Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101821\
Data File : BM032579.D
Acq On : 18 Oct 2021 18:35
Operator : CG/JU
Sample : M4181-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
C0B53

**Manual Integrations APPROVED**
mohammad
10/19/2021 12:11:01 PM

Quant Time: Oct 19 04:29:06 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM101421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 18 10:38:29 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.550 | 152 | 5493 | 0.40 | ng/ul | | 0.00 |
| 4) Naphthalene-d8 | 10.335 | 136 | 17838 | 0.40 | ng/ul | | 0.00 |
| 9) Acenaphthene-d10 | 14.209 | 164 | 9813 | 0.40 | ng/ul | | 0.00 |
| 13) Phenanthrene-d10 | 16.943 | 188 | 19352 | 0.40 | ng/ul | # | 0.00 |
| 17) Chrysene-d12 | 21.123 | 240 | 12802 | 0.40 | ng/ul | | 0.00 |
| 23) Perylene-d12 | 23.256 | 264 | 11534 | 0.40 | ng/ul | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 3) 1,4-Dioxane-d8 | 2.916 | 96 | 36459 | 5.92 | ng/ul | | 0.00 |
| 6) 2-Methylnaphthalene-d10 | 11.931 | 152 | 9688 | 0.41 | ng/ul | | 0.00 |
| 18) Fluoranthene-d10 | 18.969 | 212 | 19706 | 0.49 | ng/ul | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 5) Naphthalene | 10.384 | 128 | 4085 | 0.08 | ng/ul | # | 95 |
| 7) 2-Methylnaphthalene | 12.008 | 142 | 3168 | 0.09 | ng/ul | | 99 |
| 8) 1-Methylnaphthalene | 12.228 | 142 | 2552 | 0.07 | ng/ul | | 97 |
| 10) Acenaphthylene | 13.928 | 152 | 849 | 0.02 | ng/ul | # | 76 |
| 15) Phenanthrene | 16.984 | 178 | 4566 | 0.07 | ng/ul | | 96 |
| 19) Fluoranthene | 19.000 | 202 | 6712 | 0.11 | ng/ul | # | 94 |
| 20) Pyrene | 19.362 | 202 | 5998 | 0.09 | ng/ul | # | 94 |
| 21) Benzo(a)anthracene | 21.106 | 228 | 2716m | 0.05 | ng/ul | | |
| 22) Chrysene | 21.159 | 228 | 3376 | 0.06 | ng/ul | | 97 |
| 24) Benzo(b)fluoranthene | 22.626 | 252 | 3482m | 0.07 | ng/ul | | |
| 25) Benzo(k)fluoranthene | 22.663 | 252 | 1627m | 0.03 | ng/ul | | |
| 26) Benzo(a)pyrene | 23.164 | 252 | 2135 | 0.05 | ng/ul | # | 32 |
| 27) Indeno(1,2,3-cd)pyrene | 25.357 | 276 | 1691 | 0.03 | ng/ul | # | 91 |
| 29) Benzo(g,h,i)perylene | 25.999 | 276 | 1753 | 0.04 | ng/ul | # | 70 |

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

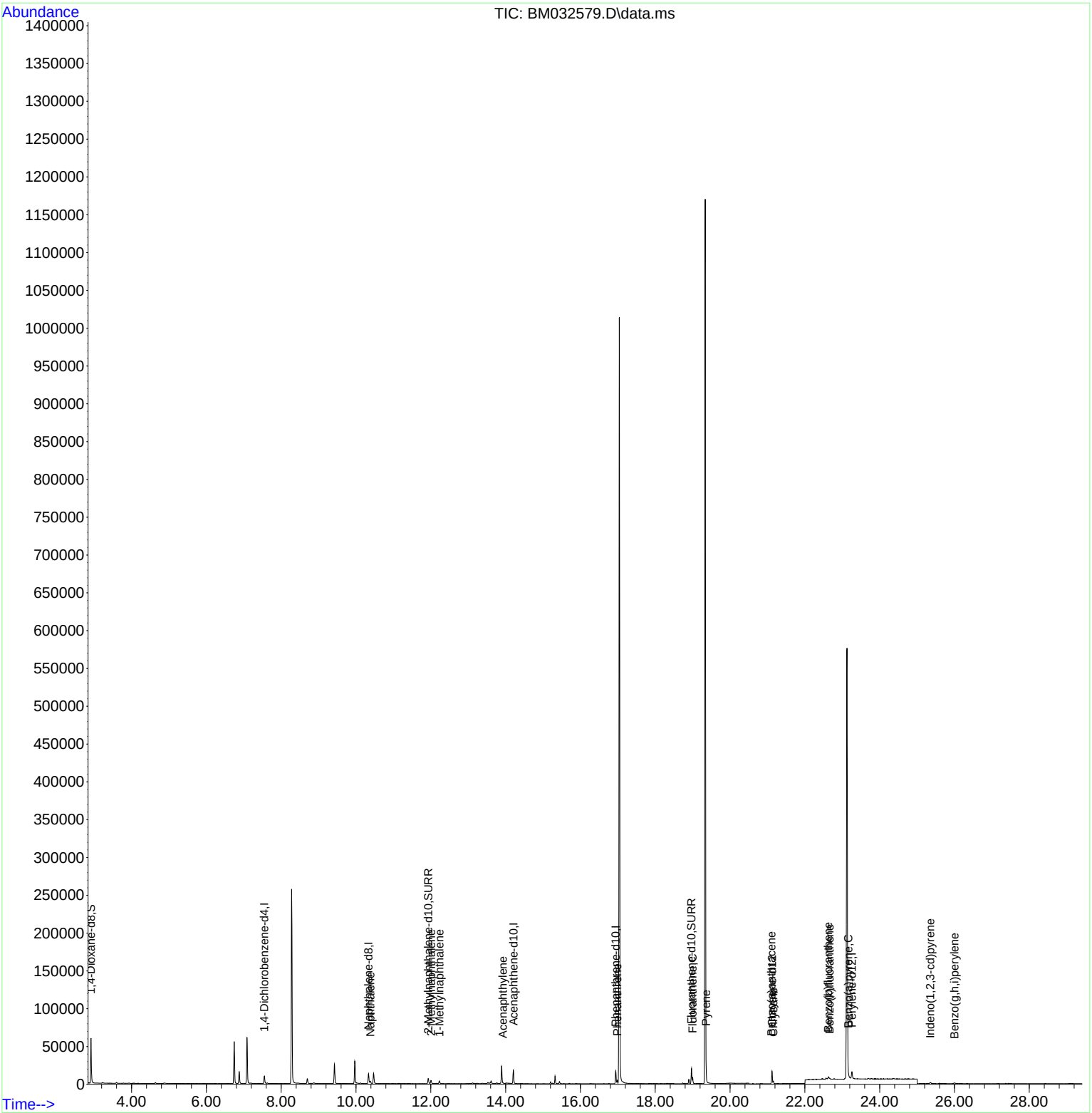
Quantitation Report (QT Reviewed)

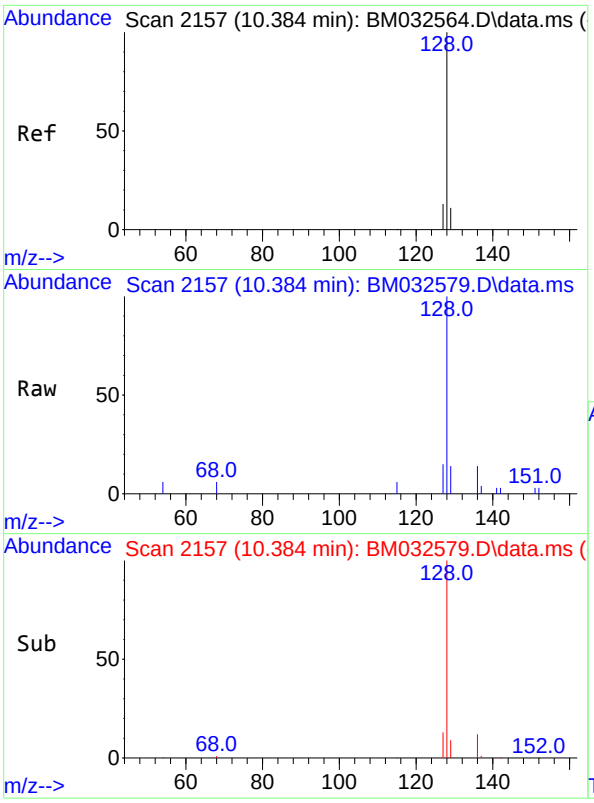
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101821\
Data File : BM032579.D
Acq On : 18 Oct 2021 18:35
Operator : CG/JU
Sample : M4181-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 19 04:29:06 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM101421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 18 10:38:29 2021
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
C0B53

**Manual Integrations APPROVED**
mohammad
10/19/2021 12:11:01 PM

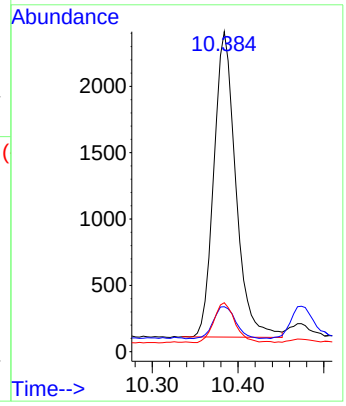


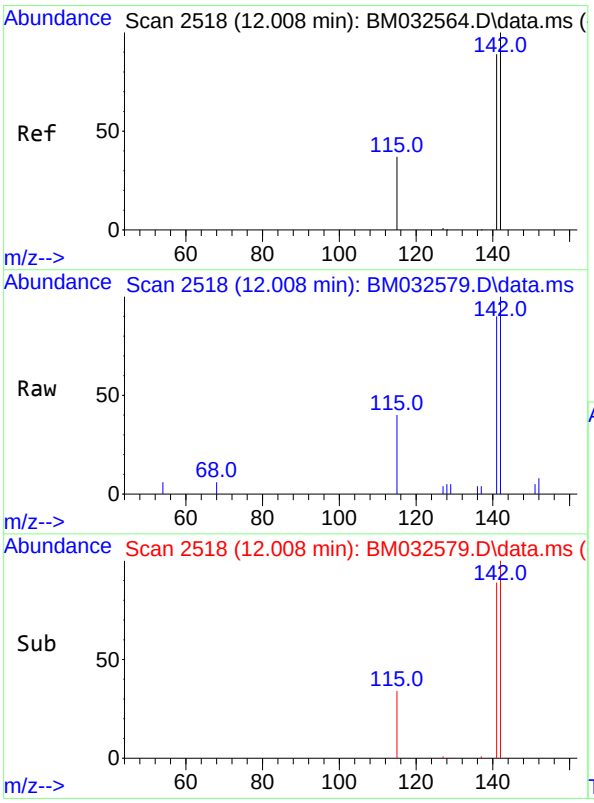



#5
Naphthalene
Concen: 0.08 ng/ul
RT: 10.384 min Scan# 2157
Delta R.T. -0.000 min
Lab File: BM032579.D
Acq: 18 Oct 2021 18:35

Tgt Ion:128 Resp: 4085

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 14.1 | 9.1 | 13.7# |
| 127 | 15.3 | 11.1 | 16.7 |

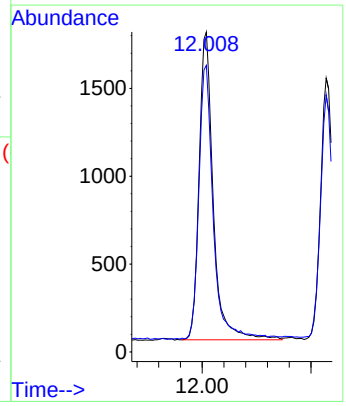



#7
2-Methylnaphthalene
Concen: 0.09 ng/ul
RT: 12.008 min Scan# 2518
Delta R.T. -0.000 min
Lab File: BM032579.D
Acq: 18 Oct 2021 18:35

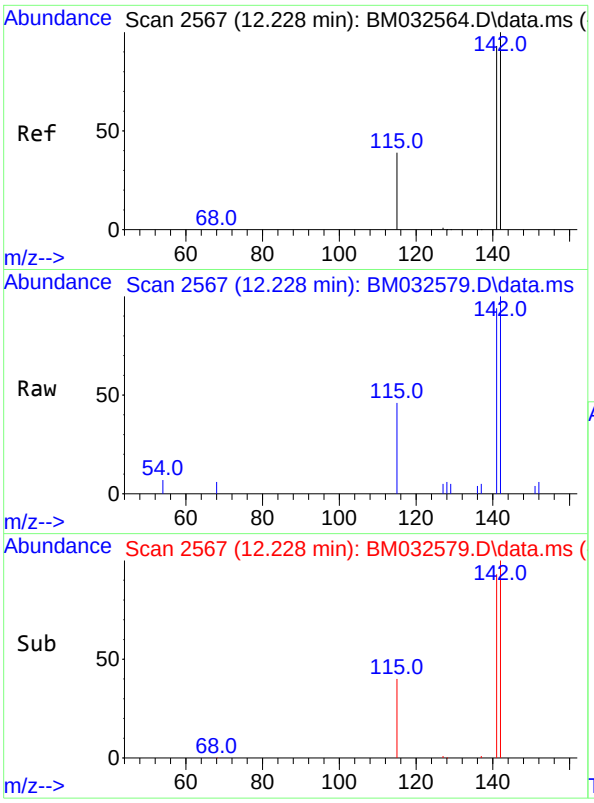
Tgt Ion:142 Resp: 3168

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.2 | 72.2 | 108.2 |




**Instrument :**
BNA_M
**ClientSampleId :**
C0B53

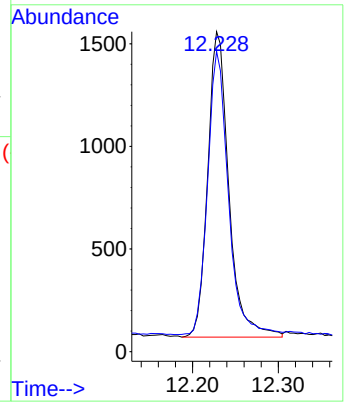
**Manual Integrations APPROVED**
mohammad
10/19/2021 12:11:01 PM




#8
1-Methylnaphthalene
Concen: 0.07 ng/ul
RT: 12.228 min Scan# 2567
Delta R.T. -0.000 min
Lab File: BM032579.D
Acq: 18 Oct 2021 18:35

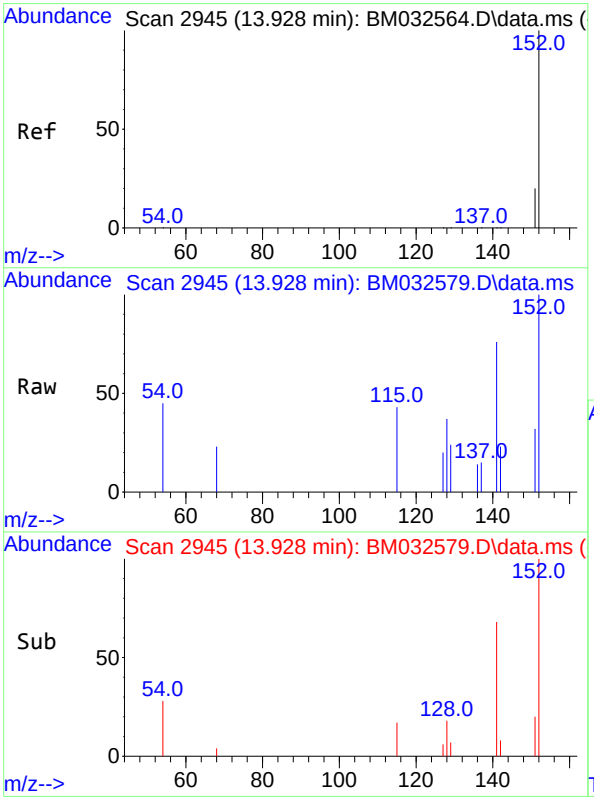
Tgt Ion:142 Resp: 2552

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.5 | 74.9 | 112.3 |




**Instrument :**
BNA_M
**ClientSampleId :**
C0B53

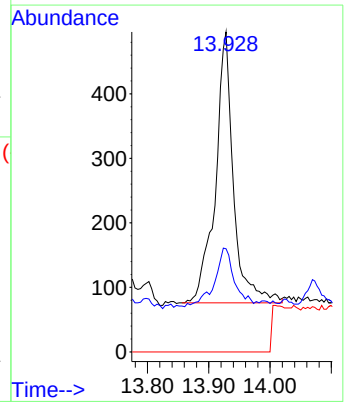
**Manual Integrations APPROVED**
mohammad
10/19/2021 12:11:01 PM

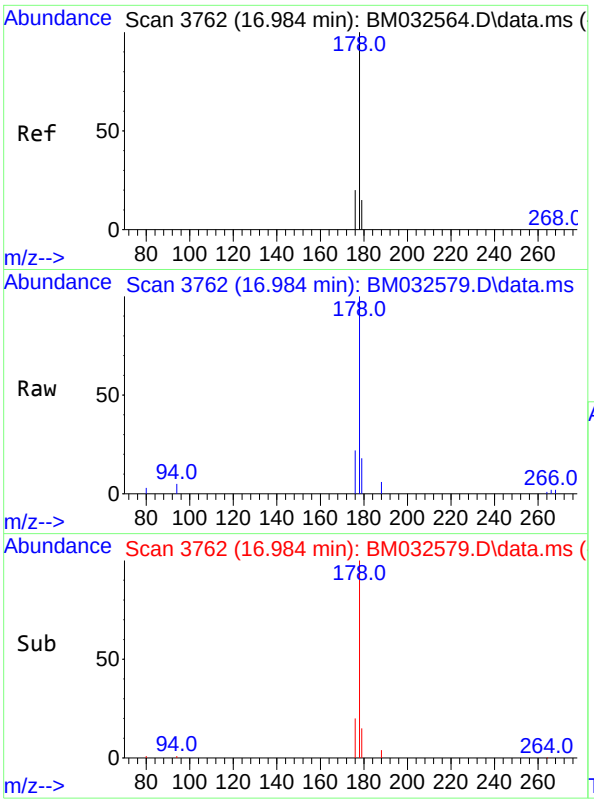



#10
Acenaphthylene
Concen: 0.02 ng/ul
RT: 13.928 min Scan# 2945
Delta R.T. -0.000 min
Lab File: BM032579.D
Acq: 18 Oct 2021 18:35

Tgt Ion:152 Resp: 849

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 32.3 | 16.7 | 25.1# |
| 153 | 0.0 | 0.0 | 0.0 |

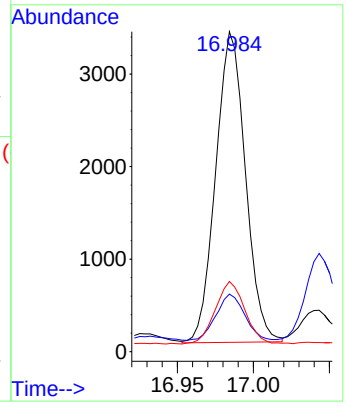





#15
Phenanthrene
Concen: 0.07 ng/ul
RT: 16.984 min Scan# 3762
Delta R.T. -0.000 min
Lab File: BM032579.D
Acq: 18 Oct 2021 18:35

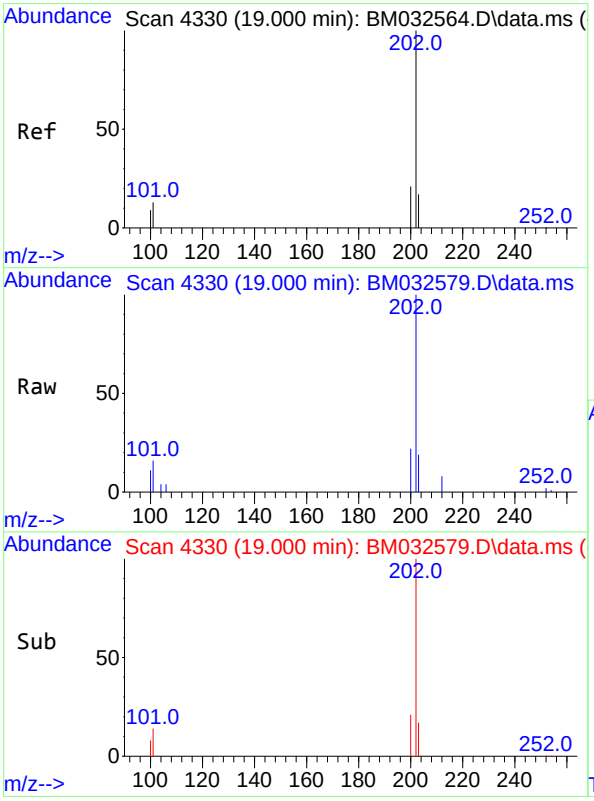
Tgt Ion:178 Resp: 4566

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 18.0 | 12.9 | 19.3 |
| 176 | 21.9 | 16.1 | 24.1 |




**Instrument :**
BNA_M
**ClientSampleId :**
C0B53

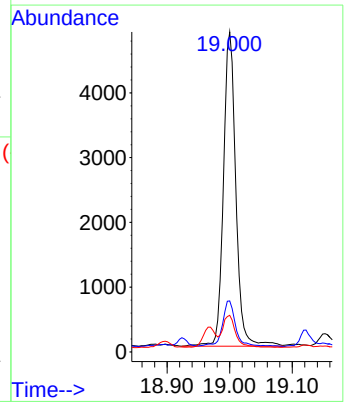
**Manual Integrations APPROVED**
mohammad
10/19/2021 12:11:01 PM

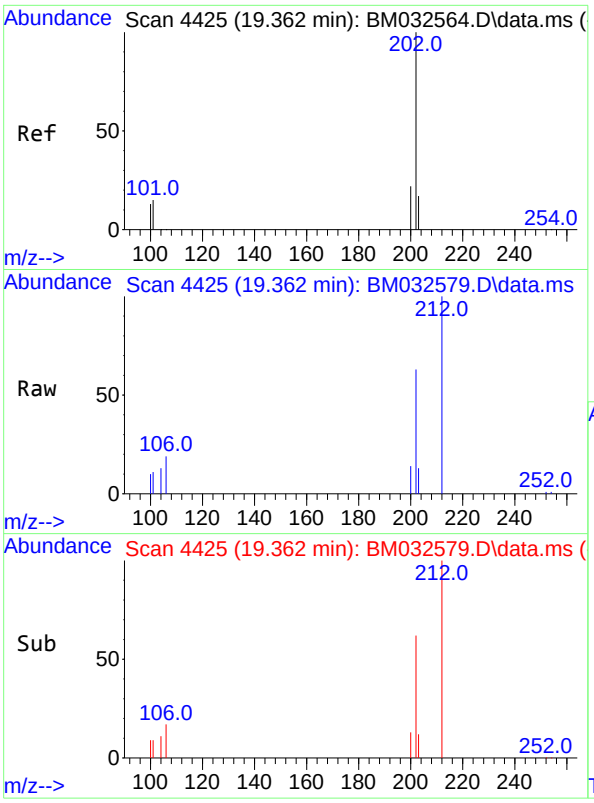



#19
Fluoranthene
Concen: 0.11 ng/ul
RT: 19.000 min Scan# 4330
Delta R.T. -0.000 min
Lab File: BM032579.D
Acq: 18 Oct 2021 18:35

Tgt Ion:202 Resp: 6712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 16.0 | 10.6 | 16.0# |
| 100 | 11.5 | 7.8 | 11.8 |

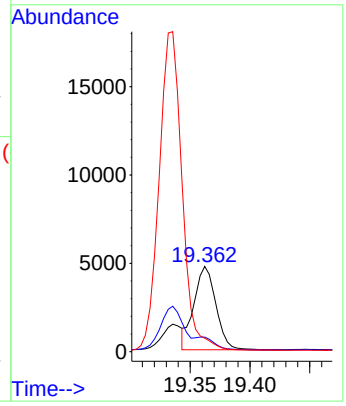





#20
Pyrene
Concen: 0.09 ng/ul
RT: 19.362 min Scan# 4425
Delta R.T. -0.000 min
Lab File: BM032579.D
Acq: 18 Oct 2021 18:35

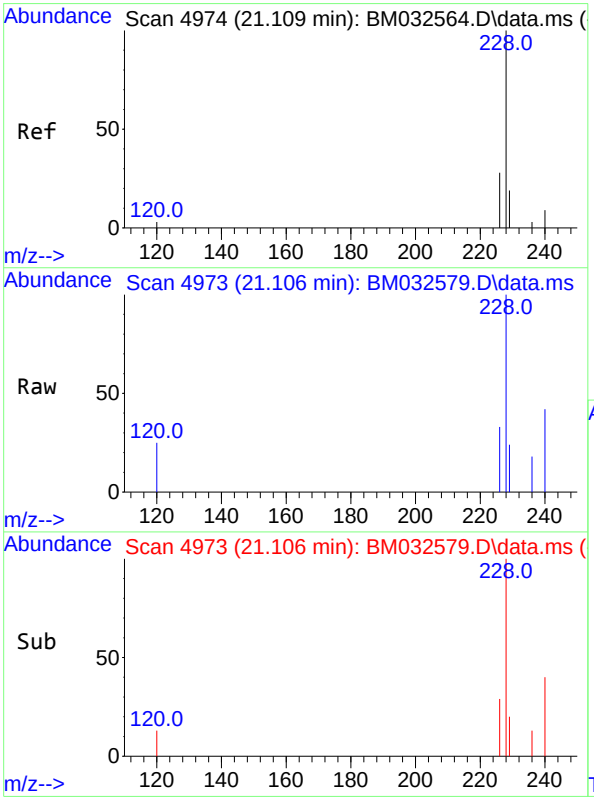
Tgt Ion:202 Resp: 5998

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 17.0 | 12.3 | 18.5 |
| 100 | 15.7 | 10.1 | 15.1# |




**Instrument :**
BNA_M
**ClientSampleId :**
C0B53

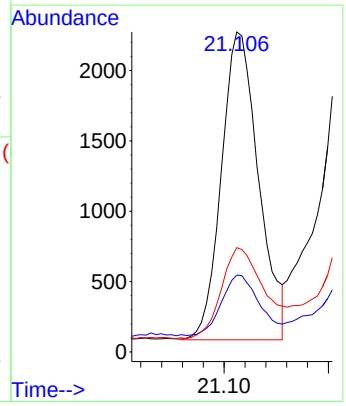
**Manual Integrations APPROVED**
mohammad
10/19/2021 12:11:01 PM




#21
Benzo(a)anthracene
Concen: 0.05 ng/ul m
RT: 21.106 min Scan# 4973
Delta R.T. -0.003 min
Lab File: BM032579.D
Acq: 18 Oct 2021 18:35

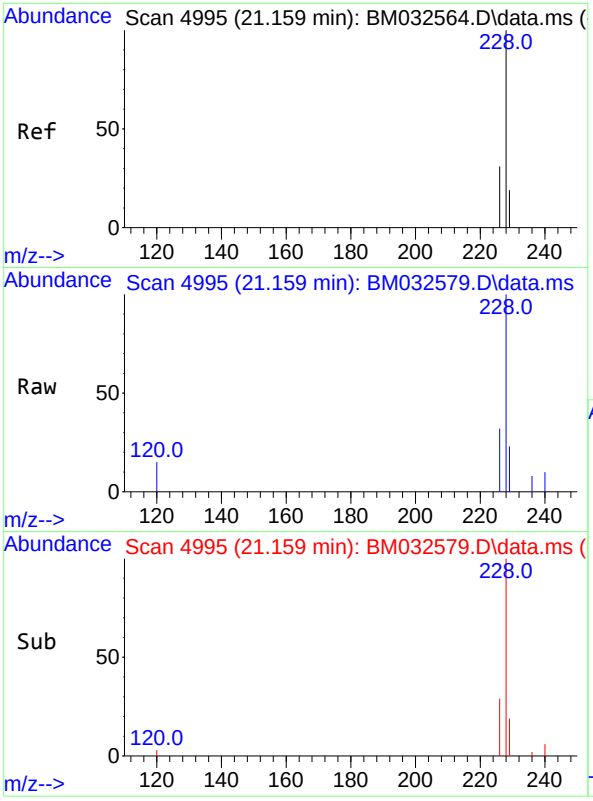
Tgt Ion:228 Resp: 2716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 24.0 | 15.9 | 23.9# |
| 226 | 32.6 | 22.4 | 33.6 |



**Instrument :**
BNA_M
**ClientSampleId :**
C0B53

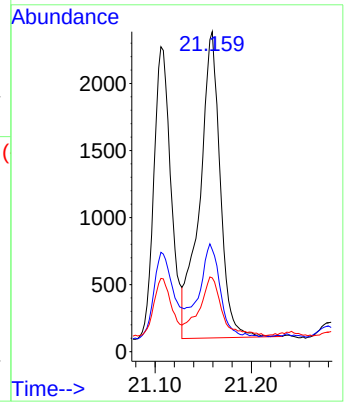
**Manual Integrations APPROVED**
mohammad
10/19/2021 12:11:01 PM

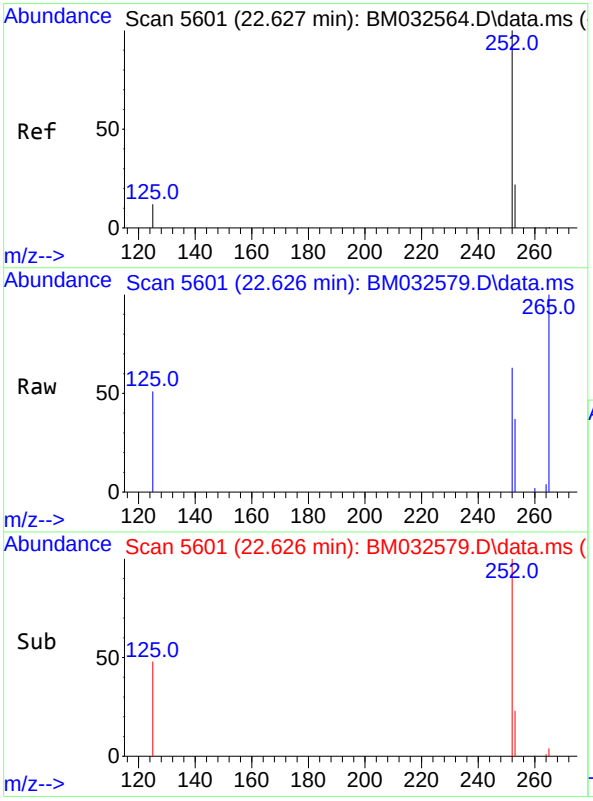



#22
Chrysene
Concen: 0.06 ng/ul
RT: 21.159 min Scan# 4995
Delta R.T. -0.000 min
Lab File: BM032579.D
Acq: 18 Oct 2021 18:35

Tgt Ion:228 Resp: 3376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.9 | 25.1 | 37.7 |
| 229 | 23.1 | 15.7 | 23.5 |

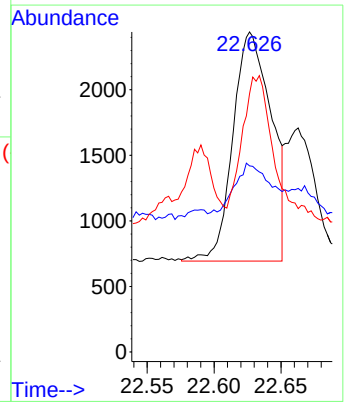


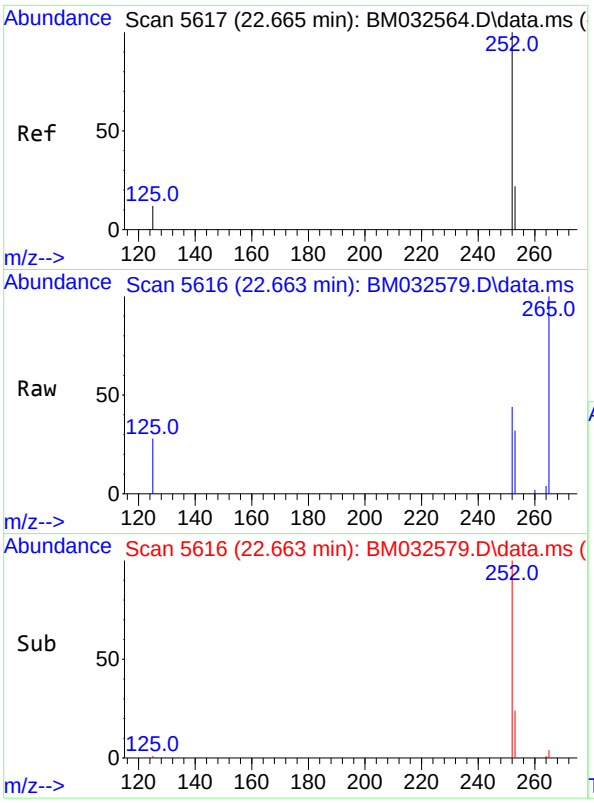




#24
Benzo(b)fluoranthene
Concen: 0.07 ng/ul m
RT: 22.626 min Scan# 5601
Delta R.T. -0.000 min
Lab File: BM032579.D
Acq: 18 Oct 2021 18:35

Tgt Ion:252 Resp: 3482

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 58.1 | 0.0 | 53.8# |
| 125 | 80.7 | 0.0 | 35.6# |

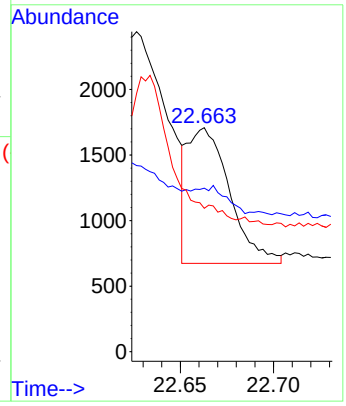





#25
Benzo(k)fluoranthene
Concen: 0.03 ng/ul m
RT: 22.663 min Scan# 5616
Delta R.T. -0.003 min
Lab File: BM032579.D
Acq: 18 Oct 2021 18:35

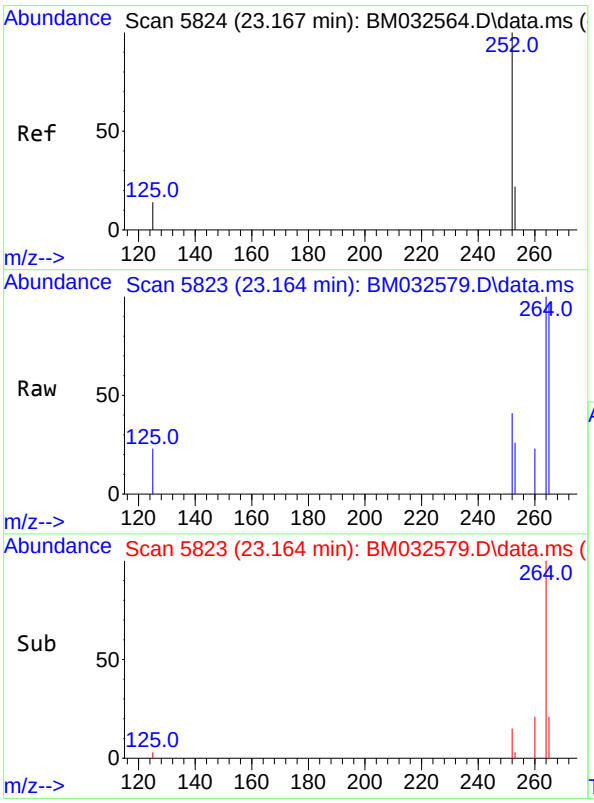
Tgt Ion:252 Resp: 1627

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 73.0 | 21.8 | 32.6# |
| 125 | 64.0 | 14.4 | 21.6# |




**Instrument :**
BNA_M
**ClientSampleId :**
C0B53

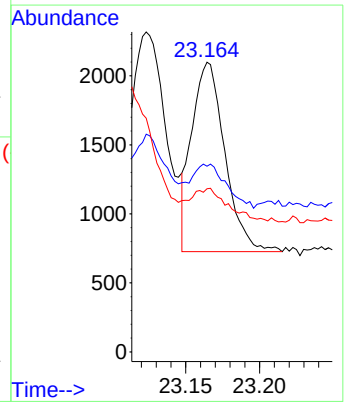
**Manual Integrations APPROVED**
mohammad
10/19/2021 12:11:01 PM

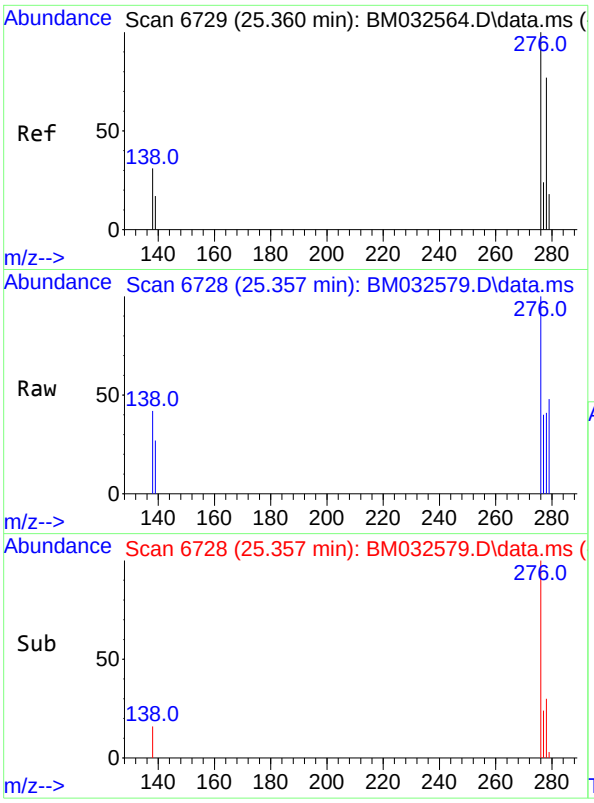



#26
Benzo(a)pyrene
Concen: 0.05 ng/ul
RT: 23.164 min Scan# 5823
Delta R.T. -0.003 min
Lab File: BM032579.D
Acq: 18 Oct 2021 18:35

Tgt Ion:252 Resp: 2135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 64.1 | 23.6 | 35.4# |
| 125 | 56.3 | 17.1 | 25.7# |

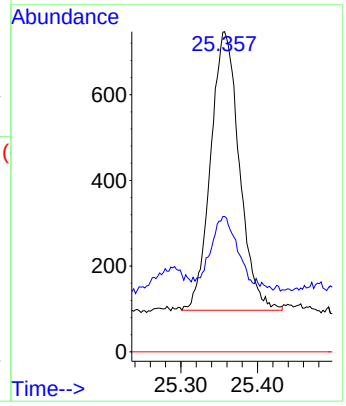


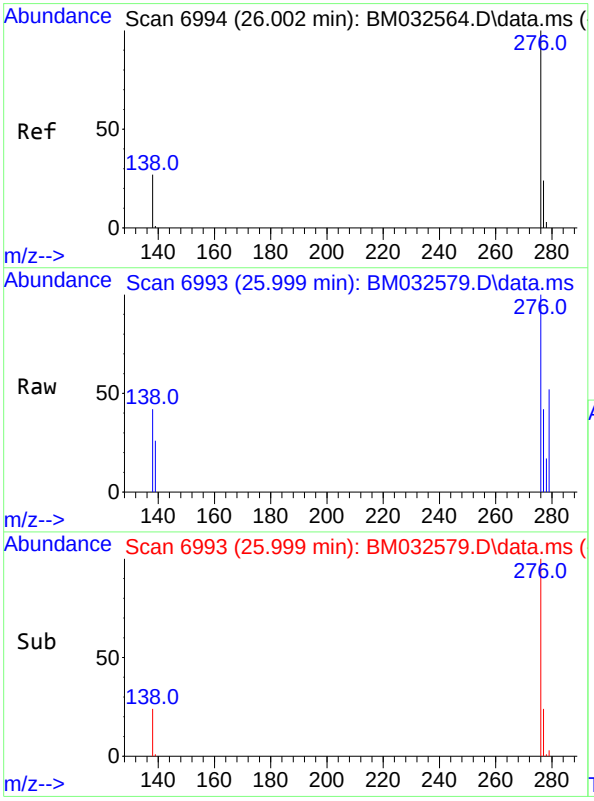



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.03 ng/ul
RT: 25.357 min Scan# 6728
Delta R.T. -0.003 min
Lab File: BM032579.D
Acq: 18 Oct 2021 18:35

Tgt Ion:276 Resp: 1691

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 26.4 | 24.9 | 37.3 |
| 227 | 0.0 | 0.0 | 0.0 |

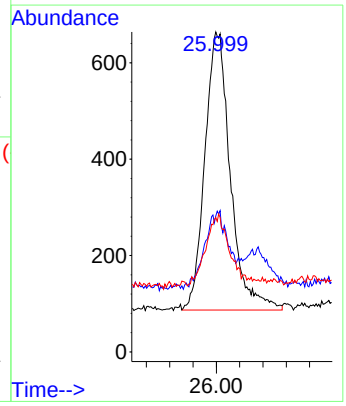



#29
Benzo(g,h,i)perylene
Concen: 0.04 ng/ul
RT: 25.999 min Scan# 6993
Delta R.T. -0.003 min
Lab File: BM032579.D
Acq: 18 Oct 2021 18:35

Tgt Ion:276 Resp: 1753

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 42.5 | 22.6 | 33.8# |
| 277 | 42.0 | 19.9 | 29.9# |




**Instrument :**
BNA_M
**ClientSampleId :**
C0B53

**Manual Integrations APPROVED**
mohammad
10/19/2021 12:11:01 PM