Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032630.D
Acq On : 11 Jul 2024 11:41
Operator : MA/JU
Sample : SSTD1.611
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
SSTD1.6241

Quant Time: Jul 12 01:32:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 01:27:09 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.574 | 152 | 4149 | 0.400 | ng/ul | 0.00 |
| 4) Naphthalene-d8 | 10.338 | 136 | 13622 | 0.400 | ng/ul | -0.02 |
| 9) Acenaphthene-d10 | 14.207 | 164 | 8653 | 0.400 | ng/ul | 0.00 |
| 13) Phenanthrene-d10 | 16.970 | 188 | 18766 | 0.400 | ng/ul | -0.02 |
| 17) Chrysene-d12 | 21.182 | 240 | 15241 | 0.400 | ng/ul | -0.01 |
| 23) Perylene-d12 | 23.392 | 264 | 14128 | 0.400 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.106 | 96 | 7546 | 1.373 | ng/ul | 0.00 |
| 6) 2-Methylnaphthalene-d10 | 11.938 | 152 | 33090 | 1.694 | ng/ul | -0.03 |
| 18) Fluoranthene-d10 | 19.008 | 212 | 77557 | 1.662 | ng/ul | -0.02 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.139 | 88 | 8372 | 1.337 | ng/ul | 91 |
| 5) Naphthalene | 10.387 | 128 | 56878 | 1.618 | ng/ul | 96 |
| 7) 2-Methylnaphthalene | 12.015 | 142 | 38727 | 1.717 | ng/ul | 98 |
| 8) 1-Methylnaphthalene | 12.230 | 142 | 40287 | 1.682 | ng/ul | 98 |
| 10) Acenaphthylene | 13.929 | 152 | 57992 | 1.659 | ng/ul | 98 |
| 11) Acenaphthene | 14.272 | 153 | 45466 | 1.573 | ng/ul | 99 |
| 12) Fluorene | 15.271 | 166 | 53448 | 1.617 | ng/ul | 99 |
| 14) Pentachlorophenol | 16.645 | 266 | 5457 | 1.657 | ng/ul | 99 |
| 15) Phenanthrene | 17.012 | 178 | 83604 | 1.636 | ng/ul | 99 |
| 16) Anthracene | 17.113 | 178 | 73627 | 1.763 | ng/ul | 98 |
| 19) Fluoranthene | 19.041 | 202 | 97992 | 1.681 | ng/ul | 98 |
| 20) Pyrene | 19.413 | 202 | 99516 | 1.620 | ng/ul | 97 |
| 21) Benzo(a)anthracene | 21.165 | 228 | 83436 | 1.720 | ng/ul | 99 |
| 22) Chrysene | 21.217 | 228 | 97859 | 1.520 | ng/ul | 99 |
| 24) Benzo(b)fluoranthene | 22.719 | 252 | 84831 | 1.702 | ng/ul | 90 |
| 25) Benzo(k)fluoranthene | 22.766 | 252 | 93260 | 1.774 | ng/ul# | 90 |
| 26) Benzo(a)pyrene | 23.295 | 252 | 69030 | 1.600 | ng/ul# | 83 |
| 27) Indeno(1,2,3-cd)pyrene | 25.596 | 276 | 90524 | 1.550 | ng/ul# | 100 |
| 28) Dibenzo(a,h)anthracene | 25.606 | 278 | 69858 | 1.543 | ng/ul | 92 |
| 29) Benzo(g,h,i)perylene | 26.277 | 276 | 72133 | 1.478 | ng/ul | 96 |

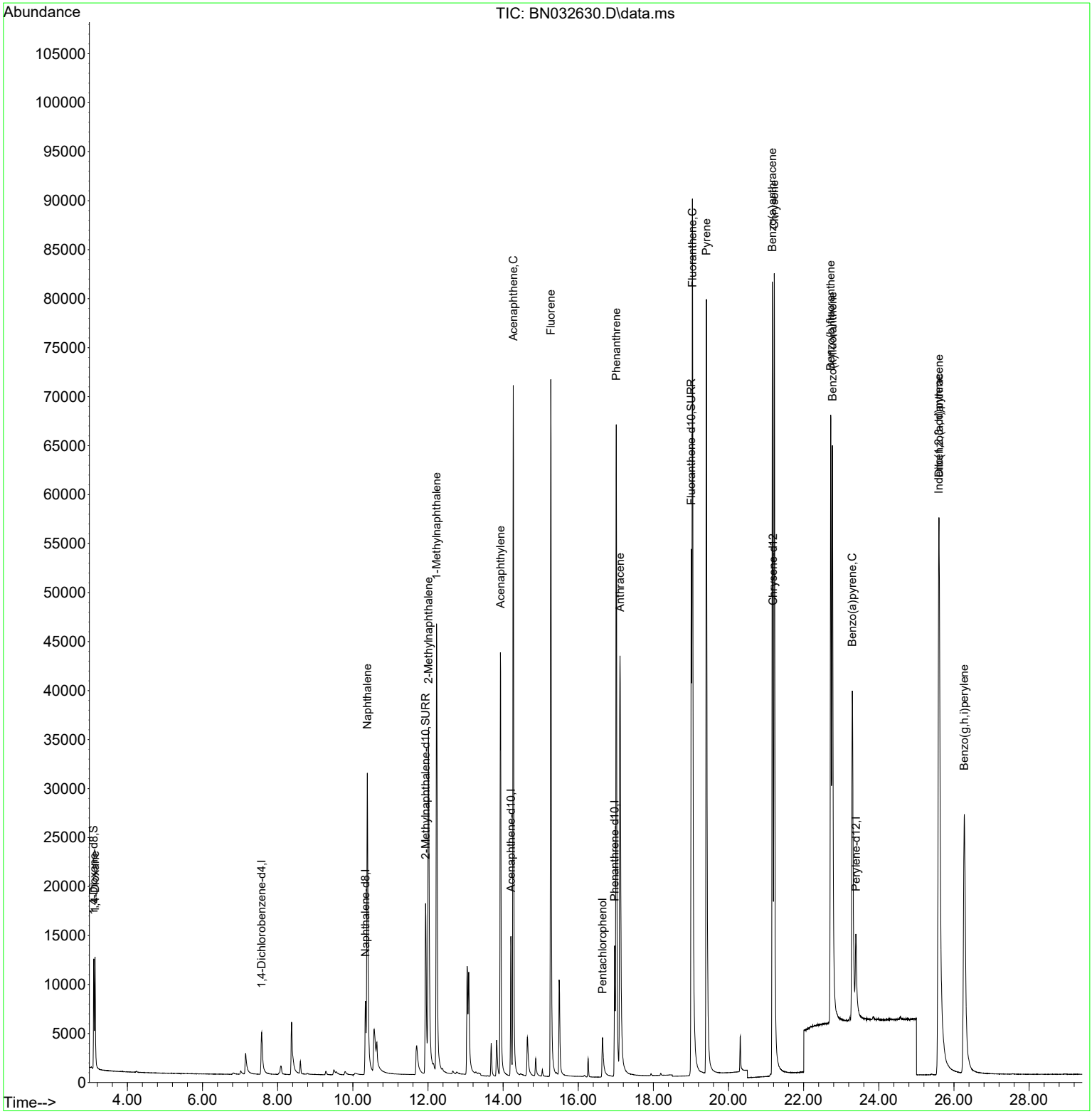
(#) = qualifier out of range (m) = manual integration (+) = signals summed

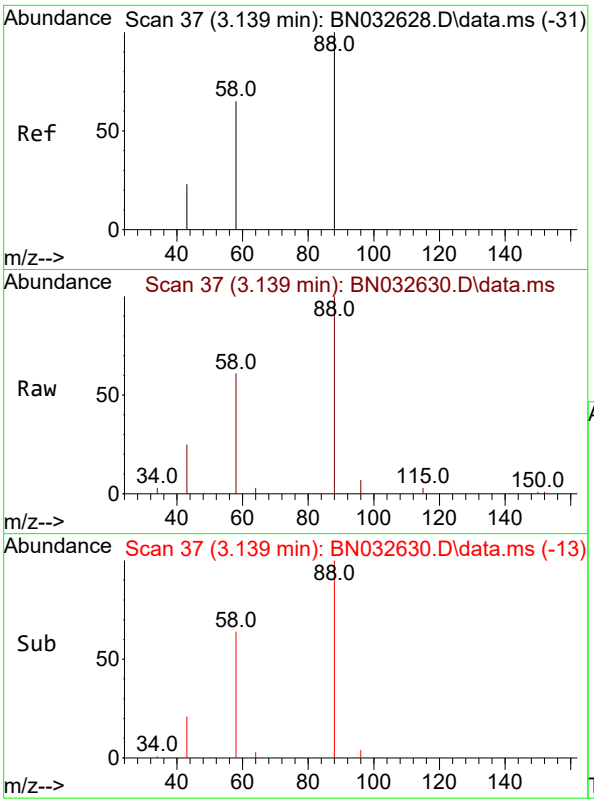
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032630.D
Acq On : 11 Jul 2024 11:41
Operator : MA/JU
Sample : SSTD1.611
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
SSTD1.6241

Quant Time: Jul 12 01:32:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 01:27:09 2024
Response via : Initial Calibration



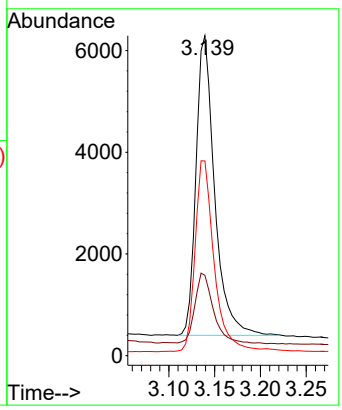


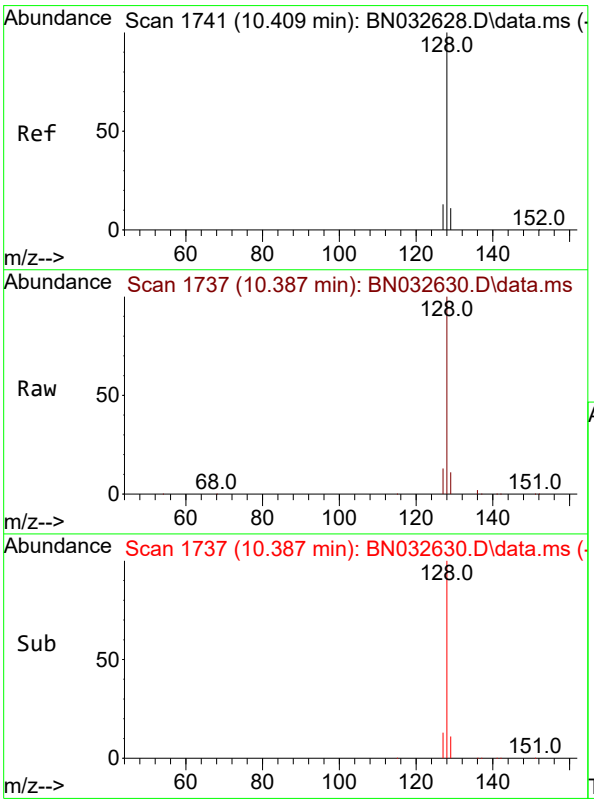

#2
1,4-Dioxane
Concen: 1.337 ng/ul
RT: 3.139 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN032630.D
Acq: 11 Jul 2024 11:41

**Instrument :**
BNA_N
**ClientSampleId :**
SSTD1.6241

Tgt Ion: 88 Resp: 8372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 25.1 | 24.0 | 36.0 |
| 58 | 60.8 | 43.3 | 64.9 |

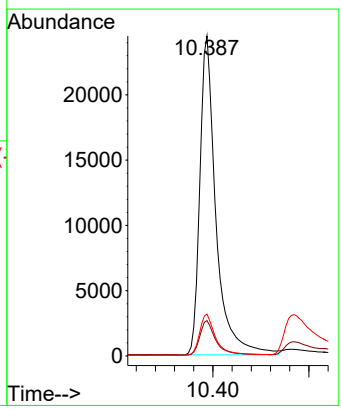


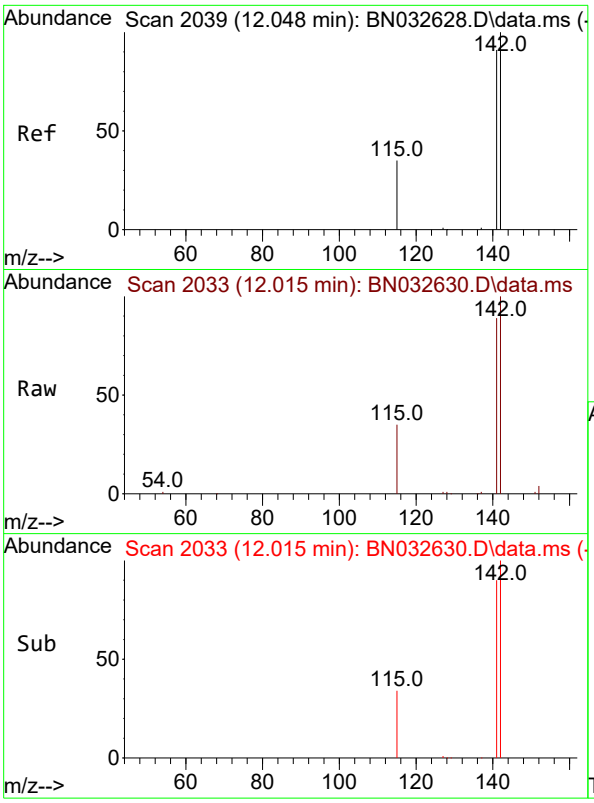




#5
Naphthalene
Concen: 1.618 ng/ul
RT: 10.387 min Scan# 1737
Delta R.T. -0.022 min
Lab File: BN032630.D
Acq: 11 Jul 2024 11:41

Tgt Ion:128 Resp: 56878

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.0 | 10.0 | 15.0 |
| 127 | 13.1 | 11.6 | 17.4 |



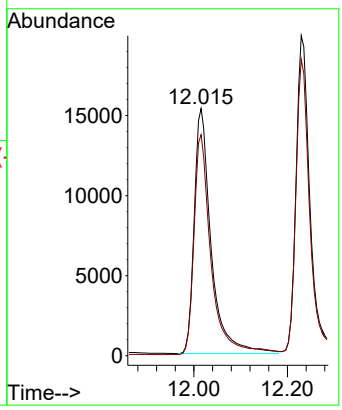


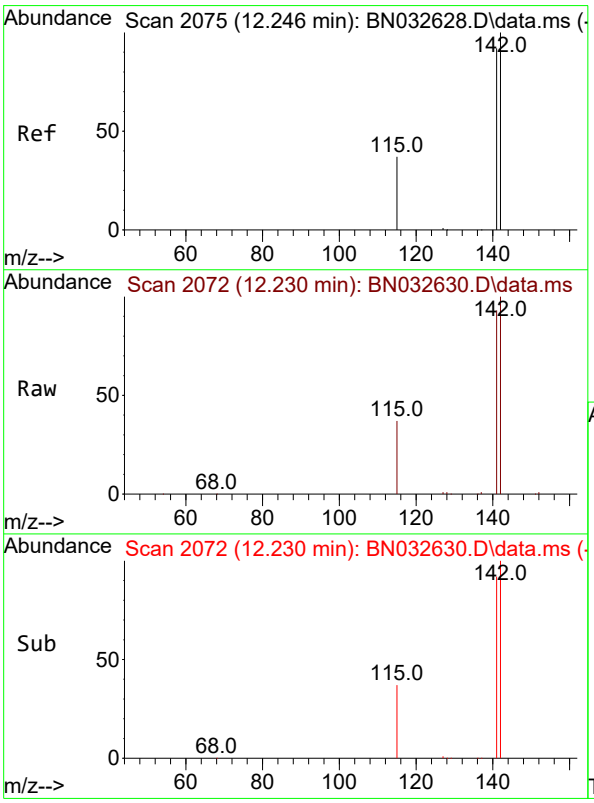

#7
2-Methylnaphthalene
Concen: 1.717 ng/ul
RT: 12.015 min Scan# 2
Delta R.T. -0.033 min
Lab File: BN032630.D
Acq: 11 Jul 2024 11:41

**Instrument :**
BNA_N
**ClientSampleId :**
SSTD1.6241

Tgt Ion:142 Resp: 38727

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.7 | 74.0 | 111.0 |

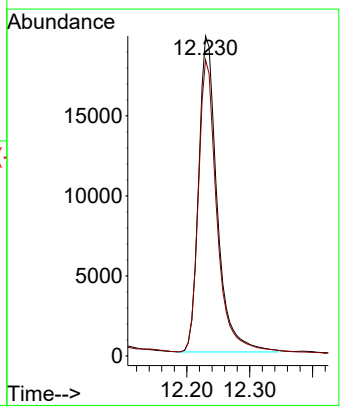


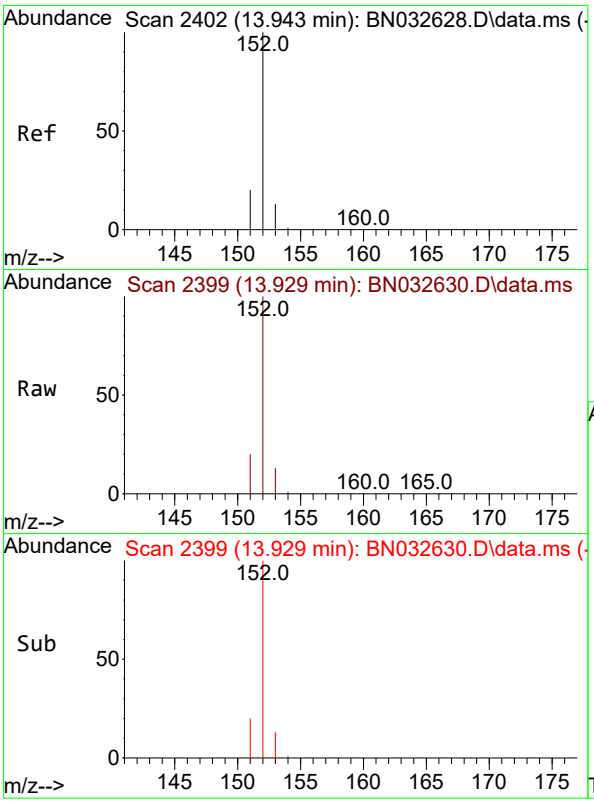




#8
1-Methylnaphthalene
Concen: 1.682 ng/ul
RT: 12.230 min Scan# 2072
Delta R.T. -0.016 min
Lab File: BN032630.D
Acq: 11 Jul 2024 11:41

Tgt Ion:142 Resp: 40287

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.0 | 75.0 | 112.4 |



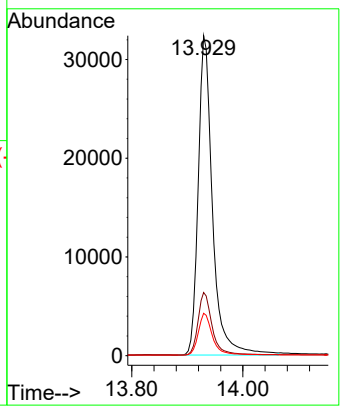


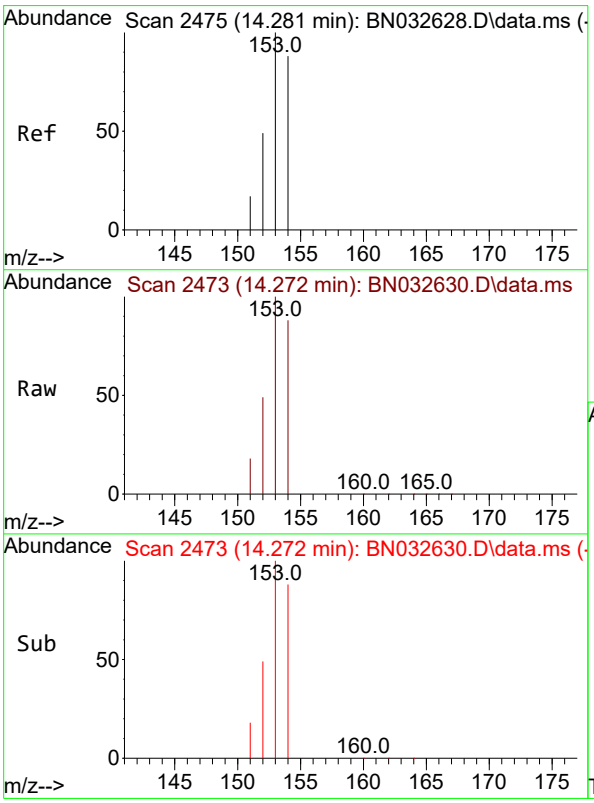

#10
Acenaphthylene
Concen: 1.659 ng/ul
RT: 13.929 min Scan# 2
Delta R.T. -0.014 min
Lab File: BN032630.D
Acq: 11 Jul 2024 11:41

**Instrument :**
BNA_N
**ClientSampleId :**
SSTD1.6241

Tgt Ion:152 Resp: 57992

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.8 | 16.3 | 24.5 |
| 153 | 13.2 | 11.3 | 16.9 |

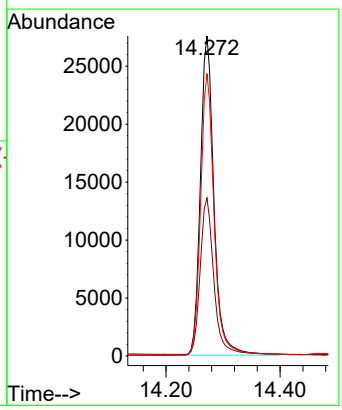


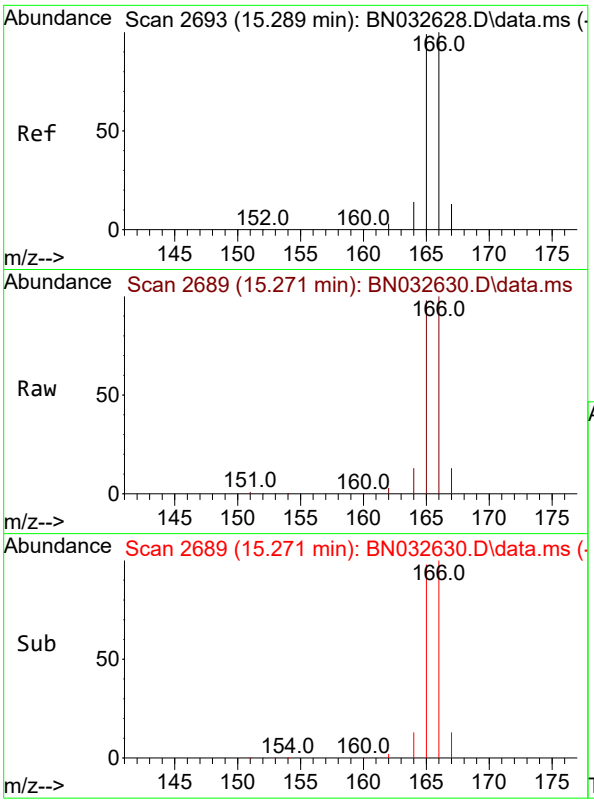




#11
Acenaphthene
Concen: 1.573 ng/ul
RT: 14.272 min Scan# 2473
Delta R.T. -0.009 min
Lab File: BN032630.D
Acq: 11 Jul 2024 11:41

Tgt Ion:153 Resp: 45466

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 49.4 | 40.0 | 60.0 |
| 154 | 88.2 | 70.2 | 105.4 |



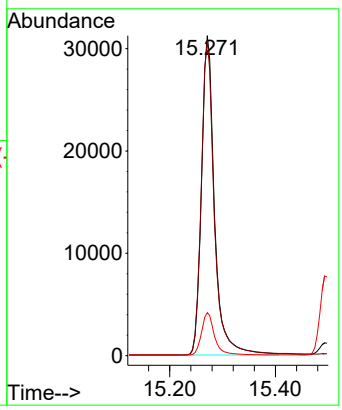


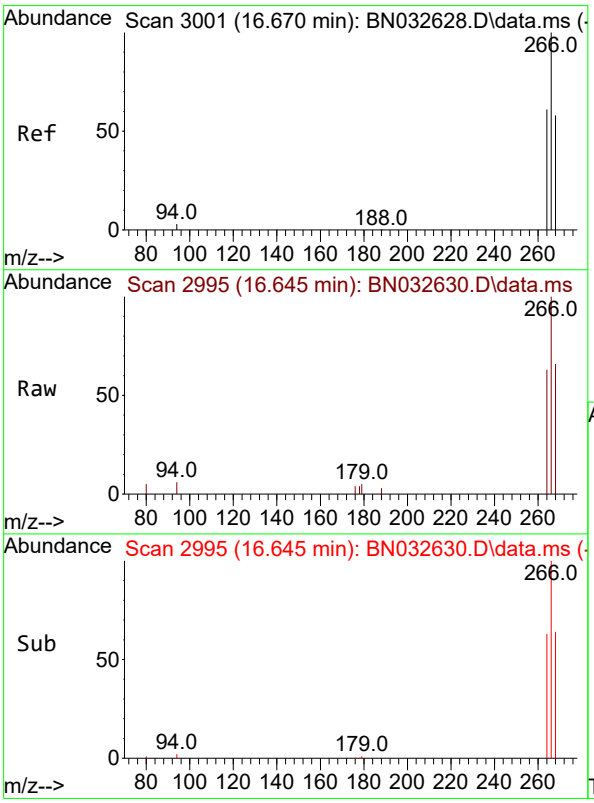

#12
Fluorene
Concen: 1.617 ng/ul
RT: 15.271 min Scan# 2
Delta R.T. -0.018 min
Lab File: BN032630.D
Acq: 11 Jul 2024 11:41

**Instrument :**
BNA_N
**ClientSampleId :**
SSTD1.6241

Tgt Ion:166 Resp: 53448

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.5 | 79.7 | 119.5 |
| 167 | 13.5 | 11.4 | 17.2 |

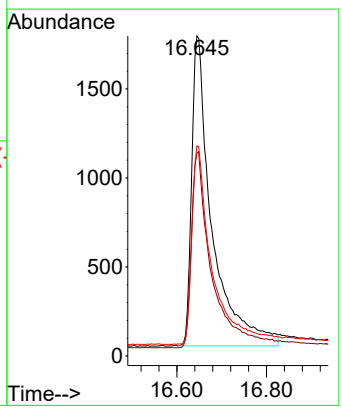


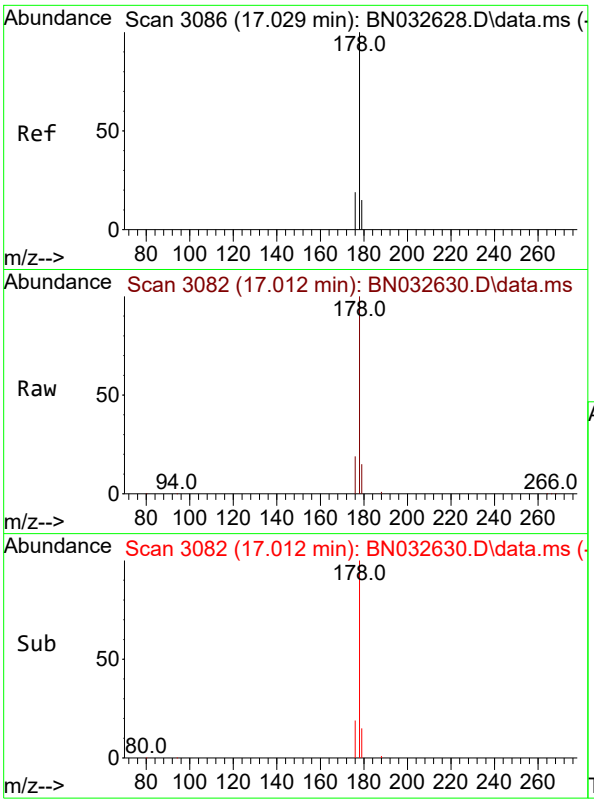




#14
Pentachlorophenol
Concen: 1.657 ng/ul
RT: 16.645 min Scan# 2995
Delta R.T. -0.025 min
Lab File: BN032630.D
Acq: 11 Jul 2024 11:41

Tgt Ion:266 Resp: 5457

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 63.2 | 49.4 | 74.2 |
| 268 | 64.4 | 51.6 | 77.4 |



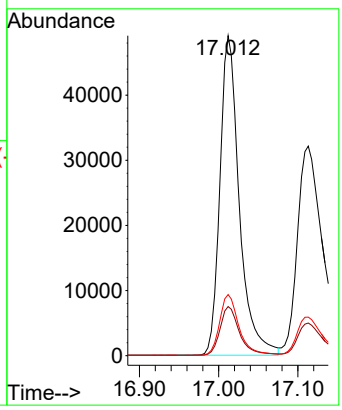


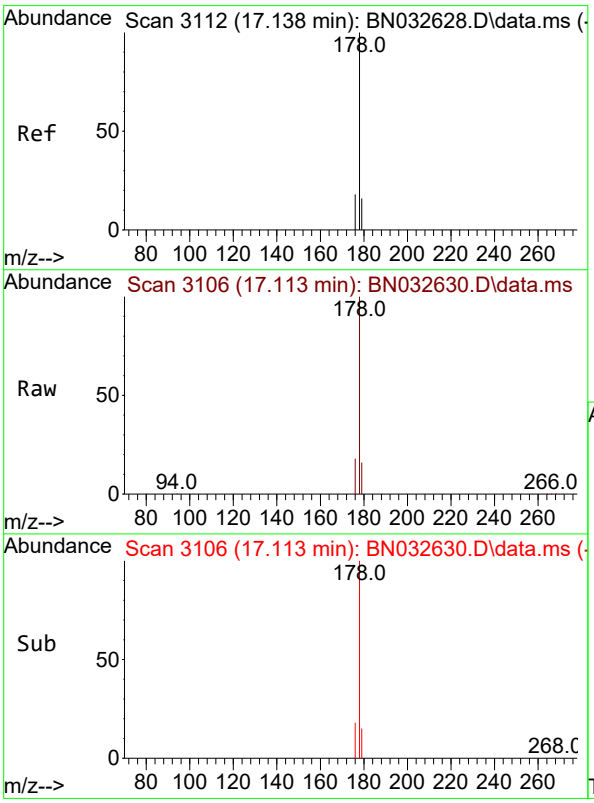

#15
Phenanthrene
Concen: 1.636 ng/ul
RT: 17.012 min Scan# 3
Delta R.T. -0.017 min
Lab File: BN032630.D
Acq: 11 Jul 2024 11:41

**Instrument :**
BNA_N
**ClientSampleId :**
SSTD1.6241

Tgt Ion:178 Resp: 83604

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.3 | 13.0 | 19.4 |
| 176 | 19.1 | 15.6 | 23.4 |

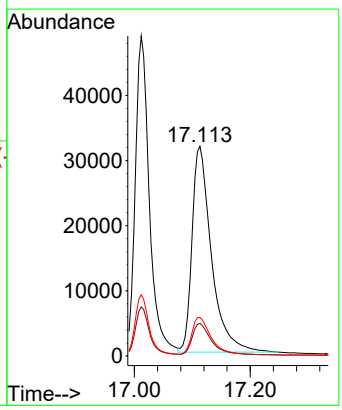


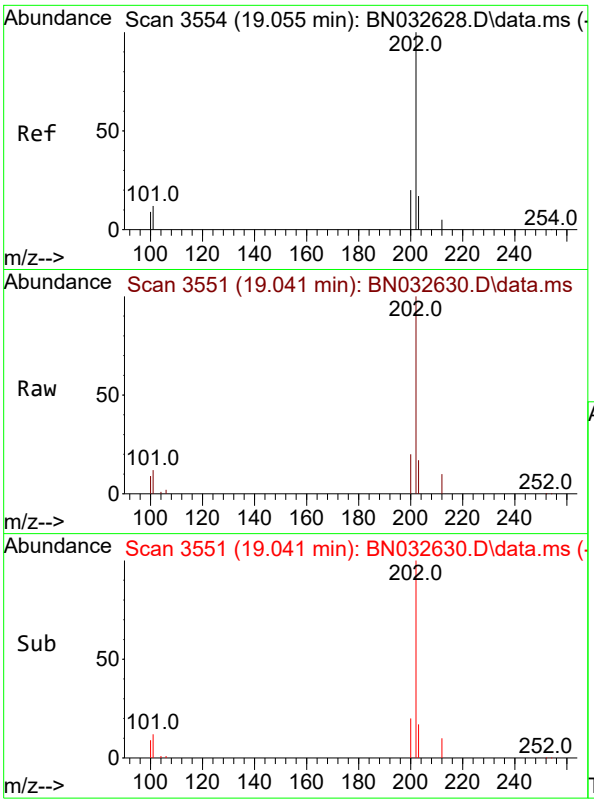




#16
Anthracene
Concen: 1.763 ng/ul
RT: 17.113 min Scan# 3106
Delta R.T. -0.025 min
Lab File: BN032630.D
Acq: 11 Jul 2024 11:41

Tgt Ion:178 Resp: 73627

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.6 | 13.4 | 20.2 |
| 176 | 18.4 | 15.4 | 23.0 |



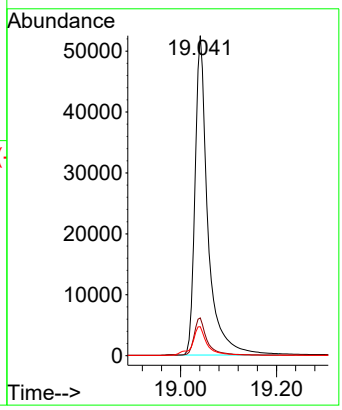


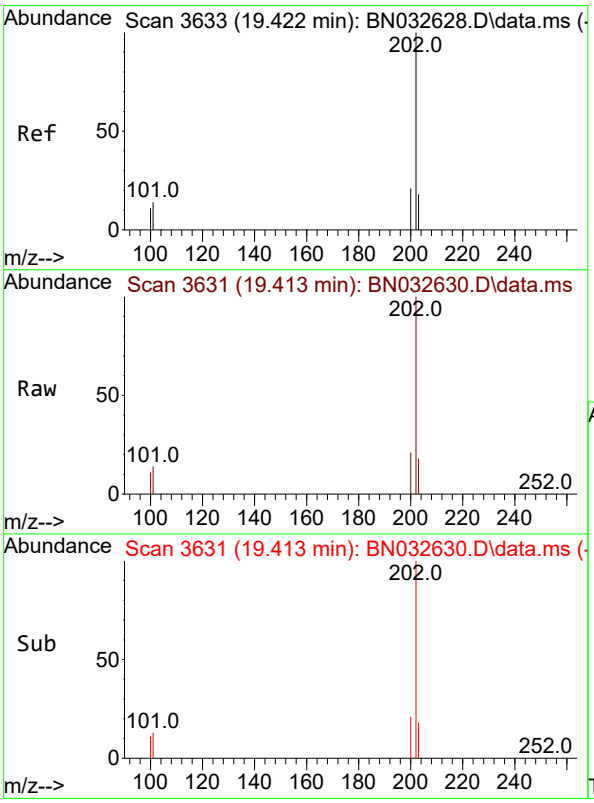

#19
Fluoranthene
Concen: 1.681 ng/ul
RT: 19.041 min Scan# 3
Delta R.T. -0.014 min
Lab File: BN032630.D
Acq: 11 Jul 2024 11:41

**Instrument :**
BNA_N
**ClientSampleId :**
SSTD1.6241

Tgt Ion:202 Resp: 97992

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.8 | 9.8 | 14.8 |
| 100 | 9.1 | 7.9 | 11.9 |

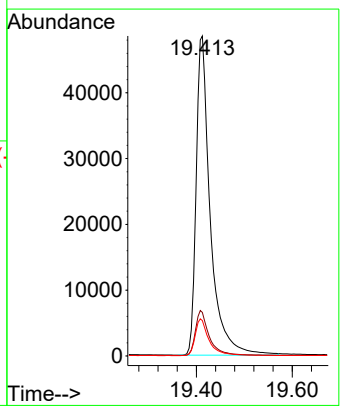


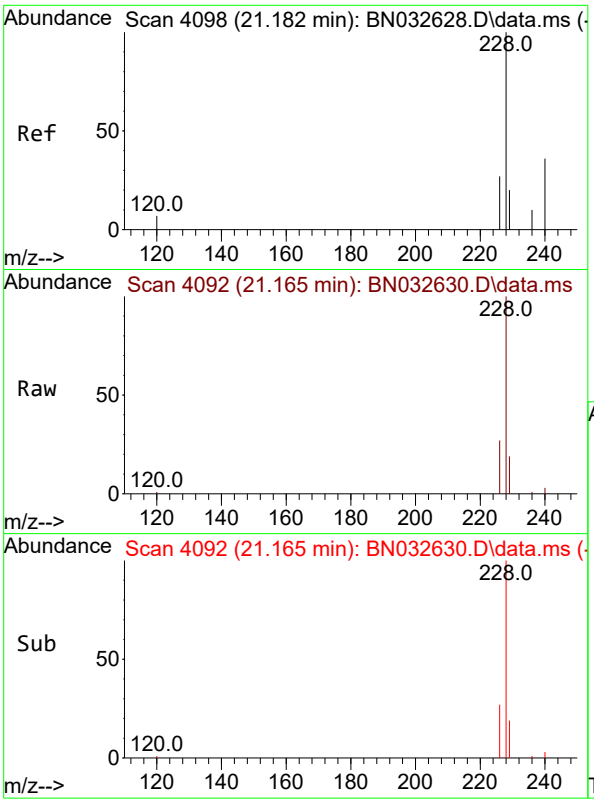




#20
Pyrene
Concen: 1.620 ng/ul
RT: 19.413 min Scan# 3631
Delta R.T. -0.009 min
Lab File: BN032630.D
Acq: 11 Jul 2024 11:41

Tgt Ion:202 Resp: 99516

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.6 | 11.8 | 17.6 |
| 100 | 11.1 | 9.6 | 14.4 |



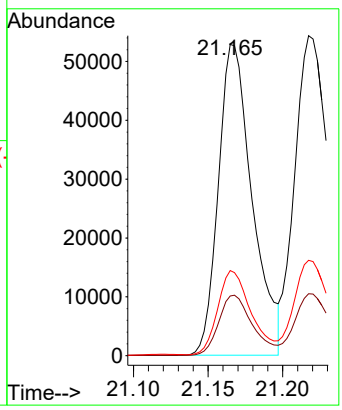


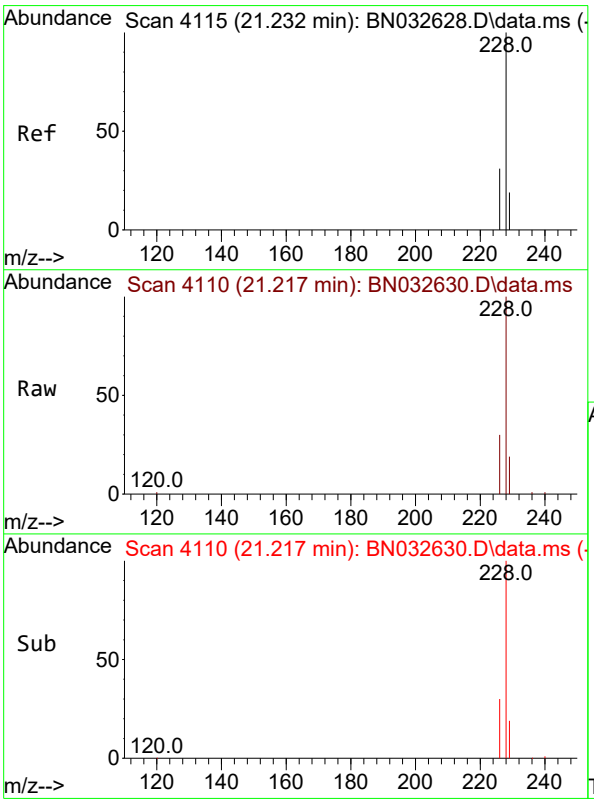

#21
Benzo(a)anthracene
Concen: 1.720 ng/ul
RT: 21.165 min Scan# 4
Delta R.T. -0.017 min
Lab File: BN032630.D
Acq: 11 Jul 2024 11:41

**Instrument :**
BNA_N
**ClientSampleId :**
SSTD1.6241

Tgt Ion:228 Resp: 83436

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 19.2 | 16.1 | 24.1 |
| 226 | 27.4 | 21.9 | 32.9 |

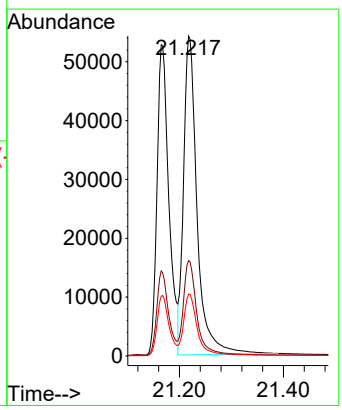


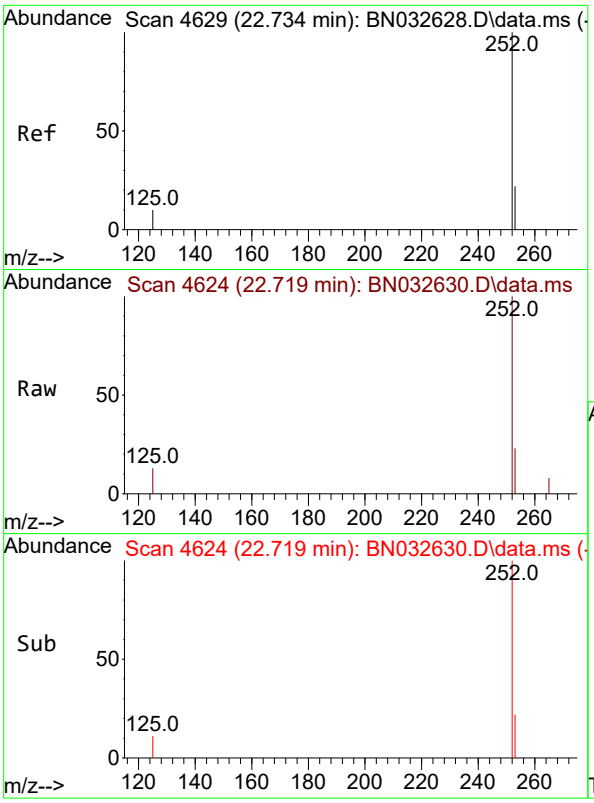




#22
Chrysene
Concen: 1.520 ng/ul
RT: 21.217 min Scan# 4110
Delta R.T. -0.014 min
Lab File: BN032630.D
Acq: 11 Jul 2024 11:41

Tgt Ion:228 Resp: 97859

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.8 | 24.0 | 36.0 |
| 229 | 19.4 | 15.8 | 23.6 |



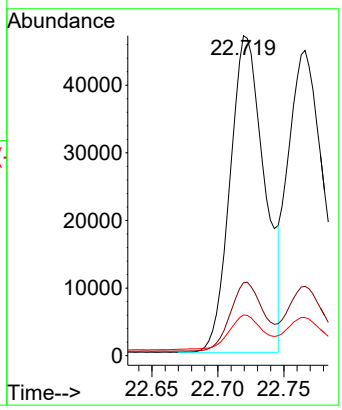


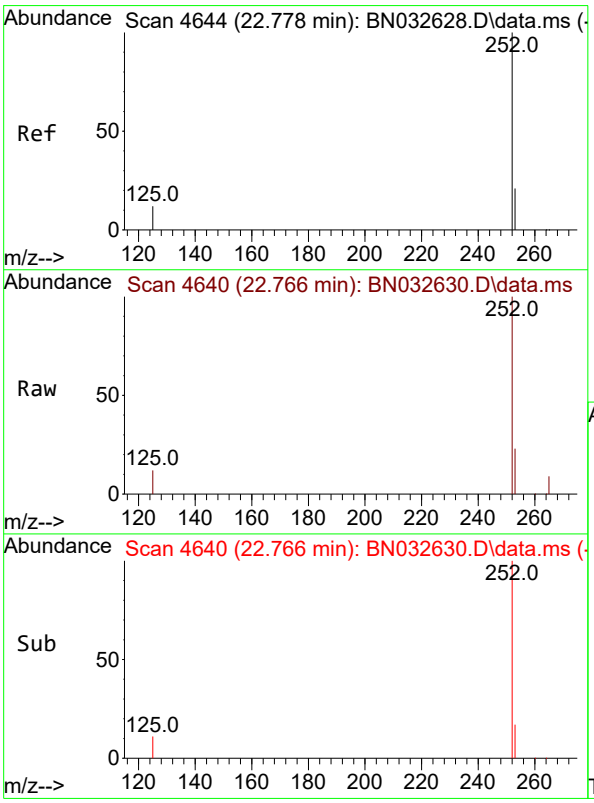

#24
Benzo(b)fluoranthene
Concen: 1.702 ng/ul
RT: 22.719 min Scan# 4
Delta R.T. -0.015 min
Lab File: BN032630.D
Acq: 11 Jul 2024 11:41

**Instrument :**
BNA_N
**ClientSampleId :**
SSTD1.6241

Tgt Ion:252 Resp: 84831

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.8 | 0.0 | 54.0 |
| 125 | 12.7 | 0.0 | 36.0 |

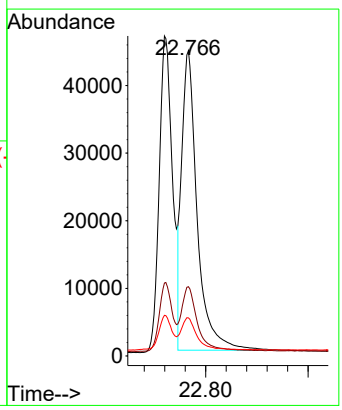


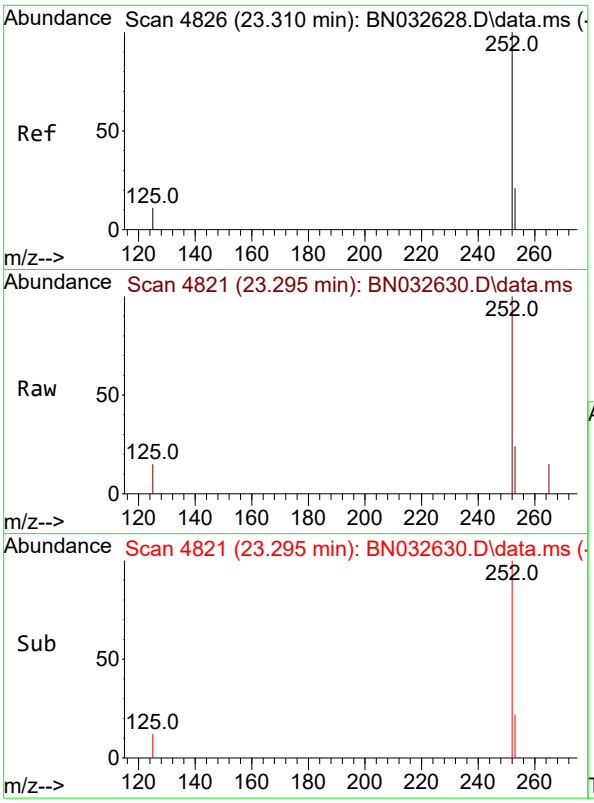




#25
Benzo(k)fluoranthene
Concen: 1.774 ng/ul
RT: 22.766 min Scan# 4640
Delta R.T. -0.012 min
Lab File: BN032630.D
Acq: 11 Jul 2024 11:41

Tgt Ion:252 Resp: 93260

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.7 | 21.2 | 31.8 |
| 125 | 12.5 | 14.8 | 22.2# |



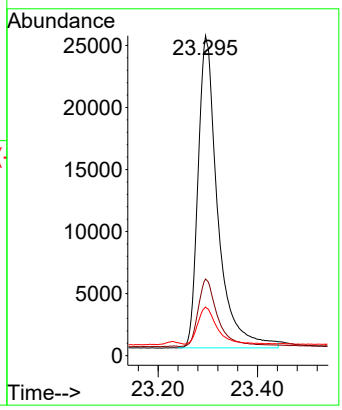


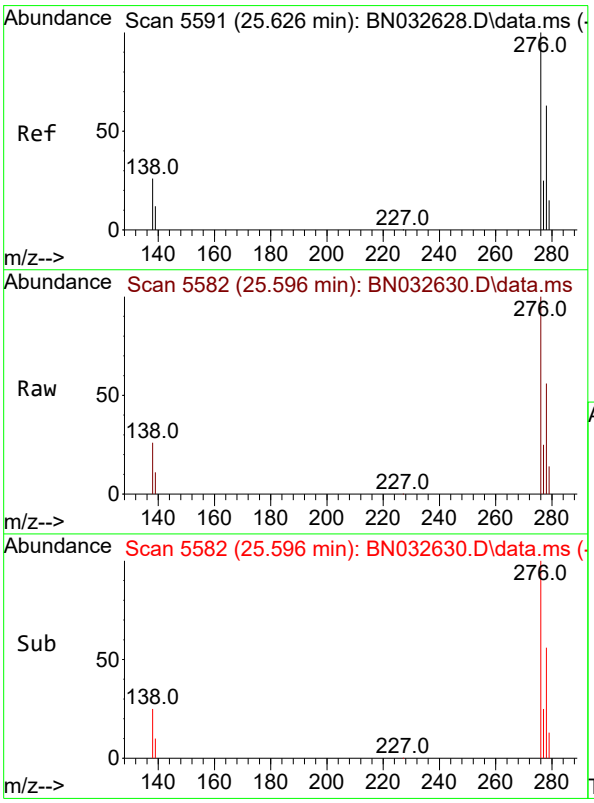

#26
Benzo(a)pyrene
Concen: 1.600 ng/ul
RT: 23.295 min Scan# 4
Delta R.T. -0.015 min
Lab File: BN032630.D
Acq: 11 Jul 2024 11:41

**Instrument :**
BNA_N
**ClientSampleId :**
SSTD1.6241

Tgt Ion:252 Resp: 69030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.0 | 25.4 | 38.0# |
| 125 | 15.2 | 20.6 | 30.8# |

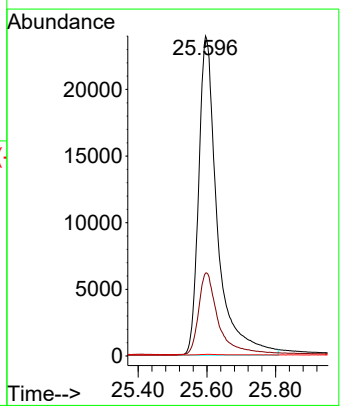


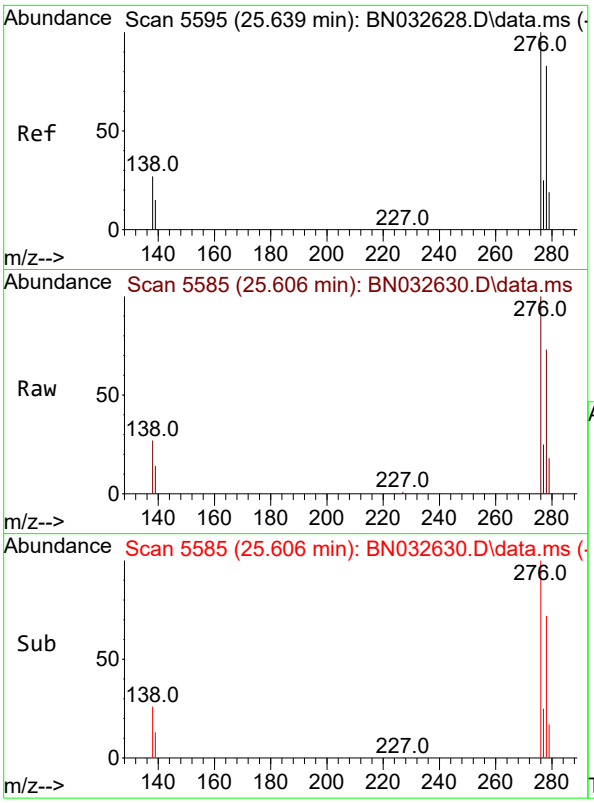




#27
Indeno(1,2,3-cd)pyrene
Concen: 1.550 ng/ul
RT: 25.596 min Scan# 5582
Delta R.T. -0.030 min
Lab File: BN032630.D
Acq: 11 Jul 2024 11:41

Tgt Ion:276 Resp: 90524

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 27.1 | 21.6 | 32.4 |
| 227 | 0.2 | 0.0 | 0.0# |



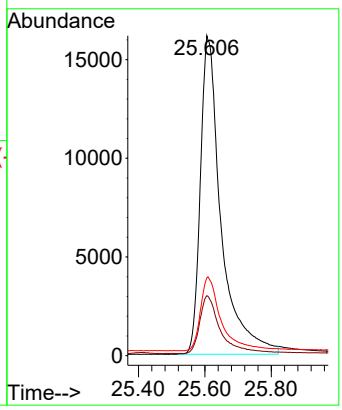


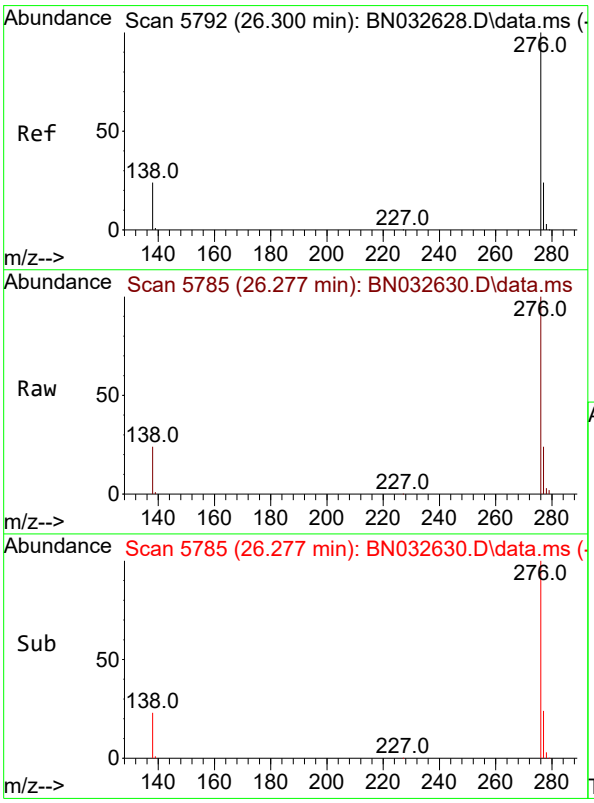

#28
Dibenzo(a,h)anthracene
Concen: 1.543 ng/ul
RT: 25.606 min Scan# 5
Delta R.T. -0.033 min
Lab File: BN032630.D
Acq: 11 Jul 2024 11:41

**Instrument :**
BNA_N
**ClientSampleId :**
SSTD1.6241

Tgt Ion:278 Resp: 69858

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 18.8 | 16.6 | 24.8 |
| 279 | 24.3 | 23.7 | 35.5 |




#29
Benzo(g,h,i)perylene
Concen: 1.478 ng/ul
RT: 26.277 min Scan# 5785
Delta R.T. -0.023 min
Lab File: BN032630.D
Acq: 11 Jul 2024 11:41

Tgt Ion:276 Resp: 72133

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 23.9 | 21.0 | 31.4 |
| 277 | 24.0 | 20.6 | 31.0 |