Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051822\
Data File : BN019837.D
Acq On : 18 May 2022 18:44
Operator : CG/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: May 19 03:19:54 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN042922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 17 01:41:05 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.855 | 152 | 3039 | 0.400 | ng/ul | 0.00 |
| 4) Naphthalene-d8 | 10.639 | 136 | 10085 | 0.400 | ng/ul | 0.00 |
| 9) Acenaphthene-d10 | 14.474 | 164 | 6445 | 0.400 | ng/ul | 0.00 |
| 13) Phenanthrene-d10 | 17.213 | 188 | 14115 | 0.400 | ng/ul | 0.00 |
| 17) Chrysene-d12 | 21.397 | 240 | 14583 | 0.400 | ng/ul | 0.00 |
| 23) Perylene-d12 | 23.732 | 264 | 14026 | 0.400 | ng/ul | #-0.01 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.319 | 96 | 1374 | 0.382 | ng/ul | 0.00 |
| 6) 2-Methylnaphthalene-d10 | 12.229 | 152 | 7141 | 0.468 | ng/ul | 0.00 |
| 18) Fluoranthene-d10 | 19.239 | 212 | 17399 | 0.377 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.353 | 88 | 1471 | 0.385 | ng/ul | 90 |
| 5) Naphthalene | 10.689 | 128 | 12587 | 0.385 | ng/ul | 99 |
| 7) 2-Methylnaphthalene | 12.306 | 142 | 8447 | 0.425 | ng/ul# | 100 |
| 8) 1-Methylnaphthalene | 12.520 | 142 | 8578 | 0.466 | ng/ul# | 100 |
| 10) Acenaphthylene | 14.192 | 152 | 13230 | 0.415 | ng/ul | 100 |
| 11) Acenaphthene | 14.539 | 153 | 9722 | 0.379 | ng/ul | 100 |
| 12) Fluorene | 15.520 | 166 | 11150 | 0.397 | ng/ul | 99 |
| 14) Pentachlorophenol | 16.867 | 266 | 1373 | 0.452 | ng/ul | 90 |
| 15) Phenanthrene | 17.255 | 178 | 19235 | 0.370 | ng/ul | 99 |
| 16) Anthracene | 17.344 | 178 | 17315 | 0.409 | ng/ul | 99 |
| 19) Fluoranthene | 19.271 | 202 | 22540 | 0.338 | ng/ul | 99 |
| 20) Pyrene | 19.634 | 202 | 23255 | 0.349 | ng/ul | 99 |
| 21) Benzo(a)anthracene | 21.379 | 228 | 21809 | 0.400 | ng/ul | 99 |
| 22) Chrysene | 21.432 | 228 | 22461 | 0.350 | ng/ul | 100 |
| 24) Benzo(b)fluoranthene | 23.025 | 252 | 22922 | 0.322 | ng/ul | 94 |
| 25) Benzo(k)fluoranthene | 23.071 | 252 | 22631 | 0.330 | ng/ul | 97 |
| 26) Benzo(a)pyrene | 23.630 | 252 | 22020 | 0.363 | ng/ul# | 80 |
| 27) Indeno(1,2,3-cd)pyrene | 26.141 | 276 | 22332 | 0.295 | ng/ul# | 93 |
| 28) Dibenzo(a,h)anthracene | 26.154 | 278 | 18336 | 0.290 | ng/ul# | 82 |
| 29) Benzo(g,h,i)perylene | 26.872 | 276 | 18447 | 0.267 | ng/ul | 97 |

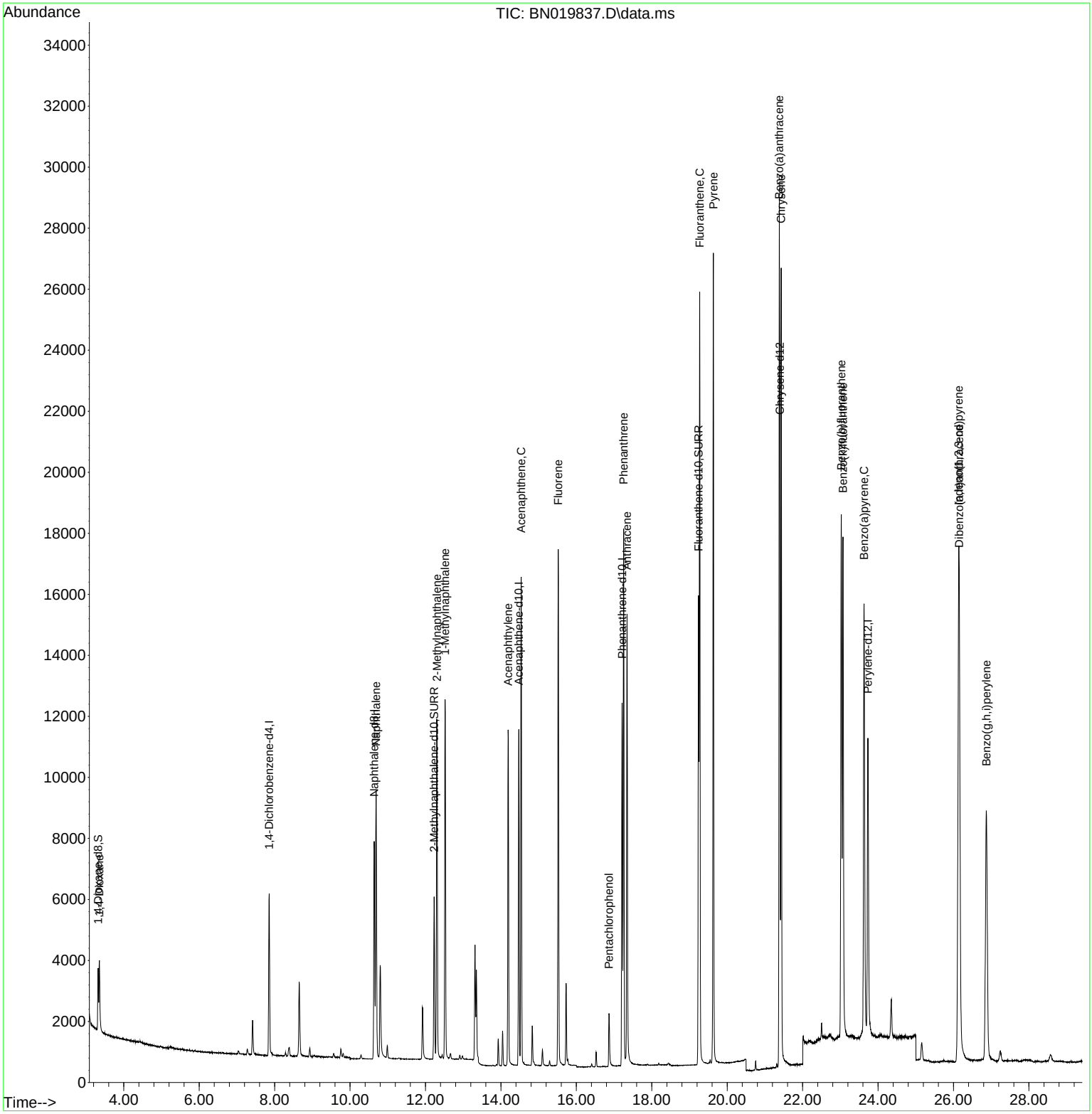
(#) = qualifier out of range (m) = manual integration (+) = signals summed

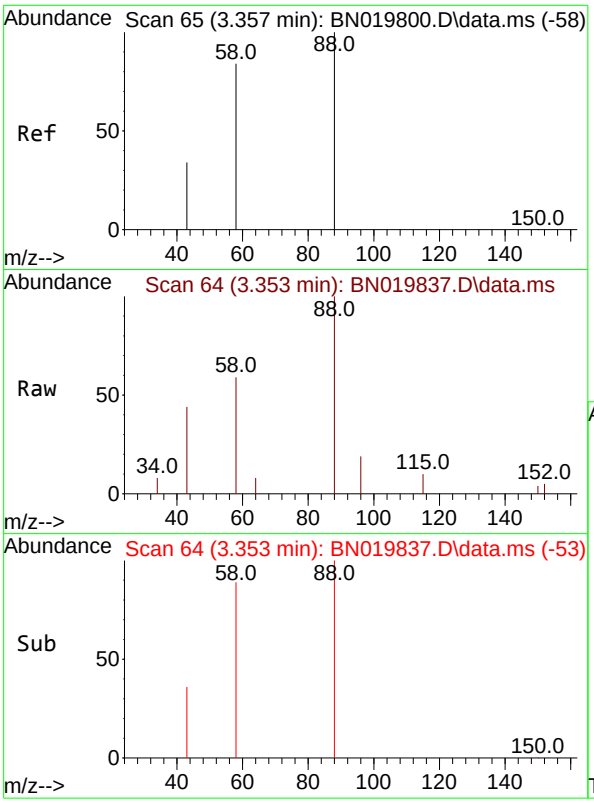
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051822\
Data File : BN019837.D
Acq On : 18 May 2022 18:44
Operator : CG/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: May 19 03:19:54 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN042922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 17 01:41:05 2022
Response via : Initial Calibration



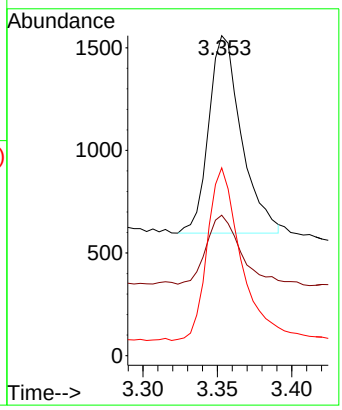


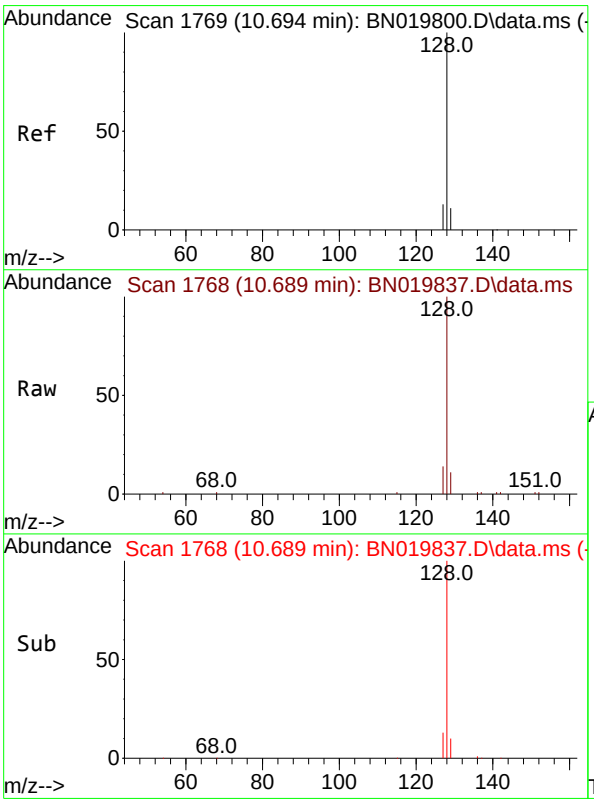

#2
1,4-Dioxane
Concen: 0.385 ng/ul
RT: 3.353 min Scan# 64
Delta R.T. -0.004 min
Lab File: BN019837.D
Acq: 18 May 2022 18:44

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

Tgt Ion: 88 Resp: 1471

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 43.9 | 39.0 | 58.4 |
| 58 | 58.7 | 39.8 | 59.8 |

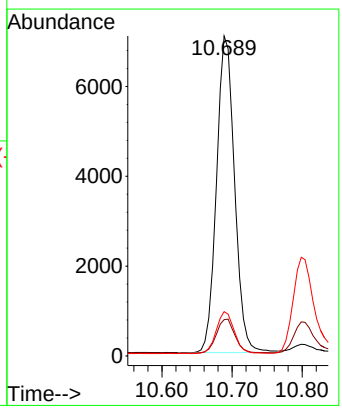


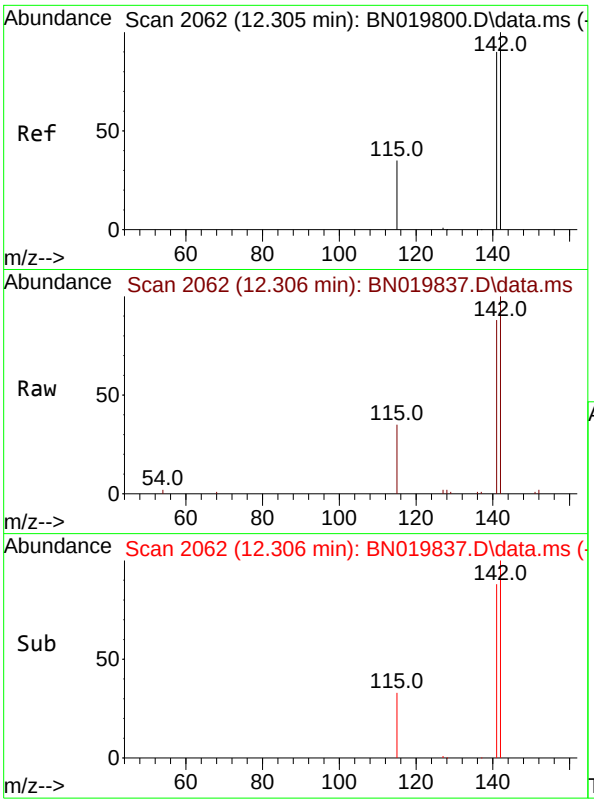




#5
Naphthalene
Concen: 0.385 ng/ul
RT: 10.689 min Scan# 1768
Delta R.T. -0.005 min
Lab File: BN019837.D
Acq: 18 May 2022 18:44

Tgt Ion:128 Resp: 12587

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.3 | 9.5 | 14.3 |
| 127 | 13.9 | 11.0 | 16.4 |



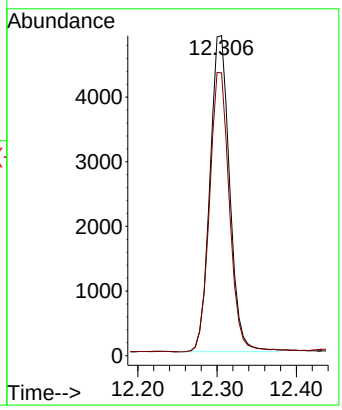


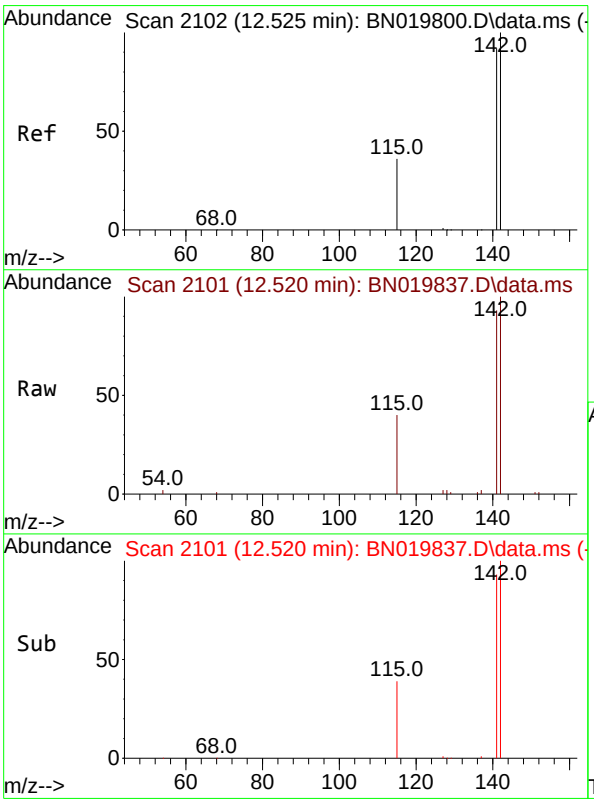

#7
2-Methylnaphthalene
Concen: 0.425 ng/ul
RT: 12.306 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN019837.D
Acq: 18 May 2022 18:44

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

Tgt Ion:142 Resp: 8447

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.0 | 0.0 | 0.0# |

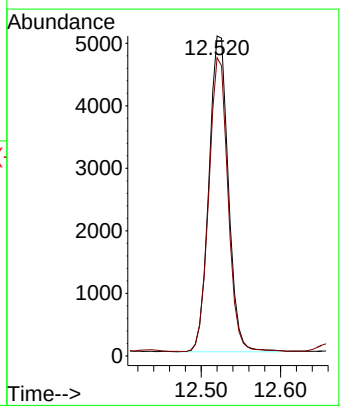


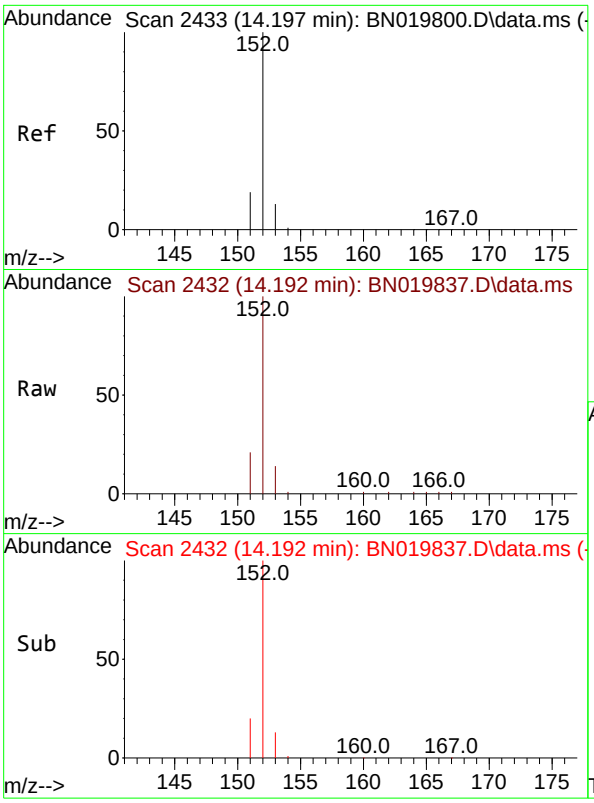




#8
1-Methylnaphthalene
Concen: 0.466 ng/ul
RT: 12.520 min Scan# 2101
Delta R.T. -0.005 min
Lab File: BN019837.D
Acq: 18 May 2022 18:44

Tgt Ion:142 Resp: 8578

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.6 | 0.0 | 0.0# |



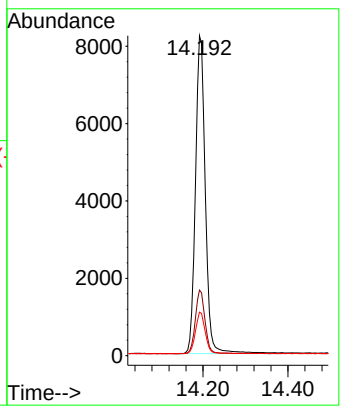


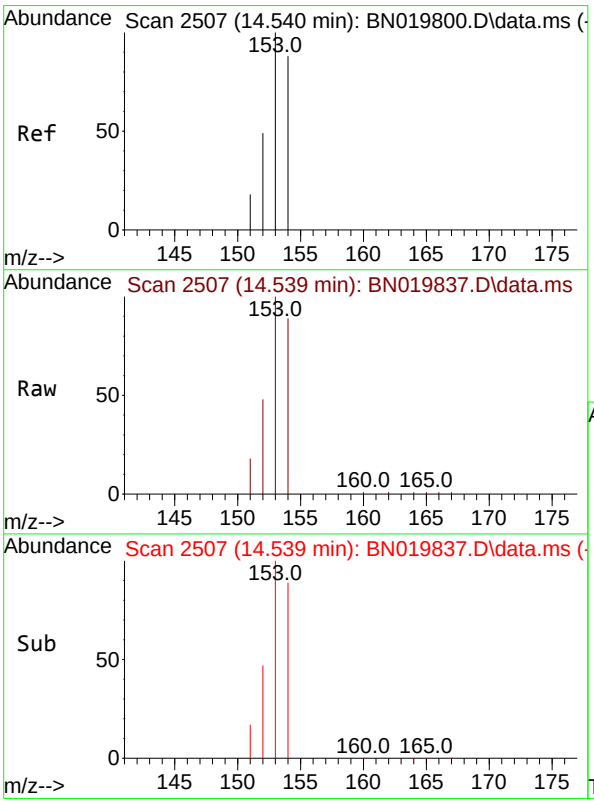

#10
Acenaphthylene
Concen: 0.415 ng/ul
RT: 14.192 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN019837.D
Acq: 18 May 2022 18:44

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

Tgt Ion:152 Resp: 13230

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.5 | 16.3 | 24.5 |
| 153 | 13.6 | 11.1 | 16.7 |

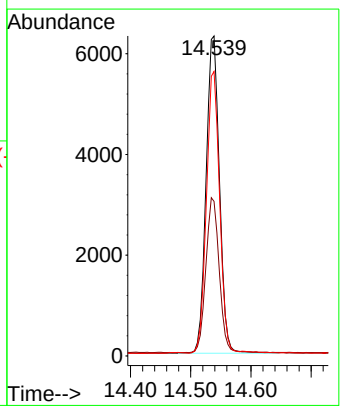


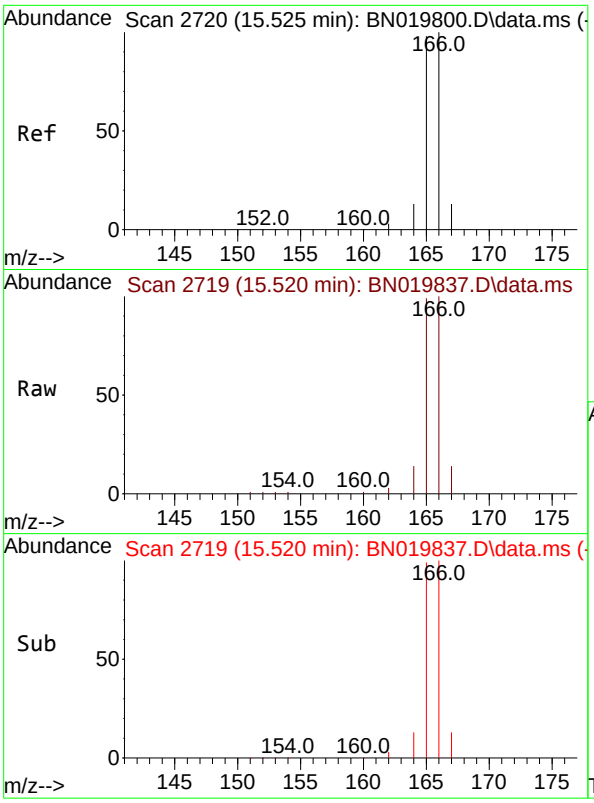




#11
Acenaphthene
Concen: 0.379 ng/ul
RT: 14.539 min Scan# 2507
Delta R.T. 0.000 min
Lab File: BN019837.D
Acq: 18 May 2022 18:44

Tgt Ion:153 Resp: 9722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 48.3 | 38.6 | 57.8 |
| 154 | 88.9 | 71.2 | 106.8 |



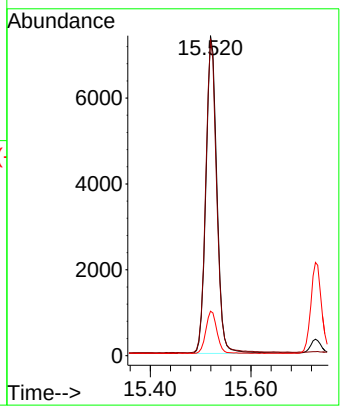


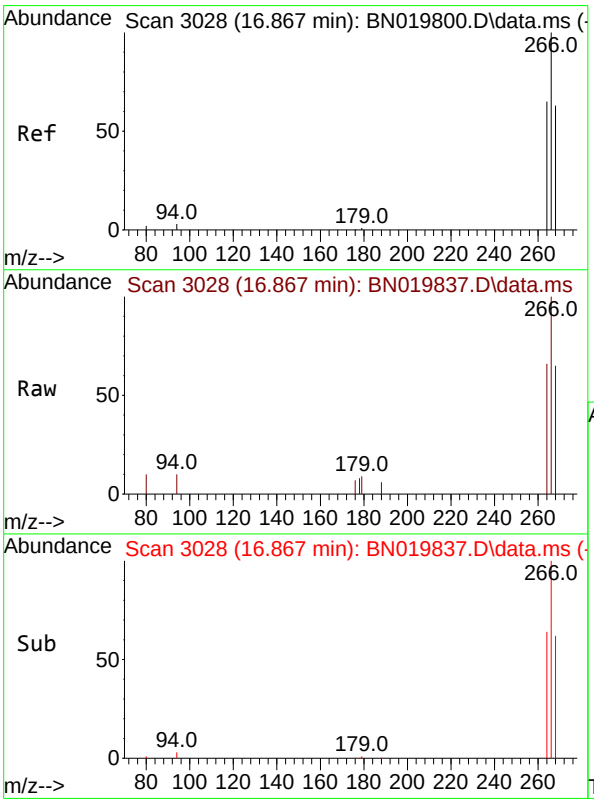

#12
Fluorene
Concen: 0.397 ng/ul
RT: 15.520 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN019837.D
Acq: 18 May 2022 18:44

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

Tgt Ion:166 Resp: 11150

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 99.0 | 78.2 | 117.2 |
| 167 | 13.9 | 11.3 | 16.9 |

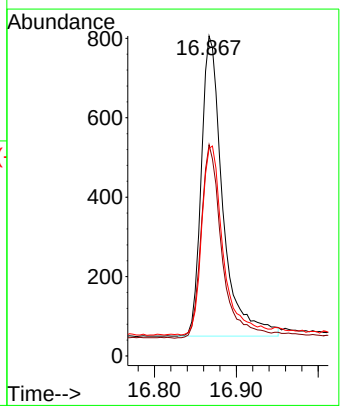


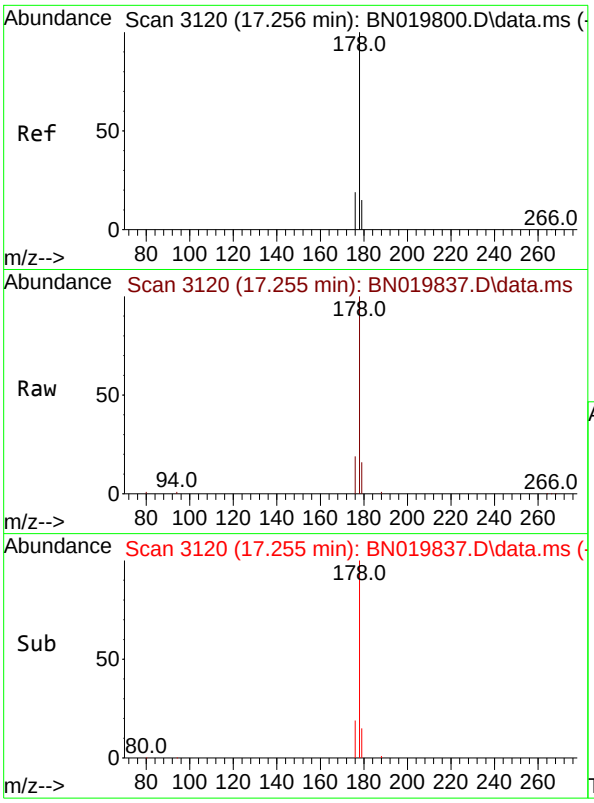




#14
Pentachlorophenol
Concen: 0.452 ng/ul
RT: 16.867 min Scan# 3028
Delta R.T. 0.000 min
Lab File: BN019837.D
Acq: 18 May 2022 18:44

Tgt Ion:266 Resp: 1373

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 63.1 | 44.9 | 67.3 |
| 268 | 63.5 | 44.6 | 67.0 |



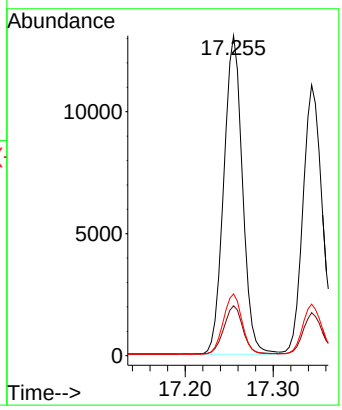


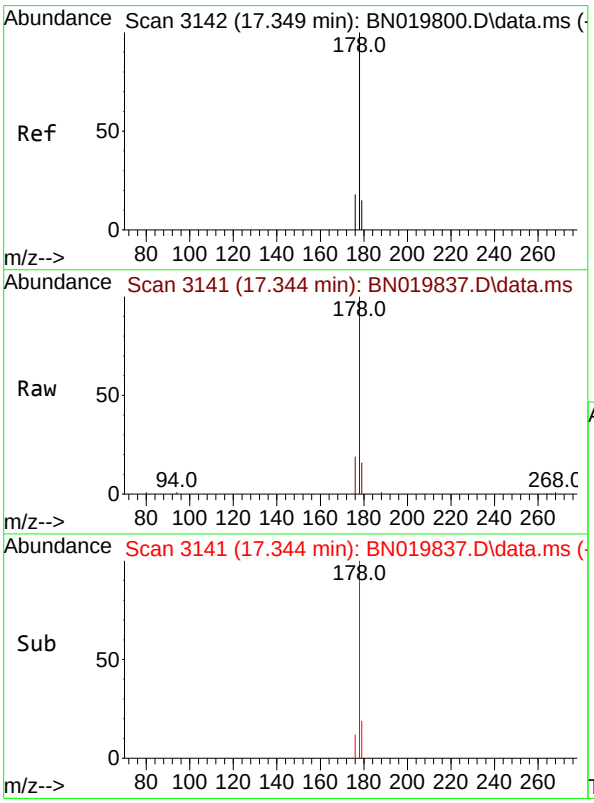

#15
Phenanthrene
Concen: 0.370 ng/ul
RT: 17.255 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN019837.D
Acq: 18 May 2022 18:44

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

Tgt Ion:178 Resp: 19235

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.6 | 12.9 | 19.3 |
| 176 | 19.3 | 15.5 | 23.3 |

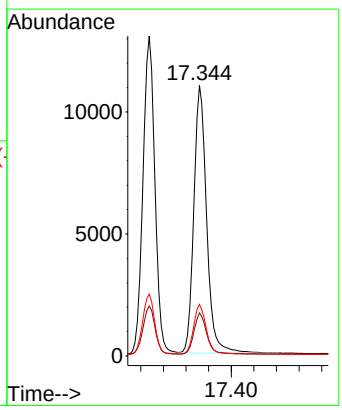


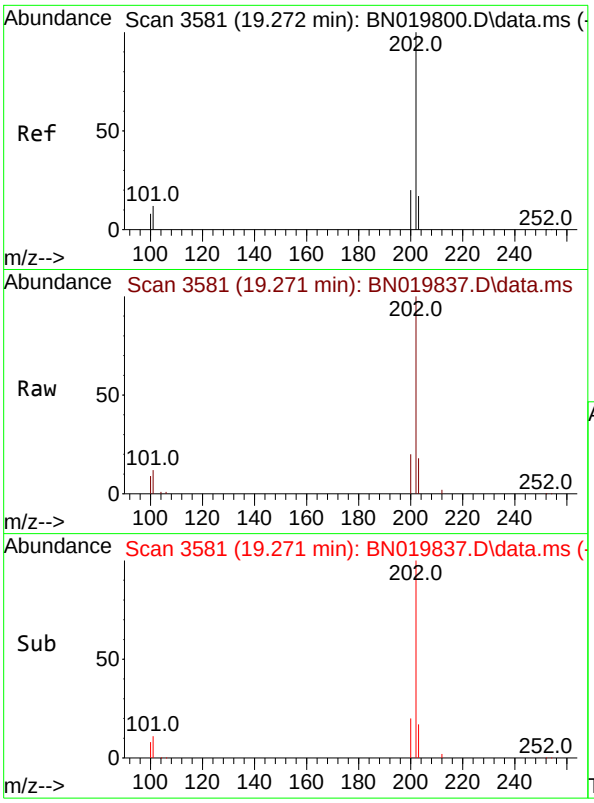




#16
Anthracene
Concen: 0.409 ng/ul
RT: 17.344 min Scan# 3141
Delta R.T. -0.004 min
Lab File: BN019837.D
Acq: 18 May 2022 18:44

Tgt Ion:178 Resp: 17315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.9 | 13.1 | 19.7 |
| 176 | 19.1 | 15.3 | 22.9 |



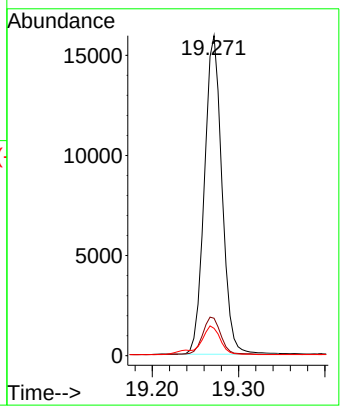


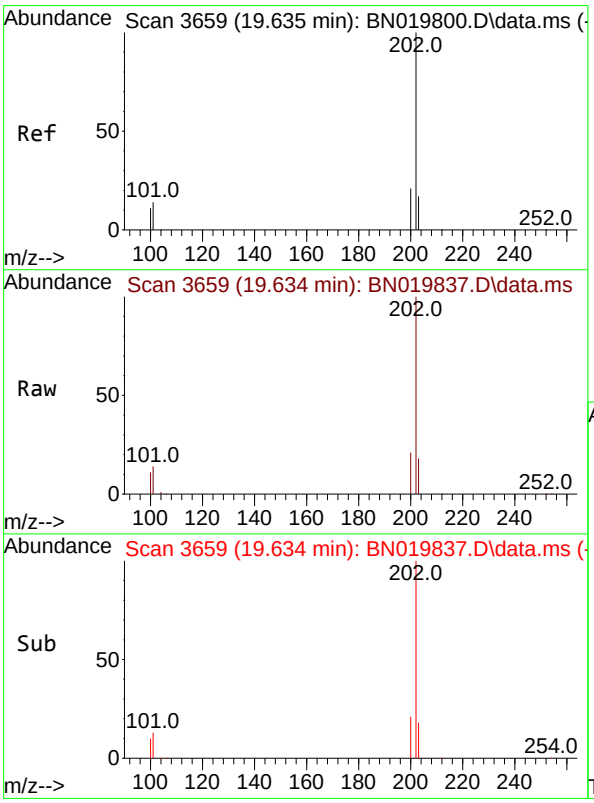

#19
Fluoranthene
Concen: 0.338 ng/ul
RT: 19.271 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN019837.D
Acq: 18 May 2022 18:44

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

Tgt Ion:202 Resp: 22540

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.7 | 9.7 | 14.5 |
| 100 | 8.6 | 7.4 | 11.2 |

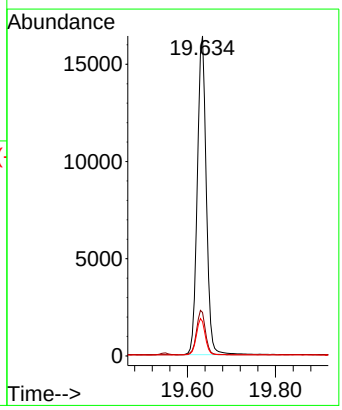


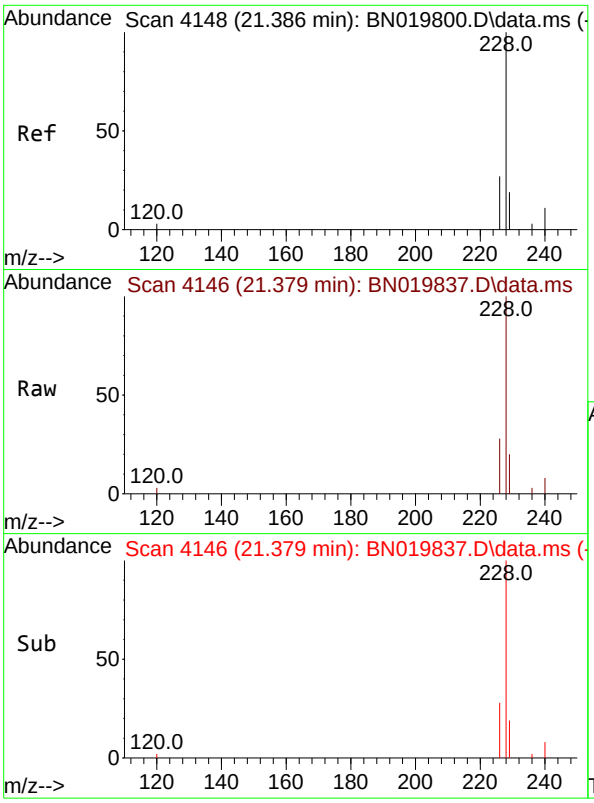




#20
Pyrene
Concen: 0.349 ng/ul
RT: 19.634 min Scan# 3659
Delta R.T. 0.000 min
Lab File: BN019837.D
Acq: 18 May 2022 18:44

Tgt Ion:202 Resp: 23255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.6 | 11.4 | 17.0 |
| 100 | 10.7 | 9.0 | 13.4 |



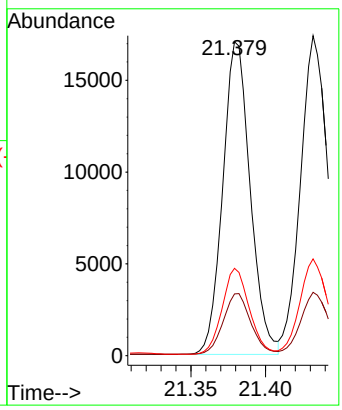


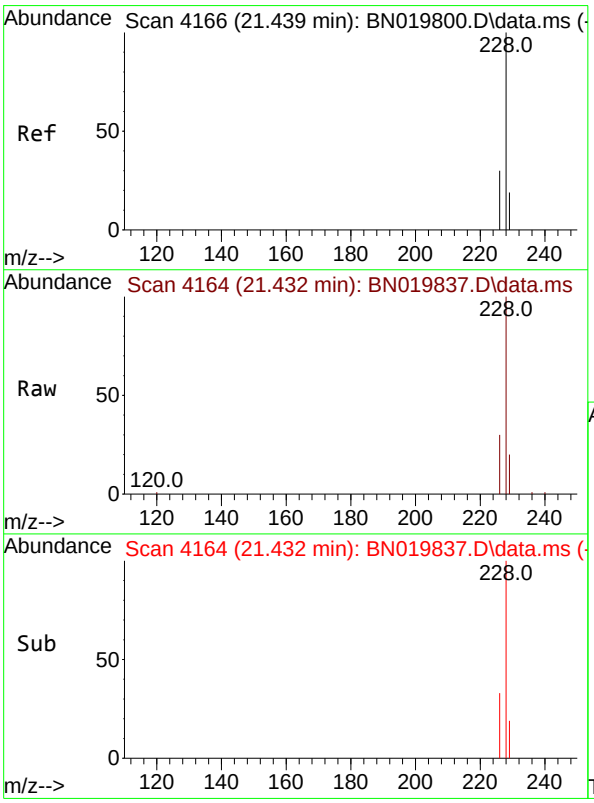

#21
Benzo(a)anthracene
Concen: 0.400 ng/ul
RT: 21.379 min Scan# 4
Delta R.T. -0.009 min
Lab File: BN019837.D
Acq: 18 May 2022 18:44

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

Tgt Ion:228 Resp: 21809

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 19.7 | 16.1 | 24.1 |
| 226 | 27.8 | 22.1 | 33.1 |

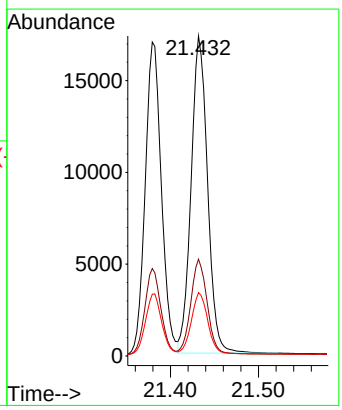


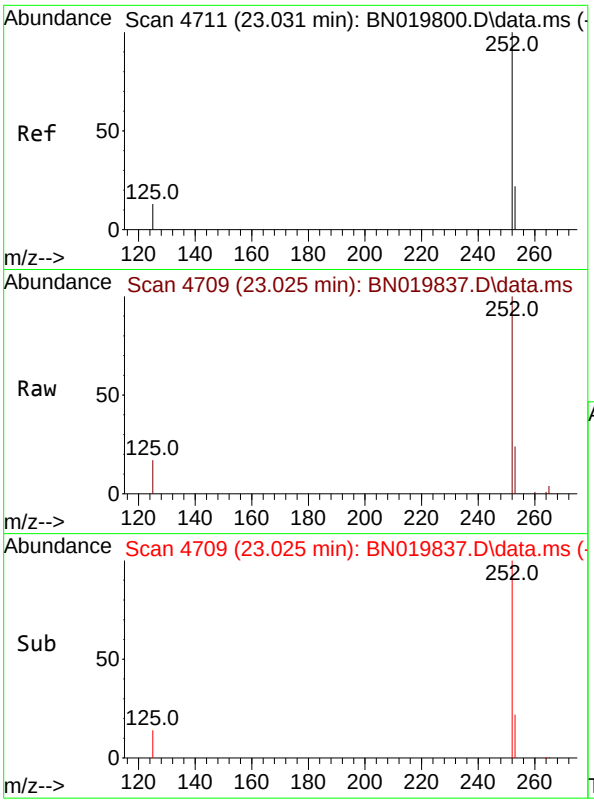




#22
Chrysene
Concen: 0.350 ng/ul
RT: 21.432 min Scan# 4164
Delta R.T. -0.009 min
Lab File: BN019837.D
Acq: 18 May 2022 18:44

Tgt Ion:228 Resp: 22461

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.3 | 24.2 | 36.2 |
| 229 | 19.8 | 16.0 | 24.0 |



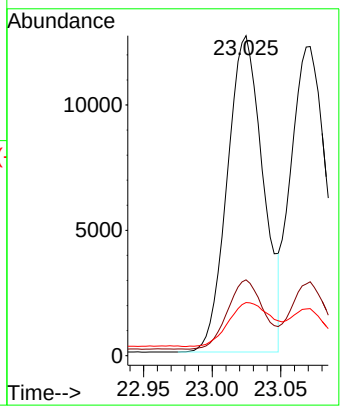


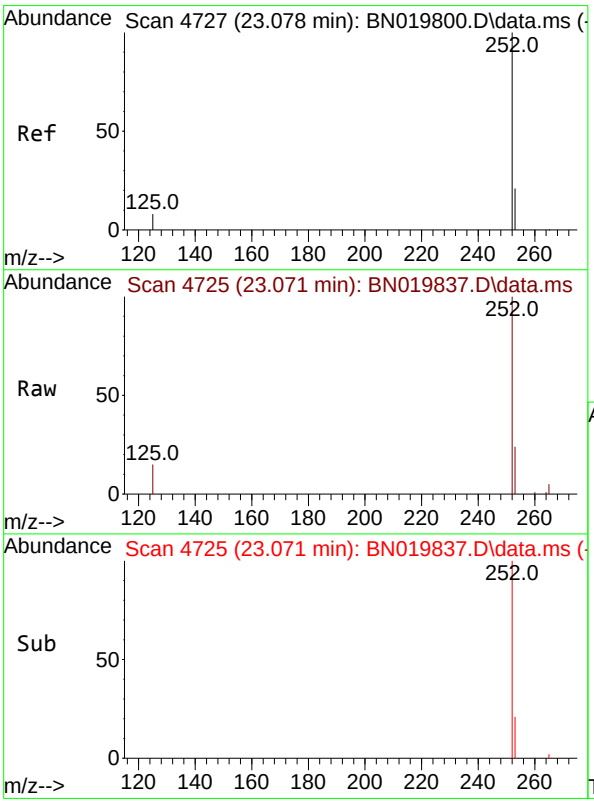

#24
Benzo(b)fluoranthene
Concen: 0.322 ng/ul
RT: 23.025 min Scan# 4
Delta R.T. -0.009 min
Lab File: BN019837.D
Acq: 18 May 2022 18:44

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

Tgt Ion:252 Resp: 22922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.7 | 0.0 | 52.0 |
| 125 | 16.6 | 0.0 | 40.2 |

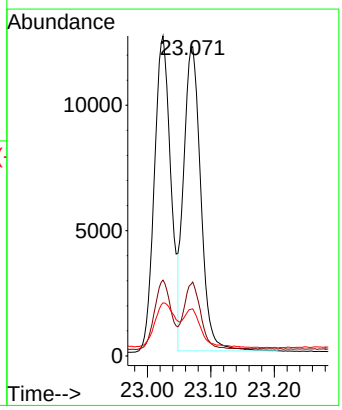


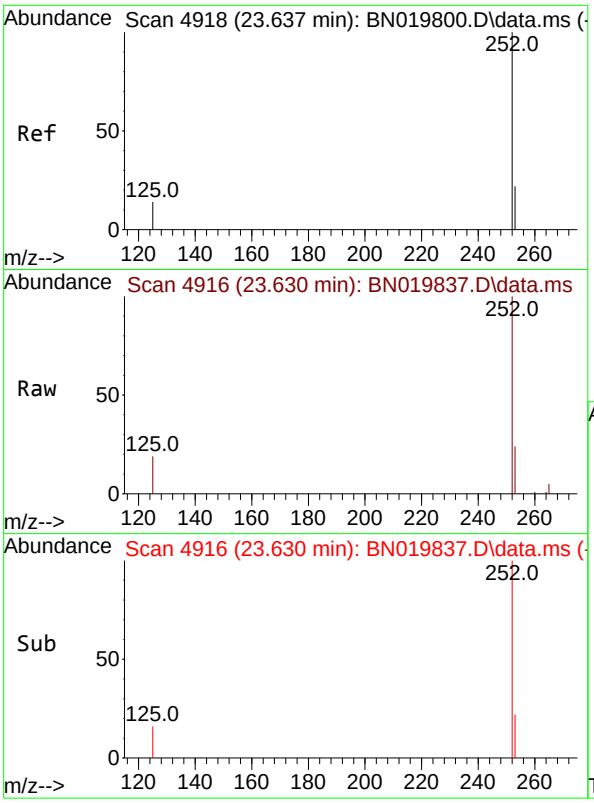




#25
Benzo(k)fluoranthene
Concen: 0.330 ng/ul
RT: 23.071 min Scan# 4725
Delta R.T. -0.009 min
Lab File: BN019837.D
Acq: 18 May 2022 18:44

Tgt Ion:252 Resp: 22631

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.9 | 20.2 | 30.2 |
| 125 | 15.2 | 11.0 | 16.6 |



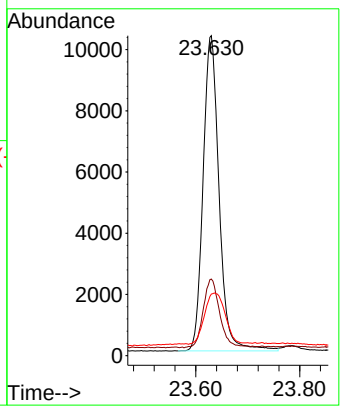


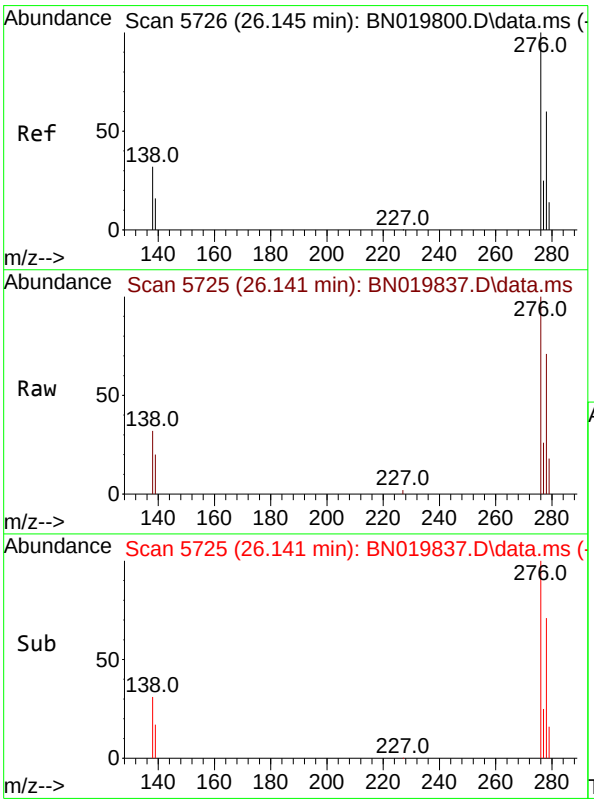

#26
Benzo(a)pyrene
Concen: 0.363 ng/ul
RT: 23.630 min Scan# 4
Delta R.T. -0.009 min
Lab File: BN019837.D
Acq: 18 May 2022 18:44

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

Tgt Ion:252 Resp: 22020

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.0 | 23.4 | 35.0 |
| 125 | 19.2 | 28.3 | 42.5# |

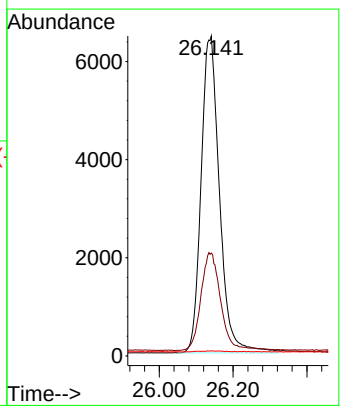


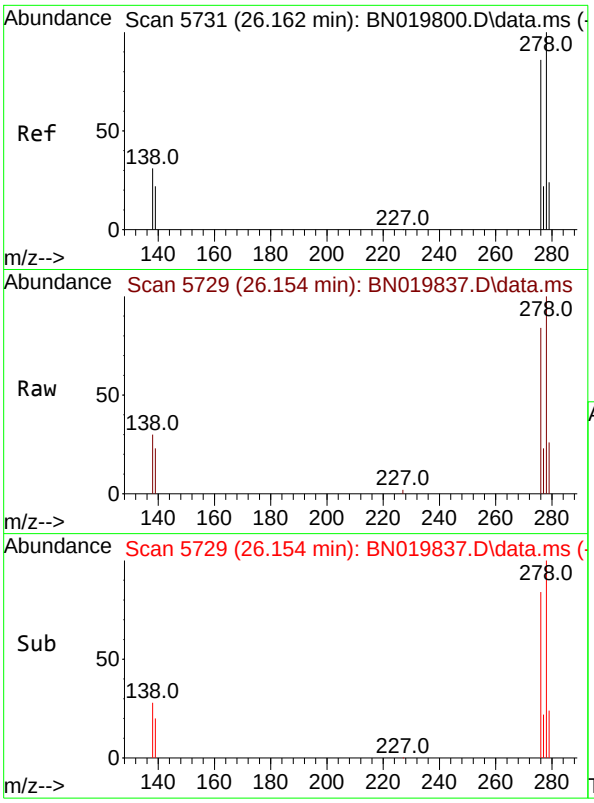




#27
Indeno(1,2,3-cd)pyrene
Concen: 0.295 ng/ul
RT: 26.141 min Scan# 5725
Delta R.T. -0.007 min
Lab File: BN019837.D
Acq: 18 May 2022 18:44

Tgt Ion:276 Resp: 22332

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 33.3 | 23.6 | 35.4 |
| 227 | 0.1 | 0.0 | 0.0# |



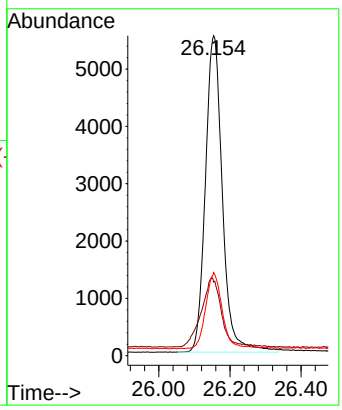


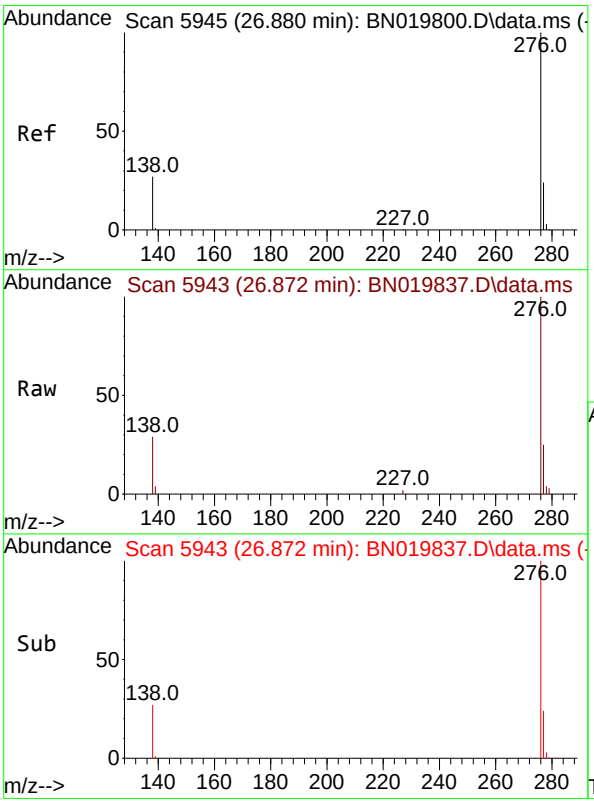

#28
Dibenzo(a,h)anthracene
Concen: 0.290 ng/ul
RT: 26.154 min Scan# 5
Delta R.T. -0.010 min
Lab File: BN019837.D
Acq: 18 May 2022 18:44

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

Tgt Ion:278 Resp: 18336

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 23.0 | 18.6 | 28.0 |
| 279 | 26.0 | 35.1 | 52.7# |




#29
Benzo(g,h,i)perylene
Concen: 0.267 ng/ul
RT: 26.872 min Scan# 5943
Delta R.T. -0.007 min
Lab File: BN019837.D
Acq: 18 May 2022 18:44

Tgt Ion:276 Resp: 18447

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 28.9 | 20.9 | 31.3 |
| 277 | 24.9 | 20.4 | 30.6 |