Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050523\
Data File : BN025282.D
Acq On : 05 May 2023 16:24
Operator : CG/JU
Sample : PB152588BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
SLCS588

Quant Time: May 06 04:07:31 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN042023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 05 11:29:16 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.912 | 152 | 6851 | 0.400 | ng/ul | 0.00 |
| 4) Naphthalene-d8 | 10.719 | 136 | 21780 | 0.400 | ng/ul | 0.00 |
| 9) Acenaphthene-d10 | 14.555 | 164 | 12056 | 0.400 | ng/ul | 0.00 |
| 13) Phenanthrene-d10 | 17.308 | 188 | 22253 | 0.400 | ng/ul | 0.00 |
| 17) Chrysene-d12 | 21.501 | 240 | 13316 | 0.400 | ng/ul | 0.00 |
| 23) Perylene-d12 | 23.936 | 264 | 15140 | 0.400 | ng/ul | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.288 | 96 | 5541 | 0.781 | ng/ul | 0.00 |
| 6) 2-Methylnaphthalene-d10 | 12.314 | 152 | 11927 | 0.426 | ng/ul | 0.00 |
| 18) Fluoranthene-d10 | 19.339 | 212 | 18311 | 0.521 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.322 | 88 | 14681 | 1.922 | ng/ul | 88 |
| 5) Naphthalene | 10.768 | 128 | 22773 | 0.408 | ng/ul | 99 |
| 7) 2-Methylnaphthalene | 12.385 | 142 | 14123 | 0.413 | ng/ul | 100 |
| 8) 1-Methylnaphthalene | 12.600 | 142 | 14588 | 0.400 | ng/ul | 100 |
| 10) Acenaphthylene | 14.278 | 152 | 22096 | 0.492 | ng/ul | 100 |
| 11) Acenaphthene | 14.620 | 153 | 16012 | 0.423 | ng/ul | 98 |
| 12) Fluorene | 15.606 | 166 | 17243 | 0.407 | ng/ul | 98 |
| 14) Pentachlorophenol | 16.966 | 266 | 3484 | 0.797 | ng/ul | 99 |
| 15) Phenanthrene | 17.346 | 178 | 25091 | 0.399 | ng/ul | 100 |
| 16) Anthracene | 17.443 | 178 | 23166 | 0.451 | ng/ul | 99 |
| 19) Fluoranthene | 19.367 | 202 | 24602 | 0.511 | ng/ul | 99 |
| 20) Pyrene | 19.734 | 202 | 24824 | 0.502 | ng/ul | 99 |
| 21) Benzo(a)anthracene | 21.487 | 228 | 19772 | 0.493 | ng/ul | 96 |
| 22) Chrysene | 21.539 | 228 | 19785 | 0.452 | ng/ul | 97 |
| 24) Benzo(b)fluoranthene | 23.194 | 252 | 22197 | 0.361 | ng/ul | 90 |
| 25) Benzo(k)fluoranthene | 23.240 | 252 | 22578 | 0.382 | ng/ul# | 89 |
| 26) Benzo(a)pyrene | 23.837 | 252 | 20259 | 0.399 | ng/ul# | 89 |
| 27) Indeno(1,2,3-cd)pyrene | 26.482 | 276 | 27964 | 0.478 | ng/ul# | 97 |
| 28) Dibenzo(a,h)anthracene | 26.496 | 278 | 22011 | 0.481 | ng/ul | 95 |
| 29) Benzo(g,h,i)perylene | 27.264 | 276 | 23620 | 0.474 | ng/ul | 95 |

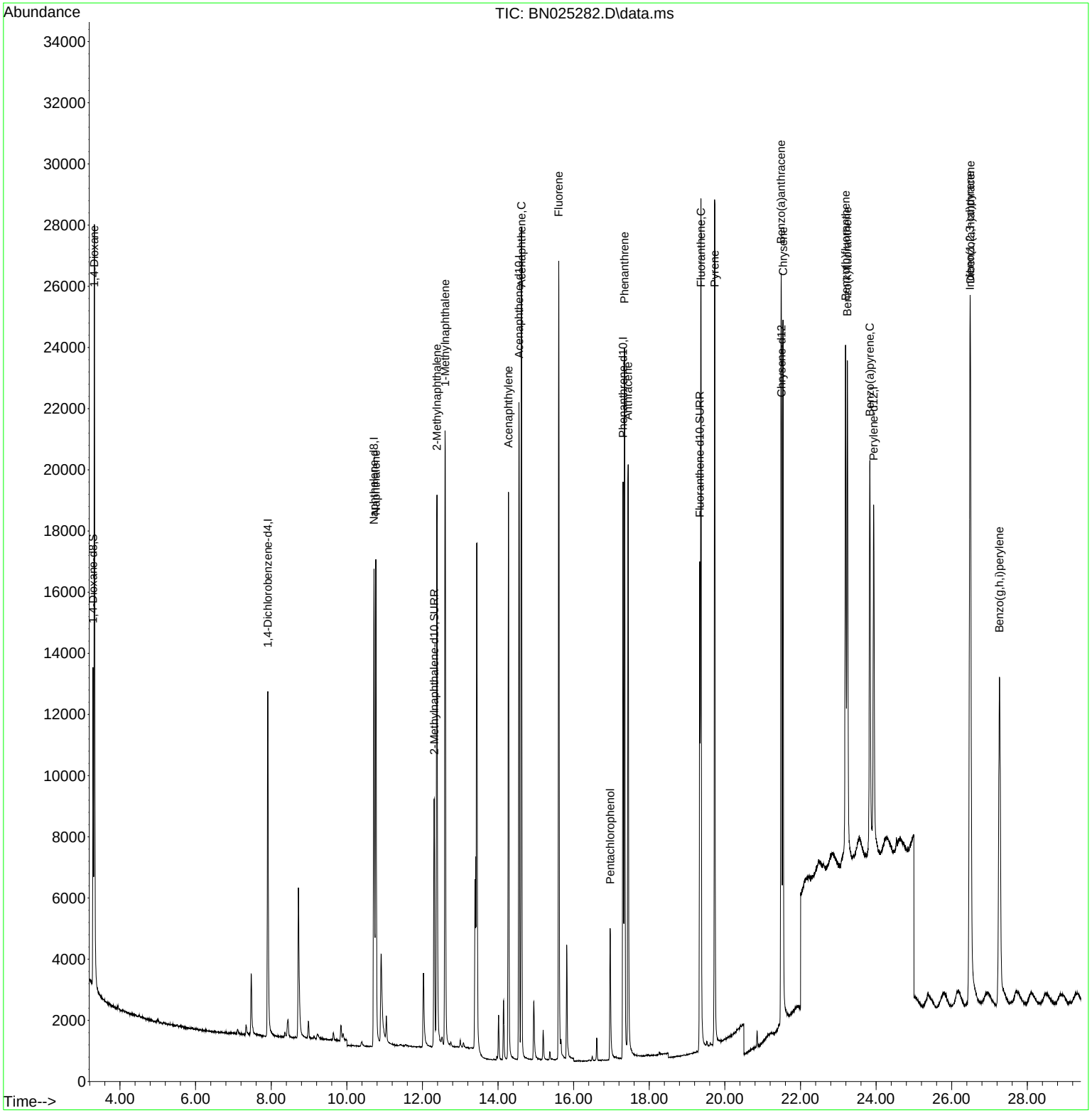
(#) = qualifier out of range (m) = manual integration (+) = signals summed

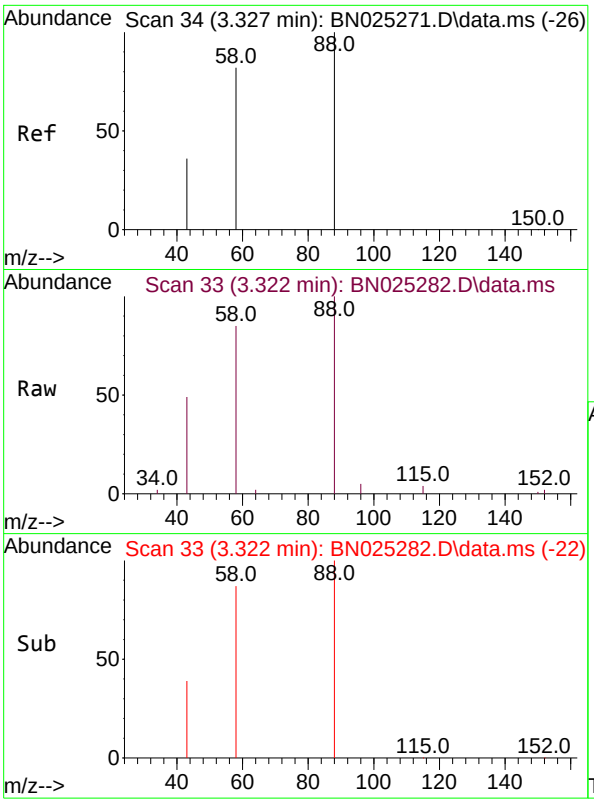
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050523\
Data File : BN025282.D
Acq On : 05 May 2023 16:24
Operator : CG/JU
Sample : PB152588BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
SLCS588

Quant Time: May 06 04:07:31 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN042023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 05 11:29:16 2023
Response via : Initial Calibration



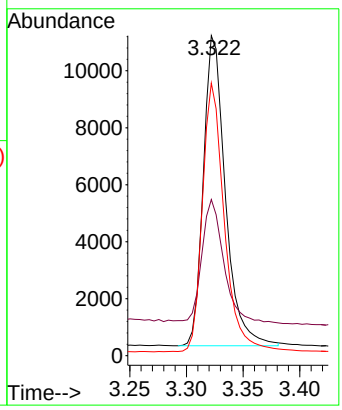


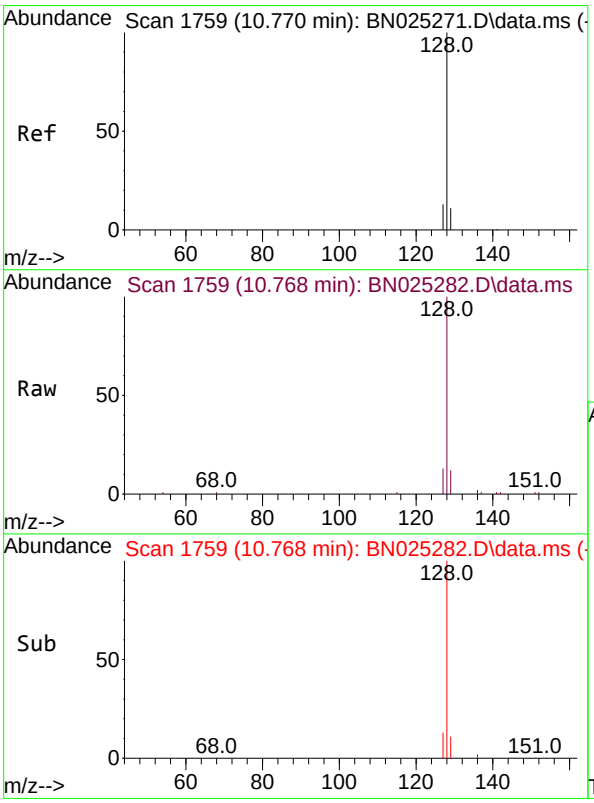

#2
1,4-Dioxane
Concen: 1.922 ng/ul
RT: 3.322 min Scan# 3
Delta R.T. -0.005 min
Lab File: BN025282.D
Acq: 05 May 2023 16:24

**Instrument :**
BNA_N
**ClientSampleId :**
SLCS588

Tgt Ion: 88 Resp: 14681

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 48.8 | 37.0 | 55.4 |
| 58 | 85.2 | 56.9 | 85.3 |

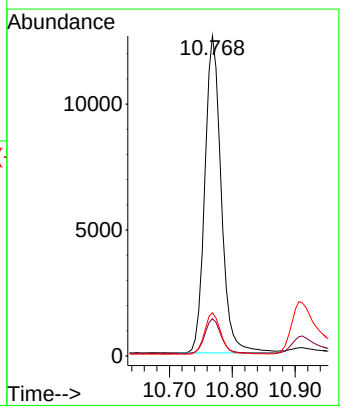


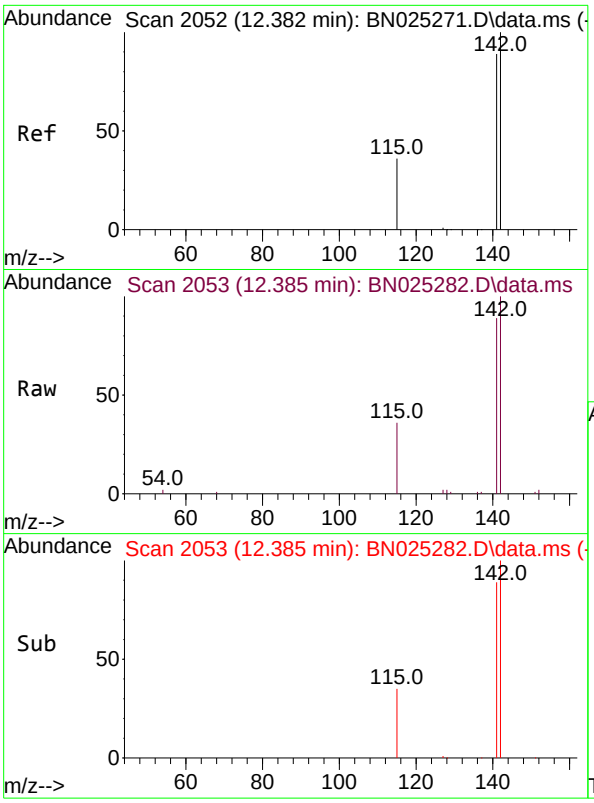




#5
Naphthalene
Concen: 0.408 ng/ul
RT: 10.768 min Scan# 1759
Delta R.T. -0.002 min
Lab File: BN025282.D
Acq: 05 May 2023 16:24

Tgt Ion:128 Resp: 22773

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.7 | 9.0 | 13.6 |
| 127 | 13.5 | 10.7 | 16.1 |



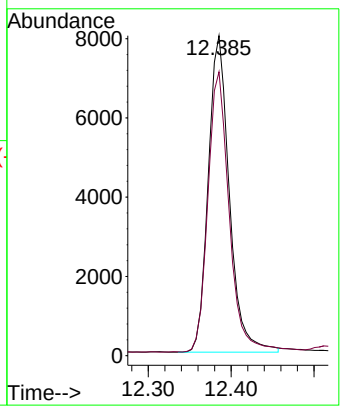


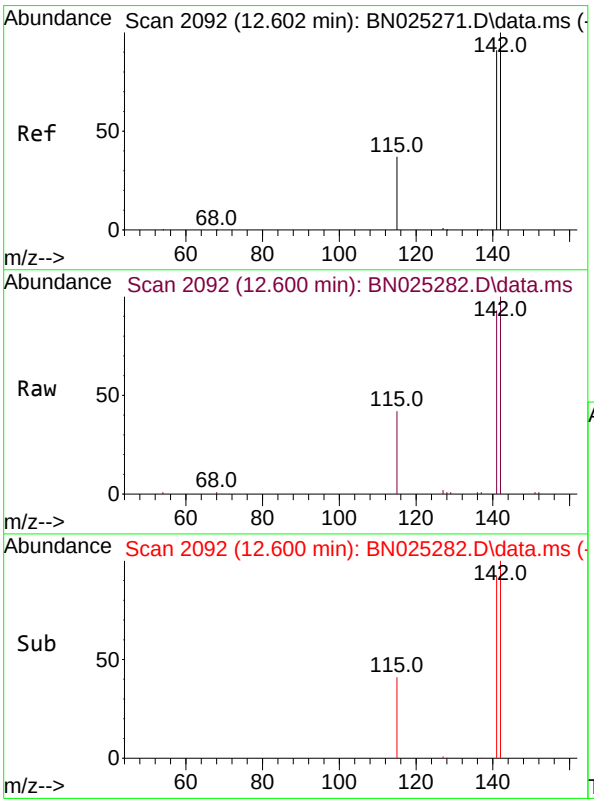

#7
2-Methylnaphthalene
Concen: 0.413 ng/ul
RT: 12.385 min Scan# 2
Delta R.T. 0.004 min
Lab File: BN025282.D
Acq: 05 May 2023 16:24

**Instrument :**
BNA_N
**ClientSampleId :**
SLCS588

Tgt Ion:142 Resp: 14123

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.2 | 71.4 | 107.0 |

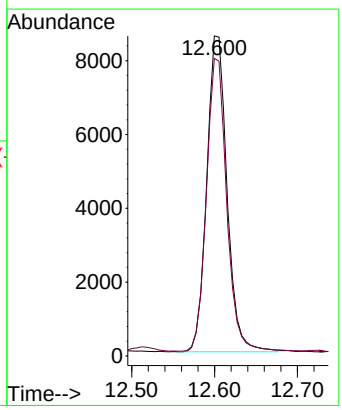


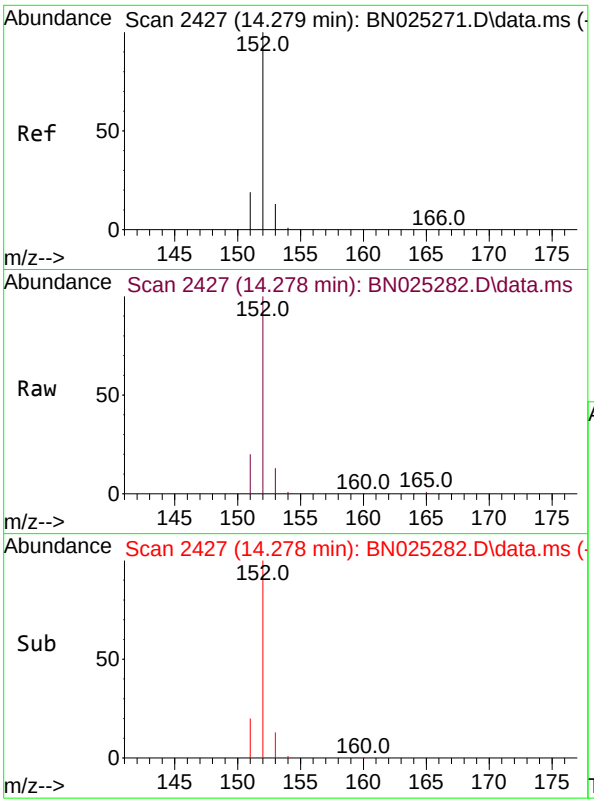




#8
1-Methylnaphthalene
Concen: 0.400 ng/ul
RT: 12.600 min Scan# 2092
Delta R.T. -0.002 min
Lab File: BN025282.D
Acq: 05 May 2023 16:24

Tgt Ion:142 Resp: 14588

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.1 | 73.8 | 110.6 |



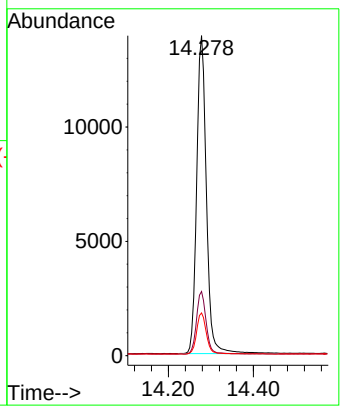


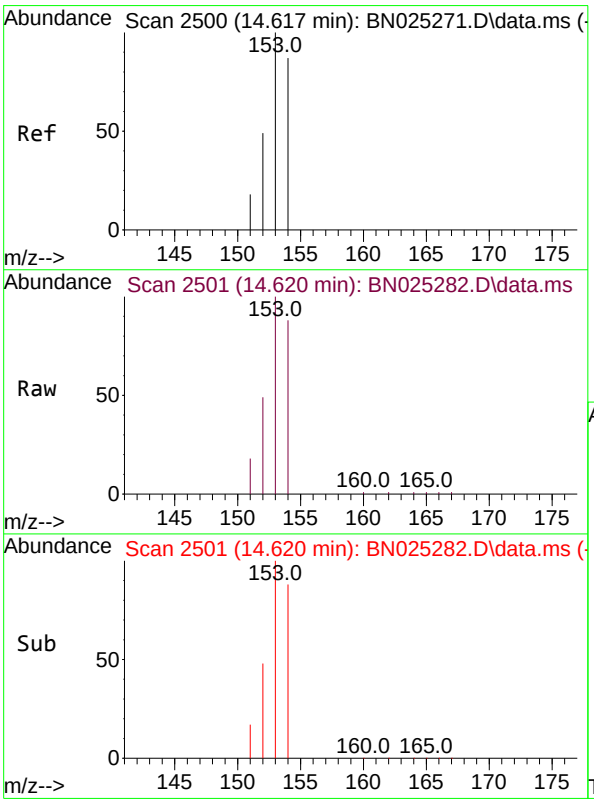

#10
Acenaphthylene
Concen: 0.492 ng/ul
RT: 14.278 min Scan# 24
Delta R.T. -0.001 min
Lab File: BN025282.D
Acq: 05 May 2023 16:24

**Instrument :**
BNA_N
**ClientSampleId :**
SLCS588

Tgt Ion:152 Resp: 22096

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.1 | 16.0 | 24.0 |
| 153 | 13.4 | 10.8 | 16.2 |

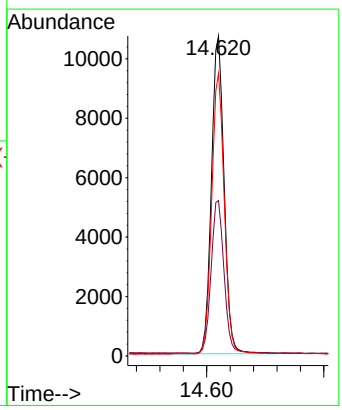


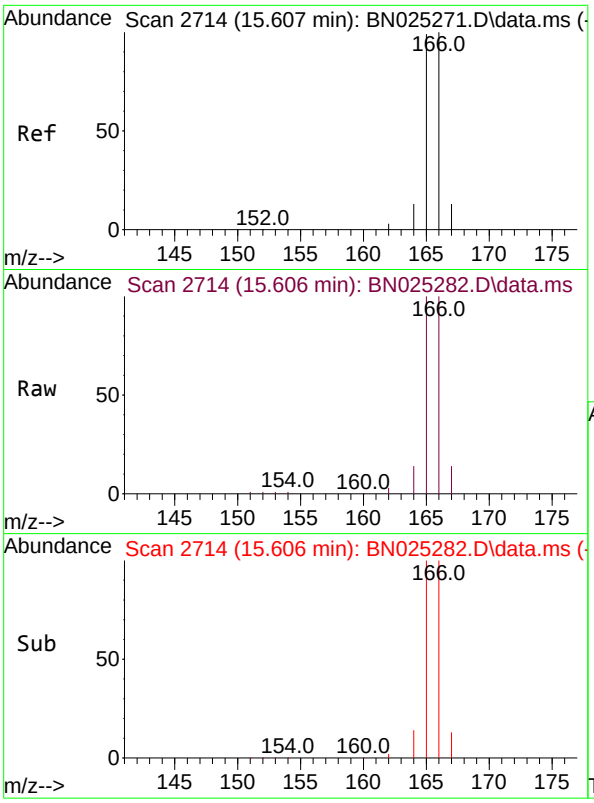




#11
Acenaphthene
Concen: 0.423 ng/ul
RT: 14.620 min Scan# 2501
Delta R.T. 0.004 min
Lab File: BN025282.D
Acq: 05 May 2023 16:24

Tgt Ion:153 Resp: 16012

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 48.5 | 40.2 | 60.4 |
| 154 | 88.3 | 69.4 | 104.2 |



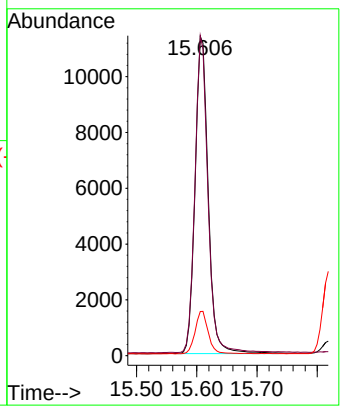


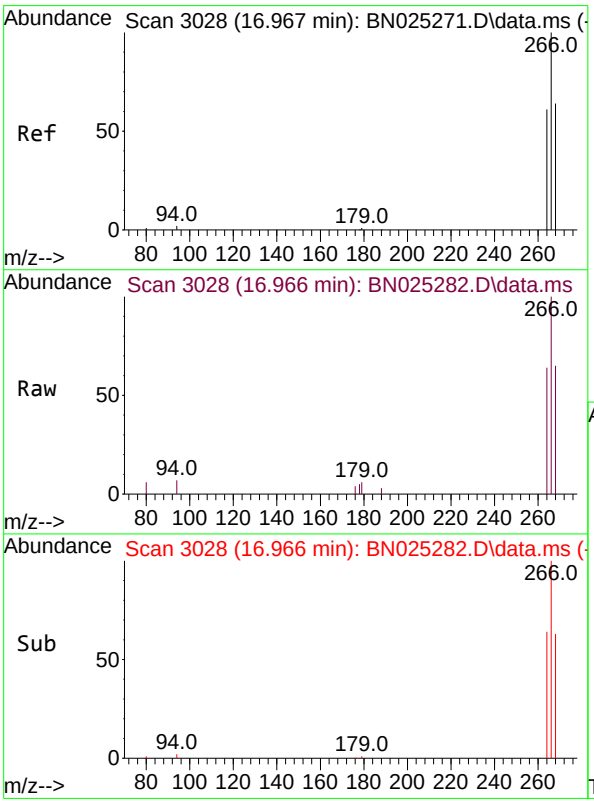

#12
Fluorene
Concen: 0.407 ng/ul
RT: 15.606 min Scan# 2
Delta R.T. -0.001 min
Lab File: BN025282.D
Acq: 05 May 2023 16:24

**Instrument :**
BNA_N
**ClientSampleId :**
SLCS588

Tgt Ion:166 Resp: 17243

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 100.3 | 78.1 | 117.1 |
| 167 | 13.8 | 11.0 | 16.6 |

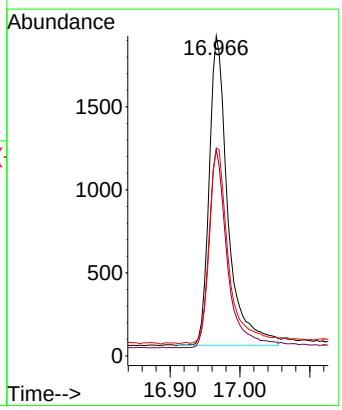


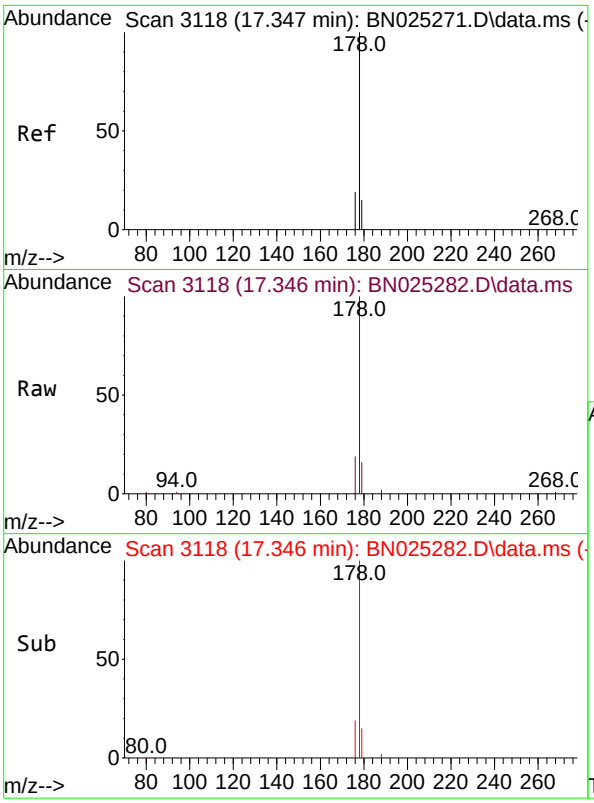




#14
Pentachlorophenol
Concen: 0.797 ng/ul
RT: 16.966 min Scan# 3028
Delta R.T. -0.001 min
Lab File: BN025282.D
Acq: 05 May 2023 16:24

Tgt Ion:266 Resp: 3484

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 62.9 | 49.6 | 74.4 |
| 268 | 64.1 | 51.3 | 76.9 |



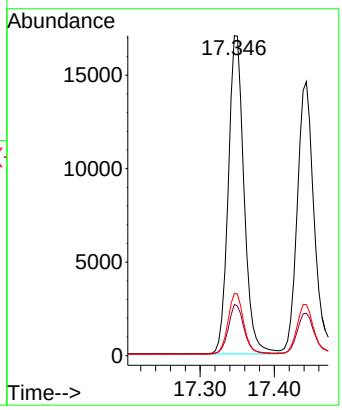


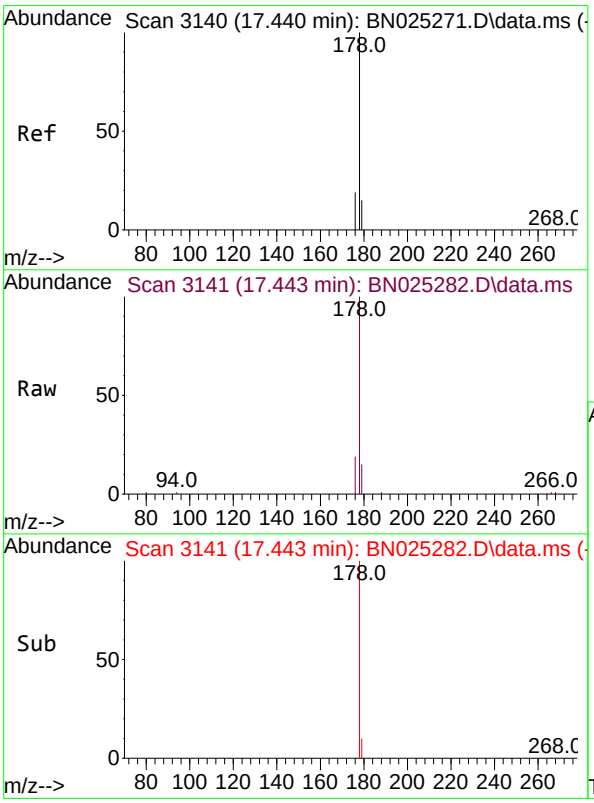

#15
Phenanthrene
Concen: 0.399 ng/ul
RT: 17.346 min Scan# 3
Delta R.T. -0.001 min
Lab File: BN025282.D
Acq: 05 May 2023 16:24

**Instrument :**
BNA_N
**ClientSampleId :**
SLCS588

Tgt Ion:178 Resp: 25091

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.0 | 12.5 | 18.7 |
| 176 | 19.5 | 15.6 | 23.4 |

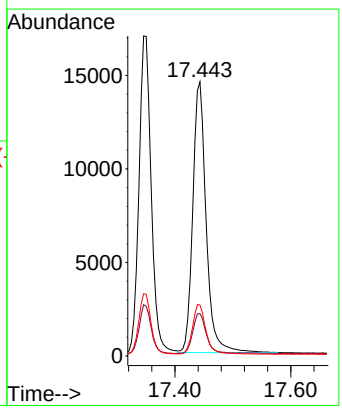


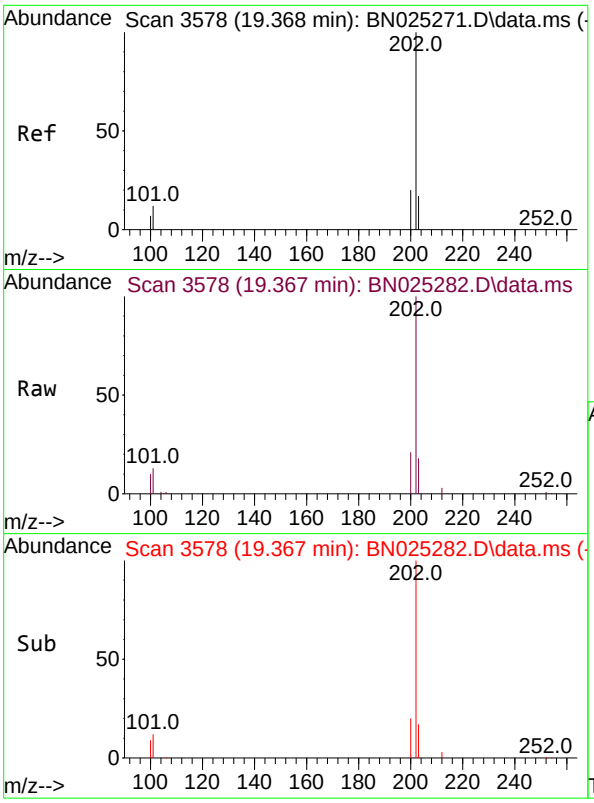




#16
Anthracene
Concen: 0.451 ng/ul
RT: 17.443 min Scan# 3141
Delta R.T. 0.003 min
Lab File: BN025282.D
Acq: 05 May 2023 16:24

Tgt Ion:178 Resp: 23166

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.5 | 12.7 | 19.1 |
| 176 | 18.6 | 15.3 | 22.9 |



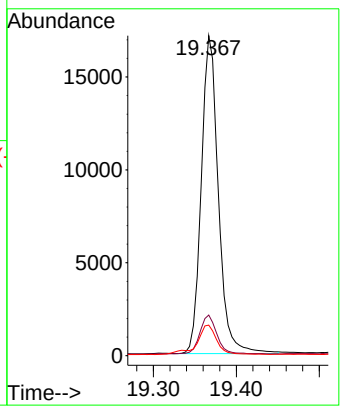


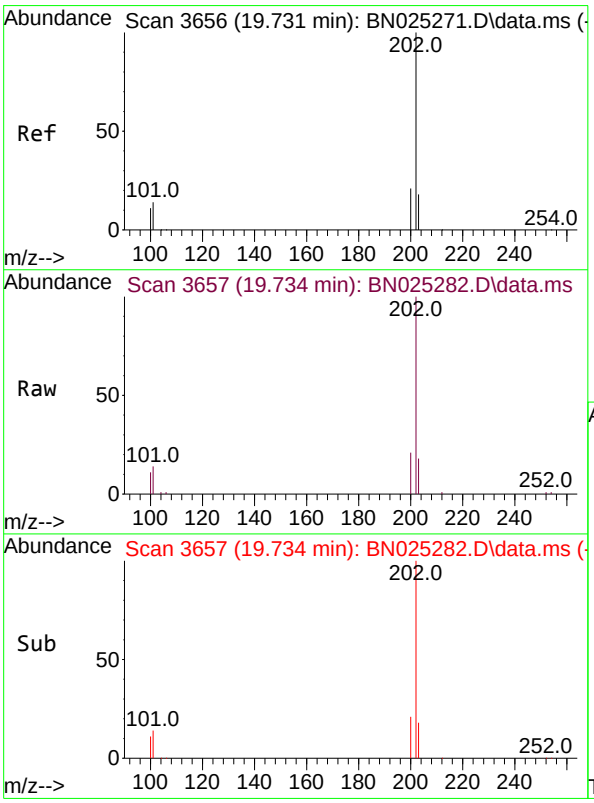

#19
Fluoranthene
Concen: 0.511 ng/ul
RT: 19.367 min Scan# 3
Delta R.T. -0.001 min
Lab File: BN025282.D
Acq: 05 May 2023 16:24

**Instrument :**
BNA_N
**ClientSampleId :**
SLCS588

Tgt Ion:202 Resp: 24602

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.7 | 9.7 | 14.5 |
| 100 | 9.5 | 7.3 | 10.9 |

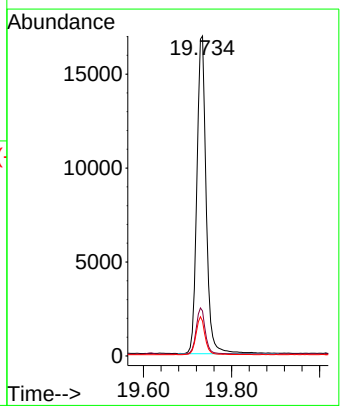


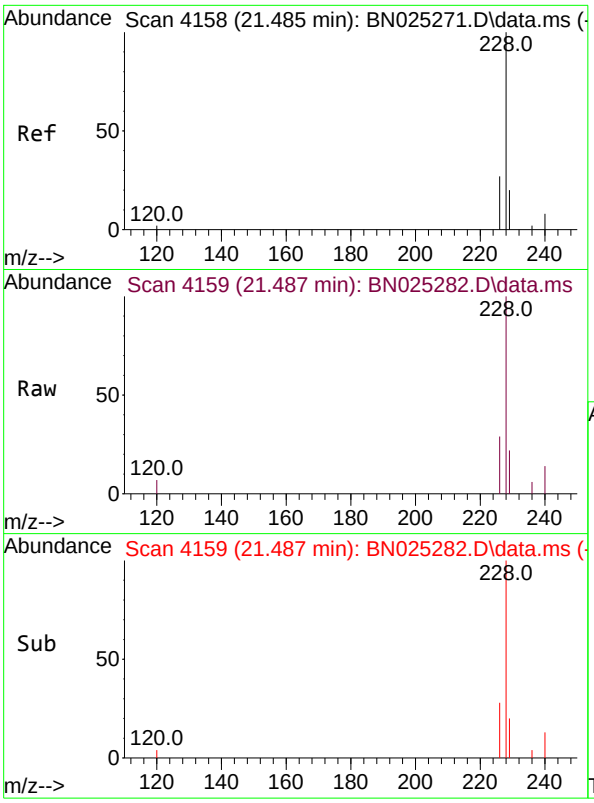




#20
Pyrene
Concen: 0.502 ng/ul
RT: 19.734 min Scan# 3657
Delta R.T. 0.003 min
Lab File: BN025282.D
Acq: 05 May 2023 16:24

Tgt Ion:202 Resp: 24824

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 14.1 | 11.3 | 16.9 |
| 100 | 10.9 | 9.2 | 13.8 |



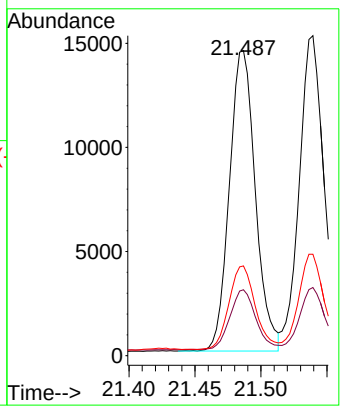


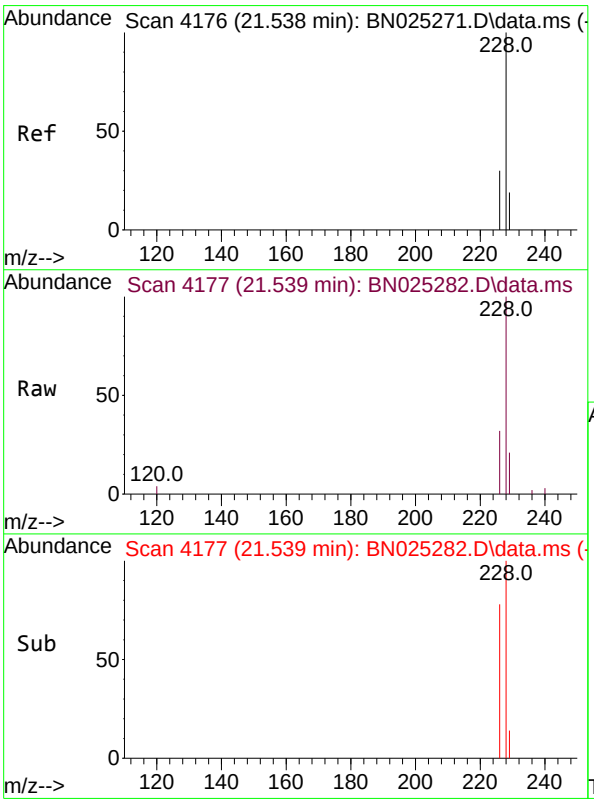

#21
Benzo(a)anthracene
Concen: 0.493 ng/ul
RT: 21.487 min Scan# 4
Delta R.T. 0.002 min
Lab File: BN025282.D
Acq: 05 May 2023 16:24

**Instrument :**
BNA_N
**ClientSampleId :**
SLCS588

Tgt Ion:228 Resp: 19772

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 21.6 | 15.6 | 23.4 |
| 226 | 29.4 | 22.1 | 33.1 |

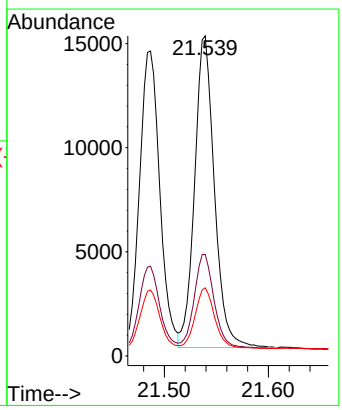


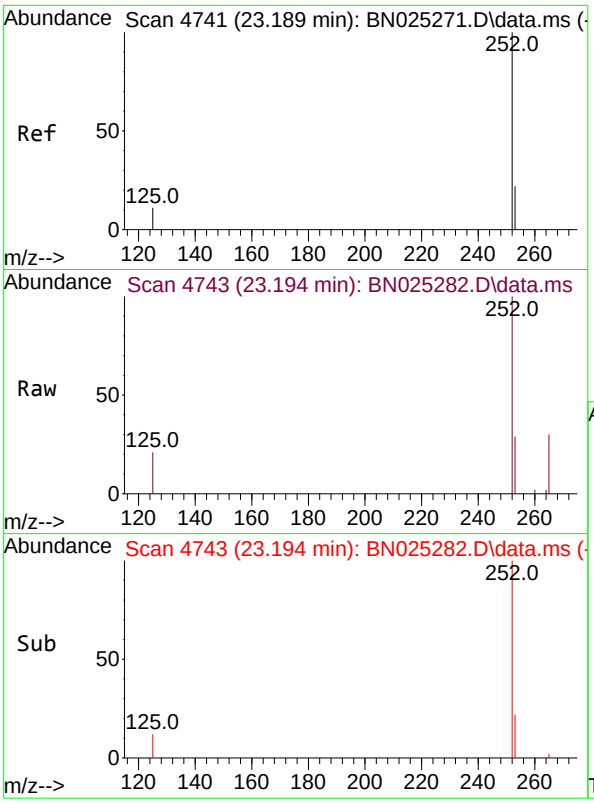




#22
Chrysene
Concen: 0.452 ng/ul
RT: 21.539 min Scan# 4177
Delta R.T. 0.002 min
Lab File: BN025282.D
Acq: 05 May 2023 16:24

Tgt Ion:228 Resp: 19785

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.7 | 24.5 | 36.7 |
| 229 | 21.3 | 15.8 | 23.6 |



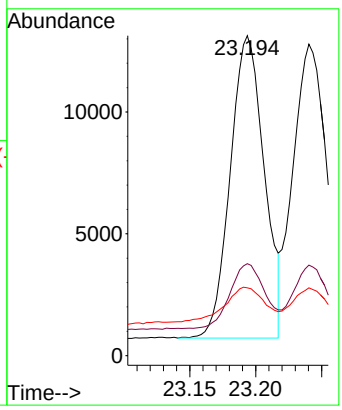


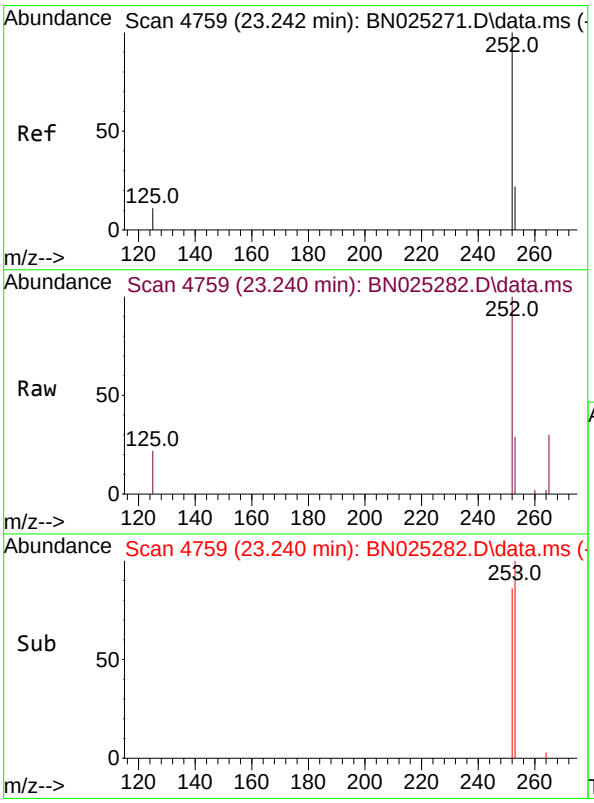

#24
Benzo(b)fluoranthene
Concen: 0.361 ng/ul
RT: 23.194 min Scan# 4
Delta R.T. 0.004 min
Lab File: BN025282.D
Acq: 05 May 2023 16:24

**Instrument :**
BNA_N
**ClientSampleId :**
SLCS588

Tgt Ion:252 Resp: 22197

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 28.7 | 0.0 | 50.2 |
| 125 | 21.2 | 0.0 | 30.4 |

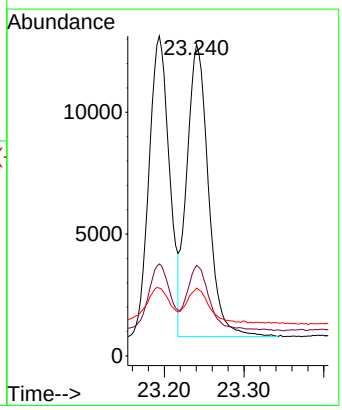


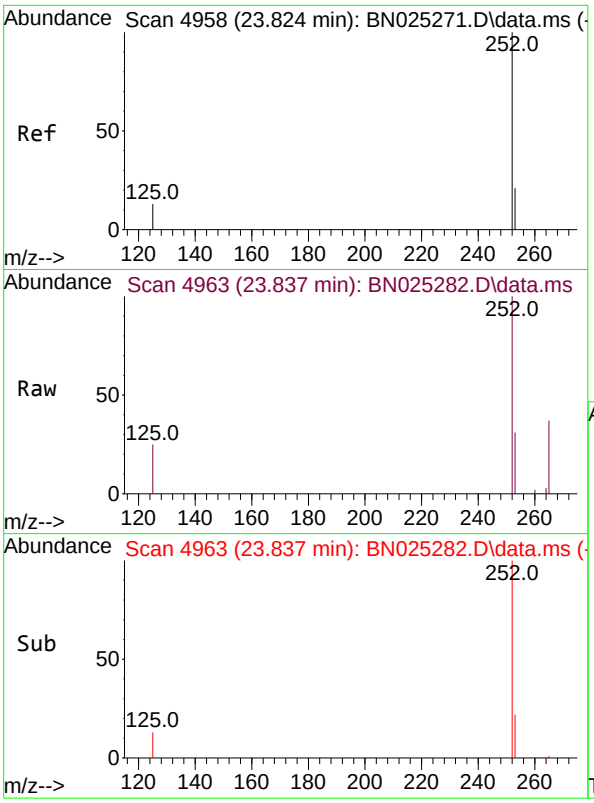




#25
Benzo(k)fluoranthene
Concen: 0.382 ng/ul
RT: 23.240 min Scan# 4759
Delta R.T. -0.001 min
Lab File: BN025282.D
Acq: 05 May 2023 16:24

Tgt Ion:252 Resp: 22578

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 29.0 | 20.2 | 30.4 |
| 125 | 21.8 | 11.8 | 17.8# |



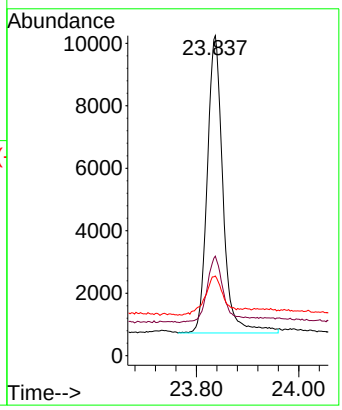


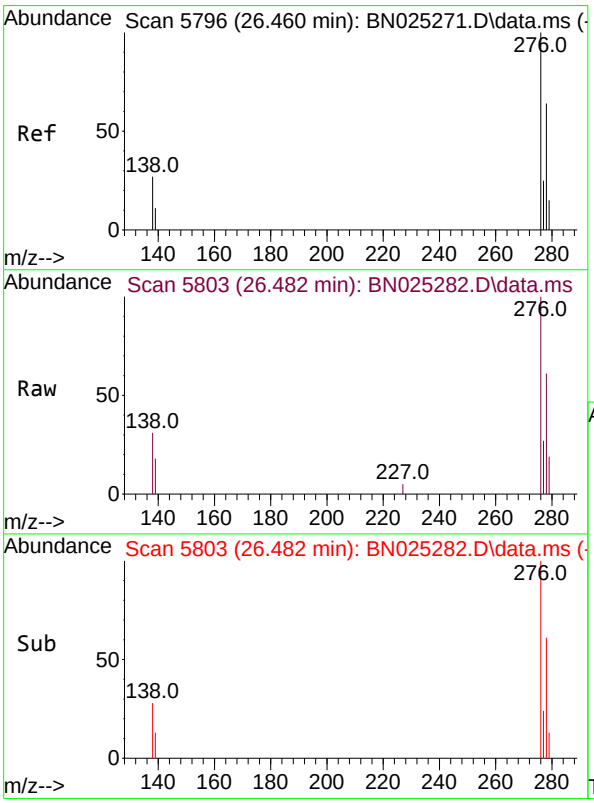

#26
Benzo(a)pyrene
Concen: 0.399 ng/ul
RT: 23.837 min Scan# 4
Delta R.T. 0.013 min
Lab File: BN025282.D
Acq: 05 May 2023 16:24

**Instrument :**
BNA_N
**ClientSampleId :**
SLCS588

Tgt Ion:252 Resp: 20259

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 31.1 | 21.4 | 32.2 |
| 125 | 24.9 | 14.6 | 22.0# |

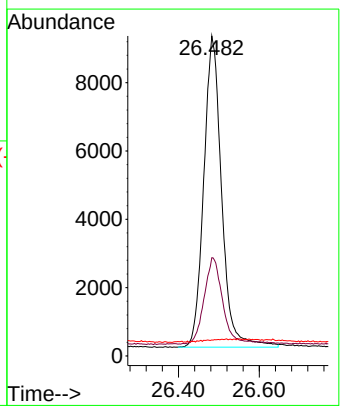


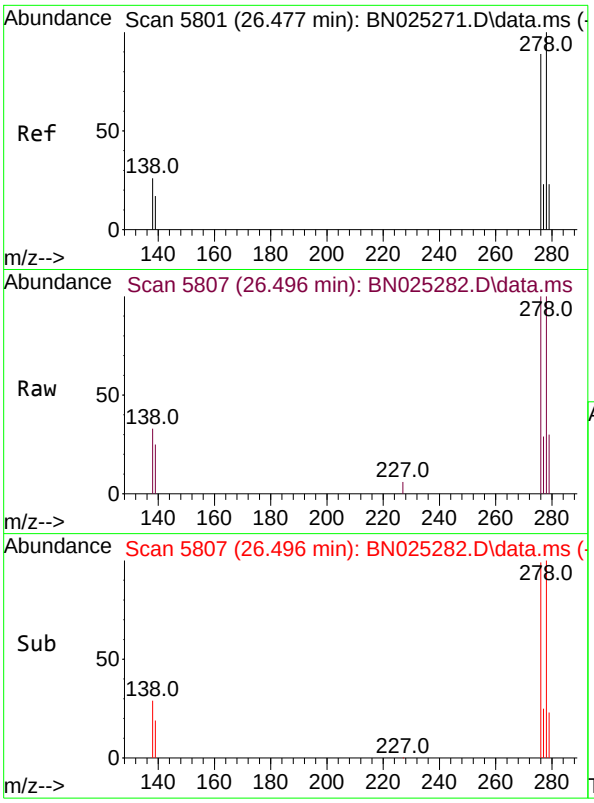




#27
Indeno(1,2,3-cd)pyrene
Concen: 0.478 ng/ul
RT: 26.482 min Scan# 5803
Delta R.T. 0.022 min
Lab File: BN025282.D
Acq: 05 May 2023 16:24

Tgt Ion:276 Resp: 27964

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 29.2 | 21.9 | 32.9 |
| 227 | 0.1 | 0.1 | 0.1# |



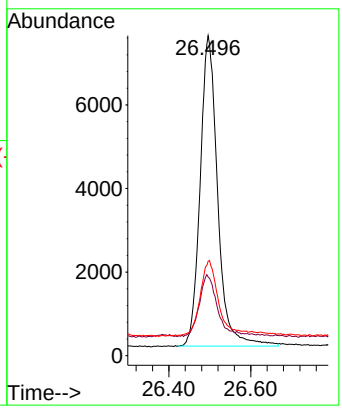


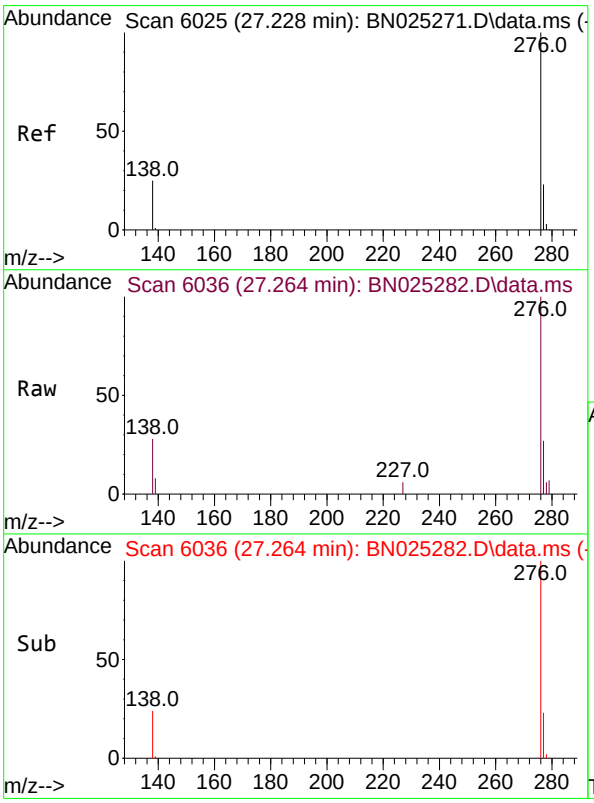

#28
Dibenzo(a,h)anthracene
Concen: 0.481 ng/ul
RT: 26.496 min Scan# 5
Delta R.T. 0.019 min
Lab File: BN025282.D
Acq: 05 May 2023 16:24

**Instrument :**
BNA_N
**ClientSampleId :**
SLCS588

Tgt Ion:278 Resp: 22011

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 24.6 | 17.0 | 25.6 |
| 279 | 29.5 | 21.8 | 32.8 |




#29
Benzo(g,h,i)perylene
Concen: 0.474 ng/ul
RT: 27.264 min Scan# 6036
Delta R.T. 0.036 min
Lab File: BN025282.D
Acq: 05 May 2023 16:24

Tgt Ion:276 Resp: 23620

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 28.3 | 20.3 | 30.5 |
| 277 | 26.9 | 19.8 | 29.6 |