Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122721\
Data File : BN018206.D
Acq On : 27 Dec 2021 16:51
Operator : CG/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Dec 28 00:19:05 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN122721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 28 00:18:00 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.607 | 152 | 3506 | 0.400 | ng/ul | 0.00 |
| 4) Naphthalene-d8 | 10.381 | 136 | 11715 | 0.400 | ng/ul | 0.00 |
| 9) Acenaphthene-d10 | 14.243 | 164 | 9823 | 0.400 | ng/ul | 0.00 |
| 13) Phenanthrene-d10 | 16.986 | 188 | 20359 | 0.400 | ng/ul | 0.00 |
| 17) Chrysene-d12 | 21.184 | 240 | 21813 | 0.400 | ng/ul | 0.00 |
| 23) Perylene-d12 | 23.405 | 264 | 21591 | 0.400 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.067 | 96 | 1679 | 0.463 | ng/ul | 0.00 |
| 6) 2-Methylnaphthalene-d10 | 11.982 | 152 | 10208 | 0.633 | ng/ul | 0.00 |
| 18) Fluoranthene-d10 | 19.021 | 212 | 33422 | 0.565 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.101 | 88 | 1924 | 0.439 | ng/ul# | 78 |
| 5) Naphthalene | 10.431 | 128 | 17340 | 0.521 | ng/ul | 99 |
| 7) 2-Methylnaphthalene | 12.053 | 142 | 12766 | 0.596 | ng/ul | 100 |
| 8) 1-Methylnaphthalene | 12.279 | 142 | 12930 | 0.581 | ng/ul | 99 |
| 10) Acenaphthylene | 13.961 | 152 | 19917 | 0.512 | ng/ul | 99 |
| 11) Acenaphthene | 14.308 | 153 | 15538 | 0.454 | ng/ul | 99 |
| 12) Fluorene | 15.298 | 166 | 19838 | 0.500 | ng/ul | 99 |
| 14) Pentachlorophenol | 16.648 | 266 | 4705 | 1.230 | ng/ul | 100 |
| 15) Phenanthrene | 17.028 | 178 | 33655 | 0.506 | ng/ul | 100 |
| 16) Anthracene | 17.121 | 178 | 31428 | 0.584 | ng/ul | 99 |
| 19) Fluoranthene | 19.054 | 202 | 44189 | 0.528 | ng/ul | 99 |
| 20) Pyrene | 19.416 | 202 | 46095 | 0.526 | ng/ul | 98 |
| 21) Benzo(a)anthracene | 21.167 | 228 | 43021 | 0.593 | ng/ul | 100 |
| 22) Chrysene | 21.219 | 228 | 46076 | 0.518 | ng/ul | 100 |
| 24) Benzo(b)fluoranthene | 22.739 | 252 | 45768 | 0.554 | ng/ul | 99 |
| 25) Benzo(k)fluoranthene | 22.780 | 252 | 51267 | 0.498 | ng/ul | 100 |
| 26) Benzo(a)pyrene | 23.306 | 252 | 43129 | 0.551 | ng/ul | 100 |
| 27) Indeno(1,2,3-cd)pyrene | 25.662 | 276 | 55330 | 0.536 | ng/ul | 100 |
| 28) Dibenzo(a,h)anthracene | 25.679 | 278 | 43211 | 0.553 | ng/ul | 100 |
| 29) Benzo(g,h,i)perylene | 26.346 | 276 | 48181 | 0.566 | ng/ul | 100 |

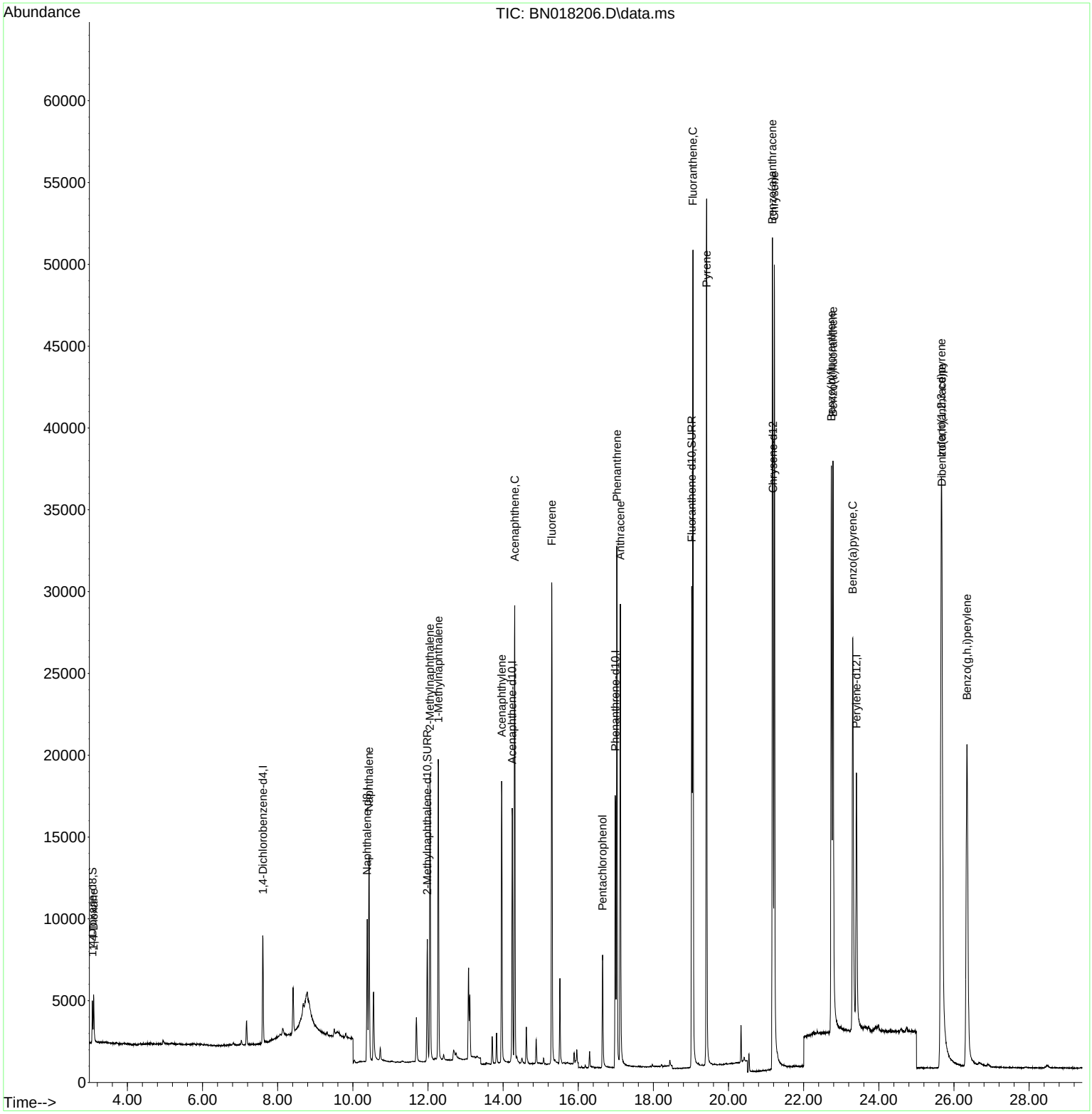
(#) = qualifier out of range (m) = manual integration (+) = signals summed

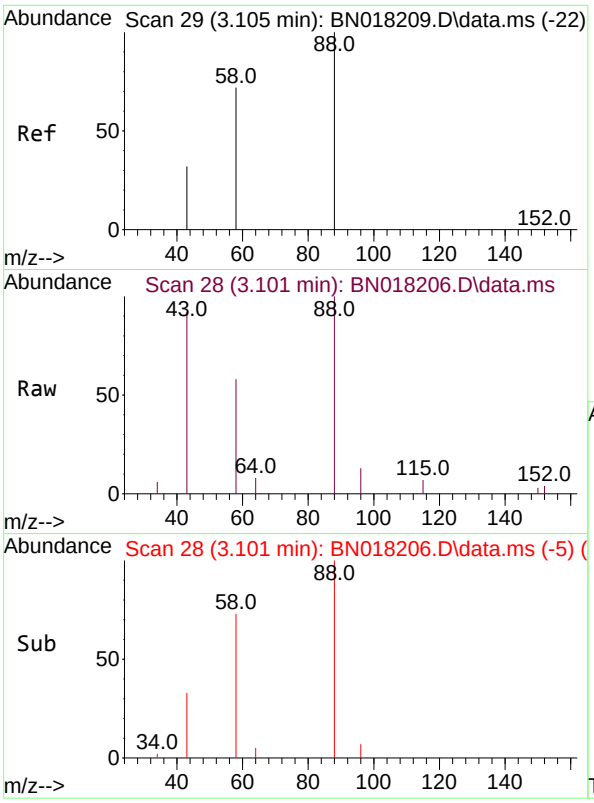
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122721\
Data File : BN018206.D
Acq On : 27 Dec 2021 16:51
Operator : CG/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Dec 28 00:19:05 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN122721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 28 00:18:00 2021
Response via : Initial Calibration



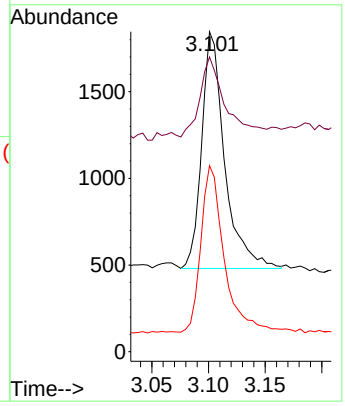


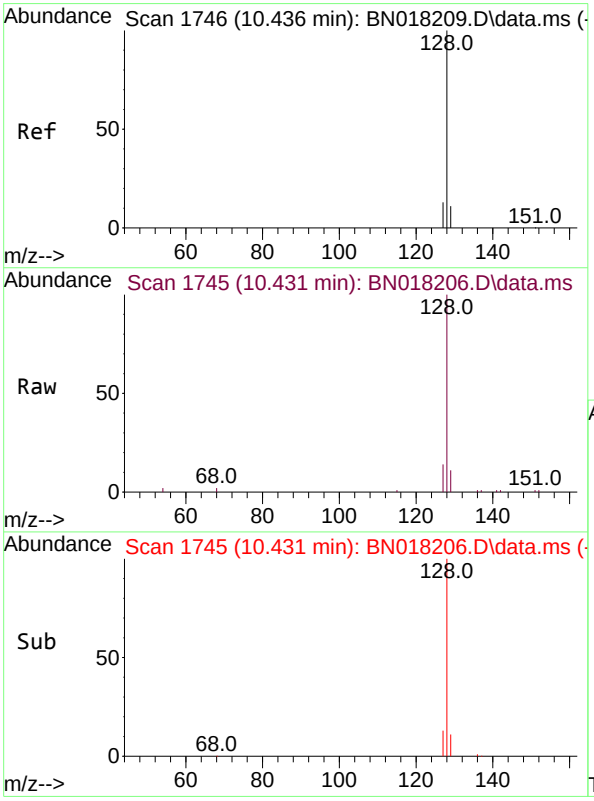

#2
1,4-Dioxane
Concen: 0.439 ng/ul
RT: 3.101 min Scan# 2
Delta R.T. -0.004 min
Lab File: BN018206.D
Acq: 27 Dec 2021 16:51

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

Tgt Ion: 88 Resp: 1924

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 92.1 | 47.8 | 71.8# |
| 58 | 58.2 | 46.2 | 69.2 |

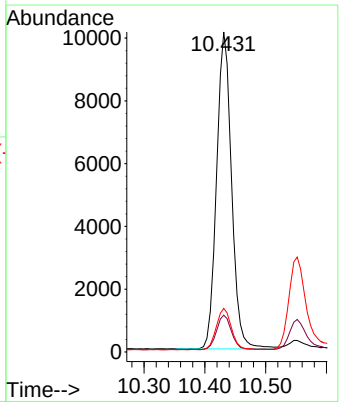


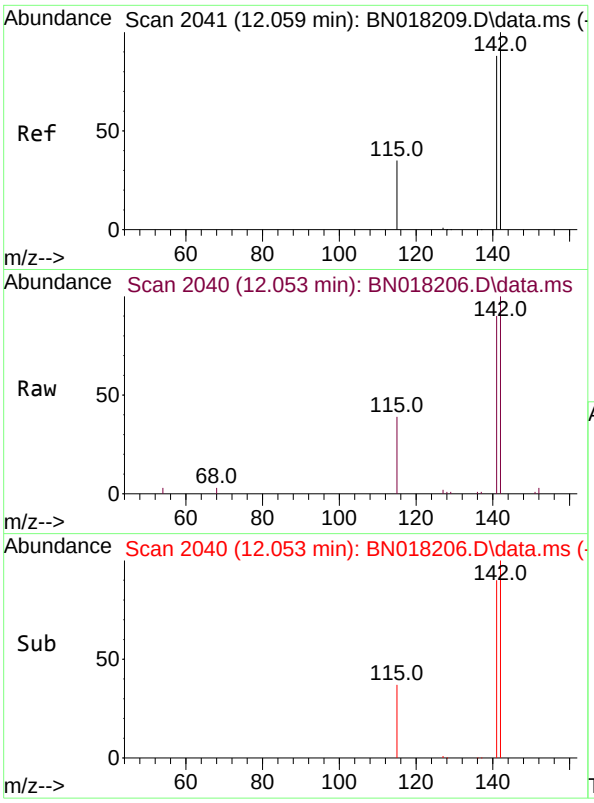




#5
Naphthalene
Concen: 0.521 ng/ul
RT: 10.431 min Scan# 1745
Delta R.T. -0.005 min
Lab File: BN018206.D
Acq: 27 Dec 2021 16:51

Tgt Ion:128 Resp: 17340

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.5 | 9.4 | 14.0 |
| 127 | 13.6 | 11.0 | 16.6 |



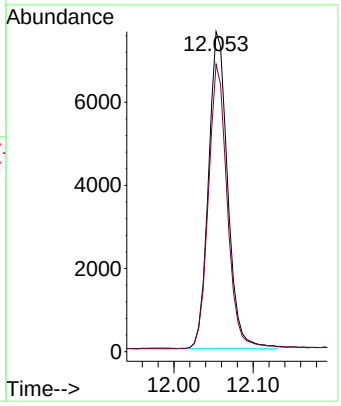


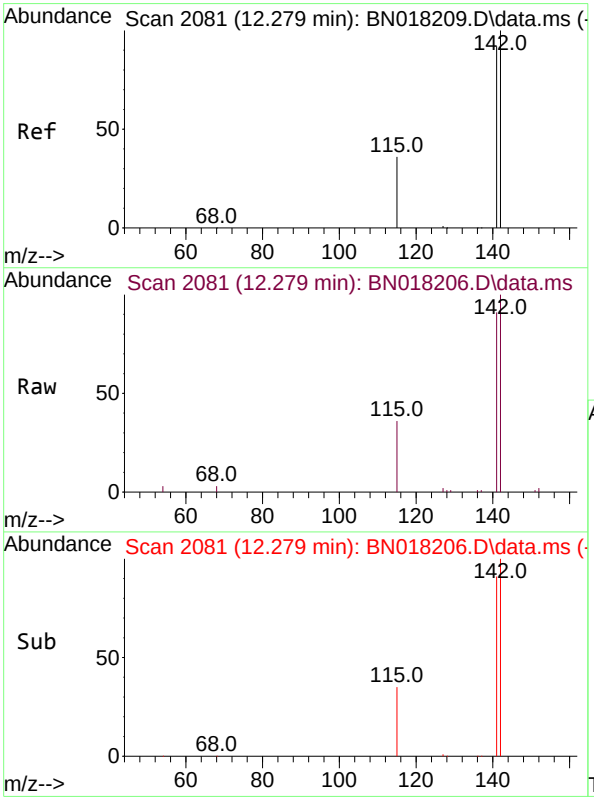

#7
2-Methylnaphthalene
Concen: 0.596 ng/ul
RT: 12.053 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN018206.D
Acq: 27 Dec 2021 16:51

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

Tgt Ion:142 Resp: 12766

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.7 | 70.9 | 106.3 |

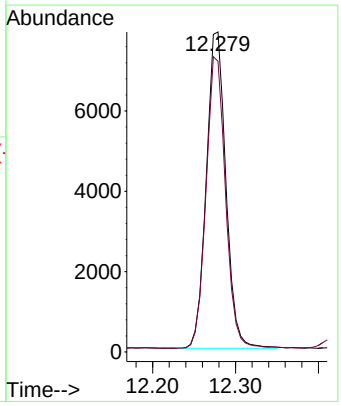


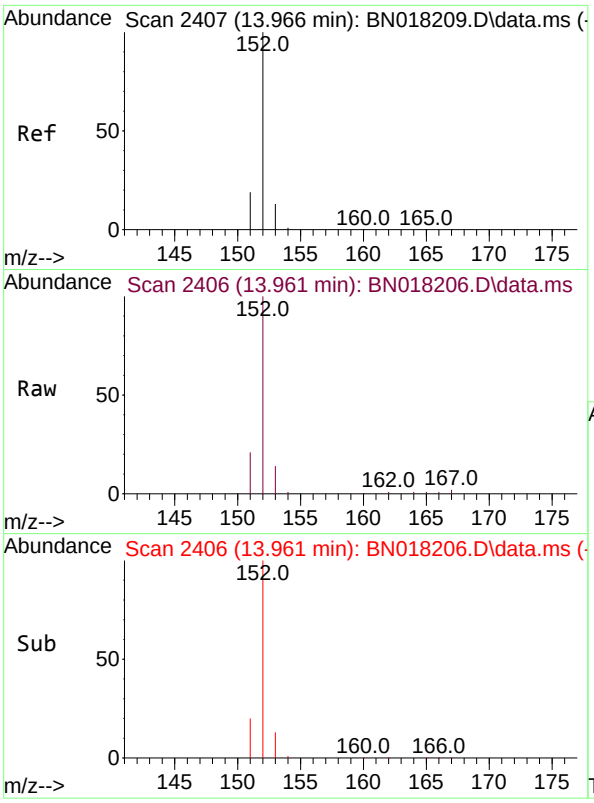




#8
1-Methylnaphthalene
Concen: 0.581 ng/ul
RT: 12.279 min Scan# 2081
Delta R.T. 0.000 min
Lab File: BN018206.D
Acq: 27 Dec 2021 16:51

Tgt Ion:142 Resp: 12930

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.0 | 73.2 | 109.8 |



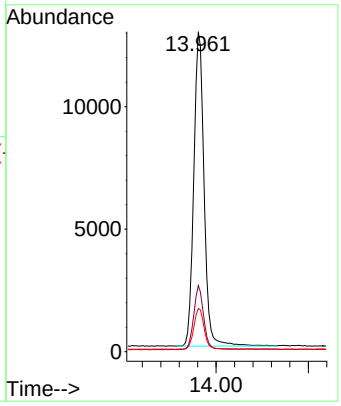


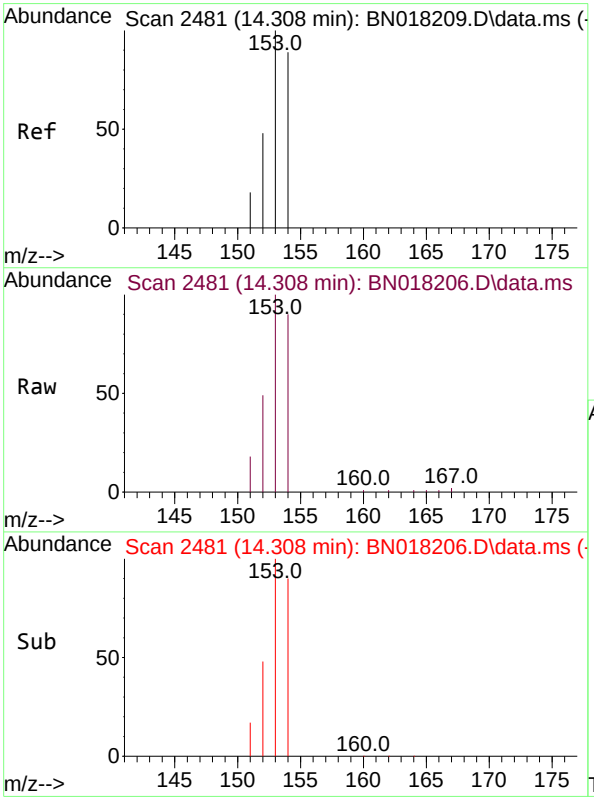

#10
Acenaphthylene
Concen: 0.512 ng/ul
RT: 13.961 min Scan# 24
Delta R.T. -0.005 min
Lab File: BN018206.D
Acq: 27 Dec 2021 16:51

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

Tgt Ion:152 Resp: 19917

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.6 | 15.8 | 23.8 |
| 153 | 13.5 | 10.7 | 16.1 |

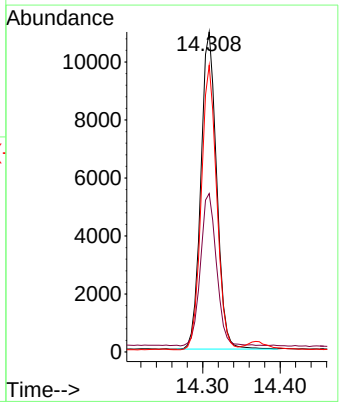


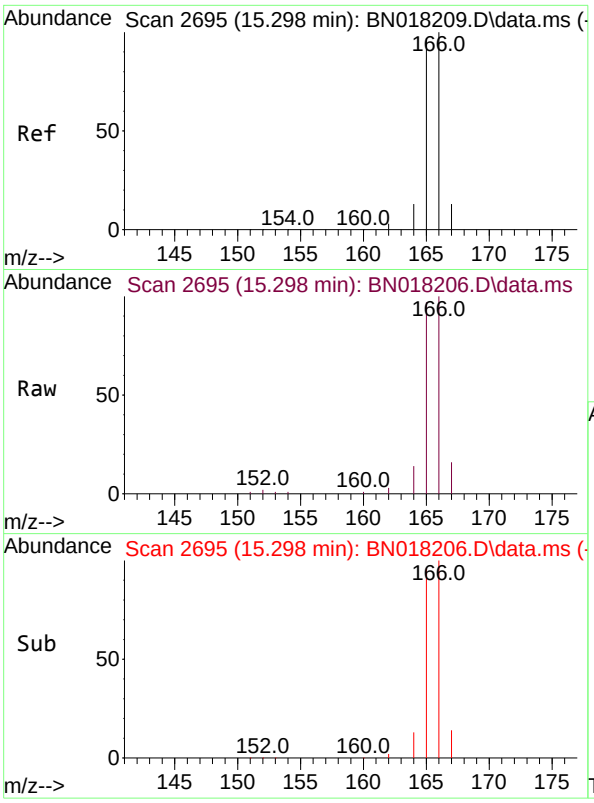




#11
Acenaphthene
Concen: 0.454 ng/ul
RT: 14.308 min Scan# 2481
Delta R.T. 0.000 min
Lab File: BN018206.D
Acq: 27 Dec 2021 16:51

Tgt Ion:153 Resp: 15538

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 49.5 | 39.7 | 59.5 |
| 154 | 89.6 | 70.9 | 106.3 |



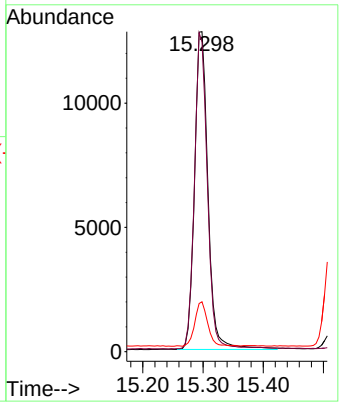


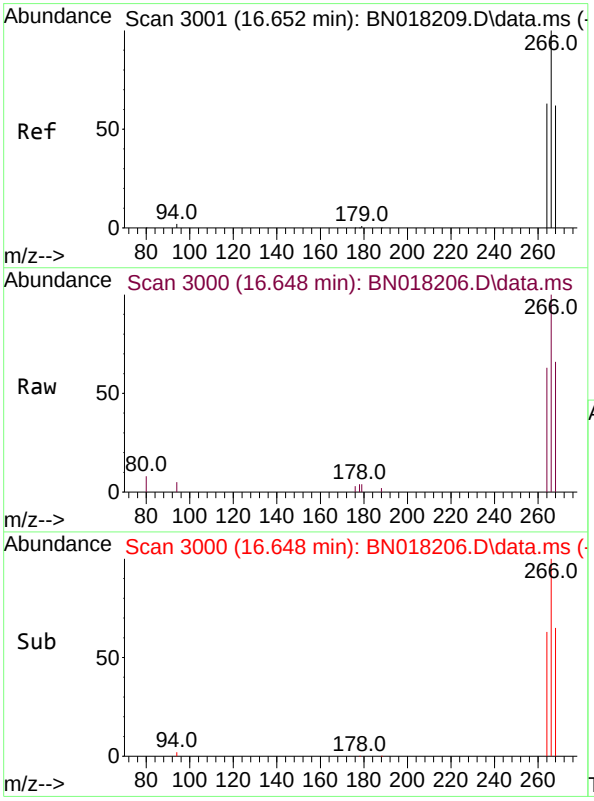

#12
Fluorene
Concen: 0.500 ng/ul
RT: 15.298 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN018206.D
Acq: 27 Dec 2021 16:51

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

Tgt Ion:166 Resp: 19838

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 96.7 | 77.8 | 116.6 |
| 167 | 15.6 | 11.6 | 17.4 |

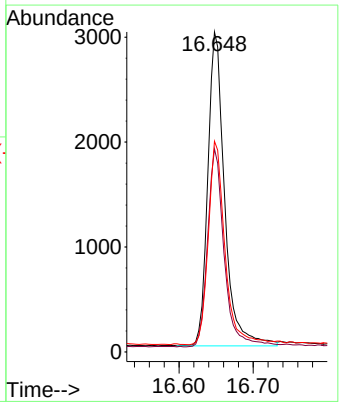


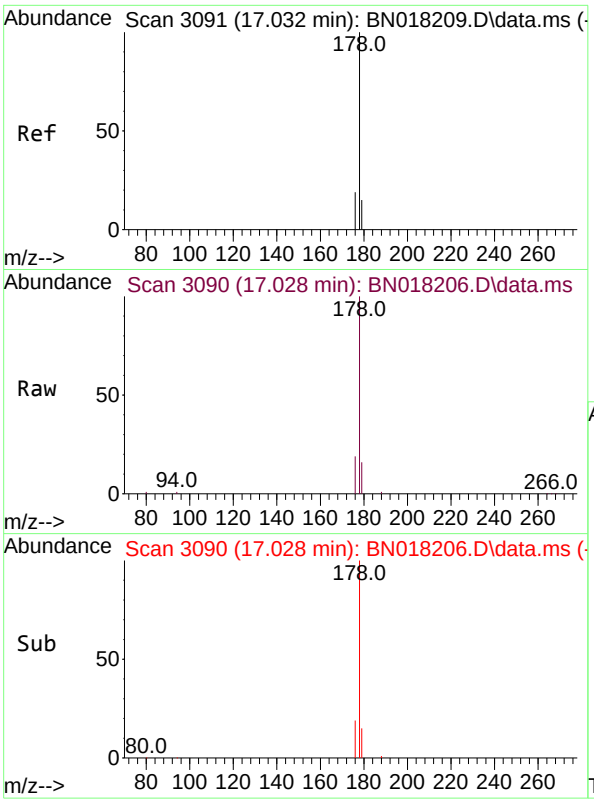




#14
Pentachlorophenol
Concen: 1.230 ng/ul
RT: 16.648 min Scan# 3000
Delta R.T. -0.004 min
Lab File: BN018206.D
Acq: 27 Dec 2021 16:51

Tgt Ion:266 Resp: 4705

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 62.6 | 49.9 | 74.9 |
| 268 | 64.4 | 51.7 | 77.5 |



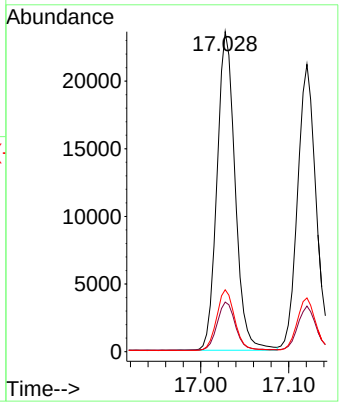


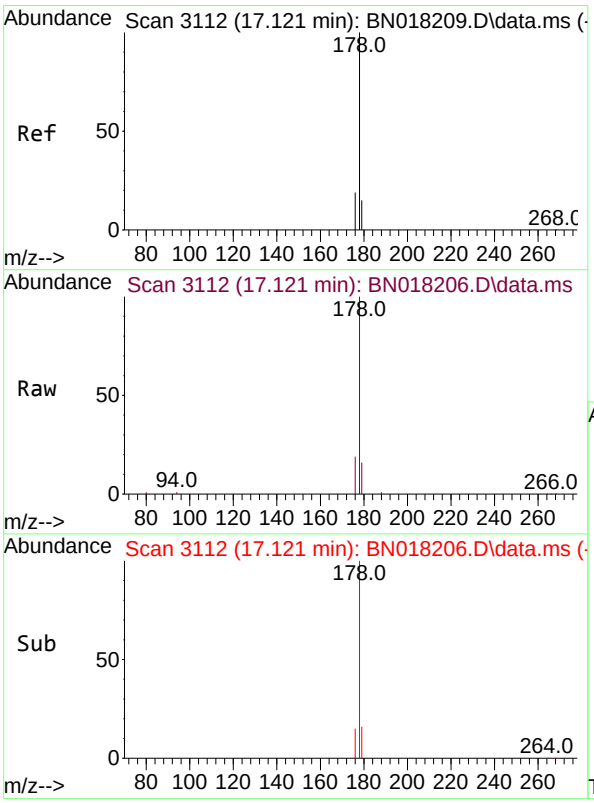

#15
Phenanthrene
Concen: 0.506 ng/ul
RT: 17.028 min Scan# 3
Delta R.T. -0.004 min
Lab File: BN018206.D
Acq: 27 Dec 2021 16:51

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

Tgt Ion:178 Resp: 33655

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.5 | 12.2 | 18.4 |
| 176 | 19.4 | 15.4 | 23.2 |

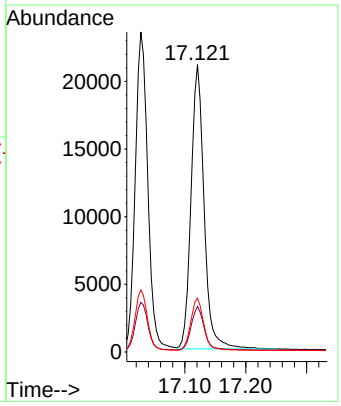


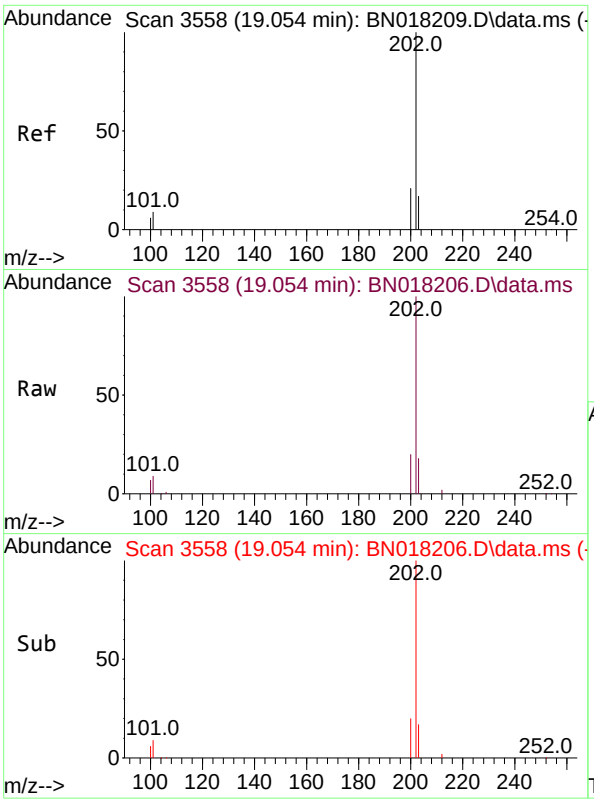




#16
Anthracene
Concen: 0.584 ng/ul
RT: 17.121 min Scan# 3112
Delta R.T. 0.000 min
Lab File: BN018206.D
Acq: 27 Dec 2021 16:51

Tgt Ion:178 Resp: 31428

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.9 | 12.3 | 18.5 |
| 176 | 18.7 | 15.5 | 23.3 |



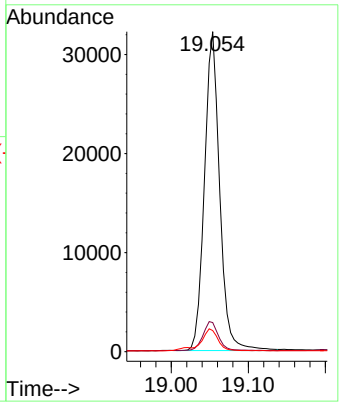


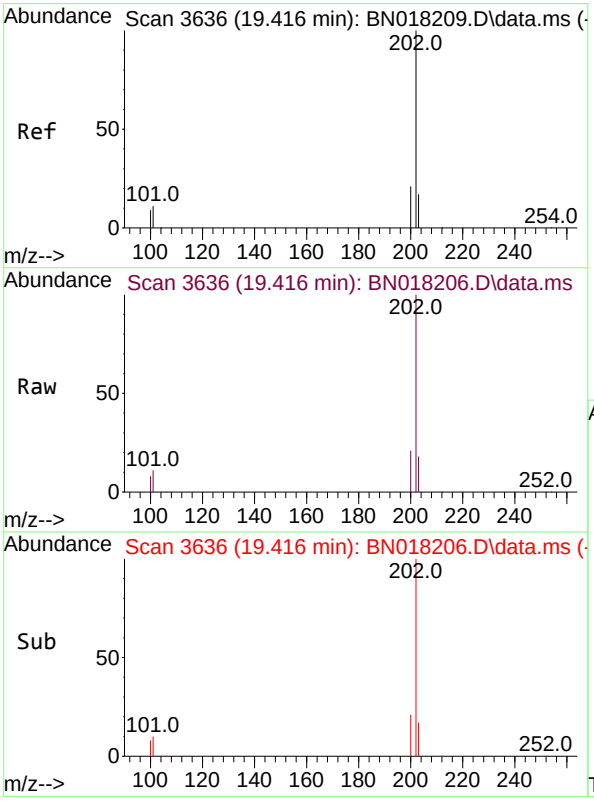

#19
Fluoranthene
Concen: 0.528 ng/ul
RT: 19.054 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN018206.D
Acq: 27 Dec 2021 16:51

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

Tgt Ion:202 Resp: 44189

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.1 | 7.5 | 11.3 |
| 100 | 6.6 | 5.4 | 8.2 |

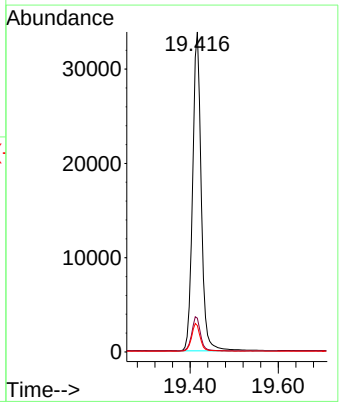


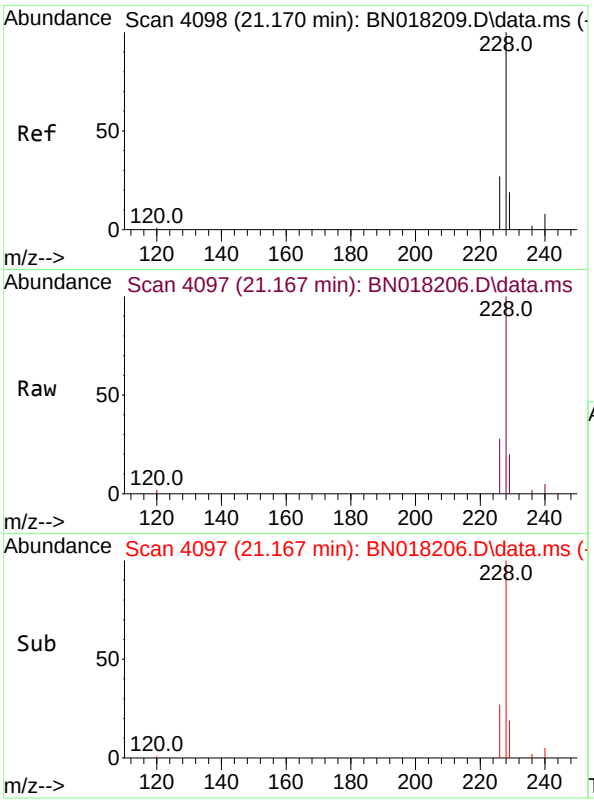




#20
Pyrene
Concen: 0.526 ng/ul
RT: 19.416 min Scan# 3636
Delta R.T. 0.000 min
Lab File: BN018206.D
Acq: 27 Dec 2021 16:51

Tgt Ion:202 Resp: 46095

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.6 | 9.0 | 13.4 |
| 100 | 8.2 | 7.0 | 10.4 |



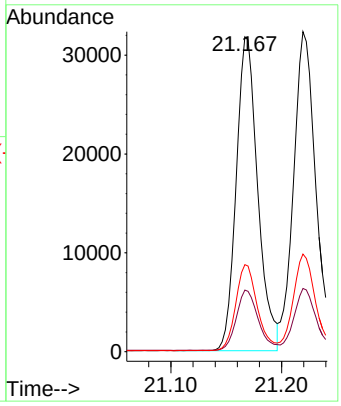


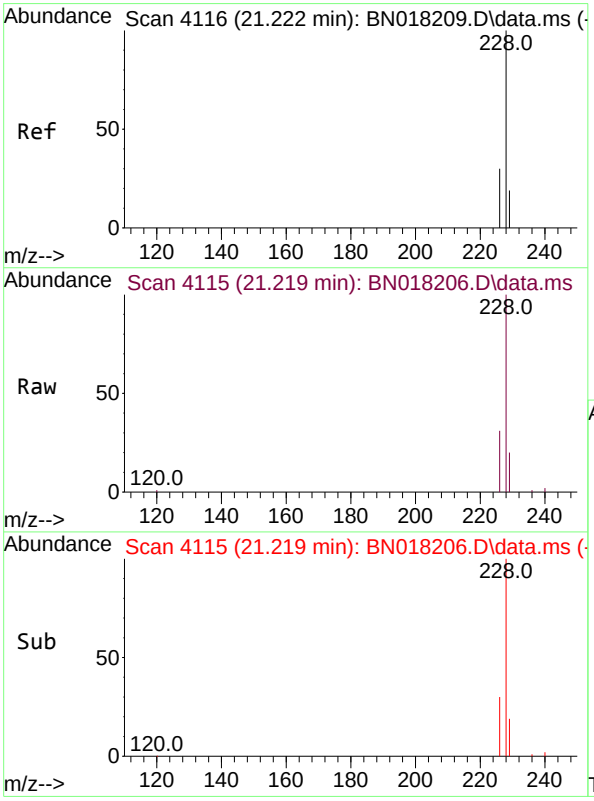

#21
Benzo(a)anthracene
Concen: 0.593 ng/ul
RT: 21.167 min Scan# 4
Delta R.T. -0.003 min
Lab File: BN018206.D
Acq: 27 Dec 2021 16:51

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

Tgt Ion:228 Resp: 43021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 19.5 | 15.6 | 23.4 |
| 226 | 27.6 | 22.1 | 33.1 |

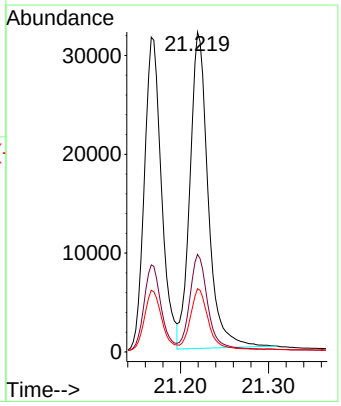


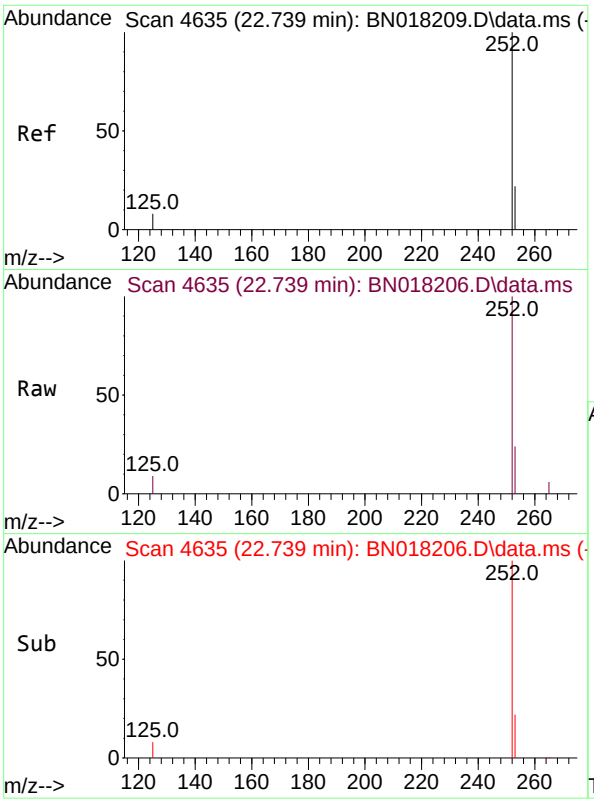




#22
Chrysene
Concen: 0.518 ng/ul
RT: 21.219 min Scan# 4115
Delta R.T. -0.003 min
Lab File: BN018206.D
Acq: 27 Dec 2021 16:51

Tgt Ion:228 Resp: 46076

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.5 | 24.2 | 36.4 |
| 229 | 19.8 | 15.7 | 23.5 |



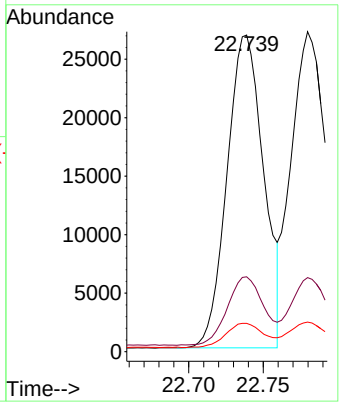


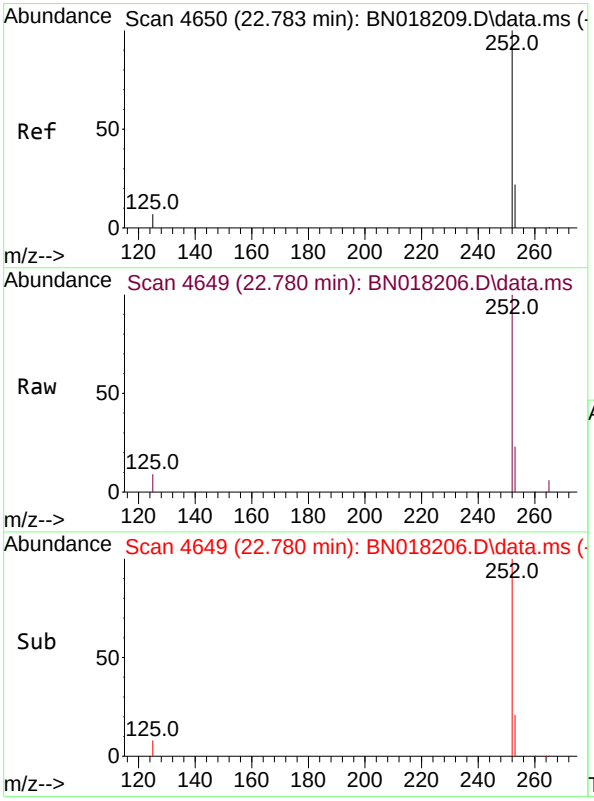

#24
Benzo(b)fluoranthene
Concen: 0.554 ng/ul
RT: 22.739 min Scan# 4
Delta R.T. 0.000 min
Lab File: BN018206.D
Acq: 27 Dec 2021 16:51

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

Tgt Ion:252 Resp: 45768

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.7 | 0.0 | 46.4 |
| 125 | 9.0 | 0.0 | 17.8 |

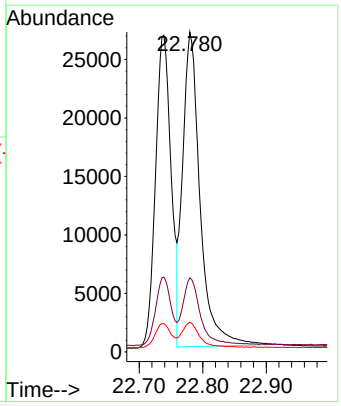


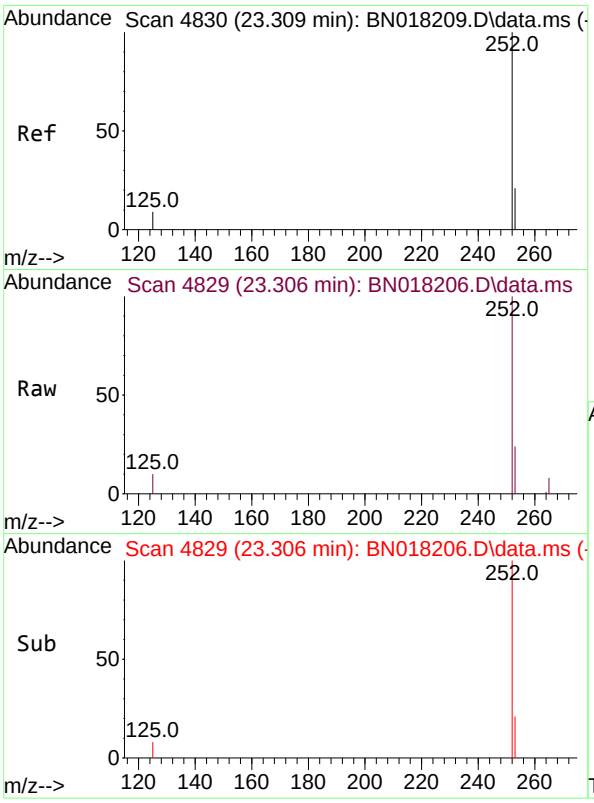




#25
Benzo(k)fluoranthene
Concen: 0.498 ng/ul
RT: 22.780 min Scan# 4649
Delta R.T. -0.003 min
Lab File: BN018206.D
Acq: 27 Dec 2021 16:51

Tgt Ion:252 Resp: 51267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.1 | 18.6 | 28.0 |
| 125 | 9.2 | 7.3 | 10.9 |



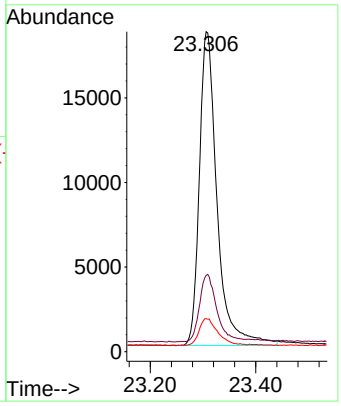


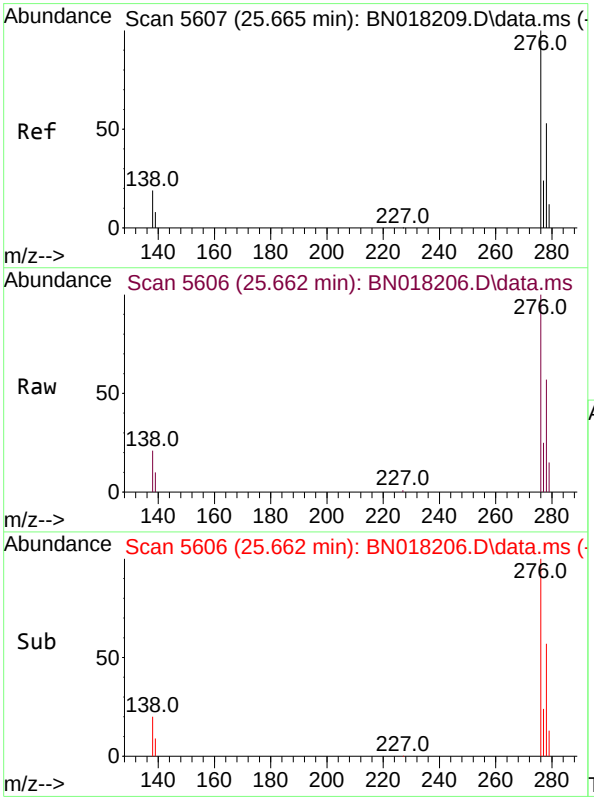

#26
Benzo(a)pyrene
Concen: 0.551 ng/ul
RT: 23.306 min Scan# 4
Delta R.T. -0.003 min
Lab File: BN018206.D
Acq: 27 Dec 2021 16:51

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

Tgt Ion:252 Resp: 43129

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.8 | 18.9 | 28.3 |
| 125 | 10.3 | 8.2 | 12.2 |

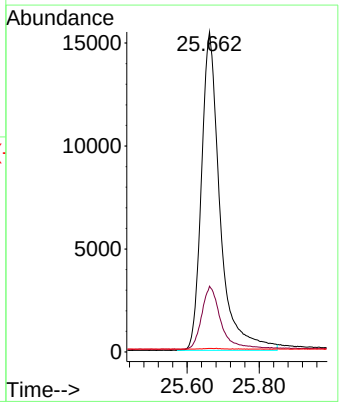


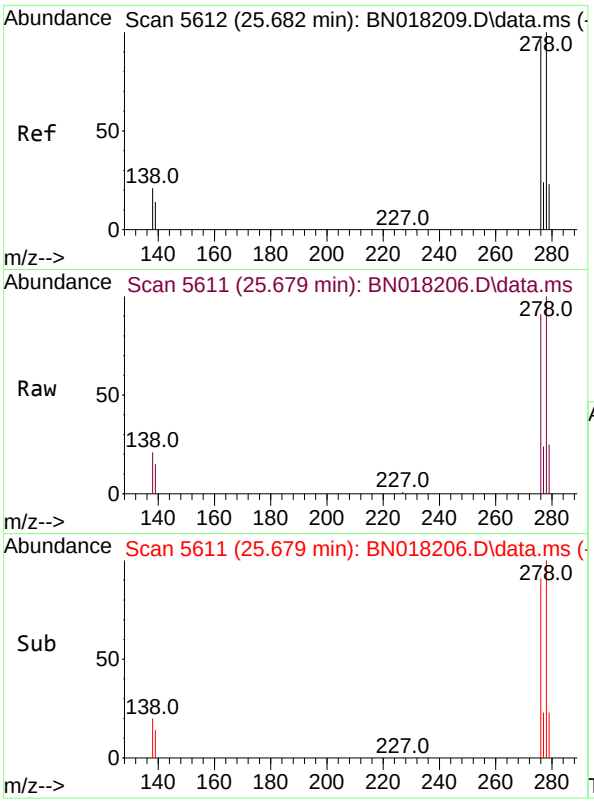




#27
Indeno(1,2,3-cd)pyrene
Concen: 0.536 ng/ul
RT: 25.662 min Scan# 5606
Delta R.T. -0.003 min
Lab File: BN018206.D
Acq: 27 Dec 2021 16:51

Tgt Ion:276 Resp: 55330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 20.6 | 16.5 | 24.7 |
| 227 | 0.1 | 0.1 | 0.1 |



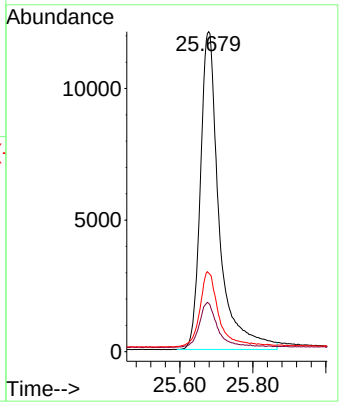


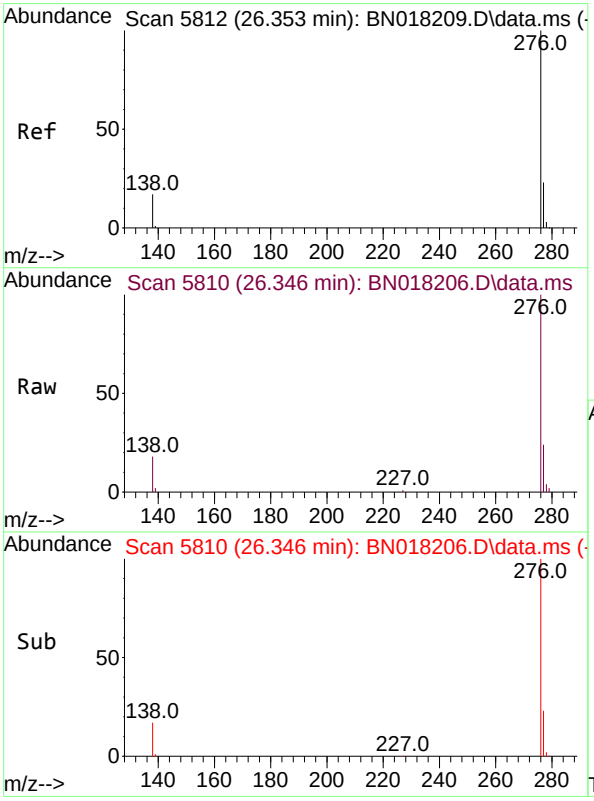

#28
Dibenzo(a,h)anthracene
Concen: 0.553 ng/ul
RT: 25.679 min Scan# 5
Delta R.T. -0.003 min
Lab File: BN018206.D
Acq: 27 Dec 2021 16:51

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

Tgt Ion:278 Resp: 43211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 15.1 | 11.9 | 17.9 |
| 279 | 24.5 | 19.5 | 29.3 |




#29
Benzo(g,h,i)perylene
Concen: 0.566 ng/ul
RT: 26.346 min Scan# 5810
Delta R.T. -0.007 min
Lab File: BN018206.D
Acq: 27 Dec 2021 16:51

Tgt Ion:276 Resp: 48181

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 18.0 | 14.4 | 21.6 |
| 277 | 23.8 | 19.2 | 28.8 |