Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072524\
Data File : BN032985.D
Acq On : 25 Jul 2024 23:11
Operator : MA/JU
Sample : PB162101BS
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
SLCS101

Quant Time: Jul 26 01:19:32 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN072524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 25 15:43:00 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.533 | 152 | 2899 | 0.400 | ng/ul | 0.00 |
| 4) Naphthalene-d8 | 10.317 | 136 | 11098 | 0.400 | ng/ul | 0.02 |
| 9) Acenaphthene-d10 | 14.171 | 164 | 8026 | 0.400 | ng/ul | 0.00 |
| 13) Phenanthrene-d10 | 16.945 | 188 | 18345 | 0.400 | ng/ul | 0.00 |
| 17) Chrysene-d12 | 21.154 | 240 | 17906 | 0.400 | ng/ul | 0.00 |
| 23) Perylene-d12 | 23.340 | 264 | 21722 | 0.400 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.069 | 96 | 2028 | 0.553 | ng/ul | 0.00 |
| 6) 2-Methylnaphthalene-d10 | 11.923 | 152 | 4798 | 0.265 | ng/ul | 0.01 |
| 18) Fluoranthene-d10 | 18.981 | 212 | 14626 | 0.288 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.098 | 88 | 5980 | 1.430 | ng/ul# | 72 |
| 5) Naphthalene | 10.366 | 128 | 8544 | 0.300 | ng/ul | 99 |
| 7) 2-Methylnaphthalene | 12.000 | 142 | 5406 | 0.280 | ng/ul | 100 |
| 8) 1-Methylnaphthalene | 12.203 | 142 | 5610 | 0.269 | ng/ul | 98 |
| 10) Acenaphthylene | 13.902 | 152 | 9240 | 0.281 | ng/ul | 99 |
| 11) Acenaphthene | 14.236 | 153 | 7464 | 0.302 | ng/ul | 99 |
| 12) Fluorene | 15.249 | 166 | 8218 | 0.285 | ng/ul | 99 |
| 14) Pentachlorophenol | 16.629 | 266 | 1834 | 0.491 | ng/ul | 99 |
| 15) Phenanthrene | 16.987 | 178 | 13397 | 0.272 | ng/ul | 100 |
| 16) Anthracene | 17.089 | 178 | 12040 | 0.272 | ng/ul | 100 |
| 19) Fluoranthene | 19.014 | 202 | 17827 | 0.302 | ng/ul | 99 |
| 20) Pyrene | 19.381 | 202 | 19287 | 0.305 | ng/ul | 98 |
| 21) Benzo(a)anthracene | 21.139 | 228 | 17053 | 0.279 | ng/ul | 99 |
| 22) Chrysene | 21.189 | 228 | 21508 | 0.302 | ng/ul | 99 |
| 24) Benzo(b)fluoranthene | 22.685 | 252 | 19409 | 0.306 | ng/ul | 97 |
| 25) Benzo(k)fluoranthene | 22.729 | 252 | 22916 | 0.301 | ng/ul | 96 |
| 26) Benzo(a)pyrene | 23.252 | 252 | 19978 | 0.335 | ng/ul | 95 |
| 27) Indeno(1,2,3-cd)pyrene | 25.550 | 276 | 24684 | 0.272 | ng/ul# | 99 |
| 28) Dibenzo(a,h)anthracene | 25.547 | 278 | 19289 | 0.268 | ng/ul | 99 |
| 29) Benzo(g,h,i)perylene | 26.228 | 276 | 19523 | 0.271 | ng/ul | 99 |

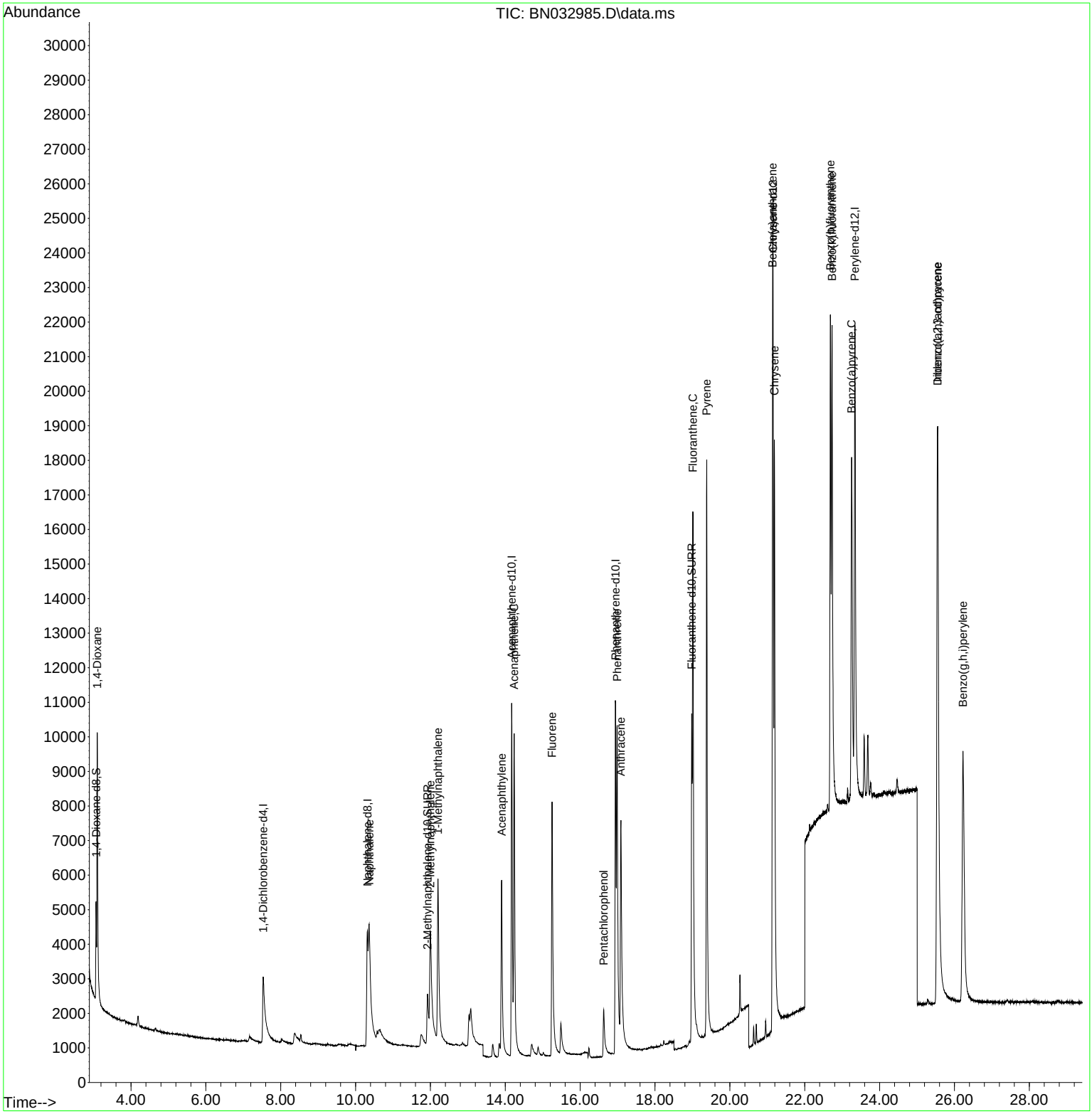
(#) = qualifier out of range (m) = manual integration (+) = signals summed

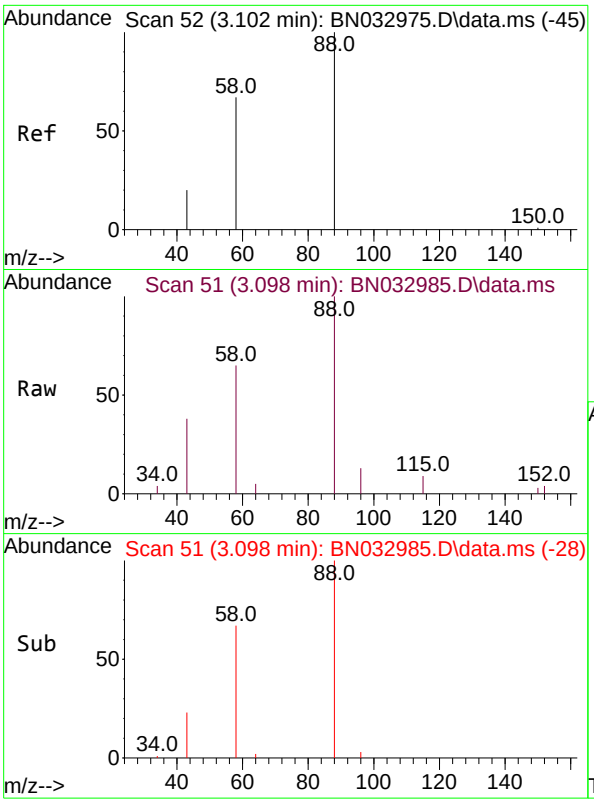
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072524\
Data File : BN032985.D
Acq On : 25 Jul 2024 23:11
Operator : MA/JU
Sample : PB162101BS
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
SLCS101

Quant Time: Jul 26 01:19:32 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN072524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 25 15:43:00 2024
Response via : Initial Calibration



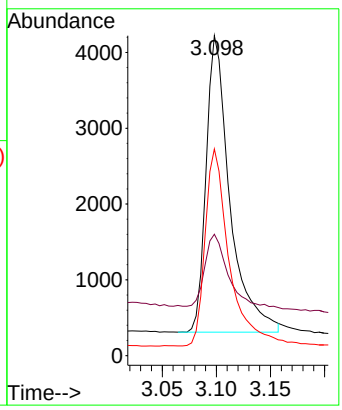


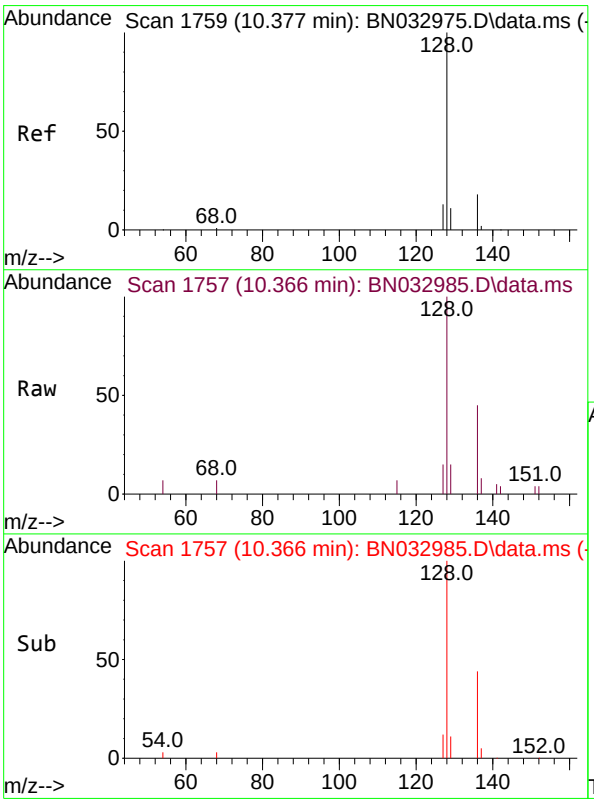

#2
1,4-Dioxane
Concen: 1.430 ng/ul
RT: 3.098 min Scan# 5
Delta R.T. -0.004 min
Lab File: BN032985.D
Acq: 25 Jul 2024 23:11

**Instrument :**
BNA_N
**ClientSampleId :**
SLCS101

Tgt Ion: 88 Resp: 5980

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 38.0 | 63.4 | 95.2# |
| 58 | 64.6 | 49.4 | 74.0 |

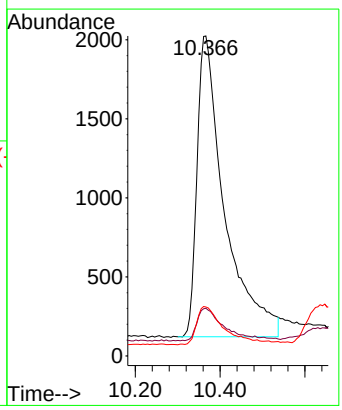


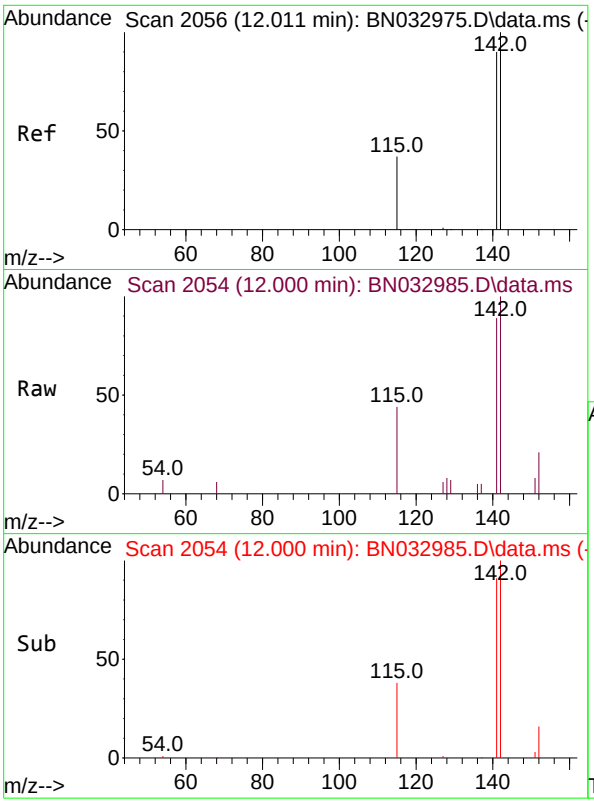




#5
Naphthalene
Concen: 0.300 ng/ul
RT: 10.366 min Scan# 1757
Delta R.T. 0.017 min
Lab File: BN032985.D
Acq: 25 Jul 2024 23:11

Tgt Ion:128 Resp: 8544

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 14.9 | 12.0 | 18.0 |
| 127 | 15.3 | 12.7 | 19.1 |



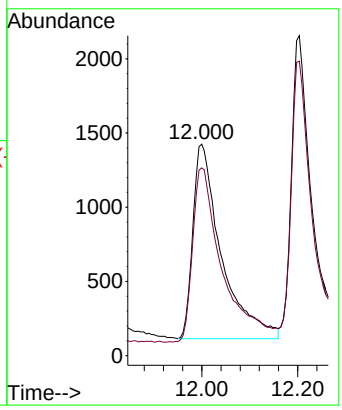


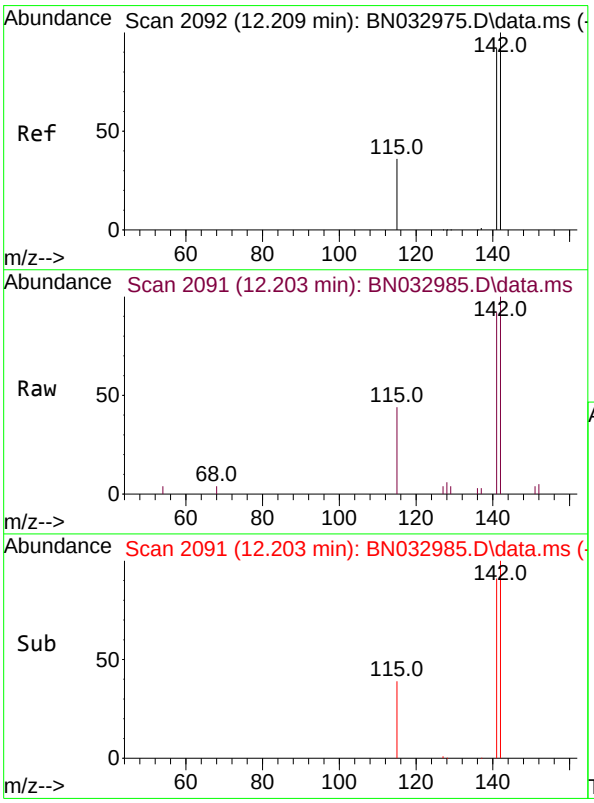

#7
2-Methylnaphthalene
Concen: 0.280 ng/ul
RT: 12.000 min Scan# 2
Delta R.T. 0.017 min
Lab File: BN032985.D
Acq: 25 Jul 2024 23:11

**Instrument :**
BNA_N
**ClientSampleId :**
SLCS101

Tgt Ion:142 Resp: 5406

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 94.2 | 75.2 | 112.8 |

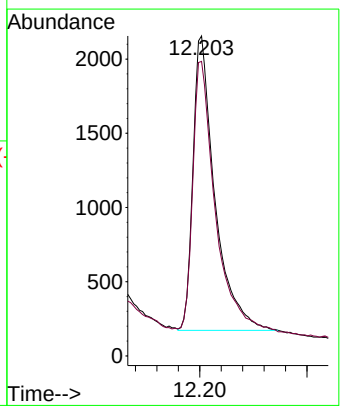


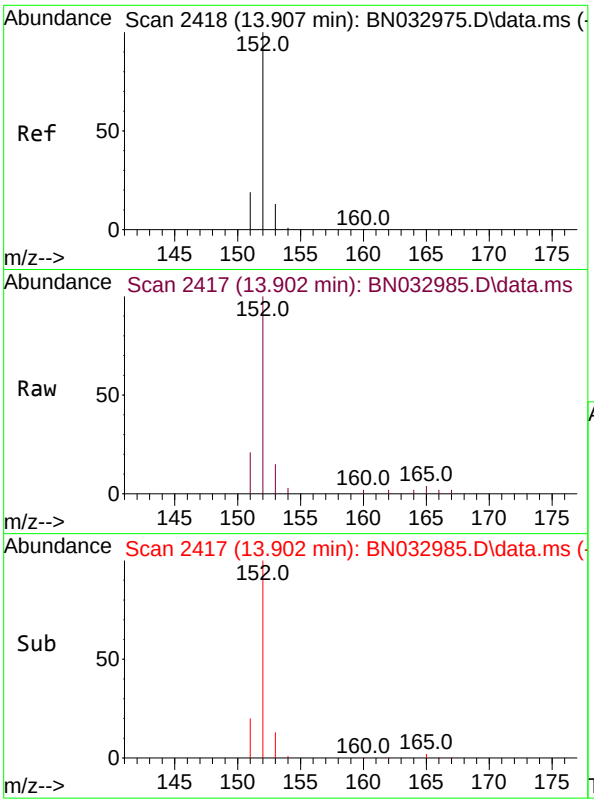




#8
1-Methylnaphthalene
Concen: 0.269 ng/ul
RT: 12.203 min Scan# 2091
Delta R.T. 0.006 min
Lab File: BN032985.D
Acq: 25 Jul 2024 23:11

Tgt Ion:142 Resp: 5610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 94.9 | 74.3 | 111.5 |



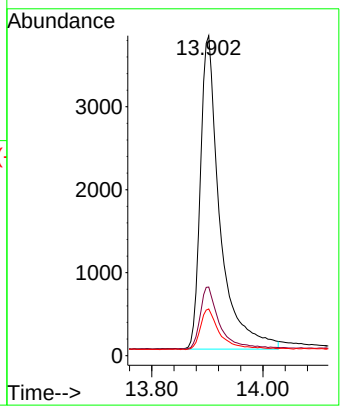


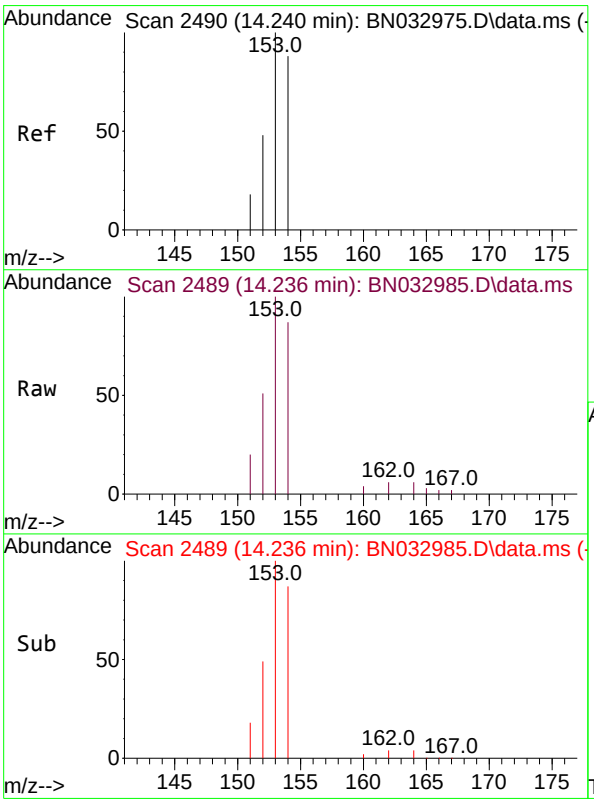

#10
Acenaphthylene
Concen: 0.281 ng/ul
RT: 13.902 min Scan# 24
Delta R.T. 0.005 min
Lab File: BN032985.D
Acq: 25 Jul 2024 23:11

**Instrument :**
BNA_N
**ClientSampleId :**
SLCS101

Tgt Ion:152 Resp: 9240

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 21.5 | 16.8 | 25.2 |
| 153 | 14.6 | 11.9 | 17.9 |

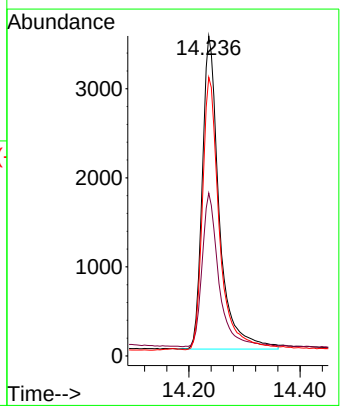


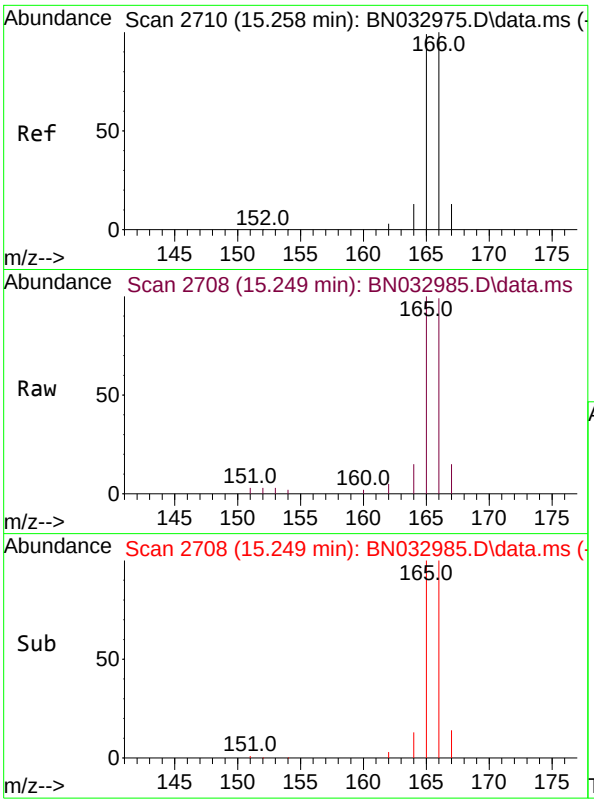




#11
Acenaphthene
Concen: 0.302 ng/ul
RT: 14.236 min Scan# 2489
Delta R.T. 0.000 min
Lab File: BN032985.D
Acq: 25 Jul 2024 23:11

Tgt Ion:153 Resp: 7464

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 50.9 | 40.0 | 60.0 |
| 154 | 87.1 | 70.1 | 105.1 |



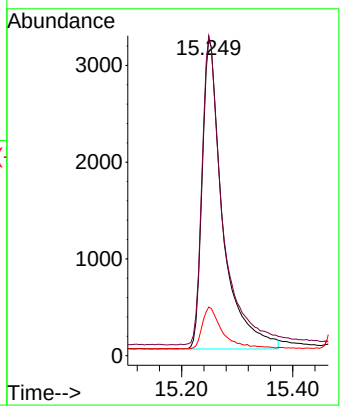


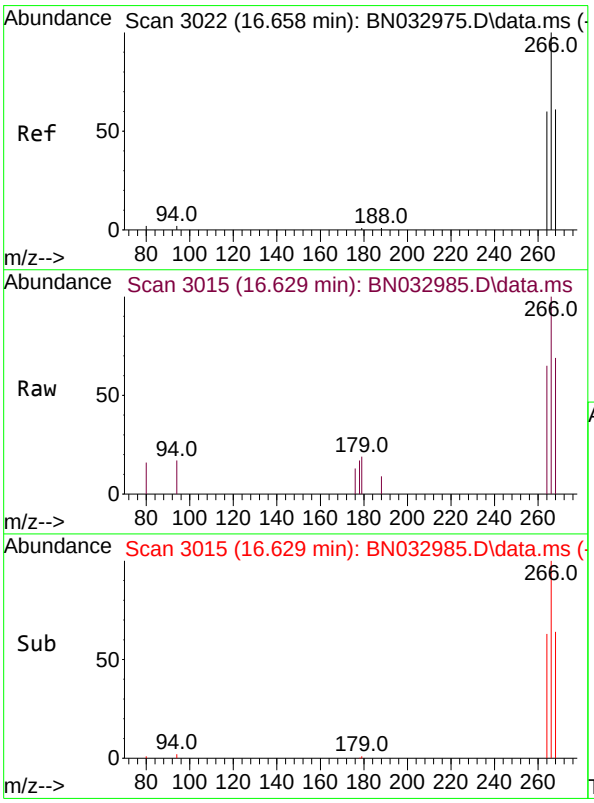

#12
Fluorene
Concen: 0.285 ng/ul
RT: 15.249 min Scan# 2
Delta R.T. 0.005 min
Lab File: BN032985.D
Acq: 25 Jul 2024 23:11

**Instrument :**
BNA_N
**ClientSampleId :**
SLCS101

Tgt Ion:166 Resp: 8218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 101.2 | 79.6 | 119.4 |
| 167 | 15.4 | 12.2 | 18.4 |

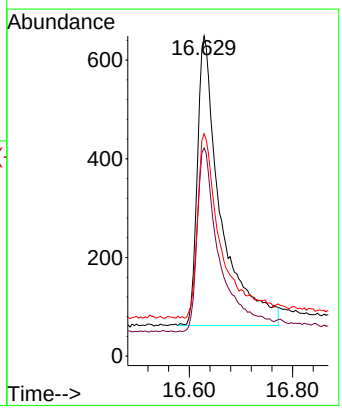


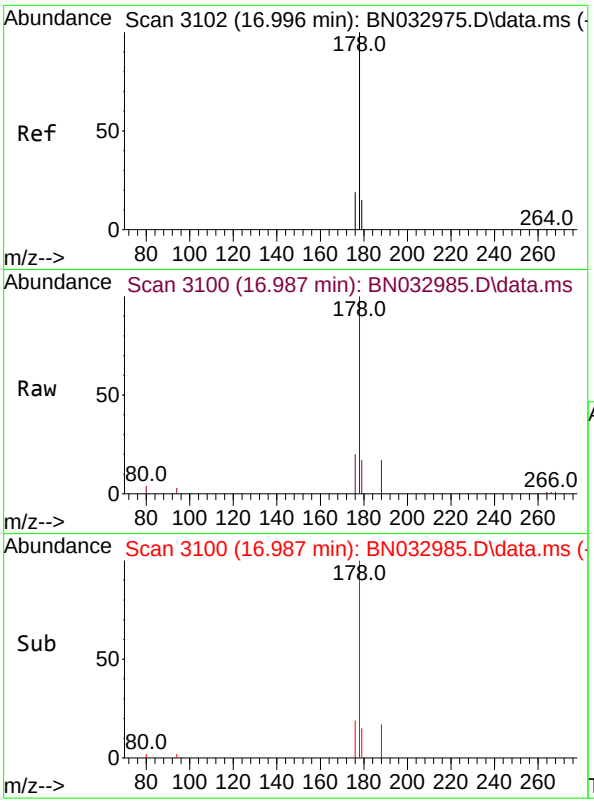




#14
Pentachlorophenol
Concen: 0.491 ng/ul
RT: 16.629 min Scan# 3015
Delta R.T. -0.008 min
Lab File: BN032985.D
Acq: 25 Jul 2024 23:11

Tgt Ion:266 Resp: 1834

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 63.2 | 49.3 | 73.9 |
| 268 | 64.9 | 51.8 | 77.8 |



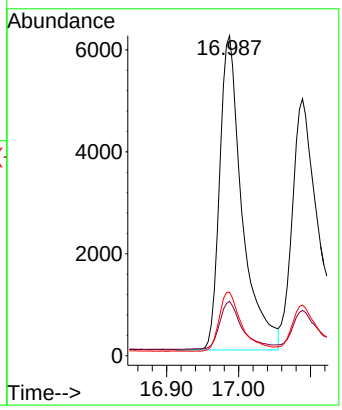


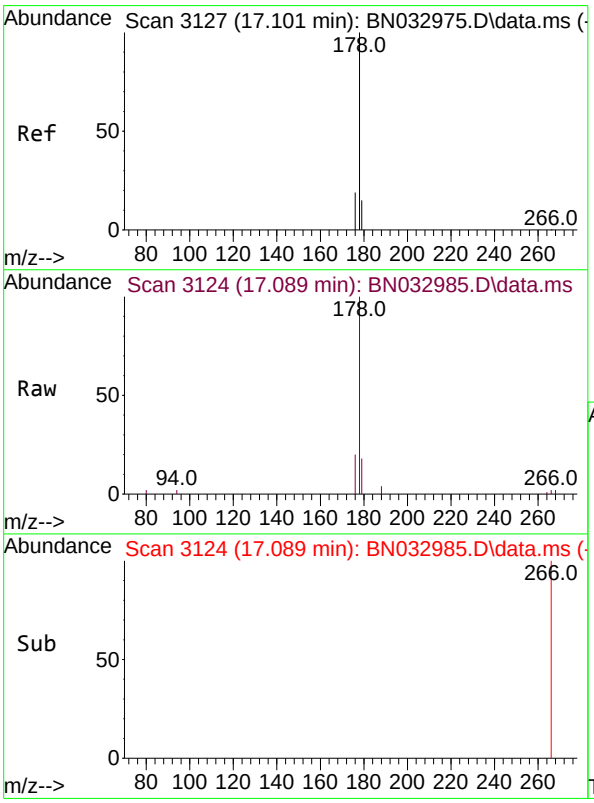

#15
Phenanthrene
Concen: 0.272 ng/ul
RT: 16.987 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN032985.D
Acq: 25 Jul 2024 23:11

**Instrument :**
BNA_N
**ClientSampleId :**
SLCS101

Tgt Ion:178 Resp: 13397

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 17.0 | 13.7 | 20.5 |
| 176 | 19.8 | 15.9 | 23.9 |

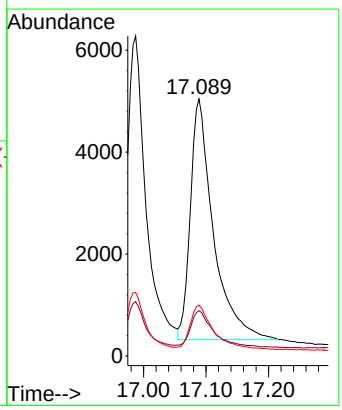


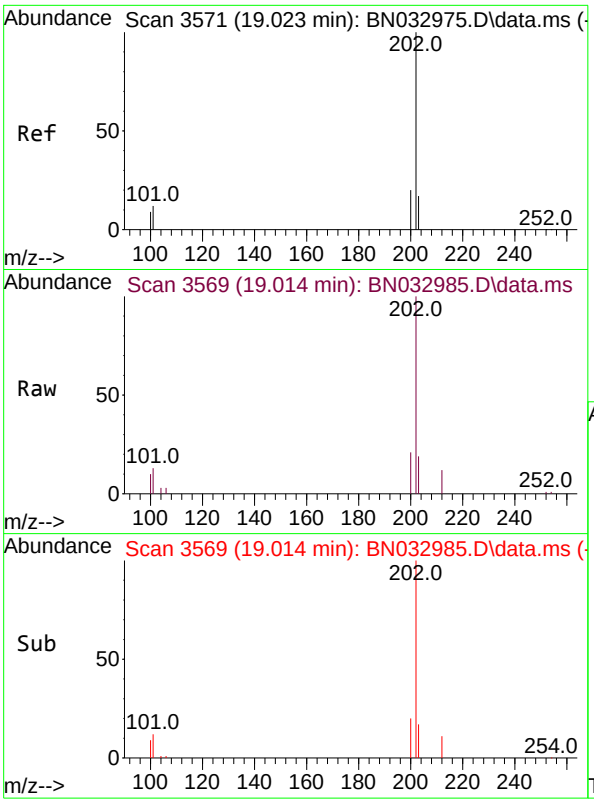




#16
Anthracene
Concen: 0.272 ng/ul
RT: 17.089 min Scan# 3124
Delta R.T. 0.004 min
Lab File: BN032985.D
Acq: 25 Jul 2024 23:11

Tgt Ion:178 Resp: 12040

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 17.6 | 14.3 | 21.5 |
| 176 | 19.7 | 15.8 | 23.8 |



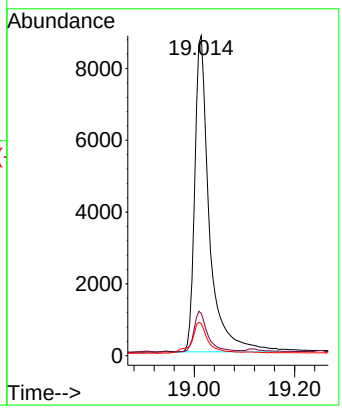


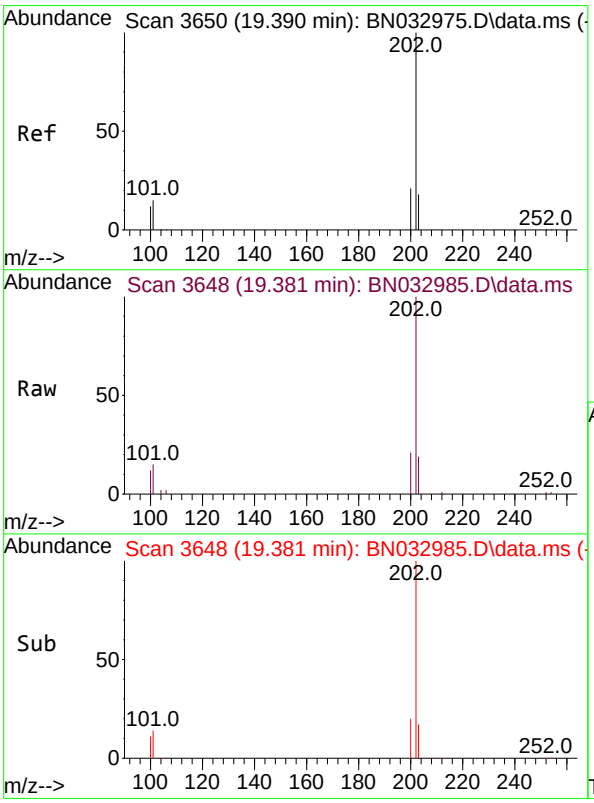

#19
Fluoranthene
Concen: 0.302 ng/ul
RT: 19.014 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN032985.D
Acq: 25 Jul 2024 23:11

**Instrument :**
BNA_N
**ClientSampleId :**
SLCS101

Tgt Ion:202 Resp: 17827

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.2 | 10.7 | 16.1 |
| 100 | 10.0 | 8.3 | 12.5 |

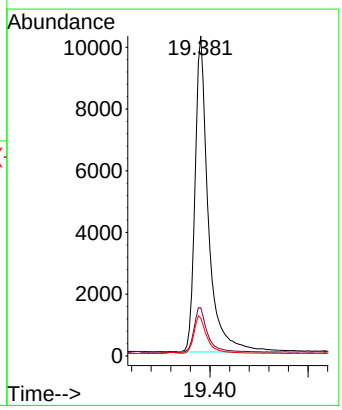


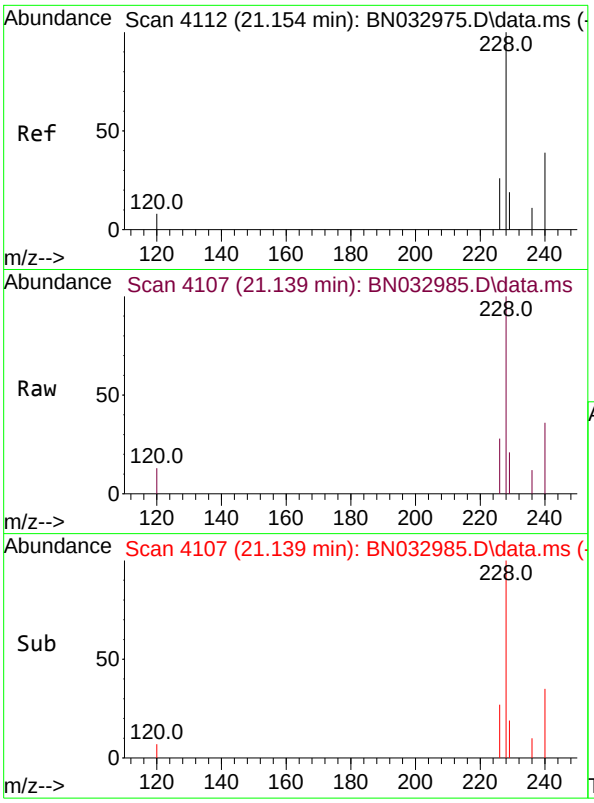




#20
Pyrene
Concen: 0.305 ng/ul
RT: 19.381 min Scan# 3648
Delta R.T. 0.000 min
Lab File: BN032985.D
Acq: 25 Jul 2024 23:11

Tgt Ion:202 Resp: 19287

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 15.1 | 12.6 | 18.8 |
| 100 | 11.8 | 9.9 | 14.9 |



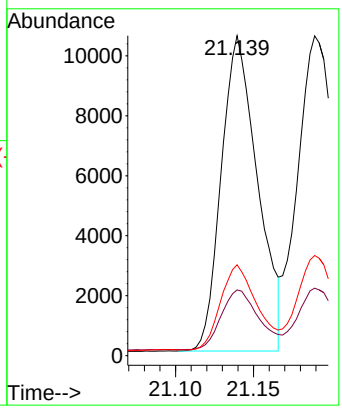


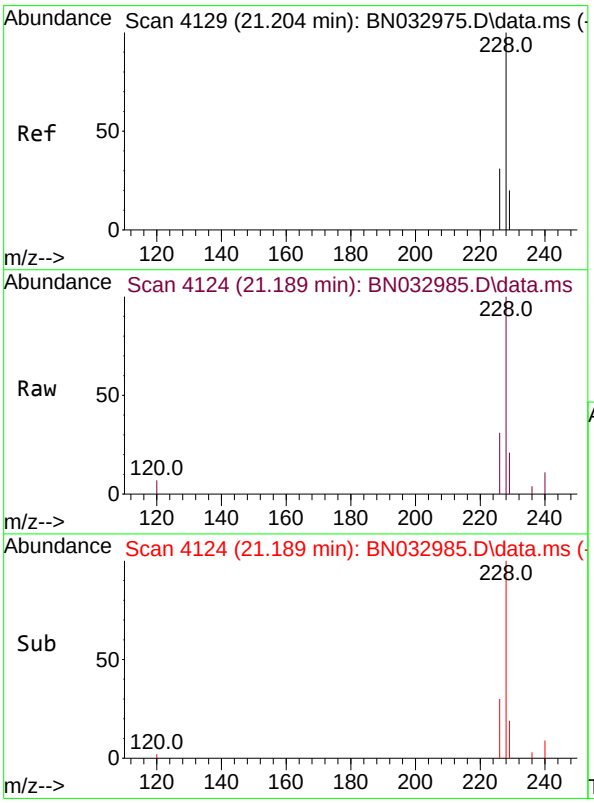

#21
Benzo(a)anthracene
Concen: 0.279 ng/ul
RT: 21.139 min Scan# 4
Delta R.T. -0.006 min
Lab File: BN032985.D
Acq: 25 Jul 2024 23:11

**Instrument :**
BNA_N
**ClientSampleId :**
SLCS101

Tgt Ion:228 Resp: 17053

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 20.6 | 17.1 | 25.7 |
| 226 | 28.4 | 22.4 | 33.6 |

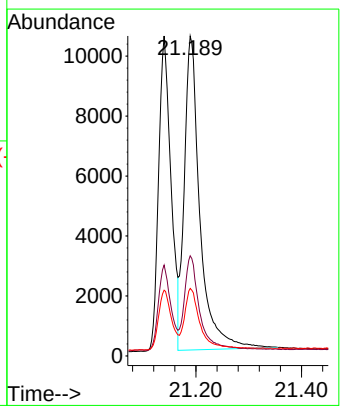


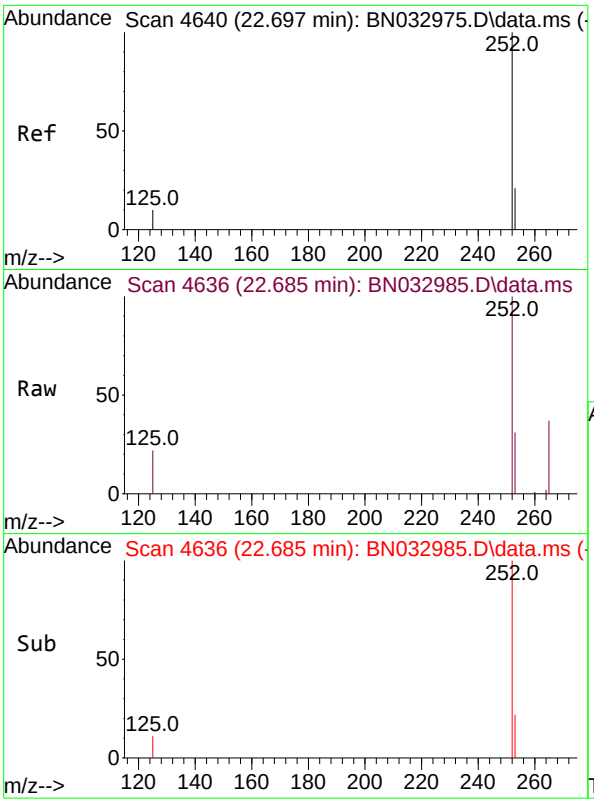




#22
Chrysene
Concen: 0.302 ng/ul
RT: 21.189 min Scan# 4124
Delta R.T. -0.006 min
Lab File: BN032985.D
Acq: 25 Jul 2024 23:11

Tgt Ion:228 Resp: 21508

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.3 | 24.7 | 37.1 |
| 229 | 21.1 | 17.0 | 25.6 |



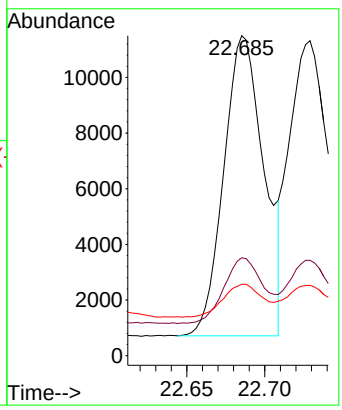


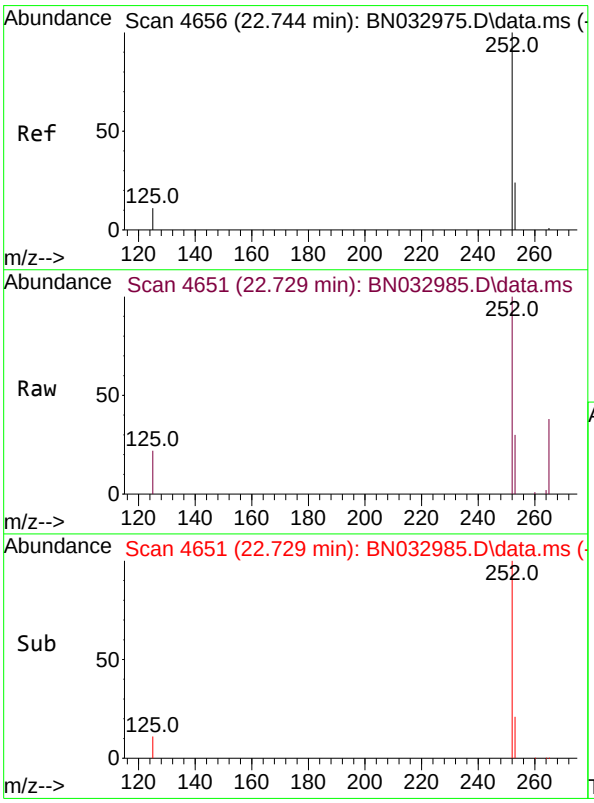

#24
Benzo(b)fluoranthene
Concen: 0.306 ng/ul
RT: 22.685 min Scan# 4
Delta R.T. -0.009 min
Lab File: BN032985.D
Acq: 25 Jul 2024 23:11

**Instrument :**
BNA_N
**ClientSampleId :**
SLCS101

Tgt Ion:252 Resp: 19409

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 30.6 | 0.0 | 60.6 |
| 125 | 22.3 | 0.0 | 51.0 |

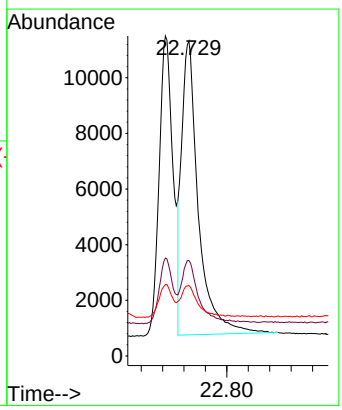


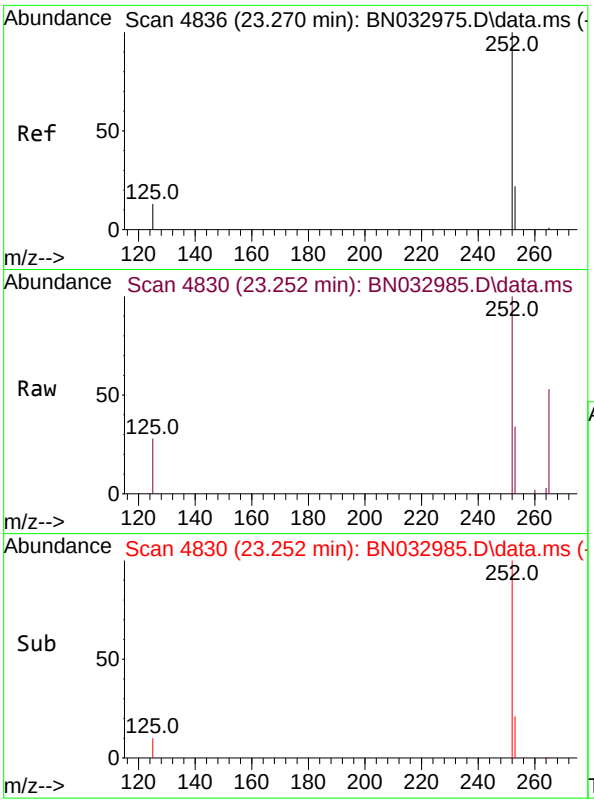




#25
Benzo(k)fluoranthene
Concen: 0.301 ng/ul
RT: 22.729 min Scan# 4651
Delta R.T. -0.006 min
Lab File: BN032985.D
Acq: 25 Jul 2024 23:11

Tgt Ion:252 Resp: 22916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 30.2 | 24.9 | 37.3 |
| 125 | 22.4 | 20.9 | 31.3 |



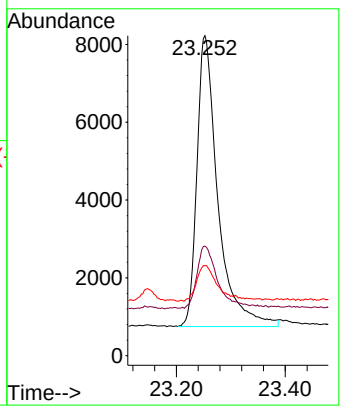


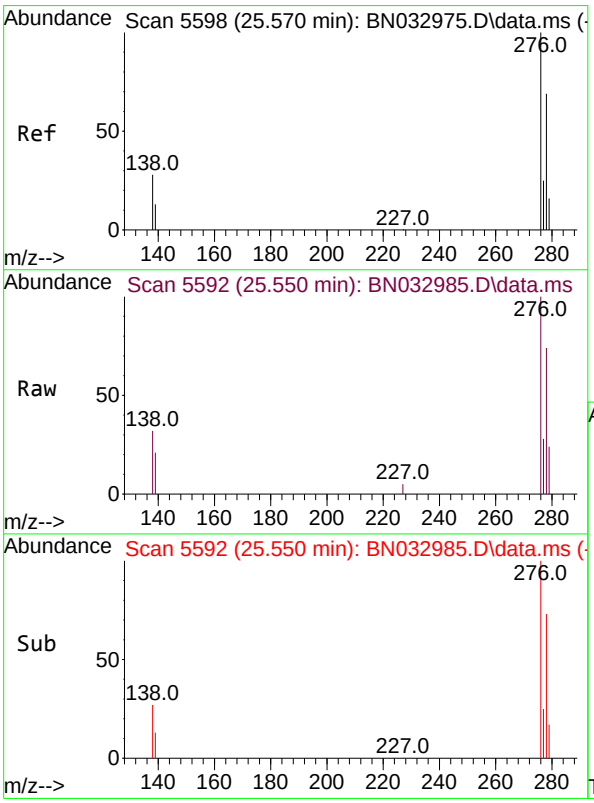

#26
Benzo(a)pyrene
Concen: 0.335 ng/ul
RT: 23.252 min Scan# 4
Delta R.T. -0.009 min
Lab File: BN032985.D
Acq: 25 Jul 2024 23:11

**Instrument :**
BNA_N
**ClientSampleId :**
SLCS101

Tgt Ion:252 Resp: 19978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 34.2 | 27.5 | 41.3 |
| 125 | 28.1 | 27.0 | 40.6 |

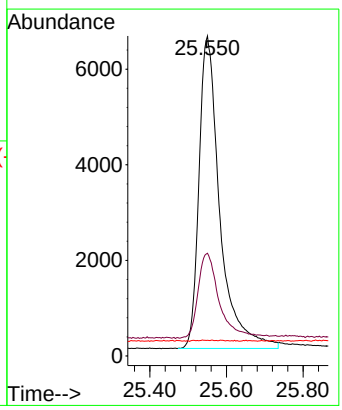


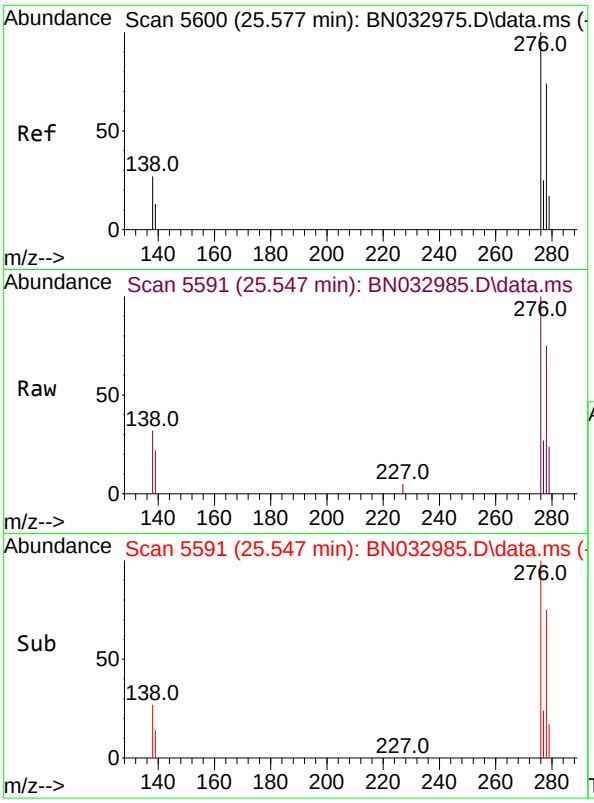




#27
Indeno(1,2,3-cd)pyrene
Concen: 0.272 ng/ul
RT: 25.550 min Scan# 5592
Delta R.T. -0.010 min
Lab File: BN032985.D
Acq: 25 Jul 2024 23:11

Tgt Ion:276 Resp: 24684

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 28.1 | 21.8 | 32.8 |
| 227 | 0.1 | 0.2 | 0.2# |



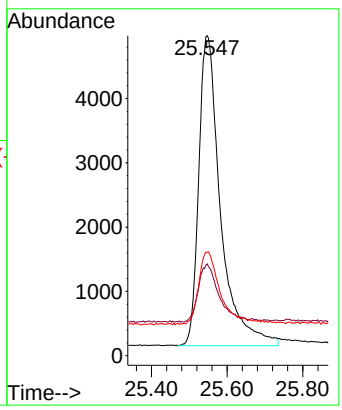


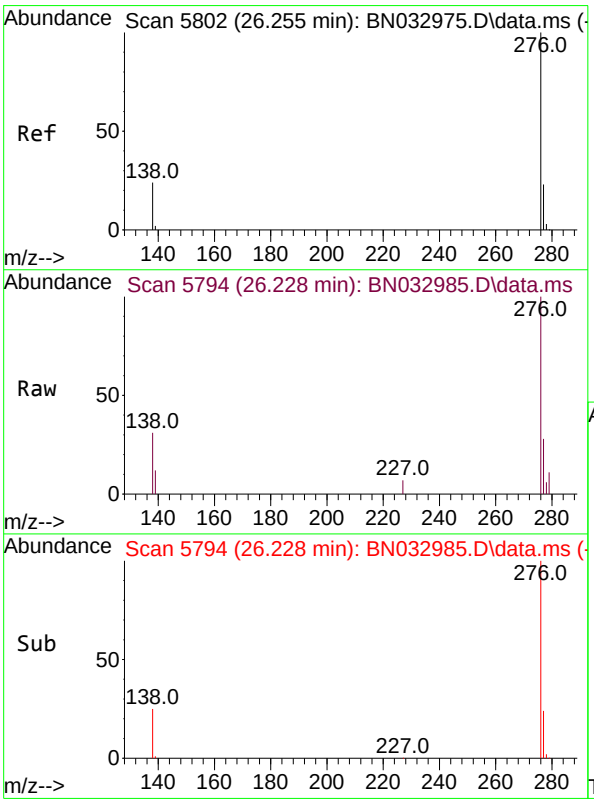

#28
Dibenzo(a,h)anthracene
Concen: 0.268 ng/ul
RT: 25.547 min Scan# 5
Delta R.T. -0.013 min
Lab File: BN032985.D
Acq: 25 Jul 2024 23:11

**Instrument :**
BNA_N
**ClientSampleId :**
SLCS101

Tgt Ion:278 Resp: 19289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 28.7 | 22.5 | 33.7 |
| 279 | 32.3 | 25.5 | 38.3 |




#29
Benzo(g,h,i)perylene
Concen: 0.271 ng/ul
RT: 26.228 min Scan# 5794
Delta R.T. -0.013 min
Lab File: BN032985.D
Acq: 25 Jul 2024 23:11

Tgt Ion:276 Resp: 19523

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 31.4 | 24.6 | 37.0 |
| 277 | 28.0 | 22.6 | 34.0 |