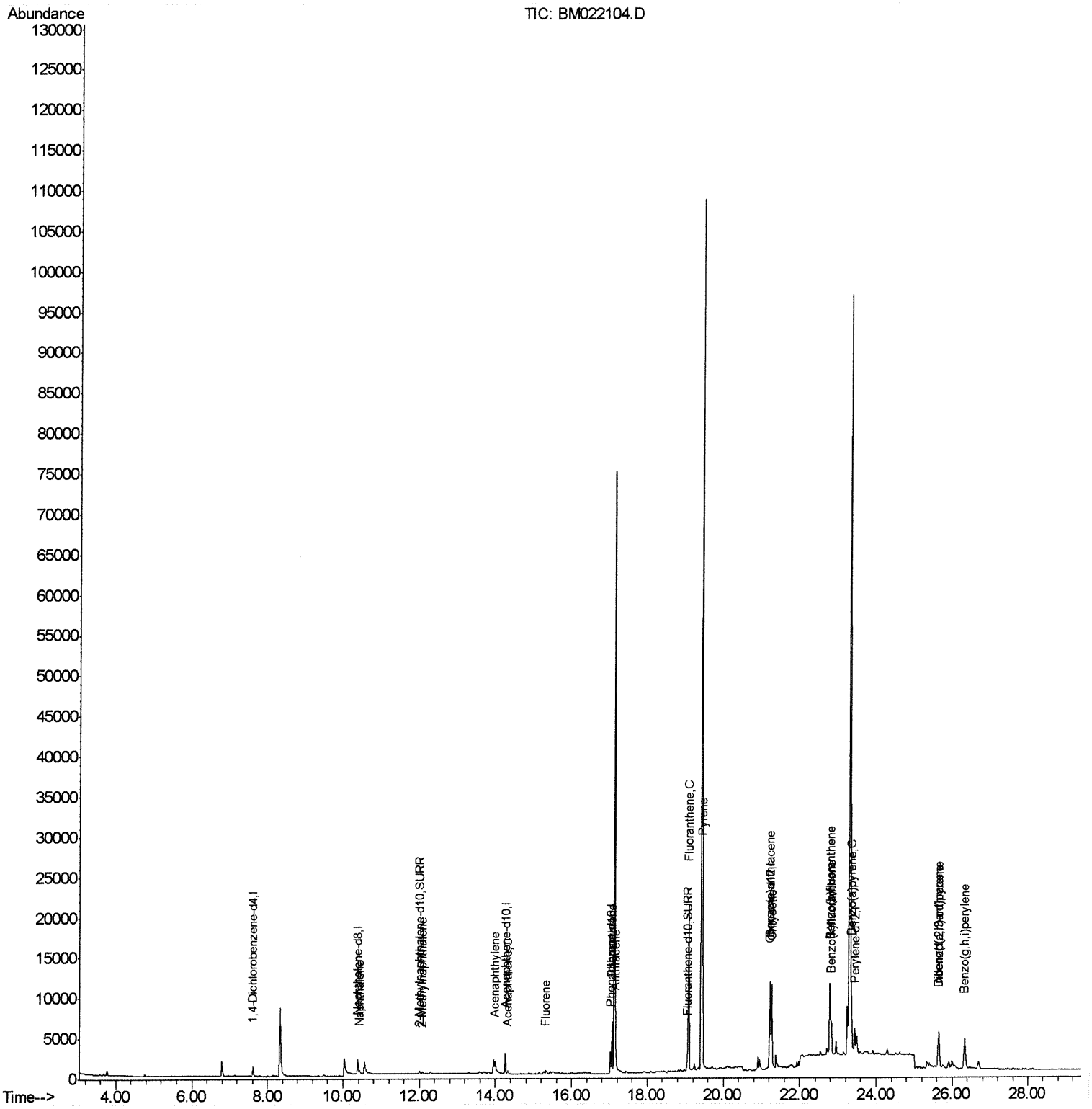
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022104.D
Acq On : 14 Aug 2019 12:42
Operator : HP/JU
Sample : K4041-11DL 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 14 15:04:56 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 : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
BENT5DL

**Manual Integrations APPROVED**
mohammad
8/15/2019 5:09:00 PM

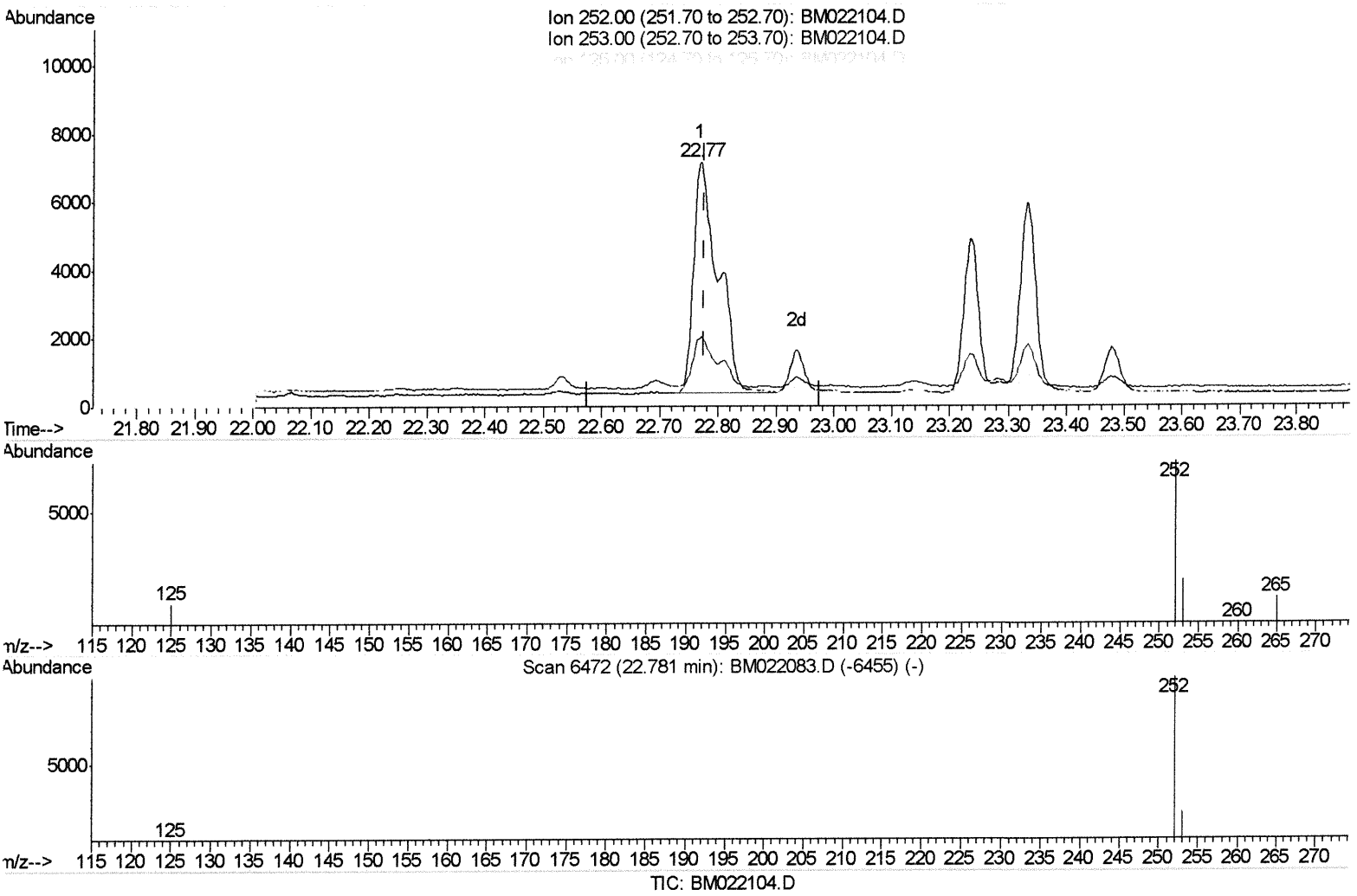


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022104.D
Acq On : 14 Aug 2019 12:42
Operator : HP/JU
Sample : K4041-11DL 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 14 15:03:46 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 : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
BENT5DL

**Manual Integrations APPROVED**
mohammad
8/15/2019 5:09:00 PM










TIC: BM022104.D

(21) Benzo(b)fluoranthene

22.769min (-0.007) 1.60ng/ul

response 20024

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 33.70 | 28.41 |
| 125.00 | 15.50 | 14.07 |
| 0.00 | 0.00 | 0.00 |

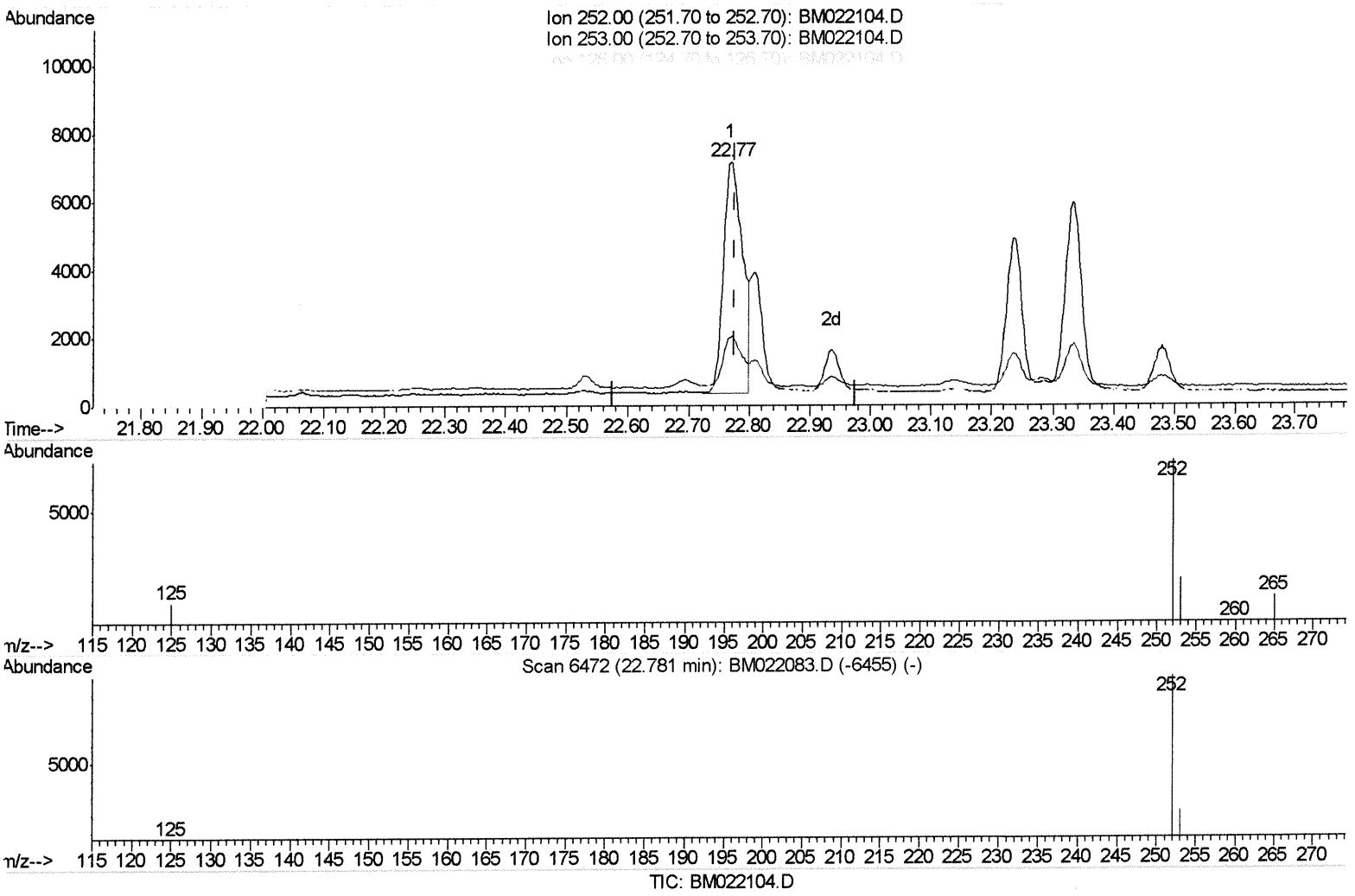
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022104.D
Acq On : 14 Aug 2019 12:42
Operator : HP/JU
Sample : K4041-11DL 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 14 15:03:46 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 : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
BENT5DL

**Manual Integrations APPROVED**
mohammad
8/15/2019 5:09:00 PM










TIC: BM022104.D

(21) Benzo(b)fluoranthene JU 08/15/19

22.769min (-0.007) 1.17ng/ul m

response 14694

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 33.70 | 28.41 |
| 125.00 | 15.50 | 14.07 |
| 0.00 | 0.00 | 0.00 |

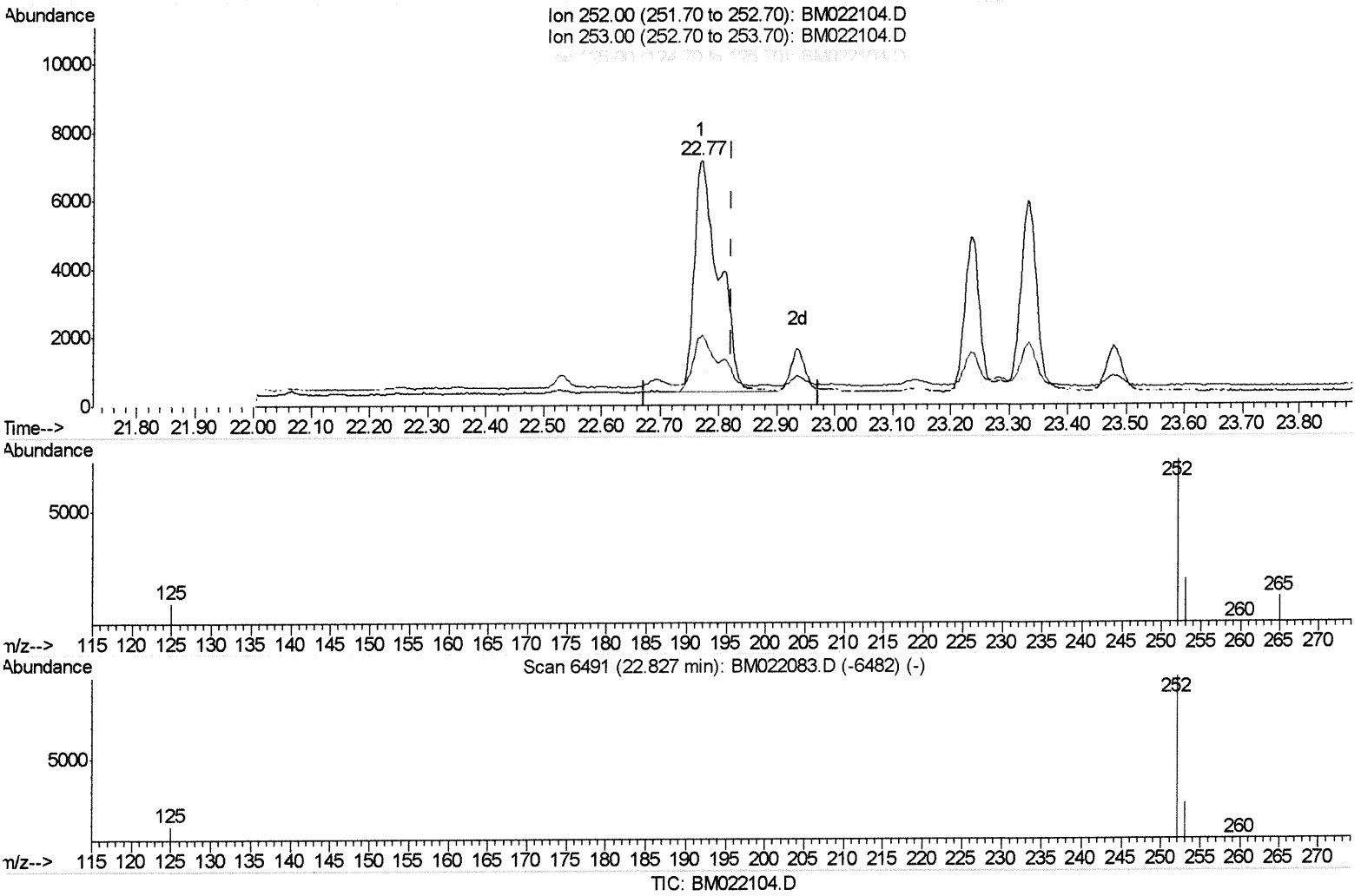
Quantitation Report (Quan)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022104.D
Acq On : 14 Aug 2019 12:42
Operator : HP/JU
Sample : K4041-11DL 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 14 15:03:46 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 : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
BENT5DL

**Manual Integrations APPROVED**
mohammad
8/15/2019 5:09:00 PM










TIC: BM022104.D

(22) Benzo(k)fluoranthene

22.769min (-0.053) 1.41ng/ul

response 20024

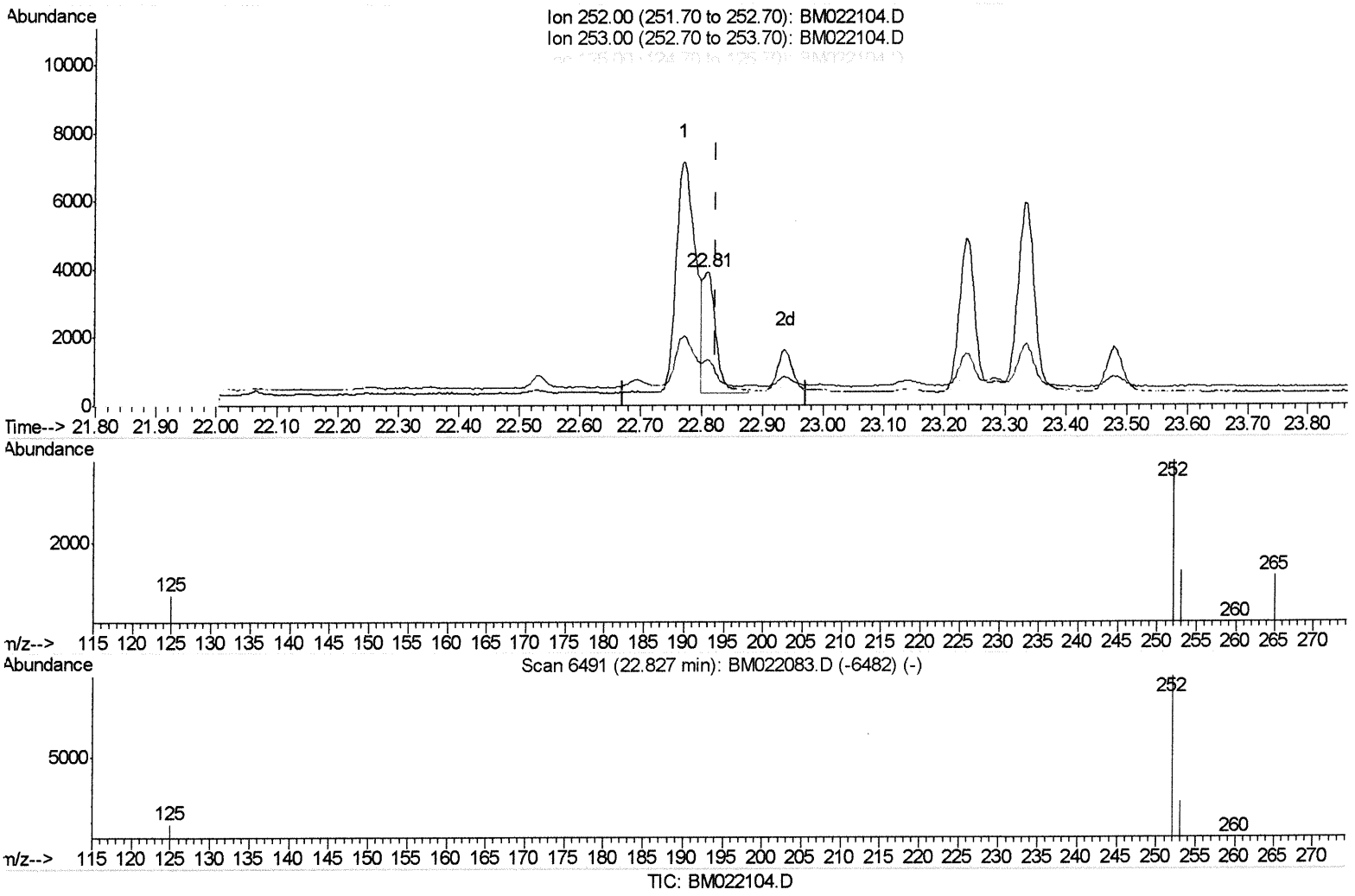
| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 33.70 | 28.41 |
| 125.00 | 15.20 | 14.07 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022104.D
Acq On : 14 Aug 2019 12:42
Operator : HP/JU
Sample : K4041-11DL 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 14 15:03:46 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 : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
BENT5DL

**Manual Integrations APPROVED**
mohammad
8/15/2019 5:09:00 PM




(22) Benzo(k)fluoranthene

22.808min (-0.015) 0.38ng/ul m JU 08/15/19

response 5347

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 33.70 | 34.15 |
| 125.00 | 15.20 | 19.47# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022104.D
Acq On : 14 Aug 2019 12:42
Operator : HP/JU
Sample : K4041-11DL 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BENT5DL

**Manual Integrations APPROVED**
mohammad
8/15/2019 5:09:00 PM

Quant Time: Aug 14 15:04:56 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 : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.60 | 152 | 630 | 0.40 | ng/ul | -0.01 |
| 2) Naphthalene-d8 | 10.38 | 136 | 2654 | 0.40 | ng/ul | -0.02 |
| 6) Acenaphthene-d10 | 14.26 | 164 | 1496 | 0.40 | ng/ul | -0.01 |
| 10) Phenanthrene-d10 | 17.01 | 188 | 3464 | 0.40 | ng/ul | -0.02 |
| 16) Chrysene-d12 | 21.22 | 240 | 3453 | 0.40 | ng/ul | 0.00 |
| 20) Perylene-d12 | 23.43 | 264 | 3710 | 0.40 | ng/ul | -0.01 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Methylnaphthalene-d10 | 12.00 | 152 | 566 | 0.13 | ng/ul | 0.00 |
| 14) Fluoranthene-d10 | 19.05 | 212 | 1541 | 0.13 | ng/ul | -0.02 |
| **Target Compounds** | | | | | | Qvalue |
| 3) Naphthalene | 10.43 | 128 | 494 | 0.066 | ng/ul# | 76 |
| 5) 2-Methylnaphthalene | 12.08 | 142 | 175 | 0.035 | ng/ul | 97 |
| 7) Acenaphthylene | 13.98 | 152 | 1892 | 0.271 | ng/ul# | 83 |
| 8) Acenaphthene | 14.32 | 153 | 252 | 0.044 | ng/ul# | 91 |
| 9) Fluorene | 15.32 | 166 | 418 | 0.066 | ng/ul# | 93 |
| 12) Phenanthrene | 17.06 | 178 | 7089 | 0.703 | ng/ul | 99 |
| 13) Anthracene | 17.15 | 178 | 2177 | 0.253 | ng/ul | 95 |
| 15) Fluoranthene | 19.08 | 202 | 18526 | 1.372 | ng/ul | 97 |
| 17) Pyrene | 19.45 | 202 | 19959 | 1.407 | ng/ul | 98 |
| 18) Benzo(a)anthracene | 21.21 | 228 | 9015 | 0.730 | ng/ul | 94 |
| 19) Chrysene | 21.26 | 228 | 11095 | 0.698 | ng/ul | 95 |
| 21) Benzo(b)fluoranthene | 22.77 | 252 | 14694m → | 1.175 | ng/ul | ≈ JU 08/15/19 |
| 22) Benzo(k)fluoranthene | 22.81 | 252 | 5347m → | 0.378 | ng/ul | |
| 23) Benzo(a)pyrene | 23.33 | 252 | 10510 | 0.826 | ng/ul# | 87 |
| 24) Indeno(1,2,3-cd)pyrene | 25.64 | 276 | 7875 | 0.518 | ng/ul# | 94 |
| 25) Dibenzo(a,h)anthracene | 25.64 | 278 | 1868 | 0.152 | ng/ul# | 54 |
| 26) Benzo(g,h,i)perylene | 26.32 | 276 | 8138 | 0.595 | ng/ul | 96 |

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