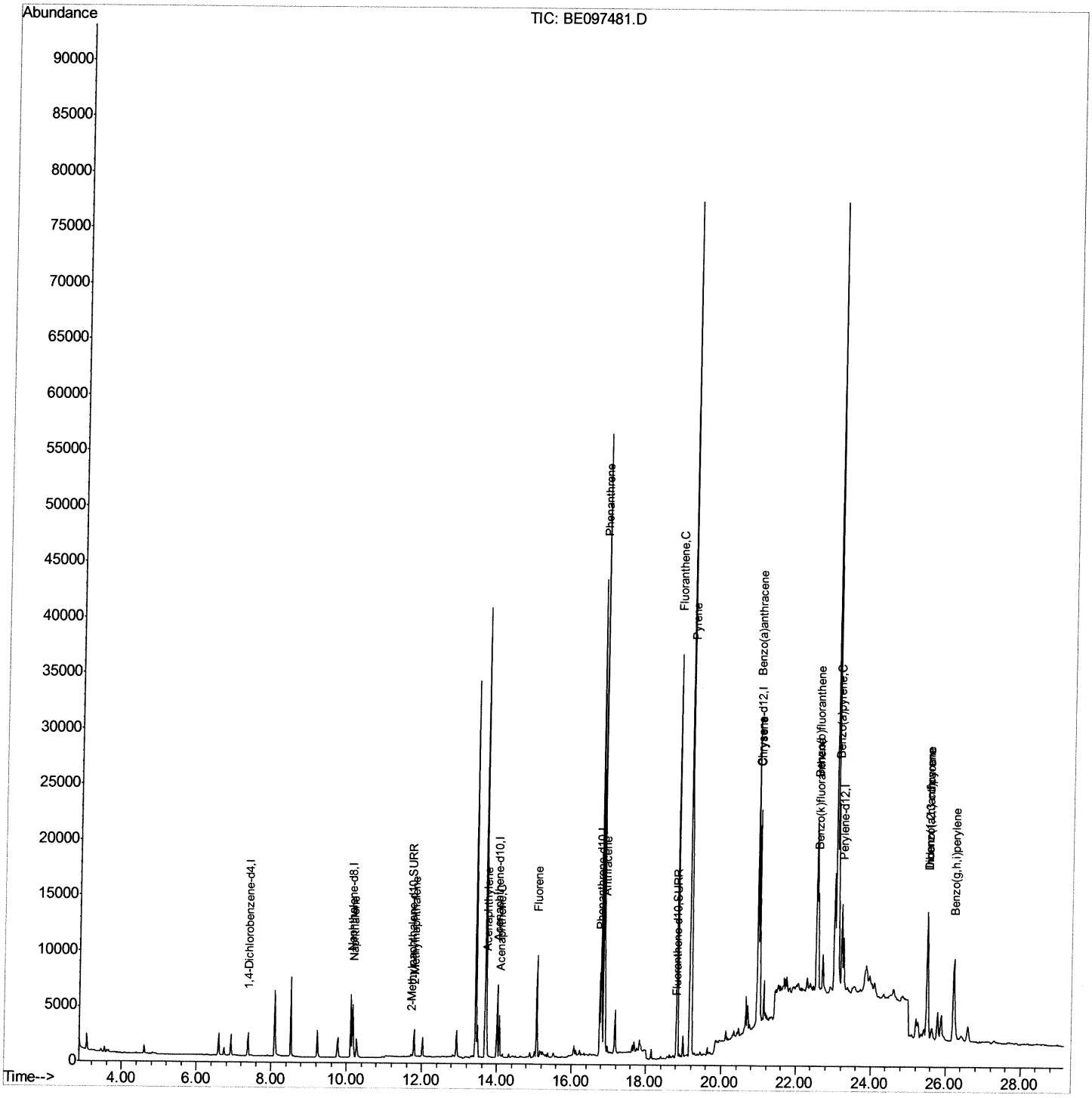
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091218\
Data File : BE097481.D
Acq On : 13 Sep 2018 9:53
Operator : SJ/JU
Sample : J4792-08DL 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Sep 13 11:37:27 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE082918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 13 07:48:38 2018
Response via : Initial Calibration

**Instrument :**
BNA_E
**ClientSampleId :**
A3Z39DL

**Manual Integrations APPROVED**
Sohil
9/13/2018 5:43:08 PM



Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091218\
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Acq On : 13 Sep 2018 9:53
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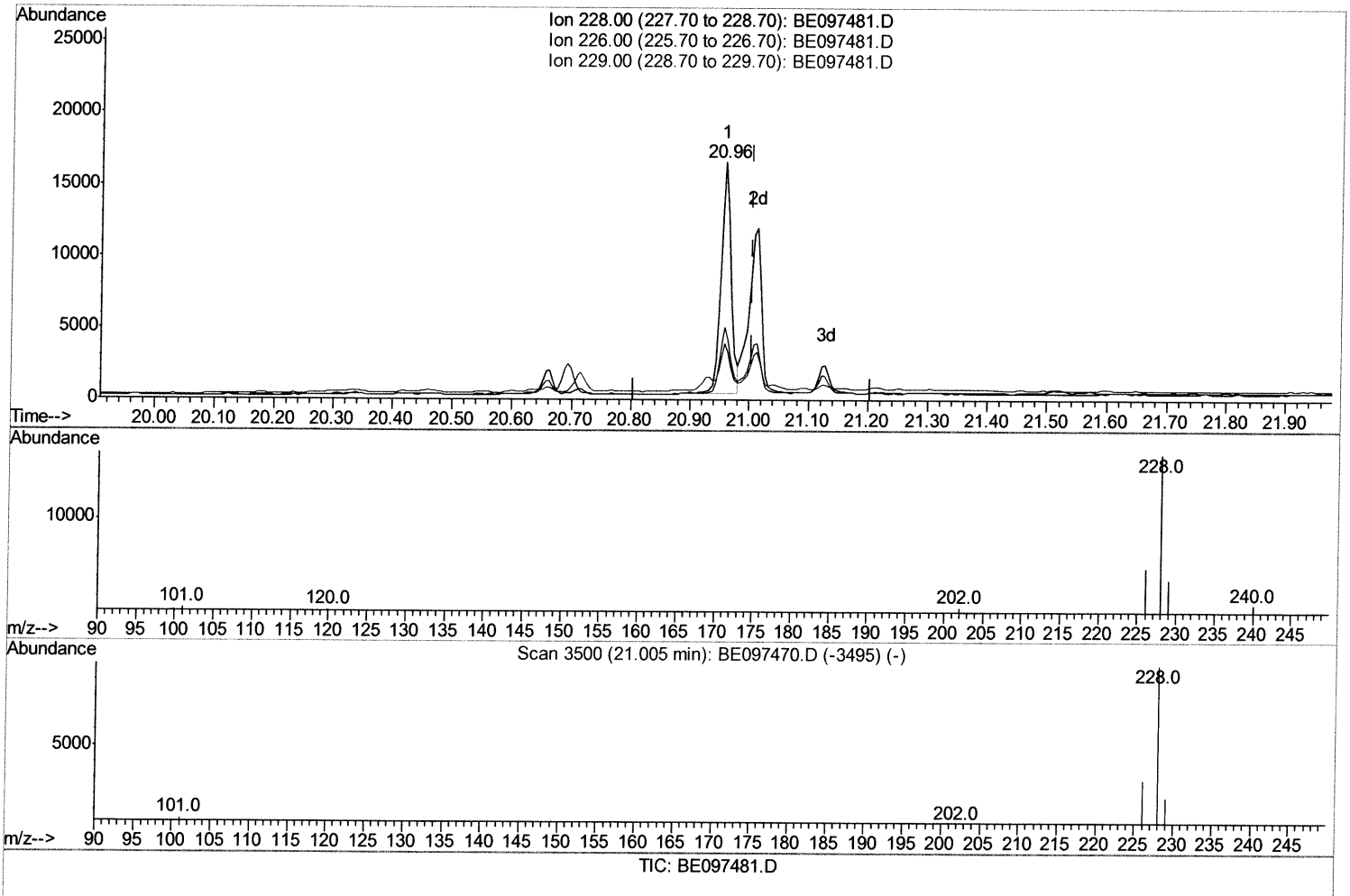
**Manual Integrations APPROVED**
Sohil
9/13/2018 5:43:08 PM




TIC: BE097481.D

(19) Chrysene

20.958min (-0.046) 0.67ng/ul

response 19660

| Ion | Exp% | Act% |
|---|---|---|
| 228.00 | 100 | 100 |
| 226.00 | 29.20 | 30.63 |
| 229.00 | 22.10 | 23.54 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091218\
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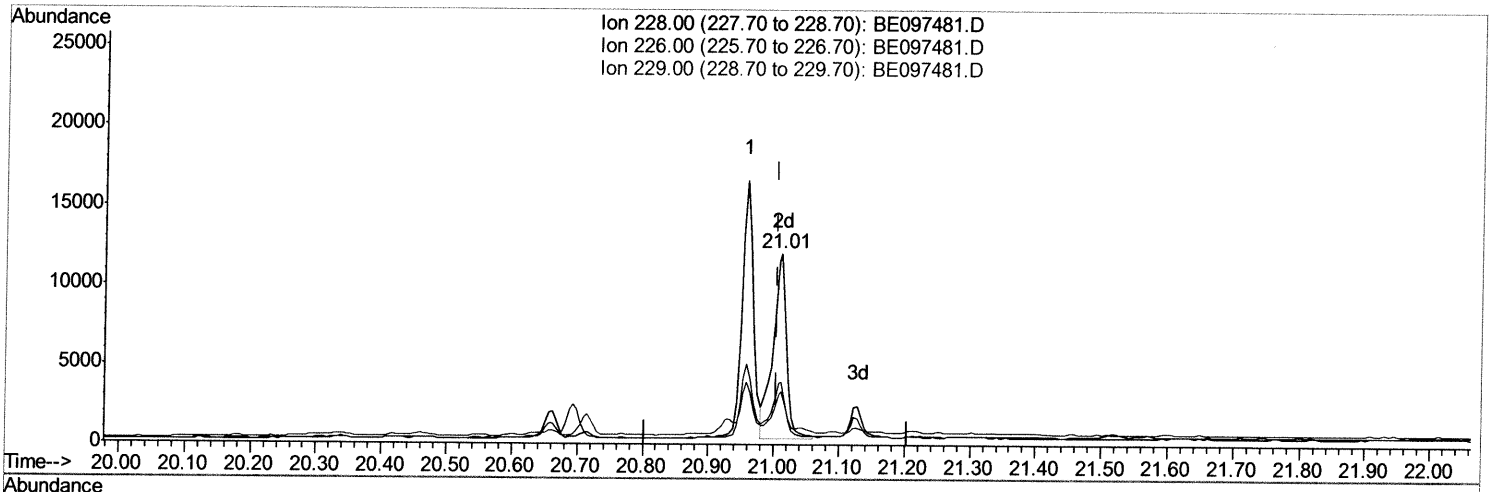
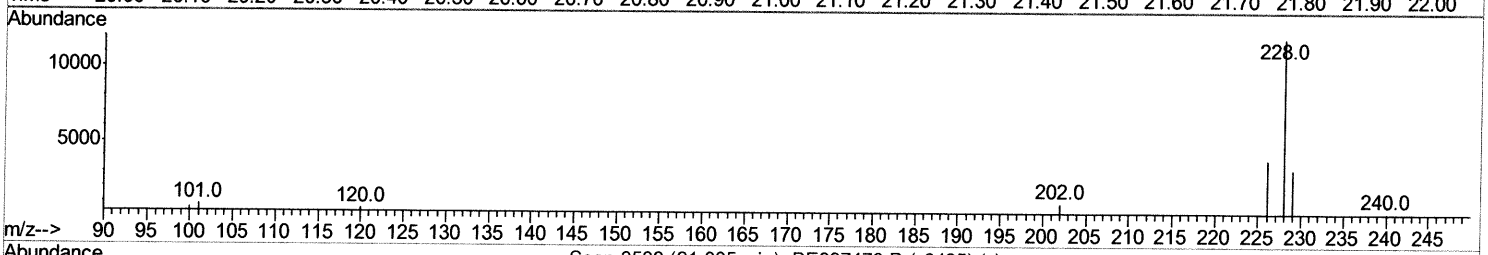
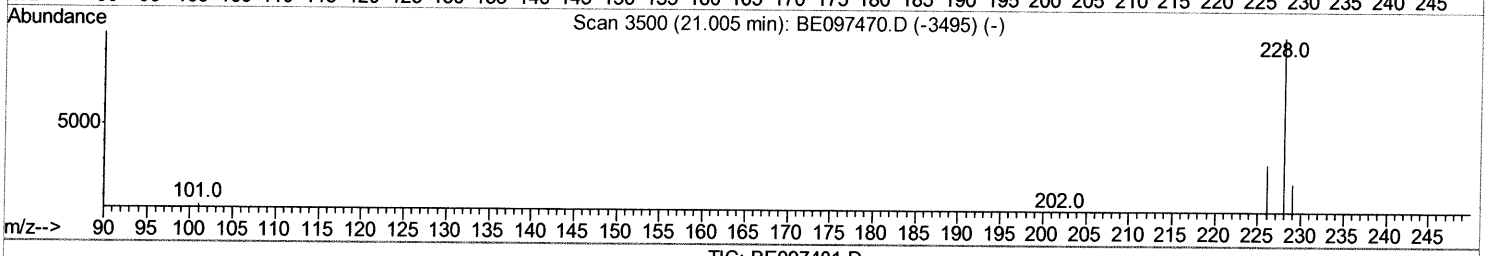
**Instrument :**
BNA_E
**ClientSampleId :**
A3Z39DL

**Manual Integrations APPROVED**
Sohil
9/13/2018 5:43:08 PM




TIC: BE097481.D

(19) Chrysene

21.011min (+0.007) 0.60ng/ul m SJ 9/14/18

response 17657

| Ion | Exp% | Act% |
|---|---|---|
| 228.00 | 100 | 100 |
| 226.00 | 29.20 | 32.83 |
| 229.00 | 22.10 | 27.75# |
| 0.00 | 0.00 | 0.00 |

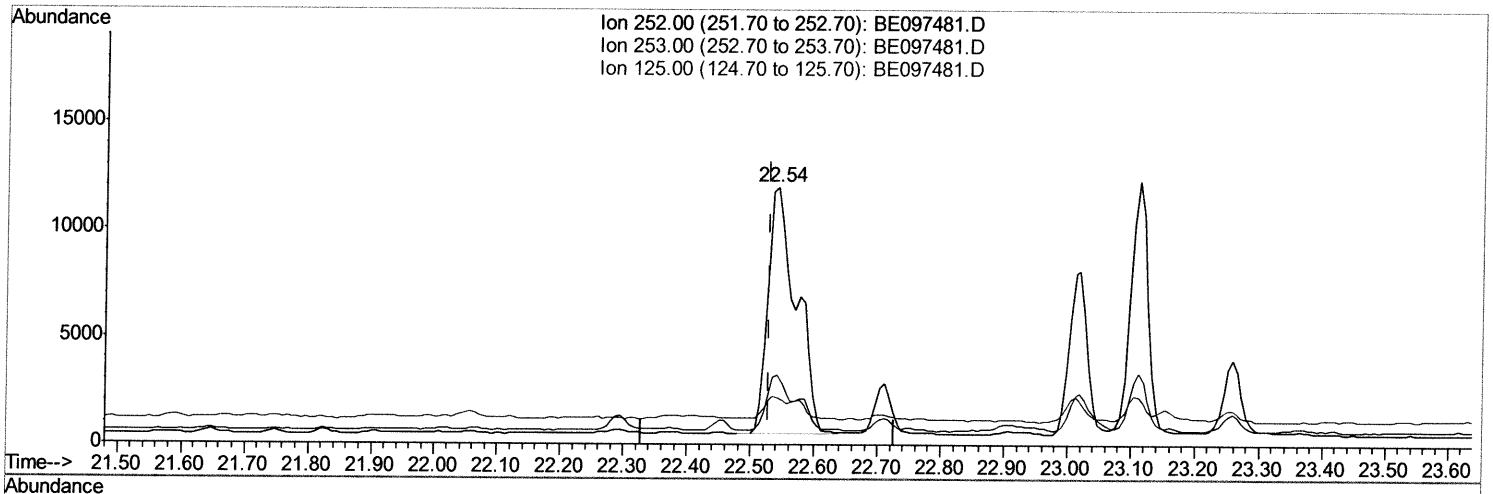
Quantitation Report (Qedit)

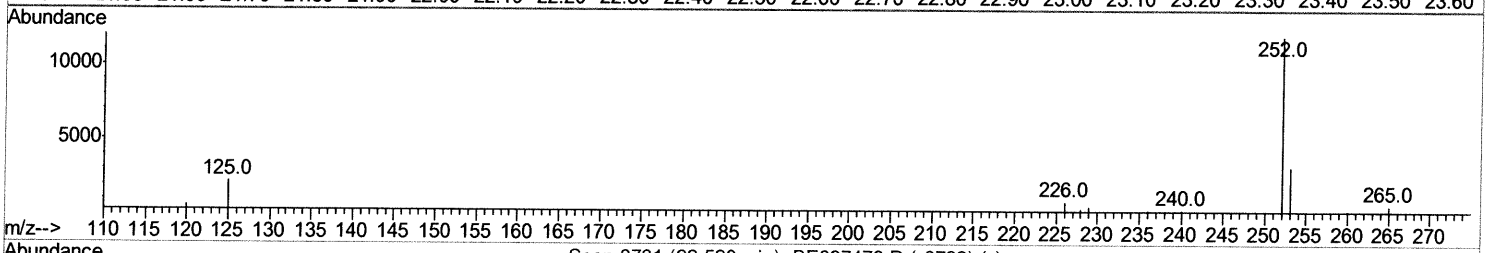
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091218\
Data File : BE097481.D
Acq On : 13 Sep 2018 9:53
Operator : SJ/JU
Sample : J4792-08DL 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

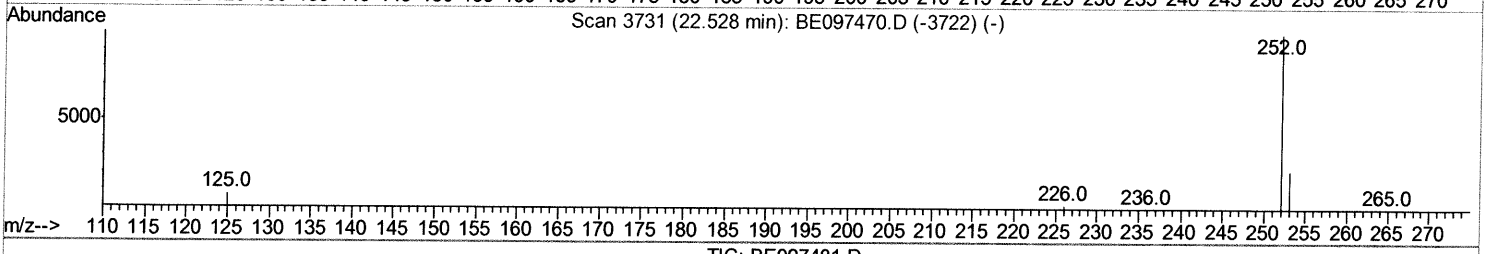
Quant Time: Sep 13 11:31:29 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE082918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 13 07:48:38 2018
Response via : Initial Calibration

**Instrument :**
BNA_E
**ClientSampleId :**
A3Z39DL

**Manual Integrations APPROVED**
Sohil
9/13/2018 5:43:08 PM




TIC: BE097481.D

(21) Benzo(b)fluoranthene

22.542min (+0.013) 1.34ng/ul

response 35901

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 32.10 | 26.98 |
| 125.00 | 17.50 | 18.27 |
| 0.00 | 0.00 | 0.00 |

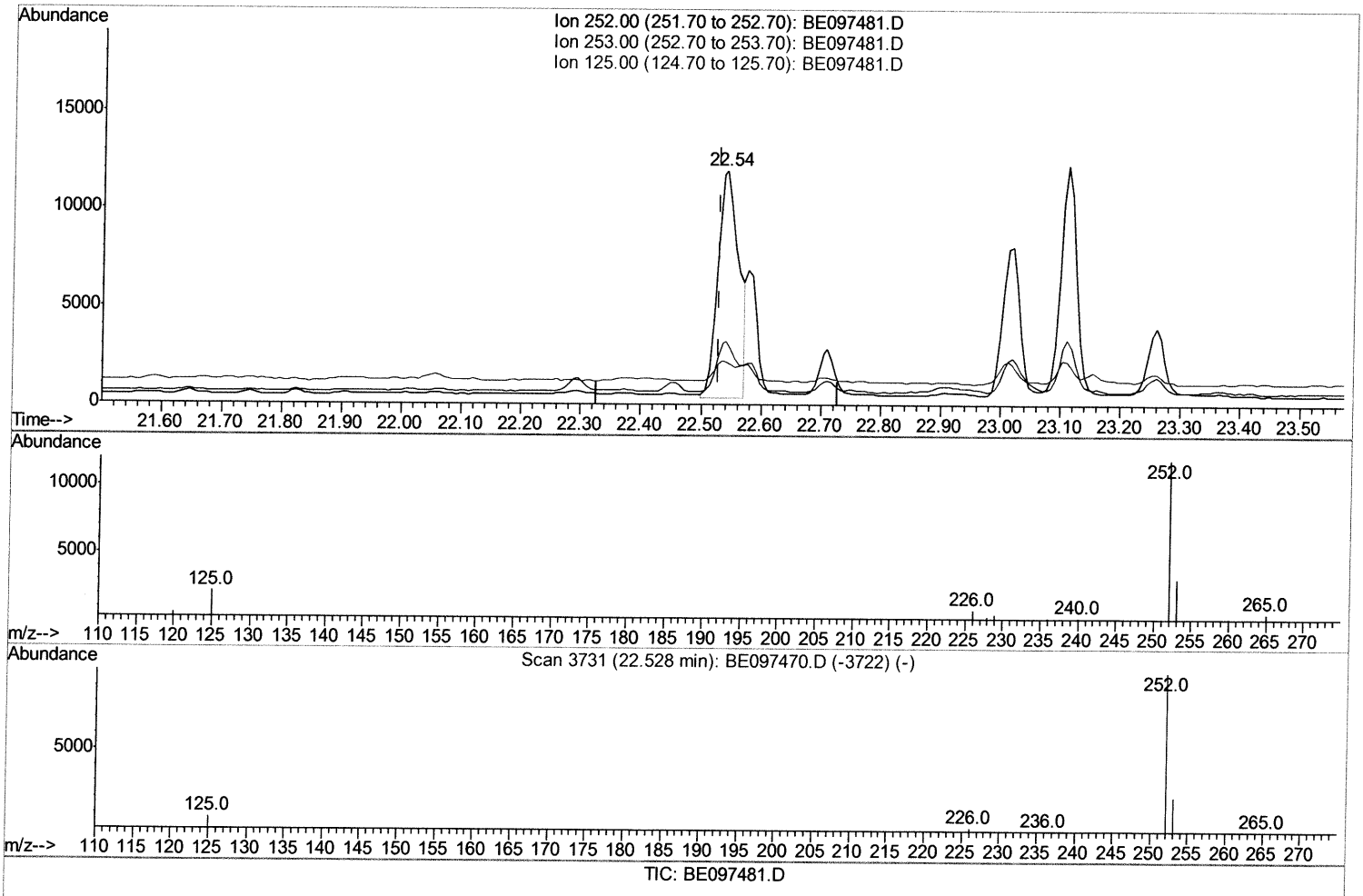
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091218\
Data File : BE097481.D
Acq On : 13 Sep 2018 9:53
Operator : SJ/JU
Sample : J4792-08DL 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Sep 13 11:31:29 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE082918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 13 07:48:38 2018
Response via : Initial Calibration

**Instrument :**
BNA_E
**ClientSampleId :**
A3Z39DL

**Manual Integrations APPROVED**
Sohil
9/13/2018 5:43:08 PM




TIC: BE097481.D

(21) Benzo(b)fluoranthene

22.542min (+0.013) 1.06ng/ul m SJ 9/18/18

response 28459

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 32.10 | 26.98 |
| 125.00 | 17.50 | 18.27 |
| 0.00 | 0.00 | 0.00 |

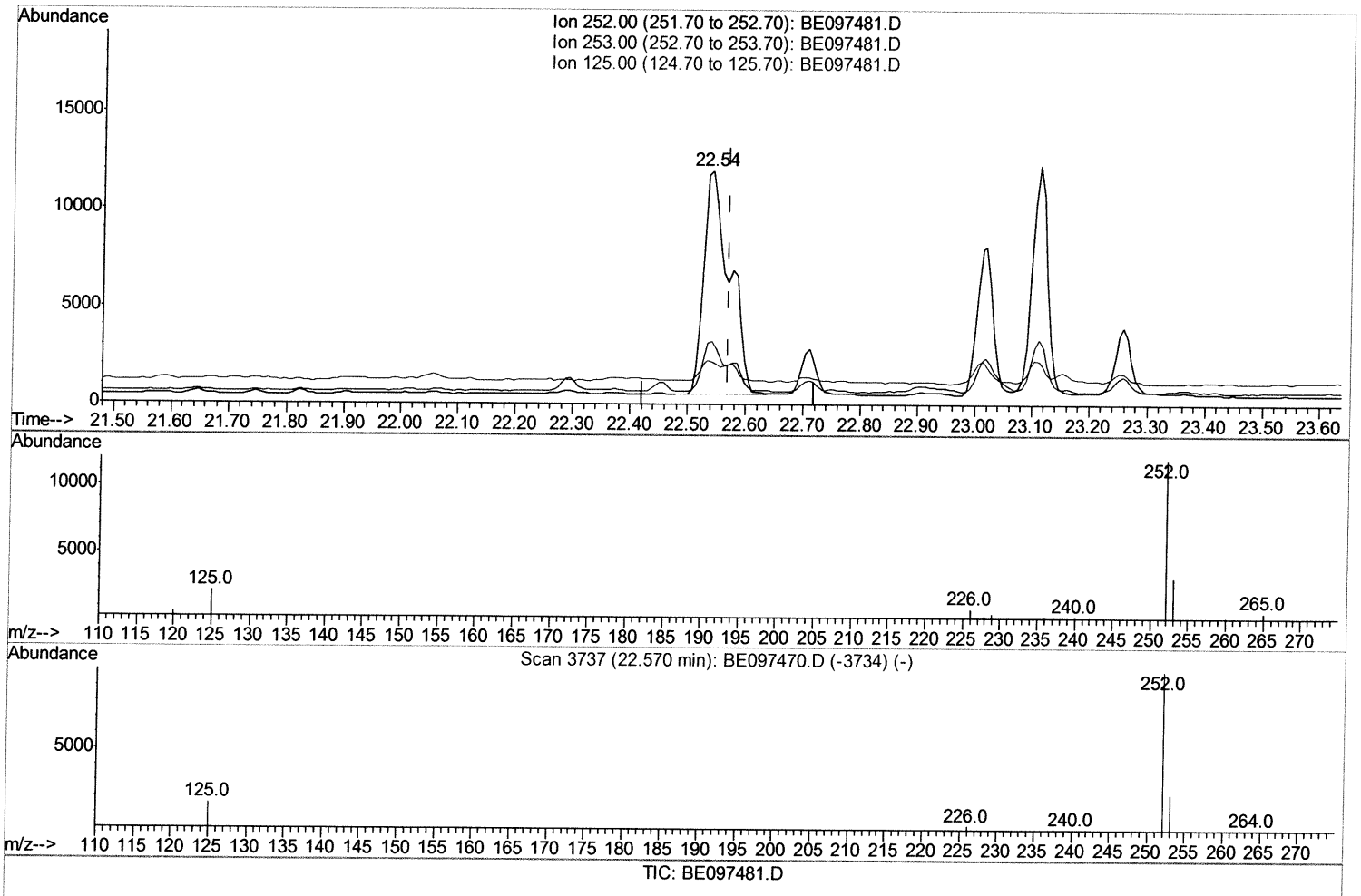
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091218\
Data File : BE097481.D
Acq On : 13 Sep 2018 9:53
Operator : SJ/JU
Sample : J4792-08DL 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Sep 13 11:31:29 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE082918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 13 07:48:38 2018
Response via : Initial Calibration

**Instrument :**
BNA_E
**ClientSampleId :**
A3Z39DL

**Manual Integrations APPROVED**
Sohil
9/13/2018 5:43:08 PM










TIC: BE097481.D

(22) Benzo(k)fluoranthene

22.542min (-0.029) 1.20ng/ul

response 35901

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 30.60 | 26.98 |
| 125.00 | 17.10 | 18.27 |
| 0.00 | 0.00 | 0.00 |

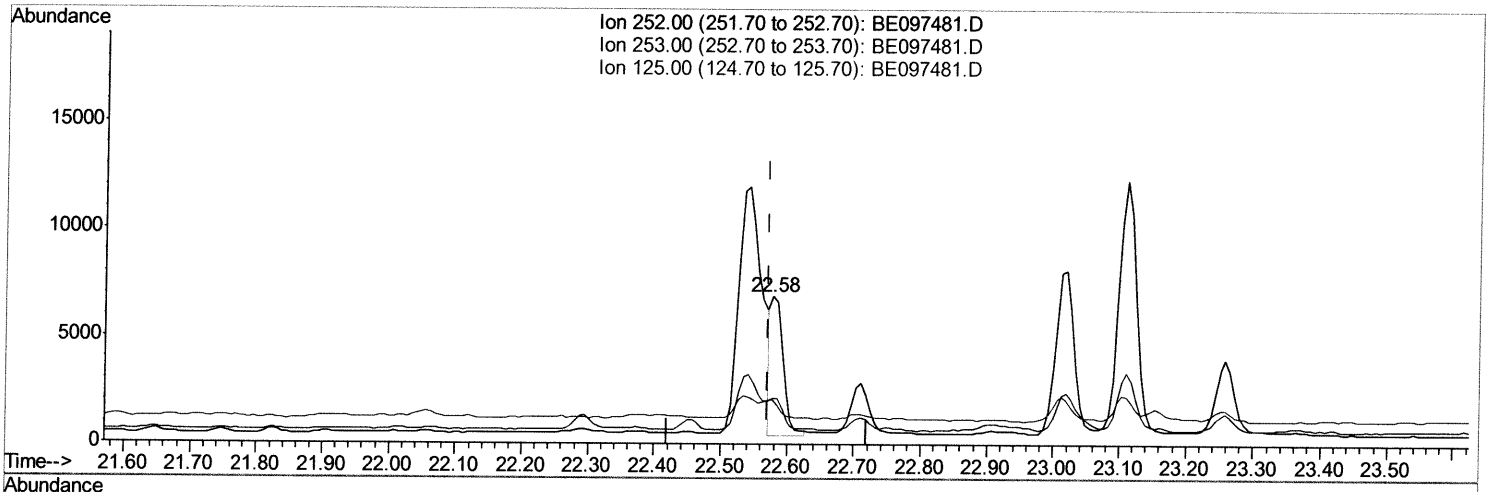
Quantitation Report (Qedit)

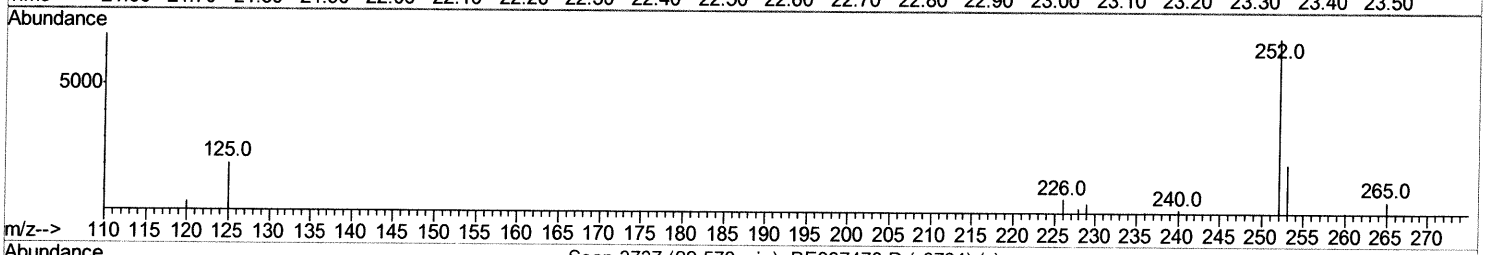
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091218\
Data File : BE097481.D
Acq On : 13 Sep 2018 9:53
Operator : SJ/JU
Sample : J4792-08DL 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

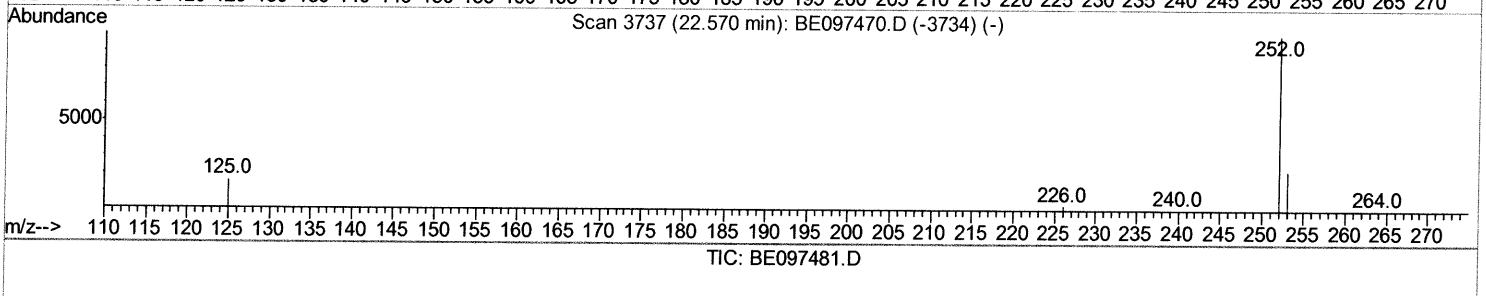
Quant Time: Sep 13 11:31:29 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE082918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 13 07:48:38 2018
Response via : Initial Calibration

**Instrument :**
BNA_E
**ClientSampleId :**
A3Z39DL

**Manual Integrations APPROVED**
Sohil
9/13/2018 5:43:08 PM




(22) Benzo(k)fluoranthene

22.577min (+0.006) 0.28ng/ul m SJ 9/14/18

response 8504

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 30.60 | 30.83 |
| 125.00 | 17.10 | 29.94# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091218\
Data File : BE097481.D
Acq On : 13 Sep 2018 9:53
Operator : SJ/JU
Sample : J4792-08DL 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
A3Z39DL

Manual Integrations APPROVED
Sohil
9/13/2018 5:43:08 PM

Quant Time: Sep 13 11:37:27 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE082918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 13 07:48:38 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.38 | 152 | 1023 | 0.40 ng/ul | 0.00 |
| 2) Naphthalene-d8 | 10.12 | 136 | 5837 | 0.40 ng/ul | 0.00 |
| 6) Acenaphthene-d10 | 14.01 | 164 | 3658 | 0.40 ng/ul | 0.00 |
| 10) Phenanthrene-d10 | 16.76 | 188 | 8658 | 0.40 ng/ul | 0.00 |
| 16) Chrysene-d12 | 20.97 | 240 | 9956 | 0.40 ng/ul | 0.00 |
| 20) Perylene-d12 | 23.21 | 264 | 10006 | 0.40 ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | |
| 4) 2-Methylnaphthalene-d10 | 11.72 | 152 | 327 | 0.04 ng/ul | 0.00 |
| 14) Fluoranthene-d10 | 18.81 | 212 | 1005 | 0.04 ng/ul | 0.00 |
| **Target Compounds** | | | | | Qvalue |
| 3) Naphthalene | 10.17 | 128 | 7007 | 0.492 ng/ul# | 93 |
| 5) 2-Methylnaphthalene | 11.80 | 142 | 2382 | 0.265 ng/ul | 98 |
| 7) Acenaphthylene | 13.73 | 152 | 4195 | 0.315 ng/ul | 99 |
| 8) Acenaphthene | 14.07 | 153 | 2190 | 0.191 ng/ul | 96 |
| 9) Fluorene | 15.07 | 166 | 5651 | 0.430 ng/ul | 93 |
| 12) Phenanthrene | 16.80 | 178 | 43721 | 1.962 ng/ul# | 89 |
| 13) Anthracene | 16.90 | 178 | 10176 | 0.543 ng/ul# | 93 |
| 15) Fluoranthene | 18.83 | 202 | 39190 | 1.369 ng/ul | 84 |
| 17) Pyrene | 19.20 | 202 | 36183 | 1.351 ng/ul# | 80 |
| 18) Benzo(a)anthracene | 20.96 | 228 | 19652 | 0.768 ng/ul# | 86 |
| 19) Chrysene | 21.01 | 228 | 17657m | 0.599 ng/ul | |
| 21) Benzo(b)fluoranthene | 22.54 | 252 | 28459m | 1.062 ng/ul | |
| 22) Benzo(k)fluoranthene | 22.58 | 252 | 8504m | 0.285 ng/ul | |
| 23) Benzo(a)pyrene | 23.11 | 252 | 21470 | 0.866 ng/ul# | 88 |
| 24) Indeno(1,2,3-cd)pyrene | 25.51 | 276 | 19393 | 0.604 ng/ul# | 72 |
| 25) Dibenzo(a,h)anthracene | 25.52 | 278 | 4639 | 0.170 ng/ul# | 65 |
| 26) Benzo(g,h,i)perylene | 26.21 | 276 | 17325 | 0.632 ng/ul | 93 |

SJ 9/18/18

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