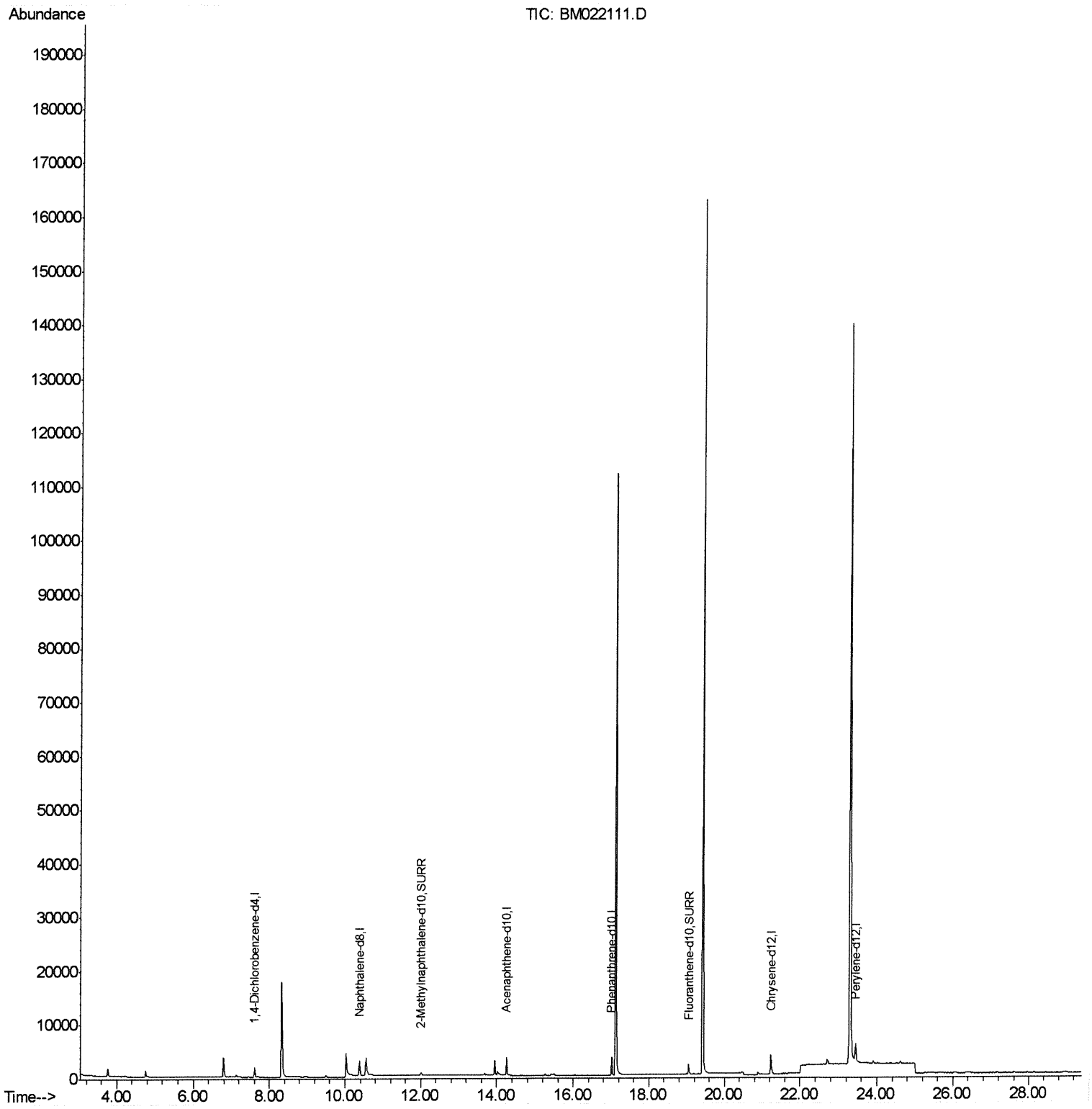
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022111.D
Acq On : 14 Aug 2019 16:58
Operator : HP/JU
Sample : K4183-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 14 18:21:01 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 :**
C0AH3

**Manual Integrations APPROVED**
mohammad
8/15/2019 5:09:11 PM

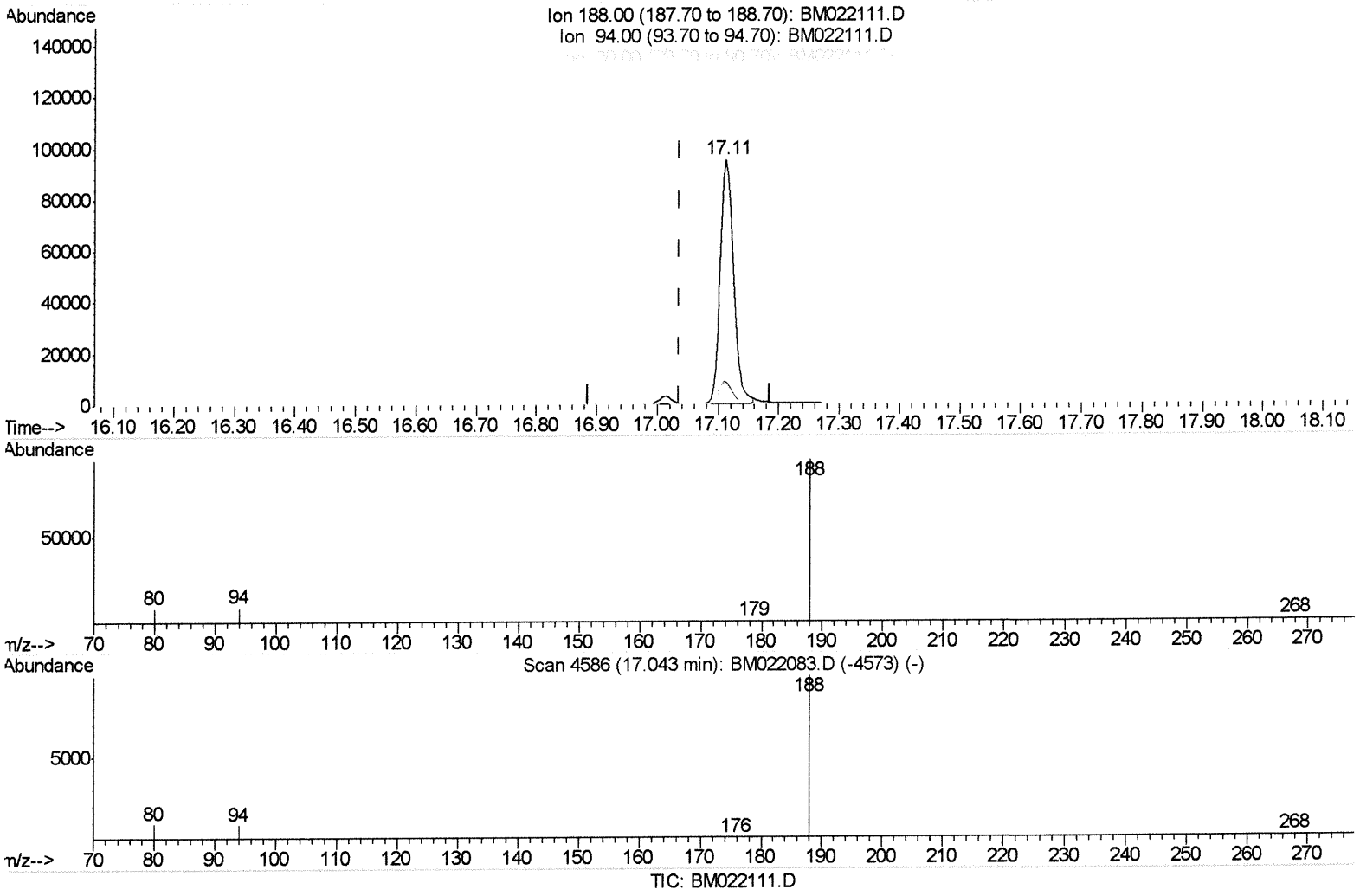


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022111.D
Acq On : 14 Aug 2019 16:58
Operator : HP/JU
Sample : K4183-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 14 18:18:53 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 :**
C0AH3

**Manual Integrations APPROVED**
mohammad
8/15/2019 5:09:11 PM



TIC: BM022111.D

(10) Phenanthrene-d10 (I)

17.112min (+0.076) 0.40ng/ul

response 143334

| Ion | Exp% | Act% |
|---|---|---|
| 188.00 | 100 | 100 |
| 94.00 | 10.40 | 9.07 |
| 80.00 | 11.40 | 8.57# |
| 0.00 | 0.00 | 0.00 |

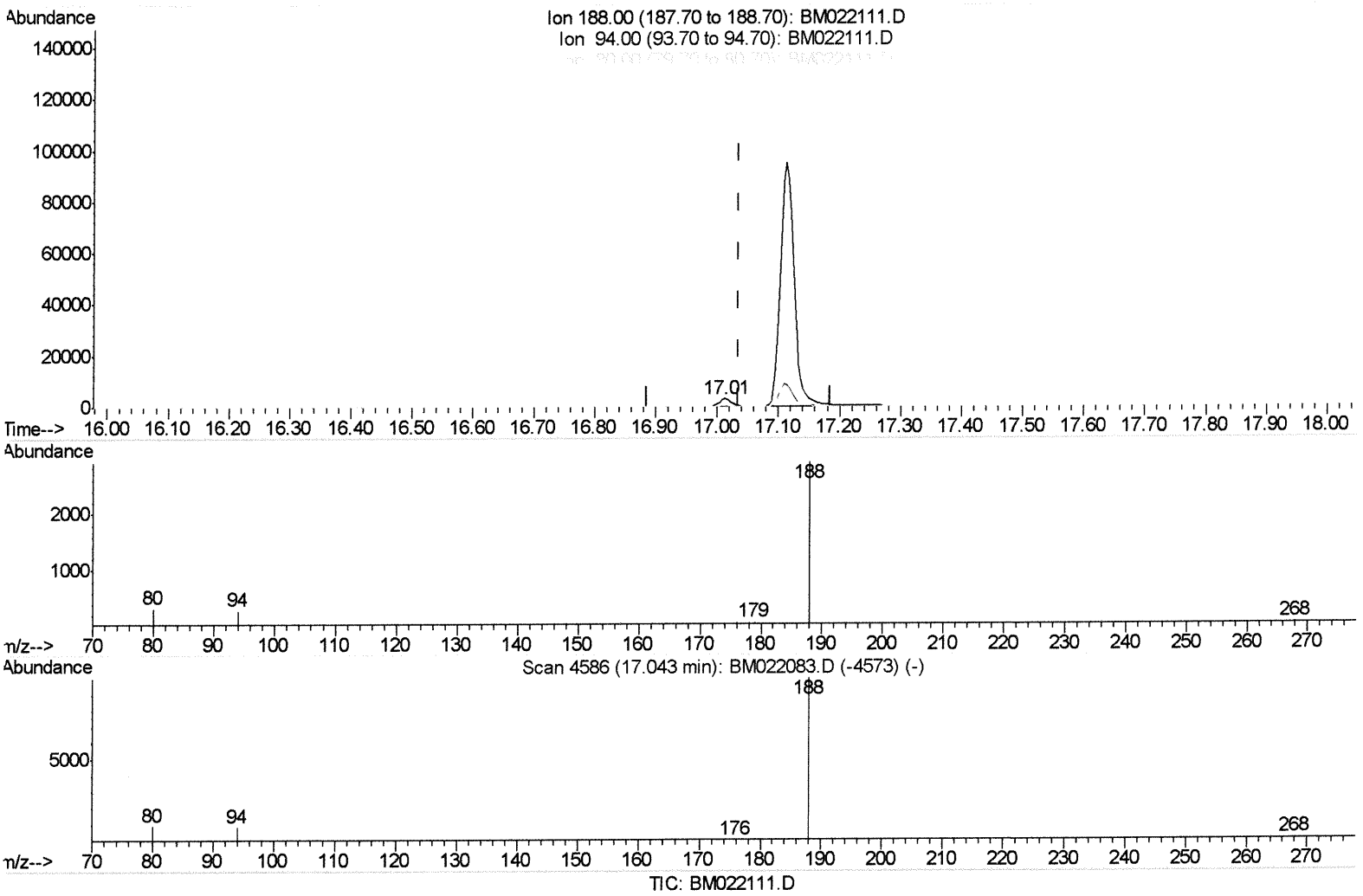
Quantitation Report (Quan)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022111.D
Acq On : 14 Aug 2019 16:58
Operator : HP/JU
Sample : K4183-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 14 18:18:53 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 :**
C0AH3

**Manual Integrations APPROVED**
mohammad
8/15/2019 5:09:11 PM




TIC: BM022111.D

(10) Phenanthrene-d10 (I)

17.011min (-0.024) 0.40ng/ul m JU 08/15/19

response 4321

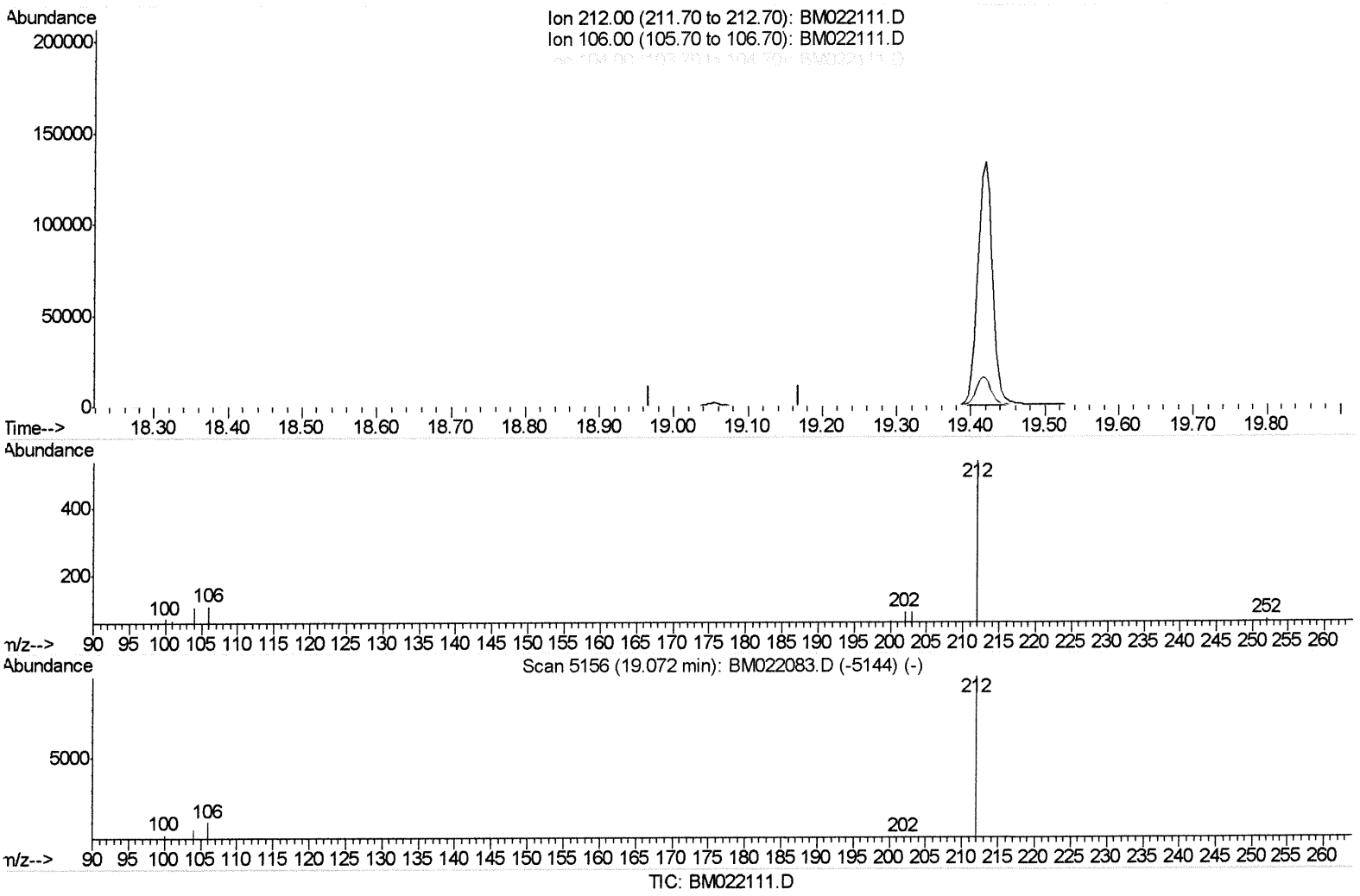
| Ion | Exp% | Act% |
|---|---|---|
| 188.00 | 100 | 100 |
| 94.00 | 10.40 | 10.08 |
| 80.00 | 11.40 | 11.46 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022111.D
Acq On : 14 Aug 2019 16:58
Operator : HP/JU
Sample : K4183-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 14 18:19:40 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 :**
C0AH3

**Manual Integrations APPROVED**
mohammad
8/15/2019 5:09:11 PM



TIC: BM022111.D

(14) Fluoranthene-d10 (SURR)

19.068min (-19.068) 0.00ng/ul

response 0

| Ion | Exp% | Act% |
|---|---|---|
| 212.00 | 100 | 0.00 |
| 106.00 | 9.90 | 0.00# |
| 104.00 | 6.00 | 0.00# |
| 0.00 | 0.00 | 0.00 |

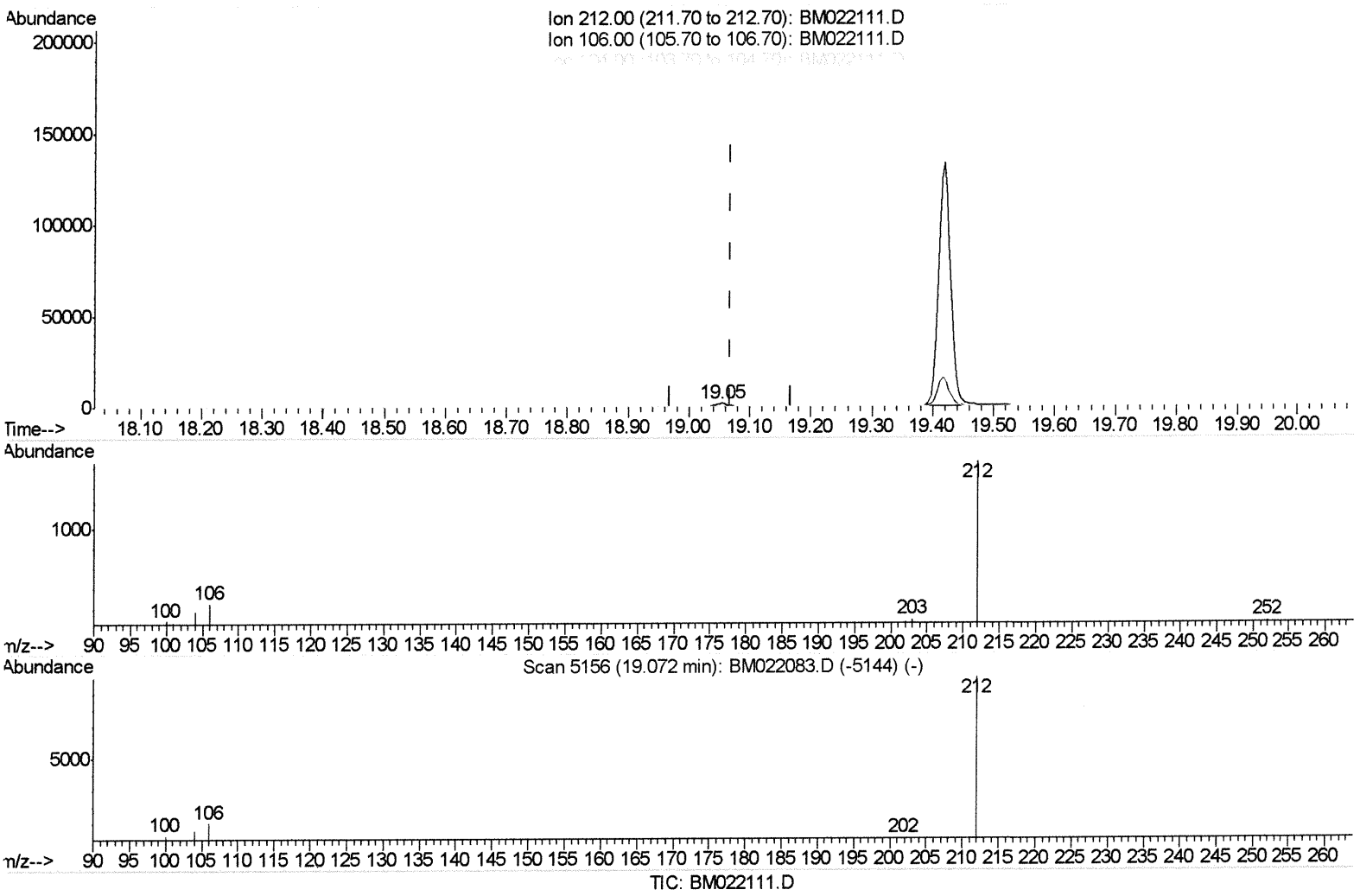
Quantitation Report (Quan)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022111.D
Acq On : 14 Aug 2019 16:58
Operator : HP/JU
Sample : K4183-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 14 18:19:40 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 :**
C0AH3

**Manual Integrations APPROVED**
mohammad
8/15/2019 5:09:11 PM



TIC: BM022111.D

(14) Fluoranthene-d10 (SURR)

19.053min (-0.015) 0.18ng/ul m JU 08/15/19

response 2553

| Ion | Exp% | Act% |
|---|---|---|
| 212.00 | 100 | 100 |
| 106.00 | 9.90 | 0.00# |
| 104.00 | 6.00 | 0.00# |
| 0.00 | 0.00 | 0.00 |

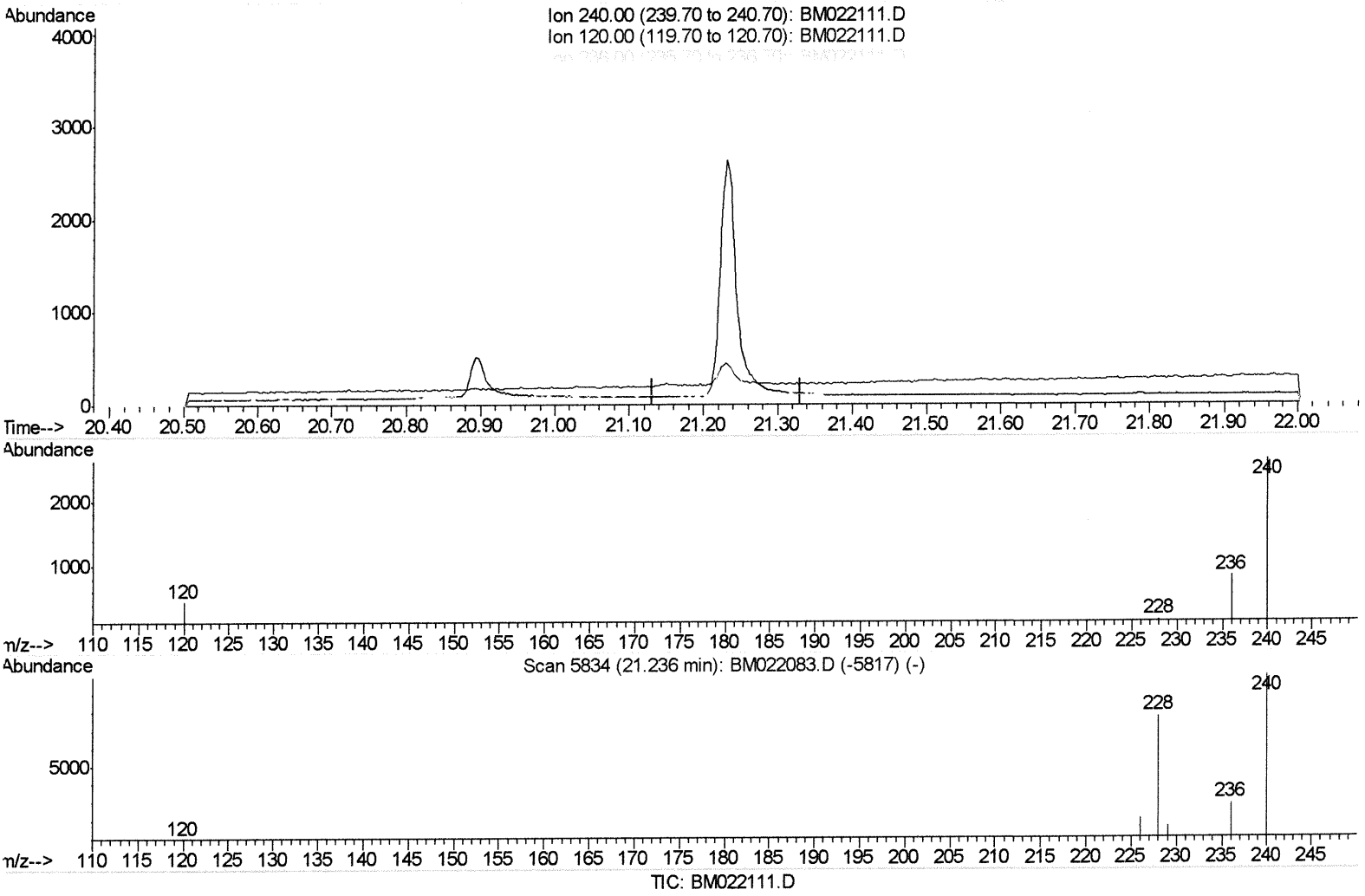
Quantitation Report (Quan)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022111.D
Acq On : 14 Aug 2019 16:58
Operator : HP/JU
Sample : K4183-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 14 18:19:40 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 :**
C0AH3

**Manual Integrations APPROVED**
mohammad
8/15/2019 5:09:11 PM










TIC: BM022111.D

(16) Chrysene-d12 (I)

21.231min (-21.231) 0.00ng/ul

response 0

| Ion | Exp% | Act% |
|---|---|---|
| 240.00 | 100 | 0.00 |
| 120.00 | 16.20 | 0.00# |
| 236.00 | 32.30 | 0.00# |
| 0.00 | 0.00 | 0.00 |

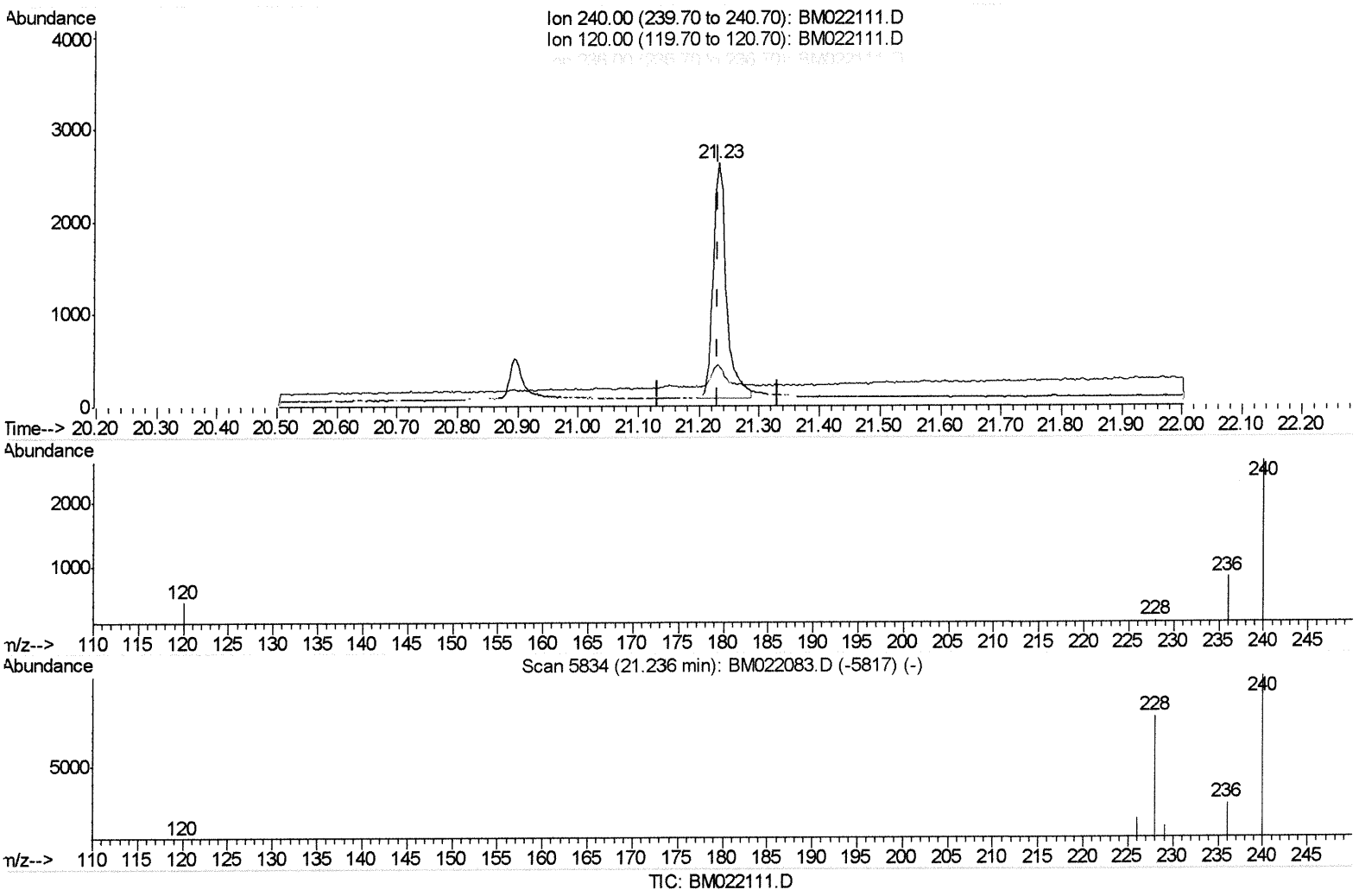
Quantitation Report (Quan)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022111.D
Acq On : 14 Aug 2019 16:58
Operator : HP/JU
Sample : K4183-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 14 18:19:40 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 :**
C0AH3

**Manual Integrations APPROVED**
mohammad
8/15/2019 5:09:11 PM




(16) Chrysene-d12 (I)

21.231min (-0.000) 0.40ng/ul m JU 08/15/19

response 3959

| Ion | Exp% | Act% |
|---|---|---|
| 240.00 | 100 | 100 |
| 120.00 | 16.20 | 16.83 |
| 236.00 | 32.30 | 31.23 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022111.D
Acq On : 14 Aug 2019 16:58
Operator : HP/JU
Sample : K4183-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0AH3

**Manual Integrations APPROVED**
mohammad
8/15/2019 5:09:11 PM

Quant Time: Aug 14 18:21:01 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 | 971 | 0.40 | ng/ul | -0.01 |
| 2) Naphthalene-d8 | 10.38 | 136 | 3805 | 0.40 | ng/ul | -0.03 |
| 6) Acenaphthene-d10 | 14.26 | 164 | 1912 | 0.40 | ng/ul | -0.01 |
| 10) Phenanthrene-d10 | 17.01 | 188 | 4321m→ | 0.40 | ng/ul | -0.02 JU 08/15/19 |
| 16) Chrysene-d12 | 21.23 | 240 | 3959m→ | 0.40 | ng/ul | 0.00 |
| 20) Perylene-d12 | 23.43 | 264 | 4511 | 0.40 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Methylnaphthalene-d10 | 12.00 | 152 | 943 | 0.15 | ng/ul | 0.00 |
| 14) Fluoranthene-d10 | 19.05 | 212 | 2553m → | 0.18 | ng/ul | -0.02 JU 08/15/19 |

| Target Compounds | Qvalue |
|---|---|

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