Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111124\
Data File : BN035034.D
Acq On : 12 Nov 2024 13:26
Operator : RC/JU
Sample : PB164731BS
Misc :
ALS Vial : 52 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
SLCS731

Quant Time: Nov 12 15:01:21 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 | 3305 | 0.400 | ng/ul | -0.01 |
| 4) Naphthalene-d8 | 10.322 | 136 | 7961 | 0.400 | ng/ul | -0.02 |
| 9) Acenaphthene-d10 | 14.199 | 164 | 5014 | 0.400 | ng/ul | 0.00 |
| 13) Phenanthrene-d10 | 16.945 | 188 | 10568 | 0.400 | ng/ul | 0.00 |
| 17) Chrysene-d12 | 21.139 | 240 | 9853 | 0.400 | ng/ul | # 0.00 |
| 23) Perylene-d12 | 23.302 | 264 | 10678 | 0.400 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.149 | 96 | 2513 | 0.799 | ng/ul | 0.00 |
| 6) 2-Methylnaphthalene-d10 | 11.923 | 152 | 5400 | 0.443 | ng/ul | -0.01 |
| 18) Fluoranthene-d10 | 18.977 | 212 | 12254 | 0.484 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.182 | 88 | 5589 | 1.622 | ng/ul# | 91 |
| 5) Naphthalene | 10.372 | 128 | 7742 | 0.389 | ng/ul | 98 |
| 7) 2-Methylnaphthalene | 11.994 | 142 | 5379 | 0.362 | ng/ul | 100 |
| 8) 1-Methylnaphthalene | 12.220 | 142 | 5361 | 0.359 | ng/ul | 99 |
| 10) Acenaphthylene | 13.912 | 152 | 7868 | 0.384 | ng/ul | 99 |
| 11) Acenaphthene | 14.259 | 153 | 5949 | 0.383 | ng/ul | 98 |
| 12) Fluorene | 15.249 | 166 | 6798 | 0.344 | ng/ul | 99 |
| 14) Pentachlorophenol | 16.599 | 266 | 1943 | 0.795 | ng/ul | 97 |
| 15) Phenanthrene | 16.983 | 178 | 10927 | 0.387 | ng/ul | 99 |
| 16) Anthracene | 17.076 | 178 | 10283 | 0.387 | ng/ul | 99 |
| 19) Fluoranthene | 19.009 | 202 | 13206 | 0.401 | ng/ul# | 96 |
| 20) Pyrene | 19.372 | 202 | 14031 | 0.411 | ng/ul# | 97 |
| 21) Benzo(a)anthracene | 21.125 | 228 | 13906 | 0.390 | ng/ul | 99 |
| 22) Chrysene | 21.174 | 228 | 14133 | 0.388 | ng/ul | 100 |
| 24) Benzo(b)fluoranthene | 22.662 | 252 | 14808 | 0.394 | ng/ul | 97 |
| 25) Benzo(k)fluoranthene | 22.703 | 252 | 14770 | 0.376 | ng/ul# | 98 |
| 26) Benzo(a)pyrene | 23.209 | 252 | 13426 | 0.400 | ng/ul# | 98 |
| 27) Indeno(1,2,3-cd)pyrene | 25.453 | 276 | 17797 | 0.434 | ng/ul# | 93 |
| 28) Dibenzo(a,h)anthracene | 25.470 | 278 | 13870 | 0.434 | ng/ul | 98 |
| 29) Benzo(g,h,i)perylene | 26.107 | 276 | 14016 | 0.447 | ng/ul | 98 |

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

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Misc :
ALS Vial : 52 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
SLCS731

Quant Time: Nov 12 15:01:21 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
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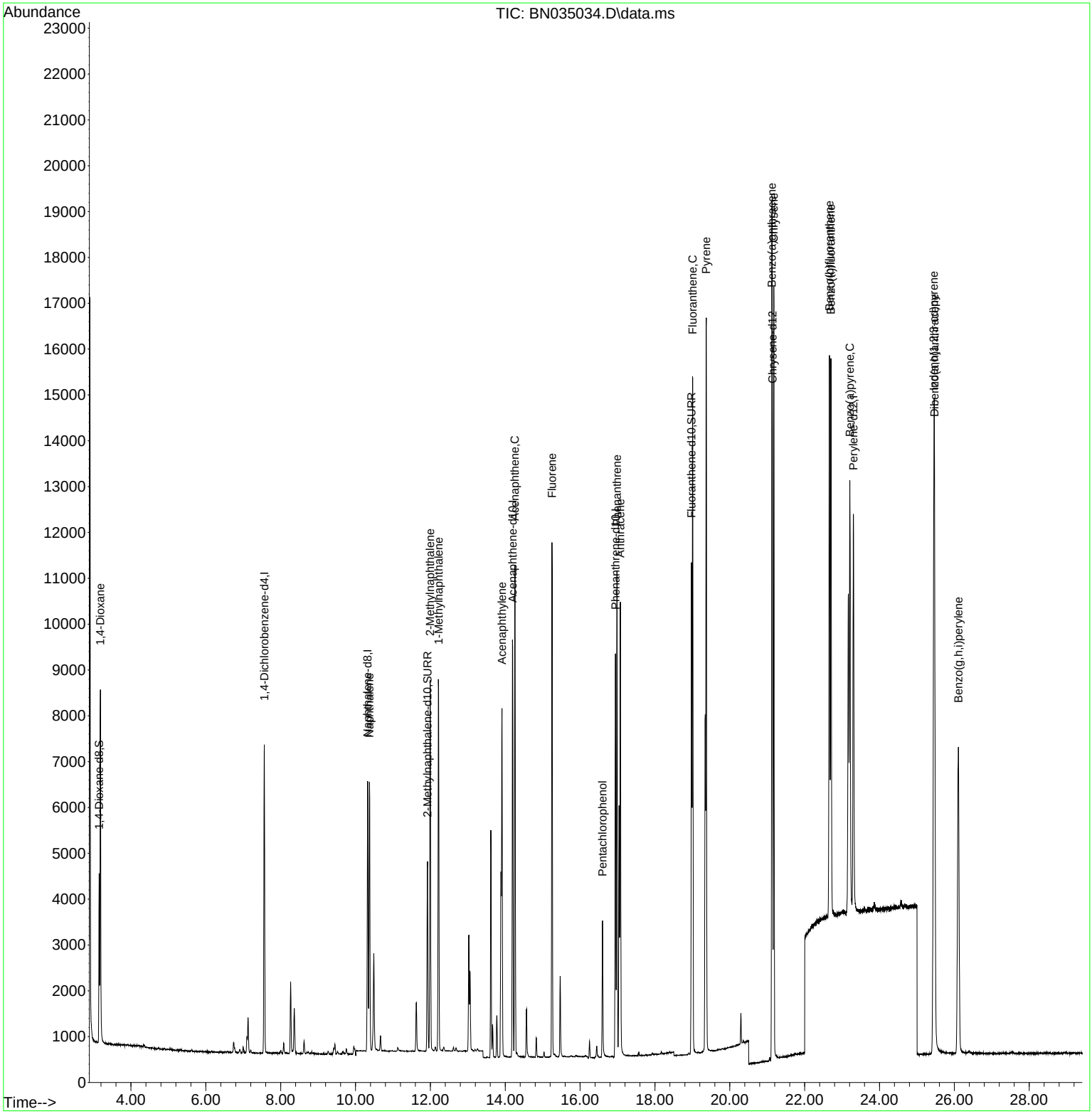
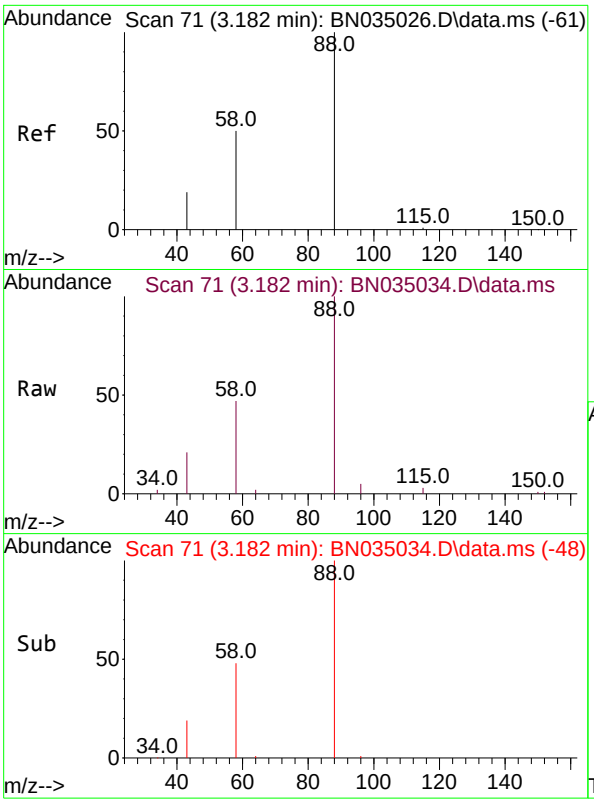


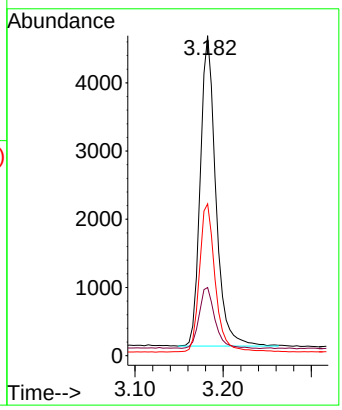


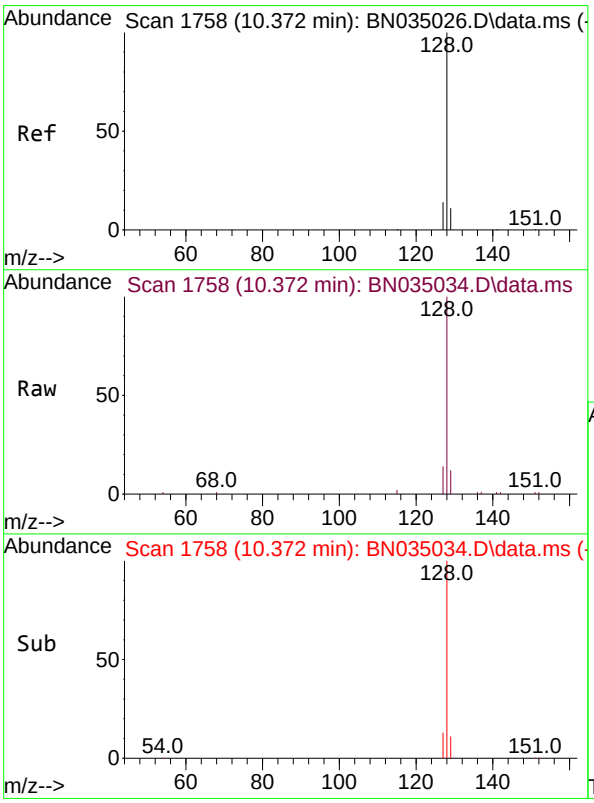

#2
1,4-Dioxane
Concen: 1.622 ng/ul
RT: 3.182 min Scan# 71
Delta R.T. -0.004 min
Lab File: BN035034.D
Acq: 12 Nov 2024 13:26

**Instrument :**
BNA_N
**ClientSampleId :**
SLCS731

Tgt Ion: 88 Resp: 5589

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 21.3 | 23.3 | 34.9# |
| 58 | 47.4 | 35.4 | 53.2 |

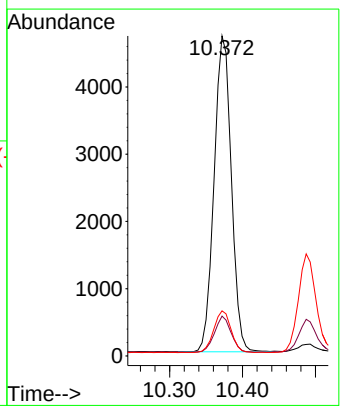


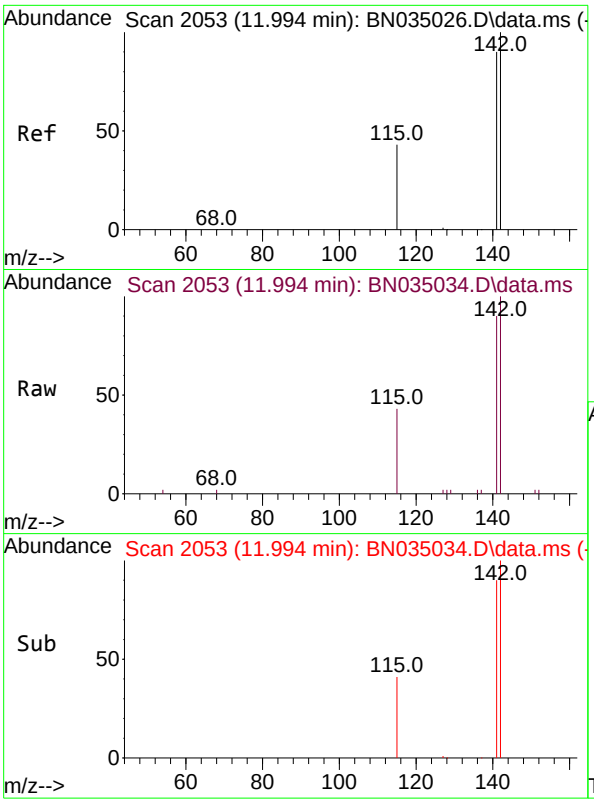




#5
Naphthalene
Concen: 0.389 ng/ul
RT: 10.372 min Scan# 1758
Delta R.T. -0.016 min
Lab File: BN035034.D
Acq: 12 Nov 2024 13:26

Tgt Ion:128 Resp: 7742

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 12.4 | 10.1 | 15.1 |
| 127 | 14.1 | 12.1 | 18.1 |



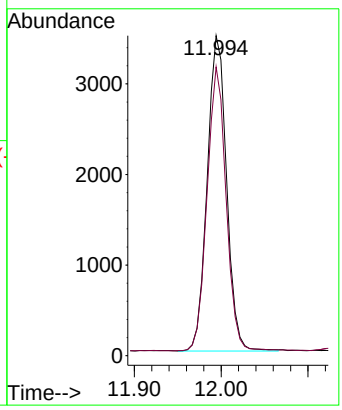


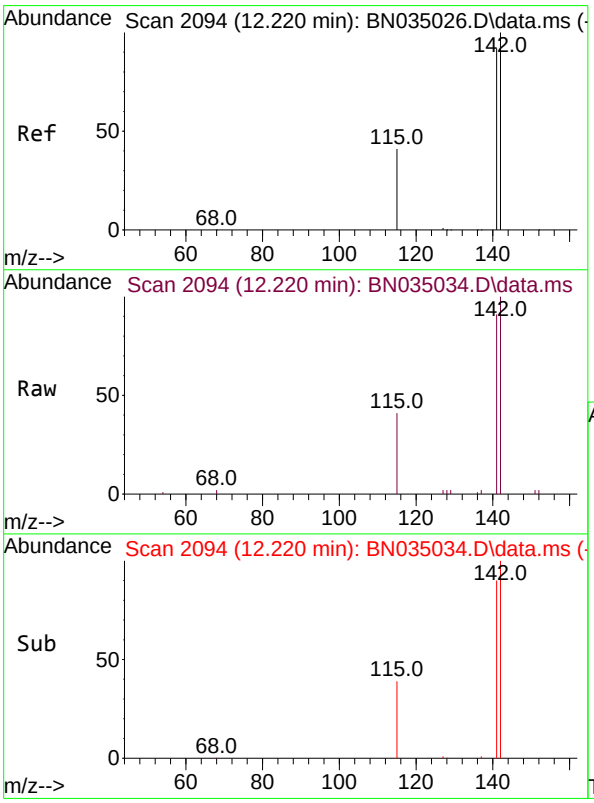

#7
2-Methylnaphthalene
Concen: 0.362 ng/ul
RT: 11.994 min Scan# 2
Delta R.T. -0.016 min
Lab File: BN035034.D
Acq: 12 Nov 2024 13:26

**Instrument :**
BNA_N
**ClientSampleId :**
SLCS731

Tgt Ion:142 Resp: 5379

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

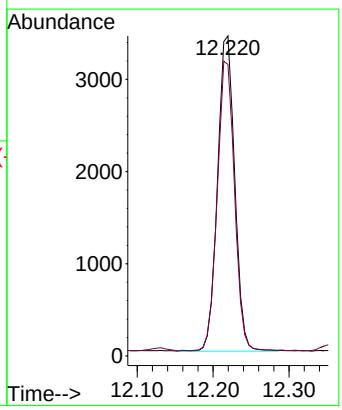


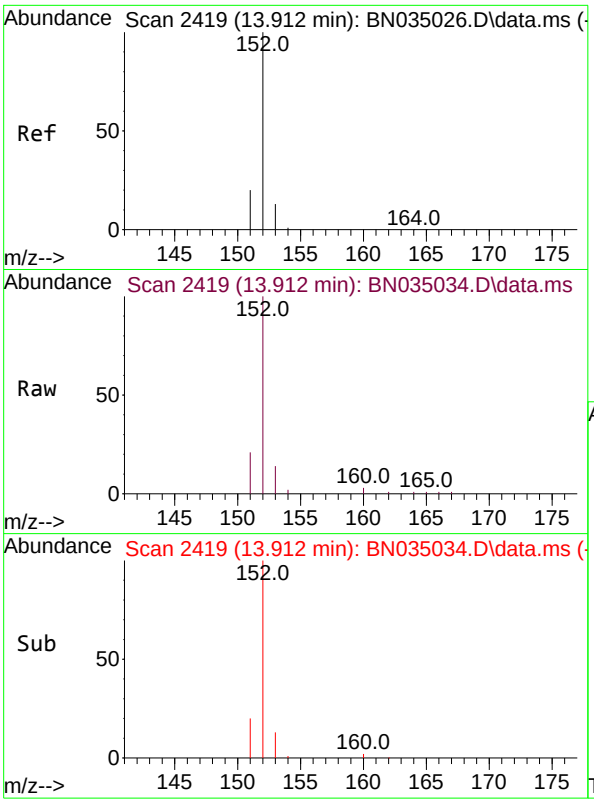




#8
1-Methylnaphthalene
Concen: 0.359 ng/ul
RT: 12.220 min Scan# 2094
Delta R.T. -0.011 min
Lab File: BN035034.D
Acq: 12 Nov 2024 13:26

Tgt Ion:142 Resp: 5361

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.4 | 74.6 | 111.8 |



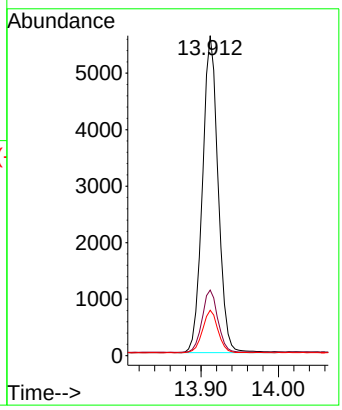


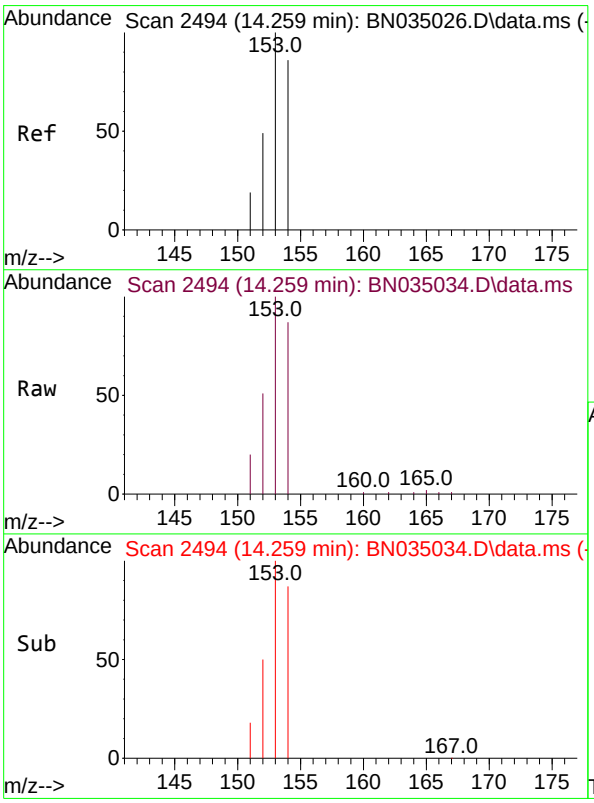

#10
Acenaphthylene
Concen: 0.384 ng/ul
RT: 13.912 min Scan# 24
Delta R.T. -0.014 min
Lab File: BN035034.D
Acq: 12 Nov 2024 13:26

**Instrument :**
BNA_N
**ClientSampleId :**
SLCS731

Tgt Ion:152 Resp: 7868

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.5 | 16.6 | 24.8 |
| 153 | 14.2 | 11.0 | 16.6 |

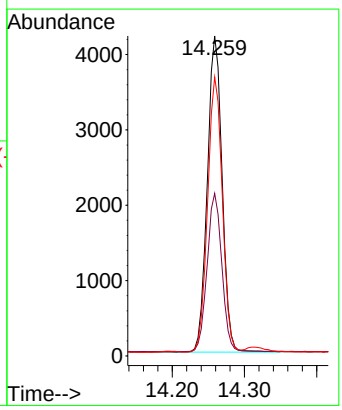


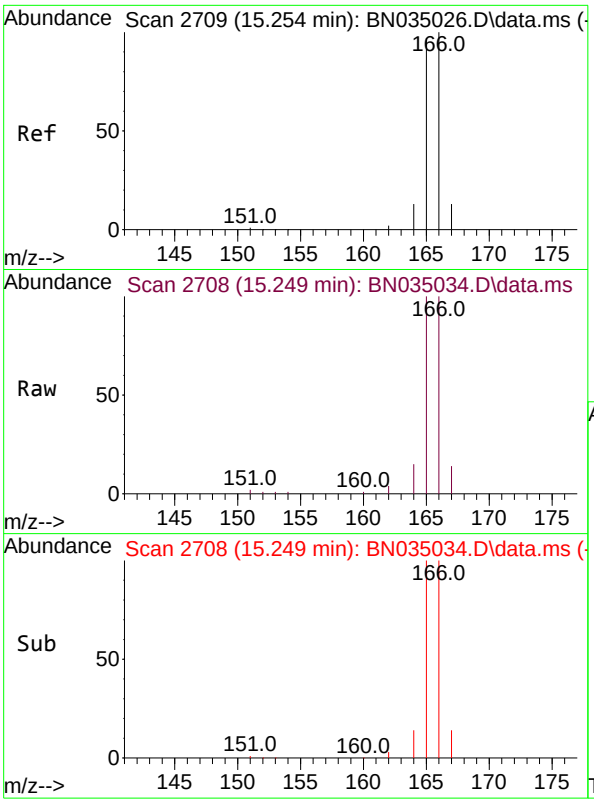




#11
Acenaphthene
Concen: 0.383 ng/ul
RT: 14.259 min Scan# 2494
Delta R.T. -0.014 min
Lab File: BN035034.D
Acq: 12 Nov 2024 13:26

Tgt Ion:153 Resp: 5949

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 50.8 | 41.5 | 62.3 |
| 154 | 87.1 | 70.9 | 106.3 |



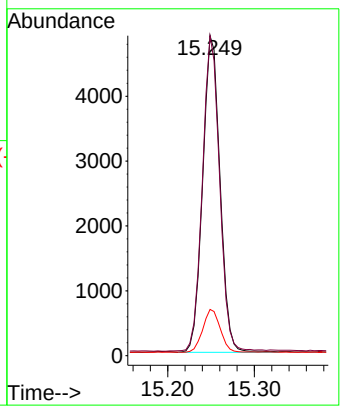


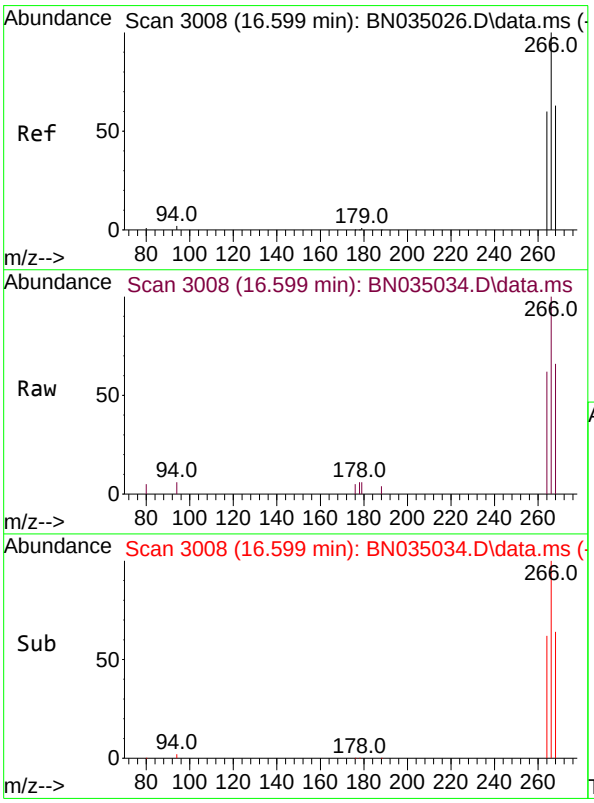

#12
Fluorene
Concen: 0.344 ng/ul
RT: 15.249 min Scan# 2
Delta R.T. -0.014 min
Lab File: BN035034.D
Acq: 12 Nov 2024 13:26

**Instrument :**
BNA_N
**ClientSampleId :**
SLCS731

Tgt Ion:166 Resp: 6798

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 99.9 | 79.0 | 118.4 |
| 167 | 14.5 | 11.8 | 17.6 |

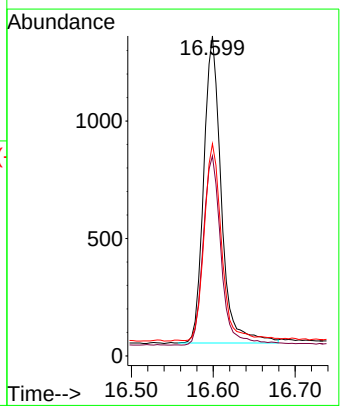


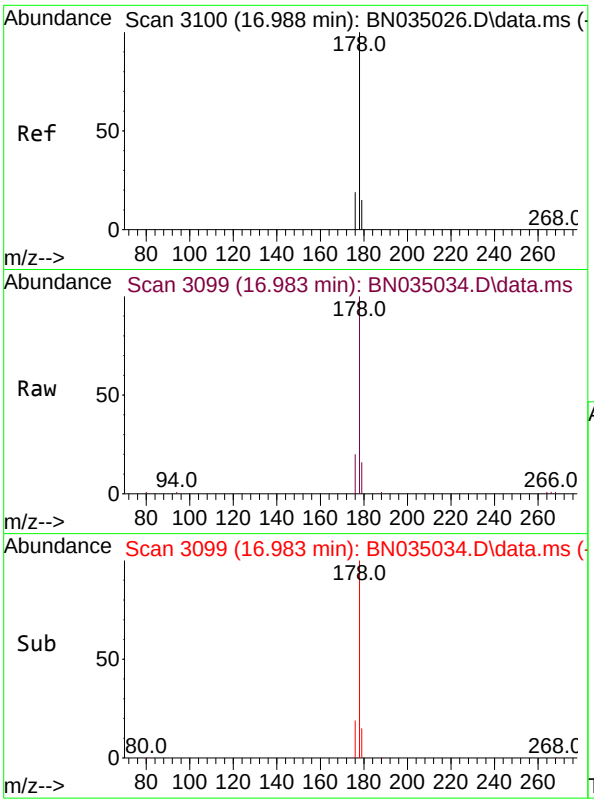




#14
Pentachlorophenol
Concen: 0.795 ng/ul
RT: 16.599 min Scan# 3008
Delta R.T. -0.008 min
Lab File: BN035034.D
Acq: 12 Nov 2024 13:26

Tgt Ion:266 Resp: 1943

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 63.1 | 50.2 | 75.2 |
| 268 | 64.2 | 48.4 | 72.6 |



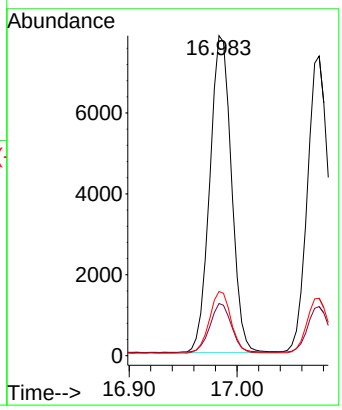


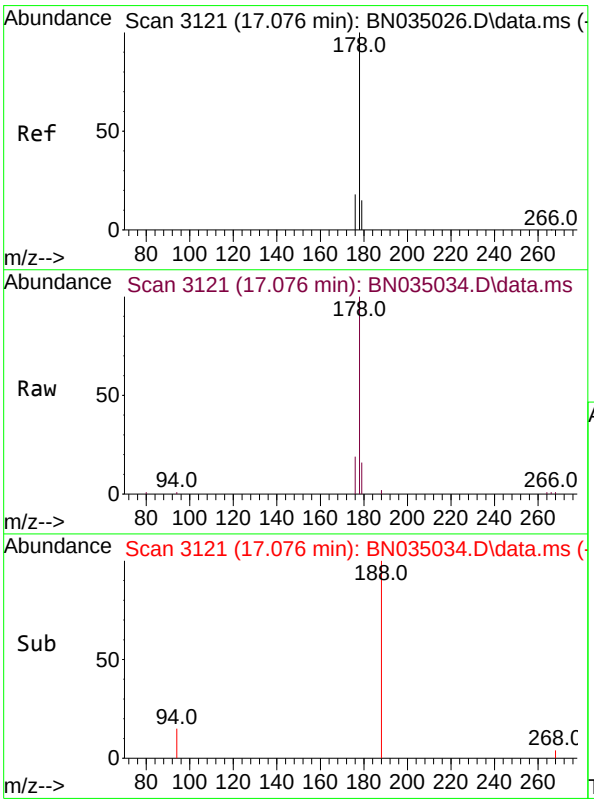

#15
Phenanthrene
Concen: 0.387 ng/ul
RT: 16.983 min Scan# 3
Delta R.T. -0.013 min
Lab File: BN035034.D
Acq: 12 Nov 2024 13:26

**Instrument :**
BNA_N
**ClientSampleId :**
SLCS731

Tgt Ion:178 Resp: 10927

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.3 | 13.4 | 20.2 |
| 176 | 20.1 | 15.8 | 23.6 |

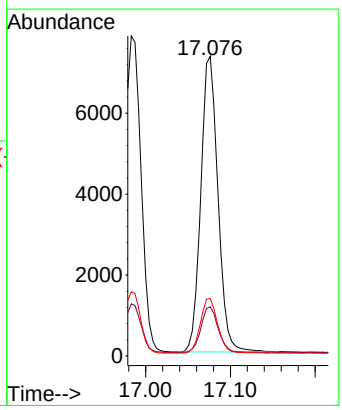


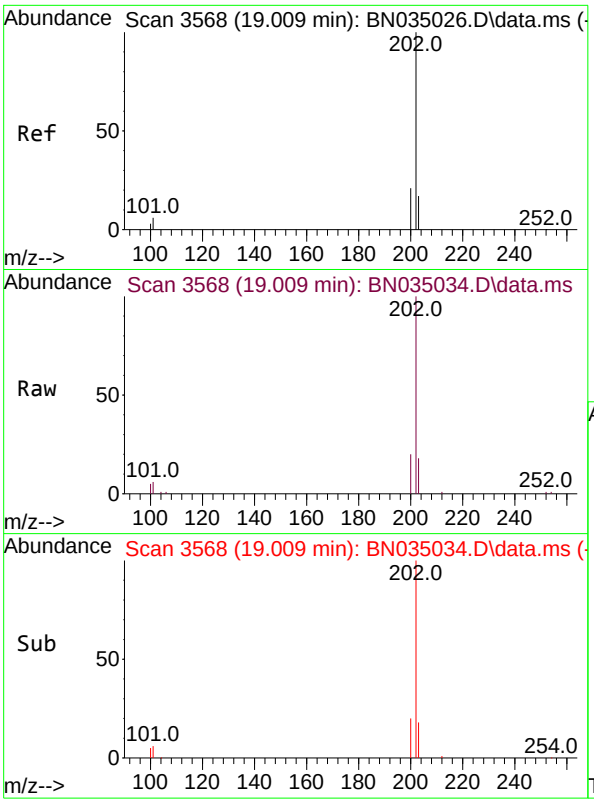




#16
Anthracene
Concen: 0.387 ng/ul
RT: 17.076 min Scan# 3121
Delta R.T. -0.008 min
Lab File: BN035034.D
Acq: 12 Nov 2024 13:26

Tgt Ion:178 Resp: 10283

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.4 | 13.3 | 19.9 |
| 176 | 19.2 | 15.8 | 23.8 |



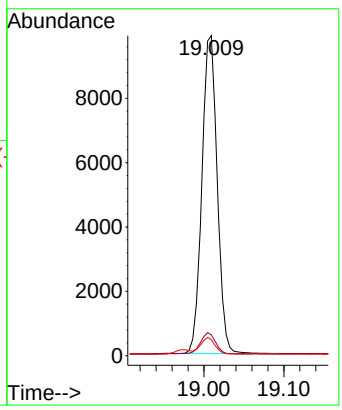


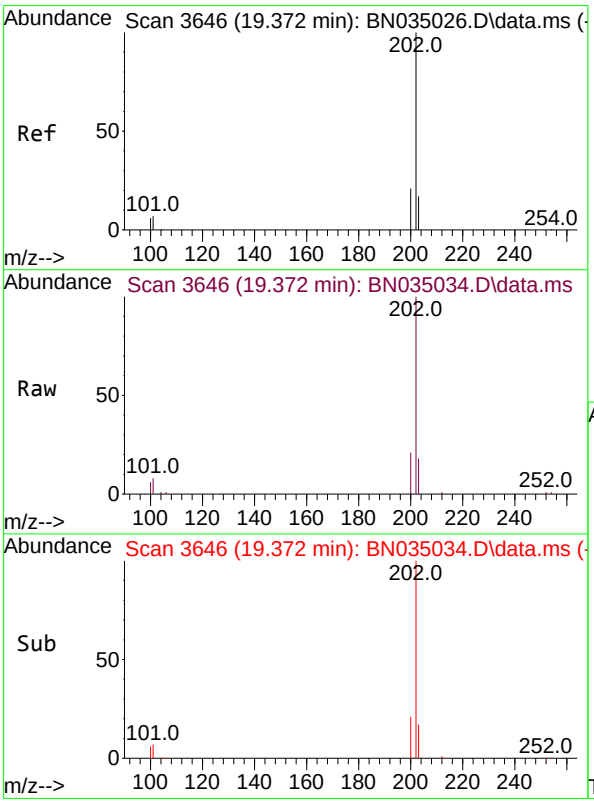

#19
Fluoranthene
Concen: 0.401 ng/ul
RT: 19.009 min Scan# 3
Delta R.T. -0.009 min
Lab File: BN035034.D
Acq: 12 Nov 2024 13:26

**Instrument :**
BNA_N
**ClientSampleId :**
SLCS731

Tgt Ion:202 Resp: 13206

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 6.5 | 4.2 | 6.2# |
| 100 | 5.0 | 3.2 | 4.8# |

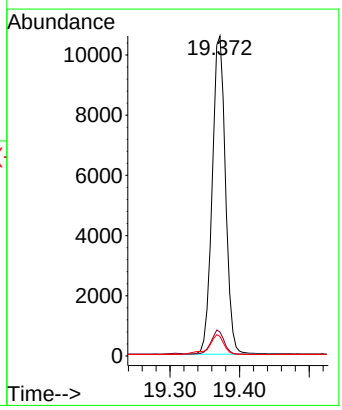


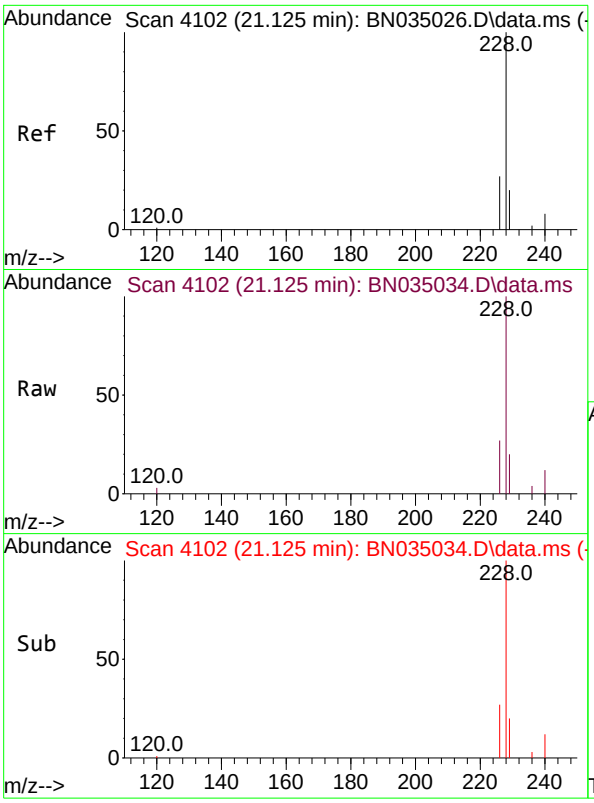




#20
Pyrene
Concen: 0.411 ng/ul
RT: 19.372 min Scan# 3646
Delta R.T. -0.009 min
Lab File: BN035034.D
Acq: 12 Nov 2024 13:26

Tgt Ion:202 Resp: 14031

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 7.5 | 5.0 | 7.4# |
| 100 | 6.1 | 4.1 | 6.1 |



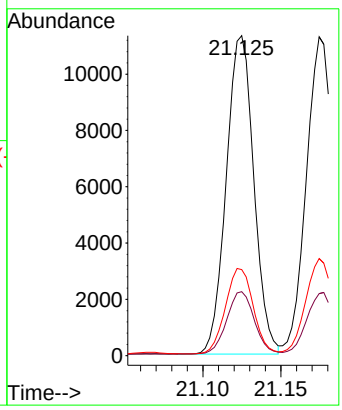


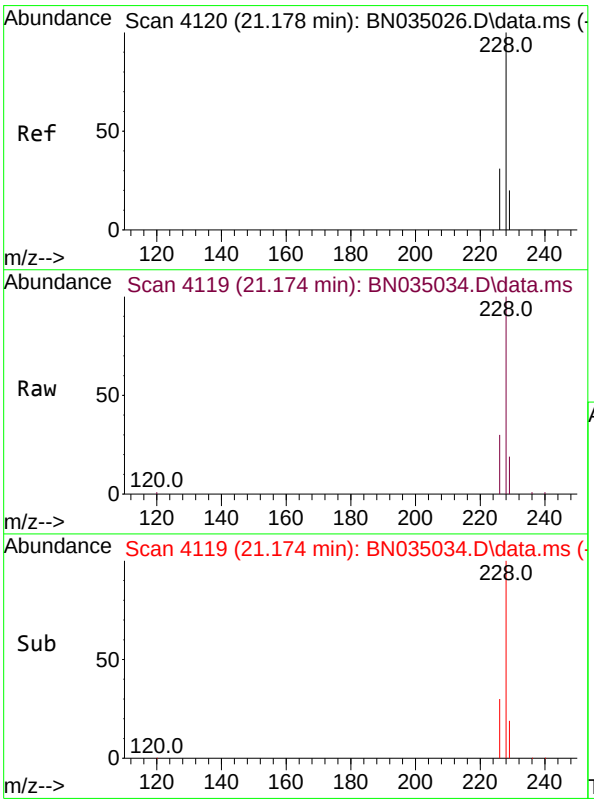

#21
Benzo(a)anthracene
Concen: 0.390 ng/ul
RT: 21.125 min Scan# 4
Delta R.T. -0.006 min
Lab File: BN035034.D
Acq: 12 Nov 2024 13:26

**Instrument :**
BNA_N
**ClientSampleId :**
SLCS731

Tgt Ion:228 Resp: 13906

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 20.0 | 15.8 | 23.8 |
| 226 | 26.9 | 22.2 | 33.2 |

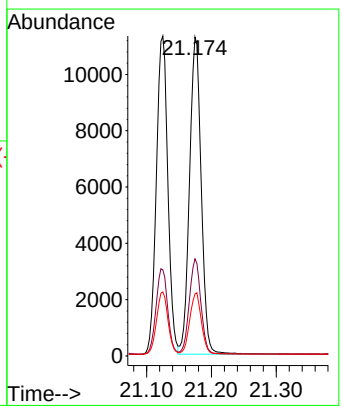


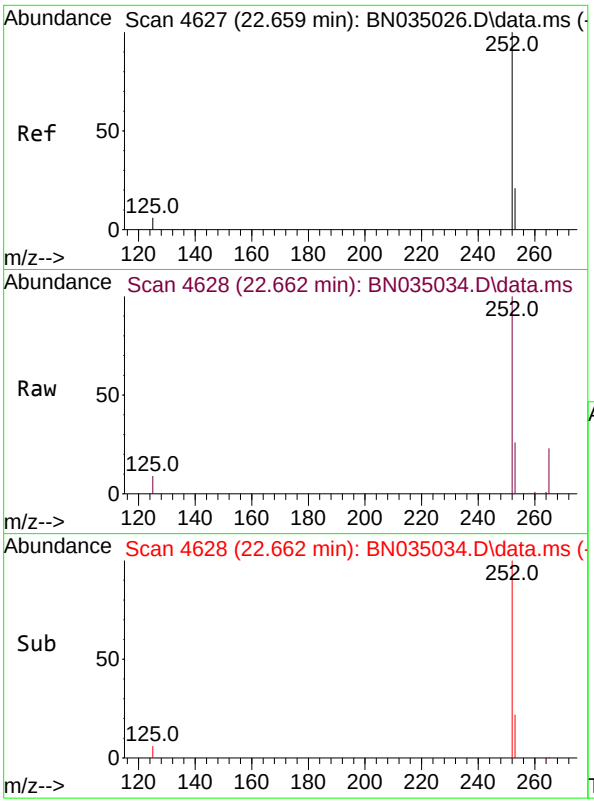




#22
Chrysene
Concen: 0.388 ng/ul
RT: 21.174 min Scan# 4119
Delta R.T. -0.009 min
Lab File: BN035034.D
Acq: 12 Nov 2024 13:26

Tgt Ion:228 Resp: 14133

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.5 | 24.2 | 36.4 |
| 229 | 19.5 | 15.4 | 23.2 |



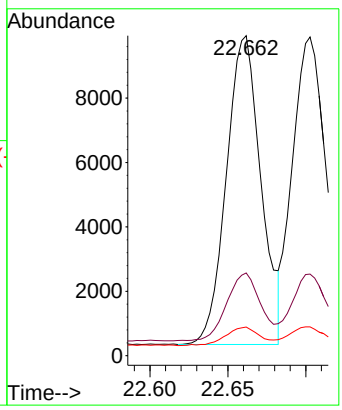


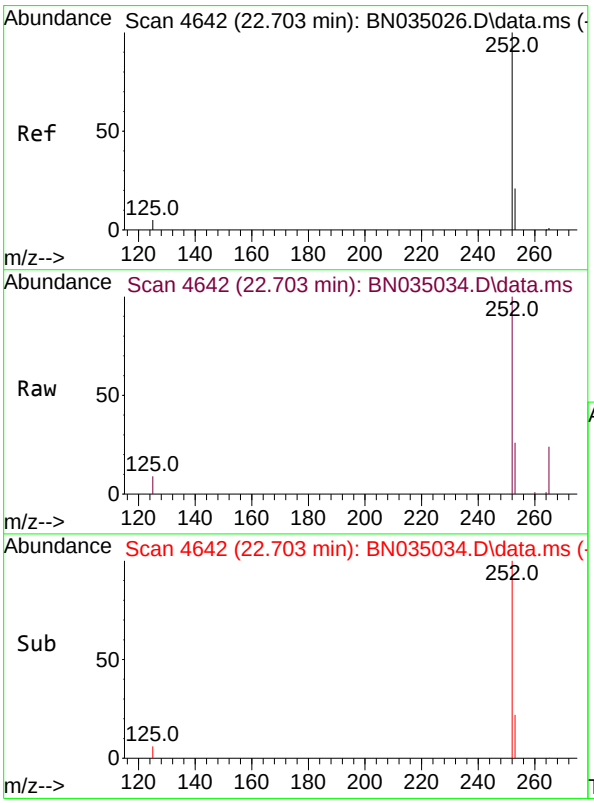

#24
Benzo(b)fluoranthene
Concen: 0.394 ng/ul
RT: 22.662 min Scan# 4
Delta R.T. -0.009 min
Lab File: BN035034.D
Acq: 12 Nov 2024 13:26

**Instrument :**
BNA_N
**ClientSampleId :**
SLCS731

Tgt Ion:252 Resp: 14808

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.8 | 0.0 | 50.0 |
| 125 | 8.9 | 0.0 | 14.0 |

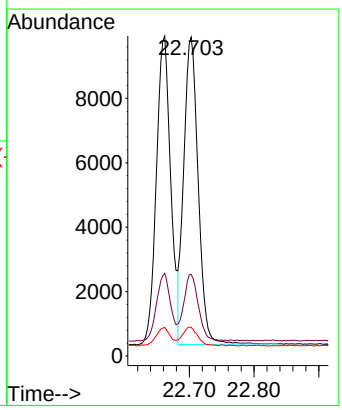


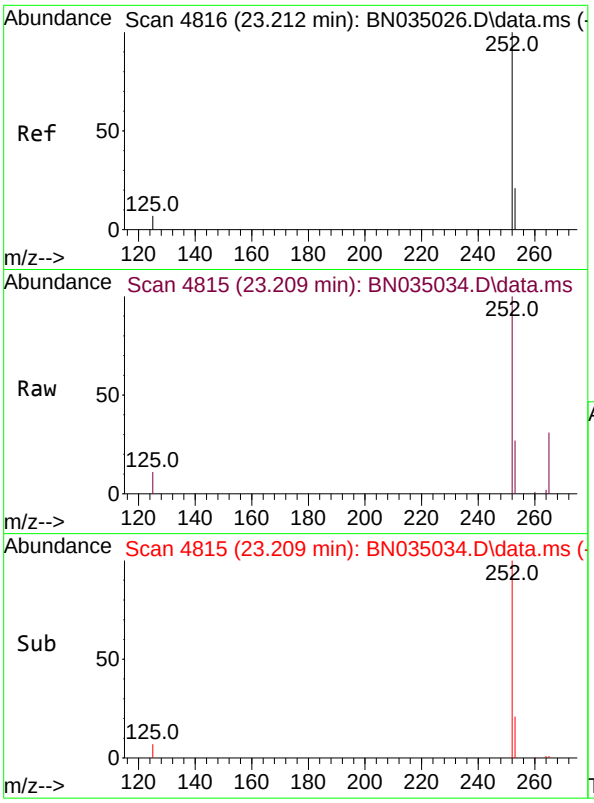




#25
Benzo(k)fluoranthene
Concen: 0.376 ng/ul
RT: 22.703 min Scan# 4642
Delta R.T. -0.009 min
Lab File: BN035034.D
Acq: 12 Nov 2024 13:26

Tgt Ion:252 Resp: 14770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.6 | 20.2 | 30.4 |
| 125 | 9.1 | 5.8 | 8.8# |



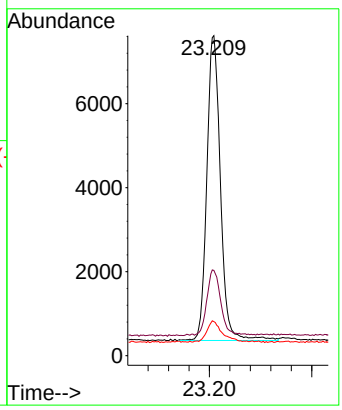


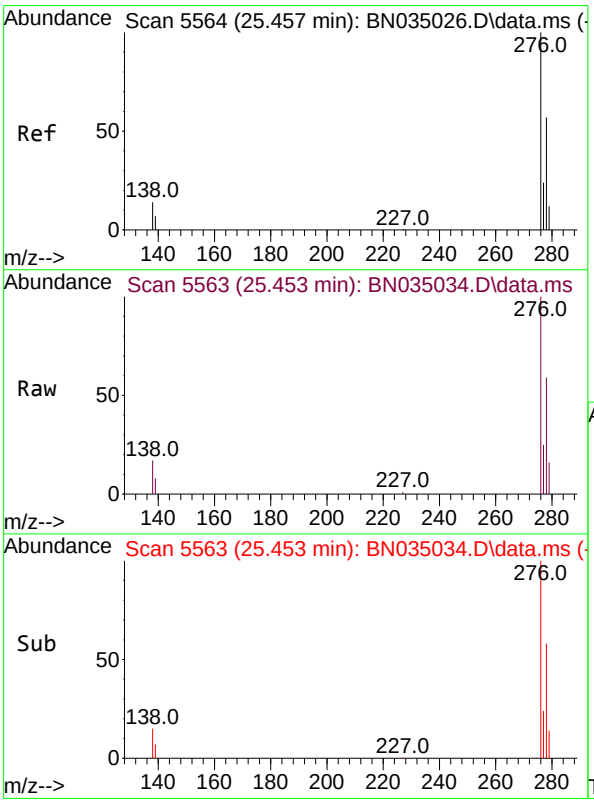

#26
Benzo(a)pyrene
Concen: 0.400 ng/ul
RT: 23.209 min Scan# 4
Delta R.T. -0.009 min
Lab File: BN035034.D
Acq: 12 Nov 2024 13:26

**Instrument :**
BNA_N
**ClientSampleId :**
SLCS731

Tgt Ion:252 Resp: 13426

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 26.7 | 21.2 | 31.8 |
| 125 | 10.7 | 6.3 | 9.5# |

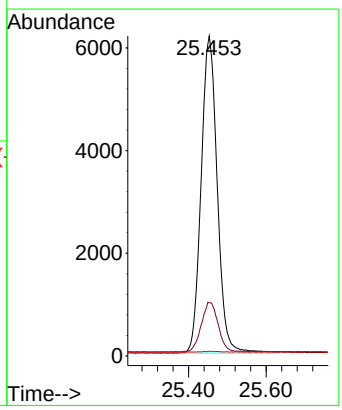


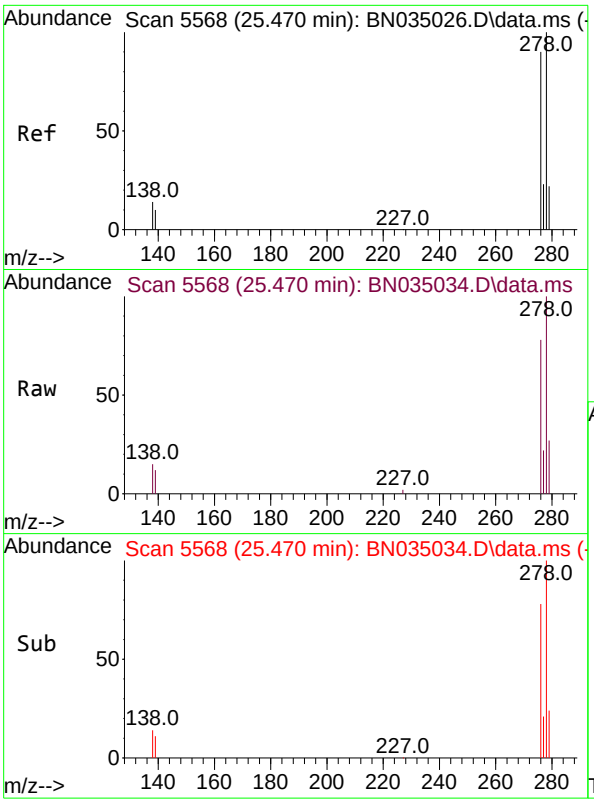




#27
Indeno(1,2,3-cd)pyrene
Concen: 0.434 ng/ul
RT: 25.453 min Scan# 5563
Delta R.T. -0.017 min
Lab File: BN035034.D
Acq: 12 Nov 2024 13:26

Tgt Ion:276 Resp: 17797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 16.3 | 10.8 | 16.2# |
| 227 | 0.2 | 0.2 | 0.4# |



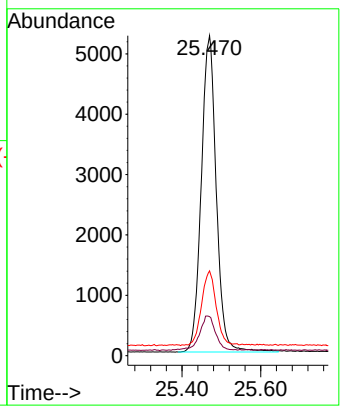


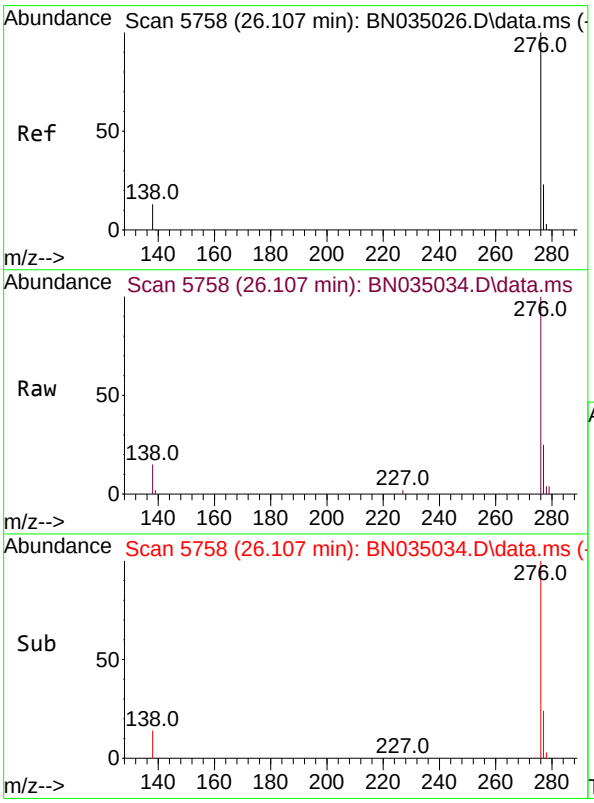

#28
Dibenzo(a,h)anthracene
Concen: 0.434 ng/ul
RT: 25.470 min Scan# 5
Delta R.T. -0.017 min
Lab File: BN035034.D
Acq: 12 Nov 2024 13:26

**Instrument :**
BNA_N
**ClientSampleId :**
SLCS731

Tgt Ion:278 Resp: 13870

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 12.2 | 8.4 | 12.6 |
| 279 | 26.5 | 21.5 | 32.3 |




#29
Benzo(g,h,i)perylene
Concen: 0.447 ng/ul
RT: 26.107 min Scan# 5758
Delta R.T. -0.020 min
Lab File: BN035034.D
Acq: 12 Nov 2024 13:26

Tgt Ion:276 Resp: 14016

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 15.2 | 10.3 | 15.5 |
| 277 | 25.4 | 20.2 | 30.2 |