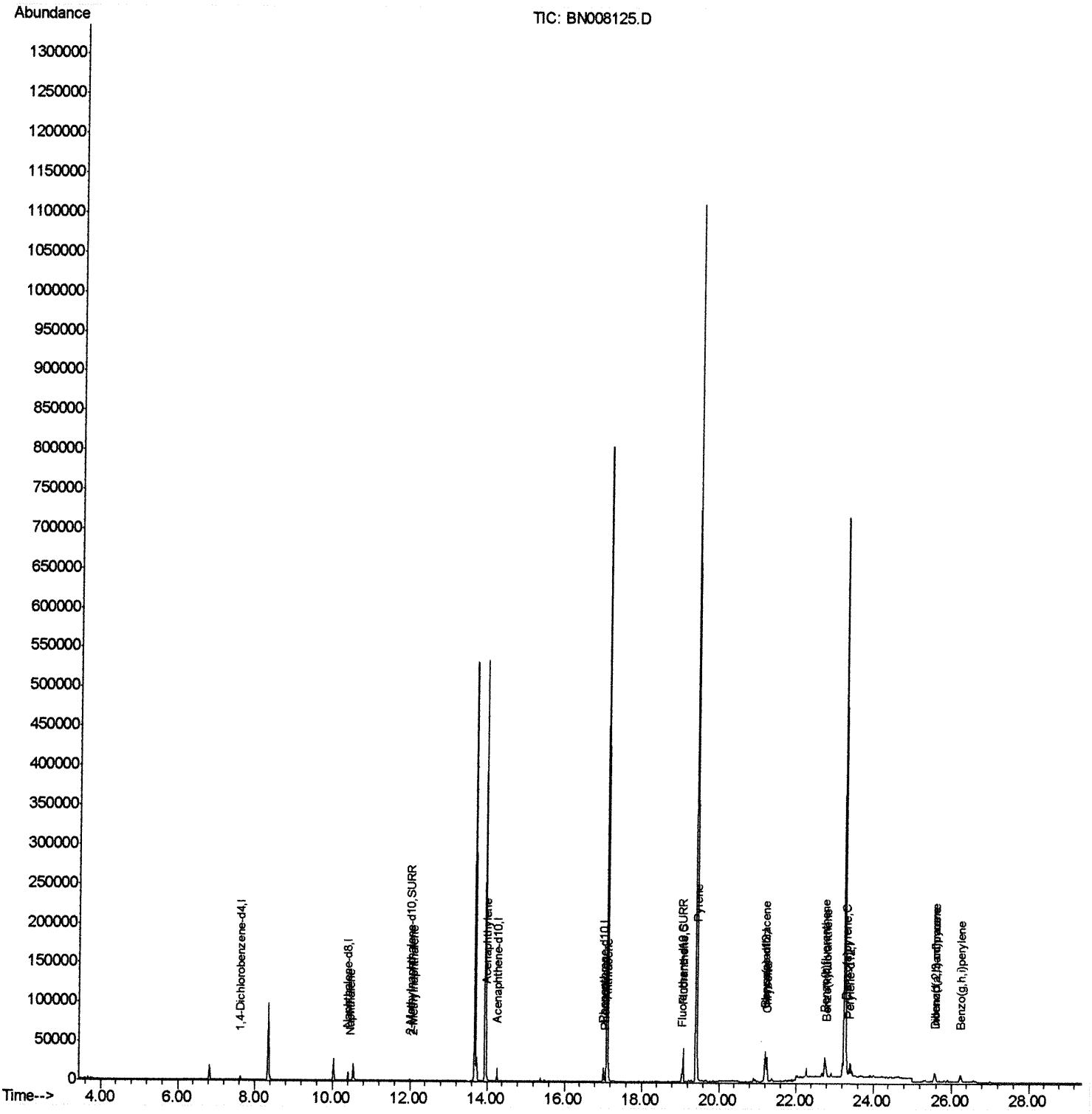
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101119\
Data File : BN008125.D
Acq On : 12 Oct 2019 23:42
Operator : JU
Sample : K5178-16
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 14 16:12:57 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 : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
BEPD5

**Manual Integrations APPROVED**
mohammad
10/15/2019 7:59:25 AM



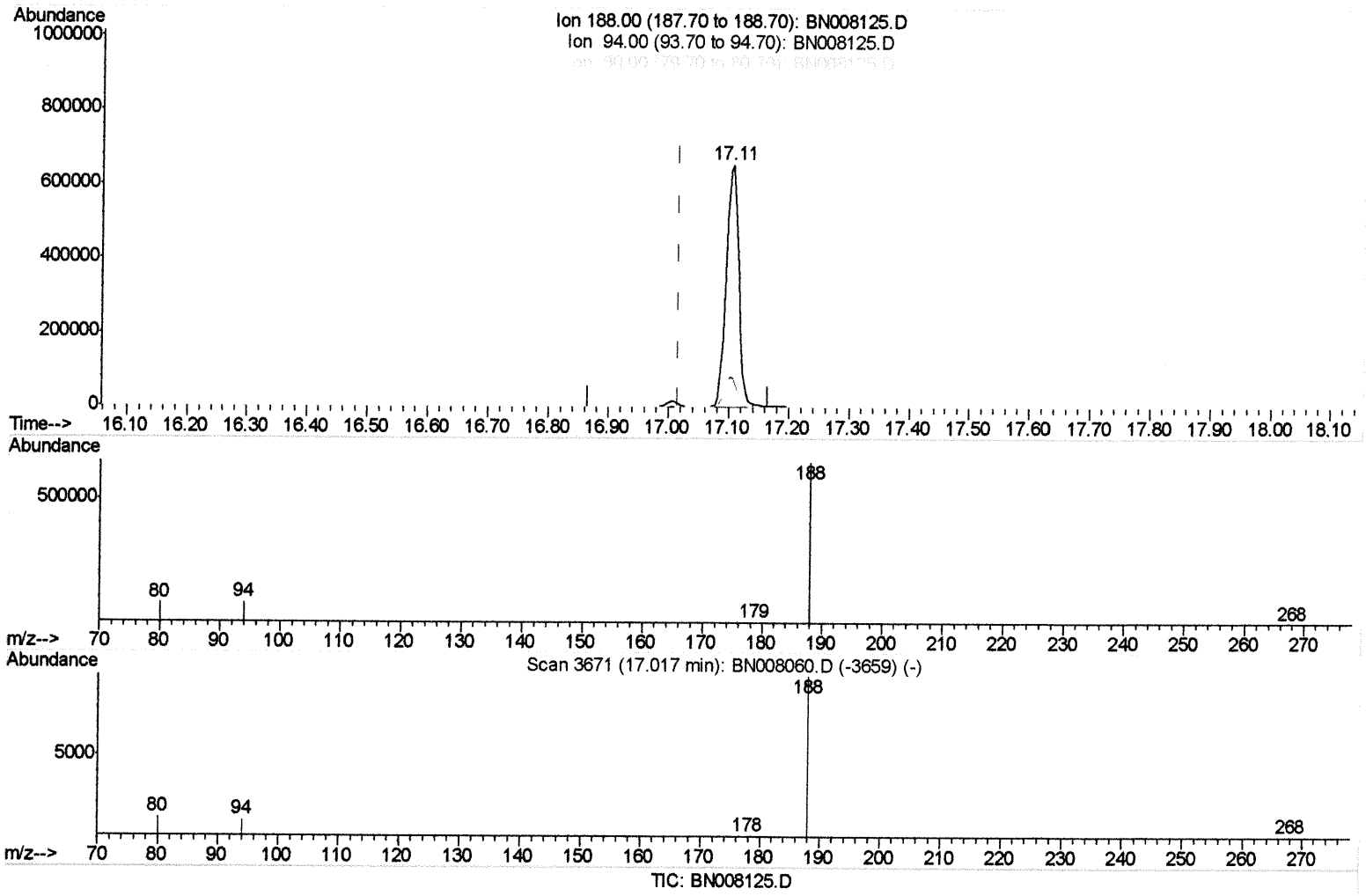
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101119\
Data File : BN008125.D
Acq On : 12 Oct 2019 23:42
Operator : JU
Sample : K5178-16
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 14 16:07:27 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 : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
BEPD5

**Manual Integrations APPROVED**
mohammad
10/15/2019 7:59:25 AM




TIC: BN008125.D

(10) Phenanthrene-d10 (I)

17.106min (+0.089) 0.40ng/ul

response 939237

| Ion | Exp% | Act% |
|---|---|---|
| 188.00 | 100 | 100 |
| 94.00 | 10.90 | 11.97 |
| 80.00 | 12.60 | 11.58 |
| 0.00 | 0.00 | 0.00 |

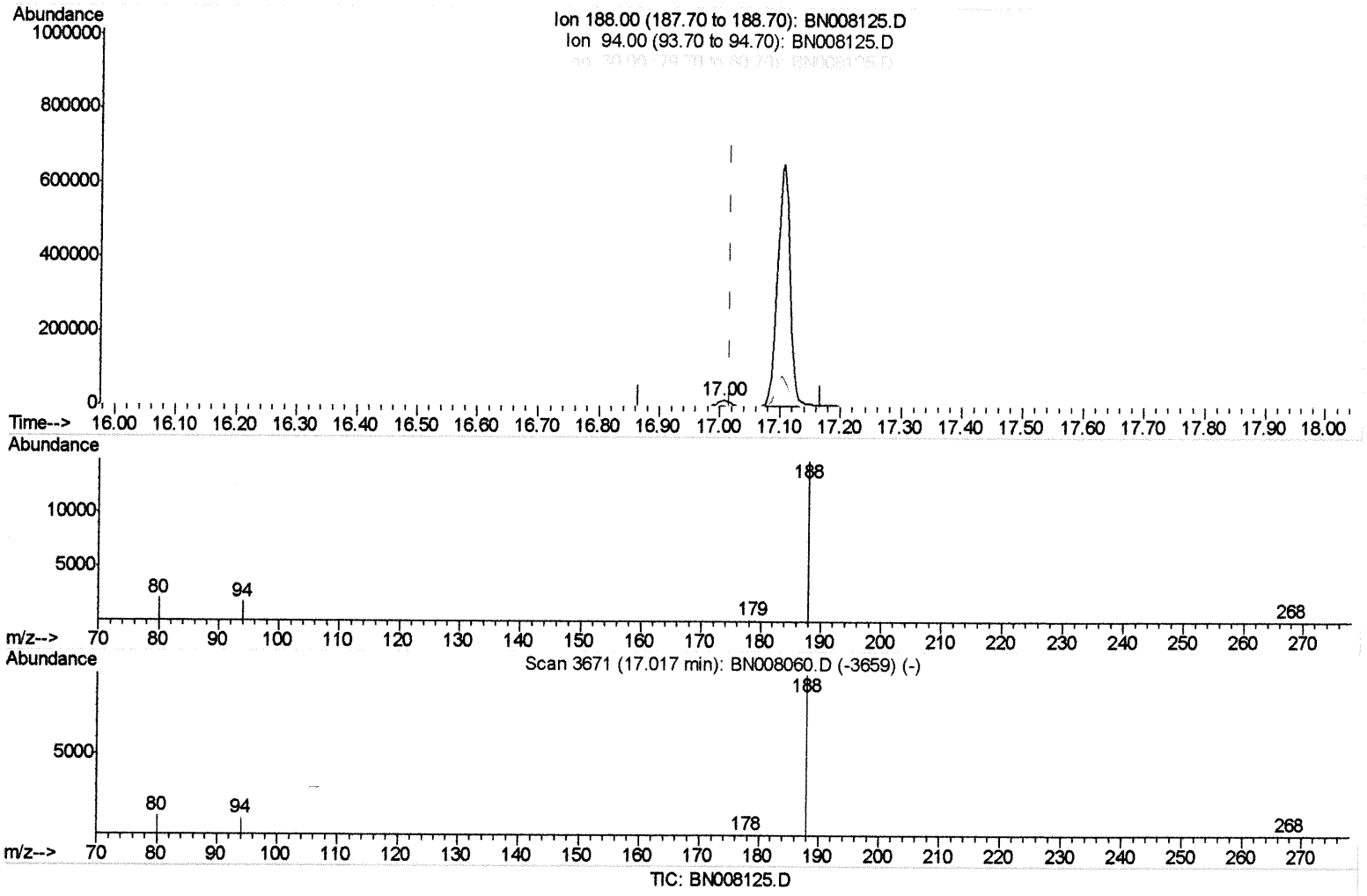
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101119\
Data File : BN008125.D
Acq On : 12 Oct 2019 23:42
Operator : JU
Sample : K5178-16
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 14 16:07:27 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 : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
BEPD5

**Manual Integrations APPROVED**
mohammad
10/15/2019 7:59:25 AM




TIC: BN008125.D

(10) Phenanthrene-d10 (I)

17.005min (-0.012) 0.40ng/ul m JU 10/16/19

response 21690

| Ion | Exp% | Act% |
|---|---|---|
| 188.00 | 100 | 100 |
| 94.00 | 10.90 | 11.85 |
| 80.00 | 12.60 | 13.93 |
| 0.00 | 0.00 | 0.00 |

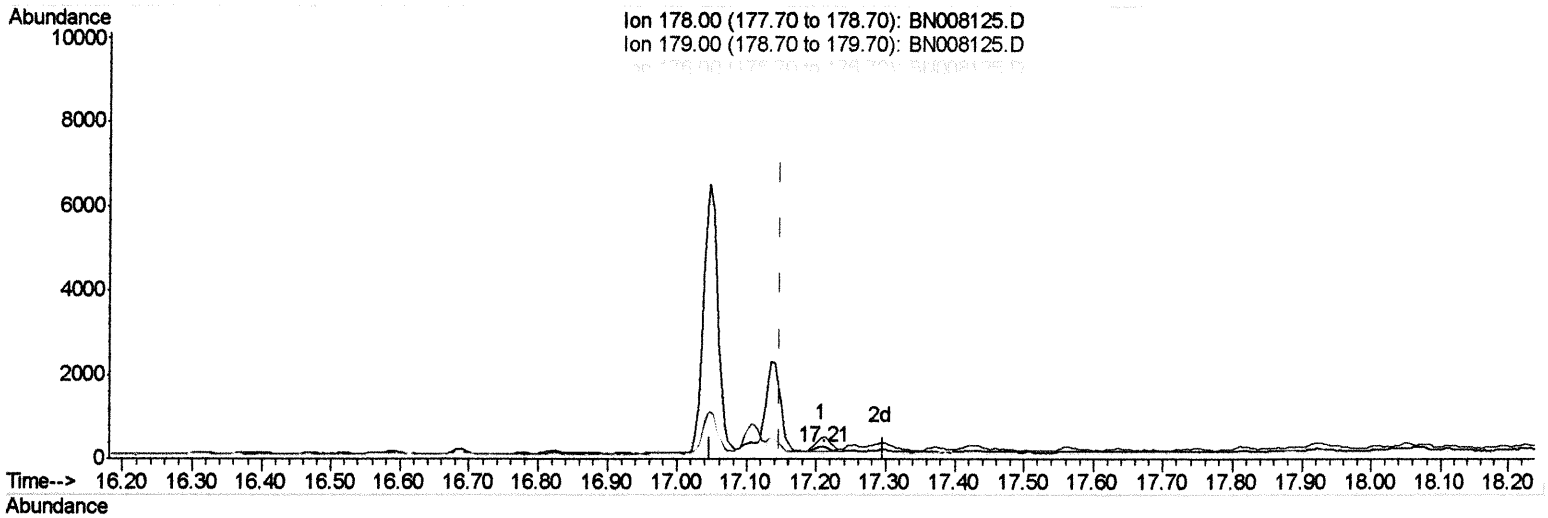
Quantitation Report (Qedit)

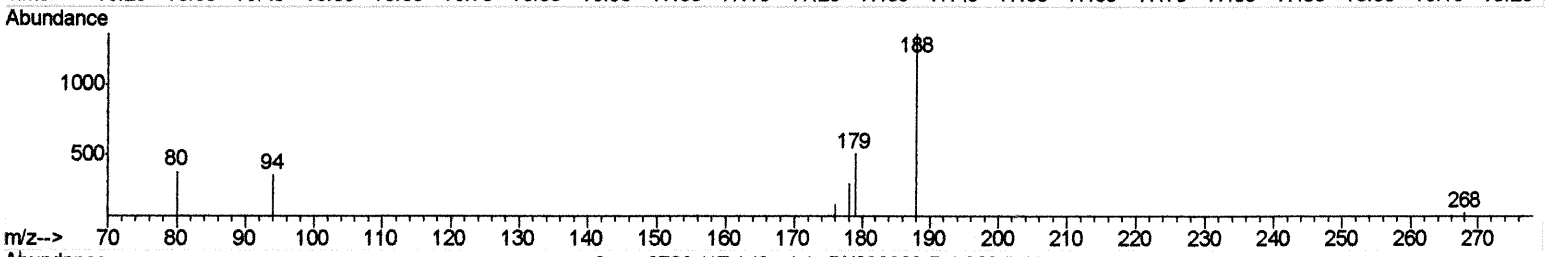
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101119\
Data File : BN008125.D
Acq On : 12 Oct 2019 23:42
Operator : JU
Sample : K5178-16
Misc :
ALS Vial : 9 Sample Multiplier: 1

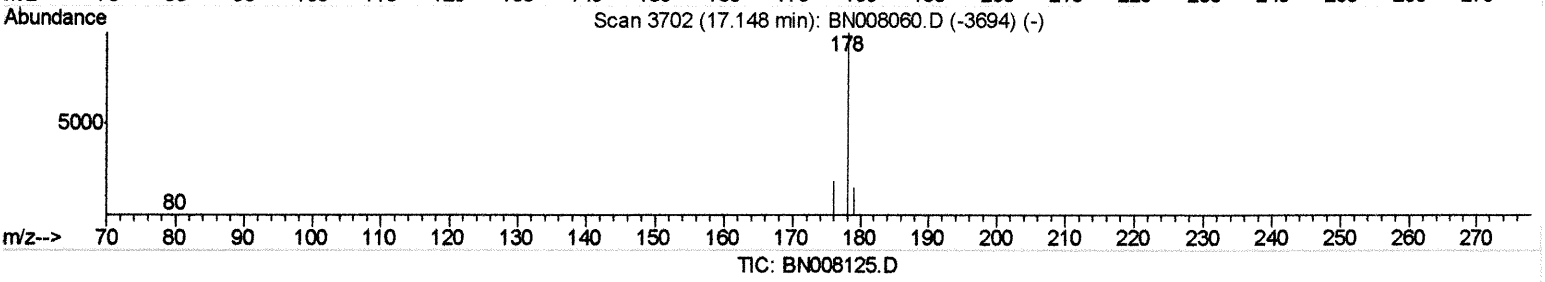
Quant Time: Oct 14 16:07:59 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
BEPD5

**Manual Integrations APPROVED**
mohammad
10/15/2019 7:59:25 AM




TIC: BN008125.D

(13) Anthracene

17.207min (+0.059) 0.00ng/ul

response 154

| Ion | Exp% | Act% |
|---|---|---|
| 178.00 | 100 | 100 |
| 179.00 | 16.30 | 174.31# |
| 176.00 | 18.80 | 45.49# |
| 0.00 | 0.00 | 0.00 |

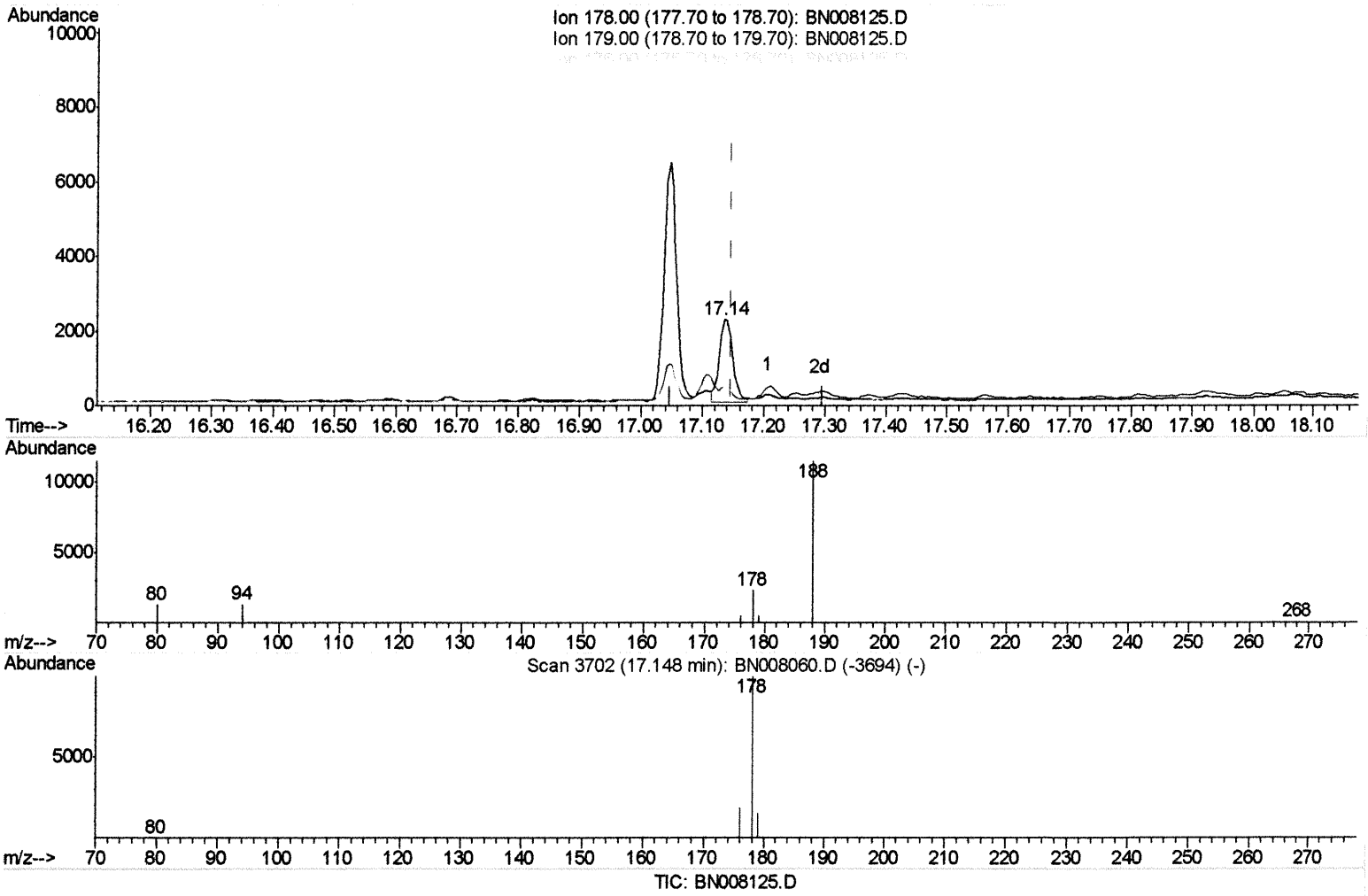
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101119\
Data File : BN008125.D
Acq On : 12 Oct 2019 23:42
Operator : JU
Sample : K5178-16
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 14 16:07:59 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 : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
BEPD5

**Manual Integrations APPROVED**
mohammad
10/15/2019 7:59:25 AM




TIC: BN008125.D

(13) Anthracene

17.135min (-0.012) 0.06ng/ul m JU 10/16/19

response 3325

| Ion | Exp% | Act% |
|---|---|---|
| 178.00 | 100 | 100 |
| 179.00 | 16.30 | 21.59# |
| 176.00 | 18.80 | 21.54 |
| 0.00 | 0.00 | 0.00 |

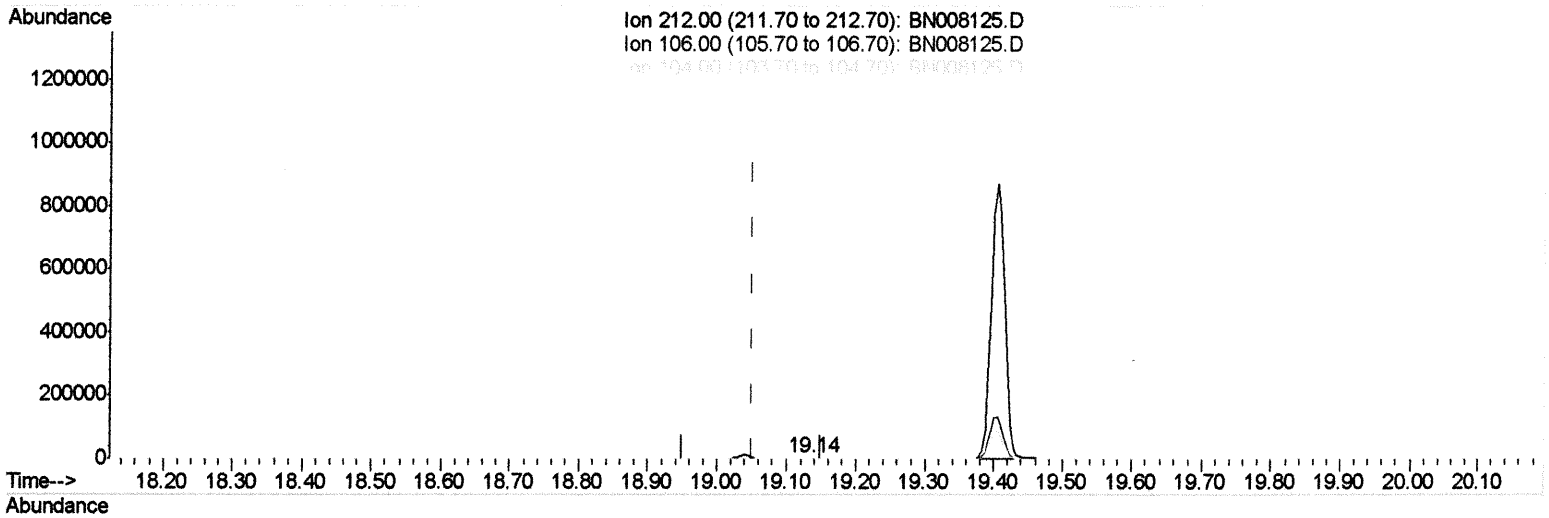
Quantitation Report (Qedit)

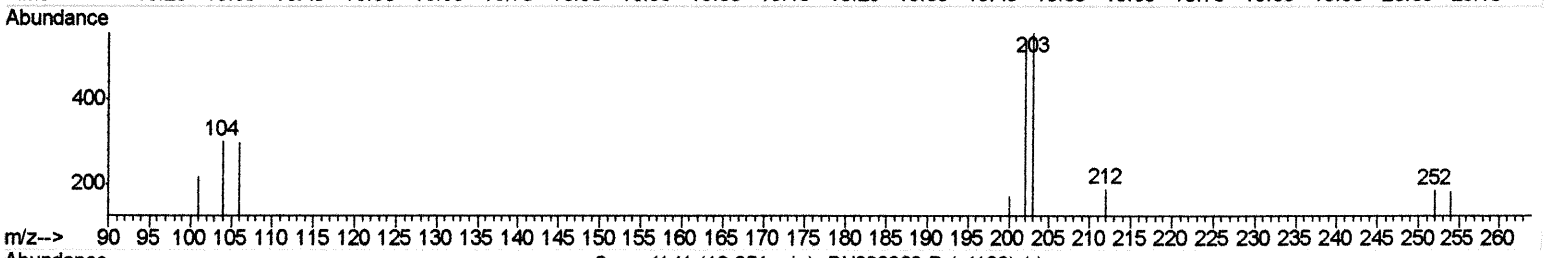
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101119\
Data File : BN008125.D
Acq On : 12 Oct 2019 23:42
Operator : JU
Sample : K5178-16
Misc :
ALS Vial : 9 Sample Multiplier: 1

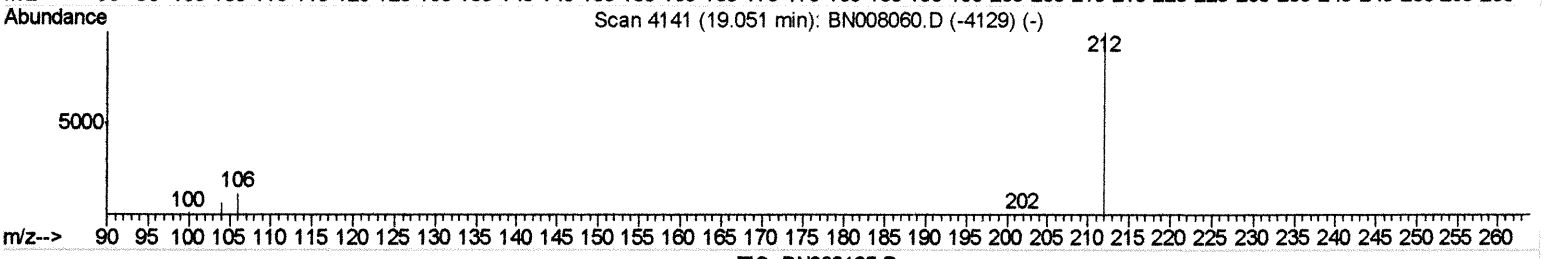
Quant Time: Oct 14 16:07:59 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
BEPD5

**Manual Integrations APPROVED**
mohammad
10/15/2019 7:59:25 AM




TIC: BN008125.D

(14) Fluoranthene-d10 (SURR)

19.135min (+0.084) 0.00ng/ul

response 147

| Ion | Exp% | Act% |
|---|---|---|
| 212.00 | 100 | 100 |
| 106.00 | 12.70 | 45.58# |
| 104.00 | 7.20 | 87.07# |
| 0.00 | 0.00 | 0.00 |

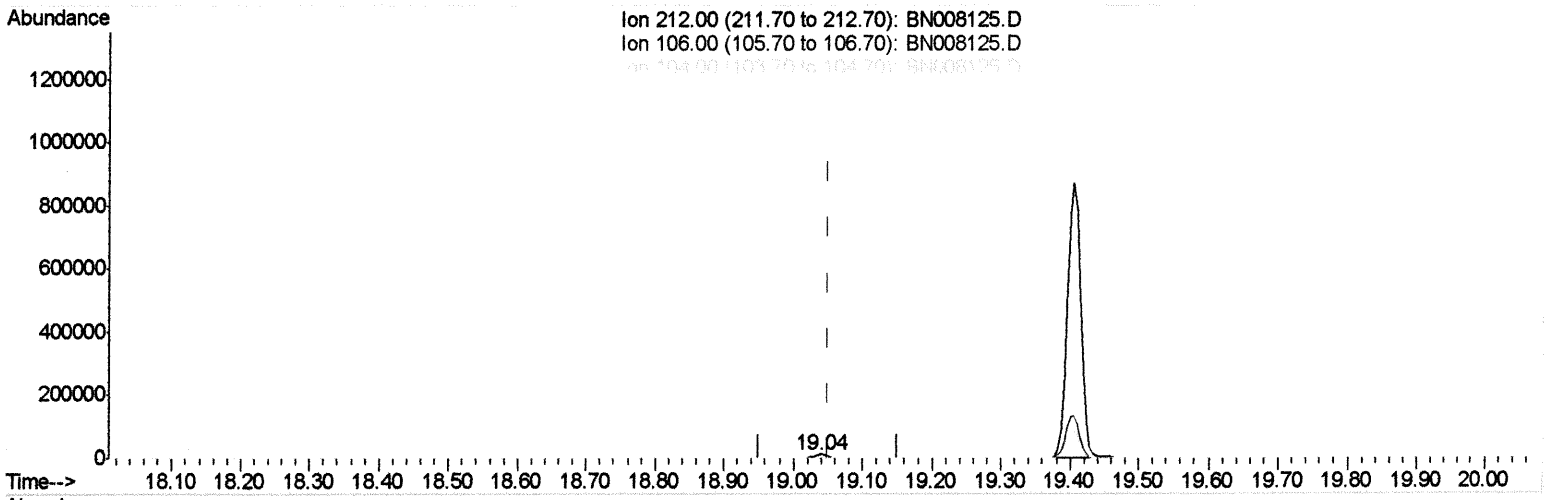
Quantitation Report (Qedit)

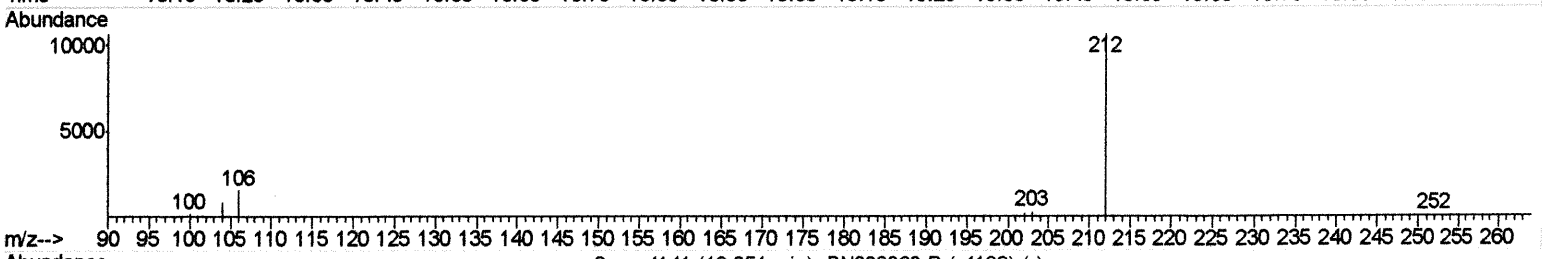
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101119\
Data File : BN008125.D
Acq On : 12 Oct 2019 23:42
Operator : JU
Sample : K5178-16
Misc :
ALS Vial : 9 Sample Multiplier: 1

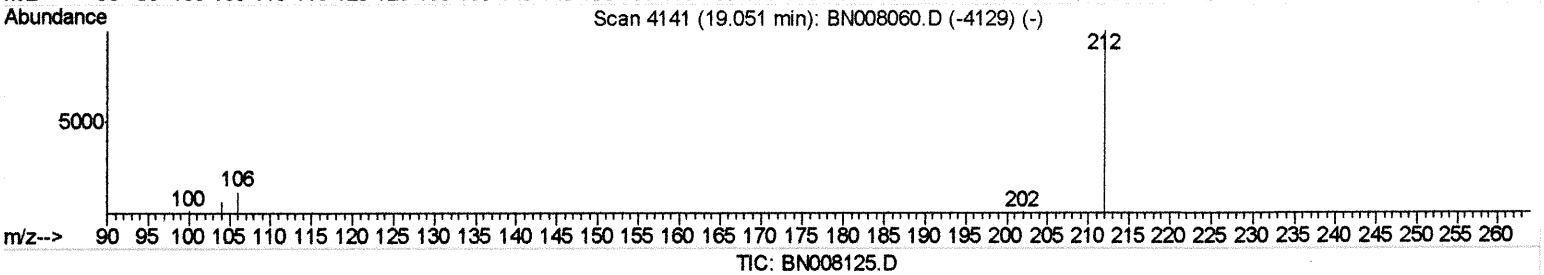
Quant Time: Oct 14 16:07:59 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
BEPD5

**Manual Integrations APPROVED**
mohammad
10/15/2019 7:59:25 AM




TIC: BN008125.D

(14) Fluoranthene-d10 (SURR)

19.038min (-0.013) 0.19ng/ul m JU 10/16/19

response 14391

| Ion | Exp% | Act% |
|---|---|---|
| 212.00 | 100 | 100 |
| 106.00 | 12.70 | 0.47# |
| 104.00 | 7.20 | 0.89# |
| 0.00 | 0.00 | 0.00 |

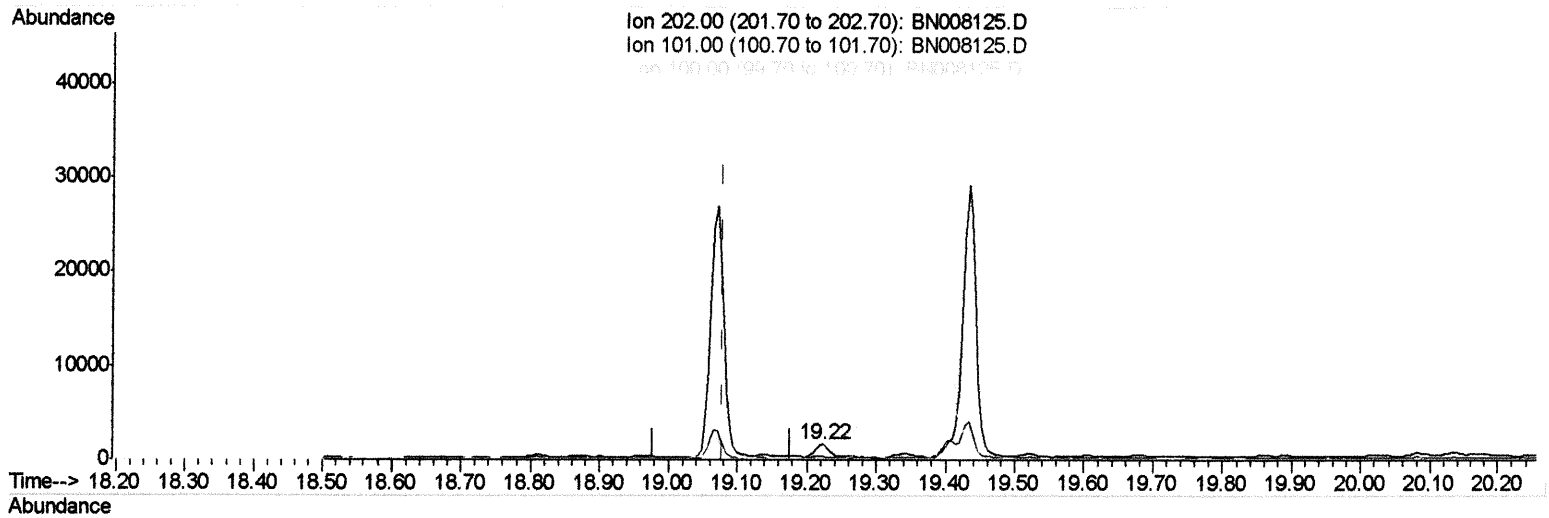
Quantitation Report (Qedit)

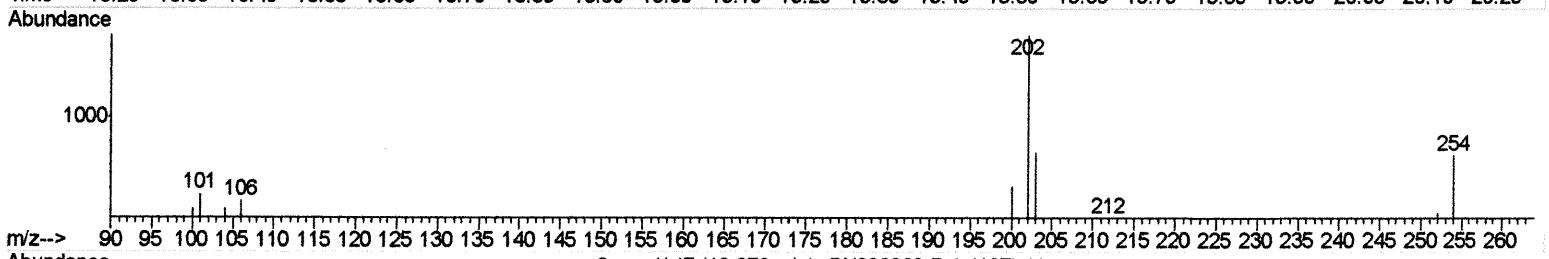
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101119\
Data File : BN008125.D
Acq On : 12 Oct 2019 23:42
Operator : JU
Sample : K5178-16
Misc :
ALS Vial : 9 Sample Multiplier: 1

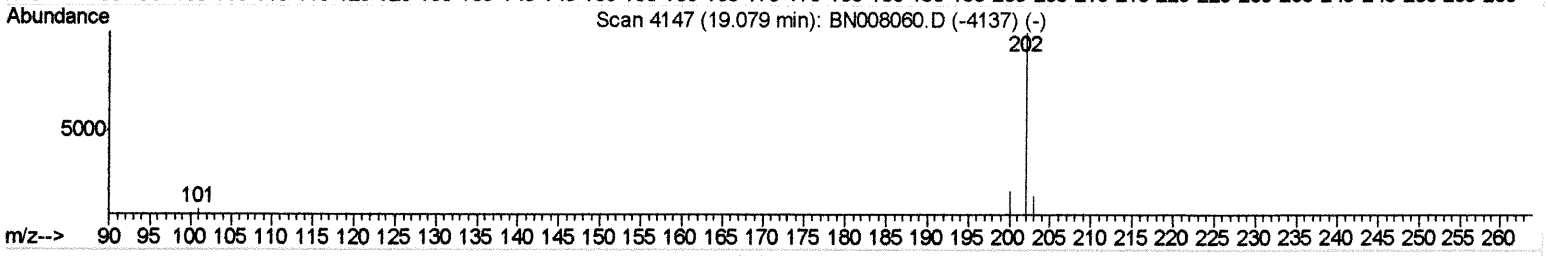
Quant Time: Oct 14 16:07:59 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
BEPD5

**Manual Integrations APPROVED**
mohammad
10/15/2019 7:59:25 AM




TIC: BN008125.D

(15) Fluoranthene (C)

19.224min (+0.145) 0.02ng/ul

response 1802

| Ion | Exp% | Act% |
|---|---|---|
| 202.00 | 100 | 100 |
| 101.00 | 11.20 | 20.28 |
| 100.00 | 8.50 | 13.38 |
| 0.00 | 0.00 | 0.00 |

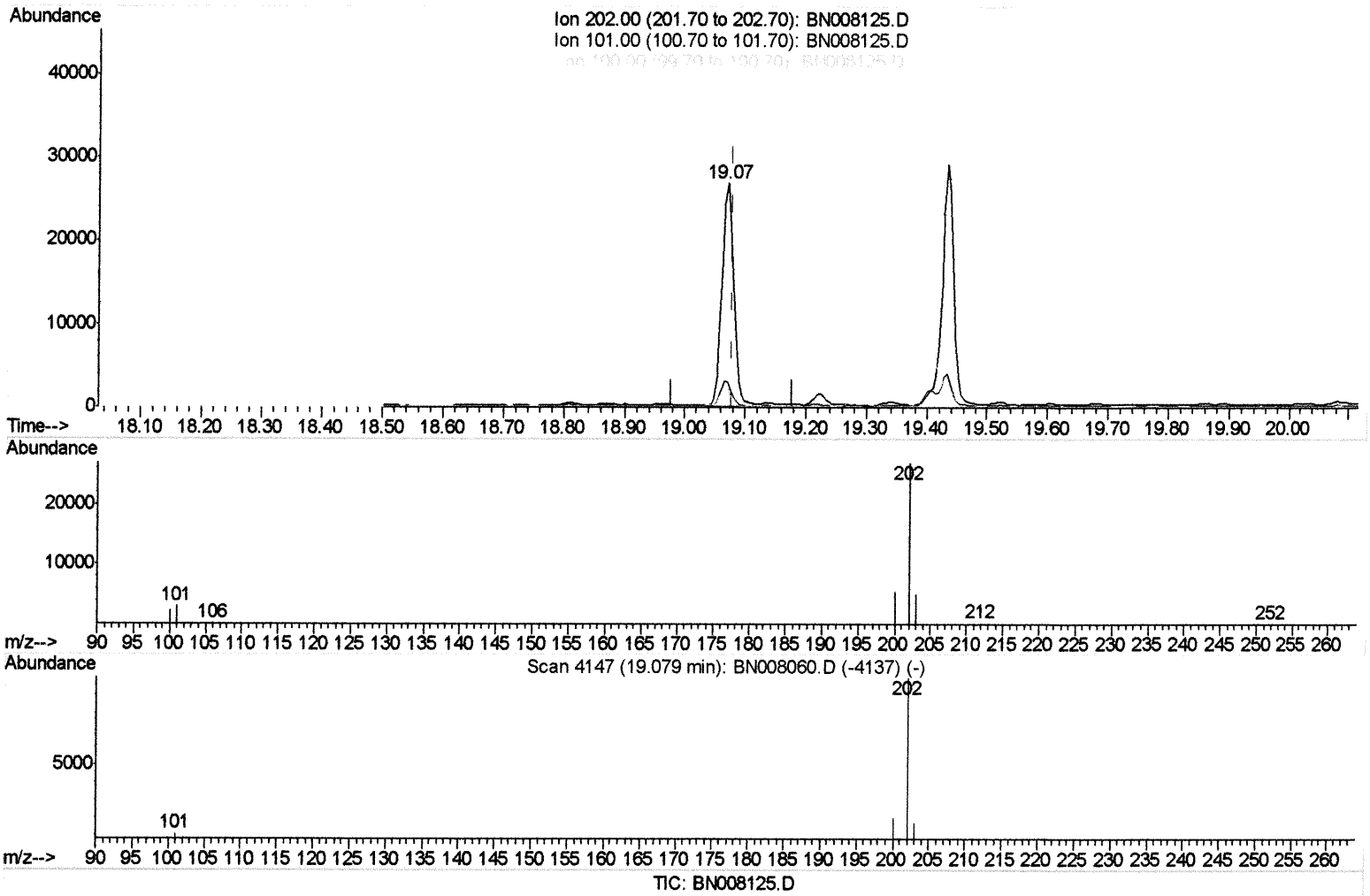
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101119\
Data File : BN008125.D
Acq On : 12 Oct 2019 23:42
Operator : JU
Sample : K5178-16
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 14 16:07:59 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 : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
BEPD5

**Manual Integrations APPROVED**
mohammad
10/15/2019 7:59:25 AM




TIC: BN008125.D

(15) Fluoranthene (C)

19.070min (-0.009) 0.43ng/ul m 24 10/16/19

response 36056

| Ion | Exp% | Act% |
|---|---|---|
| 202.00 | 100 | 100 |
| 101.00 | 11.20 | 11.38 |
| 100.00 | 8.50 | 8.48 |
| 0.00 | 0.00 | 0.00 |

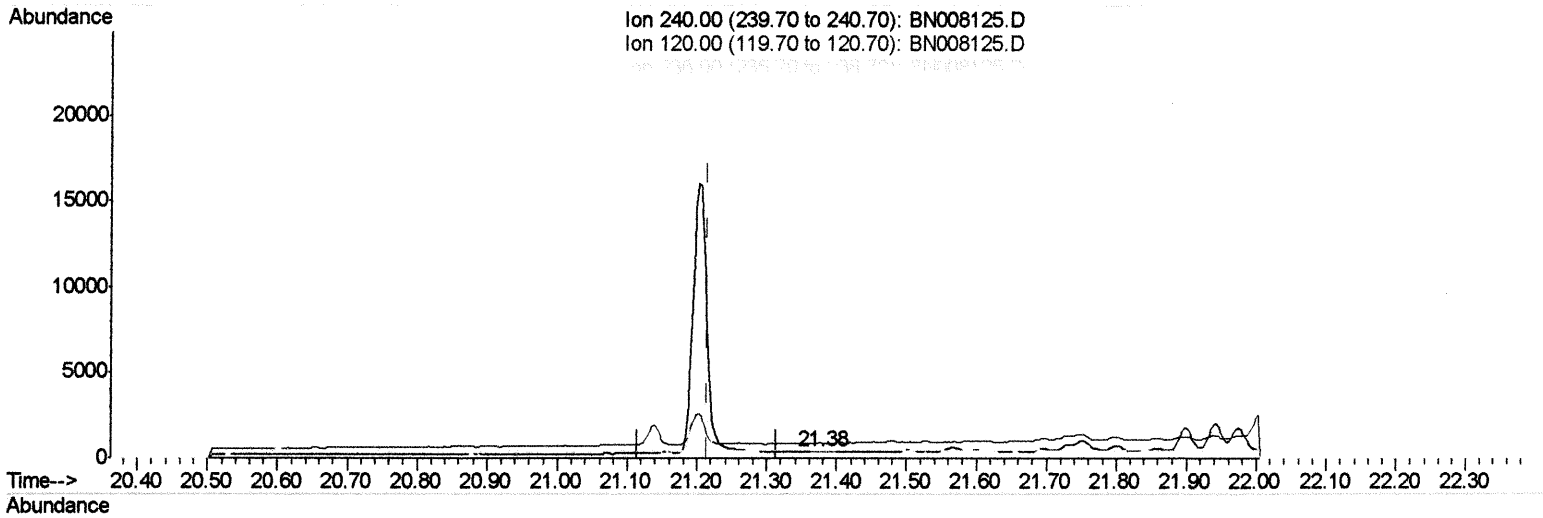
Quantitation Report (Qedit)

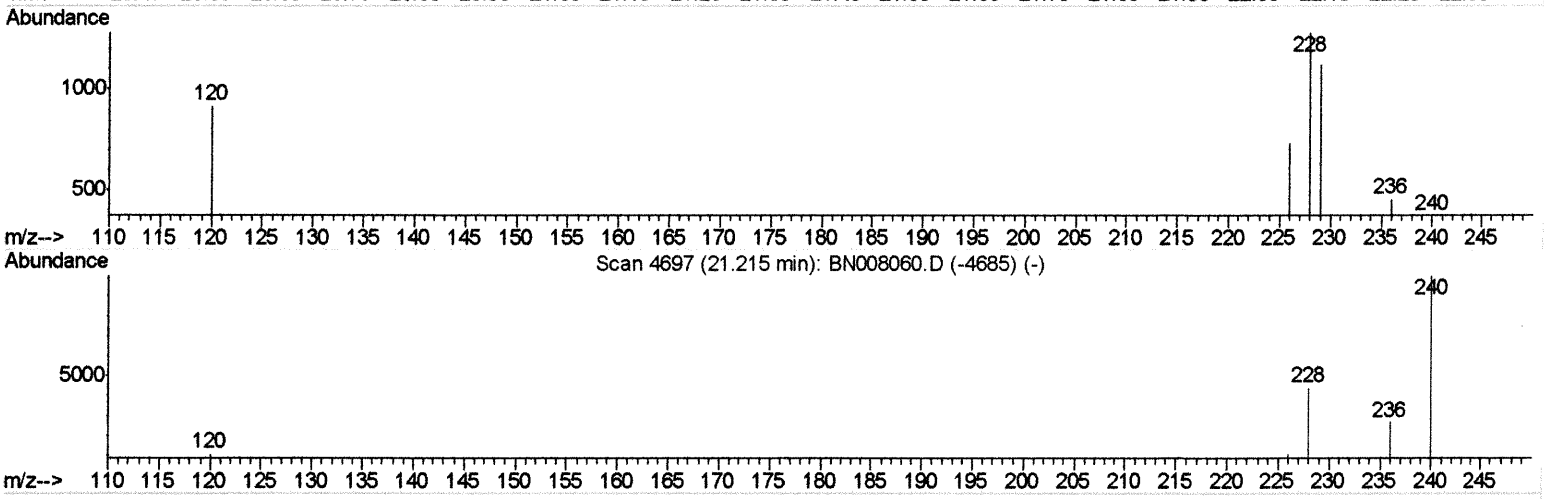
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101119\
Data File : BN008125.D
Acq On : 12 Oct 2019 23:42
Operator : JU
Sample : K5178-16
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 14 16:07:59 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 : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
BEPD5

**Manual Integrations APPROVED**
mohammad
10/15/2019 7:59:25 AM







TIC: BN008125.D

(16) Chrysene-d12 (I)

21.377min (+0.161) 0.40ng/ul

response 44

| Ion | Exp% | Act% |
|---|---|---|
| 240.00 | 100 | 100 |
| 120.00 | 14.70 | 246.51# |
| 236.00 | 28.40 | 120.70# |
| 0.00 | 0.00 | 0.00 |

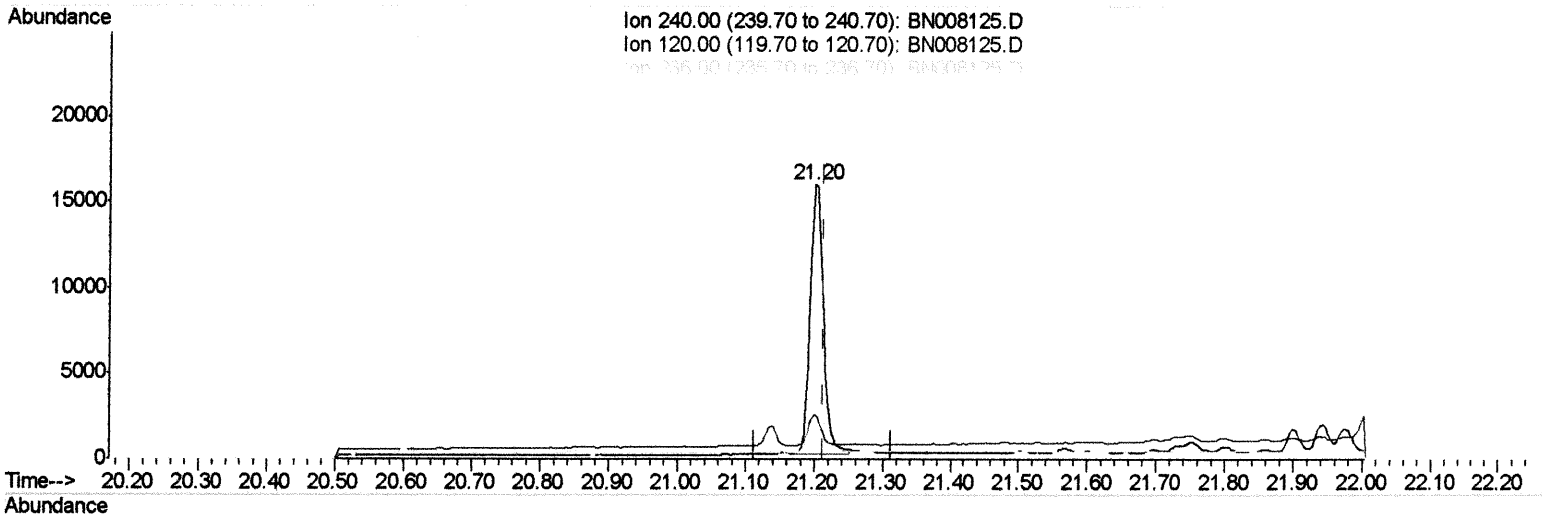
Quantitation Report (Qedit)

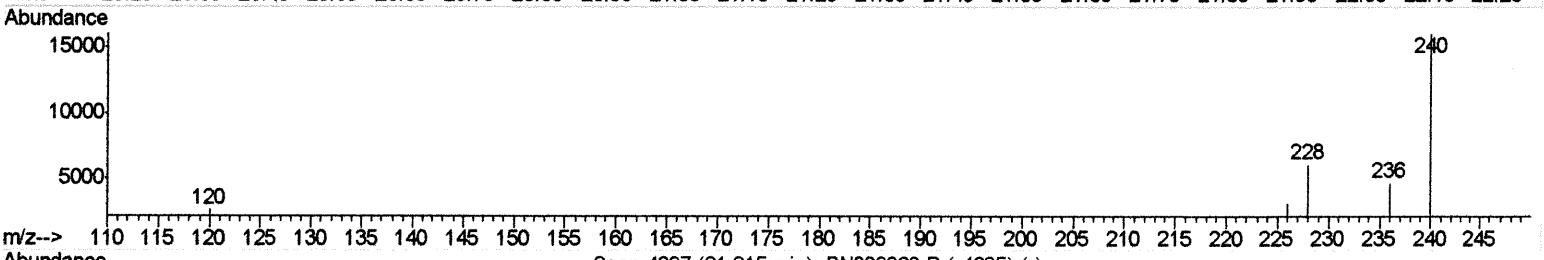
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101119\
Data File : BN008125.D
Acq On : 12 Oct 2019 23:42
Operator : JU
Sample : K5178-16
Misc :
ALS Vial : 9 Sample Multiplier: 1

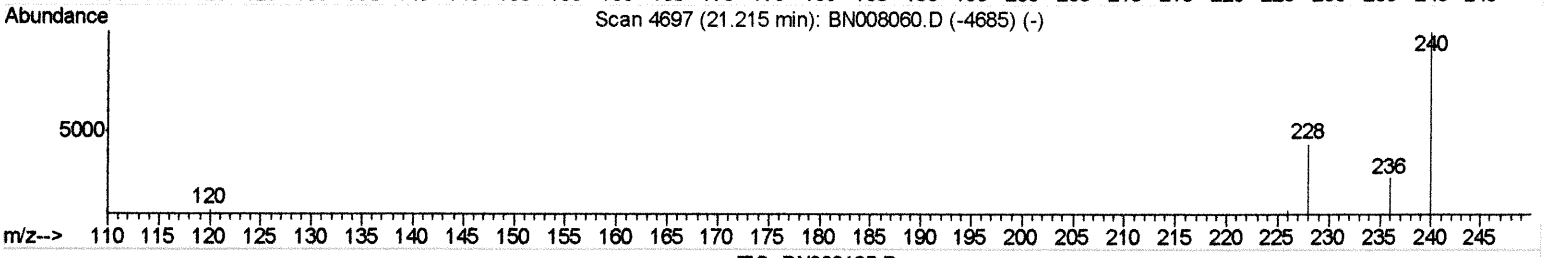
Quant Time: Oct 14 16:07:59 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
BEPD5

**Manual Integrations APPROVED**
mohammad
10/15/2019 7:59:25 AM




TIC: BN008125.D

(16) Chrysene-d12 (I)

21.201min (-0.014) 0.40ng/ul m JH 10/16/19

response 21458

| Ion | Exp% | Act% |
|---|---|---|
| 240.00 | 100 | 100 |
| 120.00 | 14.70 | 16.30 |
| 236.00 | 28.40 | 28.96 |
| 0.00 | 0.00 | 0.00 |

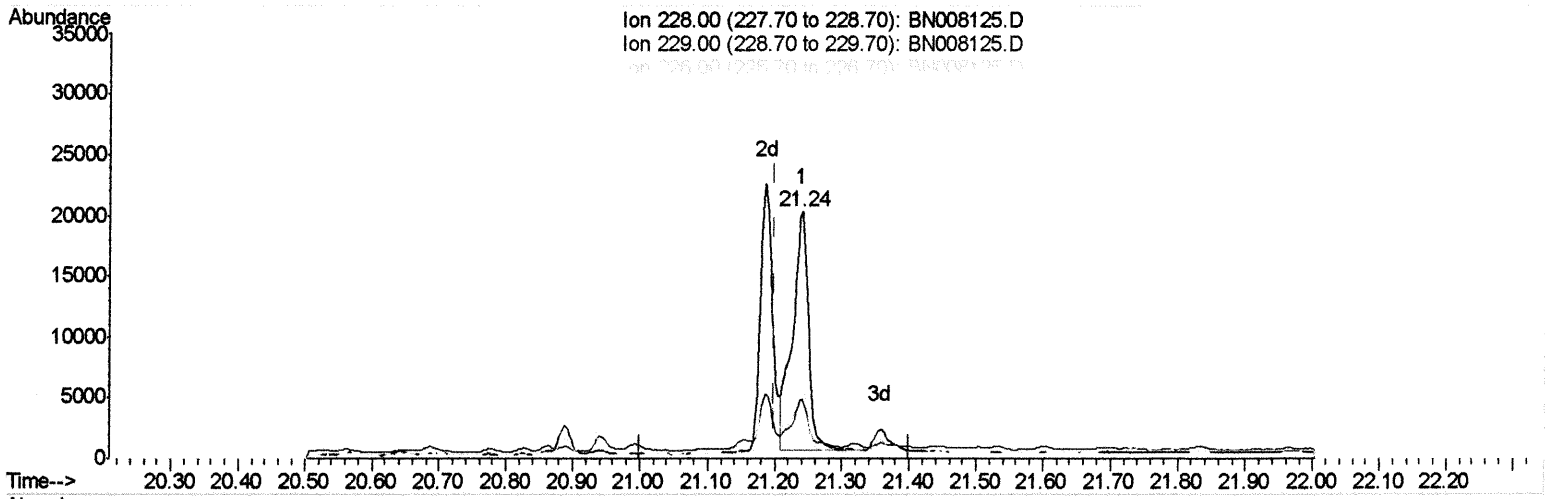
Quantitation Report (Qedit)

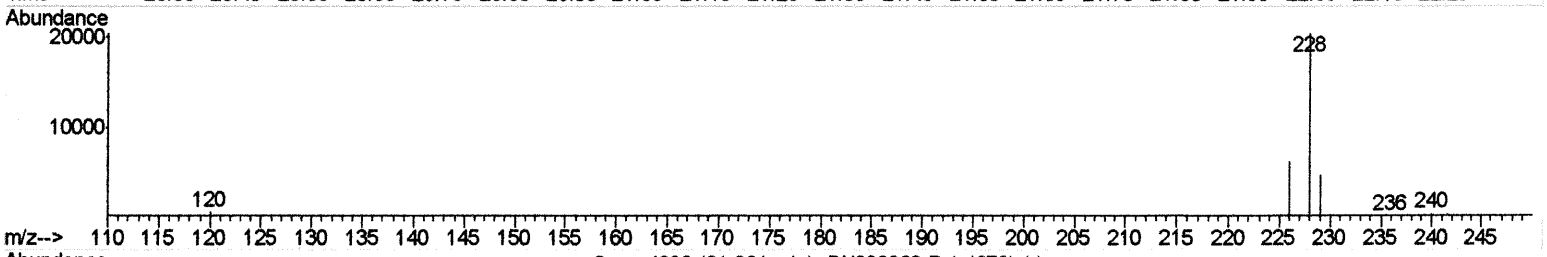
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101119\
Data File : BN008125.D
Acq On : 12 Oct 2019 23:42
Operator : JU
Sample : K5178-16
Misc :
ALS Vial : 9 Sample Multiplier: 1

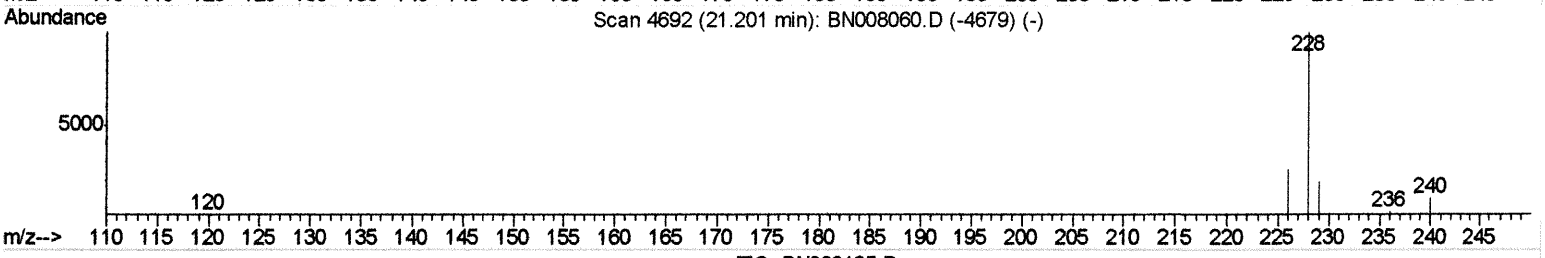
Quant Time: Oct 14 16:09:44 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
BEPD5

**Manual Integrations APPROVED**
mohammad
10/15/2019 7:59:25 AM




TIC: BN008125.D

(18) Benzo(a)anthracene

21.239min (+0.039) 0.42ng/ul

response 32690

| Ion | Exp% | Act% |
|---|---|---|
| 228.00 | 100 | 100 |
| 229.00 | 20.20 | 24.16 |
| 226.00 | 26.70 | 30.98 |
| 0.00 | 0.00 | 0.00 |

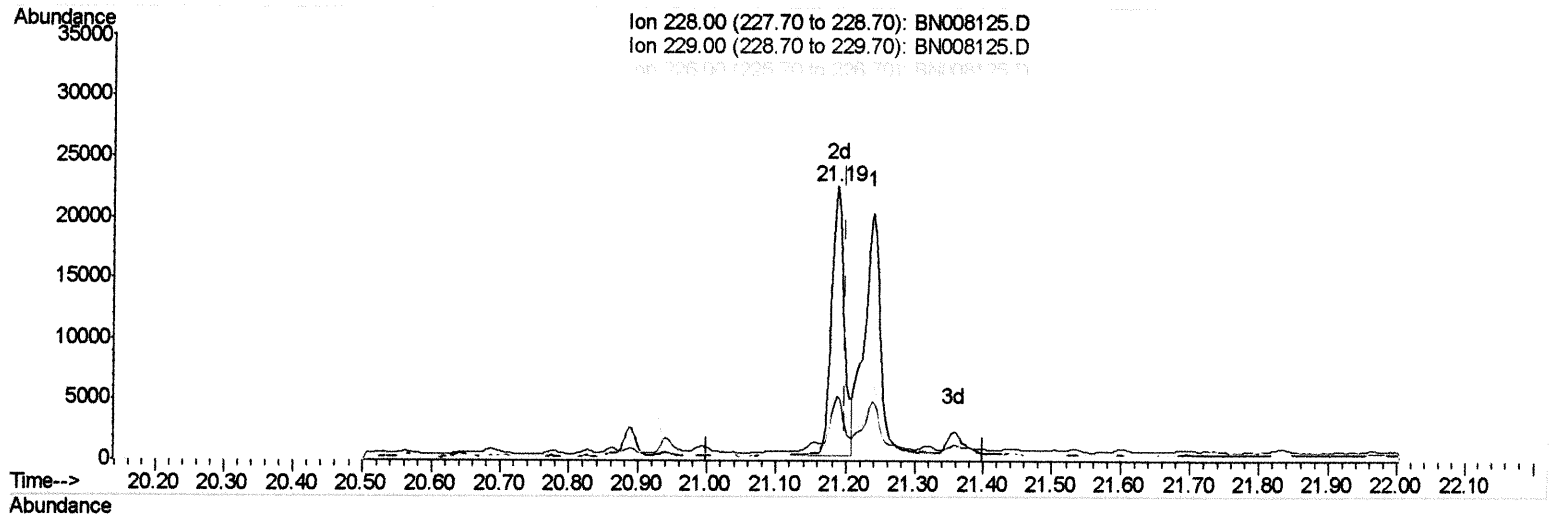
Quantitation Report (Qedit)

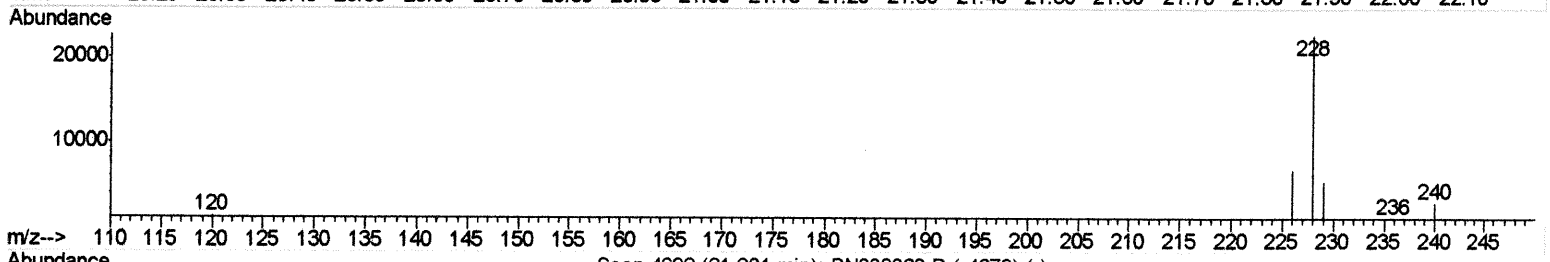
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101119\
Data File : BN008125.D
Acq On : 12 Oct 2019 23:42
Operator : JU
Sample : K5178-16
Misc :
ALS Vial : 9 Sample Multiplier: 1

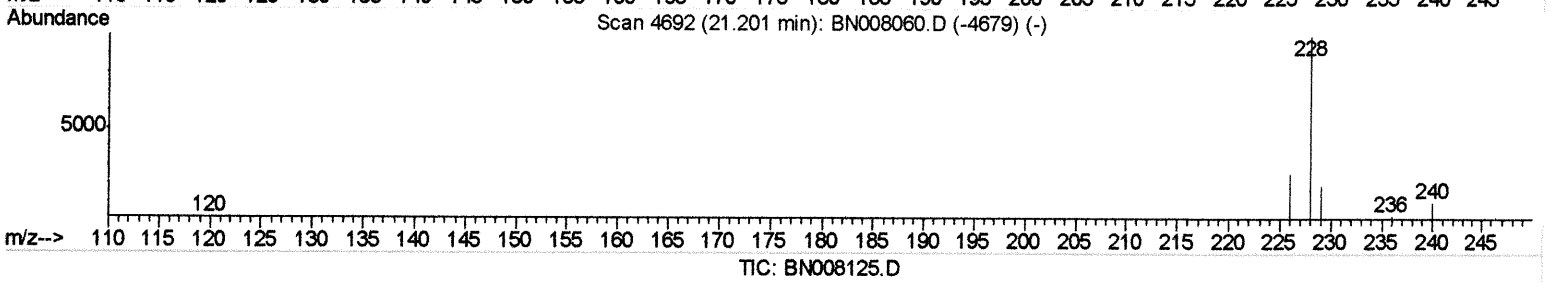
Quant Time: Oct 14 16:09:44 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
BEPD5

**Manual Integrations APPROVED**
mohammad
10/15/2019 7:59:25 AM




TIC: BN008125.D

(18) Benzo(a)anthracene

21.187min (-0.014) 0.36ng/ul m JU 10/16/19

response 28464

| Ion | Exp% | Act% |
|---|---|---|
| 228.00 | 100 | 100 |
| 229.00 | 20.20 | 23.86 |
| 226.00 | 26.70 | 29.75 |
| 0.00 | 0.00 | 0.00 |

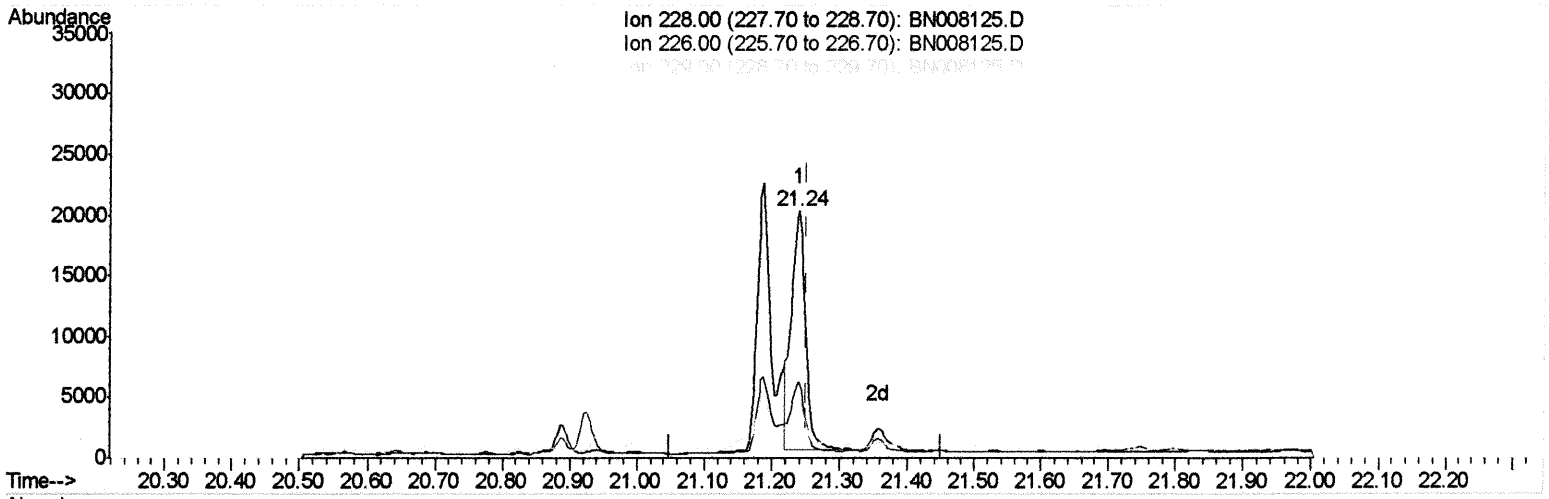
Quantitation Report (Qedit)

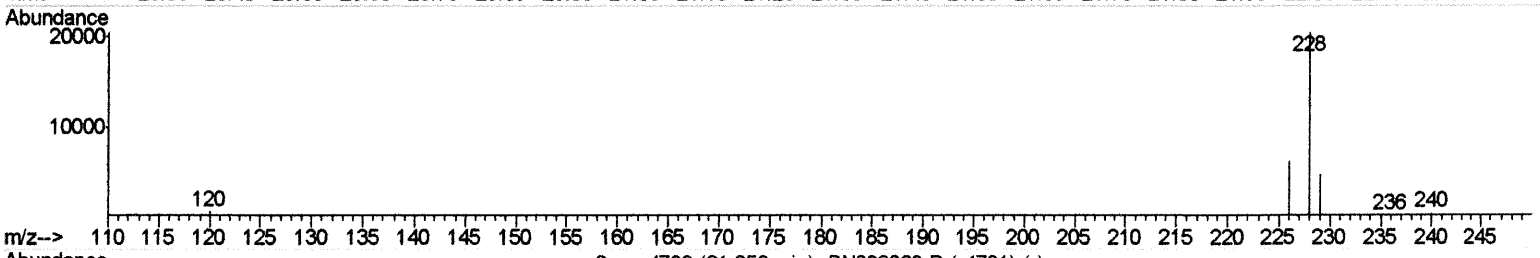
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101119\
Data File : BN008125.D
Acq On : 12 Oct 2019 23:42
Operator : JU
Sample : K5178-16
Misc :
ALS Vial : 9 Sample Multiplier: 1

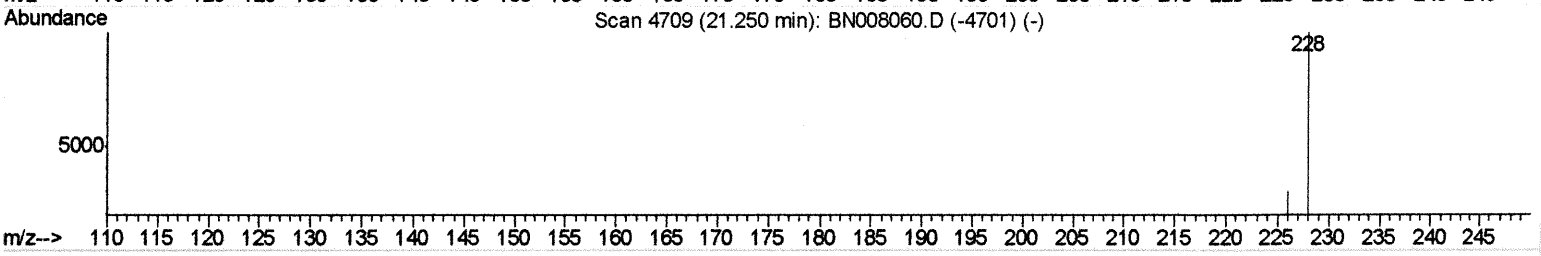
Quant Time: Oct 14 16:09:44 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
BEPD5

**Manual Integrations APPROVED**
mohammad
10/15/2019 7:59:25 AM




TIC: BN008125.D

(19) Chrysene

21.239min (-0.011) 0.29ng/ul

response 26204

| Ion | Exp% | Act% |
|---|---|---|
| 228.00 | 100 | 100 |
| 226.00 | 30.10 | 30.98 |
| 229.00 | 20.20 | 24.16 |
| 0.00 | 0.00 | 0.00 |

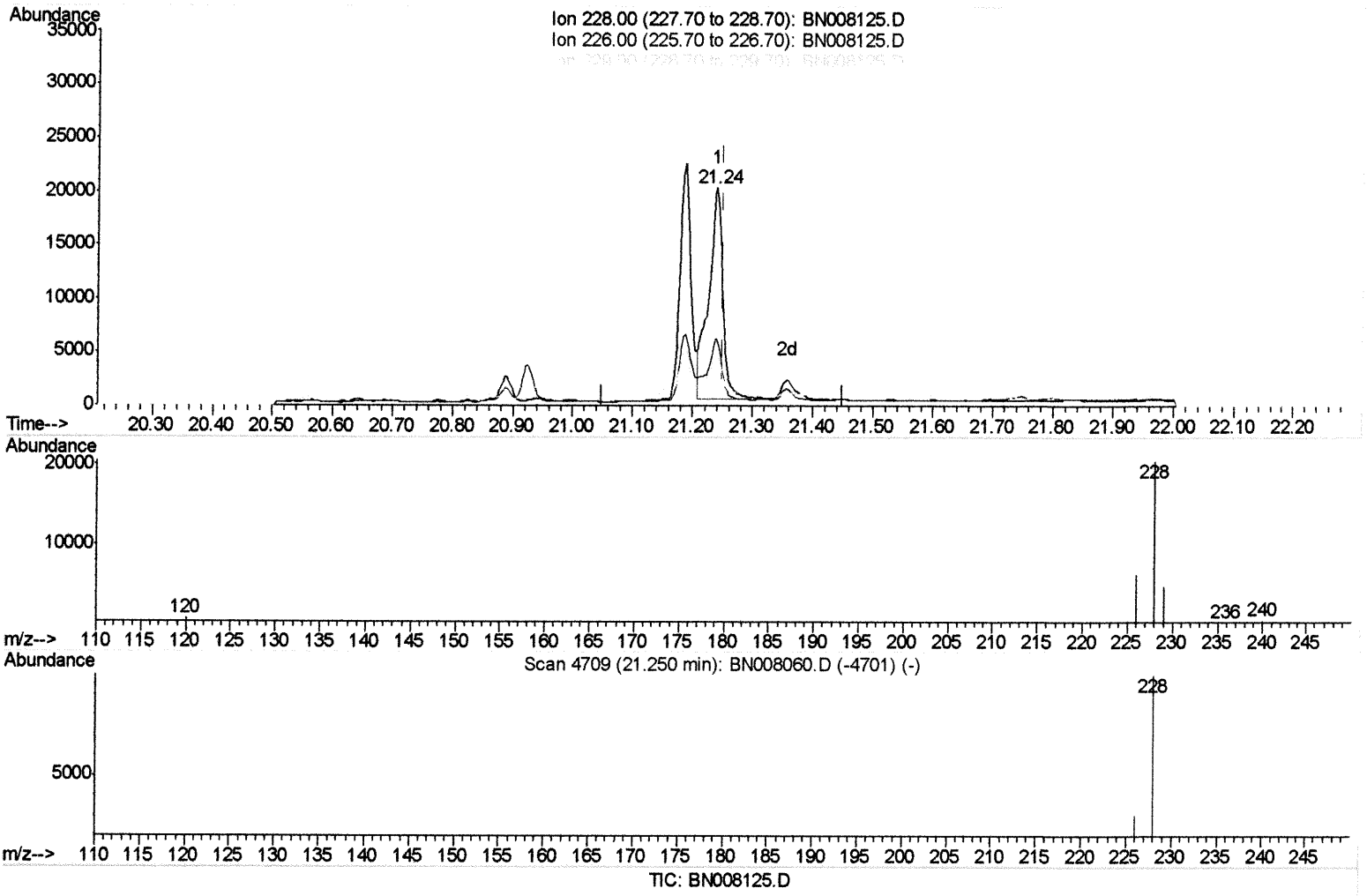
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101119\
Data File : BN008125.D
Acq On : 12 Oct 2019 23:42
Operator : JU
Sample : K5178-16
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 14 16:09:44 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 : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
BEPD5

**Manual Integrations APPROVED**
mohammad
10/15/2019 7:59:25 AM




(19) Chrysene

21.239min (-0.011) 0.34ng/ul m JU 10/16/19

response 32839

| Ion | Exp% | Act% |
|---|---|---|
| 228.00 | 100 | 100 |
| 226.00 | 30.10 | 30.98 |
| 229.00 | 20.20 | 24.16 |
| 0.00 | 0.00 | 0.00 |

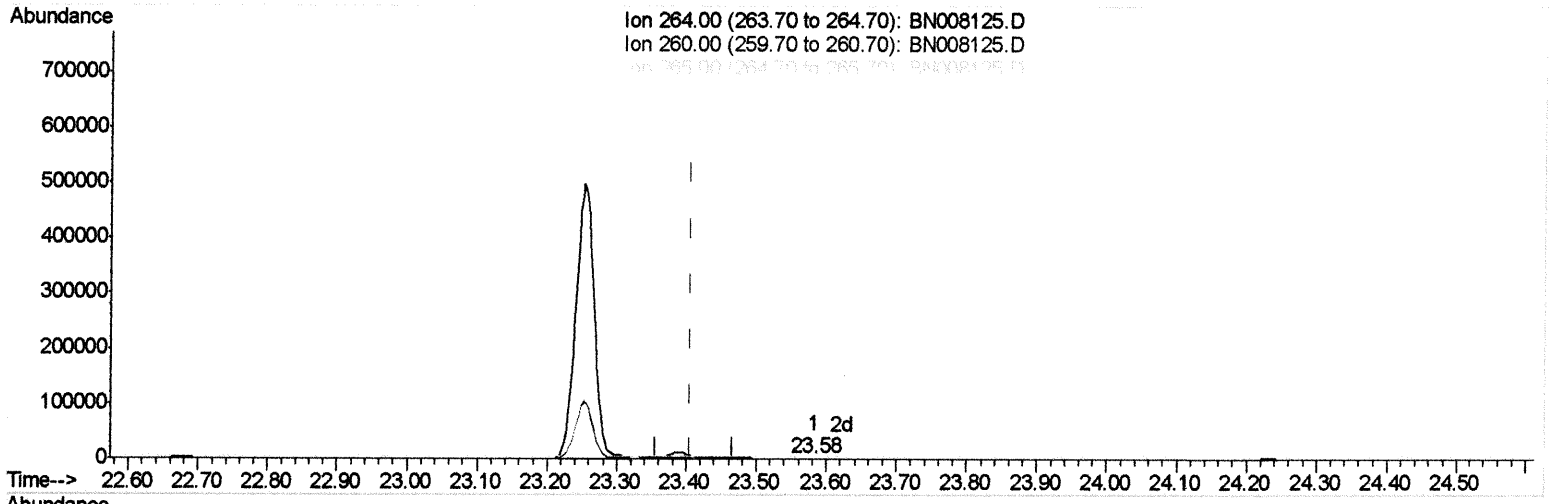
Quantitation Report (Qedit)

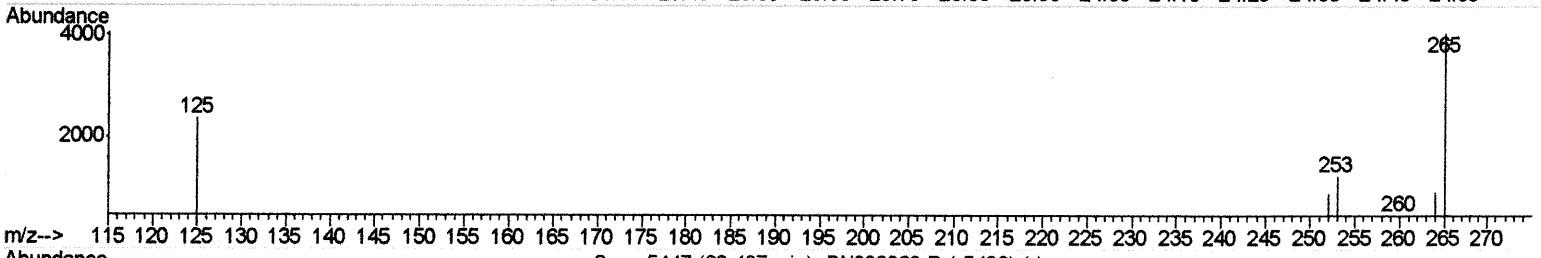
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101119\
Data File : BN008125.D
Acq On : 12 Oct 2019 23:42
Operator : JU
Sample : K5178-16
Misc :
ALS Vial : 9 Sample Multiplier: 1

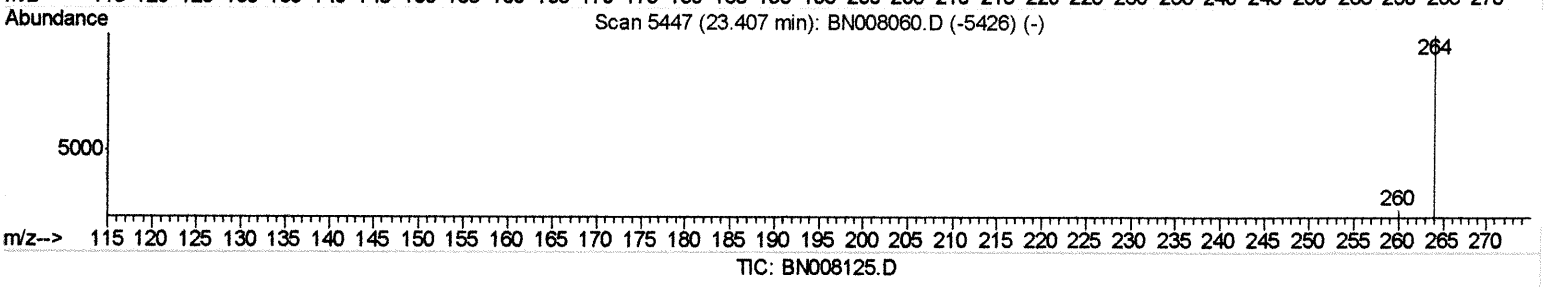
Quant Time: Oct 14 16:09:44 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
BEPD5

**Manual Integrations APPROVED**
mohammad
10/15/2019 7:59:25 AM




(20) Perylene-d12 (I)

23.583min (+0.176) 0.40ng/ul

response 66

| Ion | Exp% | Act% |
|---|---|---|
| 264.00 | 100 | 100 |
| 260.00 | 25.60 | 52.08# |
| 265.00 | 74.00 | 442.67# |
| 0.00 | 0.00 | 0.00 |

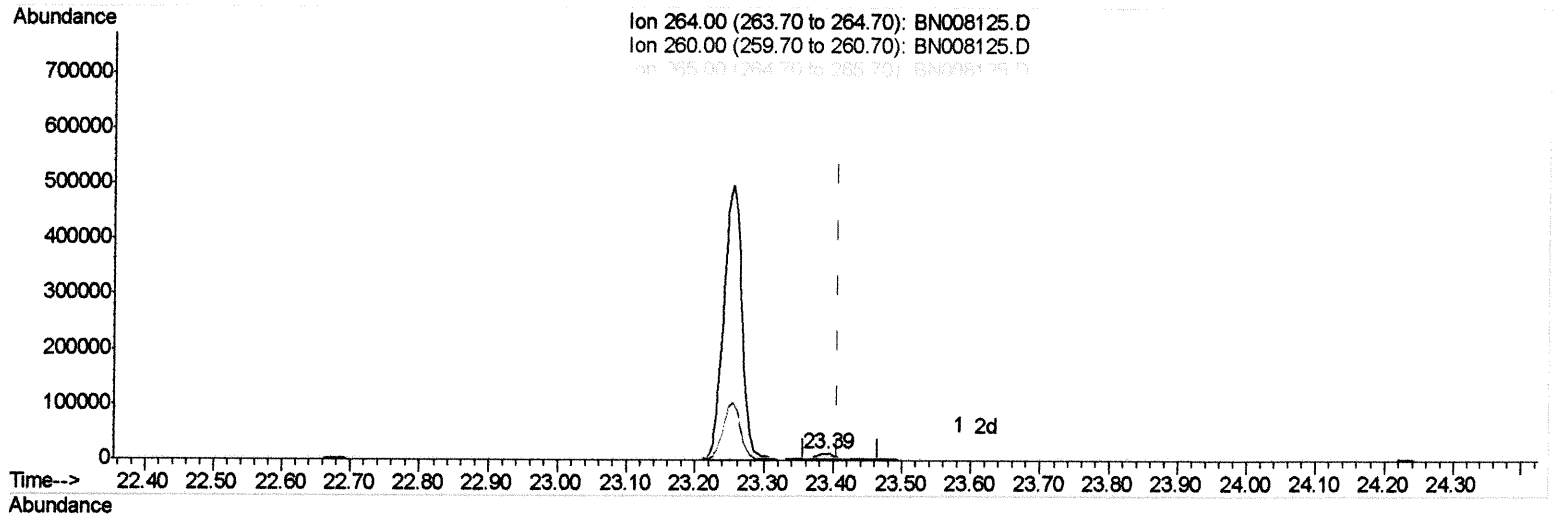
Quantitation Report (Qedit)

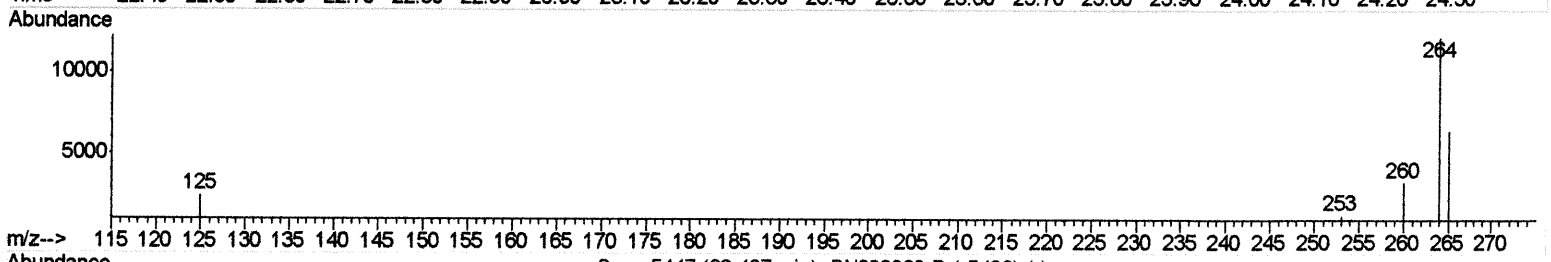
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101119\
Data File : BN008125.D
Acq On : 12 Oct 2019 23:42
Operator : JU
Sample : K5178-16
Misc :
ALS Vial : 9 Sample Multiplier: 1

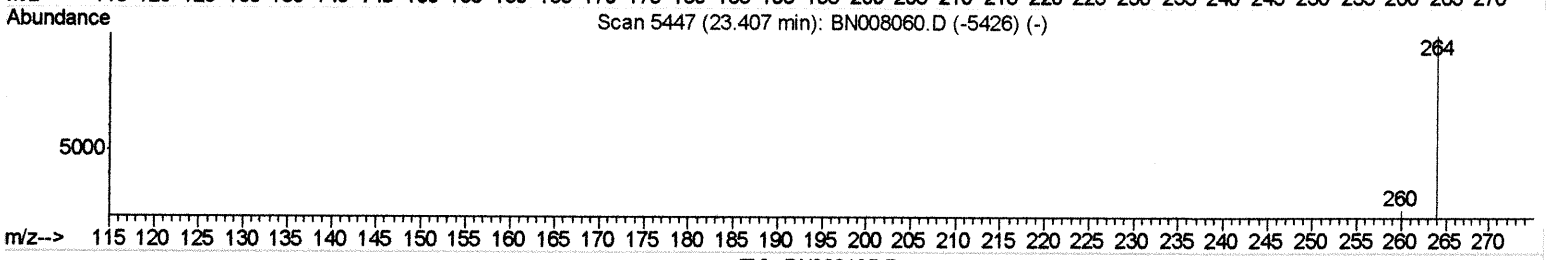
Quant Time: Oct 14 16:09:44 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
BEPD5

**Manual Integrations APPROVED**
mohammad
10/15/2019 7:59:25 AM




TIC: BN008125.D

(20) Perylene-d12 (I)

23.390min (-0.017) 0.40ng/ul m JU 10/16/19

response 17110

| Ion | Exp% | Act% |
|---|---|---|
| 264.00 | 100 | 100 |
| 260.00 | 25.60 | 26.44 |
| 265.00 | 74.00 | 52.66# |
| 0.00 | 0.00 | 0.00 |

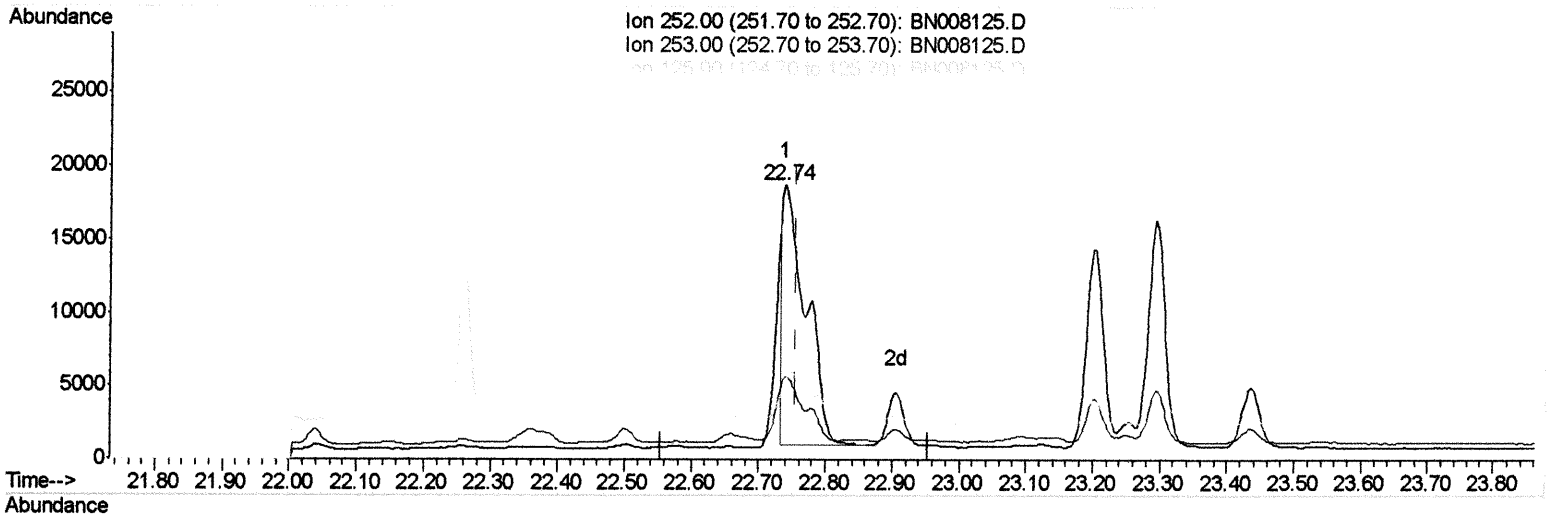
Quantitation Report (Qedit)

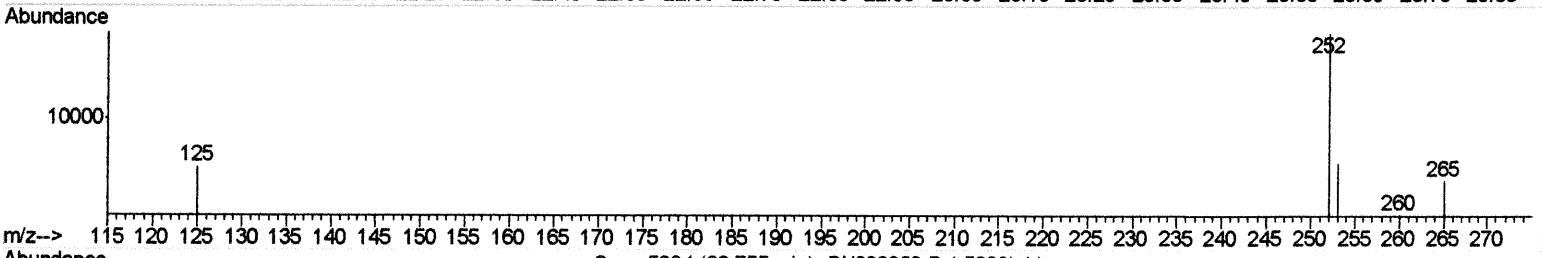
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101119\
Data File : BN008125.D
Acq On : 12 Oct 2019 23:42
Operator : JU
Sample : K5178-16
Misc :
ALS Vial : 9 Sample Multiplier: 1

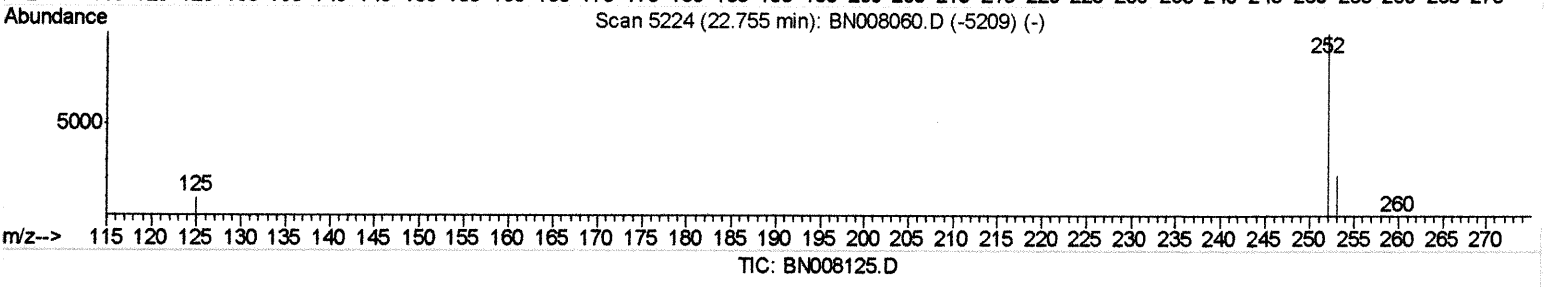
Quant Time: Oct 14 16:10:51 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
BEPD5

**Manual Integrations APPROVED**
mohammad
10/15/2019 7:59:25 AM




TIC: BN008125.D

(21) Benzo(b)fluoranthene

22.738min (-0.017) 0.76ng/ul

response 42407

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 26.70 | 30.34 |
| 125.00 | 16.20 | 27.62 |
| 0.00 | 0.00 | 0.00 |

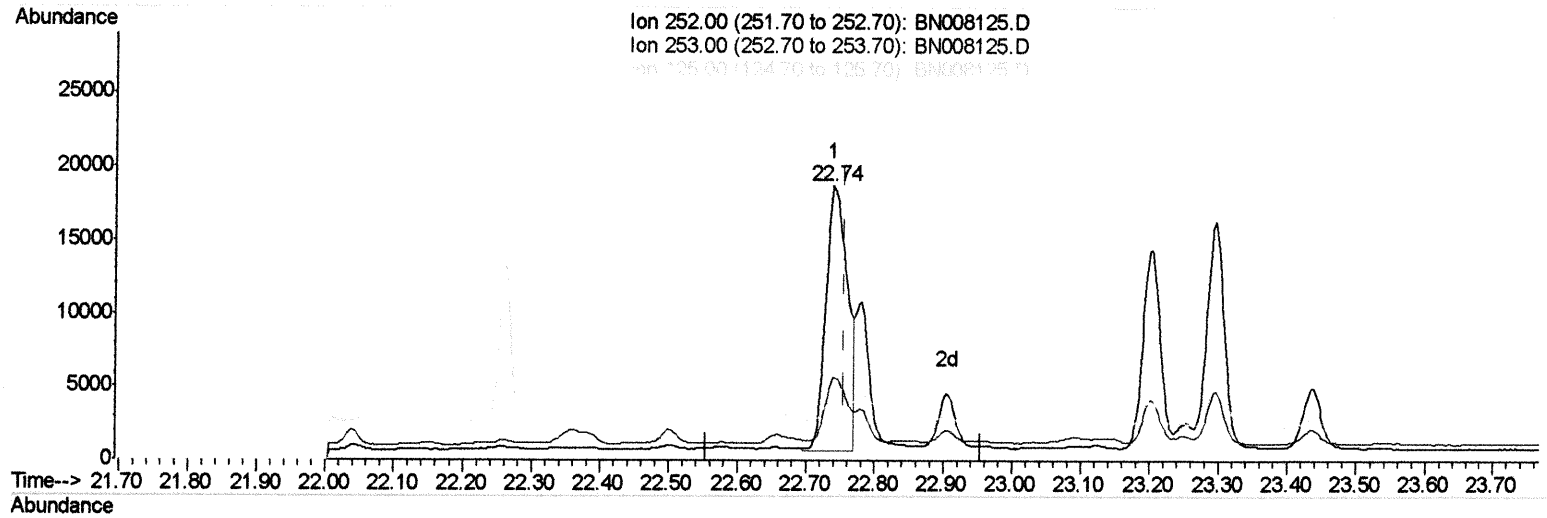
Quantitation Report (Qedit)

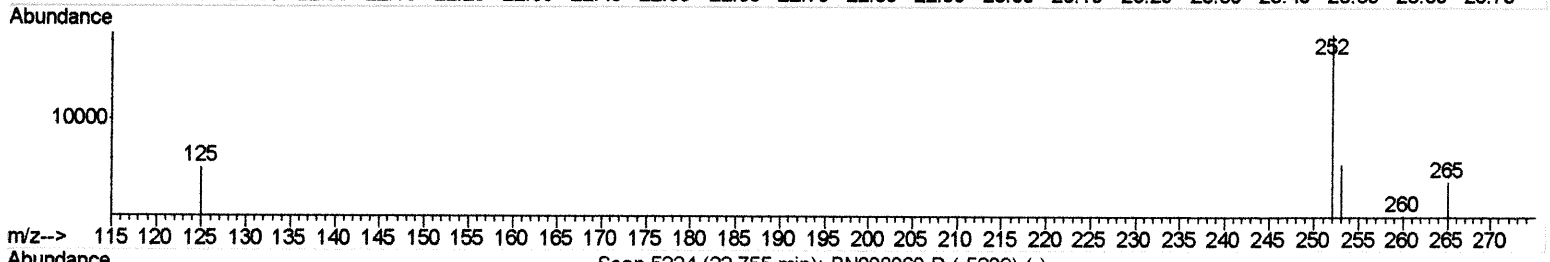
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101119\
Data File : BN008125.D
Acq On : 12 Oct 2019 23:42
Operator : JU
Sample : K5178-16
Misc :
ALS Vial : 9 Sample Multiplier: 1

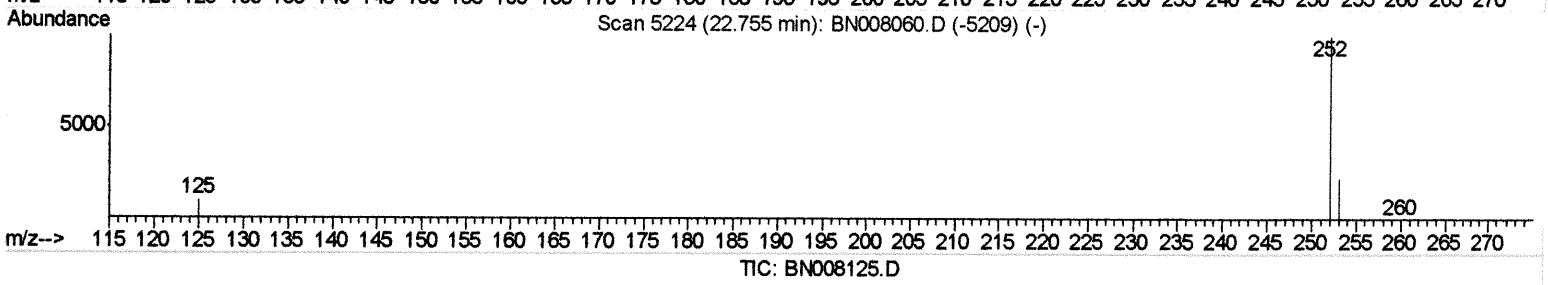
Quant Time: Oct 14 16:10:51 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
BEPD5

**Manual Integrations APPROVED**
mohammad
10/15/2019 7:59:25 AM




TIC: BN008125.D

(21) Benzo(b)fluoranthene

22.738min (-0.017) 0.70ng/ul m JU 10/16/19

response 39212

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 26.70 | 30.34 |
| 125.00 | 16.20 | 27.62 |
| 0.00 | 0.00 | 0.00 |

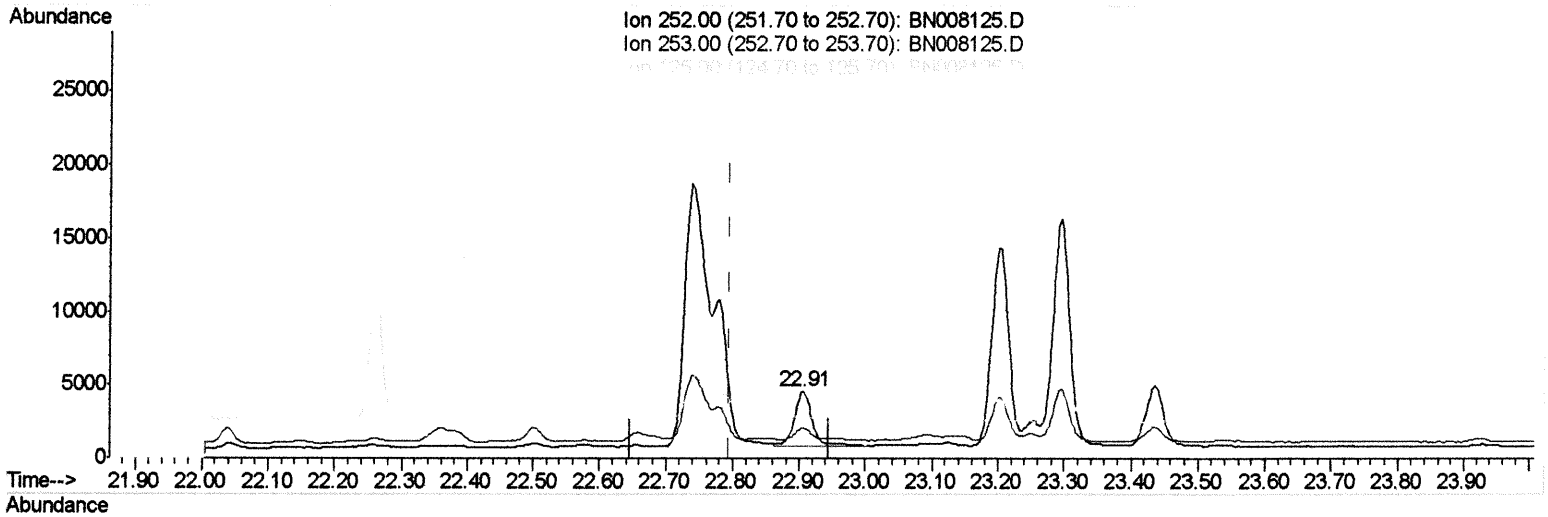
Quantitation Report (Qedit)

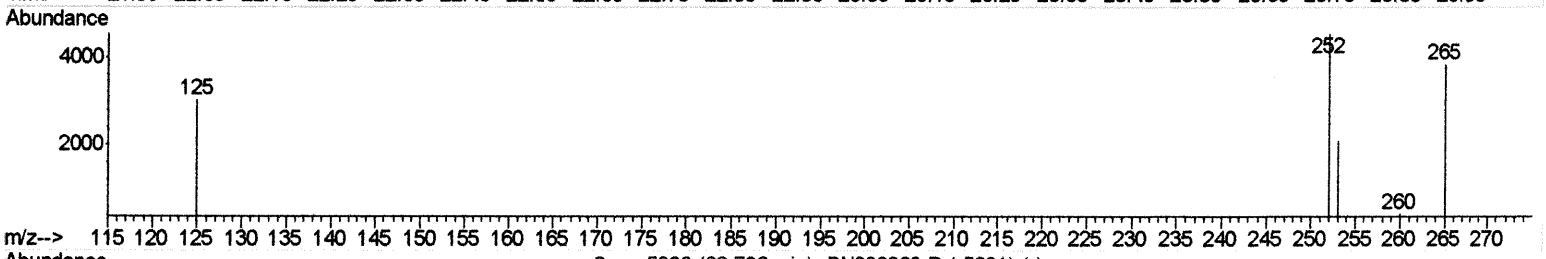
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101119\
Data File : BN008125.D
Acq On : 12 Oct 2019 23:42
Operator : JU
Sample : K5178-16
Misc :
ALS Vial : 9 Sample Multiplier: 1

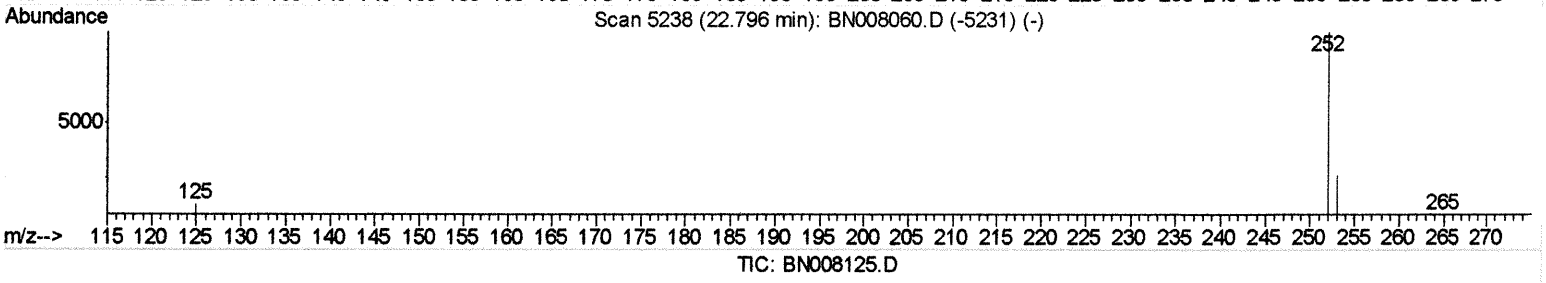
Quant Time: Oct 14 16:10:51 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
BEPD5

**Manual Integrations APPROVED**
mohammad
10/15/2019 7:59:25 AM




(22) Benzo(k)fluoranthene

22.905min (+0.109) 0.11ng/ul

response 6745

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 26.60 | 45.49# |
| 125.00 | 15.40 | 66.44# |
| 0.00 | 0.00 | 0.00 |

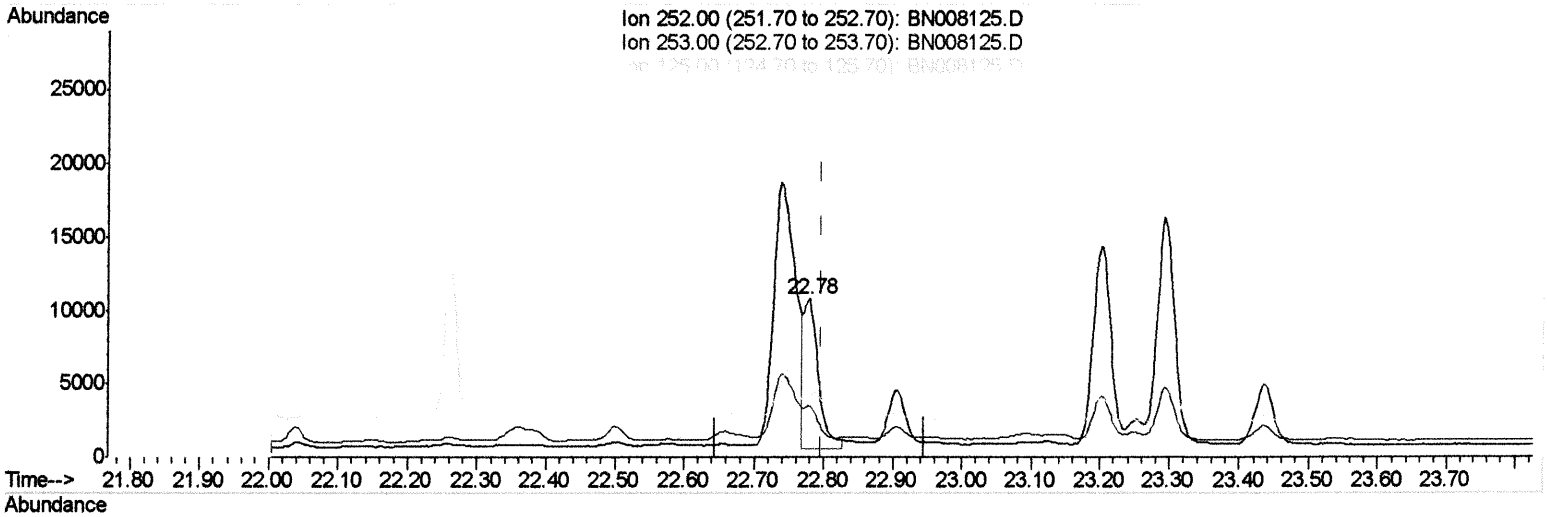
Quantitation Report (Qedit)

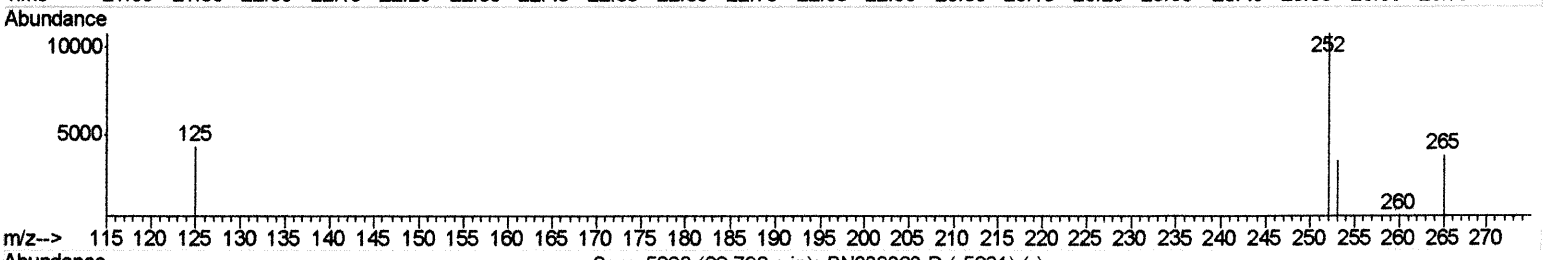
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101119\
Data File : BN008125.D
Acq On : 12 Oct 2019 23:42
Operator : JU
Sample : K5178-16
Misc :
ALS Vial : 9 Sample Multiplier: 1

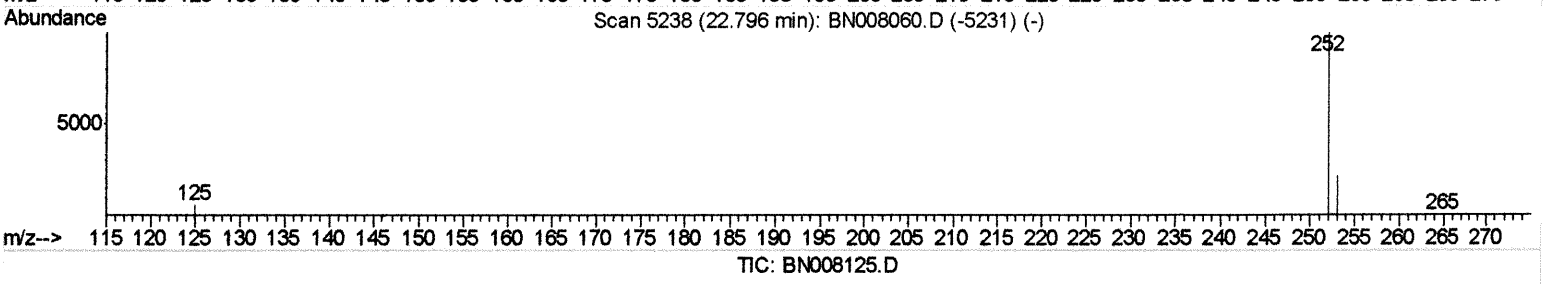
Quant Time: Oct 14 16:10:51 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
BEPD5

**Manual Integrations APPROVED**
mohammad
10/15/2019 7:59:25 AM




TIC: BN008125.D

(22) Benzo(k)fluoranthene

22.779min (-0.017) 0.24ng/ul m JU 10/16/19

response 15028

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 26.60 | 32.67# |
| 125.00 | 15.40 | 39.70# |
| 0.00 | 0.00 | 0.00 |

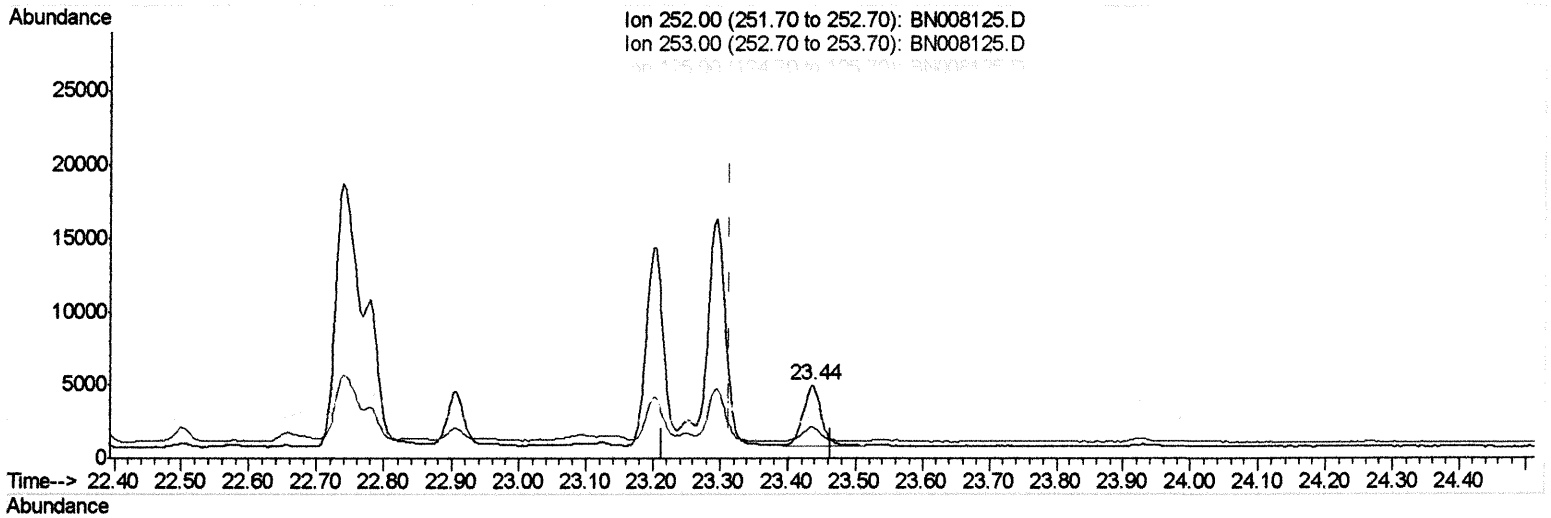
Quantitation Report (Qedit)

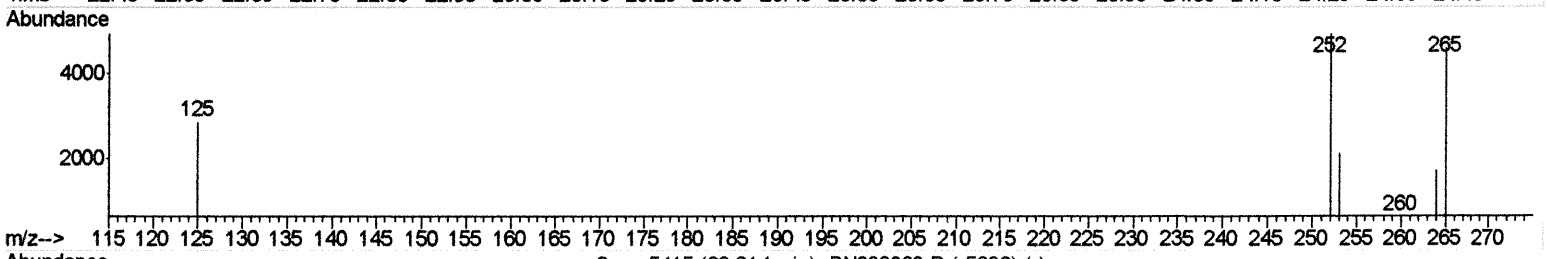
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101119\
Data File : BN008125.D
Acq On : 12 Oct 2019 23:42
Operator : JU
Sample : K5178-16
Misc :
ALS Vial : 9 Sample Multiplier: 1

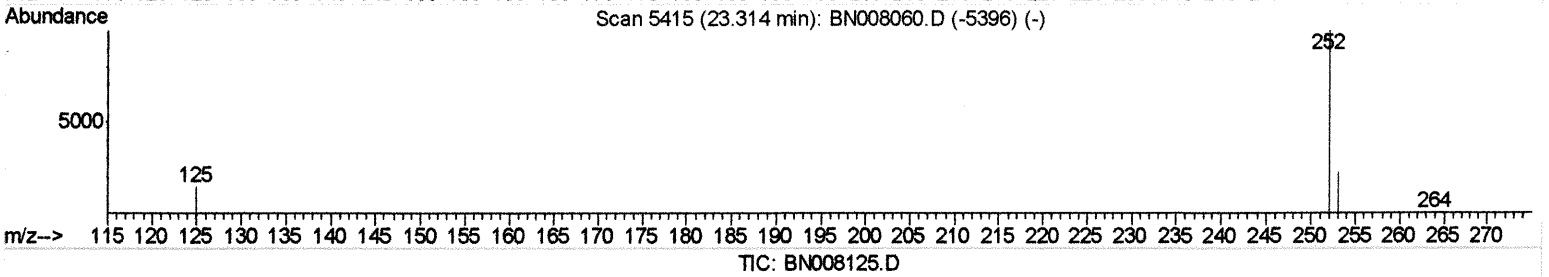
Quant Time: Oct 14 16:10:51 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
BEPD5

**Manual Integrations APPROVED**
mohammad
10/15/2019 7:59:25 AM




TIC: BN008125.D

(23) Benzo(a)pyrene (C)

23.437min (+0.123) 0.13ng/ul

response 7707

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 28.50 | 42.51# |
| 125.00 | 23.00 | 57.76# |
| 0.00 | 0.00 | 0.00 |

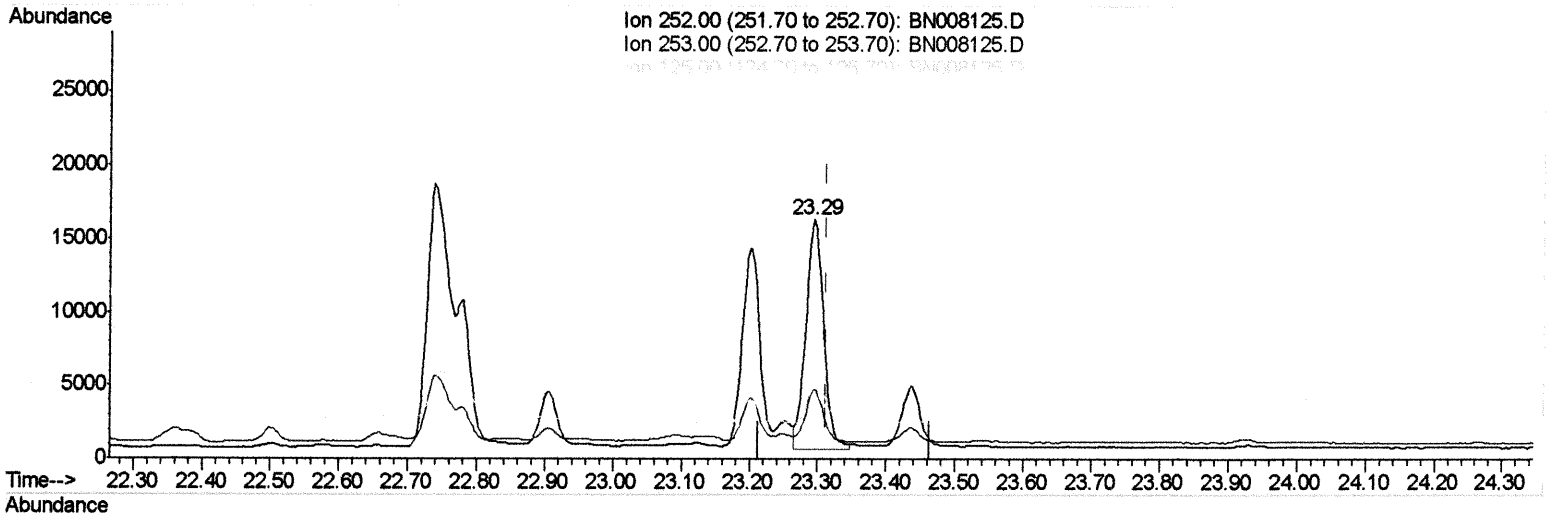
Quantitation Report (Qedit)

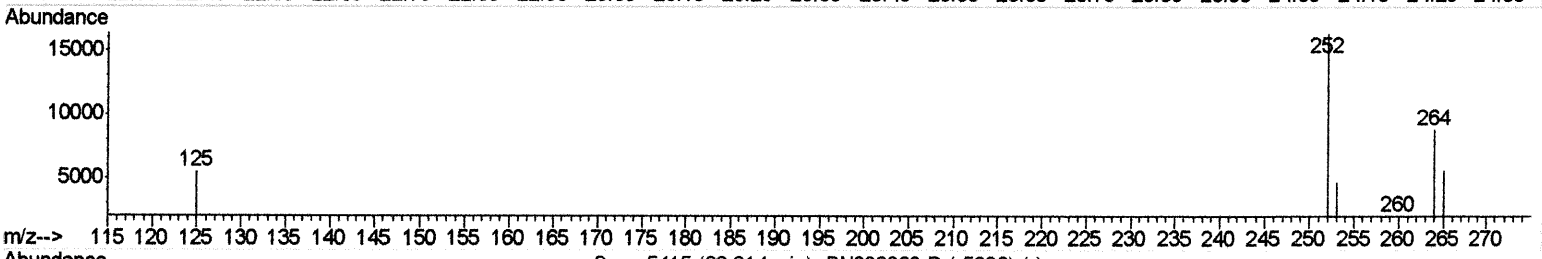
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101119\
Data File : BN008125.D
Acq On : 12 Oct 2019 23:42
Operator : JU
Sample : K5178-16
Misc :
ALS Vial : 9 Sample Multiplier: 1

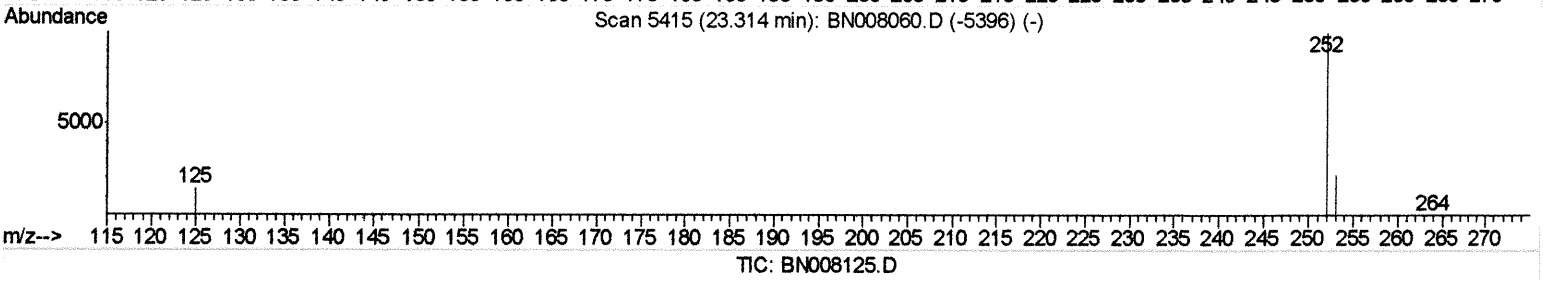
Quant Time: Oct 14 16:10:51 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
BEPD5

**Manual Integrations APPROVED**
mohammad
10/15/2019 7:59:25 AM




TIC: BN008125.D

(23) Benzo(a)pyrene (C)

23.294min (-0.020) 0.49ng/ul m JU 10/16/19

response 28445

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 28.50 | 29.05 |
| 125.00 | 23.00 | 33.35# |
| 0.00 | 0.00 | 0.00 |

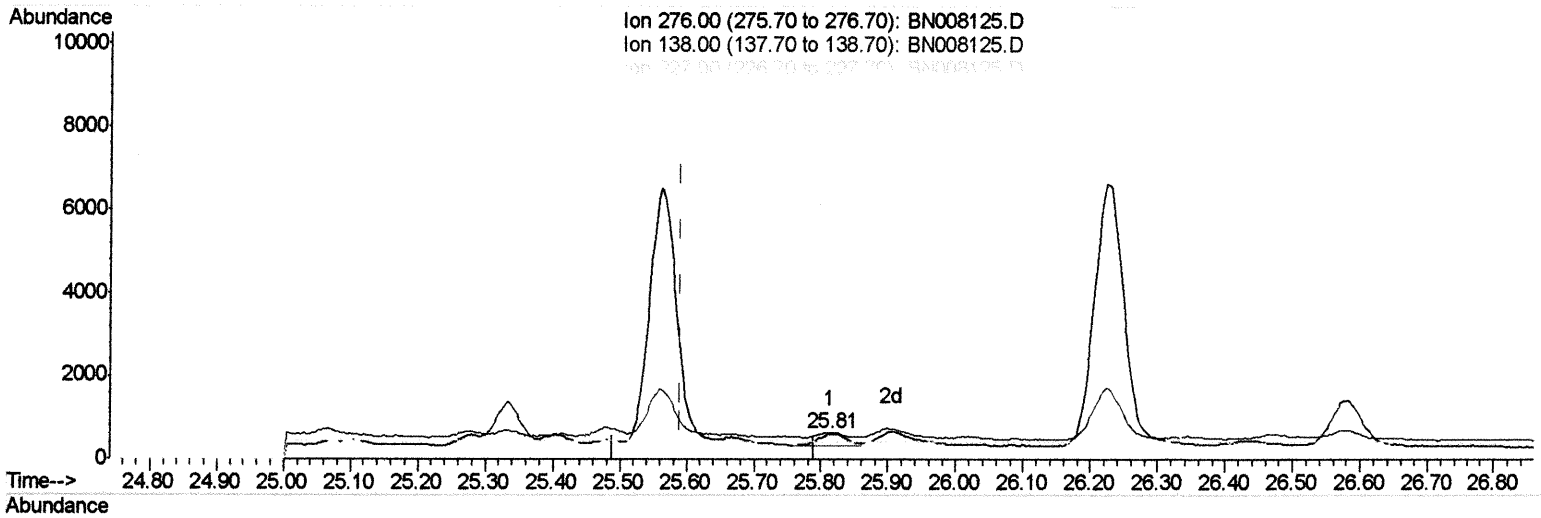
Quantitation Report (Qedit)

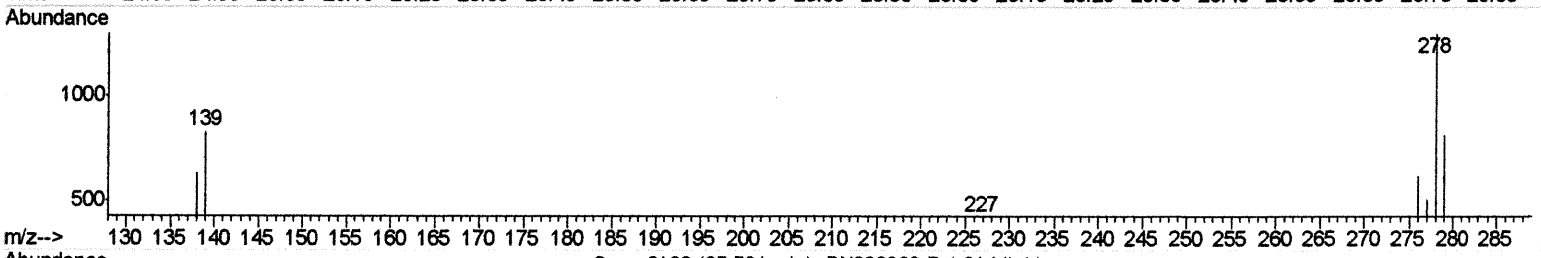
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101119\
Data File : BN008125.D
Acq On : 12 Oct 2019 23:42
Operator : JU
Sample : K5178-16
Misc :
ALS Vial : 9 Sample Multiplier: 1

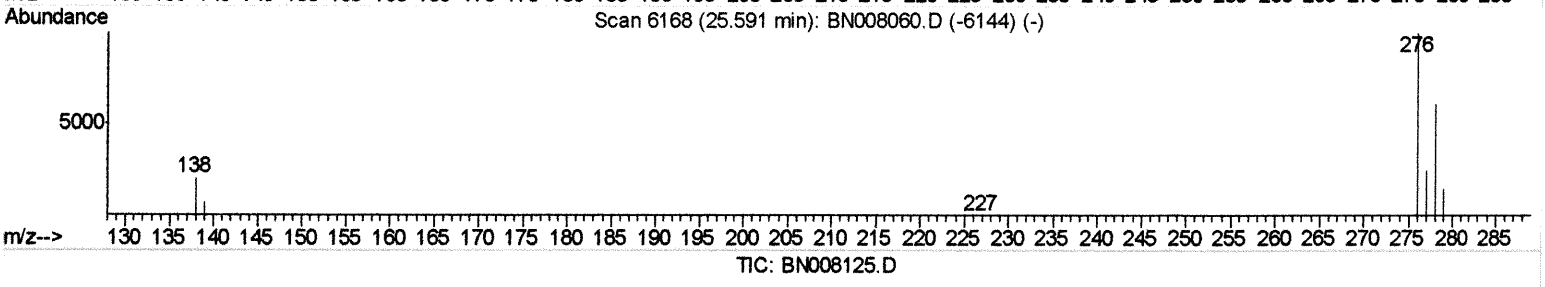
Quant Time: Oct 14 16:10:51 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
BEPD5

**Manual Integrations APPROVED**
mohammad
10/15/2019 7:59:25 AM




TIC: BN008125.D

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

25.813min (+0.222) 0.01ng/ul

response 792

| Ion | Exp% | Act% |
|---|---|---|
| 276.00 | 100 | 100 |
| 138.00 | 20.10 | 36.36# |
| 227.00 | 0.20 | 1.64# |
| 0.00 | 0.00 | 0.00 |

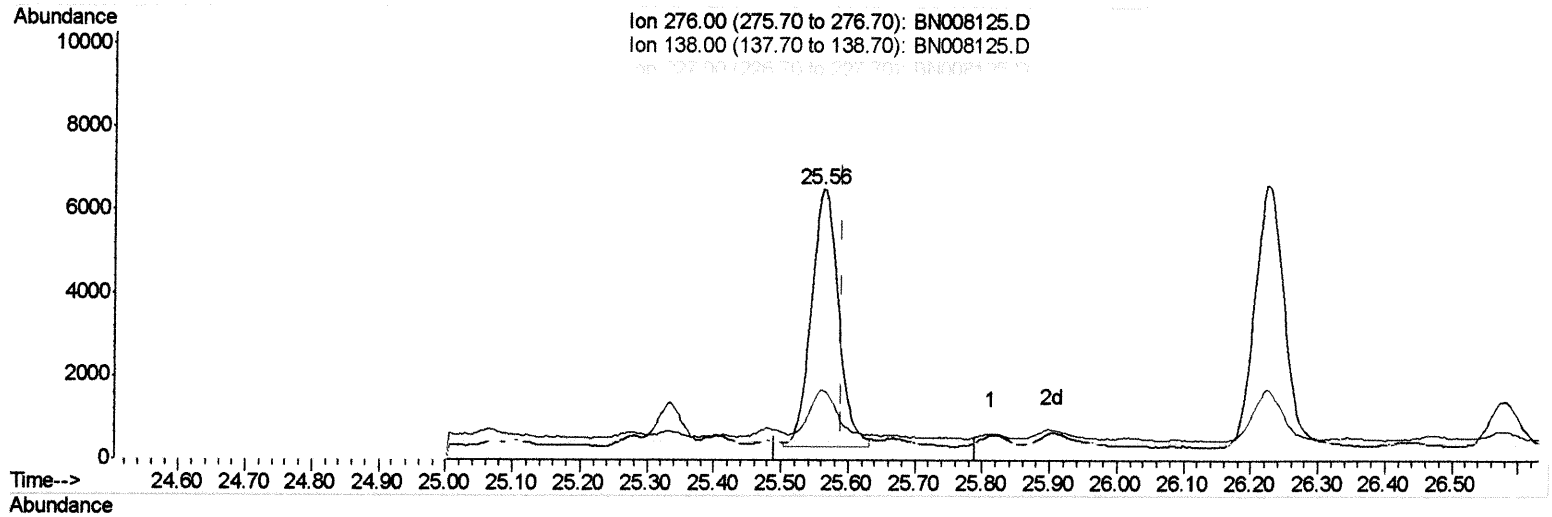
Quantitation Report (Qedit)

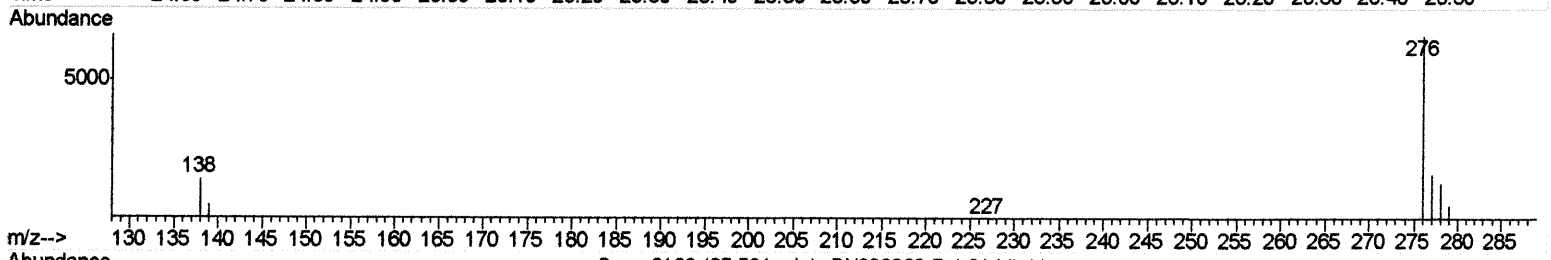
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101119\
Data File : BN008125.D
Acq On : 12 Oct 2019 23:42
Operator : JU
Sample : K5178-16
Misc :
ALS Vial : 9 Sample Multiplier: 1

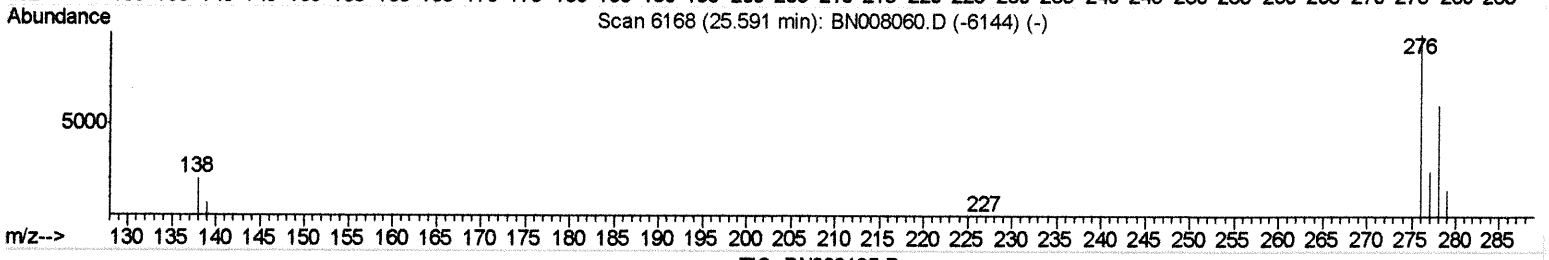
Quant Time: Oct 14 16:10:51 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
BEPD5

**Manual Integrations APPROVED**
mohammad
10/15/2019 7:59:25 AM




TIC: BN008125.D

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

25.561min (-0.029) 0.25ng/ul m JM 10/16/19

response 17394

| Ion | Exp% | Act% |
|---|---|---|
| 276.00 | 100 | 100 |
| 138.00 | 20.10 | 1.66# |
| 227.00 | 0.20 | 0.07# |
| 0.00 | 0.00 | 0.00 |

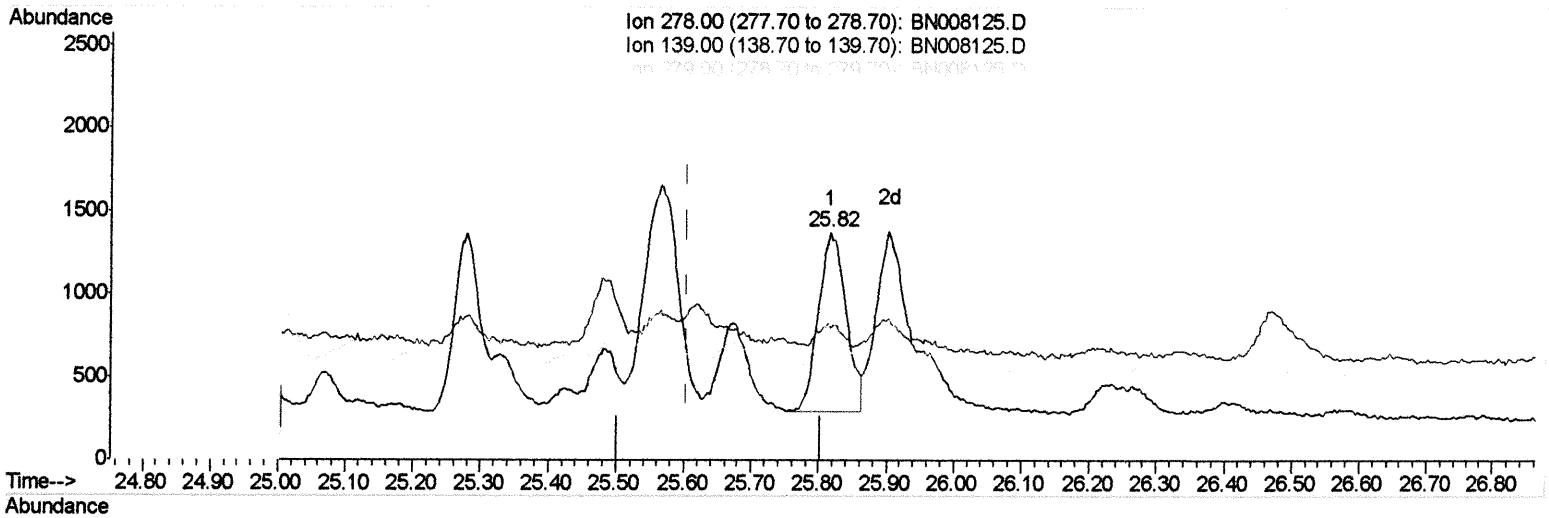
Quantitation Report (Qedit)

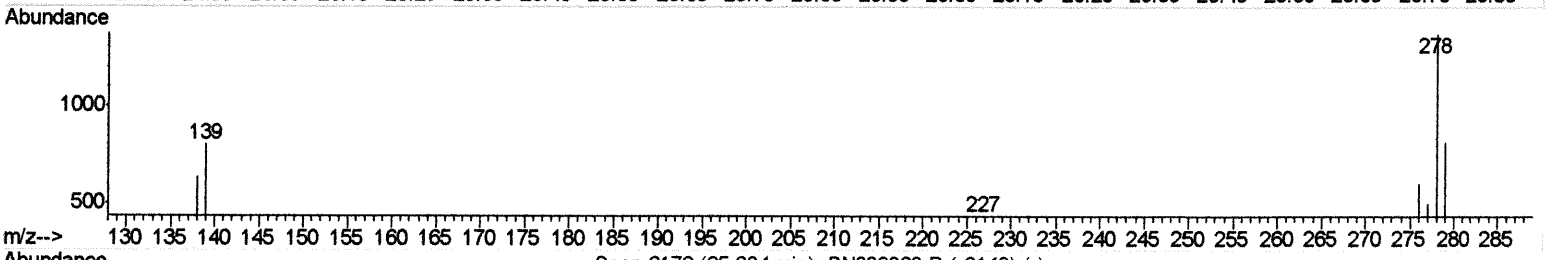
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101119\
Data File : BN008125.D
Acq On : 12 Oct 2019 23:42
Operator : JU
Sample : K5178-16
Misc :
ALS Vial : 9 Sample Multiplier: 1

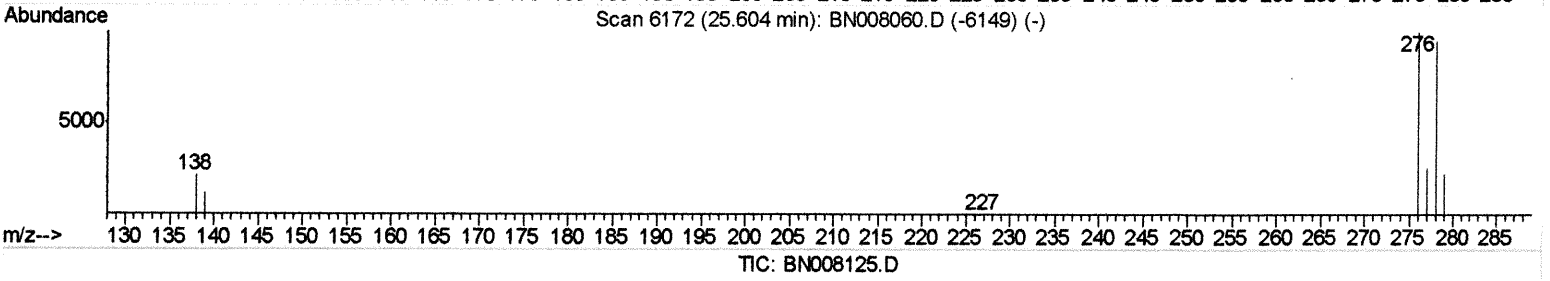
Quant Time: Oct 14 16:10:51 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
BEPD5

**Manual Integrations APPROVED**
mohammad
10/15/2019 7:59:25 AM




TIC: BN008125.D

(25) Dibenzo(a,h)anthracene

25.816min (+0.212) 0.06ng/ul

response 3059

| Ion | Exp% | Act% |
|---|---|---|
| 278.00 | 100 | 100 |
| 139.00 | 18.80 | 58.39# |
| 279.00 | 28.00 | 59.34# |
| 0.00 | 0.00 | 0.00 |

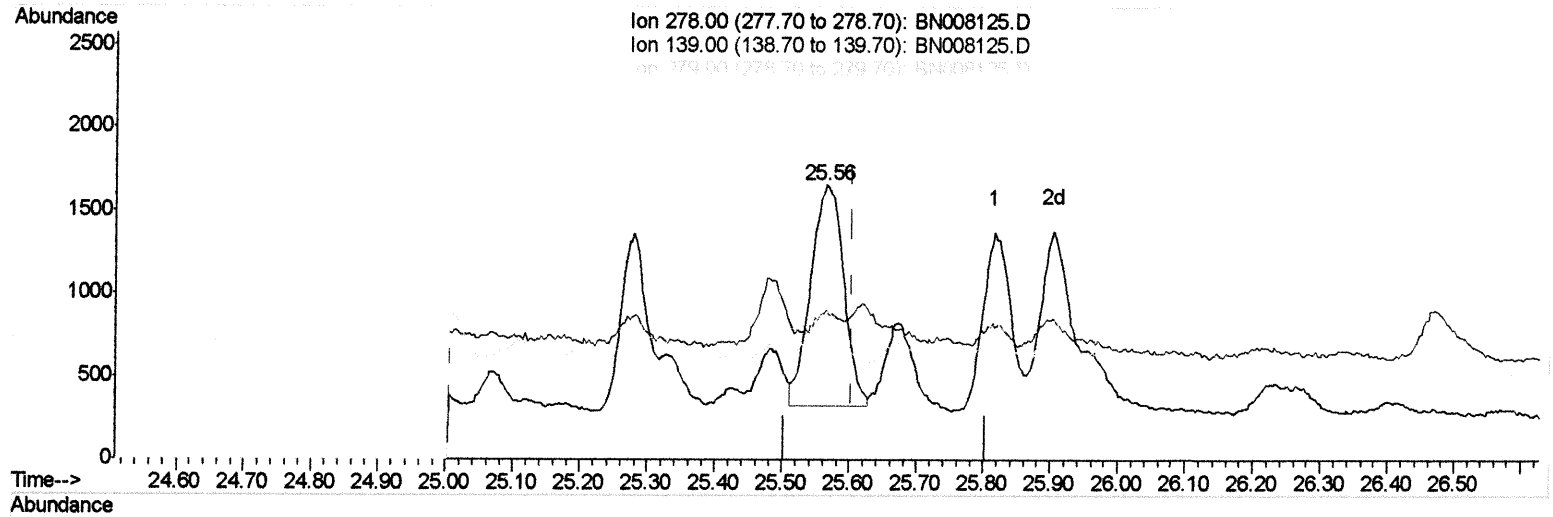
Quantitation Report (Qedit)

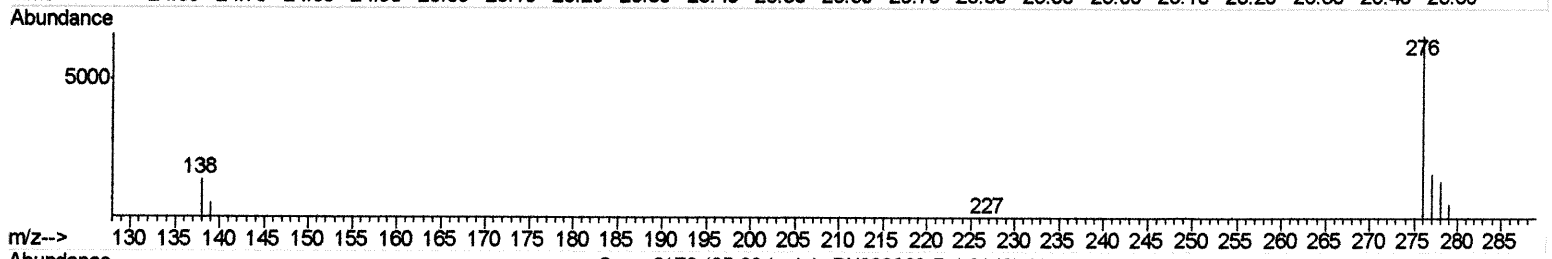
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101119\
Data File : BN008125.D
Acq On : 12 Oct 2019 23:42
Operator : JU
Sample : K5178-16
Misc :
ALS Vial : 9 Sample Multiplier: 1

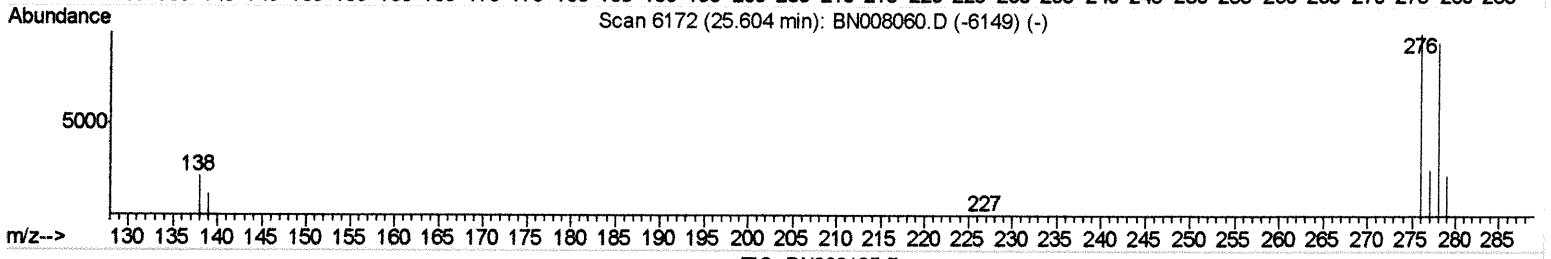
Quant Time: Oct 14 16:10:51 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
BEPD5

**Manual Integrations APPROVED**
mohammad
10/15/2019 7:59:25 AM




TIC: BN008125.D

(25) Dibenzo(a,h)anthracene

25.564min (-0.040) 0.08ng/ul m JU 10/16/19

response 4557

| Ion | Exp% | Act% |
|---|---|---|
| 278.00 | 100 | 100 |
| 139.00 | 18.80 | 54.41# |
| 279.00 | 28.00 | 53.69# |
| 0.00 | 0.00 | 0.00 |

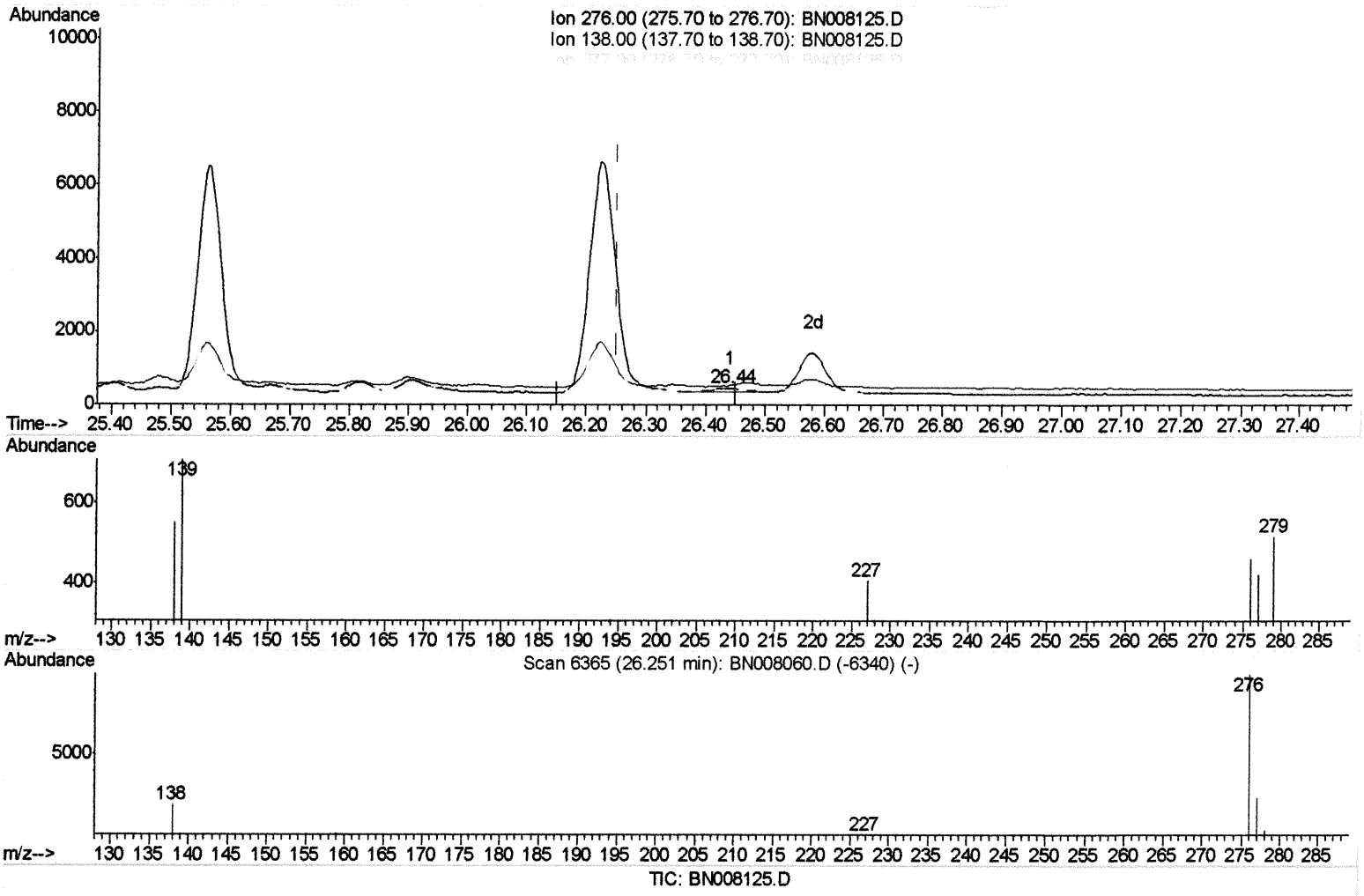
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101119\
Data File : BN008125.D
Acq On : 12 Oct 2019 23:42
Operator : JU
Sample : K5178-16
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 14 16:10:51 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 : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
BEPD5

**Manual Integrations APPROVED**
mohammad
10/15/2019 7:59:25 AM




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

26.443min (+0.192) 0.01ng/ul

response 381

| Ion | Exp% | Act% |
|---|---|---|
| 276.00 | 100 | 100 |
| 138.00 | 21.20 | 119.31# |
| 277.00 | 25.50 | 91.54# |
| 0.00 | 0.00 | 0.00 |

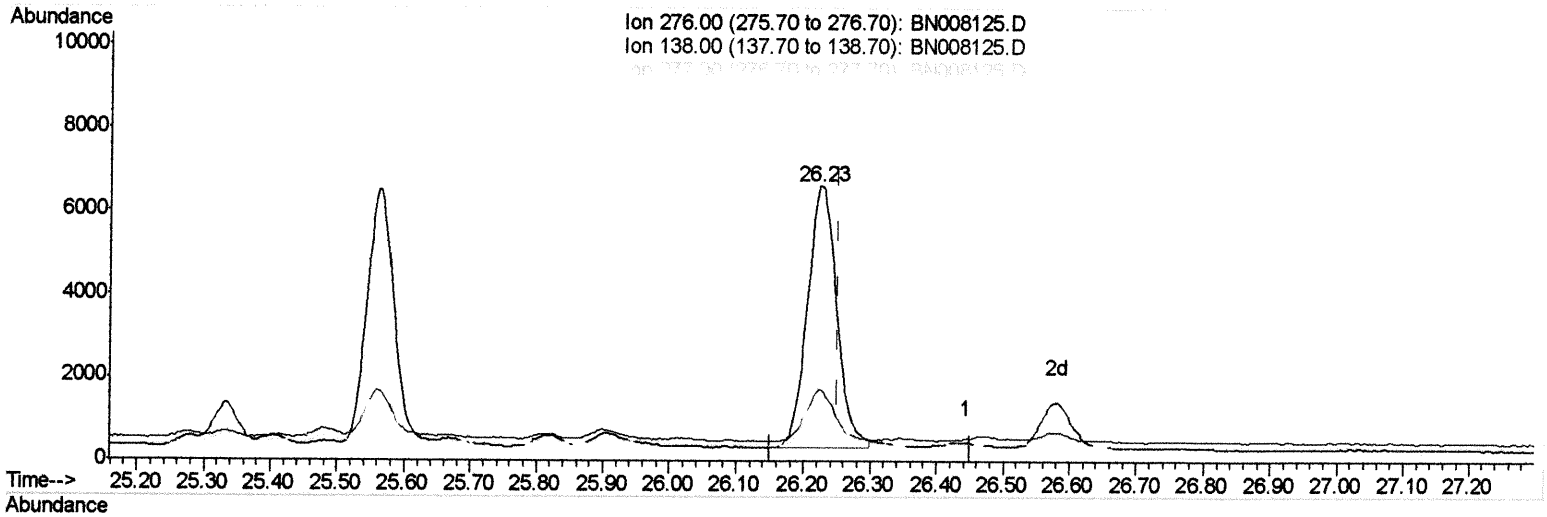
Quantitation Report (Qedit)

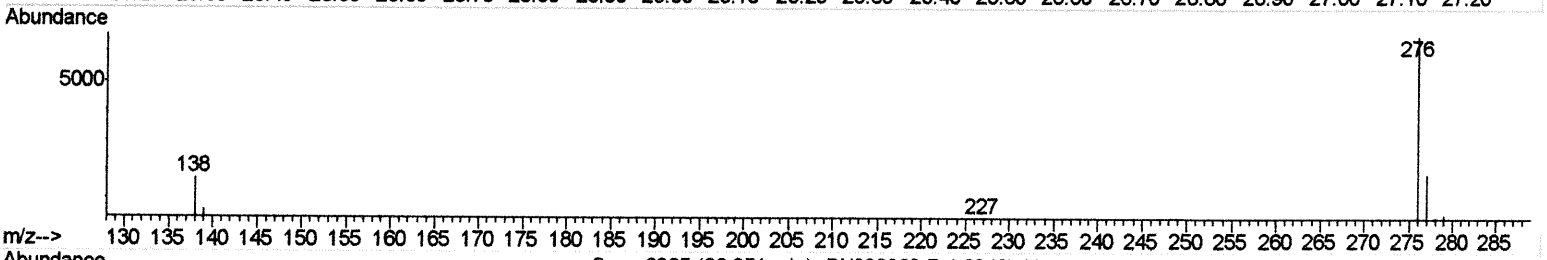
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101119\
Data File : BN008125.D
Acq On : 12 Oct 2019 23:42
Operator : JU
Sample : K5178-16
Misc :
ALS Vial : 9 Sample Multiplier: 1

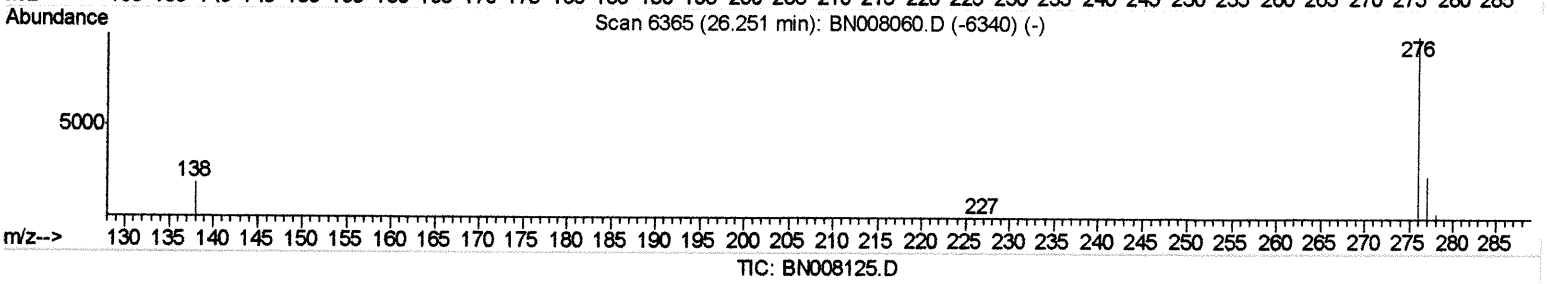
Quant Time: Oct 14 16:10:51 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
BEPD5

**Manual Integrations APPROVED**
mohammad
10/15/2019 7:59:25 AM




TIC: BN008125.D

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

26.225min (-0.026) 0.31ng/ul m JU 10/16/19

response 19399

| Ion | Exp% | Act% |
|---|---|---|
| 276.00 | 100 | 100 |
| 138.00 | 21.20 | 25.88# |
| 277.00 | 25.50 | 28.38 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101119\
Data File : BN008125.D
Acq On : 12 Oct 2019 23:42
Operator : JU
Sample : K5178-16
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 14 16:12:57 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 : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

**Instrument :** BNA_N
**ClientSampleId :** BEPD5

**Manual Integrations APPROVED**
mohammad
10/15/2019 7:59:25 AM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.63 | 152 | 2938 | 0.40 | ng/ul | -0.01 |
| 2) Naphthalene-d8 | 10.39 | 136 | 14404 | 0.40 | ng/ul | -0.02 |
| 6) Acenaphthene-d10 | 14.26 | 164 | 9229 | 0.40 | ng/ul | 0.00 |
| 10) Phenanthrene-d10 | 17.00 | 188 | 21690m | 0.40 | ng/ul | -0.01 |
| 16) Chrysene-d12 | 21.20 | 240 | 21458m | 0.40 | ng/ul | -0.01 |
| 20) Perylene-d12 | 23.39 | 264 | 17110m | 0.40 | ng/ul | -0.02 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Methylnaphthalene-d10 | 11.99 | 152 | 4322 | 0.18 | ng/ul | -0.01 |
| 14) Fluoranthene-d10 | 19.04 | 212 | 14391m | 0.19 | ng/ul | -0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 3) Naphthalene | 10.44 | 128 | 969 | 0.024 | ng/ul# | 76 |
| 5) 2-Methylnaphthalene | 12.07 | 142 | 606 | 0.022 | ng/ul | 98 |
| 7) Acenaphthylene | 13.98 | 152 | 3358 | 0.076 | ng/ul | 95 |
| 12) Phenanthrene | 17.05 | 178 | 9141 | 0.144 | ng/ul | 98 |
| 13) Anthracene | 17.14 | 178 | 3325m | 0.059 | ng/ul | |
| 15) Fluoranthene | 19.07 | 202 | 36056m | 0.430 | ng/ul | |
| 17) Pyrene | 19.43 | 202 | 38130 | 0.446 | ng/ul | 99 |
| 18) Benzo(a)anthracene | 21.19 | 228 | 28464m | 0.365 | ng/ul | |
| 19) Chrysene | 21.24 | 228 | 32839m | 0.343 | ng/ul | |
| 21) Benzo(b)fluoranthene | 22.74 | 252 | 39212m | 0.704 | ng/ul | |
| 22) Benzo(k)fluoranthene | 22.78 | 252 | 15028m | 0.238 | ng/ul | |
| 23) Benzo(a)pyrene | 23.29 | 252 | 28445m | 0.485 | ng/ul | |
| 24) Indeno(1,2,3-cd)pyrene | 25.56 | 276 | 17394m | 0.252 | ng/ul | |
| 25) Dibenzo(a,h)anthracene | 25.56 | 278 | 4557m | 0.084 | ng/ul | |
| 26) Benzo(g,h,i)perylene | 26.23 | 276 | 19399m | 0.306 | ng/ul | |

JU 10/16/19

JU 10/16/19

JU 10/16/19

JU 10/16/19

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