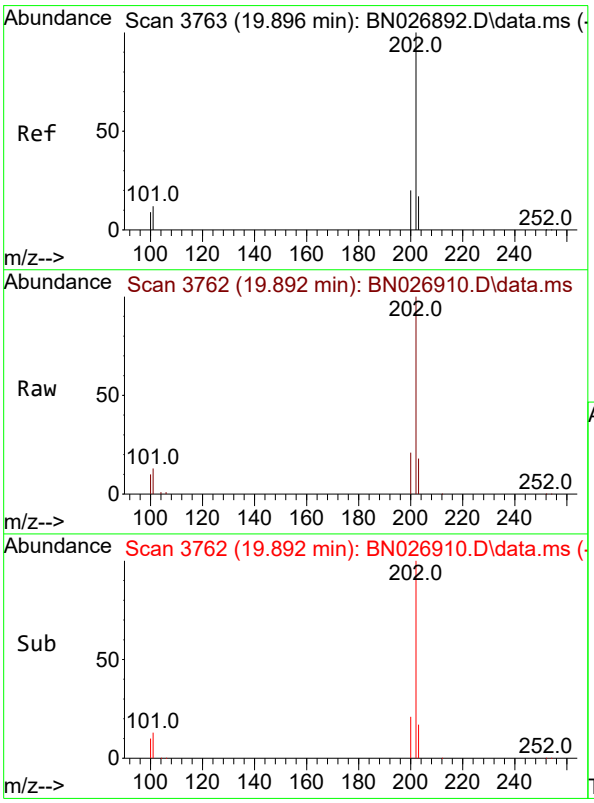

#19
Fluoranthene
Concen: 0.367 ng/ul
RT: 19.529 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN026910.D
Acq: 15 Aug 2023 21:16

**Instrument :**
BNA_N
**ClientSampleId :**
SSTD0.4387

Tgt Ion:202 Resp: 49908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.0 | 8.3 | 12.5 |
| 100 | 8.1 | 6.2 | 9.2 |

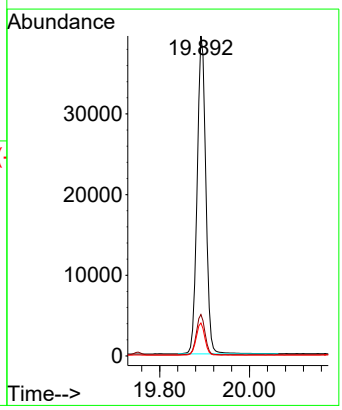


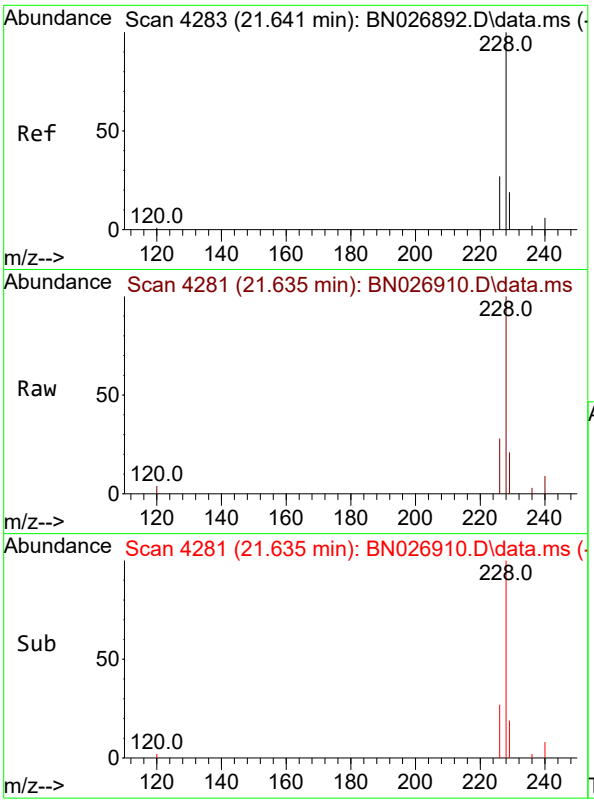




#20
Pyrene
Concen: 0.366 ng/ul
RT: 19.892 min Scan# 3762
Delta R.T. -0.005 min
Lab File: BN026910.D
Acq: 15 Aug 2023 21:16

Tgt Ion:202 Resp: 53115

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.0 | 10.7 | 16.1 |
| 100 | 10.3 | 8.5 | 12.7 |



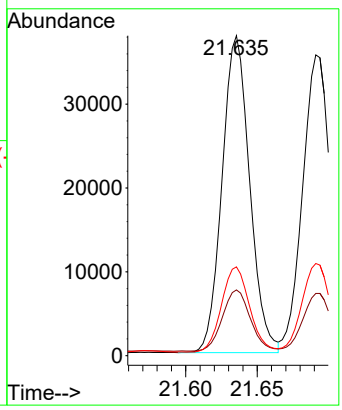


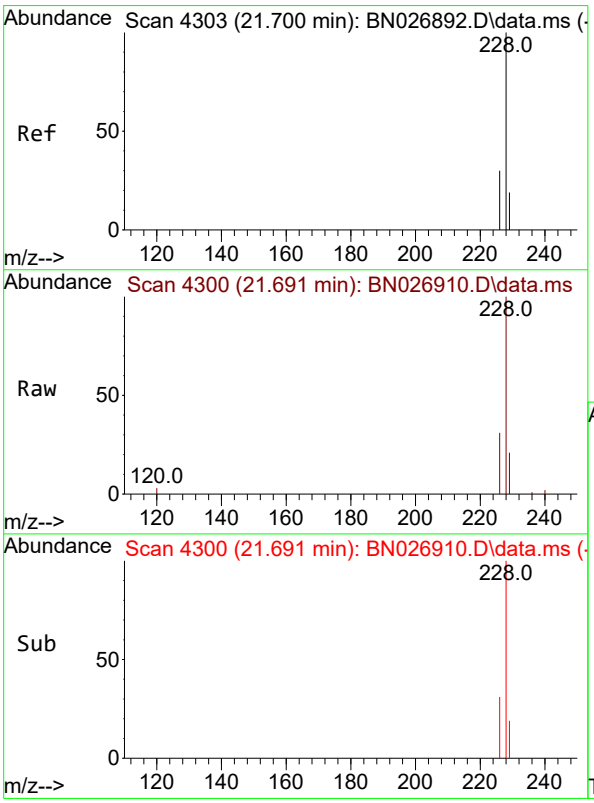

#21
Benzo(a)anthracene
Concen: 0.389 ng/ul
RT: 21.635 min Scan# 4
Delta R.T. -0.006 min
Lab File: BN026910.D
Acq: 15 Aug 2023 21:16

**Instrument :**
BNA_N
**ClientSampleId :**
SSTD0.4387

Tgt Ion:228 Resp: 50714

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 20.6 | 16.0 | 24.0 |
| 226 | 27.8 | 22.2 | 33.2 |

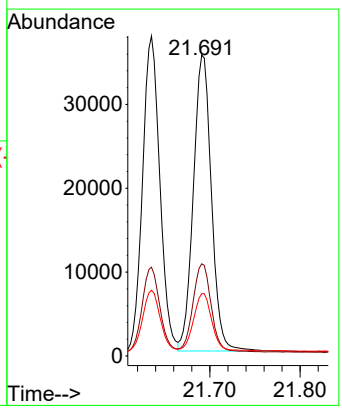


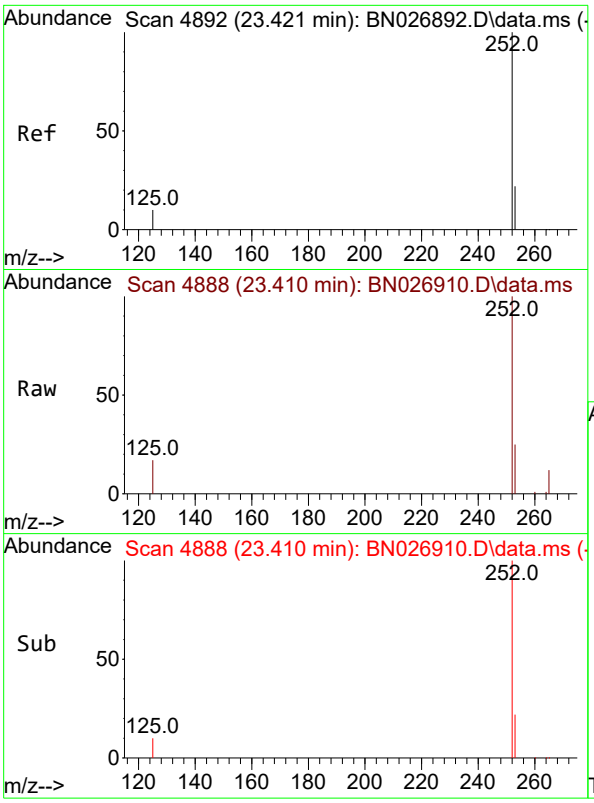




#22
Chrysene
Concen: 0.381 ng/ul
RT: 21.691 min Scan# 4300
Delta R.T. -0.009 min
Lab File: BN026910.D
Acq: 15 Aug 2023 21:16

Tgt Ion:228 Resp: 49039

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.6 | 24.6 | 36.8 |
| 229 | 20.7 | 15.8 | 23.6 |



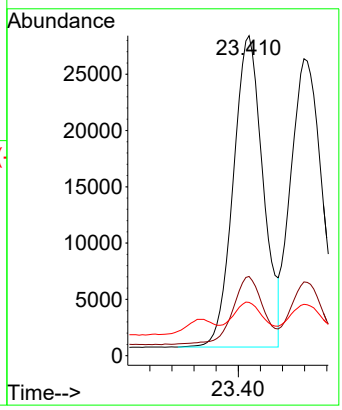


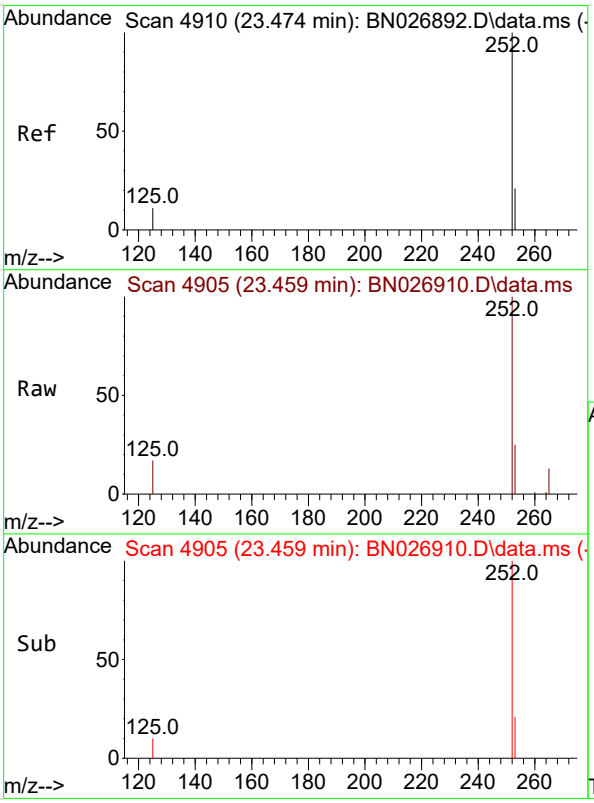

#24
Benzo(b)fluoranthene
Concen: 0.412 ng/ul
RT: 23.410 min Scan# 4
Delta R.T. -0.012 min
Lab File: BN026910.D
Acq: 15 Aug 2023 21:16

**Instrument :**
BNA_N
**ClientSampleId :**
SSTD0.4387

Tgt Ion:252 Resp: 51653

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.8 | 0.0 | 46.8 |
| 125 | 16.7 | 0.0 | 25.2 |

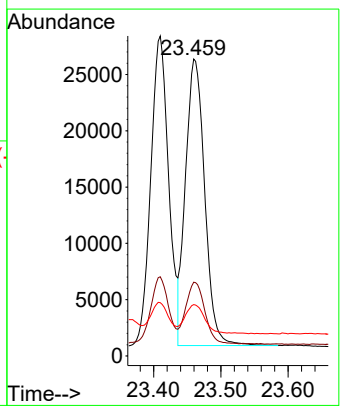


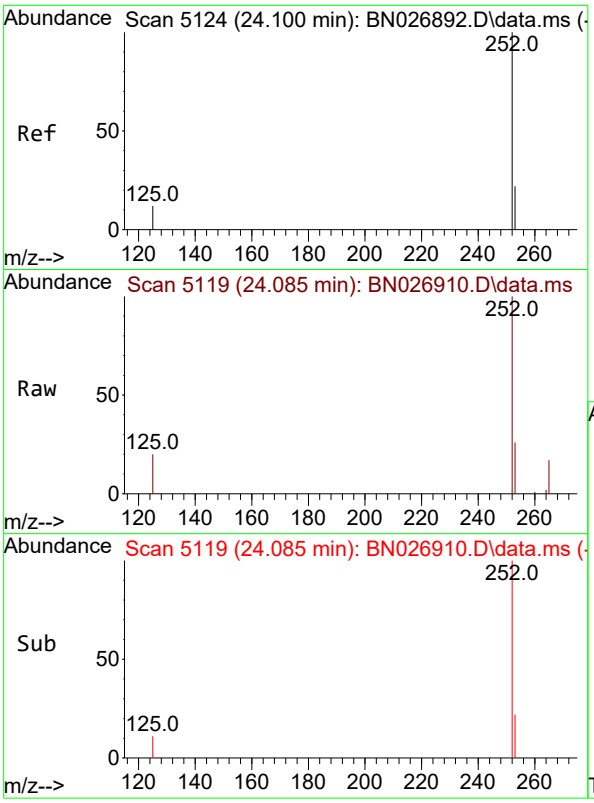




#25
Benzo(k)fluoranthene
Concen: 0.408 ng/ul
RT: 23.459 min Scan# 4905
Delta R.T. -0.015 min
Lab File: BN026910.D
Acq: 15 Aug 2023 21:16

Tgt Ion:252 Resp: 50436

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.8 | 18.2 | 27.4 |
| 125 | 17.3 | 9.9 | 14.9# |



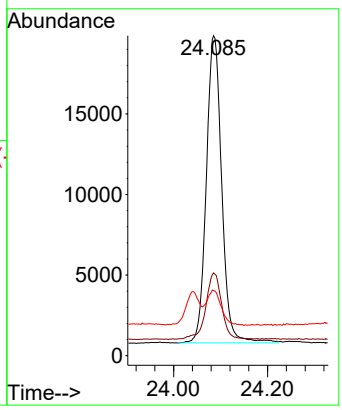


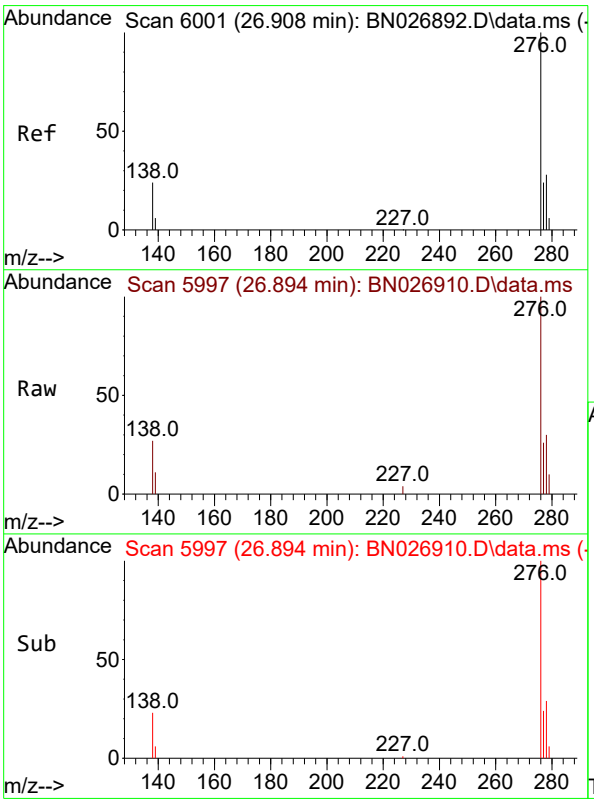

#26
Benzo(a)pyrene
Concen: 0.384 ng/ul
RT: 24.085 min Scan# 5
Delta R.T. -0.015 min
Lab File: BN026910.D
Acq: 15 Aug 2023 21:16

**Instrument :**
BNA_N
**ClientSampleId :**
SSTD0.4387

Tgt Ion:252 Resp: 43425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.9 | 19.0 | 28.6 |
| 125 | 20.3 | 11.4 | 17.0# |

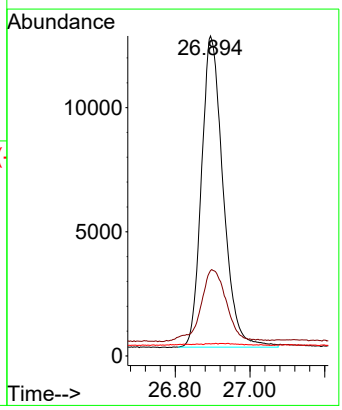


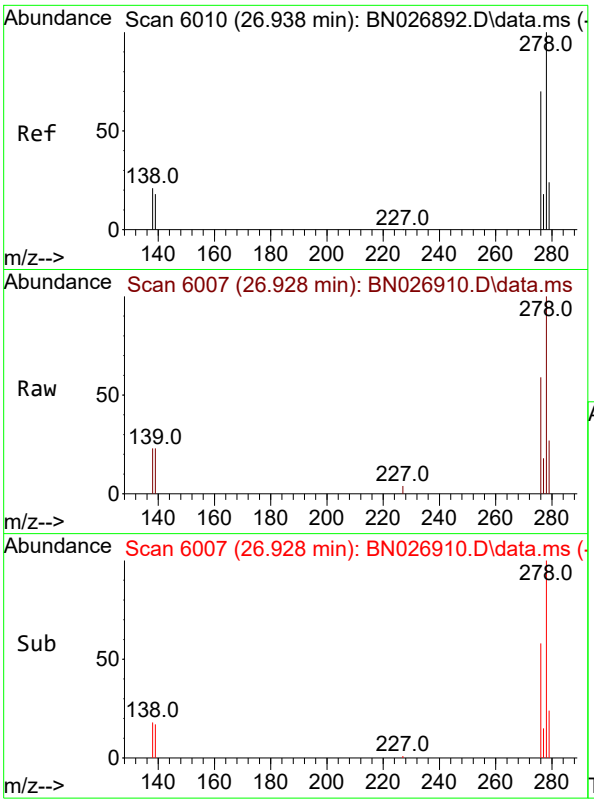




#27
Indeno(1,2,3-cd)pyrene
Concen: 0.340 ng/ul
RT: 26.894 min Scan# 5997
Delta R.T. -0.013 min
Lab File: BN026910.D
Acq: 15 Aug 2023 21:16

Tgt Ion:276 Resp: 50312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 26.9 | 21.6 | 32.4 |
| 227 | 0.3 | 0.0 | 0.0# |



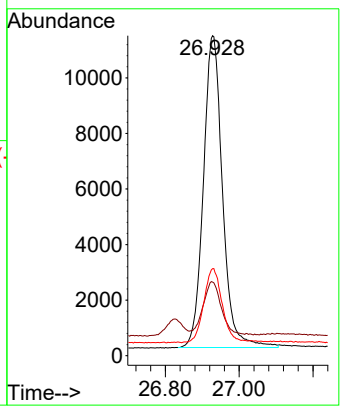


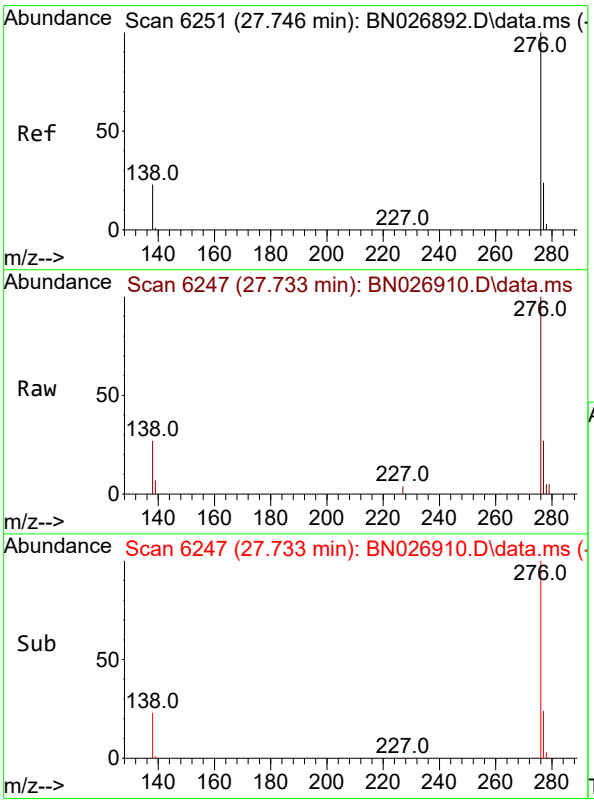

#28
Dibenzo(a,h)anthracene
Concen: 0.343 ng/ul
RT: 26.928 min Scan# 6
Delta R.T. -0.010 min
Lab File: BN026910.D
Acq: 15 Aug 2023 21:16

**Instrument :**
BNA_N
**ClientSampleId :**
SSTD0.4387

Tgt Ion:278 Resp: 40413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 23.0 | 15.7 | 23.5 |
| 279 | 27.2 | 20.2 | 30.4 |




#29
Benzo(g,h,i)perylene
Concen: 0.332 ng/ul
RT: 27.733 min Scan# 6247
Delta R.T. -0.013 min
Lab File: BN026910.D
Acq: 15 Aug 2023 21:16

Tgt Ion:276 Resp: 40868

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 27.0 | 19.3 | 28.9 |
| 277 | 26.6 | 19.8 | 29.8 |