Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111124\
Data File : BN035005.D
Acq On : 11 Nov 2024 15:13
Operator : RC/JU
Sample : PB164747BS
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
SLCS747

Quant Time: Nov 11 16:04:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN110924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Nov 09 00:09:12 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.562 | 152 | 3101 | 0.400 | ng/ul | -0.01 |
| 4) Naphthalene-d8 | 10.328 | 136 | 7731 | 0.400 | ng/ul | -0.01 |
| 9) Acenaphthene-d10 | 14.199 | 164 | 5020 | 0.400 | ng/ul | 0.00 |
| 13) Phenanthrene-d10 | 16.945 | 188 | 10784 | 0.400 | ng/ul | 0.00 |
| 17) Chrysene-d12 | 21.142 | 240 | 10049 | 0.400 | ng/ul | # 0.00 |
| 23) Perylene-d12 | 23.308 | 264 | 10758 | 0.400 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.149 | 96 | 2443 | 0.828 | ng/ul | 0.00 |
| 6) 2-Methylnaphthalene-d10 | 11.923 | 152 | 6117 | 0.517 | ng/ul | -0.01 |
| 18) Fluoranthene-d10 | 18.981 | 212 | 13946 | 0.540 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.182 | 88 | 6887 | 2.130 | ng/ul# | 91 |
| 5) Naphthalene | 10.377 | 128 | 9720 | 0.502 | ng/ul | 98 |
| 7) 2-Methylnaphthalene | 12.000 | 142 | 6851 | 0.474 | ng/ul | 100 |
| 8) 1-Methylnaphthalene | 12.220 | 142 | 7996 | 0.551 | ng/ul | 99 |
| 10) Acenaphthylene | 13.916 | 152 | 9897 | 0.483 | ng/ul | 99 |
| 11) Acenaphthene | 14.263 | 153 | 7498 | 0.482 | ng/ul | 99 |
| 12) Fluorene | 15.253 | 166 | 8588 | 0.434 | ng/ul | 98 |
| 14) Pentachlorophenol | 16.599 | 266 | 2397 | 0.961 | ng/ul | 98 |
| 15) Phenanthrene | 16.987 | 178 | 13921 | 0.483 | ng/ul | 98 |
| 16) Anthracene | 17.080 | 178 | 13043 | 0.482 | ng/ul | 98 |
| 19) Fluoranthene | 19.009 | 202 | 16947 | 0.505 | ng/ul# | 96 |
| 20) Pyrene | 19.372 | 202 | 17497 | 0.502 | ng/ul# | 96 |
| 21) Benzo(a)anthracene | 21.128 | 228 | 18013 | 0.495 | ng/ul | 98 |
| 22) Chrysene | 21.177 | 228 | 18125 | 0.488 | ng/ul | 99 |
| 24) Benzo(b)fluoranthene | 22.665 | 252 | 18685 | 0.494 | ng/ul | 98 |
| 25) Benzo(k)fluoranthene | 22.706 | 252 | 19058 | 0.481 | ng/ul | 98 |
| 26) Benzo(a)pyrene | 23.211 | 252 | 16736 | 0.495 | ng/ul# | 98 |
| 27) Indeno(1,2,3-cd)pyrene | 25.460 | 276 | 22294 | 0.539 | ng/ul | 94 |
| 28) Dibenzo(a,h)anthracene | 25.477 | 278 | 17686 | 0.549 | ng/ul | 98 |
| 29) Benzo(g,h,i)perylene | 26.114 | 276 | 17372 | 0.550 | ng/ul | 98 |

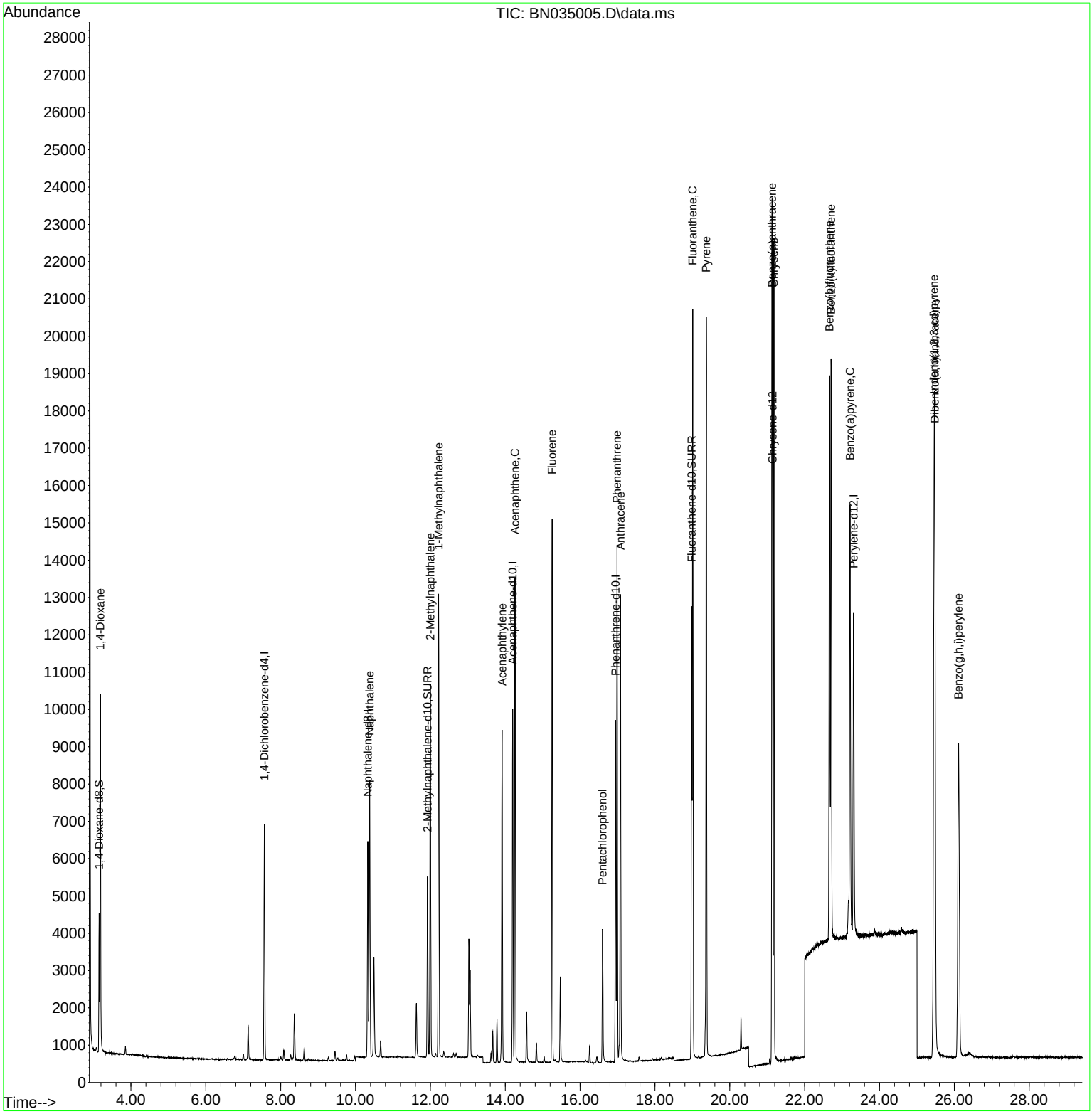
(#) = qualifier out of range (m) = manual integration (+) = signals summed

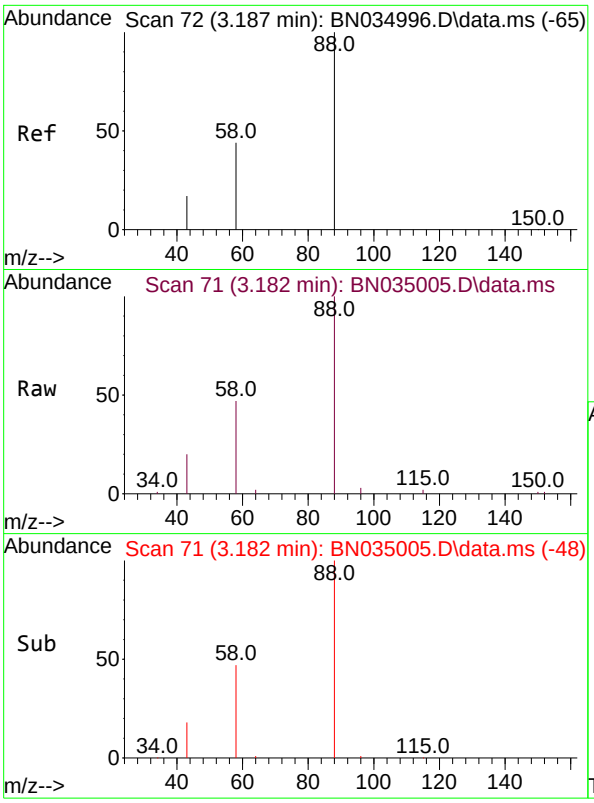
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111124\
Data File : BN035005.D
Acq On : 11 Nov 2024 15:13
Operator : RC/JU
Sample : PB164747BS
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
SLCS747

Quant Time: Nov 11 16:04:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN110924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Nov 09 00:09:12 2024
Response via : Initial Calibration



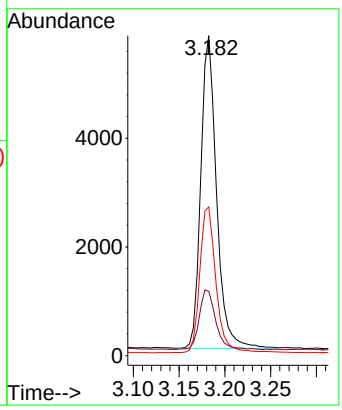


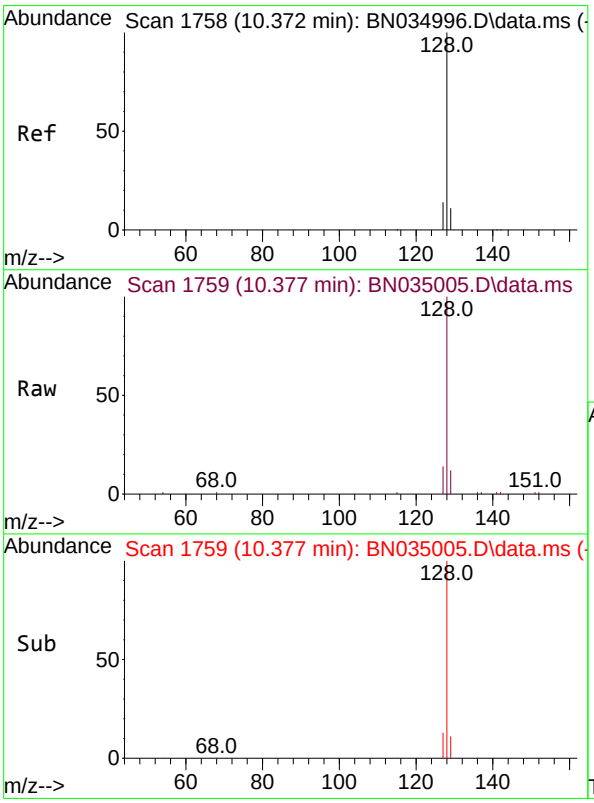

#2
1,4-Dioxane
Concen: 2.130 ng/ul
RT: 3.182 min Scan# 7
Delta R.T. -0.004 min
Lab File: BN035005.D
Acq: 11 Nov 2024 15:13

**Instrument :**
BNA_N
**ClientSampleId :**
SLCS747

Tgt Ion: 88 Resp: 6887

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 20.1 | 23.3 | 34.9# |
| 58 | 46.5 | 35.4 | 53.2 |

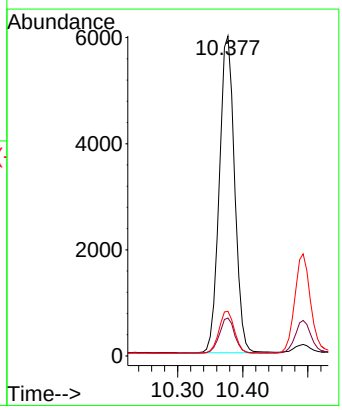


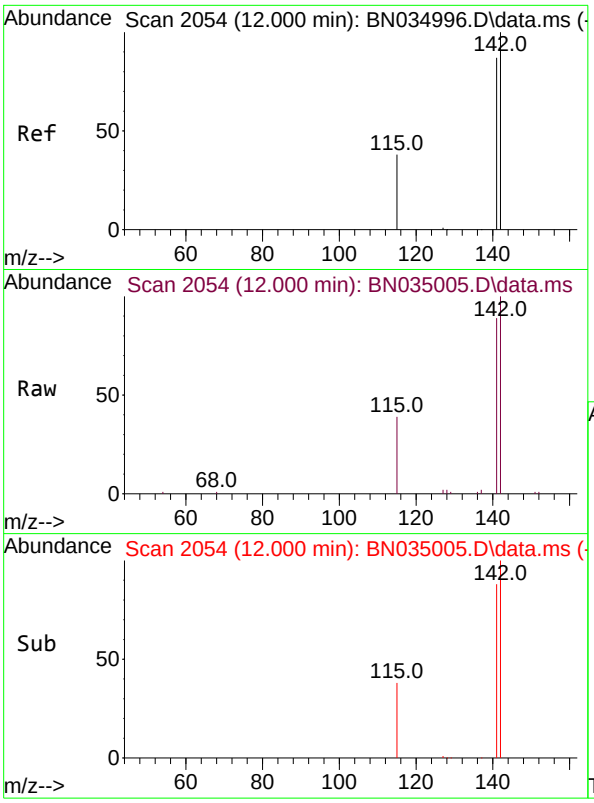




#5
Naphthalene
Concen: 0.502 ng/ul
RT: 10.377 min Scan# 1759
Delta R.T. -0.011 min
Lab File: BN035005.D
Acq: 11 Nov 2024 15:13

Tgt Ion:128 Resp: 9720

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.8 | 10.1 | 15.1 |
| 127 | 13.9 | 12.1 | 18.1 |



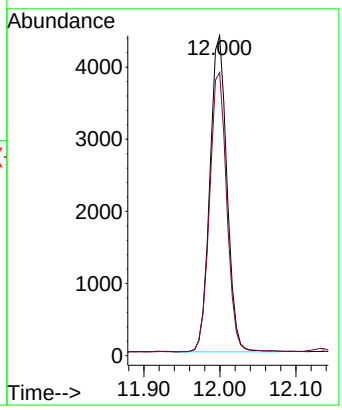


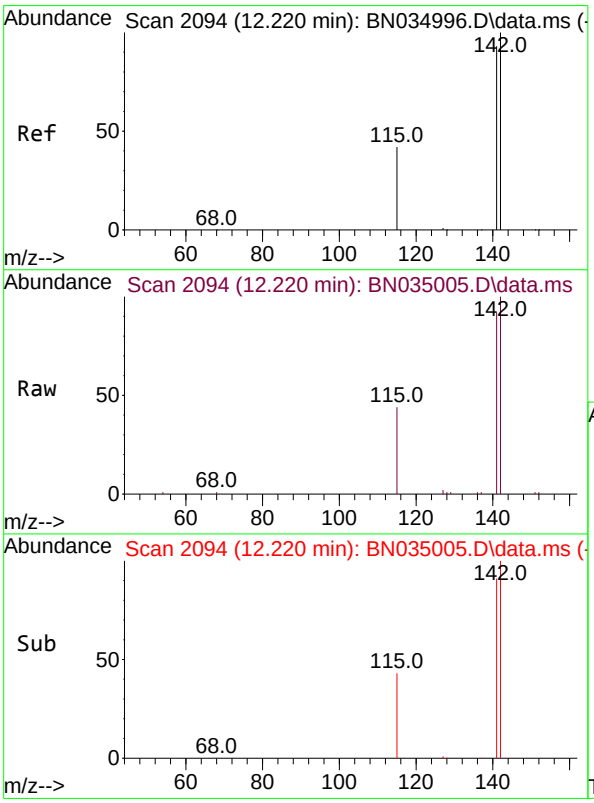

#7
2-Methylnaphthalene
Concen: 0.474 ng/ul
RT: 12.000 min Scan# 2
Delta R.T. -0.011 min
Lab File: BN035005.D
Acq: 11 Nov 2024 15:13

**Instrument :**
BNA_N
**ClientSampleId :**
SLCS747

Tgt Ion:142 Resp: 6851

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.9 | 70.8 | 106.2 |

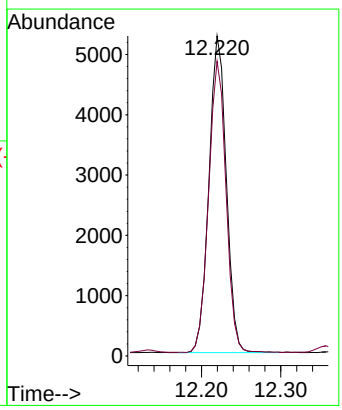


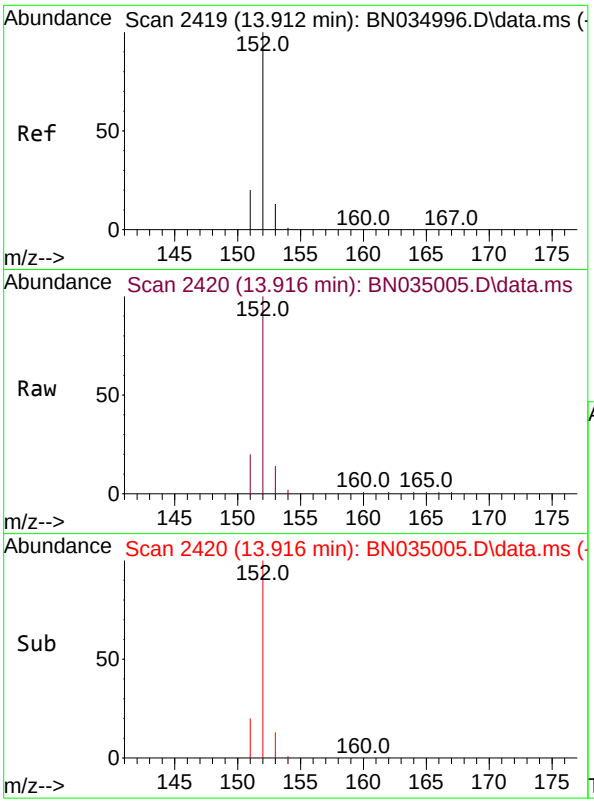




#8
1-Methylnaphthalene
Concen: 0.551 ng/ul
RT: 12.220 min Scan# 2094
Delta R.T. -0.011 min
Lab File: BN035005.D
Acq: 11 Nov 2024 15:13

Tgt Ion:142 Resp: 7996

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.0 | 74.6 | 111.8 |



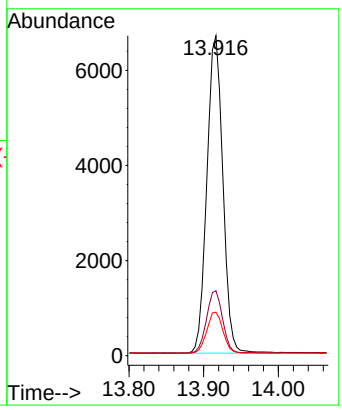


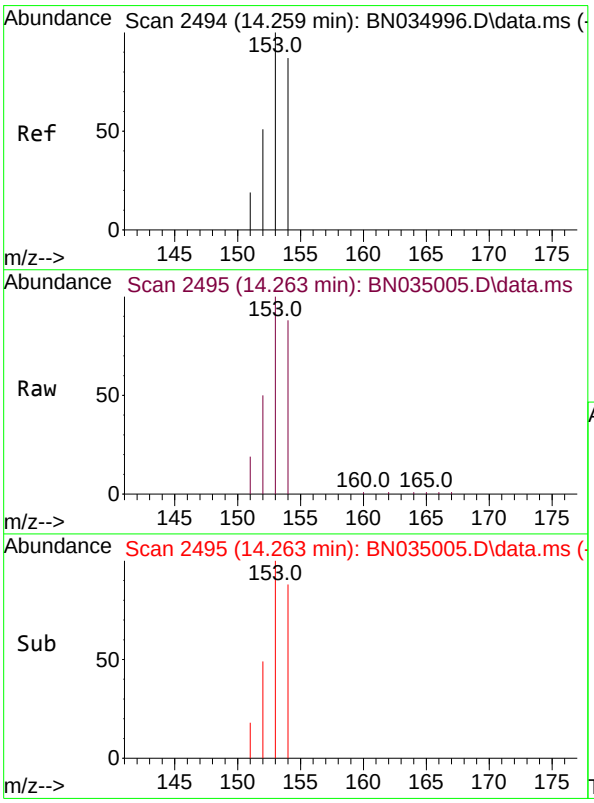

#10
Acenaphthylene
Concen: 0.483 ng/ul
RT: 13.916 min Scan# 24
Delta R.T. -0.009 min
Lab File: BN035005.D
Acq: 11 Nov 2024 15:13

**Instrument :**
BNA_N
**ClientSampleId :**
SLCS747

Tgt Ion:152 Resp: 9897

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.3 | 16.6 | 24.8 |
| 153 | 13.6 | 11.0 | 16.6 |

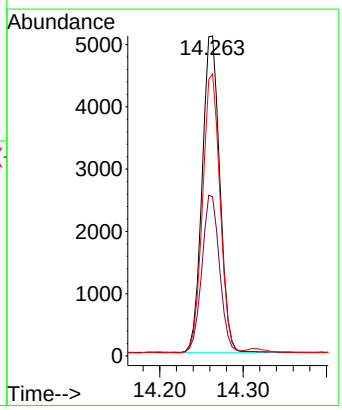


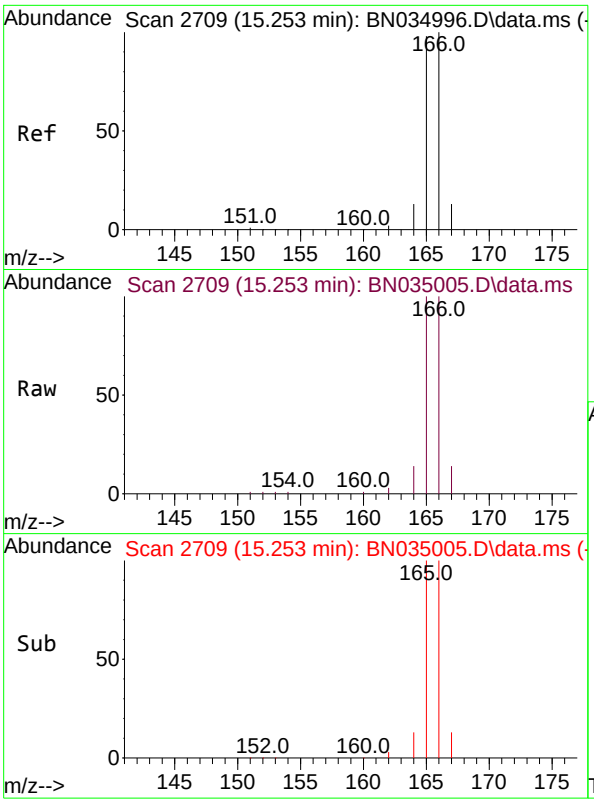




#11
Acenaphthene
Concen: 0.482 ng/ul
RT: 14.263 min Scan# 2495
Delta R.T. -0.009 min
Lab File: BN035005.D
Acq: 11 Nov 2024 15:13

Tgt Ion:153 Resp: 7498

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 49.7 | 41.5 | 62.3 |
| 154 | 88.1 | 70.9 | 106.3 |



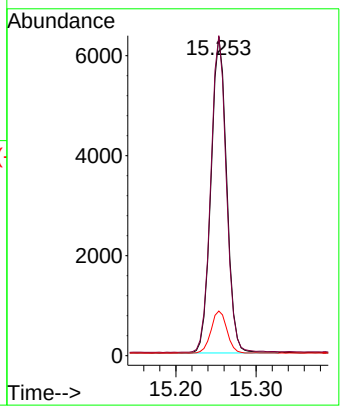


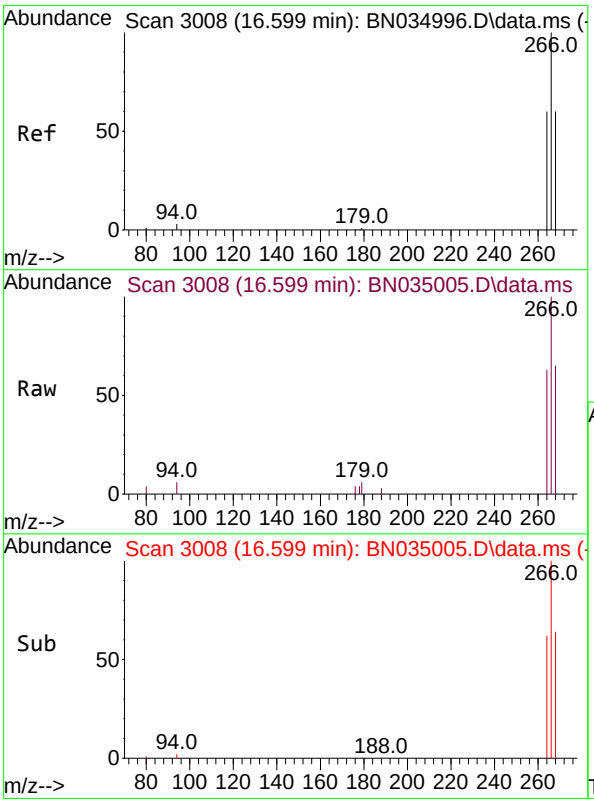

#12
Fluorene
Concen: 0.434 ng/ul
RT: 15.253 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN035005.D
Acq: 11 Nov 2024 15:13

**Instrument :**
BNA_N
**ClientSampleId :**
SLCS747

Tgt Ion:166 Resp: 8588

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 100.4 | 79.0 | 118.4 |
| 167 | 14.0 | 11.8 | 17.6 |

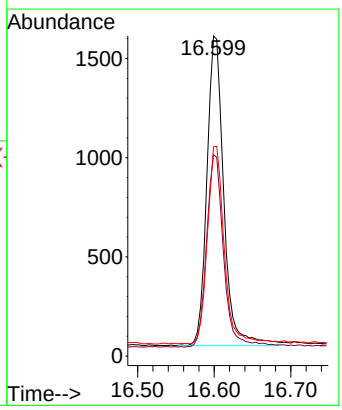


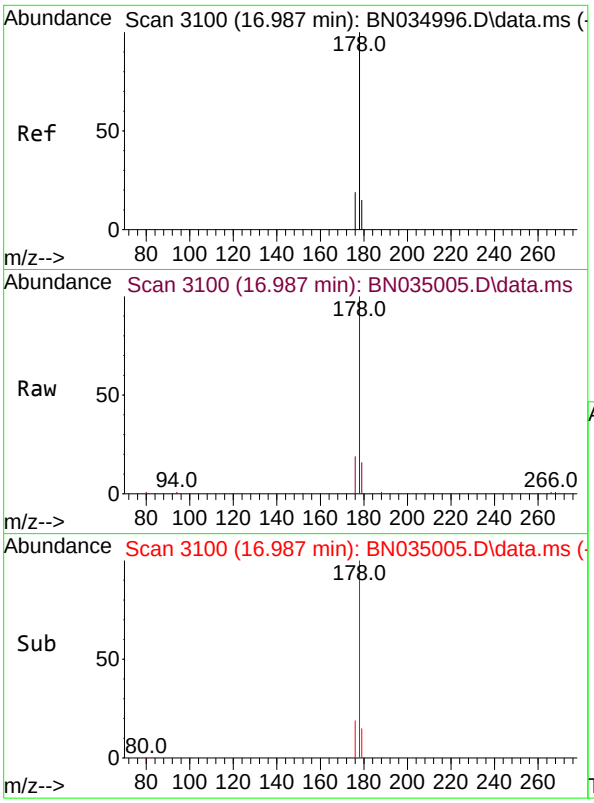




#14
Pentachlorophenol
Concen: 0.961 ng/ul
RT: 16.599 min Scan# 3008
Delta R.T. -0.008 min
Lab File: BN035005.D
Acq: 11 Nov 2024 15:13

Tgt Ion:266 Resp: 2397

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 62.7 | 50.2 | 75.2 |
| 268 | 63.2 | 48.4 | 72.6 |



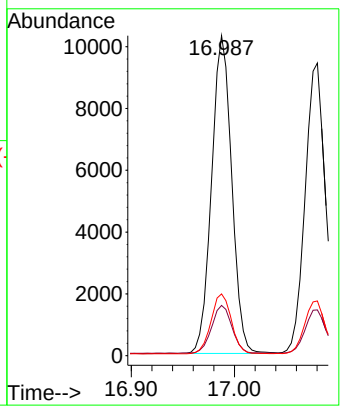


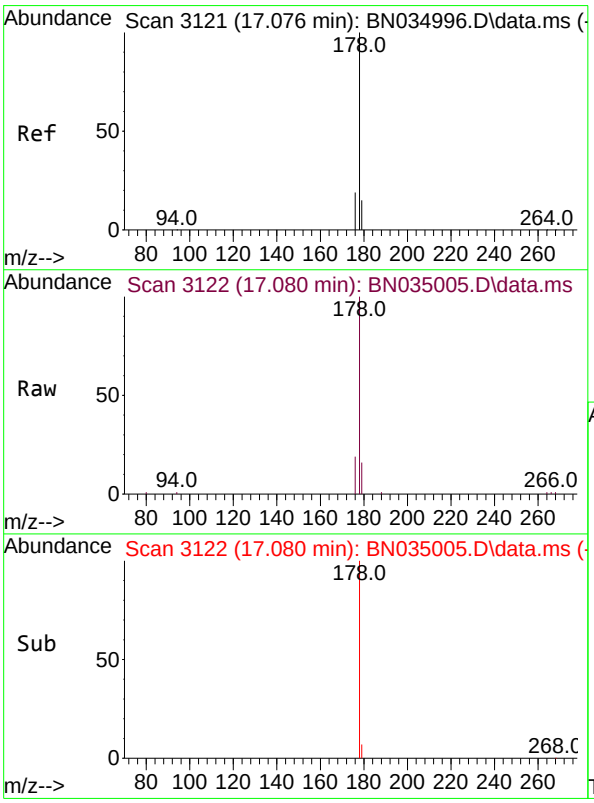

#15
Phenanthrene
Concen: 0.483 ng/ul
RT: 16.987 min Scan# 3
Delta R.T. -0.008 min
Lab File: BN035005.D
Acq: 11 Nov 2024 15:13

**Instrument :**
BNA_N
**ClientSampleId :**
SLCS747

Tgt Ion:178 Resp: 13921

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.7 | 13.4 | 20.2 |
| 176 | 19.3 | 15.8 | 23.6 |

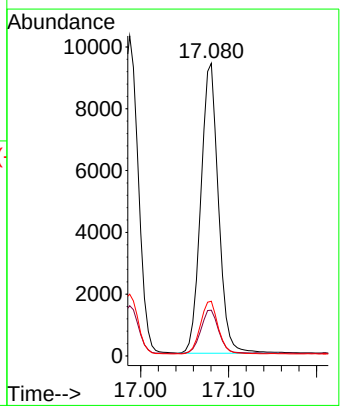


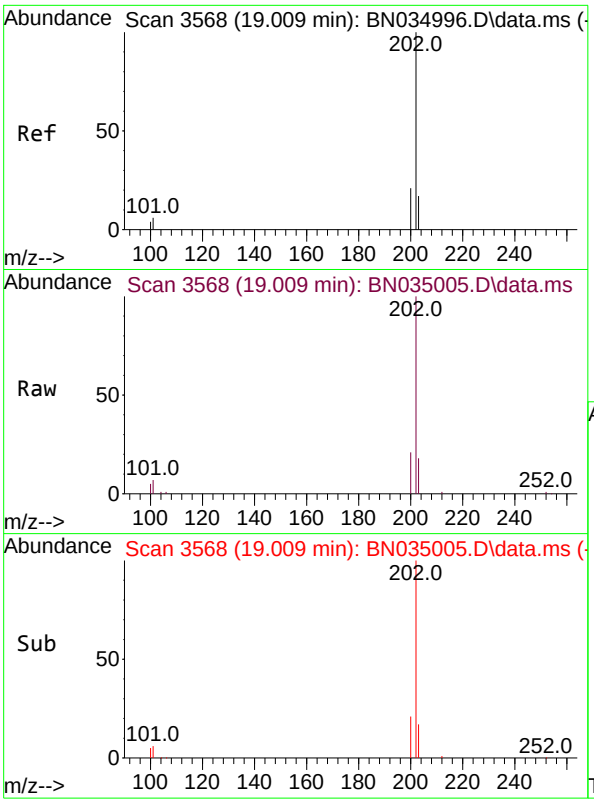




#16
Anthracene
Concen: 0.482 ng/ul
RT: 17.080 min Scan# 3122
Delta R.T. -0.004 min
Lab File: BN035005.D
Acq: 11 Nov 2024 15:13

Tgt Ion:178 Resp: 13043

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.7 | 13.3 | 19.9 |
| 176 | 18.7 | 15.8 | 23.8 |



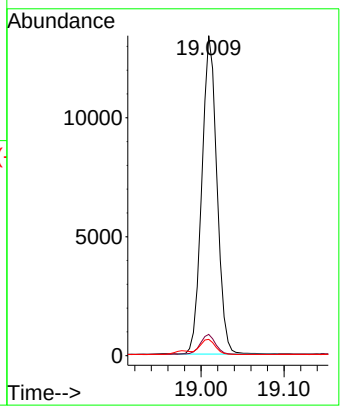


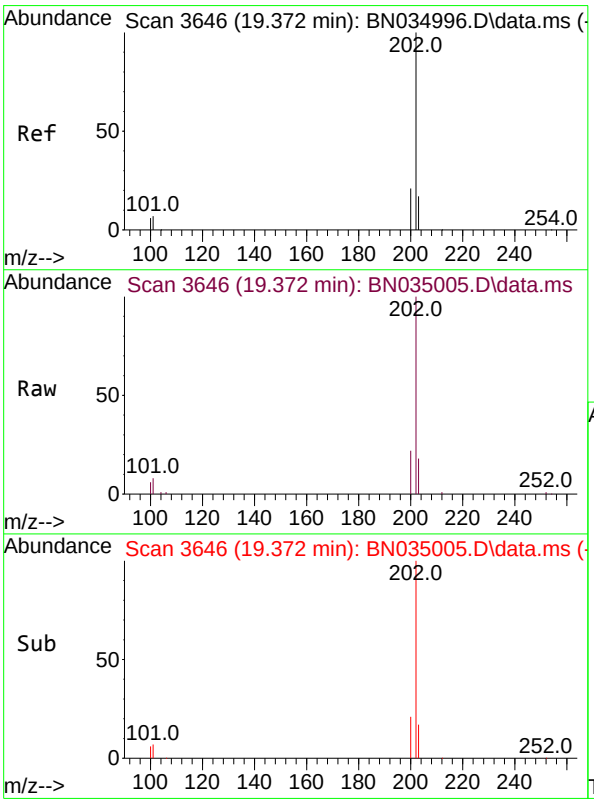

#19
Fluoranthene
Concen: 0.505 ng/ul
RT: 19.009 min Scan# 3
Delta R.T. -0.009 min
Lab File: BN035005.D
Acq: 11 Nov 2024 15:13

**Instrument :**
BNA_N
**ClientSampleId :**
SLCS747

Tgt Ion:202 Resp: 16947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 6.6 | 4.2 | 6.2# |
| 100 | 5.1 | 3.2 | 4.8# |

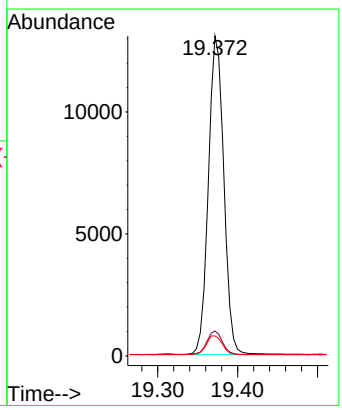


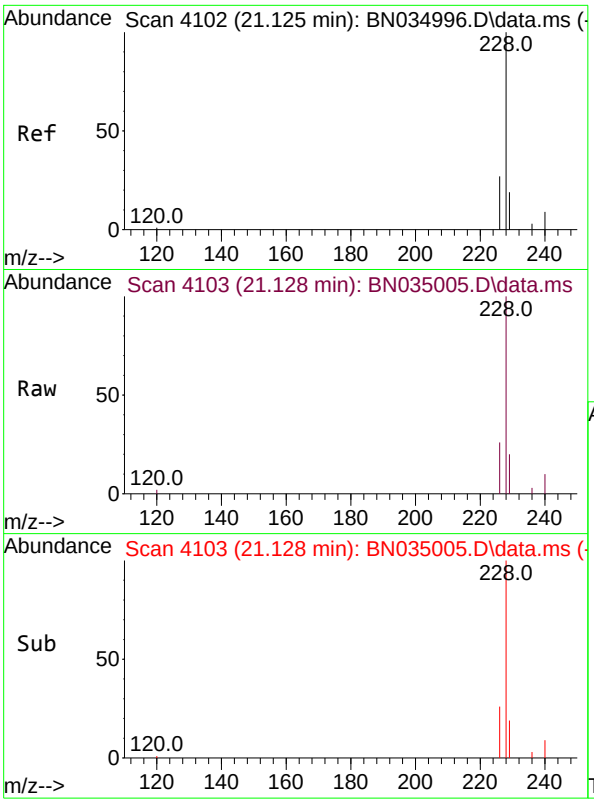




#20
Pyrene
Concen: 0.502 ng/ul
RT: 19.372 min Scan# 3646
Delta R.T. -0.009 min
Lab File: BN035005.D
Acq: 11 Nov 2024 15:13

Tgt Ion:202 Resp: 17497

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 7.8 | 5.0 | 7.4# |
| 100 | 6.3 | 4.1 | 6.1# |



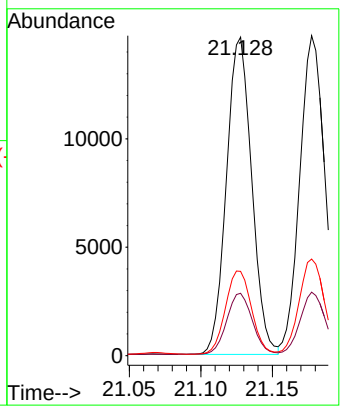


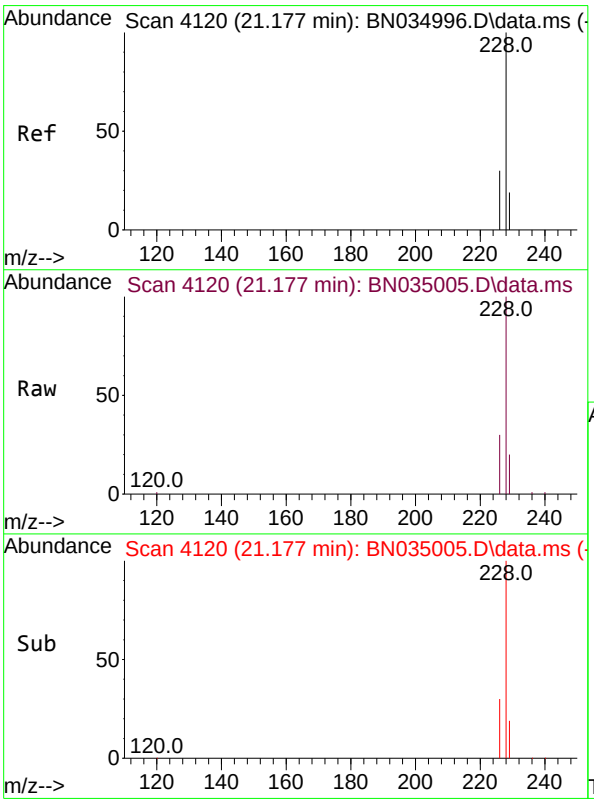

#21
Benzo(a)anthracene
Concen: 0.495 ng/ul
RT: 21.128 min Scan# 4
Delta R.T. -0.003 min
Lab File: BN035005.D
Acq: 11 Nov 2024 15:13

**Instrument :**
BNA_N
**ClientSampleId :**
SLCS747

Tgt Ion:228 Resp: 18013

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 19.6 | 15.8 | 23.8 |
| 226 | 26.5 | 22.2 | 33.2 |

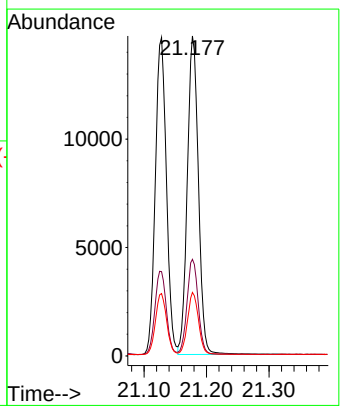


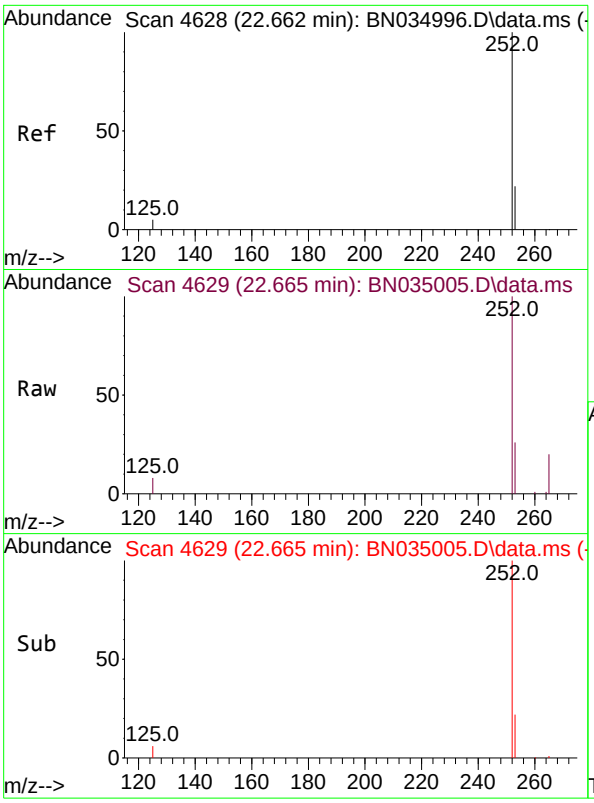




#22
Chrysene
Concen: 0.488 ng/ul
RT: 21.177 min Scan# 4120
Delta R.T. -0.006 min
Lab File: BN035005.D
Acq: 11 Nov 2024 15:13

Tgt Ion:228 Resp: 18125

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.2 | 24.2 | 36.4 |
| 229 | 19.8 | 15.4 | 23.2 |



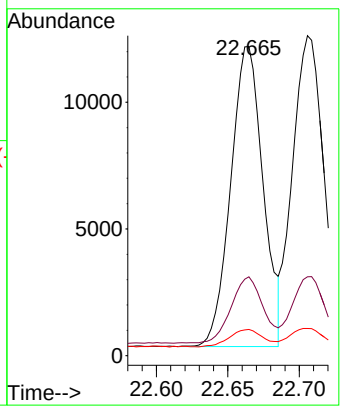


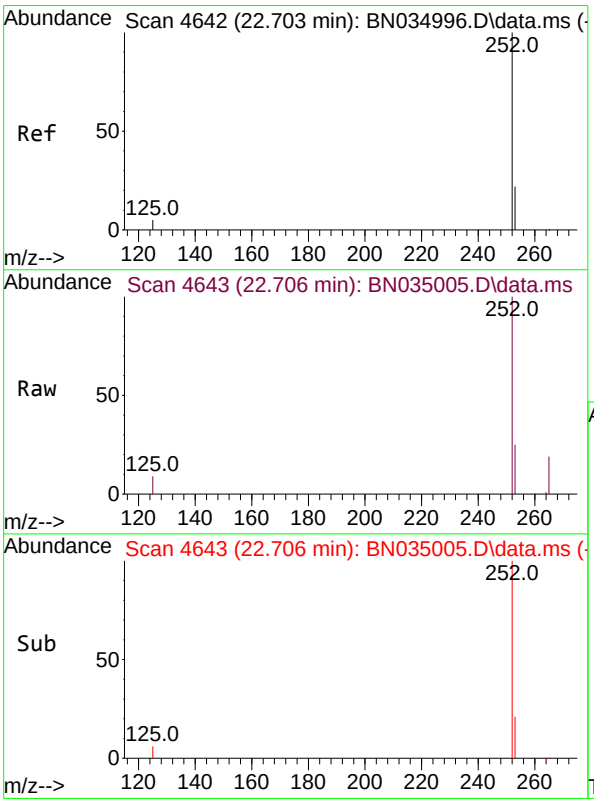

#24
Benzo(b)fluoranthene
Concen: 0.494 ng/ul
RT: 22.665 min Scan# 4
Delta R.T. -0.006 min
Lab File: BN035005.D
Acq: 11 Nov 2024 15:13

**Instrument :**
BNA_N
**ClientSampleId :**
SLCS747

Tgt Ion:252 Resp: 18685

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.5 | 0.0 | 50.0 |
| 125 | 8.5 | 0.0 | 14.0 |

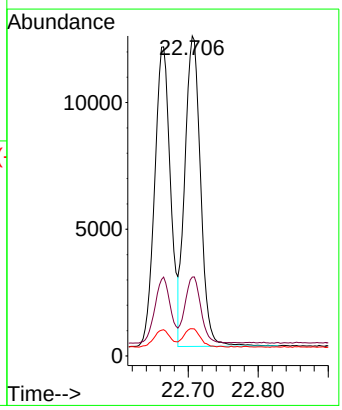


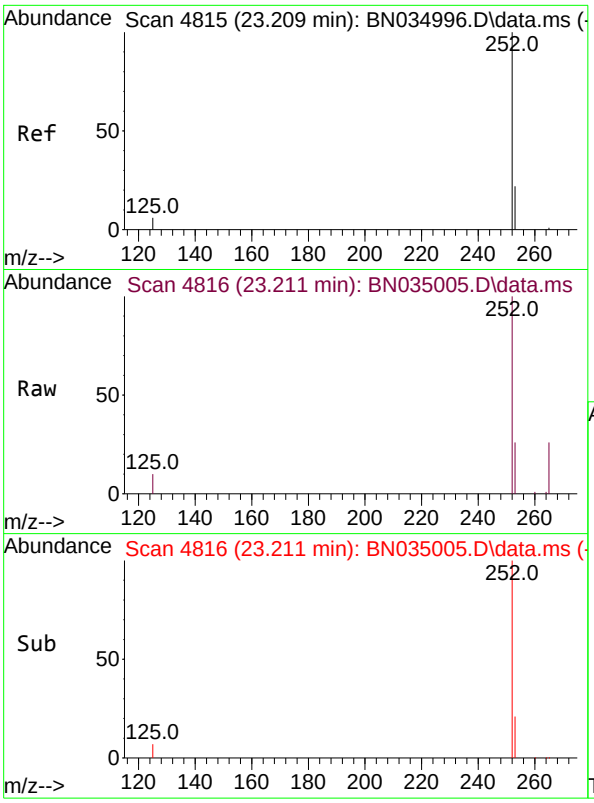




#25
Benzo(k)fluoranthene
Concen: 0.481 ng/ul
RT: 22.706 min Scan# 4643
Delta R.T. -0.006 min
Lab File: BN035005.D
Acq: 11 Nov 2024 15:13

Tgt Ion:252 Resp: 19058

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.7 | 20.2 | 30.4 |
| 125 | 8.5 | 5.8 | 8.8 |



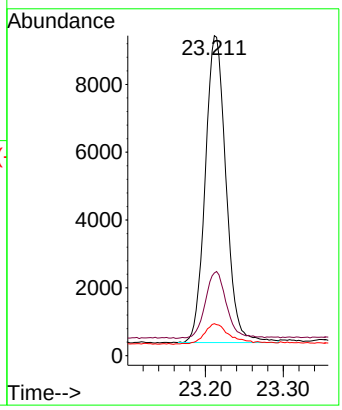


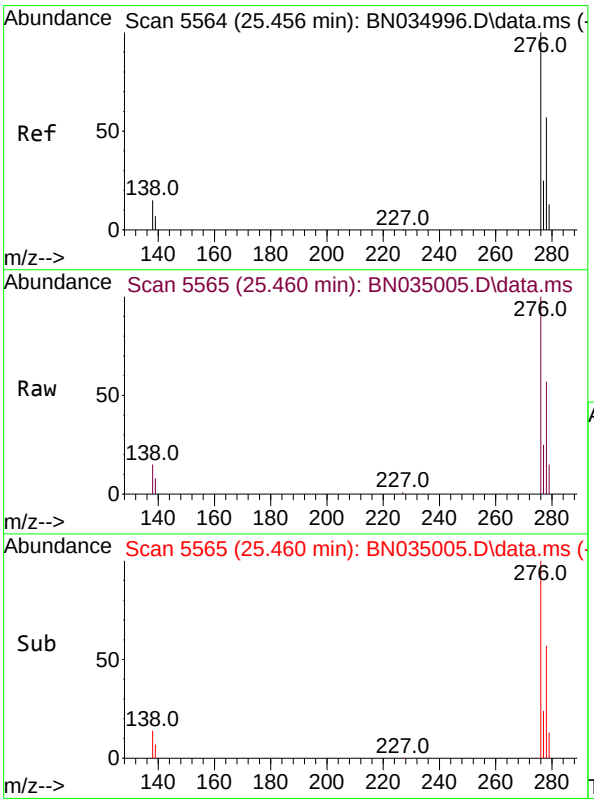

#26
Benzo(a)pyrene
Concen: 0.495 ng/ul
RT: 23.211 min Scan# 4
Delta R.T. -0.006 min
Lab File: BN035005.D
Acq: 11 Nov 2024 15:13

**Instrument :**
BNA_N
**ClientSampleId :**
SLCS747

Tgt Ion:252 Resp: 16736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.8 | 21.2 | 31.8 |
| 125 | 10.0 | 6.3 | 9.5# |

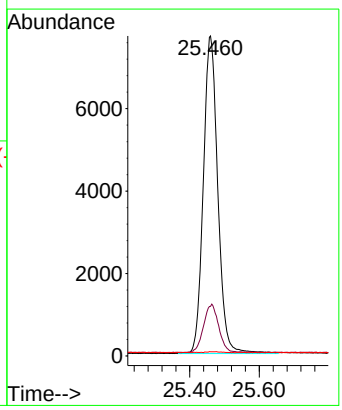


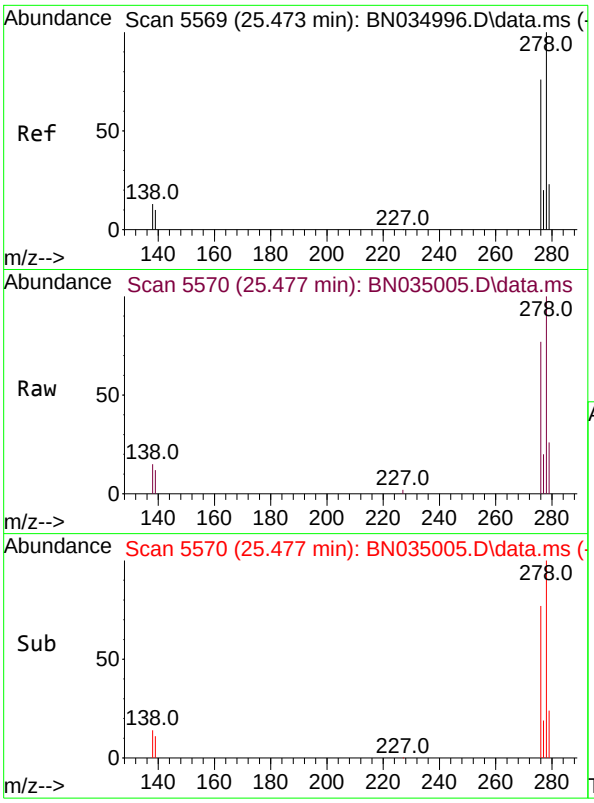




#27
Indeno(1,2,3-cd)pyrene
Concen: 0.539 ng/ul
RT: 25.460 min Scan# 5565
Delta R.T. -0.010 min
Lab File: BN035005.D
Acq: 11 Nov 2024 15:13

Tgt Ion:276 Resp: 22294

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 15.8 | 10.8 | 16.2 |
| 227 | 0.4 | 0.2 | 0.4 |



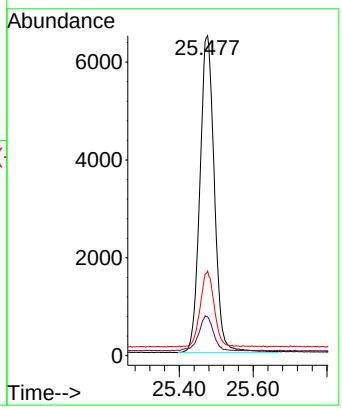


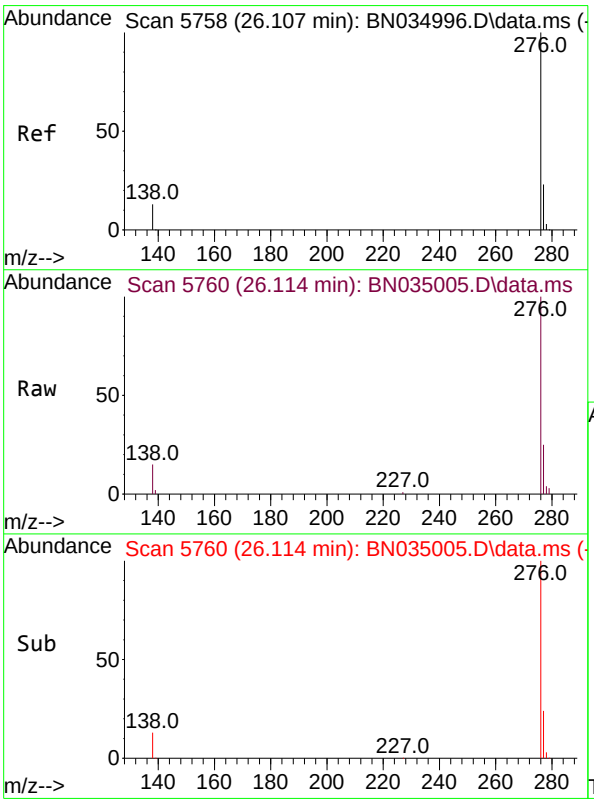

#28
Dibenzo(a,h)anthracene
Concen: 0.549 ng/ul
RT: 25.477 min Scan# 5
Delta R.T. -0.010 min
Lab File: BN035005.D
Acq: 11 Nov 2024 15:13

**Instrument :**
BNA_N
**ClientSampleId :**
SLCS747

Tgt Ion:278 Resp: 17686

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 12.2 | 8.4 | 12.6 |
| 279 | 26.4 | 21.5 | 32.3 |




#29
Benzo(g,h,i)perylene
Concen: 0.550 ng/ul
RT: 26.114 min Scan# 5760
Delta R.T. -0.013 min
Lab File: BN035005.D
Acq: 11 Nov 2024 15:13

Tgt Ion:276 Resp: 17372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 14.7 | 10.3 | 15.5 |
| 277 | 24.9 | 20.2 | 30.2 |