



Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE062017\

Quantitation Report (Qedit)

Data File : BE093289.D

Acq On : 20 Jun 2017 19:49

Operator : SJ/JU

Sample : I3627-18

Misc :

ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 21 01:51:34 2017

Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE060717.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jun 21 01:49:50 2017

Response via : Initial Calibration

Instrument :

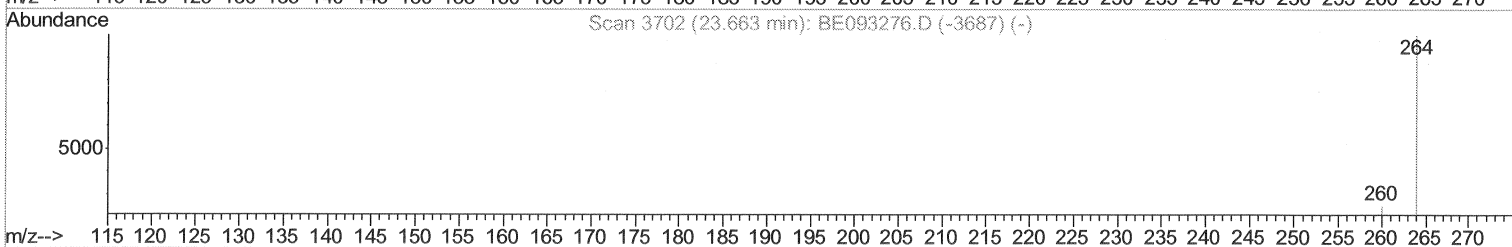
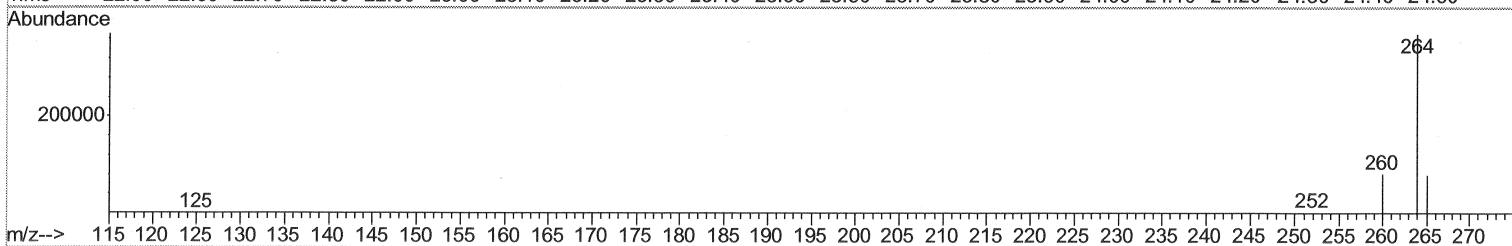
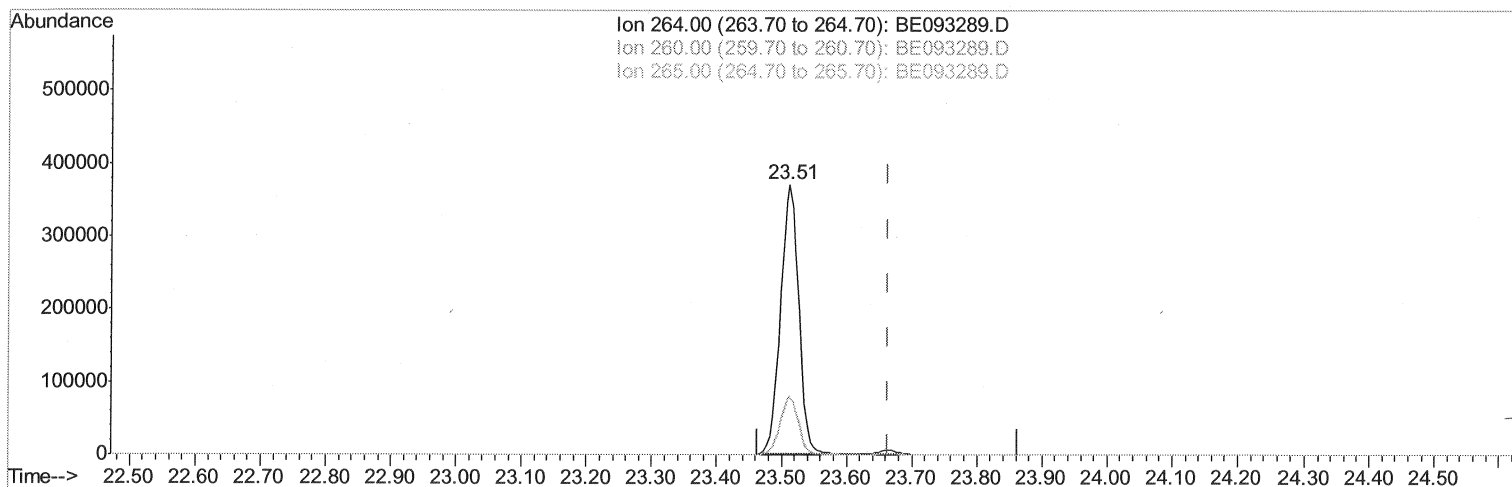
BNA\_E

ClientSampleId :

F5A91

Manual Integrations  
APPROVED

mohammad  
6/21/2017 12:18:36 PM



TIC: BE093289.D

(20) Perylene-d12 (I)

23.513min (-0.150) 0.40ng/ui

response 724211

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100    | 100    |
| 260.00 | 30.10  | 21.77# |
| 265.00 | 103.50 | 21.51# |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE062017\  
Quantitation Report (Qedit)

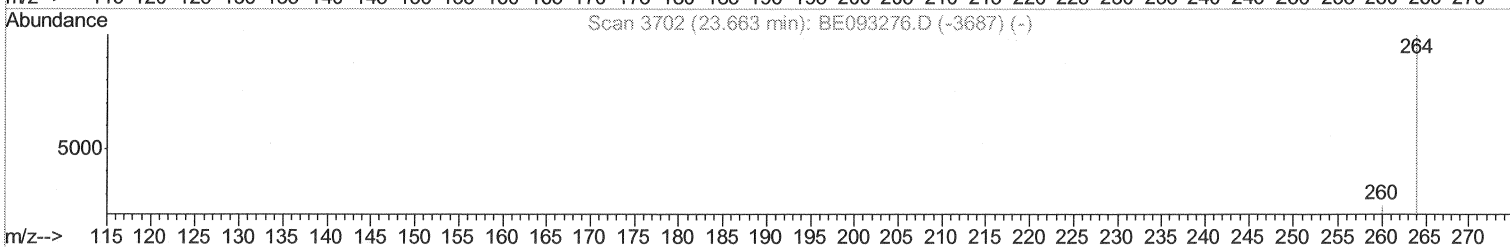
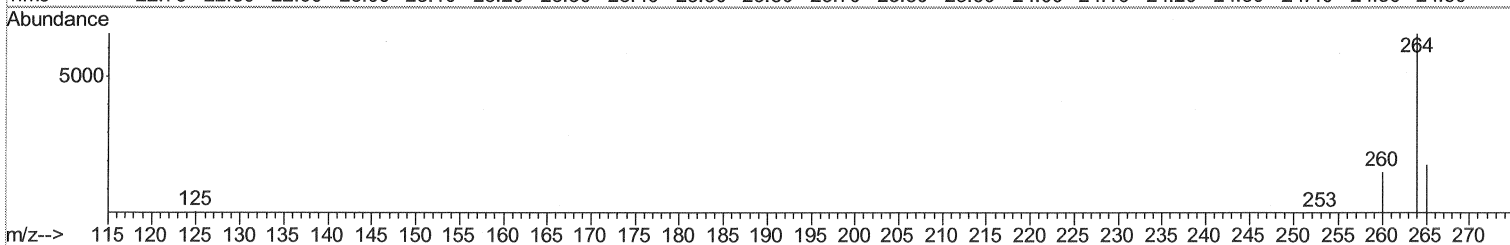
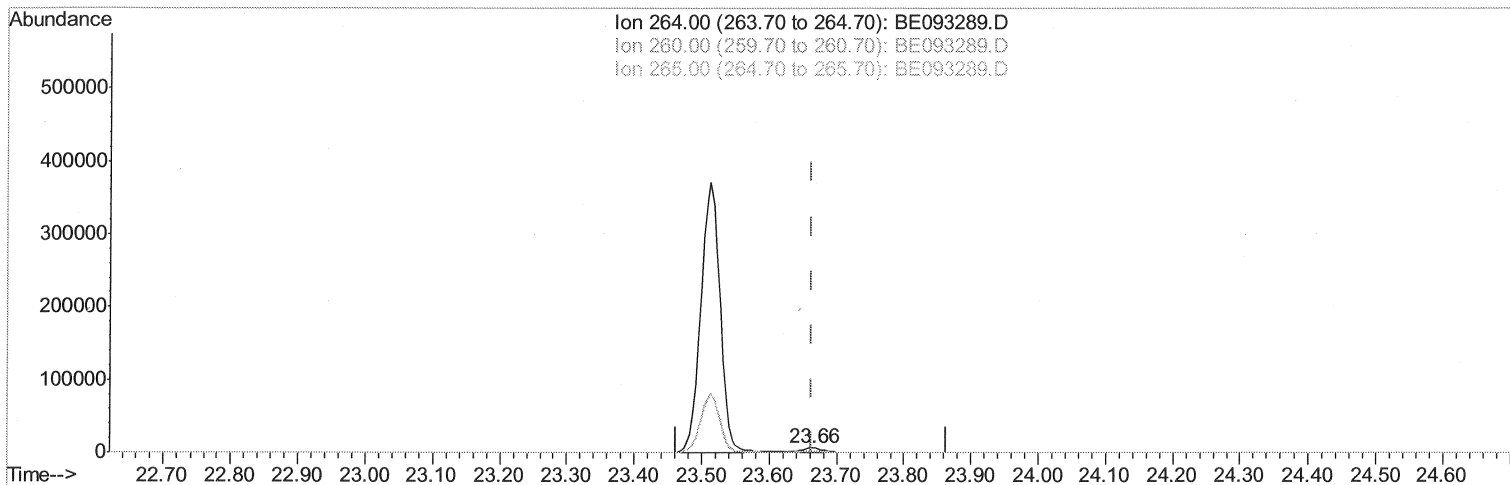
Data File : BE093289.D  
Acq On : 20 Jun 2017 19:49  
Operator : SJ/JU  
Sample : I3627-18  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
F5A91

Manual Integrations  
APPROVED

mohammad  
6/21/2017 12:18:36 PM

Quant Time: Jun 21 01:51:34 2017  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE060717.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jun 21 01:49:50 2017  
Response via : Initial Calibration



TIC: BE093289.D

(20) Perylene-d12 (I)

23.663min (-0.000) 0.40ng/ul m

response 11471

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100    | 100    |
| 260.00 | 30.10  | 25.17  |
| 265.00 | 103.50 | 28.94# |
| 0.00   | 0.00   | 0.00   |

SJ  
6/21/17

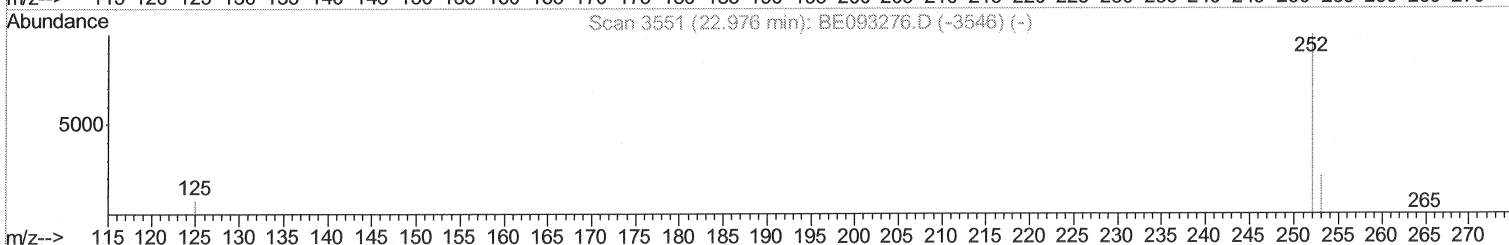
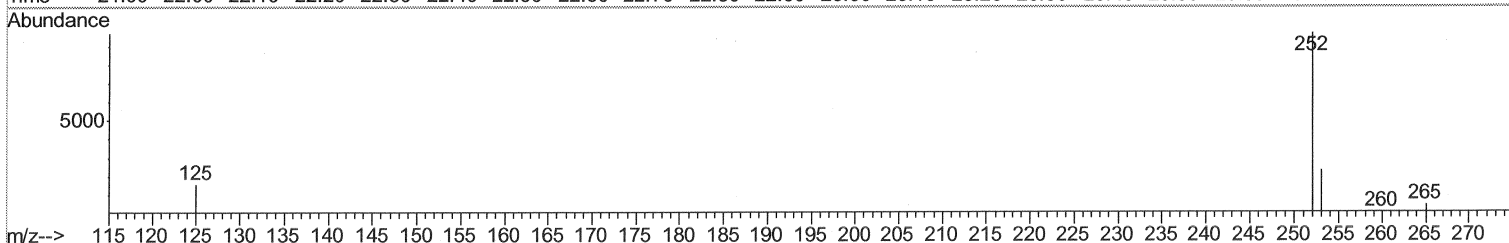
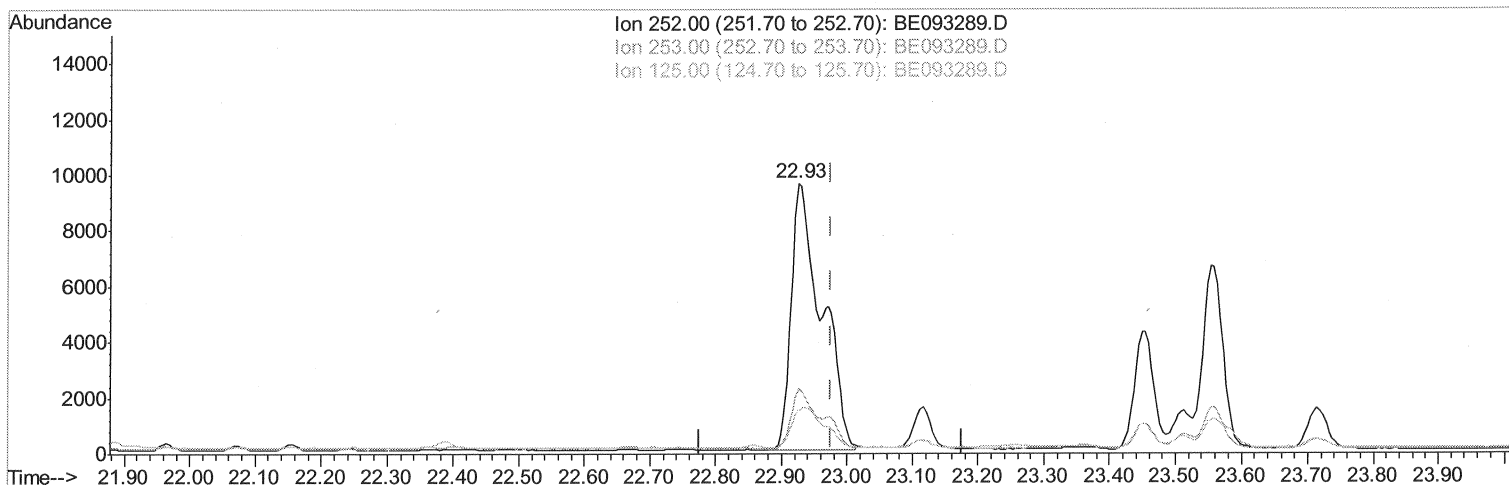
Data File : BE093289.D  
Acq On : 20 Jun 2017 19:49  
Operator : SJ/JU  
Sample : I3627-18  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
F5A91

Manual Integrations  
APPROVED

mohammad  
6/21/2017 12:18:36 PM

Quant Time: Jun 21 03:20:38 2017  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE060717.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jun 21 01:49:50 2017  
Response via : Initial Calibration



TIC: BE093289.D

(22) Benzo(k)fluoranthene  
22.926min (-0.050) 0.83ng/ul  
response 30753

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 30.60 | 24.07# |
| 125.00 | 17.10 | 16.25  |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE062017\

Quantitation Report (Qedit)

Data File : BE093289.D

Acq On : 20 Jun 2017 19:49

Operator : SJ/JU

Sample : I3627-18

Misc :

ALS Vial : 15 Sample Multiplier: 1

Instrument :

BNA\_E

ClientSampleId :

F5A91

Manual Integrations  
APPROVED

mohammad  
6/21/2017 12:18:36 PM

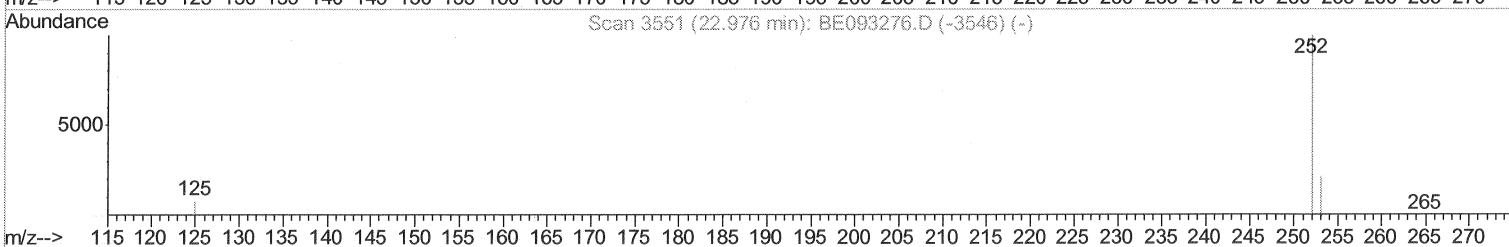
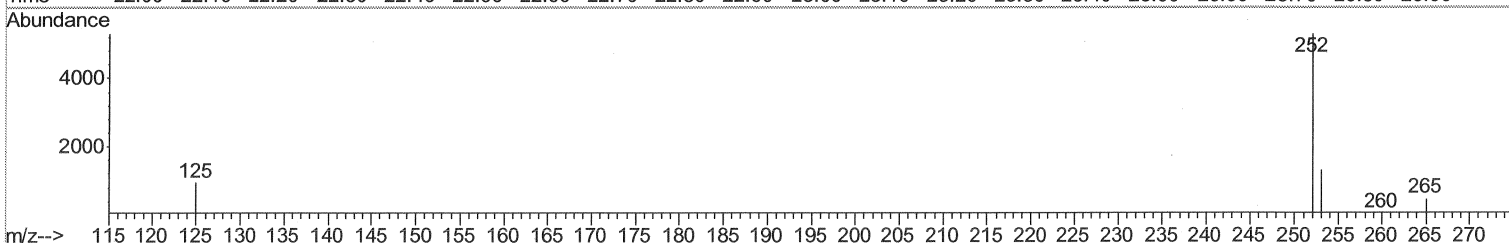
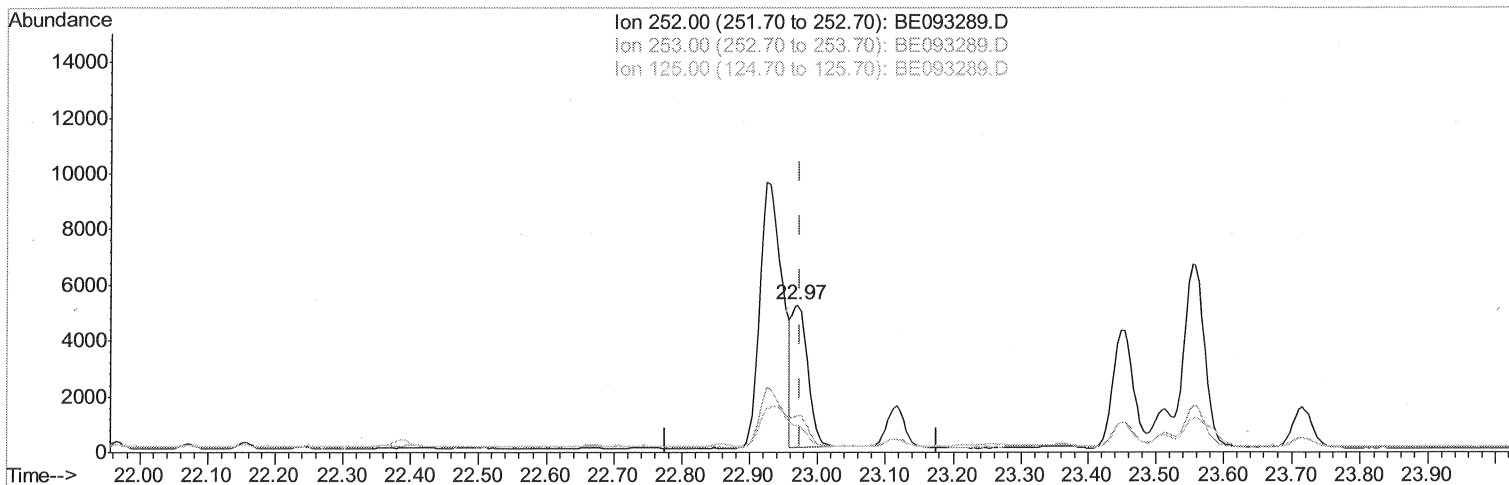
Quant Time: Jun 21 03:20:38 2017

Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE060717.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jun 21 01:49:50 2017

Response via : Initial Calibration



TIC: BE093289.D

(22) Benzo(k)fluoranthene

22.971min (-0.005) 0.23ng/ul m

response 8627

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 30.60 | 24.72 |
| 125.00 | 17.10 | 18.07 |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE062017\

Quantitation Report (Qedit)

Data File : BE093289.D

Acq On : 20 Jun 2017 19:49

Operator : SJ/JU

Sample : I3627-18

Misc :

ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 21 03:20:38 2017

Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE060717.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jun 21 01:49:50 2017

Response via : Initial Calibration

Instrument :

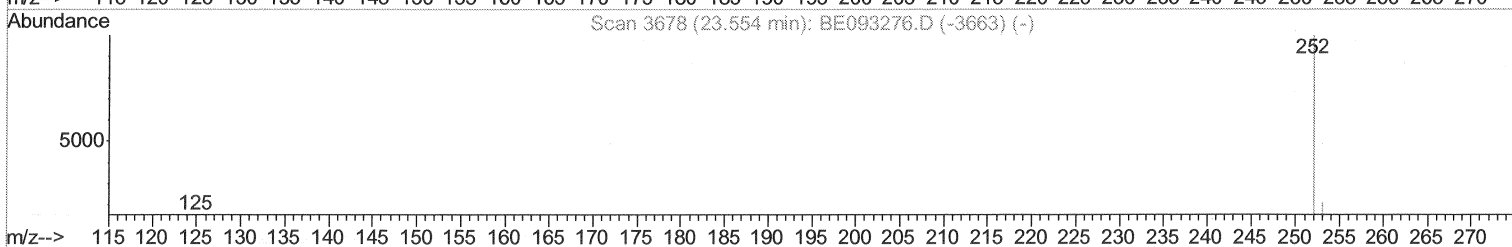
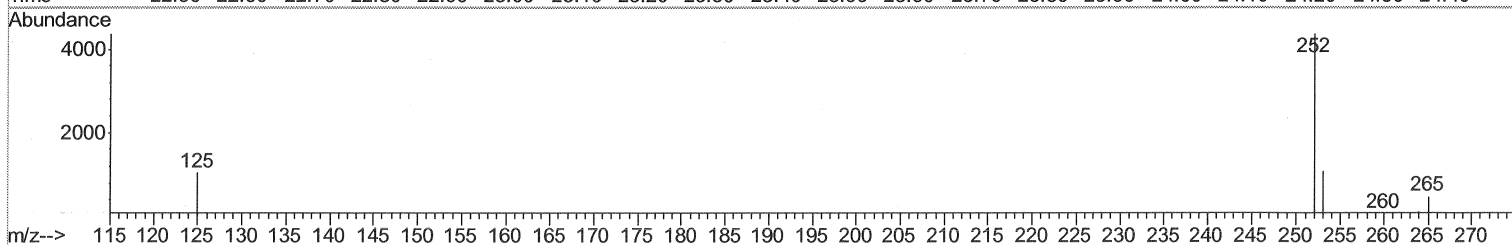
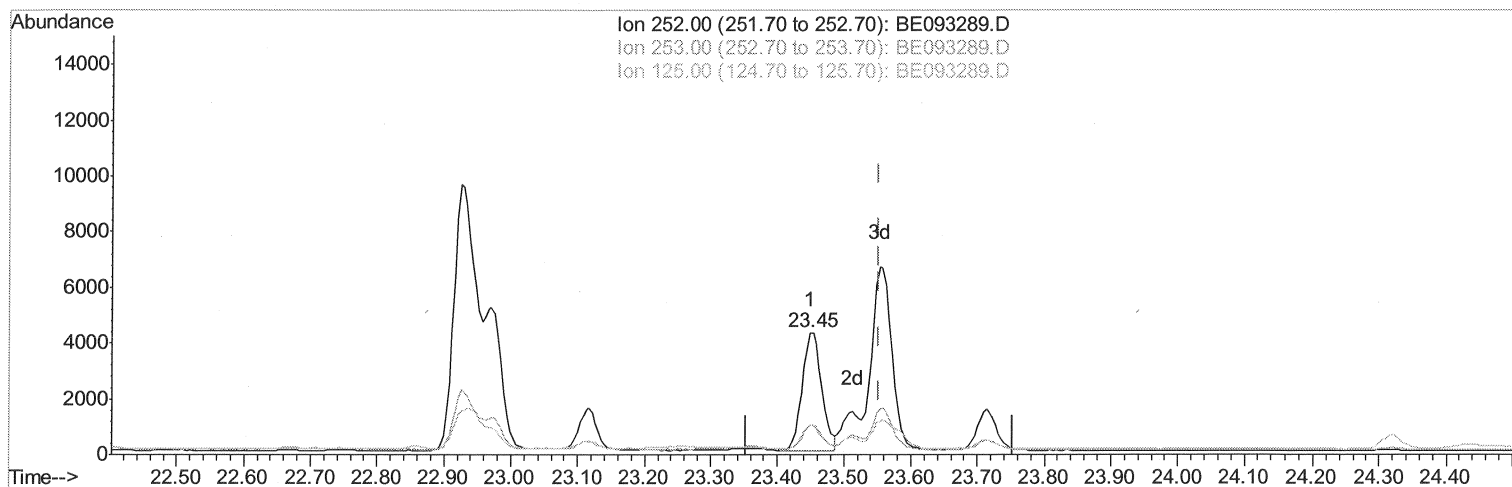
BNA\_E

ClientSampleId :

F5A91

Manual Integrations  
APPROVED

mohammad  
6/21/2017 12:18:36 PM



TIC: BE093289.D

(23) Benzo(a)pyrene (C)

23.449min (-0.105) 0.26ng/ul

response 8701

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 35.60 | 24.51# |
| 125.00 | 22.60 | 23.96  |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE062017\

Quantitation Report (Qedit)

Data File : BE093289.D

Acq On : 20 Jun 2017 19:49

Operator : SJ/JU

Sample : I3627-18

Misc :

ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 21 03:20:38 2017

Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE060717.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jun 21 01:49:50 2017

Response via : Initial Calibration

Instrument :

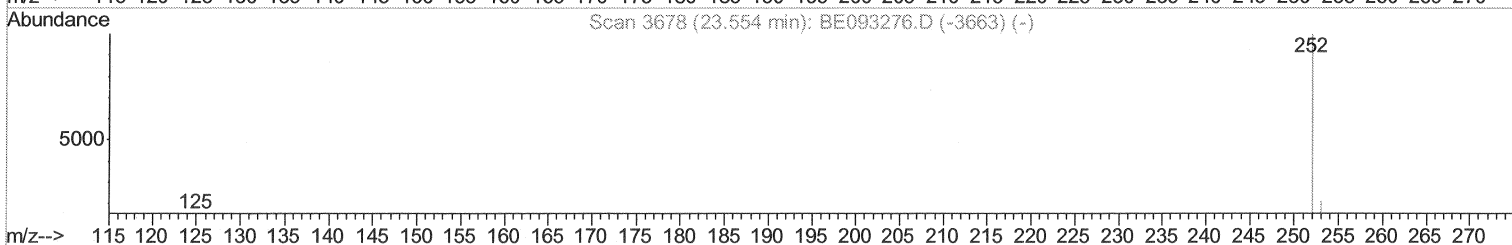
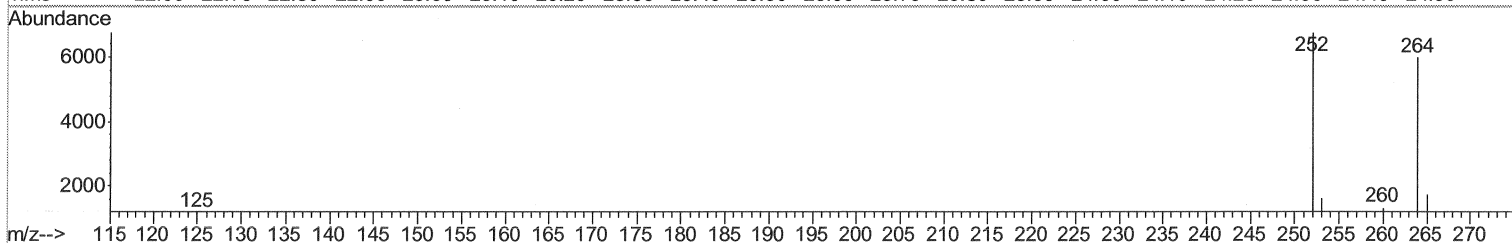
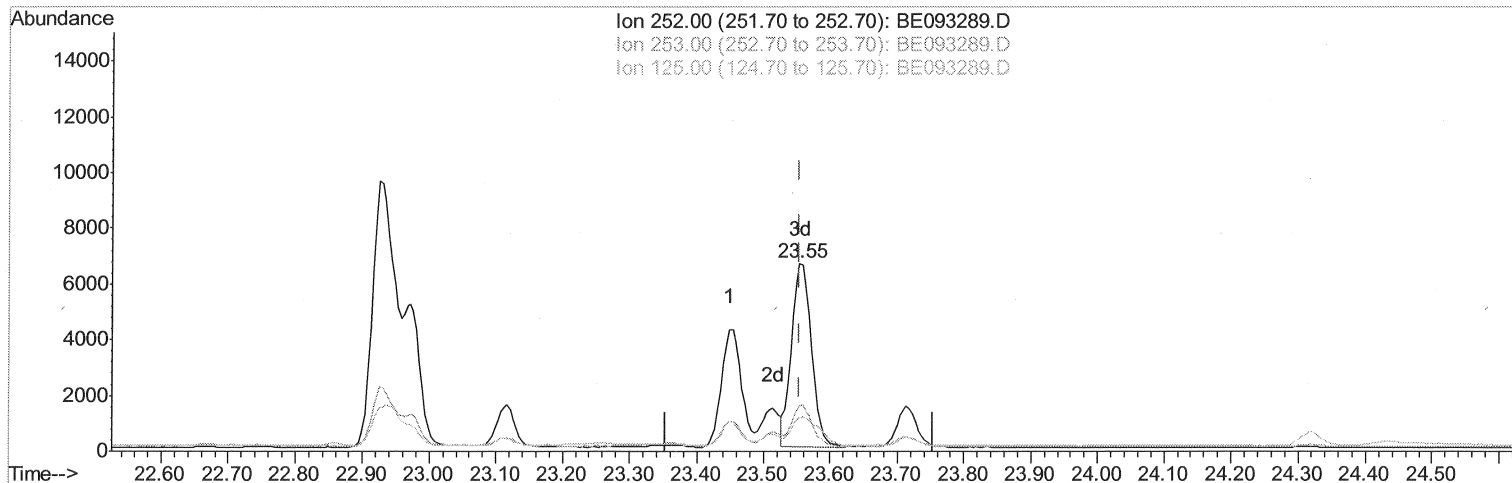
BNA\_E

ClientSampleId :

F5A91

Manual Integrations  
APPROVED

mohammad  
6/21/2017 12:18:36 PM



TIC: BE093289.D

(23) Benzo(a)pyrene (C)

23.554min (-0.000) 0.42ng/ul m

response 13709

Ion Exp% Act%

252.00 100 100

253.00 35.60 24.10#

125.00 22.60 17.80#

0.00 0.00 0.00

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE062017\

Quantitation Report (Qedit)

Data File : BE093289.D

Acq On : 20 Jun 2017 19:49

Operator : SJ/JU

Sample : I3627-18

Misc :

ALS Vial : 15 Sample Multiplier: 1

Instrument :

BNA\_E

ClientSampleId :

F5A91

Manual Integrations  
APPROVED

mohammad  
6/21/2017 12:18:36 PM

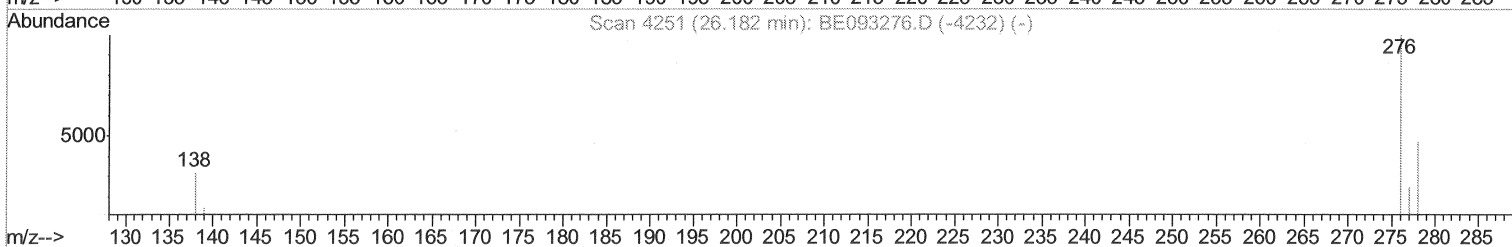
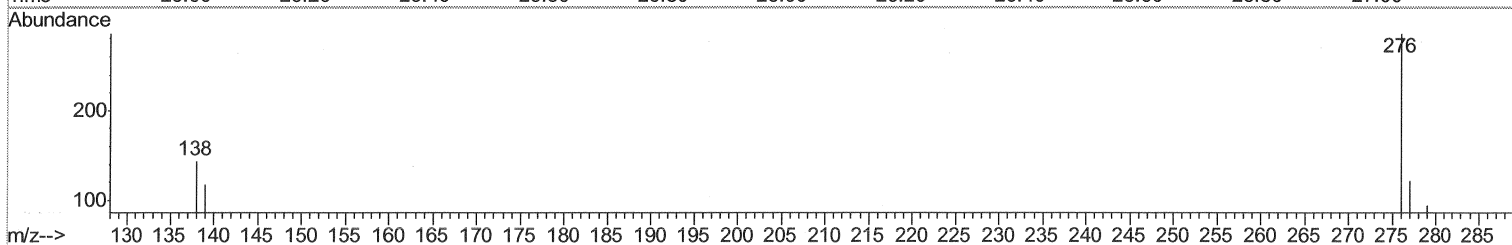
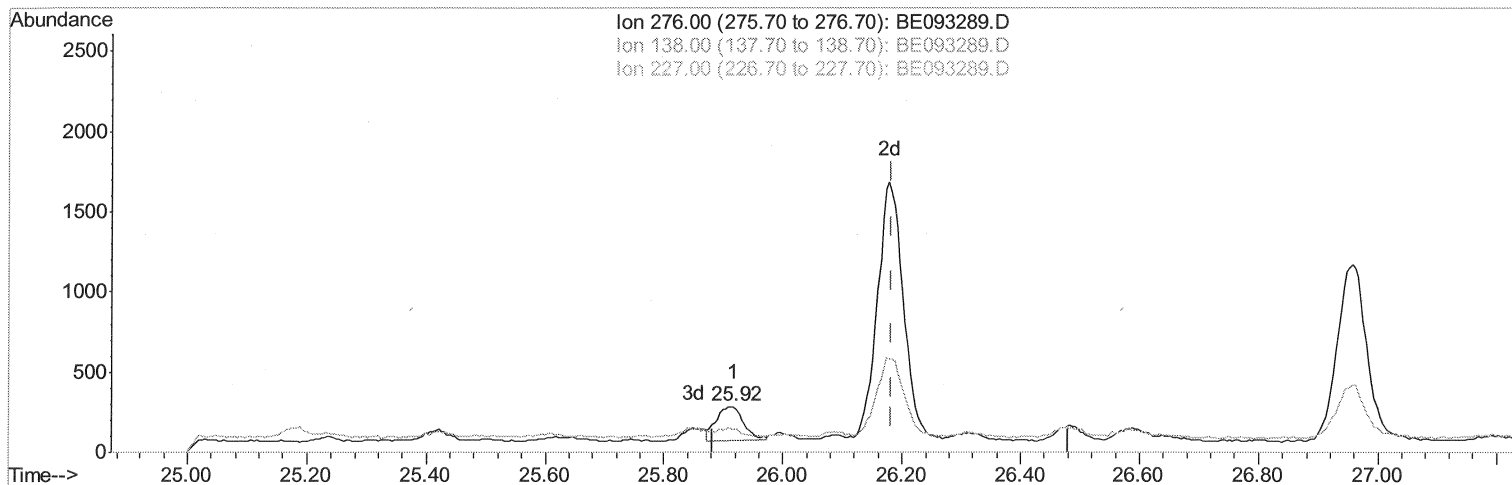
Quant Time: Jun 21 03:20:38 2017

Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE060717.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jun 21 01:49:50 2017

Response via : Initial Calibration



TIC: BE093289.D

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

25.917min (-0.264) 0.02ng/ul

response 673

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 276.00 | 100   | 100    |
| 138.00 | 35.00 | 20.65# |
| 227.00 | 10.00 | 0.00#  |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE062017\  
Quantitation Report (Qedit)

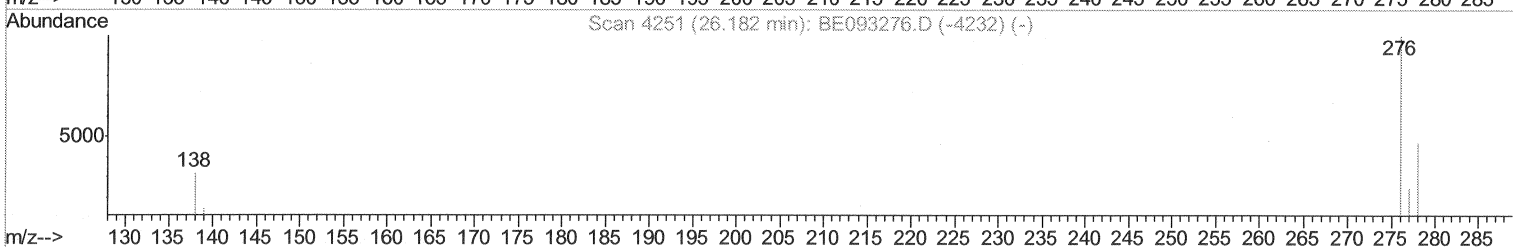
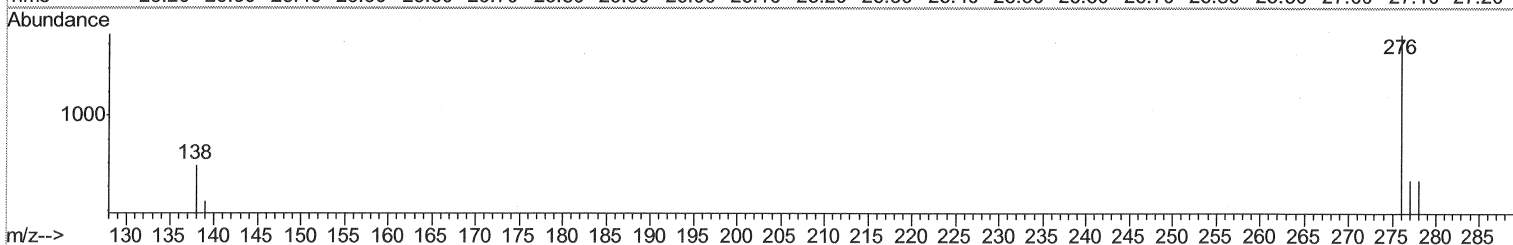
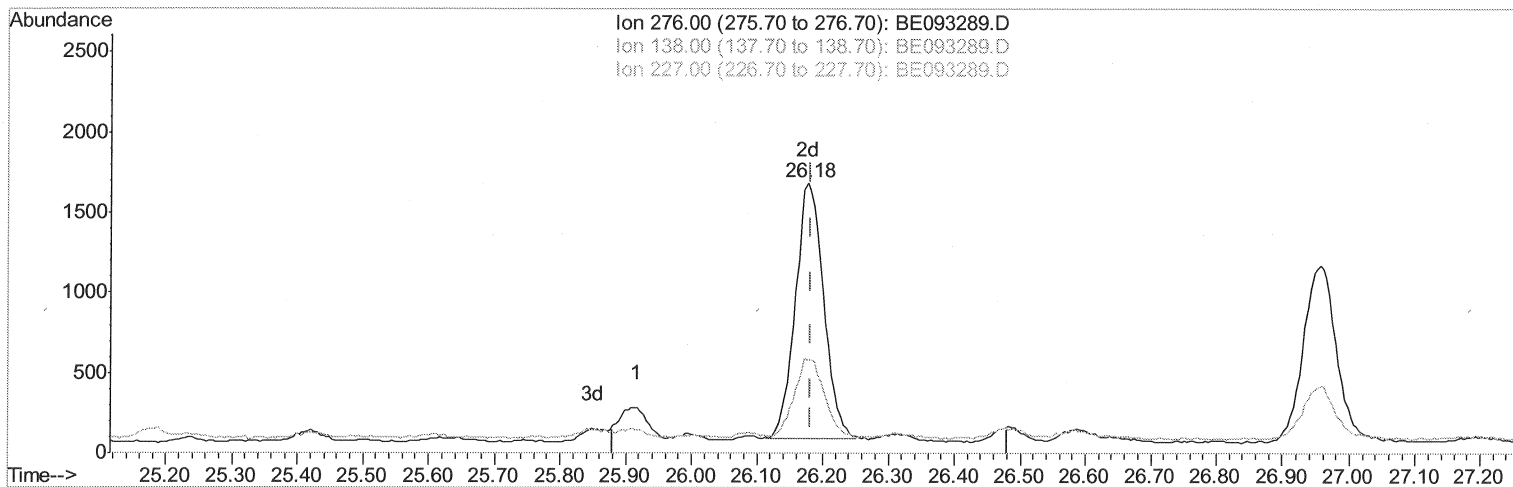
Data File : BE093289.D  
Acq On : 20 Jun 2017 19:49  
Operator : SJ/JU  
Sample : I3627-18  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampled :  
F5A91

Manual Integrations  
APPROVED

mohammad  
6/21/2017 12:18:36 PM

Quant Time: Jun 21 03:20:38 2017  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE060717.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jun 21 01:49:50 2017  
Response via : Initial Calibration



TIC: BE093289.D

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

26.177min (-0.005) 0.12ng/ul m

response 4760

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 276.00 | 100   | 100   |
| 138.00 | 35.00 | 2.92# |
| 227.00 | 10.00 | 0.00# |
| 0.00   | 0.00  | 0.00  |

SJ  
6/16/17

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE062017\  
Quantitation Report (Qedit)

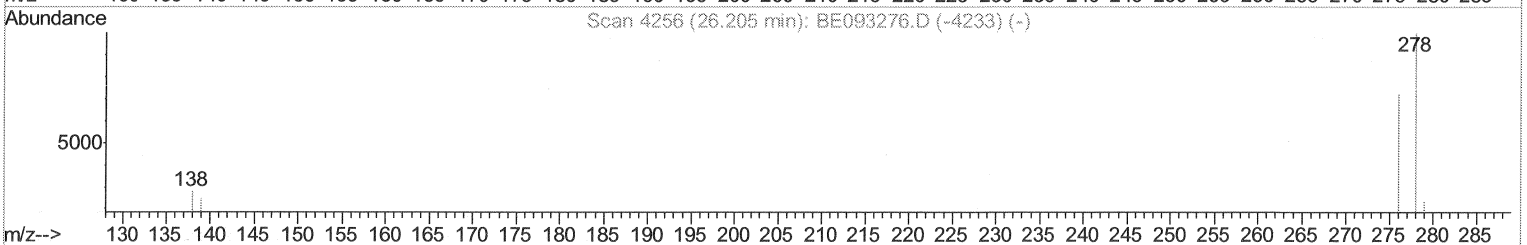
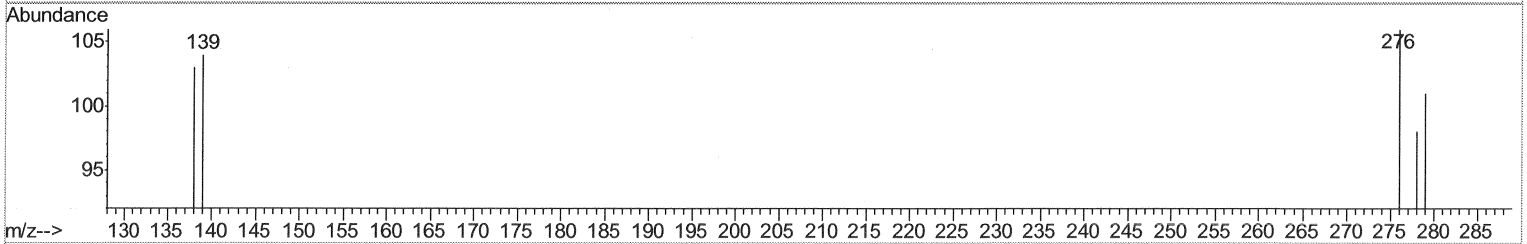
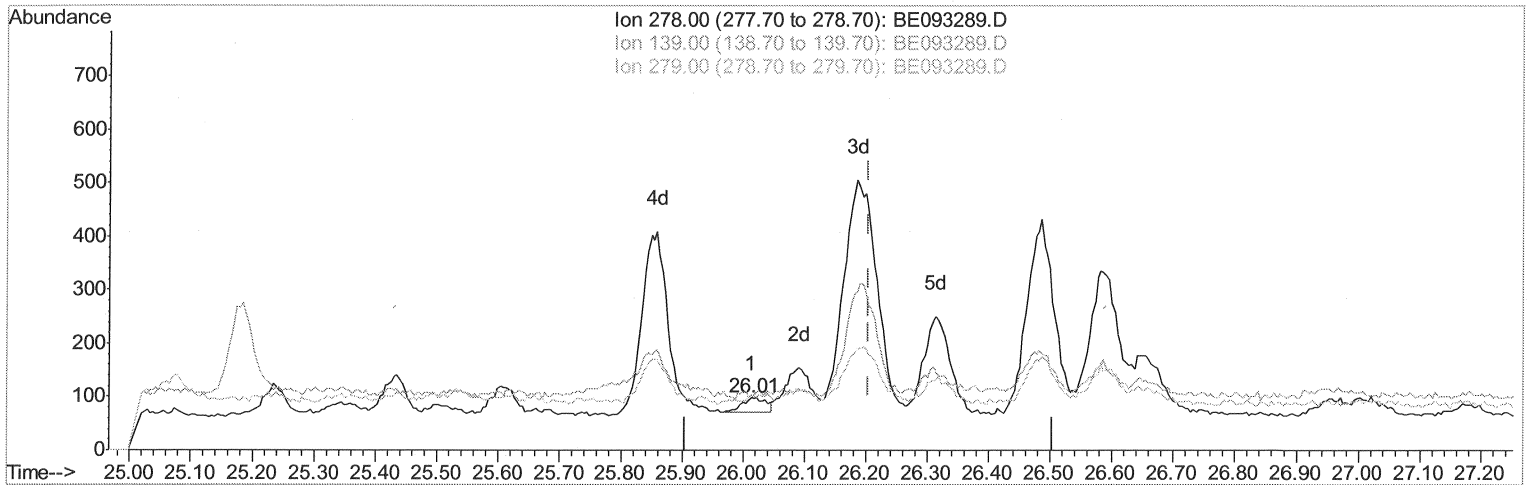
Data File : BE093289.D  
Acq On : 20 Jun 2017 19:49  
Operator : SJ/JU  
Sample : I3627-18  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampled :  
F5A91

Manual Integrations  
APPROVED

mohammad  
6/21/2017 12:18:36 PM

Quant Time: Jun 21 03:20:38 2017  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE060717.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jun 21 01:49:50 2017  
Response via : Initial Calibration



TIC: BE093289.D

(25) Dibenzo(a,h)anthracene

26.013min (-0.191) 0.00ng/ul

response 75

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 278.00 | 100   | 100     |
| 139.00 | 21.70 | 106.12# |
| 279.00 | 32.40 | 103.06# |
| 0.00   | 0.00  | 0.00    |

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE062017\  
Quantitation Report (Qedit)

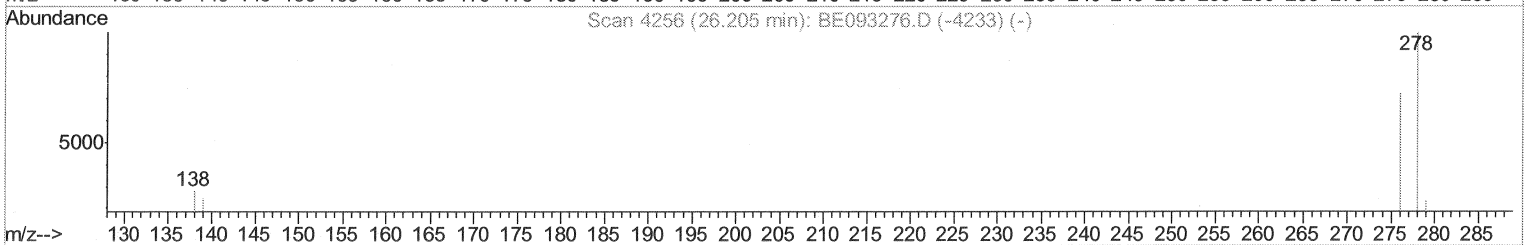
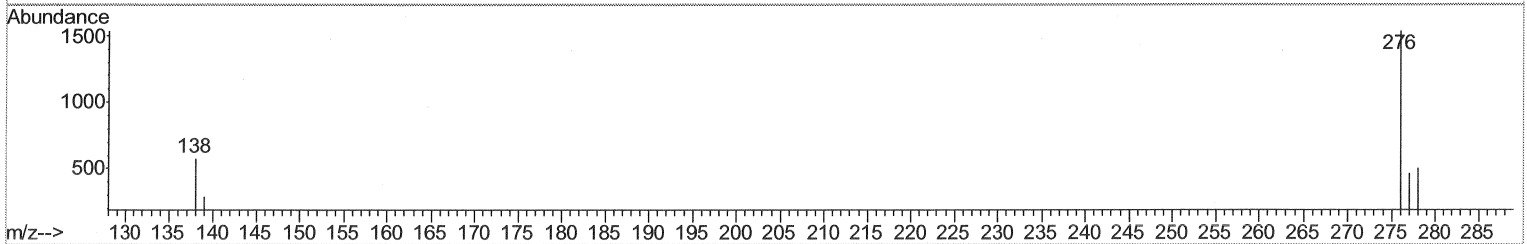
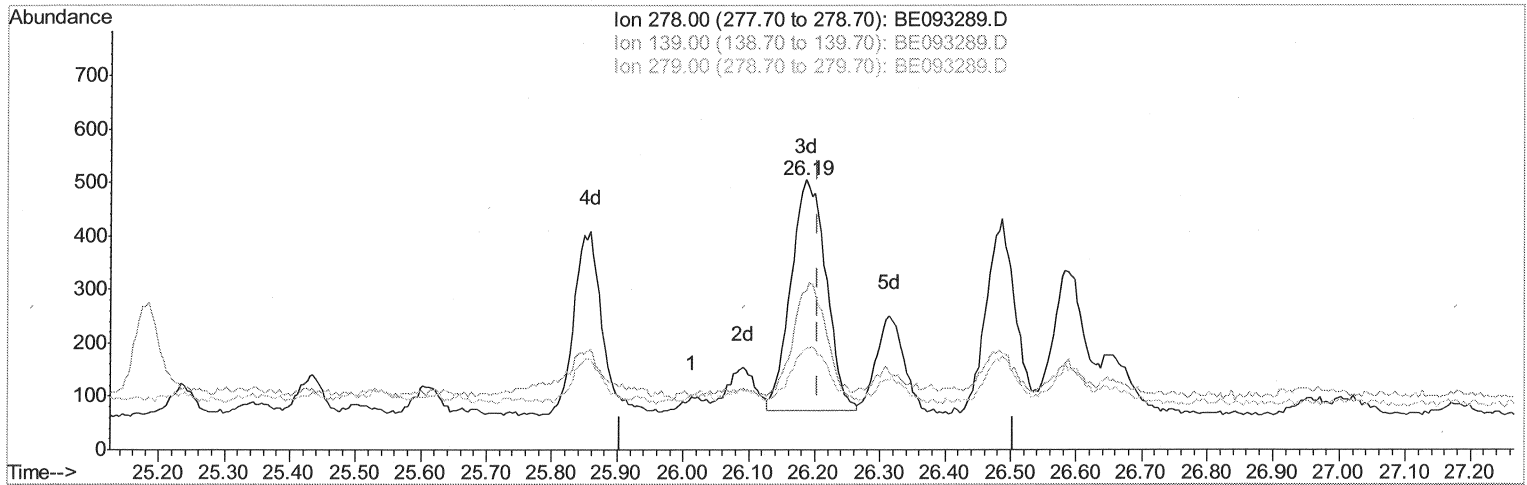
Data File : BE093289.D  
Acq On : 20 Jun 2017 19:49  
Operator : SJ/JU  
Sample : I3627-18  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
F5A91

Manual Integrations  
APPROVED

mohammad  
6/21/2017 12:18:36 PM

Quant Time: Jun 21 03:20:38 2017  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE060717.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jun 21 01:49:50 2017  
Response via : Initial Calibration



TIC: BE093289.D

(25) Dibenzo(a,h)anthracene

26.186min (-0.018) 0.05ng/ul m

response 1596

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 278.00 | 100   | 100    |
| 139.00 | 21.70 | 58.61# |
| 279.00 | 32.40 | 37.82  |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE062017\  
Quantitation Report (QT Reviewed)

Data File : BE093289.D  
Acq On : 20 Jun 2017 19:49  
Operator : SJ/JU  
Sample : I3627-18  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
F5A91

Manual Integrations  
APPROVED

mohammad  
6/21/2017 12:18:36 PM

Quant Time: Jun 21 03:22:05 2017  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE060717.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jun 21 01:49:50 2017  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.74  | 152  | 1809     | 0.40 | ng/ul | 0.00     |
| 2) Naphthalene-d8         | 10.52 | 136  | 9364     | 0.40 | ng/ul | 0.00     |
| 6) Acenaphthene-d10       | 14.36 | 164  | 6075     | 0.40 | ng/ul | 0.00     |
| 10) Phenanthrene-d10      | 17.10 | 188  | 14119    | 0.40 | ng/ul | 0.00     |
| 16) Chrysene-d12          | 21.26 | 240  | 14246    | 0.40 | ng/ul | 0.00     |
| 20) Perylene-d12          | 23.66 | 264  | 11471m   | 0.40 | ng/ul | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Methylnaphthalene-d10  | 12.11 | 152  | 3694     | 0.27 | ng/ul | 0.00     |
| 14) Fluoranthene-d10        | 19.13 | 212  | 10146    | 0.26 | ng/ul | 0.00     |

| Target Compounds           | R.T.  | QIon | Response | Conc | Units  | Qvalue |
|----------------------------|-------|------|----------|------|--------|--------|
| 3) Naphthalene             | 10.56 | 128  | 80614    | 3.47 | ng/ul# | 90     |
| 5) 2-Methylnaphthalene     | 12.18 | 142  | 23975    | 1.51 | ng/ul  | 98     |
| 7) Acenaphthylene          | 14.09 | 152  | 2415     | 0.09 | ng/ul# | 90     |
| 8) Acenaphthene            | 14.42 | 153  | 11563    | 0.55 | ng/ul  | 97     |
| 9) Fluorene                | 15.42 | 166  | 28668    | 1.16 | ng/ul  | 93     |
| 12) Phenanthrene           | 17.14 | 178  | 351158   | 9.04 | ng/ul# | 89     |
| 13) Anthracene             | 17.22 | 178  | 47482    | 1.40 | ng/ul# | 89     |
| 15) Fluoranthene           | 19.15 | 202  | 265180   | 5.57 | ng/ul  | 84     |
| 17) Pyrene                 | 19.52 | 202  | 167199   | 3.98 | ng/ul# | 84     |
| 18) Benzo(a)anthracene     | 21.24 | 228  | 46226    | 1.22 | ng/ul# | 85     |
| 19) Chrysene               | 21.29 | 228  | 36411    | 0.92 | ng/ul  | 98     |
| 21) Benzo(b)fluoranthene   | 22.93 | 252  | 22054    | 0.63 | ng/ul  | 90     |
| 22) Benzo(k)fluoranthene   | 22.97 | 252  | 8627m    | 0.23 | ng/ul  |        |
| 23) Benzo(a)pyrene         | 23.55 | 252  | 13709m   | 0.42 | ng/ul  |        |
| 24) Indeno(1,2,3-cd)pyrene | 26.18 | 276  | 4760m    | 0.12 | ng/ul  |        |
| 25) Dibenzo(a,h)anthracene | 26.19 | 278  | 1596m    | 0.05 | ng/ul  |        |
| 26) Benzo(g,h,i)perylene   | 26.96 | 276  | 3846     | 0.12 | ng/ul# | 89     |

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