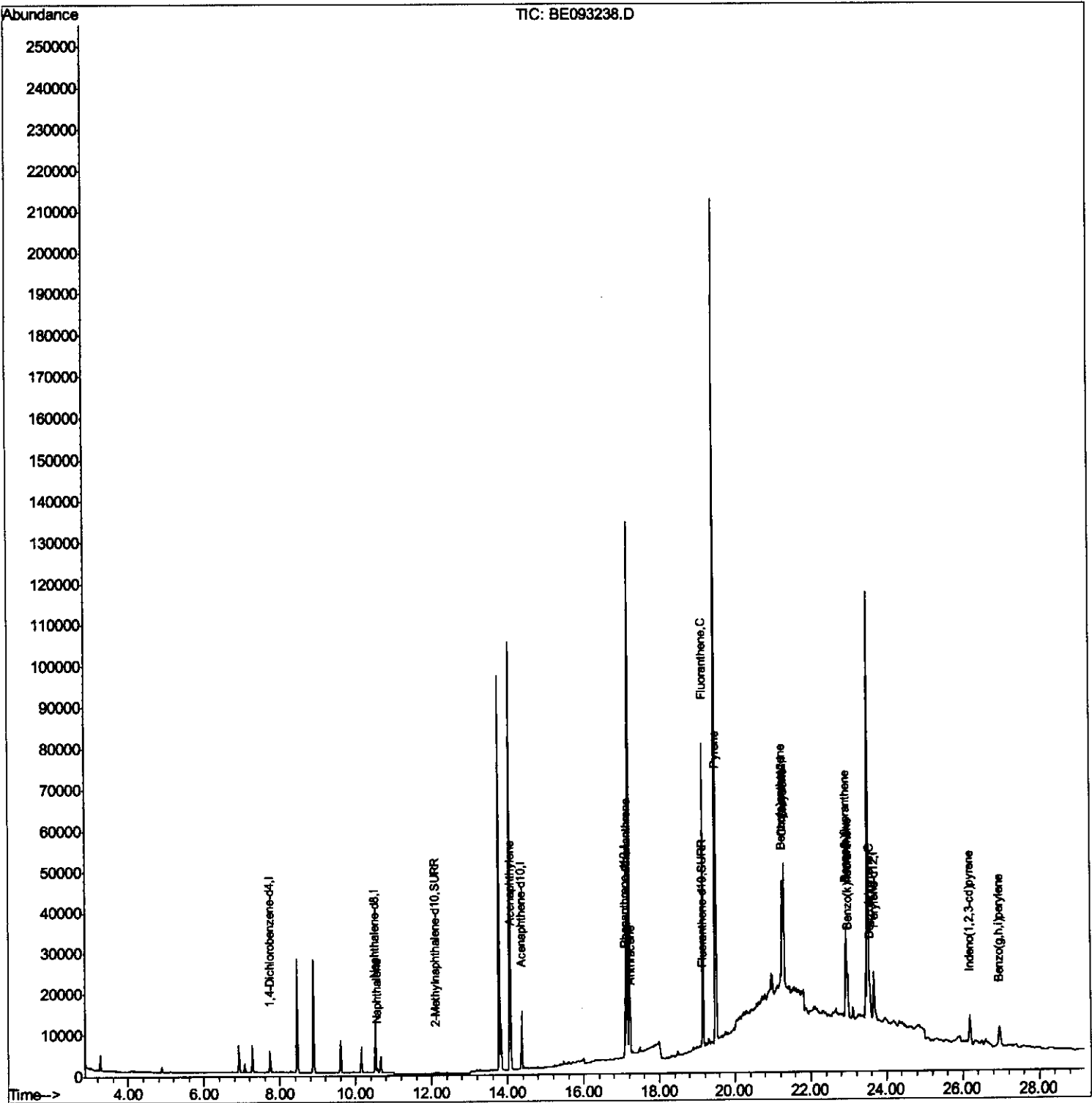


Data File : BE093238.D  
Acq On : 16 Jun 2017 14:25  
Operator : SJ/MA  
Sample : I3521-06DL 5X  
Misc :  
ALS Vial : 30 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
F5C54DL

Manual Integrations  
APPROVED  
mohammad  
6/19/2017 11:07:46 AM

Quant Time: Jun 19 07:30:18 2017  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE060717.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jun 16 05:36:31 2017  
Response via : Initial Calibration



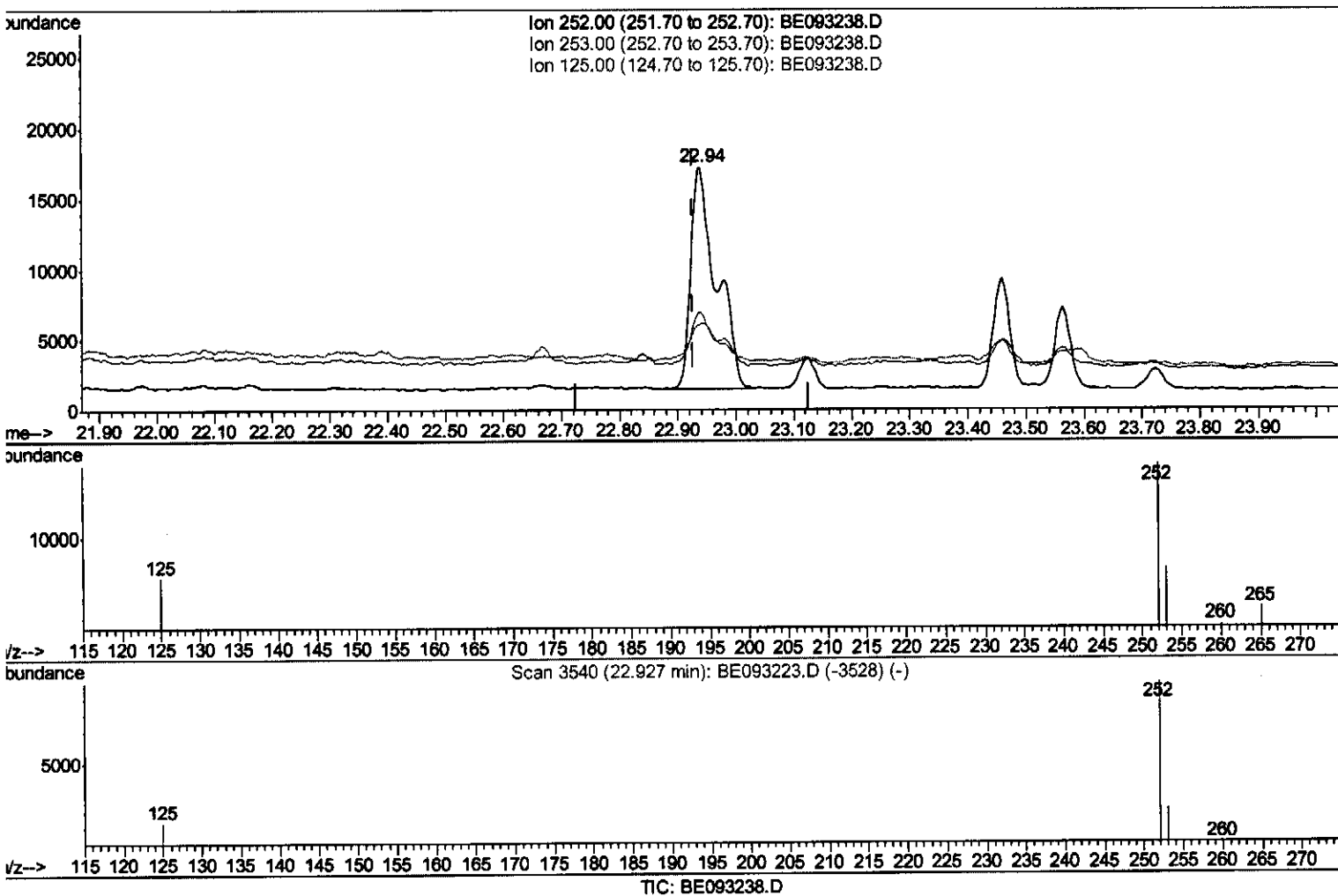
Data Path : Z:\HPCHEM1\BNA\_E\Data\BE061517\  
Data File : BE093238.D  
Acq On : 16 Jun 2017 14:25  
Operator : SJ/MA  
Sample : I3521-06DL 10X  
Misc :  
ALS Vial : 30 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
F5C54DL

Manual Integrations  
APPROVED

mohammad  
6/19/2017 11:07:46 AM

Quant Time: Jun 16 16:29:31 2017  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE060717.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jun 16 05:36:31 2017  
Response via : Initial Calibration



(21) Benzo(b)fluoranthene

22.940min (+0.013) 0.95ng/ul

response 48740

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 32.10 | 40.54  |
| 125.00 | 17.50 | 35.55# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

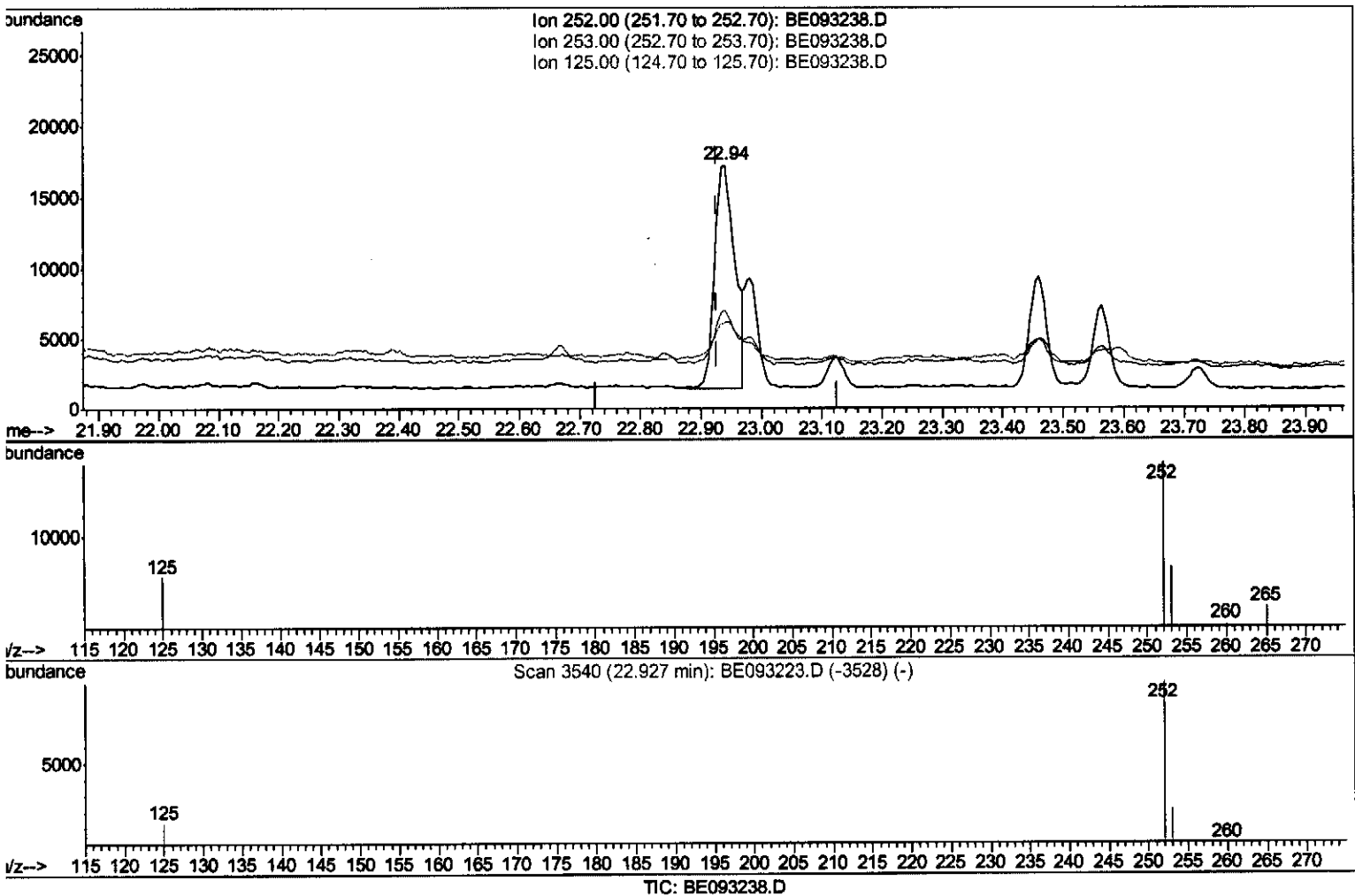
Data Path : Z:\HPCHEM1\BNA\_E\Data\BE061517\  
 Data File : BE093238.D  
 Acq On : 16 Jun 2017 14:25  
 Operator : SJ/MA  
 Sample : I3521-06DL 10X  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampled :  
 F5C54DL

Manual Integrations  
 APPROVED

mohammad  
 6/19/2017 11:07:46 AM

Quant Time: Jun 16 16:29:31 2017  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE060717.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 16 05:36:31 2017  
 Response via : Initial Calibration



(21) Benzo(b)fluoranthene

22.940min (+0.013) 0.71ng/ul m

response 36600

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 32.10 | 40.54  |
| 125.00 | 17.50 | 35.55# |
| 0.00   | 0.00  | 0.00   |

>  $\frac{SJ}{06/21/17}$

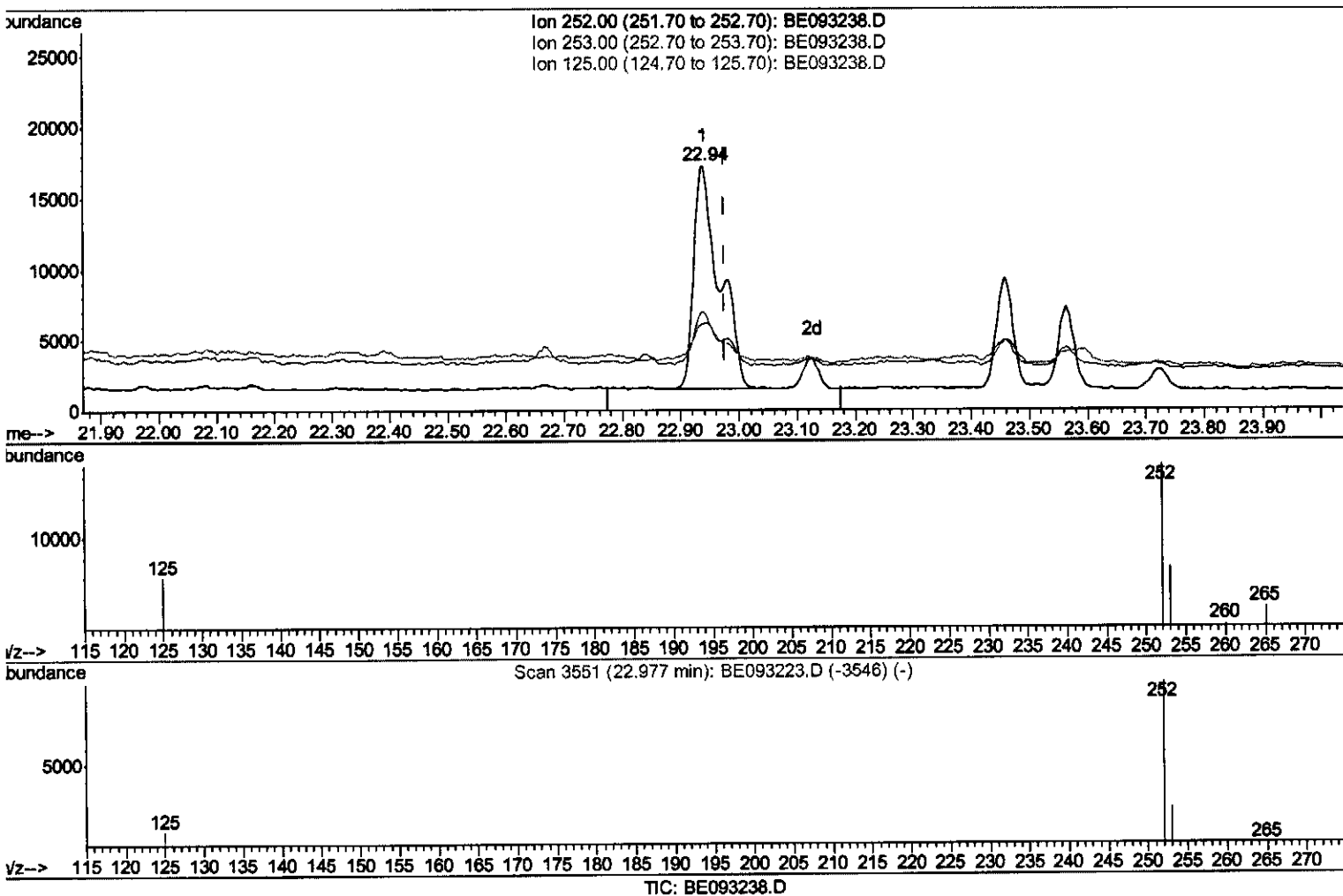
Data Path : Z:\HPCHEM1\BNA\_E\Data\BE061517\  
Data File : BE093238.D  
Acq On : 16 Jun 2017 14:25  
Operator : SJ/MA  
Sample : I3521-06DL 10X  
Misc :  
ALS Vial : 30 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampled :  
F5C54DL

Manual Integrations  
APPROVED

mohammad  
6/19/2017 11:07:46 AM

Quant Time: Jun 16 16:29:31 2017  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE060717.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jun 16 05:36:31 2017  
Response via : Initial Calibration



(22) Benzo(k)fluoranthene

22.940min (-0.037) 0.89ng/ul

response 48740

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 30.60 | 40.54# |
| 125.00 | 17.10 | 35.55# |
| 0.00   | 0.00  | 0.00   |

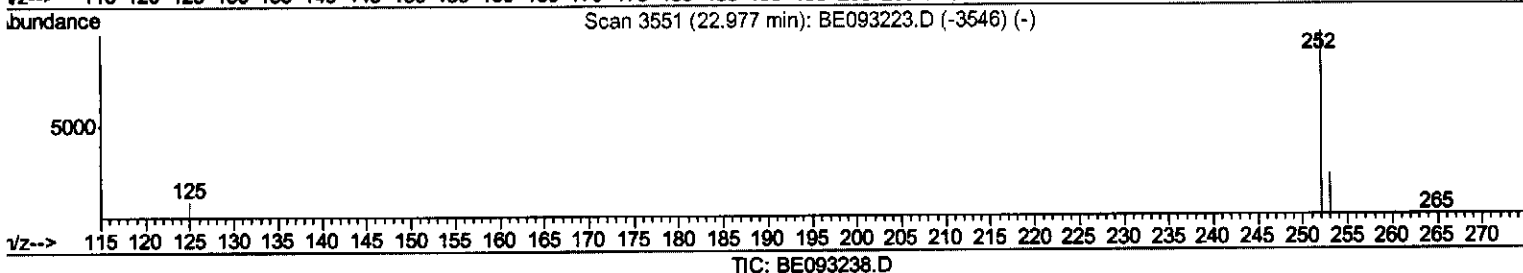
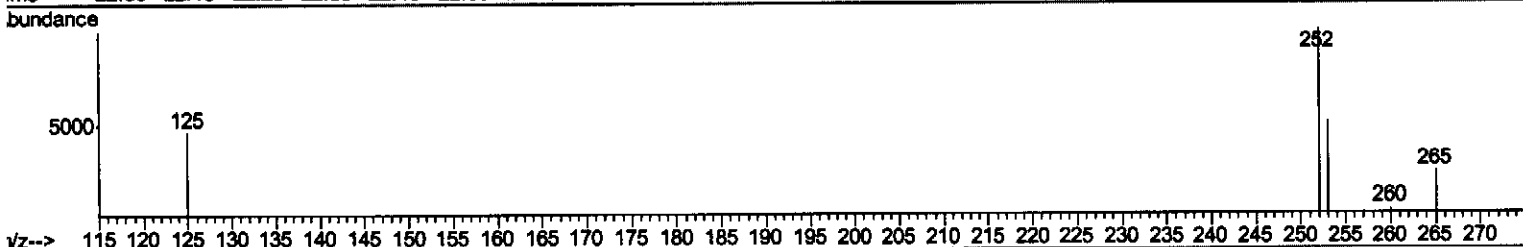
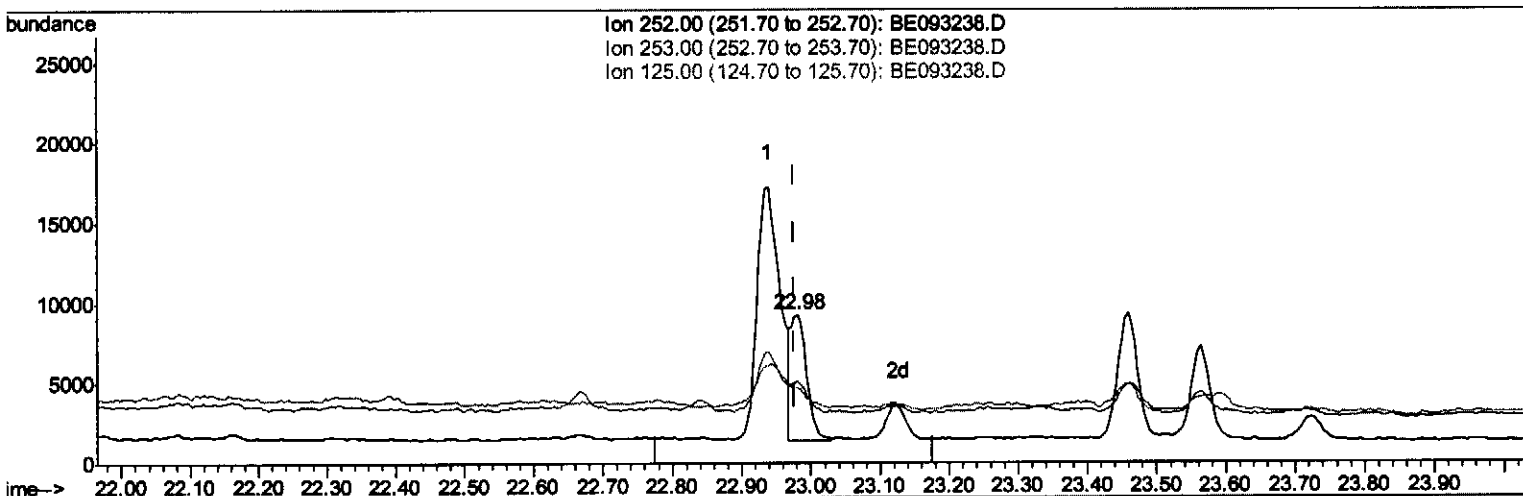
Data Path : Z:\HPCHEM1\BNA\_E\Data\BE061517\  
Data File : BE093238.D  
Acq On : 16 Jun 2017 14:25  
Operator : SJ/MA  
Sample : I3521-06DL 10X  
Misc :  
ALS Vial : 30 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
F5C54DL

Manual Integrations  
APPROVED

mohammad  
6/19/2017 11:07:46 AM

Quant Time: Jun 16 16:29:31 2017  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE060717.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jun 16 05:36:31 2017  
Response via : Initial Calibration



TIC: BE093238.D

(22) Benzo(k)fluoranthene

22.981min (+0.004) 0.23ng/ul m

response 12560

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 30.60 | 54.49# |
| 125.00 | 17.10 | 50.74# |
| 0.00   | 0.00  | 0.00   |

>  $\frac{SJ}{06/21/17}$

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE061517\  
Quantitation Report (QT Reviewed)

Data File : BE093238.D  
Acq On : 16 Jun 2017 14:25  
Operator : SJ/MA  
Sample : I3521-06DL 5X  
Misc :  
ALS Vial : 30 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
F5C54DL

Manual Integrations  
APPROVED

mohammad  
6/19/2017 11:07:46 AM

Quant Time: Jun 19 07:30:18 2017  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE060717.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jun 16 05:36:31 2017  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.74  | 152  | 2541     | 0.40 | ng/ul | 0.00     |
| 2) Naphthalene-d8         | 10.52 | 136  | 12708    | 0.40 | ng/ul | 0.00     |
| 6) Acenaphthene-d10       | 14.37 | 164  | 7678     | 0.40 | ng/ul | 0.00     |
| 10) Phenanthrene-d10      | 17.10 | 188  | 19236    | 0.40 | ng/ul | 0.00     |
| 16) Chrysene-d12          | 21.26 | 240  | 18407    | 0.40 | ng/ul | 0.00     |
| 20) Perylene-d12          | 23.67 | 264  | 16905    | 0.40 | ng/ul | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Methylnaphthalene-d10  | 12.11 | 152  | 792      | 0.04 | ng/ul | 0.00     |
| 14) Fluoranthene-d10        | 19.13 | 212  | 2290     | 0.04 | ng/ul | 0.00     |

| Target Compounds           | R.T.  | QIon | Response | Conc | Units  | Qvalue |
|----------------------------|-------|------|----------|------|--------|--------|
| 3) Naphthalene             | 10.57 | 128  | 1393     | 0.04 | ng/ul# | 82     |
| 7) Acenaphthylene          | 14.09 | 152  | 4813     | 0.15 | ng/ul  | 97     |
| 12) Phenanthrene           | 17.13 | 178  | 43480    | 0.82 | ng/ul# | 86     |
| 13) Anthracene             | 17.24 | 178  | 9476     | 0.21 | ng/ul# | 86     |
| 15) Fluoranthene           | 19.16 | 202  | 78447    | 1.21 | ng/ul  | 84     |
| 17) Pyrene                 | 19.52 | 202  | 56728    | 1.05 | ng/ul# | 87     |
| 18) Benzo(a)anthracene     | 21.25 | 228  | 15295    | 0.31 | ng/ul# | 51     |
| 19) Chrysene               | 21.30 | 228  | 33777    | 0.66 | ng/ul# | 74     |
| 21) Benzo(b)fluoranthene   | 22.94 | 252  | 36600m   | 0.71 | ng/ul  |        |
| 22) Benzo(k)fluoranthene   | 22.98 | 252  | 12560m   | 0.23 | ng/ul  |        |
| 23) Benzo(a)pyrene         | 23.56 | 252  | 11263    | 0.23 | ng/ul# | 46     |
| 24) Indeno(1,2,3-cd)pyrene | 26.19 | 276  | 11717    | 0.21 | ng/ul# | 90     |
| 26) Benzo(g,h,i)perylene   | 26.97 | 276  | 9759     | 0.20 | ng/ul# | 45     |

SJ  
06/21/17

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