Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112823\
Data File : BN028903.D
Acq On : 28 Nov 2023 14:36
Operator : MA/JU
Sample : 05416-01DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 28 15:05:39 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN110923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 21 23:49:43 2023
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
C0AB2DL

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 11/29/2023

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.652 | 152 | 4349m | 0.400 | ng/ul | -0.08 |
| 4) Naphthalene-d8 | 10.428 | 136 | 14660 | 0.400 | ng/ul | #-0.03 |
| 9) Acenaphthene-d10 | 14.287 | 164 | 8092 | 0.400 | ng/ul | -0.02 |
| 13) Phenanthrene-d10 | 17.047 | 188 | 14355 | 0.400 | ng/ul | #-0.01 |
| 17) Chrysene-d12 | 21.271 | 240 | 9457 | 0.400 | ng/ul | # 0.00 |
| 23) Perylene-d12 | 23.539 | 264 | 8868 | 0.400 | ng/ul | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.095 | 96 | 3507 | 0.730 | ng/ul | -0.01 |
| 6) 2-Methylnaphthalene-d10 | 12.039 | 152 | 548 | 0.025 | ng/ul | -0.03 |
| 18) Fluoranthene-d10 | 19.088 | 212 | 1255 | 0.041 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 5) Naphthalene | 10.472 | 128 | 15041 | 0.366 | ng/ul | 97 |
| 7) 2-Methylnaphthalene | 12.100 | 142 | 15496m | 0.573 | ng/ul | |
| 8) 1-Methylnaphthalene | 12.314 | 142 | 11385 | 0.414 | ng/ul | 99 |
| 15) Phenanthrene | 17.085 | 178 | 31486 | 0.714 | ng/ul | 99 |
| 19) Fluoranthene | 19.121 | 202 | 3808 | 0.095 | ng/ul# | 87 |
| 20) Pyrene | 19.479 | 202 | 4338 | 0.104 | ng/ul# | 83 |
| 21) Benzo(a)anthracene | 21.256 | 228 | 868m | 0.023 | ng/ul | |
| 22) Chrysene | 21.306 | 228 | 4004m | 0.110 | ng/ul | |
| 29) Benzo(g,h,i)perylene | 26.604 | 276 | 732 | 0.026 | ng/ul# | 7 |

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

Quantitation Report (QT Reviewed)

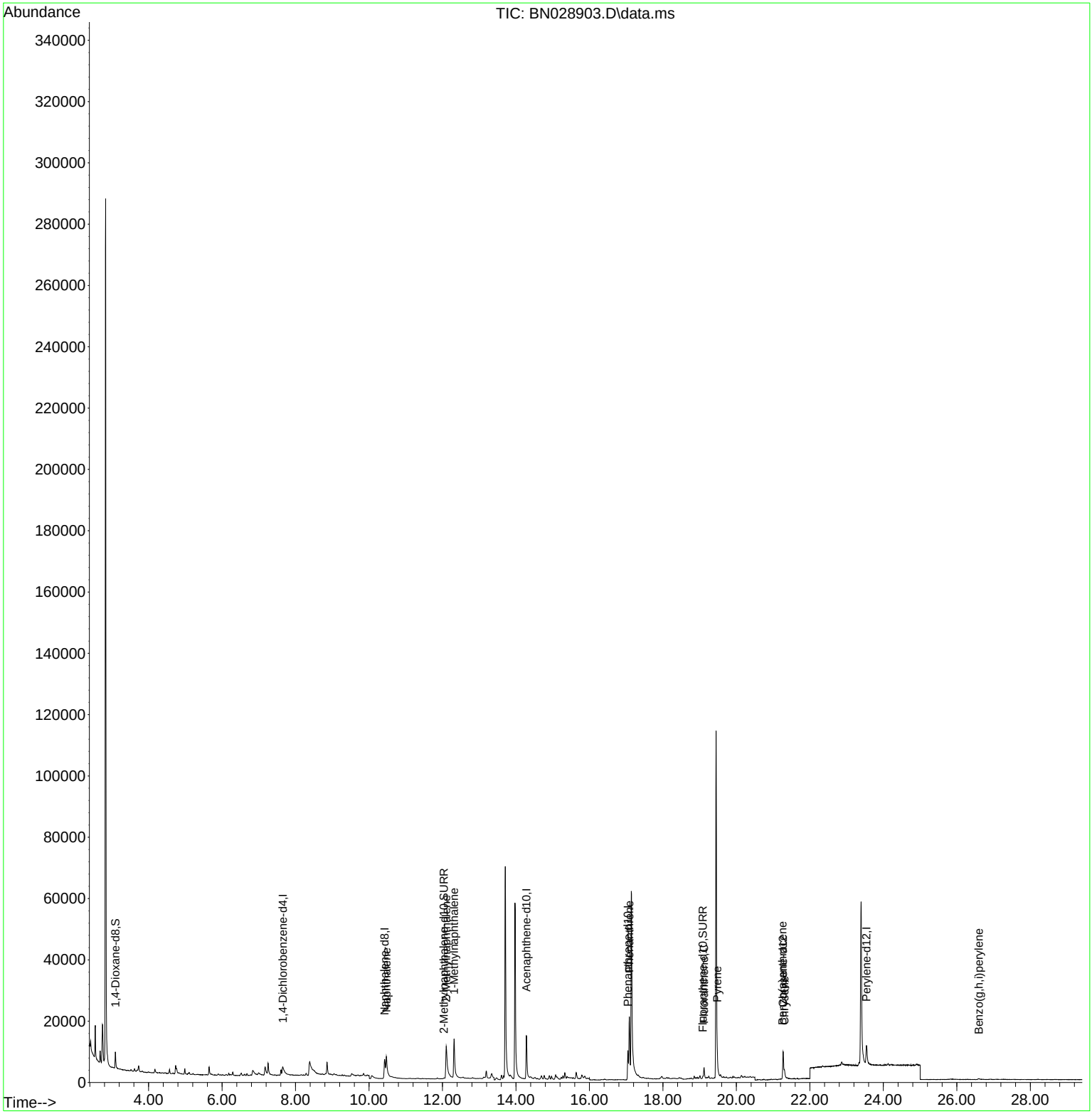
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112823\
Data File : BN028903.D
Acq On : 28 Nov 2023 14:36
Operator : MA/JU
Sample : 05416-01DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

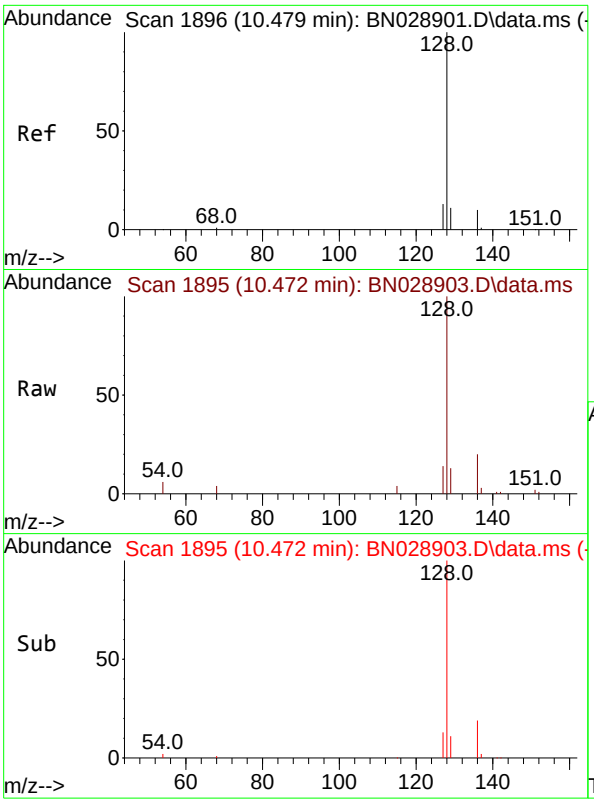
Quant Time: Nov 28 15:05:39 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN110923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 21 23:49:43 2023
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
C0AB2DL

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 11/29/2023

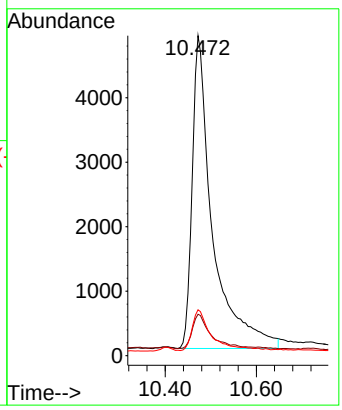





#5
Naphthalene
Concen: 0.366 ng/ul
RT: 10.472 min Scan# 1
Delta R.T. -0.034 min
Lab File: BN028903.D
Acq: 28 Nov 2023 14:36

Tgt Ion:128 Resp: 1504

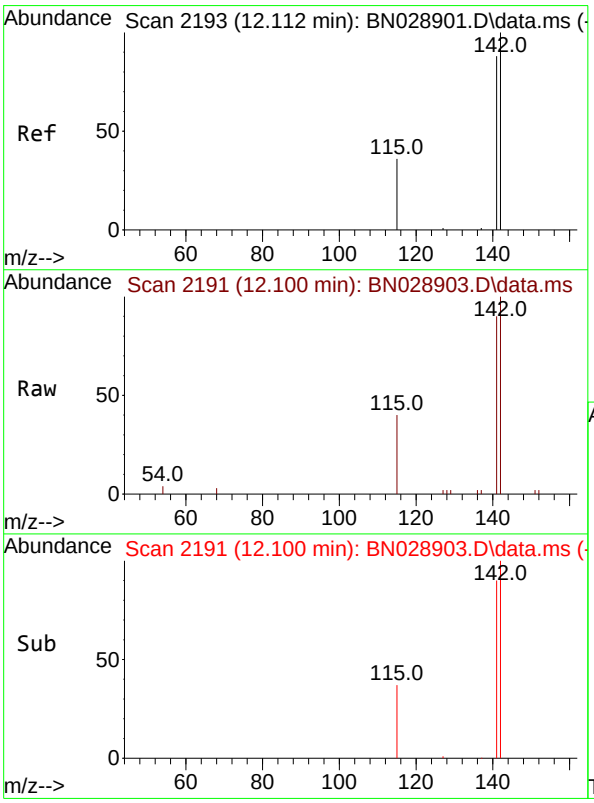
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 13.0 | 9.2 | 13.8 |
| 127 | 14.4 | 10.7 | 16.1 |




**Instrument :**
BNA_N
**ClientSampleId :**
C0AB2DL

**Manual Integrations**
**APPROVED**

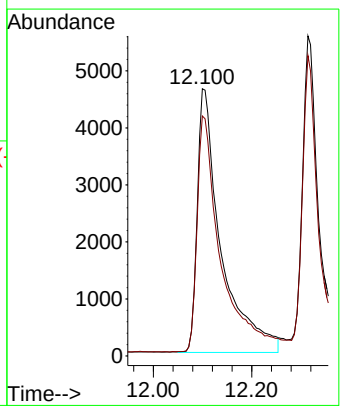
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 11/29/2023

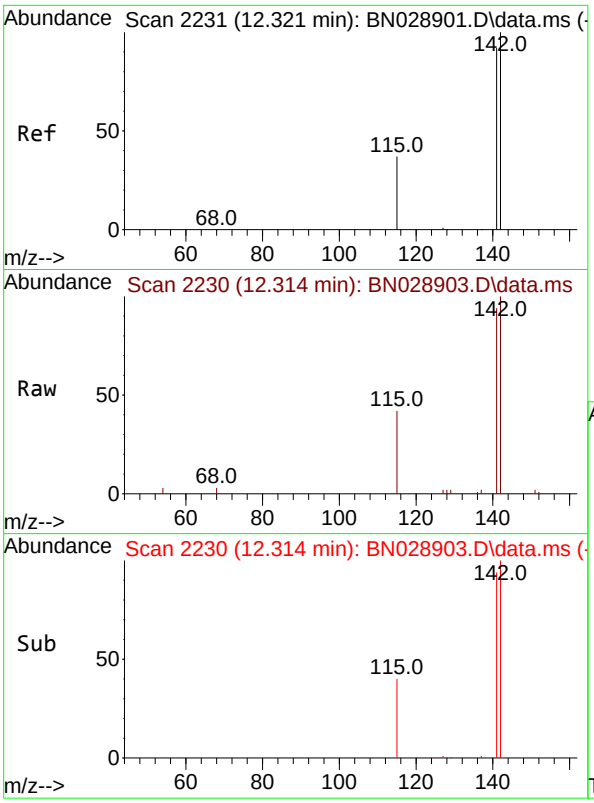



#7
2-Methylnaphthalene
Concen: 0.573 ng/ul m
RT: 12.100 min Scan# 2191
Delta R.T. -0.040 min
Lab File: BN028903.D
Acq: 28 Nov 2023 14:36

Tgt Ion:142 Resp: 15496

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 77.7 | 70.8 | 106.2 |

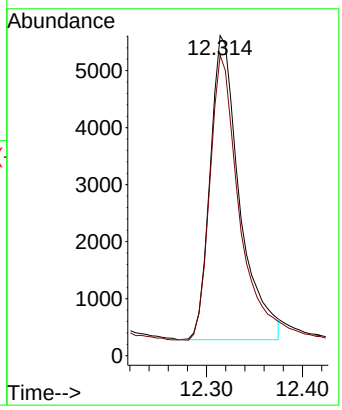





#8
1-Methylnaphthalene
Concen: 0.414 ng/ul
RT: 12.314 min Scan# 2
Delta R.T. -0.023 min
Lab File: BN028903.D
Acq: 28 Nov 2023 14:36

Tgt Ion:142 Resp: 1138

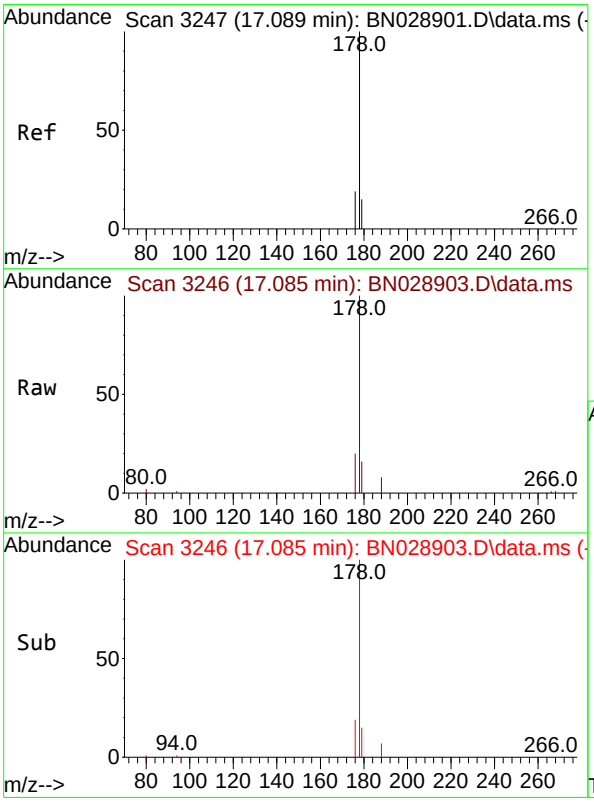
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.7 | 74.1 | 111.1 |




**Instrument :**
BNA_N
**ClientSampleId :**
C0AB2DL

**Manual Integrations**
**APPROVED**

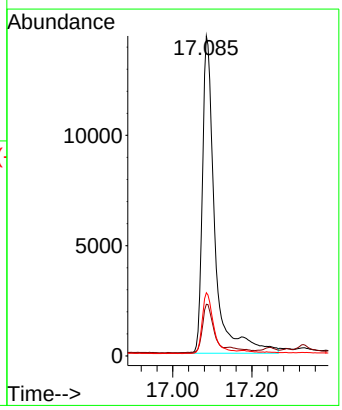
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 11/29/2023

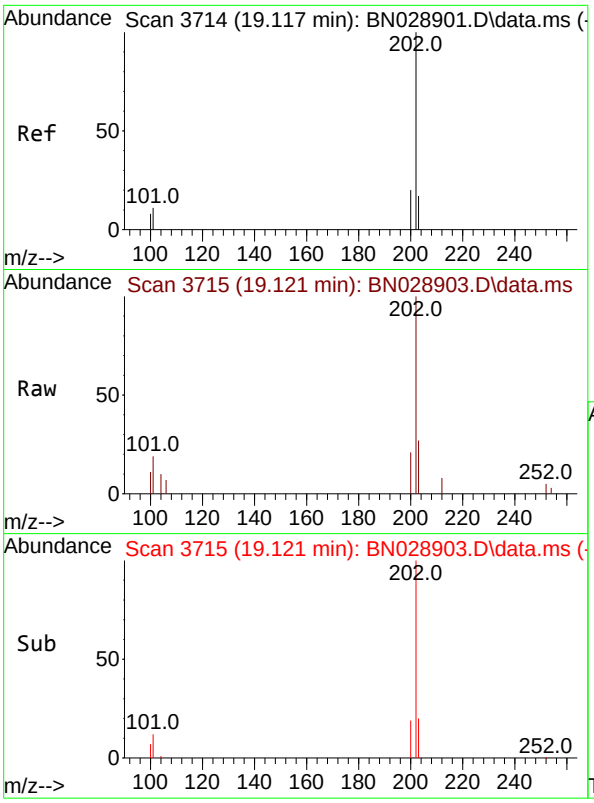



#15
Phenanthrene
Concen: 0.714 ng/ul
RT: 17.085 min Scan# 3246
Delta R.T. -0.018 min
Lab File: BN028903.D
Acq: 28 Nov 2023 14:36

Tgt Ion:178 Resp: 31486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.2 | 12.4 | 18.6 |
| 176 | 19.7 | 15.4 | 23.2 |

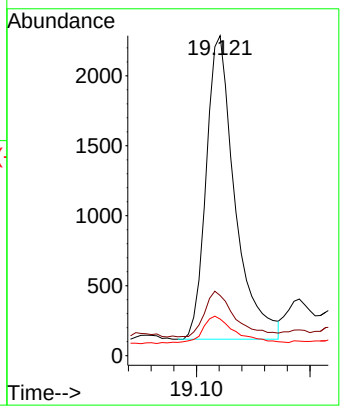





#19
Fluoranthene
Concen: 0.095 ng/ul
RT: 19.121 min Scan# 3
Delta R.T. -0.002 min
Lab File: BN028903.D
Acq: 28 Nov 2023 14:36

Tgt Ion:202 Resp: 380

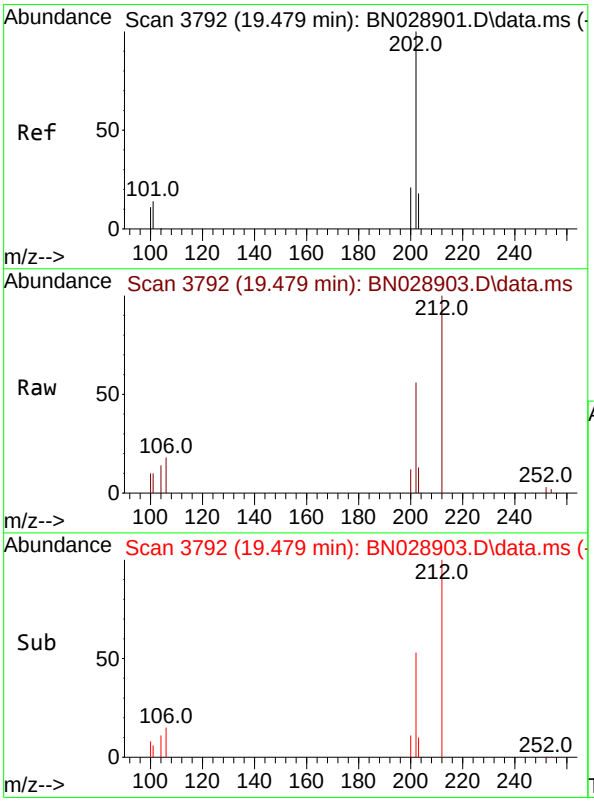
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 18.8 | 9.5 | 14.3# |
| 100 | 11.5 | 7.2 | 10.8# |




**Instrument :**
BNA_N
**ClientSampleId :**
C0AB2DL

**Manual Integrations**
**APPROVED**

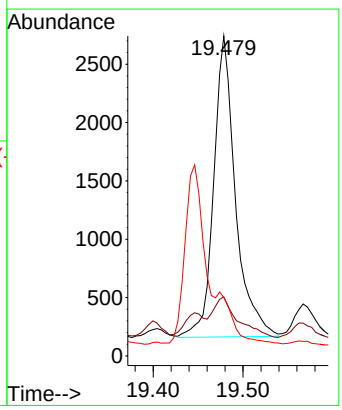
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 11/29/2023

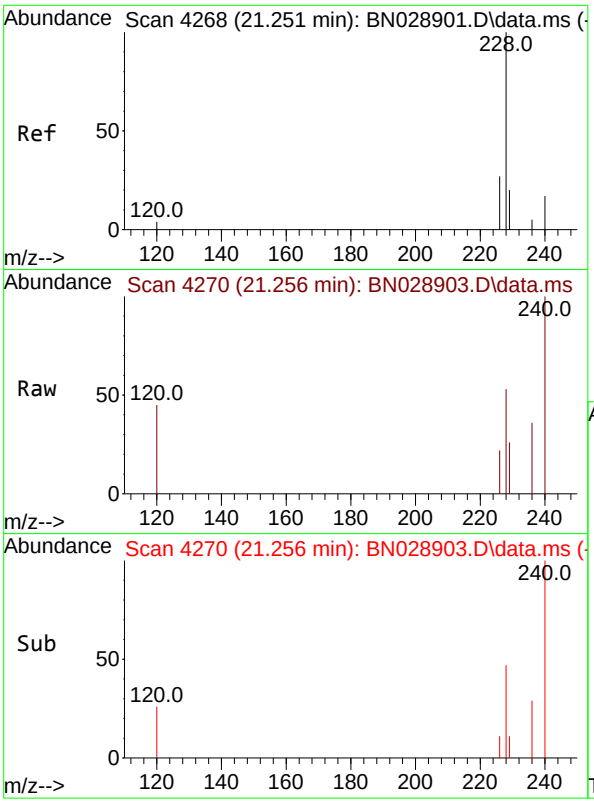



#20
Pyrene
Concen: 0.104 ng/ul
RT: 19.479 min Scan# 3792
Delta R.T. -0.007 min
Lab File: BN028903.D
Acq: 28 Nov 2023 14:36

Tgt Ion:202 Resp: 4338

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 18.5 | 10.3 | 15.5# |
| 100 | 18.3 | 8.2 | 12.2# |

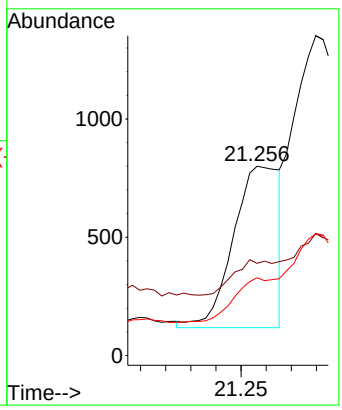





#21
Benzo(a)anthracene
Concen: 0.023 ng/ul m
RT: 21.256 min Scan# 4
Delta R.T. 0.001 min
Lab File: BN028903.D
Acq: 28 Nov 2023 14:36

Tgt Ion:228 Resp: 86

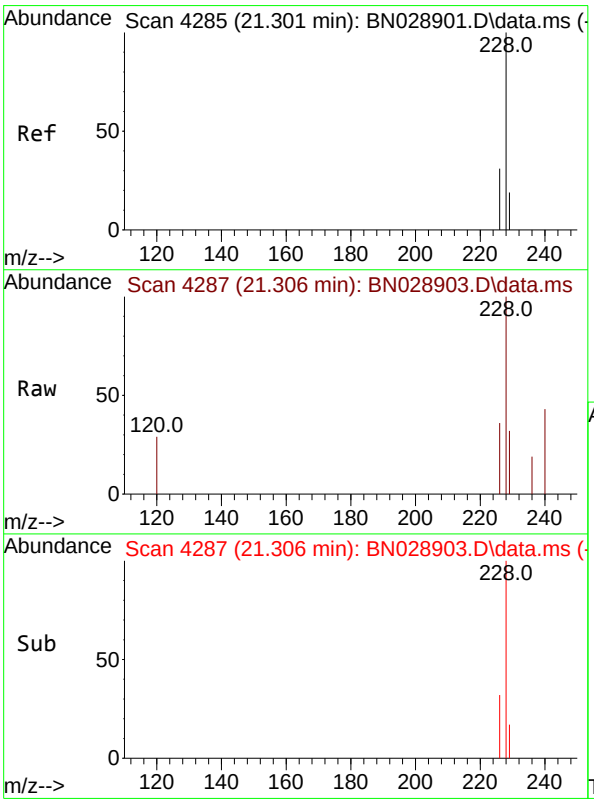
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 48.8 | 15.7 | 23.5# |
| 226 | 41.1 | 21.4 | 32.0# |




**Instrument :**
BNA_N
**ClientSampleId :**
C0AB2DL

**Manual Integrations**
**APPROVED**

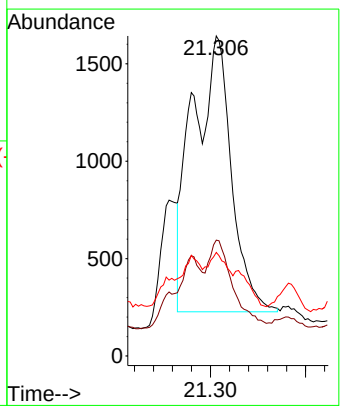
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 11/29/2023

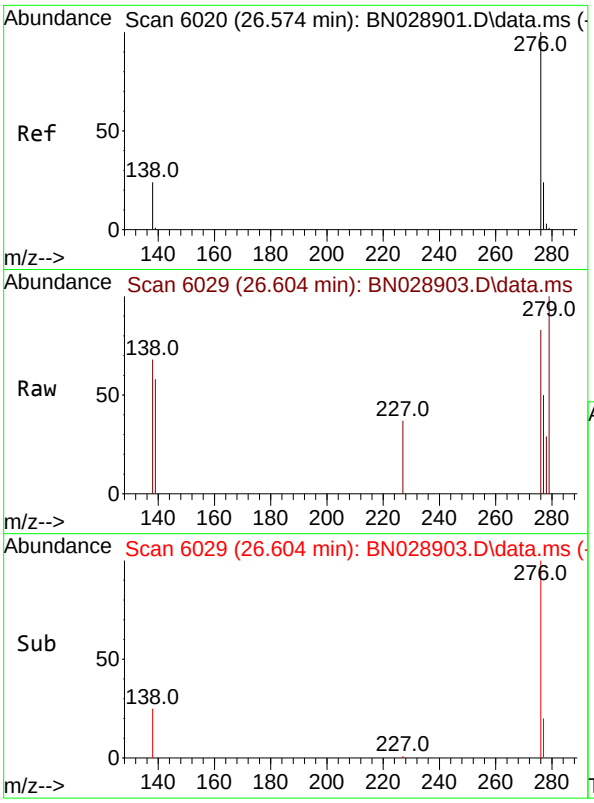



#22
Chrysene
Concen: 0.110 ng/ul m
RT: 21.306 min Scan# 4287
Delta R.T. 0.001 min
Lab File: BN028903.D
Acq: 28 Nov 2023 14:36

Tgt Ion:228 Resp: 4004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 36.2 | 23.8 | 35.8# |
| 229 | 32.4 | 15.4 | 23.2# |

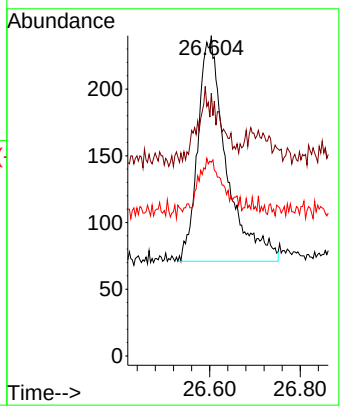





#29
Benzo(g,h,i)perylene
Concen: 0.026 ng/ul
RT: 26.604 min Scan# 6
Delta R.T. 0.025 min
Lab File: BN028903.D
Acq: 28 Nov 2023 14:36

Tgt Ion:276 Resp: 73

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 82.1 | 20.5 | 30.7# |
| 277 | 60.4 | 19.4 | 29.0# |




**Instrument :**
BNA_N
**ClientSampleId :**
C0AB2DL

**Manual Integrations**
**APPROVED**

Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 11/29/2023