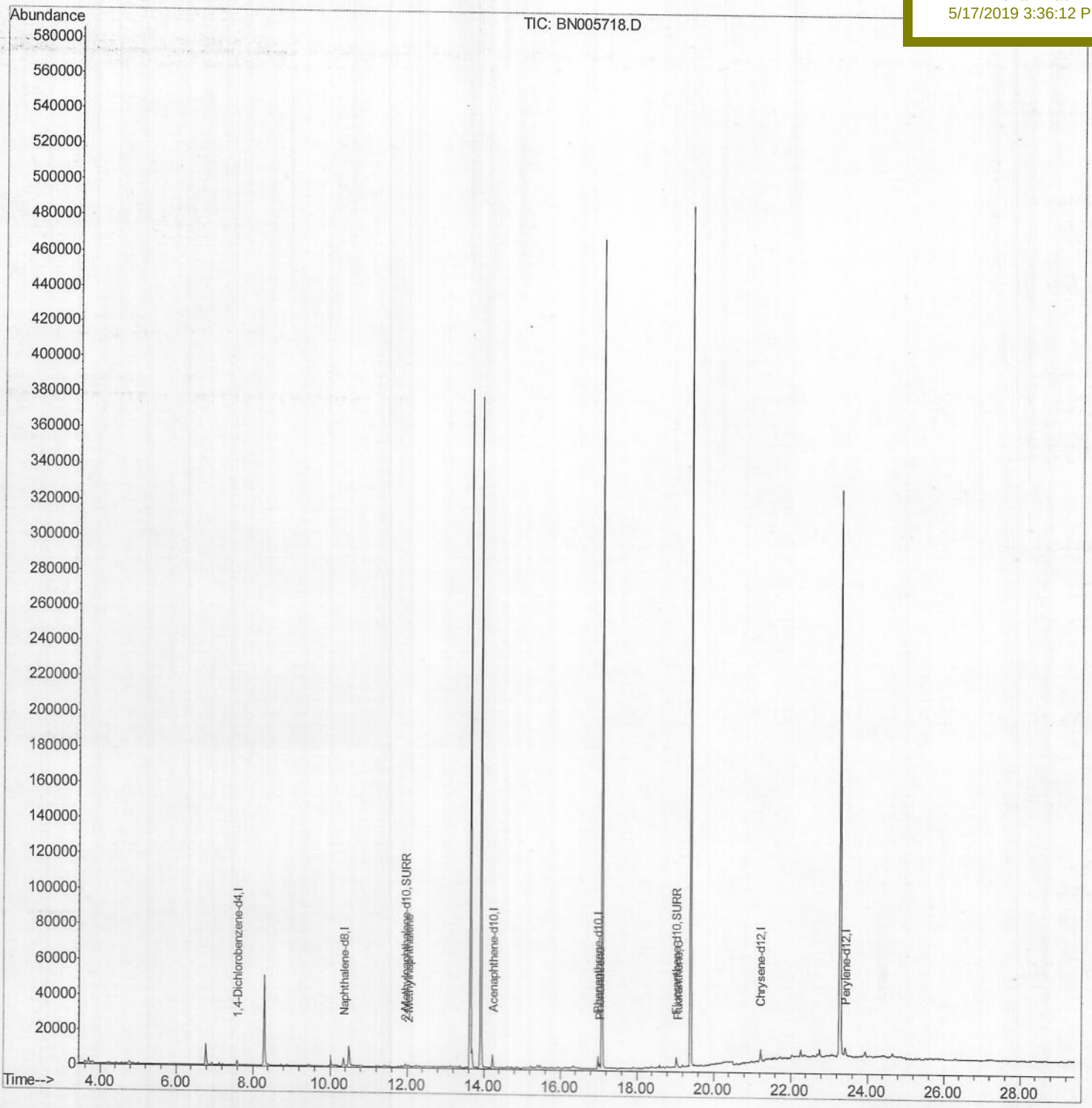
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051619\
Data File : BN005718.D
Acq On : 17 May 2019 00:20
Operator : JU/SJ
Sample : K2690-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 17 05:28:29 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 17 04:47:07 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
A5163

**Manual Integrations APPROVED**
mohammad
5/17/2019 3:36:12 PM



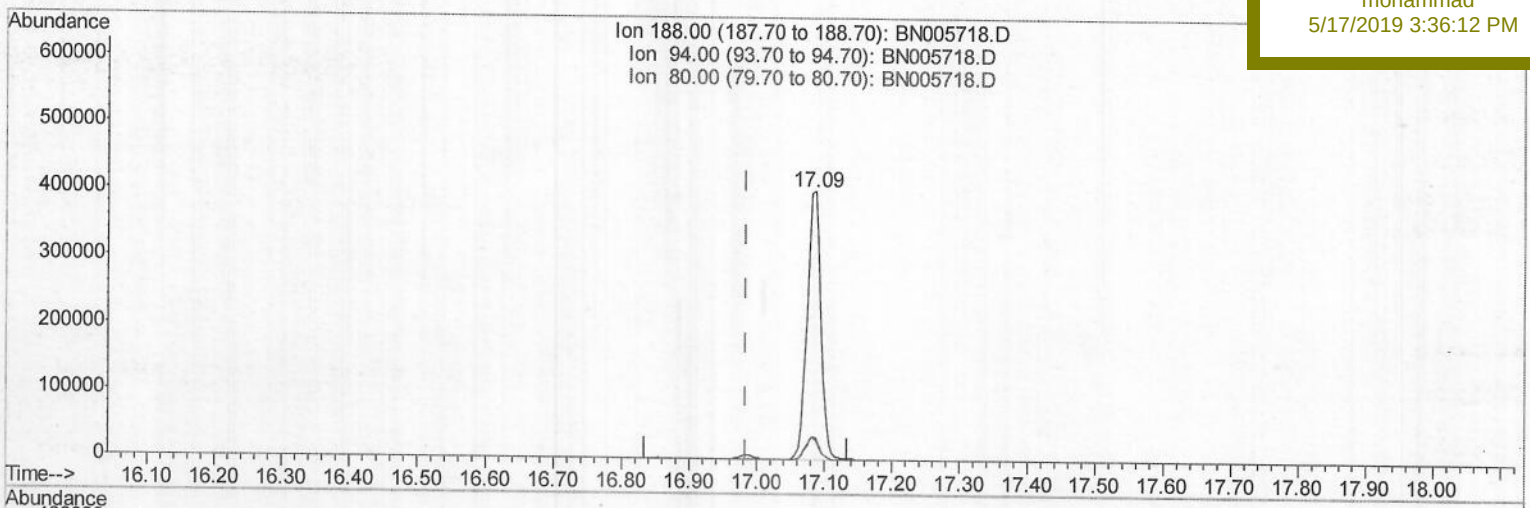
Quantitation Report (Qedit)

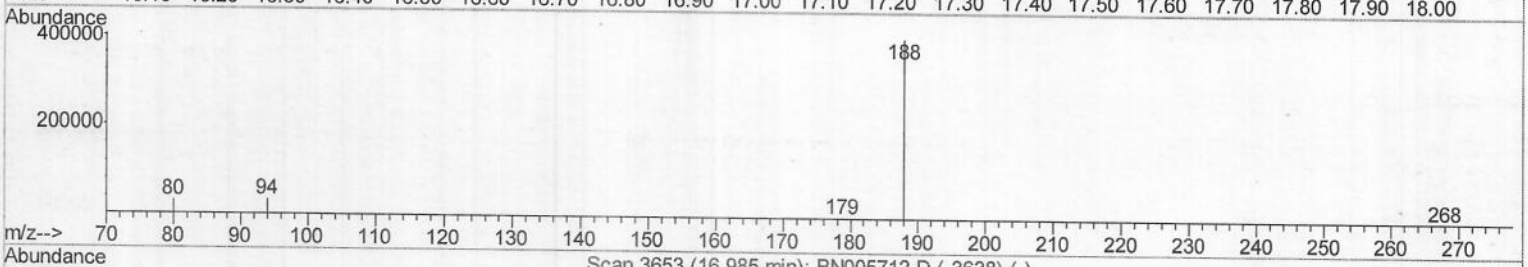
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051619\
Data File : BN005718.D
Acq On : 17 May 2019 00:20
Operator : JU/SJ
Sample : K2690-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

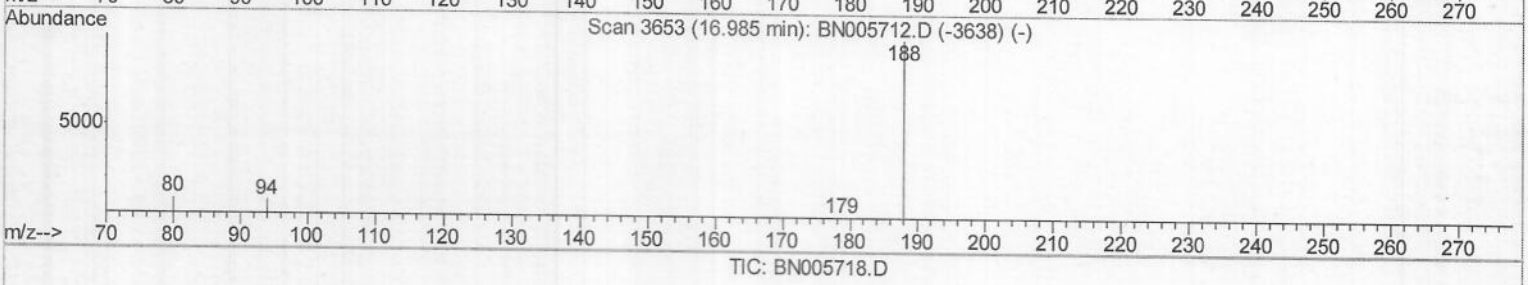
Quant Time: May 17 05:25:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 17 04:47:07 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
A5163

**Manual Integrations APPROVED**
mohammad
5/17/2019 3:36:12 PM




(10) Phenanthrene-d10 (I)

17.086min (+0.101) 0.40ng/ul

response 579251

| Ion | Exp% | Act% |
|---|---|---|
| 188.00 | 100 | 100 |
| 94.00 | 9.40 | 7.99 |
| 80.00 | 9.80 | 7.30# |
| 0.00 | 0.00 | 0.00 |

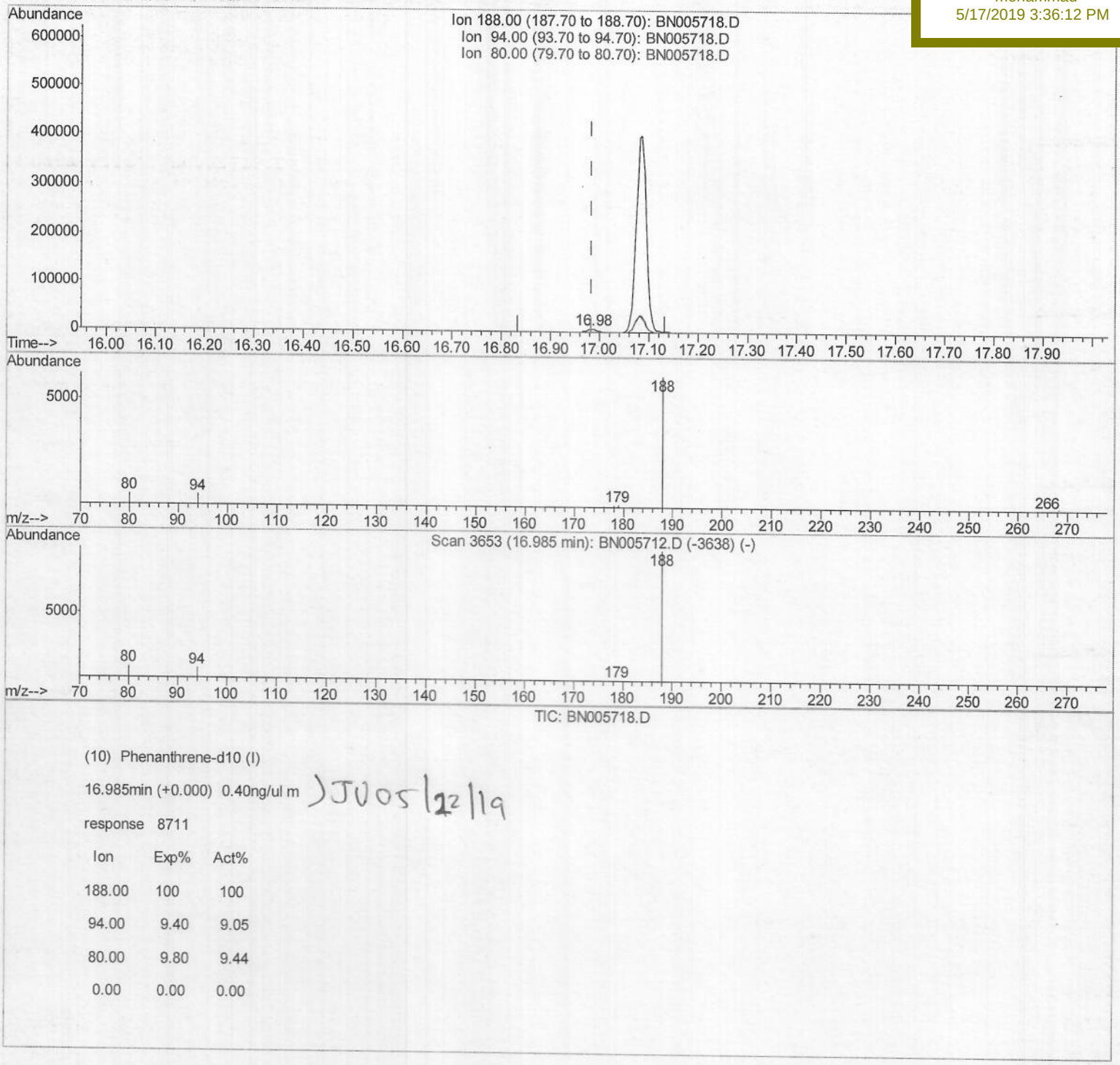
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051619\
Data File : BN005718.D
Acq On : 17 May 2019 00:20
Operator : JU/SJ
Sample : K2690-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 17 05:25:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 17 04:47:07 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
A5163

**Manual Integrations APPROVED**
mohammad
5/17/2019 3:36:12 PM




(10) Phenanthrene-d10 (I)

16.985min (+0.000) 0.40ng/ul m JJU 05/12/19

response 8711

| Ion | Exp% | Act% |
|---|---|---|
| 188.00 | 100 | 100 |
| 94.00 | 9.40 | 9.05 |
| 80.00 | 9.80 | 9.44 |
| 0.00 | 0.00 | 0.00 |

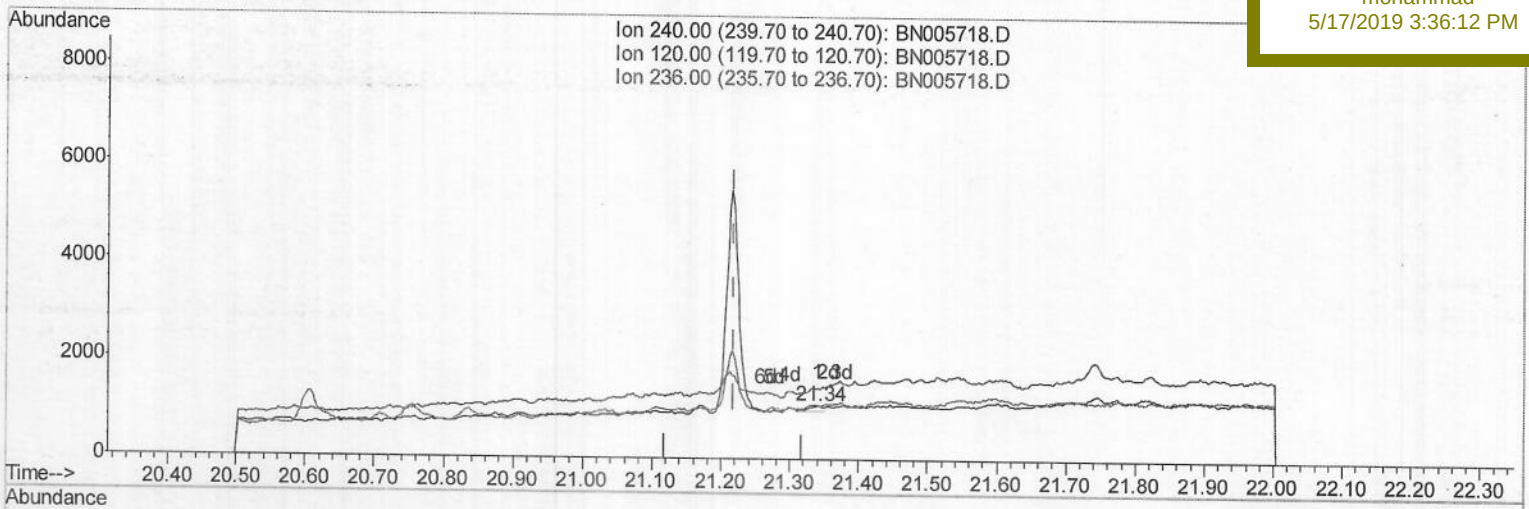
Quantitation Report (Qedit)

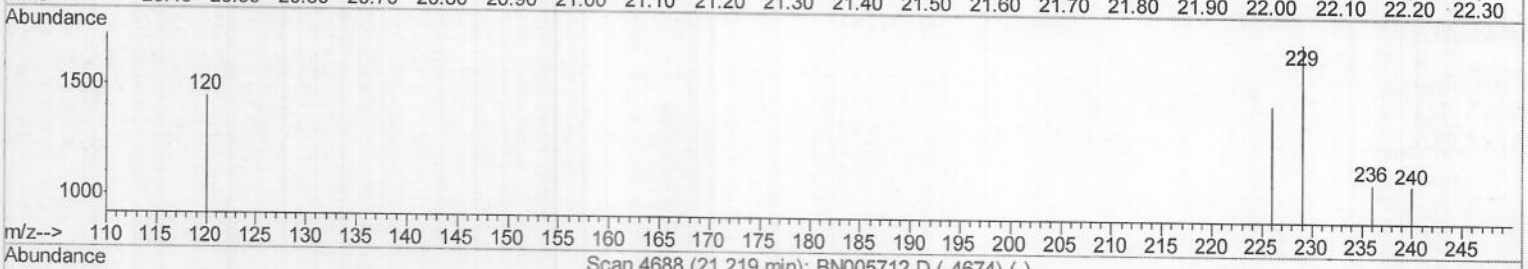
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051619\
Data File : BN005718.D
Acq On : 17 May 2019 00:20
Operator : JU/SJ
Sample : K2690-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

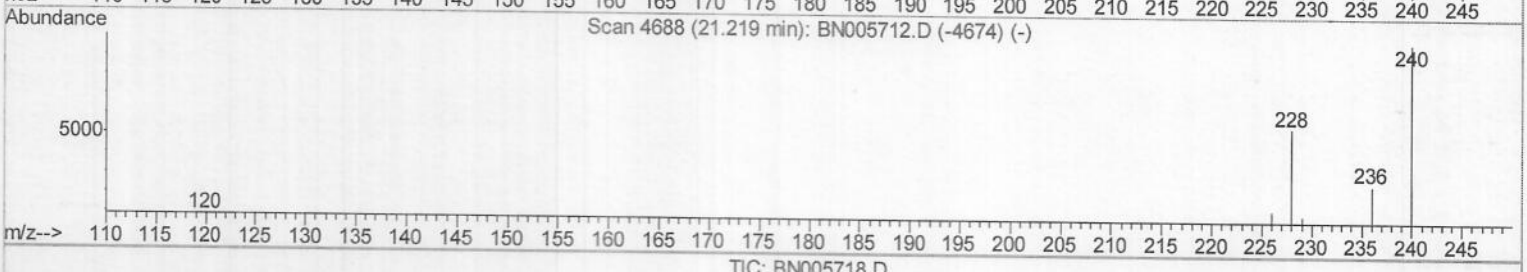
Quant Time: May 17 05:25:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 17 04:47:07 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
A5163

**Manual Integrations APPROVED**
mohammad
5/17/2019 3:36:12 PM




TIC: BN005718.D

(16) Chrysene-d12 (I)

21.341min (+0.123) 0.40ng/ul

response 190

| Ion | Exp% | Act% |
|---|---|---|
| 240.00 | 100 | 100 |
| 120.00 | 11.90 | 133.43# |
| 236.00 | 28.00 | 100.74# |
| 0.00 | 0.00 | 0.00 |

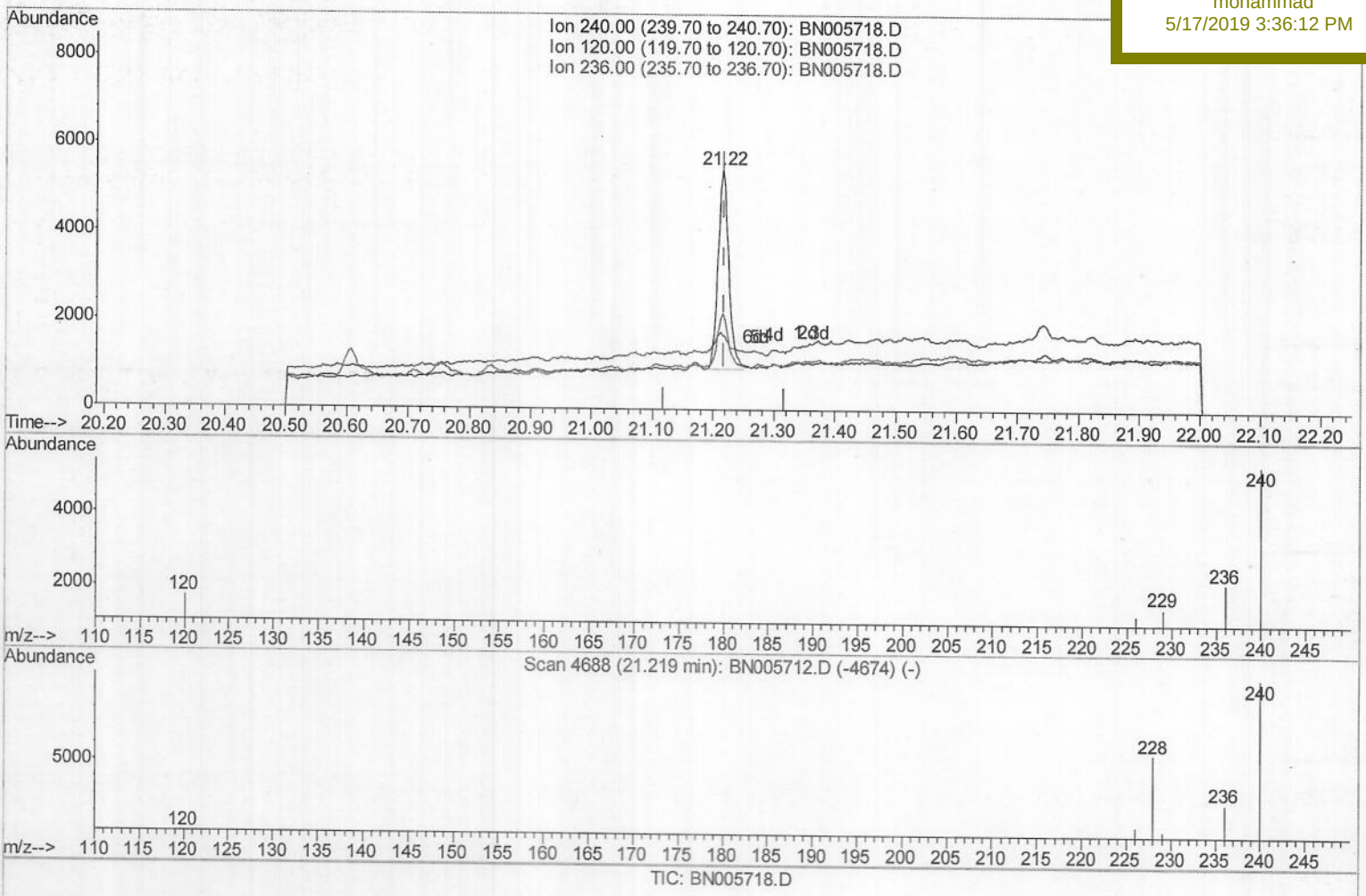
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051619\
Data File : BN005718.D
Acq On : 17 May 2019 00:20
Operator : JU/SJ
Sample : K2690-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 17 05:25:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 17 04:47:07 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
A5163

**Manual Integrations APPROVED**
mohammad
5/17/2019 3:36:12 PM










TIC: BN005718.D

(16) Chrysene-d12 (I)

21.216min (-0.003) 0.40ng/ul m JU05/22/19

response 5564

| Ion | Exp% | Act% |
|---|---|---|
| 240.00 | 100 | 100 |
| 120.00 | 11.90 | 31.11# |
| 236.00 | 28.00 | 39.97# |
| 0.00 | 0.00 | 0.00 |

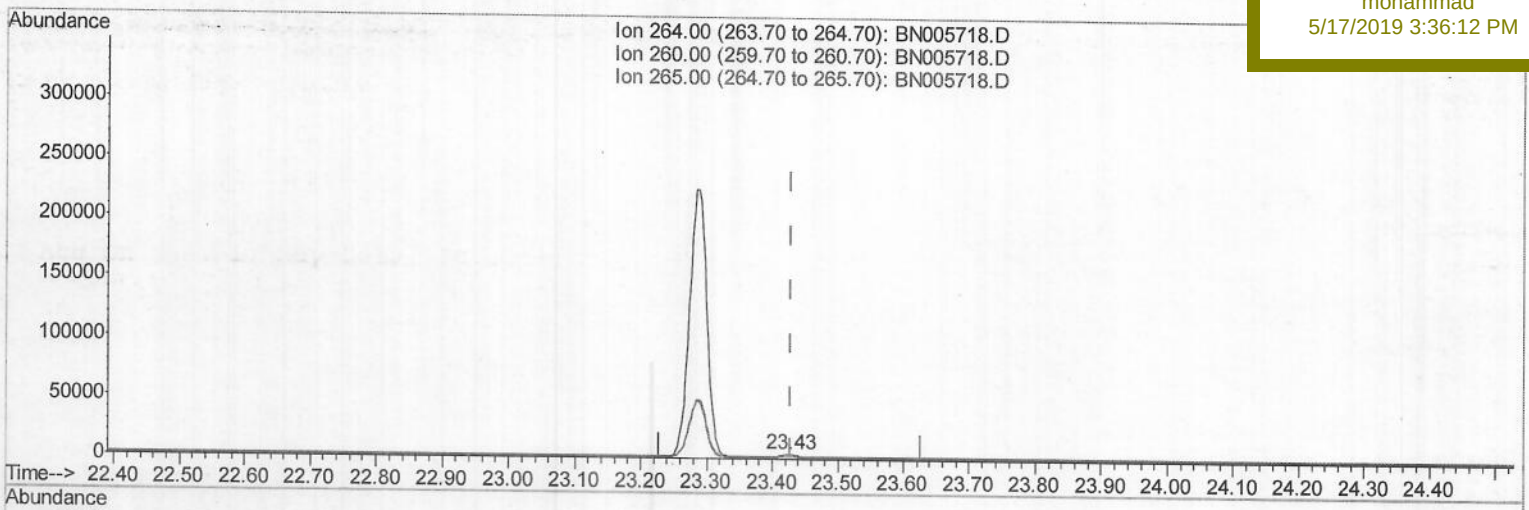
Quantitation Report (Qedit)

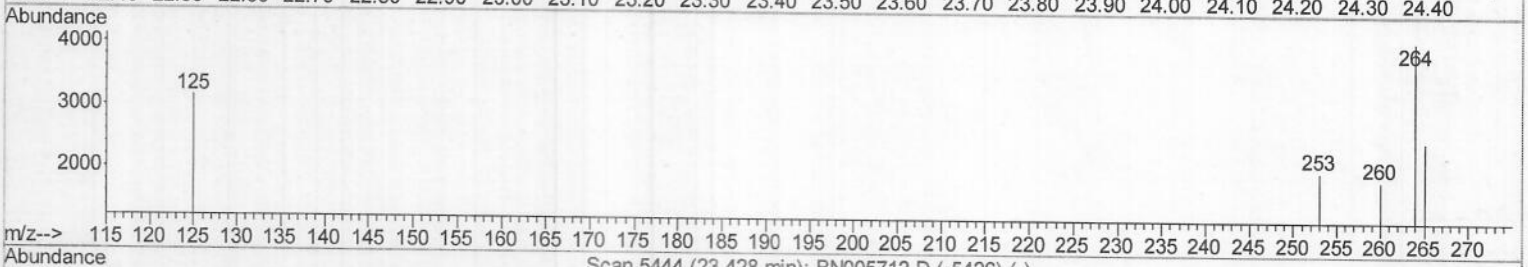
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051619\
Data File : BN005718.D
Acq On : 17 May 2019 00:20
Operator : JU/SJ
Sample : K2690-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

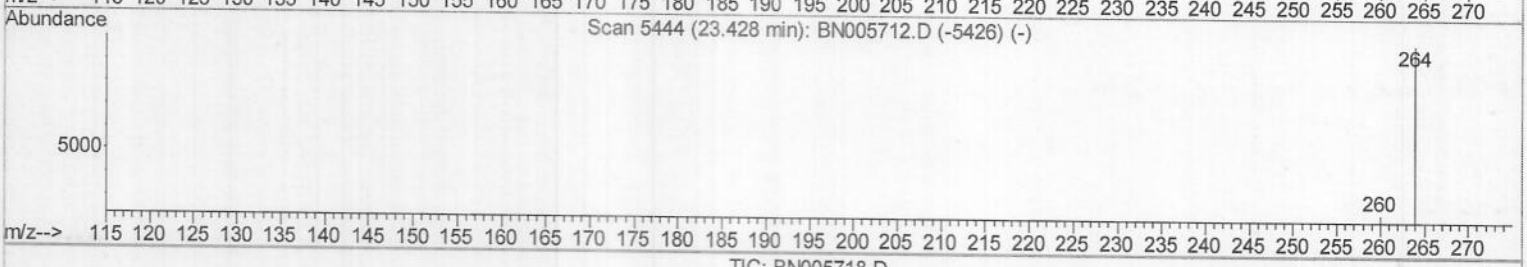
Quant Time: May 17 05:25:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 17 04:47:07 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
A5163

**Manual Integrations APPROVED**
mohammad
5/17/2019 3:36:12 PM




TIC: BN005718.D

(20) Perylene-d12 (I)

23.425min (-0.003) 0.40ng/ul

response 6468

| Ion | Exp% | Act% |
|---|---|---|
| 264.00 | 100 | 100 |
| 260.00 | 25.30 | 45.95# |
| 265.00 | 31.70 | 61.13# |
| 0.00 | 0.00 | 0.00 |

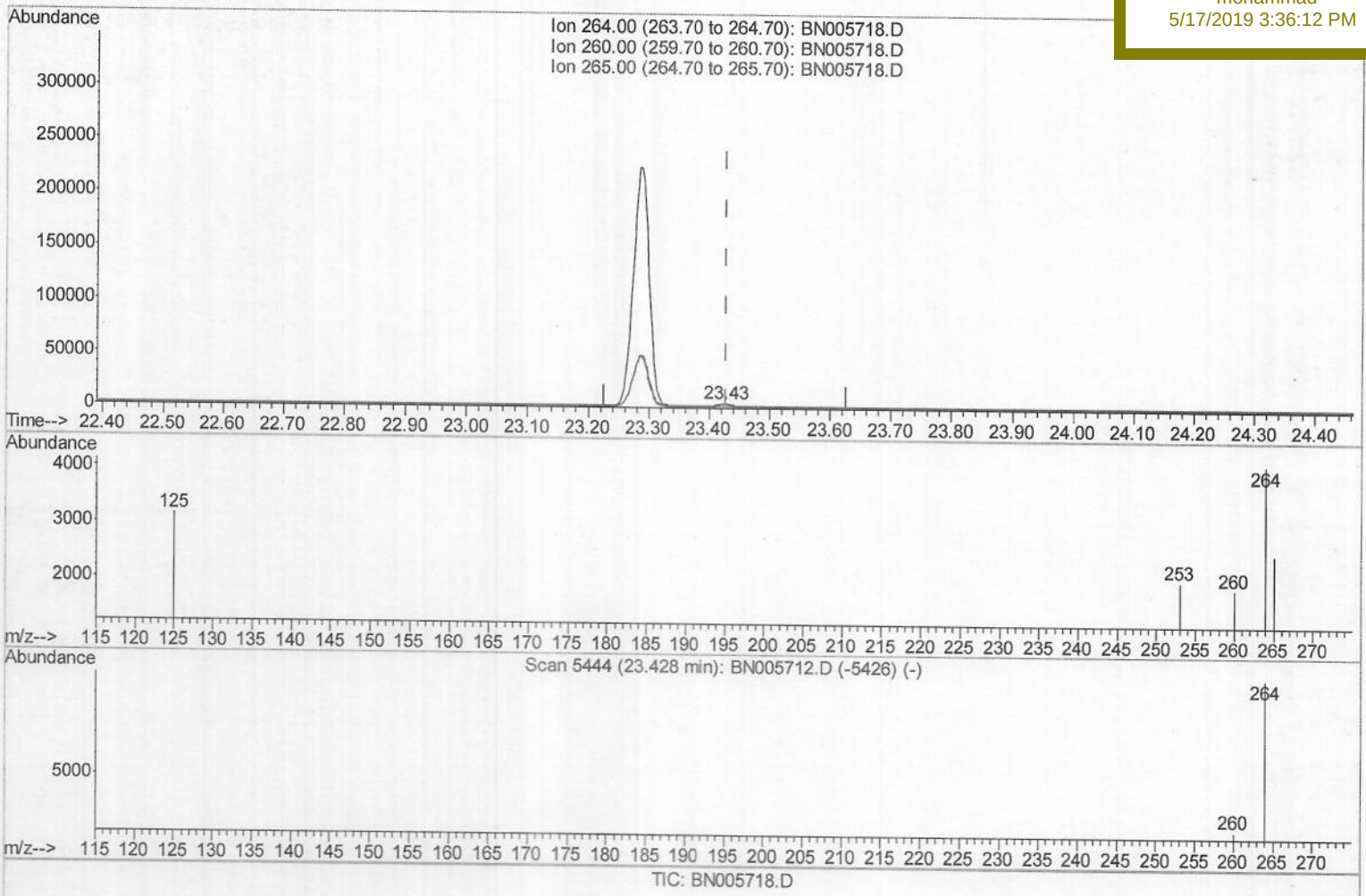
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051619\
Data File : BN005718.D
Acq On : 17 May 2019 00:20
Operator : JU/SJ
Sample : K2690-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 17 05:25:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 17 04:47:07 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
A5163

**Manual Integrations APPROVED**
mohammad
5/17/2019 3:36:12 PM




(20) Perylene-d12 (I)

23.425min (-0.003) 0.40ng/ul m ) JU 05/22/19

response 5250

| Ion | Exp% | Act% |
|---|---|---|
| 264.00 | 100 | 100 |
| 260.00 | 25.30 | 45.95# |
| 265.00 | 31.70 | 61.13# |
| 0.00 | 0.00 | 0.00 |

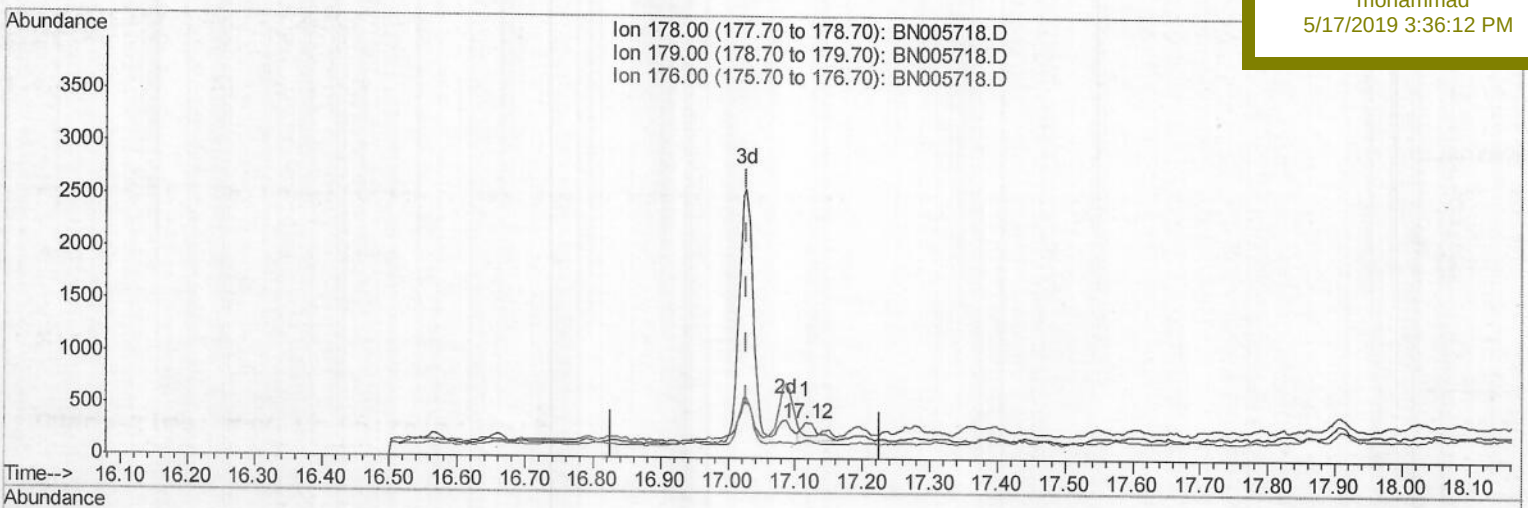
Quantitation Report (Qedit)

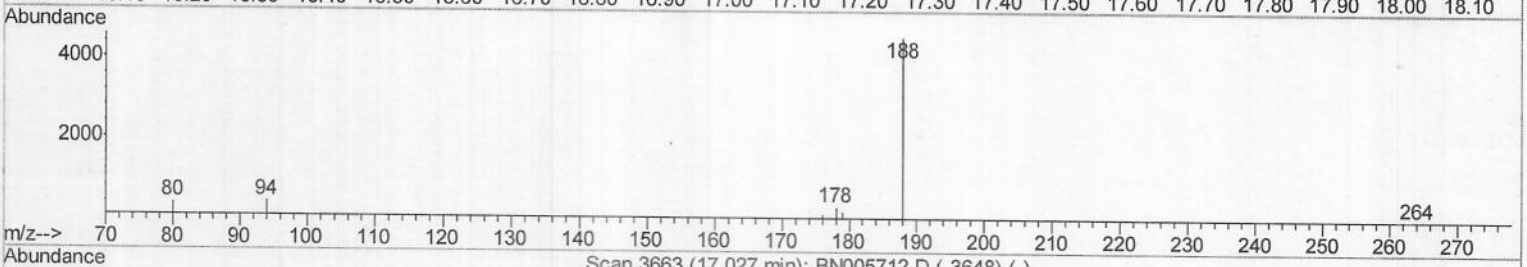
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051619\
Data File : BN005718.D
Acq On : 17 May 2019 00:20
Operator : JU/SJ
Sample : K2690-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

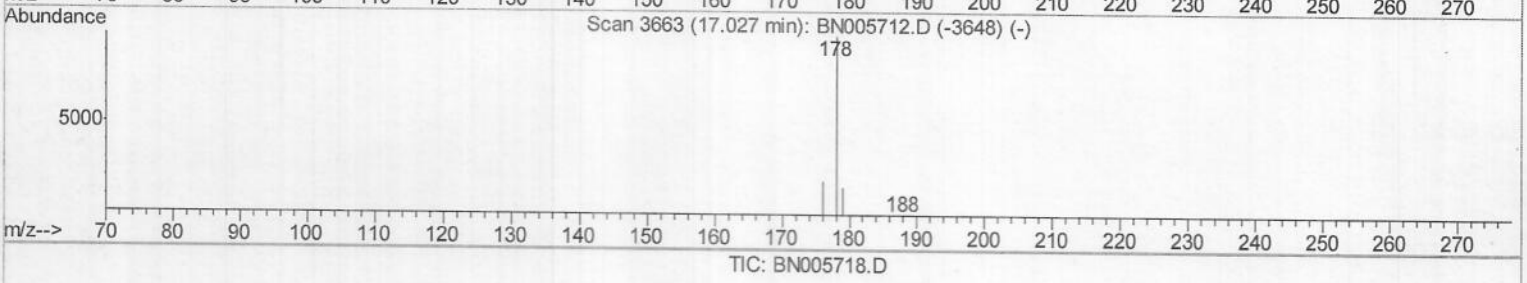
Quant Time: May 17 05:26:53 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 17 04:47:07 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
A5163

**Manual Integrations APPROVED**
mohammad
5/17/2019 3:36:12 PM




TIC: BN005718.D

(12) Phenanthrene

17.116min (+0.089) 0.01ng/ul

response 313

| Ion | Exp% | Act% |
|---|---|---|
| 178.00 | 100 | 100 |
| 179.00 | 16.00 | 65.04# |
| 176.00 | 19.10 | 51.00# |
| 0.00 | 0.00 | 0.00 |

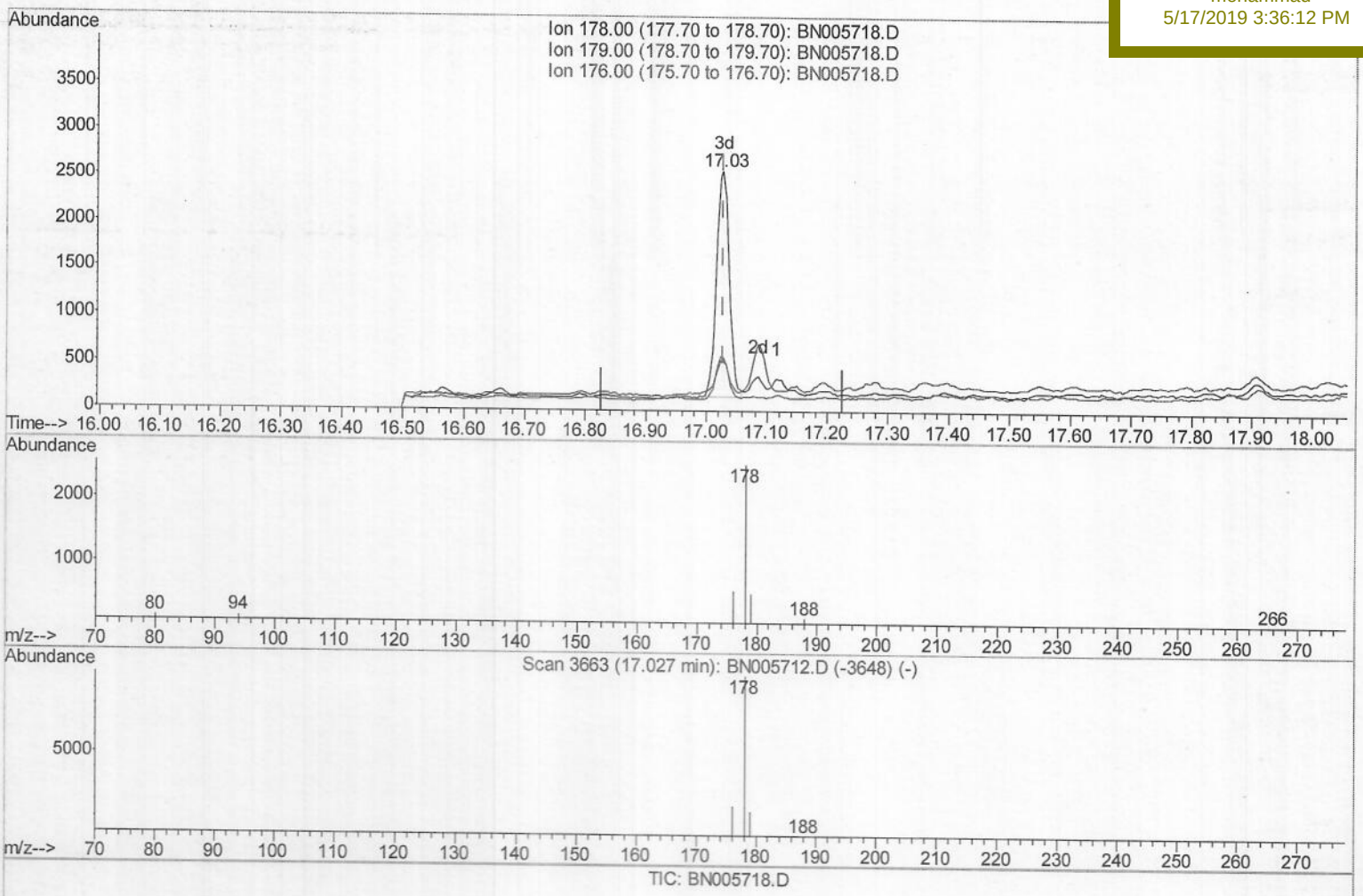
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051619\
Data File : BN005718.D
Acq On : 17 May 2019 00:20
Operator : JU/SJ
Sample : K2690-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 17 05:26:53 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 17 04:47:07 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
A5163

**Manual Integrations APPROVED**
mohammad
5/17/2019 3:36:12 PM




(12) Phenanthrene

17.027min (+0.000) 0.15ng/ul m JJU05122119

response 3471

| Ion | Exp% | Act% |
|---|---|---|
| 178.00 | 100 | 100 |
| 179.00 | 16.00 | 20.81# |
| 176.00 | 19.10 | 22.95# |
| 0.00 | 0.00 | 0.00 |

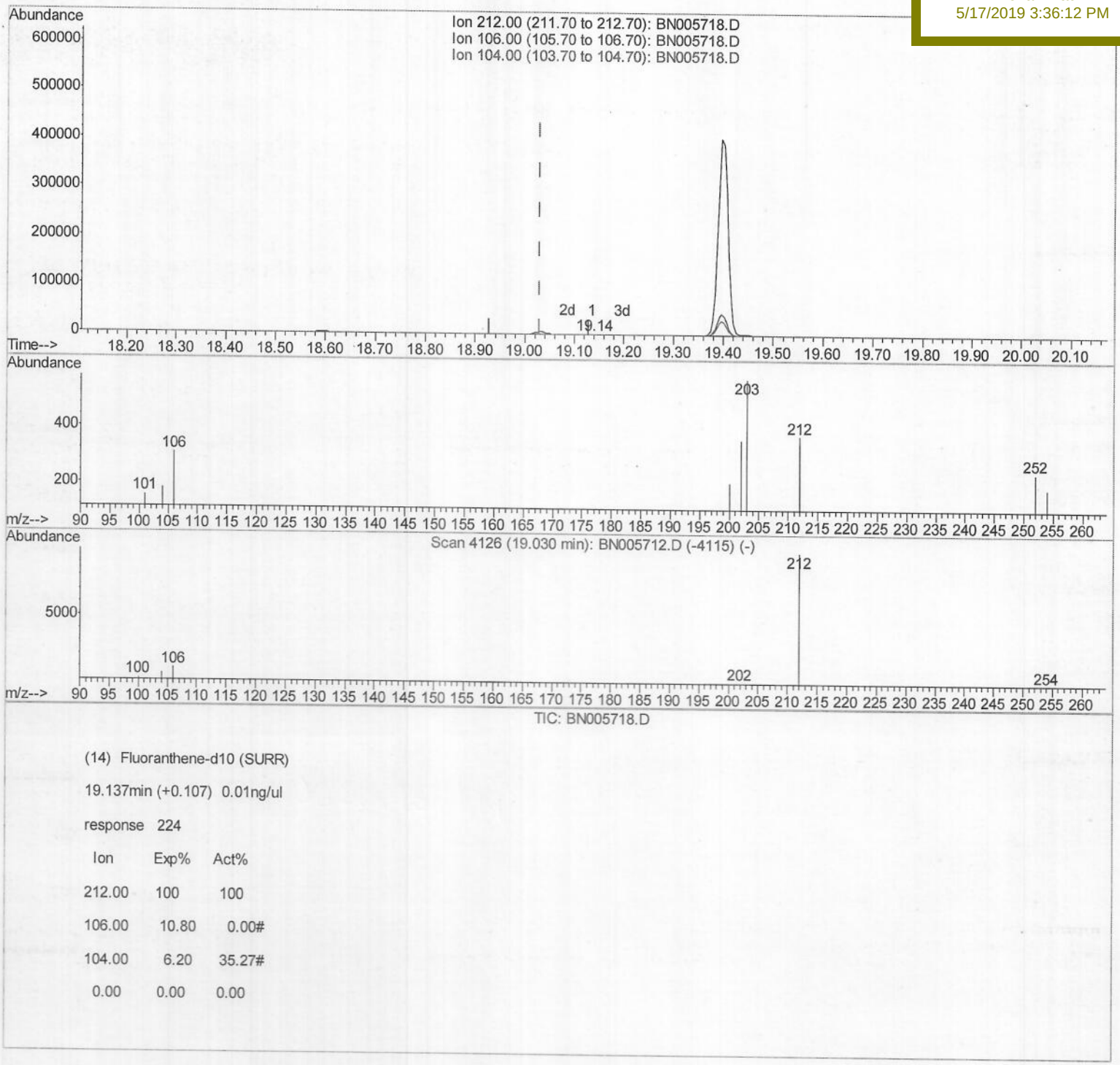
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051619\
Data File : BN005718.D
Acq On : 17 May 2019 00:20
Operator : JU/SJ
Sample : K2690-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 17 05:26:53 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 17 04:47:07 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
A5163

**Manual Integrations APPROVED**
mohammad
5/17/2019 3:36:12 PM




TIC: BN005718.D

(14) Fluoranthene-d10 (SURR)

19.137min (+0.107) 0.01ng/ul

response 224

| Ion | Exp% | Act% |
|---|---|---|
| 212.00 | 100 | 100 |
| 106.00 | 10.80 | 0.00# |
| 104.00 | 6.20 | 35.27# |
| 0.00 | 0.00 | 0.00 |

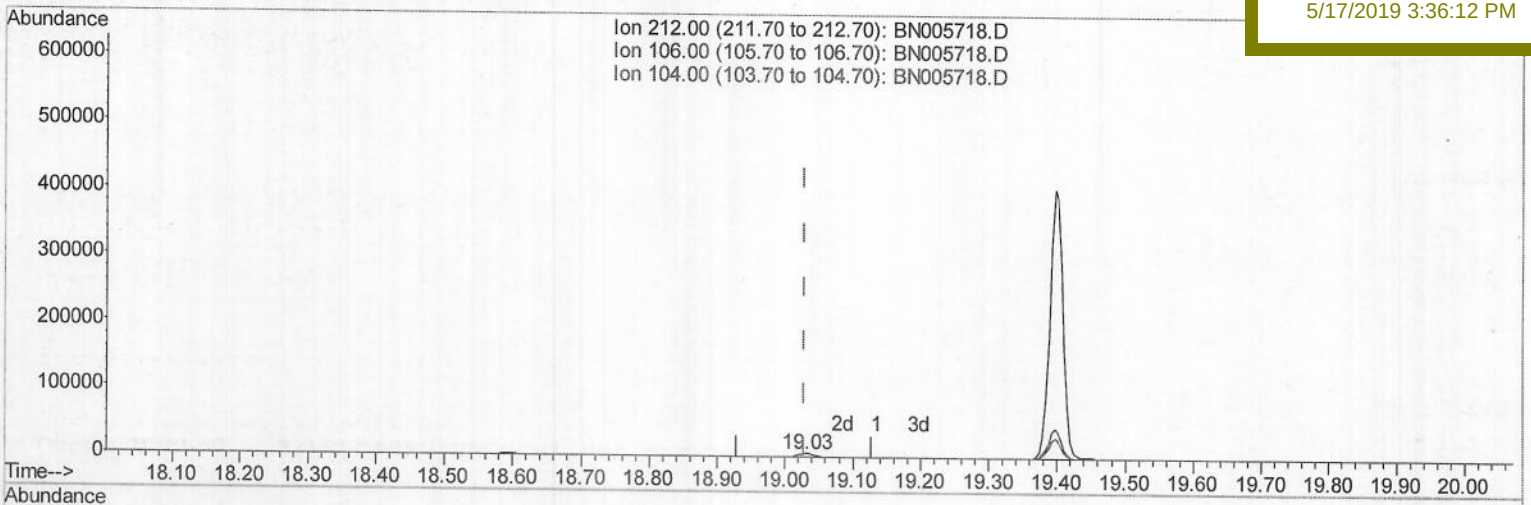
Quantitation Report (Qedit)

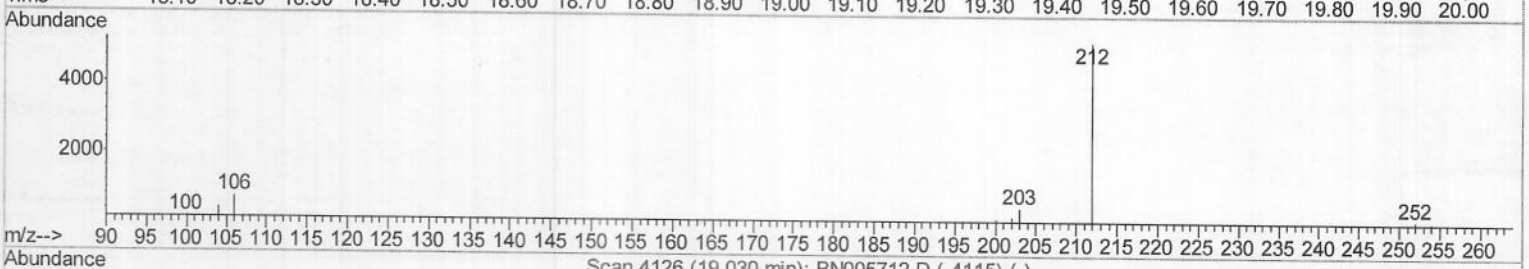
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051619\
Data File : BN005718.D
Acq On : 17 May 2019 00:20
Operator : JU/SJ
Sample : K2690-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

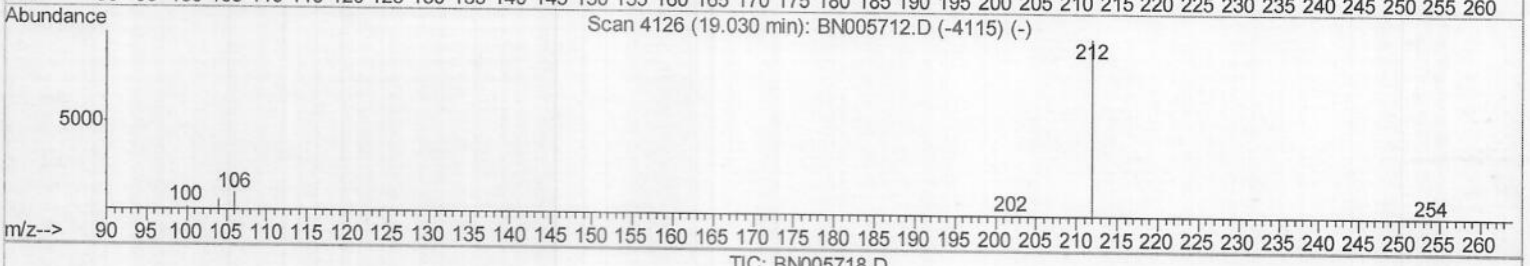
Quant Time: May 17 05:26:53 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 17 04:47:07 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
A5163

**Manual Integrations APPROVED**
mohammad
5/17/2019 3:36:12 PM




TIC: BN005718.D

(14) Fluoranthene-d10 (SURR)

19.030min (+0.000) 0.26ng/ul m SJ JU 05/22/19

response 7131

| Ion | Exp% | Act% |
|---|---|---|
| 212.00 | 100 | 100 |
| 106.00 | 10.80 | 0.00# |
| 104.00 | 6.20 | 1.11# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051619\
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Operator : JU/SJ
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Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 17 05:26:53 2019
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**Instrument :**
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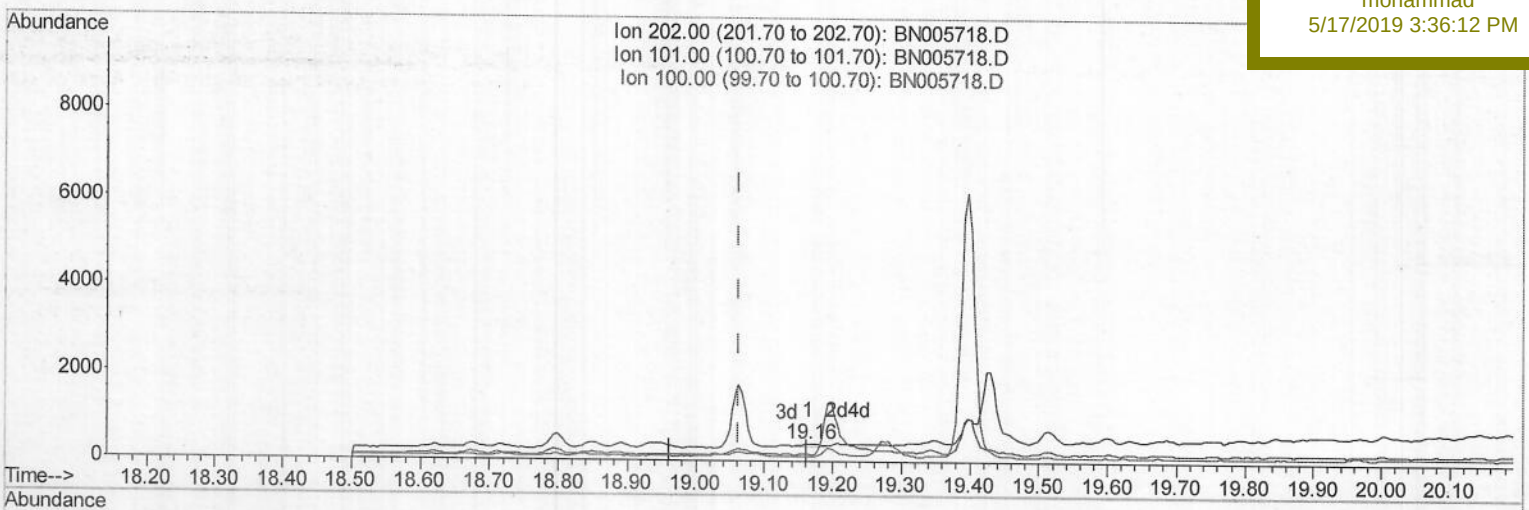
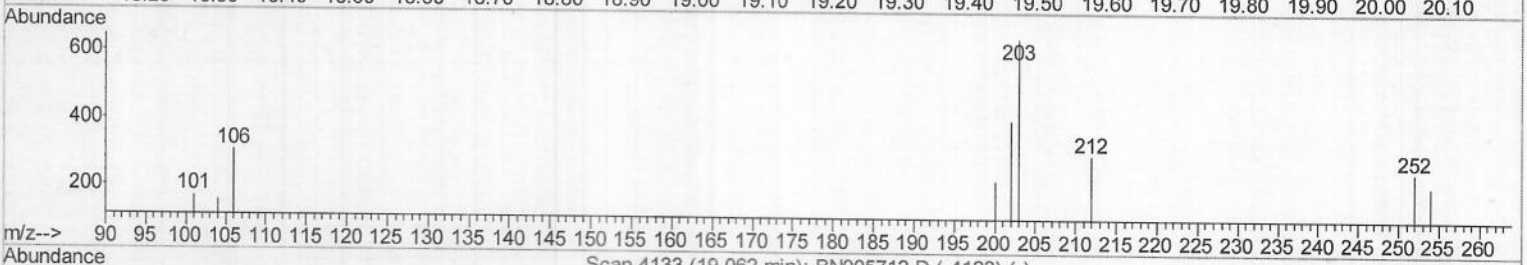
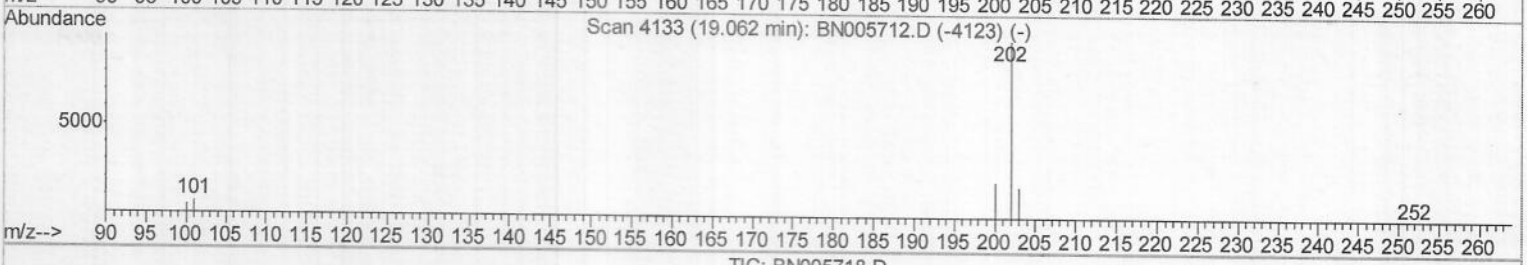
A5163

**Manual Integrations APPROVED**
mohammad
5/17/2019 3:36:12 PM




TIC: BN005718.D

(15) Fluoranthene (C)

19.165min (+0.102) 0.00ng/ul

response 93

| Ion | Exp% | Act% |
|---|---|---|
| 202.00 | 100 | 100 |
| 101.00 | 9.40 | 41.87# |
| 100.00 | 7.10 | 28.08# |
| 0.00 | 0.00 | 0.00 |

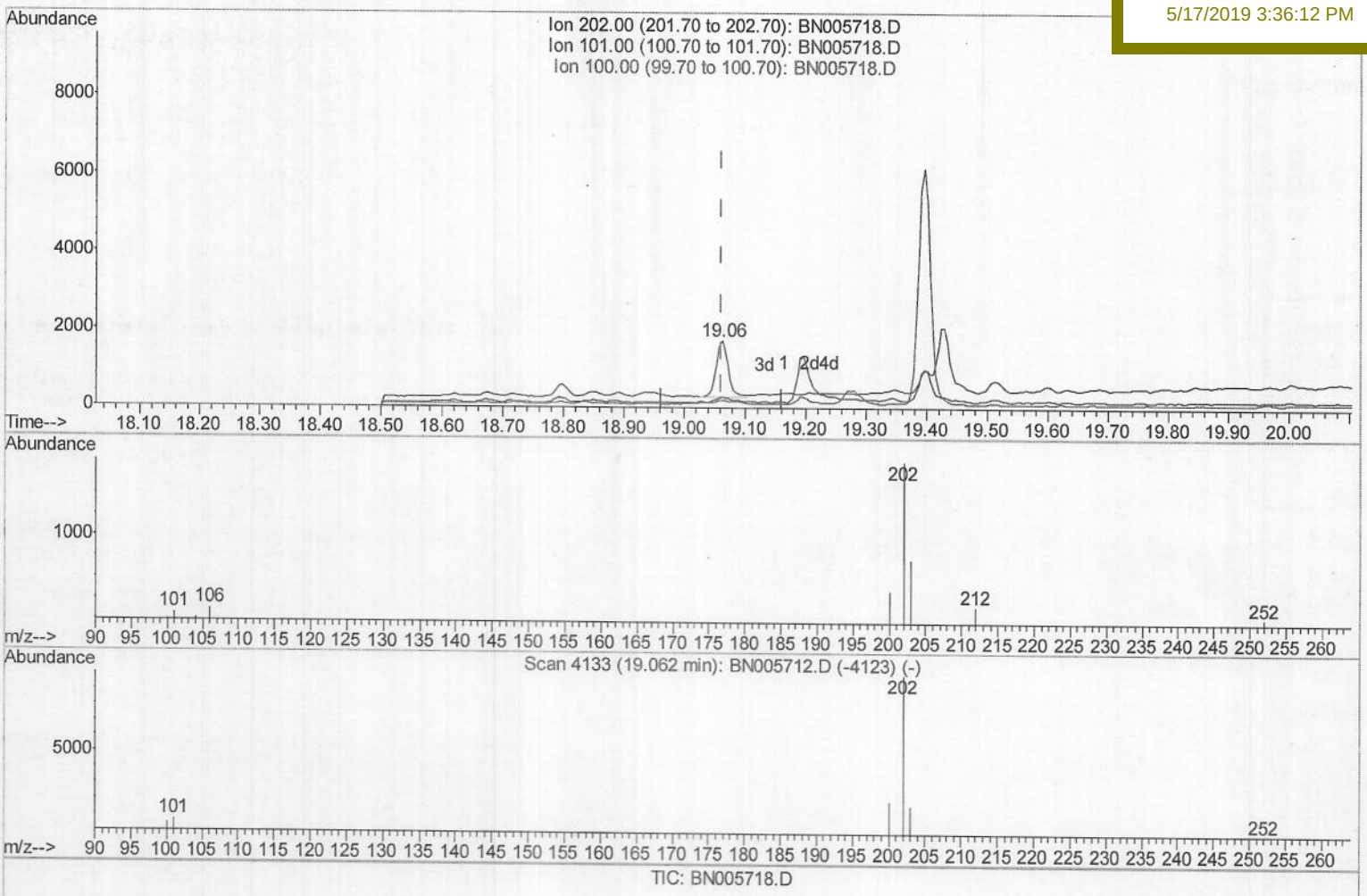
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051619\
Data File : BN005718.D
Acq On : 17 May 2019 00:20
Operator : JU/SJ
Sample : K2690-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 17 05:26:53 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 17 04:47:07 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
A5163

**Manual Integrations APPROVED**
mohammad
5/17/2019 3:36:12 PM




TIC: BN005718.D

(15) Fluoranthene (C)

19.062min (+0.000) 0.06ng/ul m ) JU05/22/19

response 2099

| Ion | Exp% | Act% |
|---|---|---|
| 202.00 | 100 | 100 |
| 101.00 | 9.40 | 15.62 |
| 100.00 | 7.10 | 11.91 |
| 0.00 | 0.00 | 0.00 |

**Instrument :**
BNA_N
**ClientSampleId :**
A5163

**Manual Integrations APPROVED**
mohammad
5/17/2019 3:36:12 PM

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051619\
Data File : BN005718.D
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Operator : JU/SJ
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 17 04:47:07 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.59 | 152 | 1396 | 0.40 | ng/ul | -0.01 |
| 2) Naphthalene-d8 | 10.35 | 136 | 5928 | 0.40 | ng/ul | 0.00 |
| 6) Acenaphthene-d10 | 14.23 | 164 | 3882 | 0.40 | ng/ul | 0.00 |
| 10) Phenanthrene-d10 | 16.98 | 188 | 8711m | 0.40 | ng/ul | 0.00 |
| 16) Chrysene-d12 | 21.22 | 240 | 5564m | 0.40 | ng/ul | 0.00 |
| 20) Perylene-d12 | 23.43 | 264 | 5250m | 0.40 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Methylnaphthalene-d10 | 11.96 | 152 | 2896 | 0.31 | ng/ul | 0.00 |
| 14) Fluoranthene-d10 | 19.03 | 212 | 7131m | 0.26 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 5) 2-Methylnaphthalene | 12.03 | 142 | 573 | 0.053 | ng/ul | 100 |
| 12) Phenanthrene | 17.03 | 178 | 3471m | 0.146 | ng/ul | |
| 15) Fluoranthene | 19.06 | 202 | 2099m | 0.064 | ng/ul | |

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