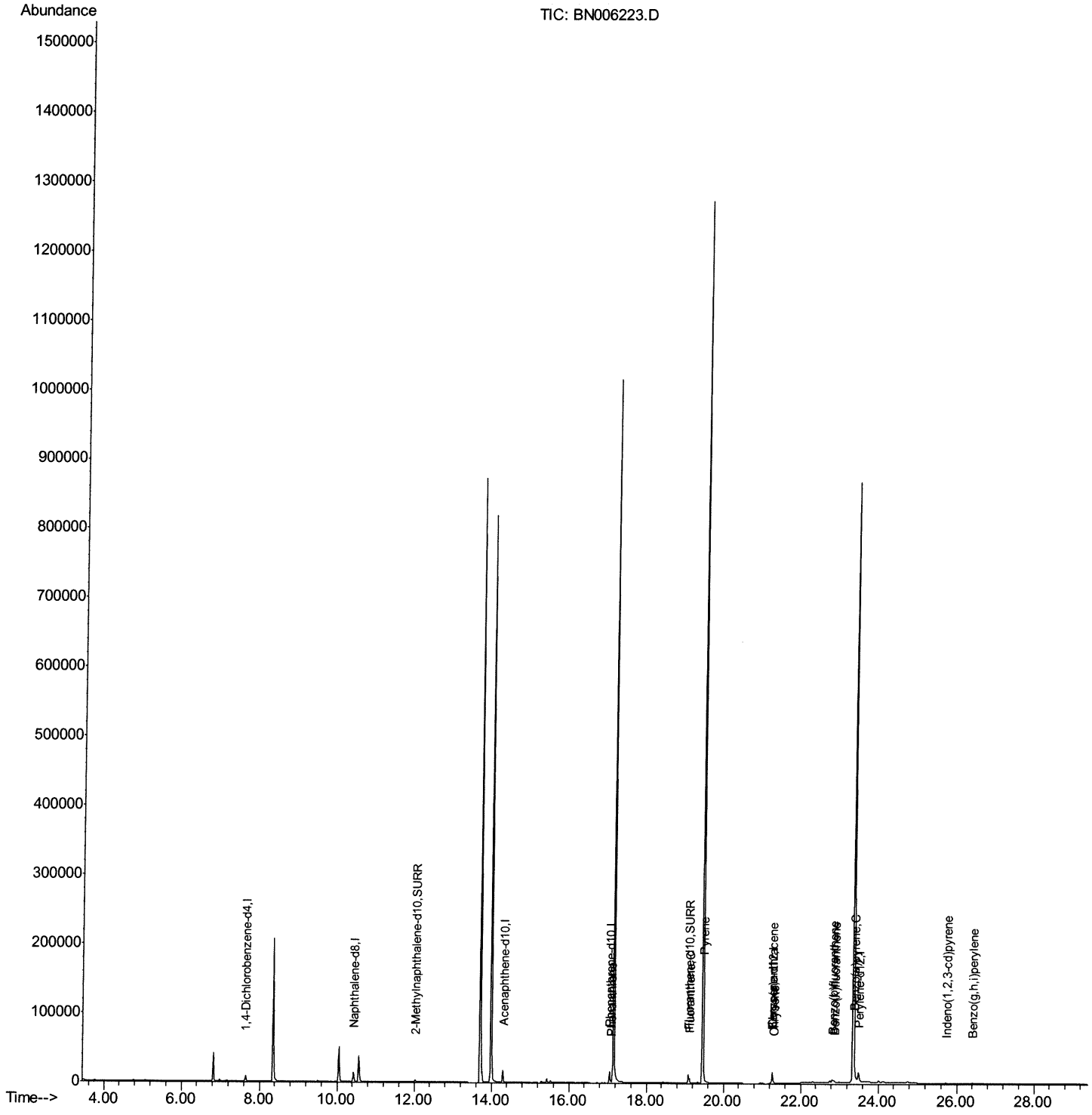
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
Data File : BN006223.D
Acq On : 10 Jun 2019 15:24
Operator : JU/SJ
Sample : K3016-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 11 01:02:12 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
A51C8

**Manual Integrations APPROVED**
mohammad
6/11/2019 4:28:03 PM



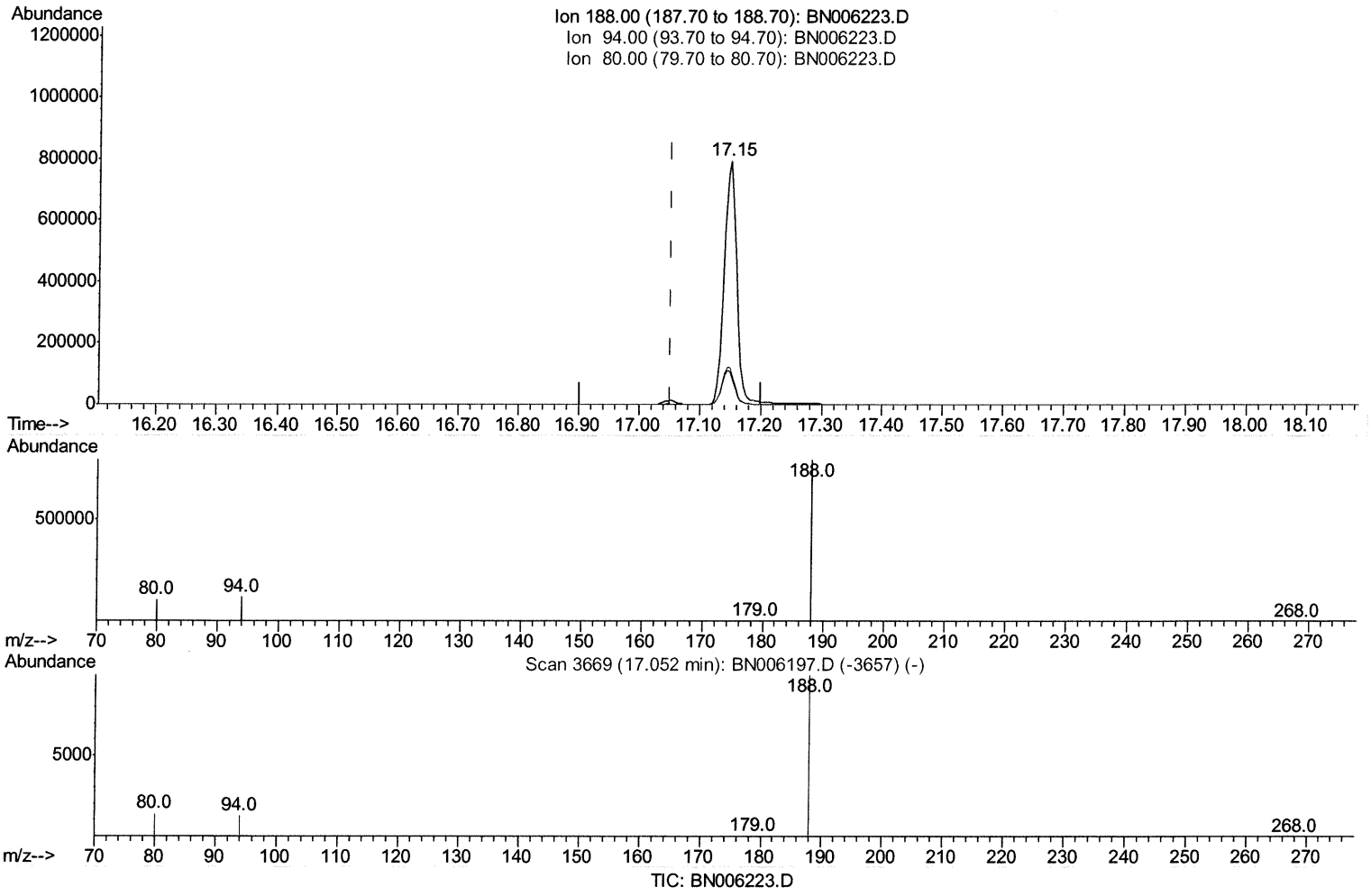
# Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
Data File : BN006223.D
Acq On : 10 Jun 2019 15:24
Operator : JU/SJ
Sample : K3016-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 11 00:18:39 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
A51C8

**Manual Integrations APPROVED**
mohammad
6/11/2019 4:28:03 PM




TIC: BN006223.D

(10) Phenanthrene-d10 (I)

17.149min (+0.097) 0.40ng/ul

response 1106881

| Ion | Exp% | Act% |
|---|---|---|
| 188.00 | 100 | 100 |
| 94.00 | 13.00 | 14.84 |
| 80.00 | 13.60 | 13.33 |
| 0.00 | 0.00 | 0.00 |

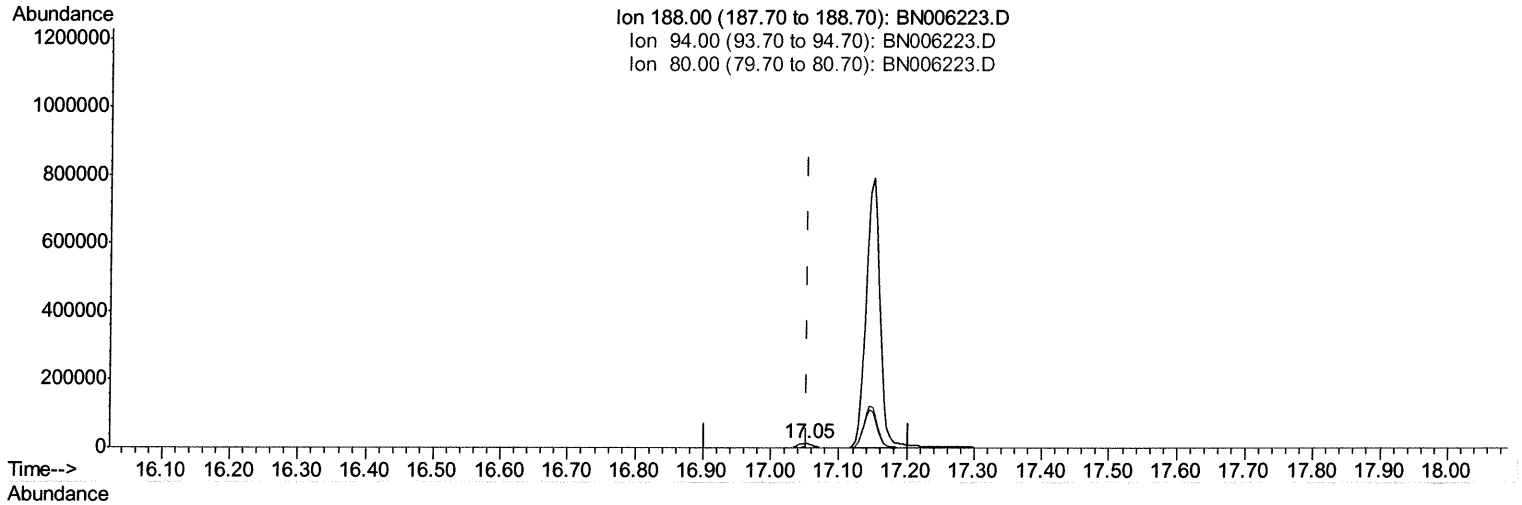
Quantitation Report (Qedit)

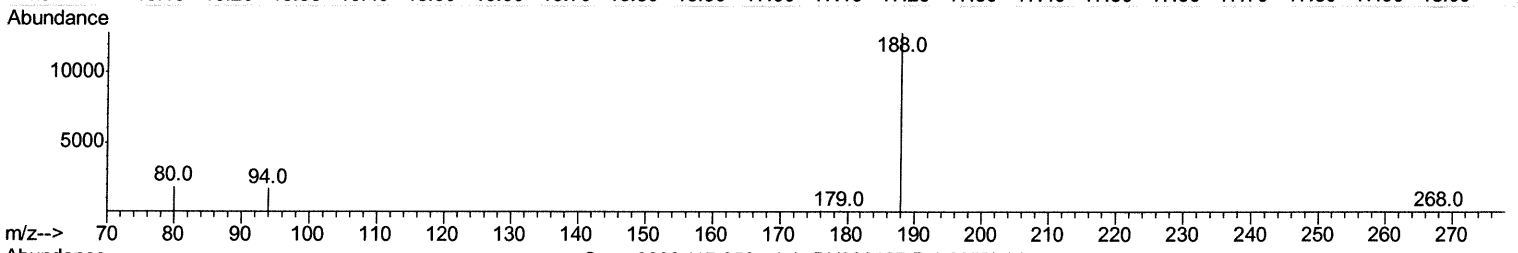
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
Data File : BN006223.D
Acq On : 10 Jun 2019 15:24
Operator : JU/SJ
Sample : K3016-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

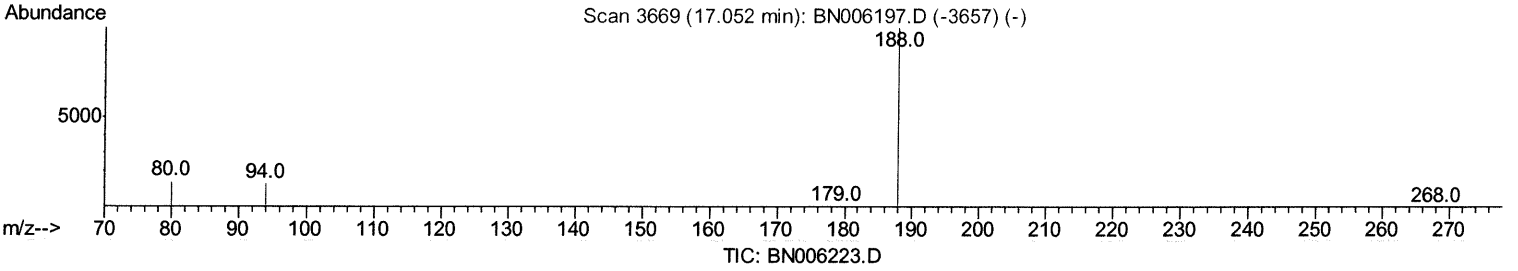
Quant Time: Jun 11 00:18:39 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
A51C8

**Manual Integrations APPROVED**
mohammad
6/11/2019 4:28:03 PM




TIC: BN006223.D

(10) Phenanthrene-d10 (I)

17.052min (+0.000) 0.40ng/ul m JU 06/11/19

response 19036

| Ion | Exp% | Act% |
|---|---|---|
| 188.00 | 100 | 100 |
| 94.00 | 13.00 | 13.09 |
| 80.00 | 13.60 | 14.25 |
| 0.00 | 0.00 | 0.00 |

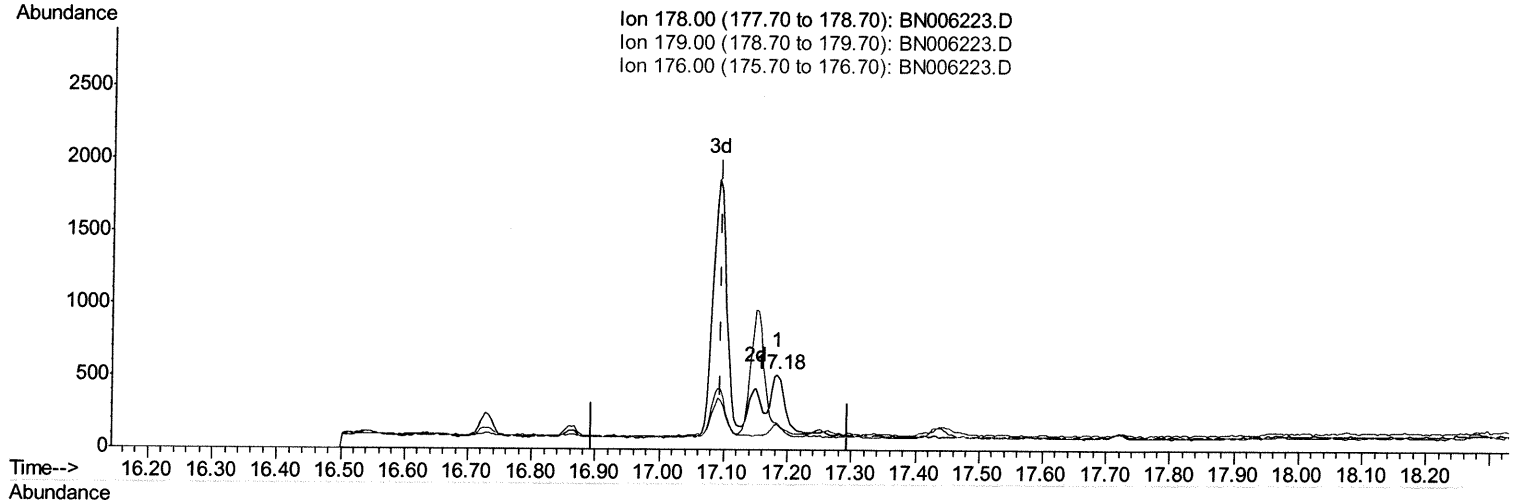
Quantitation Report (Qedit)

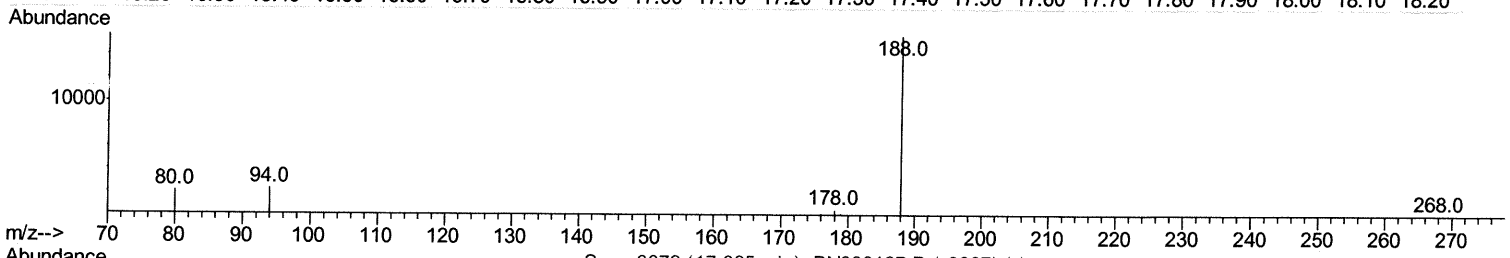
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
Data File : BN006223.D
Acq On : 10 Jun 2019 15:24
Operator : JU/SJ
Sample : K3016-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

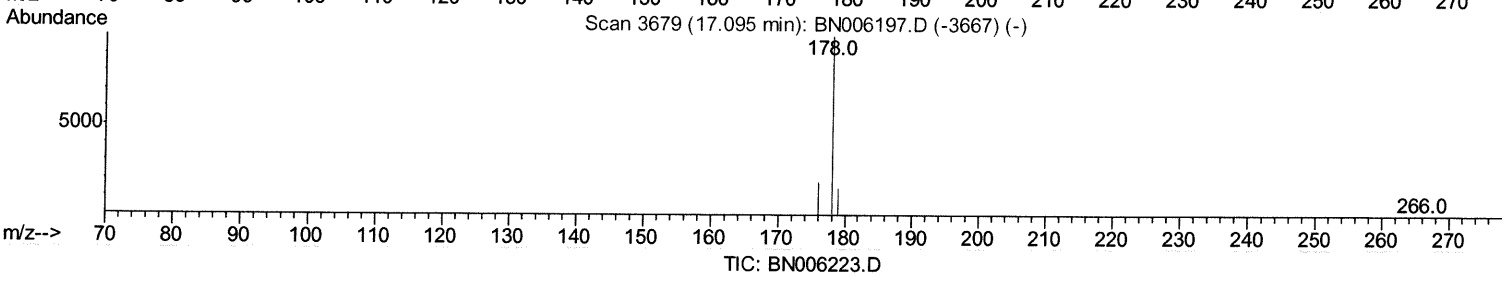
Quant Time: Jun 11 00:56:43 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
A51C8

**Manual Integrations APPROVED**
mohammad
6/11/2019 4:28:03 PM




TIC: BN006223.D

(12) Phenanthrene

17.183min (+0.089) 0.01ng/ul

response 787

| Ion | Exp% | Act% |
|---|---|---|
| 178.00 | 100 | 100 |
| 179.00 | 15.40 | 35.96# |
| 176.00 | 19.10 | 33.65# |
| 0.00 | 0.00 | 0.00 |

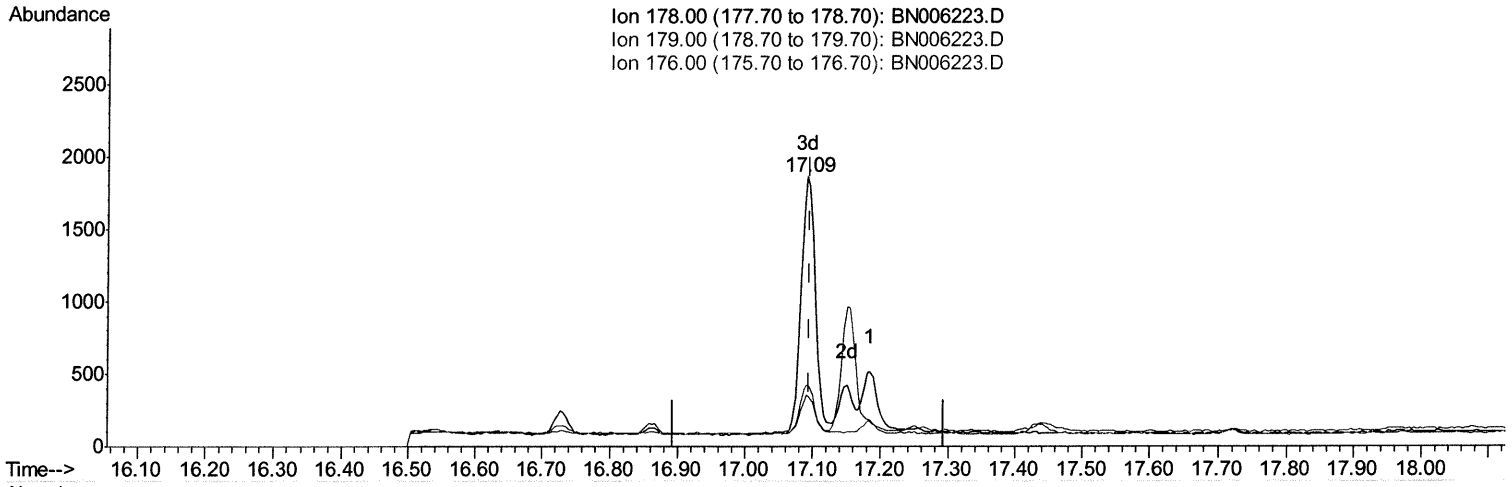
# Quantitation Report (Qedit)

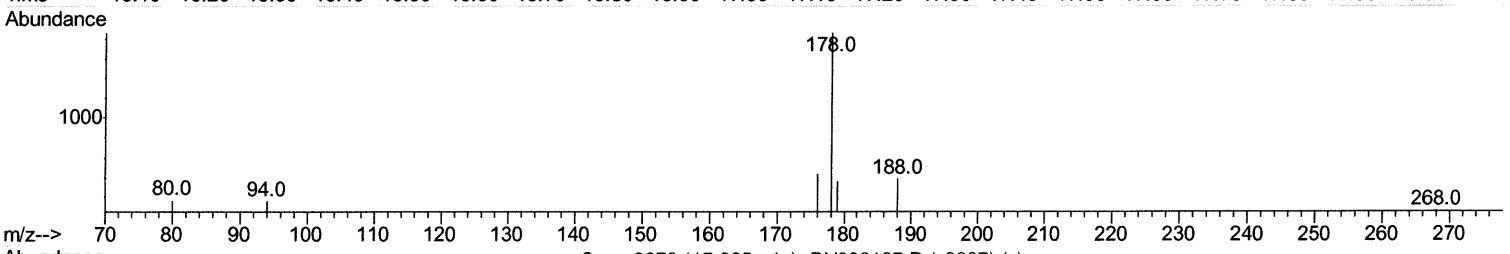
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
Data File : BN006223.D
Acq On : 10 Jun 2019 15:24
Operator : JU/SJ
Sample : K3016-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

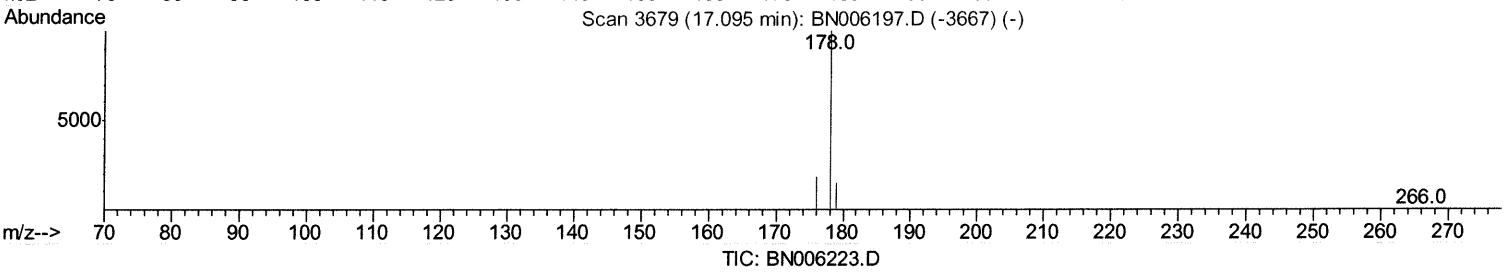
Quant Time: Jun 11 00:56:43 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
A51C8

**Manual Integrations APPROVED**
mohammad
6/11/2019 4:28:03 PM




TIC: BN006223.D

(12) Phenanthrene

17.090min (-0.004) 0.04ng/ul m JU 06/11/19

response 2616

| Ion | Exp% | Act% |
|---|---|---|
| 178.00 | 100 | 100 |
| 179.00 | 15.40 | 19.18# |
| 176.00 | 19.10 | 22.94# |
| 0.00 | 0.00 | 0.00 |

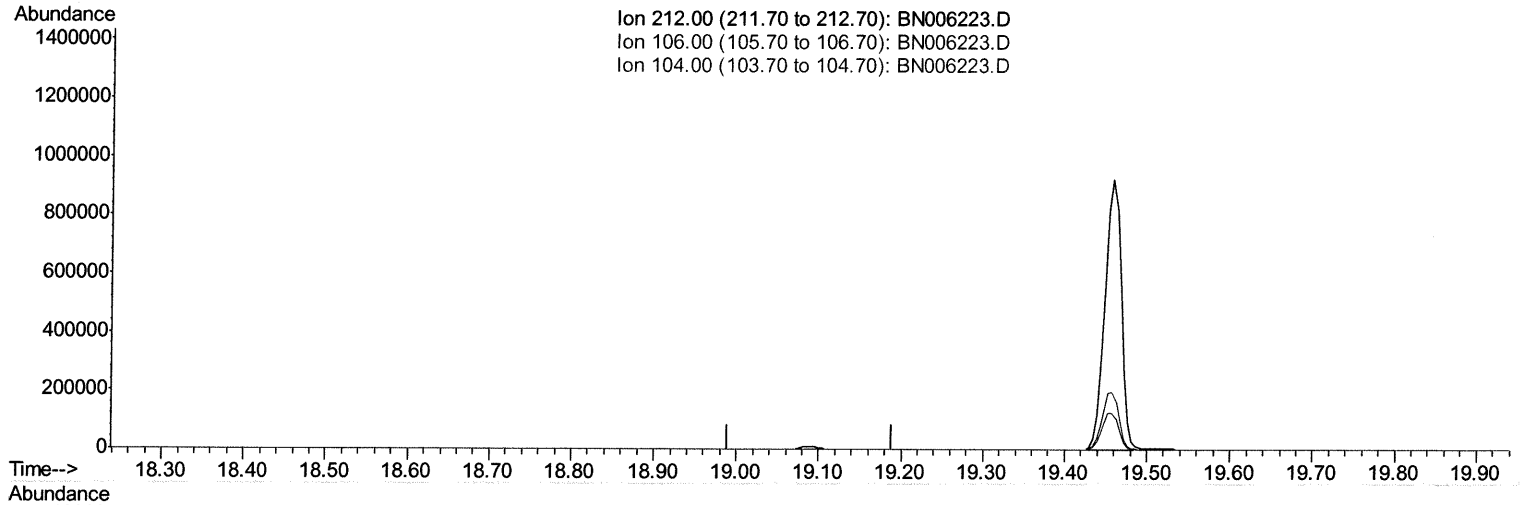
# Quantitation Report (Qedit)

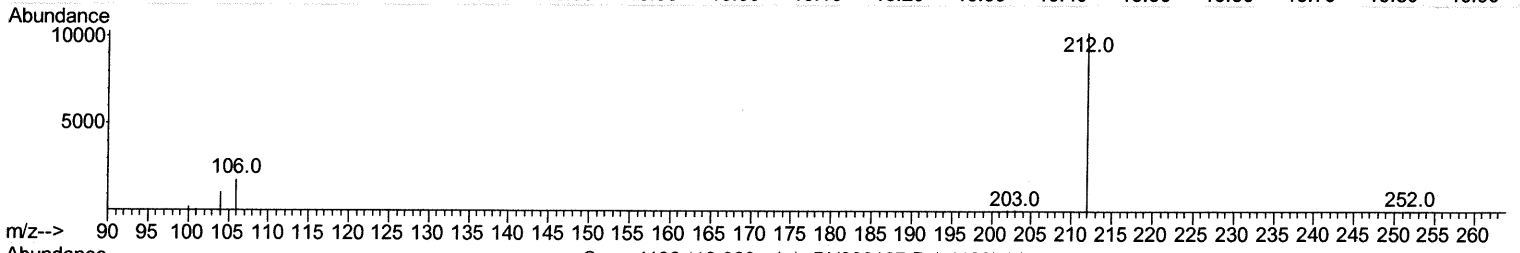
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
Data File : BN006223.D
Acq On : 10 Jun 2019 15:24
Operator : JU/SJ
Sample : K3016-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

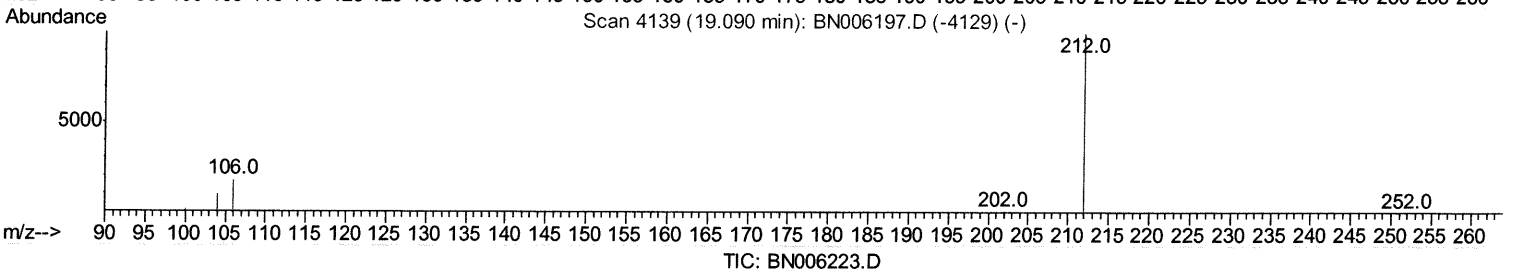
Quant Time: Jun 11 00:57:20 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
A51C8

**Manual Integrations APPROVED**
mohammad
6/11/2019 4:28:03 PM




TIC: BN006223.D

(14) Fluoranthene-d10 (SURR)

19.090min (-19.090) 0.00ng/ul

response 0

| Ion | Exp% | Act% |
|---|---|---|
| 212.00 | 100 | 0.00 |
| 106.00 | 18.10 | 0.00# |
| 104.00 | 9.90 | 0.00# |
| 0.00 | 0.00 | 0.00 |

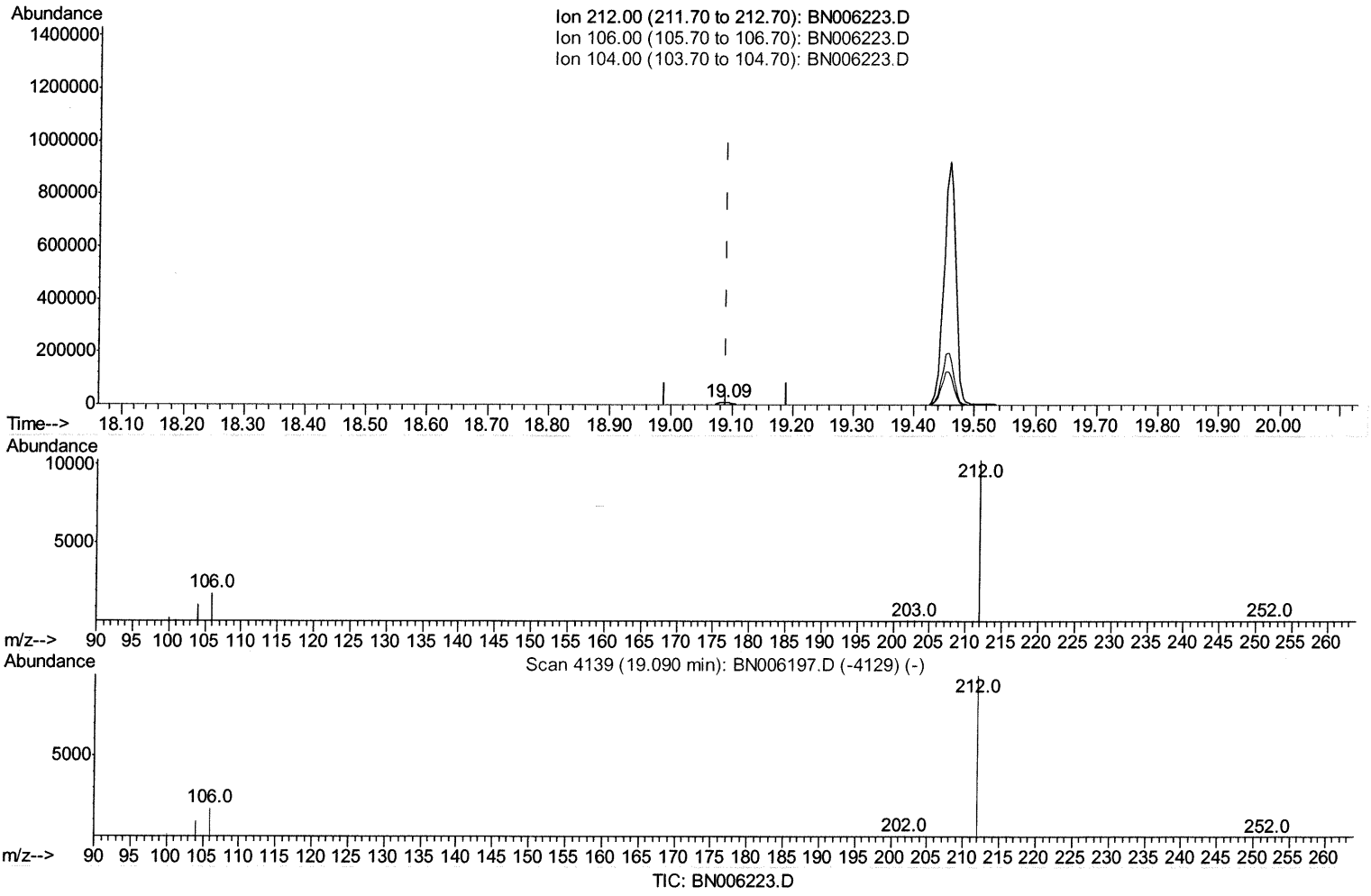
# Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
Data File : BN006223.D
Acq On : 10 Jun 2019 15:24
Operator : JU/SJ
Sample : K3016-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 11 00:57:20 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
A51C8

**Manual Integrations APPROVED**
mohammad
6/11/2019 4:28:03 PM



TIC: BN006223.D

(14) Fluoranthene-d10 (SURR) JU 06/11/19

19.090min (+0.000) 0.29ng/ul m

response 14667

| Ion | Exp% | Act% |
|---|---|---|
| 212.00 | 100 | 100 |
| 106.00 | 18.10 | 0.00# |
| 104.00 | 9.90 | 0.00# |
| 0.00 | 0.00 | 0.00 |

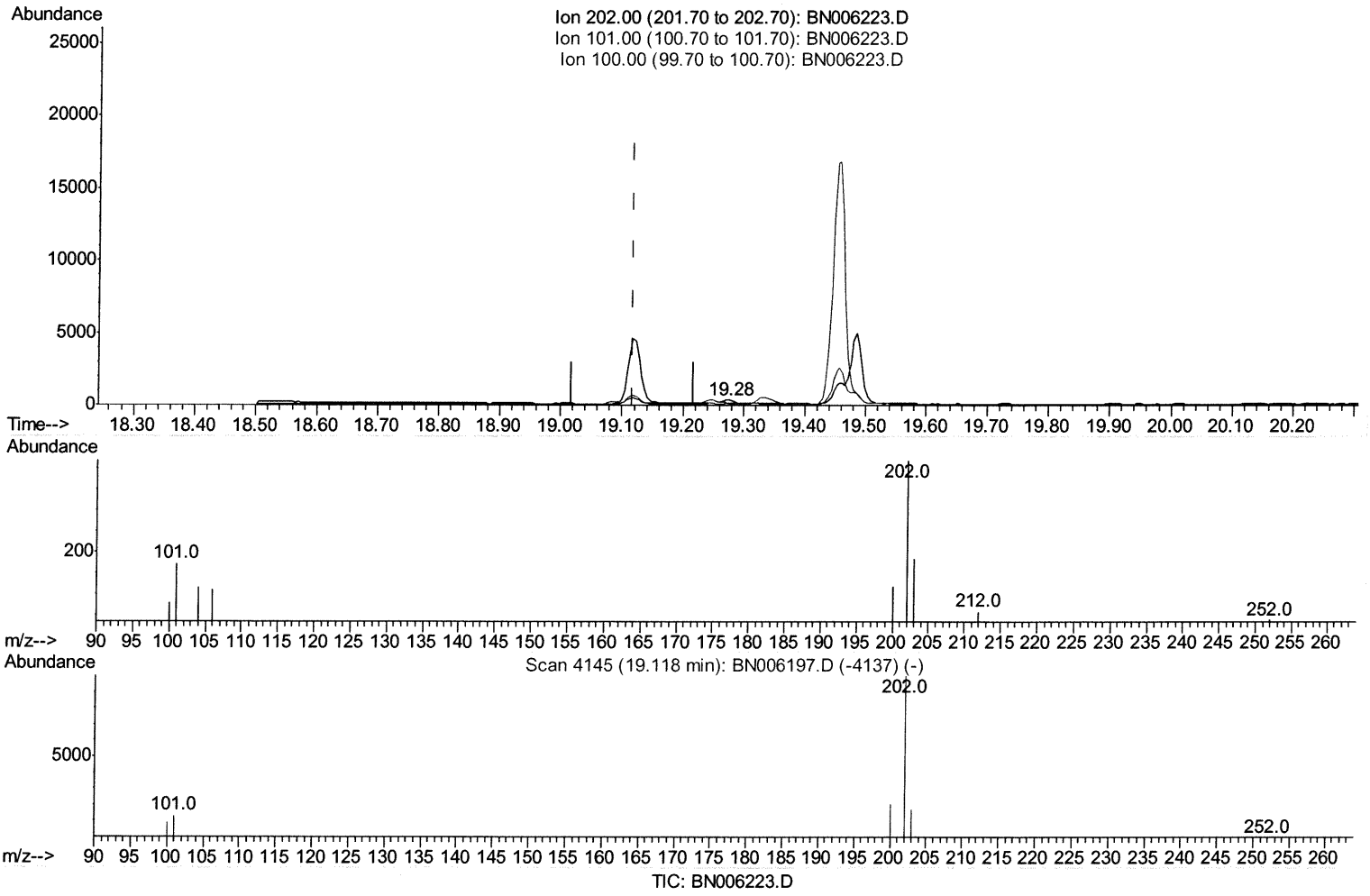
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
Data File : BN006223.D
Acq On : 10 Jun 2019 15:24
Operator : JU/SJ
Sample : K3016-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 11 00:57:20 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
A51C8

**Manual Integrations APPROVED**
mohammad
6/11/2019 4:28:03 PM




(15) Fluoranthene (C)

19.276min (+0.158) 0.01ng/ul

response 368

| Ion | Exp% | Act% |
|---|---|---|
| 202.00 | 100 | 100 |
| 101.00 | 12.10 | 47.33# |
| 100.00 | 8.70 | 27.54 |
| 0.00 | 0.00 | 0.00 |

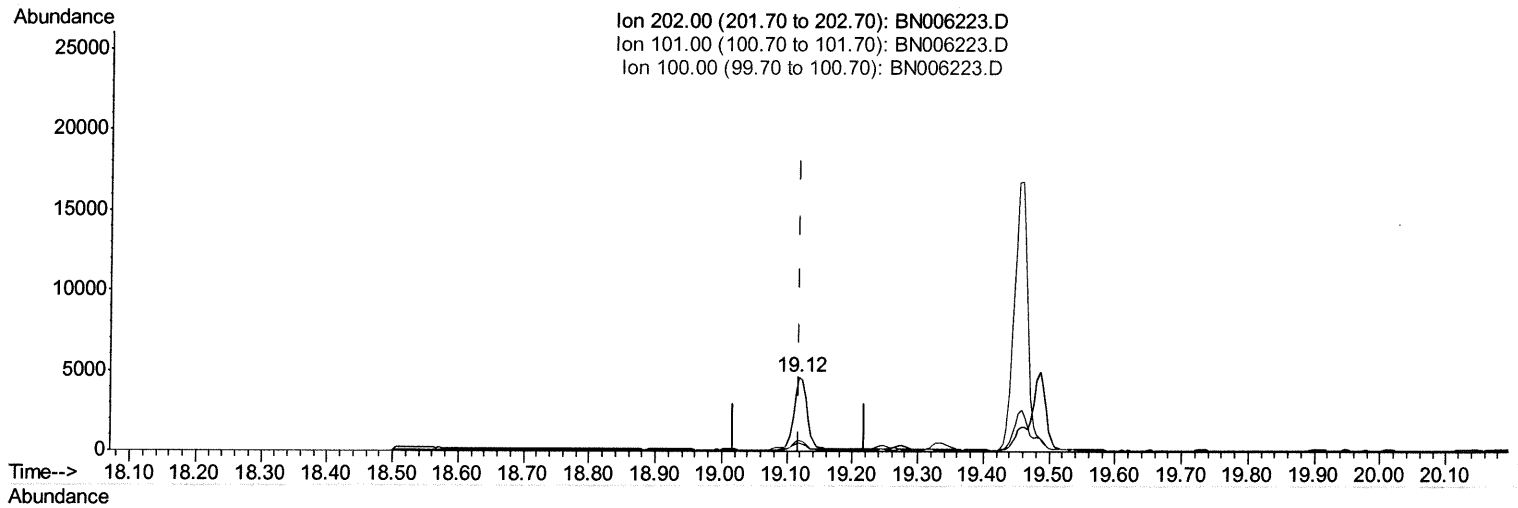
# Quantitation Report (Qedit)

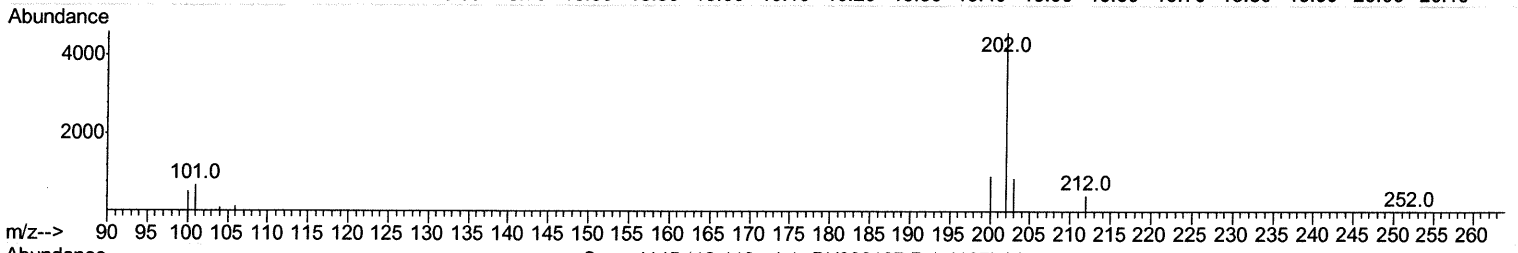
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
Data File : BN006223.D
Acq On : 10 Jun 2019 15:24
Operator : JU/SJ
Sample : K3016-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 11 00:57:20 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

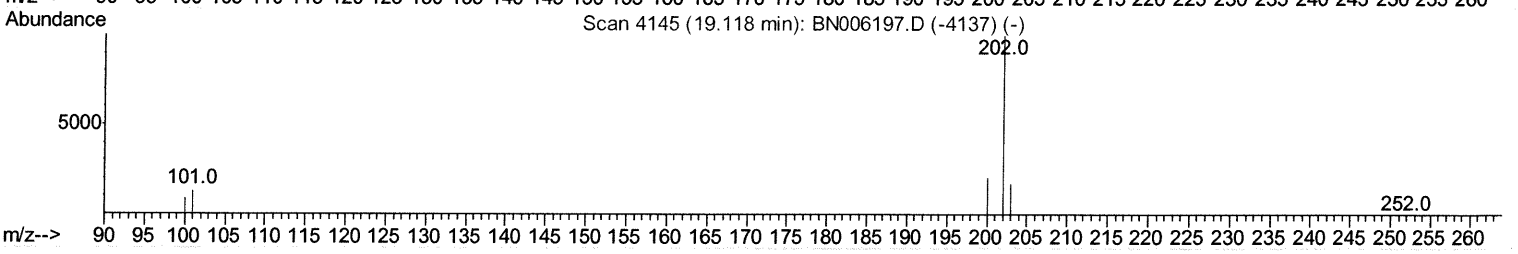
**Instrument :**
BNA_N
**ClientSampleId :**
A51C8

**Manual Integrations APPROVED**
mohammad
6/11/2019 4:28:03 PM




Scan 4145 (19.118 min): BN006197.D (-4137) (-)




TIC: BN006223.D

(15) Fluoranthene (C)

19.118min (+0.000) 0.10ng/ul m JU 06/11/19

response 6466

| Ion | Exp% | Act% |
|---|---|---|
| 202.00 | 100 | 100 |
| 101.00 | 12.10 | 15.68 |
| 100.00 | 8.70 | 12.36 |
| 0.00 | 0.00 | 0.00 |

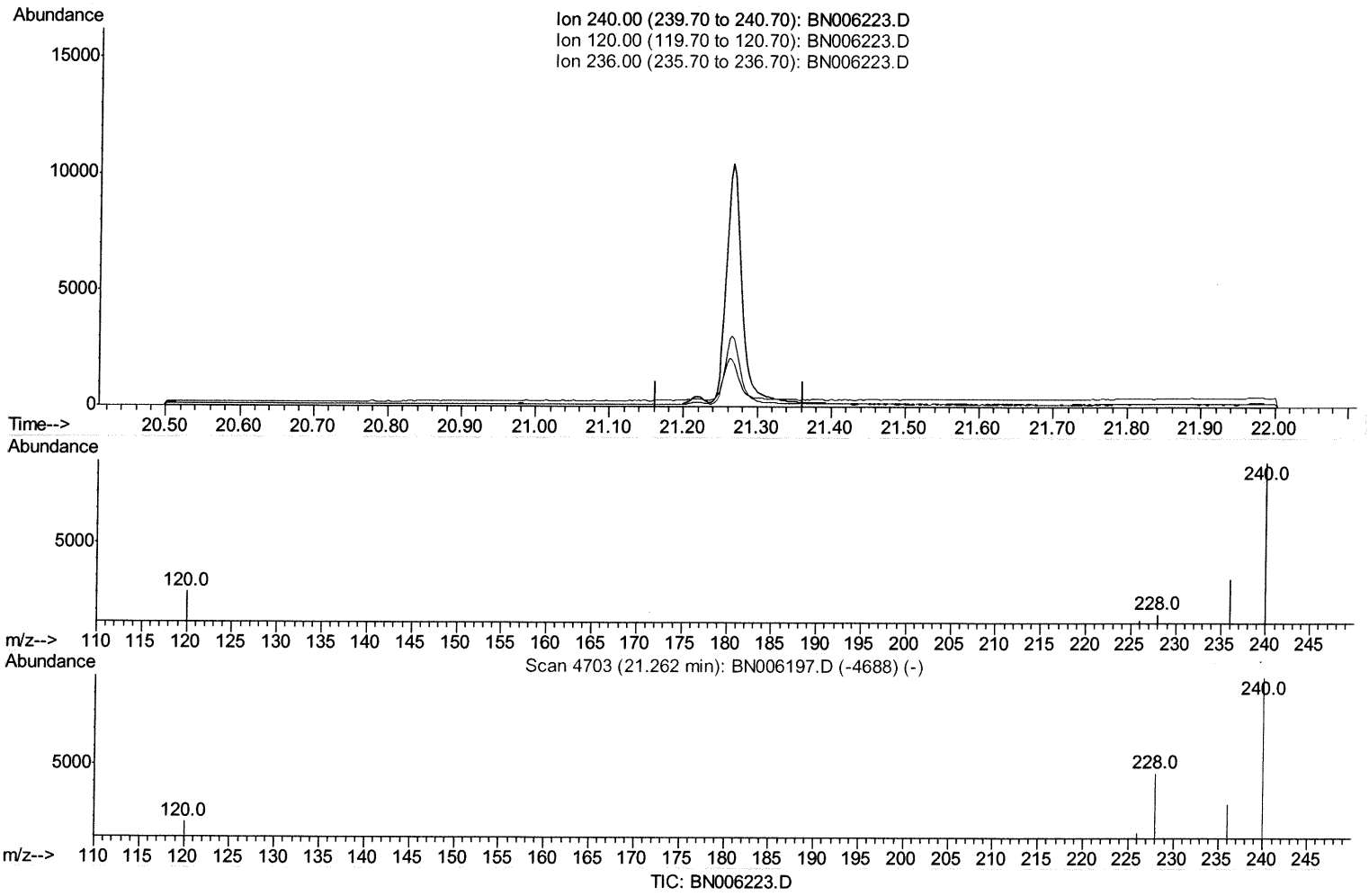
# Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
Data File : BN006223.D
Acq On : 10 Jun 2019 15:24
Operator : JU/SJ
Sample : K3016-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 11 00:57:20 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
A51C8

**Manual Integrations APPROVED**
mohammad
6/11/2019 4:28:03 PM




(16) Chrysene-d12 (I)

21.262min (-21.262) 0.00ng/ul

response 0

| Ion | Exp% | Act% |
|---|---|---|
| 240.00 | 100 | 0.00 |
| 120.00 | 20.10 | 0.00# |
| 236.00 | 30.10 | 0.00# |
| 0.00 | 0.00 | 0.00 |

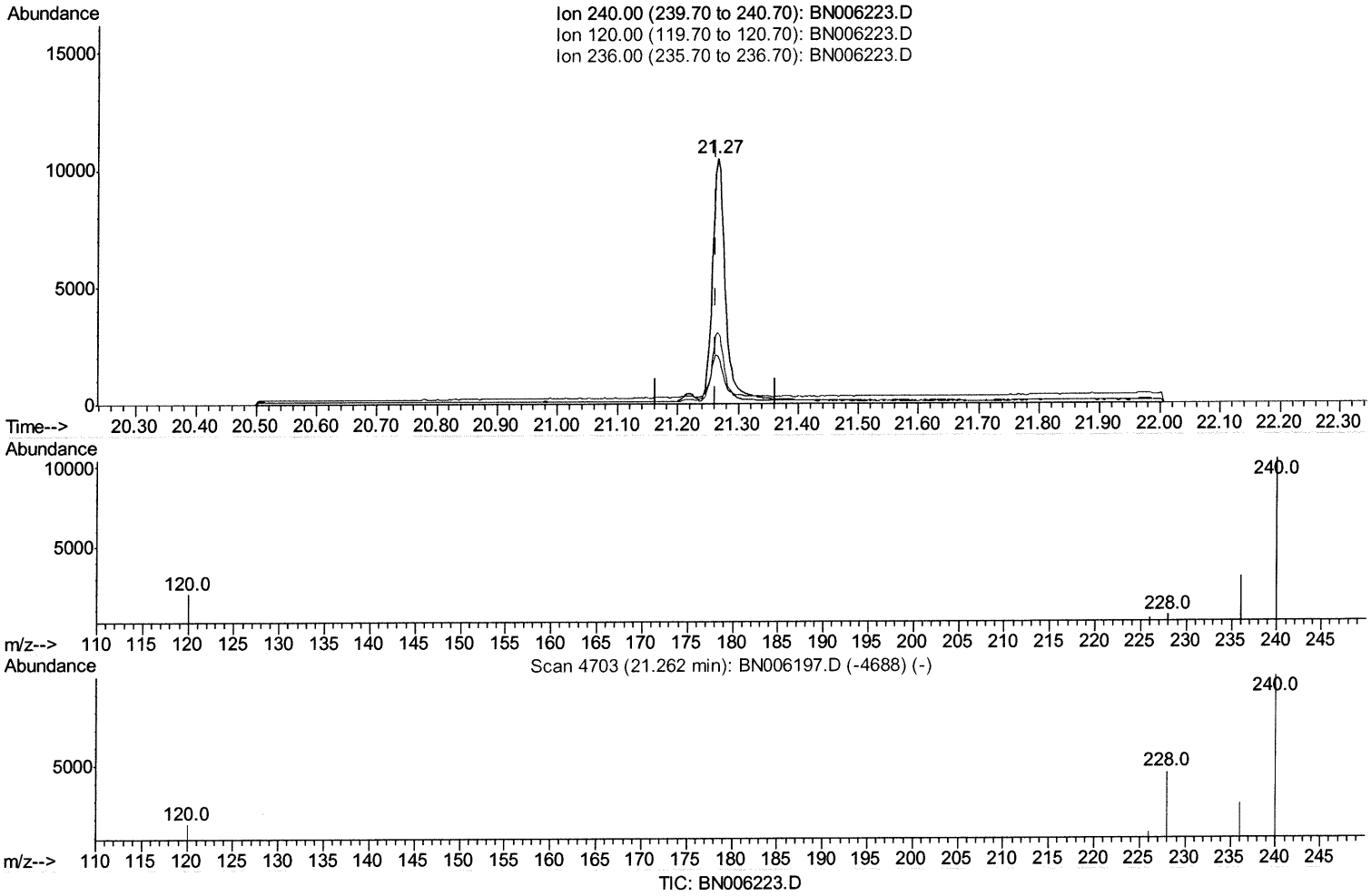
# Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
Data File : BN006223.D
Acq On : 10 Jun 2019 15:24
Operator : JU/SJ
Sample : K3016-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 11 00:57:20 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
A51C8

**Manual Integrations APPROVED**
mohammad
6/11/2019 4:28:03 PM



TIC: BN006223.D

(16) Chrysene-d12 (I)

21.265min (+0.003) 0.40ng/ul m JU 06/11/19

response 14911

| Ion | Exp% | Act% |
|---|---|---|
| 240.00 | 100 | 100 |
| 120.00 | 20.10 | 19.72 |
| 236.00 | 30.10 | 29.19 |
| 0.00 | 0.00 | 0.00 |

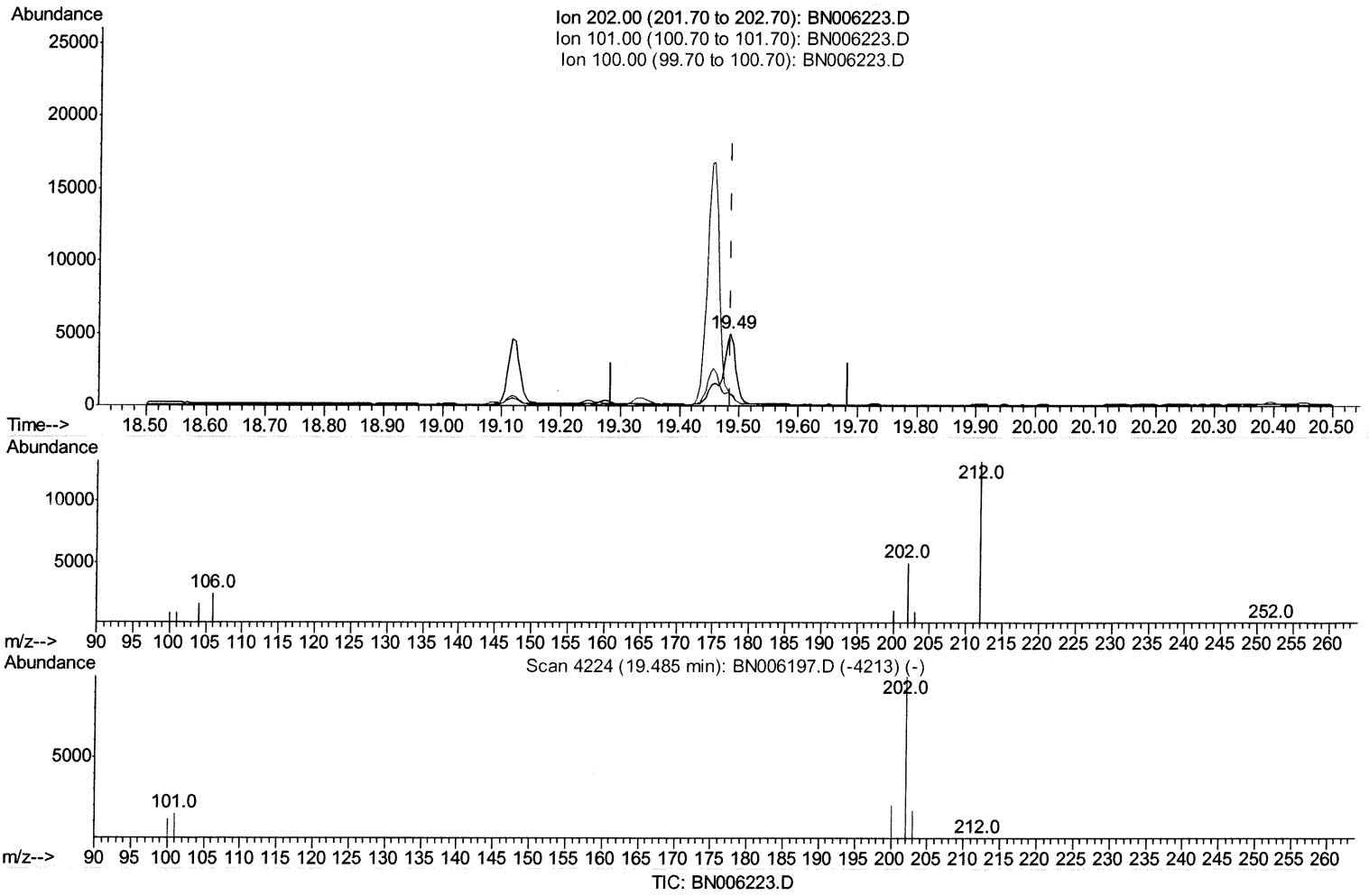
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
Data File : BN006223.D
Acq On : 10 Jun 2019 15:24
Operator : JU/SJ
Sample : K3016-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 11 00:58:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
A51C8

**Manual Integrations APPROVED**
mohammad
6/11/2019 4:28:03 PM




TIC: BN006223.D

(17) Pyrene

19.485min (+0.000) 0.10ng/ul

response 8195

| Ion | Exp% | Act% |
|---|---|---|
| 202.00 | 100 | 100 |
| 101.00 | 15.20 | 17.47 |
| 100.00 | 12.20 | 16.93# |
| 0.00 | 0.00 | 0.00 |

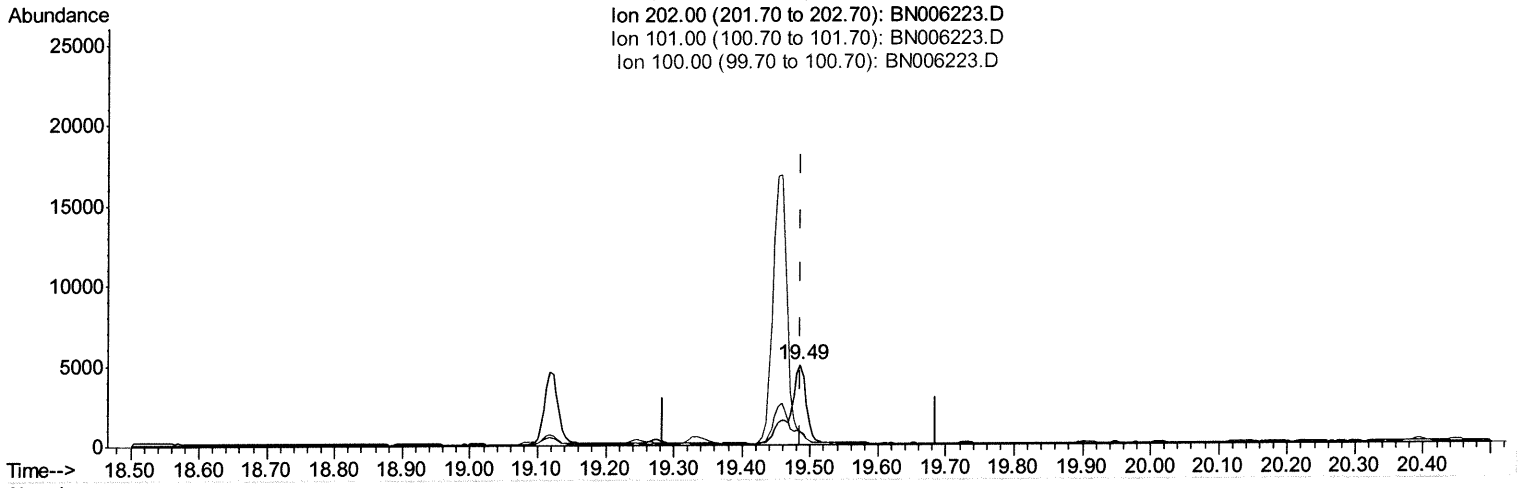
# Quantitation Report (Qedit)

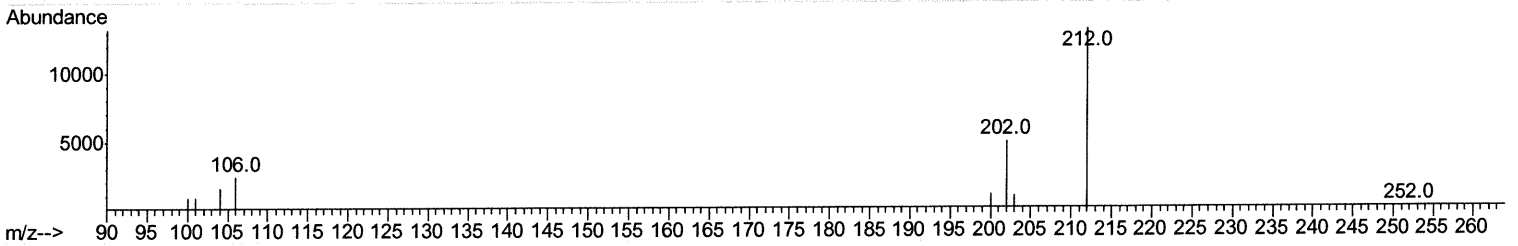
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
Data File : BN006223.D
Acq On : 10 Jun 2019 15:24
Operator : JU/SJ
Sample : K3016-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

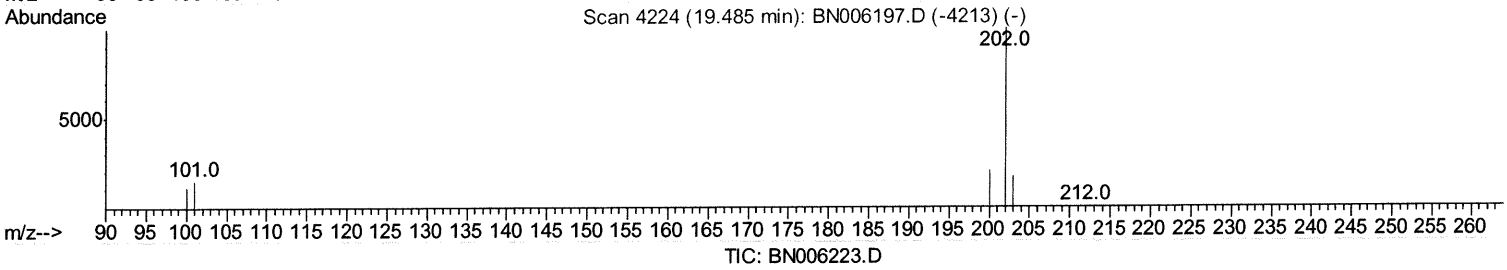
Quant Time: Jun 11 00:58:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
A51C8

**Manual Integrations APPROVED**
mohammad
6/11/2019 4:28:03 PM




TIC: BN006223.D

(17) Pyrene

19.485min (+0.000) 0.08ng/ul m JU 06/11/19

response 6284

| Ion | Exp% | Act% |
|---|---|---|
| 202.00 | 100 | 100 |
| 101.00 | 15.20 | 17.47 |
| 100.00 | 12.20 | 16.93# |
| 0.00 | 0.00 | 0.00 |

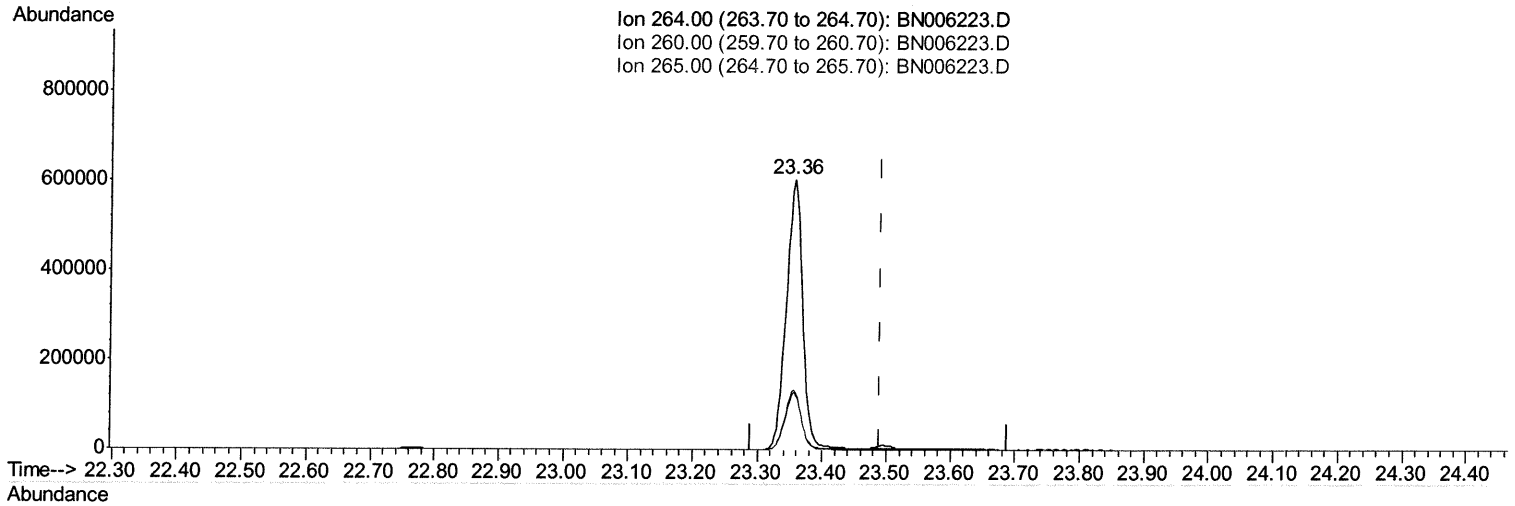
Quantitation Report (Qedit)

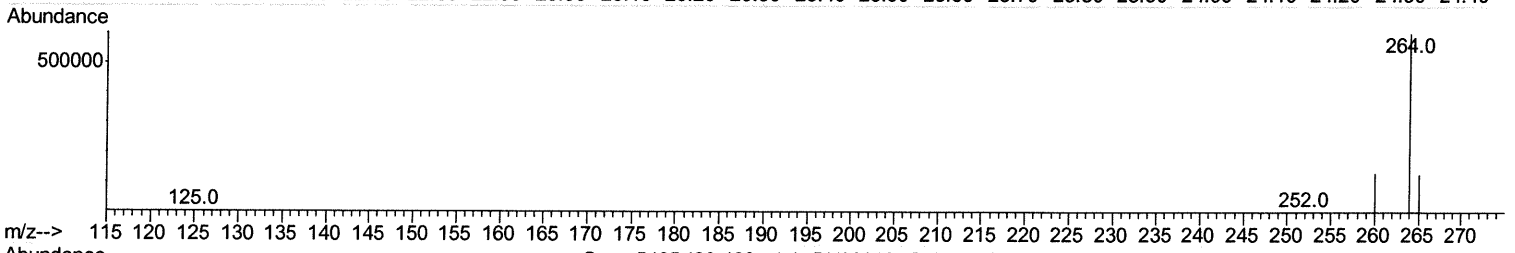
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
Data File : BN006223.D
Acq On : 10 Jun 2019 15:24
Operator : JU/SJ
Sample : K3016-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

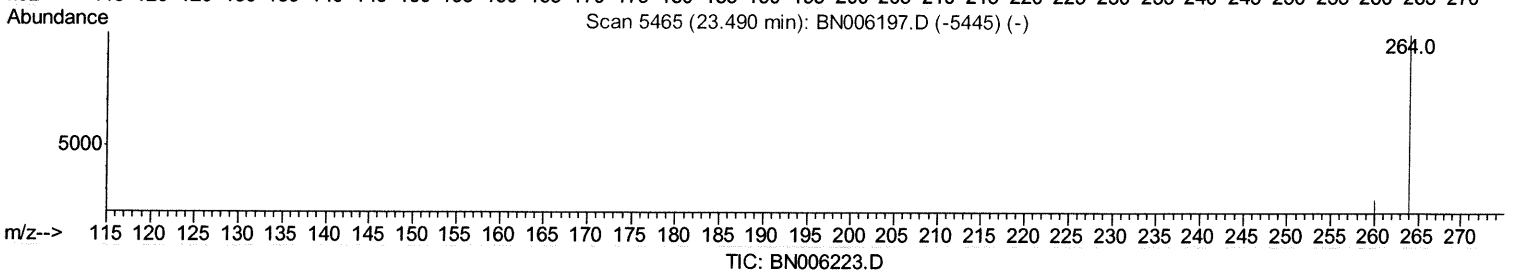
Quant Time: Jun 11 00:58:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
A51C8

**Manual Integrations APPROVED**
mohammad
6/11/2019 4:28:03 PM




(20) Perylene-d12 (I)

23.355min (-0.134) 0.40ng/ul

response 1075105

| Ion | Exp% | Act% |
|---|---|---|
| 264.00 | 100 | 100 |
| 260.00 | 29.20 | 22.26# |
| 265.00 | 44.70 | 21.36# |
| 0.00 | 0.00 | 0.00 |

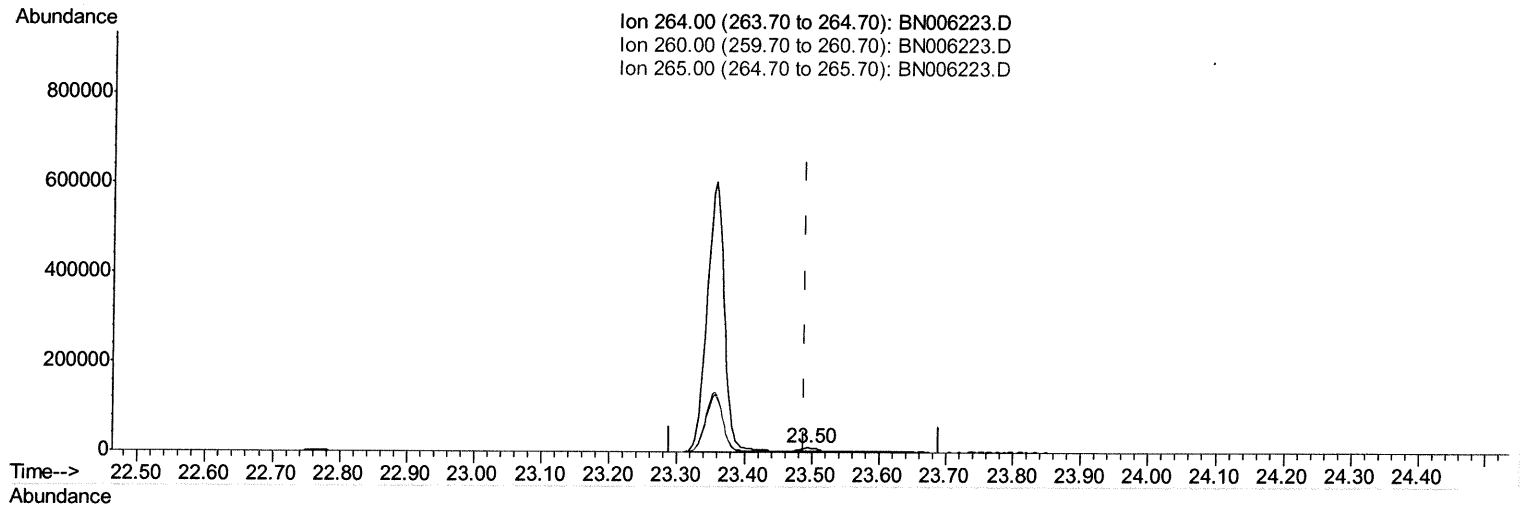
Quantitation Report (Qedit)

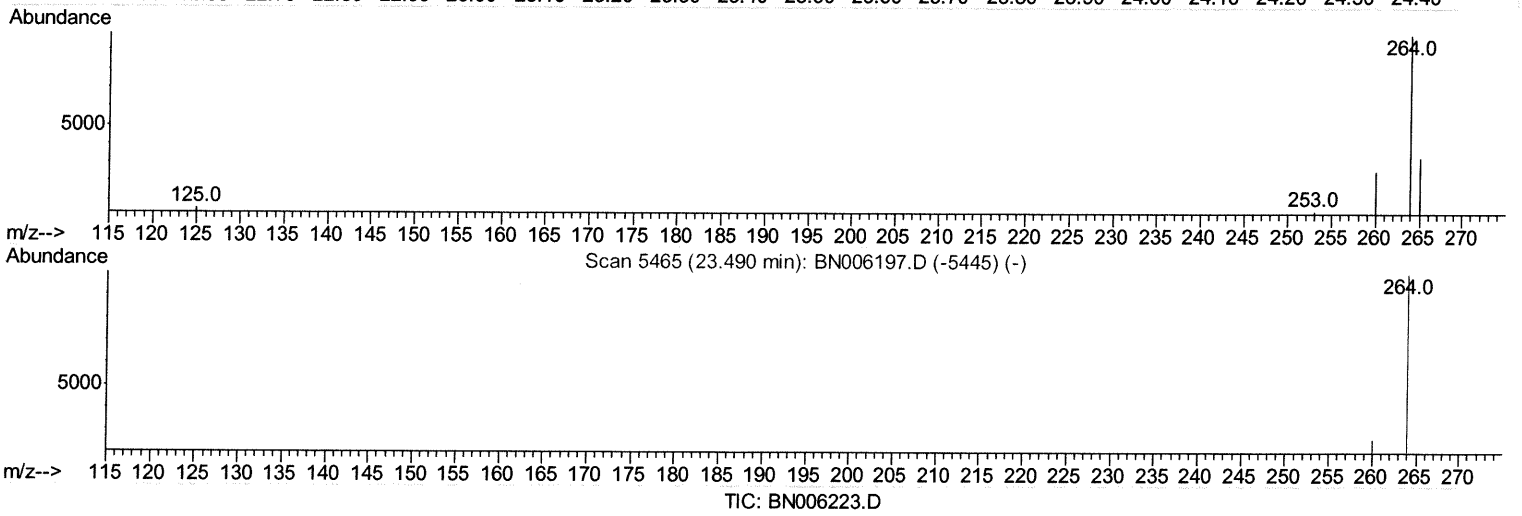
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
Data File : BN006223.D
Acq On : 10 Jun 2019 15:24
Operator : JU/SJ
Sample : K3016-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 11 00:58:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
A51C8

**Manual Integrations APPROVED**
mohammad
6/11/2019 4:28:03 PM







(20) Perylene-d12 (I)

23.495min (+0.006) 0.40ng/ul m JU 06/11/19

response 13724

| Ion | Exp% | Act% |
|---|---|---|
| 264.00 | 100 | 100 |
| 260.00 | 29.20 | 26.25 |
| 265.00 | 44.70 | 33.81# |
| 0.00 | 0.00 | 0.00 |

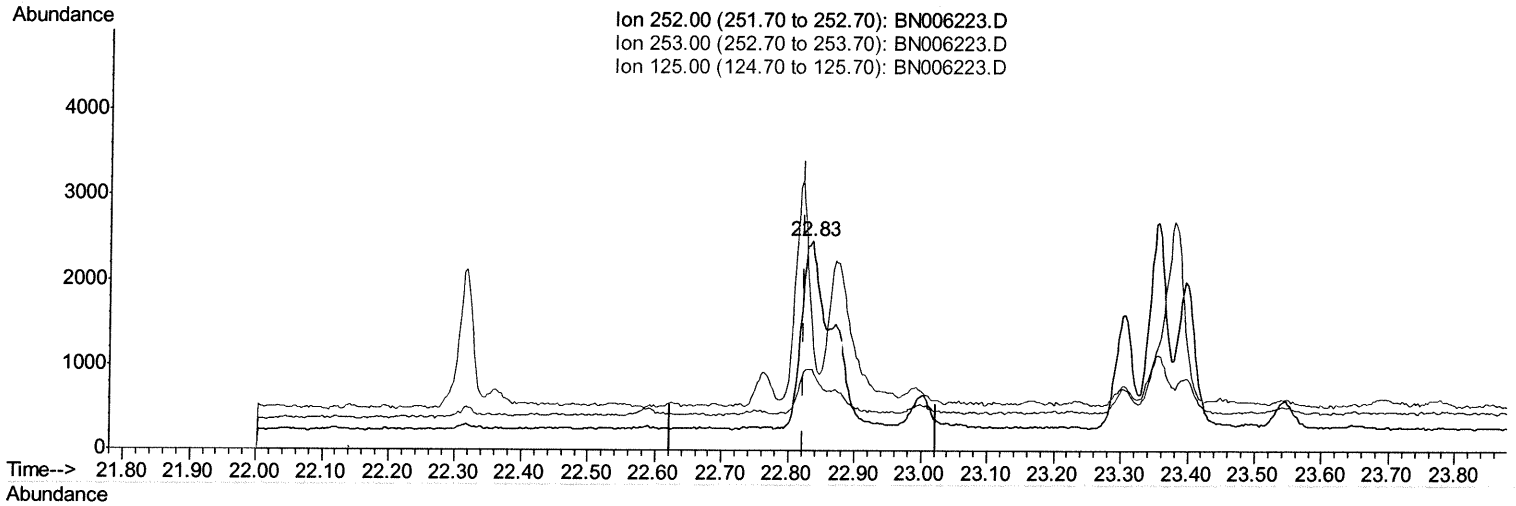
# Quantitation Report (Qedit)

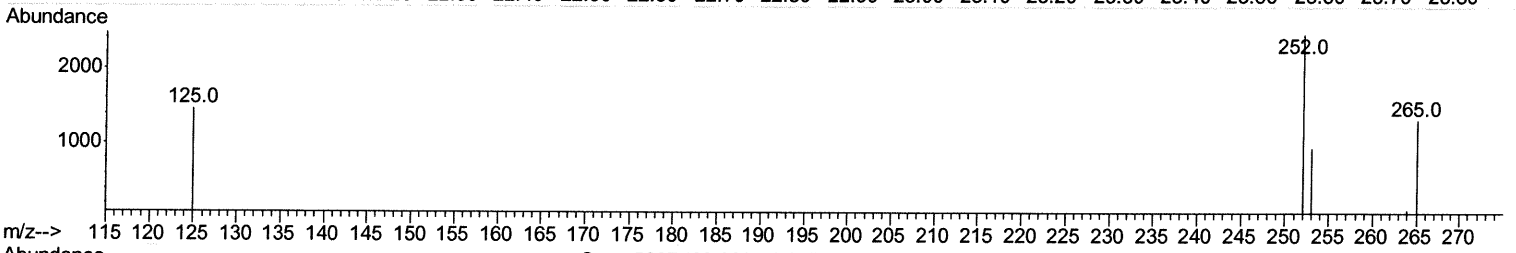
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
Data File : BN006223.D
Acq On : 10 Jun 2019 15:24
Operator : JU/SJ
Sample : K3016-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

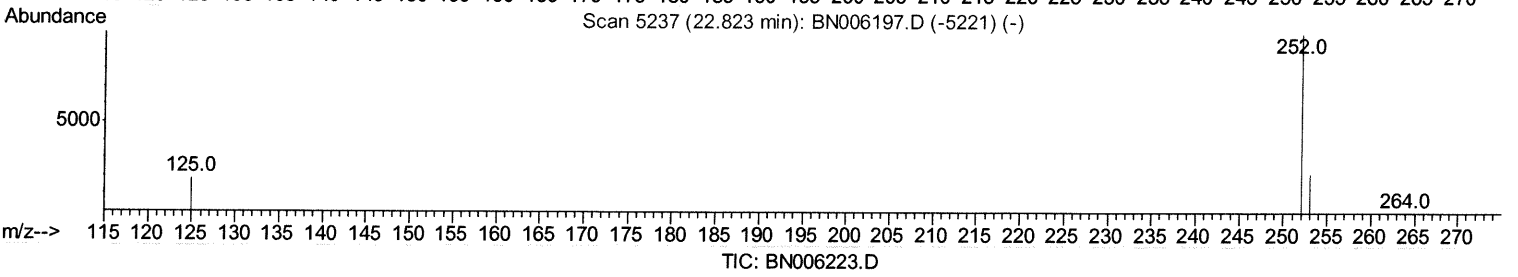
Quant Time: Jun 11 00:59:57 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
A51C8

**Manual Integrations APPROVED**
mohammad
6/11/2019 4:28:03 PM




TIC: BN006223.D

(21) Benzo(b)fluoranthene

22.835min (+0.012) 0.11ng/ul

response 6210

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 25.70 | 38.51 |
| 125.00 | 20.50 | 58.82# |
| 0.00 | 0.00 | 0.00 |

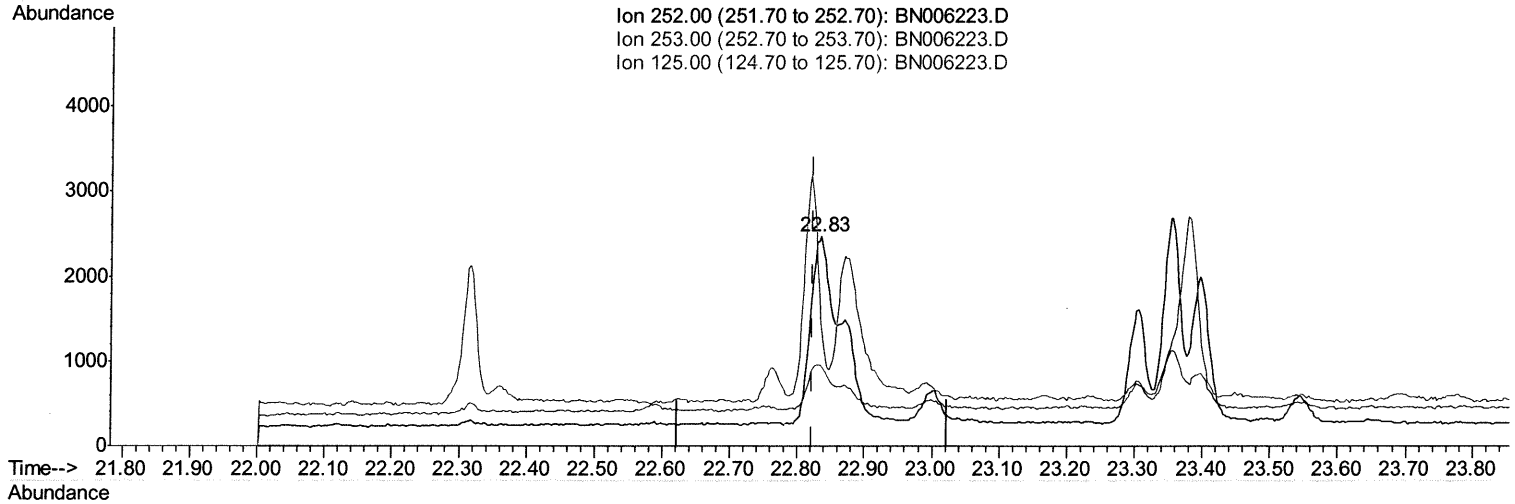
# Quantitation Report (Qedit)

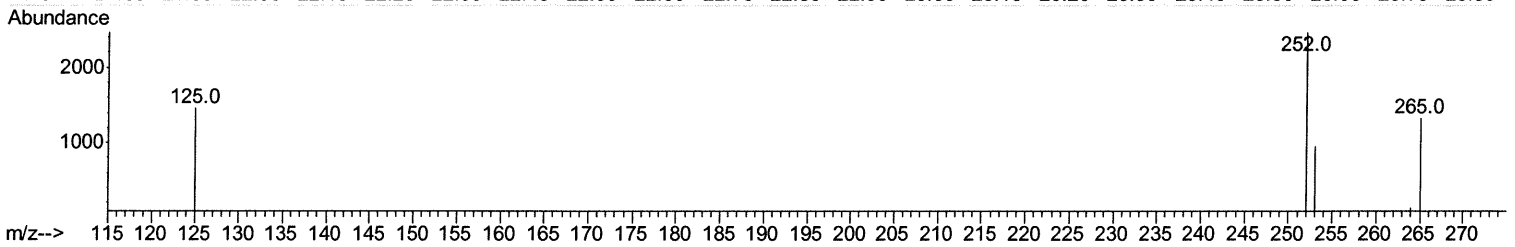
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
Data File : BN006223.D
Acq On : 10 Jun 2019 15:24
Operator : JU/SJ
Sample : K3016-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

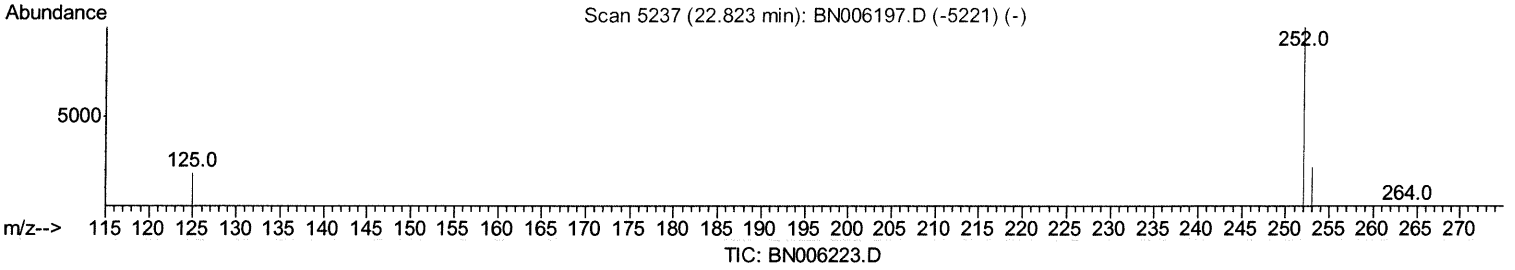
Quant Time: Jun 11 00:59:57 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
A51C8

**Manual Integrations APPROVED**
mohammad
6/11/2019 4:28:03 PM




TIC: BN006223.D

(21) Benzo(b)fluoranthene

22.835min (+0.012) 0.08ng/ul m JU 06/11/19

response 4593

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 25.70 | 38.51 |
| 125.00 | 20.50 | 58.82# |
| 0.00 | 0.00 | 0.00 |

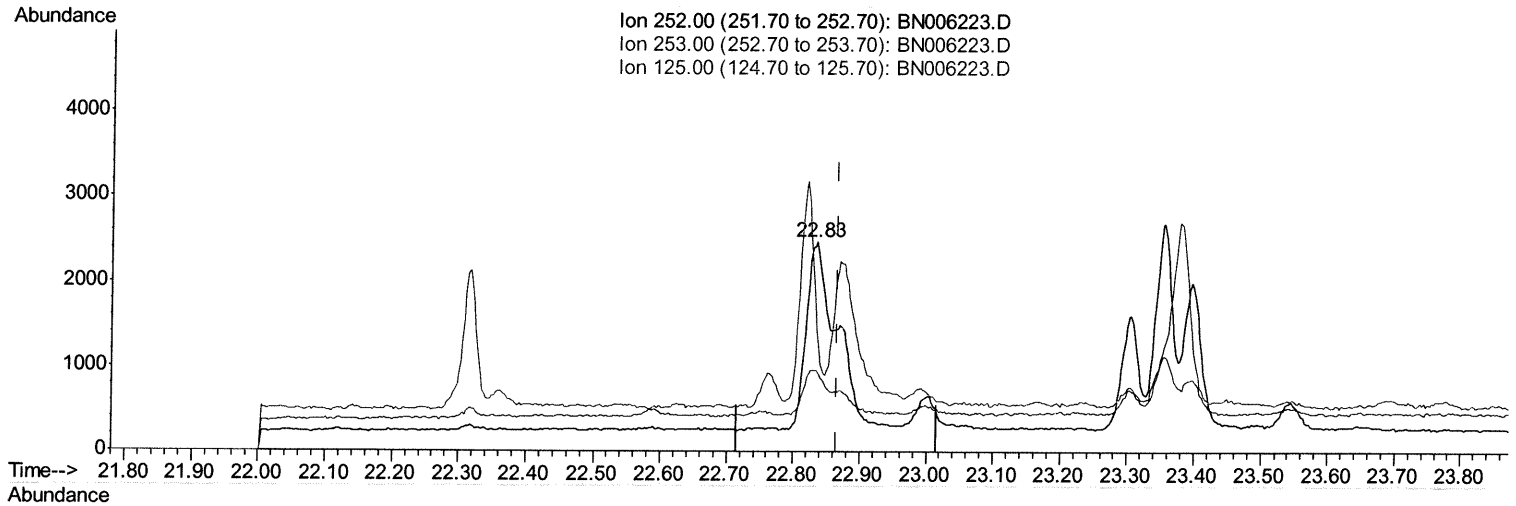
Quantitation Report (Qedit)

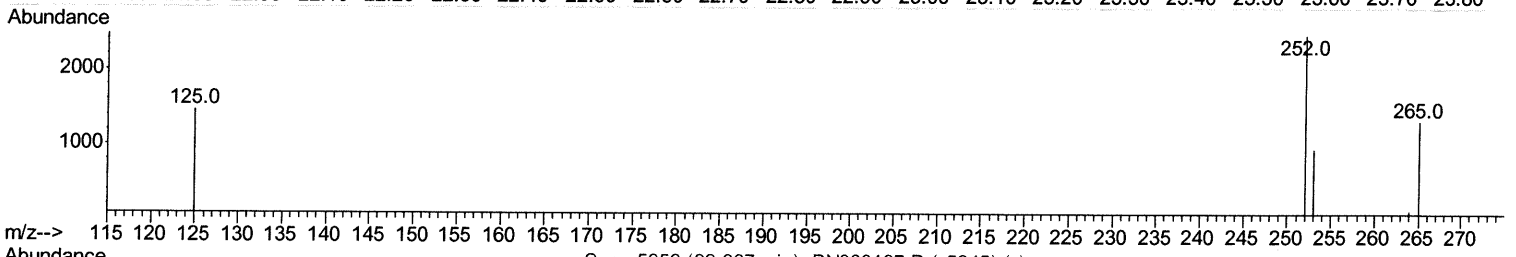
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
Data File : BN006223.D
Acq On : 10 Jun 2019 15:24
Operator : JU/SJ
Sample : K3016-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

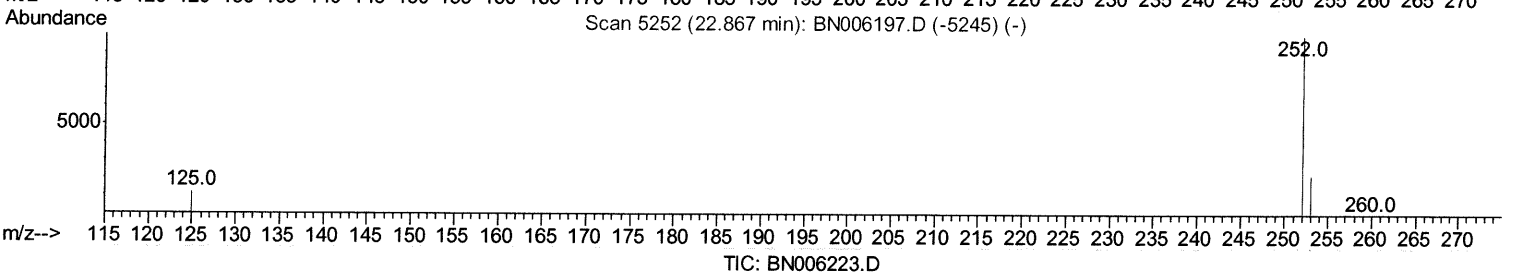
Quant Time: Jun 11 00:59:57 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
A51C8

**Manual Integrations APPROVED**
mohammad
6/11/2019 4:28:03 PM




TIC: BN006223.D

(22) Benzo(k)fluoranthene

22.835min (-0.032) 0.10ng/ul

response 5823

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 25.40 | 38.51# |
| 125.00 | 17.90 | 58.82# |
| 0.00 | 0.00 | 0.00 |

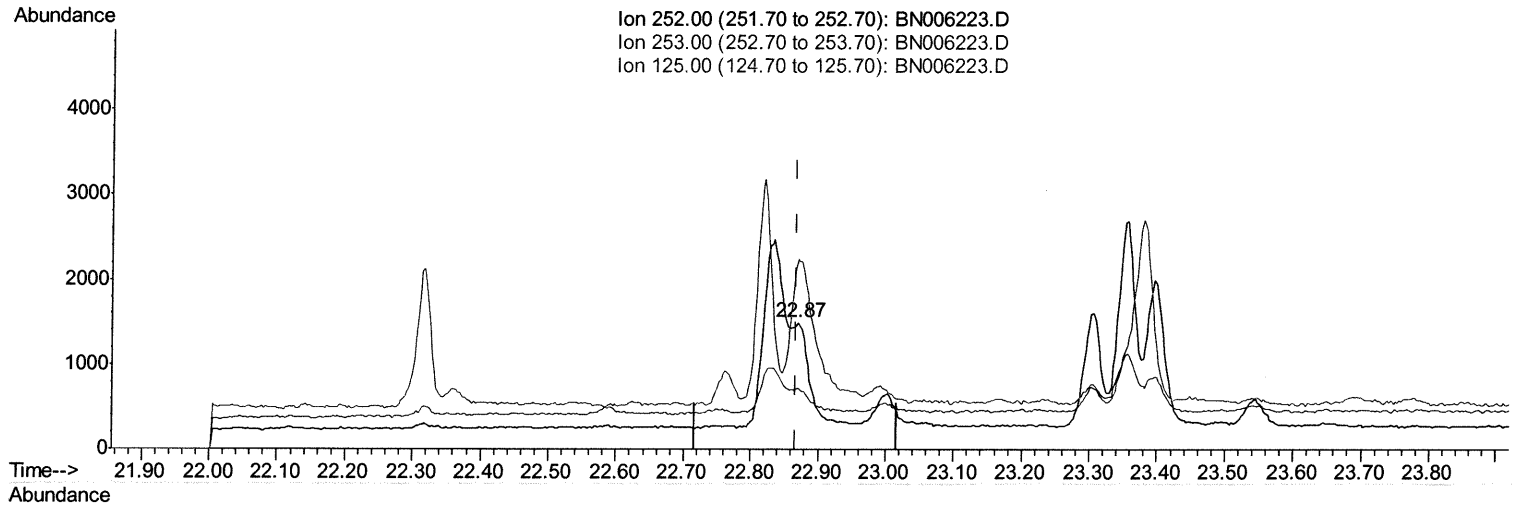
# Quantitation Report (Qedit)

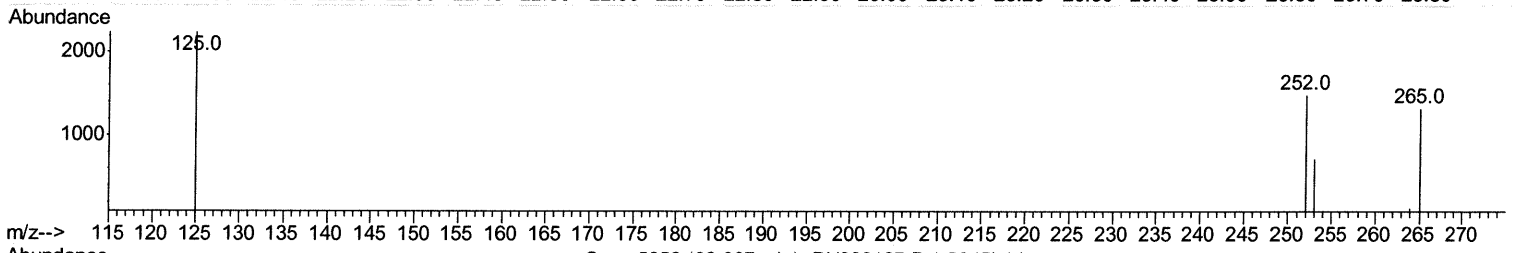
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
Data File : BN006223.D
Acq On : 10 Jun 2019 15:24
Operator : JU/SJ
Sample : K3016-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

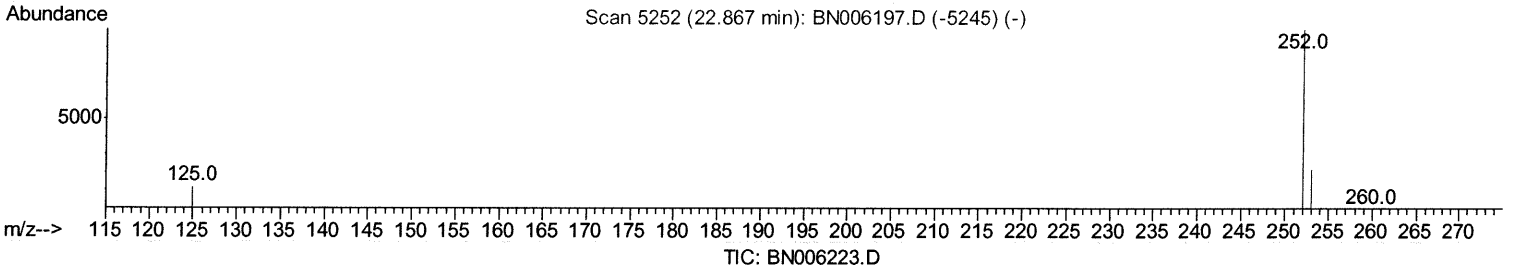
Quant Time: Jun 11 00:59:57 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
A51C8

**Manual Integrations APPROVED**
mohammad
6/11/2019 4:28:03 PM




TIC: BN006223.D

(22) Benzo(k)fluoranthene

22.870min (+0.003) 0.04ng/ul m JU 06/11/19

response 2367

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 25.40 | 48.15# |
| 125.00 | 17.90 | 150.24# |
| 0.00 | 0.00 | 0.00 |

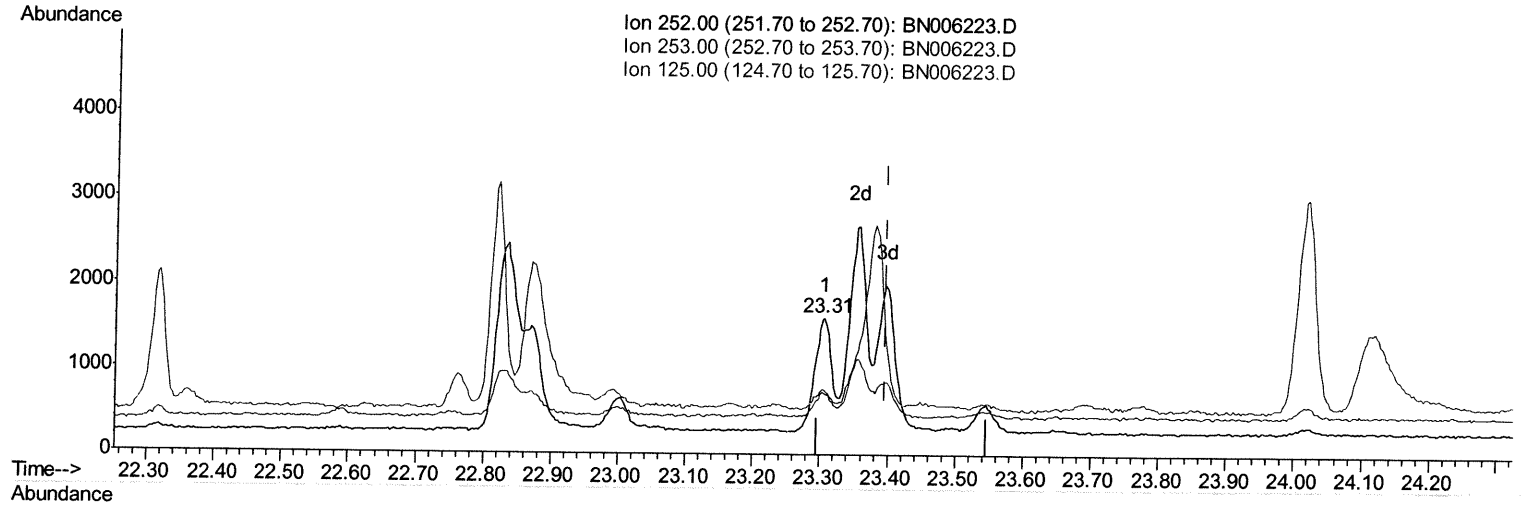
Quantitation Report (Qedit)

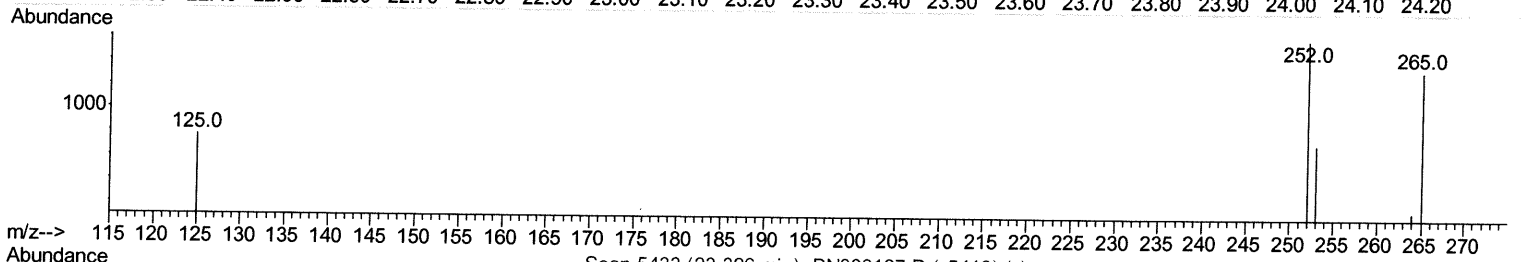
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
Data File : BN006223.D
Acq On : 10 Jun 2019 15:24
Operator : JU/SJ
Sample : K3016-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

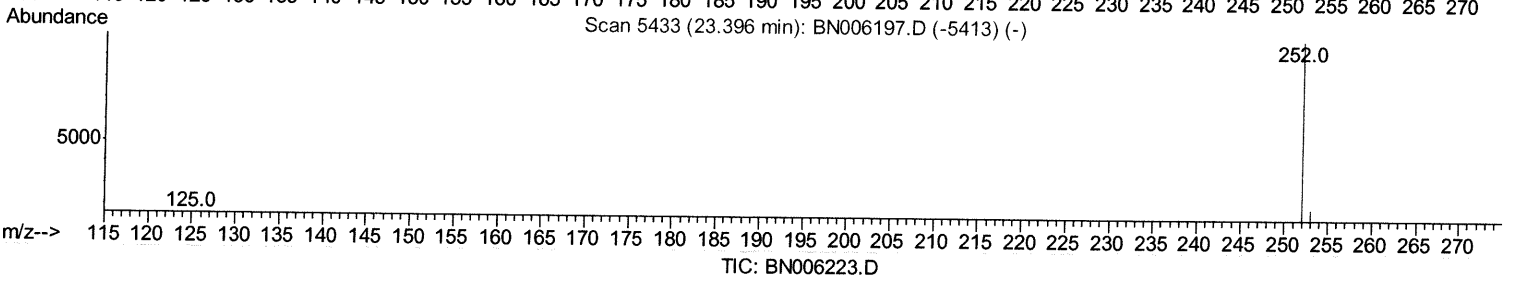
Quant Time: Jun 11 00:59:57 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
A51C8

**Manual Integrations APPROVED**
mohammad
6/11/2019 4:28:03 PM




(23) Benzo(a)pyrene (C)

23.305min (-0.091) 0.04ng/ul

response 2350

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 26.40 | 45.09# |
| 125.00 | 25.40 | 47.82# |
| 0.00 | 0.00 | 0.00 |

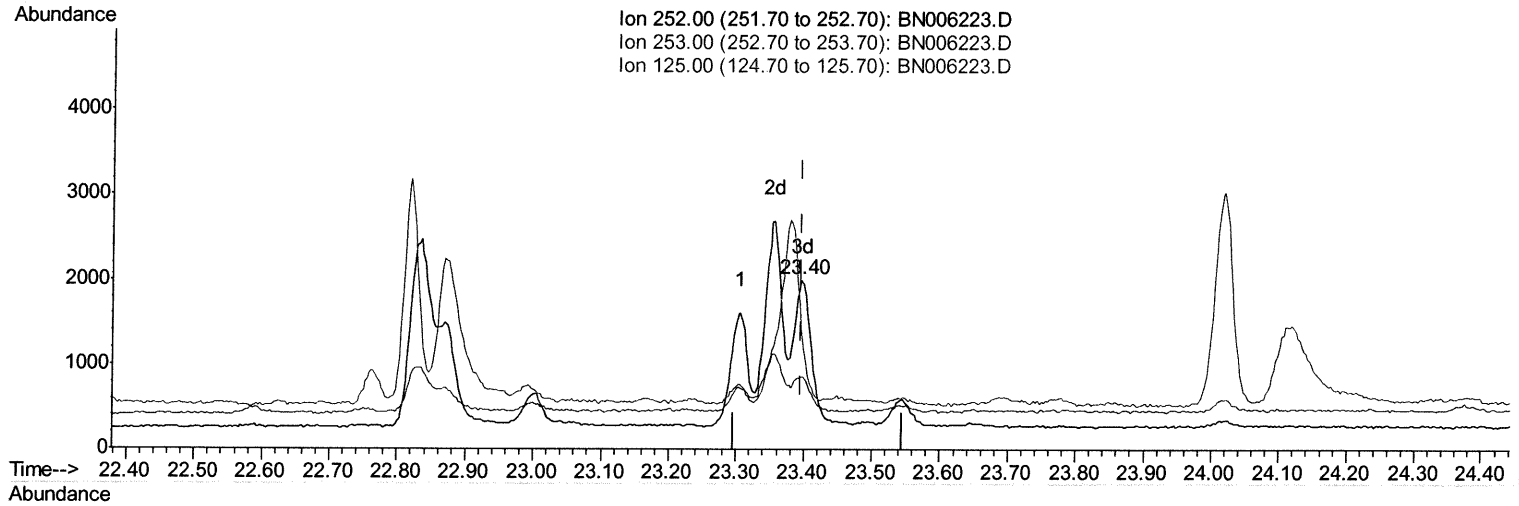
Quantitation Report (Qedit)

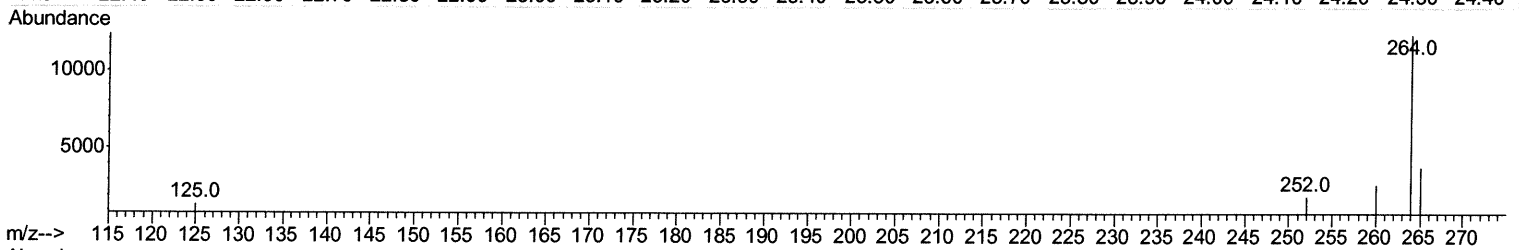
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
Data File : BN006223.D
Acq On : 10 Jun 2019 15:24
Operator : JU/SJ
Sample : K3016-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

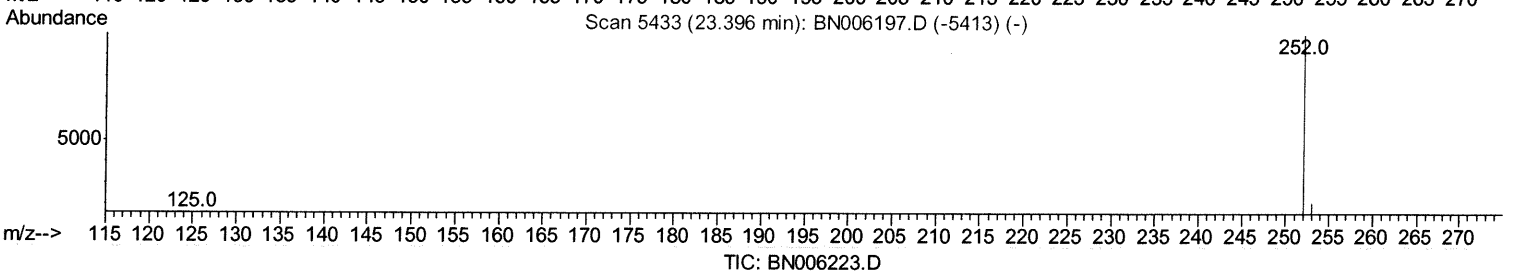
Quant Time: Jun 11 00:59:57 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
A51C8

**Manual Integrations APPROVED**
mohammad
6/11/2019 4:28:03 PM




(23) Benzo(a)pyrene (C)

23.396min (+0.000) 0.05ng/ul m JU 06/11/19

response 2928

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 26.40 | 43.06# |
| 125.00 | 25.40 | 70.61# |
| 0.00 | 0.00 | 0.00 |

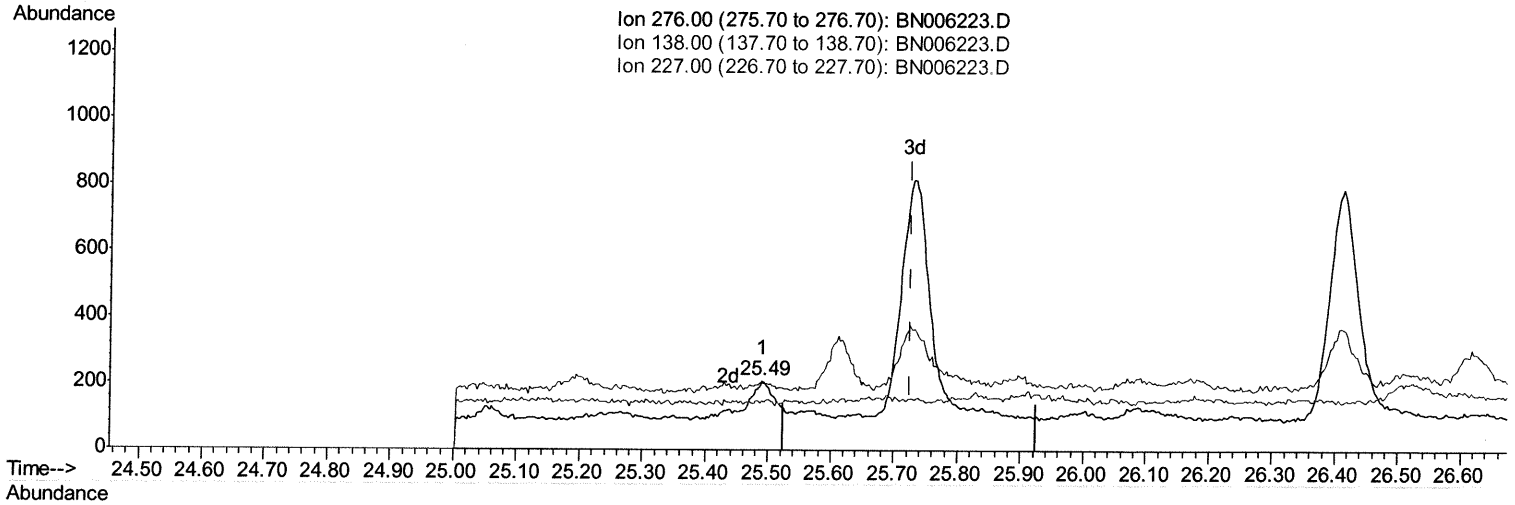
# Quantitation Report (Qedit)

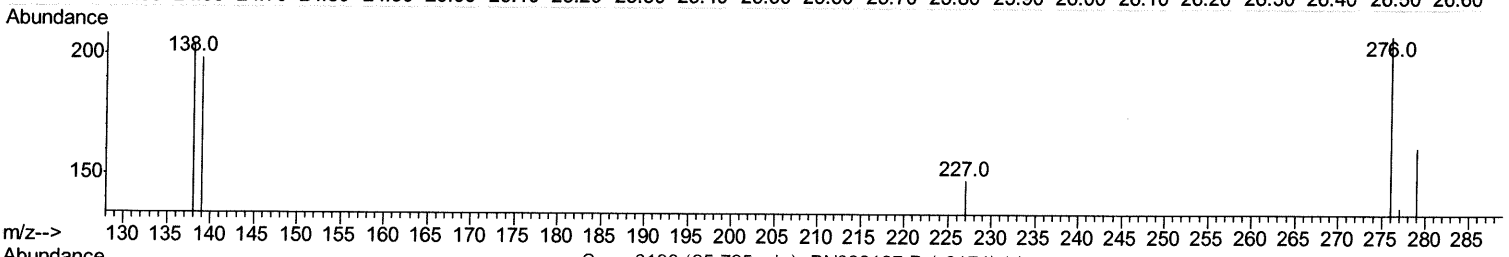
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
Data File : BN006223.D
Acq On : 10 Jun 2019 15:24
Operator : JU/SJ
Sample : K3016-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 11 00:59:57 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

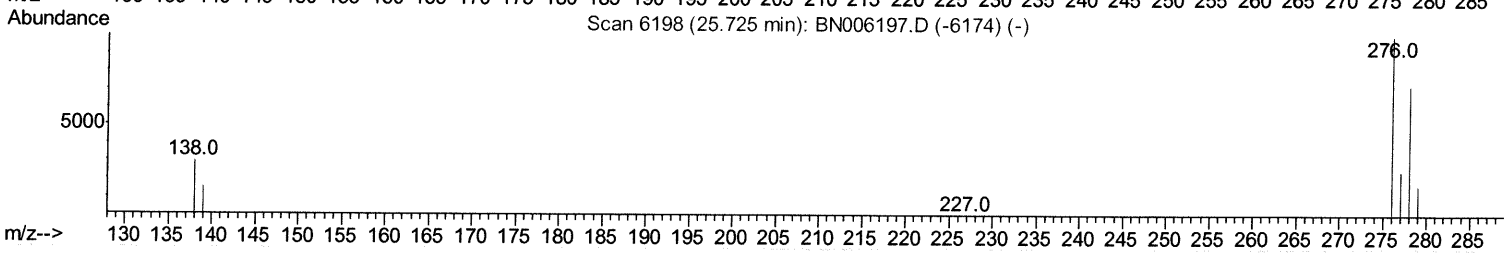
**Instrument :**
BNA_N
**ClientSampleId :**
A51C8

**Manual Integrations APPROVED**
mohammad
6/11/2019 4:28:03 PM




Scan 6198 (25.725 min): BN006197.D (-6174) (-)




TIC: BN006223.D

(24) Indeno(1,2,3-cd)pyrene

25.490min (-0.235) 0.01ng/ul

response 305

| Ion | Exp% | Act% |
|---|---|---|
| 276.00 | 100 | 100 |
| 138.00 | 32.00 | 14.10# |
| 227.00 | 0.40 | 1.31# |
| 0.00 | 0.00 | 0.00 |

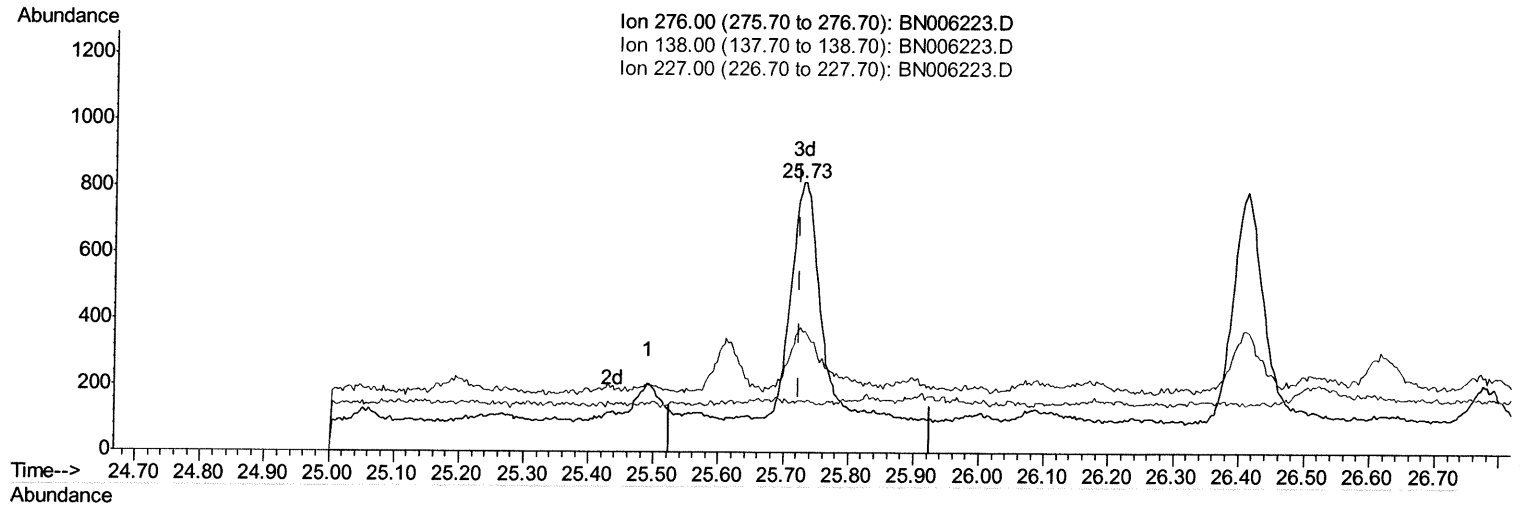
Quantitation Report (Qedit)

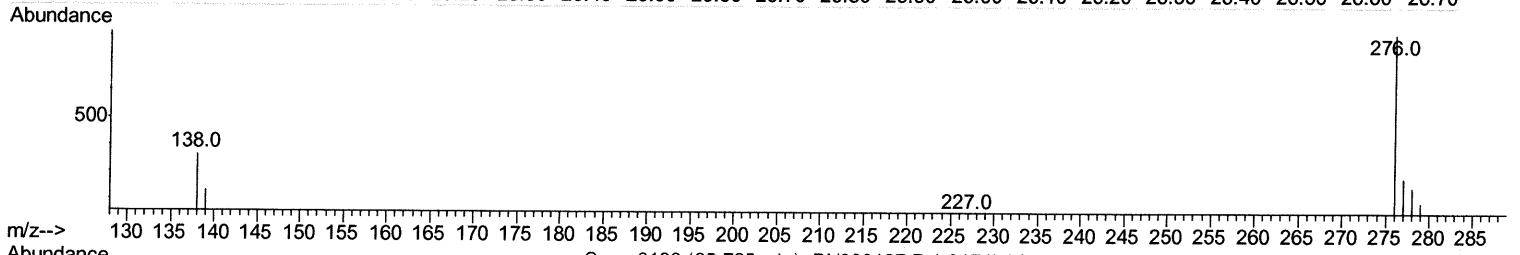
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
Data File : BN006223.D
Acq On : 10 Jun 2019 15:24
Operator : JU/SJ
Sample : K3016-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 11 00:59:57 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

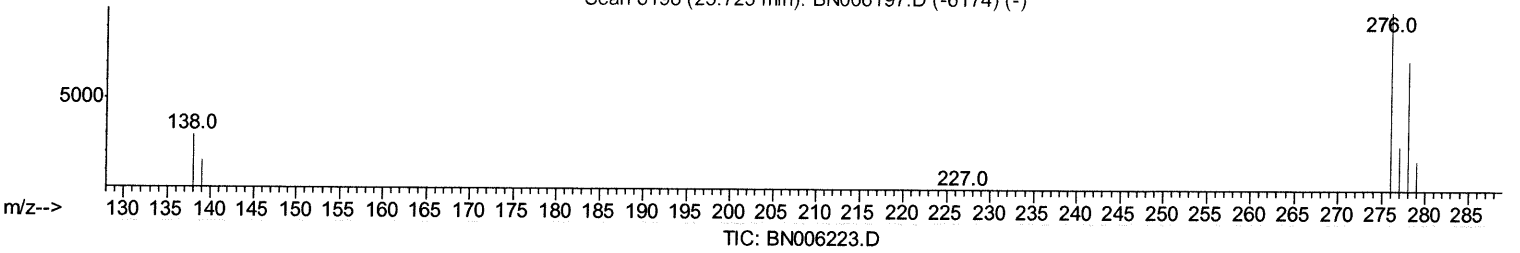
**Instrument :**
BNA_N
**ClientSampleId :**
A51C8

**Manual Integrations APPROVED**
mohammad
6/11/2019 4:28:03 PM




Scan 6198 (25.725 min): BN006197.D (-6174) (-)




TIC: BN006223.D

(24) Indeno(1,2,3-cd)pyrene

25.728min (+0.003) 0.04ng/ul m JU 06/11/19

response 2190

| Ion | Exp% | Act% |
|---|---|---|
| 276.00 | 100 | 100 |
| 138.00 | 32.00 | 1.96# |
| 227.00 | 0.40 | 0.18# |
| 0.00 | 0.00 | 0.00 |

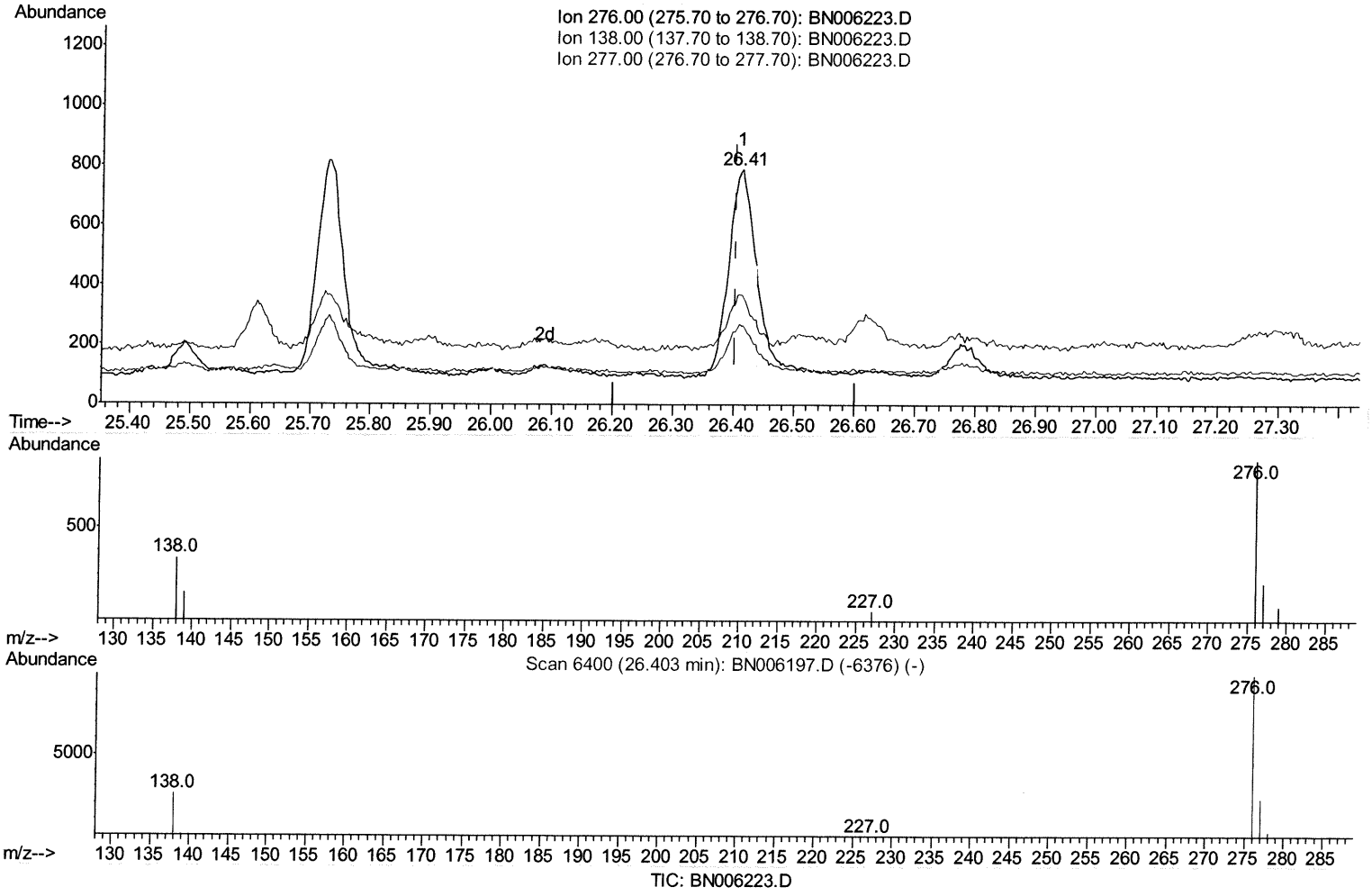
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
Data File : BN006223.D
Acq On : 10 Jun 2019 15:24
Operator : JU/SJ
Sample : K3016-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 11 00:59:57 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
A51C8

**Manual Integrations APPROVED**
mohammad
6/11/2019 4:28:03 PM




TIC: BN006223.D

(26) Benzo(g,h,i)perylene

26.413min (+0.010) 0.04ng/ul

response 1855

| Ion | Exp% | Act% |
|---|---|---|
| 276.00 | 100 | 100 |
| 138.00 | 30.30 | 46.70# |
| 277.00 | 26.90 | 33.38# |
| 0.00 | 0.00 | 0.00 |

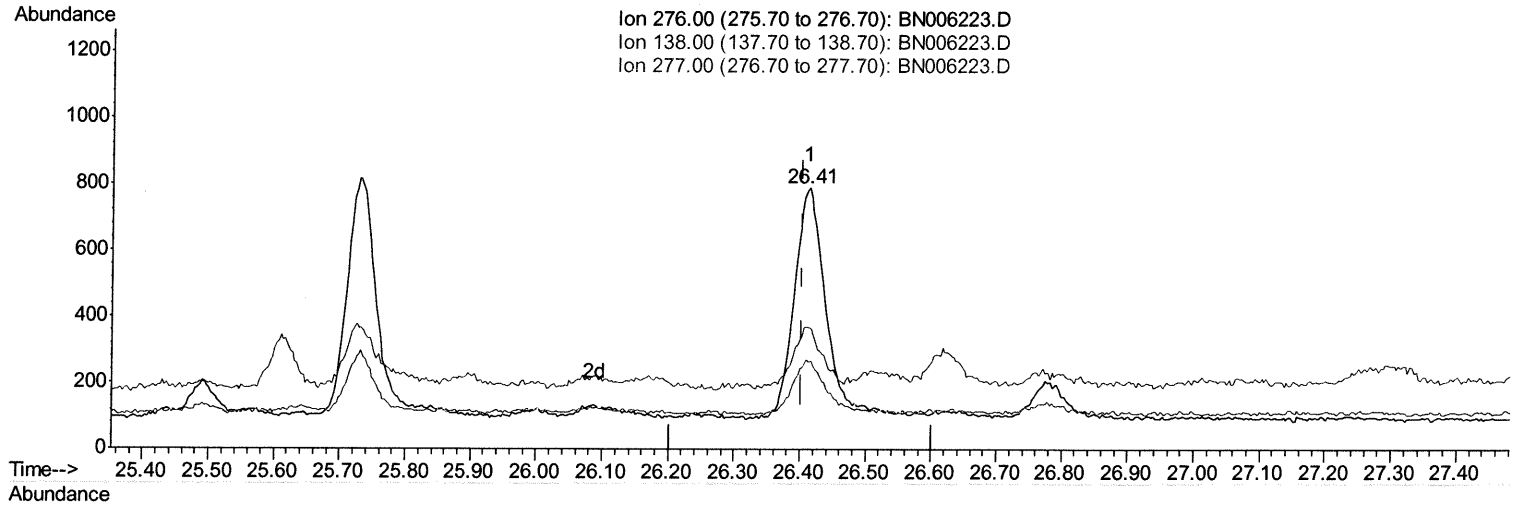
# Quantitation Report (Qedit)

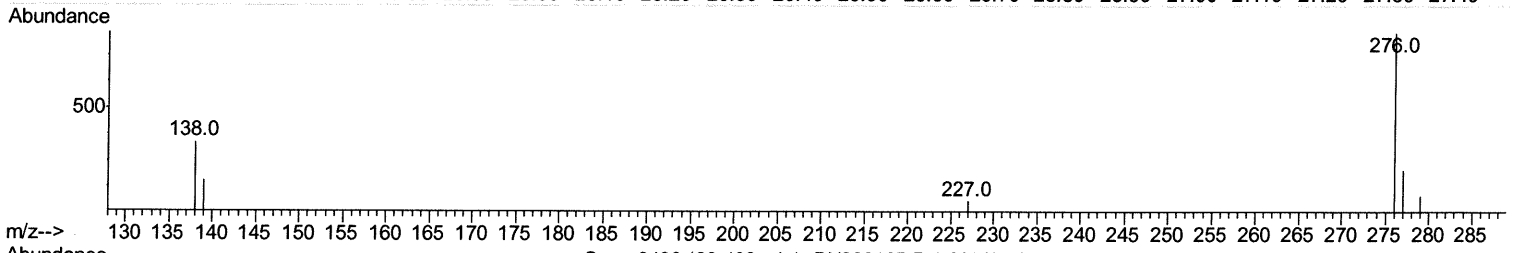
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
Data File : BN006223.D
Acq On : 10 Jun 2019 15:24
Operator : JU/SJ
Sample : K3016-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

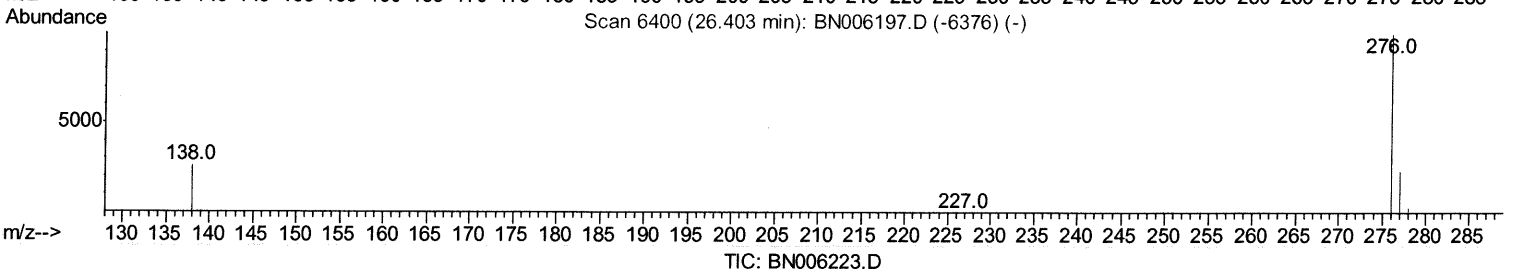
Quant Time: Jun 11 00:59:57 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
A51C8

**Manual Integrations APPROVED**
mohammad
6/11/2019 4:28:03 PM




TIC: BN006223.D

(26) Benzo(g,h,i)perylene

26.413min (+0.010) 0.05ng/ul m JU 06/11/19

response 2256

| Ion | Exp% | Act% |
|---|---|---|
| 276.00 | 100 | 100 |
| 138.00 | 30.30 | 46.70# |
| 277.00 | 26.90 | 33.38# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
Data File : BN006223.D
Acq On : 10 Jun 2019 15:24
Operator : JU/SJ
Sample : K3016-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A51C8

Manual Integrations APPROVED
mohammad
6/11/2019 4:28:03 PM

Quant Time: Jun 11 01:02:12 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.65 | 152 | 4819 | 0.40 ng/ul | 0.00 |
| 2) Naphthalene-d8 | 10.42 | 136 | 18161 | 0.40 ng/ul | 0.00 |
| 6) Acenaphthene-d10 | 14.30 | 164 | 9401 | 0.40 ng/ul | 0.00 |
| 10) Phenanthrene-d10 | 17.05 | 188 | 19036m | 0.40 ng/ul | 0.00 |
| 16) Chrysene-d12 | 21.27 | 240 | 14911m | 0.40 ng/ul | 0.00 |
| 20) Perylene-d12 | 23.50 | 264 | 13724m | 0.40 ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | |
| 4) 2-Methylnaphthalene-d10 | 12.02 | 152 | 5827 | 0.21 ng/ul | 0.00 |
| 14) Fluoranthene-d10 | 19.09 | 212 | 14667m | 0.29 ng/ul | 0.00 |
| **Target Compounds** | | | | | Qvalue |
| 12) Phenanthrene | 17.09 | 178 | 2616m | 0.043 ng/ul | |
| 15) Fluoranthene | 19.12 | 202 | 6466m | 0.096 ng/ul | |
| 17) Pyrene | 19.49 | 202 | 6284m | 0.080 ng/ul | |
| 18) Benzo(a)anthracene | 21.25 | 228 | 2294 | 0.035 ng/ul# | 86 |
| 19) Chrysene | 21.30 | 228 | 3670 | 0.059 ng/ul# | 92 |
| 21) Benzo(b)fluoranthene | 22.83 | 252 | 4593m | 0.080 ng/ul | |
| 22) Benzo(k)fluoranthene | 22.87 | 252 | 2367m | 0.042 ng/ul | |
| 23) Benzo(a)pyrene | 23.40 | 252 | 2928m | 0.055 ng/ul | |
| 24) Indeno(1,2,3-cd)pyrene | 25.73 | 276 | 2190m | 0.038 ng/ul | |
| 26) Benzo(g,h,i)perylene | 26.41 | 276 | 2256m | 0.047 ng/ul | |

JU 06/11/19

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