Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081519\
Data File : BM022175.D
Acq On : 16 Aug 2019 18:13
Operator : HP/JU
Sample : K4242-08DL 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AF7DL

Manual Integrations APPROVED
mohammad
8/19/2019 5:32:14 PM

Quant Time: Aug 19 14:58:03 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 19 04:47:53 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.60 | 152 | 828 | 0.40 | ng/ul | 0.00 |
| 2) Naphthalene-d8 | 10.38 | 136 | 3412 | 0.40 | ng/ul | 0.00 |
| 6) Acenaphthene-d10 | 14.25 | 164 | 2057 | 0.40 | ng/ul | 0.00 |
| 10) Phenanthrene-d10 | 17.01 | 188 | 4684m | 0.40 | ng/ul | 0.00 |
| 16) Chrysene-d12 | 21.22 | 240 | 6735m | 0.40 | ng/ul | 0.00 |
| 20) Perylene-d12 | 23.44 | 264 | 7358m | 0.40 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Methylnaphthalene-d10 | 11.98 | 152 | 184 | 0.03 | ng/ul | 0.00 |
| 14) Fluoranthene-d10 | 19.05 | 212 | 588m | 0.04 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 3) Naphthalene | 10.42 | 128 | 1709 | 0.177 | ng/ul# | 65 |
| 5) 2-Methylnaphthalene | 12.05 | 142 | 1009 | 0.157 | ng/ul | 89 |
| 7) Acenaphthylene | 13.98 | 152 | 1059 | 0.110 | ng/ul# | 70 |
| 8) Acenaphthene | 14.32 | 153 | 190 | 0.024 | ng/ul# | 77 |
| 9) Fluorene | 15.31 | 166 | 242 | 0.028 | ng/ul# | 44 |
| 12) Phenanthrene | 17.06 | 178 | 2799m | 0.205 | ng/ul | |
| 13) Anthracene | 17.15 | 178 | 994m | 0.085 | ng/ul | |
| 15) Fluoranthene | 19.08 | 202 | 10054m | 0.551 | ng/ul | |
| 17) Pyrene | 19.45 | 202 | 12578 | 0.454 | ng/ul# | 92 |
| 18) Benzo(a)anthracene | 21.21 | 228 | 7418m | 0.308 | ng/ul | |
| 19) Chrysene | 21.26 | 228 | 8188m | 0.264 | ng/ul | |
| 21) Benzo(b)fluoranthene | 22.78 | 252 | 17651m | 0.711 | ng/ul | |
| 22) Benzo(k)fluoranthene | 22.82 | 252 | 5540m | 0.197 | ng/ul | |
| 23) Benzo(a)pyrene | 23.35 | 252 | 13147m | 0.521 | ng/ul | |
| 24) Indeno(1,2,3-cd)pyrene | 25.66 | 276 | 9924 | 0.329 | ng/ul# | 94 |
| 25) Dibenzo(a,h)anthracene | 25.66 | 278 | 2619m | 0.108 | ng/ul | |
| 26) Benzo(g,h,i)perylene | 26.34 | 276 | 10806 | 0.398 | ng/ul# | 51 |

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

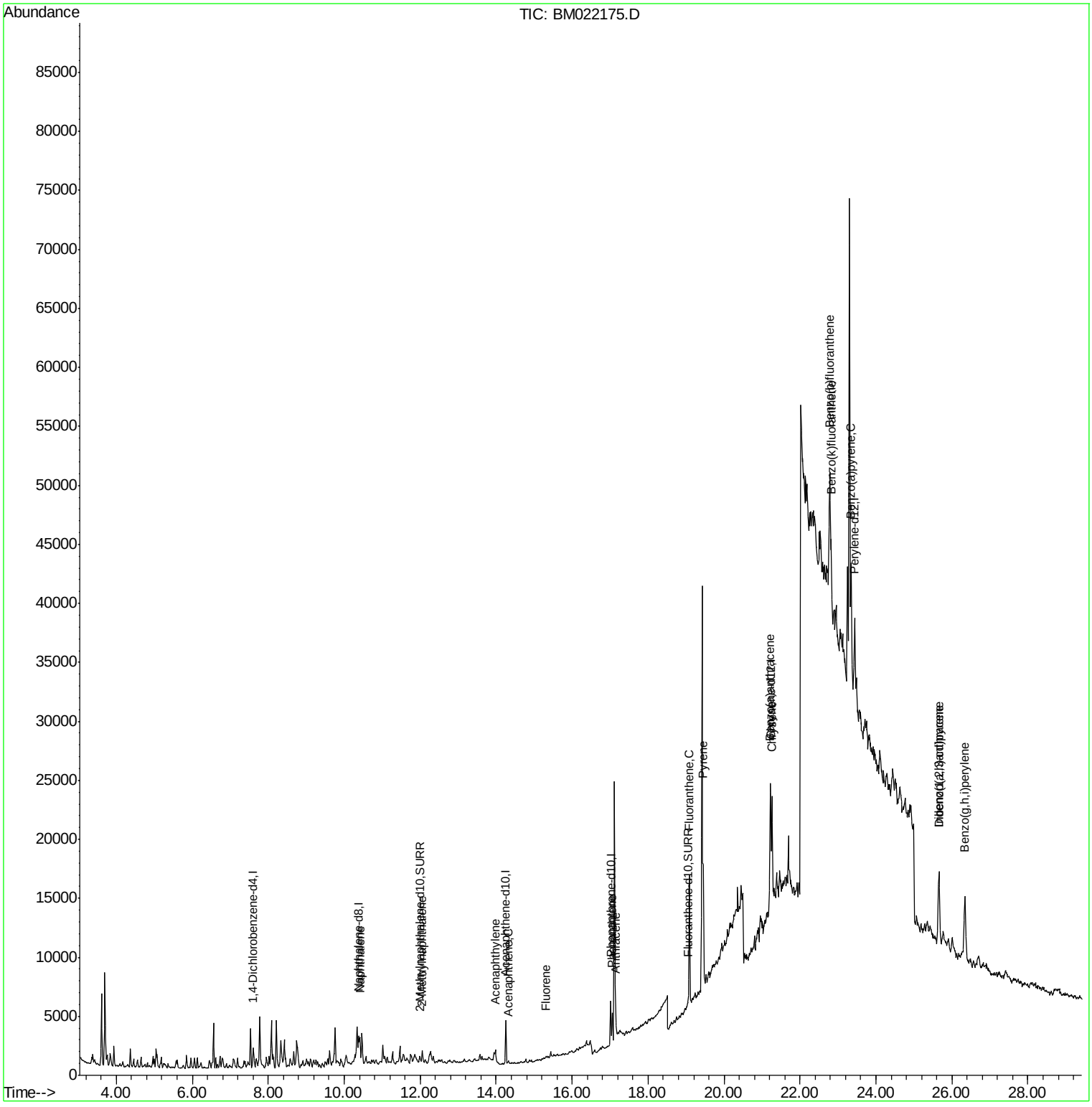
Quantitation Report (QT Reviewed)

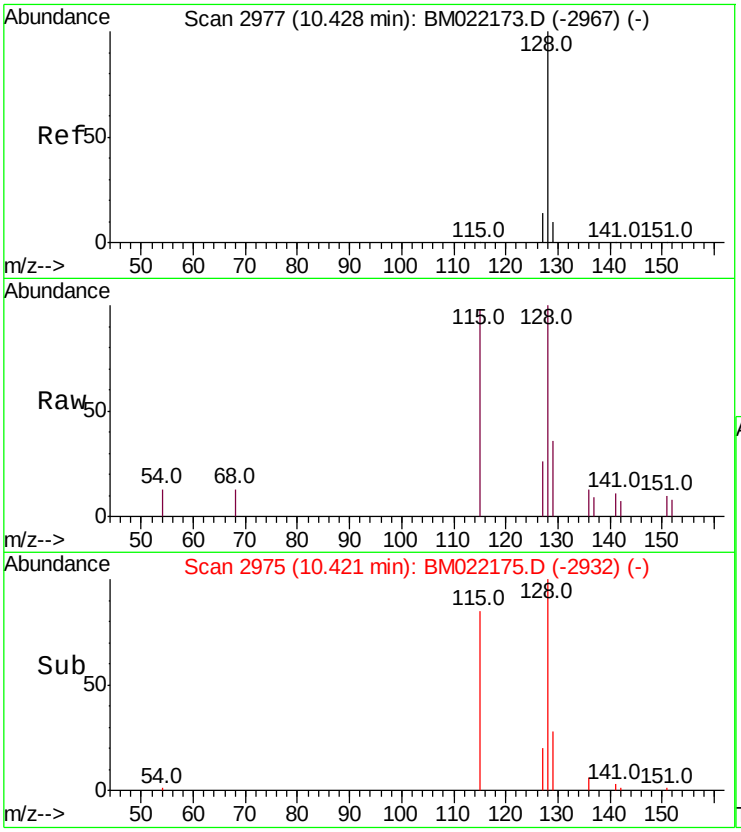
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081519\
Data File : BM022175.D
Acq On : 16 Aug 2019 18:13
Operator : HP/JU
Sample : K4242-08DL 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 19 14:58:03 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 19 04:47:53 2019
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
C0AF7DL

**Manual Integrations APPROVED**
mohammad
8/19/2019 5:32:14 PM





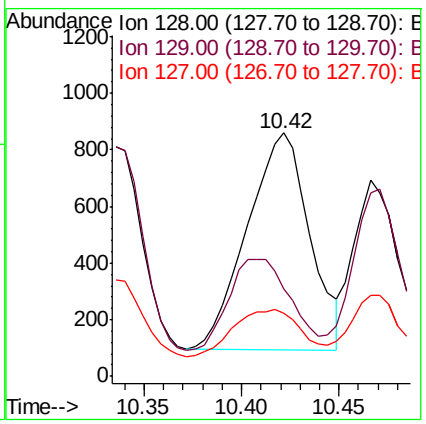

#3
Naphthalene
Concen: 0.177 ng/ul
RT: 10.42 min Scan# 2975
Delta R.T. -0.01 min
Lab File: BM022175.D
Acq: 16 Aug 2019 18:13

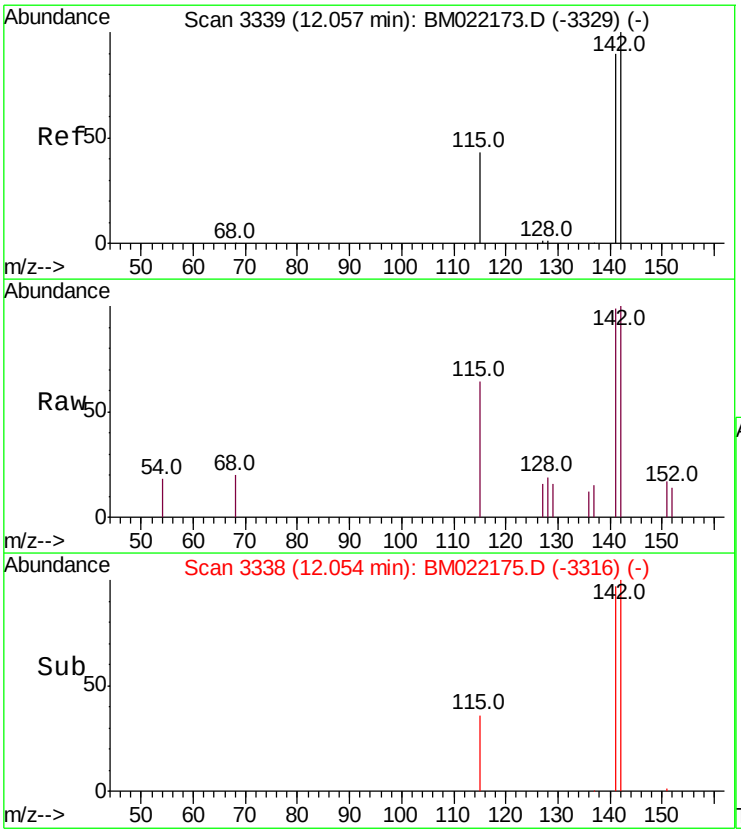
Tgt Ion:128 Resp: 1709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 36.0 | 12.3 | 18.5# |
| 127 | 25.8 | 13.0 | 19.6# |

**Instrument :**
BNA_M
**ClientSampleId :**
C0AF7DL

**Manual Integrations APPROVED**
mohammad
8/19/2019 5:32:14 PM

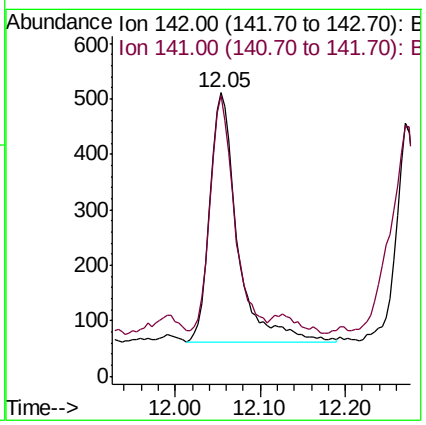


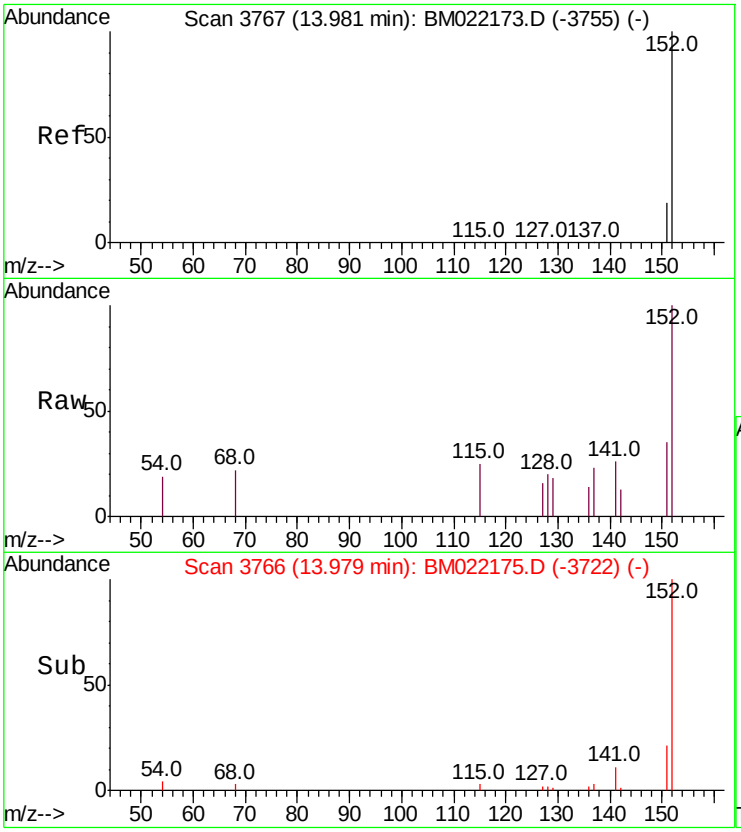




#5
2-Methylnaphthalene
Concen: 0.157 ng/ul
RT: 12.05 min Scan# 3338
Delta R.T. -0.00 min
Lab File: BM022175.D
Acq: 16 Aug 2019 18:13

Tgt Ion:142 Resp: 1009

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 82.5 | 74.3 | 111.5 |





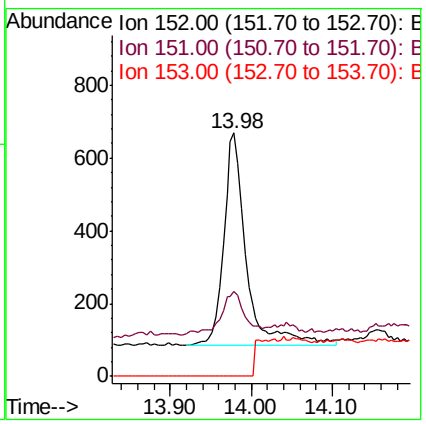

#7
Acenaphthylene
Concen: 0.110 ng/ul
RT: 13.98 min Scan# 3766
Delta R.T. -0.00 min
Lab File: BM022175.D
Acq: 16 Aug 2019 18:13

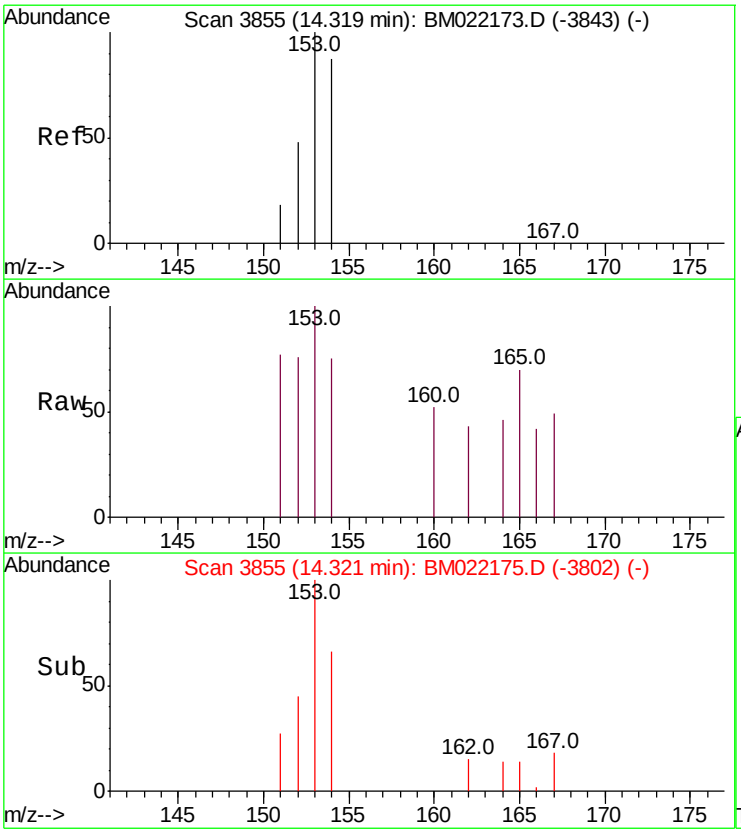
Tgt Ion:152 Resp: 1059

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 35.1 | 18.3 | 27.5# |
| 153 | 0.0 | 12.8 | 19.2# |

**Instrument :**
BNA_M
**ClientSampleId :**
C0AF7DL

**Manual Integrations APPROVED**
mohammad
8/19/2019 5:32:14 PM

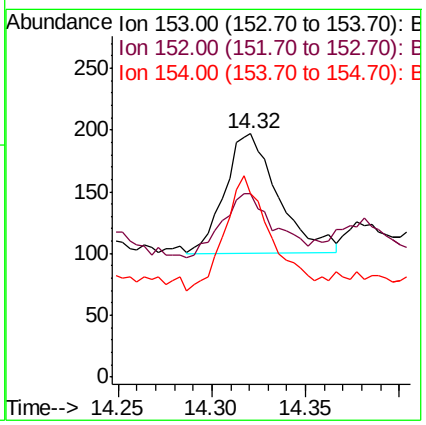


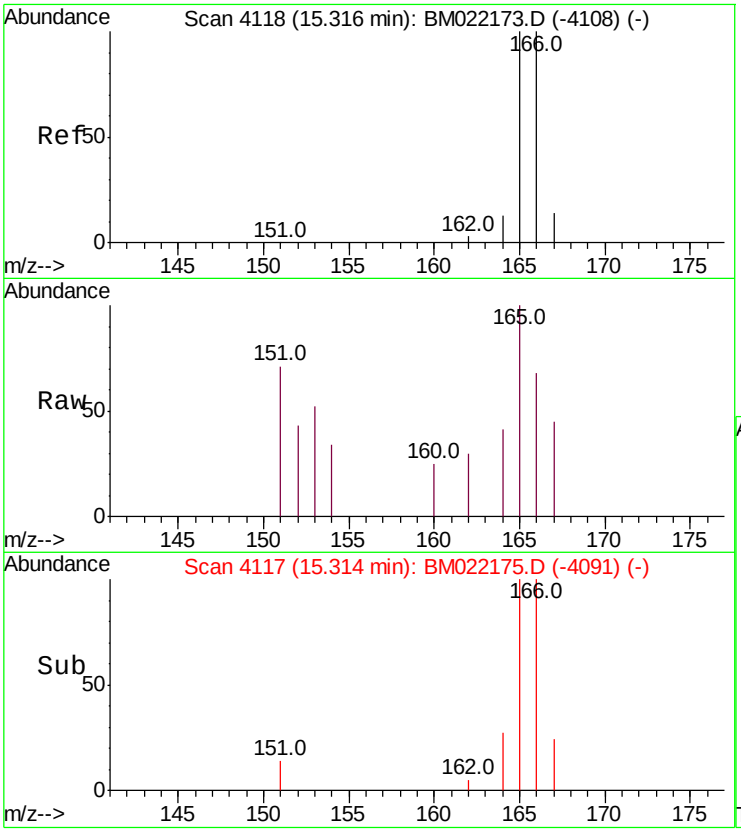




#8
Acenaphthene
Concen: 0.024 ng/ul
RT: 14.32 min Scan# 3855
Delta R.T. 0.00 min
Lab File: BM022175.D
Acq: 16 Aug 2019 18:13

Tgt Ion:153 Resp: 190

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 75.6 | 41.3 | 61.9# |
| 154 | 75.1 | 72.3 | 108.5 |

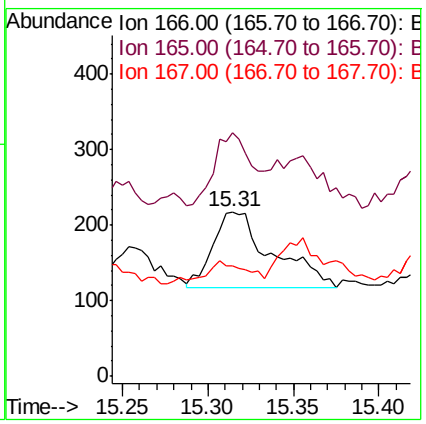





#9
Fluorene
Concen: 0.028 ng/ul
RT: 15.31 min Scan# 4117
Delta R.T. -0.00 min
Lab File: BM022175.D
Acq: 16 Aug 2019 18:13

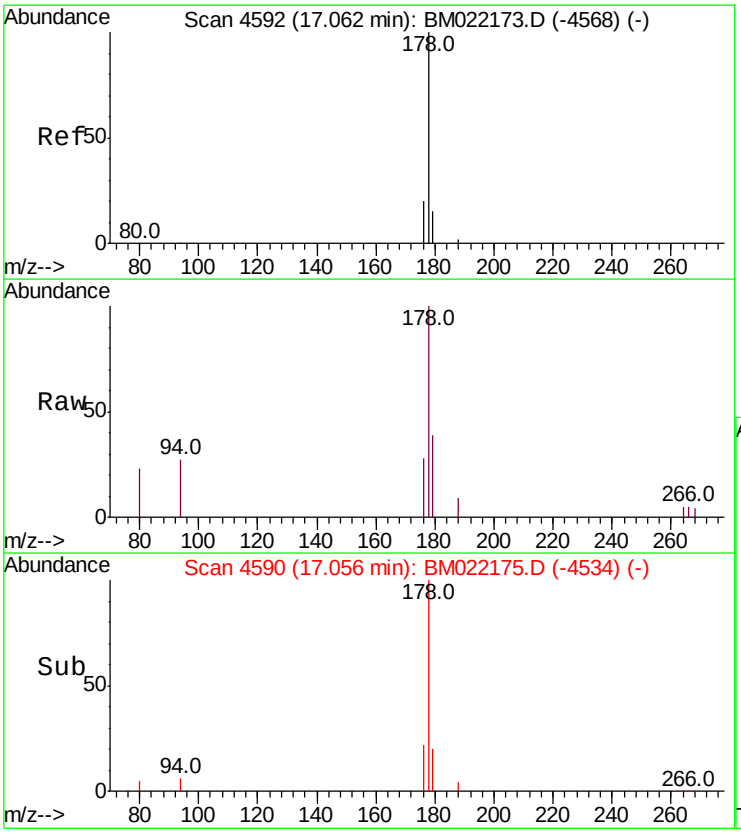
Tgt Ion:166 Resp: 242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 147.7 | 81.4 | 122.0# |
| 167 | 67.0 | 13.7 | 20.5# |




**Instrument :**
BNA_M
**ClientSampleId :**
C0AF7DL

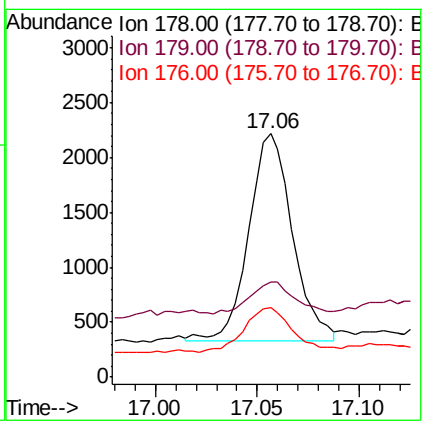
**Manual Integrations APPROVED**
mohammad
8/19/2019 5:32:14 PM

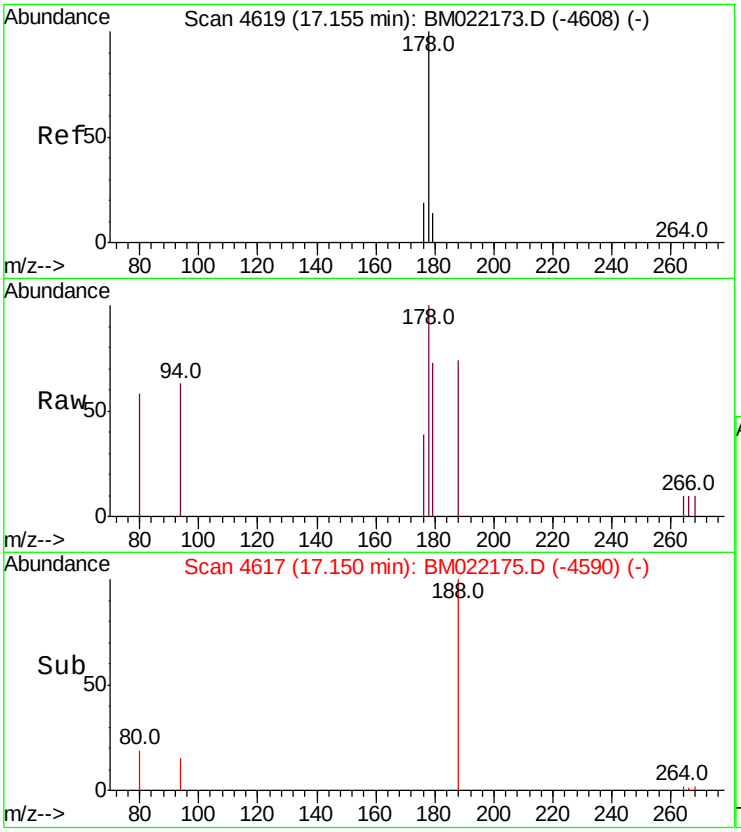



#12
Phenanthrene
Concen: 0.205 ng/ul m
RT: 17.06 min Scan# 4590
Delta R.T. -0.01 min
Lab File: BM022175.D
Acq: 16 Aug 2019 18:13

Tgt Ion:178 Resp: 2799

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 39.1 | 14.2 | 21.2# |
| 176 | 28.5 | 16.8 | 25.2# |

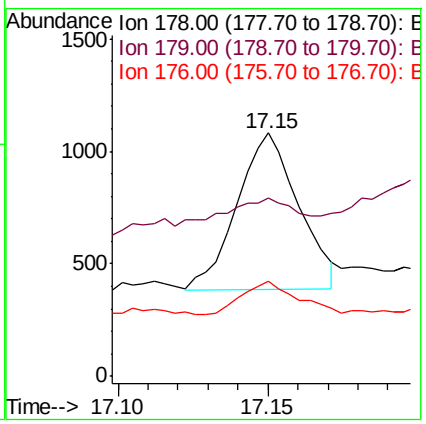





#13
Anthracene
Concen: 0.085 ng/ul m
RT: 17.15 min Scan# 4617
Delta R.T. -0.01 min
Lab File: BM022175.D
Acq: 16 Aug 2019 18:13

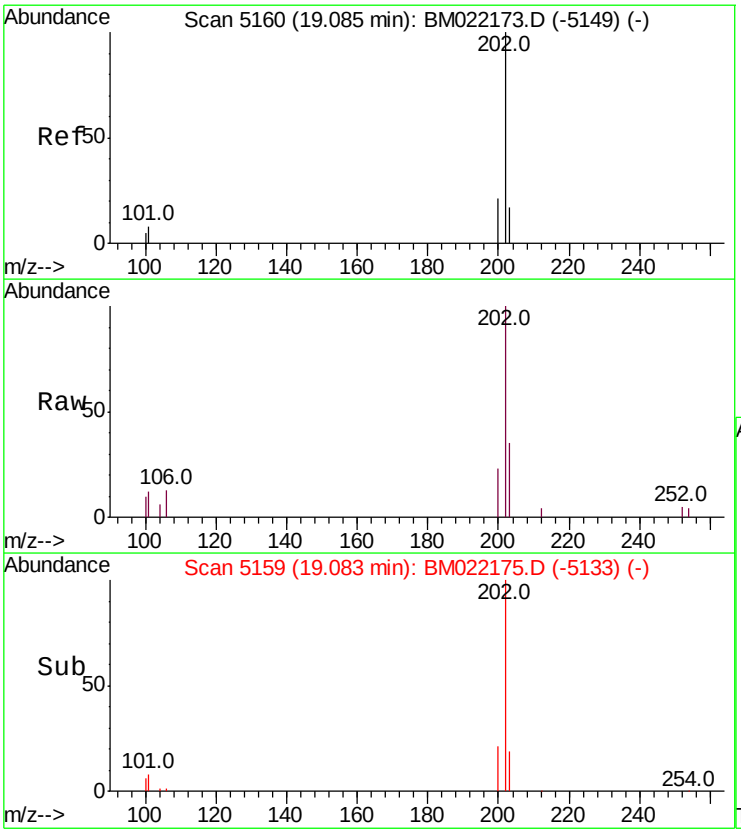
Tgt Ion:178 Resp: 994

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 73.3 | 15.5 | 23.3# |
| 176 | 39.1 | 16.6 | 25.0# |




**Instrument :**
BNA_M
**ClientSampleId :**
C0AF7DL

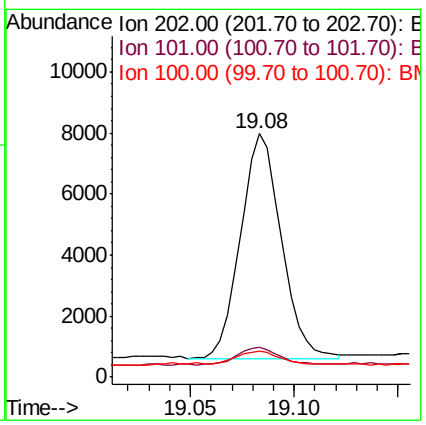
**Manual Integrations APPROVED**
mohammad
8/19/2019 5:32:14 PM

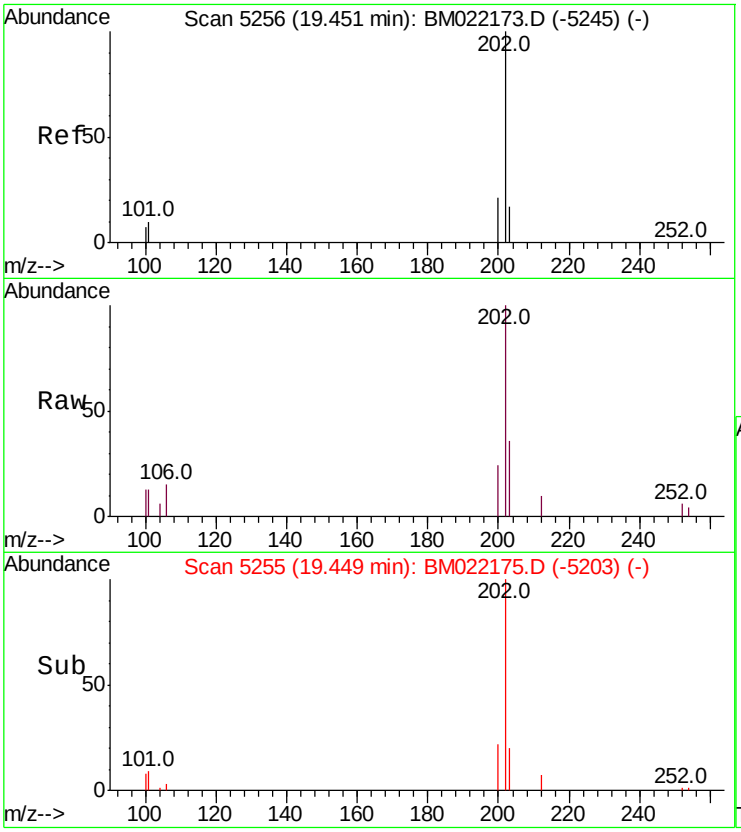



#15
Fluoranthene
Concen: 0.551 ng/ul m
RT: 19.08 min Scan# 5159
Delta R.T. -0.00 min
Lab File: BM022175.D
Acq: 16 Aug 2019 18:13

Tgt Ion:202 Resp: 10054

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.2 | 0.0 | 30.2 |
| 100 | 10.4 | 0.0 | 28.1 |





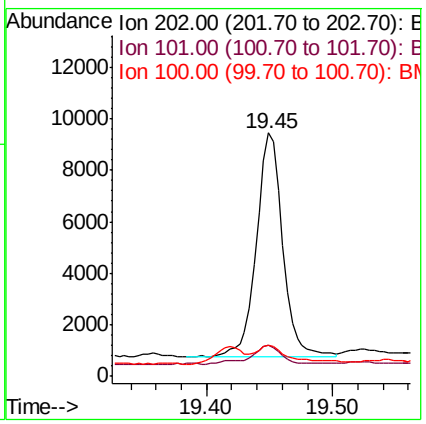

#17
Pyrene
Concen: 0.454 ng/ul
RT: 19.45 min Scan# 5255
Delta R.T. -0.00 min
Lab File: BM022175.D
Acq: 16 Aug 2019 18:13

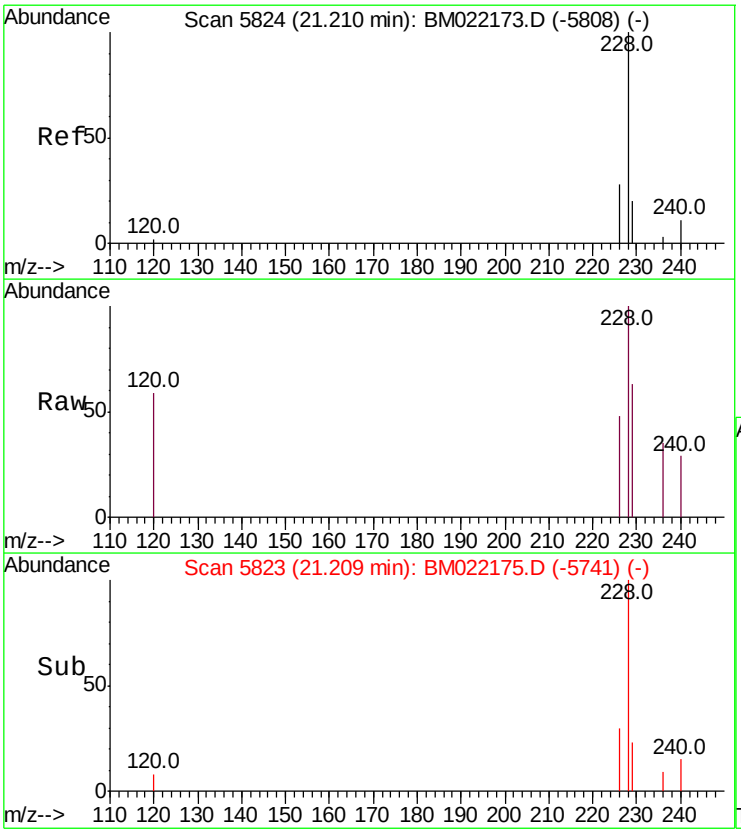
Tgt Ion:202 Resp: 12578

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.6 | 8.3 | 12.5# |
| 100 | 12.8 | 7.2 | 10.8# |

**Instrument :**
BNA_M
**ClientSampleId :**
C0AF7DL

**Manual Integrations APPROVED**
mohammad
8/19/2019 5:32:14 PM

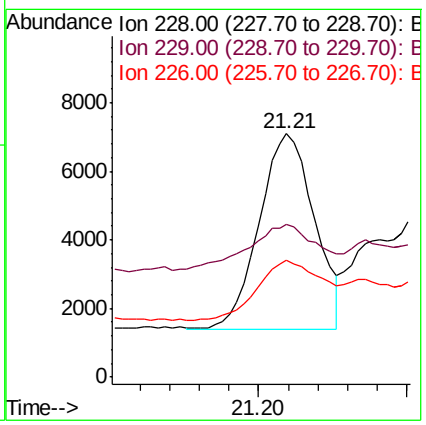


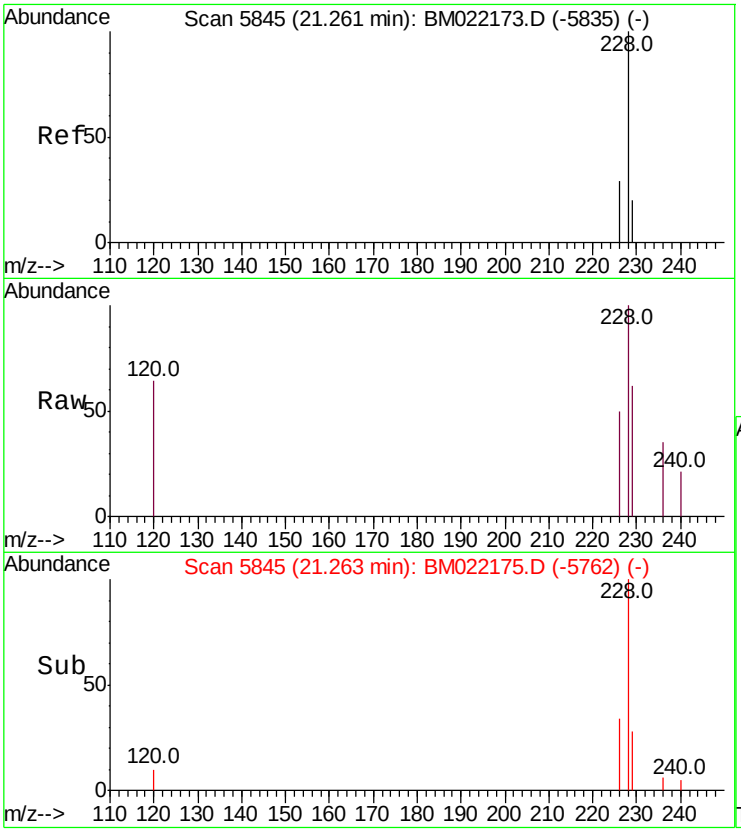




#18
Benzo(a)anthracene
Concen: 0.308 ng/ul m
RT: 21.21 min Scan# 5823
Delta R.T. -0.00 min
Lab File: BM022175.D
Acq: 16 Aug 2019 18:13

Tgt Ion:228 Resp: 7418

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 62.6 | 17.2 | 25.8# |
| 226 | 47.8 | 22.6 | 34.0# |





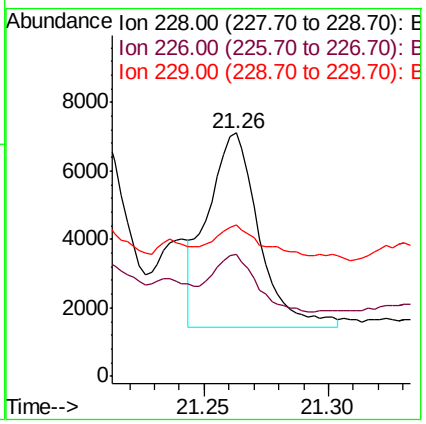

#19
Chrysene
Concen: 0.264 ng/ul m
RT: 21.26 min Scan# 5845
Delta R.T. 0.00 min
Lab File: BM022175.D
Acq: 16 Aug 2019 18:13

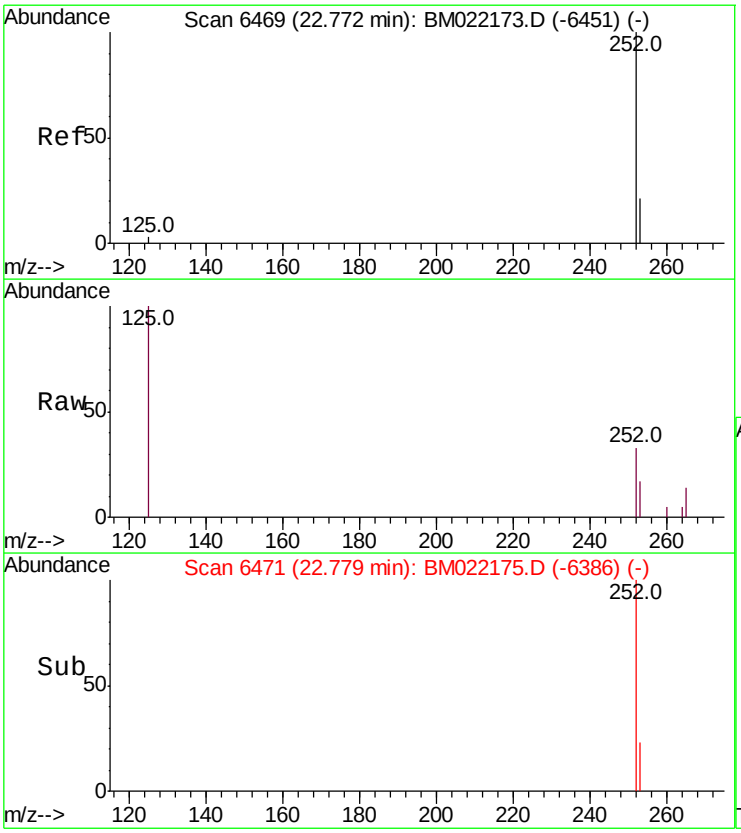
Tgt Ion:228 Resp: 8188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 50.2 | 24.9 | 37.3# |
| 229 | 62.4 | 16.6 | 25.0# |

**Instrument :**
BNA_M
**ClientSampleId :**
C0AF7DL

**Manual Integrations APPROVED**
mohammad
8/19/2019 5:32:14 PM

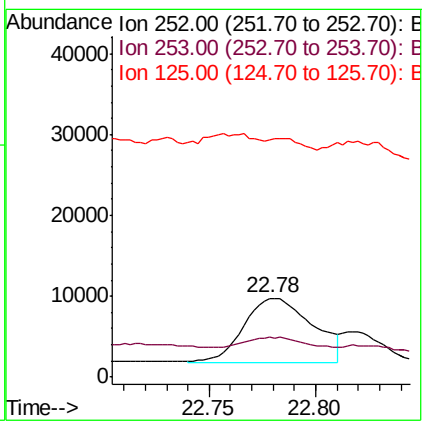


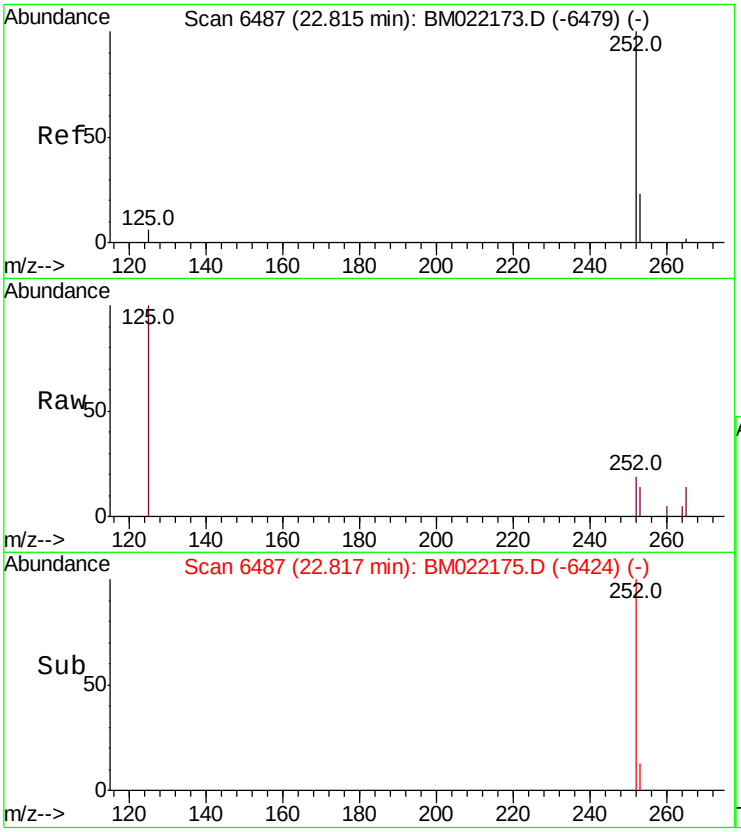




#21
Benzo(b)fluoranthene
Concen: 0.711 ng/ul m
RT: 22.78 min Scan# 6471
Delta R.T. 0.01 min
Lab File: BM022175.D
Acq: 16 Aug 2019 18:13

Tgt Ion:252 Resp: 17651

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 50.6 | 0.0 | 67.4 |
| 125 | 299.5 | 0.0 | 31.0# |

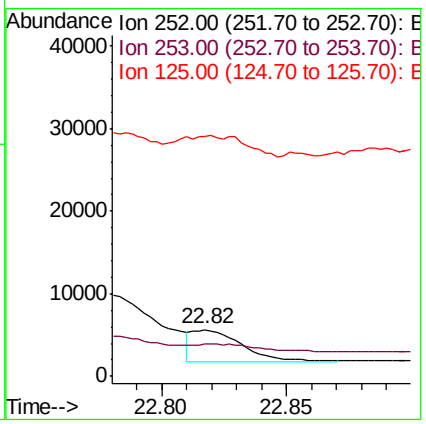





#22
Benzo(k)fluoranthene
Concen: 0.197 ng/ul m
RT: 22.82 min Scan# 6487
Delta R.T. 0.00 min
Lab File: BM022175.D
Acq: 16 Aug 2019 18:13

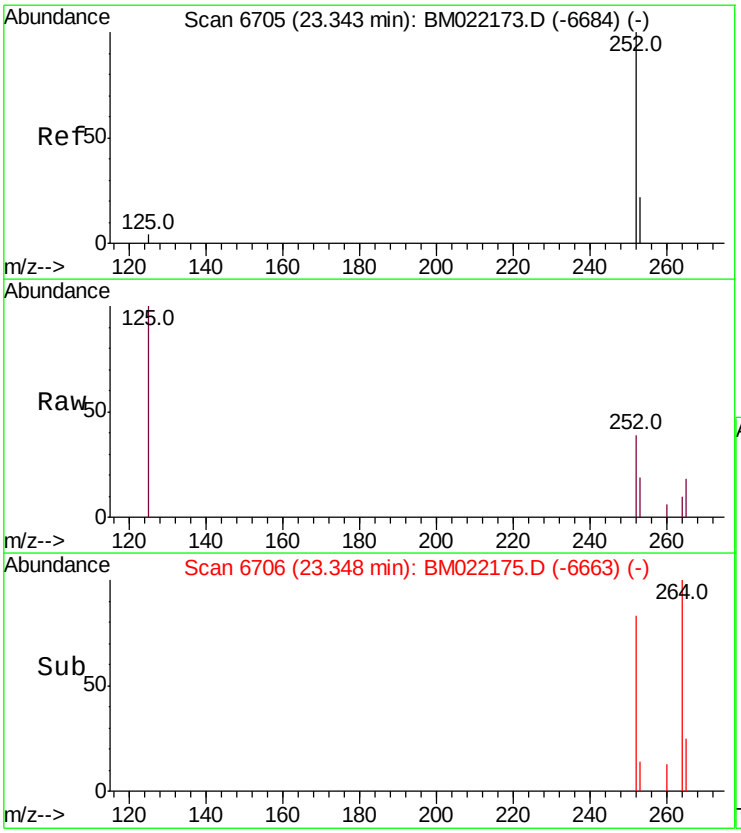
Tgt Ion:252 Resp: 5540

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 70.1 | 27.0 | 40.4# |
| 125 | 515.0 | 12.2 | 18.2# |




**Instrument :**
BNA_M
**ClientSampleId :**
C0AF7DL

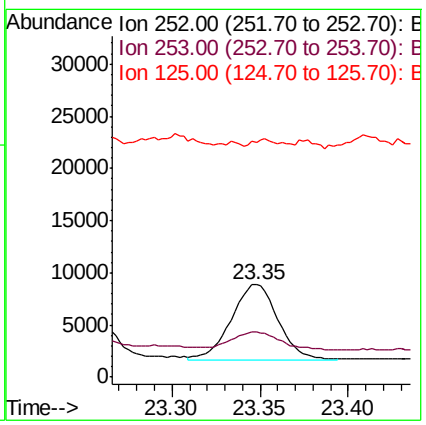
**Manual Integrations APPROVED**
mohammad
8/19/2019 5:32:14 PM

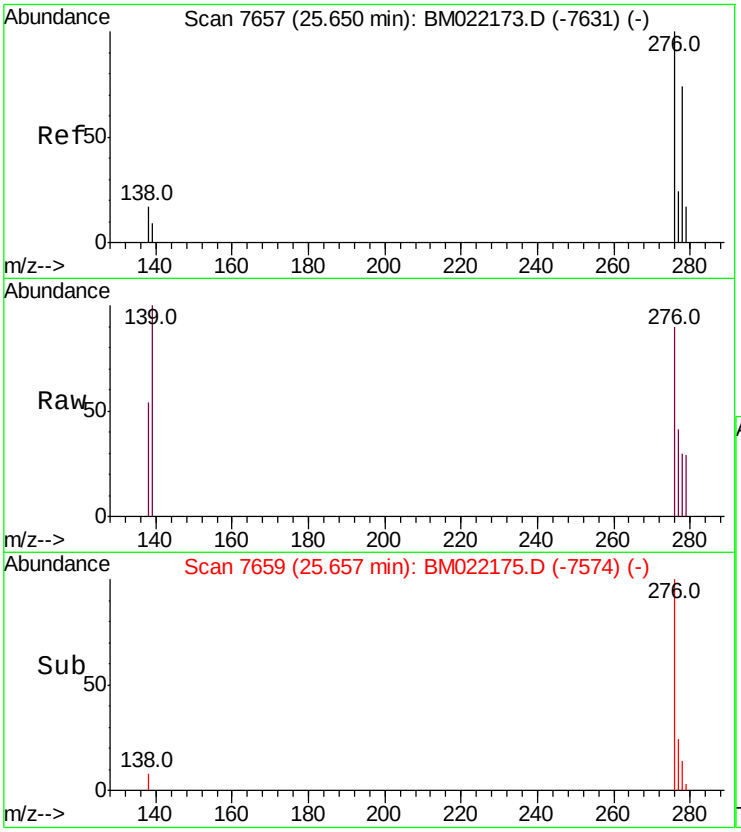



#23
Benzo(a)pyrene
Concen: 0.521 ng/ul m
RT: 23.35 min Scan# 6706
Delta R.T. 0.00 min
Lab File: BM022175.D
Acq: 16 Aug 2019 18:13

Tgt Ion:252 Resp: 13147

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 48.4 | 31.7 | 47.5# |
| 125 | 254.8 | 14.6 | 21.8# |

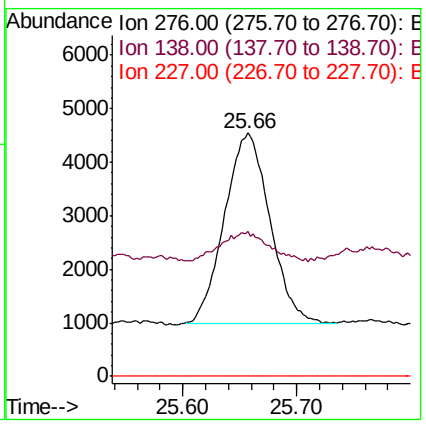





#24
Indeno(1,2,3-cd)pyrene
Concen: 0.329 ng/ul
RT: 25.66 min Scan# 7659
Delta R.T. 0.01 min
Lab File: BM022175.D
Acq: 16 Aug 2019 18:13

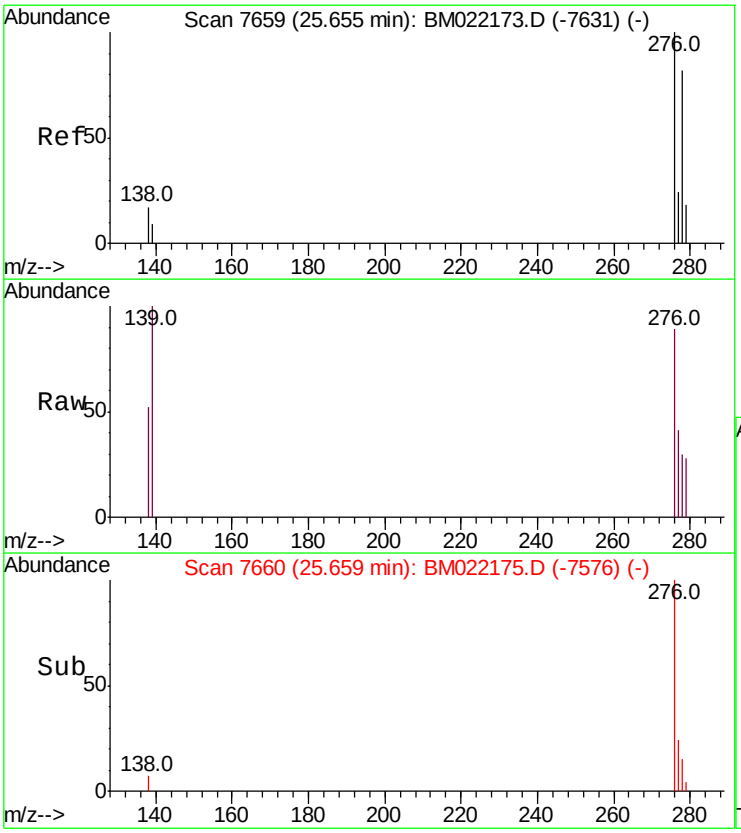
Tgt Ion:276 Resp: 9924

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 16.1 | 15.1 | 22.7 |
| 227 | 0.0 | 0.0 | 0.0 |




**Instrument :**
BNA_M
**ClientSampleId :**
C0AF7DL

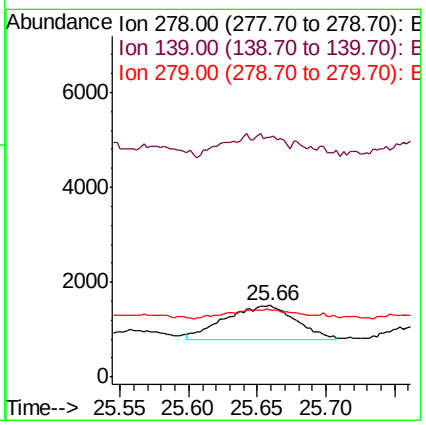
**Manual Integrations APPROVED**
mohammad
8/19/2019 5:32:14 PM

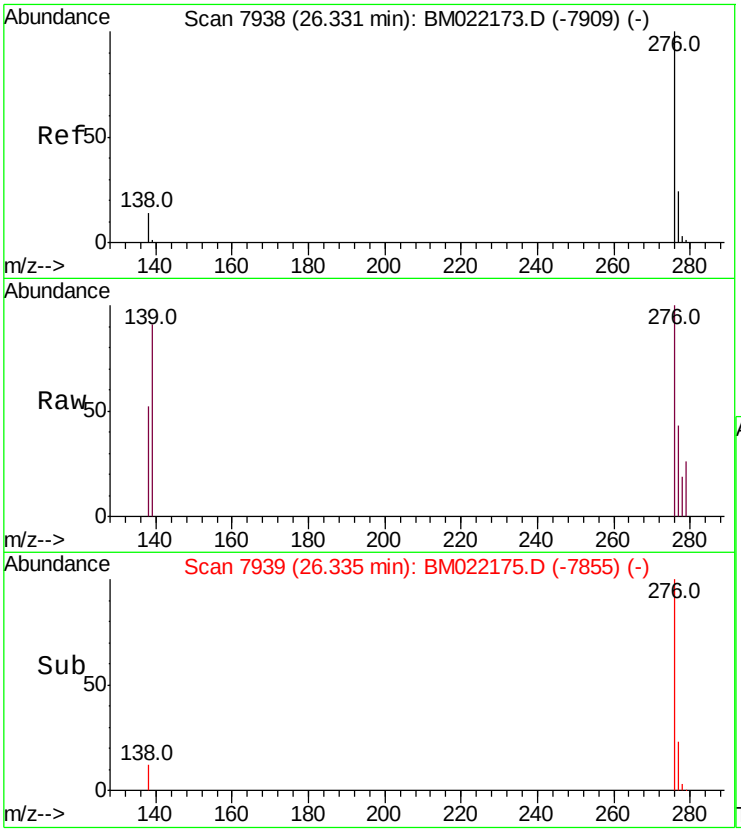



#25
Dibenzo(a,h)anthracene
Concen: 0.108 ng/ul m
RT: 25.66 min Scan# 7660
Delta R.T. 0.00 min
Lab File: BM022175.D
Acq: 16 Aug 2019 18:13

Tgt Ion:278 Resp: 2619

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 335.1 | 14.2 | 21.2# |
| 279 | 94.4 | 28.3 | 42.5# |

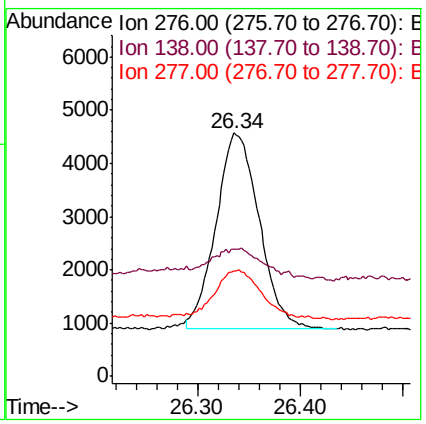





#26
Benzo(g,h,i)perylene
Concen: 0.398 ng/ul
RT: 26.34 min Scan# 7939
Delta R.T. 0.00 min
Lab File: BM022175.D
Acq: 16 Aug 2019 18:13

Tgt Ion:276 Resp: 10806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 52.0 | 15.5 | 23.3# |
| 277 | 43.4 | 21.4 | 32.2# |




**Instrument :**
BNA_M
**ClientSampleId :**
C0AF7DL

**Manual Integrations APPROVED**
mohammad
8/19/2019 5:32:14 PM