

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE081017\  
Data File : BE093758.D  
Acq On : 10 Aug 2017 22:41  
Operator : SJ/JU  
Sample : I4529-07  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

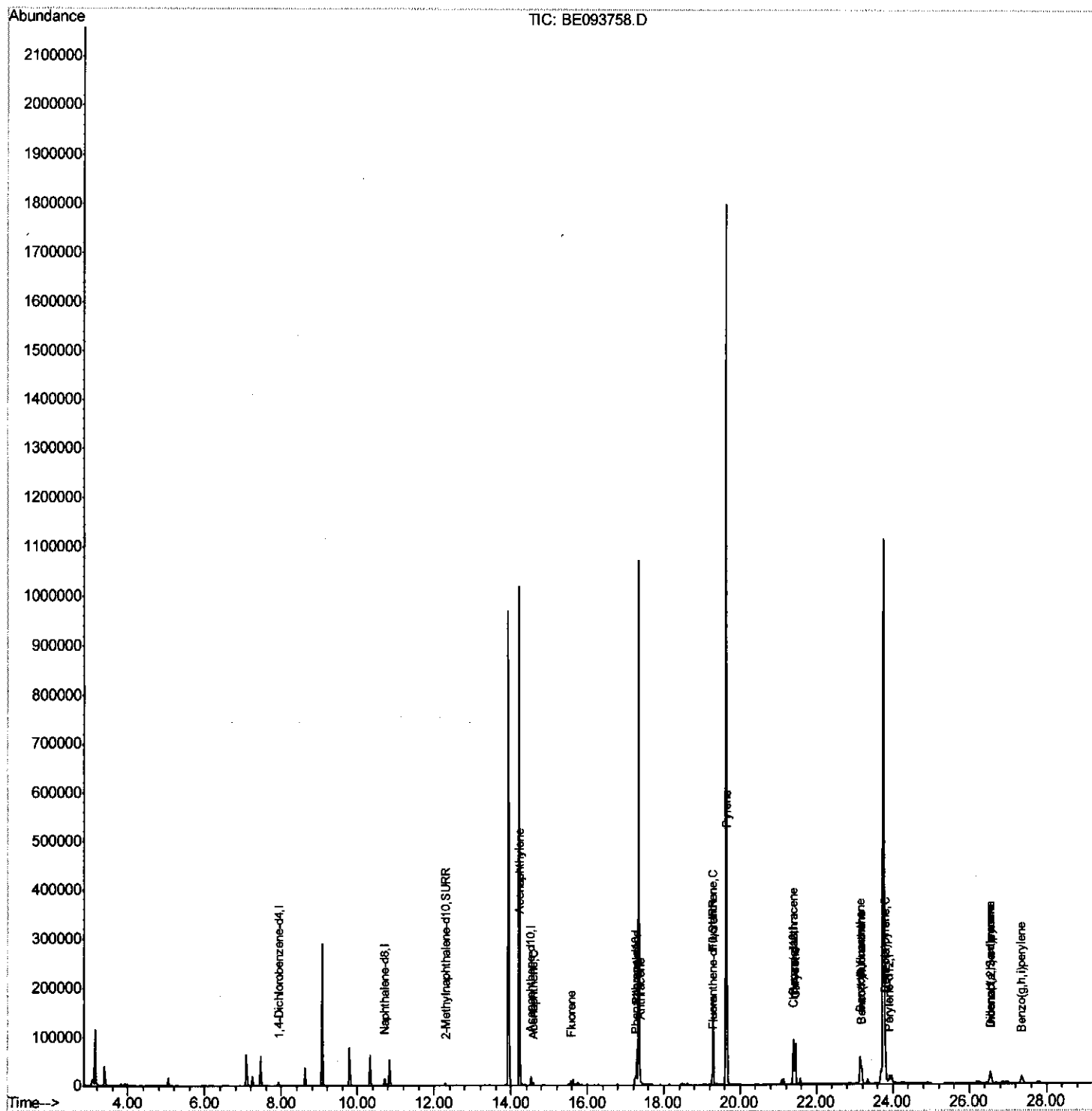
Instrument :  
BNA\_E  
ClientSampled :  
C0AA1

Manual Integrations  
APPROVED

sohil

8/14/2017 7:03:50 PM

Quant Time: Aug 11 18:35:00 2017  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE072417.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Aug 11 06:07:04 2017  
Response via : Initial Calibration



# Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE081017\  
 Data File : BE093758.D  
 Acq On : 10 Aug 2017 22:41  
 Operator : SJ/JU  
 Sample : I4529-07  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

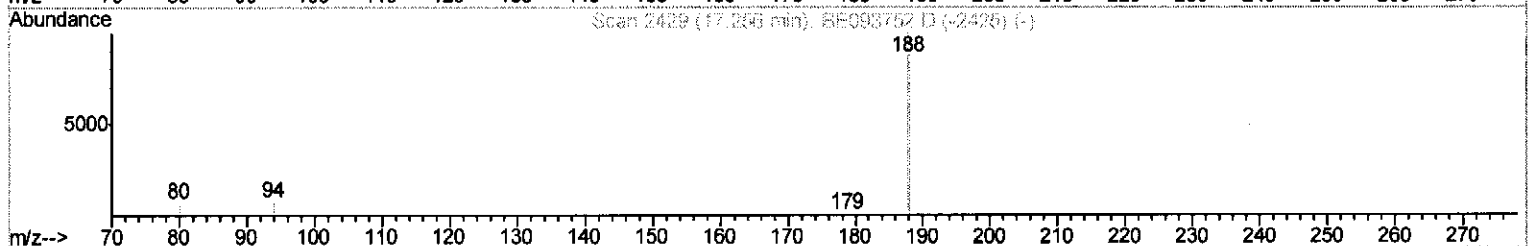
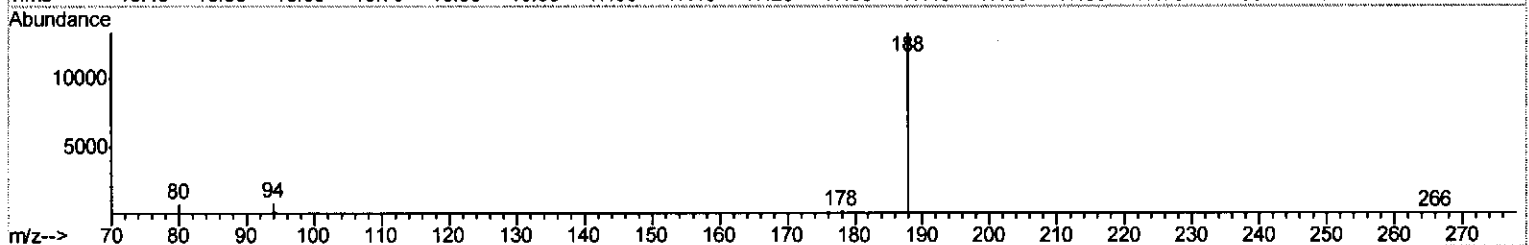
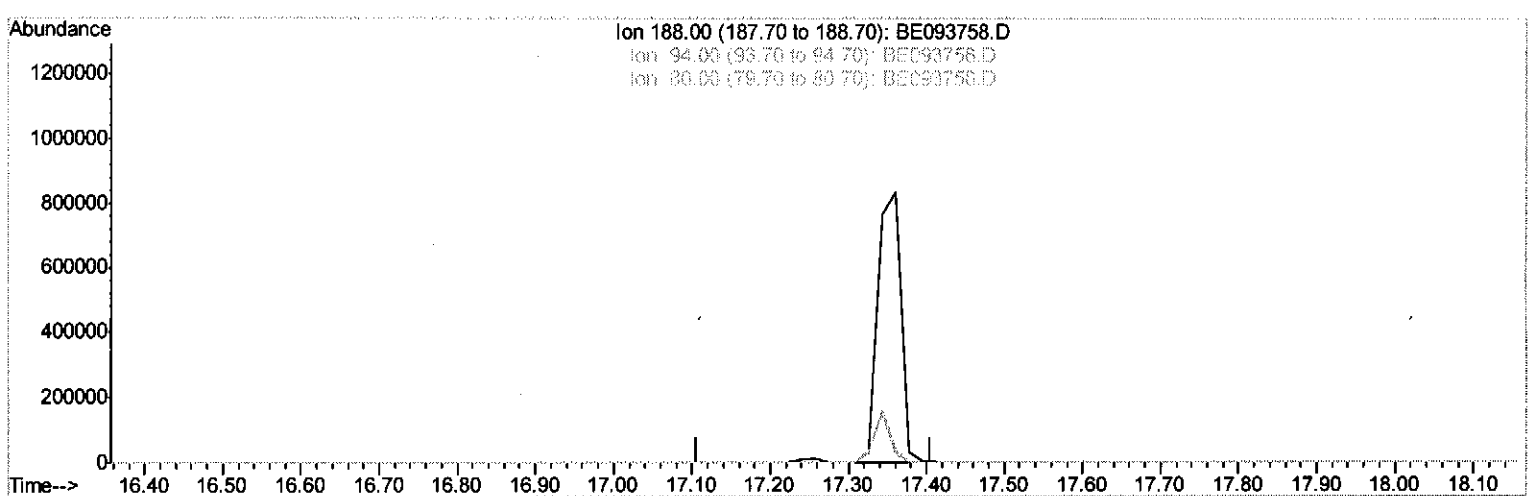
Instrument :  
 BNA\_E  
 ClientSampleId :  
 C0AA1

Manual Integrations  
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8/14/2017 7:03:50 PM

Quant Time: Aug 11 17:30:44 2017  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE072417.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 11 06:07:04 2017  
 Response via : Initial Calibration



TIC: BE093758.D

(10) Phenanthrene-d10 (I)

17.256min (-17.256) 0.00ng/ul

response 0

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 188.00 | 100   | 0.00  |
| 94.00  | 11.00 | 0.00# |
| 80.00  | 11.80 | 0.00# |
| 0.00   | 0.00  | 0.00  |

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Data File : BE093758.D  
Acq On : 10 Aug 2017 22:41  
Operator : SJ/JU  
Sample : I4529-07  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

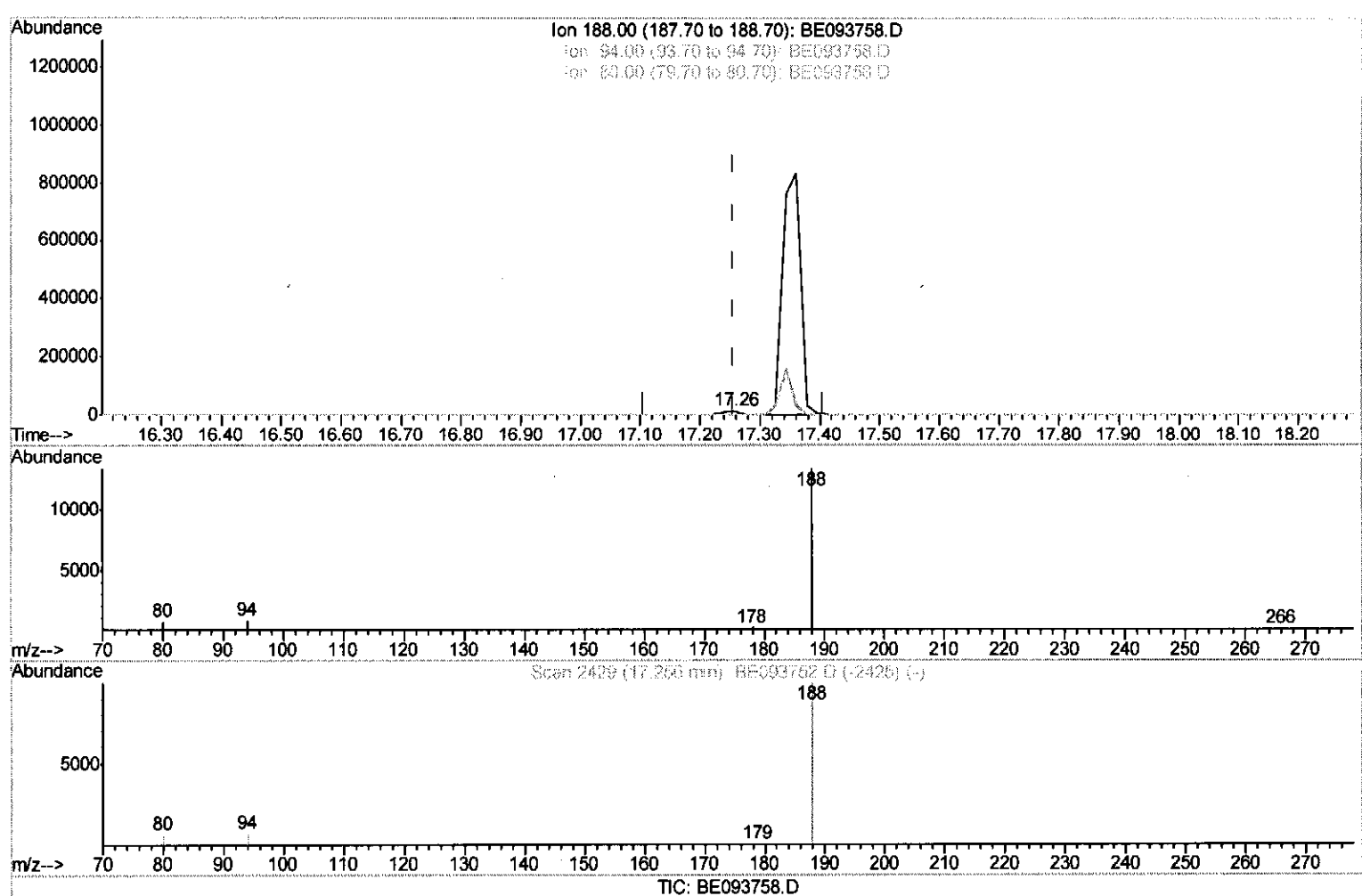
Instrument :  
BNA\_E  
ClientSampled :  
C0AA1

Manual Integrations  
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8/14/2017 7:03:50 PM

Quant Time: Aug 11 17:30:44 2017  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE072417.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Aug 11 06:07:04 2017  
Response via : Initial Calibration



(10) Phenanthrene-d10 (I)

17.257min (+0.001) 0.40ng/ul m

response 21973

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 188.00 | 100   | 100   |
| 94.00  | 11.00 | 5.87# |
| 80.00  | 11.80 | 5.19# |
| 0.00   | 0.00  | 0.00  |

*Signature* 8/14/17

# Quantitation Report (Qedit)

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 Operator : SJ/JU  
 Sample : I4529-07  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

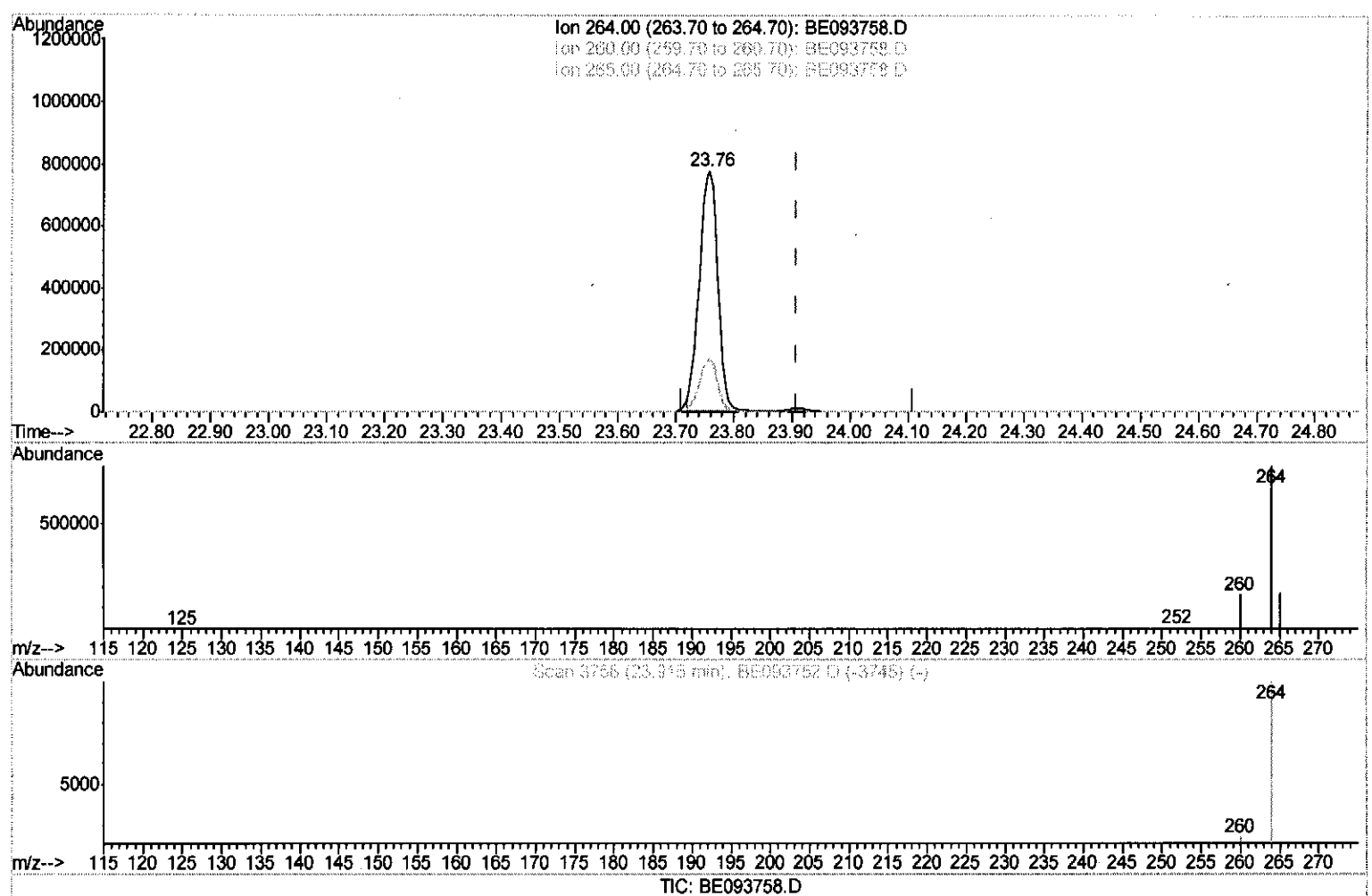
Instrument :  
 BNA\_E  
 ClientSampleId :  
 C0AA1

Manual Integrations  
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Quant Time: Aug 11 18:32:08 2017  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE072417.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 11 06:07:04 2017  
 Response via : Initial Calibration



(20) Perylene-d12 (I)  
 23.759min (-0.151) 0.40ng/ul  
 response 1723532

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100    | 100    |
| 260.00 | 30.10  | 21.28# |
| 265.00 | 103.50 | 21.76# |
| 0.00   | 0.00   | 0.00   |

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Acq On : 10 Aug 2017 22:41  
Operator : SJ/JU  
Sample : I4529-07  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

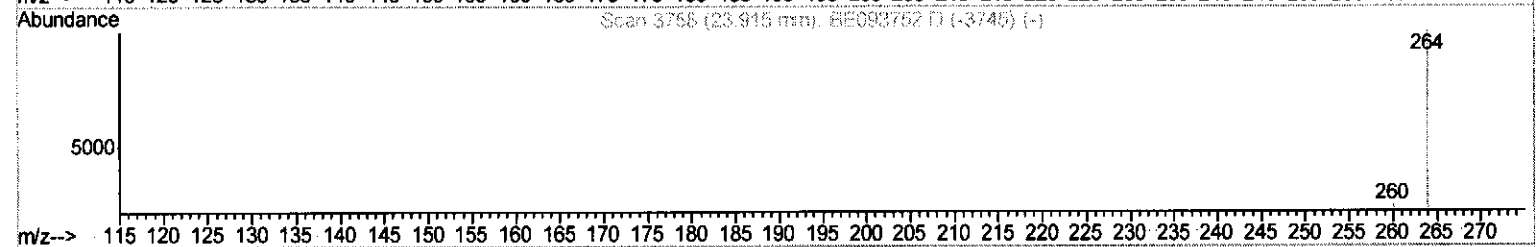
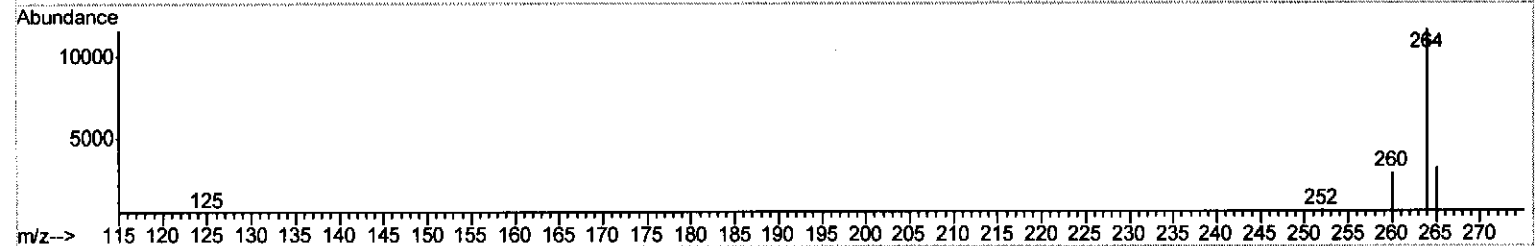
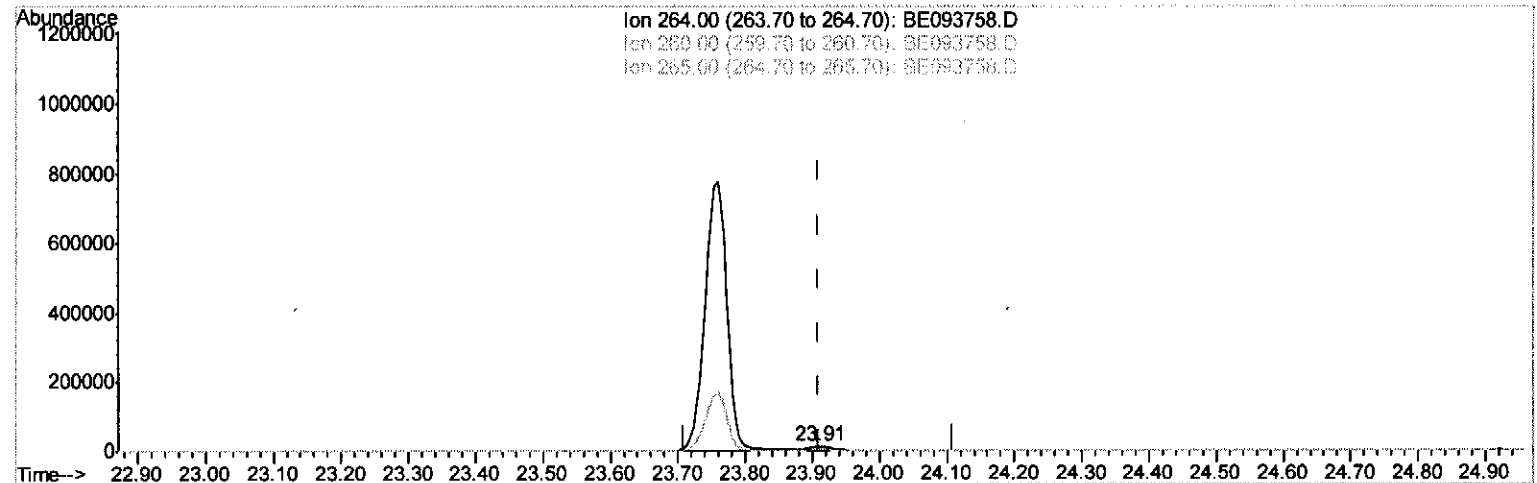
Instrument :  
BNA\_E  
ClientSampled :  
C0AA1

Manual Integrations  
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Quant Time: Aug 11 18:32:08 2017  
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Response via : Initial Calibration



TIC: BE093758.D

(20) Perylene-d12 (I)

23.909min (-0.000) 0.40ng/ul m

response 19222

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100    | 100    |
| 260.00 | 30.10  | 24.31  |
| 265.00 | 103.50 | 26.55# |
| 0.00   | 0.00   | 0.00   |

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Data File : BE093758.D  
Acq On : 10 Aug 2017 22:41  
Operator : SJ/JU  
Sample : I4529-07  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

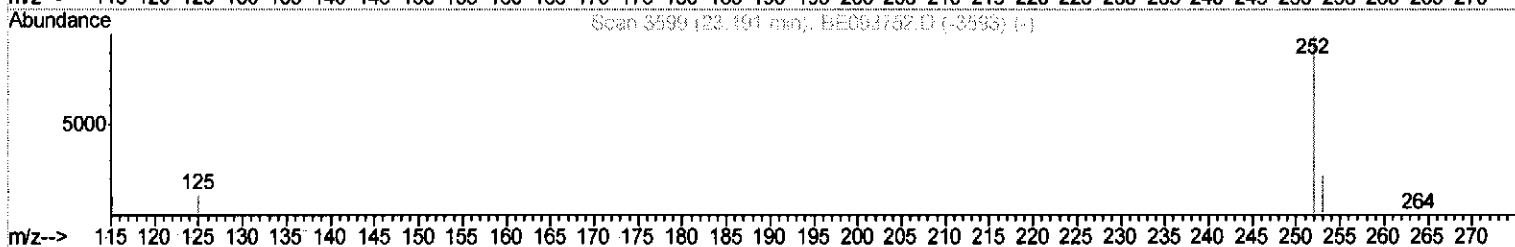
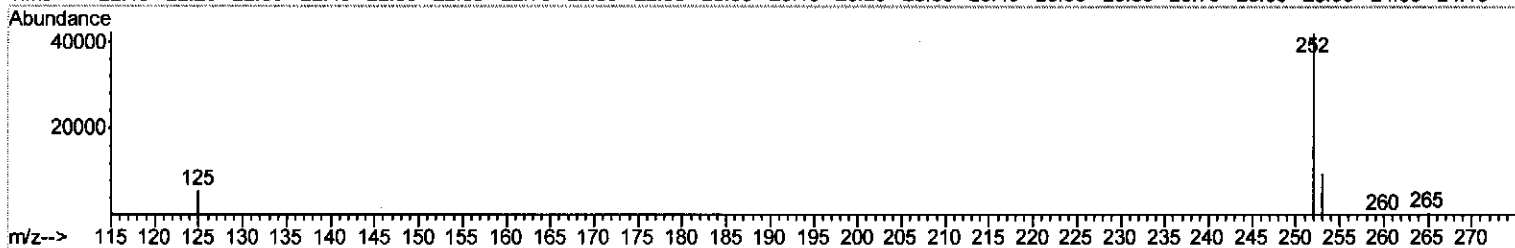
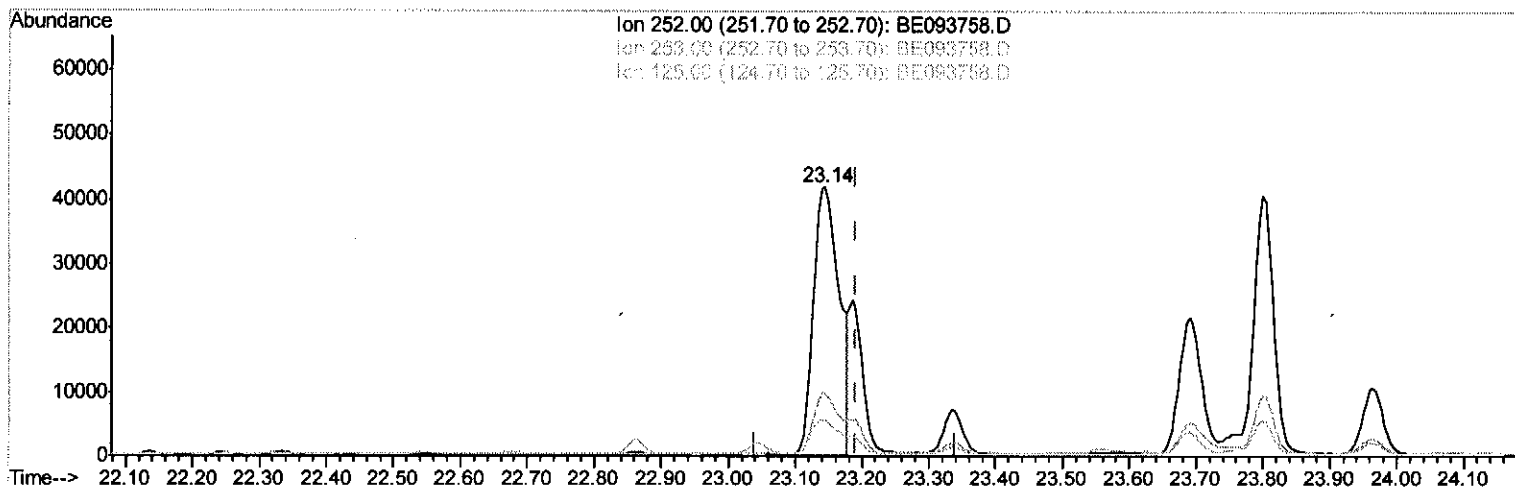
Instrument :  
BNA\_E  
ClientSampleID :  
C0AA1

Manual Integrations  
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Quant Time: Aug 11 18:32:58 2017  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE072417.M  
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QLast Update : Fri Aug 11 06:07:04 2017  
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TIC: BE093758.D

(22) Benzo(k)fluoranthene

23.144min (-0.046) 1.88ng/ul

response 110282

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 30.60 | 23.14# |
| 125.00 | 17.10 | 13.60# |
| 0.00   | 0.00  | 0.00   |

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Operator : SJ/JU  
Sample : I4529-07  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

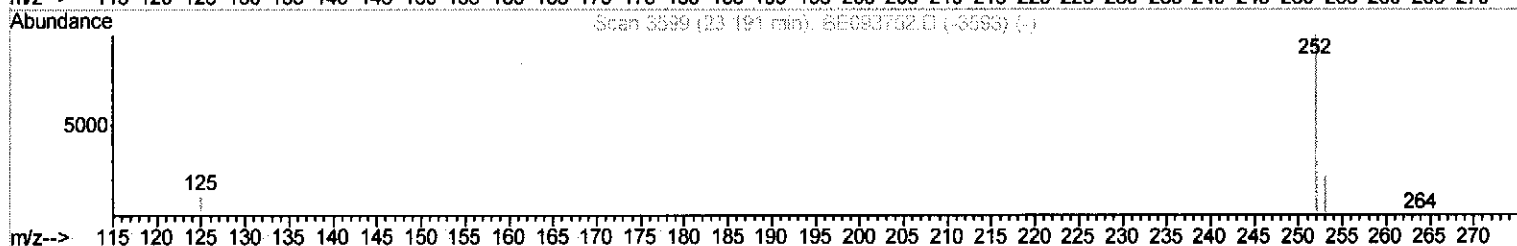
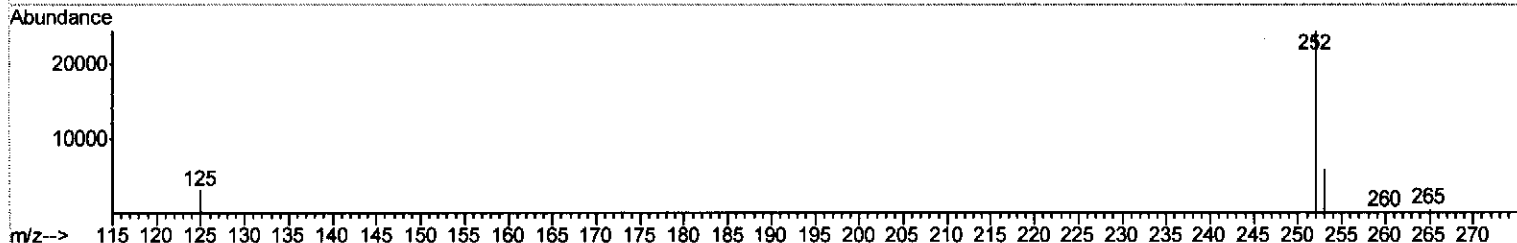
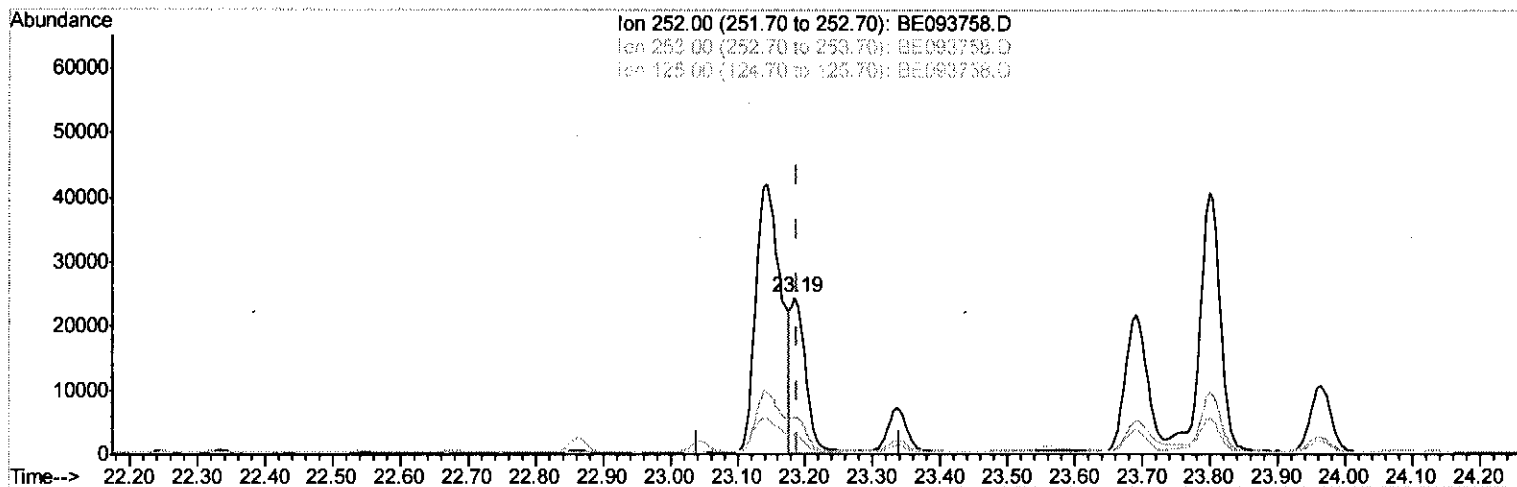
Instrument :  
BNA\_E  
ClientSampleId :  
C0AA1

Manual Integrations  
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Quant Time: Aug 11 18:32:58 2017  
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TIC: BE093758.D

(22) Benzo(k)fluoranthene

23.185min (-0.005) 0.63ng/ul m

response 36755

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 30.60 | 23.72# |
| 125.00 | 17.10 | 12.52# |
| 0.00   | 0.00  | 0.00   |

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Operator : SJ/JU  
Sample : I4529-07  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

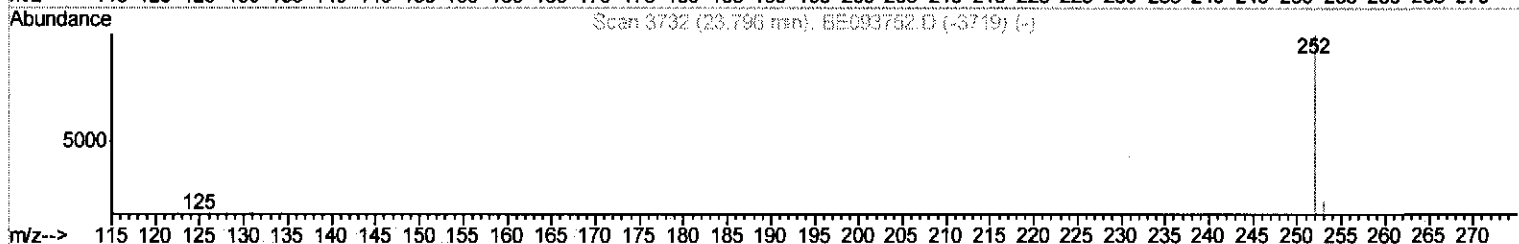
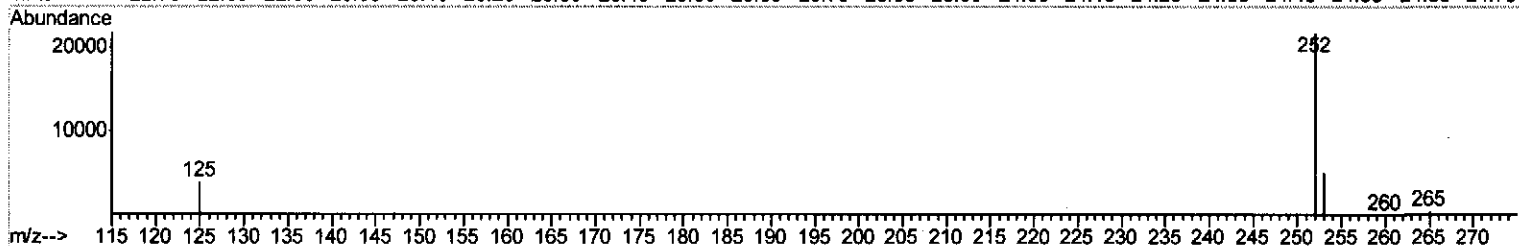
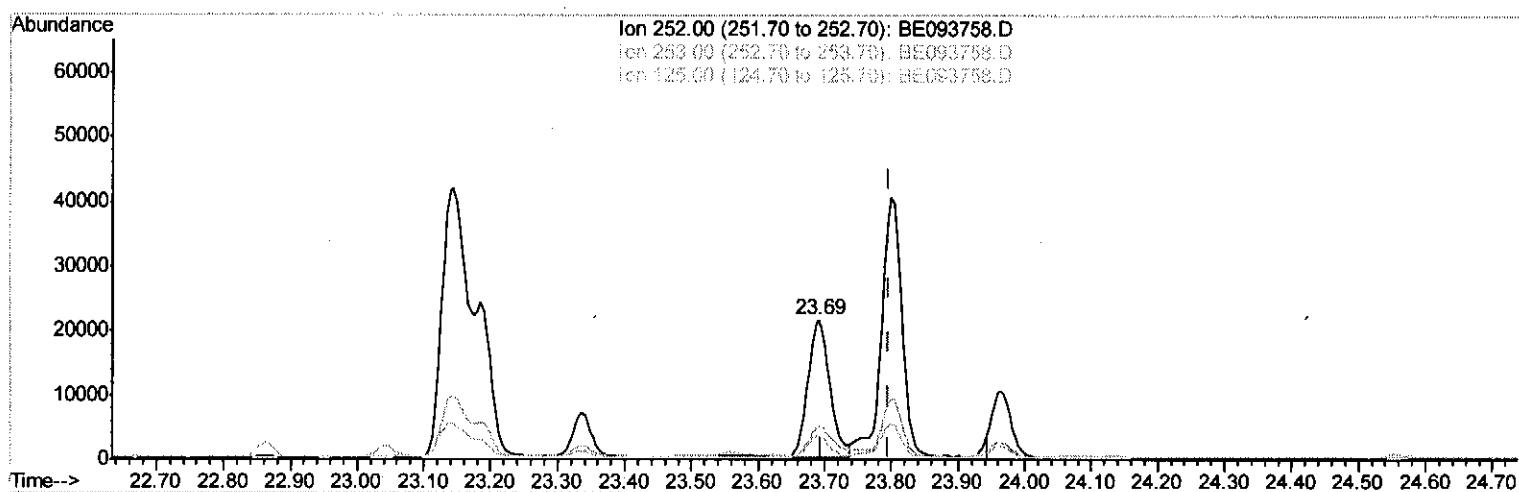
Instrument :  
BNA\_E  
ClientSampleId :  
C0AA1

Manual Integrations  
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TIC: BE093758.D

(23) Benzo(a)pyrene (C)

23.691min (-0.105) 0.88ng/ul

response 49762

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 35.60 | 23.30# |
| 125.00 | 22.60 | 17.73# |
| 0.00   | 0.00  | 0.00   |

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Operator : SJ/JU  
Sample : I4529-07  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

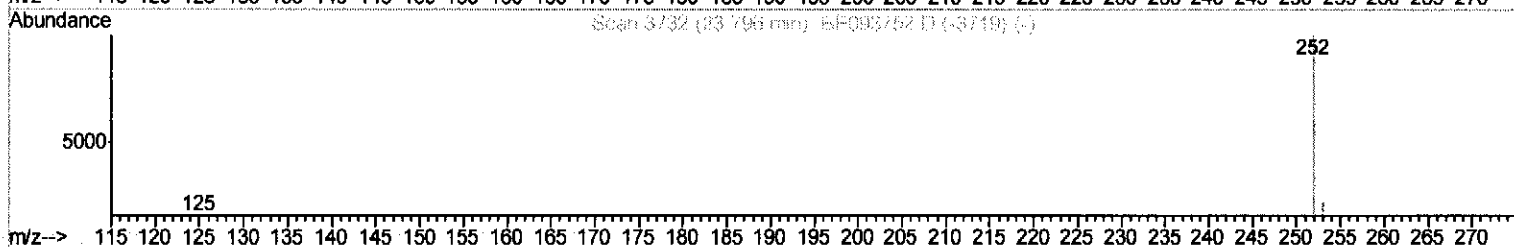
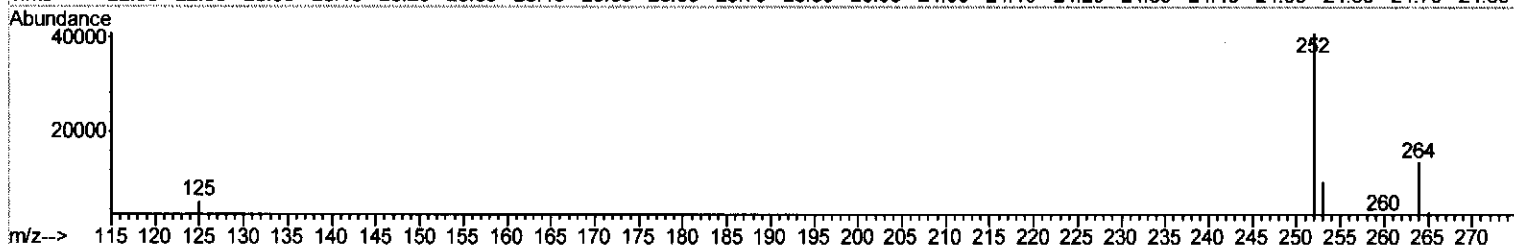
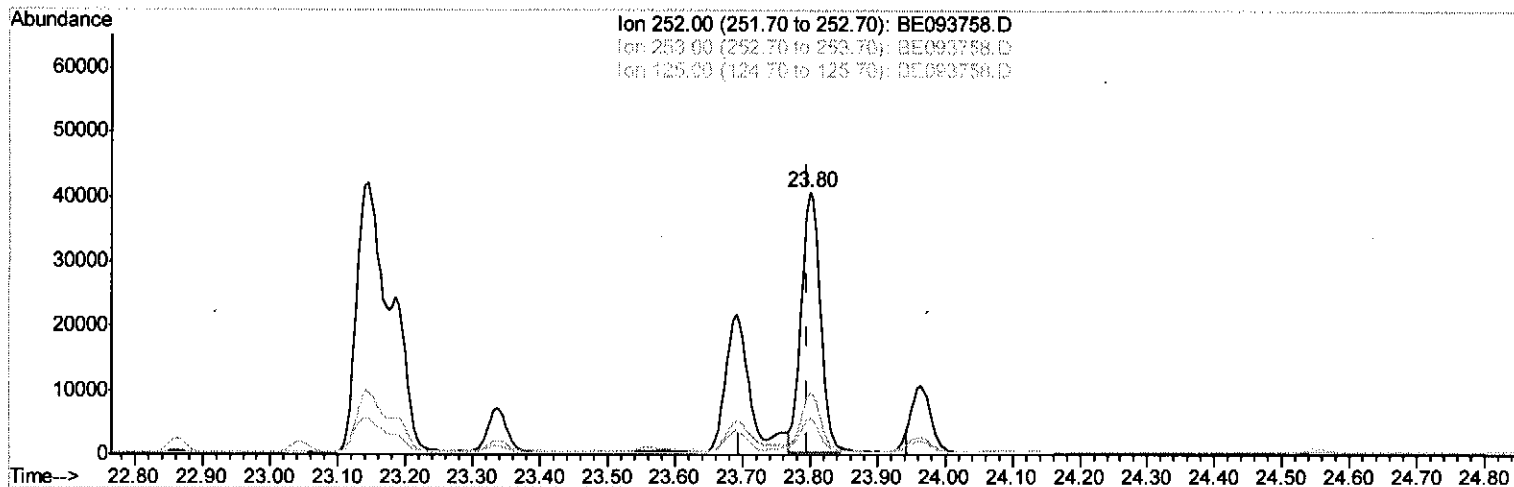
Instrument :  
BNA\_E  
ClientSampleId :  
C0AA1

Manual Integrations  
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8/14/2017 7:03:50 PM

Quant Time: Aug 11 18:32:58 2017  
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QLast Update : Fri Aug 11 06:07:04 2017  
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TIC: BE093758.D

(23) Benzo(a)pyrene (C)

23.800min (+0.004) 1.41ng/ul m

response 80030

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 35.60 | 23.65# |
| 125.00 | 22.60 | 13.46# |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE081017\  
Data File : BE093758.D  
Acq On : 10 Aug 2017 22:41  
Operator : SJ/JU  
Sample : I4529-07  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

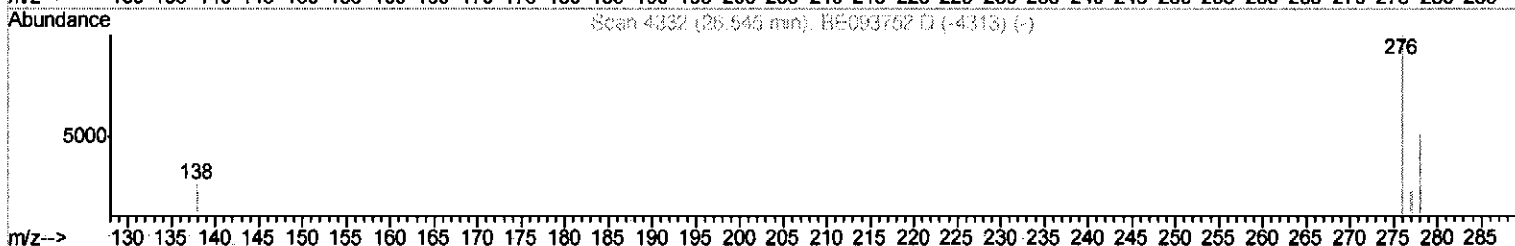
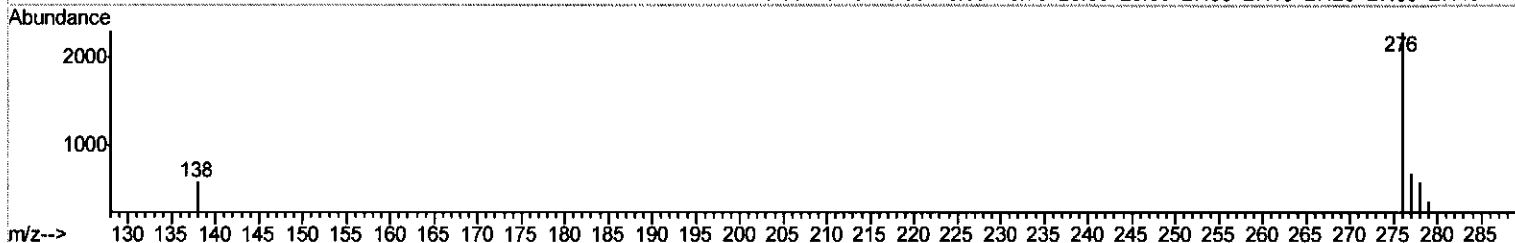
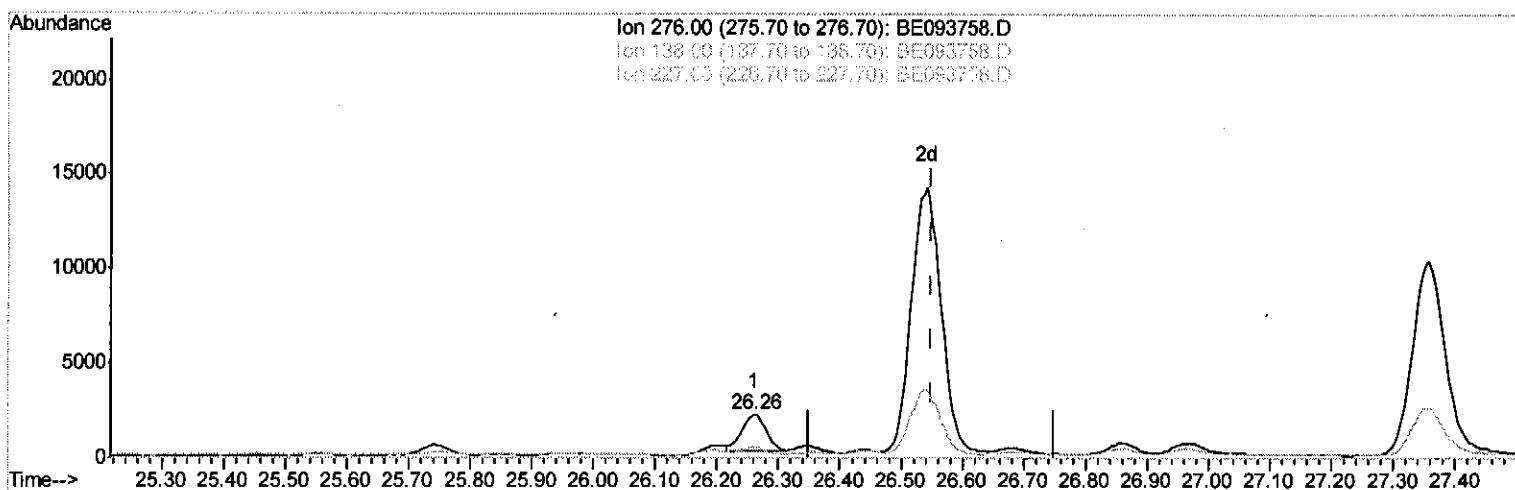
Instrument :  
BNA\_E  
ClientSampleId :  
C0AA1

Manual Integrations  
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TIC: BE093758.D

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

26.260min (-0.289) 0.08ng/ul

response 5024

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 276.00 | 100   | 100    |
| 138.00 | 35.00 | 18.97# |
| 227.00 | 10.00 | 0.00#  |
| 0.00   | 0.00  | 0.00   |

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Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE081017\  
Data File : BE093758.D  
Acq On : 10 Aug 2017 22:41  
Operator : SJ/JU  
Sample : I4529-07  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

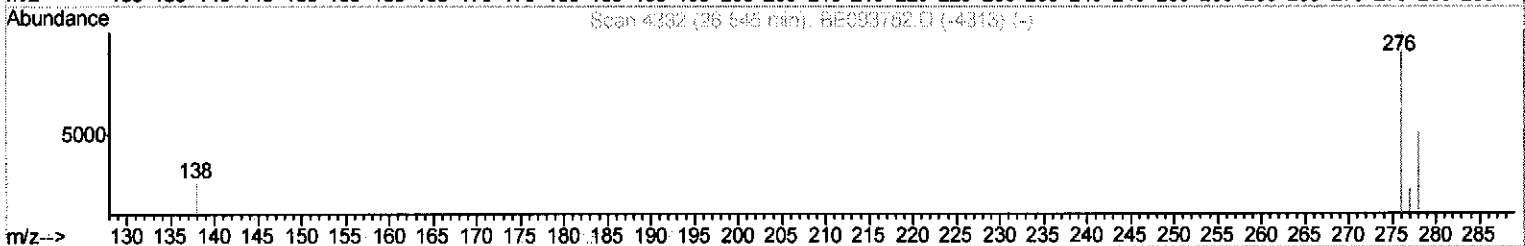
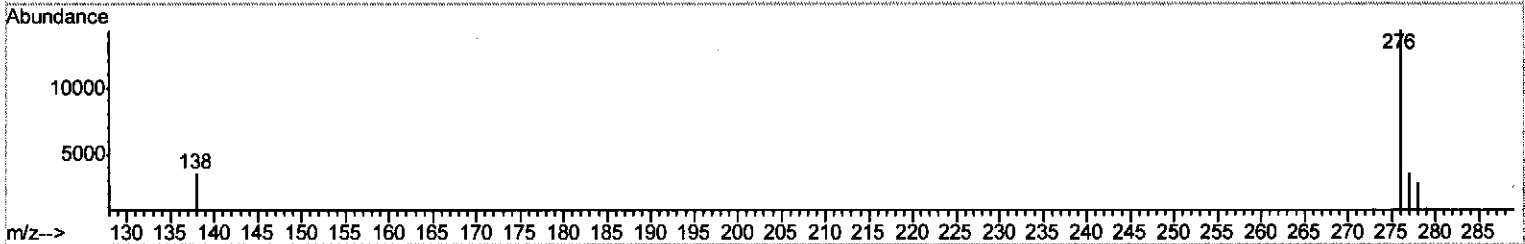
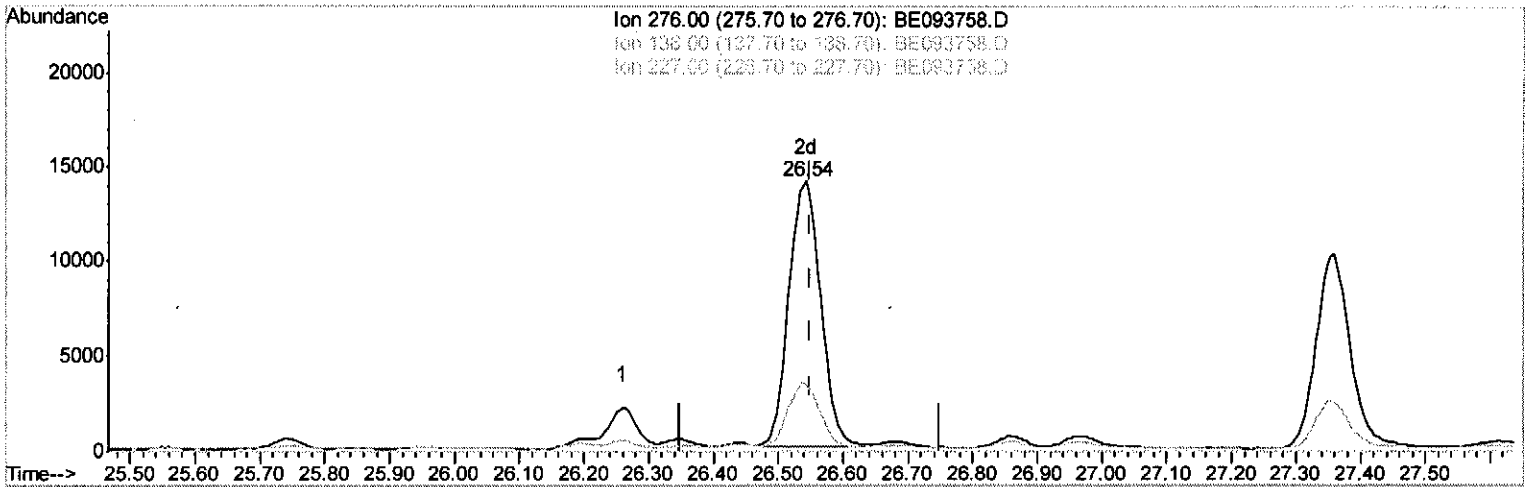
Instrument :  
BNA\_E  
ClientSampleId :  
C0AA1

Manual Integrations  
APPROVED

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8/14/2017 7:03:50 PM

Quant Time: Aug 11 18:32:58 2017  
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TIC: BE093758.D

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

26.543min (-0.007) 0.77ng/ul m

response 47805

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 276.00 | 100   | 100   |
| 138.00 | 35.00 | 1.99# |
| 227.00 | 10.00 | 0.00# |
| 0.00   | 0.00  | 0.00  |

*Handwritten signature and date: 8/14/17*

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Operator : SJ/JU  
Sample : I4529-07  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

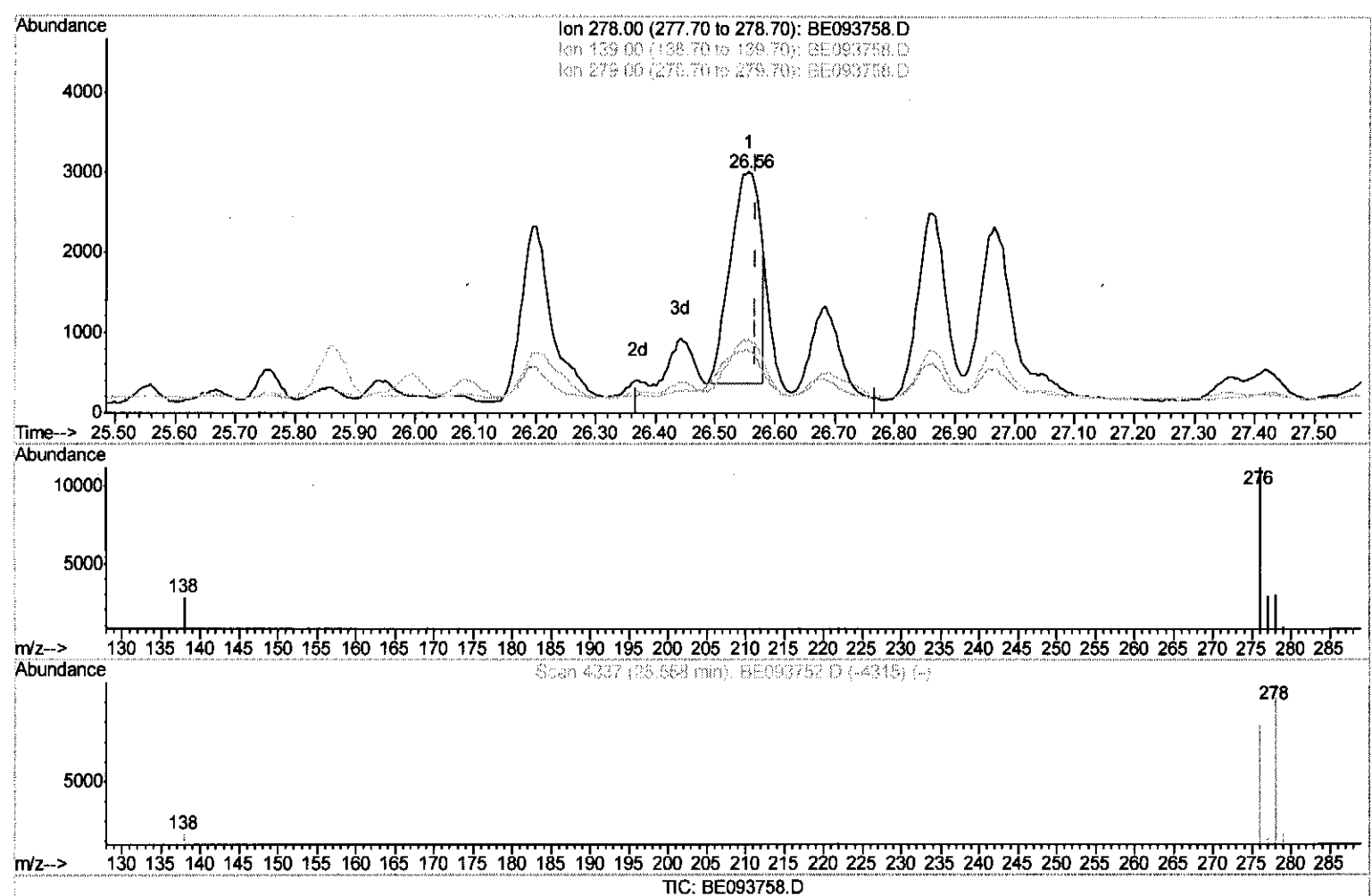
Instrument :  
BNA\_E  
ClientSampleId :  
C0AA1

Manual Integrations  
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(25) Dibenzo(a,h)anthracene

26.556min (-0.011) 0.17ng/ul

response 9063

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 278.00 | 100   | 100   |
| 139.00 | 21.70 | 25.68 |
| 279.00 | 32.40 | 30.33 |
| 0.00   | 0.00  | 0.00  |

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 Operator : SJ/JU  
 Sample : I4529-07  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

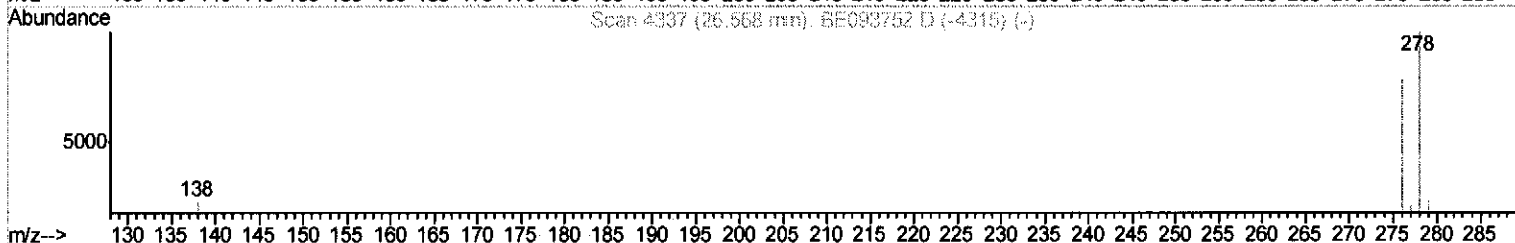
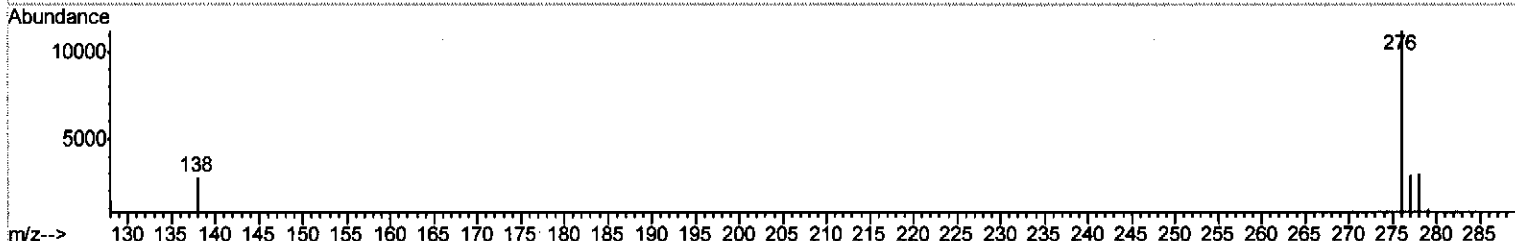
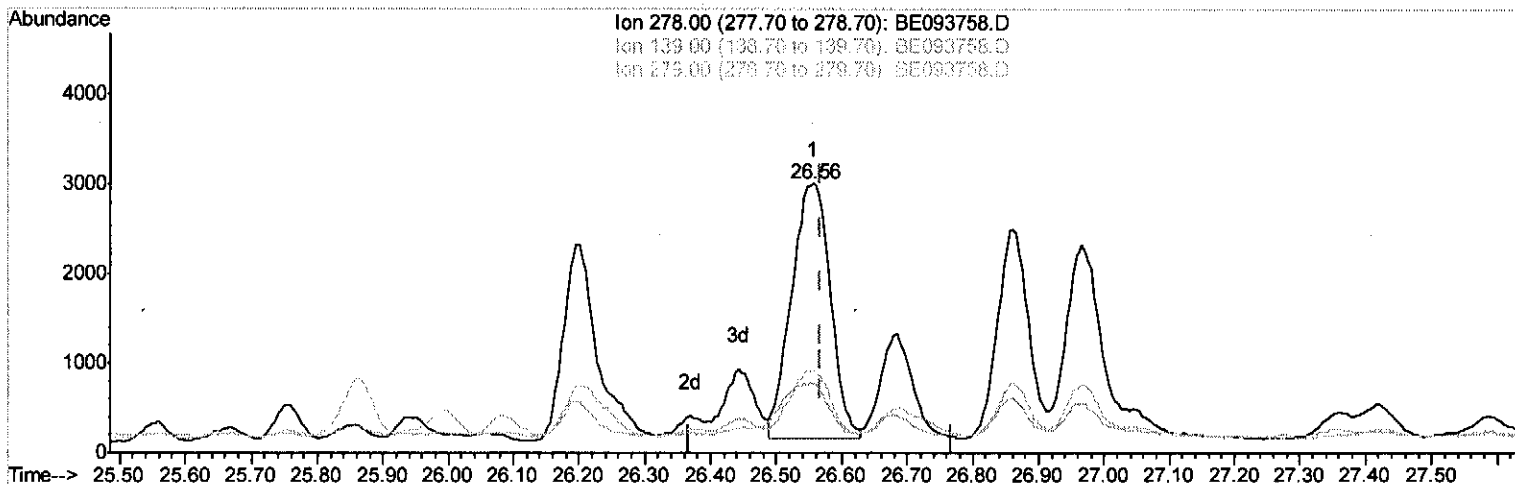
Instrument :  
 BNA\_E  
 ClientSampleId :  
 C0AA1

Manual Integrations  
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TIC: BE093758.D

(25) Dibenzo(a,h)anthracene

26.556min (-0.011) 0.22ng/ul m

response 11723

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 278.00 | 100   | 100   |
| 139.00 | 21.70 | 25.68 |
| 279.00 | 32.40 | 30.33 |
| 0.00   | 0.00  | 0.00  |

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 Data File : BE093758.D  
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 Operator : SJ/JU  
 Sample : I4529-07  
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 ALS Vial : 22 Sample Multiplier: 1

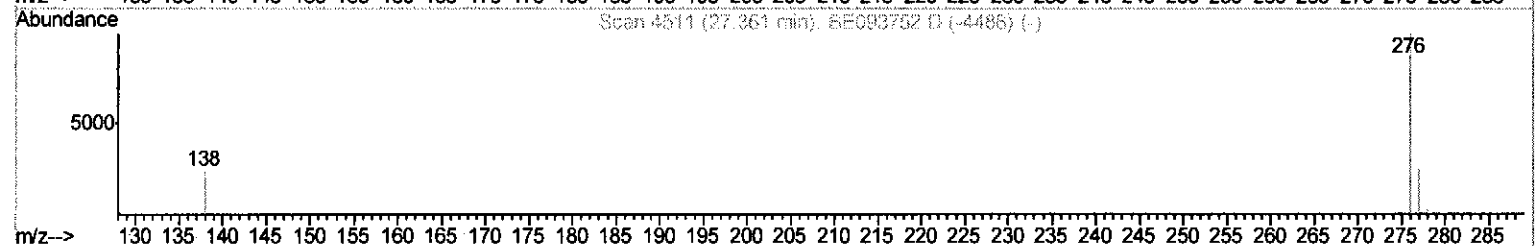
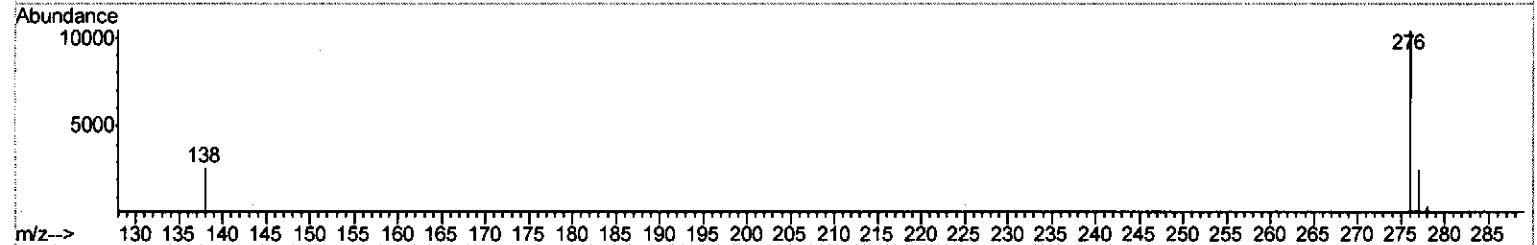
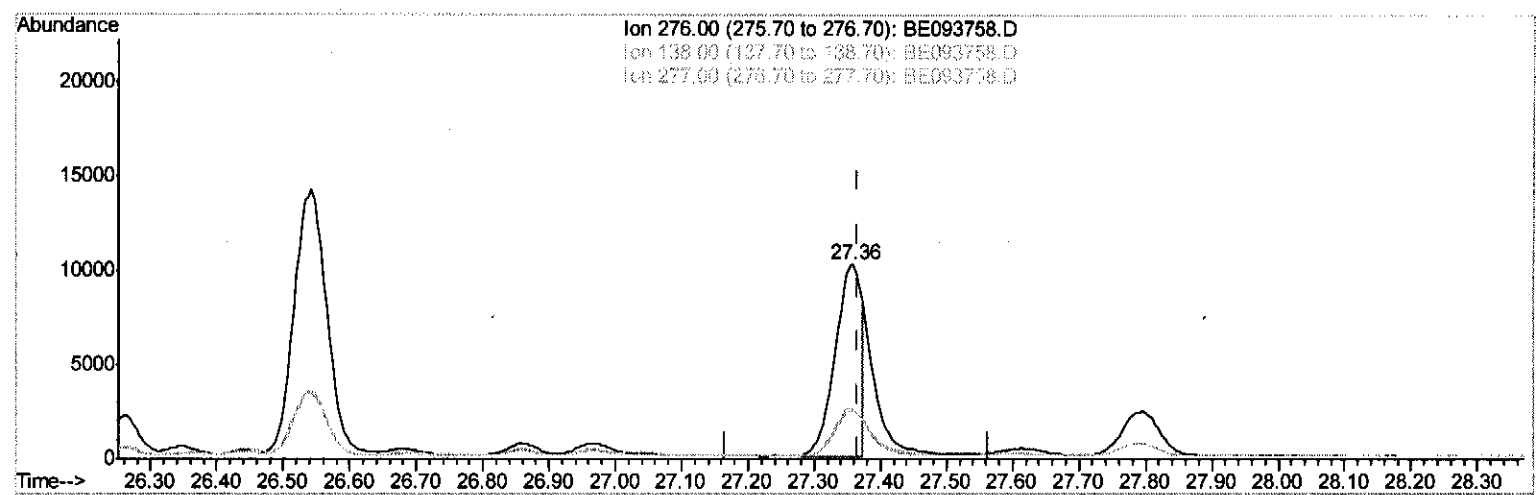
Instrument :  
 BNA\_E  
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TIC: BE093758.D

(26) Benzo(g,h,i)perylene

27.358min (-0.007) 0.52ng/ul

response 27624

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 276.00 | 100   | 100   |
| 138.00 | 27.30 | 25.59 |
| 277.00 | 25.60 | 24.51 |
| 0.00   | 0.00  | 0.00  |

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Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE081017\  
Data File : BE093758.D  
Acq On : 10 Aug 2017 22:41  
Operator : SJ/JU  
Sample : I4529-07  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

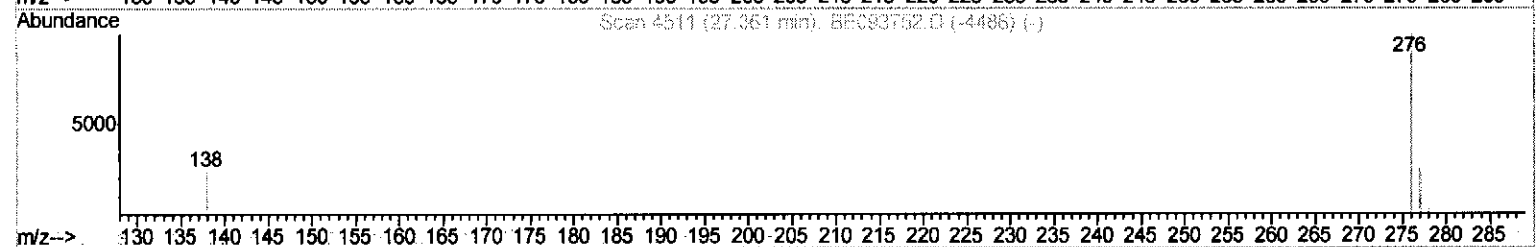
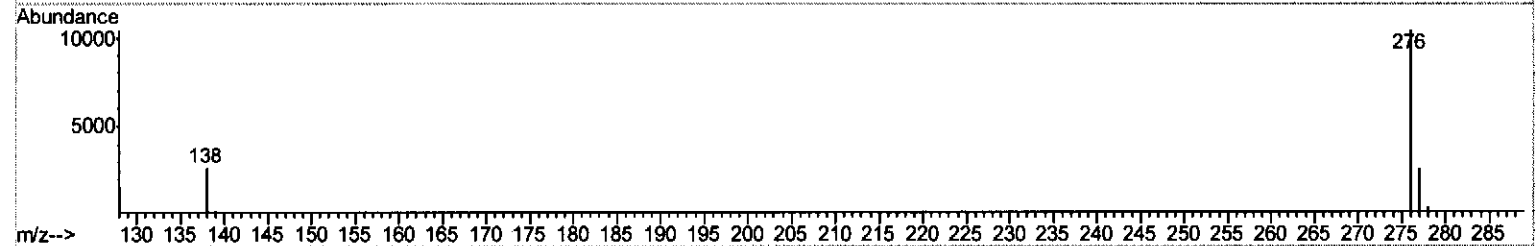
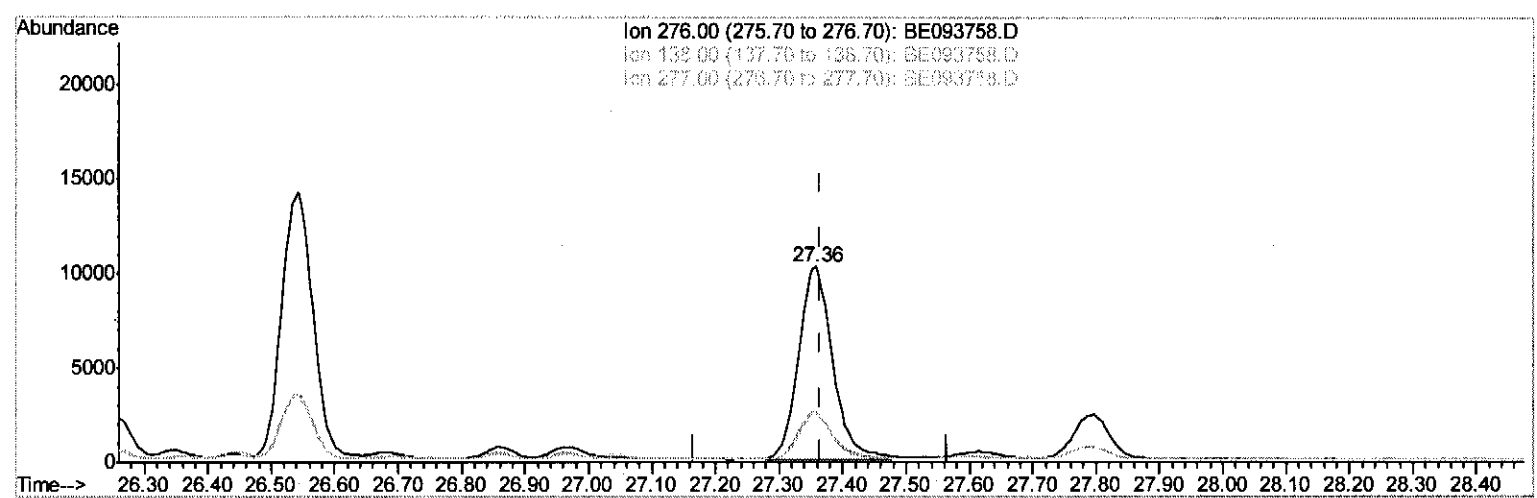
Instrument :  
BNA\_E  
ClientSampled :  
C0AA1

Manual Integrations  
APPROVED

sohil

8/14/2017 7:03:50 PM

Quant Time: Aug 11 18:32:58 2017  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE072417.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Aug 11 06:07:04 2017  
Response via : Initial Calibration



TIC: BE093758.D

(26) Benzo(g,h,i)perylene

27.358min (-0.007) 0.72ng/ul m

response 38002

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 276.00 | 100   | 100   |
| 138.00 | 27.30 | 25.59 |
| 277.00 | 25.60 | 24.51 |
| 0.00   | 0.00  | 0.00  |

*Handwritten signature and date: 8/14/17*

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE081017\  
 Data File : BE093758.D  
 Acq On : 10 Aug 2017 22:41  
 Operator : SJ/JU  
 Sample : I4529-07  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 C0AA1

Manual Integrations  
 APPROVED

sohil

8/14/2017 7:03:50 PM

Quant Time: Aug 11 18:35:00 2017

Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE072417.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Aug 11 06:07:04 2017

Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.92  | 152  | 3019     | 0.40 | ng/ul | 0.00     |
| 2) Naphthalene-d8         | 10.71 | 136  | 15774    | 0.40 | ng/ul | 0.00     |
| 6) Acenaphthene-d10       | 14.52 | 164  | 10084    | 0.40 | ng/ul | 0.00     |
| 10) Phenanthrene-d10      | 17.26 | 188  | 21973m   | 0.40 | ng/ul | 0.00     |
| 16) Chrysene-d12          | 21.41 | 240  | 23417    | 0.40 | ng/ul | 0.00     |
| 20) Perylene-d12          | 23.91 | 264  | 19222m   | 0.40 | ng/ul | 0.00     |

#### System Monitoring Compounds

|                            |       |     |       |      |       |      |
|----------------------------|-------|-----|-------|------|-------|------|
| 4) 2-Methylnaphthalene-d10 | 12.29 | 152 | 8037  | 0.31 | ng/ul | 0.00 |
| 14) Fluoranthene-d10       | 19.27 | 212 | 23563 | 0.34 | ng/ul | 0.00 |

#### Target Compounds

|                            |       |     |        |       | Qvalue |                   |
|----------------------------|-------|-----|--------|-------|--------|-------------------|
| 7) Acenaphthylene          | 14.24 | 152 | 4225   | 0.100 | ng/ul  | 97                |
| 8) Acenaphthene            | 14.58 | 153 | 3024   | 0.091 | ng/ul  | 96                |
| 9) Fluorene                | 15.57 | 166 | 5199   | 0.124 | ng/ul  | 92                |
| 12) Phenanthrene           | 17.29 | 178 | 81386  | 1.360 | ng/ul# | 89                |
| 13) Anthracene             | 17.38 | 178 | 14078  | 0.242 | ng/ul# | 91                |
| 15) Fluoranthene           | 19.30 | 202 | 200913 | 2.685 | ng/ul  | 84                |
| 17) Pyrene                 | 19.66 | 202 | 183501 | 2.685 | ng/ul# | 84                |
| 18) Benzo(a)anthracene     | 21.39 | 228 | 82975  | 1.222 | ng/ul# | 86                |
| 19) Chrysene               | 21.44 | 228 | 85884  | 1.319 | ng/ul  | 99                |
| 21) Benzo(b)fluoranthene   | 23.14 | 252 | 110282 | 1.855 | ng/ul  | 86                |
| 22) Benzo(k)fluoranthene   | 23.19 | 252 | 36755m | 0.627 | ng/ul  | } ——— JLU 8/14/17 |
| 23) Benzo(a)pyrene         | 23.80 | 252 | 80030m | 1.415 | ng/ul  |                   |
| 24) Indeno(1,2,3-cd)pyrene | 26.54 | 276 | 47805m | 0.766 | ng/ul  |                   |
| 25) Dibenzo(a,h)anthracene | 26.56 | 278 | 11723m | 0.225 | ng/ul  |                   |
| 26) Benzo(g,h,i)perylene   | 27.36 | 276 | 38002m | 0.722 | ng/ul  |                   |

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