Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062923\
Data File : BN026068.D
Acq On : 28 Jun 2023 21:06
Operator : MA/JU
Sample : 03142-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
DCFS7

Quant Time: Jun 28 23:16:26 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN062223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 28 22:47:20 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.967 | 152 | 7858 | 0.400 | ng/ul | 0.00 |
| 4) Naphthalene-d8 | 10.781 | 136 | 25528 | 0.400 | ng/ul | 0.00 |
| 9) Acenaphthene-d10 | 14.607 | 164 | 15627 | 0.400 | ng/ul | 0.00 |
| 13) Phenanthrene-d10 | 17.351 | 188 | 32159 | 0.400 | ng/ul | 0.00 |
| 17) Chrysene-d12 | 21.543 | 240 | 17332 | 0.400 | ng/ul | 0.00 |
| 23) Perylene-d12 | 23.996 | 264 | 15788 | 0.400 | ng/ul | -0.01 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.327 | 96 | 19892 | 2.248 | ng/ul | 0.00 |
| 6) 2-Methylnaphthalene-d10 | 12.365 | 152 | 6242 | 0.159 | ng/ul | 0.00 |
| 18) Fluoranthene-d10 | 19.377 | 212 | 12296 | 0.186 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 5) Naphthalene | 10.831 | 128 | 79421 | 1.086 | ng/ul | 99 |
| 7) 2-Methylnaphthalene | 12.442 | 142 | 30575 | 0.656 | ng/ul | 100 |
| 8) 1-Methylnaphthalene | 12.656 | 142 | 24035 | 0.498 | ng/ul | 100 |
| 10) Acenaphthylene | 14.330 | 152 | 26588 | 0.363 | ng/ul | 97 |
| 11) Acenaphthene | 14.667 | 153 | 79797 | 1.333 | ng/ul | 99 |
| 12) Fluorene | 15.653 | 166 | 68534 | 0.999 | ng/ul | 99 |
| 15) Phenanthrene | 17.393 | 178 | 1092114 | 10.281 | ng/ul | 99 |
| 16) Anthracene | 17.486 | 178 | 195832 | 2.074 | ng/ul | 100 |
| 19) Fluoranthene | 19.410 | 202 | 1607369 | 17.363 | ng/ul | 97 |
| 20) Pyrene | 19.772 | 202 | 1248475 | 12.966 | ng/ul | 96 |
| 21) Benzo(a)anthracene | 21.523 | 228 | 533791 | 7.466 | ng/ul | 99 |
| 22) Chrysene | 21.578 | 228 | 583116 | 7.838 | ng/ul | 98 |
| 24) Benzo(b)fluoranthene | 23.247 | 252 | 1024951 | 15.210 | ng/ul | 88 |
| 26) Benzo(a)pyrene | 23.888 | 252 | 464025 | 7.928 | ng/ul# | 82 |
| 27) Indeno(1,2,3-cd)pyrene | 26.551 | 276 | 366139 | 5.727 | ng/ul# | 87 |
| 28) Dibenzo(a,h)anthracene | 26.557 | 278 | 90199 | 1.864 | ng/ul# | 90 |
| 29) Benzo(g,h,i)perylene | 27.342 | 276 | 362077 | 6.367 | ng/ul | 94 |

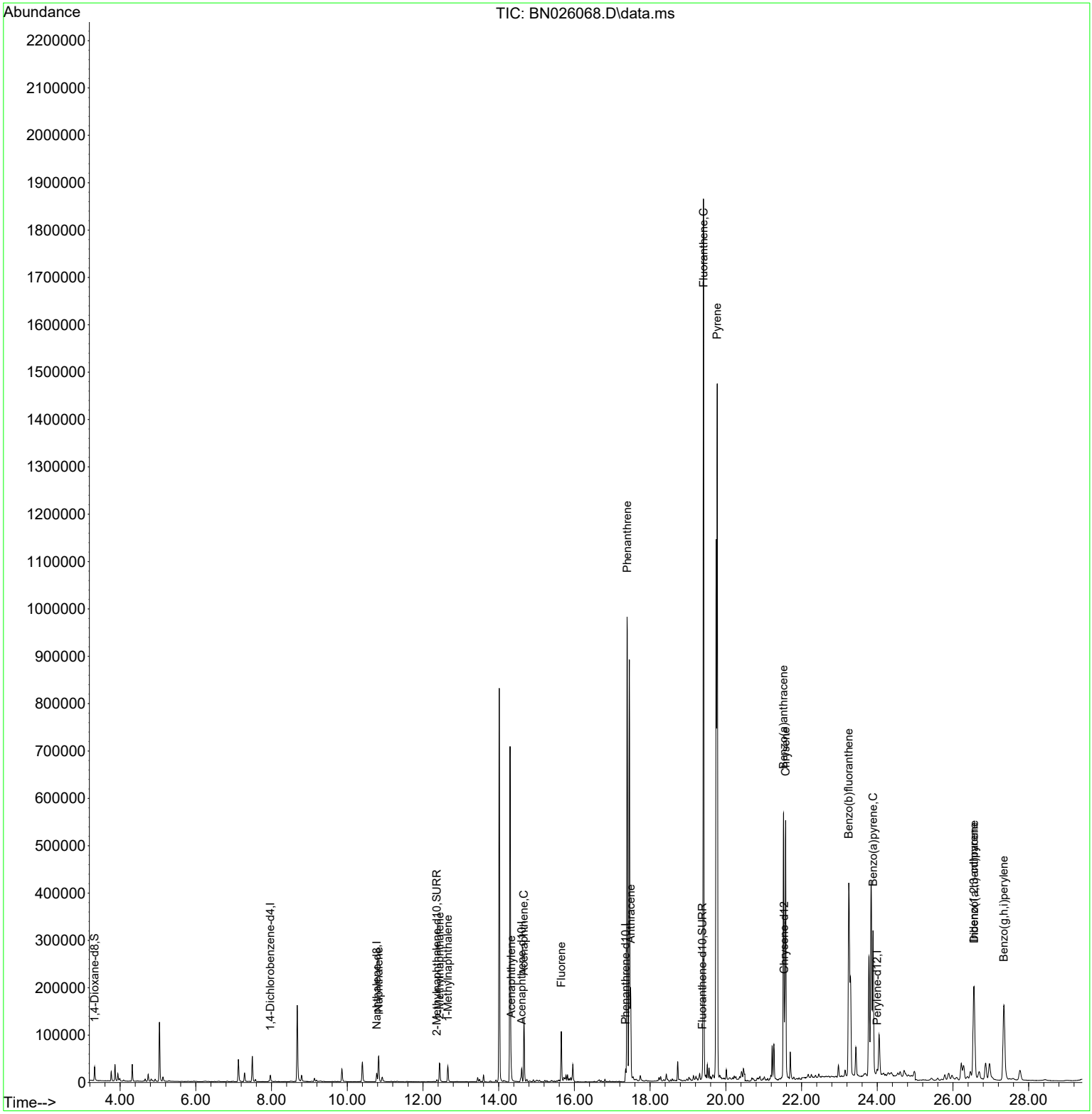
(#) = qualifier out of range (m) = manual integration (+) = signals summed

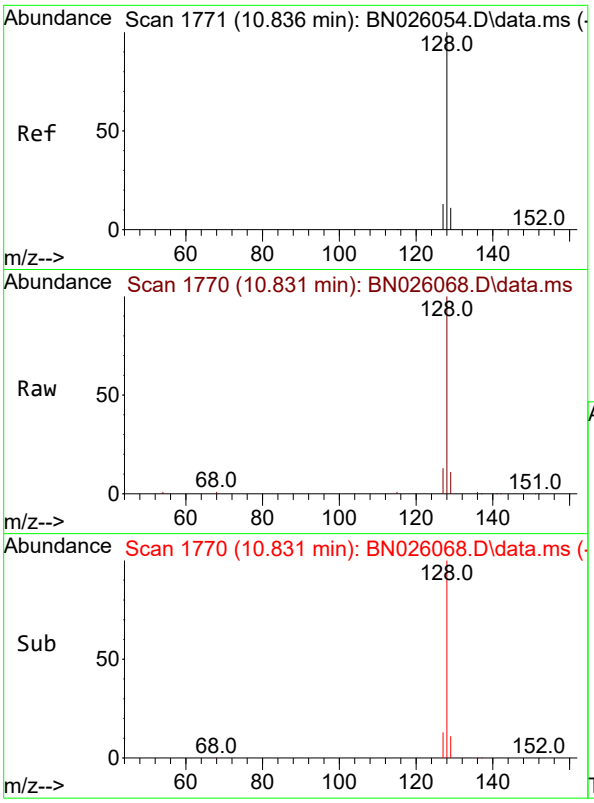
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062923\
Data File : BN026068.D
Acq On : 28 Jun 2023 21:06
Operator : MA/JU
Sample : 03142-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
DCFS7

Quant Time: Jun 28 23:16:26 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN062223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 28 22:47:20 2023
Response via : Initial Calibration



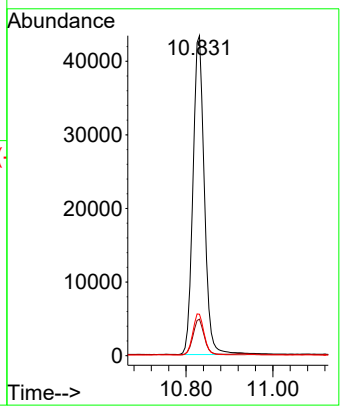


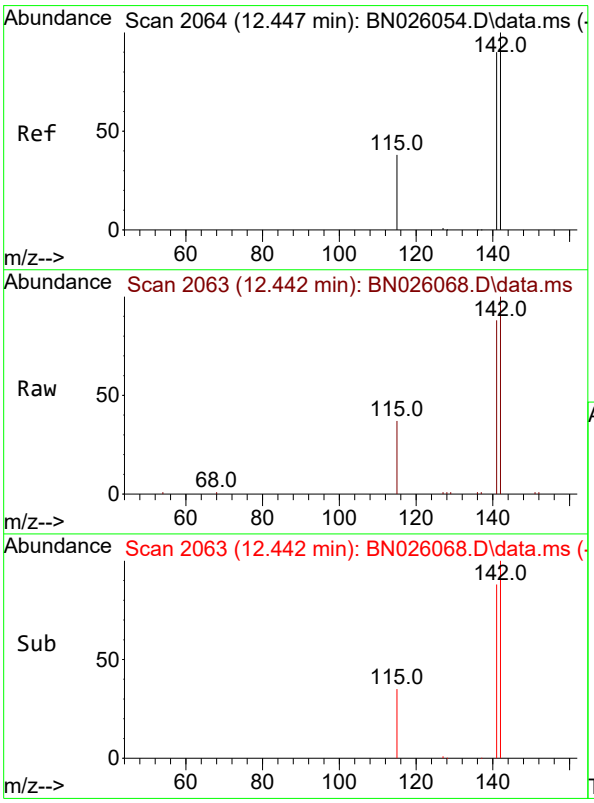

#5
Naphthalene
Concen: 1.086 ng/ul
RT: 10.831 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN026068.D
Acq: 28 Jun 2023 21:06

**Instrument :**
BNA_N
**ClientSampleId :**
DCFS7

Tgt Ion:128 Resp: 79421

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.4 | 9.1 | 13.7 |
| 127 | 13.0 | 10.7 | 16.1 |

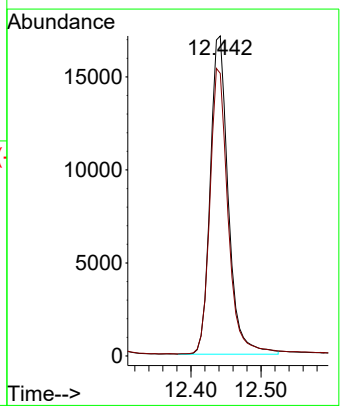


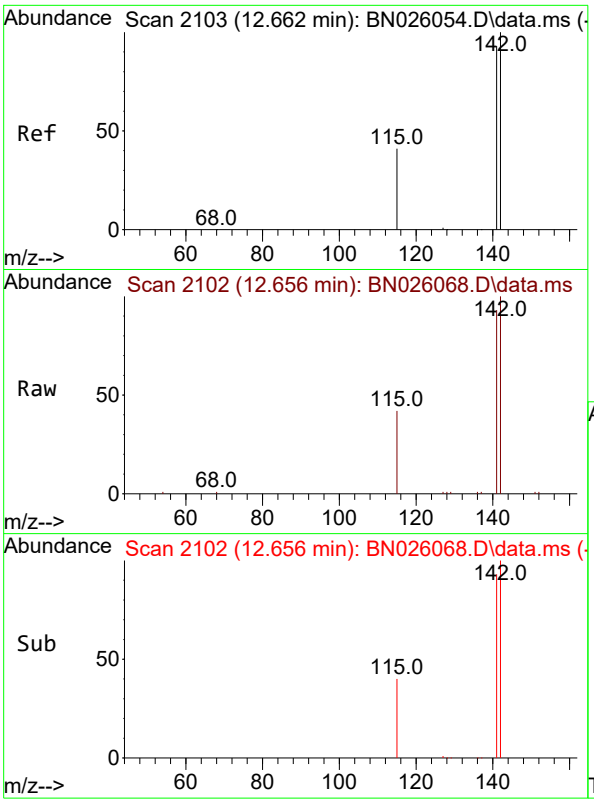




#7
2-Methylnaphthalene
Concen: 0.656 ng/ul
RT: 12.442 min Scan# 2063
Delta R.T. -0.005 min
Lab File: BN026068.D
Acq: 28 Jun 2023 21:06

Tgt Ion:142 Resp: 30575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.0 | 71.9 | 107.9 |



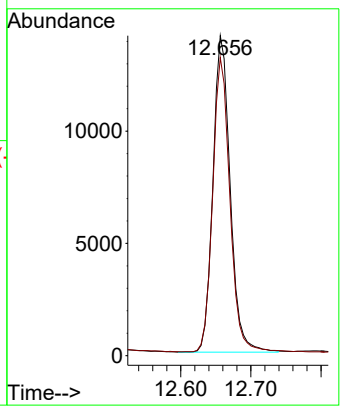


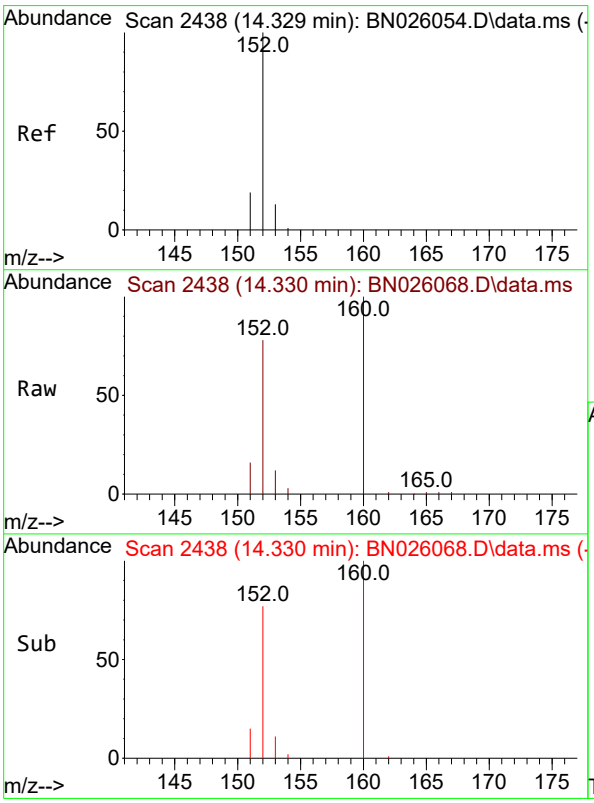

#8
1-Methylnaphthalene
Concen: 0.498 ng/ul
RT: 12.656 min Scan# 21
Delta R.T. -0.005 min
Lab File: BN026068.D
Acq: 28 Jun 2023 21:06

**Instrument :**
BNA_N
**ClientSampleId :**
DCFS7

Tgt Ion:142 Resp: 24035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.4 | 74.2 | 111.4 |

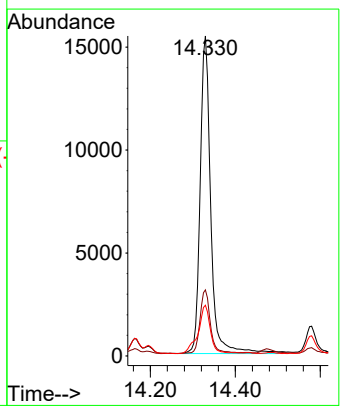


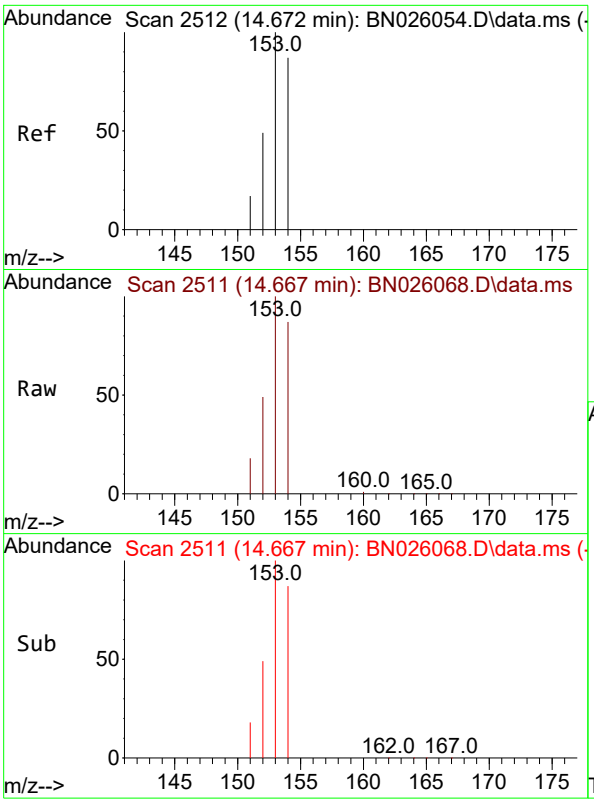




#10
Acenaphthylene
Concen: 0.363 ng/ul
RT: 14.330 min Scan# 2438
Delta R.T. 0.000 min
Lab File: BN026068.D
Acq: 28 Jun 2023 21:06

Tgt Ion:152 Resp: 26588

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.6 | 16.2 | 24.4 |
| 153 | 15.9 | 10.9 | 16.3 |



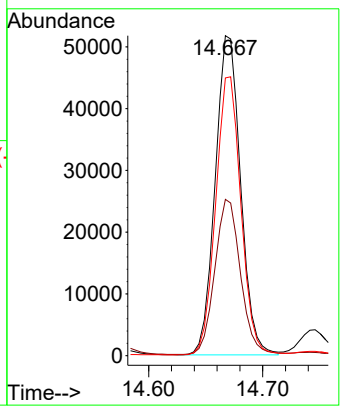


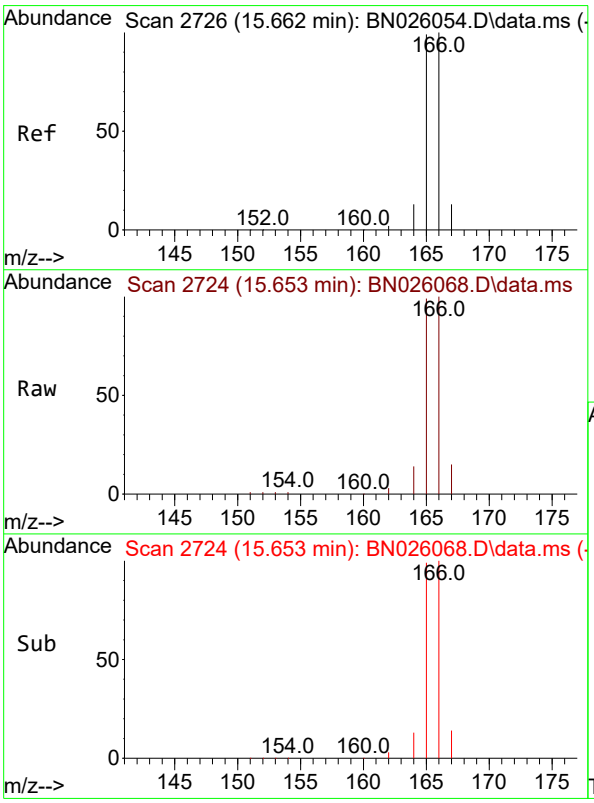

#11
Acenaphthene
Concen: 1.333 ng/ul
RT: 14.667 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN026068.D
Acq: 28 Jun 2023 21:06

**Instrument :**
BNA_N
**ClientSampleId :**
DCFS7

Tgt Ion:153 Resp: 79797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 48.8 | 39.4 | 59.0 |
| 154 | 86.8 | 68.9 | 103.3 |

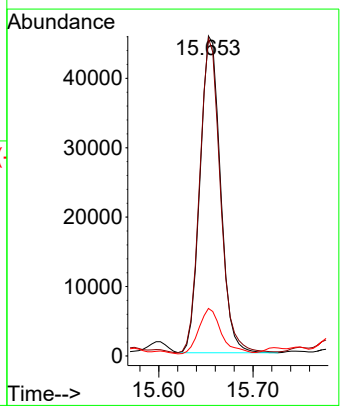


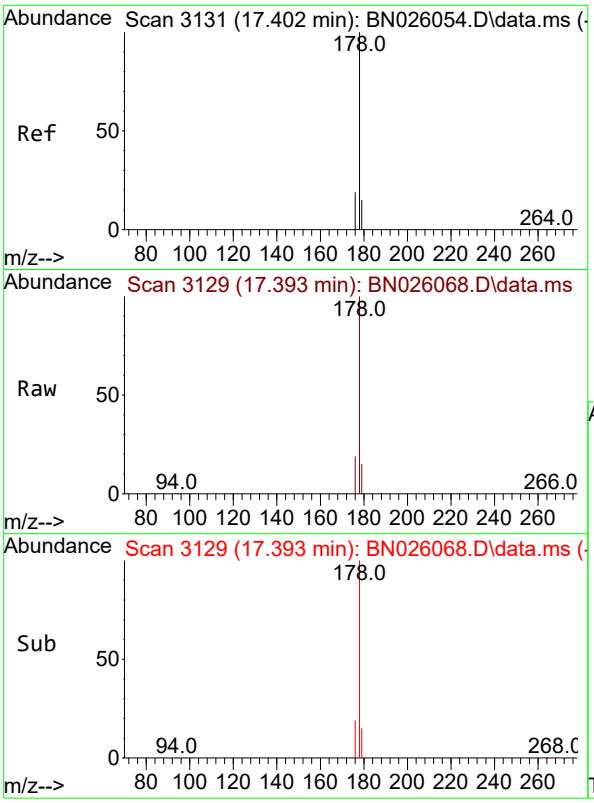




#12
Fluorene
Concen: 0.999 ng/ul
RT: 15.653 min Scan# 2724
Delta R.T. -0.009 min
Lab File: BN026068.D
Acq: 28 Jun 2023 21:06

Tgt Ion:166 Resp: 68534

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 99.3 | 79.9 | 119.9 |
| 167 | 14.8 | 10.8 | 16.2 |



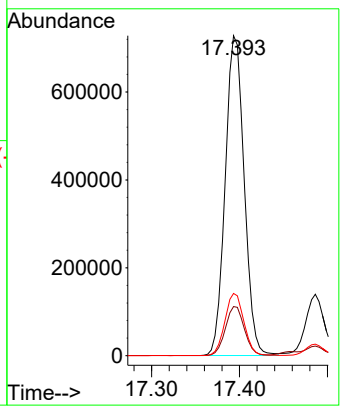


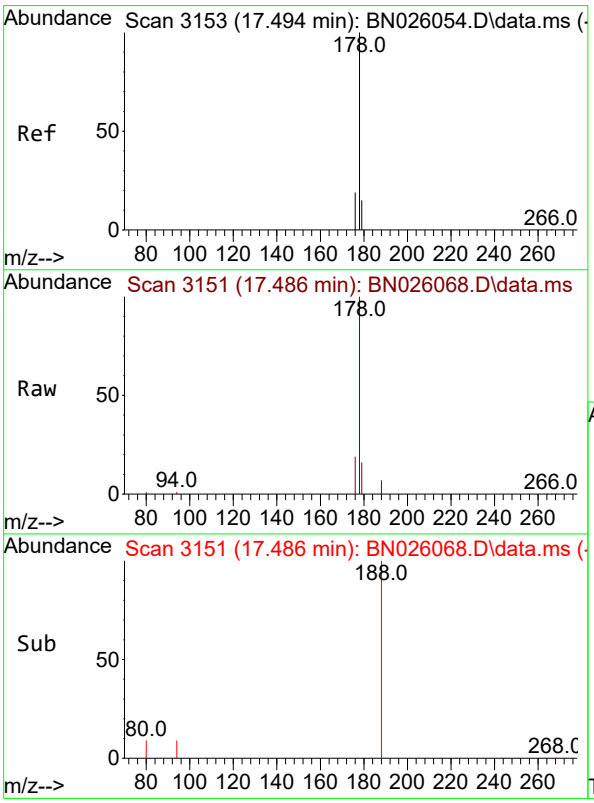

#15
Phenanthrene
Concen: 10.281 ng/ul
RT: 17.393 min Scan# 3
Delta R.T. -0.008 min
Lab File: BN026068.D
Acq: 28 Jun 2023 21:06

**Instrument :**
BNA_N
**ClientSampleId :**
DCFS7

Tgt Ion:178 Resp: 1092114

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.3 | 12.6 | 19.0 |
| 176 | 19.5 | 15.8 | 23.6 |

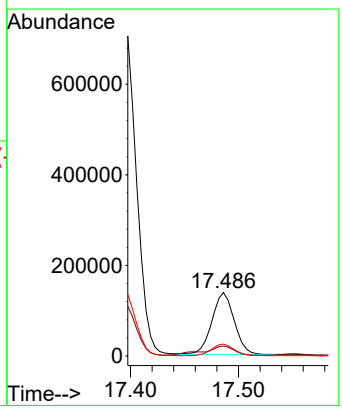


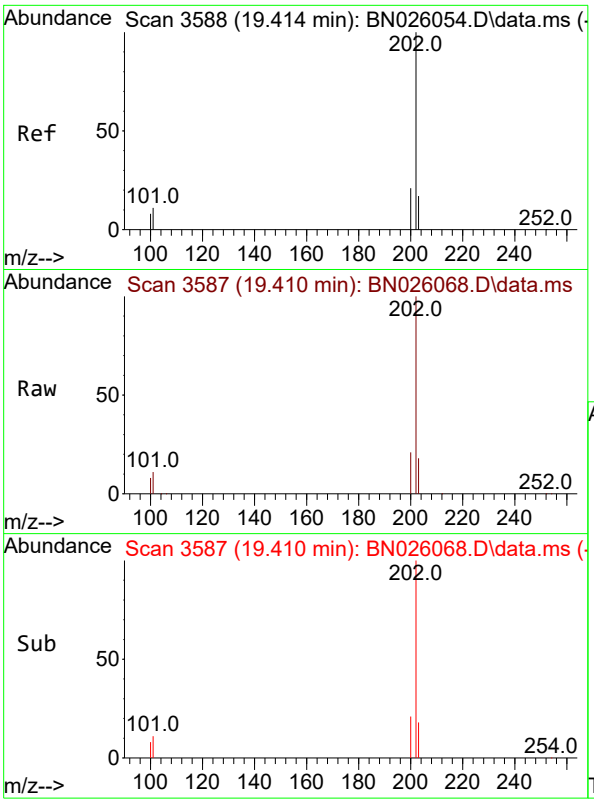




#16
Anthracene
Concen: 2.074 ng/ul
RT: 17.486 min Scan# 3151
Delta R.T. -0.008 min
Lab File: BN026068.D
Acq: 28 Jun 2023 21:06

Tgt Ion:178 Resp: 195832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.7 | 12.6 | 18.8 |
| 176 | 18.8 | 15.1 | 22.7 |



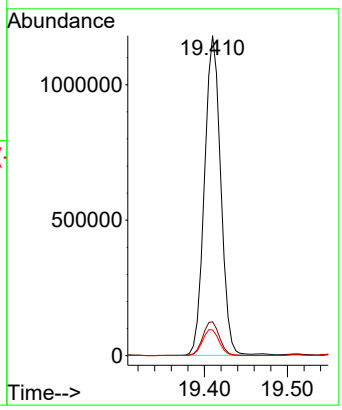


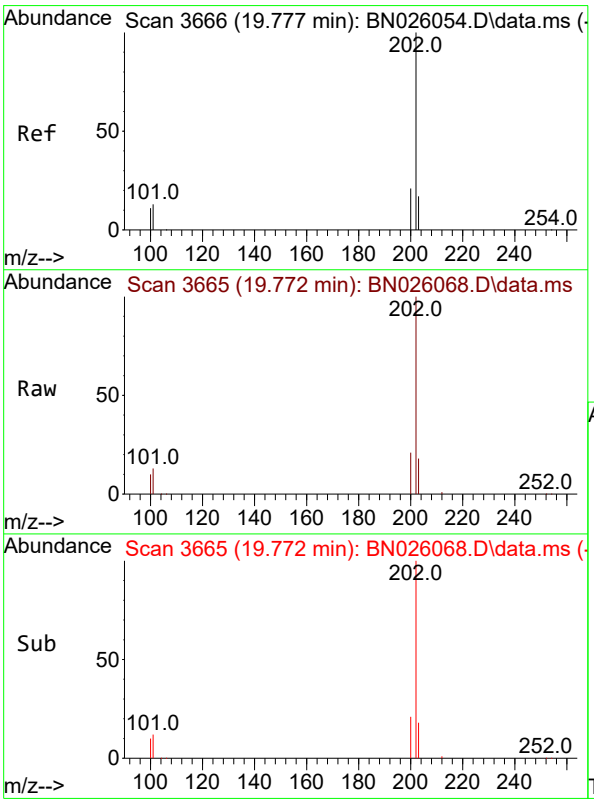

#19
Fluoranthene
Concen: 17.363 ng/ul
RT: 19.410 min Scan# 3
Delta R.T. -0.005 min
Lab File: BN026068.D
Acq: 28 Jun 2023 21:06

**Instrument :**
BNA_N
**ClientSampleId :**
DCFS7

Tgt Ion:202 Resp: 1607369

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.6 | 9.5 | 14.3 |
| 100 | 8.1 | 7.3 | 10.9 |

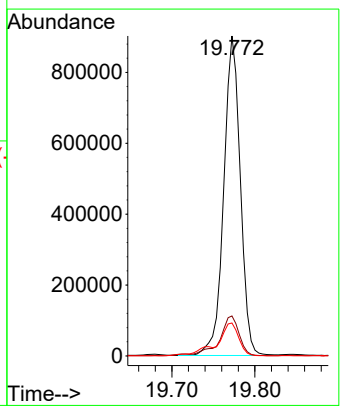


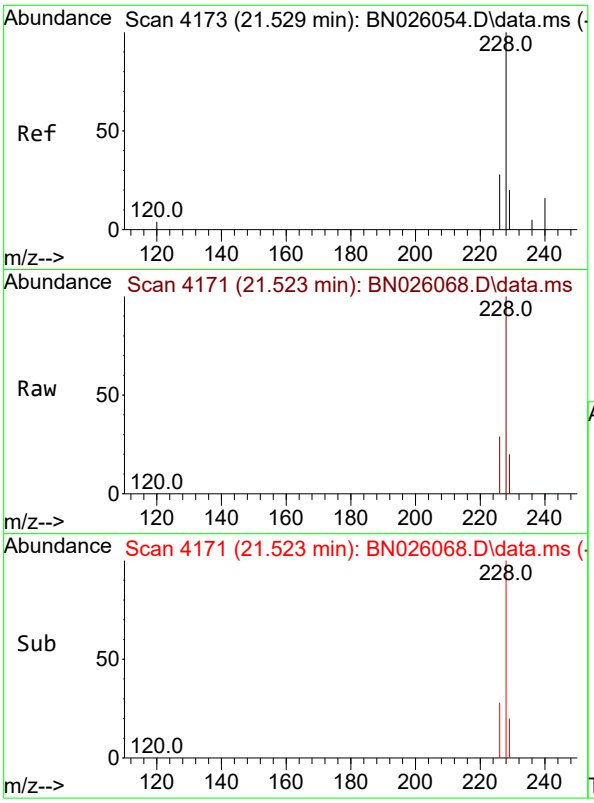




#20
Pyrene
Concen: 12.966 ng/ul
RT: 19.772 min Scan# 3665
Delta R.T. -0.005 min
Lab File: BN026068.D
Acq: 28 Jun 2023 21:06

Tgt Ion:202 Resp: 1248475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.5 | 11.4 | 17.0 |
| 100 | 10.3 | 9.1 | 13.7 |



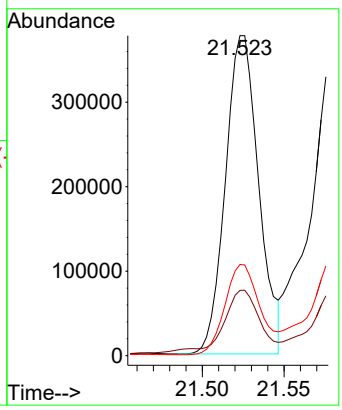


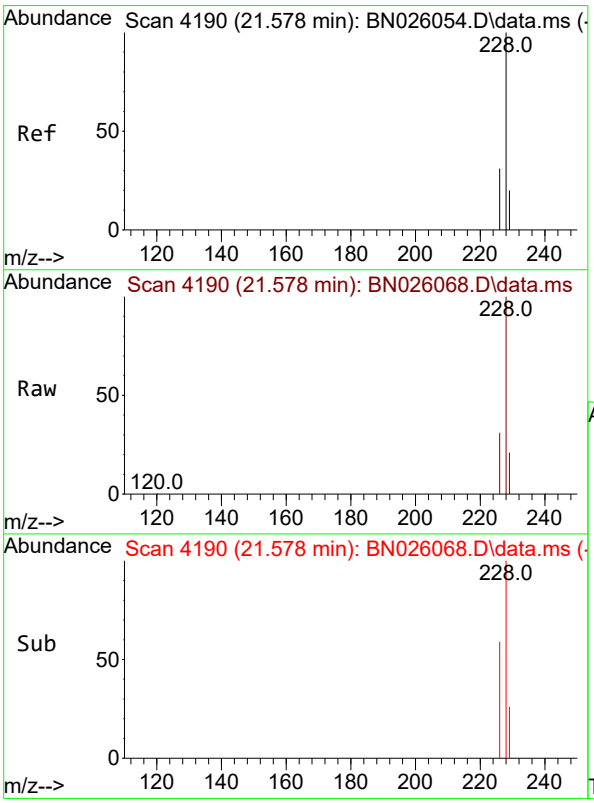

#21
Benzo(a)anthracene
Concen: 7.466 ng/ul
RT: 21.523 min Scan# 4
Delta R.T. -0.006 min
Lab File: BN026068.D
Acq: 28 Jun 2023 21:06

**Instrument :**
BNA_N
**ClientSampleId :**
DCFS7

Tgt Ion:228 Resp: 533791

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 20.4 | 15.8 | 23.6 |
| 226 | 28.5 | 22.5 | 33.7 |

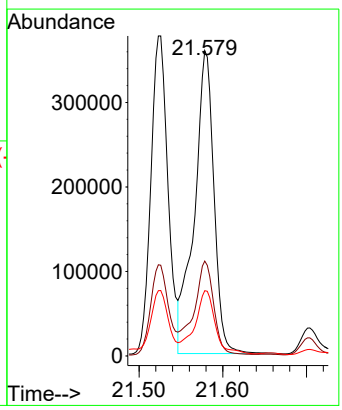


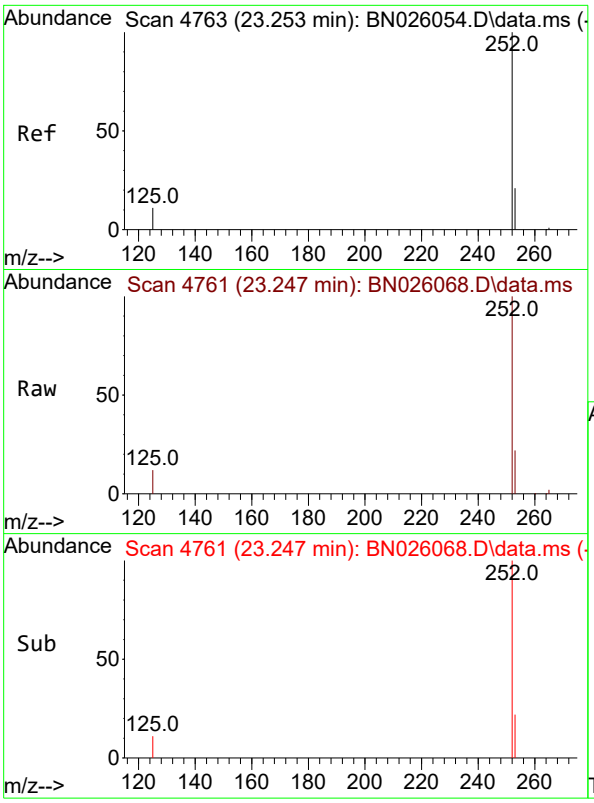




#22
Chrysene
Concen: 7.838 ng/ul
RT: 21.578 min Scan# 4190
Delta R.T. 0.000 min
Lab File: BN026068.D
Acq: 28 Jun 2023 21:06

Tgt Ion:228 Resp: 583116

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.1 | 24.8 | 37.2 |
| 229 | 21.4 | 15.7 | 23.5 |



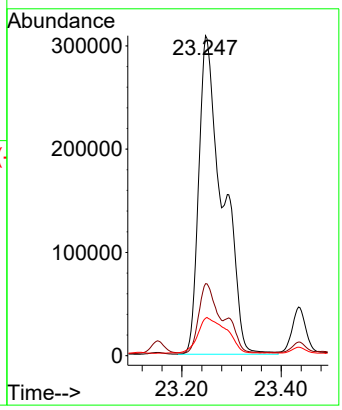


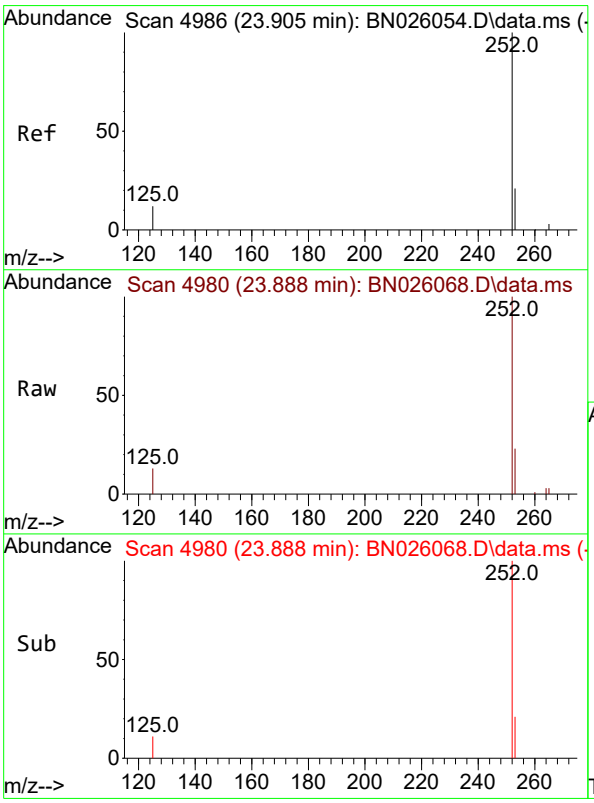

#24
Benzo(b)fluoranthene
Concen: 15.210 ng/ul
RT: 23.247 min Scan# 4
Delta R.T. -0.006 min
Lab File: BN026068.D
Acq: 28 Jun 2023 21:06

**Instrument :**
BNA_N
**ClientSampleId :**
DCFS7

Tgt Ion:252 Resp: 1024951

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.5 | 0.0 | 55.6 |
| 125 | 11.7 | 0.0 | 35.8 |

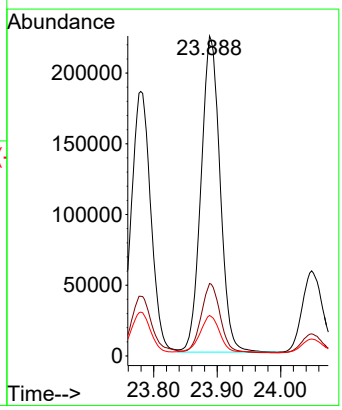


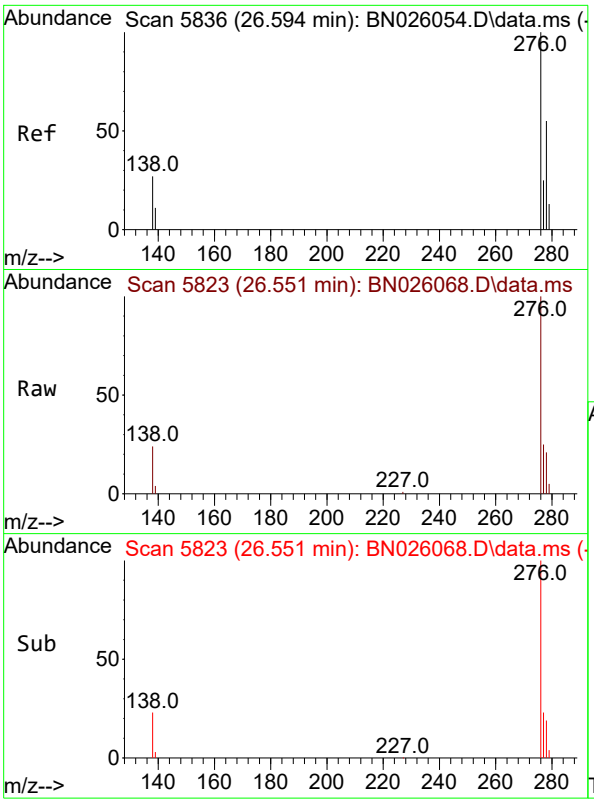




#26
Benzo(a)pyrene
Concen: 7.928 ng/ul
RT: 23.888 min Scan# 4980
Delta R.T. -0.017 min
Lab File: BN026068.D
Acq: 28 Jun 2023 21:06

Tgt Ion:252 Resp: 464025

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.6 | 26.0 | 39.0# |
| 125 | 12.6 | 17.3 | 25.9# |



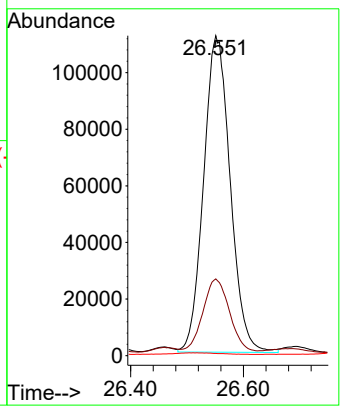


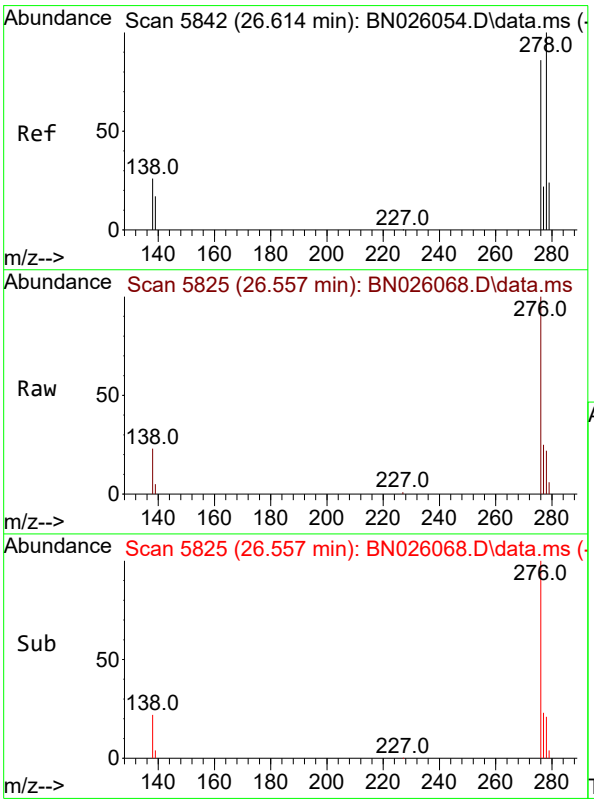

#27
Indeno(1,2,3-cd)pyrene
Concen: 5.727 ng/ul
RT: 26.551 min Scan# 5
Delta R.T. -0.044 min
Lab File: BN026068.D
Acq: 28 Jun 2023 21:06

**Instrument :**
BNA_N
**ClientSampleId :**
DCFS7

Tgt Ion:276 Resp: 366139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 23.4 | 24.5 | 36.7# |
| 227 | 0.0 | 0.0 | 0.0 |

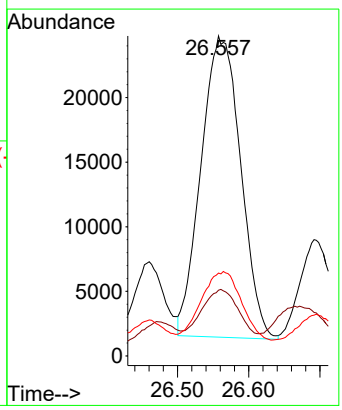


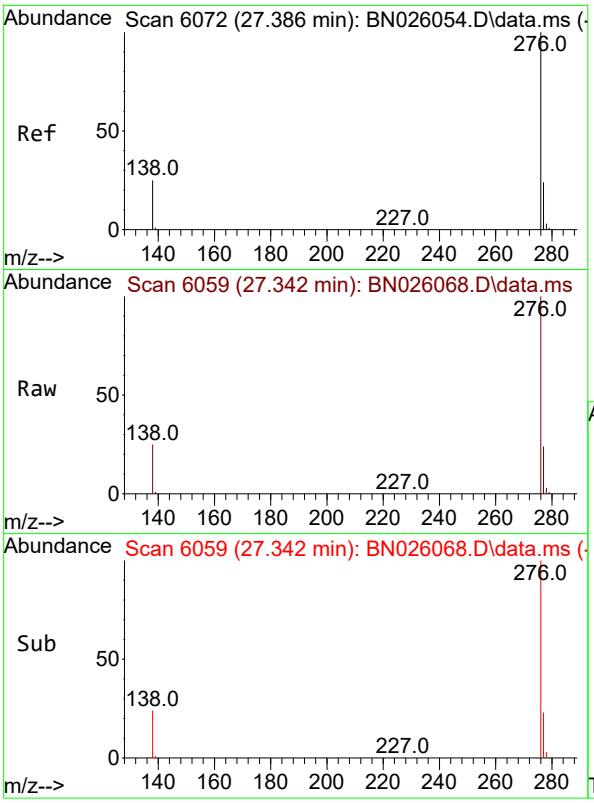




#28
Dibenzo(a,h)anthracene
Concen: 1.864 ng/ul
RT: 26.557 min Scan# 5825
Delta R.T. -0.057 min
Lab File: BN026068.D
Acq: 28 Jun 2023 21:06

Tgt Ion:278 Resp: 90199

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 20.6 | 19.0 | 28.4 |
| 279 | 25.9 | 26.7 | 40.1# |






#29
Benzo(g,h,i)perylene
Concen: 6.367 ng/ul
RT: 27.342 min Scan# 6
Delta R.T. -0.044 min
Lab File: BN026068.D
Acq: 28 Jun 2023 21:06

**Instrument :**
BNA_N
**ClientSampleId :**
DCFS7

Tgt Ion:276 Resp: 362077

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 24.6 | 23.4 | 35.0 |
| 277 | 23.6 | 20.0 | 30.0 |