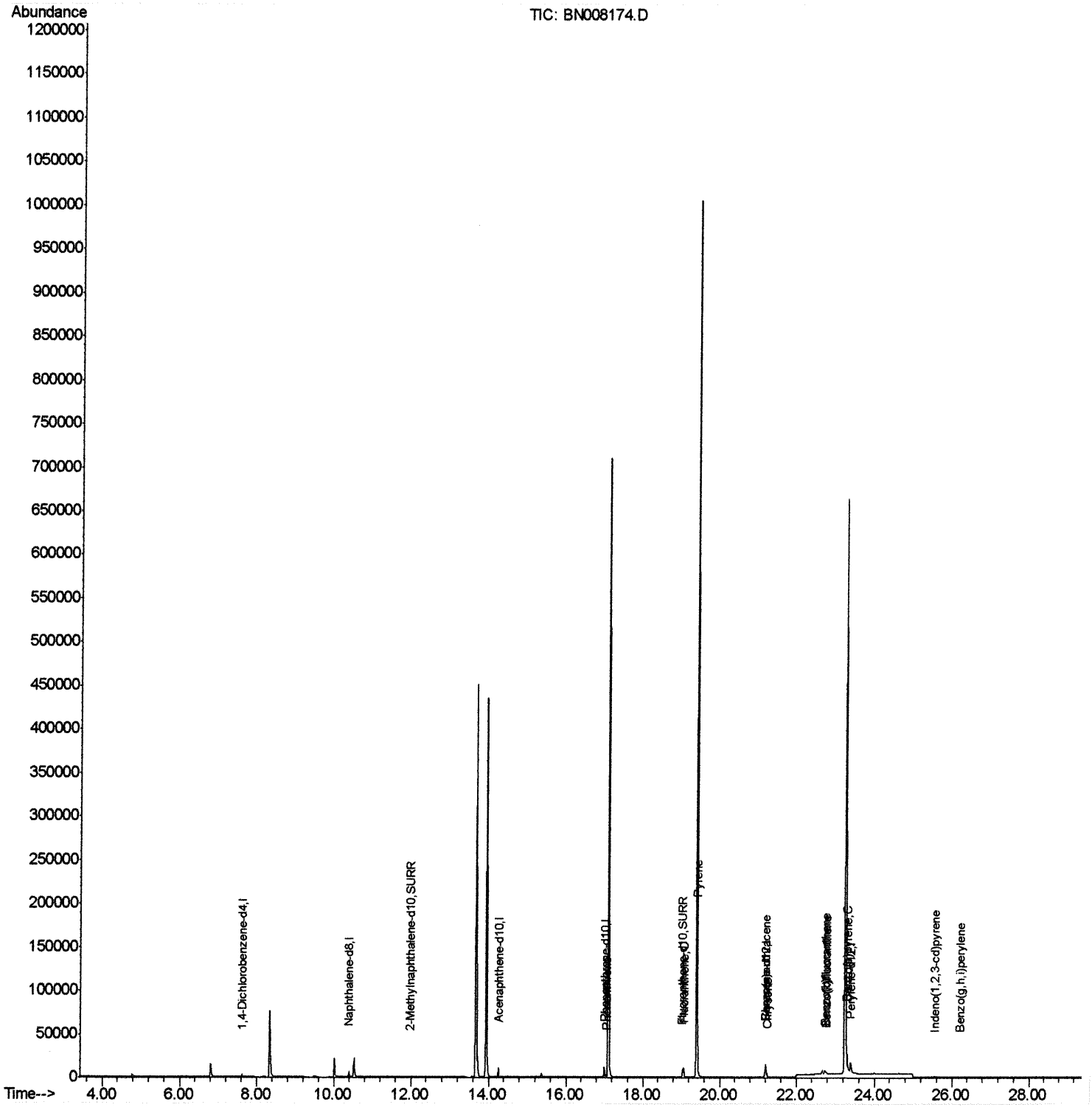
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101419\
Data File : BN008174.D
Acq On : 15 Oct 2019 15:39
Operator : JU
Sample : K5175-06
Misc :
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Oct 15 17:51:33 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
BEP86

**Manual Integrations APPROVED**
mohammad
10/16/2019 4:08:00 PM



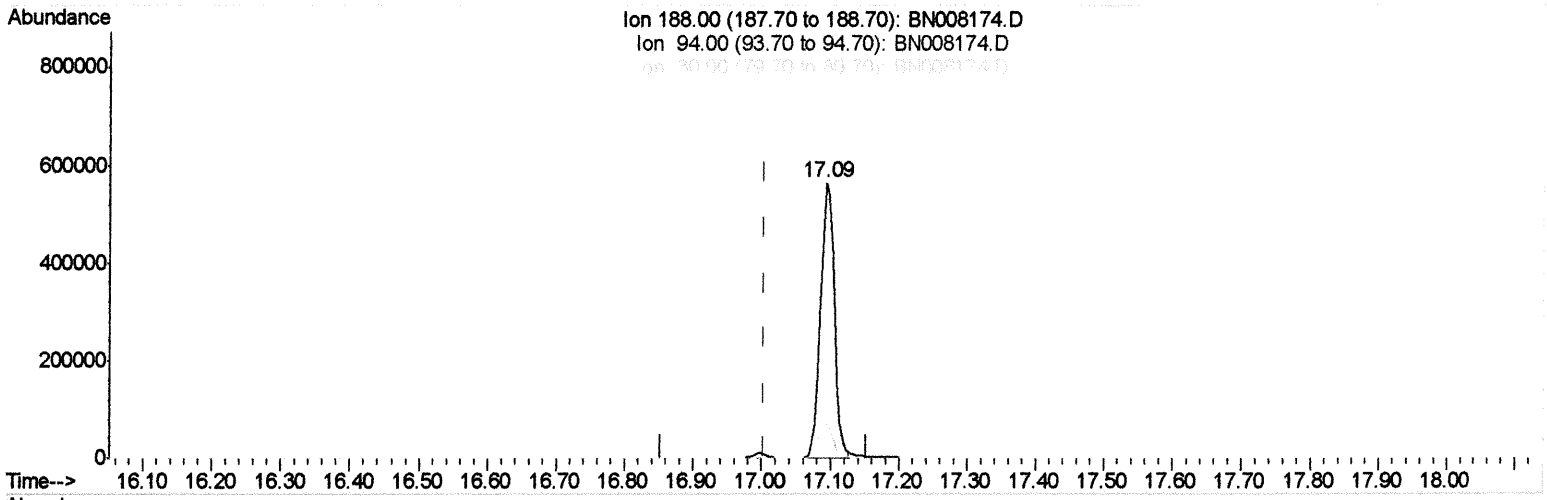
Quantitation Report (Qedit)

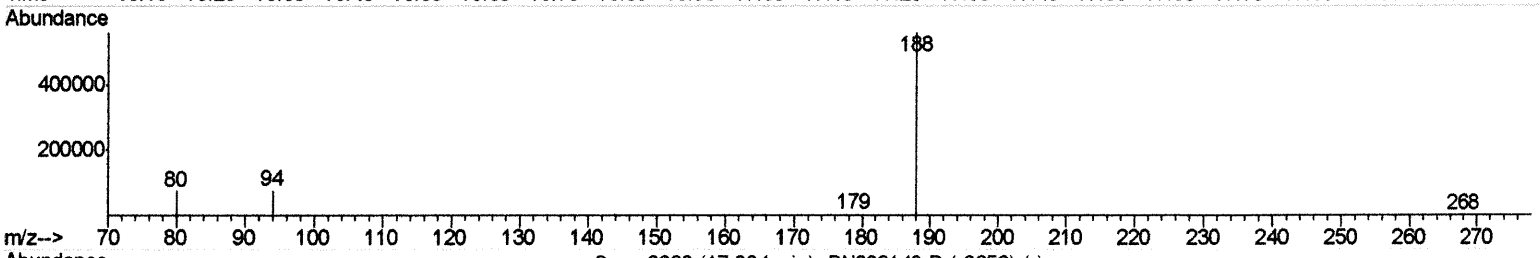
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101419\
Data File : BN008174.D
Acq On : 15 Oct 2019 15:39
Operator : JU
Sample : K5175-06
Misc :
ALS Vial : 42 Sample Multiplier: 1

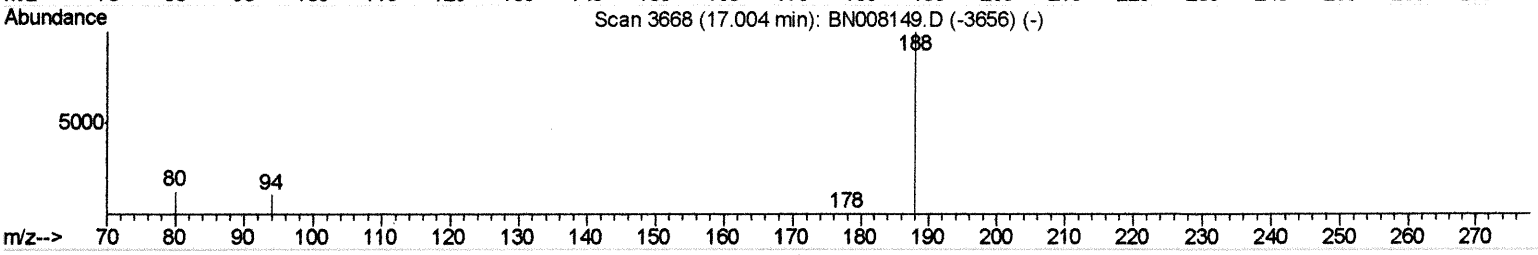
Quant Time: Oct 15 17:48:38 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
BEP86

**Manual Integrations APPROVED**
mohammad
10/16/2019 4:08:00 PM




TIC: BN008174.D

(10) Phenanthrene-d10 (I)

17.093min (+0.089) 0.40ng/ul

response 787549

| Ion | Exp% | Act% |
|---|---|---|
| 188.00 | 100 | 100 |
| 94.00 | 10.90 | 13.15# |
| 80.00 | 12.60 | 13.00 |
| 0.00 | 0.00 | 0.00 |

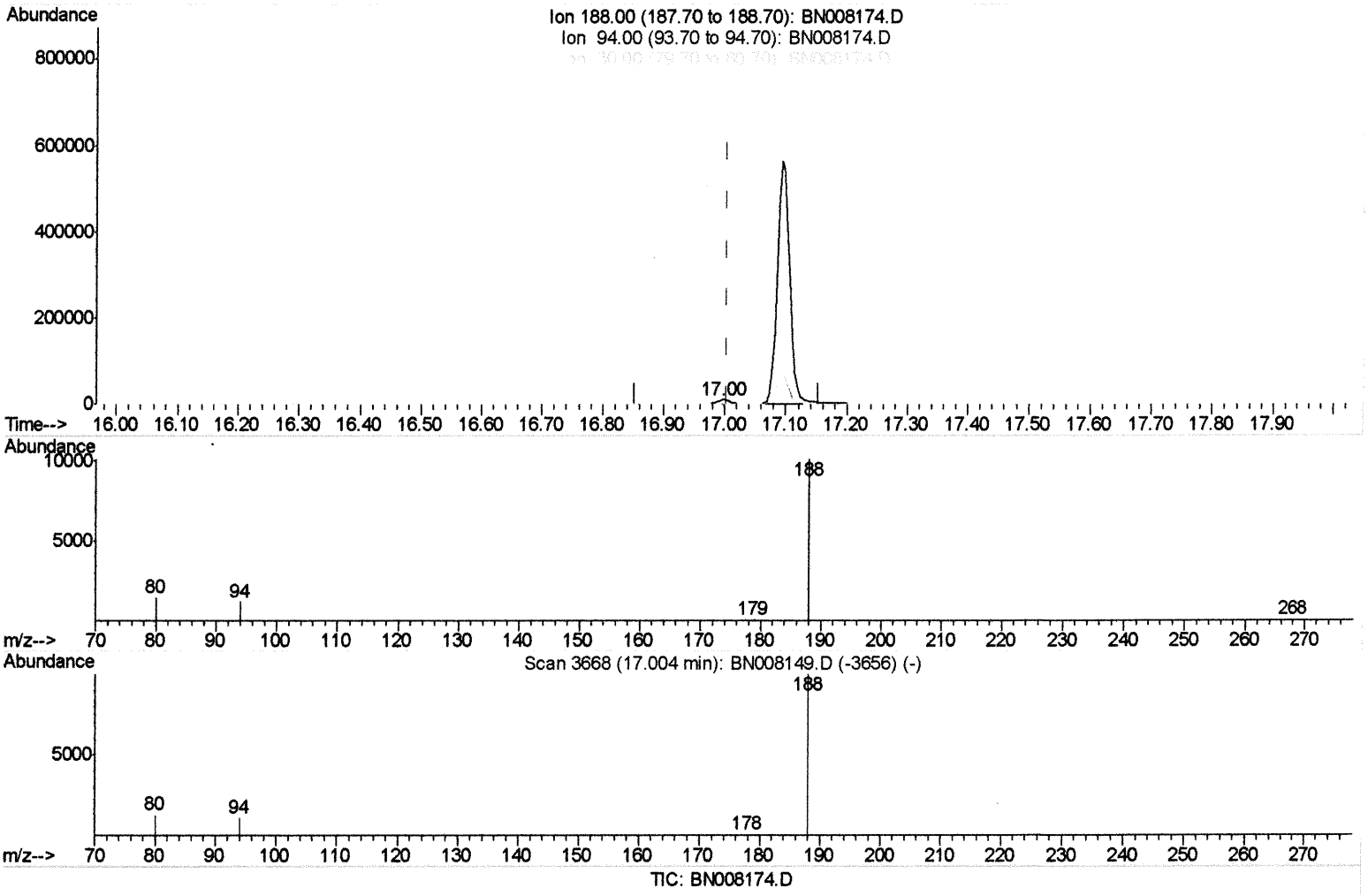
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101419\
Data File : BN008174.D
Acq On : 15 Oct 2019 15:39
Operator : JU
Sample : K5175-06
Misc :
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Oct 15 17:48:38 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
BEP86

**Manual Integrations APPROVED**
mohammad
10/16/2019 4:08:00 PM




(10) Phenanthrene-d10 (I)

16.996min (-0.009) 0.40ng/ul m JU 10/10/19

response 14455

| Ion | Exp% | Act% |
|---|---|---|
| 188.00 | 100 | 100 |
| 94.00 | 10.90 | 11.76 |
| 80.00 | 12.60 | 14.25 |
| 0.00 | 0.00 | 0.00 |

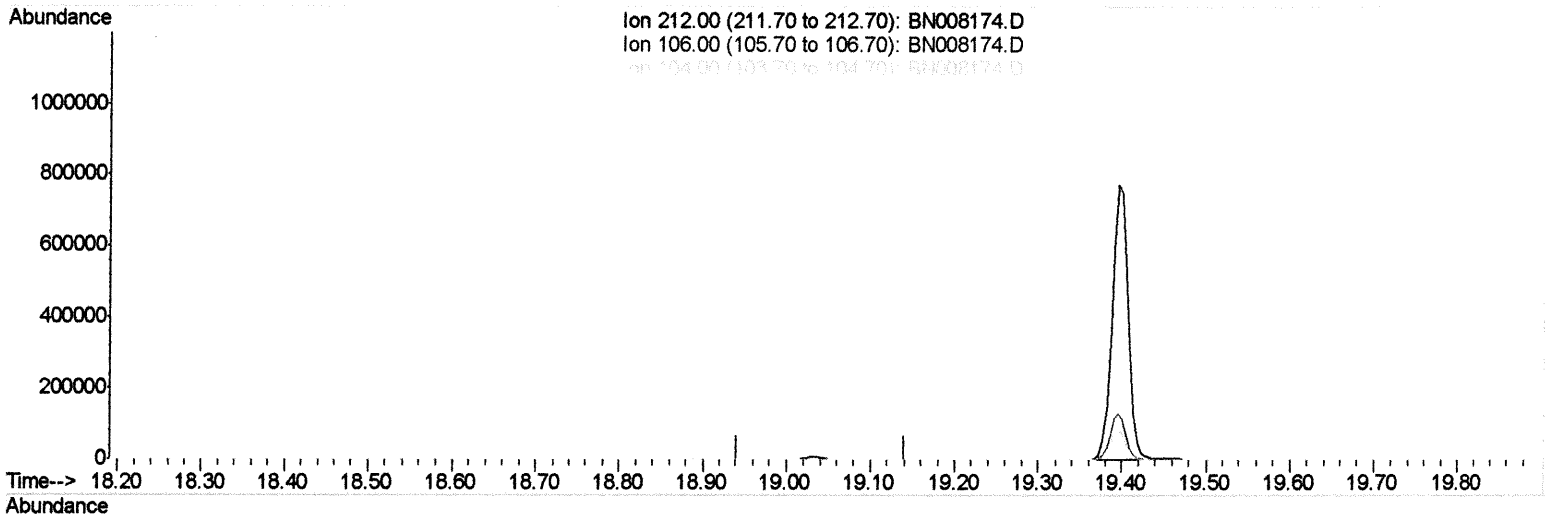
# Quantitation Report (Qedit)

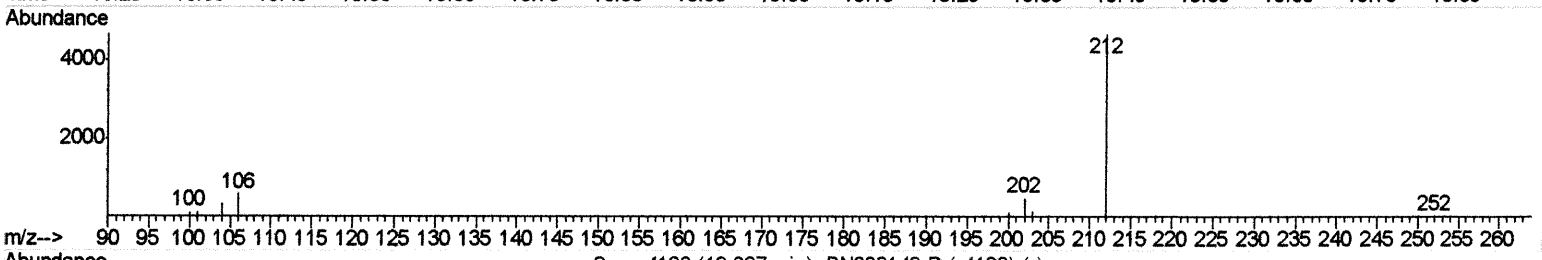
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101419\
Data File : BN008174.D
Acq On : 15 Oct 2019 15:39
Operator : JU
Sample : K5175-06
Misc :
ALS Vial : 42 Sample Multiplier: 1

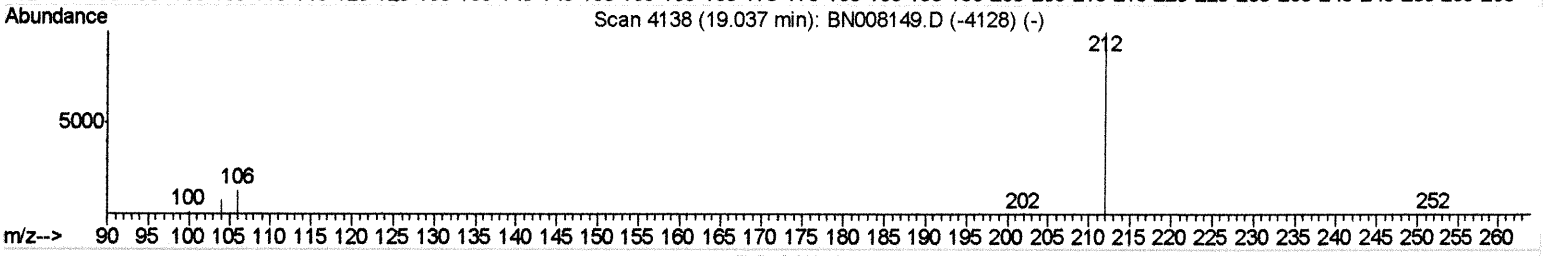
Quant Time: Oct 15 17:49:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
BEP86

**Manual Integrations APPROVED**
mohammad
10/16/2019 4:08:00 PM




TIC: BN008174.D

(14) Fluoranthene-d10 (SURR)

19.042min (-19.042) 0.00ng/ul

response 0

| Ion | Exp% | Act% |
|---|---|---|
| 212.00 | 100 | 0.00 |
| 106.00 | 12.70 | 0.00# |
| 104.00 | 7.20 | 0.00# |
| 0.00 | 0.00 | 0.00 |

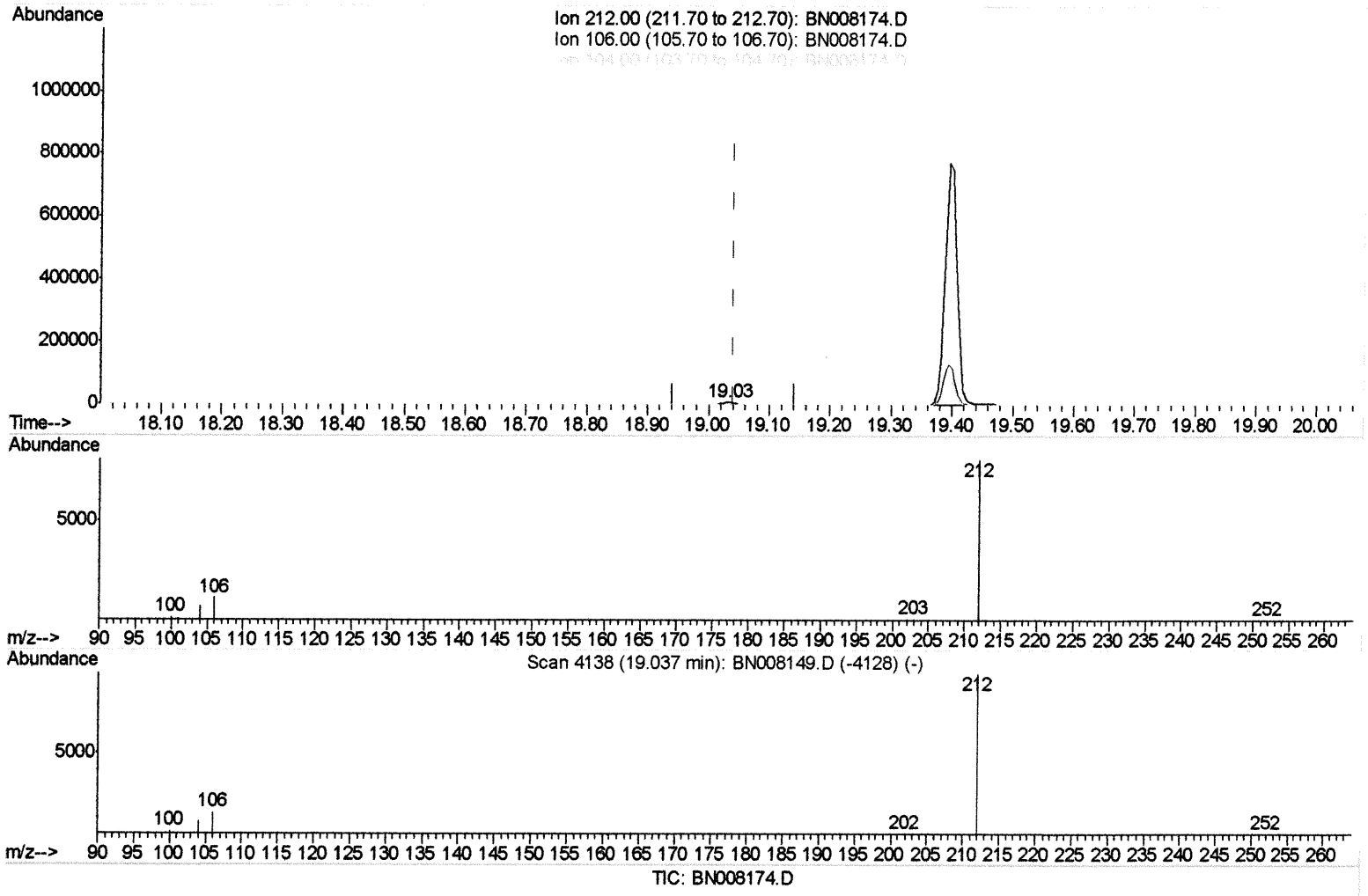
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101419\
Data File : BN008174.D
Acq On : 15 Oct 2019 15:39
Operator : JU
Sample : K5175-06
Misc :
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Oct 15 17:49:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
BEP86

**Manual Integrations APPROVED**
mohammad
10/16/2019 4:08:00 PM



TIC: BN008174.D

(14) Fluoranthene-d10 (SURR)

19.032min (-0.009) 0.23ng/ul m JU 10/16/19

response 11478

| Ion | Exp% | Act% |
|---|---|---|
| 212.00 | 100 | 100 |
| 106.00 | 12.70 | 0.00# |
| 104.00 | 7.20 | 0.00# |
| 0.00 | 0.00 | 0.00 |

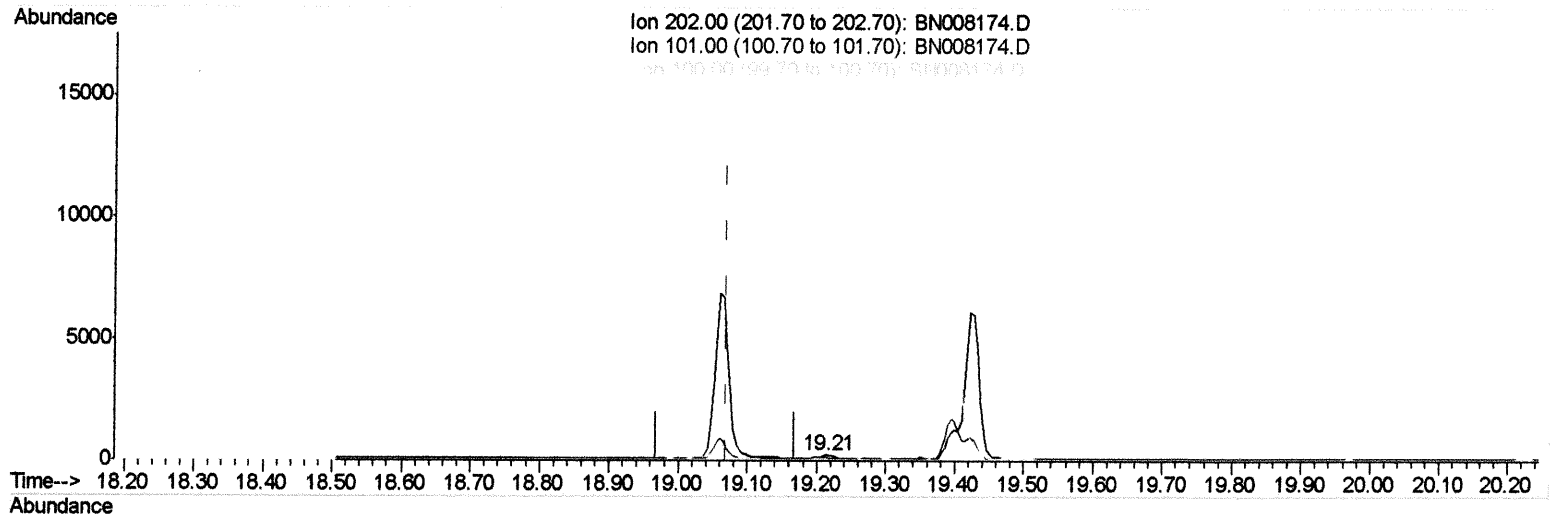
Quantitation Report (Qedit)

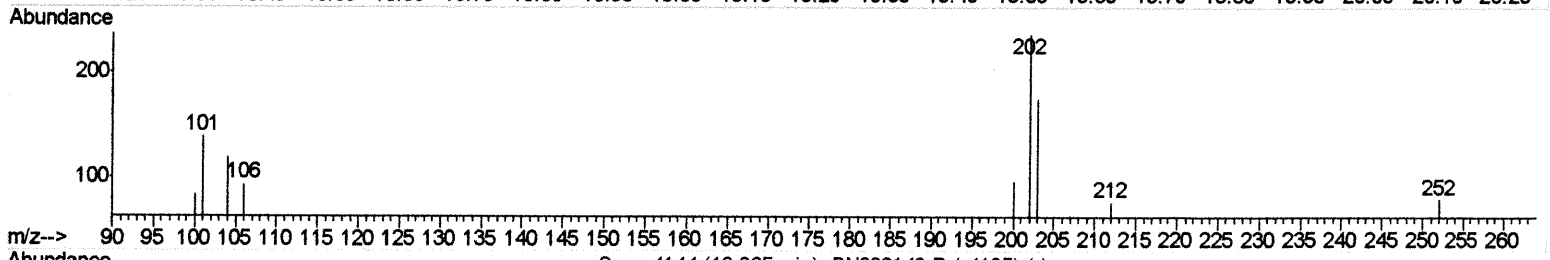
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101419\
Data File : BN008174.D
Acq On : 15 Oct 2019 15:39
Operator : JU
Sample : K5175-06
Misc :
ALS Vial : 42 Sample Multiplier: 1

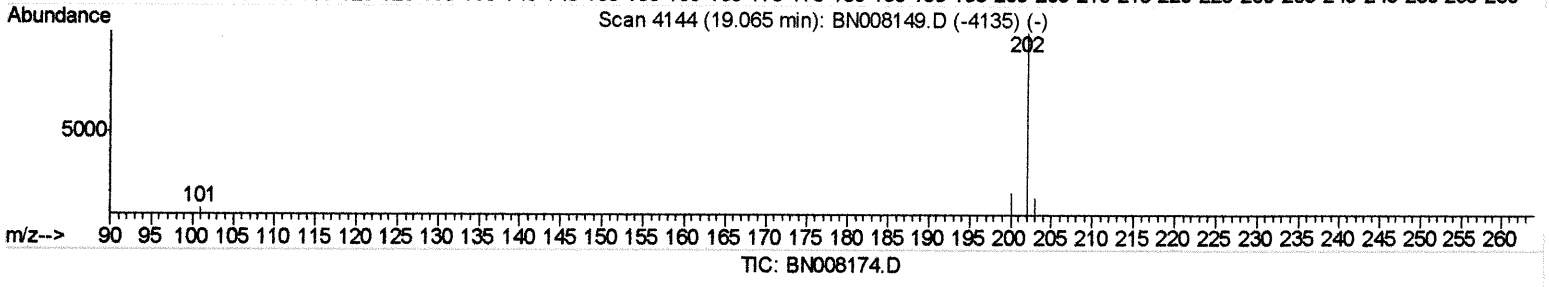
Quant Time: Oct 15 17:49:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
BEP86

**Manual Integrations APPROVED**
mohammad
10/16/2019 4:08:00 PM




TIC: BN008174.D

(15) Fluoranthene (C)

19.214min (+0.144) 0.00ng/ul

response 186

| Ion | Exp% | Act% |
|---|---|---|
| 202.00 | 100 | 100 |
| 101.00 | 11.20 | 58.90# |
| 100.00 | 8.50 | 35.59# |
| 0.00 | 0.00 | 0.00 |

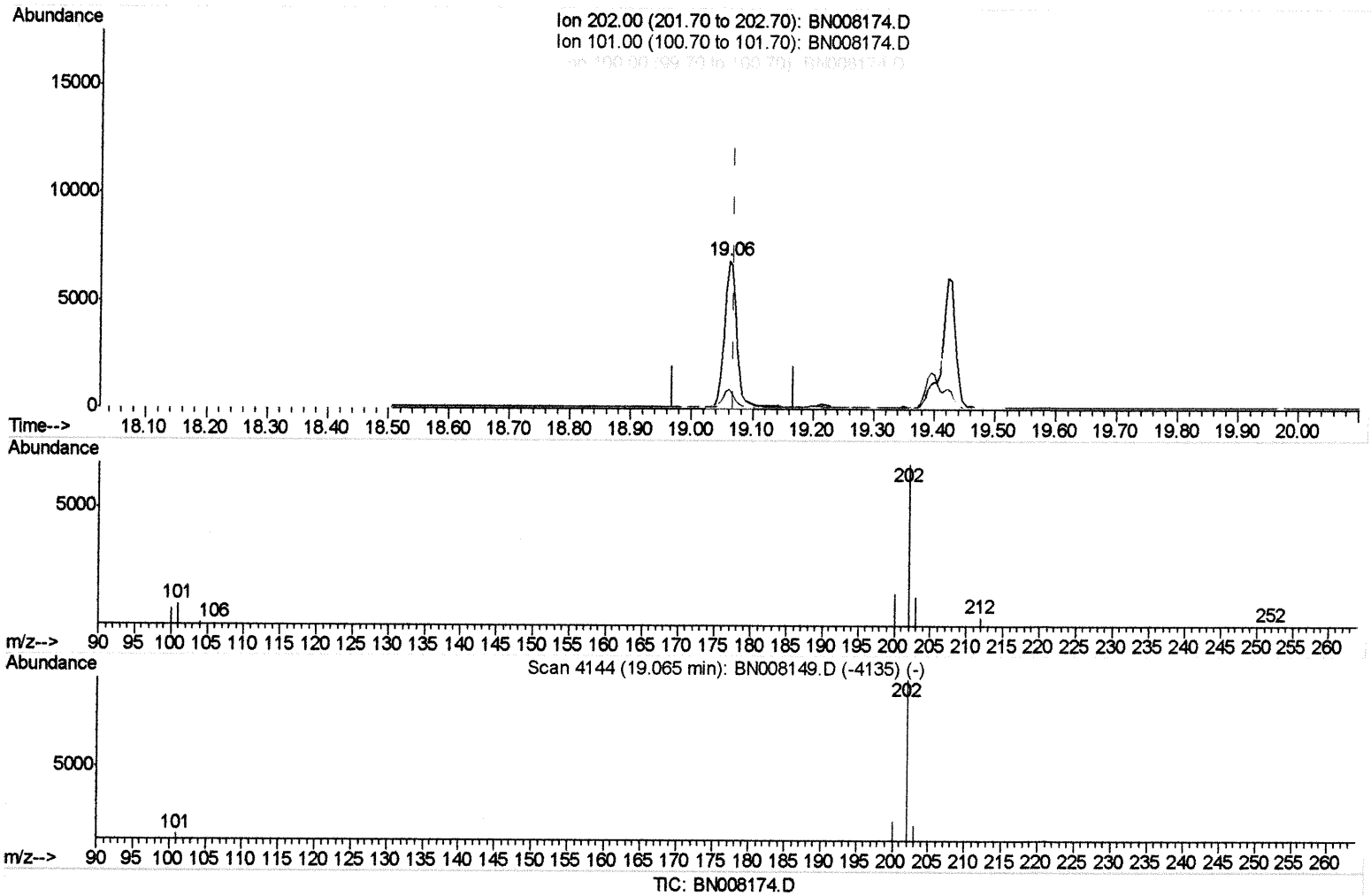
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101419\
Data File : BN008174.D
Acq On : 15 Oct 2019 15:39
Operator : JU
Sample : K5175-06
Misc :
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Oct 15 17:49:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
BEP86

**Manual Integrations APPROVED**
mohammad
10/16/2019 4:08:00 PM




TIC: BN008174.D

(15) Fluoranthene (C)

19.060min (-0.009) 0.18ng/ul m JU 10/16/19

response 9838

| Ion | Exp% | Act% |
|---|---|---|
| 202.00 | 100 | 100 |
| 101.00 | 11.20 | 13.11 |
| 100.00 | 8.50 | 10.22 |
| 0.00 | 0.00 | 0.00 |

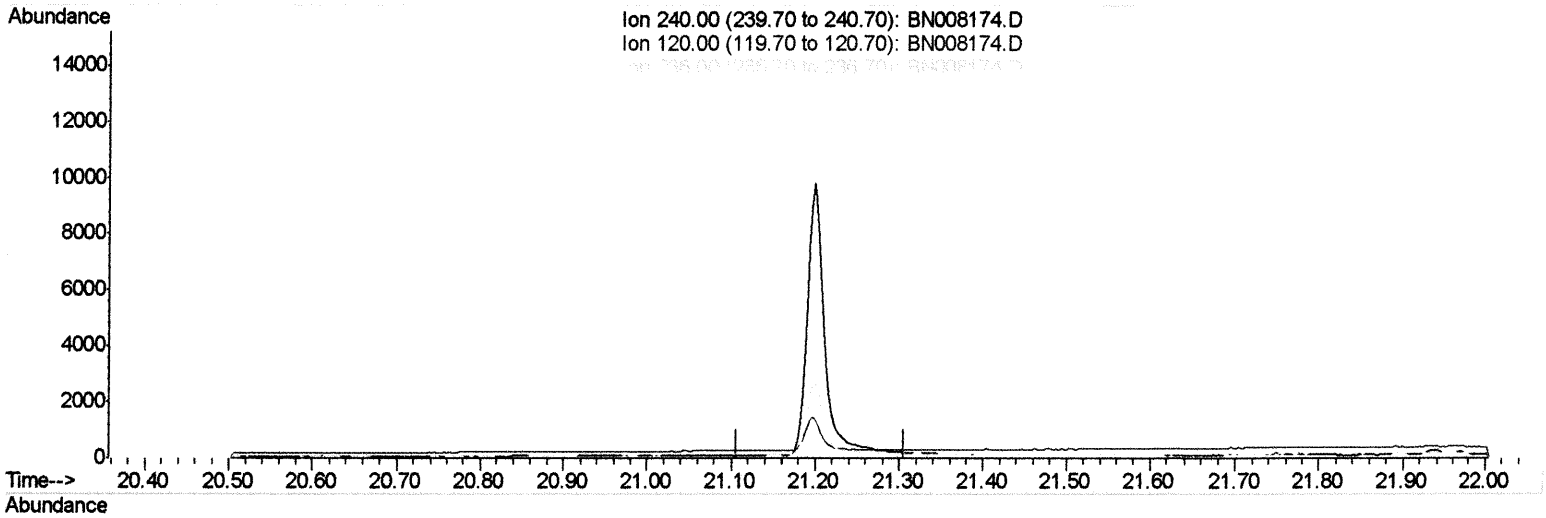
# Quantitation Report (Qedit)

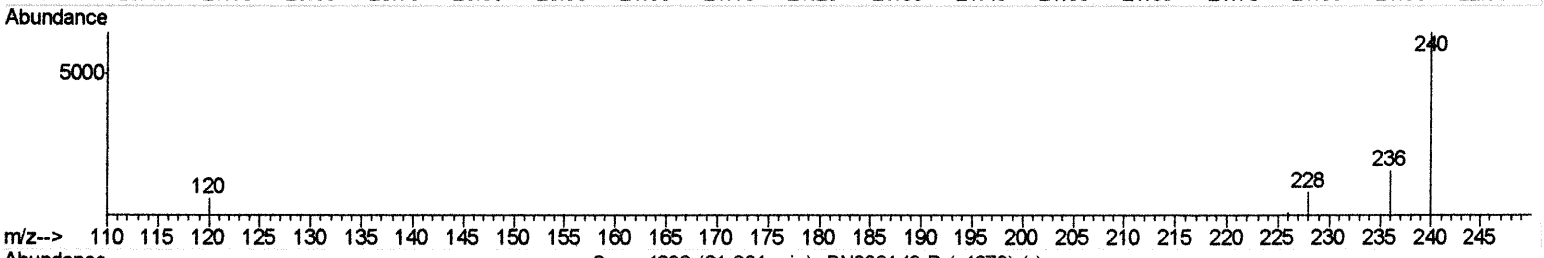
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101419\
Data File : BN008174.D
Acq On : 15 Oct 2019 15:39
Operator : JU
Sample : K5175-06
Misc :
ALS Vial : 42 Sample Multiplier: 1

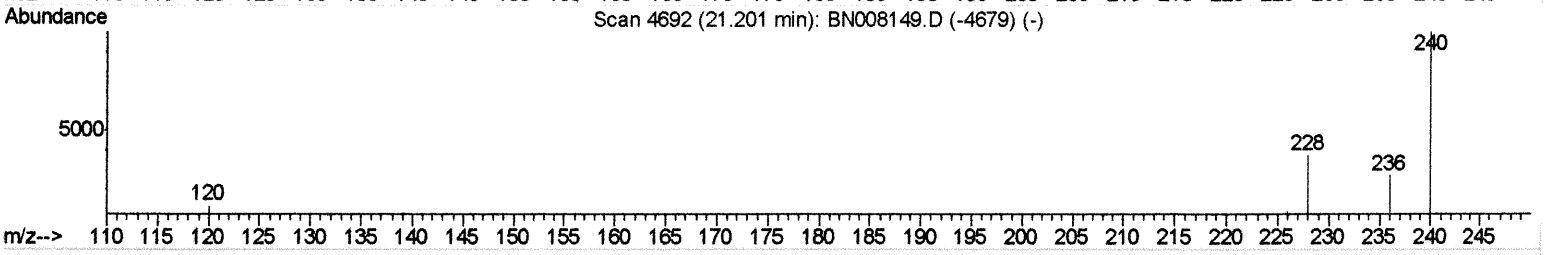
Quant Time: Oct 15 17:49:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
BEP86

**Manual Integrations APPROVED**
mohammad
10/16/2019 4:08:00 PM




TIC: BN008174.D

(16) Chrysene-d12 (I)

21.207min (-21.207) 0.00ng/ul

response 0

| Ion | Exp% | Act% |
|---|---|---|
| 240.00 | 100 | 0.00 |
| 120.00 | 14.70 | 0.00# |
| 236.00 | 28.40 | 0.00# |
| 0.00 | 0.00 | 0.00 |

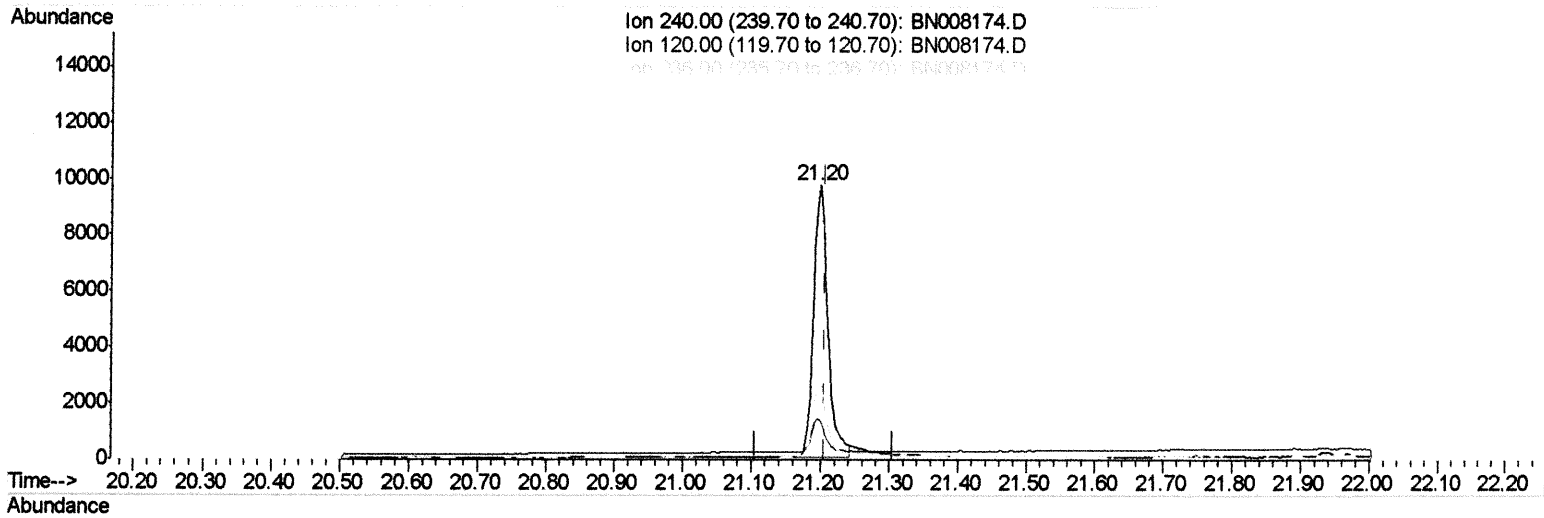
Quantitation Report (Qedit)

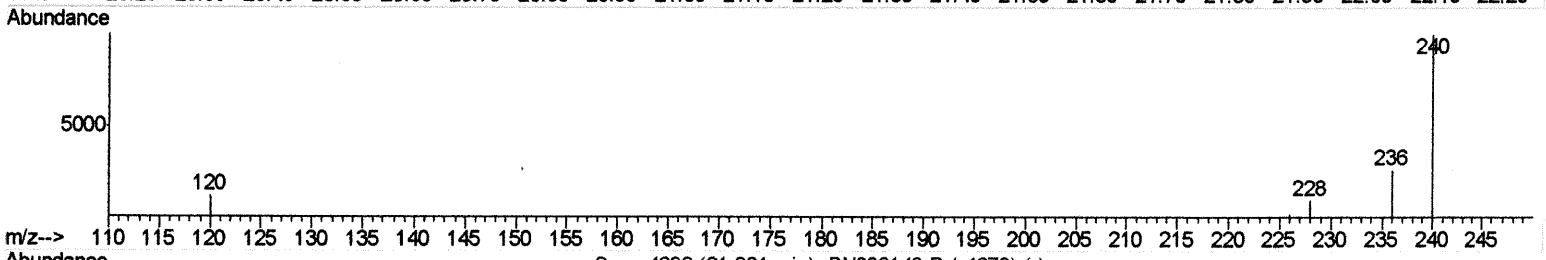
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101419\
Data File : BN008174.D
Acq On : 15 Oct 2019 15:39
Operator : JU
Sample : K5175-06
Misc :
ALS Vial : 42 Sample Multiplier: 1

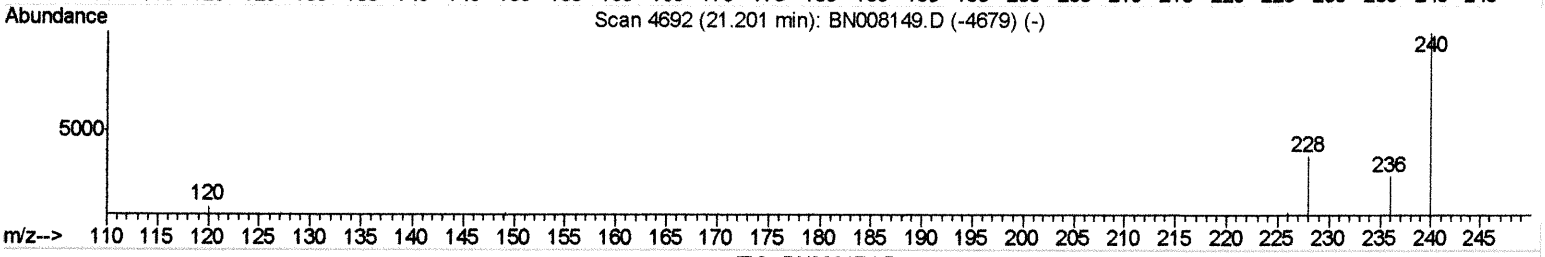
Quant Time: Oct 15 17:49:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
BEP86

**Manual Integrations APPROVED**
mohammad
10/16/2019 4:08:00 PM




TIC: BN008174.D

(16) Chrysene-d12 (I)

21.198min (-0.009) 0.40ng/ul m JU 10/16/19

response 14022

| Ion | Exp% | Act% |
|---|---|---|
| 240.00 | 100 | 100 |
| 120.00 | 14.70 | 14.52 |
| 236.00 | 28.40 | 28.27 |
| 0.00 | 0.00 | 0.00 |

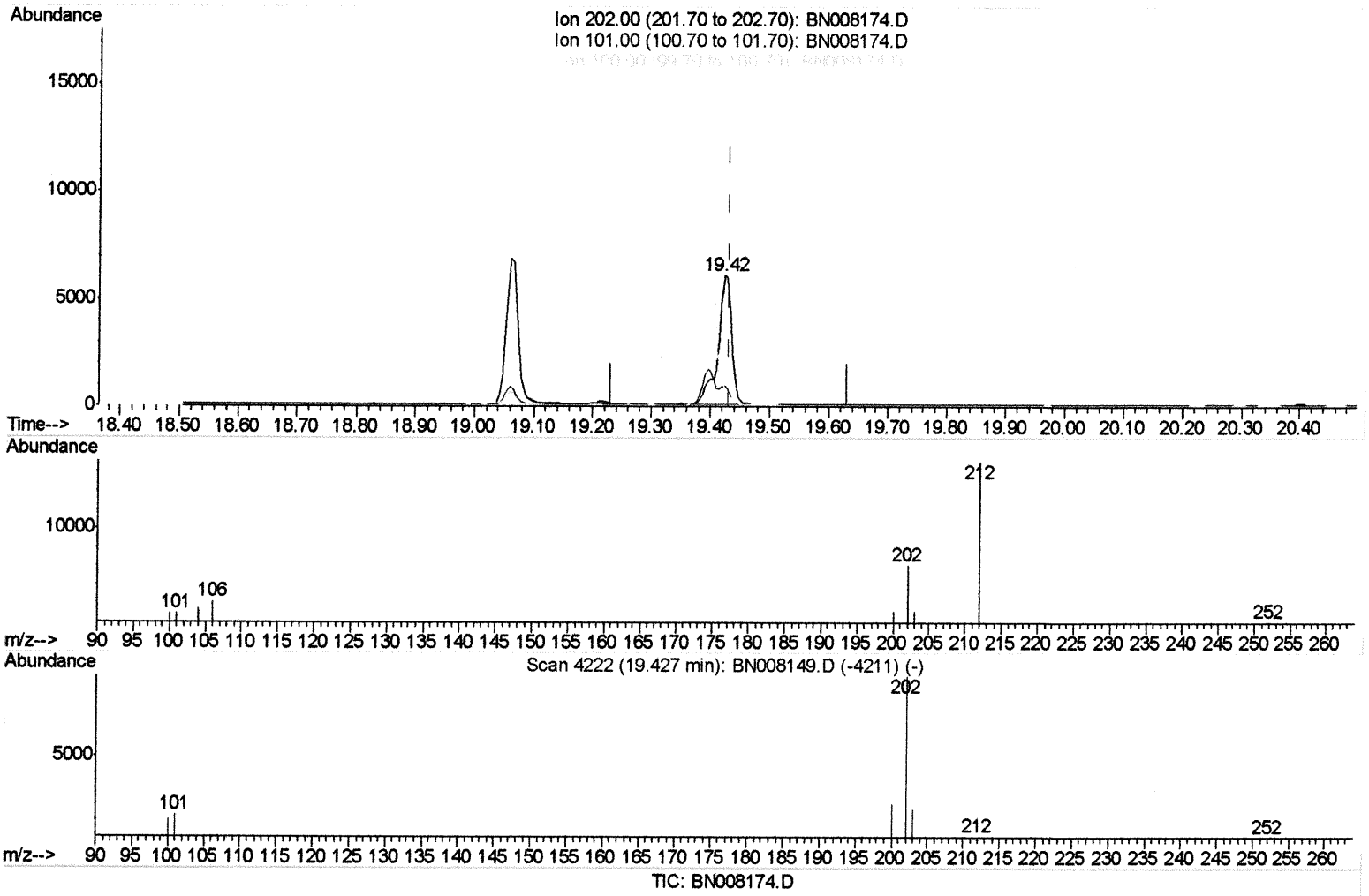
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101419\
Data File : BN008174.D
Acq On : 15 Oct 2019 15:39
Operator : JU
Sample : K5175-06
Misc :
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Oct 15 17:50:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
BEP86

**Manual Integrations APPROVED**
mohammad
10/16/2019 4:08:00 PM




TIC: BN008174.D

(17) Pyrene

19.423min (-0.009) 0.17ng/ul

response 9680

| Ion | Exp% | Act% |
|---|---|---|
| 202.00 | 100 | 100 |
| 101.00 | 13.60 | 15.96 |
| 100.00 | 10.90 | 15.55# |
| 0.00 | 0.00 | 0.00 |

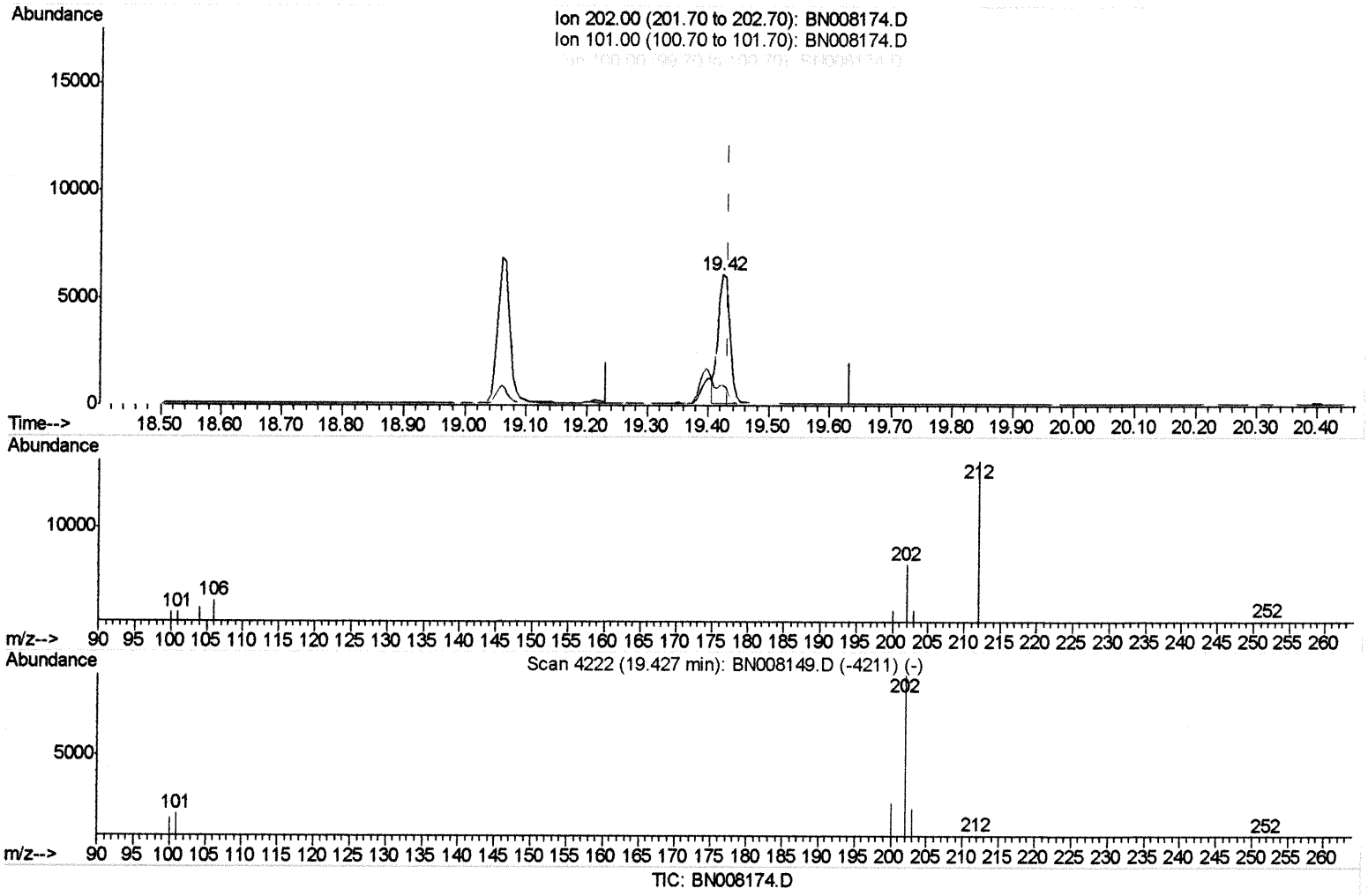
# Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101419\
Data File : BN008174.D
Acq On : 15 Oct 2019 15:39
Operator : JU
Sample : K5175-06
Misc :
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Oct 15 17:50:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
BEP86

**Manual Integrations APPROVED**
mohammad
10/16/2019 4:08:00 PM




TIC: BN008174.D

(17) Pyrene

19.423min (-0.009) 0.15ng/ul m JU 10/16/19

response 8216

| Ion | Exp% | Act% |
|---|---|---|
| 202.00 | 100 | 100 |
| 101.00 | 13.60 | 15.96 |
| 100.00 | 10.90 | 15.55# |
| 0.00 | 0.00 | 0.00 |

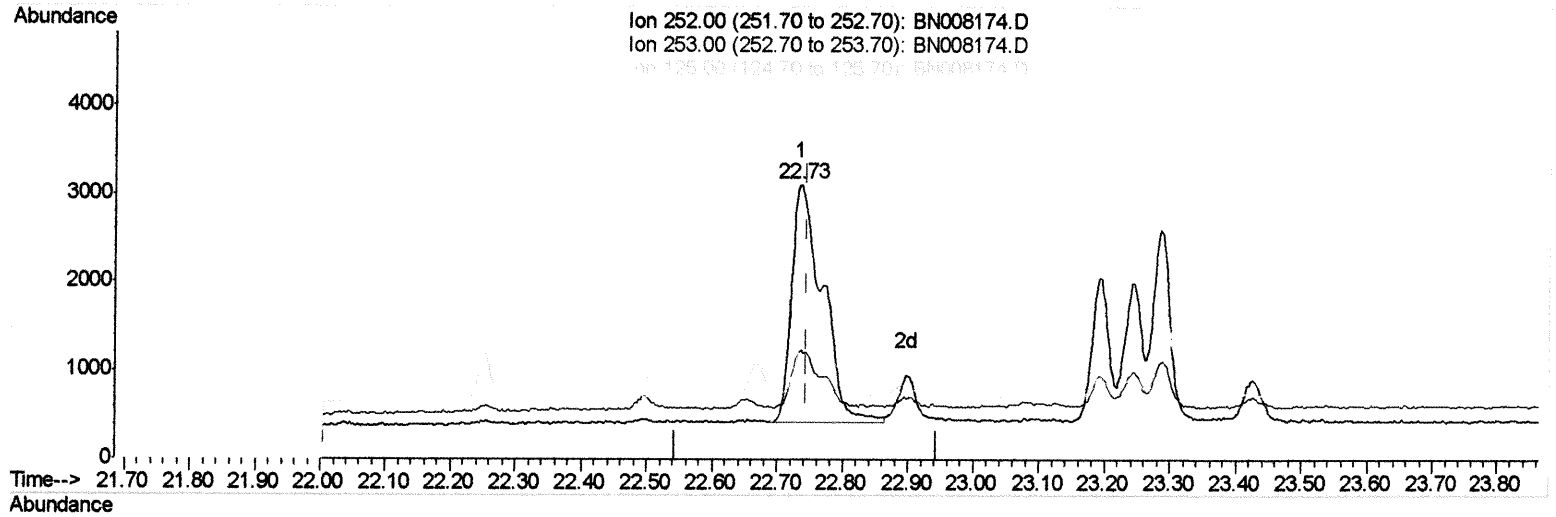
# Quantitation Report (Qedit)

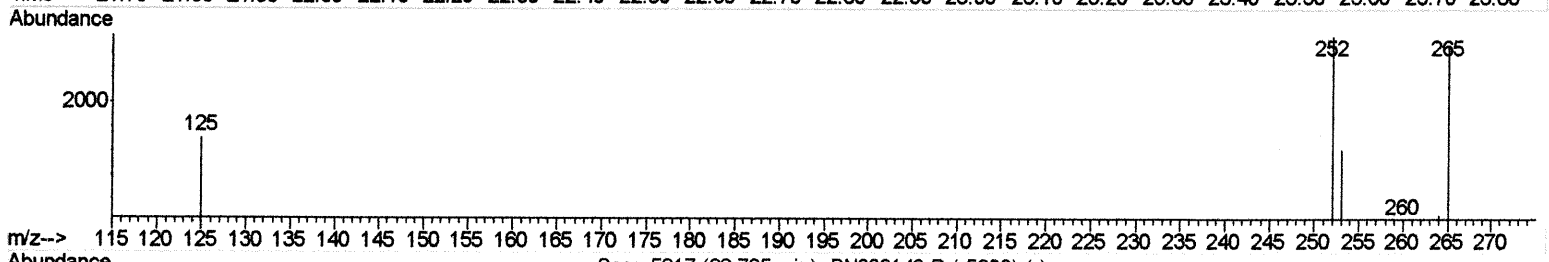
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101419\
Data File : BN008174.D
Acq On : 15 Oct 2019 15:39
Operator : JU
Sample : K5175-06
Misc :
ALS Vial : 42 Sample Multiplier: 1

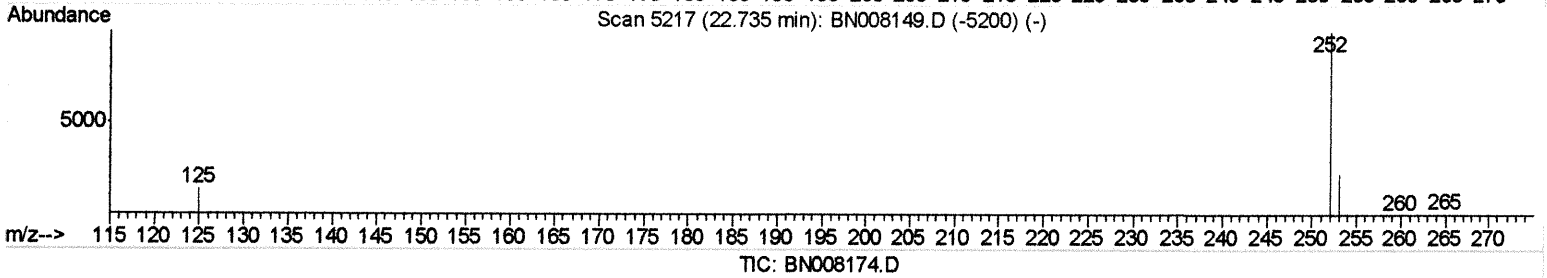
Quant Time: Oct 15 17:50:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
BEP86

**Manual Integrations APPROVED**
mohammad
10/16/2019 4:08:00 PM




TIC: BN008174.D

(21) Benzo(b)fluoranthene

22.735min (-0.009) 0.18ng/ul

response 8855

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 26.70 | 39.86 |
| 125.00 | 16.20 | 45.91# |
| 0.00 | 0.00 | 0.00 |

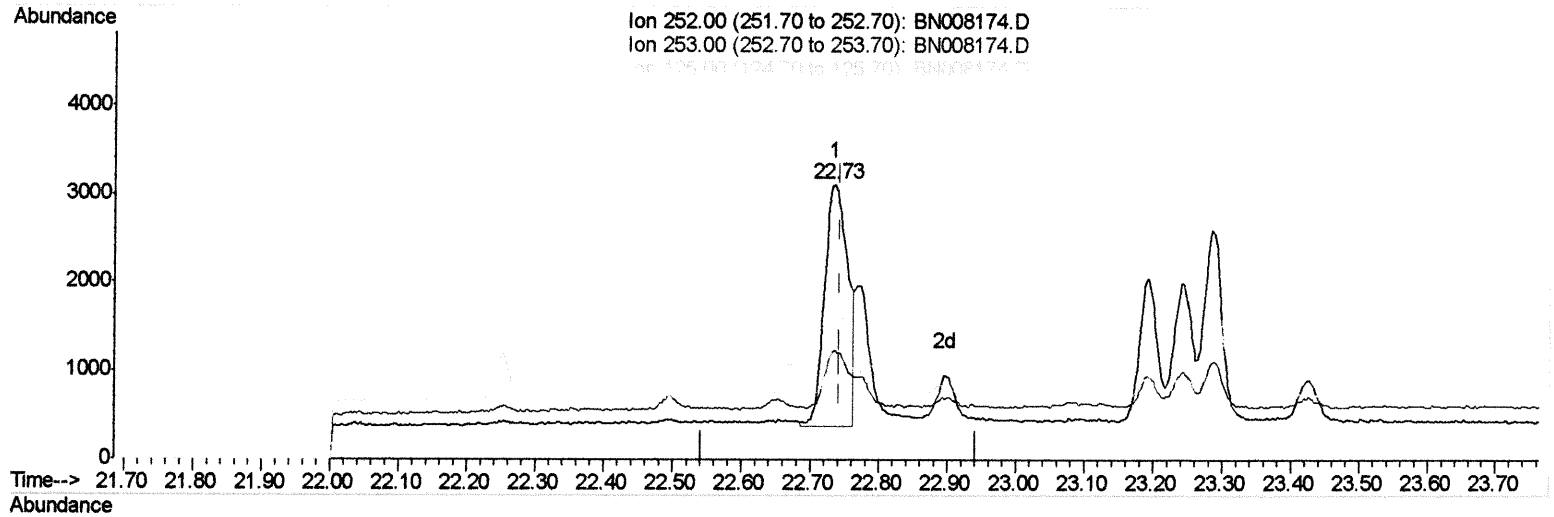
Quantitation Report (Qedit)

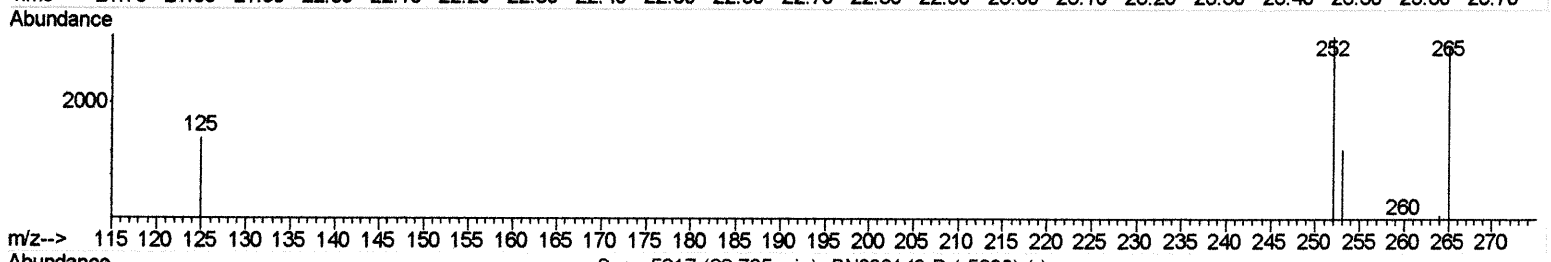
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101419\
Data File : BN008174.D
Acq On : 15 Oct 2019 15:39
Operator : JU
Sample : K5175-06
Misc :
ALS Vial : 42 Sample Multiplier: 1

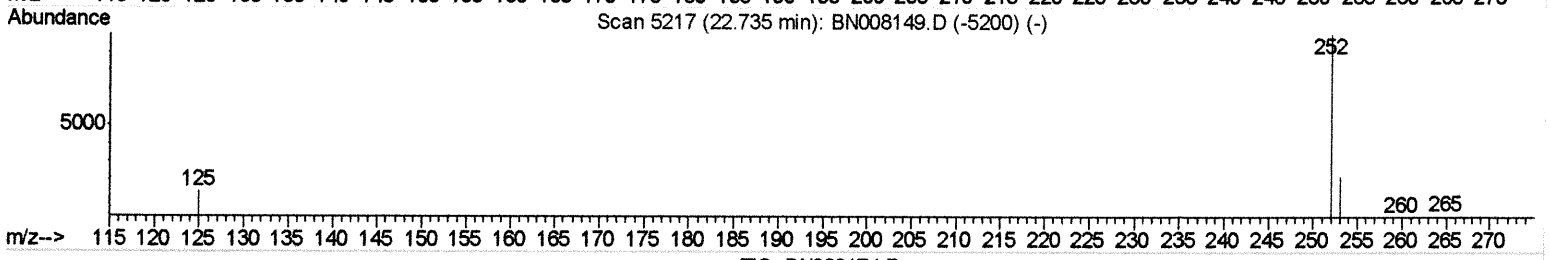
Quant Time: Oct 15 17:50:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
BEP86

**Manual Integrations APPROVED**
mohammad
10/16/2019 4:08:00 PM




TIC: BN008174.D

(21) Benzo(b)fluoranthene

22.735min (-0.009) 0.13ng/ul m JU 10/16/19

response 6353

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 26.70 | 39.86 |
| 125.00 | 16.20 | 45.91# |
| 0.00 | 0.00 | 0.00 |

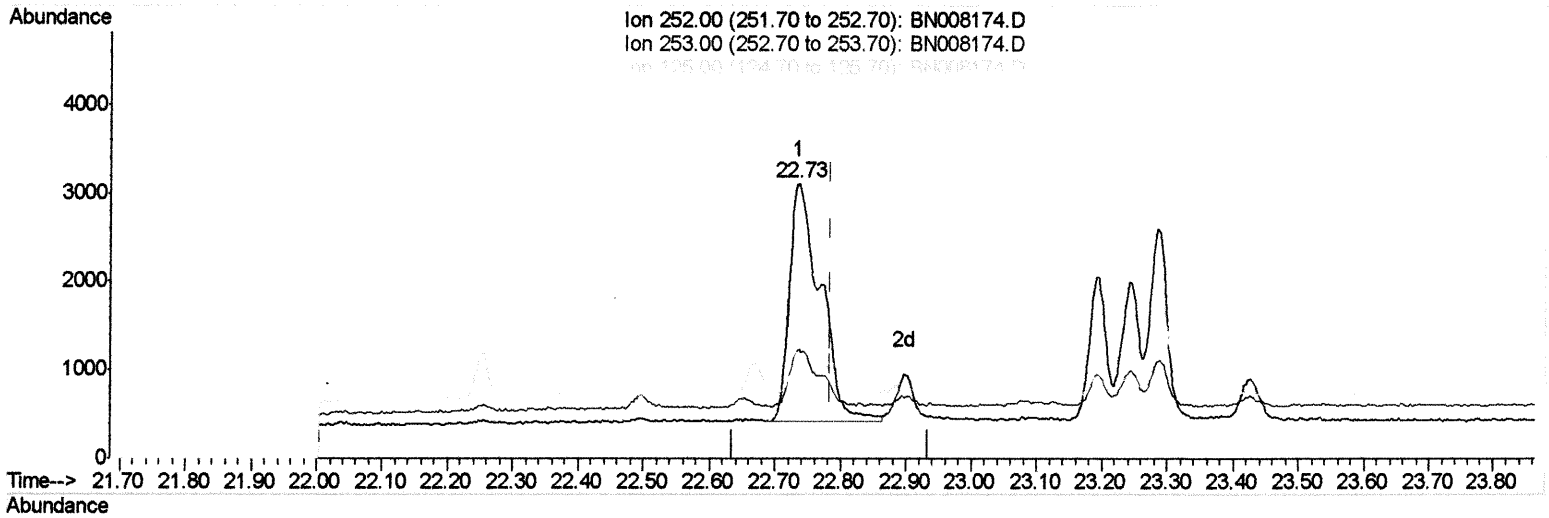
Quantitation Report (Qedit)

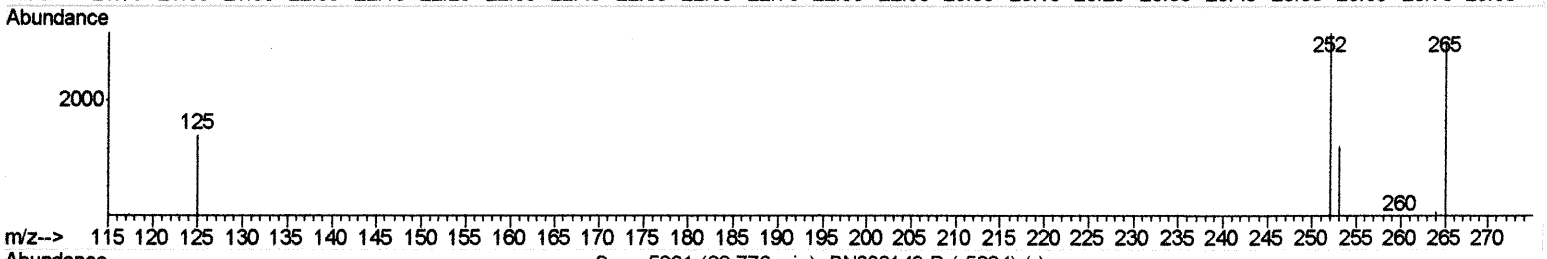
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101419\
Data File : BN008174.D
Acq On : 15 Oct 2019 15:39
Operator : JU
Sample : K5175-06
Misc :
ALS Vial : 42 Sample Multiplier: 1

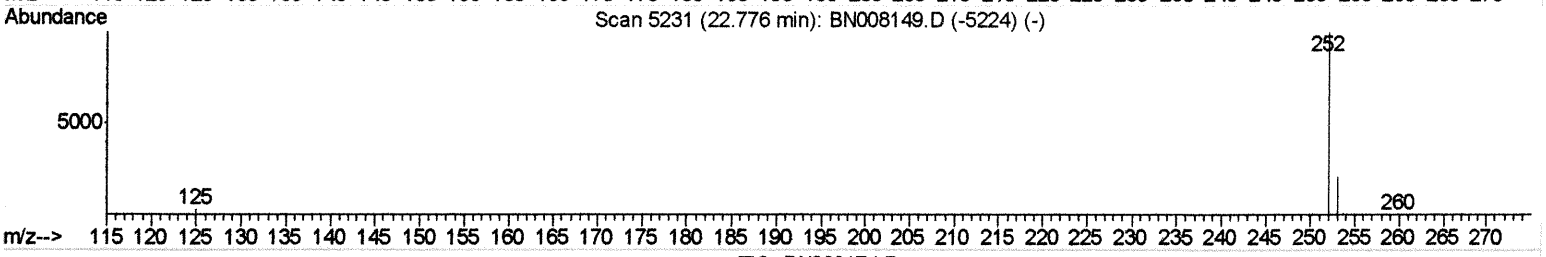
Quant Time: Oct 15 17:50:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
BEP86

**Manual Integrations APPROVED**
mohammad
10/16/2019 4:08:00 PM




TIC: BN008174.D

(22) Benzo(k)fluoranthene

22.735min (-0.050) 0.16ng/ul

response 8855

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 26.60 | 39.86# |
| 125.00 | 15.40 | 45.91# |
| 0.00 | 0.00 | 0.00 |

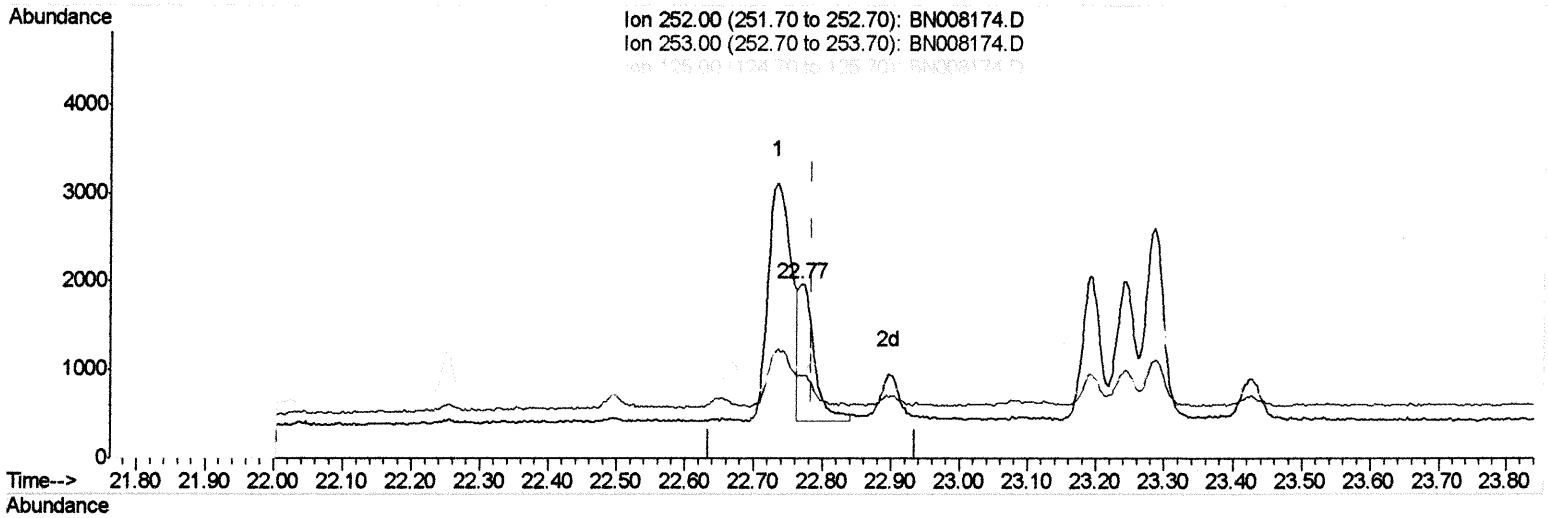
Quantitation Report (Qedit)

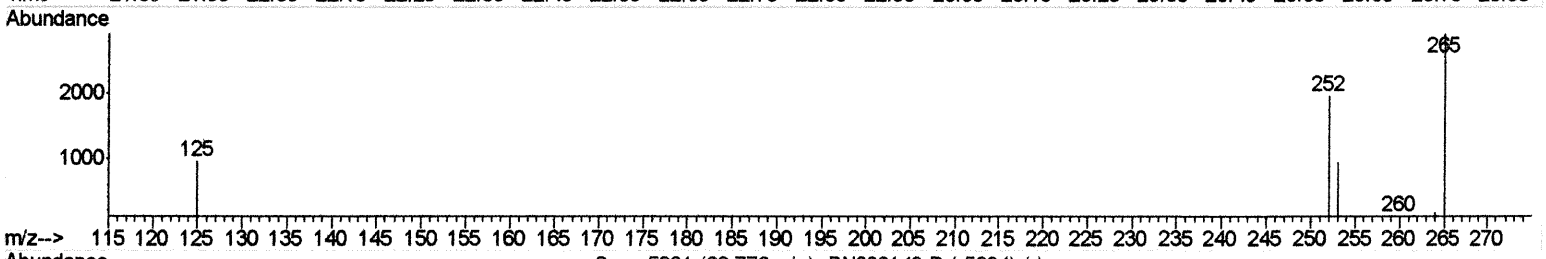
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101419\
Data File : BN008174.D
Acq On : 15 Oct 2019 15:39
Operator : JU
Sample : K5175-06
Misc :
ALS Vial : 42 Sample Multiplier: 1

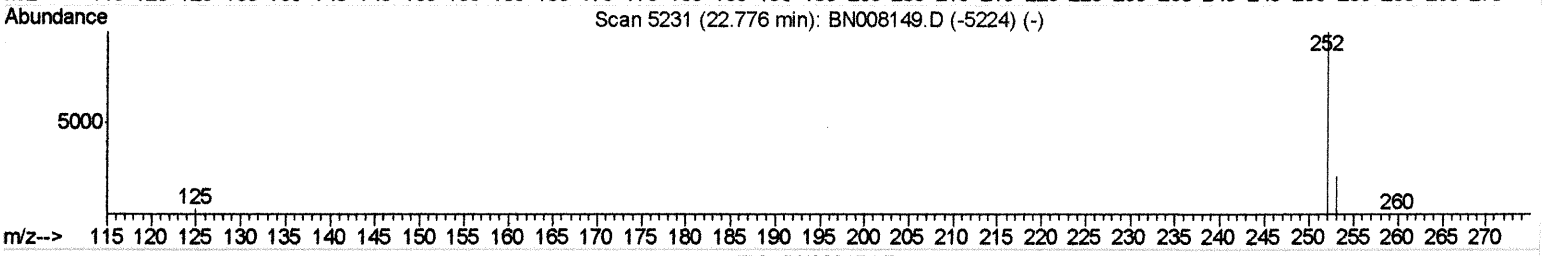
Quant Time: Oct 15 17:50:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
BEP86

**Manual Integrations APPROVED**
mohammad
10/16/2019 4:08:00 PM




TIC: BN008174.D

(22) Benzo(k)fluoranthene

22.767min (-0.018) 0.05ng/ul m JU 10/16/19

response 2567

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 26.60 | 47.79# |
| 125.00 | 15.40 | 48.55# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101419\
Data File : BN008174.D
Acq On : 15 Oct 2019 15:39
Operator : JU
Sample : K5175-06
Misc :
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Oct 15 17:51:33 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration

**Instrument :** BNA_N
**ClientSampleId :** BEP86

**Manual Integrations APPROVED**
mohammad
10/16/2019 4:08:00 PM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) | |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.62 | 152 | 1936 | 0.40 | ng/ul | 0.00 | |
| 2) Naphthalene-d8 | 10.38 | 136 | 9795 | 0.40 | ng/ul | 0.00 | |
| 6) Acenaphthene-d10 | 14.25 | 164 | 6277 | 0.40 | ng/ul | 0.00 | |
| 10) Phenanthrene-d10 | 17.00 | 188 | 14455m | 0.40 | ng/ul | 0.00 | JU 10/16/19 |
| 16) Chrysene-d12 | 21.20 | 240 | 14022m | 0.40 | ng/ul | 0.00 | |
| 20) Perylene-d12 | 23.38 | 264 | 14756 | 0.40 | ng/ul | -0.02 | |
| **System Monitoring Compounds** | | | | | | | |
| 4) 2-Methylnaphthalene-d10 | 11.98 | 152 | 3316 | 0.20 | ng/ul | 0.00 | JU 10/16/19 |
| 14) Fluoranthene-d10 | 19.03 | 212 | 11478m | 0.23 | ng/ul | 0.00 | |
| **Target Compounds** | | | | | | Qvalue | |
| 12) Phenanthrene | 17.04 | 178 | 3738 | 0.088 | ng/ul | 96 | |
| 15) Fluoranthene | 19.06 | 202 | 9838m | 0.176 | ng/ul | | JU 10/16/19 |
| 17) Pyrene | 19.42 | 202 | 8216m | 0.147 | ng/ul | | |
| 18) Benzo(a)anthracene | 21.18 | 228 | 5009 | 0.098 | ng/ul | 93 | |
| 19) Chrysene | 21.24 | 228 | 5054 | 0.081 | ng/ul | 95 | |
| 21) Benzo(b)fluoranthene | 22.73 | 252 | 6353m | 0.132 | ng/ul | | JU 10/16/19 |
| 22) Benzo(k)fluoranthene | 22.77 | 252 | 2567m | 0.047 | ng/ul | | |
| 23) Benzo(a)pyrene | 23.28 | 252 | 3788 | 0.075 | ng/ul# | 52 | |
| 24) Indeno(1,2,3-cd)pyrene | 25.55 | 276 | 2352 | 0.040 | ng/ul# | 92 | |
| 26) Benzo(g,h,i)perylene | 26.21 | 276 | 1878 | 0.034 | ng/ul# | 67 | |

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