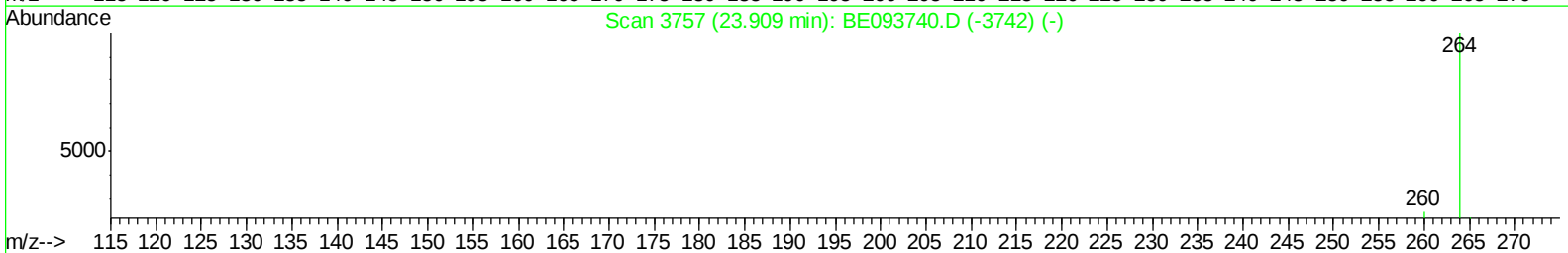
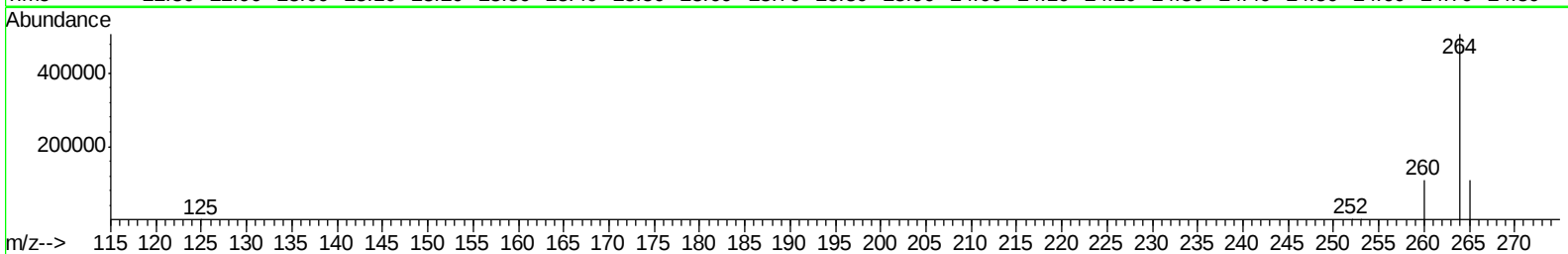
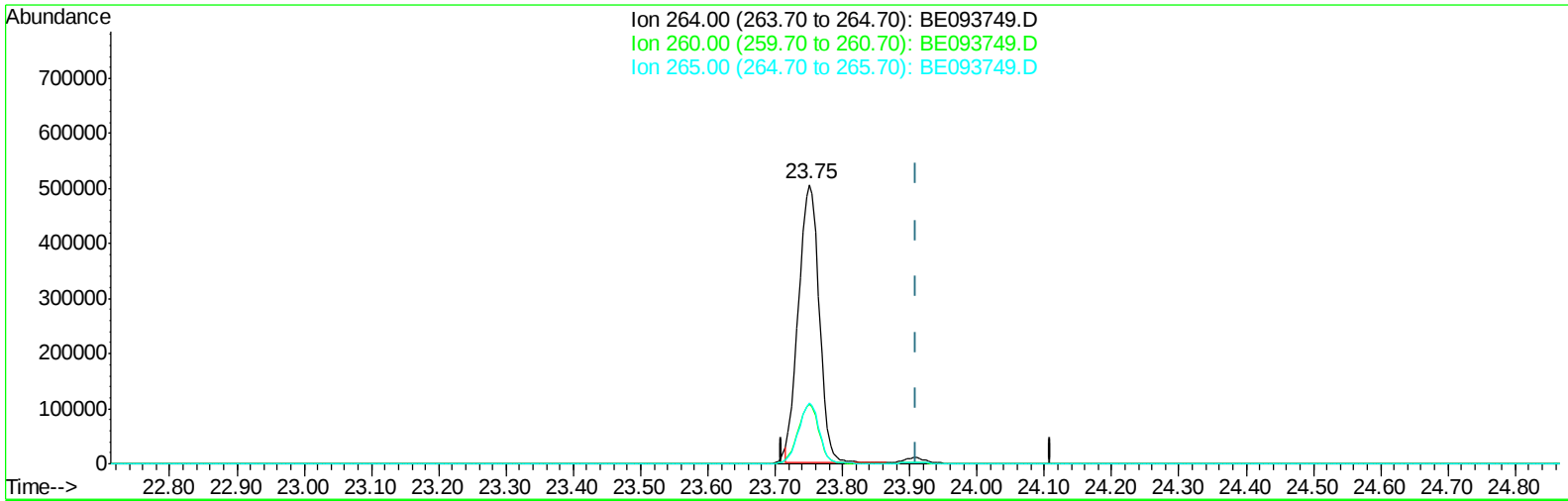


Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE081017\  
Data File : BE093749.D  
Acq On : 10 Aug 2017 15:52  
Operator : SJ/JU  
Sample : I4455-09  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 11 17:30:00 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



TIC: BE093749.D

(20) Perylene-d12 (I)

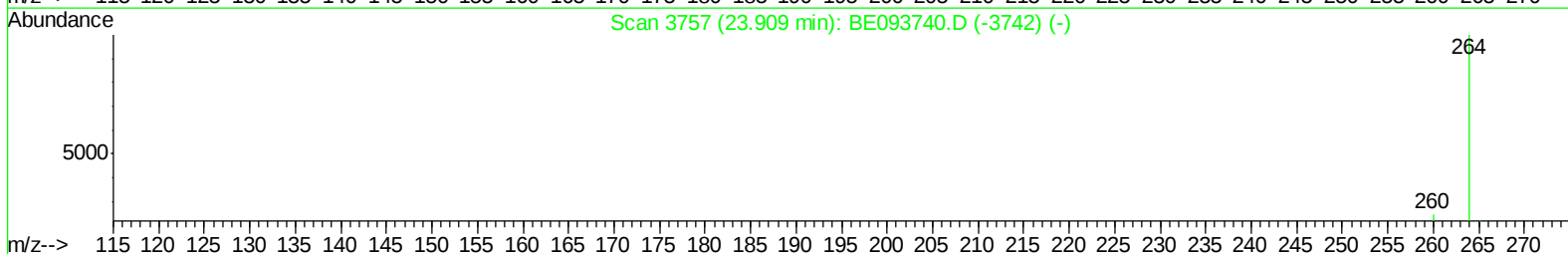
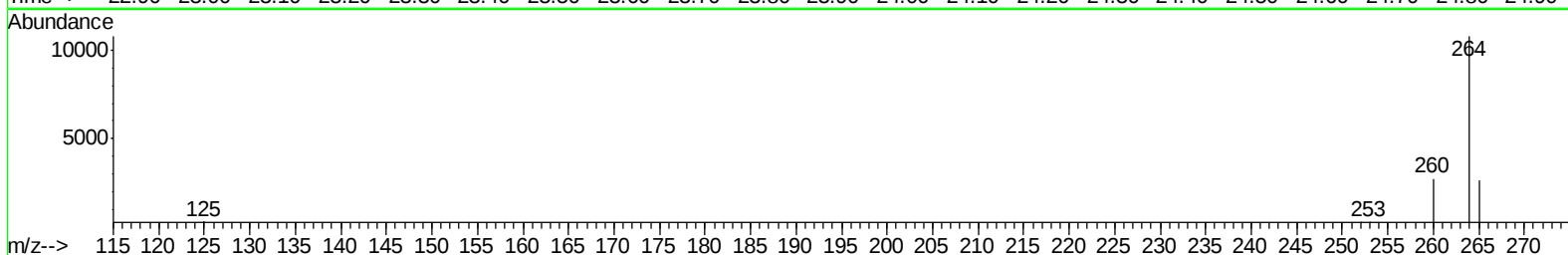
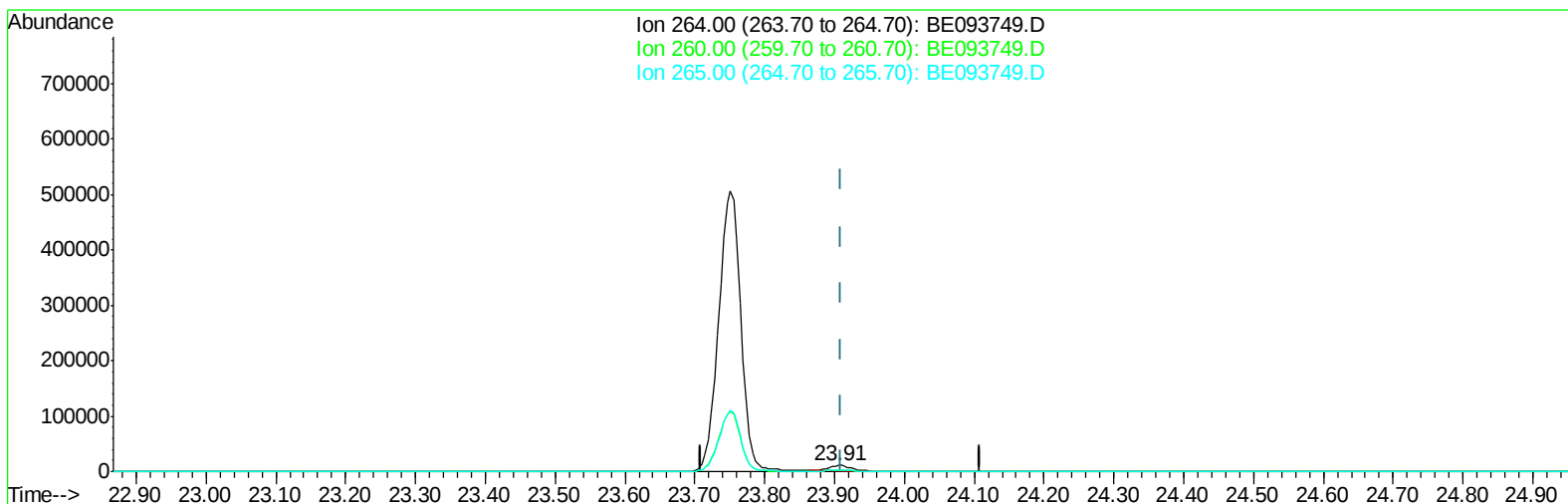
23.751min (-0.159) 0.40ng/ul

response 1088715

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100    | 100    |
| 260.00 | 30.10  | 21.30# |
| 265.00 | 103.50 | 21.63# |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE081017\  
Data File : BE093749.D  
Acq On : 10 Aug 2017 15:52  
Operator : SJ/JU  
Sample : I4455-09  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 11 17:30:00 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



TIC: BE093749.D

(20) Perylene-d12 (I)

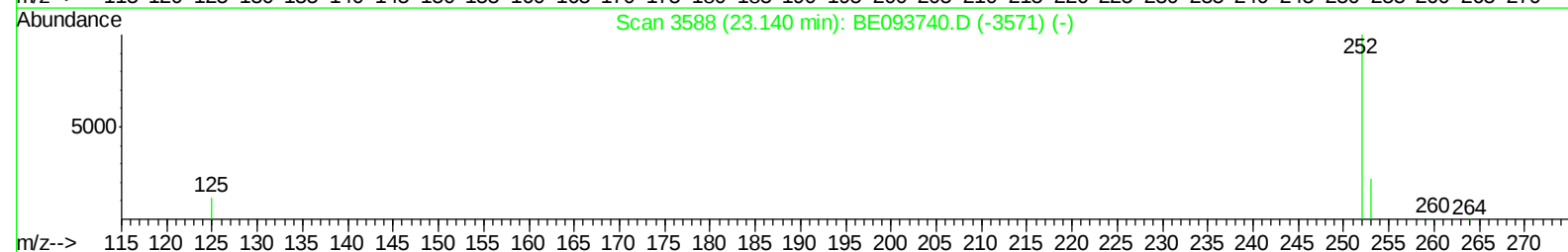
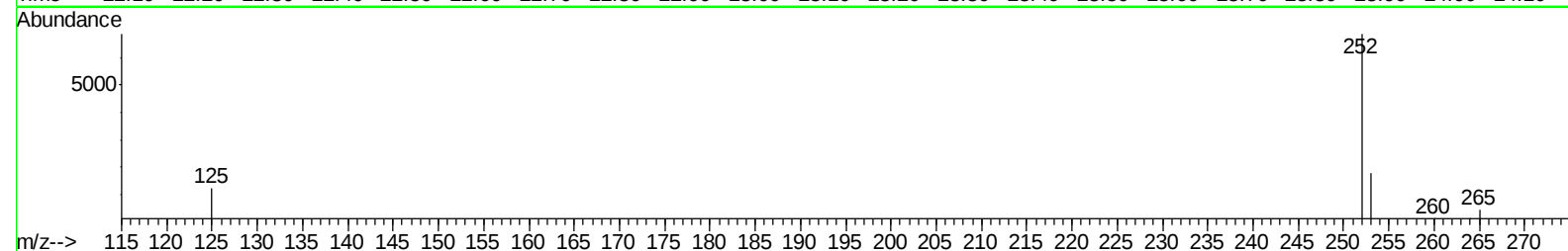
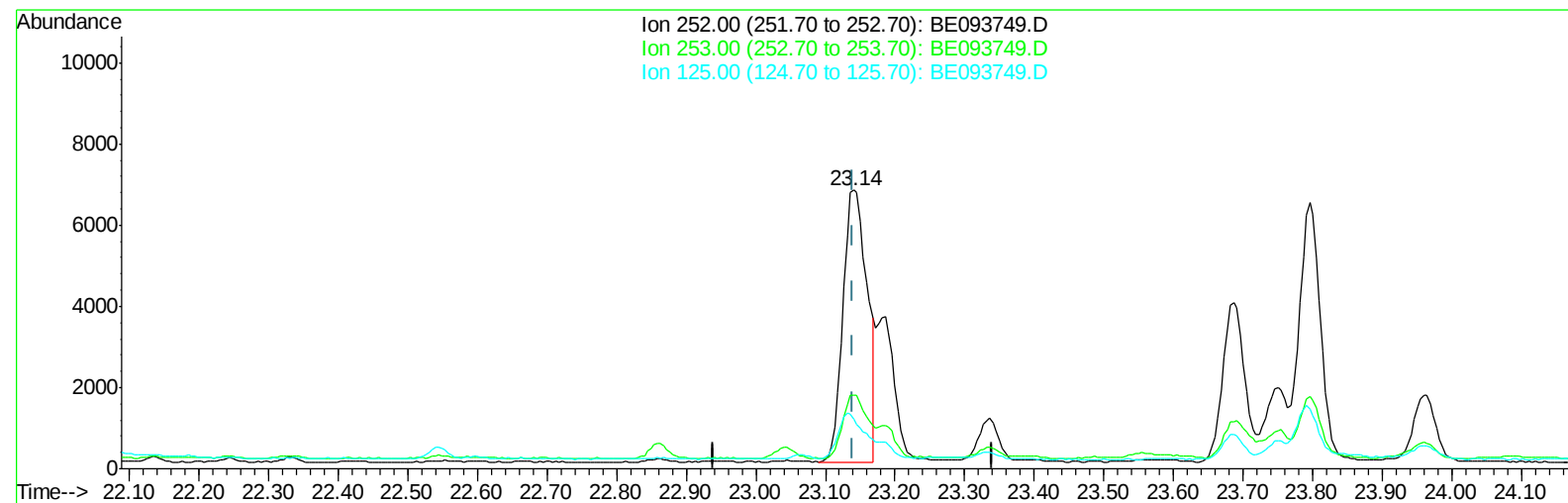
23.906min (-0.004) 0.40ng/ul m

response 19478

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100    | 100    |
| 260.00 | 30.10  | 25.06  |
| 265.00 | 103.50 | 24.22# |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE081017\  
Data File : BE093749.D  
Acq On : 10 Aug 2017 15:52  
Operator : SJ/JU  
Sample : I4455-09  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 11 18:06:04 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: BE093749.D

(21) Benzo(b)fluoranthene

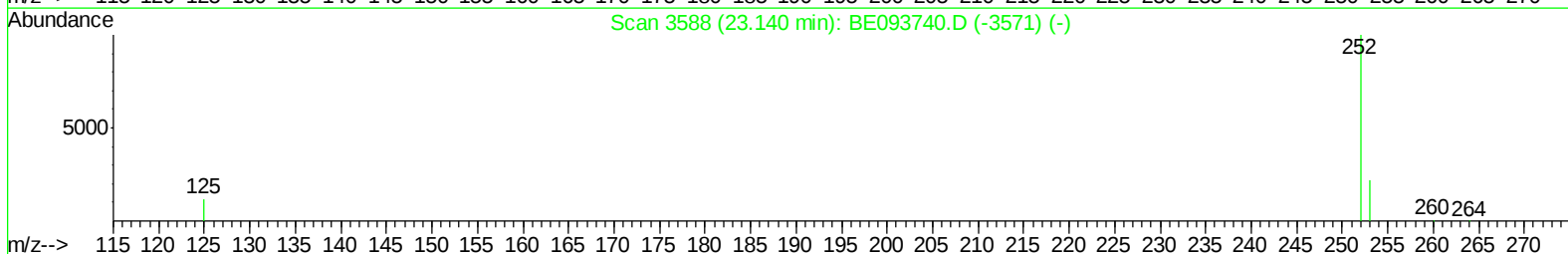
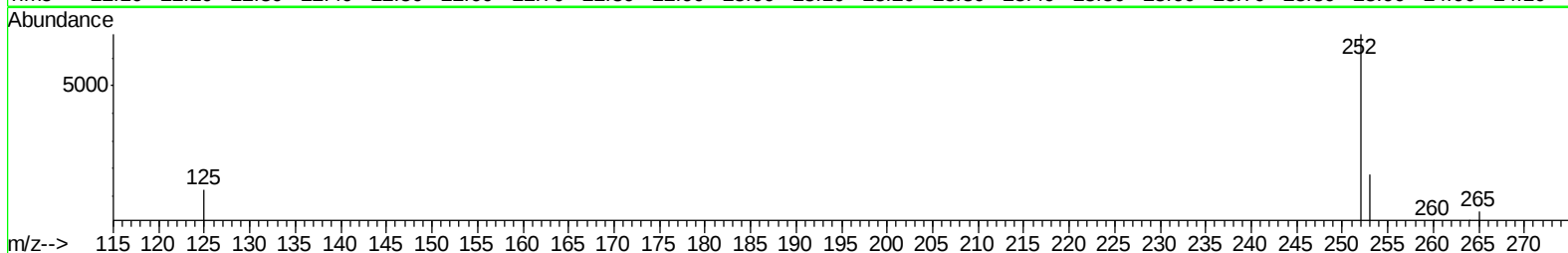
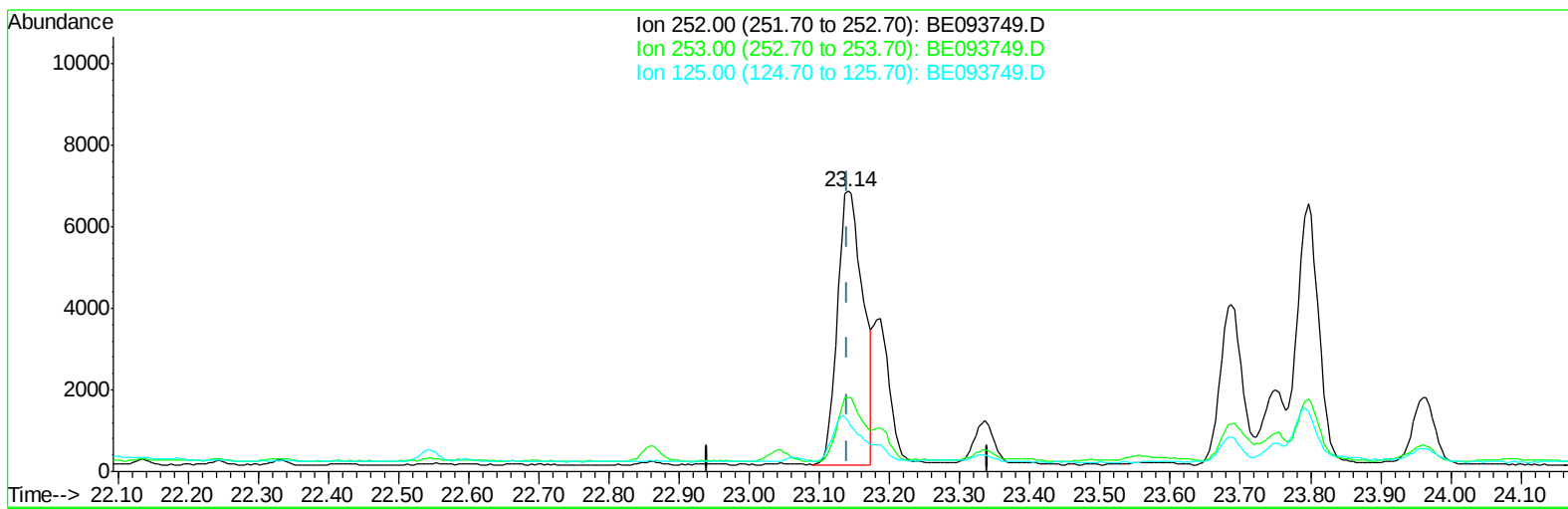
23.141min (+0.001) 0.27ng/ul

response 16065

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 32.10 | 26.29 |
| 125.00 | 17.50 | 17.92 |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE081017\  
Data File : BE093749.D  
Acq On : 10 Aug 2017 15:52  
Operator : SJ/JU  
Sample : I4455-09  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 11 18:06:04 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: BE093749.D

(21) Benzo(b)fluoranthene

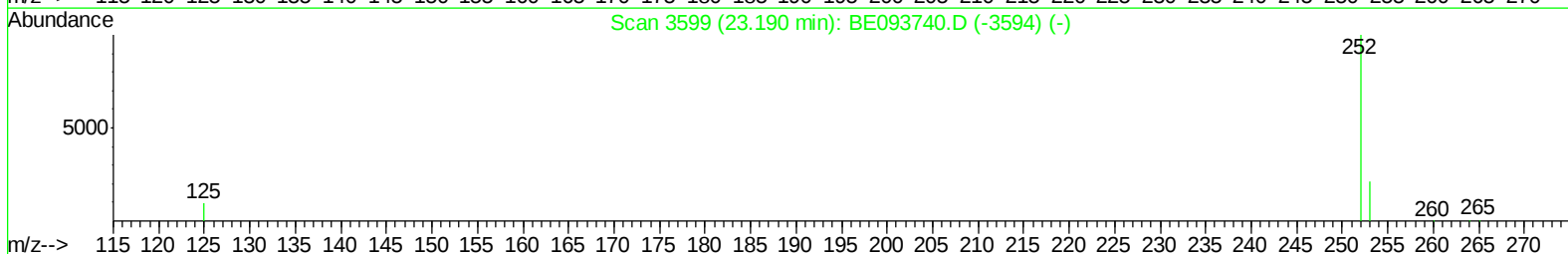
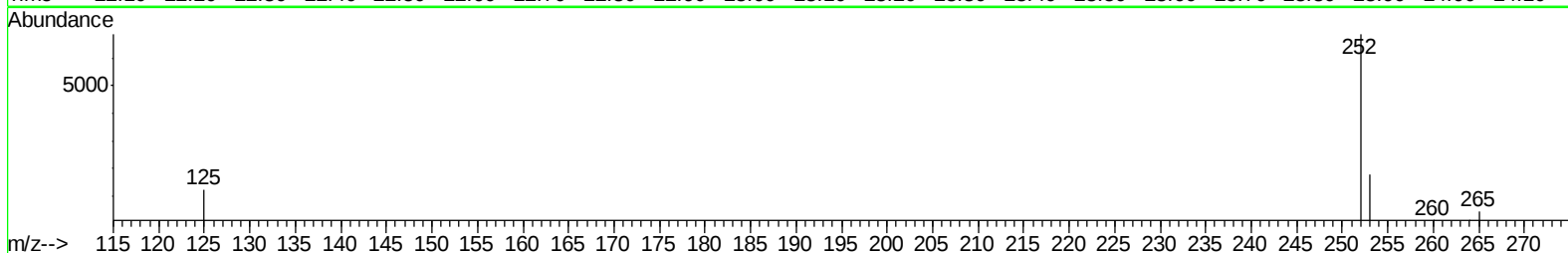
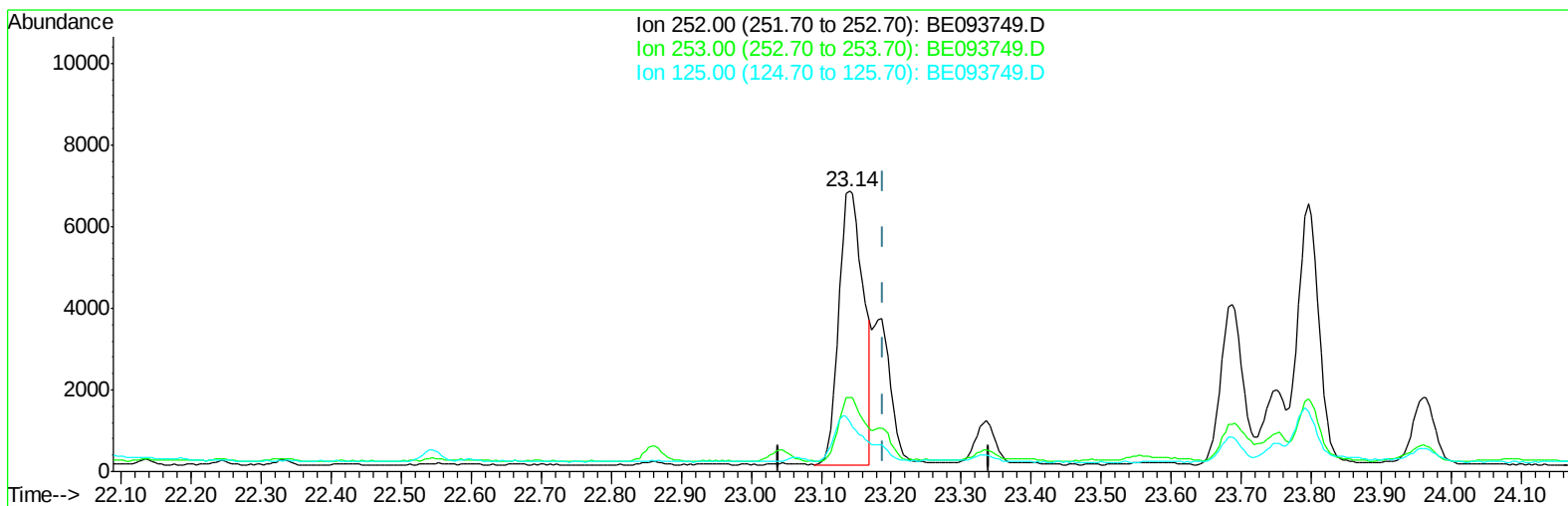
23.141min (+0.001) 0.28ng/ul m

response 17057

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 32.10 | 26.29 |
| 125.00 | 17.50 | 17.92 |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE081017\  
Data File : BE093749.D  
Acq On : 10 Aug 2017 15:52  
Operator : SJ/JU  
Sample : I4455-09  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 11 18:06:04 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: BE093749.D

(22) Benzo(k)fluoranthene

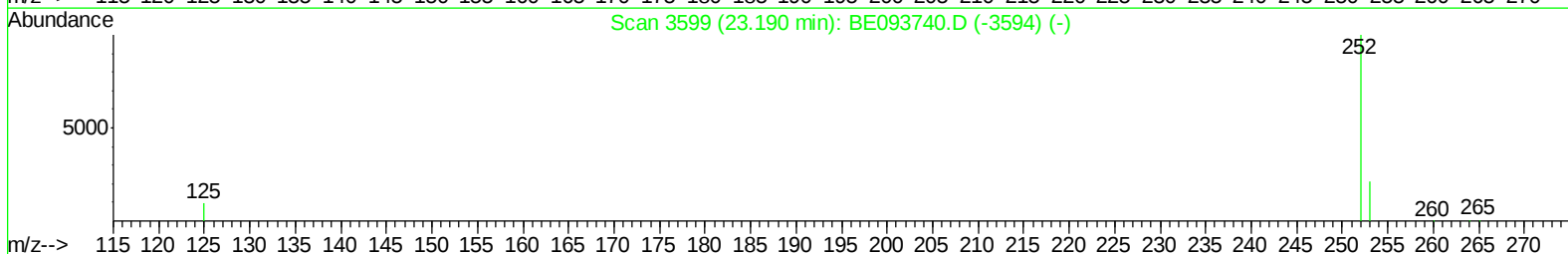
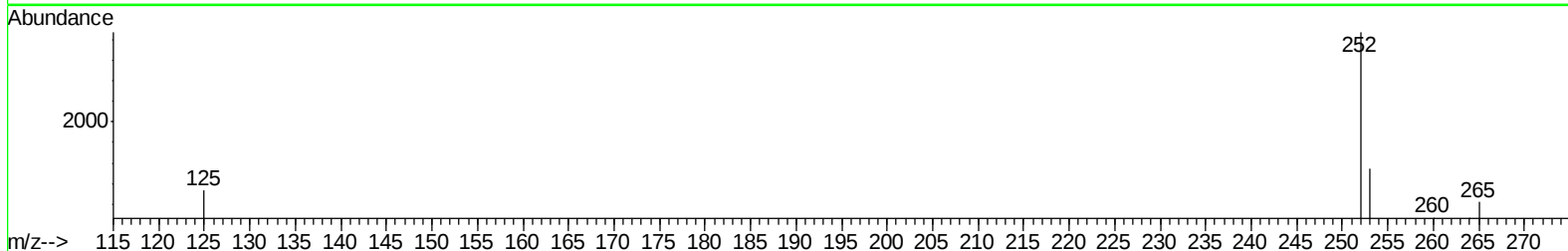
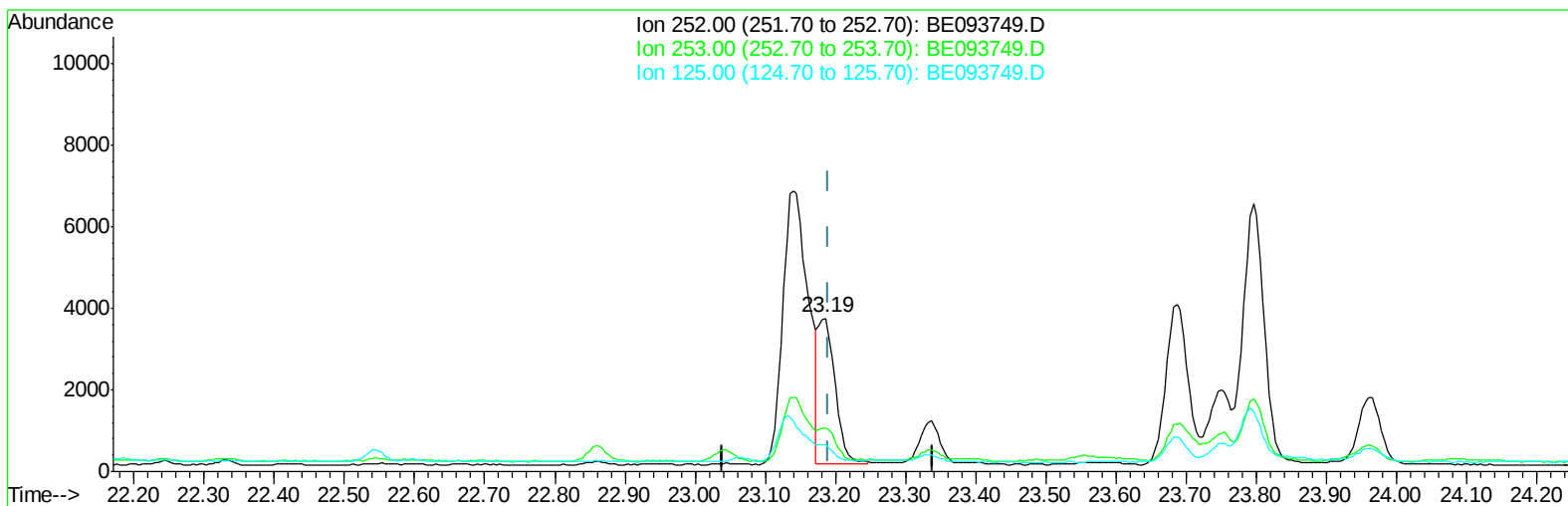
23.141min (-0.049) 0.27ng/ul

response 16065

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 30.60 | 26.29 |
| 125.00 | 17.10 | 17.92 |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE081017\  
Data File : BE093749.D  
Acq On : 10 Aug 2017 15:52  
Operator : SJ/JU  
Sample : I4455-09  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 11 18:06:04 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: BE093749.D

(22) Benzo(k)fluoranthene

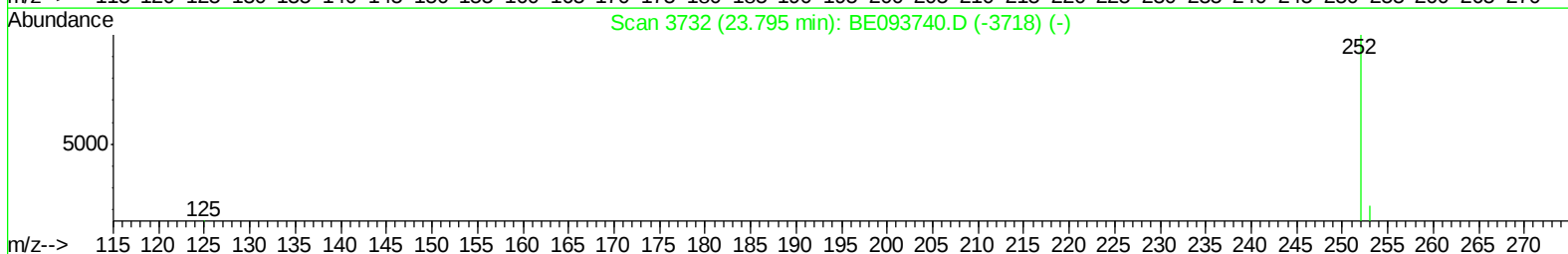
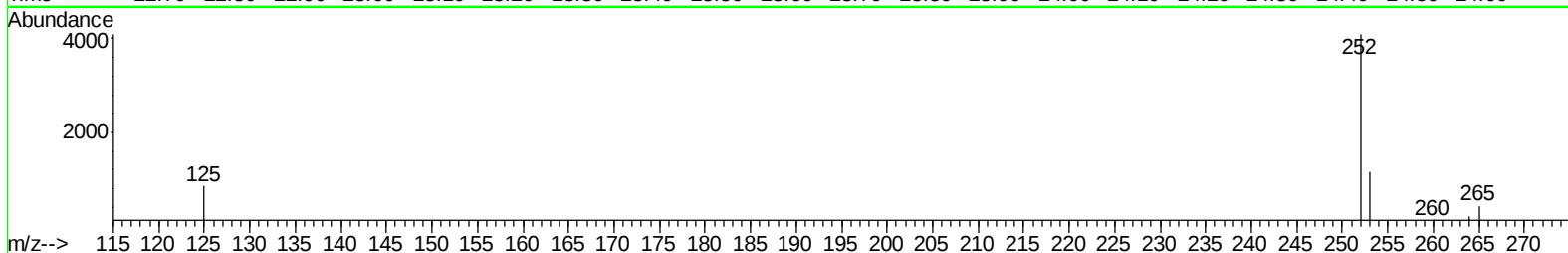
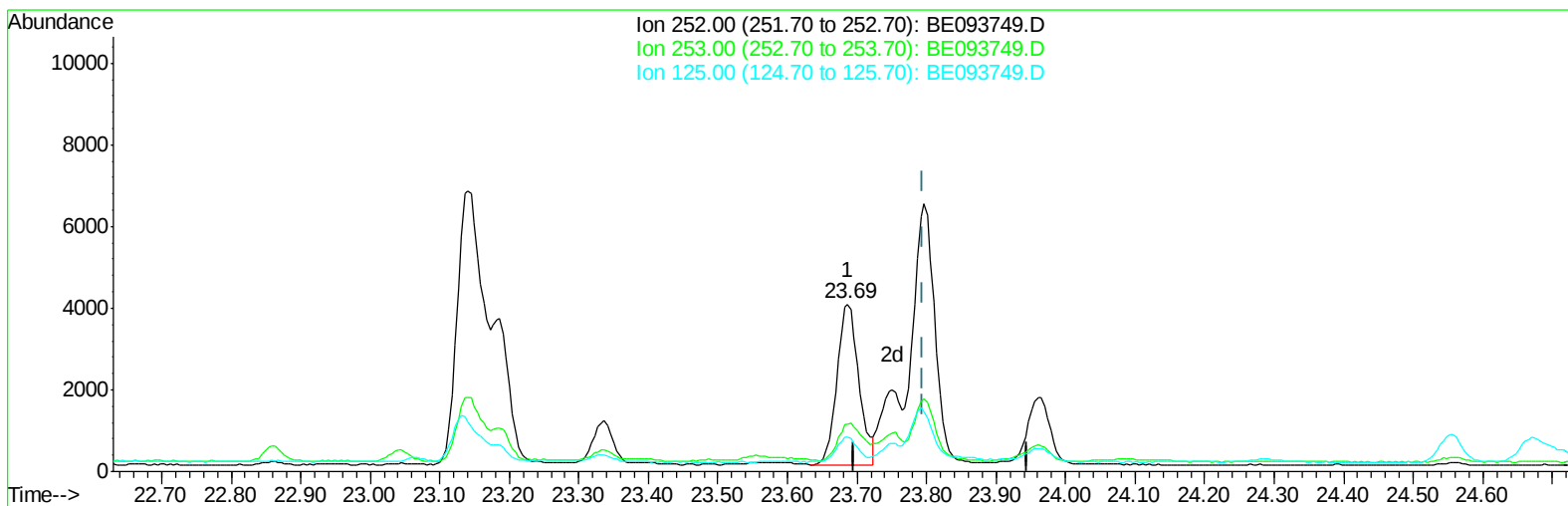
23.186min (-0.004) 0.10ng/ul m

response 5824

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 30.60 | 28.74 |
| 125.00 | 17.10 | 17.49 |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE081017\  
Data File : BE093749.D  
Acq On : 10 Aug 2017 15:52  
Operator : SJ/JU  
Sample : I4455-09  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 11 18:06:04 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: BE093749.D

(23) Benzo(a)pyrene (C)

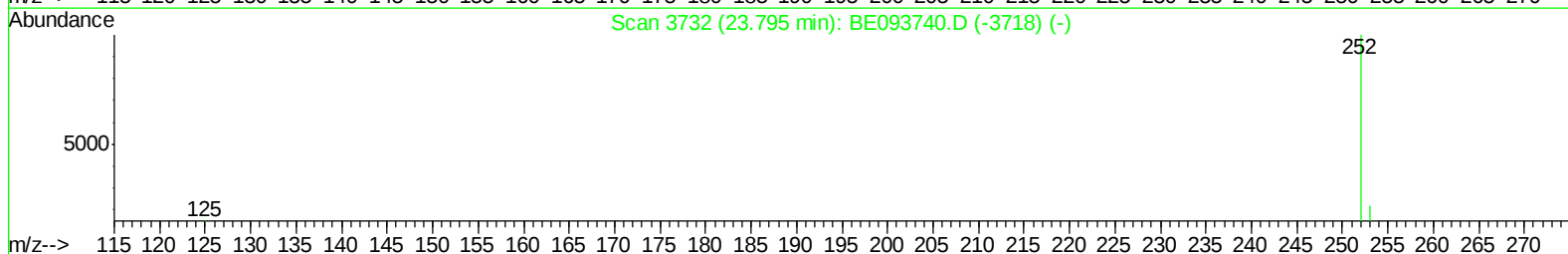
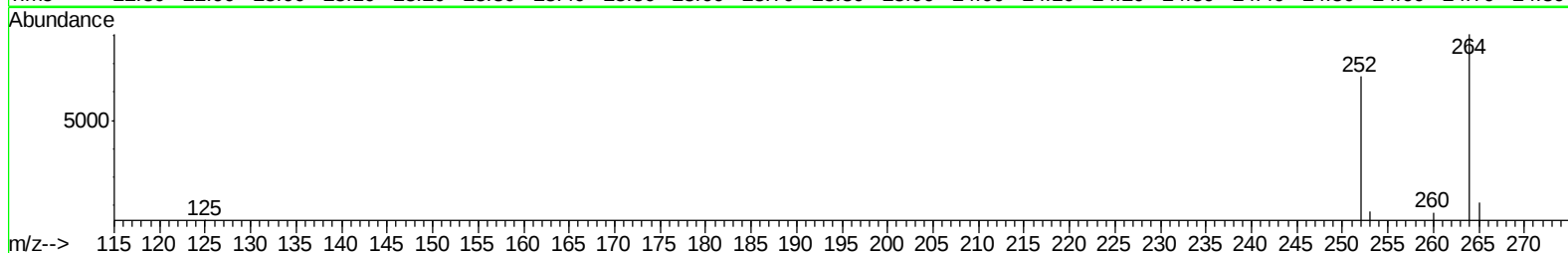
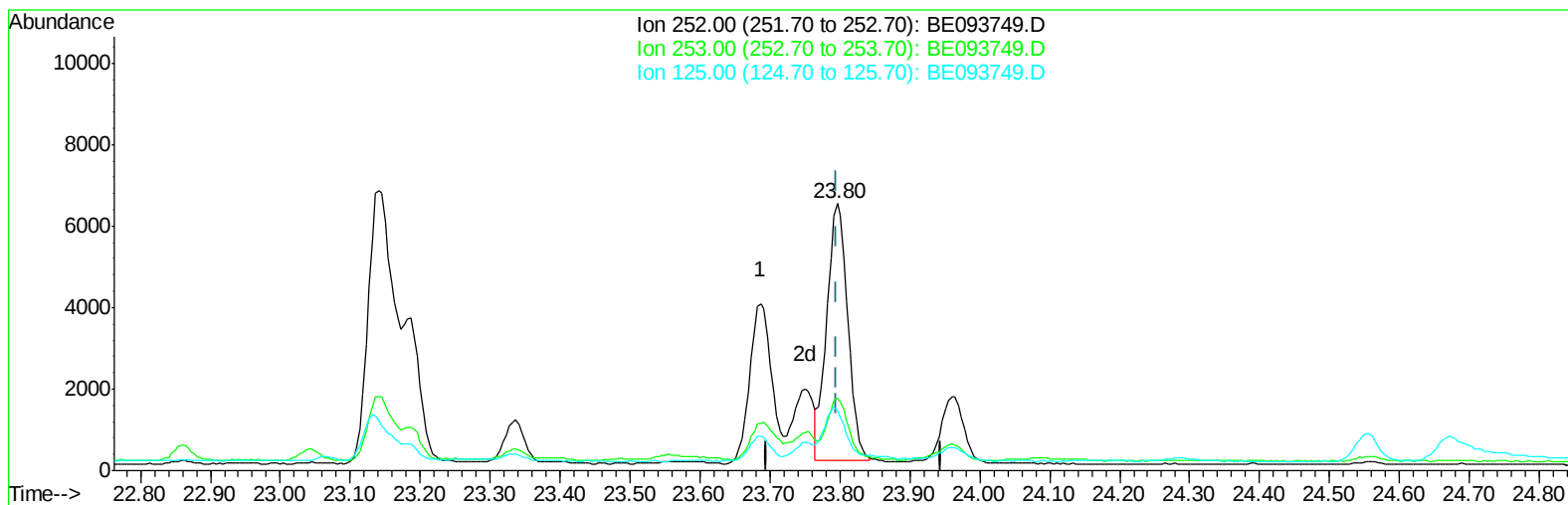
23.687min (-0.109) 0.15ng/ul

response 8787

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 35.60 | 28.49 |
| 125.00 | 22.60 | 20.69 |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE081017\  
Data File : BE093749.D  
Acq On : 10 Aug 2017 15:52  
Operator : SJ/JU  
Sample : I4455-09  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 11 18:06:04 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: BE093749.D

(23) Benzo(a)pyrene (C)

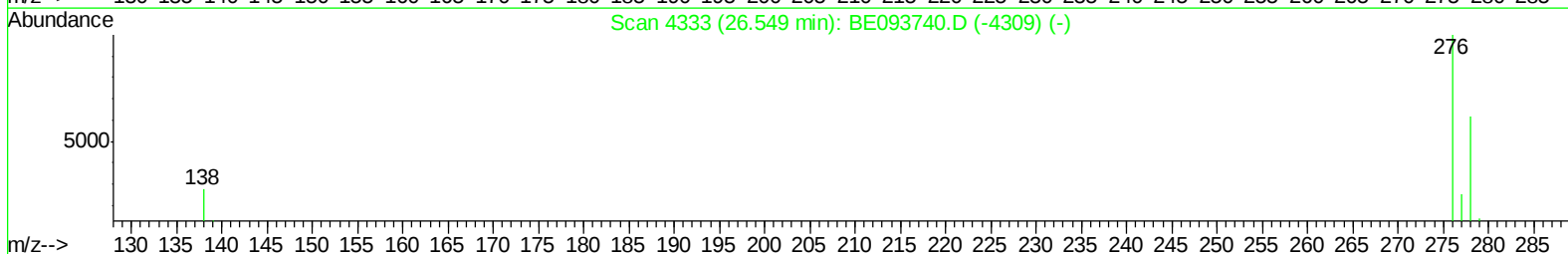
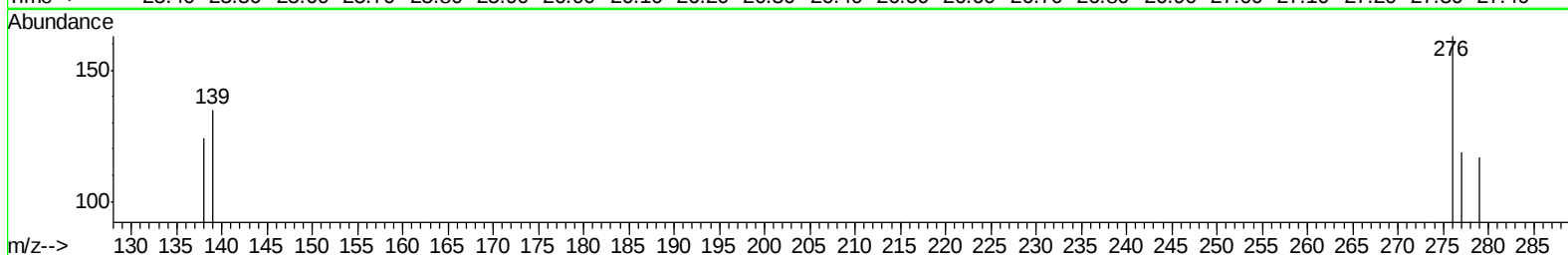
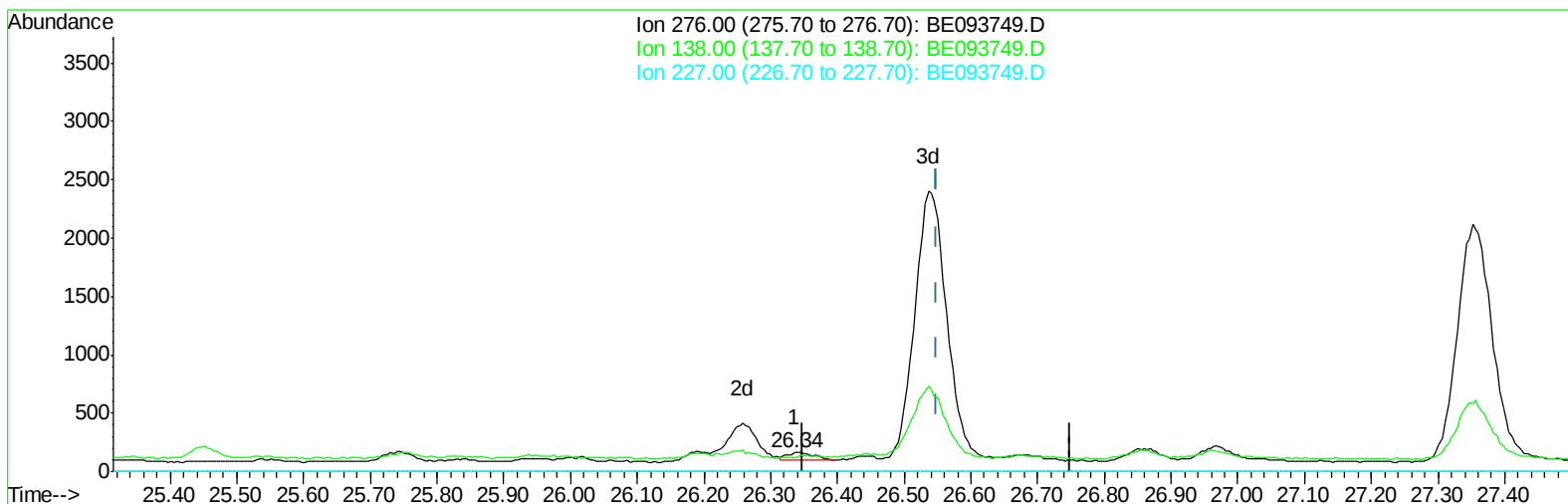
23.796min (+0.001) 0.23ng/ul m

response 13127

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 35.60 | 27.07# |
| 125.00 | 22.60 | 22.56  |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE081017\  
Data File : BE093749.D  
Acq On : 10 Aug 2017 15:52  
Operator : SJ/JU  
Sample : I4455-09  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 11 18:06:04 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: BE093749.D

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

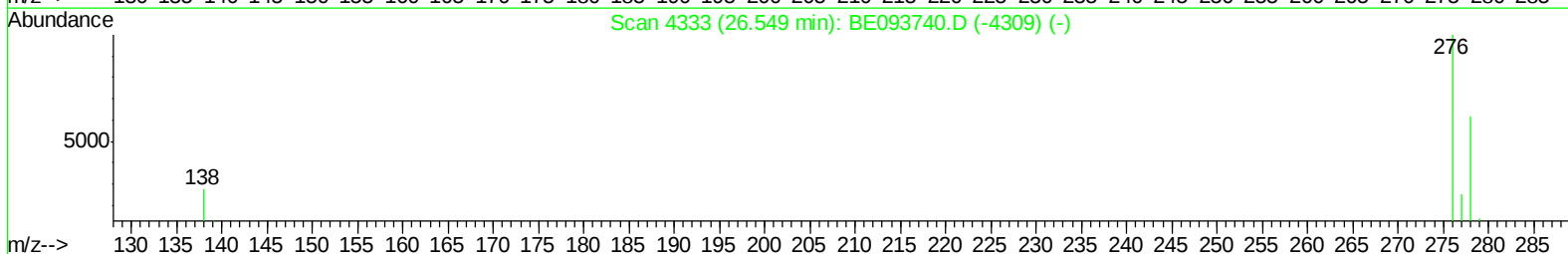
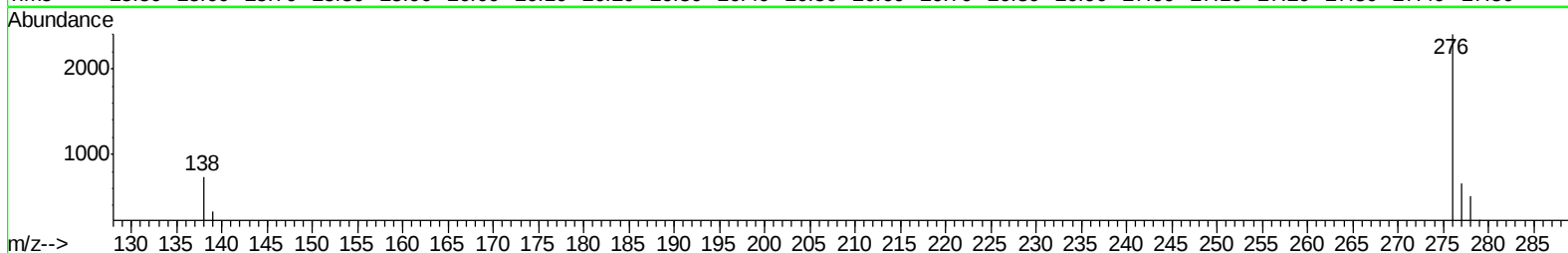
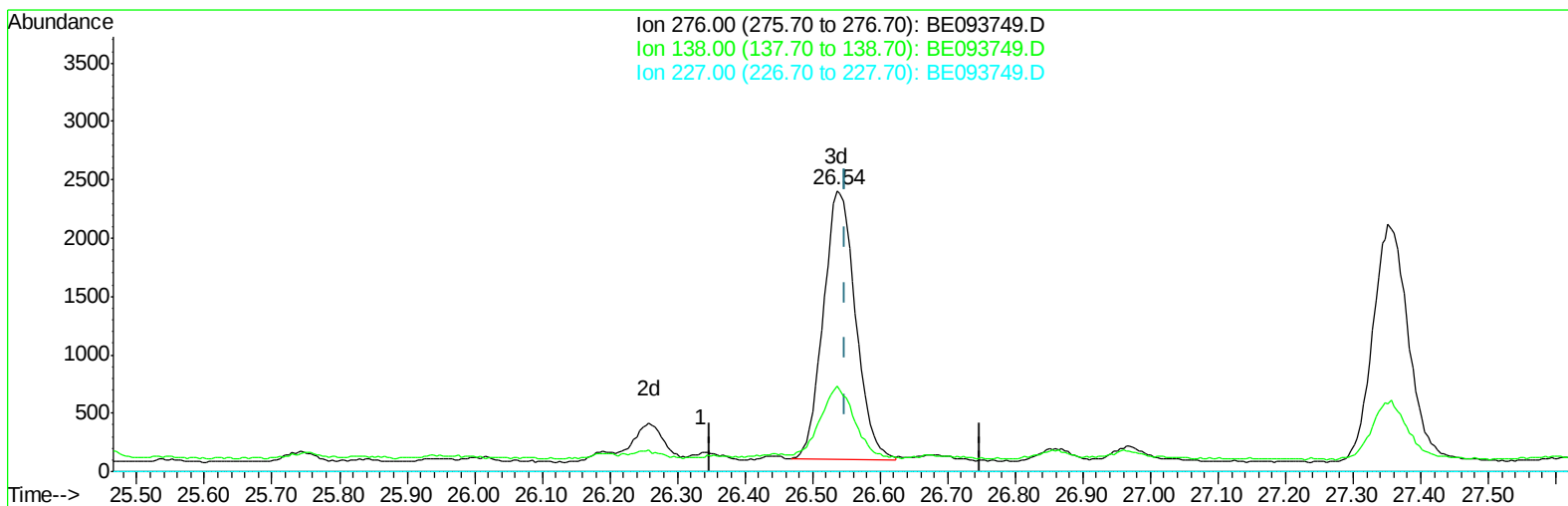
26.336min (-0.214) 0.00ng/ul

response 193

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

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE081017\  
Data File : BE093749.D  
Acq On : 10 Aug 2017 15:52  
Operator : SJ/JU  
Sample : I4455-09  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 11 18:06:04 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: BE093749.D

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

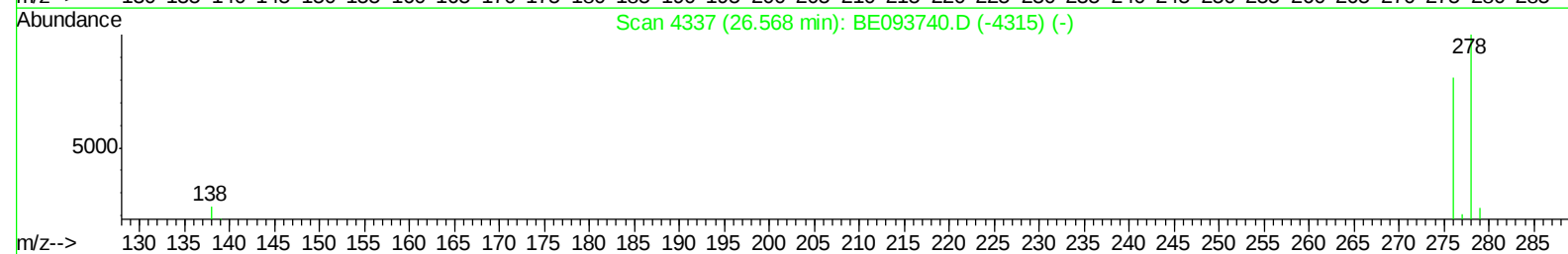
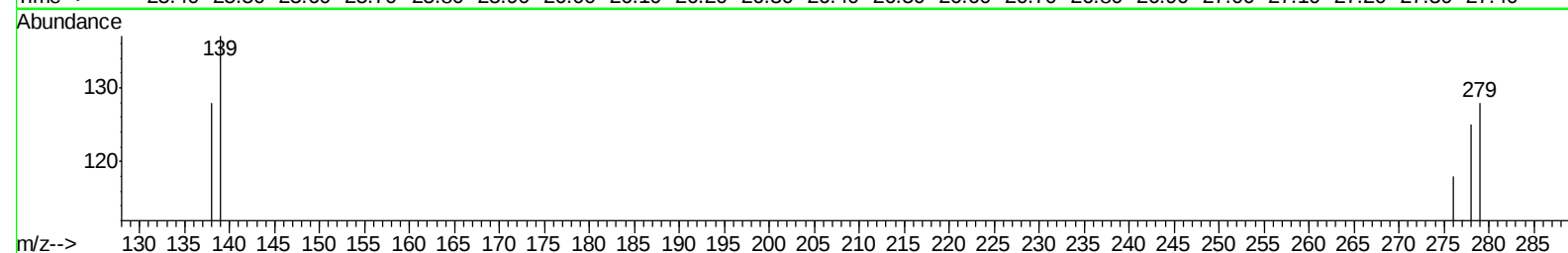
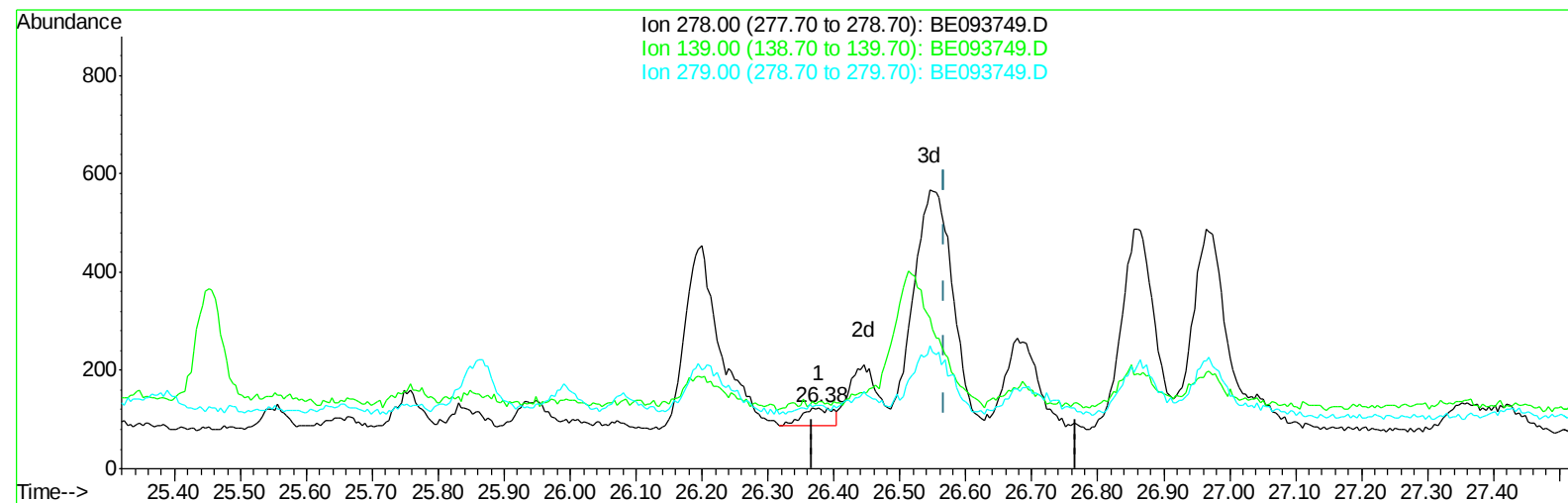
26.536min (-0.013) 0.12ng/ul m

response 7618

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

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE081017\  
Data File : BE093749.D  
Acq On : 10 Aug 2017 15:52  
Operator : SJ/JU  
Sample : I4455-09  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 11 18:06:04 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: BE093749.D

(25) Dibenzo(a,h)anthracene

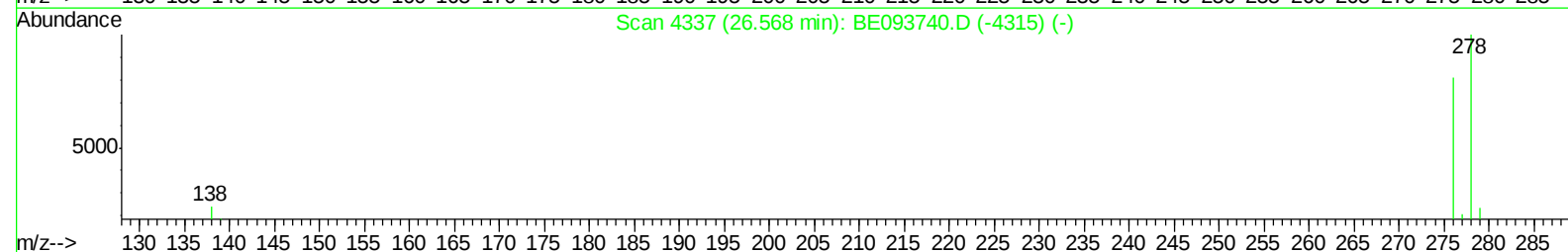
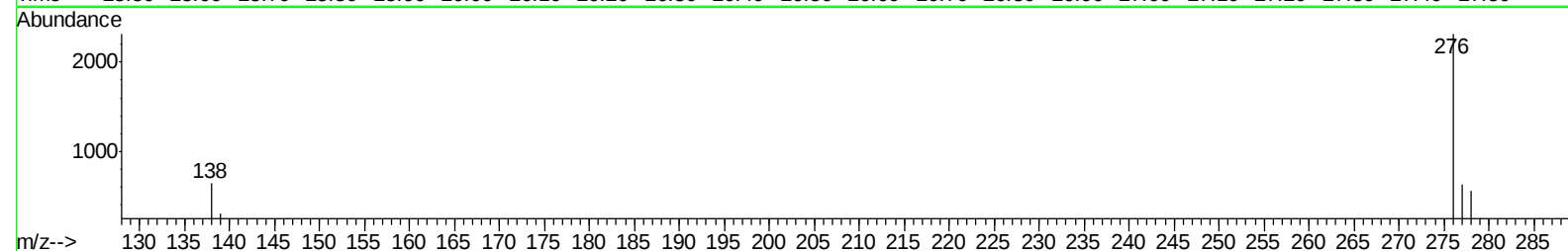
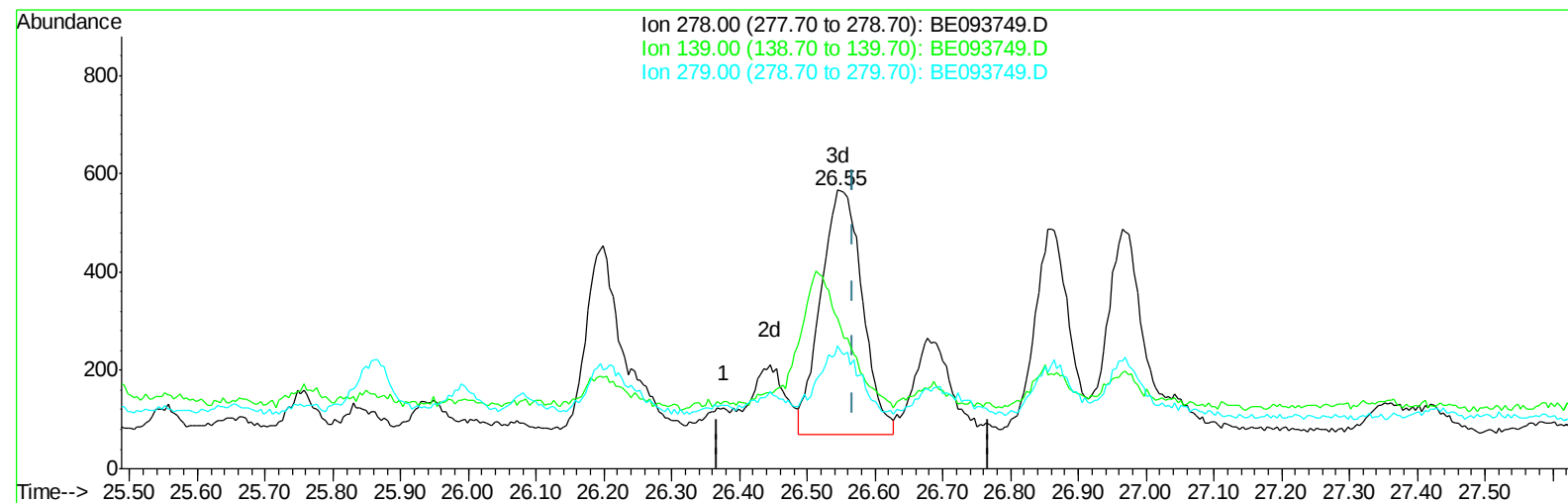
26.377min (-0.191) 0.00ng/ul

response 122

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 278.00 | 100   | 100     |
| 139.00 | 21.70 | 109.60# |
| 279.00 | 32.40 | 102.40# |
| 0.00   | 0.00  | 0.00    |

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE081017\  
Data File : BE093749.D  
Acq On : 10 Aug 2017 15:52  
Operator : SJ/JU  
Sample : I4455-09  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 11 18:06:04 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: BE093749.D

(25) Dibenzo(a,h)anthracene

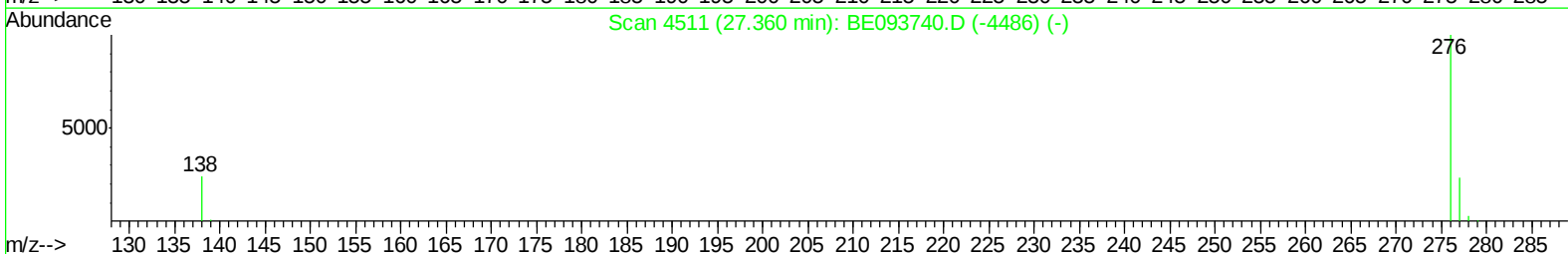
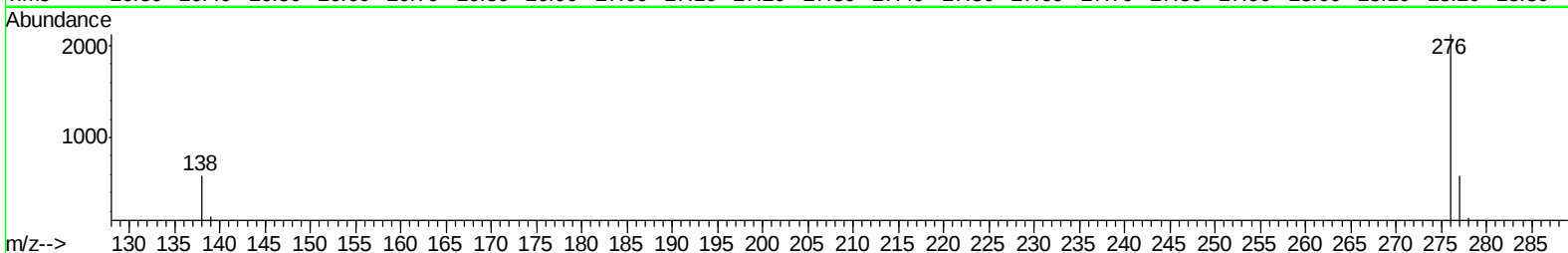
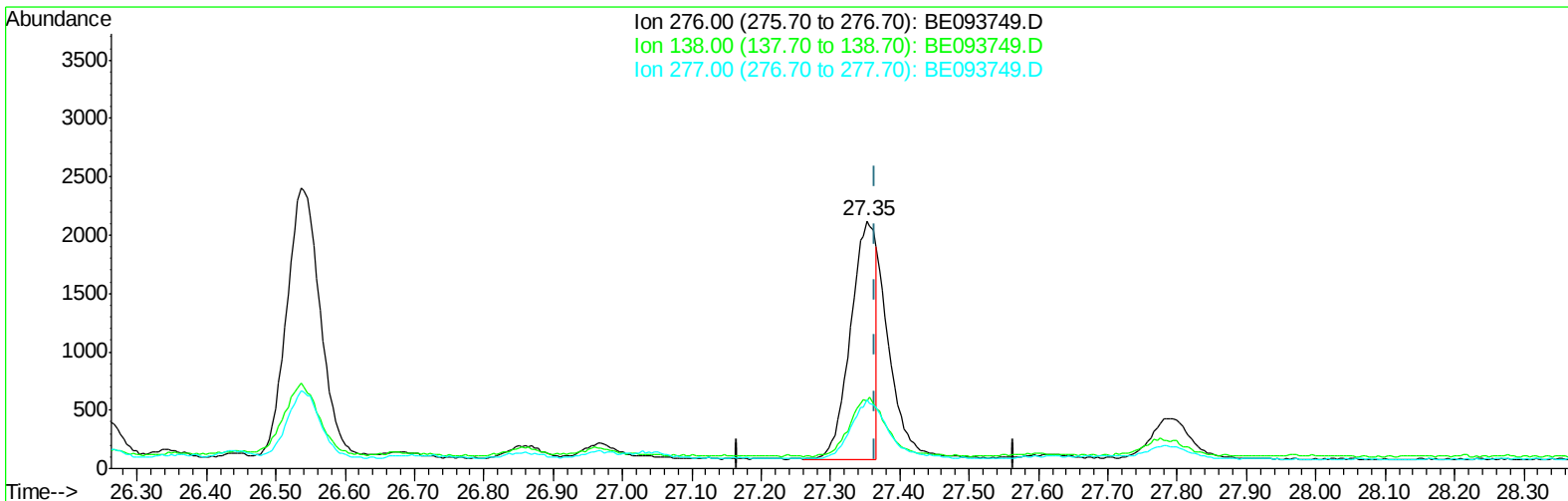
26.545min (-0.022) 0.04ng/ul m

response 2127

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 278.00 | 100   | 100    |
| 139.00 | 21.70 | 53.97# |
| 279.00 | 32.40 | 43.92# |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE081017\  
 Data File : BE093749.D  
 Acq On : 10 Aug 2017 15:52  
 Operator : SJ/JU  
 Sample : I4455-09  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 11 18:06:04 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



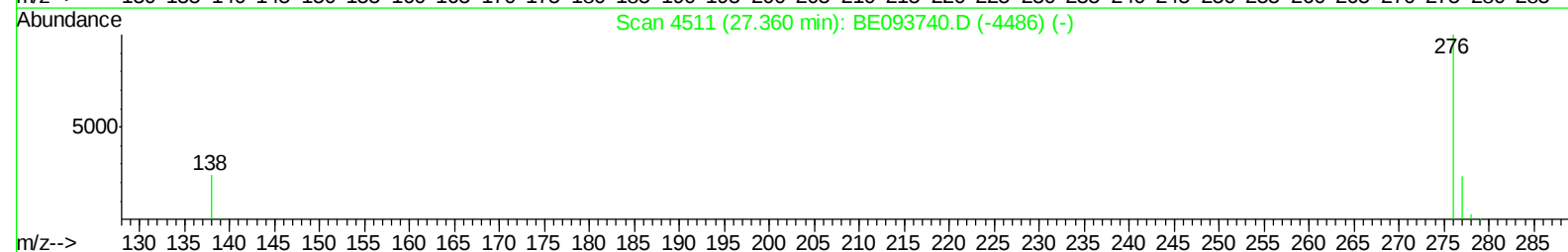
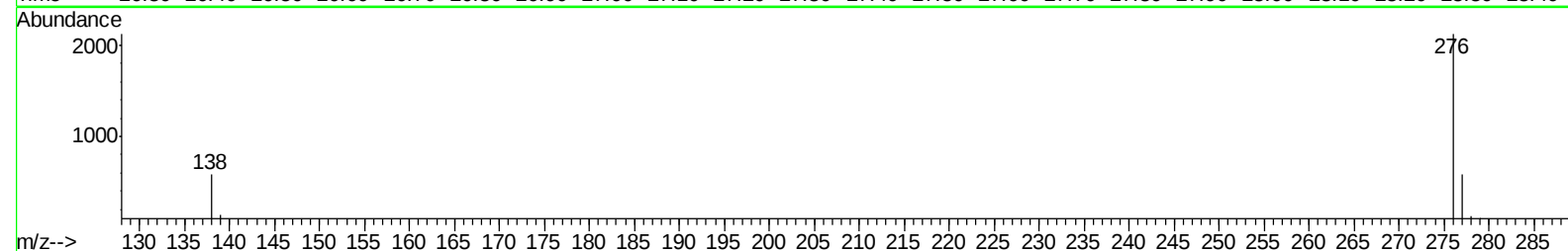
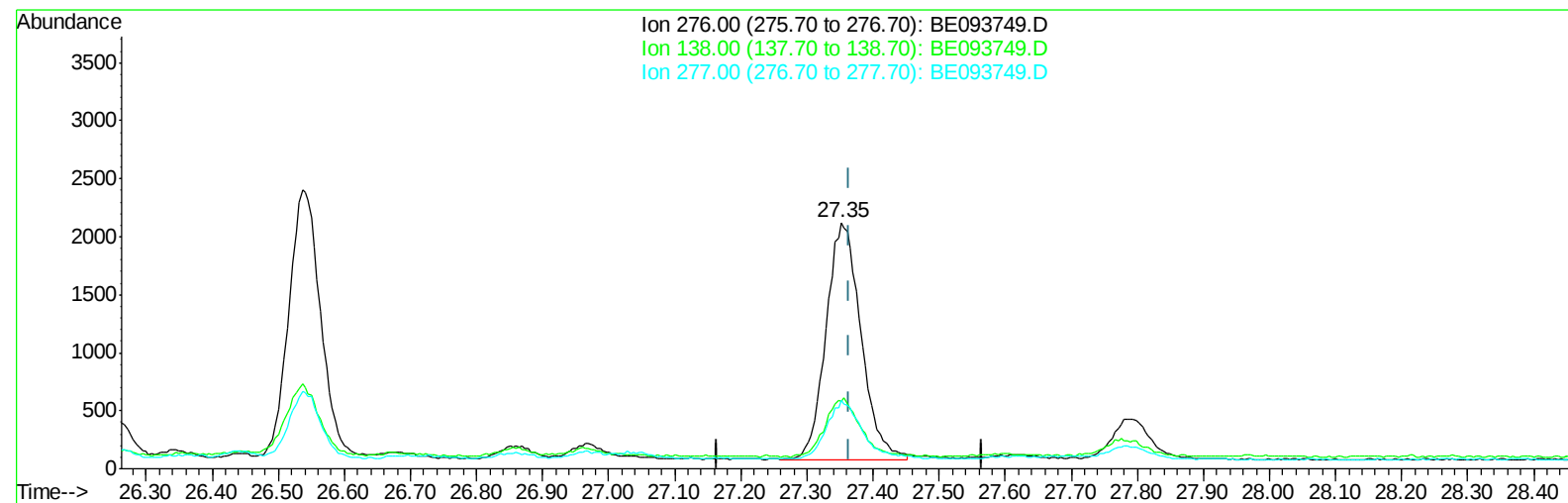
TIC: BE093749.D

(26) Benzo(g,h,i)perylene  
 27.352min (-0.013) 0.10ng/ul  
 response 5097  

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 276.00 | 100   | 100   |
| 138.00 | 27.30 | 27.30 |
| 277.00 | 25.60 | 27.72 |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE081017\  
Data File : BE093749.D  
Acq On : 10 Aug 2017 15:52  
Operator : SJ/JU  
Sample : I4455-09  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 11 18:06:04 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: BE093749.D

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

27.352min (-0.013) 0.14ng/ul m

response 7530

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 276.00 | 100   | 100   |
| 138.00 | 27.30 | 27.30 |
| 277.00 | 25.60 | 27.72 |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE081017\  
 Data File : BE093749.D  
 Acq On : 10 Aug 2017 15:52  
 Operator : SJ/JU  
 Sample : I4455-09  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 11 18:08:55 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  | 2923     | 0.40   | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.71 | 136  | 14847    | 0.40   | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.52 | 164  | 8933     | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.26 | 188  | 20388    | 0.40   | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.40 | 240  | 23190    | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.91 | 264  | 19478m   | 0.40   | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.28 | 152  | 4973     | 0.21   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.27 | 212  | 14642    | 0.23   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Qvalue |        |          |
| 5) 2-Methylnaphthalene      | 12.36 | 142  | 1297     | 0.049  | ng/ul  | 99       |
| 9) Fluorene                 | 15.57 | 166  | 1435     | 0.039  | ng/ul# | 89       |
| 12) Phenanthrene            | 17.29 | 178  | 6320     | 0.114  | ng/ul  | 92       |
| 15) Fluoranthene            | 19.30 | 202  | 21313    | 0.307  | ng/ul  | 84       |
| 17) Pyrene                  | 19.66 | 202  | 26394    | 0.390  | ng/ul# | 82       |
| 18) Benzo(a)anthracene      | 21.39 | 228  | 15034    | 0.224  | ng/ul# | 88       |
| 19) Chrysene                | 21.45 | 228  | 14868    | 0.231  | ng/ul  | 98       |
| 21) Benzo(b)fluoranthene    | 23.14 | 252  | 17057m   | 0.283  | ng/ul  |          |
| 22) Benzo(k)fluoranthene    | 23.19 | 252  | 5824m    | 0.098  | ng/ul  |          |
| 23) Benzo(a)pyrene          | 23.80 | 252  | 13127m   | 0.229  | ng/ul  |          |
| 24) Indeno(1,2,3-cd)pyrene  | 26.54 | 276  | 7618m    | 0.120  | ng/ul  |          |
| 25) Dibenzo(a,h)anthracene  | 26.55 | 278  | 2127m    | 0.040  | ng/ul  |          |
| 26) Benzo(g,h,i)perylene    | 27.35 | 276  | 7530m    | 0.141  | ng/ul  |          |

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

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE081017\  
Data File : BE093749.D  
Acq On : 10 Aug 2017 15:52  
Operator : SJ/JU  
Sample : I4455-09  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

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