Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN053122\
Data File : BN020002.D
Acq On : 31 May 2022 14:53
Operator : CG/JU
Sample : SSTD0.847
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
SSTD0.8247

Quant Time: May 31 15:28:31 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN053122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 31 15:19:36 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.846 | 152 | 3523 | 0.400 | ng/ul | 0.00 |
| 4) Naphthalene-d8 | 10.634 | 136 | 10912 | 0.400 | ng/ul | 0.00 |
| 9) Acenaphthene-d10 | 14.469 | 164 | 6426 | 0.400 | ng/ul | 0.00 |
| 13) Phenanthrene-d10 | 17.208 | 188 | 13571 | 0.400 | ng/ul | 0.00 |
| 17) Chrysene-d12 | 21.398 | 240 | 12261 | 0.400 | ng/ul | 0.00 |
| 23) Perylene-d12 | 23.737 | 264 | 10474 | 0.400 | ng/ul | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.311 | 96 | 3428 | 1.044 | ng/ul | 0.00 |
| 6) 2-Methylnaphthalene-d10 | 12.223 | 152 | 15002 | 0.842 | ng/ul | 0.00 |
| 18) Fluoranthene-d10 | 19.234 | 212 | 31518 | 0.719 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.344 | 88 | 3616 | 1.055 | ng/ul# | 77 |
| 5) Naphthalene | 10.683 | 128 | 25168 | 0.735 | ng/ul | 99 |
| 7) 2-Methylnaphthalene | 12.294 | 142 | 16510 | 0.728 | ng/ul# | 100 |
| 8) 1-Methylnaphthalene | 12.514 | 142 | 17603 | 0.834 | ng/ul# | 100 |
| 10) Acenaphthylene | 14.187 | 152 | 23737 | 0.648 | ng/ul | 99 |
| 11) Acenaphthene | 14.529 | 153 | 18155 | 0.732 | ng/ul | 99 |
| 12) Fluorene | 15.515 | 166 | 20999 | 0.757 | ng/ul | 99 |
| 14) Pentachlorophenol | 16.862 | 266 | 2156 | 0.954 | ng/ul | 90 |
| 15) Phenanthrene | 17.246 | 178 | 35407 | 0.742 | ng/ul | 99 |
| 16) Anthracene | 17.339 | 178 | 31277 | 0.699 | ng/ul | 98 |
| 19) Fluoranthene | 19.267 | 202 | 39054 | 0.638 | ng/ul | 99 |
| 20) Pyrene | 19.629 | 202 | 38488 | 0.620 | ng/ul | 100 |
| 21) Benzo(a)anthracene | 21.384 | 228 | 33768 | 0.674 | ng/ul | 99 |
| 22) Chrysene | 21.433 | 228 | 37369 | 0.738 | ng/ul | 99 |
| 24) Benzo(b)fluoranthene | 23.029 | 252 | 36589 | 0.790 | ng/ul | 89 |
| 25) Benzo(k)fluoranthene | 23.073 | 252 | 35207 | 0.781 | ng/ul | 95 |
| 26) Benzo(a)pyrene | 23.634 | 252 | 32970 | 0.753 | ng/ul# | 75 |
| 27) Indeno(1,2,3-cd)pyrene | 26.136 | 276 | 38697 | 0.843 | ng/ul# | 95 |
| 28) Dibenzo(a,h)anthracene | 26.149 | 278 | 31825 | 0.845 | ng/ul# | 79 |
| 29) Benzo(g,h,i)perylene | 26.870 | 276 | 32560 | 0.829 | ng/ul | 97 |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN053122\
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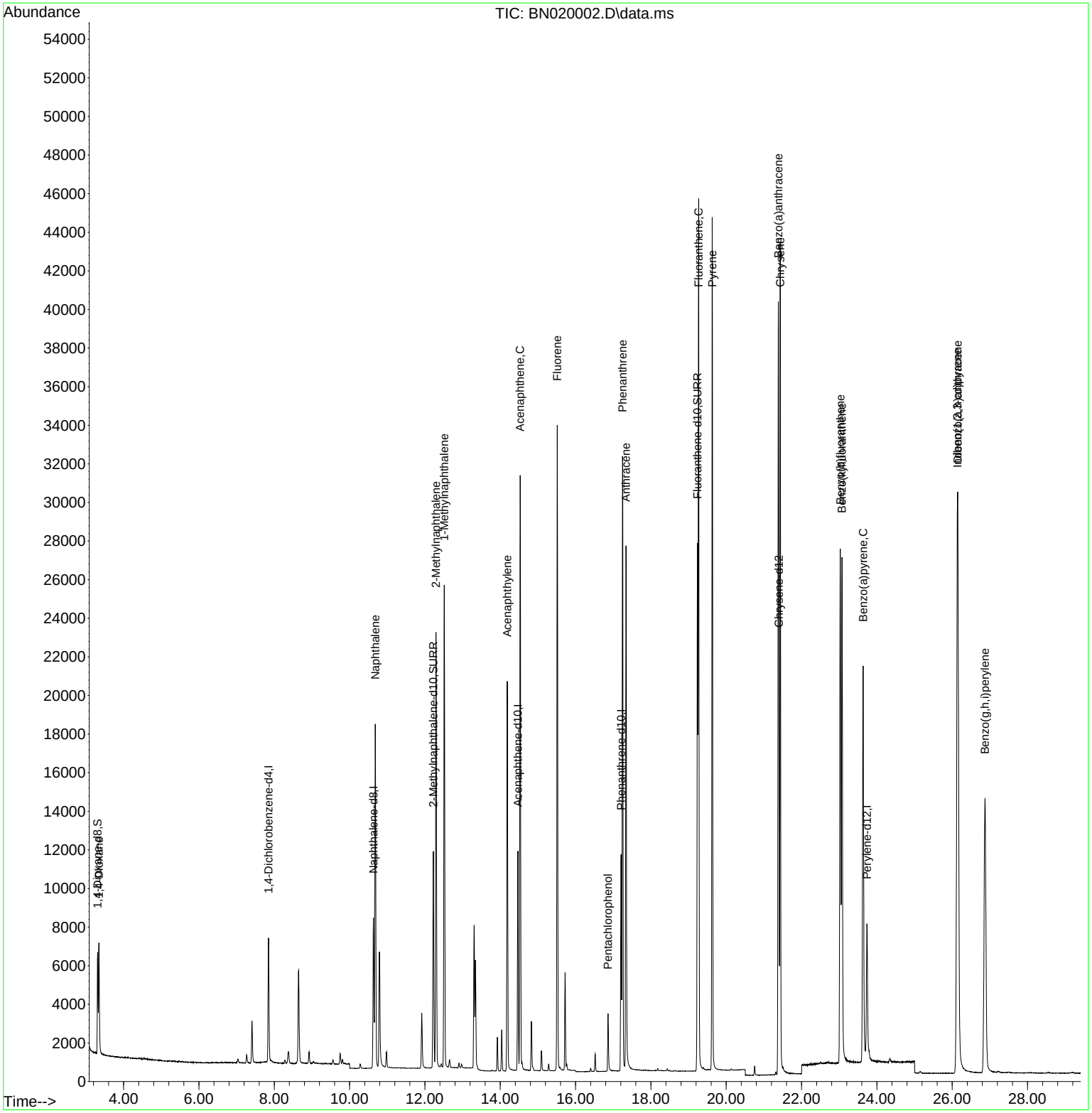
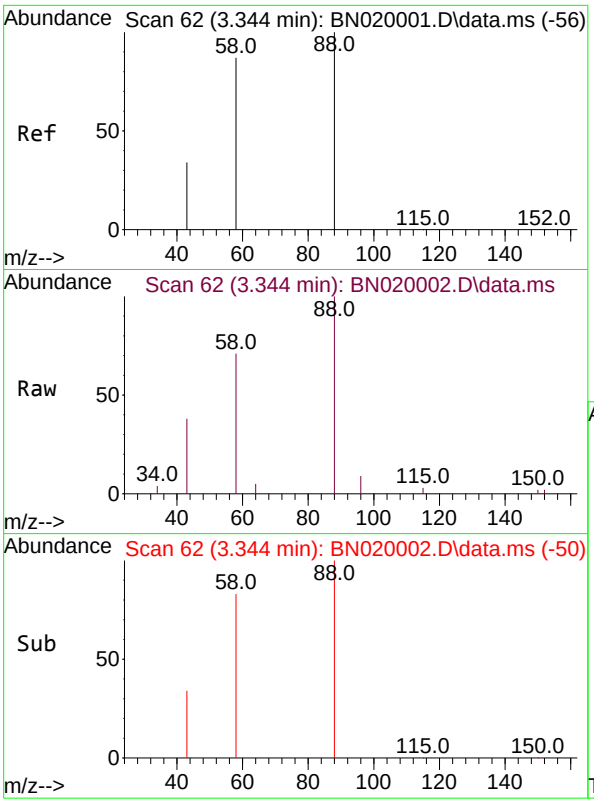
Sample : SSTD0.847
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
SSTD0.8247

Quant Time: May 31 15:28:31 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN053122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 31 15:19:36 2022
Response via : Initial Calibration



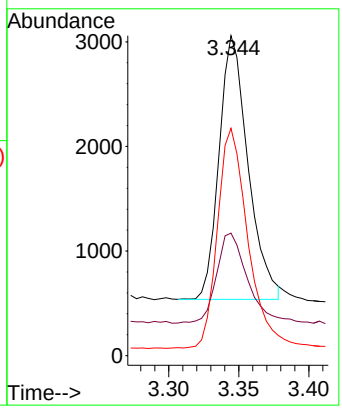


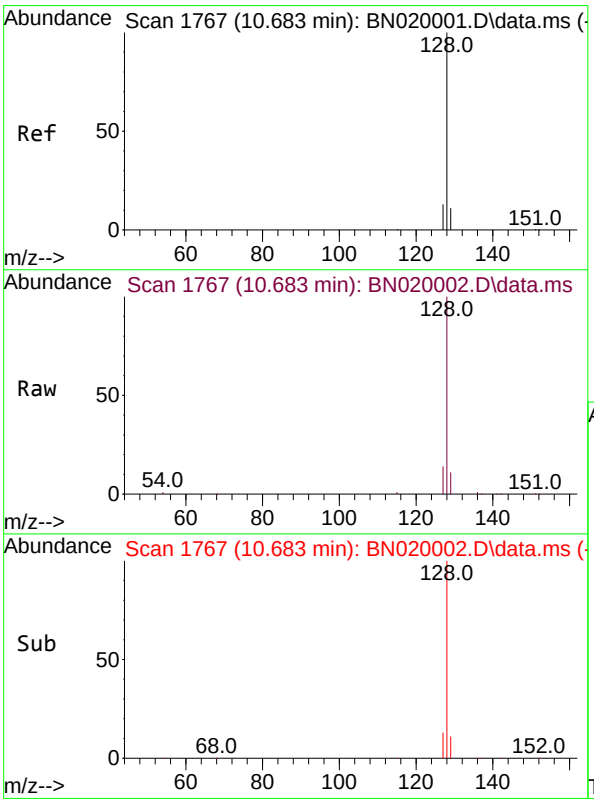

#2
1,4-Dioxane
Concen: 1.055 ng/ul
RT: 3.344 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN020002.D
Acq: 31 May 2022 14:53

**Instrument :**
BNA_N
**ClientSampleId :**
SSTD0.8247

Tgt Ion: 88 Resp: 3616

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 38.3 | 39.0 | 58.4# |
| 58 | 71.0 | 39.8 | 59.8# |

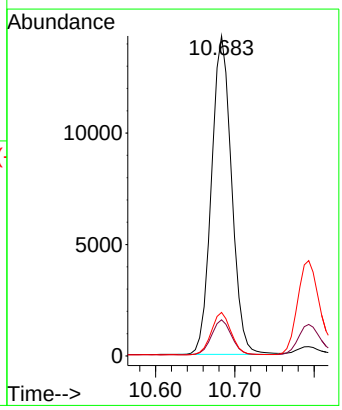


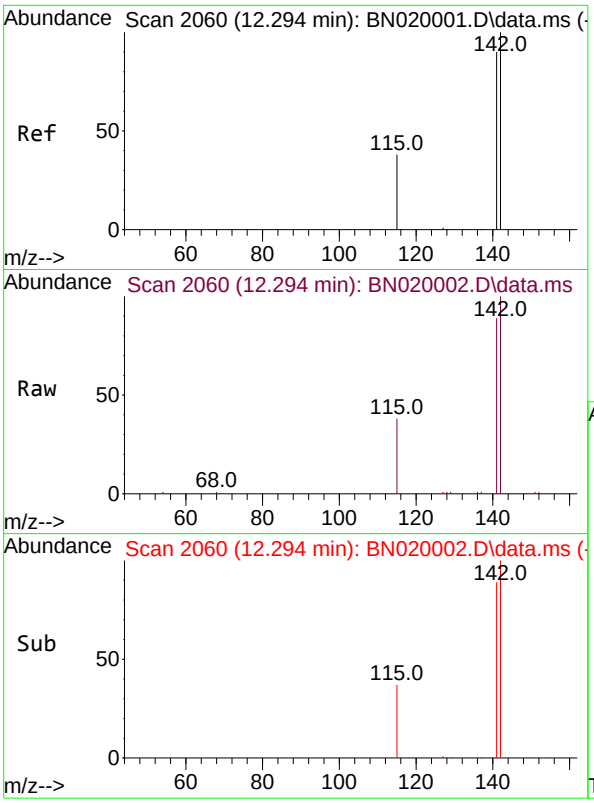




#5
Naphthalene
Concen: 0.735 ng/ul
RT: 10.683 min Scan# 1767
Delta R.T. 0.000 min
Lab File: BN020002.D
Acq: 31 May 2022 14:53

Tgt Ion:128 Resp: 25168

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.3 | 9.5 | 14.3 |
| 127 | 13.6 | 11.0 | 16.4 |



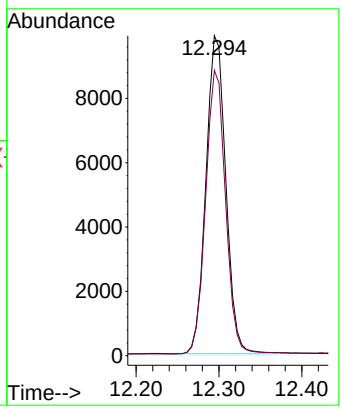


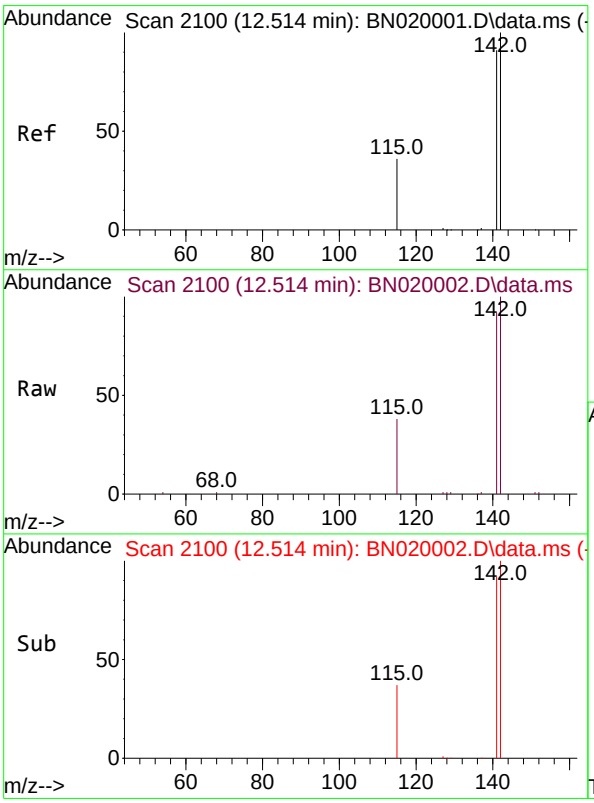

#7
2-Methylnaphthalene
Concen: 0.728 ng/ul
RT: 12.294 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN020002.D
Acq: 31 May 2022 14:53

**Instrument :**
BNA_N
**ClientSampleId :**
SSTD0.8247

Tgt Ion:142 Resp: 16510

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.1 | 0.0 | 0.0# |

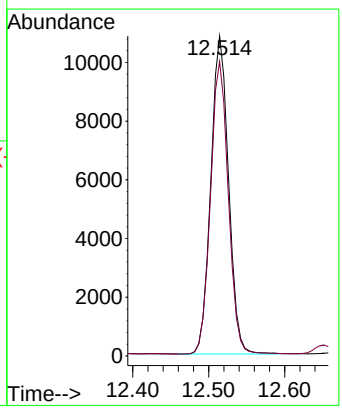


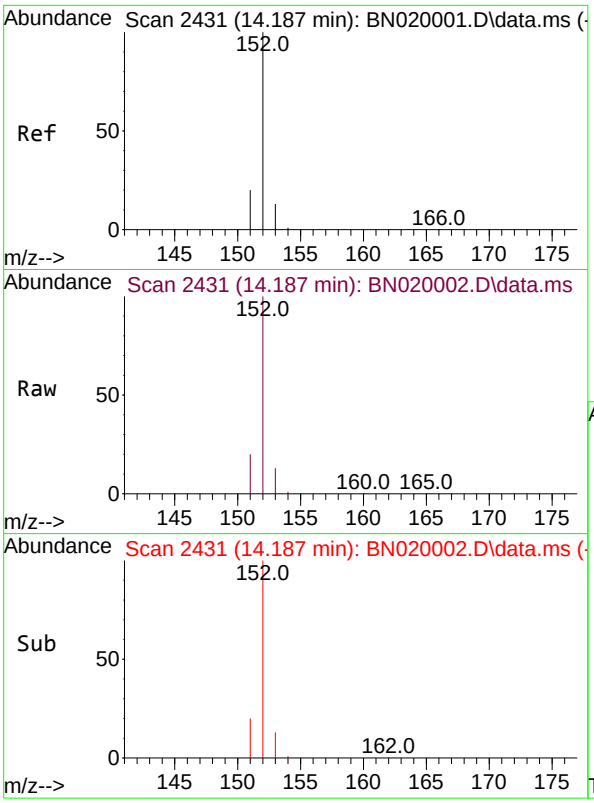




#8
1-Methylnaphthalene
Concen: 0.834 ng/ul
RT: 12.514 min Scan# 2100
Delta R.T. 0.000 min
Lab File: BN020002.D
Acq: 31 May 2022 14:53

Tgt Ion:142 Resp: 17603

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.0 | 0.0 | 0.0# |



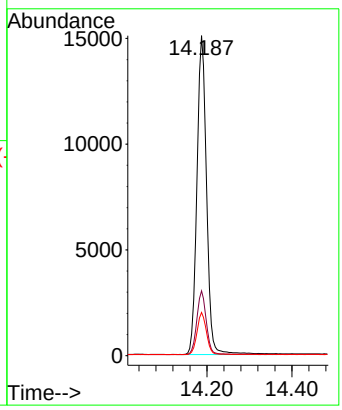


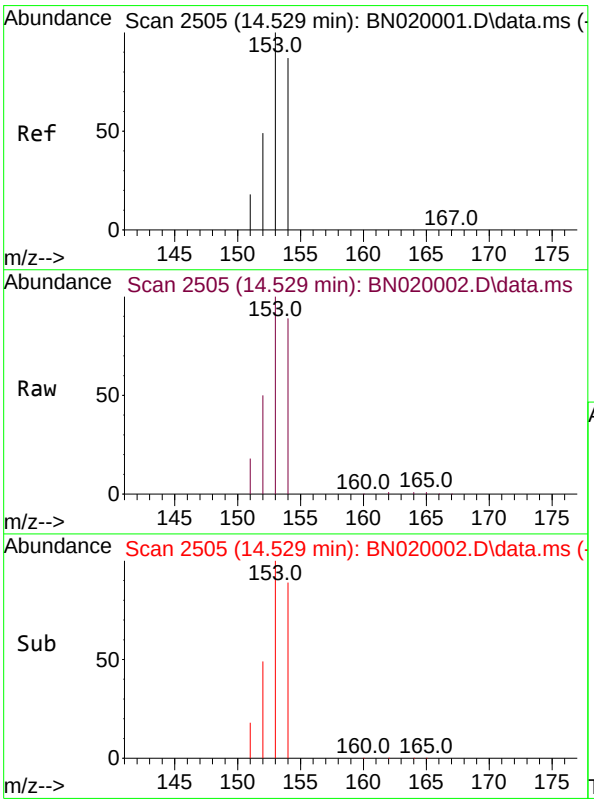

#10
Acenaphthylene
Concen: 0.648 ng/ul
RT: 14.187 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN020002.D
Acq: 31 May 2022 14:53

**Instrument :**
BNA_N
**ClientSampleId :**
SSTD0.8247

Tgt Ion:152 Resp: 23737

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.3 | 16.3 | 24.5 |
| 153 | 13.5 | 11.1 | 16.7 |

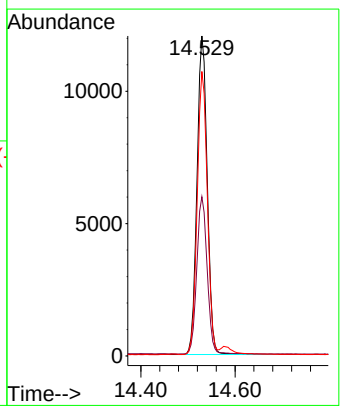


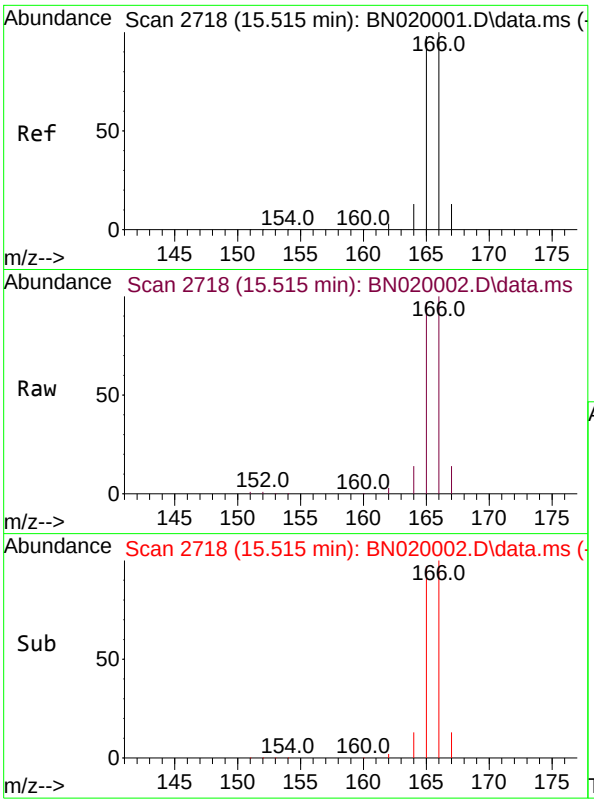




#11
Acenaphthene
Concen: 0.732 ng/ul
RT: 14.529 min Scan# 2505
Delta R.T. 0.000 min
Lab File: BN020002.D
Acq: 31 May 2022 14:53

Tgt Ion:153 Resp: 18155

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 49.7 | 38.6 | 57.8 |
| 154 | 88.9 | 71.2 | 106.8 |



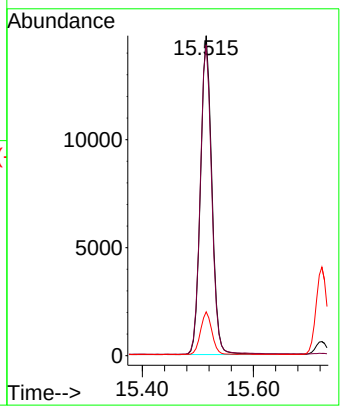


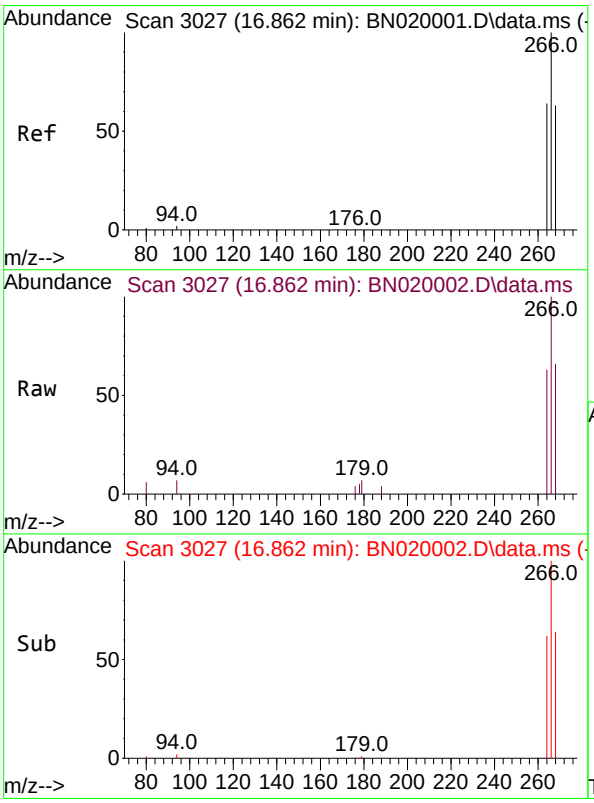

#12
Fluorene
Concen: 0.757 ng/ul
RT: 15.515 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN020002.D
Acq: 31 May 2022 14:53

**Instrument :**
BNA_N
**ClientSampleId :**
SSTD0.8247

Tgt Ion:166 Resp: 20999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.2 | 78.2 | 117.2 |
| 167 | 13.7 | 11.3 | 16.9 |

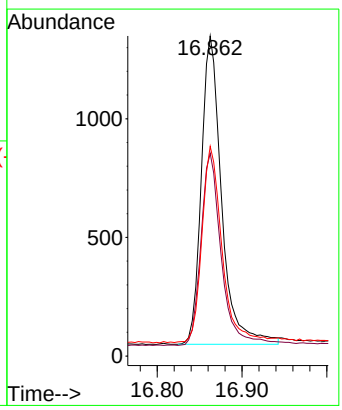


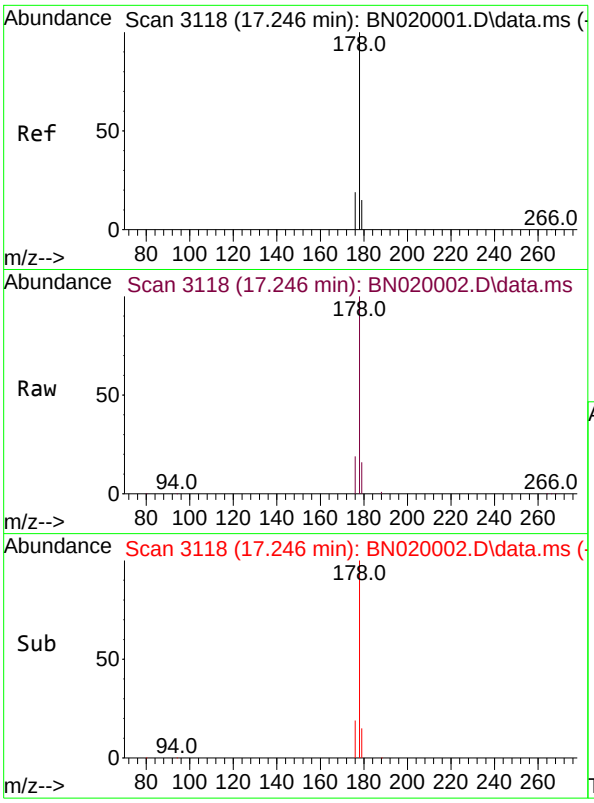




#14
Pentachlorophenol
Concen: 0.954 ng/ul
RT: 16.862 min Scan# 3027
Delta R.T. 0.000 min
Lab File: BN020002.D
Acq: 31 May 2022 14:53

Tgt Ion:266 Resp: 2156

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 62.7 | 44.9 | 67.3 |
| 268 | 63.7 | 44.6 | 67.0 |



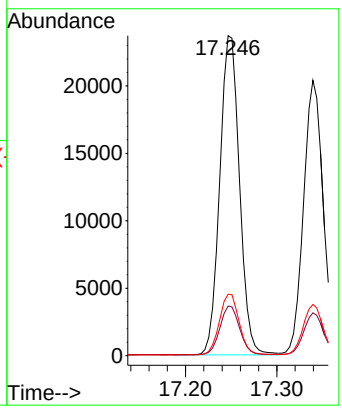


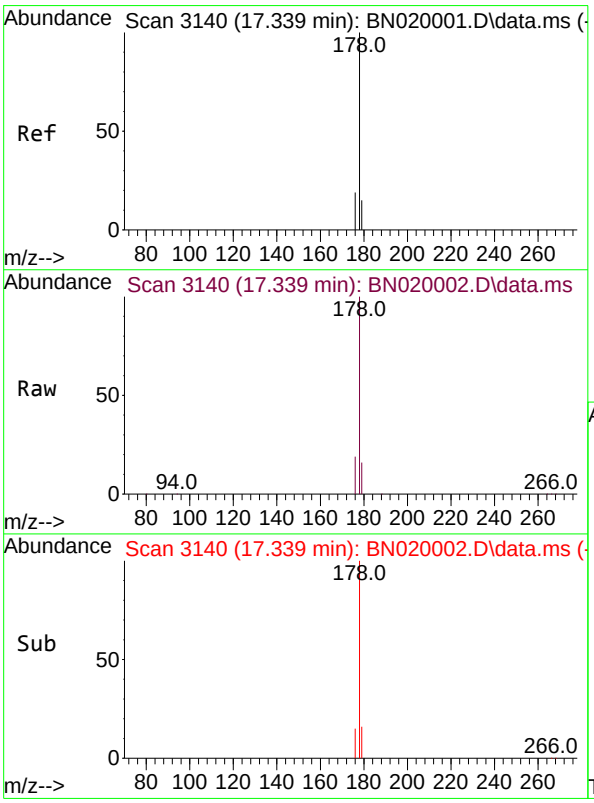

#15
Phenanthrene
Concen: 0.742 ng/ul
RT: 17.246 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN020002.D
Acq: 31 May 2022 14:53

**Instrument :**
BNA_N
**ClientSampleId :**
SSTD0.8247

Tgt Ion:178 Resp: 35407

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.5 | 12.9 | 19.3 |
| 176 | 19.2 | 15.5 | 23.3 |

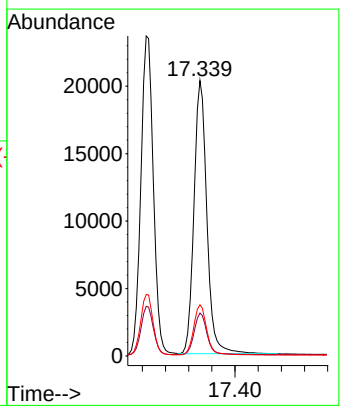


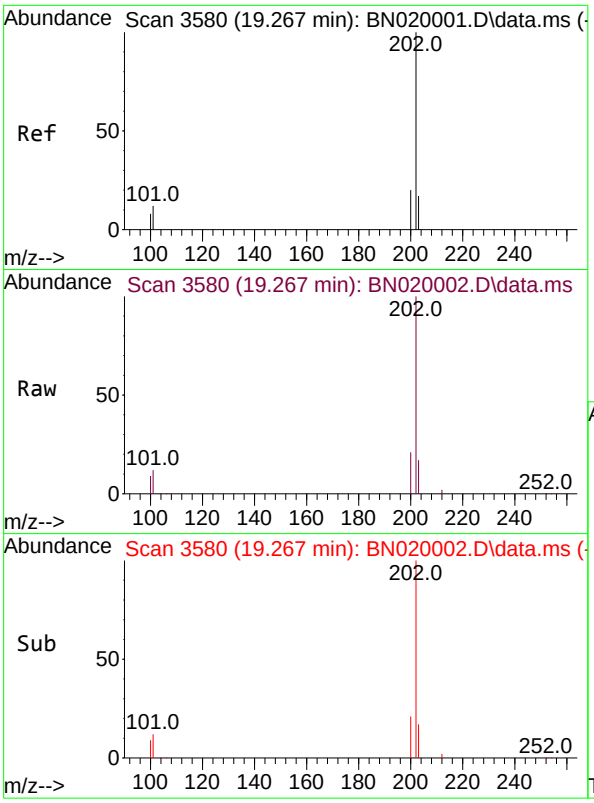




#16
Anthracene
Concen: 0.699 ng/ul
RT: 17.339 min Scan# 3140
Delta R.T. 0.000 min
Lab File: BN020002.D
Acq: 31 May 2022 14:53

Tgt Ion:178 Resp: 31277

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.5 | 13.1 | 19.7 |
| 176 | 18.6 | 15.3 | 22.9 |



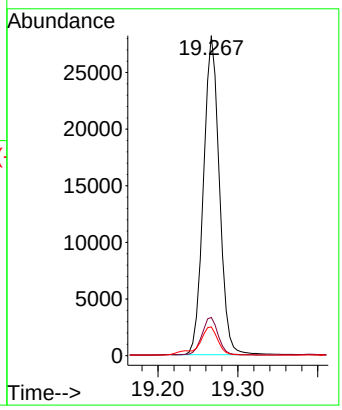


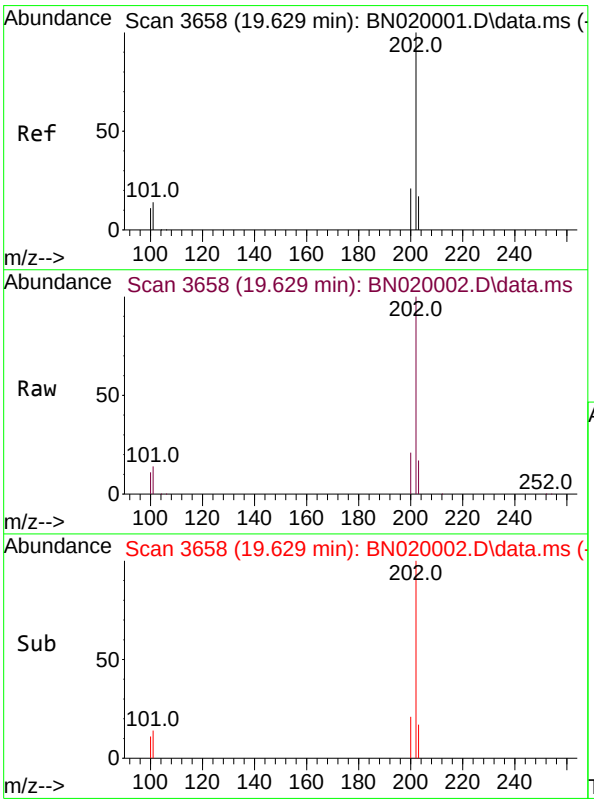

#19
Fluoranthene
Concen: 0.638 ng/ul
RT: 19.267 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN020002.D
Acq: 31 May 2022 14:53

**Instrument :**
BNA_N
**ClientSampleId :**
SSTD0.8247

Tgt Ion:202 Resp: 39054

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.0 | 9.7 | 14.5 |
| 100 | 9.0 | 7.4 | 11.2 |

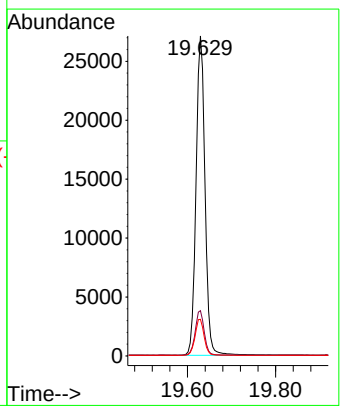


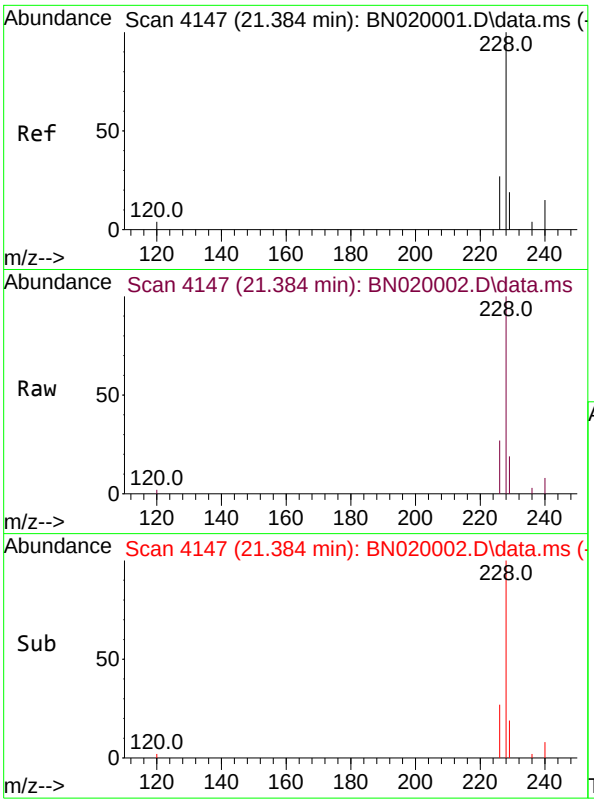




#20
Pyrene
Concen: 0.620 ng/ul
RT: 19.629 min Scan# 3658
Delta R.T. 0.000 min
Lab File: BN020002.D
Acq: 31 May 2022 14:53

Tgt Ion:202 Resp: 38488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 14.2 | 11.4 | 17.0 |
| 100 | 11.5 | 9.0 | 13.4 |



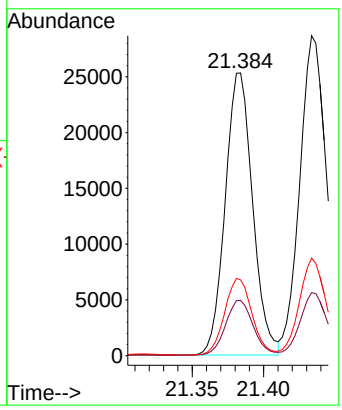


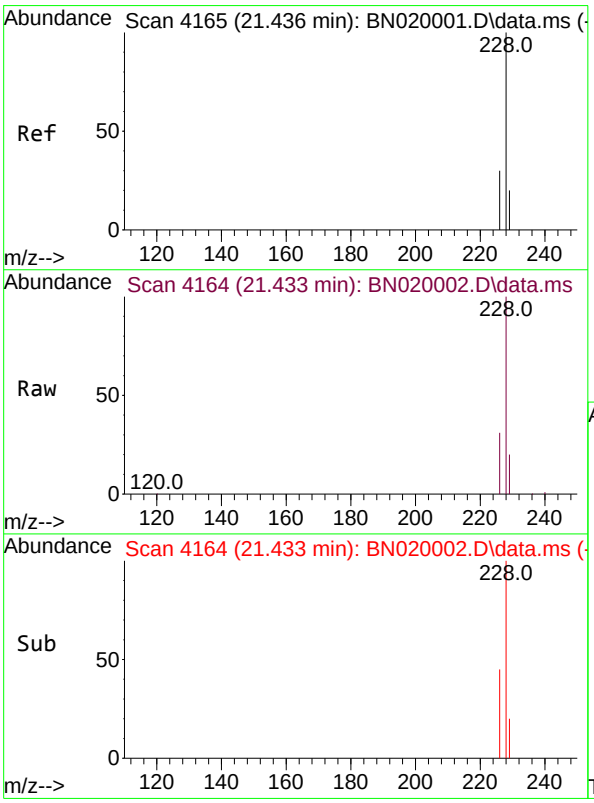

#21
Benzo(a)anthracene
Concen: 0.674 ng/ul
RT: 21.384 min Scan# 4
Delta R.T. 0.000 min
Lab File: BN020002.D
Acq: 31 May 2022 14:53

**Instrument :**
BNA_N
**ClientSampleId :**
SSTD0.8247

Tgt Ion:228 Resp: 33768

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 19.5 | 16.1 | 24.1 |
| 226 | 26.8 | 22.1 | 33.1 |

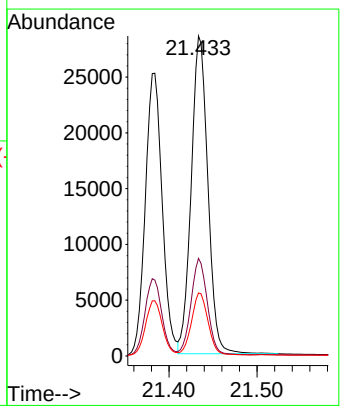


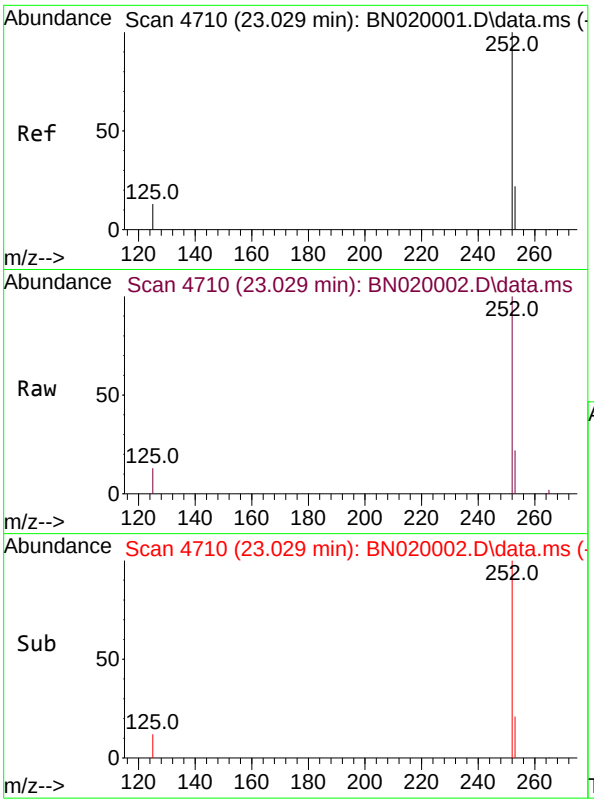




#22
Chrysene
Concen: 0.738 ng/ul
RT: 21.433 min Scan# 4164
Delta R.T. -0.003 min
Lab File: BN020002.D
Acq: 31 May 2022 14:53

Tgt Ion:228 Resp: 37369

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.5 | 24.2 | 36.2 |
| 229 | 19.7 | 16.0 | 24.0 |



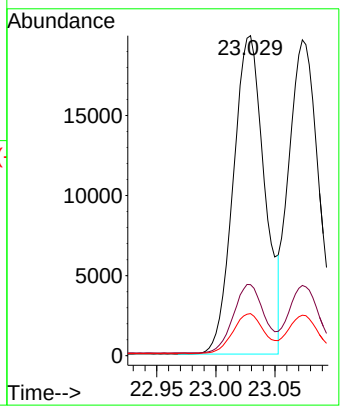


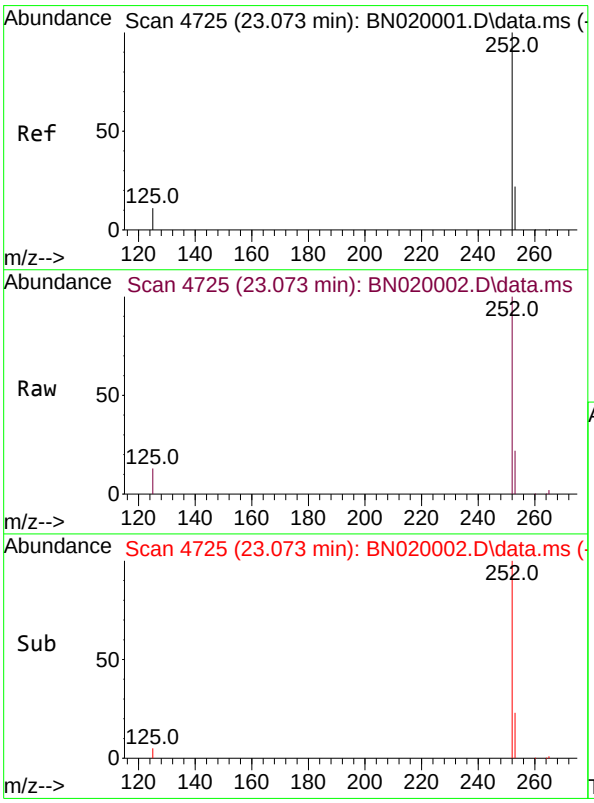

#24
Benzo(b)fluoranthene
Concen: 0.790 ng/ul
RT: 23.029 min Scan# 4
Delta R.T. 0.000 min
Lab File: BN020002.D
Acq: 31 May 2022 14:53

**Instrument :**
BNA_N
**ClientSampleId :**
SSTD0.8247

Tgt Ion:252 Resp: 36589

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.2 | 0.0 | 52.0 |
| 125 | 13.1 | 0.0 | 40.2 |

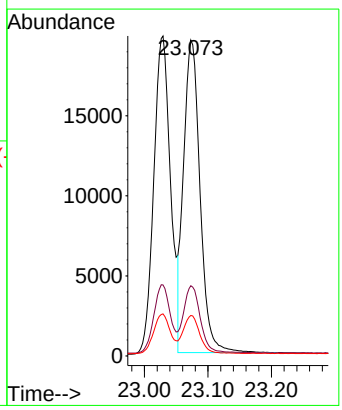


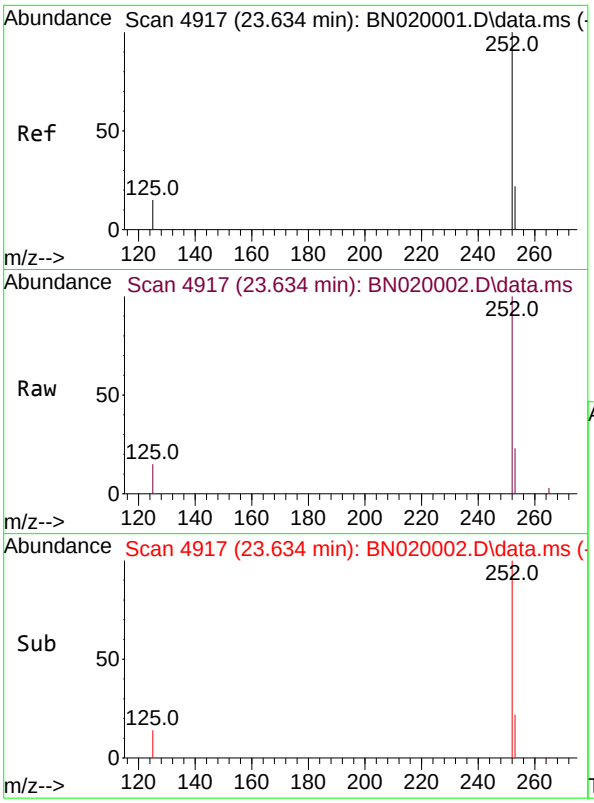




#25
Benzo(k)fluoranthene
Concen: 0.781 ng/ul
RT: 23.073 min Scan# 4725
Delta R.T. 0.000 min
Lab File: BN020002.D
Acq: 31 May 2022 14:53

Tgt Ion:252 Resp: 35207

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.3 | 20.2 | 30.2 |
| 125 | 12.8 | 11.0 | 16.6 |



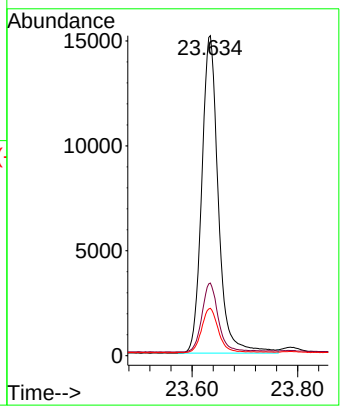


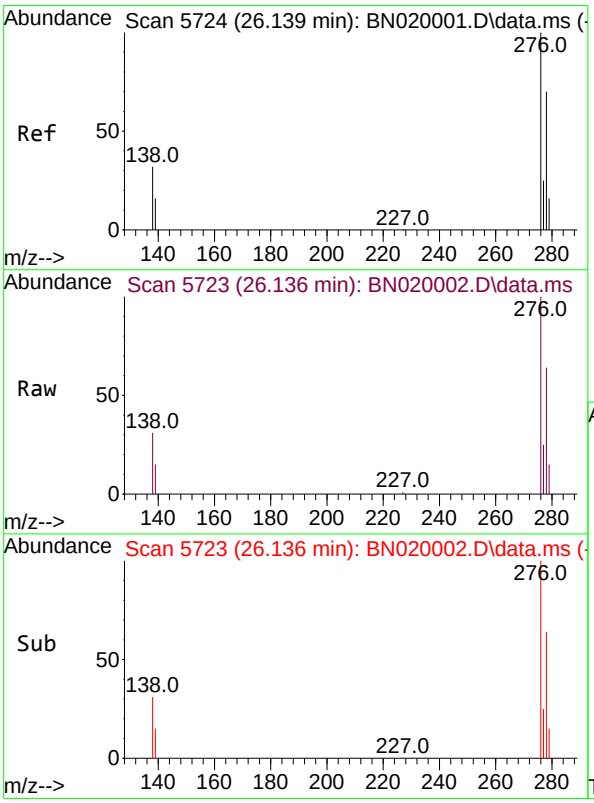

#26
Benzo(a)pyrene
Concen: 0.753 ng/ul
RT: 23.634 min Scan# 4
Delta R.T. 0.000 min
Lab File: BN020002.D
Acq: 31 May 2022 14:53

**Instrument :**
BNA_N
**ClientSampleId :**
SSTD0.8247

Tgt Ion:252 Resp: 32970

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.7 | 23.4 | 35.0# |
| 125 | 14.8 | 28.3 | 42.5# |

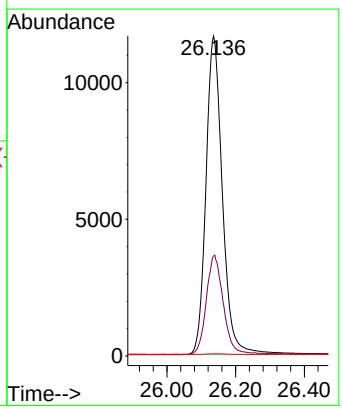


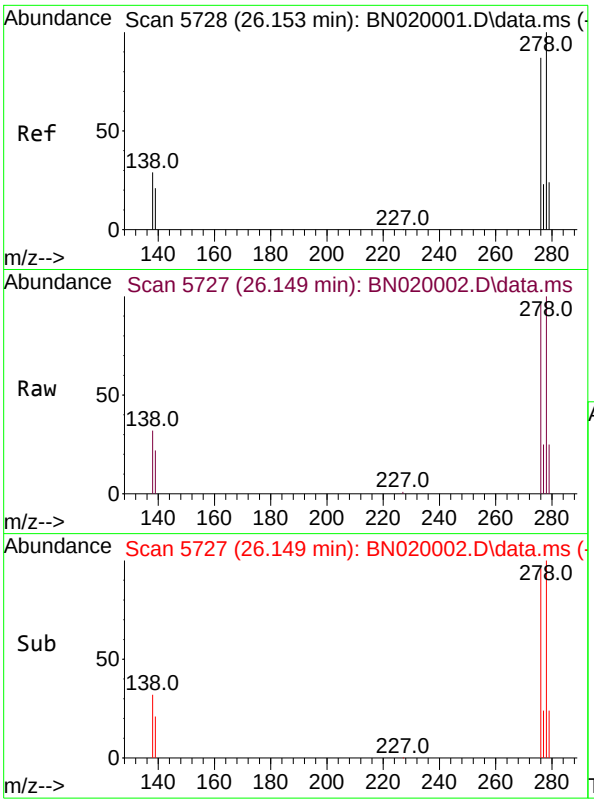




#27
Indeno(1,2,3-cd)pyrene
Concen: 0.843 ng/ul
RT: 26.136 min Scan# 5723
Delta R.T. -0.003 min
Lab File: BN020002.D
Acq: 31 May 2022 14:53

Tgt Ion:276 Resp: 38697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 32.2 | 23.6 | 35.4 |
| 227 | 0.2 | 0.0 | 0.0# |



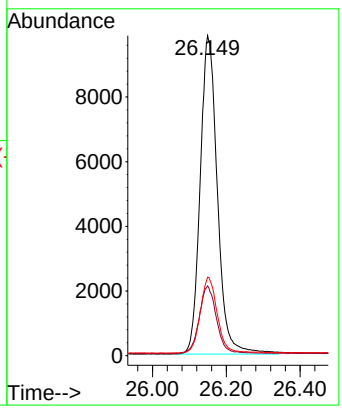


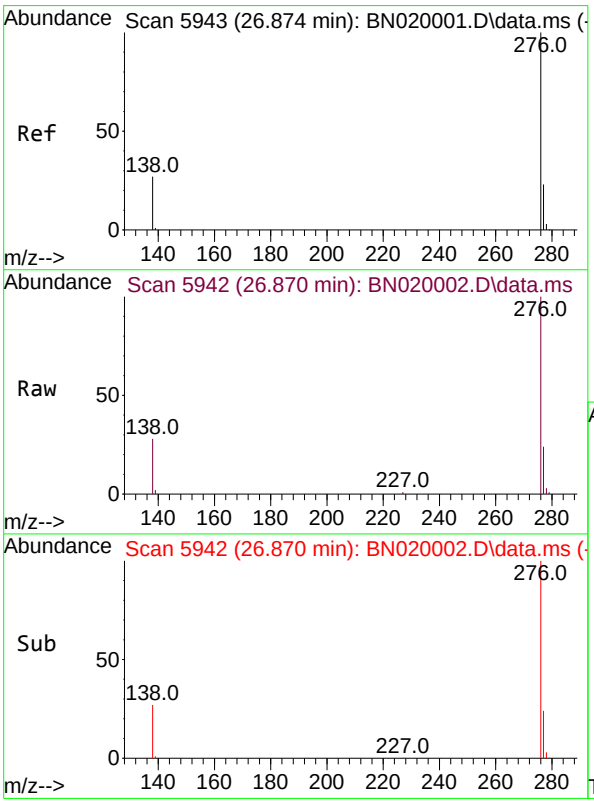

#28
Dibenzo(a,h)anthracene
Concen: 0.845 ng/ul
RT: 26.149 min Scan# 5
Delta R.T. -0.003 min
Lab File: BN020002.D
Acq: 31 May 2022 14:53

**Instrument :**
BNA_N
**ClientSampleId :**
SSTD0.8247

Tgt Ion:278 Resp: 31825

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 21.8 | 18.6 | 28.0 |
| 279 | 24.5 | 35.1 | 52.7# |




#29
Benzo(g,h,i)perylene
Concen: 0.829 ng/ul
RT: 26.870 min Scan# 5942
Delta R.T. -0.003 min
Lab File: BN020002.D
Acq: 31 May 2022 14:53

Tgt Ion:276 Resp: 32560

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 27.8 | 20.9 | 31.3 |
| 277 | 24.4 | 20.4 | 30.6 |