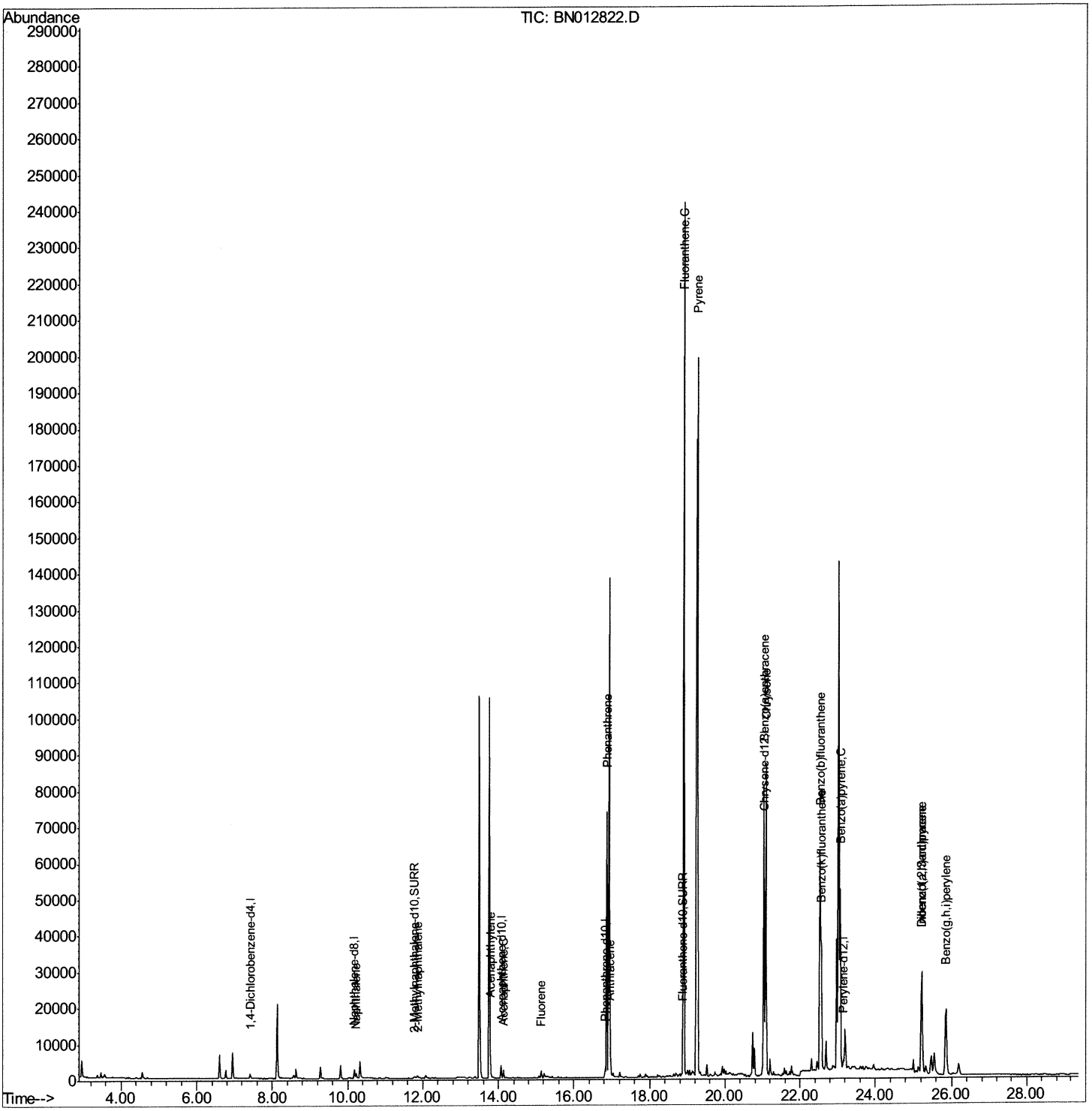
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120220\
Data File : BN012822.D
Acq On : 02 Dec 2020 16:32
Operator : CG/JU
Sample : L4865-02
Misc :
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Dec 02 17:05:38 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN112020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 02 12:19:27 2020
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
C0B20

**Manual Integrations APPROVED**
mohammad
12/3/2020 3:43:40 PM



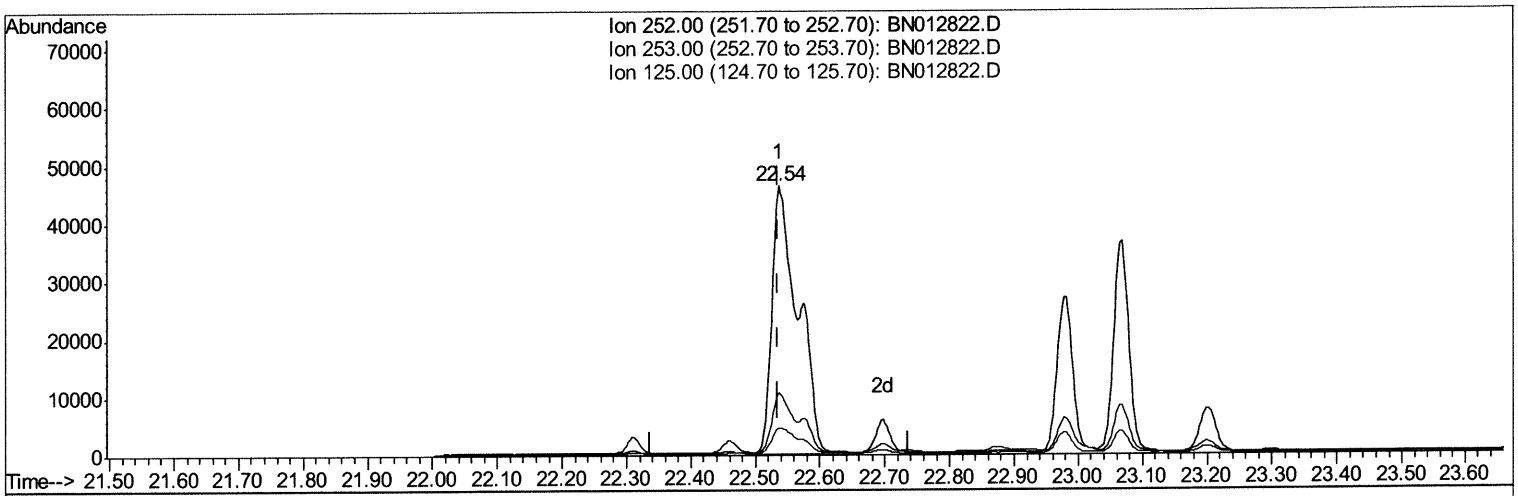
Quantitation Report (Qedit)

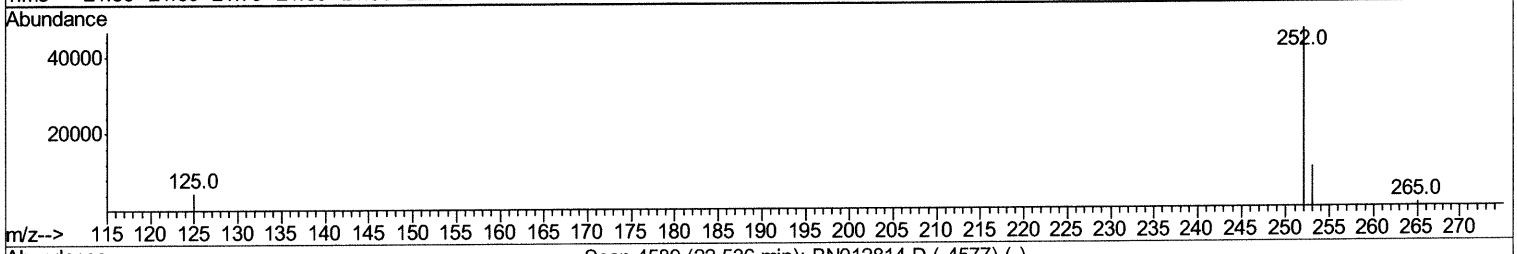
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120220\
Data File : BN012822.D
Acq On : 02 Dec 2020 16:32
Operator : CG/JU
Sample : L4865-02
Misc :
ALS Vial : 49 Sample Multiplier: 1

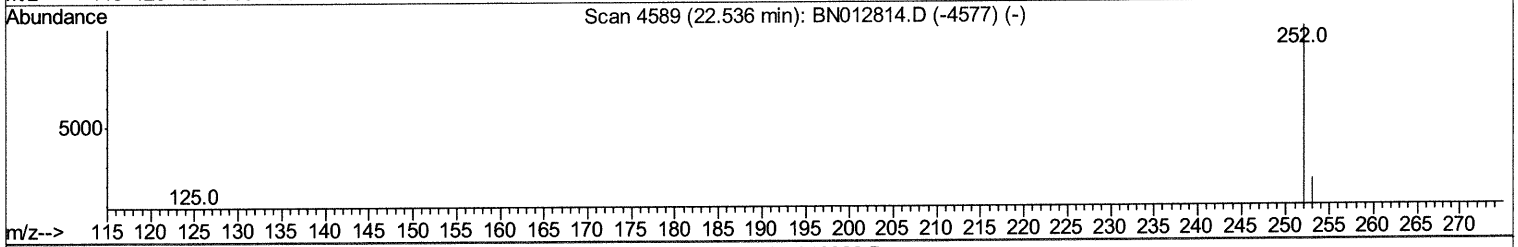
Quant Time: Dec 02 17:04:31 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN112020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 02 12:19:27 2020
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
C0B20

**Manual Integrations APPROVED**
mohammad
12/3/2020 3:43:40 PM




TIC: BN012822.D

(21) Benzo(b)fluoranthene

22.536min (+0.000) 8.70ng/ul

response 129500

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 29.20 | 23.02 |
| 125.00 | 14.30 | 10.05 |
| 0.00 | 0.00 | 0.00 |

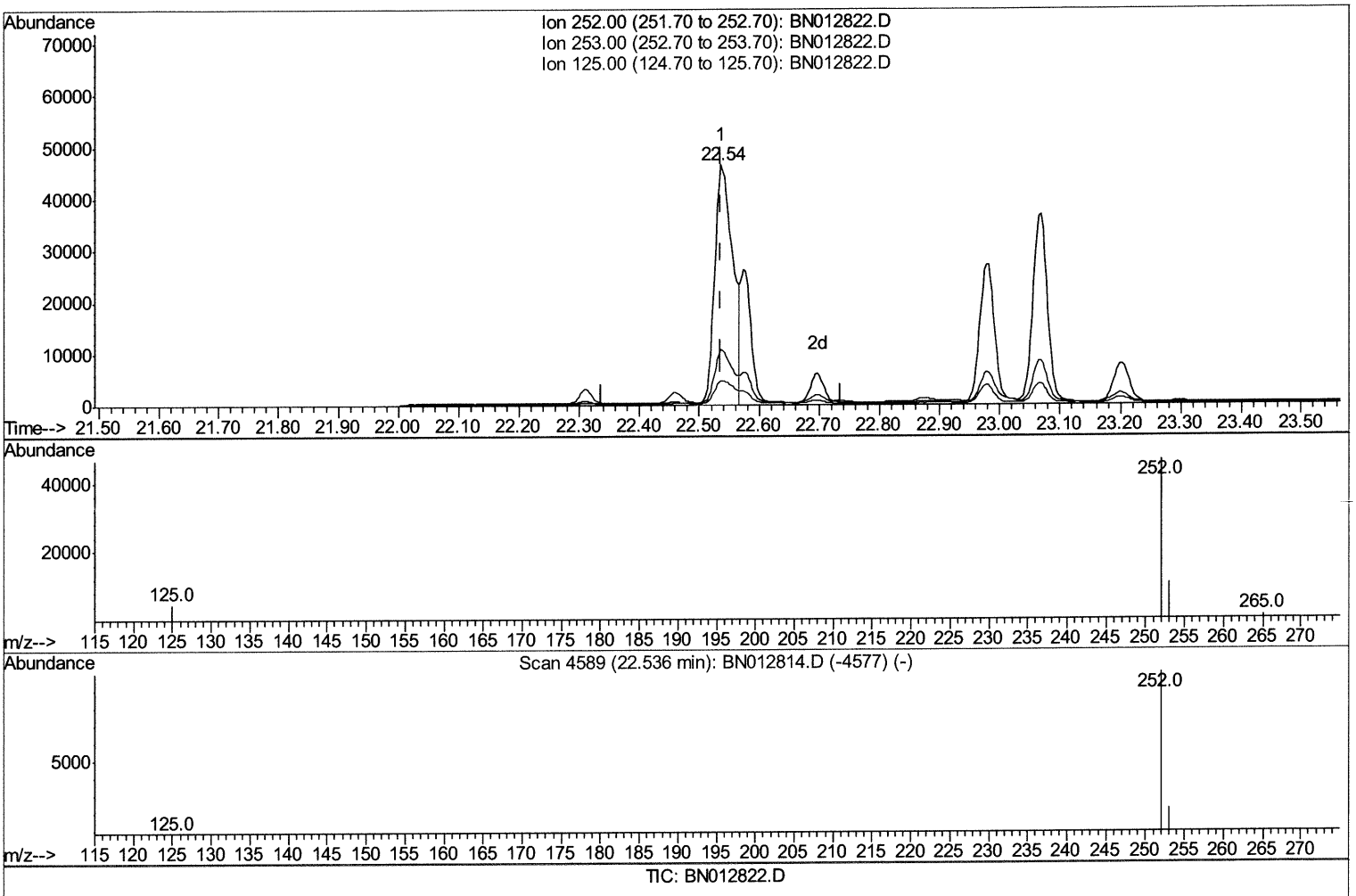
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120220\
Data File : BN012822.D
Acq On : 02 Dec 2020 16:32
Operator : CG/JU
Sample : L4865-02
Misc :
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Dec 02 17:04:31 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN112020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 02 12:19:27 2020
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
C0B20

**Manual Integrations APPROVED**
mohammad
12/3/2020 3:43:40 PM




TIC: BN012822.D

(21) Benzo(b)fluoranthene

22.536min (+0.000) 6.54ng/ul m 12/04/20 JU

response 97347

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 29.20 | 23.02 |
| 125.00 | 14.30 | 10.05 |
| 0.00 | 0.00 | 0.00 |

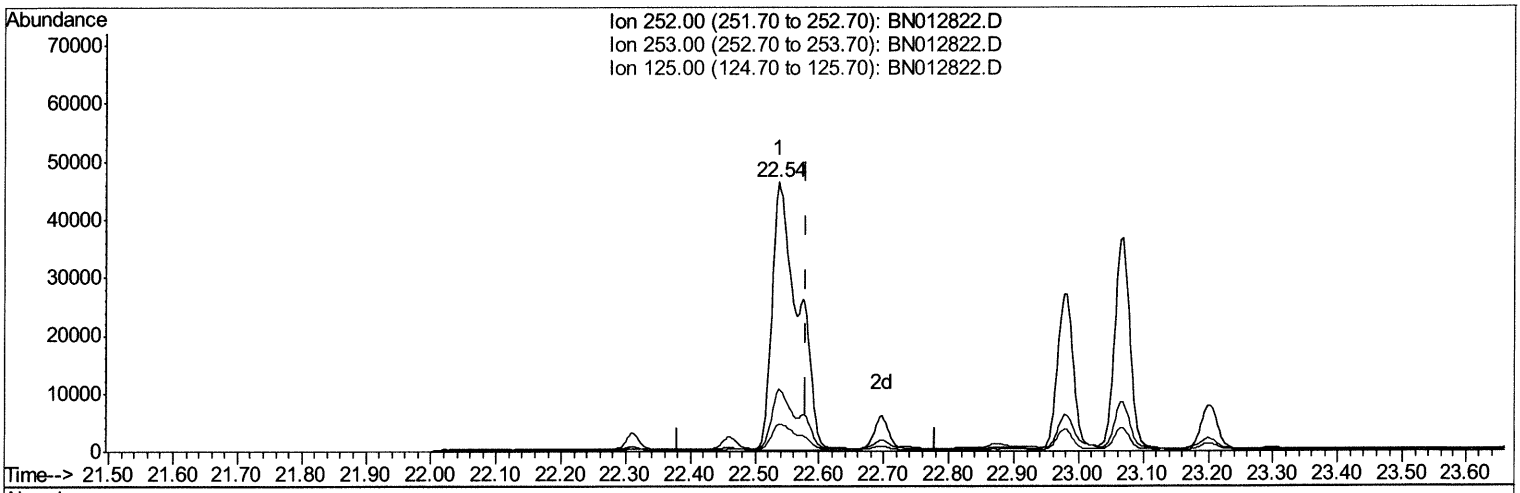
Quantitation Report (Qedit)

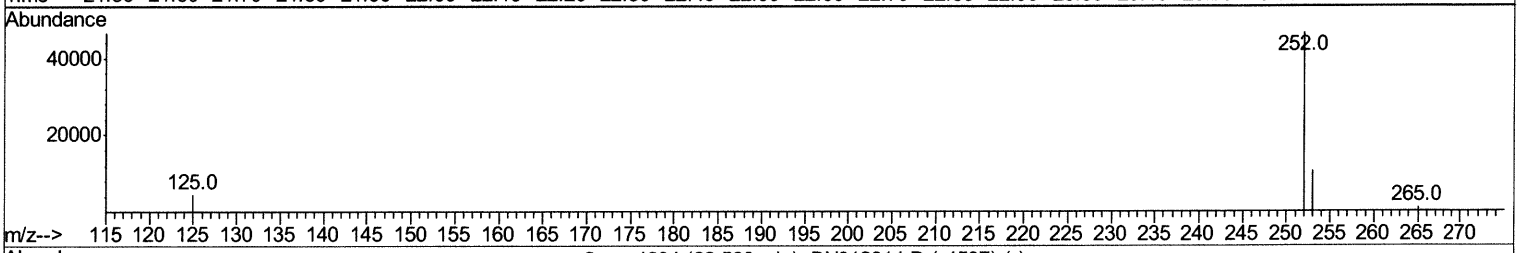
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120220\
Data File : BN012822.D
Acq On : 02 Dec 2020 16:32
Operator : CG/JU
Sample : L4865-02
Misc :
ALS Vial : 49 Sample Multiplier: 1

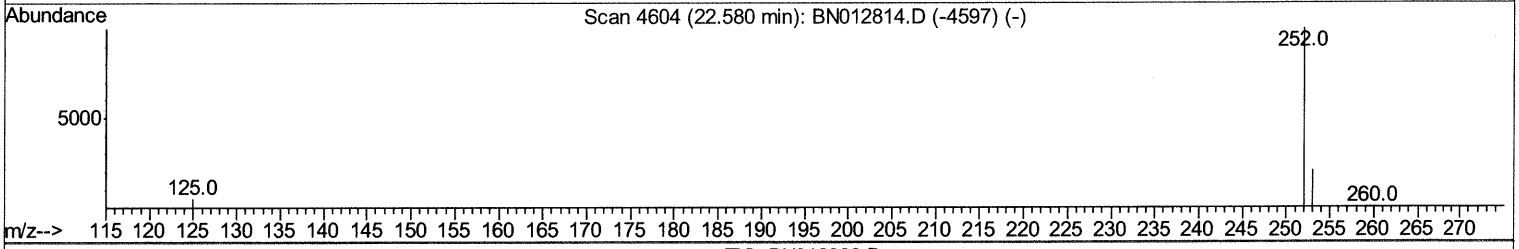
Quant Time: Dec 02 17:04:31 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN112020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 02 12:19:27 2020
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
C0B20

**Manual Integrations APPROVED**
mohammad
12/3/2020 3:43:40 PM




TIC: BN012822.D

(22) Benzo(k)fluoranthene

22.536min (-0.044) 7.54ng/ul

response 129500

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 29.30 | 23.02# |
| 125.00 | 12.70 | 10.05# |
| 0.00 | 0.00 | 0.00 |

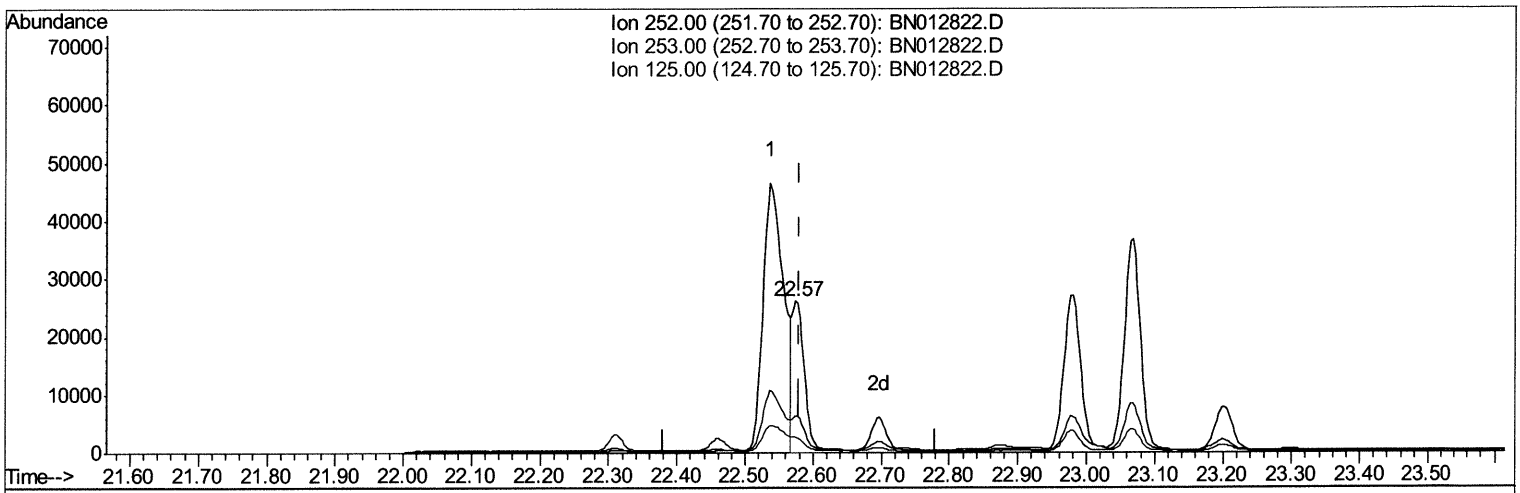
Quantitation Report (Qedit)

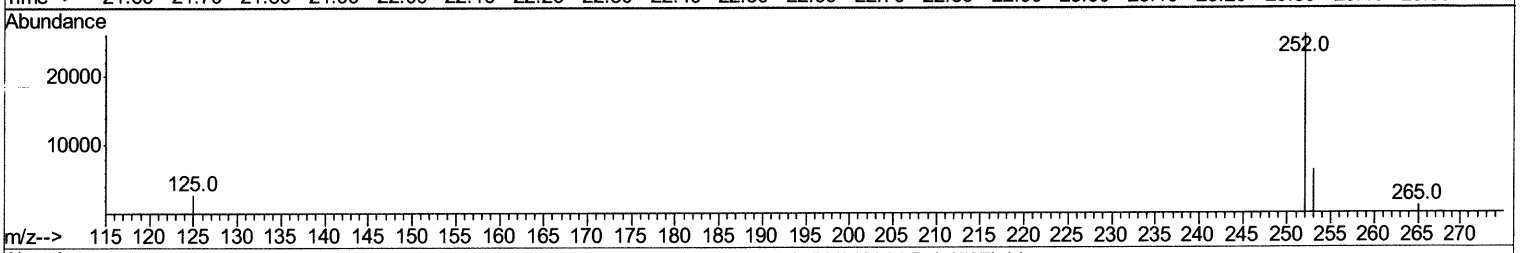
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120220\
Data File : BN012822.D
Acq On : 02 Dec 2020 16:32
Operator : CG/JU
Sample : L4865-02
Misc :
ALS Vial : 49 Sample Multiplier: 1

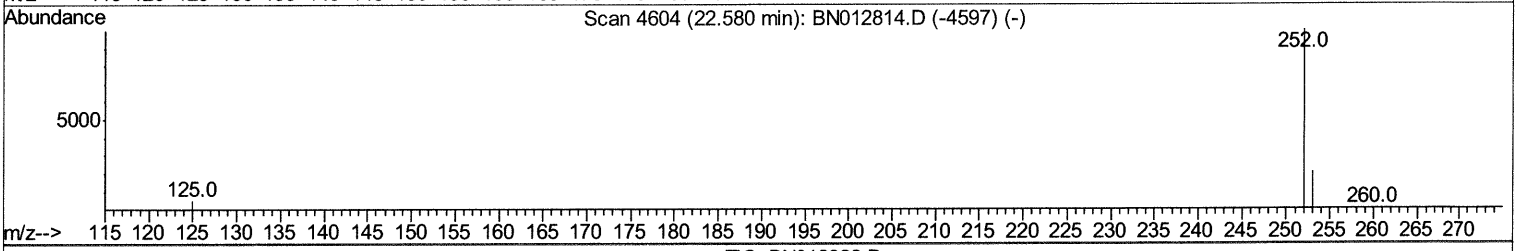
Quant Time: Dec 02 17:04:31 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN112020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 02 12:19:27 2020
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
C0B20

**Manual Integrations APPROVED**
mohammad
12/3/2020 3:43:40 PM




TIC: BN012822.D

(22) Benzo(k)fluoranthene

22.574min (-0.006) 1.98ng/ul m (12/04/20 JU

response 33939

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 29.30 | 24.24 |
| 125.00 | 12.70 | 10.40 |
| 0.00 | 0.00 | 0.00 |

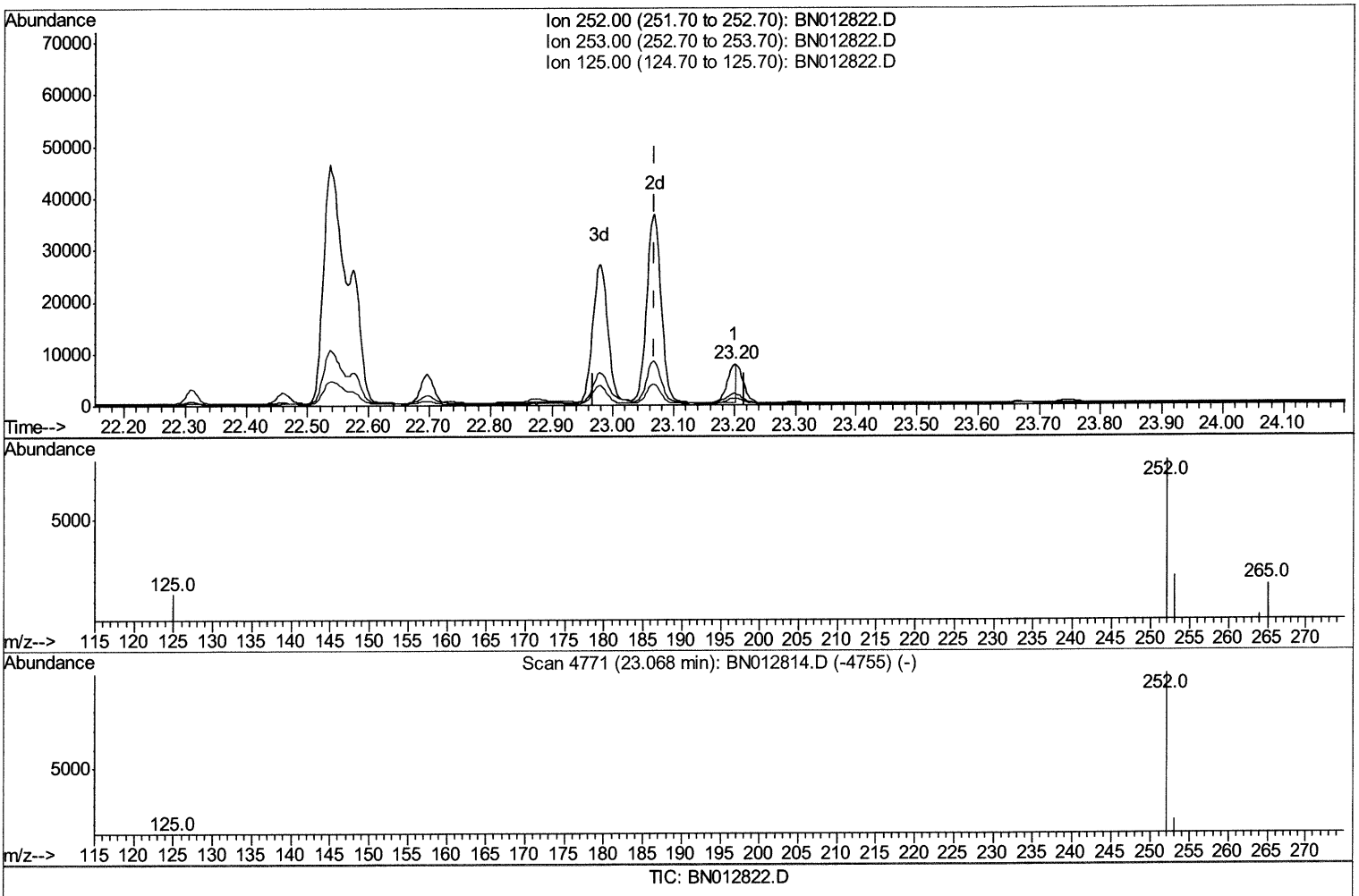
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120220\
Data File : BN012822.D
Acq On : 02 Dec 2020 16:32
Operator : CG/JU
Sample : L4865-02
Misc :
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Dec 02 17:04:31 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN112020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 02 12:19:27 2020
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
C0B20

**Manual Integrations APPROVED**
mohammad
12/3/2020 3:43:40 PM




TIC: BN012822.D

(23) Benzo(a)pyrene (C)

23.200min (+0.132) 0.56ng/ul

response 7811

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 34.50 | 28.39 |
| 125.00 | 21.20 | 17.29 |
| 0.00 | 0.00 | 0.00 |

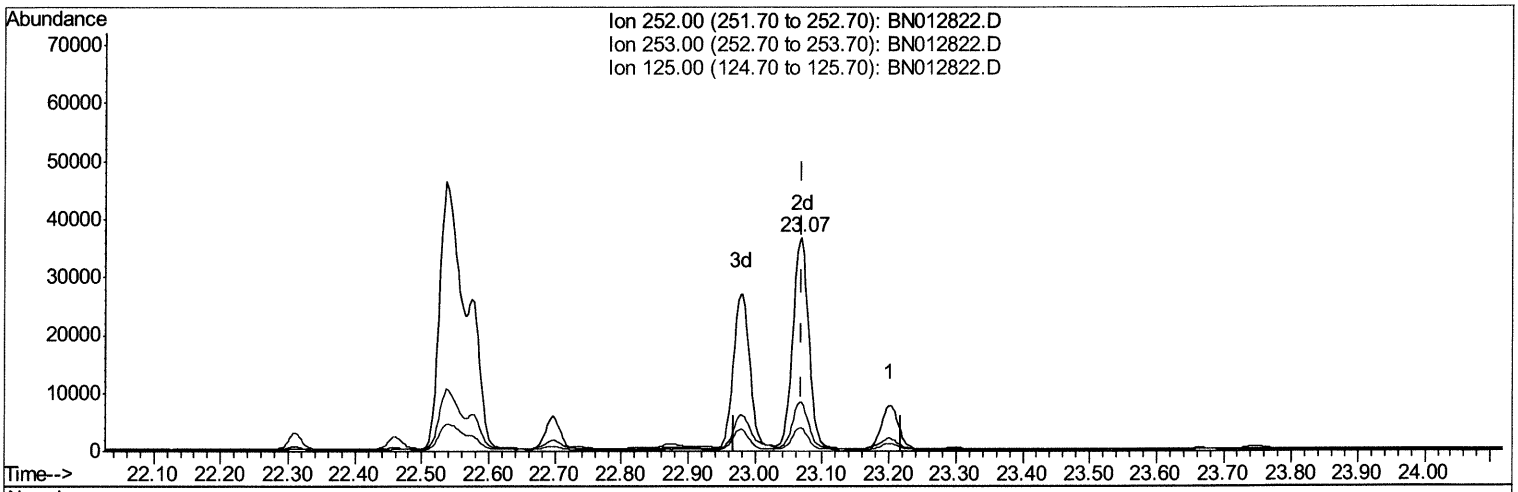
Quantitation Report (Qedit)

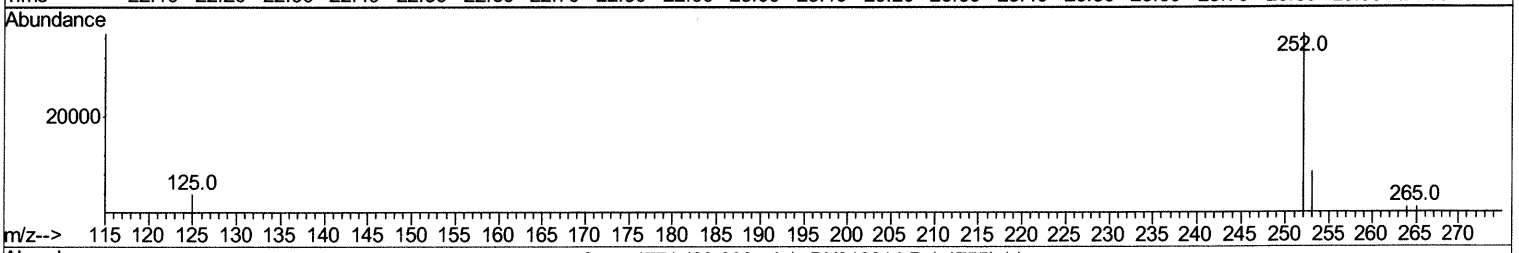
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120220\
Data File : BN012822.D
Acq On : 02 Dec 2020 16:32
Operator : CG/JU
Sample : L4865-02
Misc :
ALS Vial : 49 Sample Multiplier: 1

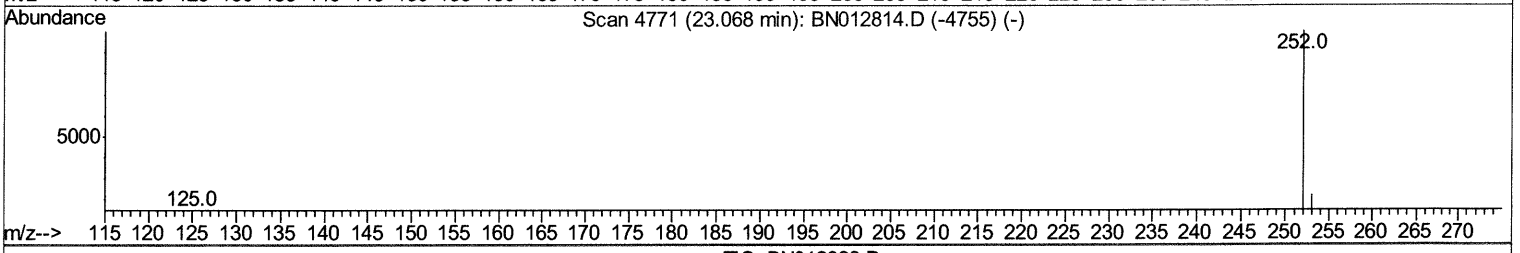
Quant Time: Dec 02 17:04:31 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN112020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 02 12:19:27 2020
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
C0B20

**Manual Integrations APPROVED**
mohammad
12/3/2020 3:43:40 PM




TIC: BN012822.D

(23) Benzo(a)pyrene (C)

23.068min (+0.000) 4.46ng/ul m 12/04/20 JU

response 62517

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 34.50 | 23.22# |
| 125.00 | 21.20 | 10.89# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120220\
Data File : BN012822.D
Acq On : 02 Dec 2020 16:32
Operator : CG/JU
Sample : L4865-02
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0B20

Manual Integrations APPROVED
mohammad
12/3/2020 3:43:40 PM

Quant Time: Dec 02 17:05:38 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN112020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 02 12:19:27 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.42 | 152 | 716 | 0.40 | ng/ul | 0.00 |
| 2) Naphthalene-d8 | 10.18 | 136 | 3044 | 0.40 | ng/ul | 0.00 |
| 6) Acenaphthene-d10 | 14.07 | 164 | 1783 | 0.40 | ng/ul | 0.00 |
| 10) Phenanthrene-d10 | 16.83 | 188 | 3812 | 0.40 | ng/ul | 0.00 |
| 16) Chrysene-d12 | 21.05 | 240 | 3504 | 0.40 | ng/ul | 0.00 |
| 20) Perylene-d12 | 23.16 | 264 | 3237 | 0.40 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Methylnaphthalene-d10 | 11.79 | 152 | 679 | 0.15 | ng/ul | 0.00 |
| 14) Fluoranthene-d10 | 18.87 | 212 | 1632 | 0.16 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 3) Naphthalene | 10.23 | 128 | 1798 | 0.196 | ng/ul | 97 |
| 5) 2-Methylnaphthalene | 11.86 | 142 | 596 | 0.102 | ng/ul | 98 |
| 7) Acenaphthylene | 13.79 | 152 | 2022 | 0.233 | ng/ul | 98 |
| 8) Acenaphthene | 14.14 | 153 | 1263 | 0.172 | ng/ul | 99 |
| 9) Fluorene | 15.13 | 166 | 1188 | 0.147 | ng/ul# | 92 |
| 12) Phenanthrene | 16.87 | 178 | 75440 | 5.687 | ng/ul | 96 |
| 13) Anthracene | 16.96 | 178 | 5887 | 0.511 | ng/ul | 98 |
| 15) Fluoranthene | 18.90 | 202 | 197615 | 12.904 | ng/ul | 97 |
| 17) Pyrene | 19.27 | 202 | 164415 | 10.490 | ng/ul | 100 |
| 18) Benzo(a)anthracene | 21.03 | 228 | 65413 | 5.210 | ng/ul | 98 |
| 19) Chrysene | 21.09 | 228 | 81241 | 5.180 | ng/ul | 98 |
| 21) Benzo(b)fluoranthene | 22.54 | 252 | 97347m | 6.537 | ng/ul | |
| 22) Benzo(k)fluoranthene | 22.57 | 252 | 33939m | 1.976 | ng/ul | |
| 23) Benzo(a)pyrene | 23.07 | 252 | 62517m | 4.461 | ng/ul | |
| 24) Indeno(1,2,3-cd)pyrene | 25.23 | 276 | 41534 | 2.266 | ng/ul# | 96 |
| 25) Dibenzo(a,h)anthracene | 25.23 | 278 | 10190 | 0.692 | ng/ul | 97 |
| 26) Benzo(g,h,i)perylene | 25.85 | 276 | 35894 | 2.176 | ng/ul | 96 |

12/04/20 SJ

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