Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082423\
Data File : BN027108.D
Acq On : 24 Aug 2023 21:42
Operator : MA/JU
Sample : 03968-35DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
A48Q3DL

Quant Time: Aug 25 03:52:08 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN080323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 23 02:28:27 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.088 | 152 | 7428 | 0.400 | ng/ul | 0.00 |
| 4) Naphthalene-d8 | 10.911 | 136 | 23870 | 0.400 | ng/ul | -0.01 |
| 9) Acenaphthene-d10 | 14.712 | 164 | 14421 | 0.400 | ng/ul | 0.00 |
| 13) Phenanthrene-d10 | 17.460 | 188 | 32361 | 0.400 | ng/ul | 0.00 |
| 17) Chrysene-d12 | 21.635 | 240 | 28040 | 0.400 | ng/ul | 0.00 |
| 23) Perylene-d12 | 24.170 | 264 | 28286 | 0.400 | ng/ul | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.431 | 96 | 7899 | 0.896 | ng/ul | 0.00 |
| 6) 2-Methylnaphthalene-d10 | 12.483 | 152 | 1563 | 0.045 | ng/ul | -0.01 |
| 18) Fluoranthene-d10 | 19.478 | 212 | 4231 | 0.048 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 5) Naphthalene | 10.960 | 128 | 4671 | 0.069 | ng/ul# | 93 |
| 7) 2-Methylnaphthalene | 12.560 | 142 | 2112 | 0.052 | ng/ul | 100 |
| 8) 1-Methylnaphthalene | 12.775 | 142 | 1832 | 0.043 | ng/ul | 100 |
| 10) Acenaphthylene | 14.444 | 152 | 9406 | 0.116 | ng/ul | 98 |
| 11) Acenaphthene | 14.777 | 153 | 8058 | 0.144 | ng/ul | 100 |
| 12) Fluorene | 15.758 | 166 | 10892 | 0.172 | ng/ul | 99 |
| 15) Phenanthrene | 17.502 | 178 | 184426 | 1.735 | ng/ul | 99 |
| 16) Anthracene | 17.595 | 178 | 40225 | 0.419 | ng/ul | 99 |
| 19) Fluoranthene | 19.506 | 202 | 254866 | 2.188 | ng/ul | 98 |
| 20) Pyrene | 19.873 | 202 | 257348 | 2.071 | ng/ul | 99 |
| 21) Benzo(a)anthracene | 21.618 | 228 | 118546 | 1.063 | ng/ul | 99 |
| 22) Chrysene | 21.673 | 228 | 106508 | 0.968 | ng/ul | 98 |
| 24) Benzo(b)fluoranthene | 23.380 | 252 | 186106 | 1.739 | ng/ul | 98 |
| 26) Benzo(a)pyrene | 24.053 | 252 | 101796 | 1.054 | ng/ul | 100 |
| 27) Indeno(1,2,3-cd)pyrene | 26.841 | 276 | 51841 | 0.410 | ng/ul# | 92 |
| 28) Dibenzo(a,h)anthracene | 26.861 | 278 | 12777 | 0.127 | ng/ul# | 81 |
| 29) Benzo(g,h,i)perylene | 27.679 | 276 | 46655 | 0.444 | ng/ul | 99 |

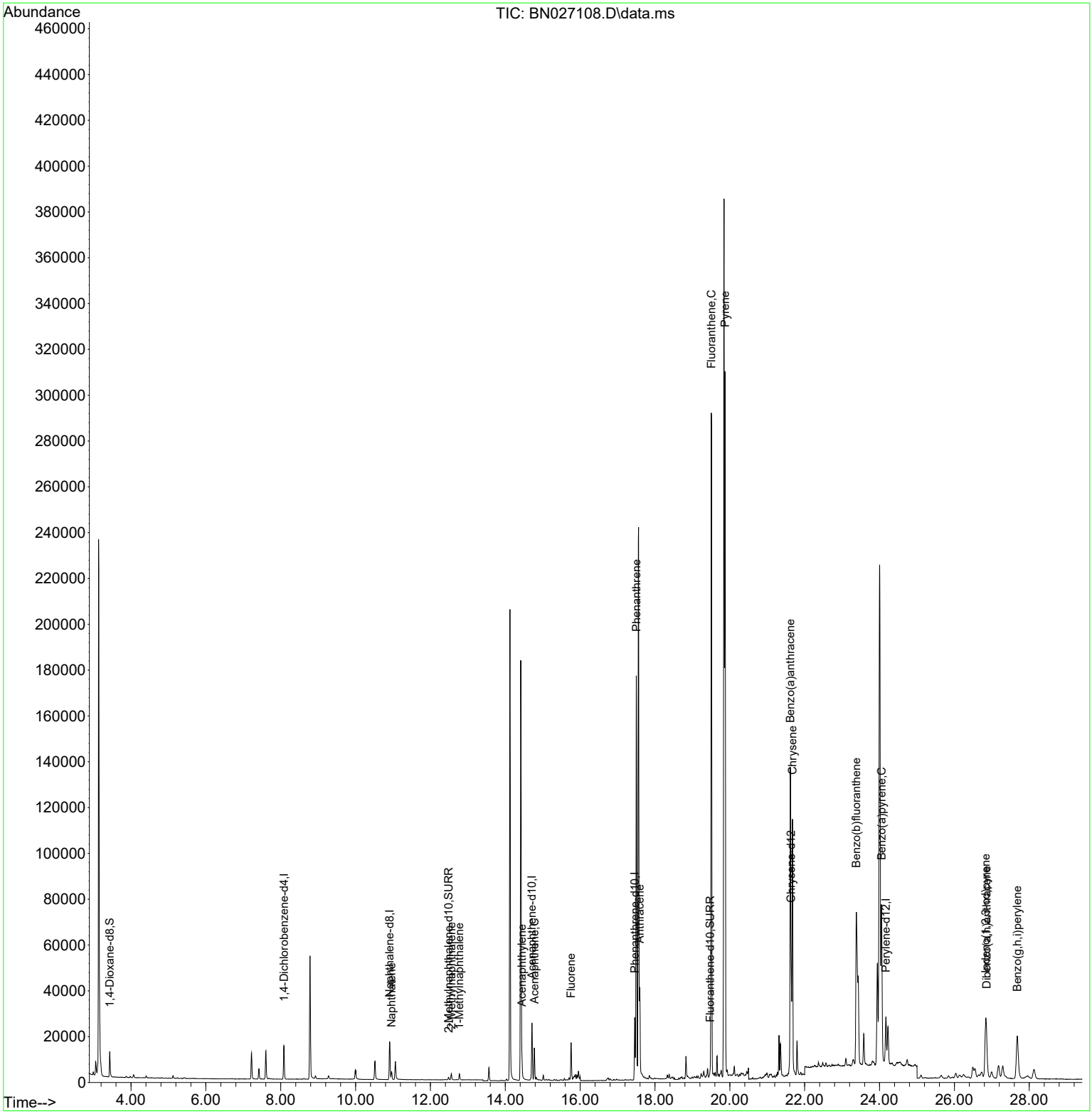
(#) = qualifier out of range (m) = manual integration (+) = signals summed

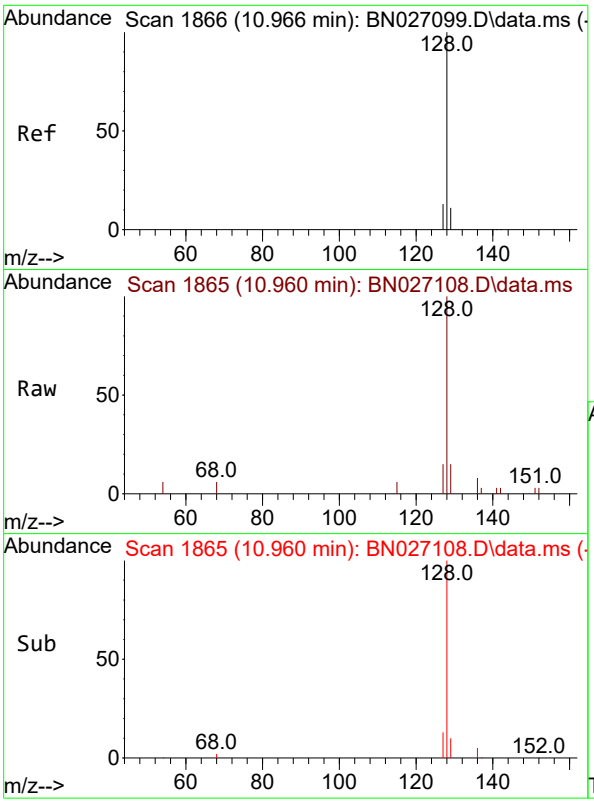
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082423\
Data File : BN027108.D
Acq On : 24 Aug 2023 21:42
Operator : MA/JU
Sample : 03968-35DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
A48Q3DL

Quant Time: Aug 25 03:52:08 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN080323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 23 02:28:27 2023
Response via : Initial Calibration



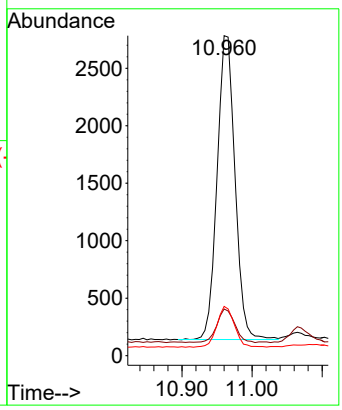


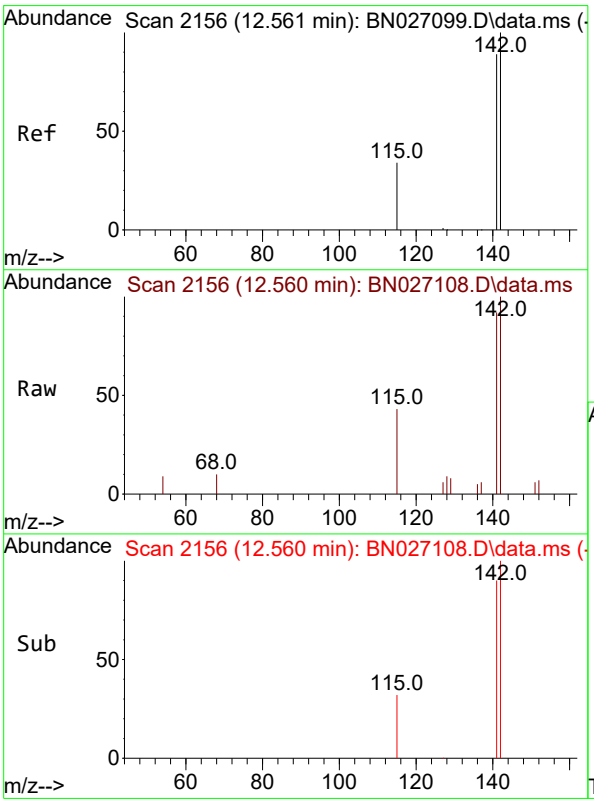

#5
Naphthalene
Concen: 0.069 ng/ul
RT: 10.960 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN027108.D
Acq: 24 Aug 2023 21:42

**Instrument :**
BNA_N
**ClientSampleId :**
A48Q3DL

Tgt Ion:128 Resp: 4671

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 14.6 | 9.2 | 13.8# |
| 127 | 15.4 | 10.5 | 15.7 |

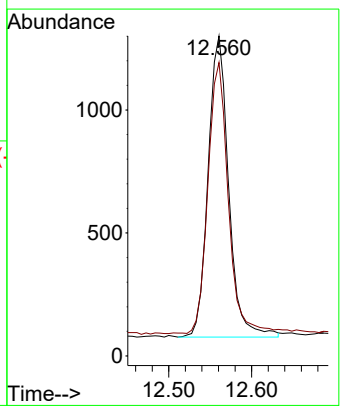


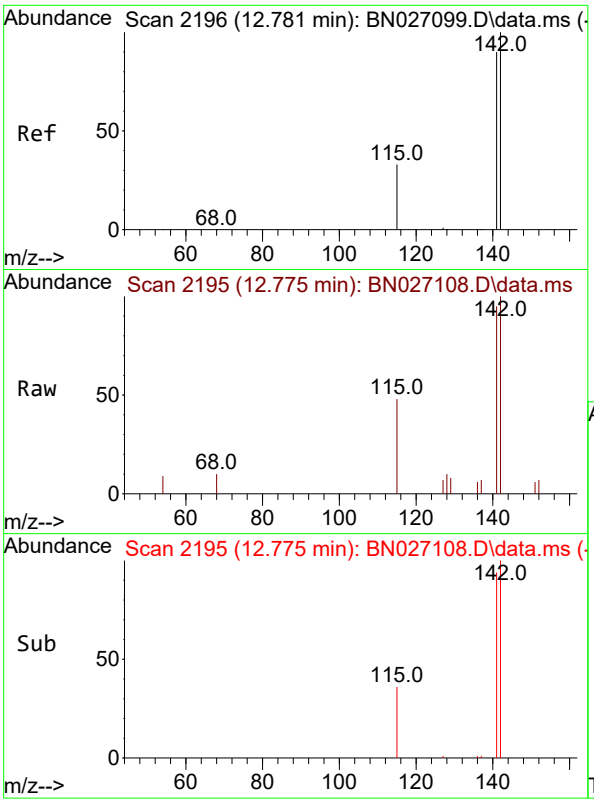




#7
2-Methylnaphthalene
Concen: 0.052 ng/ul
RT: 12.560 min Scan# 2156
Delta R.T. -0.006 min
Lab File: BN027108.D
Acq: 24 Aug 2023 21:42

Tgt Ion:142 Resp: 2112

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.9 | 70.9 | 106.3 |



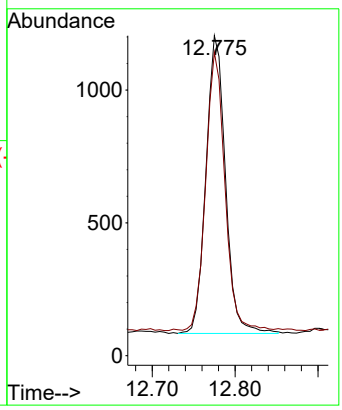


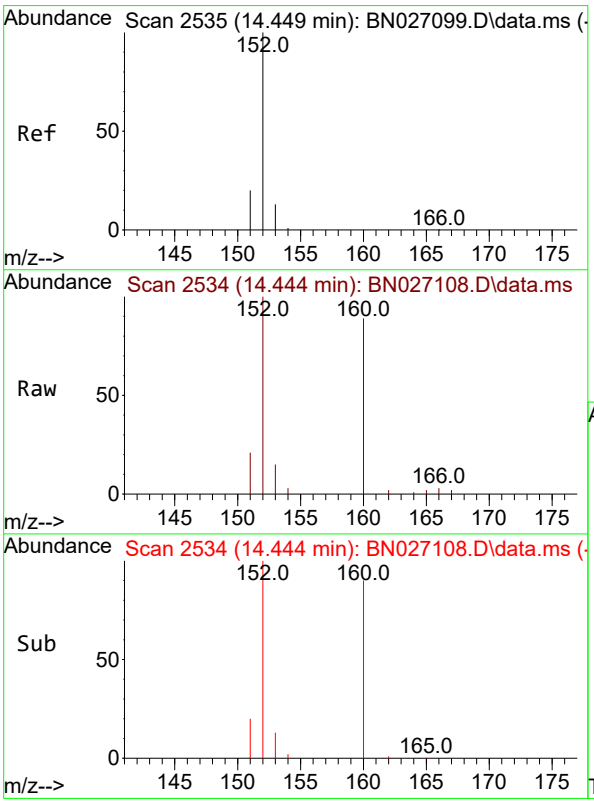

#8
1-Methylnaphthalene
Concen: 0.043 ng/ul
RT: 12.775 min Scan# 2
Delta R.T. -0.011 min
Lab File: BN027108.D
Acq: 24 Aug 2023 21:42

**Instrument :**
BNA_N
**ClientSampleId :**
A48Q3DL

Tgt Ion:142 Resp: 1832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.8 | 73.2 | 109.8 |

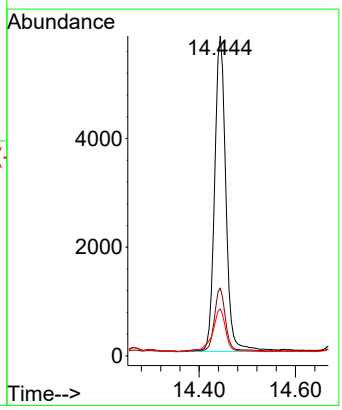


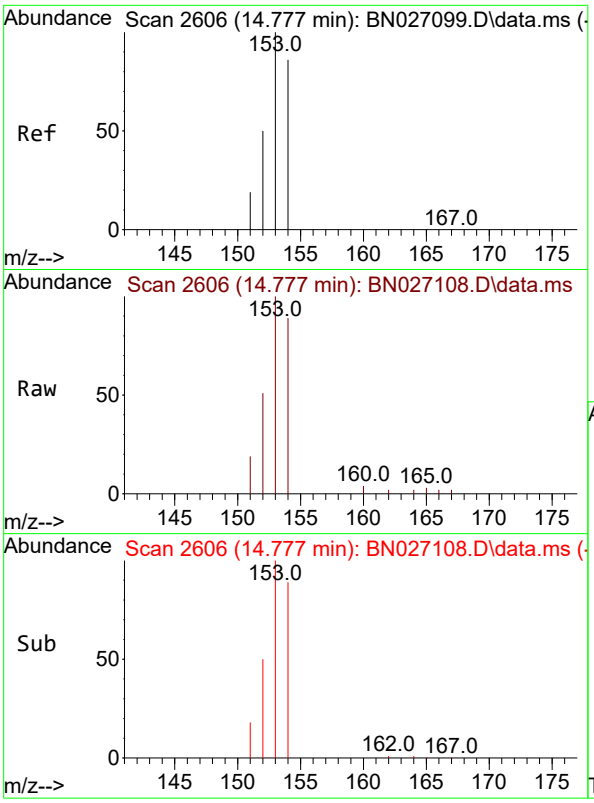




#10
Acenaphthylene
Concen: 0.116 ng/ul
RT: 14.444 min Scan# 2534
Delta R.T. -0.009 min
Lab File: BN027108.D
Acq: 24 Aug 2023 21:42

Tgt Ion:152 Resp: 9406

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 21.1 | 15.9 | 23.9 |
| 153 | 14.7 | 11.0 | 16.6 |



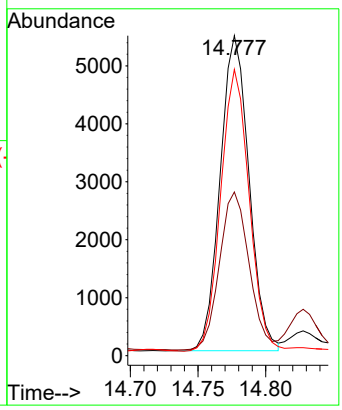


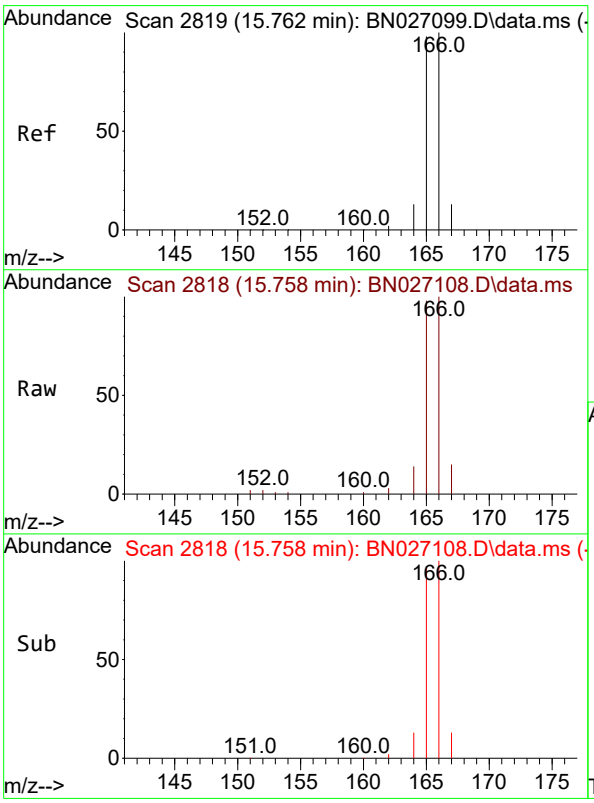

#11
Acenaphthene
Concen: 0.144 ng/ul
RT: 14.777 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN027108.D
Acq: 24 Aug 2023 21:42

**Instrument :**
BNA_N
**ClientSampleId :**
A48Q3DL

Tgt Ion:153 Resp: 8058

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 51.2 | 41.1 | 61.7 |
| 154 | 89.4 | 71.6 | 107.4 |

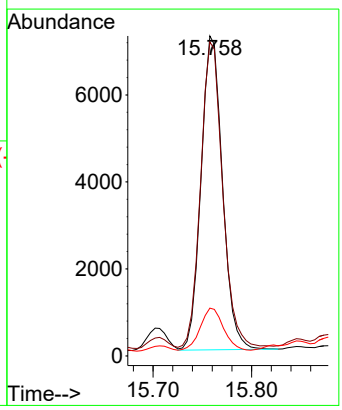


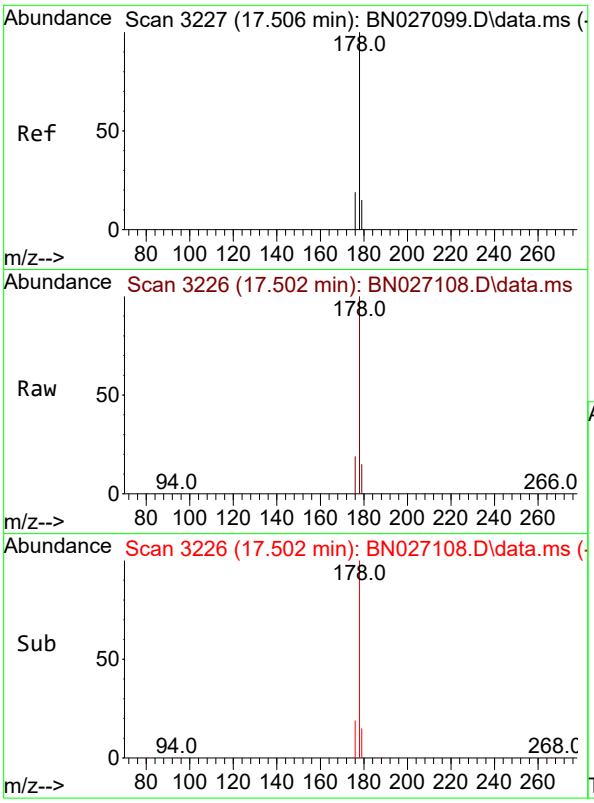




#12
Fluorene
Concen: 0.172 ng/ul
RT: 15.758 min Scan# 2818
Delta R.T. -0.009 min
Lab File: BN027108.D
Acq: 24 Aug 2023 21:42

Tgt Ion:166 Resp: 10892

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.1 | 79.1 | 118.7 |
| 167 | 14.9 | 11.4 | 17.0 |



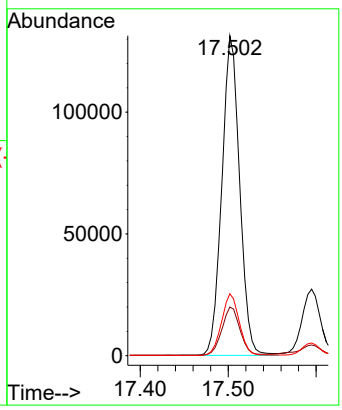


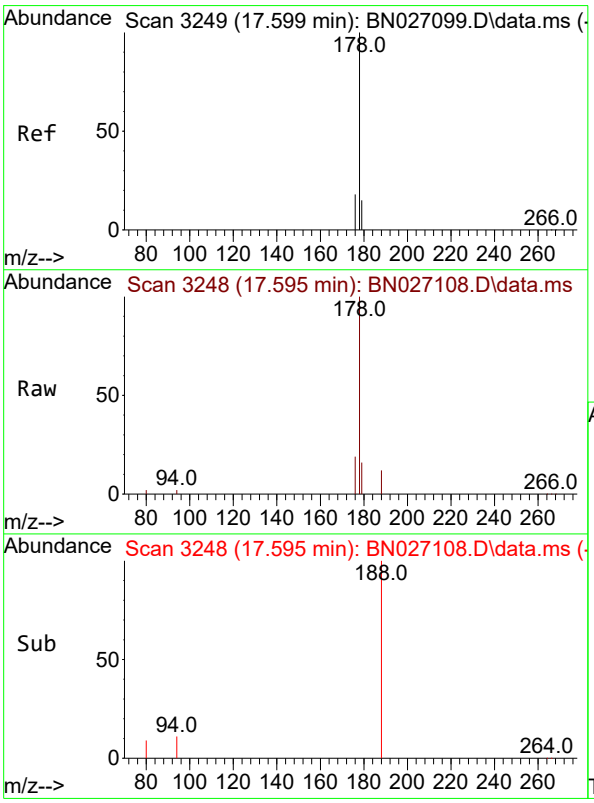

#15
Phenanthrene
Concen: 1.735 ng/ul
RT: 17.502 min Scan# 3
Delta R.T. -0.009 min
Lab File: BN027108.D
Acq: 24 Aug 2023 21:42

**Instrument :**
BNA_N
**ClientSampleId :**
A48Q3DL

Tgt Ion:178 Resp: 184426

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.2 | 12.6 | 18.8 |
| 176 | 19.3 | 15.4 | 23.2 |

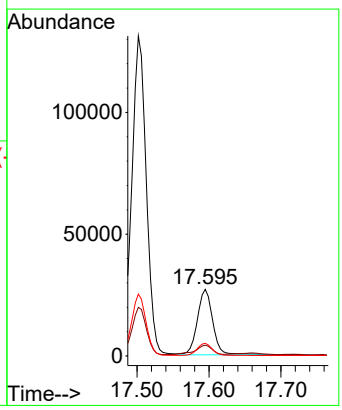


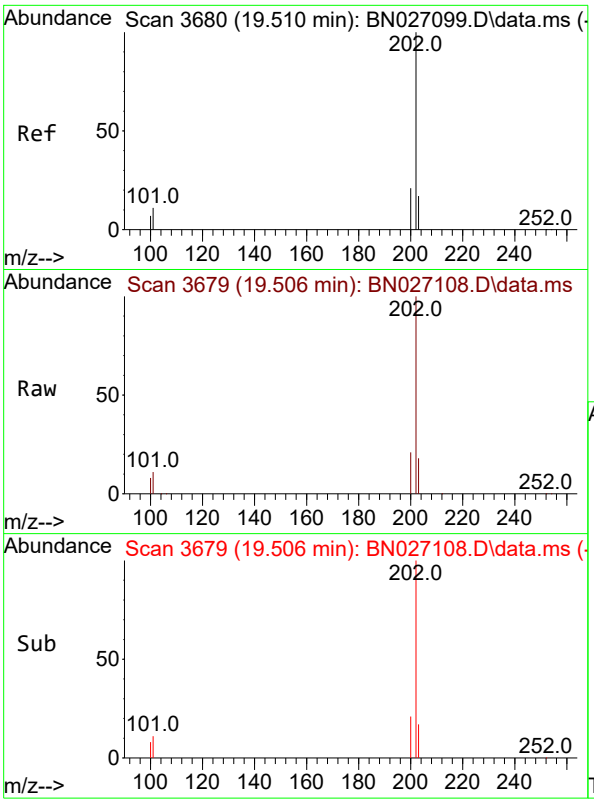




#16
Anthracene
Concen: 0.419 ng/ul
RT: 17.595 min Scan# 3248
Delta R.T. -0.009 min
Lab File: BN027108.D
Acq: 24 Aug 2023 21:42

Tgt Ion:178 Resp: 40225

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.2 | 12.6 | 19.0 |
| 176 | 19.1 | 15.0 | 22.6 |



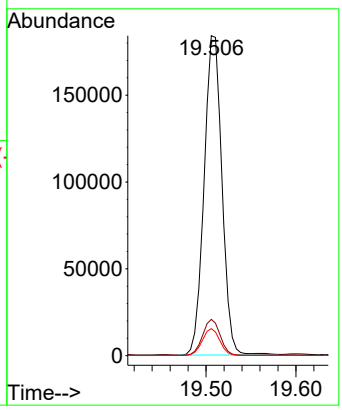


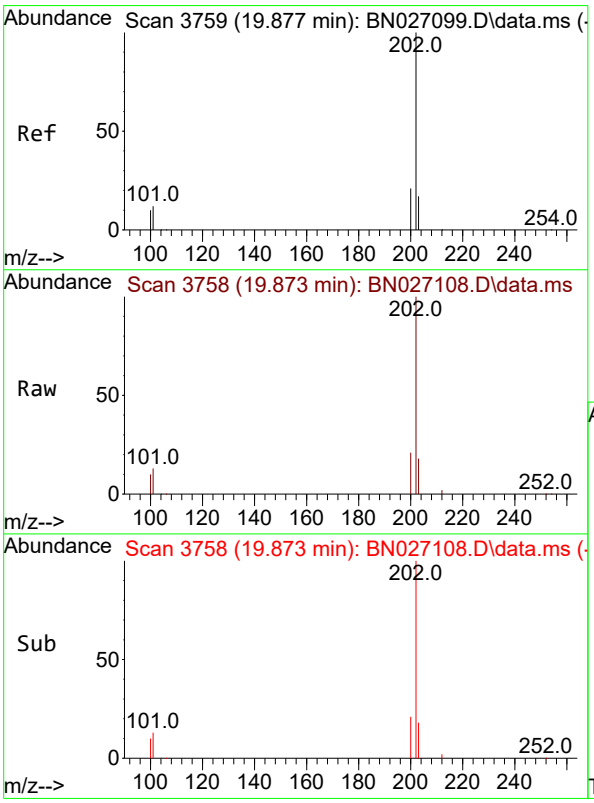

#19
Fluoranthene
Concen: 2.188 ng/ul
RT: 19.506 min Scan# 3
Delta R.T. -0.009 min
Lab File: BN027108.D
Acq: 24 Aug 2023 21:42

**Instrument :**
BNA_N
**ClientSampleId :**
A48Q3DL

Tgt Ion:202 Resp: 254866

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.3 | 8.3 | 12.5 |
| 100 | 8.4 | 6.2 | 9.2 |

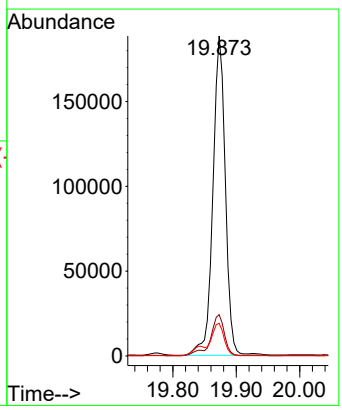


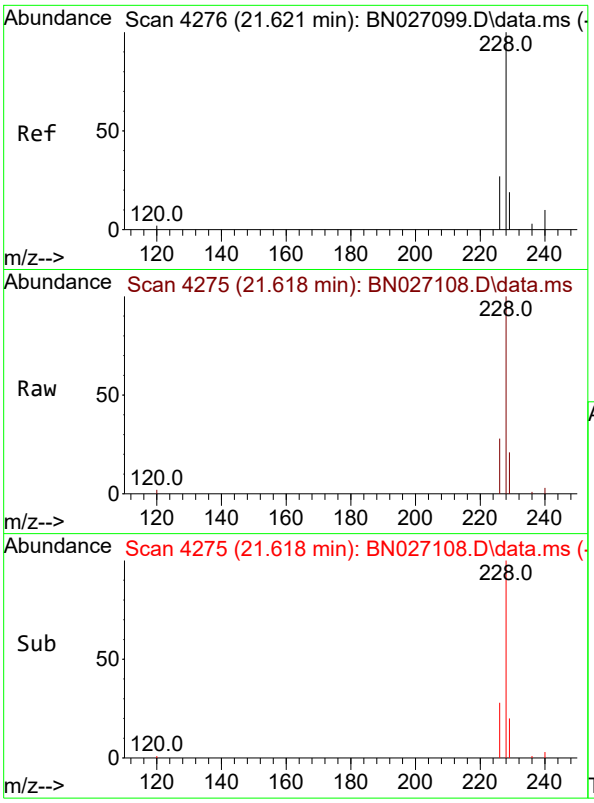




#20
Pyrene
Concen: 2.071 ng/ul
RT: 19.873 min Scan# 3758
Delta R.T. -0.009 min
Lab File: BN027108.D
Acq: 24 Aug 2023 21:42

Tgt Ion:202 Resp: 257348

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.9 | 10.7 | 16.1 |
| 100 | 10.2 | 8.5 | 12.7 |



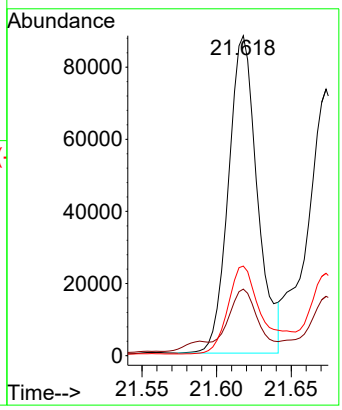


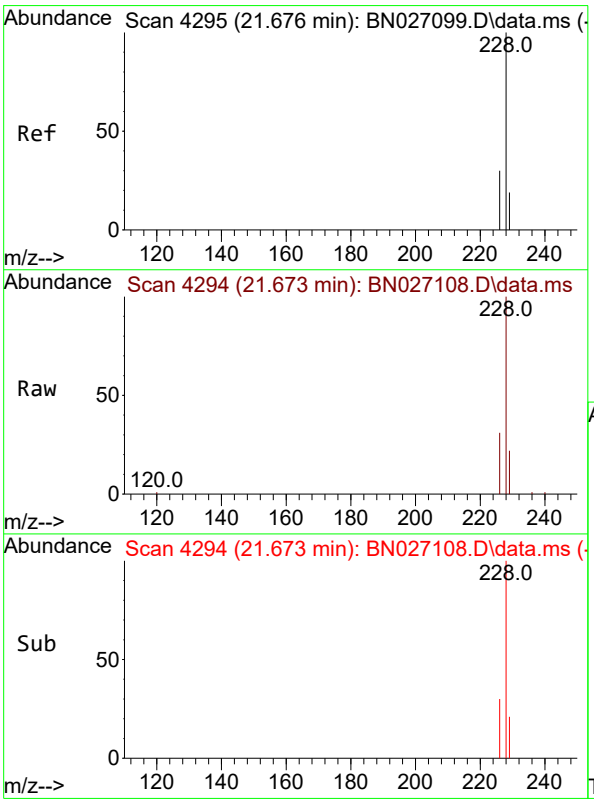

#21
Benzo(a)anthracene
Concen: 1.063 ng/ul
RT: 21.618 min Scan# 4
Delta R.T. -0.003 min
Lab File: BN027108.D
Acq: 24 Aug 2023 21:42

**Instrument :**
BNA_N
**ClientSampleId :**
A48Q3DL

Tgt Ion:228 Resp: 118546

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 20.8 | 16.0 | 24.0 |
| 226 | 28.0 | 22.2 | 33.2 |

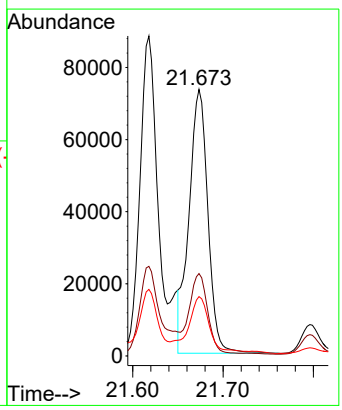


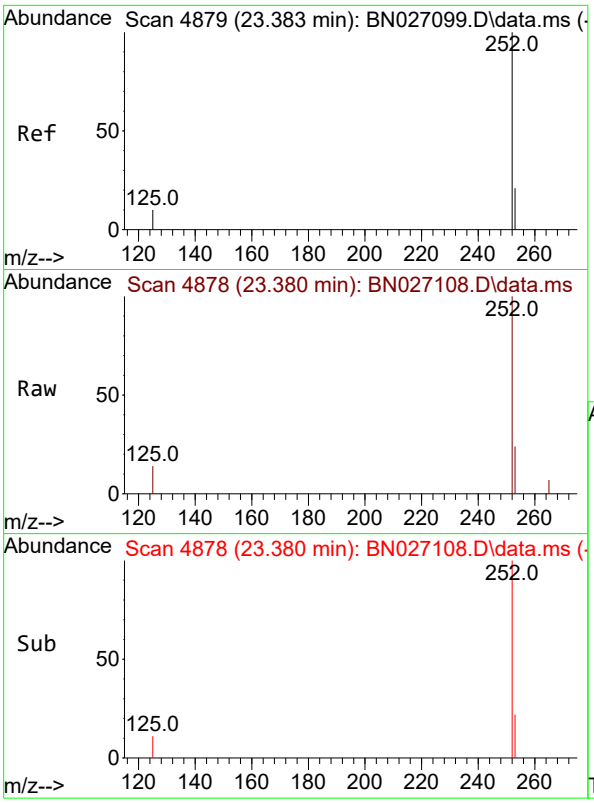




#22
Chrysene
Concen: 0.968 ng/ul
RT: 21.673 min Scan# 4294
Delta R.T. -0.003 min
Lab File: BN027108.D
Acq: 24 Aug 2023 21:42

Tgt Ion:228 Resp: 106508

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.9 | 24.6 | 36.8 |
| 229 | 22.2 | 15.8 | 23.6 |



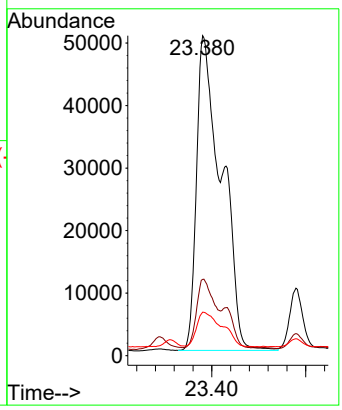


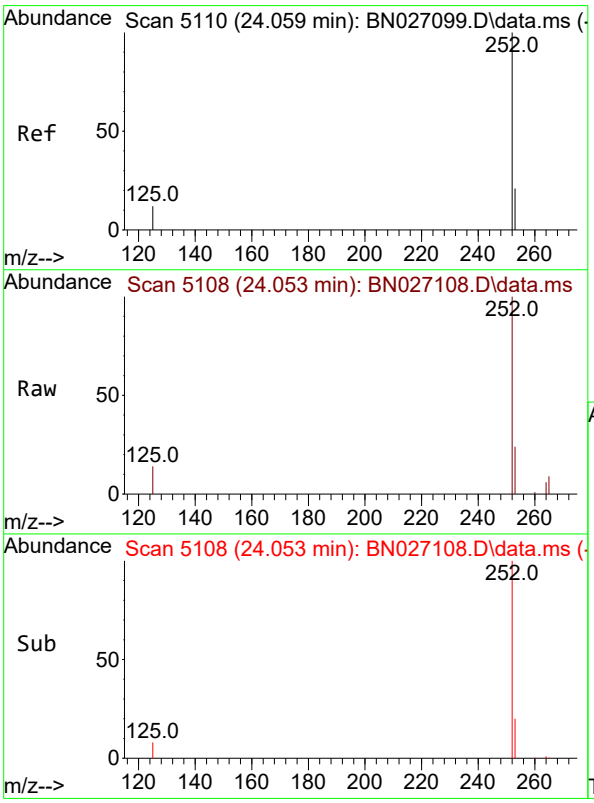

#24
Benzo(b)fluoranthene
Concen: 1.739 ng/ul
RT: 23.380 min Scan# 4
Delta R.T. -0.006 min
Lab File: BN027108.D
Acq: 24 Aug 2023 21:42

**Instrument :**
BNA_N
**ClientSampleId :**
A48Q3DL

Tgt Ion:252 Resp: 186106

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.9 | 0.0 | 46.8 |
| 125 | 13.6 | 0.0 | 25.2 |

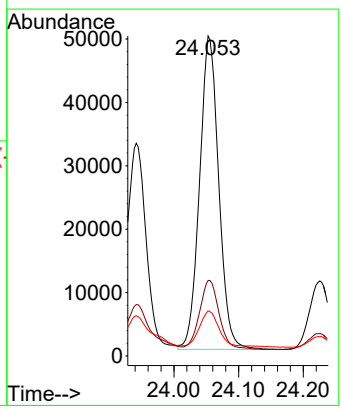


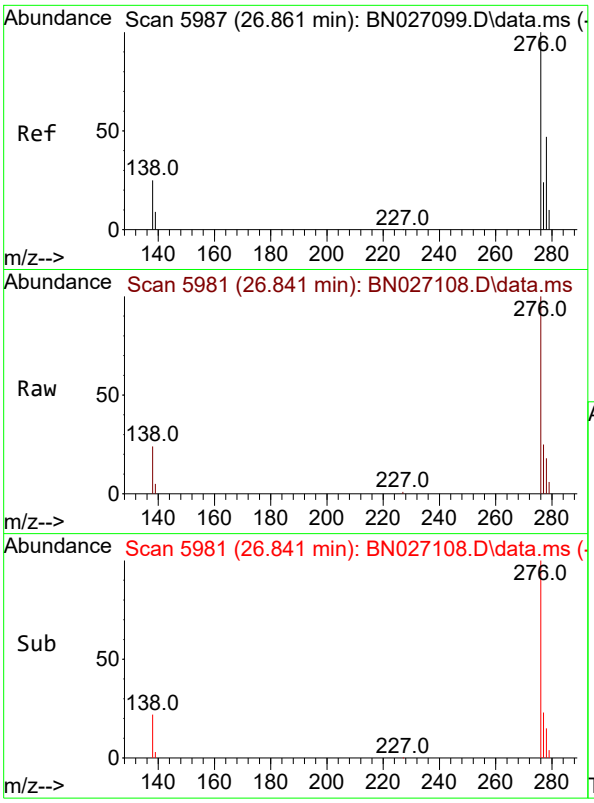




#26
Benzo(a)pyrene
Concen: 1.054 ng/ul
RT: 24.053 min Scan# 5108
Delta R.T. -0.009 min
Lab File: BN027108.D
Acq: 24 Aug 2023 21:42

Tgt Ion:252 Resp: 101796

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.6 | 19.0 | 28.6 |
| 125 | 14.1 | 11.4 | 17.0 |



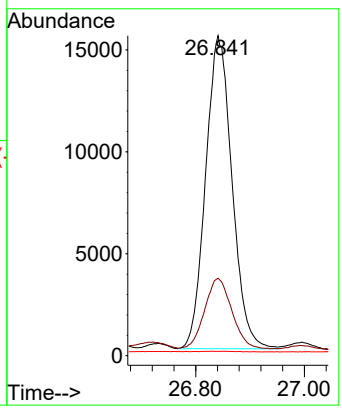


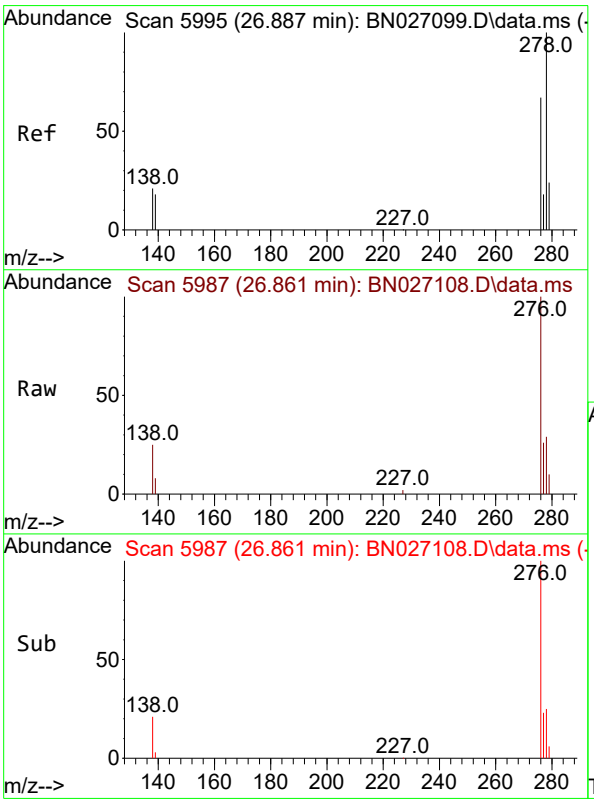

#27
Indeno(1,2,3-cd)pyrene
Concen: 0.410 ng/ul
RT: 26.841 min Scan# 5
Delta R.T. -0.013 min
Lab File: BN027108.D
Acq: 24 Aug 2023 21:42

**Instrument :**
BNA_N
**ClientSampleId :**
A48Q3DL

Tgt Ion:276 Resp: 51841

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 23.0 | 21.6 | 32.4 |
| 227 | 0.2 | 0.0 | 0.0# |

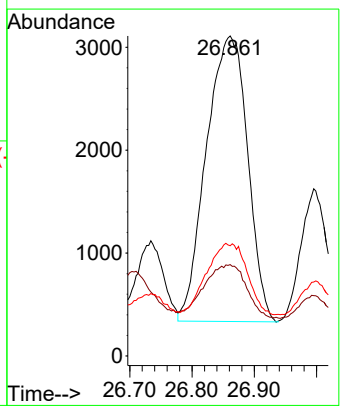


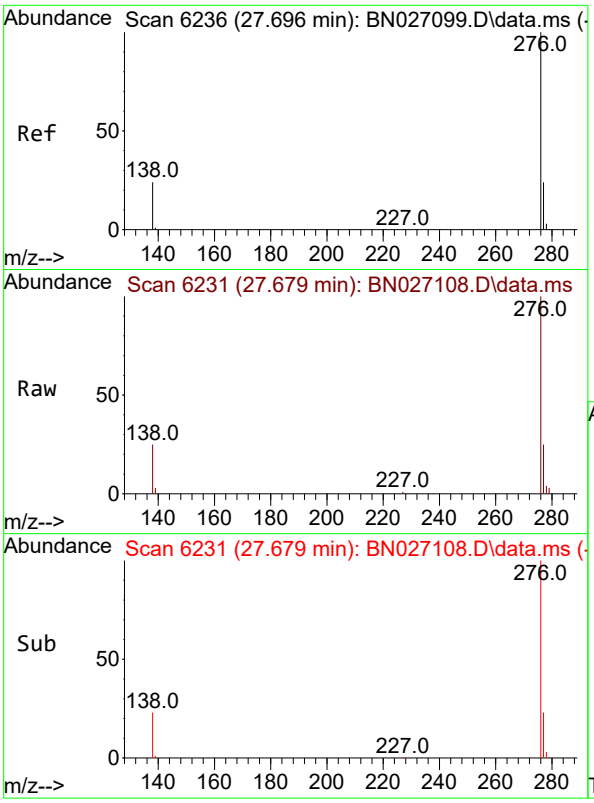




#28
Dibenzo(a,h)anthracene
Concen: 0.127 ng/ul
RT: 26.861 min Scan# 5987
Delta R.T. -0.023 min
Lab File: BN027108.D
Acq: 24 Aug 2023 21:42

Tgt Ion:278 Resp: 12777

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 28.6 | 15.7 | 23.5# |
| 279 | 34.5 | 20.2 | 30.4# |






#29
Benzo(g,h,i)perylene
Concen: 0.444 ng/ul
RT: 27.679 min Scan# 6
Delta R.T. -0.016 min
Lab File: BN027108.D
Acq: 24 Aug 2023 21:42

**Instrument :**
BNA_N
**ClientSampleId :**
A48Q3DL

Tgt Ion:276 Resp: 46655

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 25.2 | 19.3 | 28.9 |
| 277 | 24.8 | 19.8 | 29.8 |