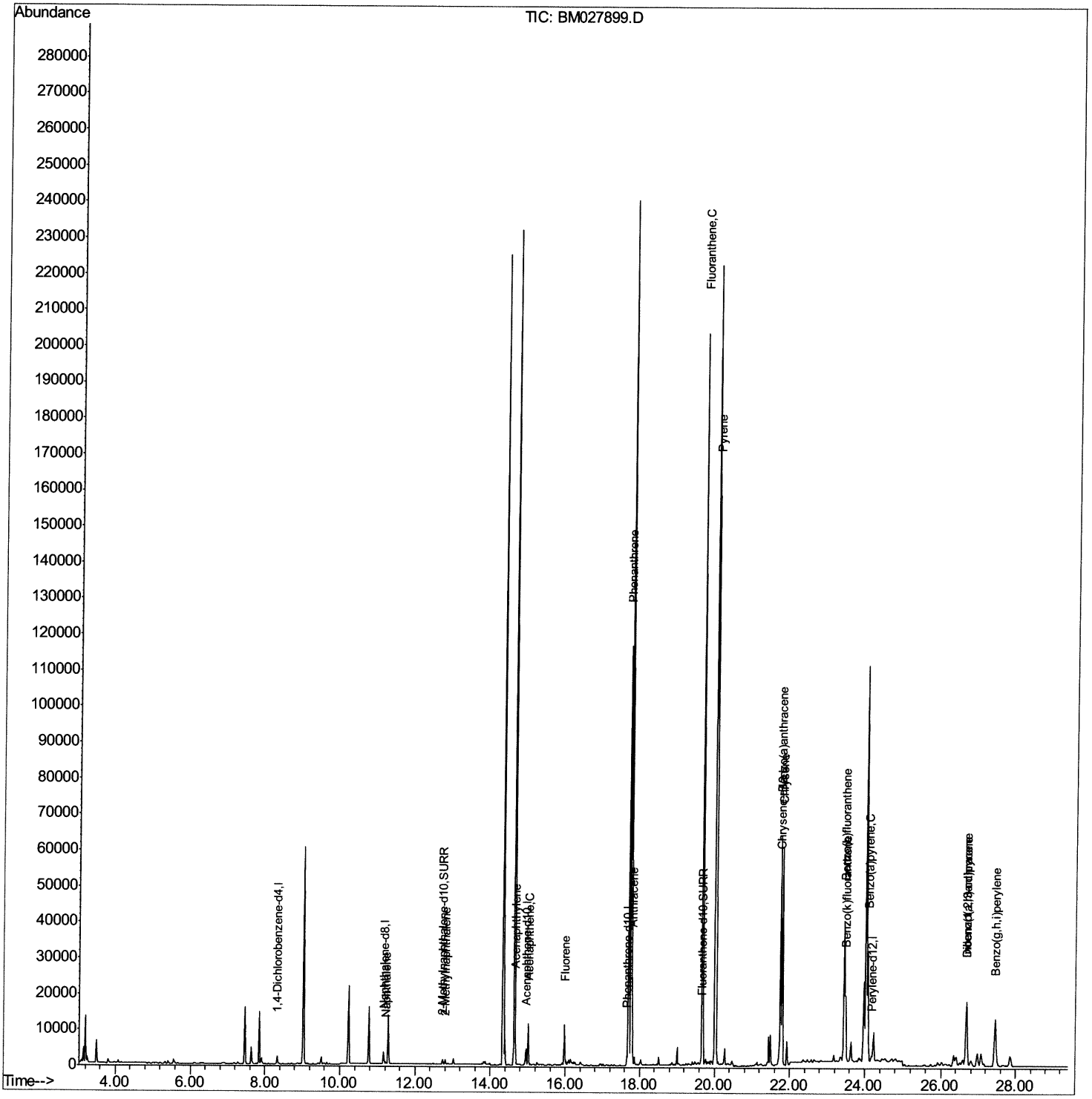
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112020\
Data File : BM027899.D
Acq On : 22 Nov 2020 03:12
Operator : JU/CG
Sample : L4711-24
Misc :
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Nov 23 05:52:31 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 23 04:04:52 2020
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
C0BF6

**Manual Integrations APPROVED**
mohammad
11/24/2020 8:59:27 AM



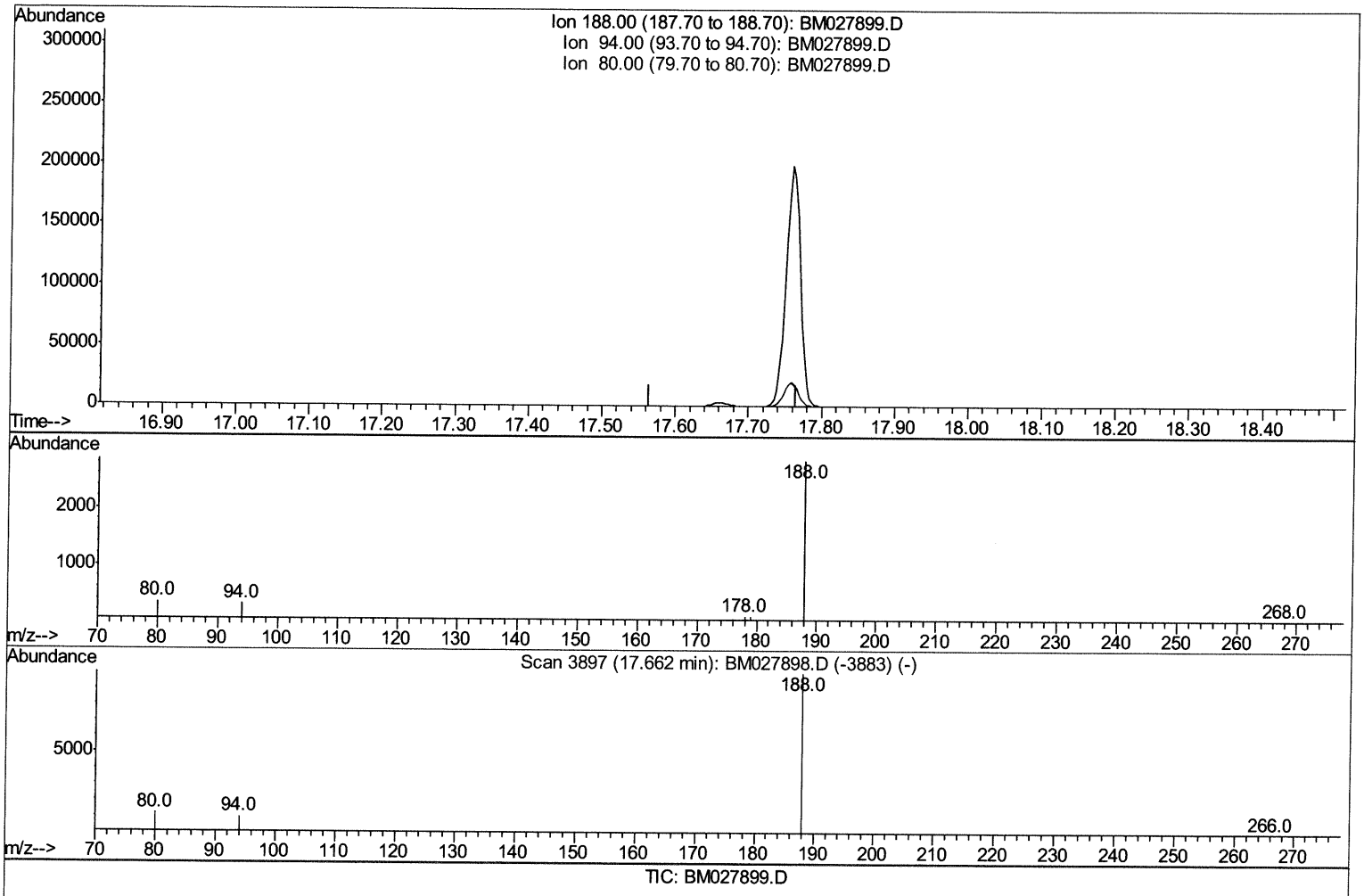
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112020\
Data File : BM027899.D
Acq On : 22 Nov 2020 03:12
Operator : JU/CG
Sample : L4711-24
Misc :
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Nov 23 05:40:29 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 23 04:04:52 2020
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
C0BF6

**Manual Integrations APPROVED**
mohammad
11/24/2020 8:59:27 AM




TIC: BM027899.D

(10) Phenanthrene-d10 (I)

17.666min (-17.666) 0.00ng/ul

response 0

| Ion | Exp% | Act% |
|---|---|---|
| 188.00 | 100 | 0.00 |
| 94.00 | 9.30 | 0.00# |
| 80.00 | 10.20 | 0.00# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112020\
Data File : BM027899.D
Acq On : 22 Nov 2020 03:12
Operator : JU/CG
Sample : L4711-24
Misc :
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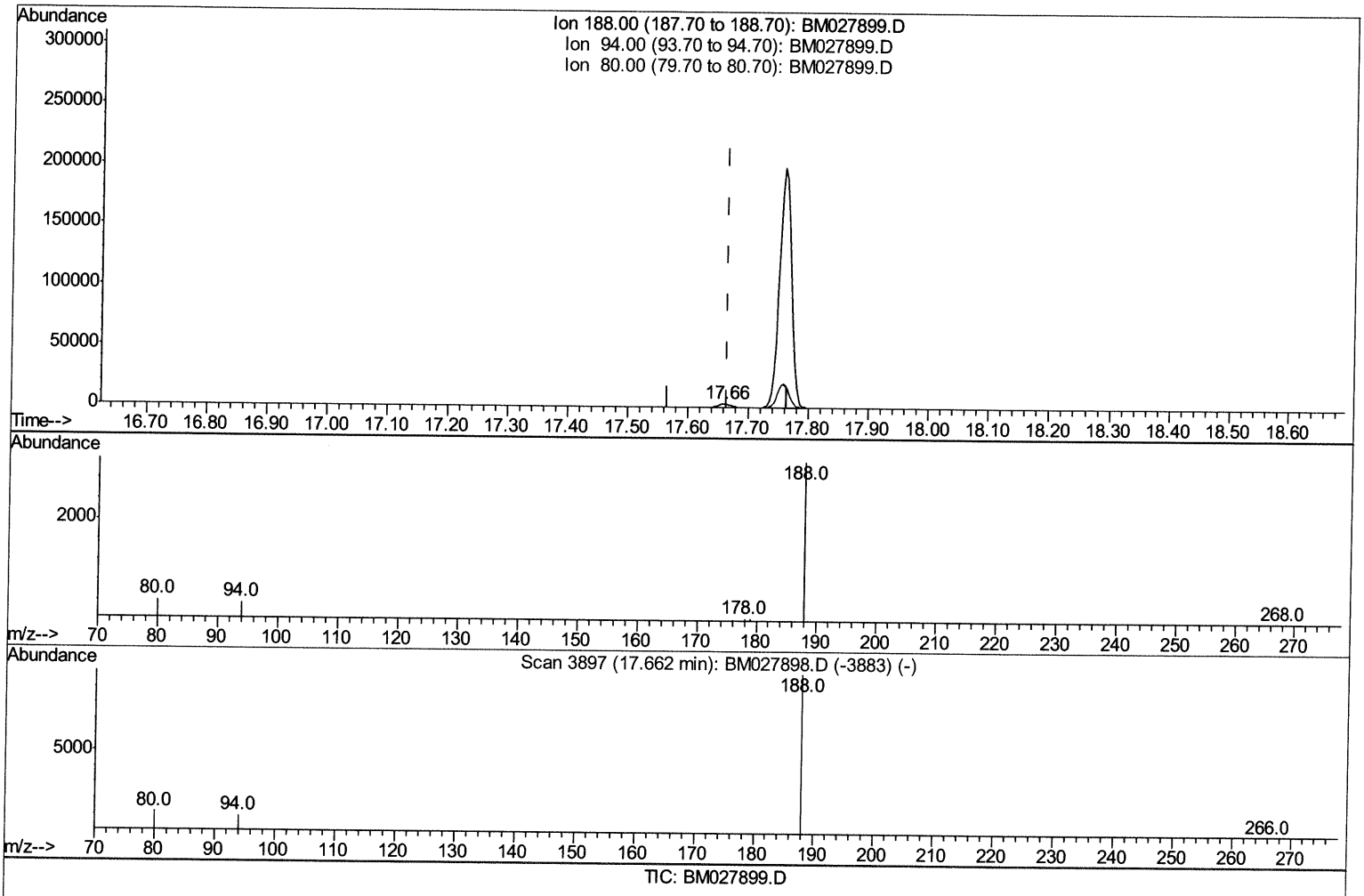
**Instrument :**
BNA_M
**ClientSampleId :**
C0BF6

**Manual Integrations APPROVED**
mohammad
11/24/2020 8:59:27 AM




TIC: BM027899.D

(10) Phenanthrene-d10 (I)

17.662min (-0.003) 0.40ng/ul m 11/21/20 JU

response 4266

| Ion | Exp% | Act% |
|---|---|---|
| 188.00 | 100 | 100 |
| 94.00 | 9.30 | 10.95 |
| 80.00 | 10.20 | 12.36# |
| 0.00 | 0.00 | 0.00 |

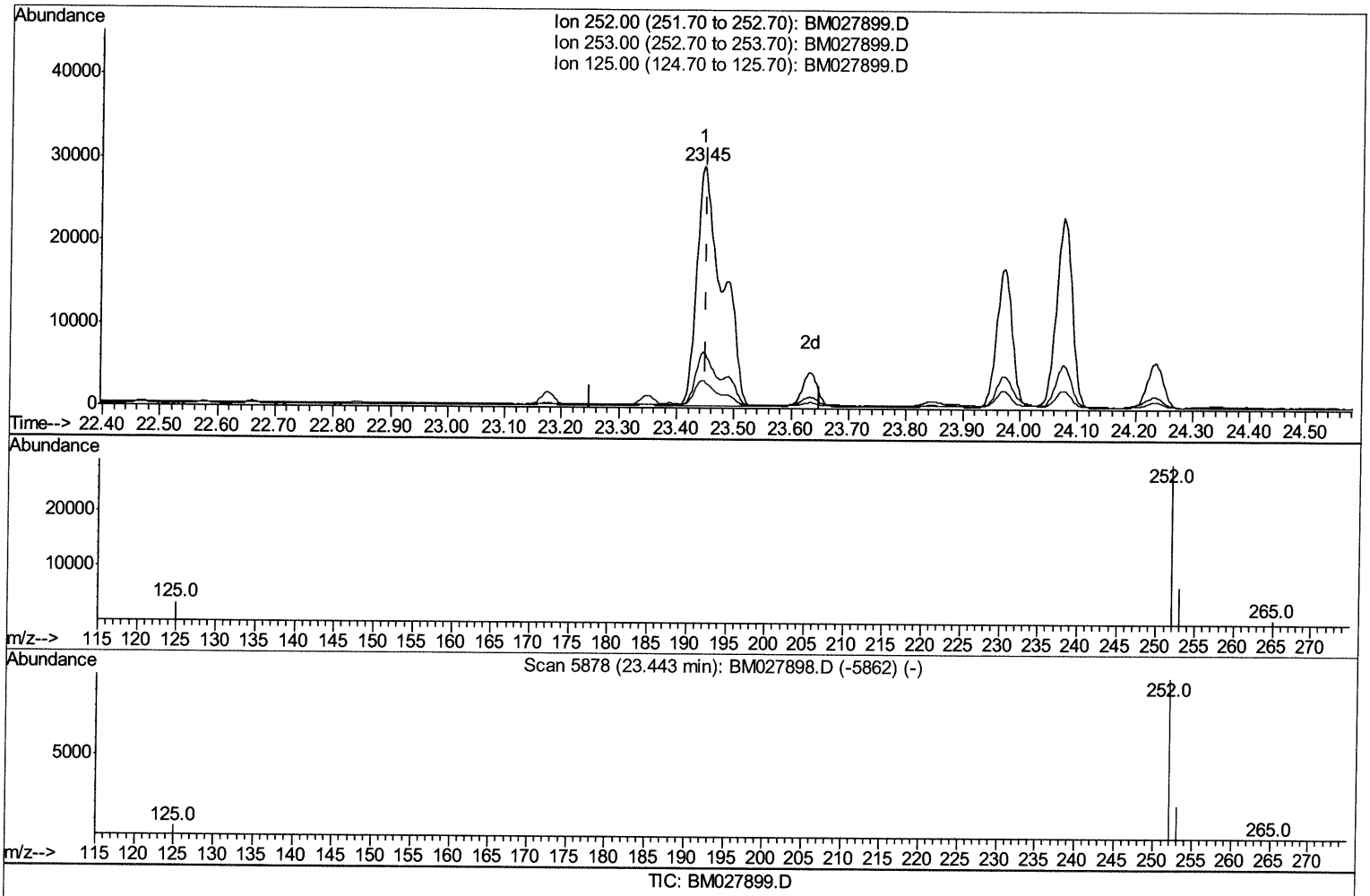
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112020\
Data File : BM027899.D
Acq On : 22 Nov 2020 03:12
Operator : JU/CG
Sample : L4711-24
Misc :
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Nov 23 05:50:12 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 23 04:04:52 2020
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
C0BF6

**Manual Integrations APPROVED**
mohammad
11/24/2020 8:59:27 AM




(21) Benzo(b)fluoranthene

23.445min (-0.005) 10.20ng/ul

response 88780

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 29.80 | 23.29 |
| 125.00 | 14.20 | 11.32 |
| 0.00 | 0.00 | 0.00 |

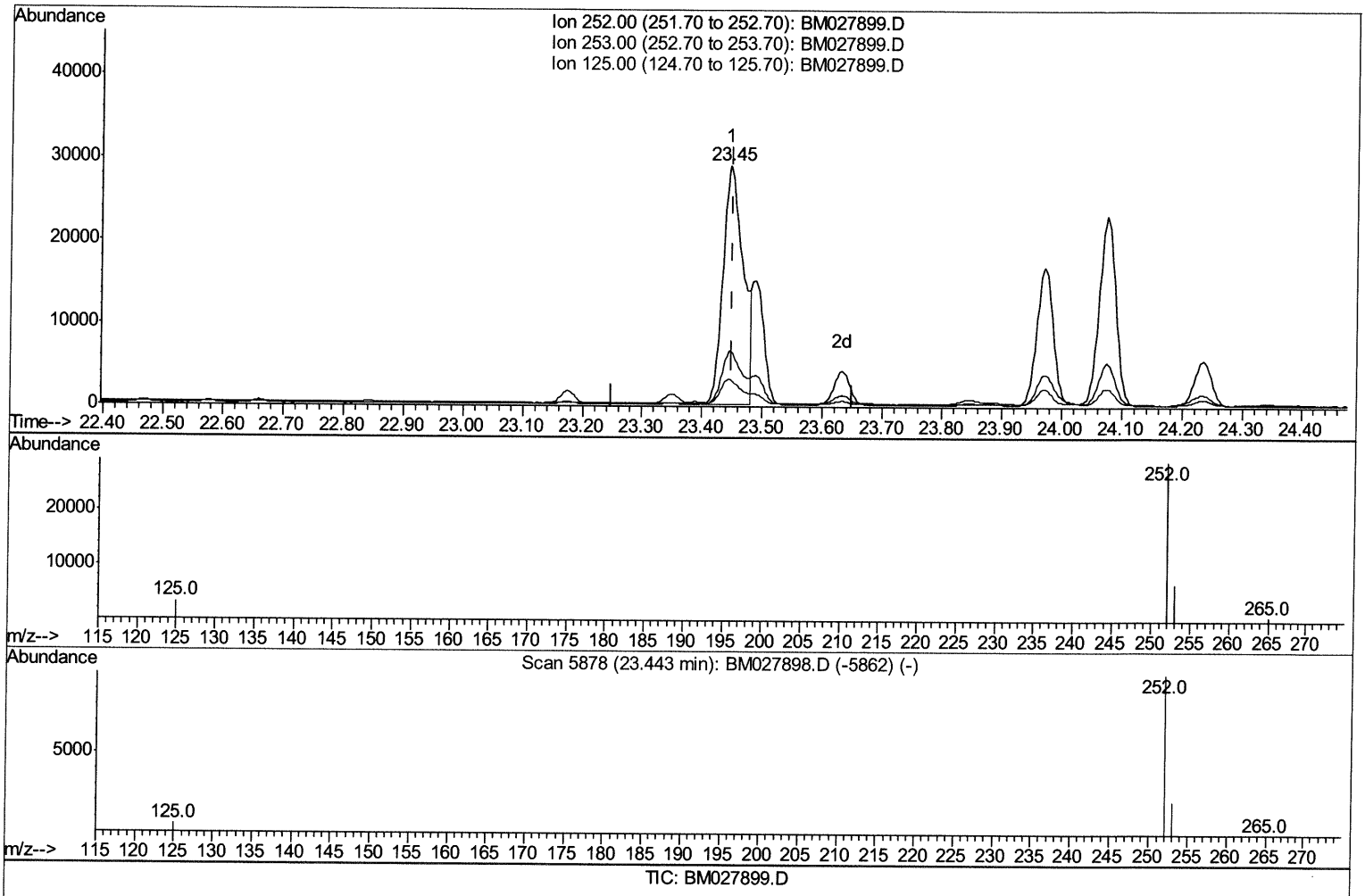
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112020\
Data File : BM027899.D
Acq On : 22 Nov 2020 03:12
Operator : JU/CG
Sample : L4711-24
Misc :
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Nov 23 05:50:12 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 23 04:04:52 2020
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
C0BF6

**Manual Integrations APPROVED**
mohammad
11/24/2020 8:59:27 AM




(21) Benzo(b)fluoranthene

23.445min (-0.005) 7.71ng/ul m 11/27/2054

response 67128

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 29.80 | 23.29 |
| 125.00 | 14.20 | 11.32 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112020\
Data File : BM027899.D
Acq On : 22 Nov 2020 03:12
Operator : JU/CG
Sample : L4711-24
Misc :
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Nov 23 05:50:12 2020
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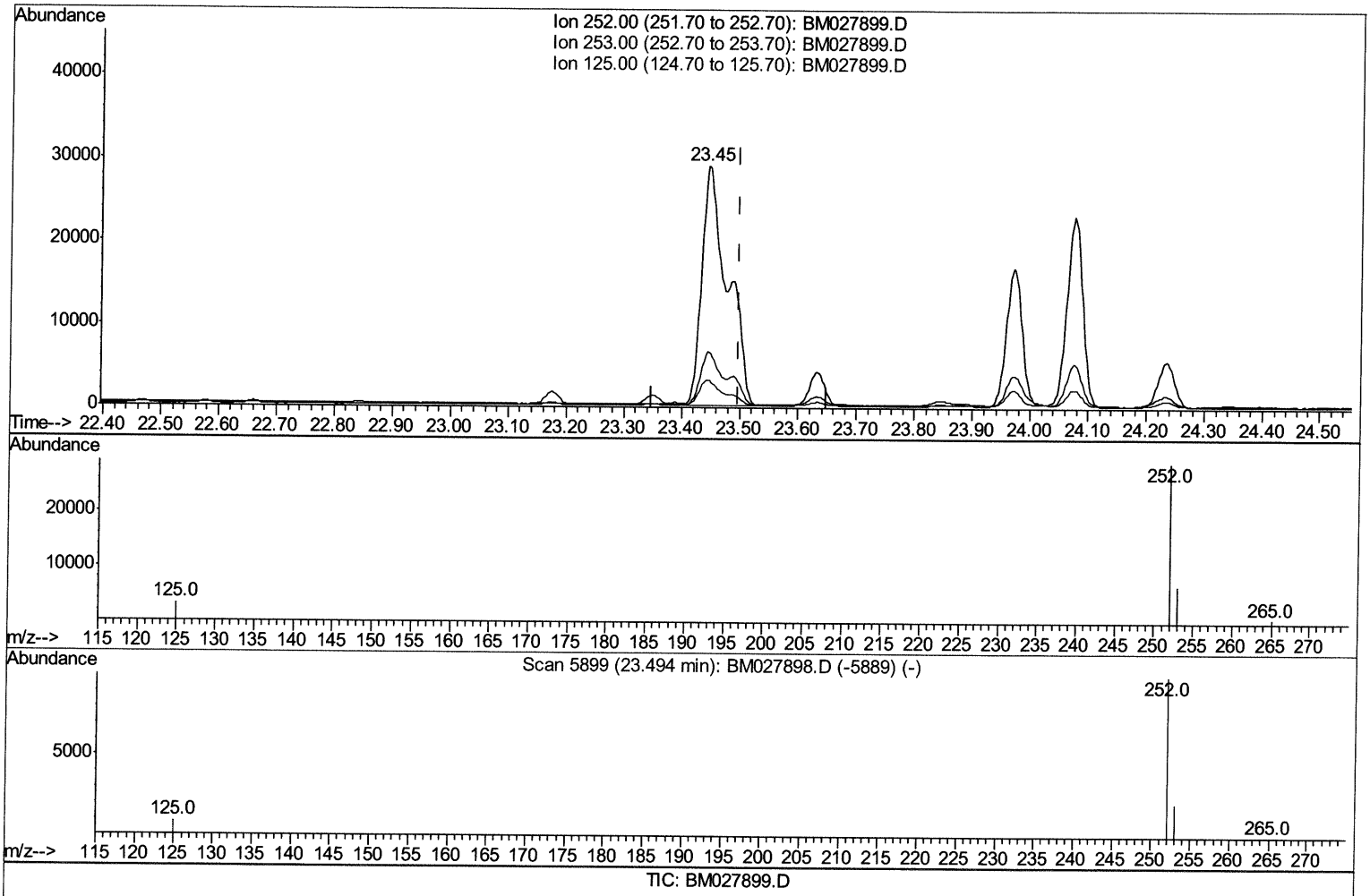
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 23 04:04:52 2020
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
C0BF6

**Manual Integrations APPROVED**
mohammad
11/24/2020 8:59:27 AM




(22) Benzo(k)fluoranthene

23.445min (-0.053) 10.40ng/ul

response 88724

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 29.00 | 23.29 |
| 125.00 | 14.70 | 11.32# |
| 0.00 | 0.00 | 0.00 |

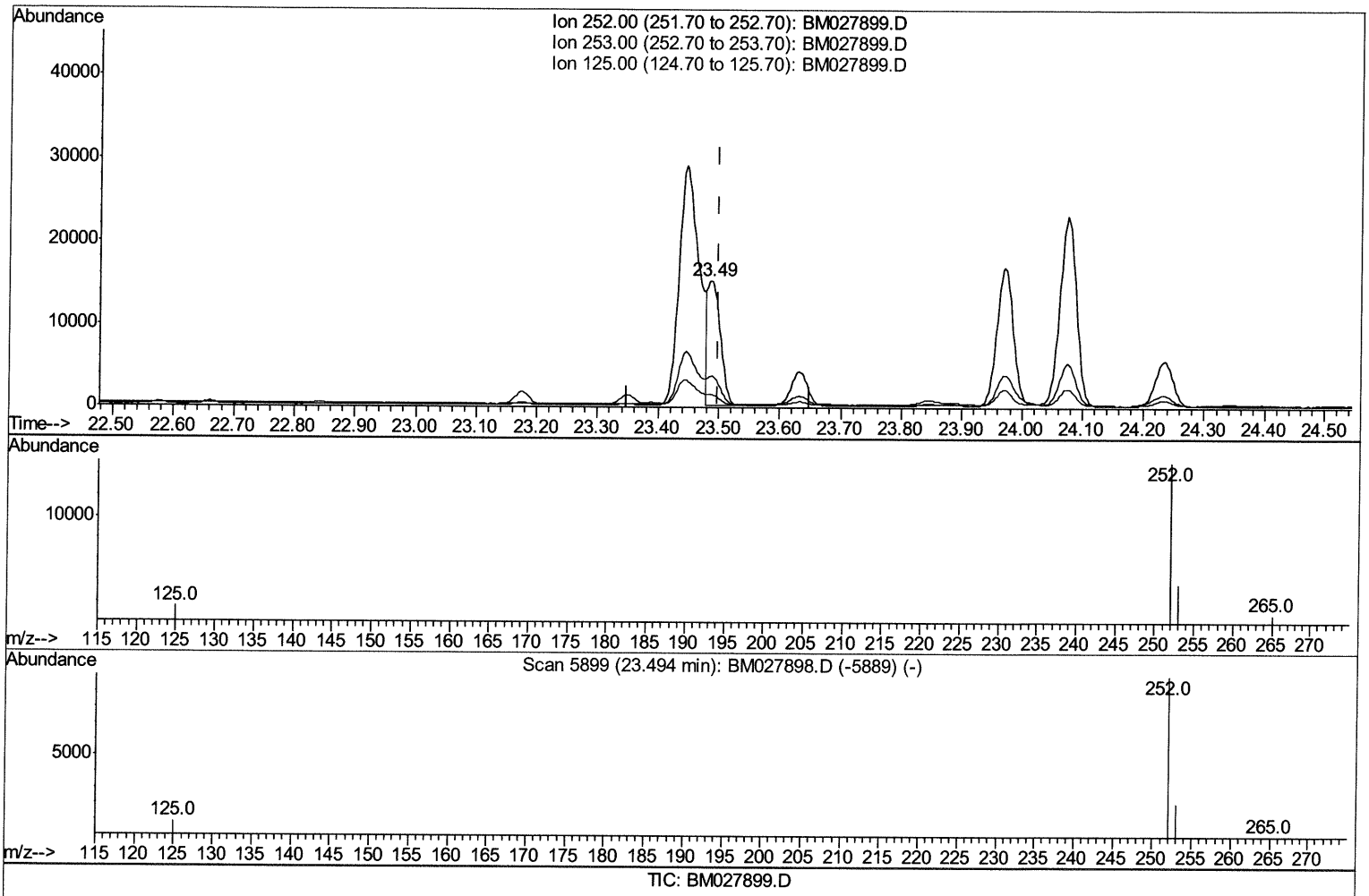
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112020\
Data File : BM027899.D
Acq On : 22 Nov 2020 03:12
Operator : JU/CG
Sample : L4711-24
Misc :
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Nov 23 05:50:12 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 23 04:04:52 2020
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
C0BF6

**Manual Integrations APPROVED**
mohammad
11/24/2020 8:59:27 AM




TIC: BM027899.D

(22) Benzo(k)fluoranthene

23.489min (-0.010) 2.52ng/ul m 11/27/2020

response 21484

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 29.00 | 24.77 |
| 125.00 | 14.70 | 10.11# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112020\
Data File : BM027899.D
Acq On : 22 Nov 2020 03:12
Operator : JU/CG
Sample : L4711-24
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0BF6

Manual Integrations APPROVED
mohammad
11/24/2020 8:59:27 AM

Quant Time: Nov 23 05:52:31 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 23 04:04:52 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.33 | 152 | 1086 | 0.40 | ng/ul | 0.00 |
| 2) Naphthalene-d8 | 11.17 | 136 | 4238 | 0.40 | ng/ul | 0.00 |
| 6) Acenaphthene-d10 | 14.95 | 164 | 2547 | 0.40 | ng/ul | 0.00 |
| 10) Phenanthrene-d10 | 17.66 | 188 | 4266m > | 0.40 | ng/ul > | 0.00 11/27/2034 |
| 16) Chrysene-d12 | 21.76 | 240 | 2278 | 0.40 | ng/ul | 0.00 |
| 20) Perylene-d12 | 24.18 | 264 | 2072 | 0.40 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Methylnaphthalene-d10 | 12.73 | 152 | 1743 | 0.24 | ng/ul | 0.00 |
| 14) Fluoranthene-d10 | 19.65 | 212 | 2601 | 0.23 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 3) Naphthalene | 11.22 | 128 | 857 | 0.067 | ng/ul# | 85 |
| 5) 2-Methylnaphthalene | 12.80 | 142 | 904 | 0.105 | ng/ul | 100 |
| 7) Acenaphthylene | 14.68 | 152 | 954 | 0.077 | ng/ul# | 83 |
| 8) Acenaphthene | 15.01 | 153 | 6415 | 0.689 | ng/ul | 99 |
| 9) Fluorene | 15.98 | 166 | 6793 | 0.629 | ng/ul | 100 |
| 12) Phenanthrene | 17.70 | 178 | 120154 | 8.916 | ng/ul | 97 |
| 13) Anthracene | 17.79 | 178 | 26223 | 2.017 | ng/ul | 98 |
| 15) Fluoranthene | 19.68 | 202 | 168278 | 11.262 | ng/ul | 100 |
| 17) Pyrene | 20.04 | 202 | 129901 | 11.228 | ng/ul | 99 |
| 18) Benzo(a)anthracene | 21.74 | 228 | 55631 | 6.053 | ng/ul | 100 |
| 19) Chrysene | 21.80 | 228 | 57326 | 6.403 | ng/ul | 98 |
| 21) Benzo(b)fluoranthene | 23.45 | 252 | 67128m } | 7.709 | ng/ul } | 11/27/2034 |
| 22) Benzo(k)fluoranthene | 23.49 | 252 | 21484m } | 2.519 | ng/ul } | |
| 23) Benzo(a)pyrene | 24.08 | 252 | 43841 | 5.758 | ng/ul# | 85 |
| 24) Indeno(1,2,3-cd)pyrene | 26.68 | 276 | 31010 | 3.762 | ng/ul# | 96 |
| 25) Dibenzo(a,h)anthracene | 26.68 | 278 | 7762 | 1.131 | ng/ul# | 92 |
| 26) Benzo(g,h,i)perylene | 27.45 | 276 | 30241 | 4.373 | ng/ul | 93 |

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