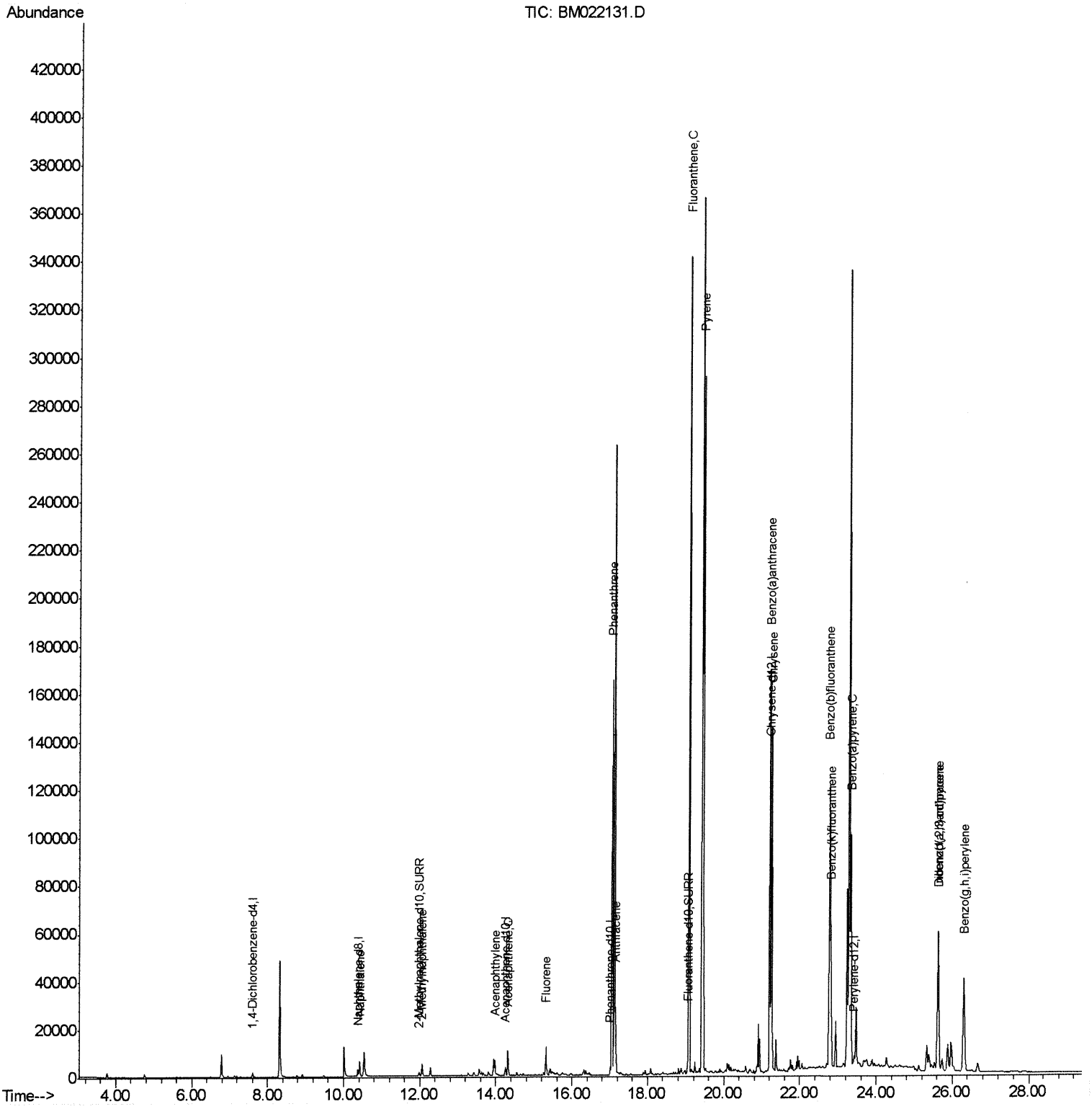
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022131.D
Acq On : 15 Aug 2019 06:25
Operator : HP/JU
Sample : K4304-11
Misc :
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Aug 15 13:02:53 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 :**
CB5P2

**Manual Integrations APPROVED**
mohammad
8/15/2019 5:10:15 PM



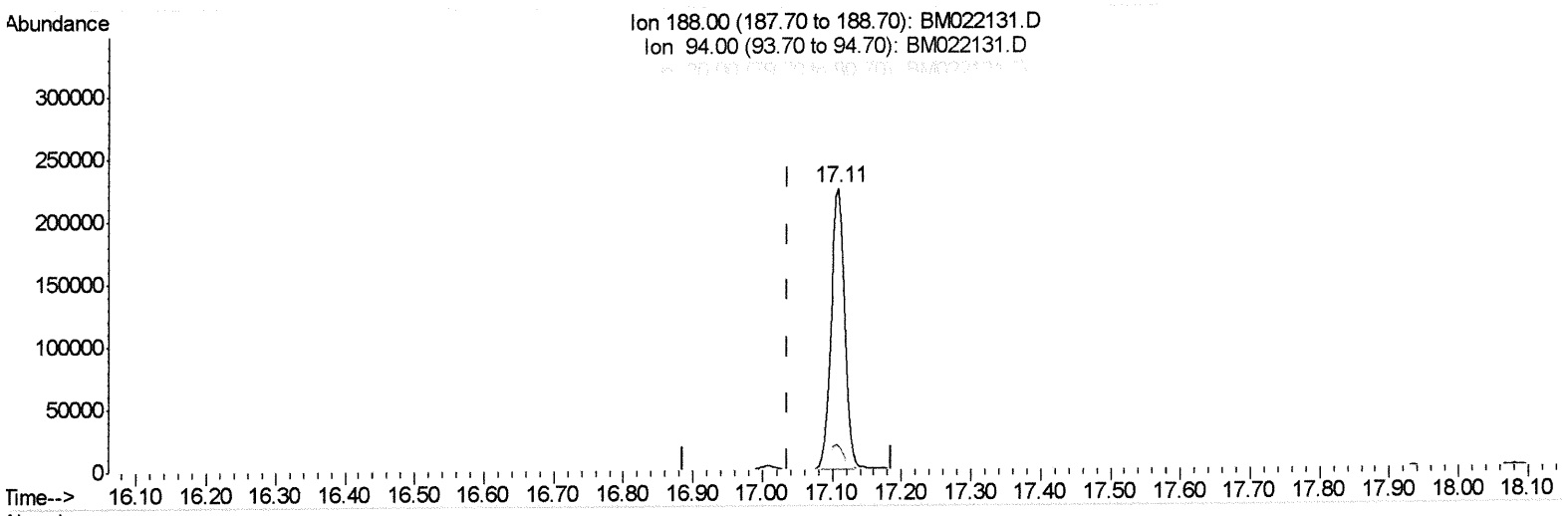
Quantitation Report (Qedit)

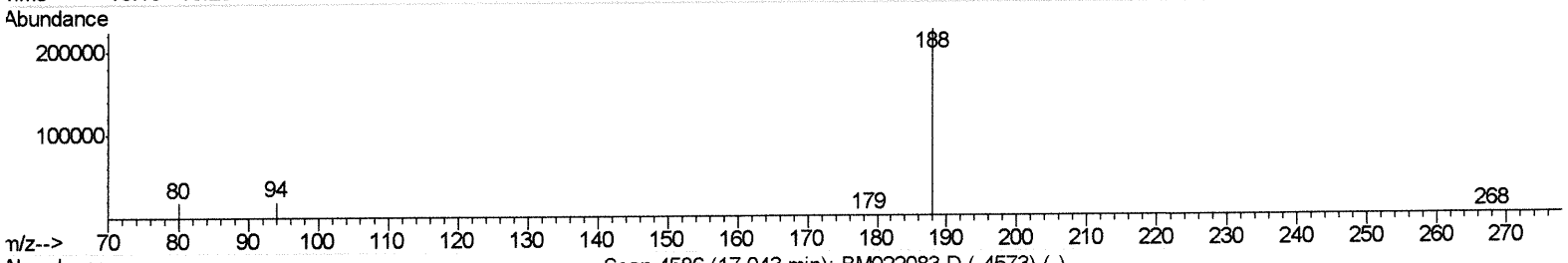
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022131.D
Acq On : 15 Aug 2019 06:25
Operator : HP/JU
Sample : K4304-11
Misc :
ALS Vial : 34 Sample Multiplier: 1

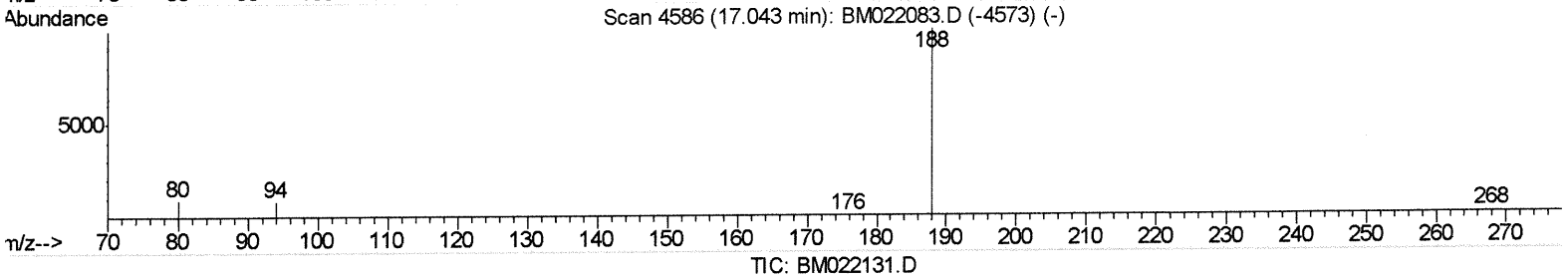
Quant Time: Aug 15 12:51:34 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
CB5P2

**Manual Integrations APPROVED**
mohammad
8/15/2019 5:10:15 PM




TIC: BM022131.D

(10) Phenanthrene-d10 (I)

17.108min (+0.073) 0.40ng/ul

response 307479

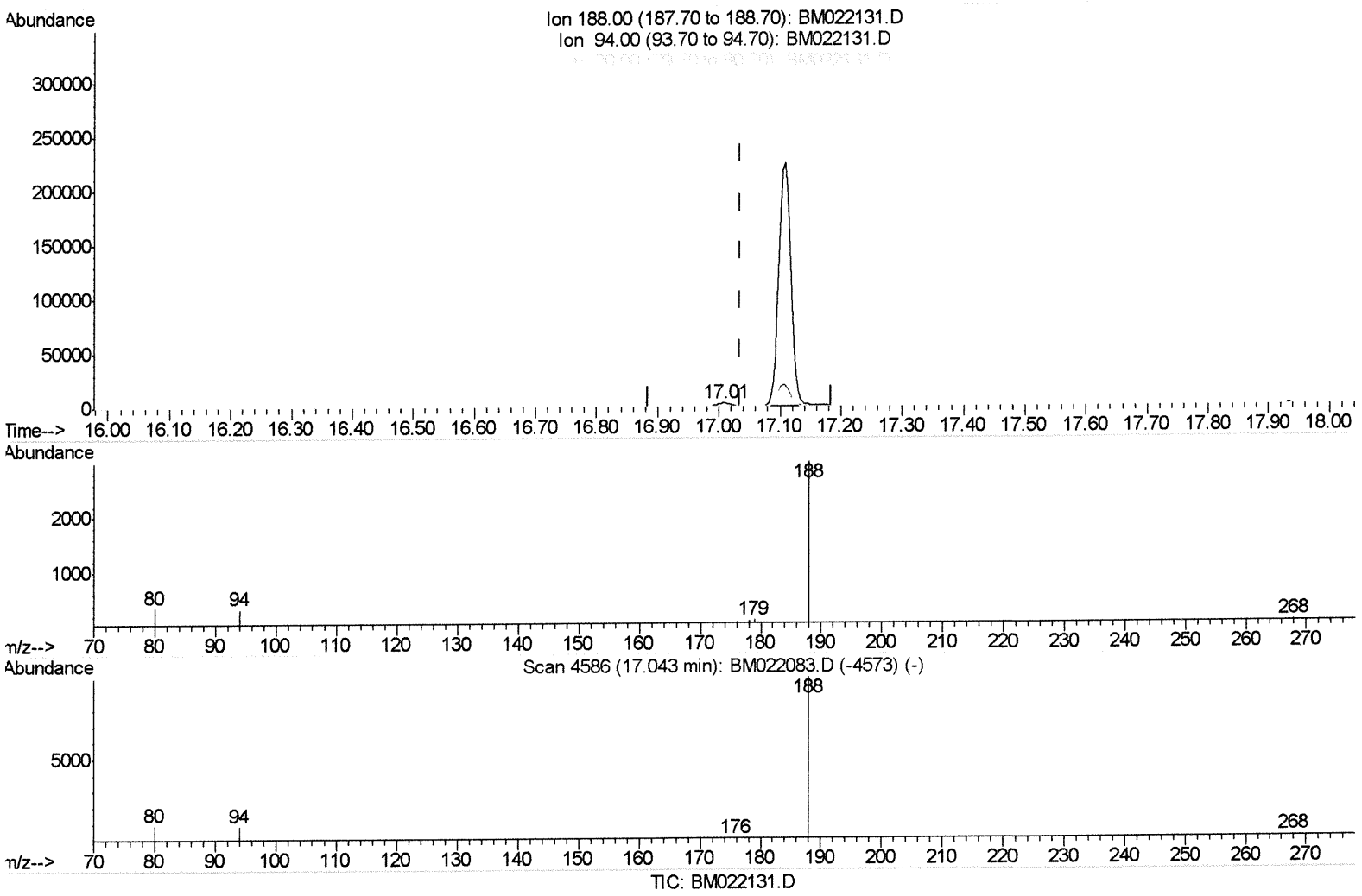
| Ion | Exp% | Act% |
|---|---|---|
| 188.00 | 100 | 100 |
| 94.00 | 10.40 | 8.54 |
| 80.00 | 11.40 | 8.10# |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022131.D
Acq On : 15 Aug 2019 06:25
Operator : HP/JU
Sample : K4304-11
Misc :
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Aug 15 12:51:34 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 :**
CB5P2

**Manual Integrations APPROVED**
mohammad
8/15/2019 5:10:15 PM




TIC: BM022131.D

(10) Phenanthrene-d10 (I)

17.008min (-0.028) 0.40ng/ul m JU 08/15/19

response 4407

| Ion | Exp% | Act% |
|---|---|---|
| 188.00 | 100 | 100 |
| 94.00 | 10.40 | 10.71 |
| 80.00 | 11.40 | 11.47 |
| 0.00 | 0.00 | 0.00 |

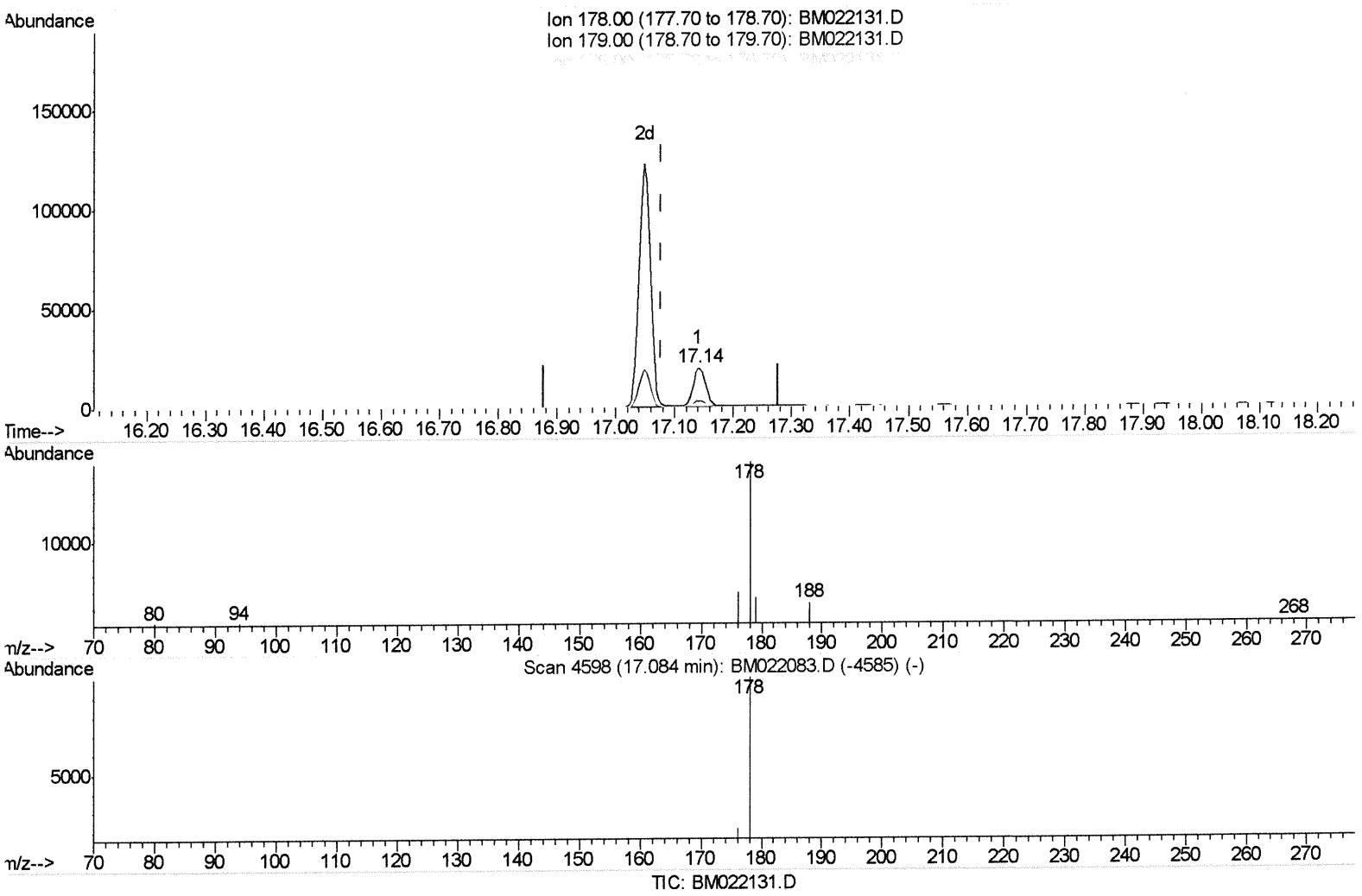
Quantitation Report (Quan)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022131.D
Acq On : 15 Aug 2019 06:25
Operator : HP/JU
Sample : K4304-11
Misc :
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Aug 15 12:52:04 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 :**
CB5P2

**Manual Integrations APPROVED**
mohammad
8/15/2019 5:10:15 PM




(12) Phenanthrene

17.140min (+0.062) 2.33ng/ul

response 29821

| Ion | Exp% | Act% |
|---|---|---|
| 178.00 | 100 | 100 |
| 179.00 | 17.70 | 15.72 |
| 176.00 | 21.00 | 19.38 |
| 0.00 | 0.00 | 0.00 |

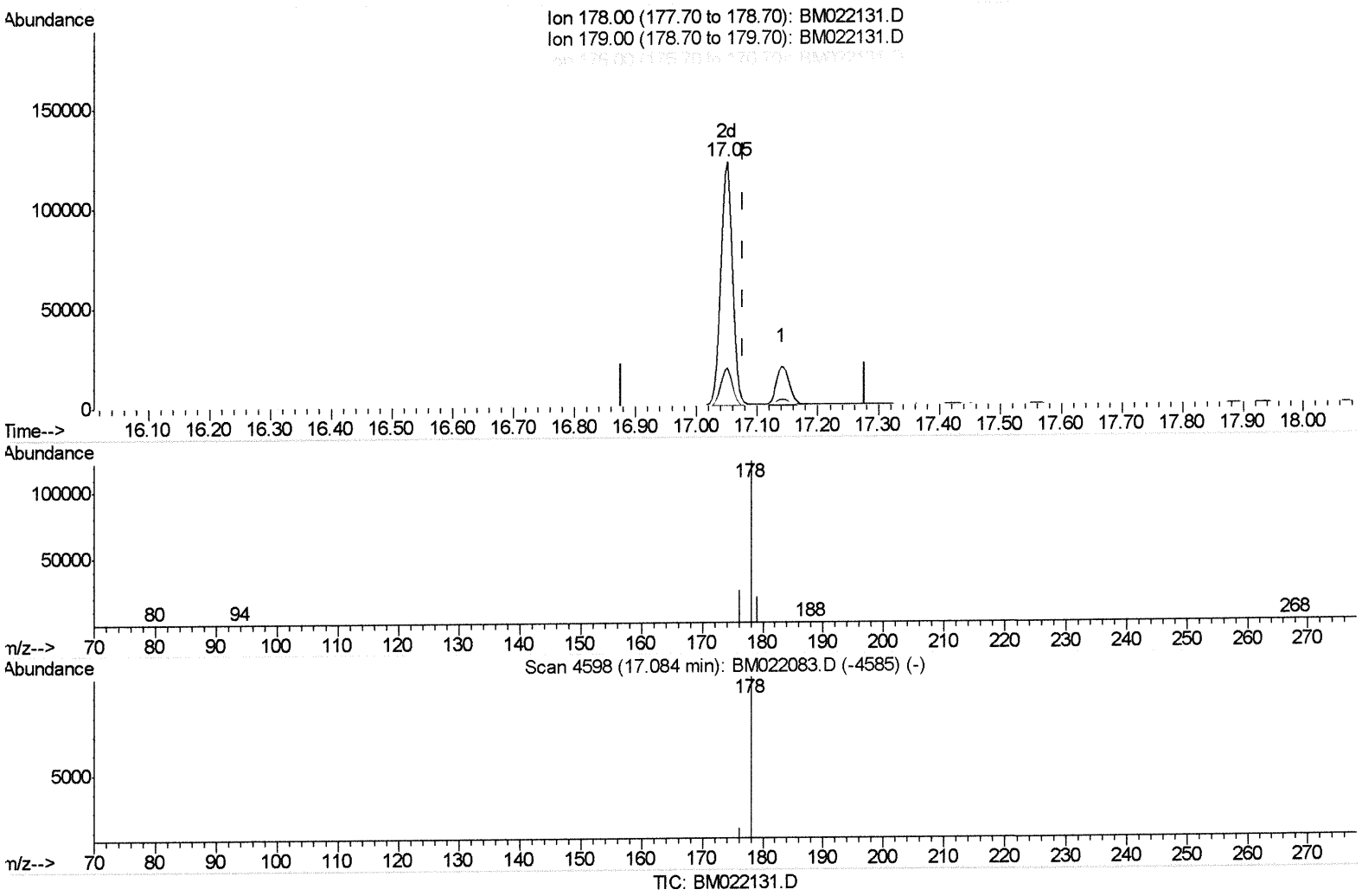
Quantitation Report (Quant)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022131.D
Acq On : 15 Aug 2019 06:25
Operator : HP/JU
Sample : K4304-11
Misc :
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Aug 15 12:52:04 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 :**
CB5P2

**Manual Integrations APPROVED**
mohammad
8/15/2019 5:10:15 PM



TIC: BM022131.D

(12) Phenanthrene

17.049min (-0.028) 13.15ng/ul m JU 08/15/19

response 168590

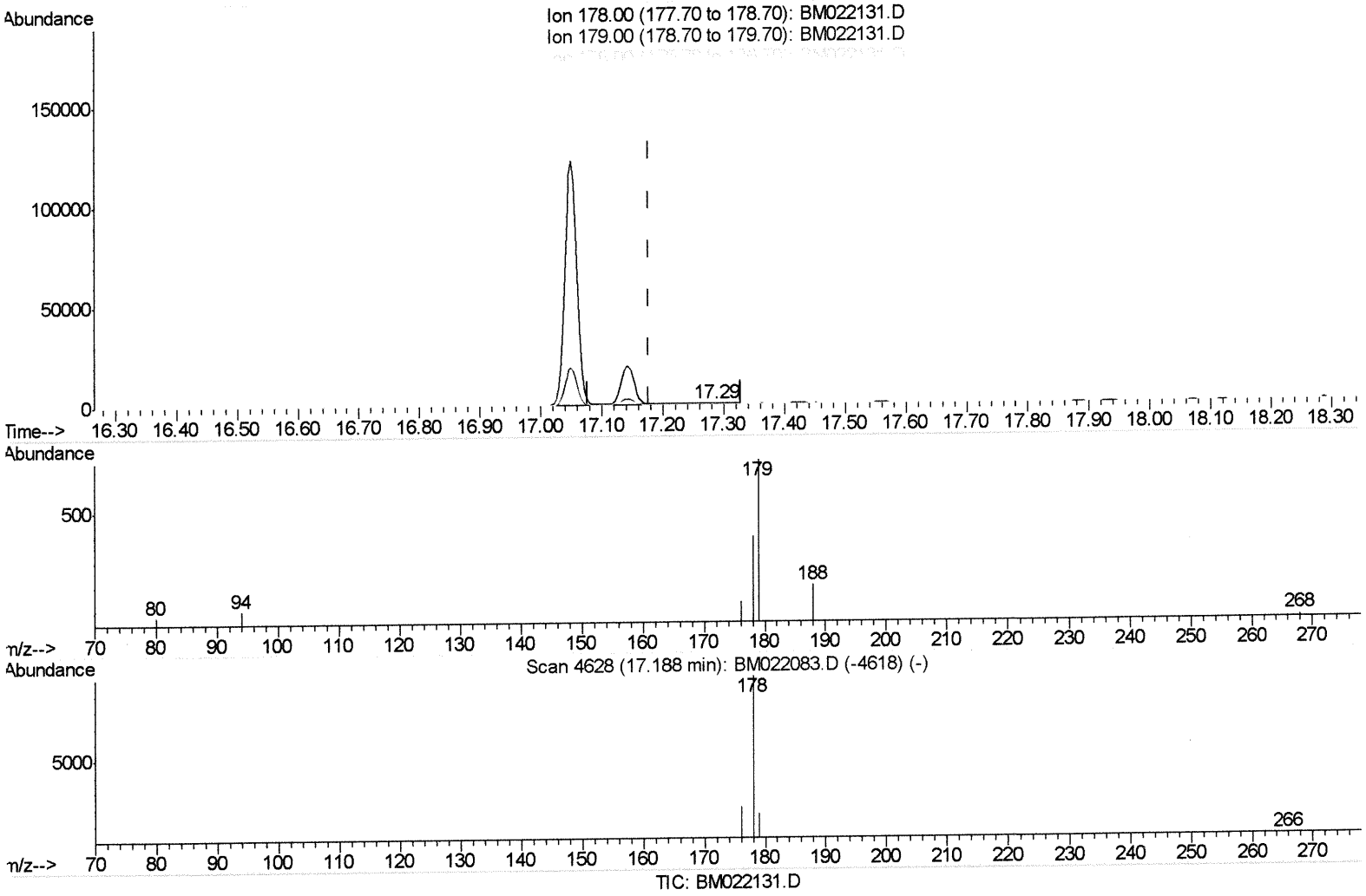
| Ion | Exp% | Act% |
|---|---|---|
| 178.00 | 100 | 100 |
| 179.00 | 17.70 | 15.54 |
| 176.00 | 21.00 | 19.60 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022131.D
Acq On : 15 Aug 2019 06:25
Operator : HP/JU
Sample : K4304-11
Misc :
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Aug 15 12:52:04 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 :**
CB5P2

**Manual Integrations APPROVED**
mohammad
8/15/2019 5:10:15 PM




(13) Anthracene

17.285min (+0.107) 0.05ng/ul

response 494

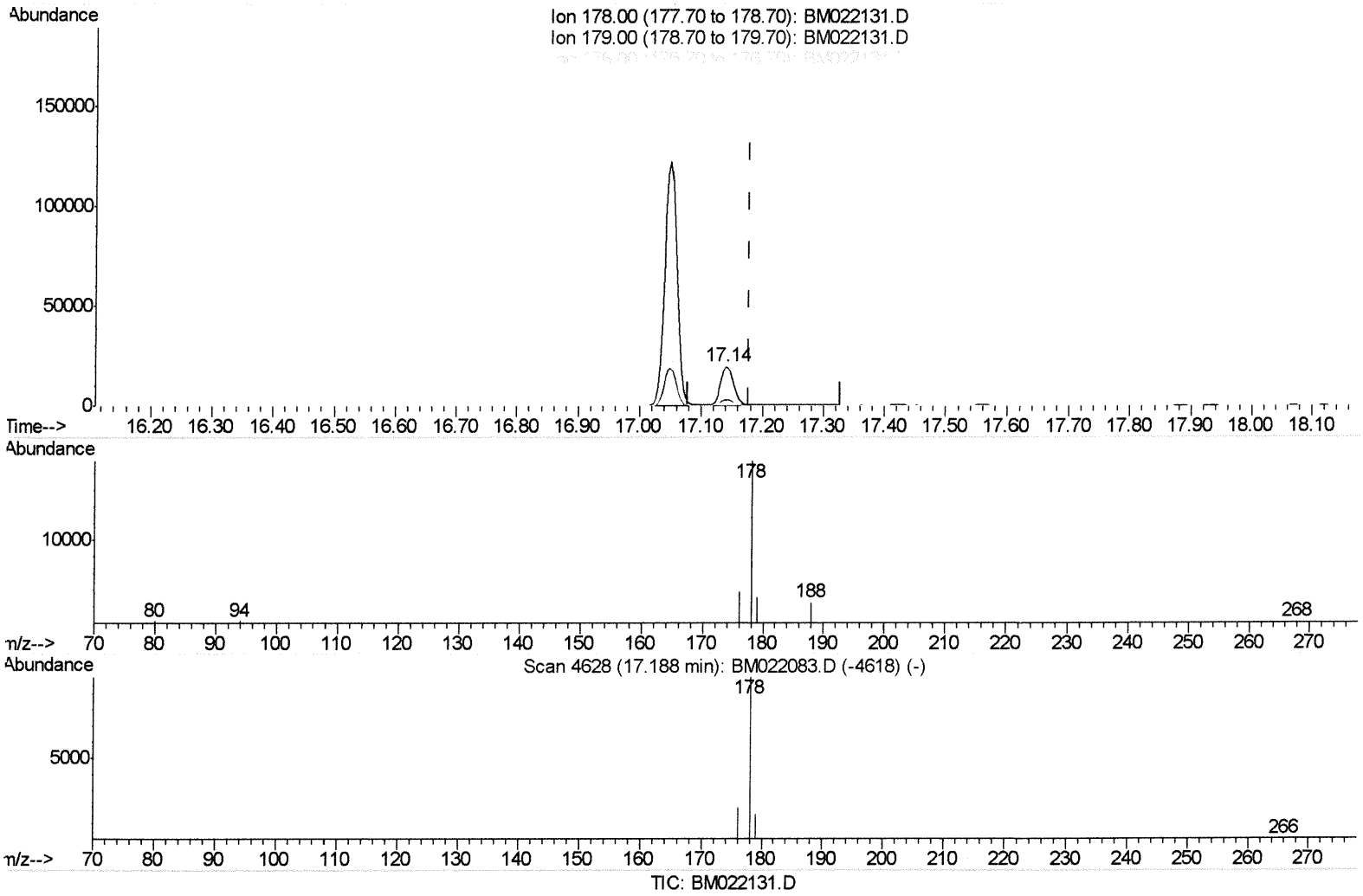
| Ion | Exp% | Act% |
|---|---|---|
| 178.00 | 100 | 100 |
| 179.00 | 19.40 | 178.06# |
| 176.00 | 20.80 | 33.67# |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022131.D
Acq On : 15 Aug 2019 06:25
Operator : HP/JU
Sample : K4304-11
Misc :
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Aug 15 12:52:04 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 :**
CB5P2

**Manual Integrations APPROVED**
mohammad
8/15/2019 5:10:15 PM



TIC: BM022131.D

(13) Anthracene

17.140min (-0.038) 2.71ng/ul m JU 08/15/19

response 29635

| Ion | Exp% | Act% |
|---|---|---|
| 178.00 | 100 | 100 |
| 179.00 | 19.40 | 15.72 |
| 176.00 | 20.80 | 19.38 |
| 0.00 | 0.00 | 0.00 |

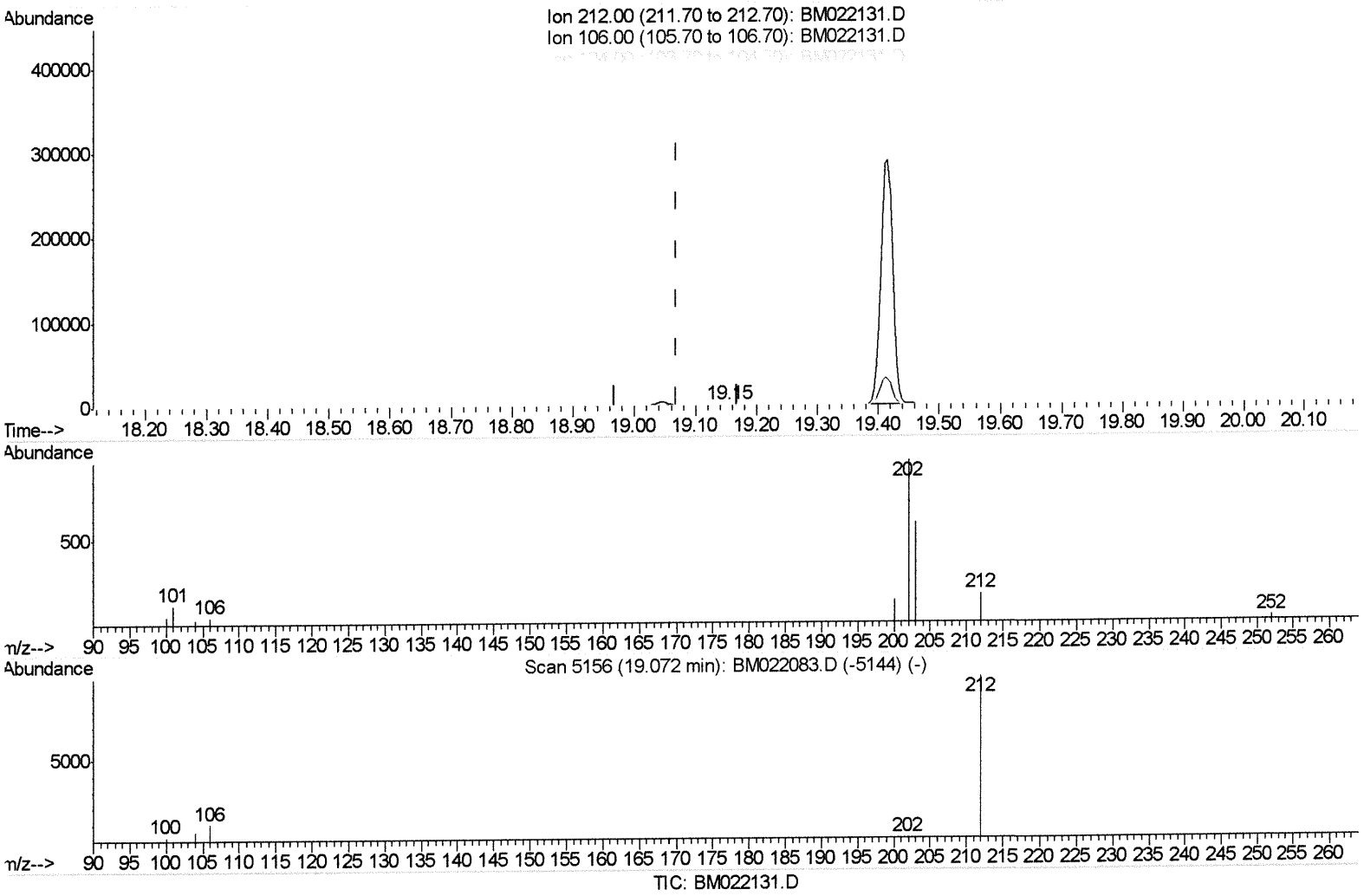
Quantification Report (Quant)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022131.D
Acq On : 15 Aug 2019 06:25
Operator : HP/JU
Sample : K4304-11
Misc :
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Aug 15 12:52:04 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 :**
CB5P2

**Manual Integrations APPROVED**
mohammad
8/15/2019 5:10:15 PM




(14) Fluoranthene-d10 (SURR)

19.152min (+0.084) 0.01ng/ul

response 217

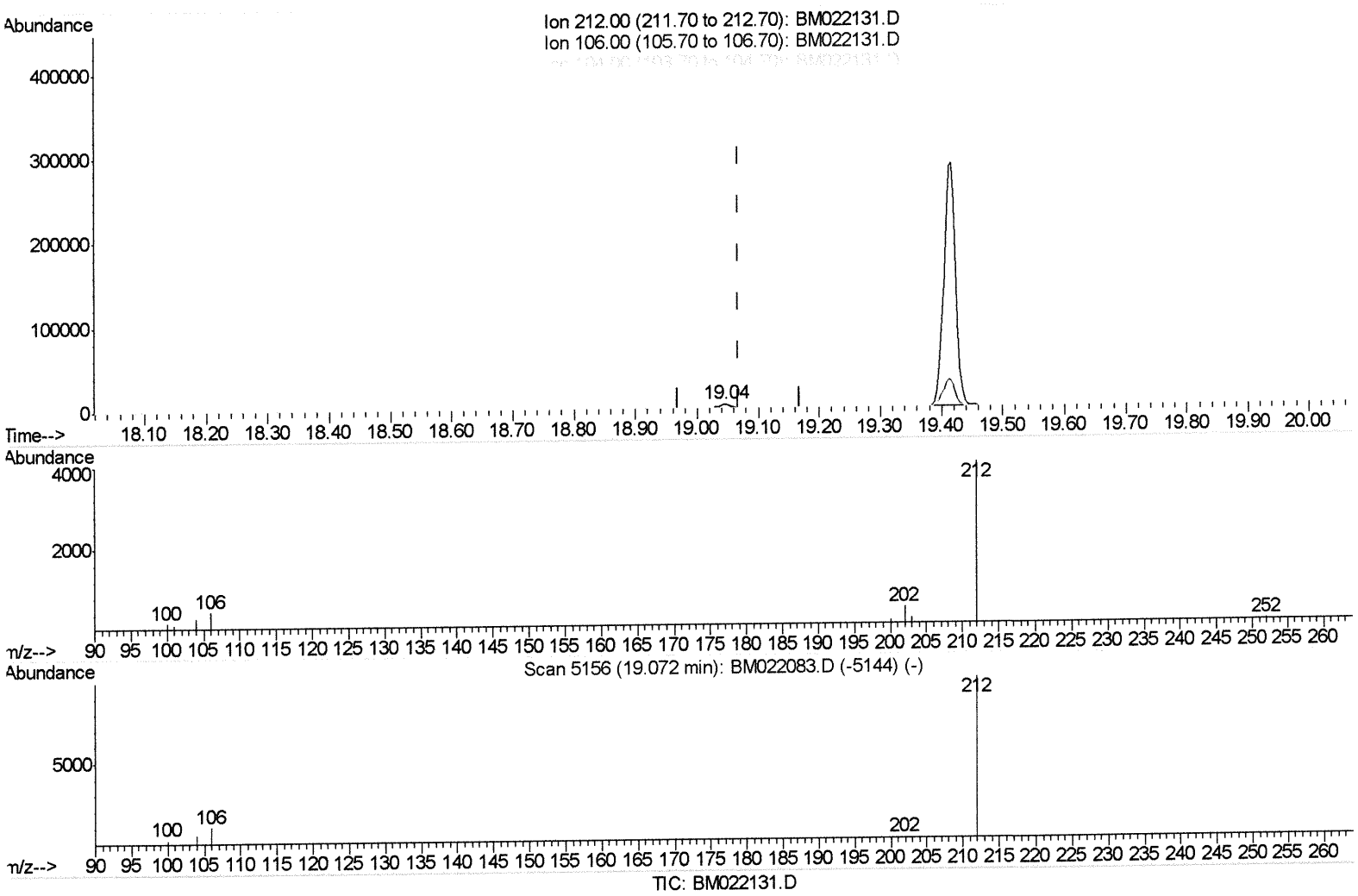
| Ion | Exp% | Act% |
|---|---|---|
| 212.00 | 100 | 100 |
| 106.00 | 9.90 | 8.76 |
| 104.00 | 6.00 | 15.21# |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022131.D
Acq On : 15 Aug 2019 06:25
Operator : HP/JU
Sample : K4304-11
Misc :
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Aug 15 12:52:04 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 :**
CB5P2

**Manual Integrations APPROVED**
mohammad
8/15/2019 5:10:15 PM



TIC: BM022131.D

(14) Fluoranthene-d10 (SURR)

19.045min (-0.023) 0.36ng/ul m JU 08/15/19

response 5318

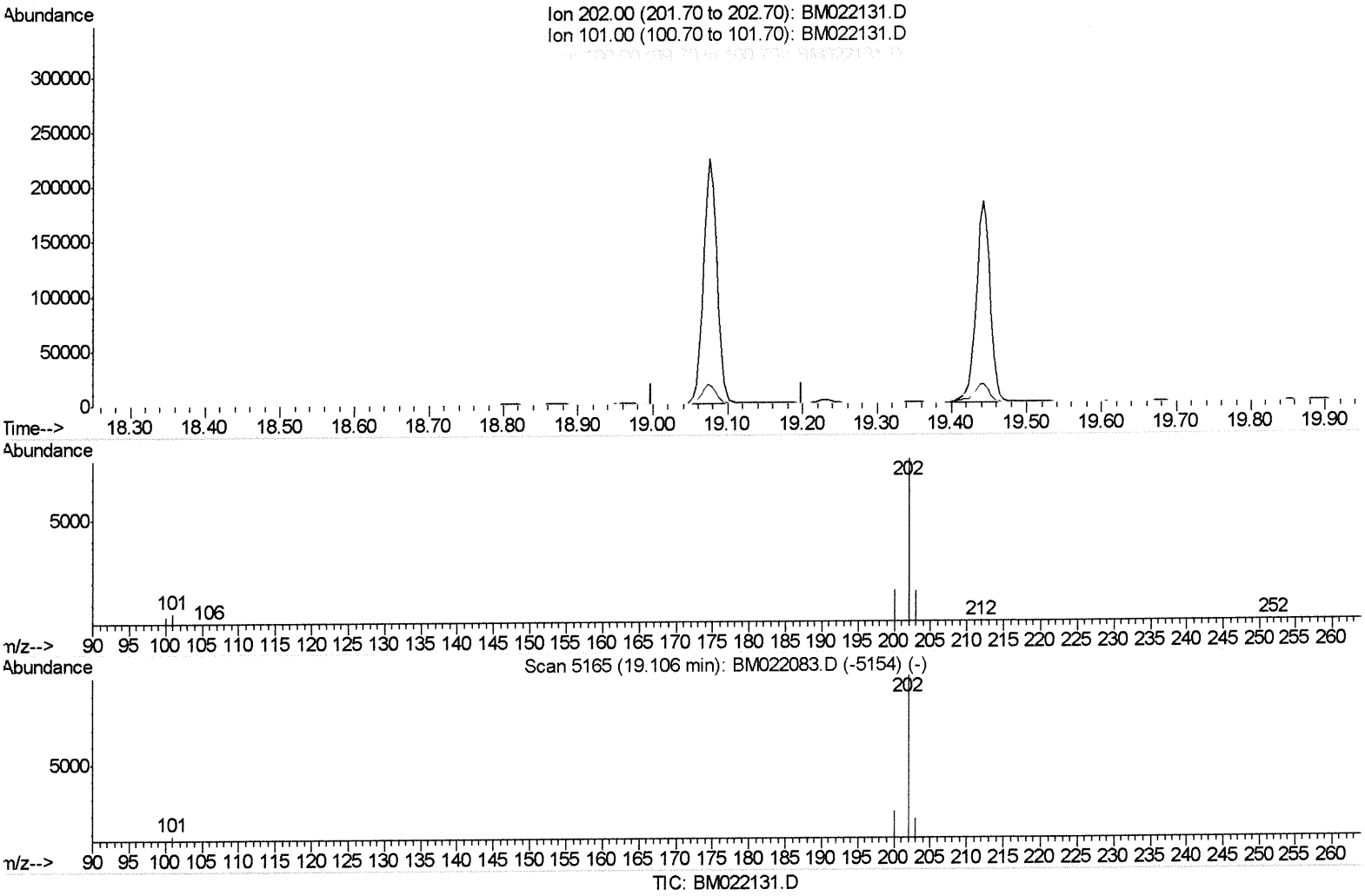
| Ion | Exp% | Act% |
|---|---|---|
| 212.00 | 100 | 100 |
| 106.00 | 9.90 | 0.36# |
| 104.00 | 6.00 | 0.62# |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022131.D
Acq On : 15 Aug 2019 06:25
Operator : HP/JU
Sample : K4304-11
Misc :
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Aug 15 12:52:04 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 :**
CB5P2

**Manual Integrations APPROVED**
mohammad
8/15/2019 5:10:15 PM




(15) Fluoranthene (C)

19.098min (-19.098) 0.00ng/ul

response 0

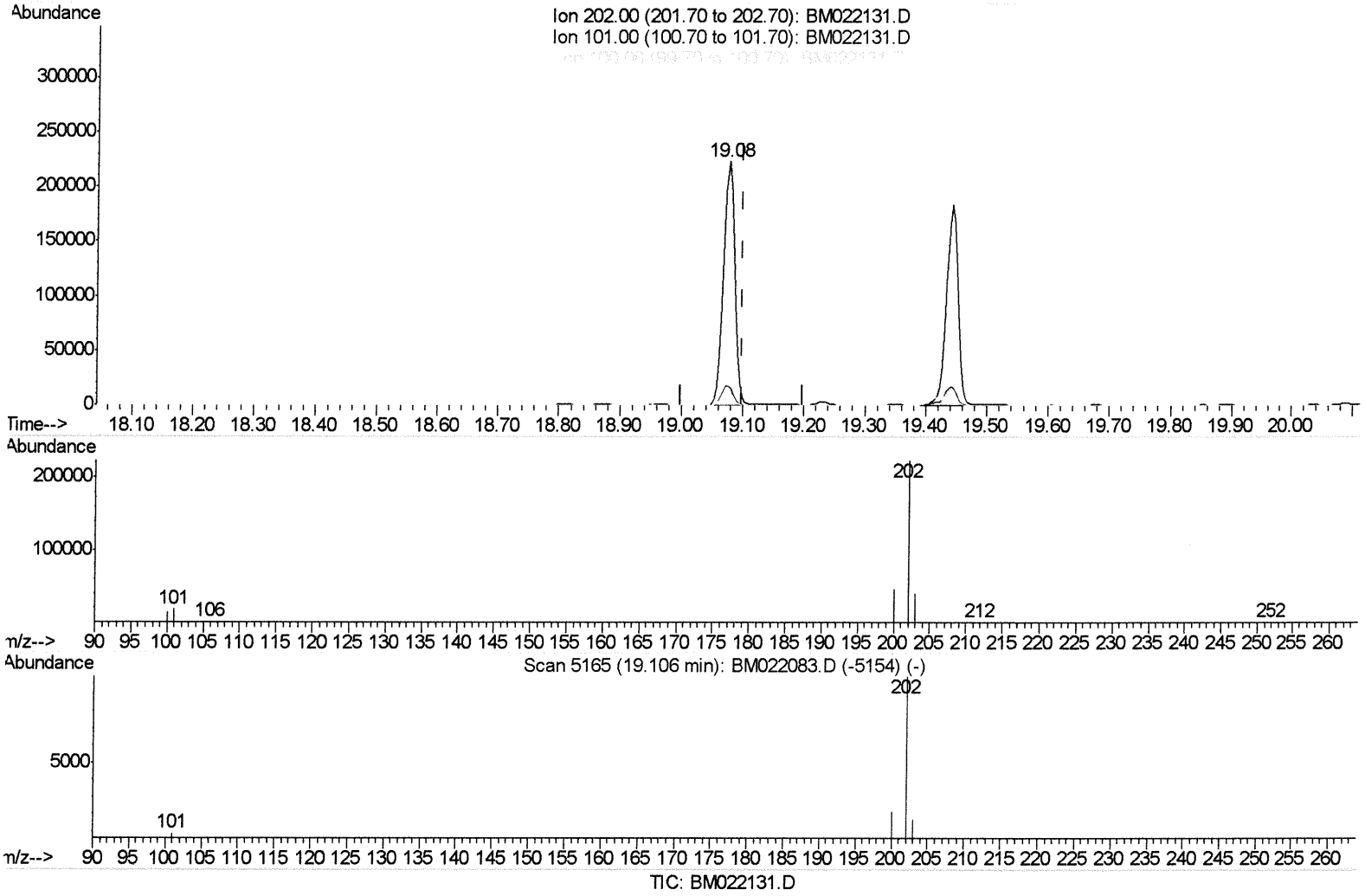
| Ion | Exp% | Act% |
|---|---|---|
| 202.00 | 100 | 0.00 |
| 101.00 | 10.20 | 0.00 |
| 100.00 | 8.10 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022131.D
Acq On : 15 Aug 2019 06:25
Operator : HP/JU
Sample : K4304-11
Misc :
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Aug 15 12:52:04 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 :**
CB5P2

**Manual Integrations APPROVED**
mohammad
8/15/2019 5:10:15 PM




TIC: BM022131.D

(15) Fluoranthene (C)

19.075min (-0.023) 16.29ng/ul m Ju 08/15/19

response 279877

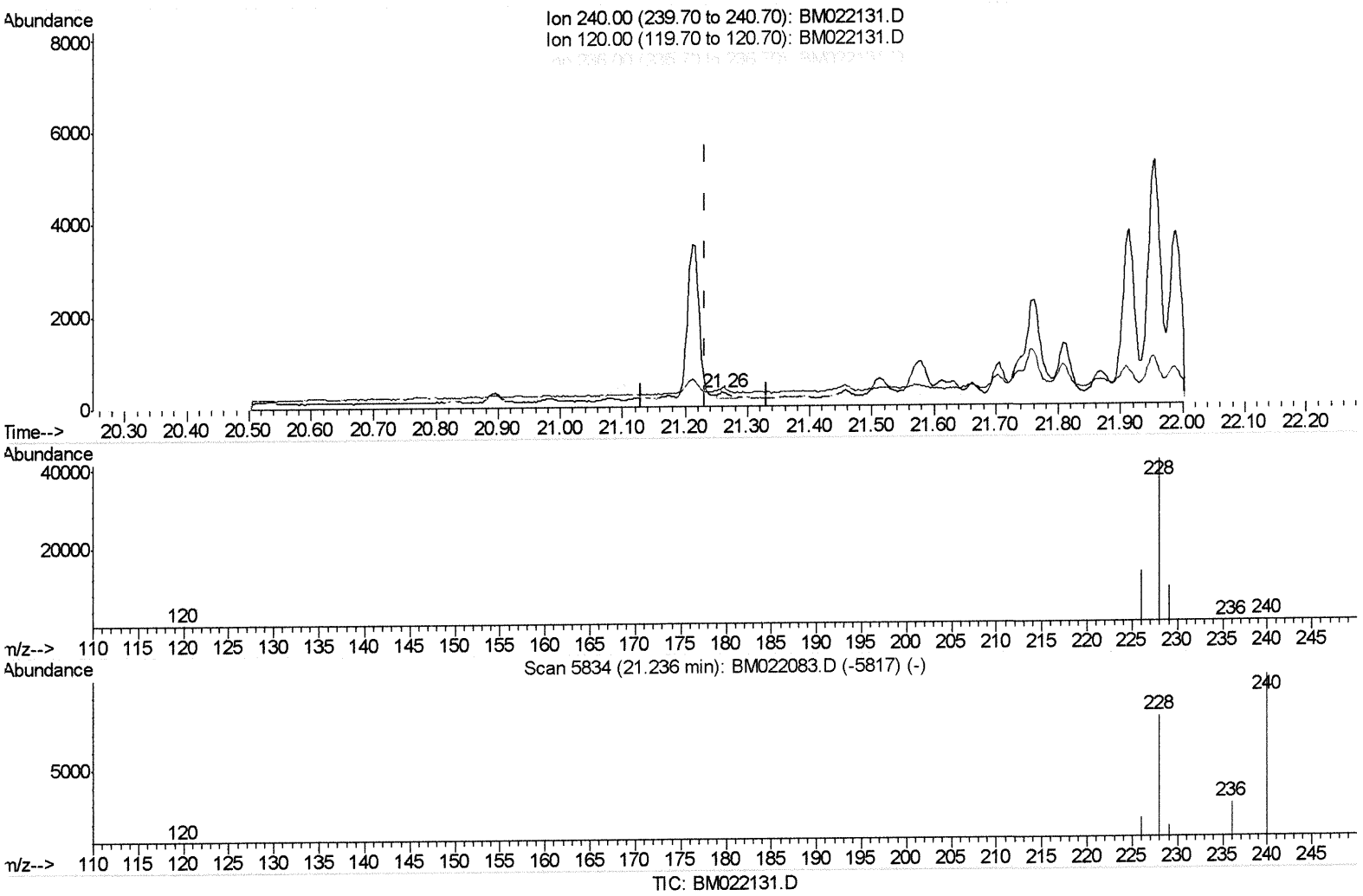
| Ion | Exp% | Act% |
|---|---|---|
| 202.00 | 100 | 100 |
| 101.00 | 10.20 | 7.94 |
| 100.00 | 8.10 | 6.19 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022131.D
Acq On : 15 Aug 2019 06:25
Operator : HP/JU
Sample : K4304-11
Misc :
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Aug 15 12:52:04 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 :**
CB5P2

**Manual Integrations APPROVED**
mohammad
8/15/2019 5:10:15 PM




(16) Chrysene-d12 (I)

21.260min (+0.029) 0.40ng/ul

response 136

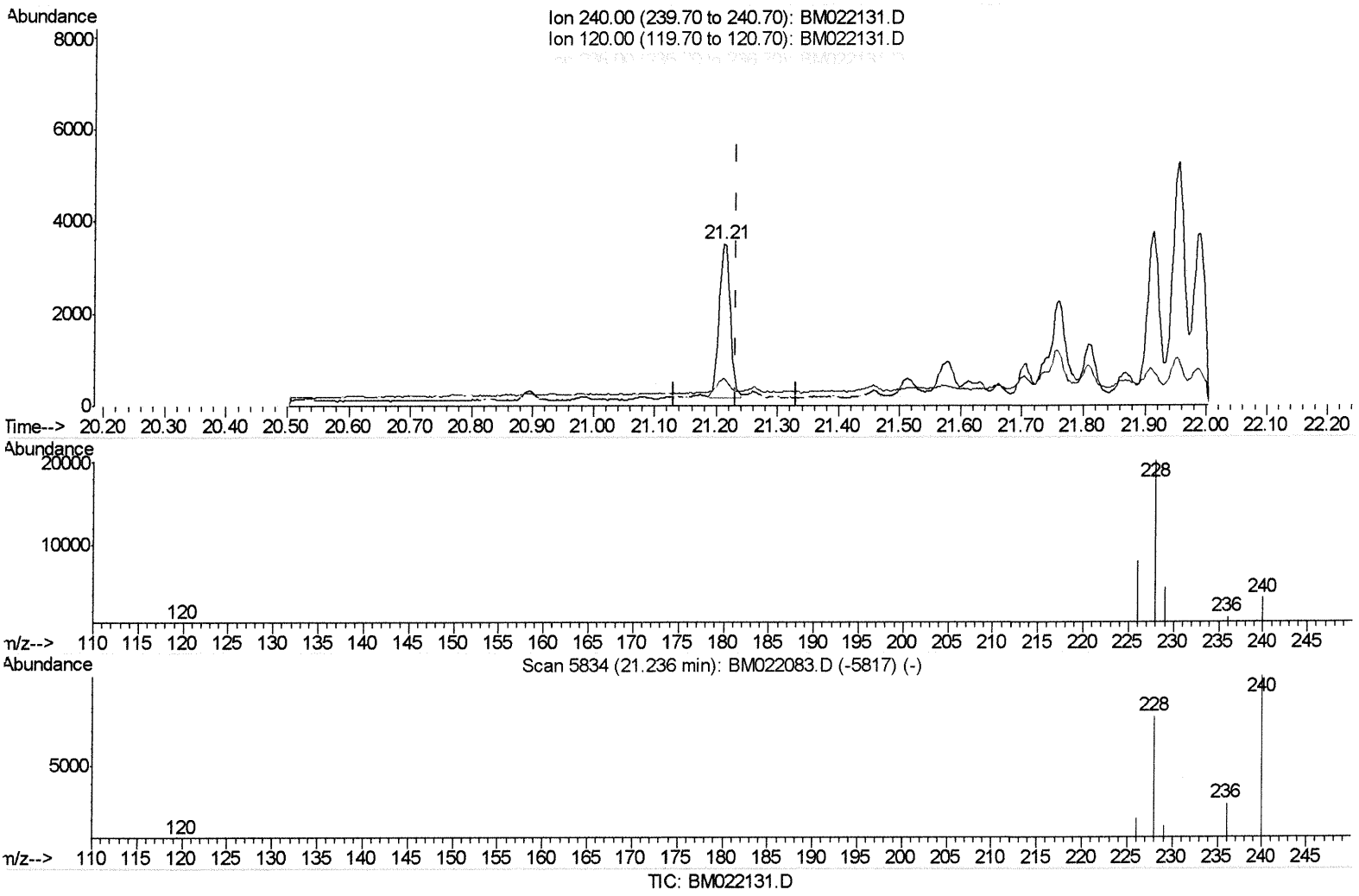
| Ion | Exp% | Act% |
|---|---|---|
| 240.00 | 100 | 100 |
| 120.00 | 16.20 | 127.65# |
| 236.00 | 32.30 | 62.70# |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022131.D
Acq On : 15 Aug 2019 06:25
Operator : HP/JU
Sample : K4304-11
Misc :
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Aug 15 12:52:04 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 :**
CB5P2

**Manual Integrations APPROVED**
mohammad
8/15/2019 5:10:15 PM




(16) Chrysene-d12 (I)

21.212min (-0.020) 0.40ng/ul m JU 08/15/19

response 4277

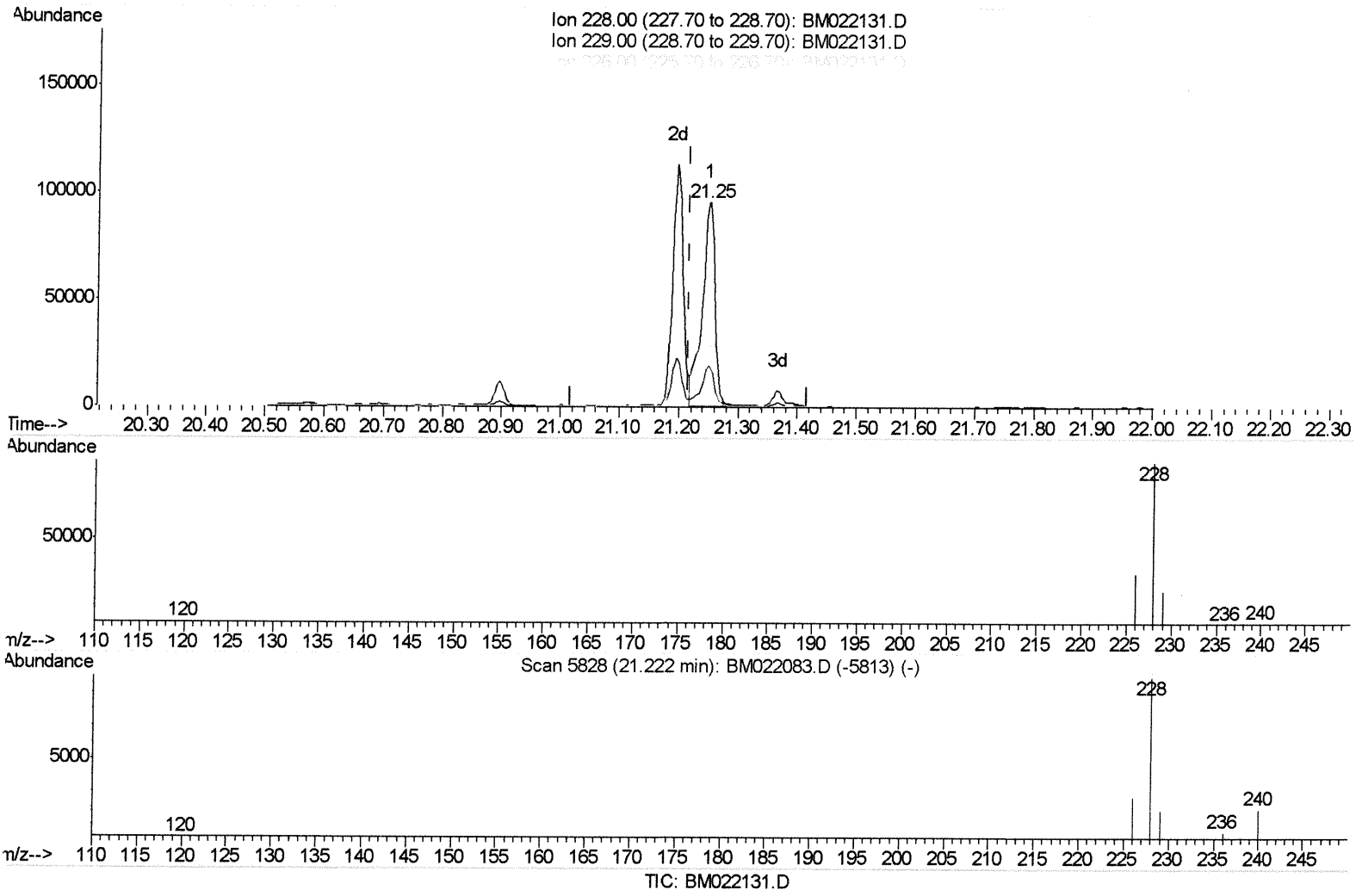
| Ion | Exp% | Act% |
|---|---|---|
| 240.00 | 100 | 100 |
| 120.00 | 16.20 | 16.97 |
| 236.00 | 32.30 | 32.28 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022131.D
Acq On : 15 Aug 2019 06:25
Operator : HP/JU
Sample : K4304-11
Misc :
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Aug 15 12:53:54 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 :**
CB5P2

**Manual Integrations APPROVED**
mohammad
8/15/2019 5:10:15 PM




TIC: BM022131.D

(18) Benzo(a)anthracene

21.251min (+0.034) 9.44ng/ul

response 144439

| Ion | Exp% | Act% |
|---|---|---|
| 228.00 | 100 | 100 |
| 229.00 | 21.50 | 19.96 |
| 226.00 | 28.30 | 31.07 |
| 0.00 | 0.00 | 0.00 |

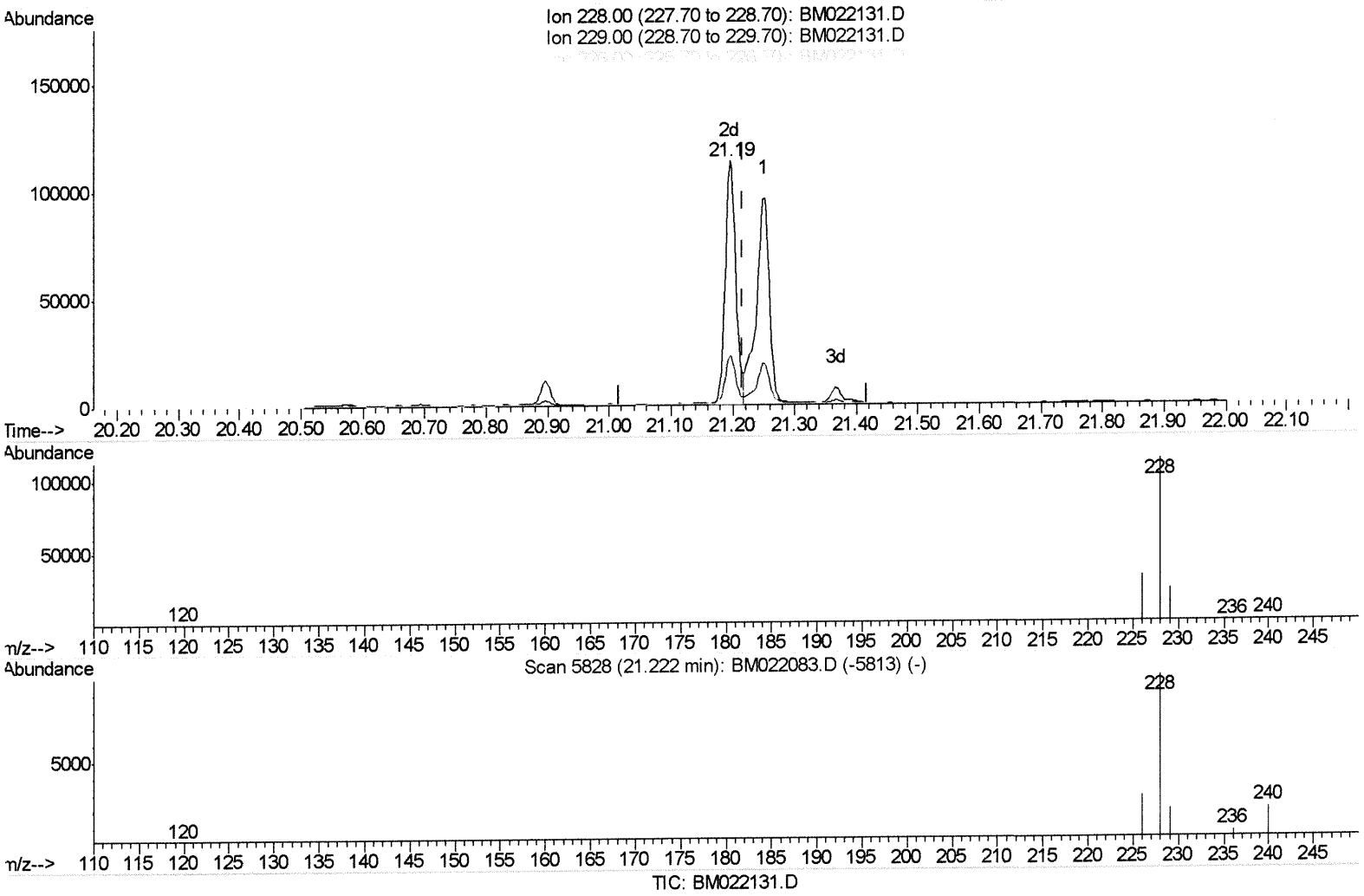
Quantitation Report (Quan)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022131.D
Acq On : 15 Aug 2019 06:25
Operator : HP/JU
Sample : K4304-11
Misc :
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Aug 15 12:53:54 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 :**
CB5P2

**Manual Integrations APPROVED**
mohammad
8/15/2019 5:10:15 PM



TIC: BM022131.D

(18) Benzo(a)anthracene

21.195min (-0.022) 8.90ng/ul m JU 08/15/19

response 136191

| Ion | Exp% | Act% |
|---|---|---|
| 228.00 | 100 | 100 |
| 229.00 | 21.50 | 20.13 |
| 226.00 | 28.30 | 28.38 |
| 0.00 | 0.00 | 0.00 |

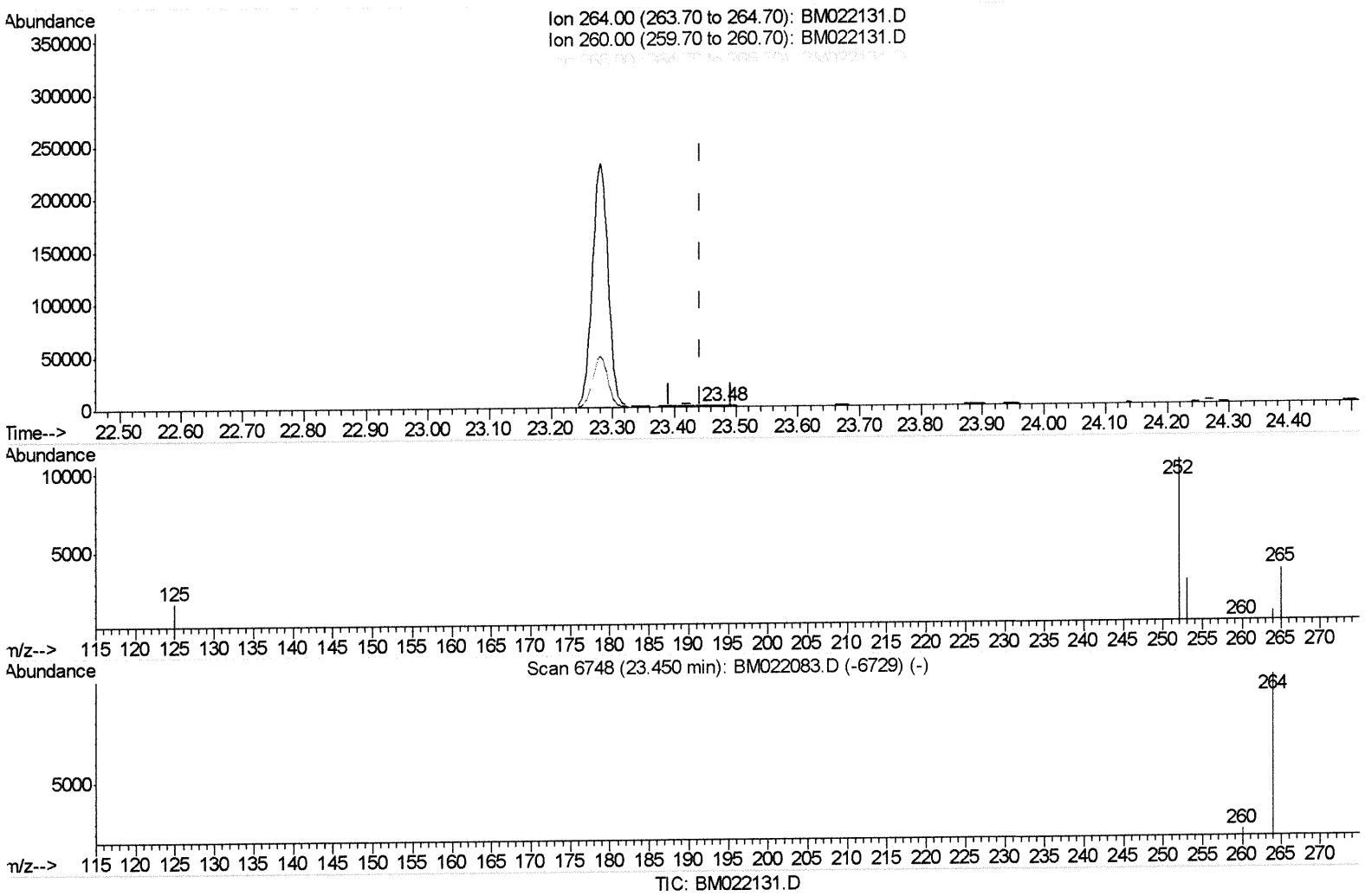
Quantitation Report (Quan)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022131.D
Acq On : 15 Aug 2019 06:25
Operator : HP/JU
Sample : K4304-11
Misc :
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Aug 15 12:53:54 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 :**
CB5P2

**Manual Integrations APPROVED**
mohammad
8/15/2019 5:10:15 PM




(20) Perylene-d12 (I)

23.479min (+0.036) 0.40ng/ul

response 581

| Ion | Exp% | Act% |
|---|---|---|
| 264.00 | 100 | 100 |
| 260.00 | 27.50 | 32.31 |
| 265.00 | 117.00 | 436.99# |
| 0.00 | 0.00 | 0.00 |

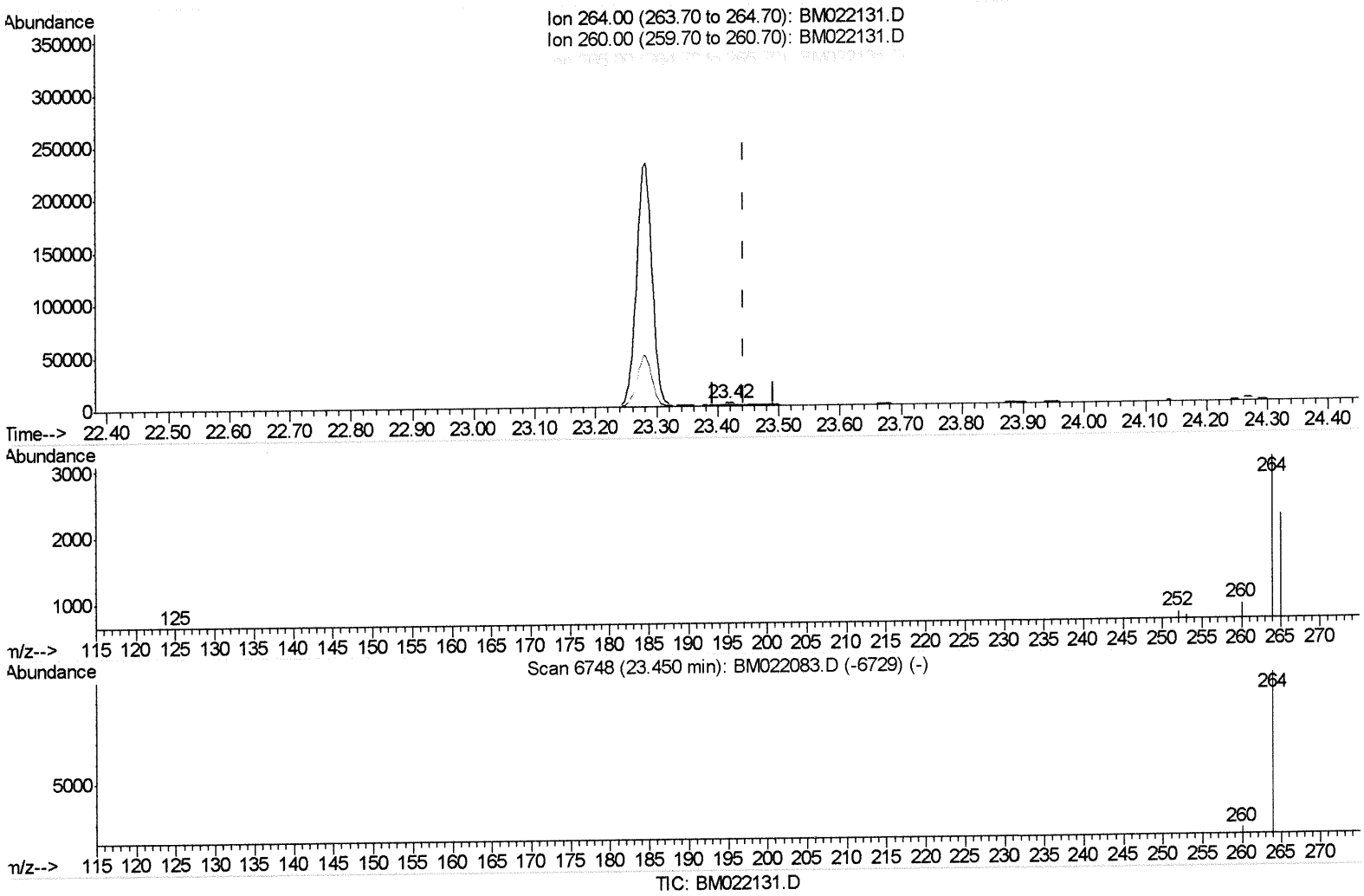
Quantification Report (Quan)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022131.D
Acq On : 15 Aug 2019 06:25
Operator : HP/JU
Sample : K4304-11
Misc :
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Aug 15 12:53:54 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 :**
CB5P2

**Manual Integrations APPROVED**
mohammad
8/15/2019 5:10:15 PM



TIC: BM022131.D

(20) Perylene-d12 (I)

23.418min (-0.024) 0.40ng/ul m JU 08/15/19

response 4342

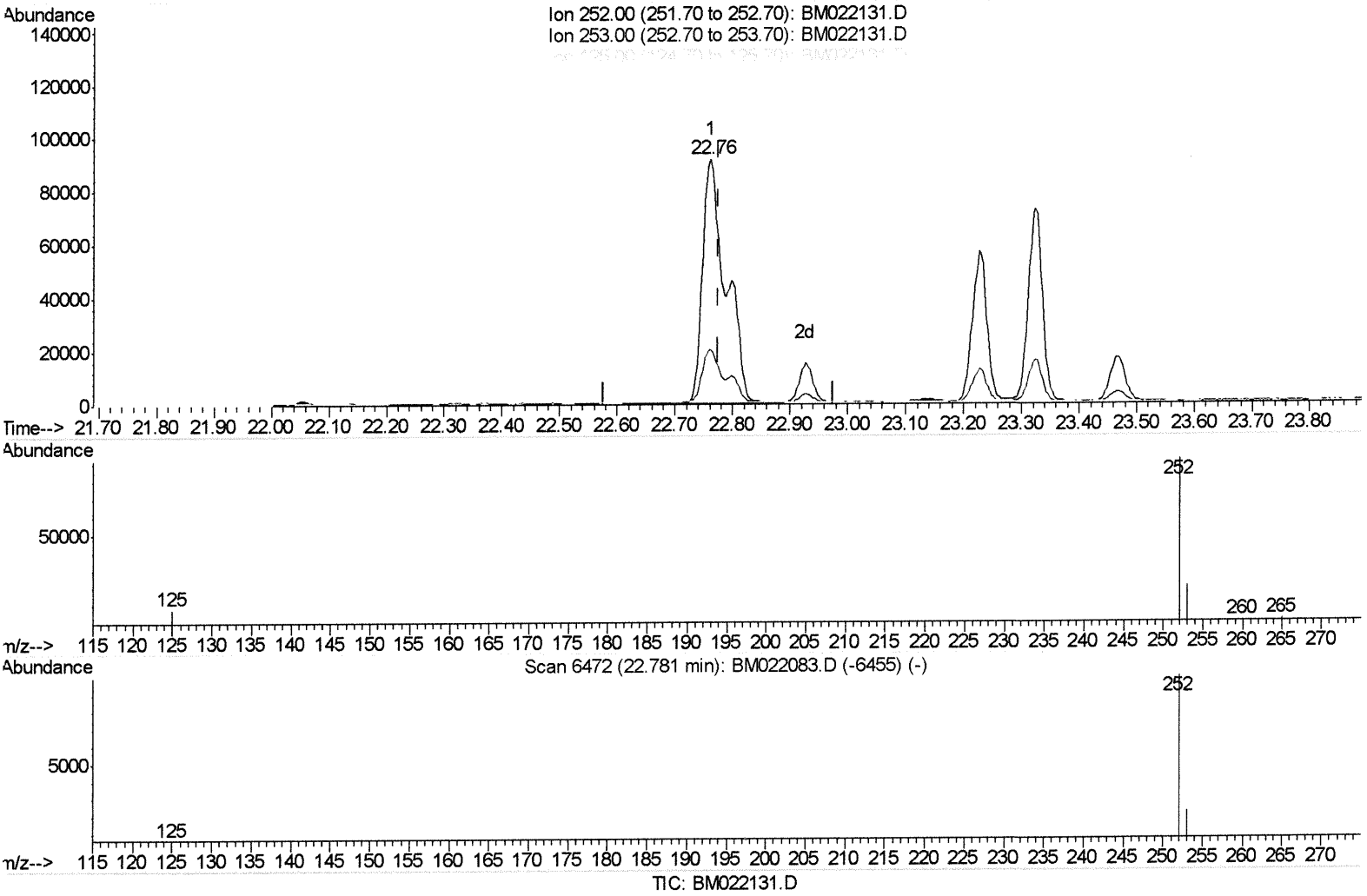
| Ion | Exp% | Act% |
|---|---|---|
| 264.00 | 100 | 100 |
| 260.00 | 27.50 | 28.26 |
| 265.00 | 117.00 | 72.13# |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022131.D
Acq On : 15 Aug 2019 06:25
Operator : HP/JU
Sample : K4304-11
Misc :
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Aug 15 13:01:40 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 :**
CB5P2

**Manual Integrations APPROVED**
mohammad
8/15/2019 5:10:15 PM




(21) Benzo(b)fluoranthene

22.761min (-0.015) 17.63ng/ul

response 258116

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 33.70 | 22.31 |
| 125.00 | 15.50 | 8.46 |
| 0.00 | 0.00 | 0.00 |

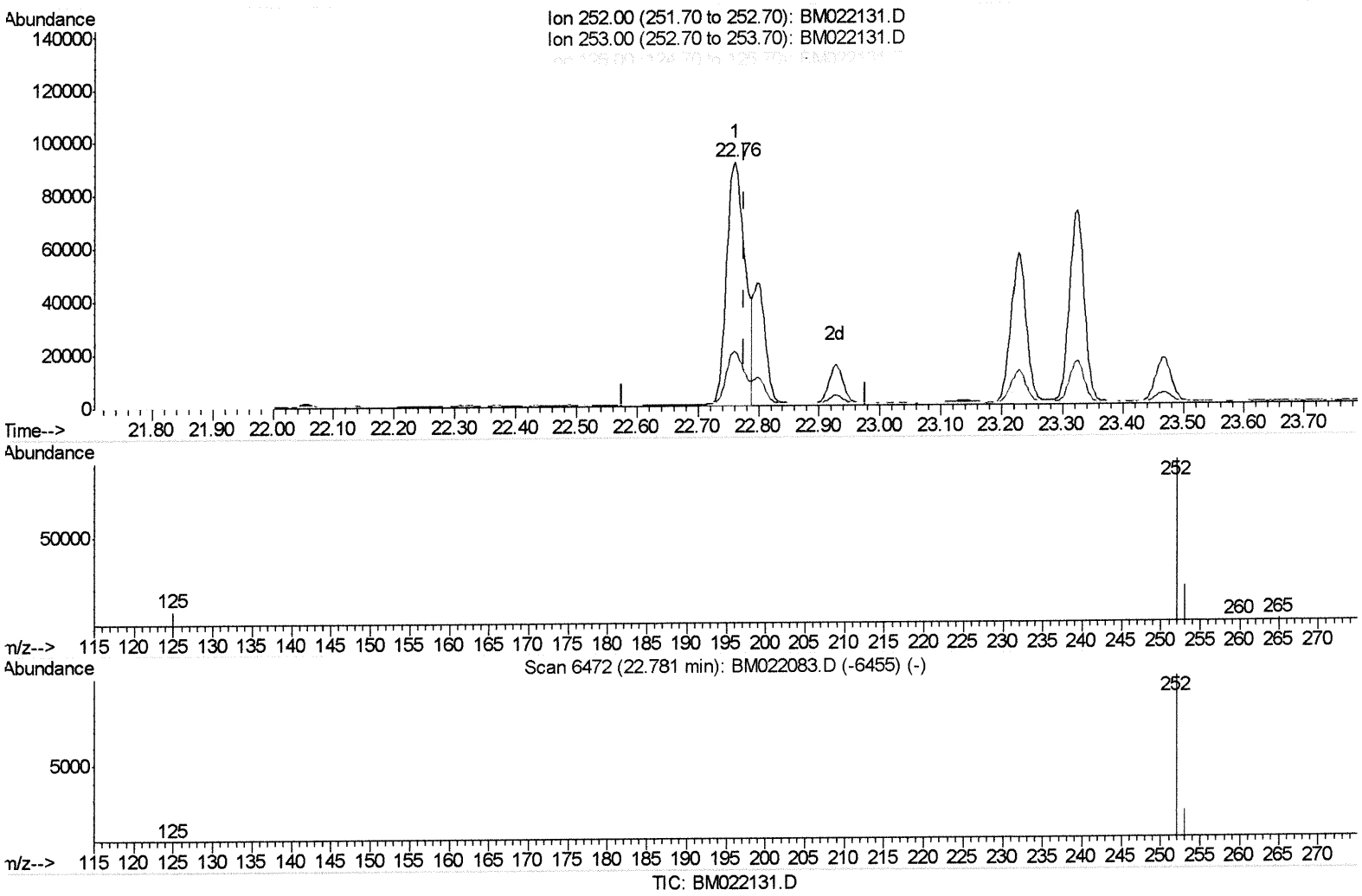
Quantitation Report (Quan)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022131.D
Acq On : 15 Aug 2019 06:25
Operator : HP/JU
Sample : K4304-11
Misc :
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Aug 15 13:01:40 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 :**
CB5P2

**Manual Integrations APPROVED**
mohammad
8/15/2019 5:10:15 PM



TIC: BM022131.D

(21) Benzo(b)fluoranthene

22.761min (-0.015) 13.39ng/ul m JU 08/15/19

response 196037

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 33.70 | 22.31 |
| 125.00 | 15.50 | 8.46 |
| 0.00 | 0.00 | 0.00 |

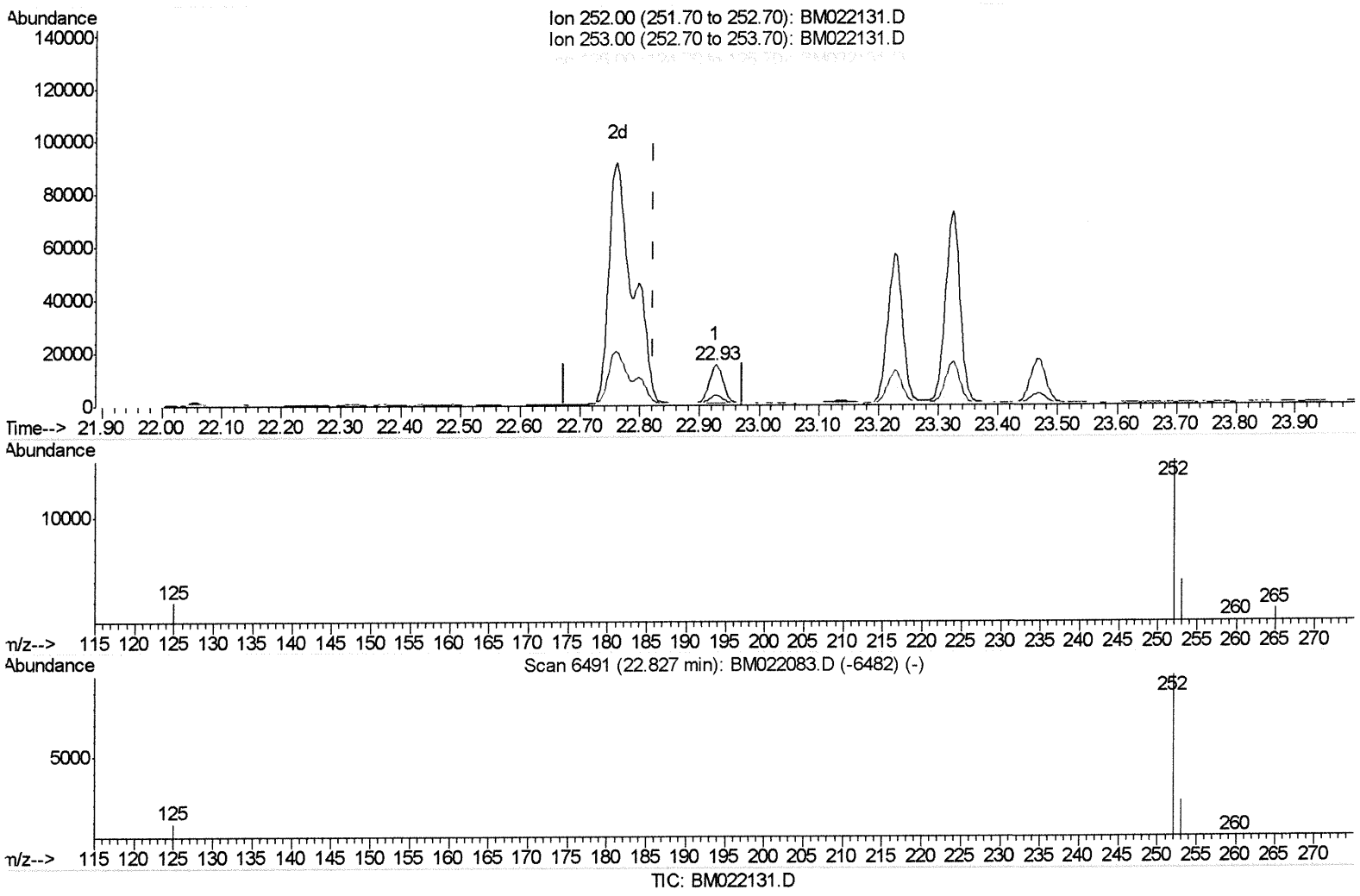
Quantitation Report (Quan)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022131.D
Acq On : 15 Aug 2019 06:25
Operator : HP/JU
Sample : K4304-11
Misc :
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Aug 15 13:01:40 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 :**
CB5P2

**Manual Integrations APPROVED**
mohammad
8/15/2019 5:10:15 PM




(22) Benzo(k)fluoranthene

22.926min (+0.104) 1.46ng/ul

response 24163

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 33.70 | 25.96# |
| 125.00 | 15.20 | 13.12 |
| 0.00 | 0.00 | 0.00 |

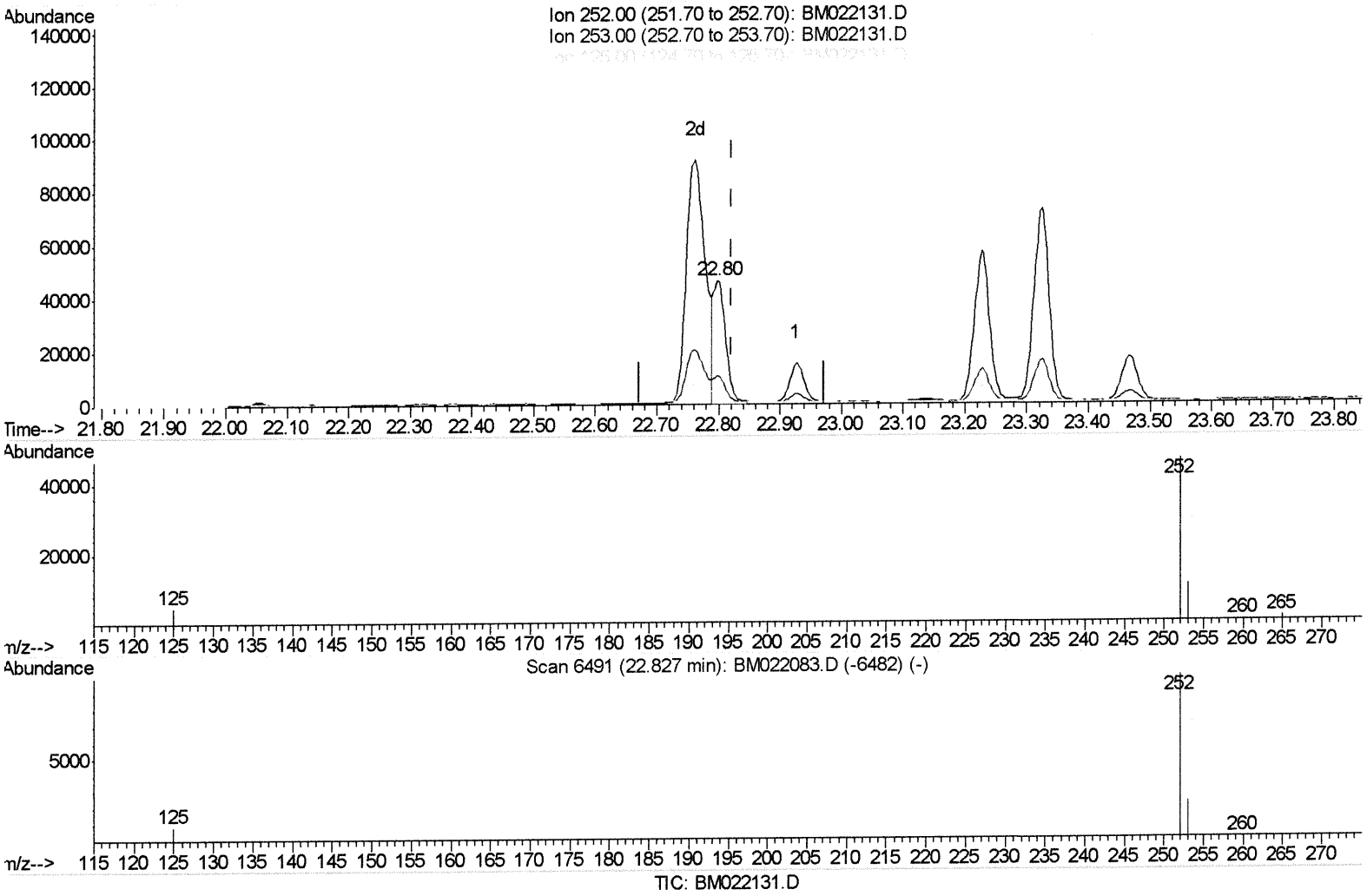
Quantitation Report (Qual)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022131.D
Acq On : 15 Aug 2019 06:25
Operator : HP/JU
Sample : K4304-11
Misc :
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Aug 15 13:01:40 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 :**
CB5P2

**Manual Integrations APPROVED**
mohammad
8/15/2019 5:10:15 PM




(22) Benzo(k)fluoranthene

22.798min (-0.024) 3.97ng/ul m JU 08/15/19

response 65808

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 33.70 | 22.95# |
| 125.00 | 15.20 | 10.20# |
| 0.00 | 0.00 | 0.00 |

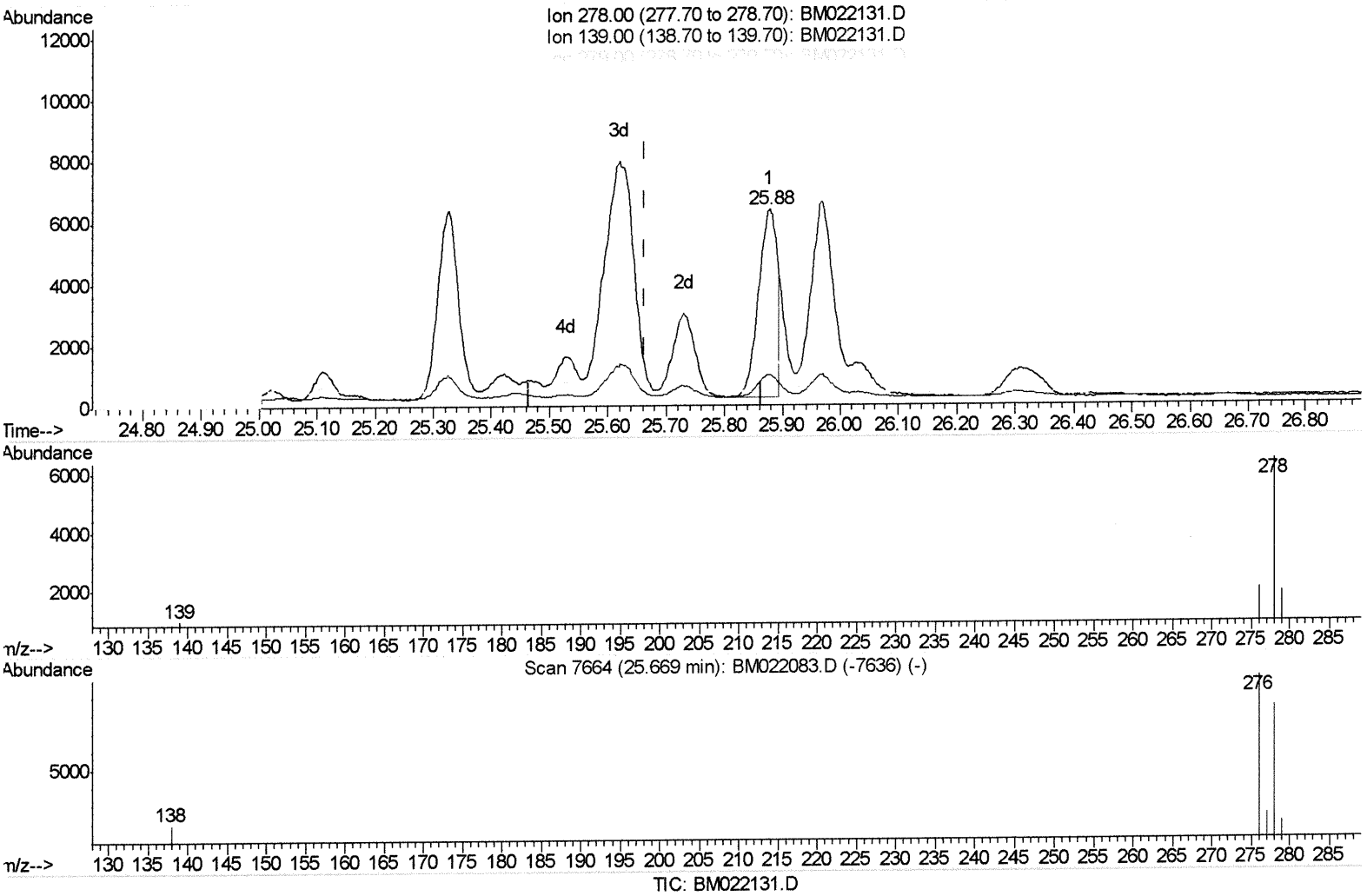
Quantitation Report (Quan)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022131.D
Acq On : 15 Aug 2019 06:25
Operator : HP/JU
Sample : K4304-11
Misc :
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Aug 15 13:01:40 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 :**
CB5P2

**Manual Integrations APPROVED**
mohammad
8/15/2019 5:10:15 PM




TIC: BM022131.D

(25) Dibenzo(a,h)anthracene

25.877min (+0.213) 0.95ng/ul

response 13659

| Ion | Exp% | Act% |
|---|---|---|
| 278.00 | 100 | 100 |
| 139.00 | 17.70 | 15.51 |
| 279.00 | 35.40 | 29.15 |
| 0.00 | 0.00 | 0.00 |

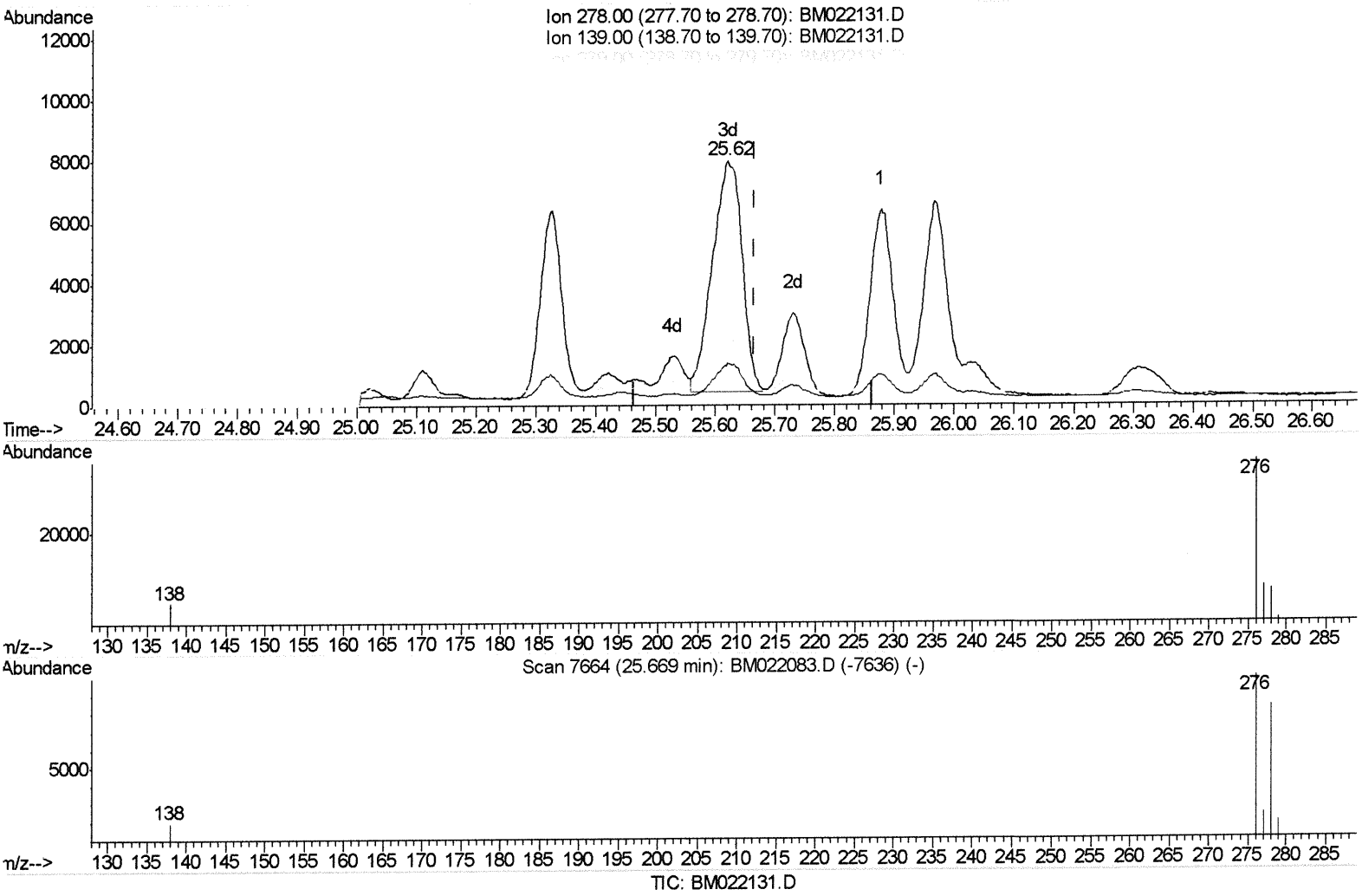
Quantitation Report (Quant)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022131.D
Acq On : 15 Aug 2019 06:25
Operator : HP/JU
Sample : K4304-11
Misc :
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Aug 15 13:01:40 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 :**
CB5P2

**Manual Integrations APPROVED**
mohammad
8/15/2019 5:10:15 PM




TIC: BM022131.D

(25) Dibenzo(a,h)anthracene

25.620min (-0.044) 1.82ng/ul m JU 08/15/19

response 26097

| Ion | Exp% | Act% |
|---|---|---|
| 278.00 | 100 | 100 |
| 139.00 | 17.70 | 17.13 |
| 279.00 | 35.40 | 26.68# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022131.D
Acq On : 15 Aug 2019 06:25
Operator : HP/JU
Sample : K4304-11
Misc :
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Aug 15 13:02:53 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 :** CB5P2

**Manual Integrations APPROVED**
mohammad
8/15/2019 5:10:15 PM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.60 | 152 | 923 | 0.40 | ng/ul | -0.02 |
| 2) Naphthalene-d8 | 10.37 | 136 | 3835 | 0.40 | ng/ul | -0.04 |
| 6) Acenaphthene-d10 | 14.25 | 164 | 1996 | 0.40 | ng/ul | -0.02 |
| 10) Phenanthrene-d10 | 17.01 | 188 | 4407m→ | 0.40 | ng/ul | -0.03 JU 08/15/19 |
| 16) Chrysene-d12 | 21.21 | 240 | 4277m→ | 0.40 | ng/ul | -0.02 |
| 20) Perylene-d12 | 23.42 | 264 | 4342m→ | 0.40 | ng/ul | -0.02 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Methylnaphthalene-d10 | 11.98 | 152 | 2182 | 0.35 | ng/ul | -0.03 |
| 14) Fluoranthene-d10 | 19.04 | 212 | 5318m→ | 0.36 | ng/ul | -0.02 JU 08/15/19 |
| **Target Compounds** | | | | | | Qvalue |
| 3) Naphthalene | 10.42 | 128 | 8628 | 0.797 | ng/ul# | 93 |
| 5) 2-Methylnaphthalene | 12.05 | 142 | 4038 | 0.559 | ng/ul | 96 |
| 7) Acenaphthylene | 13.97 | 152 | 7029 | 0.755 | ng/ul# | 82 |
| 8) Acenaphthene | 14.31 | 153 | 6113 | 0.803 | ng/ul | 96 |
| 9) Fluorene | 15.31 | 166 | 7697 | 0.910 | ng/ul | 98 |
| 12) Phenanthrene | 17.05 | 178 | 168590m→ | 13.147 | ng/ul | JU |
| 13) Anthracene | 17.14 | 178 | 29635m→ | 2.709 | ng/ul | 08/15/19 |
| 15) Fluoranthene | 19.08 | 202 | 279877m→ | 16.294 | ng/ul | |
| 17) Pyrene | 19.44 | 202 | 241122 | 13.719 | ng/ul | 98 |
| 18) Benzo(a)anthracene | 21.19 | 228 | 136191m→ | 8.902 | ng/ul | JU 08/15/19 |
| 19) Chrysene | 21.25 | 228 | 144817 | 7.360 | ng/ul | 99 |
| 21) Benzo(b)fluoranthene | 22.76 | 252 | 196037m→ | 13.389 | ng/ul | JU |
| 22) Benzo(k)fluoranthene | 22.80 | 252 | 65808m→ | 3.972 | ng/ul | 08/15/19 |
| 23) Benzo(a)pyrene | 23.32 | 252 | 124724 | 8.376 | ng/ul# | 74 |
| 24) Indeno(1,2,3-cd)pyrene | 25.62 | 276 | 89889 | 5.056 | ng/ul# | 94 |
| 25) Dibenzo(a,h)anthracene | 25.62 | 278 | 26097m→ | 1.816 | ng/ul | JU 08/15/19 |
| 26) Benzo(g,h,i)perylene | 26.30 | 276 | 81613 | 5.099 | ng/ul | 95 |

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