

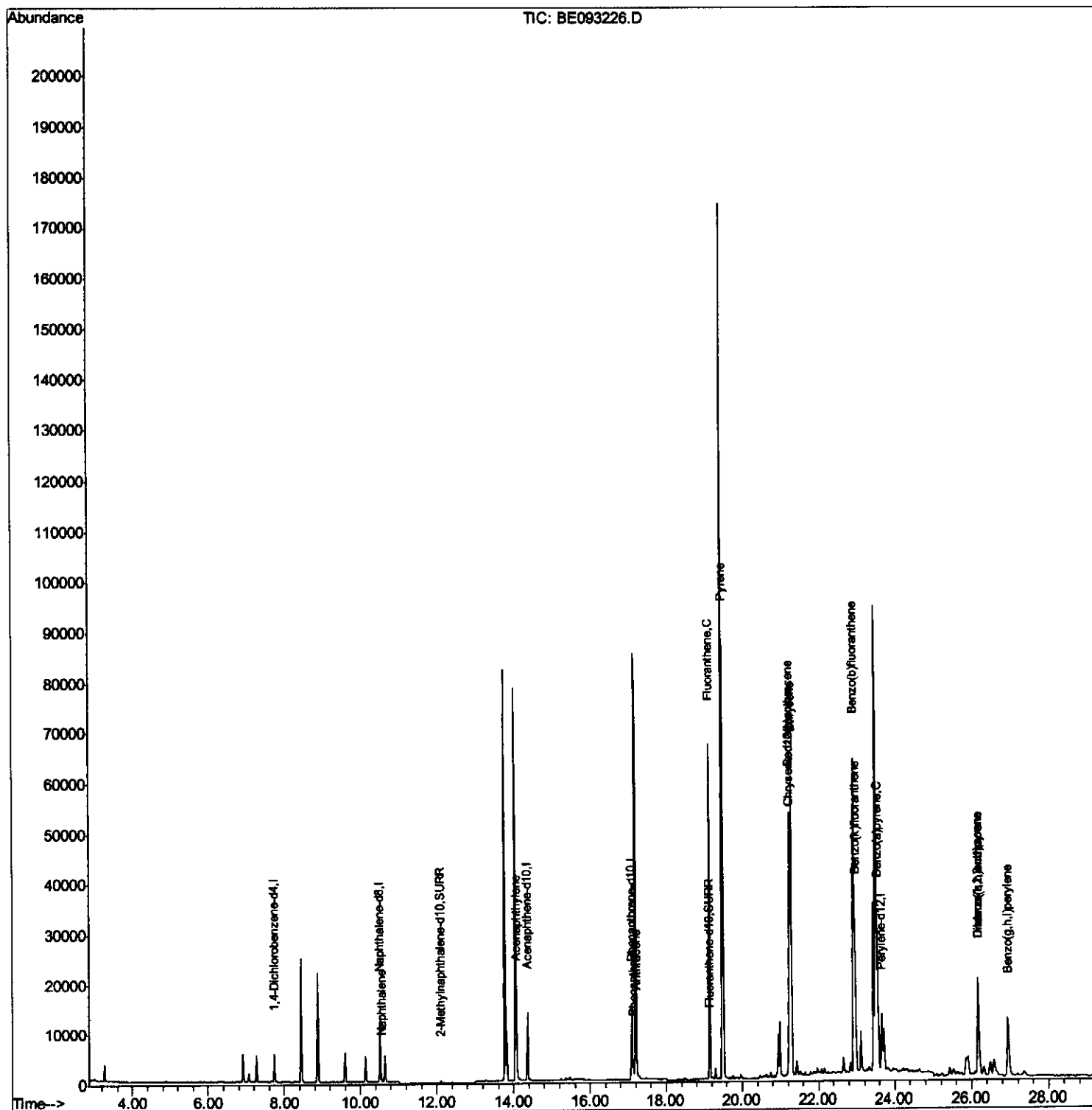
Data Path : Z:\HPCHEM1\BNA E\DATA\BE061517\  
Data File : BE093226.D  
Acq On : 16 Jun 2017 2:02  
Operator : SJ/MA  
Sample : I3521-05DL 10X  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampled :  
F5C48DL

Manual Integrations  
APPROVED

mohammad  
6/19/2017 11:07:09 AM

Quant Time: Jun 16 05:55:23 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



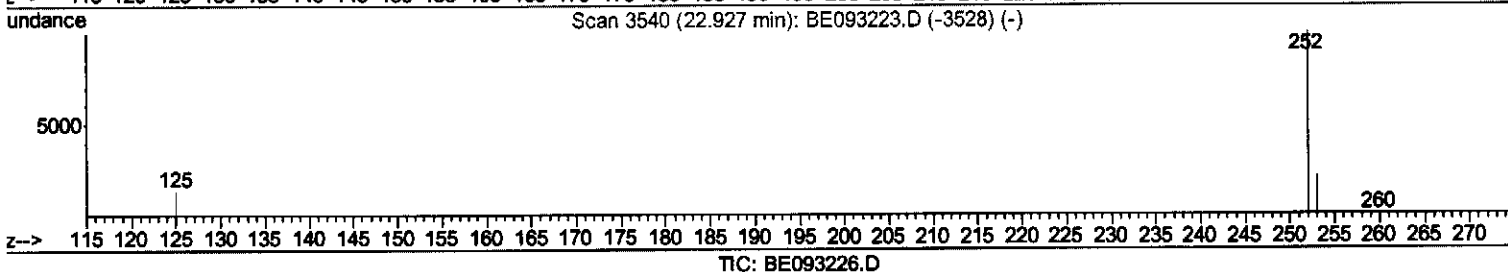
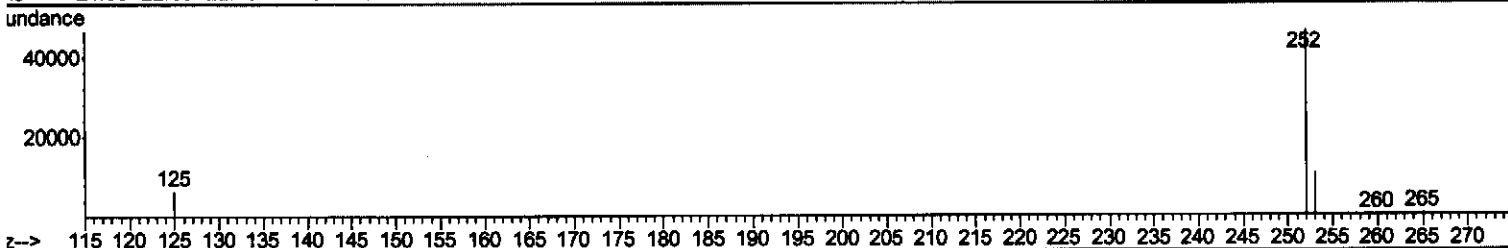
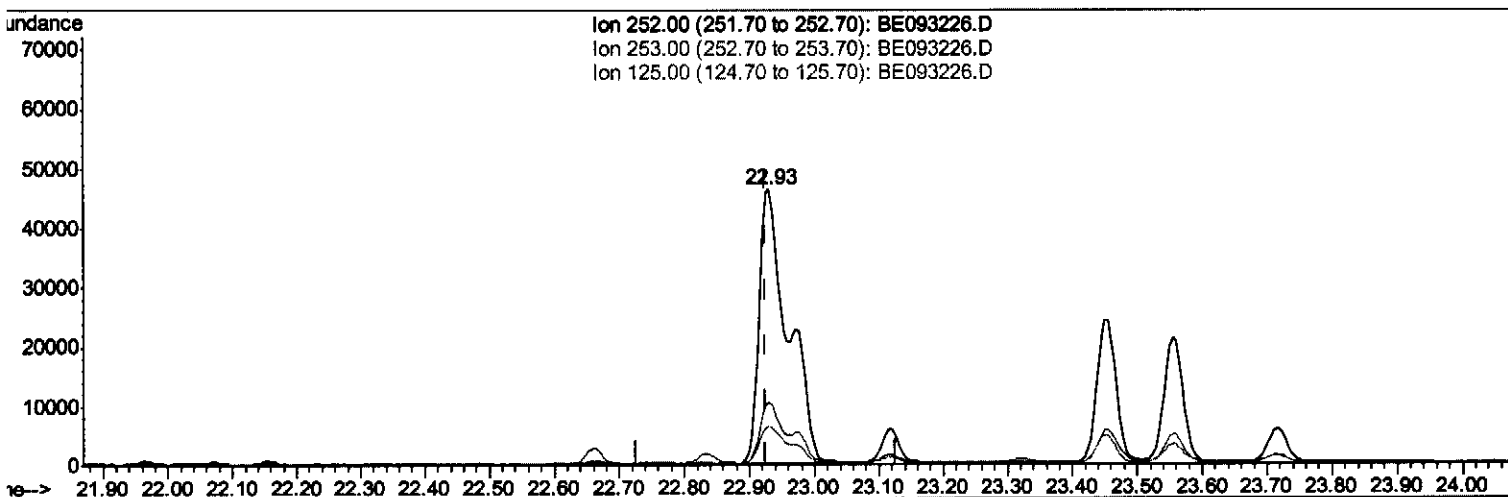
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(21) Benzo(b)fluoranthene

22.931min (+0.005) 2.79ng/ul

response 141958

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 32.10 | 22.76 |
| 125.00 | 17.50 | 14.17 |
| 0.00   | 0.00  | 0.00  |

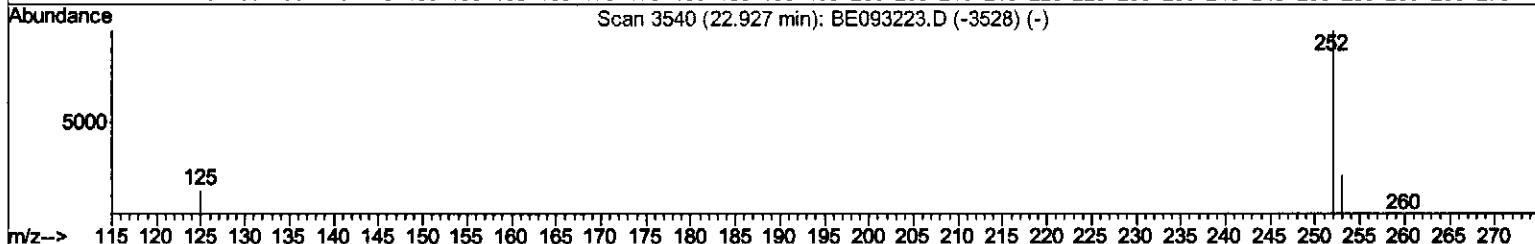
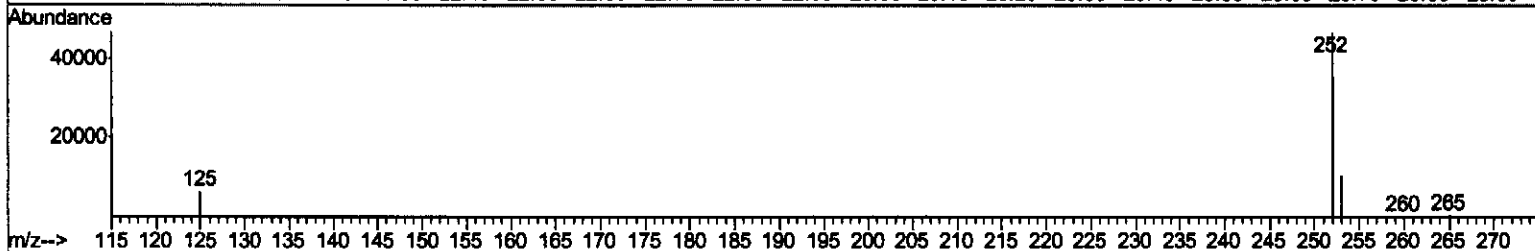
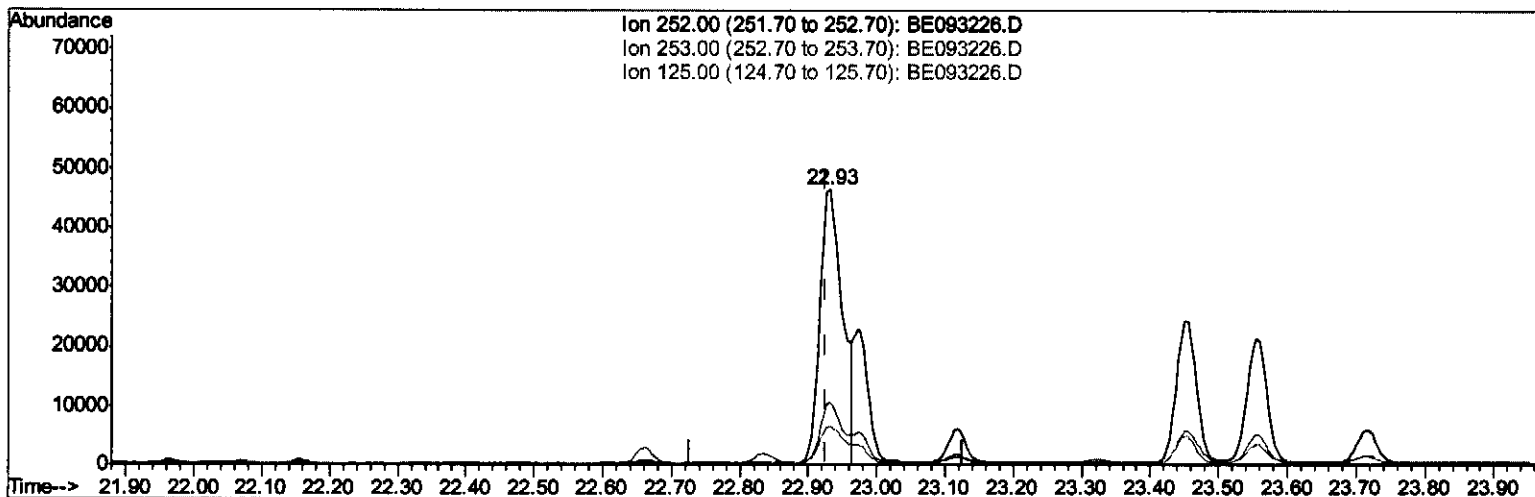
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(21) Benzo(b)fluoranthene

22.931min (+0.005) 2.14ng/ul m

response 108809

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 32.10 | 22.76 |
| 125.00 | 17.50 | 14.17 |
| 0.00   | 0.00  | 0.00  |

SJ  
06/21/17

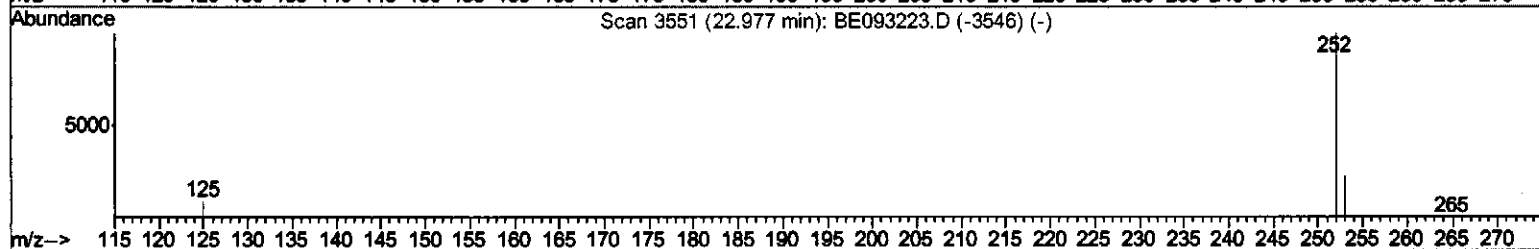
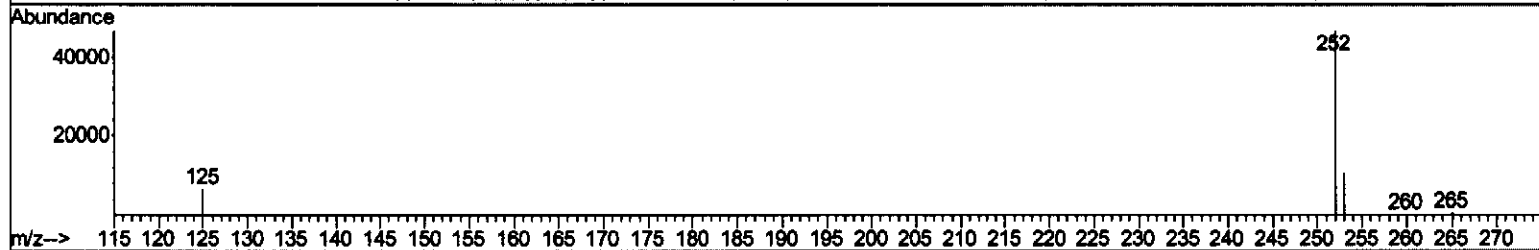
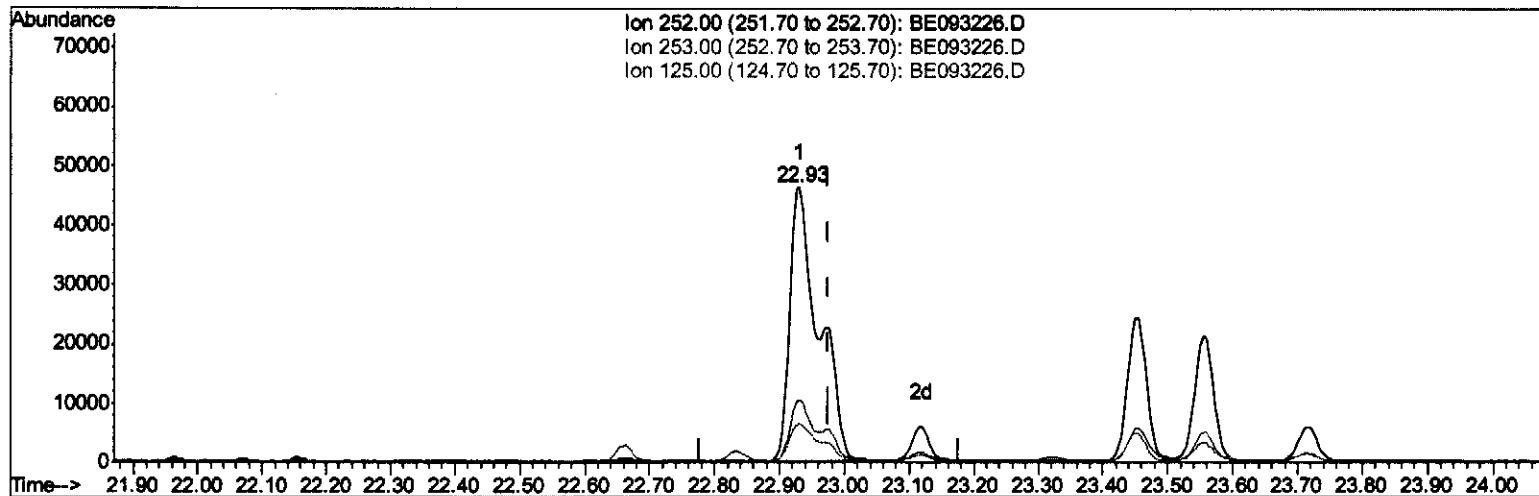
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TIC: BE093226.D

(22) Benzo(k)fluoranthene

22.931min (-0.045) 2.63ng/ul

response 141958

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 30.60 | 22.76# |
| 125.00 | 17.10 | 14.17  |
| 0.00   | 0.00  | 0.00   |

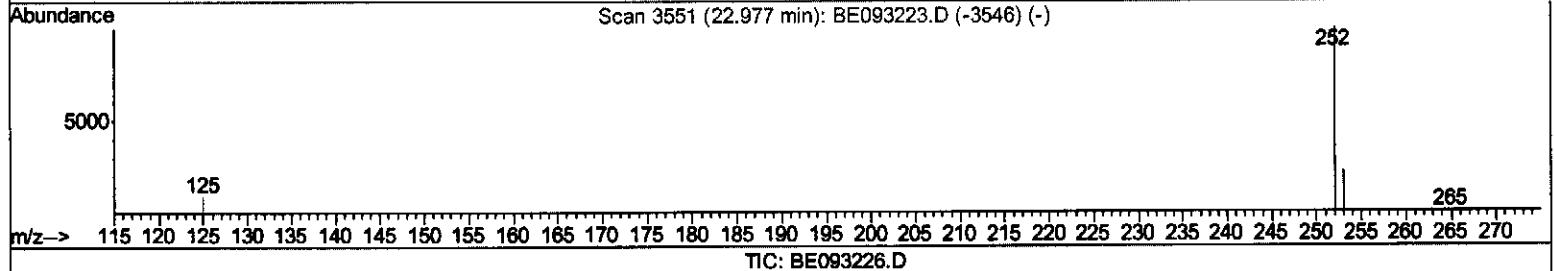
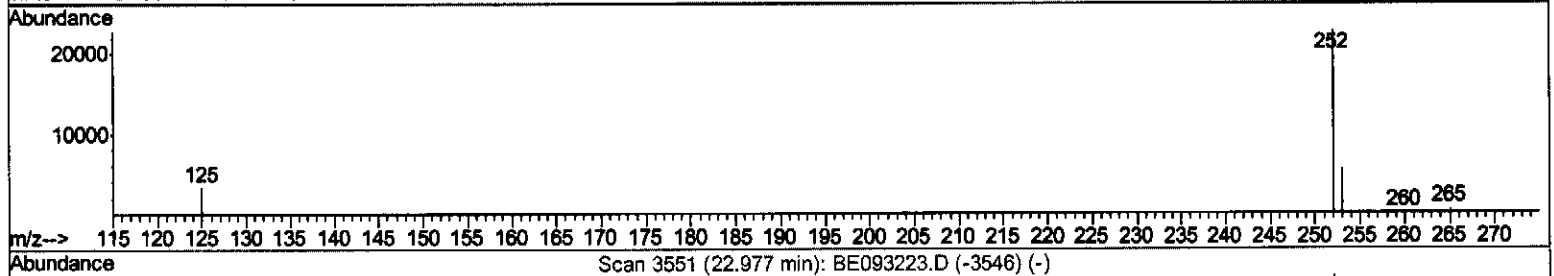
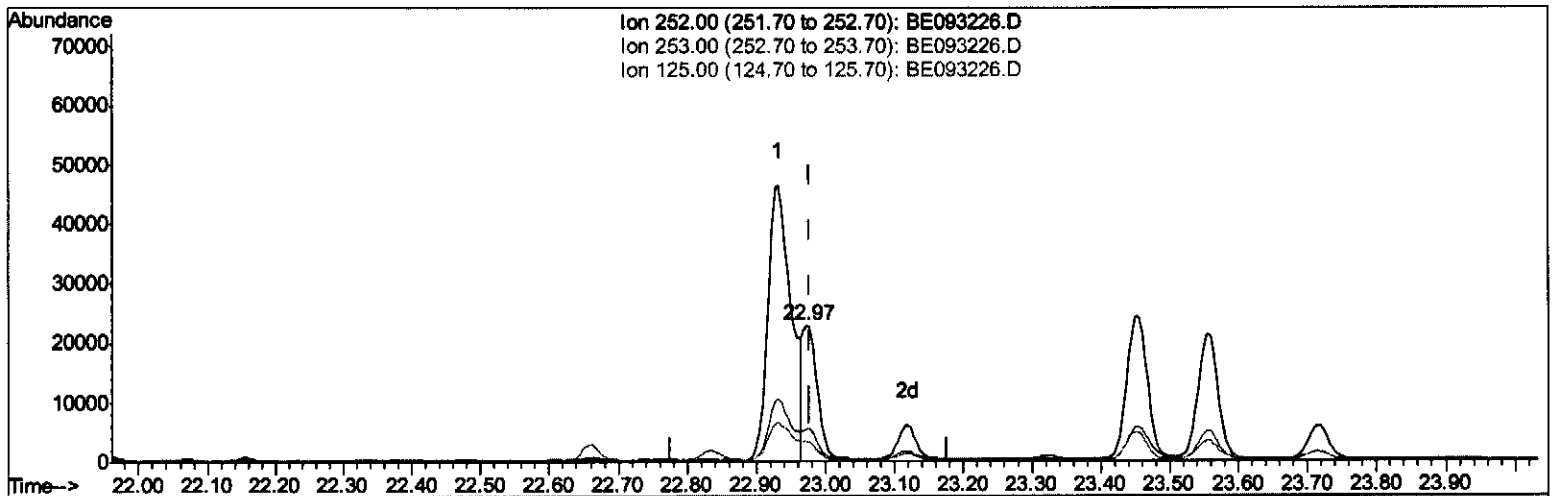
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ALS Vial : 20 Sample Multiplier: 1

Instrument :  
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(22) Benzo(k)fluoranthene

22.972min (-0.004) 0.64ng/ul m

response 34860

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 30.60 | 23.99# |
| 125.00 | 17.10 | 14.90  |
| 0.00   | 0.00  | 0.00   |

SJ  
06/21/17

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 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
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| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.74  | 152  | 2683     | 0.40 | ng/ul | 0.00     |
| 2) Naphthalene-d8         | 10.52 | 136  | 13712    | 0.40 | ng/ul | 0.00     |
| 6) Acenaphthene-d10       | 14.37 | 164  | 7653     | 0.40 | ng/ul | 0.00     |
| 10) Phenanthrene-d10      | 17.10 | 188  | 18110    | 0.40 | ng/ul | 0.00     |
| 16) Chrysene-d12          | 21.26 | 240  | 18898    | 0.40 | ng/ul | 0.00     |
| 20) Perylene-d12          | 23.66 | 264  | 16774    | 0.40 | ng/ul | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Methylnaphthalene-d10  | 12.11 | 152  | 653      | 0.03 | ng/ul | 0.00     |
| 14) Fluoranthene-d10        | 19.13 | 212  | 1793     | 0.04 | ng/ul | 0.00     |

| Target Compounds           | R.T.  | QIon | Response | Conc | Units  | Ovalue |
|----------------------------|-------|------|----------|------|--------|--------|
| 3) Naphthalene             | 10.56 | 128  | 704      | 0.02 | ng/ul# | 83     |
| 7) Acenaphthylene          | 14.08 | 152  | 8040     | 0.24 | ng/ul  | 97     |
| 12) Phenanthrene           | 17.14 | 178  | 4222     | 0.08 | ng/ul# | 89     |
| 13) Anthracene             | 17.22 | 178  | 8377     | 0.19 | ng/ul# | 88     |
| 15) Fluoranthene           | 19.15 | 202  | 70016    | 1.15 | ng/ul  | 84     |
| 17) Pyrene                 | 19.51 | 202  | 85998    | 1.54 | ng/ul# | 86     |
| 18) Benzo(a)anthracene     | 21.24 | 228  | 42629    | 0.85 | ng/ul# | 84     |
| 19) Chrysene               | 21.30 | 228  | 69335    | 1.33 | ng/ul  | 98     |
| 21) Benzo(b)fluoranthene   | 22.93 | 252  | 108809m  | 2.14 | ng/ul  |        |
| 22) Benzo(k)fluoranthene   | 22.97 | 252  | 34860m   | 0.64 | ng/ul  |        |
| 23) Benzo(a)pyrene         | 23.56 | 252  | 43271    | 0.90 | ng/ul# | 82     |
| 24) Indeno(1,2,3-cd)pyrene | 26.18 | 276  | 33447    | 0.60 | ng/ul# | 85     |
| 25) Dibenzo(a,h)anthracene | 26.20 | 278  | 8302     | 0.18 | ng/ul# | 89     |
| 26) Benzo(g,h,i)perylene   | 26.96 | 276  | 26403    | 0.55 | ng/ul  | 96     |

SJ  
 06/21/17

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