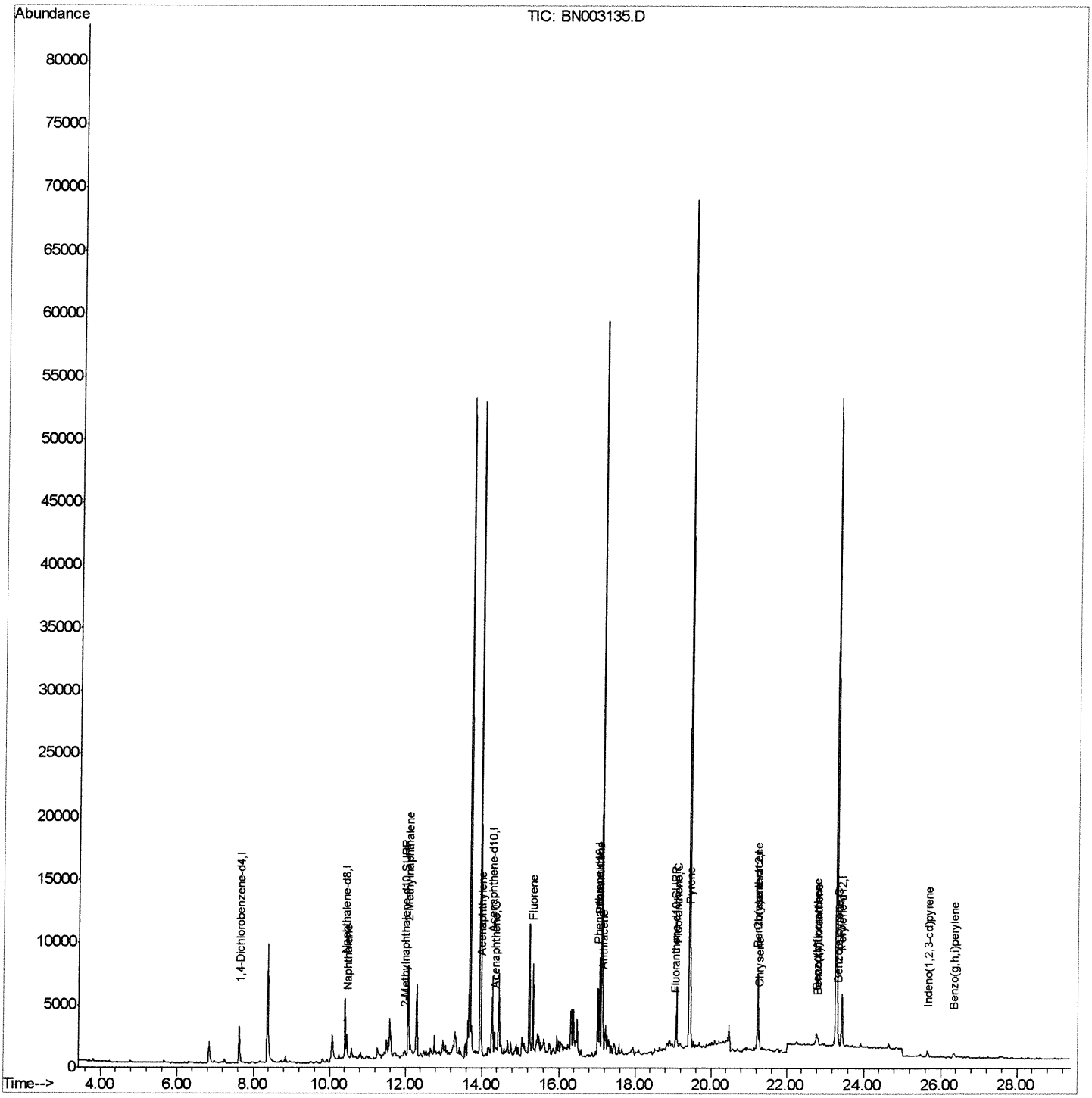
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101218\
Data File : BN003135.D
Acq On : 12 Oct 2018 10:06
Operator : MJ/SJ
Sample : J5234-10DL 5X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Oct 12 13:24:58 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN100918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 12 07:27:48 2018
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
C0AK8DL

**Manual Integrations APPROVED**
Sohil
10/12/2018 6:38:47 PM



Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101218\
Data File : BN003135.D
Acq On : 12 Oct 2018 10:06
Operator : MJ/SJ
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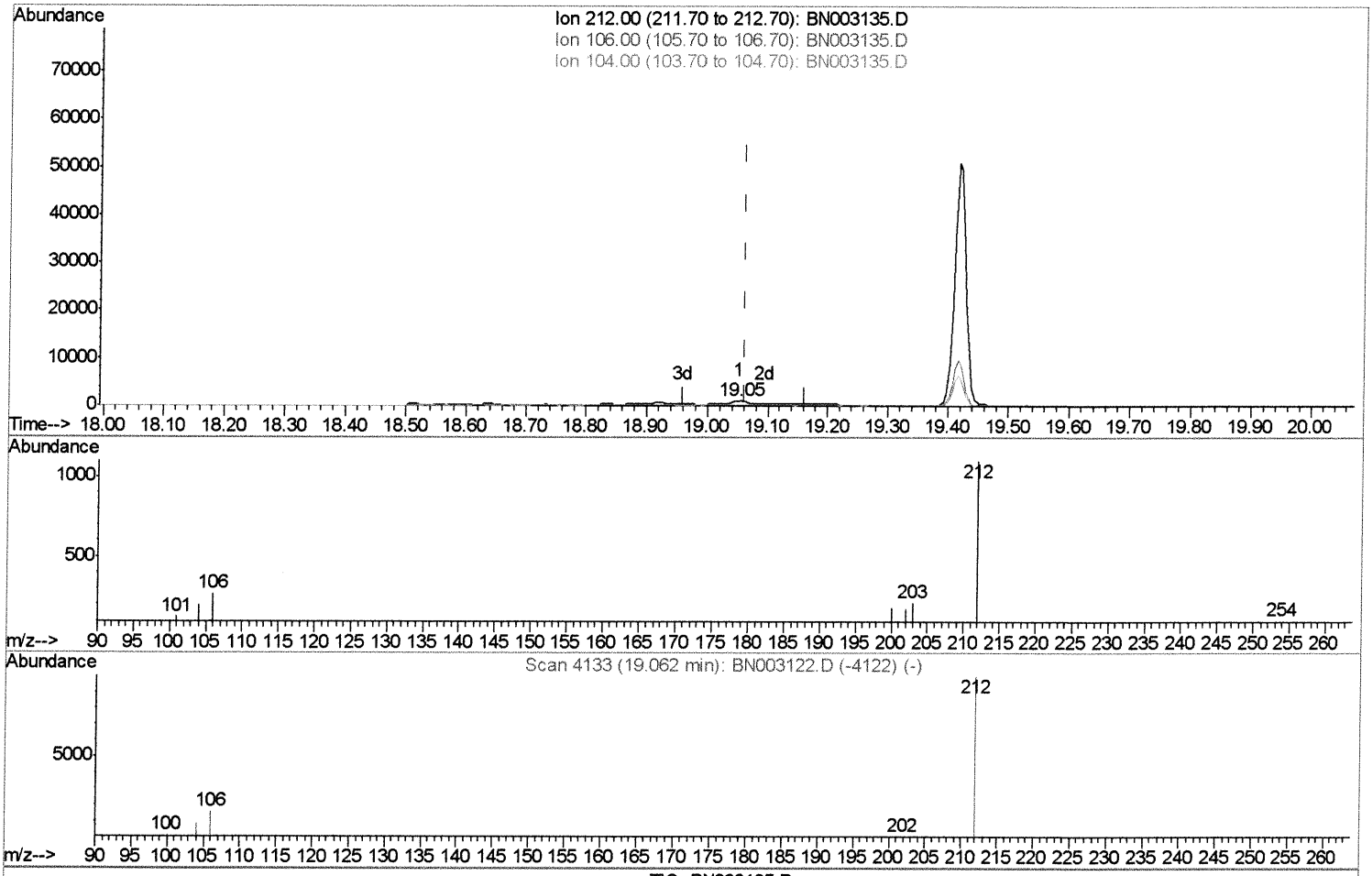
Misc :
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Oct 12 13:22:53 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN100918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 12 07:27:48 2018
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
C0AK8DL

**Manual Integrations APPROVED**
Sohil
10/12/2018 6:38:47 PM




TIC: BN003135.D

(14) Fluoranthene-d10 (SURR)

19.053min (-0.009) 0.08ng/ul

response 1393

| Ion | Exp% | Act% |
|---|---|---|
| 212.00 | 100 | 100 |
| 106.00 | 15.40 | 15.15 |
| 104.00 | 8.60 | 6.60# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101218\
Data File : BN003135.D
Acq On : 12 Oct 2018 10:06
Operator : MJ/SJ
Sample : J5234-10DL 5X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Oct 12 13:22:53 2018
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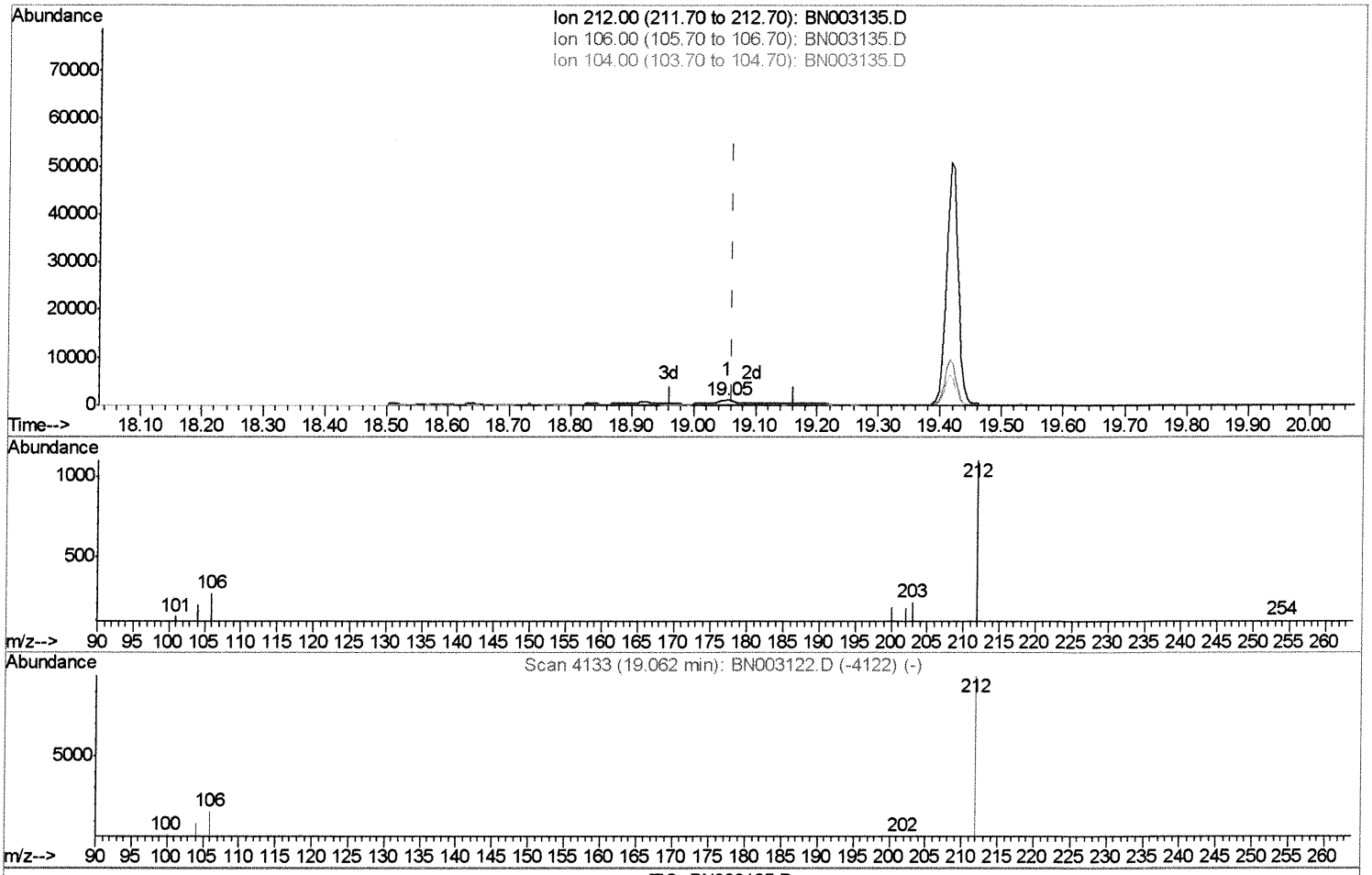
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 12 07:27:48 2018
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
C0AK8DL

**Manual Integrations APPROVED**
Sohil
10/12/2018 6:38:47 PM




TIC: BN003135.D

(14) Fluoranthene-d10 (SURR)

19.053min (-0.009) 0.06ng/ul m) SJ 10/12/18

response 1098

| Ion | Exp% | Act% |
|---|---|---|
| 212.00 | 100 | 100 |
| 106.00 | 15.40 | 19.22# |
| 104.00 | 8.60 | 8.38 |
| 0.00 | 0.00 | 0.00 |

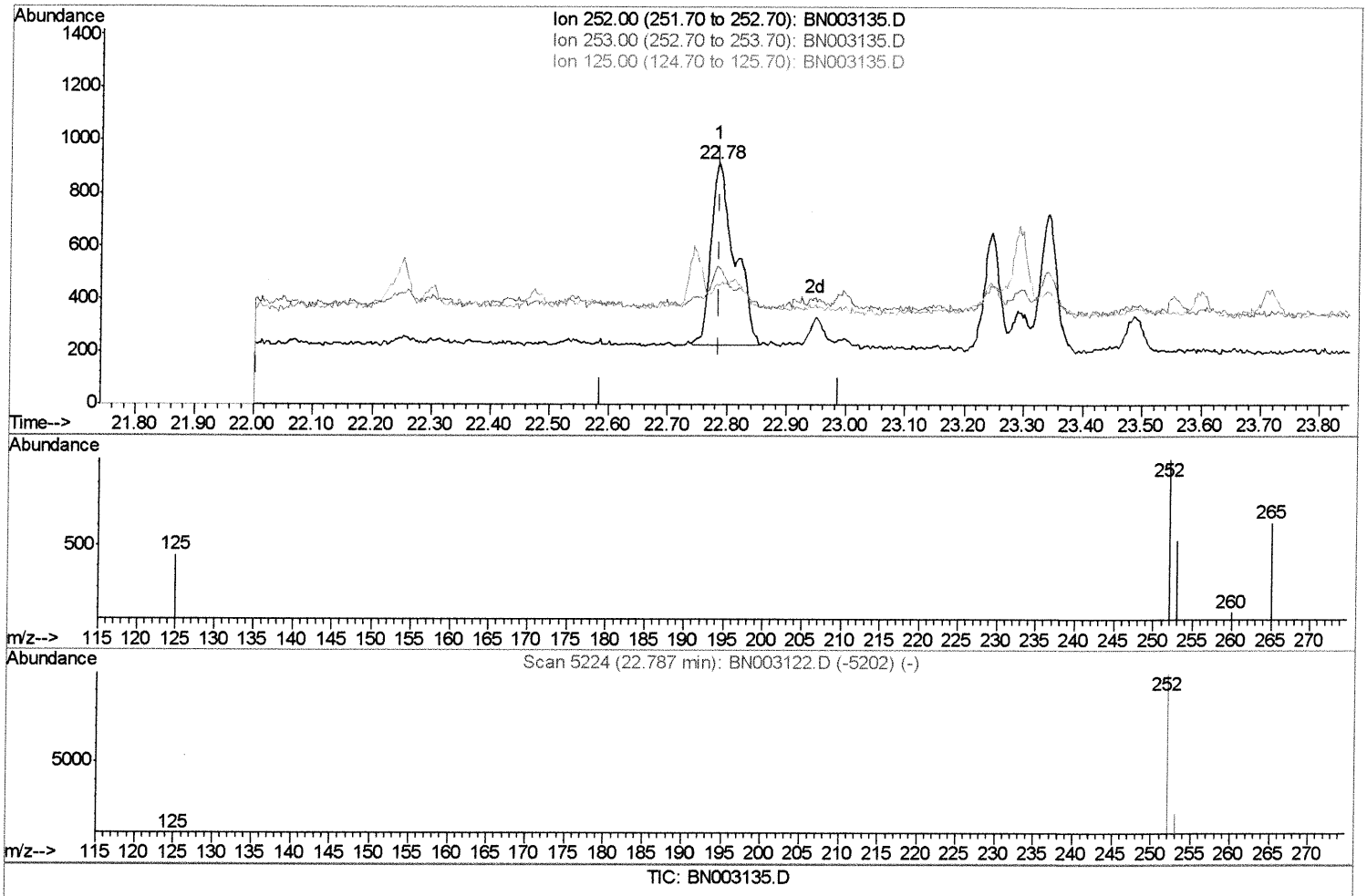
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101218\
Data File : BN003135.D
Acq On : 12 Oct 2018 10:06
Operator : MJ/SJ
Sample : J5234-10DL 5X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Oct 12 13:22:53 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN100918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 12 07:27:48 2018
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
C0AK8DL

**Manual Integrations APPROVED**
Sohil
10/12/2018 6:38:47 PM




TIC: BN003135.D

(21) Benzo(b)fluoranthene

22.784min (-0.003) 0.10ng/ul

response 1922

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 26.60 | 57.44# |
| 125.00 | 17.10 | 49.78# |
| 0.00 | 0.00 | 0.00 |

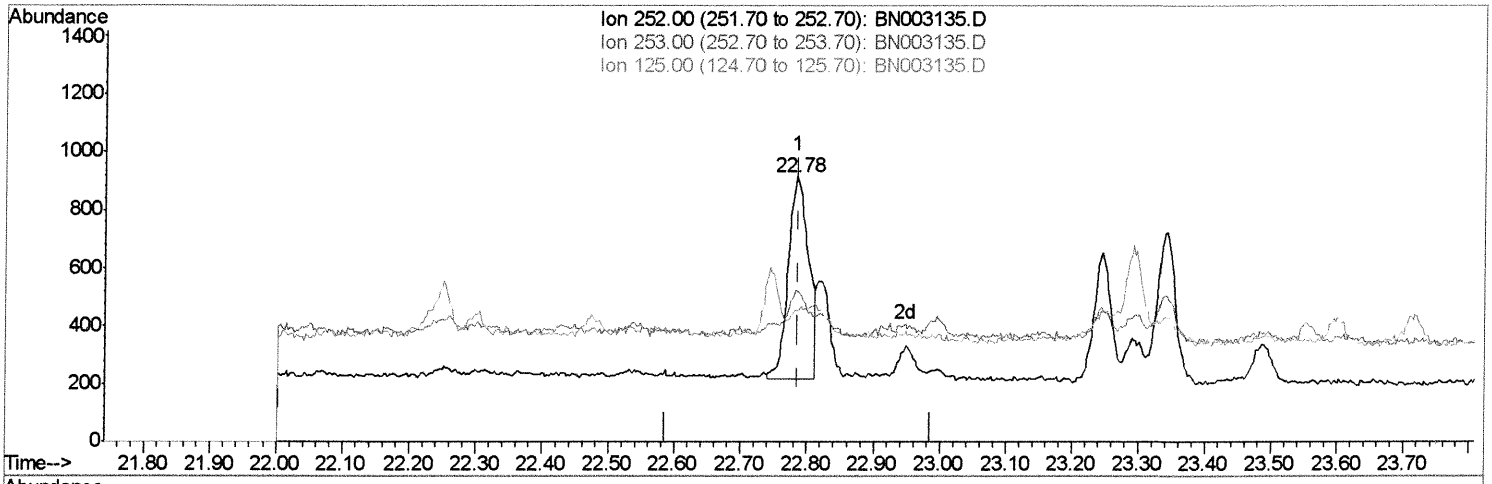
Quantitation Report (Qedit)

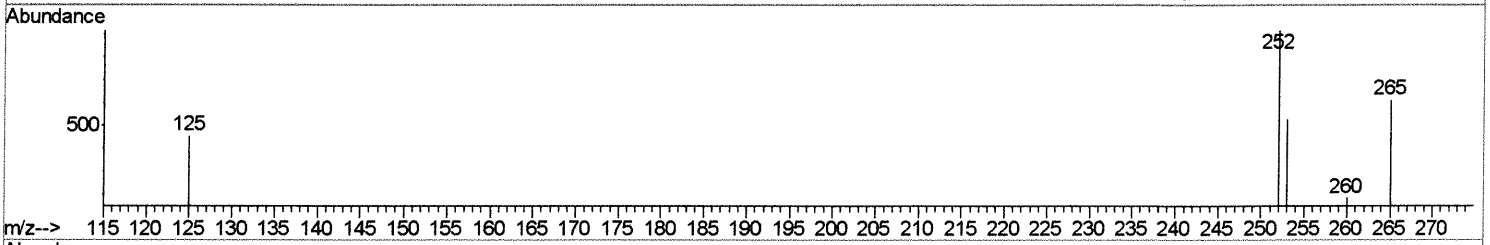
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101218\
Data File : BN003135.D
Acq On : 12 Oct 2018 10:06
Operator : MJ/SJ
Sample : J5234-10DL 5X
Misc :
ALS Vial : 36 Sample Multiplier: 1

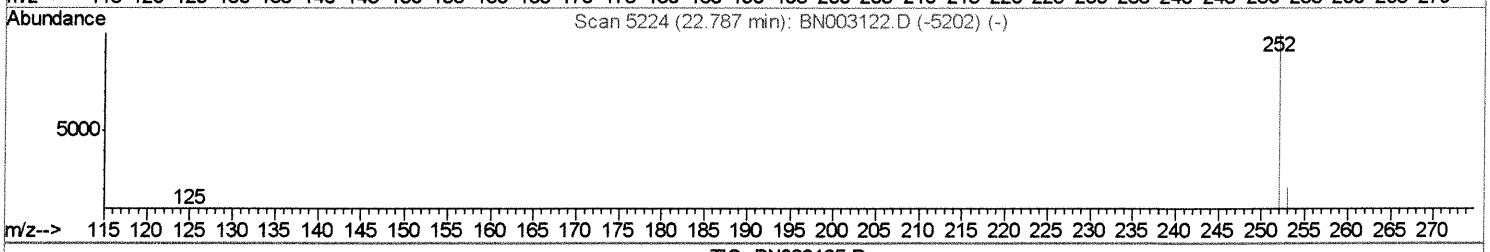
Quant Time: Oct 12 13:22:53 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN100918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 12 07:27:48 2018
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
C0AK8DL

**Manual Integrations APPROVED**
Sohil
10/12/2018 6:38:47 PM




TIC: BN003135.D

(21) Benzo(b)fluoranthene

22.784min (-0.003) 0.07ng/ul m SJ 10/12/18

response 1489

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 26.60 | 57.44# |
| 125.00 | 17.10 | 49.78# |
| 0.00 | 0.00 | 0.00 |

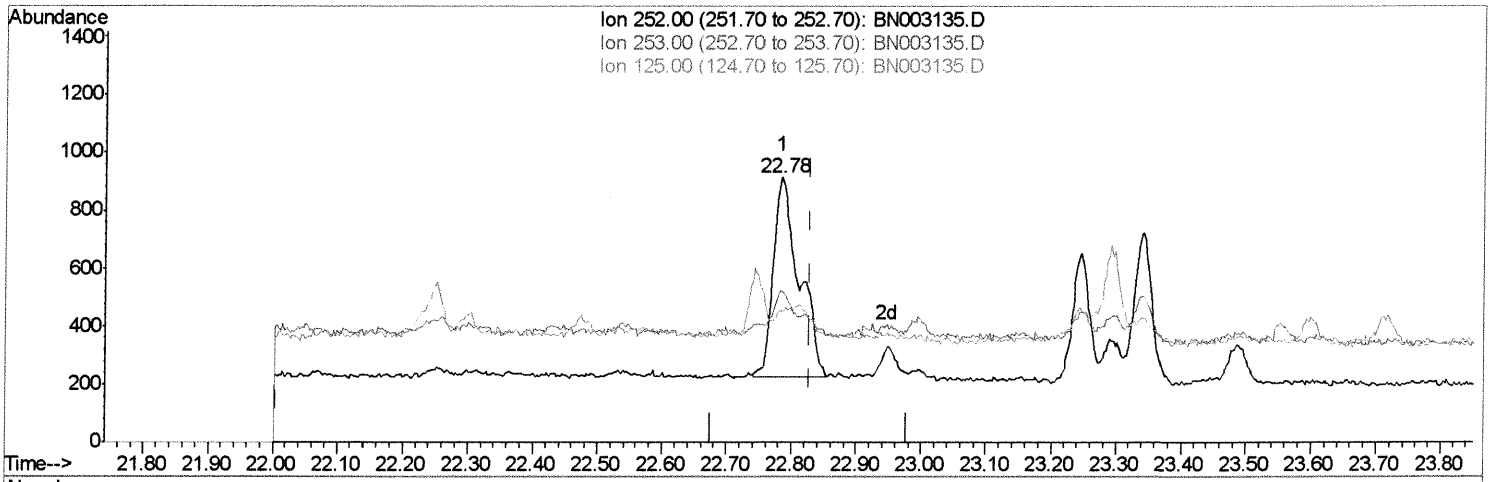
Quantitation Report (Qedit)

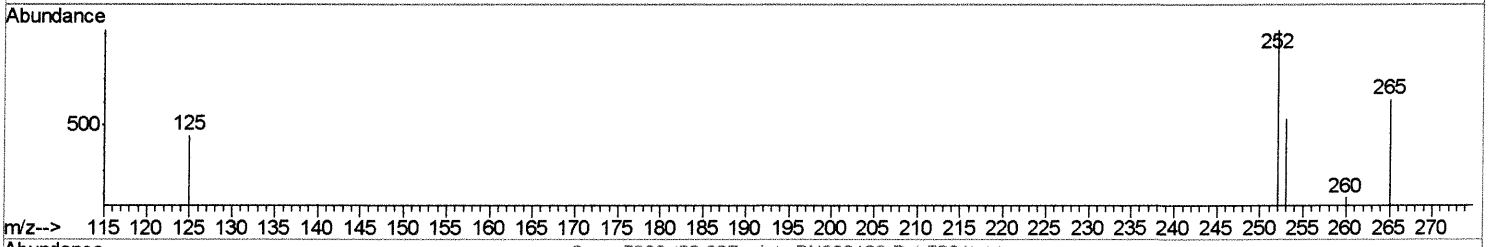
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101218\
Data File : BN003135.D
Acq On : 12 Oct 2018 10:06
Operator : MJ/SJ
Sample : J5234-10DL 5X
Misc :
ALS Vial : 36 Sample Multiplier: 1

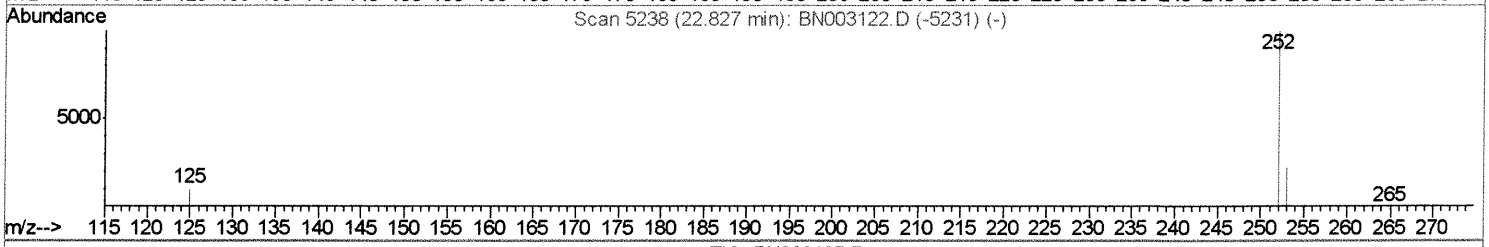
Quant Time: Oct 12 13:22:53 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN100918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 12 07:27:48 2018
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
C0AK8DL

**Manual Integrations APPROVED**
Sohil
10/12/2018 6:38:47 PM




TIC: BN003135.D

(22) Benzo(k)fluoranthene

22.784min (-0.044) 0.09ng/ul

response 1922

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 26.60 | 57.44# |
| 125.00 | 17.60 | 49.78# |
| 0.00 | 0.00 | 0.00 |

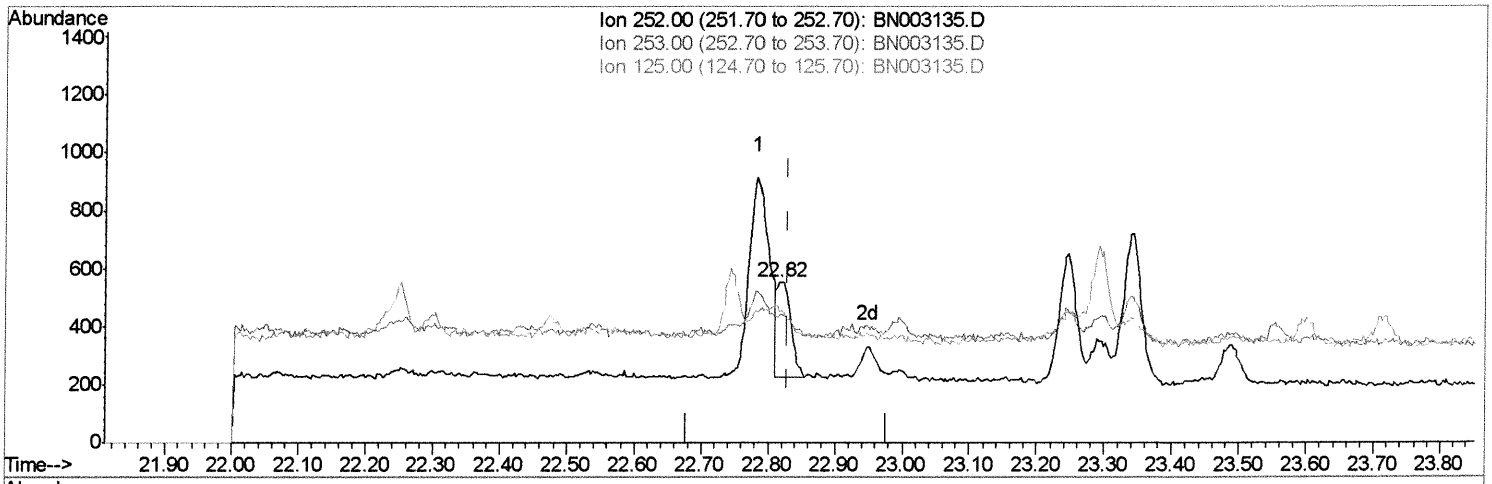
Quantitation Report (Qedit)

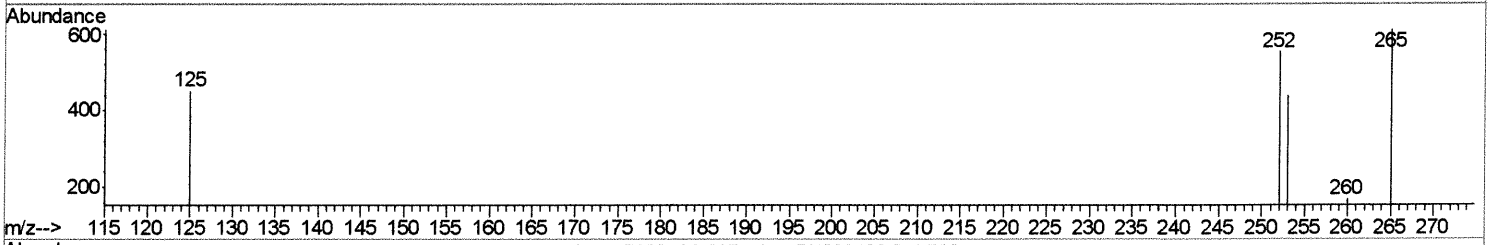
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101218\
Data File : BN003135.D
Acq On : 12 Oct 2018 10:06
Operator : MJ/SJ
Sample : J5234-10DL 5X
Misc :
ALS Vial : 36 Sample Multiplier: 1

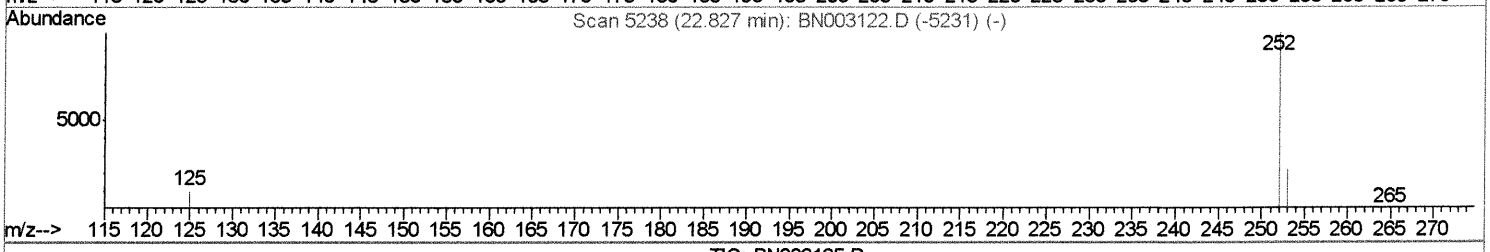
Quant Time: Oct 12 13:22:53 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN100918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 12 07:27:48 2018
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
C0AK8DL

**Manual Integrations APPROVED**
Sohil
10/12/2018 6:38:47 PM




TIC: BN003135.D

(22) Benzo(k)fluoranthene

22.816min (-0.012) 0.02ng/ul m) SJ 10/12/18

response 466

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 26.60 | 79.24# |
| 125.00 | 17.60 | 81.41# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101218\
Data File : BN003135.D
Acq On : 12 Oct 2018 10:06
Operator : MJ/SJ
Sample : J5234-10DL 5X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Oct 12 13:24:58 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN100918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 12 07:27:48 2018
Response via : Initial Calibration

**Instrument :** BNA_N
**ClientSampleId :** C0AK8DL

**Manual Integrations APPROVED**
Sohil
10/12/2018 6:38:47 PM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.63 | 152 | 1814 | 0.40 | ng/ul | -0.01 |
| 2) Naphthalene-d8 | 10.39 | 136 | 6958 | 0.40 | ng/ul | -0.01 |
| 6) Acenaphthene-d10 | 14.26 | 164 | 3530 | 0.40 | ng/ul | 0.00 |
| 10) Phenanthrene-d10 | 17.01 | 188 | 6147 | 0.40 | ng/ul | -0.02 |
| 16) Chrysene-d12 | 21.23 | 240 | 5105 | 0.40 | ng/ul | 0.00 |
| 20) Perylene-d12 | 23.44 | 264 | 5580 | 0.40 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Methylnaphthalene-d10 | 11.99 | 152 | 551 | 0.05 | ng/ul | -0.02 |
| 14) Fluoranthene-d10 | 19.05 | 212 | 1098m | 0.06 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 3) Naphthalene | 10.44 | 128 | 2753 | 0.154 | ng/ul# | 94 |
| 5) 2-Methylnaphthalene | 12.07 | 142 | 6057 | 0.493 | ng/ul | 98 |
| 7) Acenaphthylene | 13.98 | 152 | 587 | 0.036 | ng/ul# | 24 |
| 8) Acenaphthene | 14.32 | 153 | 946 | 0.077 | ng/ul | 94 |
| 9) Fluorene | 15.31 | 166 | 4707 | 0.335 | ng/ul# | 96 |
| 12) Phenanthrene | 17.06 | 178 | 8256 | 0.482 | ng/ul# | 95 |
| 13) Anthracene | 17.15 | 178 | 2022 | 0.125 | ng/ul# | 84 |
| 15) Fluoranthene | 19.09 | 202 | 4115 | 0.205 | ng/ul | 89 |
| 17) Pyrene | 19.45 | 202 | 4919 | 0.248 | ng/ul | 96 |
| 18) Benzo(a)anthracene | 21.21 | 228 | 1037 | 0.063 | ng/ul# | 46 |
| 19) Chrysene | 21.26 | 228 | 1551 | 0.093 | ng/ul# | 61 |
| 21) Benzo(b)fluoranthene | 22.78 | 252 | 1489m | 0.074 | ng/ul | |
| 22) Benzo(k)fluoranthene | 22.82 | 252 | 466m | 0.022 | ng/ul | |
| 23) Benzo(a)pyrene | 23.34 | 252 | 974 | 0.054 | ng/ul# | 21 |
| 24) Indeno(1,2,3-cd)pyrene | 25.66 | 276 | 801 | 0.039 | ng/ul# | 99 |
| 26) Benzo(g,h,i)perylene | 26.34 | 276 | 703 | 0.040 | ng/ul# | 42 |

SJ 10/12/18

SJ 10/12/18

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