

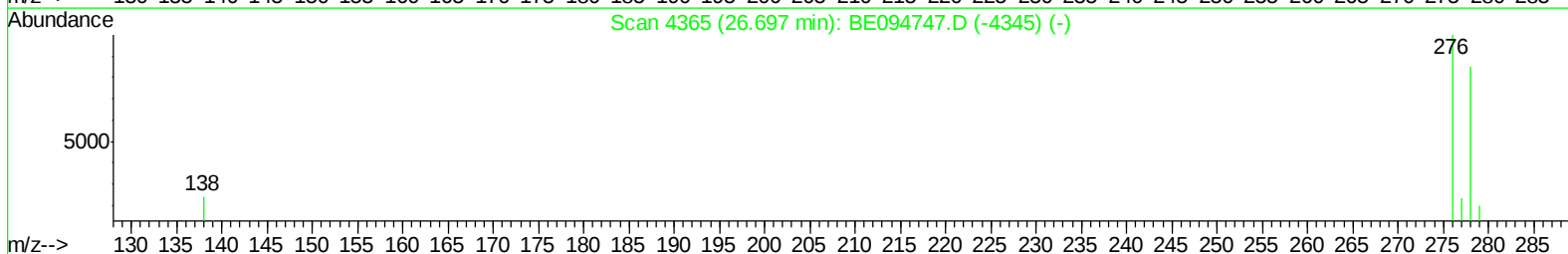
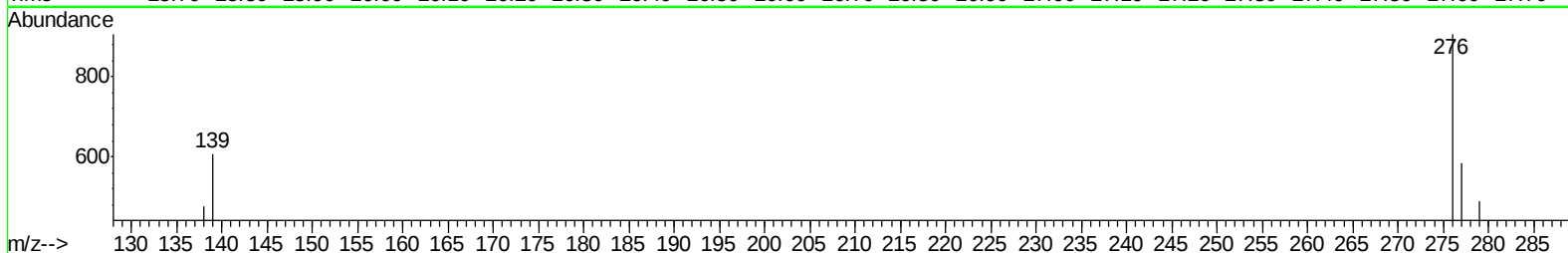
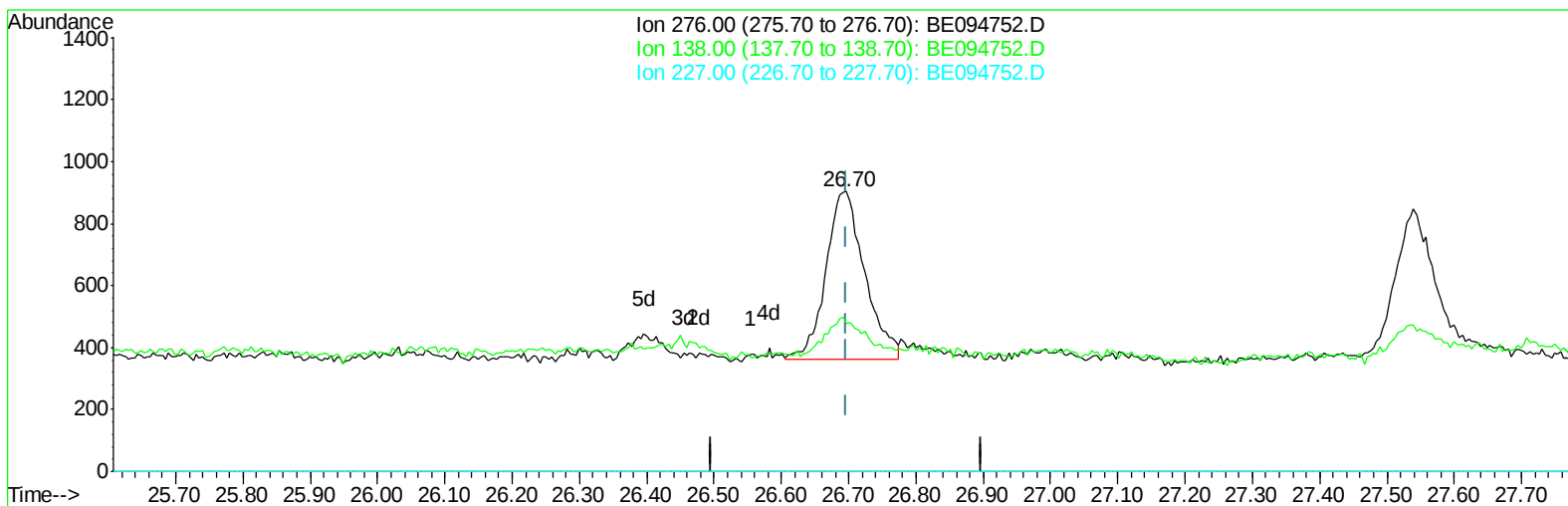
Data Path : Z:\HPCHEM1\BNA E\DATA\BE110617\  
Data File : BE094752.D  
Acq On : 6 Nov 2017 14:31  
Operator : SJ/JU  
Sample : I6150-06  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
B-3(2-3)-102517

Manual Integrations  
APPROVED

Sohil  
11/7/2017 5:41:32 PM

Quant Time: Nov 07 00:38:58 2017  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Nov 07 00:12:32 2017  
Response via : Initial Calibration



TIC: BE094752.D

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

26.696min (-0.001) 0.09ng/ul m

response 2171

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 276.00 | 100   | 100   |
| 138.00 | 35.00 | 0.78# |
| 227.00 | 10.00 | 0.00# |
| 0.00   | 0.00  | 0.00  |

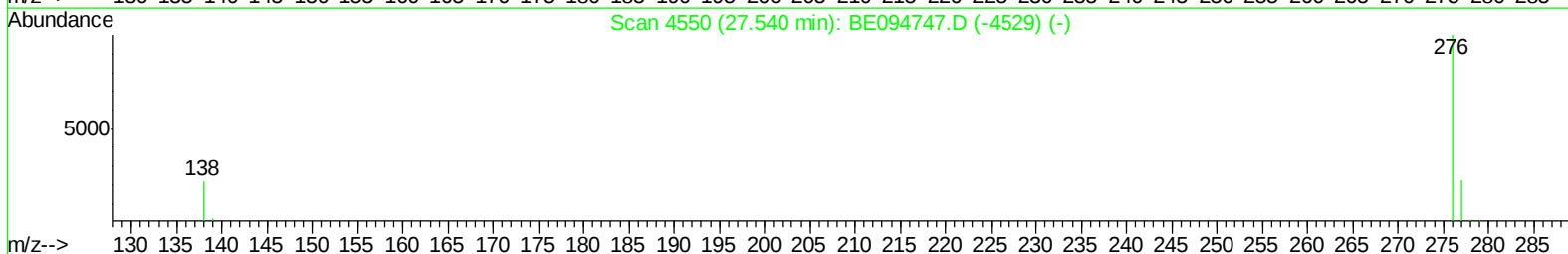
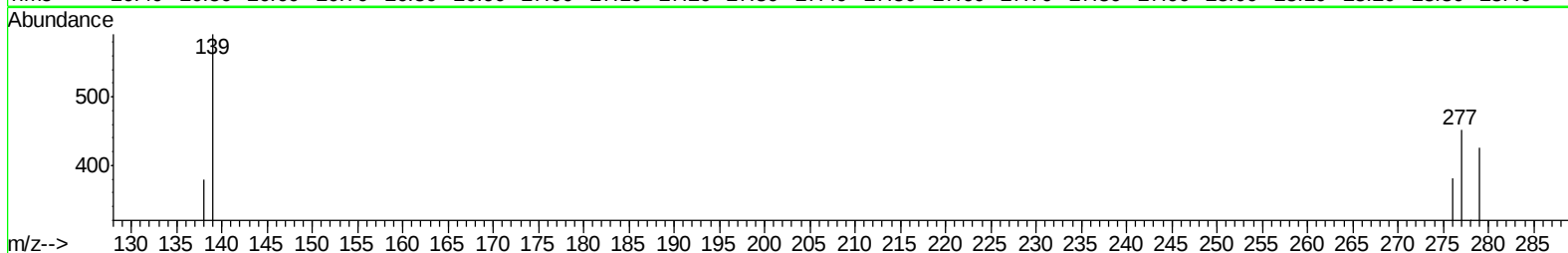
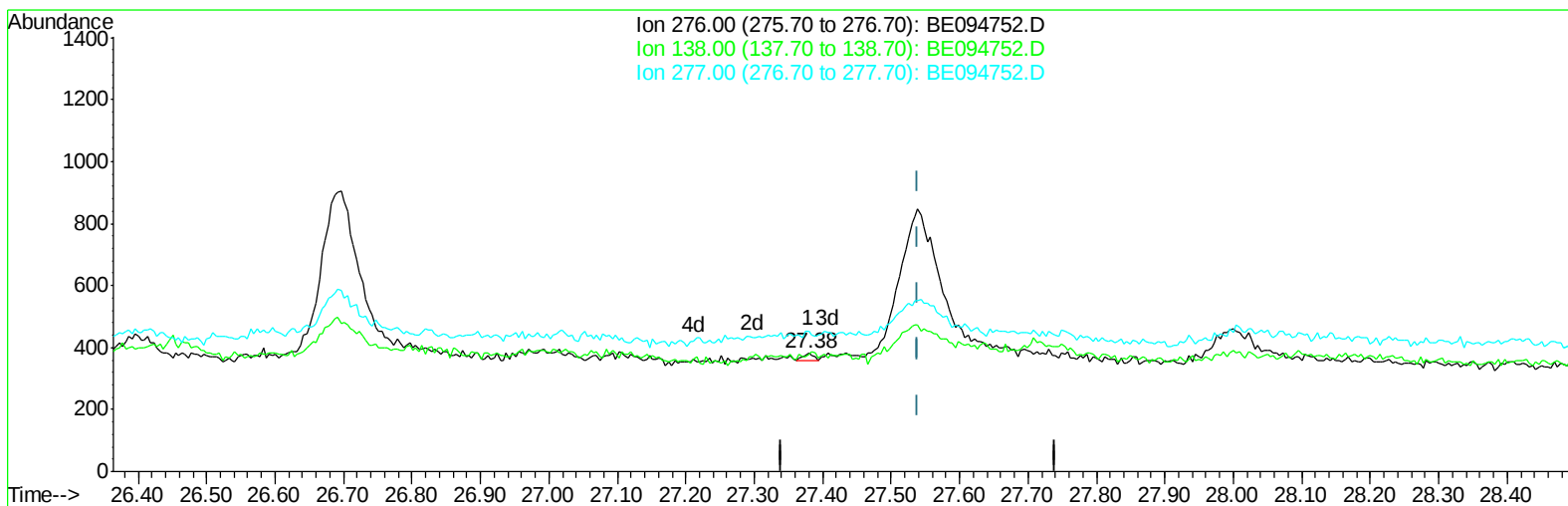
Data Path : Z:\HPCHEM1\BNA E\DATA\BE110617\  
Data File : BE094752.D  
Acq On : 6 Nov 2017 14:31  
Operator : SJ/JU  
Sample : I6150-06  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
B-3(2-3)-102517

Manual Integrations  
APPROVED

Sohil  
11/7/2017 5:41:32 PM

Quant Time: Nov 07 00:38:58 2017  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Nov 07 00:12:32 2017  
Response via : Initial Calibration



TIC: BE094752.D

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

27.380min (-0.160) 0.00ng/ul

response 24

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 276.00 | 100   | 100     |
| 138.00 | 27.30 | 99.48#  |
| 277.00 | 25.60 | 118.37# |
| 0.00   | 0.00  | 0.00    |

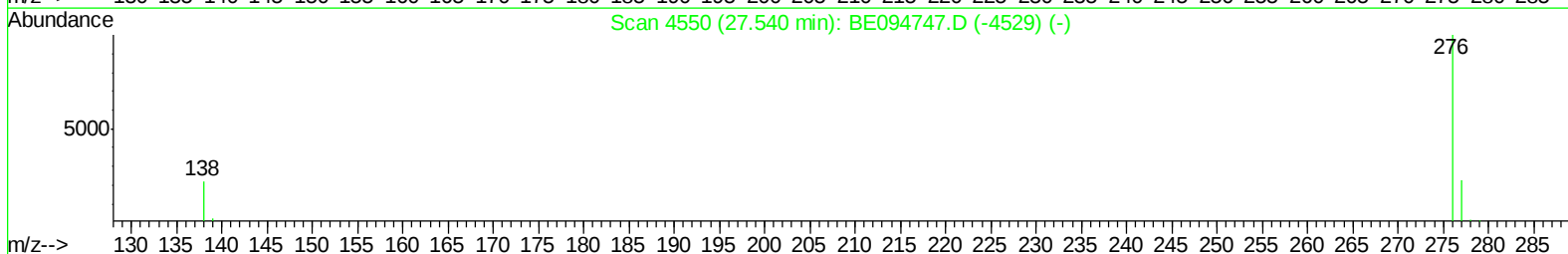
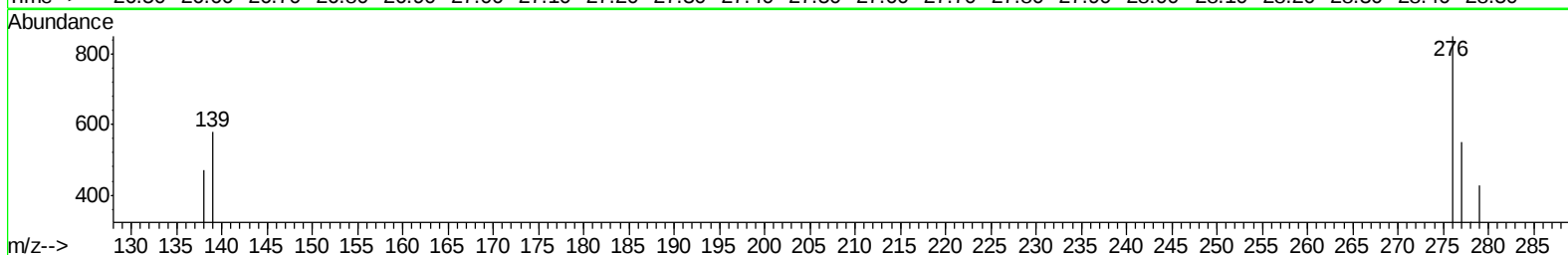
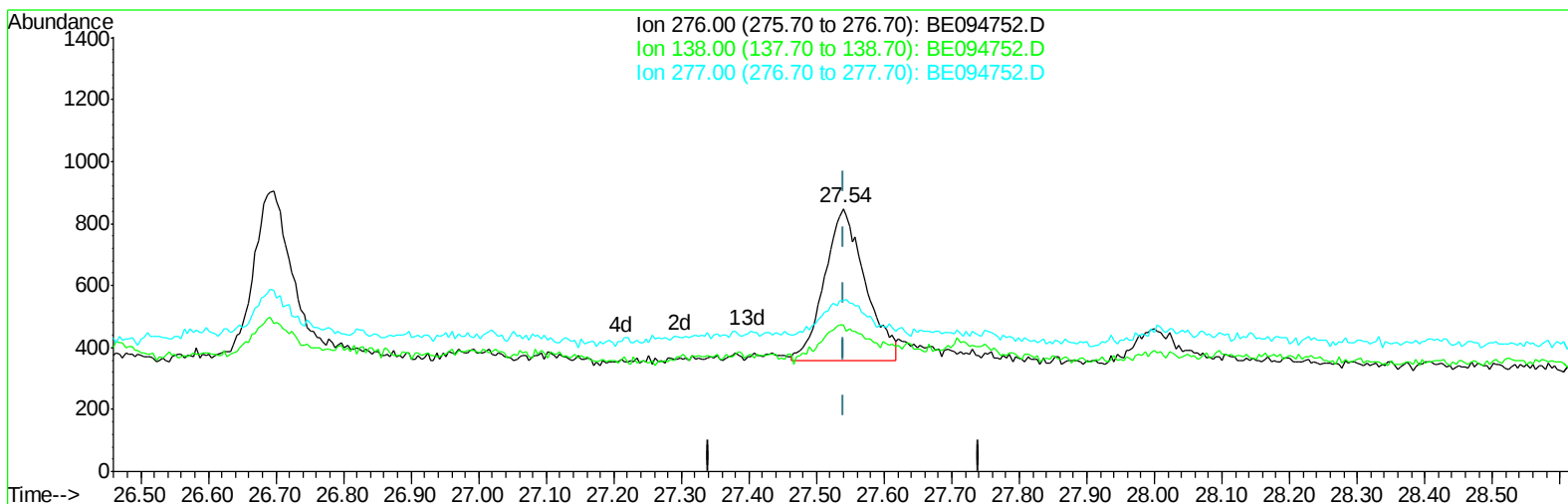
Data Path : Z:\HPCHEM1\BNA E\DATA\BE110617\  
Data File : BE094752.D  
Acq On : 6 Nov 2017 14:31  
Operator : SJ/JU  
Sample : I6150-06  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
B-3(2-3)-102517

Manual Integrations  
APPROVED

Sohil  
11/7/2017 5:41:32 PM

Quant Time: Nov 07 00:38:58 2017  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Nov 07 00:12:32 2017  
Response via : Initial Calibration



TIC: BE094752.D

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

27.539min (-0.001) 0.11ng/ul m

response 2035

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 276.00 | 100   | 100    |
| 138.00 | 27.30 | 55.59# |
| 277.00 | 25.60 | 64.78# |
| 0.00   | 0.00  | 0.00   |

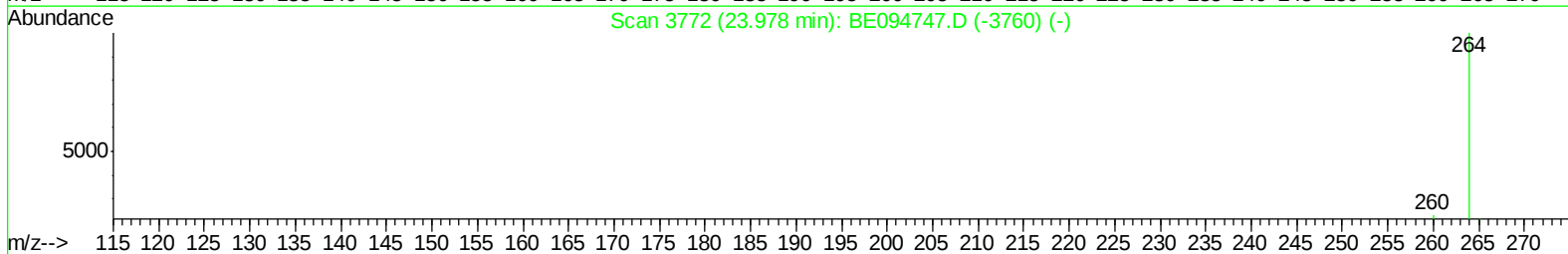
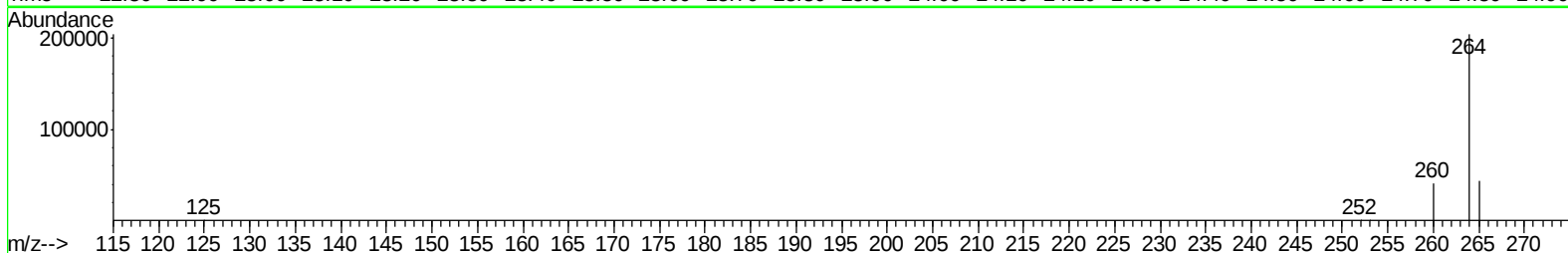
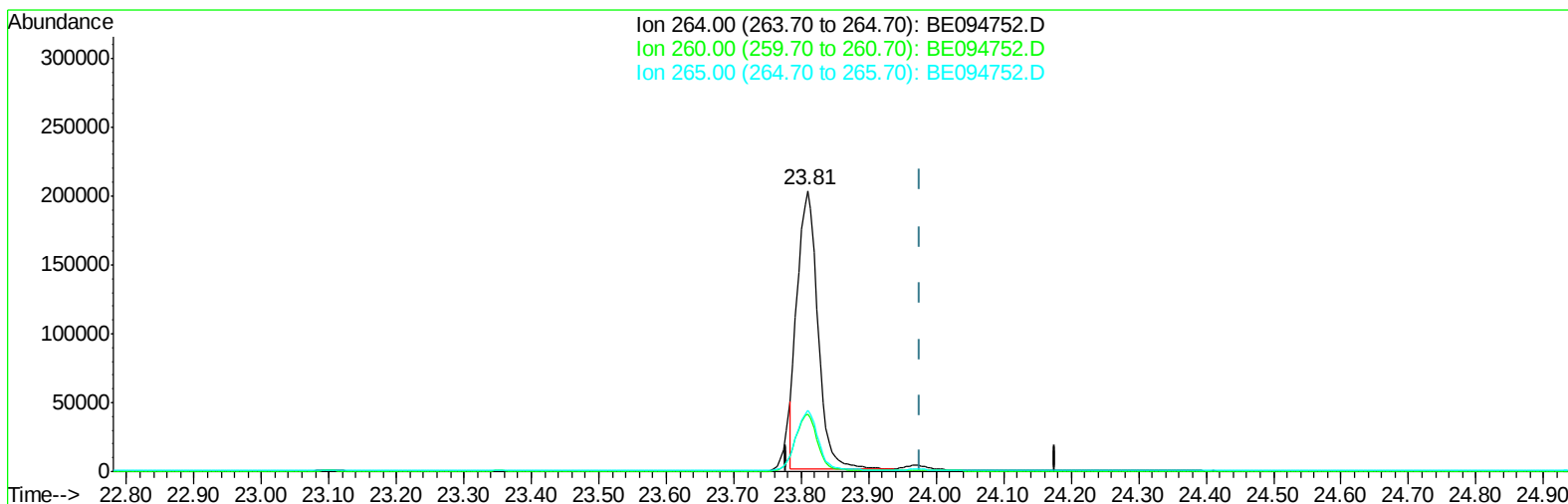
Data Path : Z:\HPCHEM1\BNA E\DATA\BE110617\  
Data File : BE094752.D  
Acq On : 6 Nov 2017 14:31  
Operator : SJ/JU  
Sample : I6150-06  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
B-3(2-3)-102517

Manual Integrations  
APPROVED

Sohil  
11/7/2017 5:41:32 PM

Quant Time: Nov 07 00:13:25 2017  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Nov 07 00:12:32 2017  
Response via : Initial Calibration



TIC: BE094752.D

(20) Perylene-d12 (I)

23.810min (-0.168) 0.40ng/ul

response 431497

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100    | 100    |
| 260.00 | 30.10  | 20.32# |
| 265.00 | 103.50 | 21.66# |
| 0.00   | 0.00   | 0.00   |

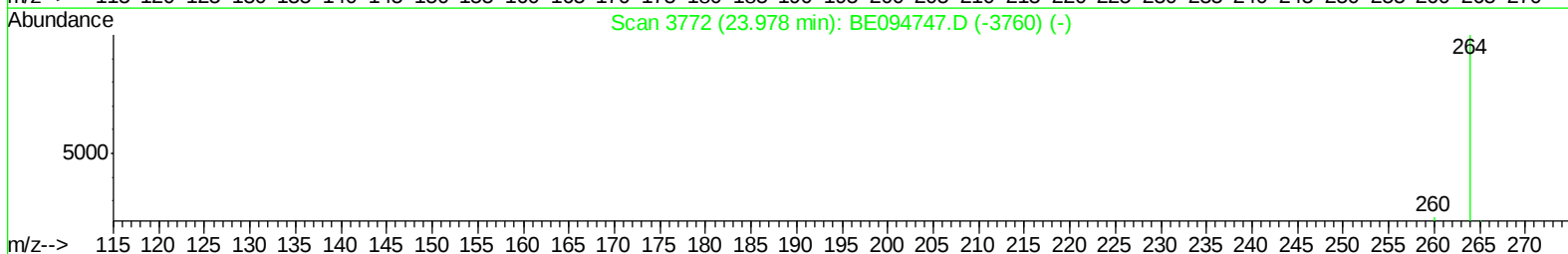
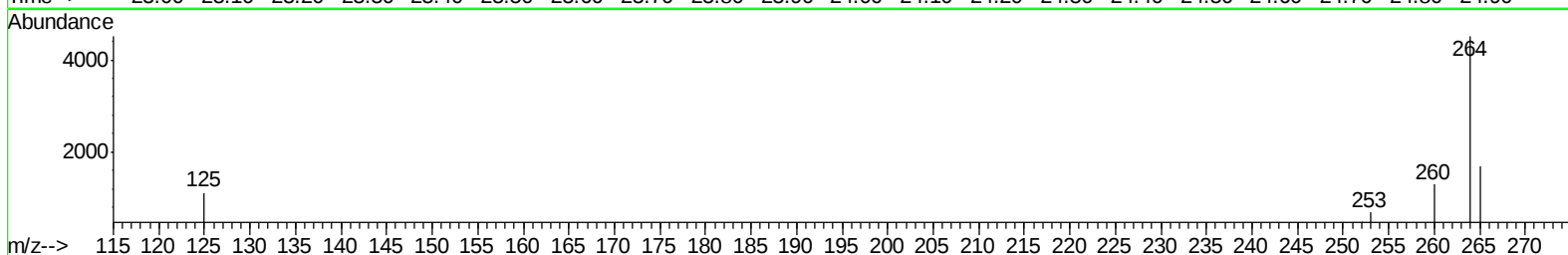
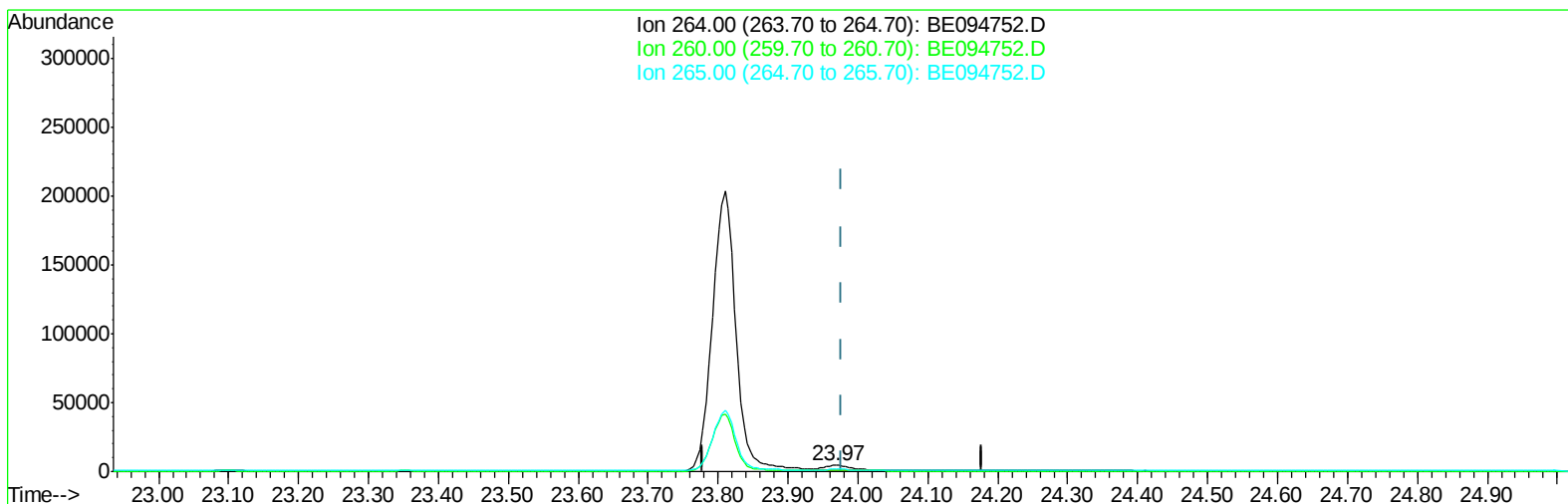
Data Path : Z:\HPCHEM1\BNA E\DATA\BE110617\  
Data File : BE094752.D  
Acq On : 6 Nov 2017 14:31  
Operator : SJ/JU  
Sample : I6150-06  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
B-3(2-3)-102517

Manual Integrations  
APPROVED

Sohil  
11/7/2017 5:41:32 PM

Quant Time: Nov 07 00:13:25 2017  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Nov 07 00:12:32 2017  
Response via : Initial Calibration



TIC: BE094752.D

(20) Perylene-d12 (I)

23.969min (-0.009) 0.40ng/ul m

response 8120

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100    | 100    |
| 260.00 | 30.10  | 28.59  |
| 265.00 | 103.50 | 37.59# |
| 0.00   | 0.00   | 0.00   |

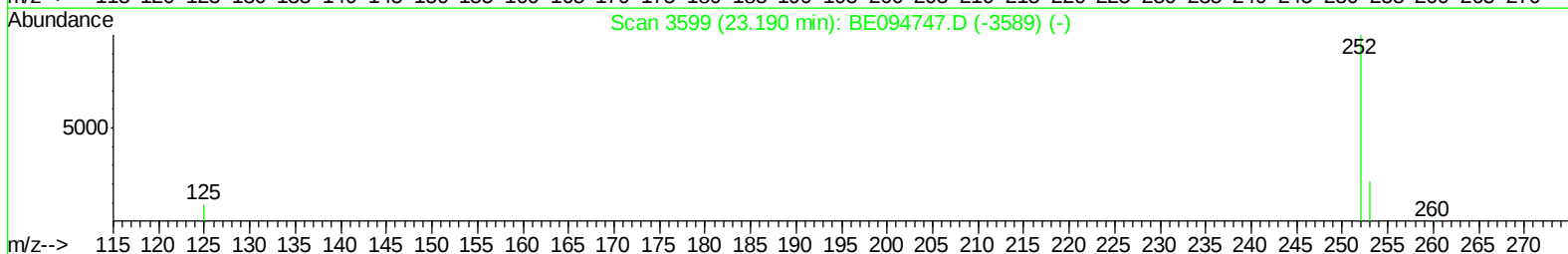
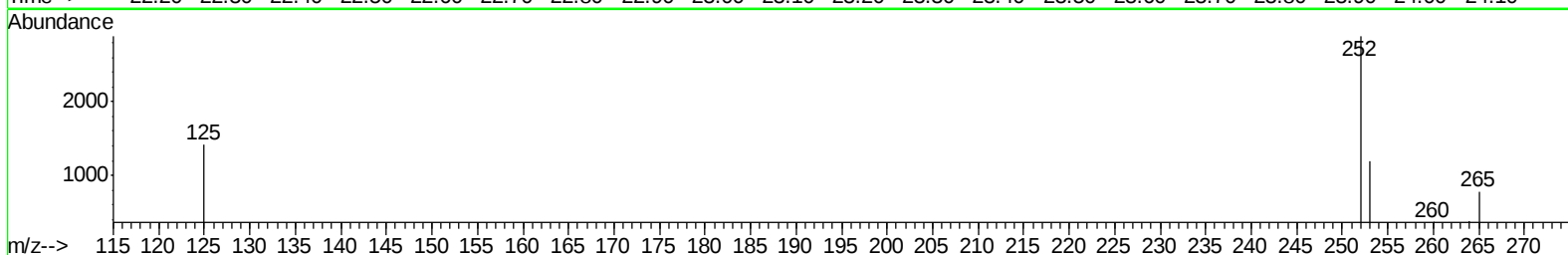
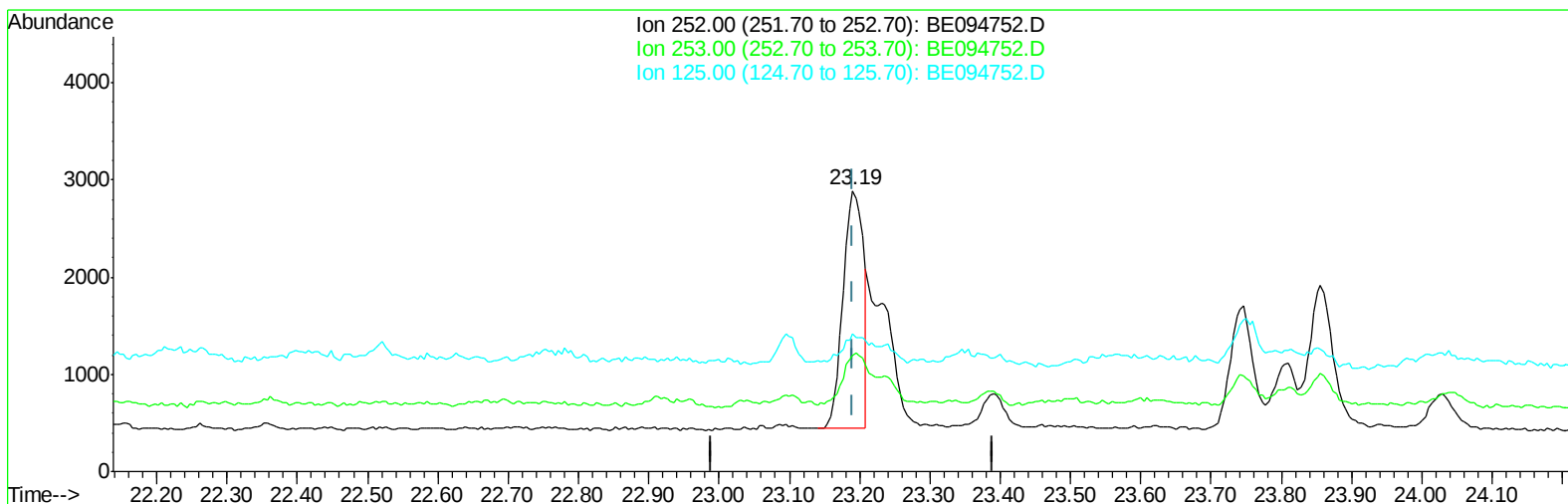
Data Path : Z:\HPCHEM1\BNA E\DATA\BE110617\  
Data File : BE094752.D  
Acq On : 6 Nov 2017 14:31  
Operator : SJ/JU  
Sample : I6150-06  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
B-3(2-3)-102517

Manual Integrations  
APPROVED

Sohil  
11/7/2017 5:41:32 PM

Quant Time: Nov 07 00:38:58 2017  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Nov 07 00:12:32 2017  
Response via : Initial Calibration



TIC: BE094752.D

(21) Benzo(b)fluoranthene

23.190min (+0.000) 0.22ng/ul

response 4965

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 32.10 | 41.51  |
| 125.00 | 17.50 | 48.93# |
| 0.00   | 0.00  | 0.00   |

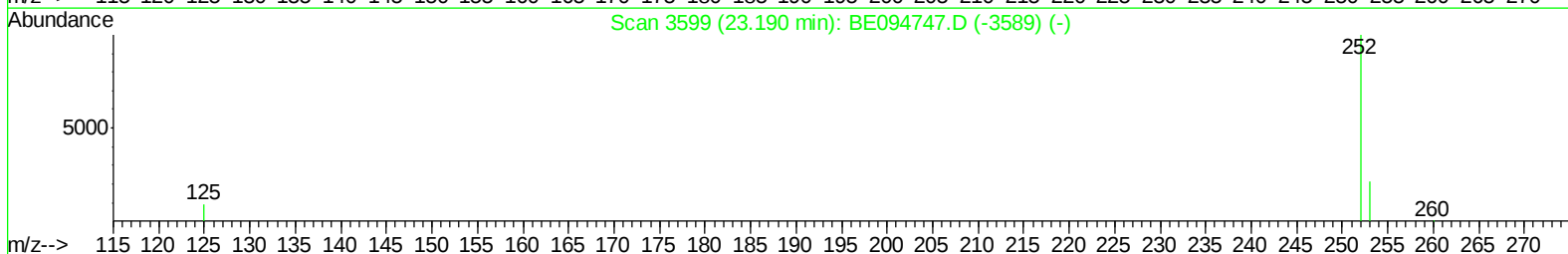
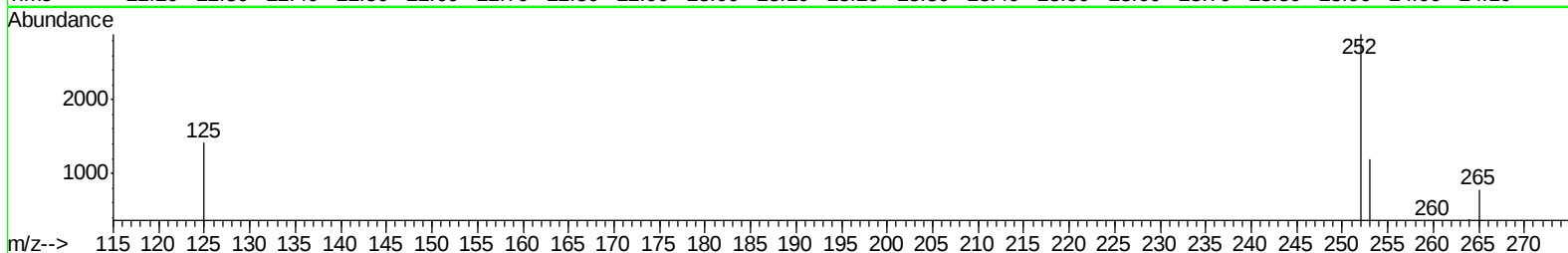
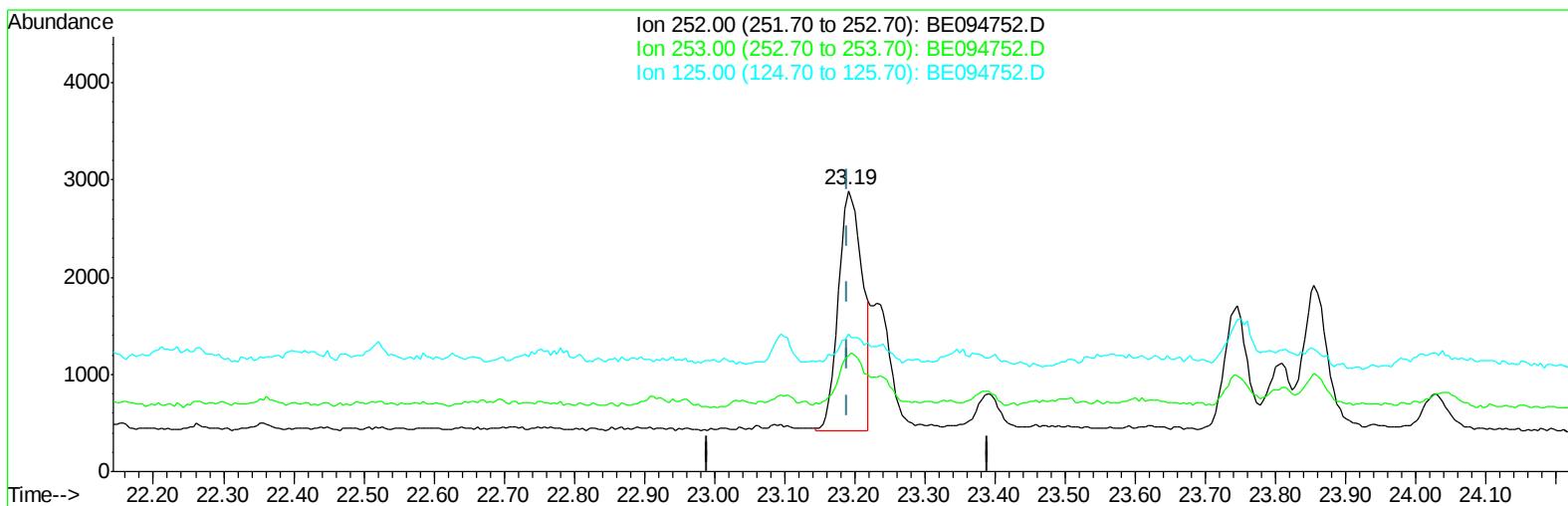
Data Path : Z:\HPCHEM1\BNA E\DATA\BE110617\  
Data File : BE094752.D  
Acq On : 6 Nov 2017 14:31  
Operator : SJ/JU  
Sample : I6150-06  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
B-3(2-3)-102517

Manual Integrations  
APPROVED

Sohil  
11/7/2017 5:41:32 PM

Quant Time: Nov 07 00:38:58 2017  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Nov 07 00:12:32 2017  
Response via : Initial Calibration



TIC: BE094752.D

(21) Benzo(b)fluoranthene

23.190min (+0.000) 0.25ng/ul m

response 5804

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 32.10 | 41.51  |
| 125.00 | 17.50 | 48.93# |
| 0.00   | 0.00  | 0.00   |

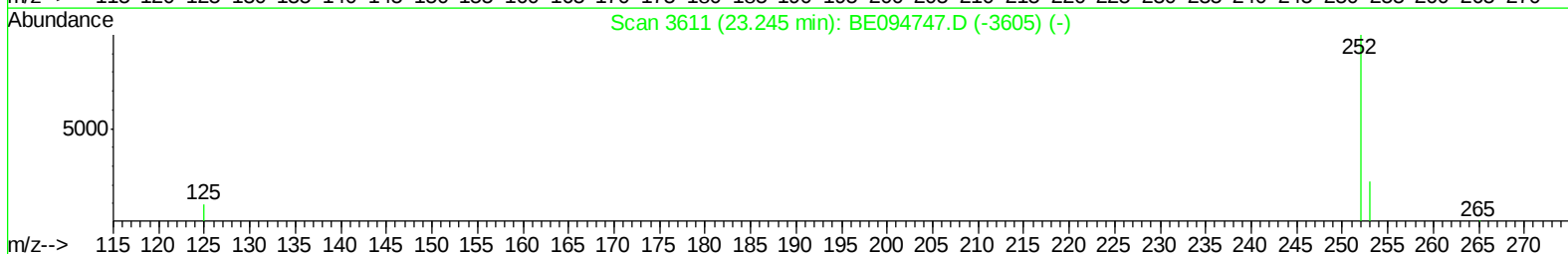
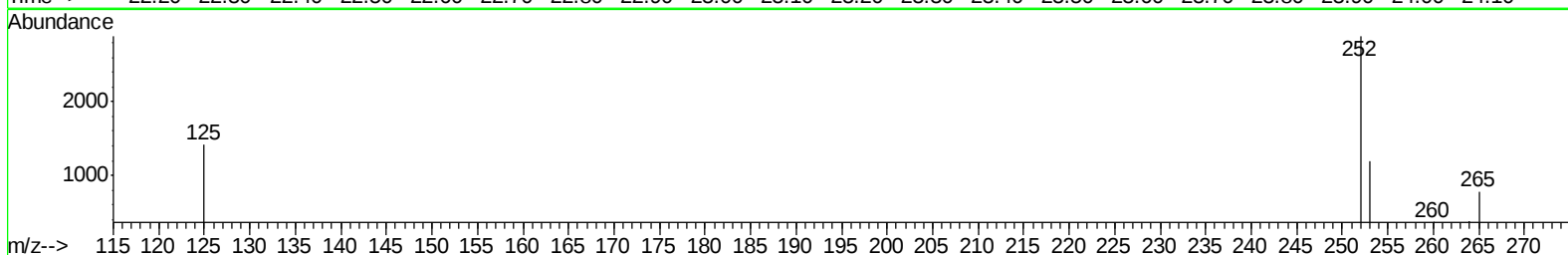
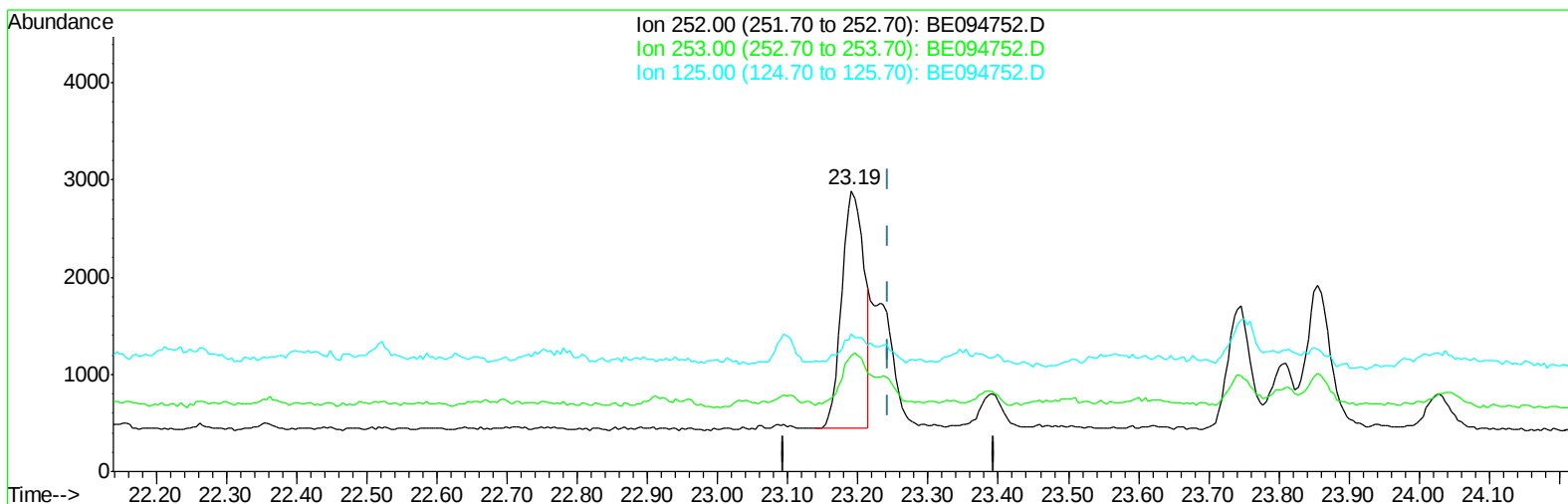
Data Path : Z:\HPCHEM1\BNA E\DATA\BE110617\  
Data File : BE094752.D  
Acq On : 6 Nov 2017 14:31  
Operator : SJ/JU  
Sample : I6150-06  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
B-3(2-3)-102517

Manual Integrations  
APPROVED

Sohil  
11/7/2017 5:41:32 PM

Quant Time: Nov 07 00:38:58 2017  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Nov 07 00:12:32 2017  
Response via : Initial Calibration



TIC: BE094752.D

(22) Benzo(k)fluoranthene  
23.190min (-0.054) 0.22ng/ul  
response 5357

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 30.60 | 41.51# |
| 125.00 | 17.10 | 48.93# |
| 0.00   | 0.00  | 0.00   |

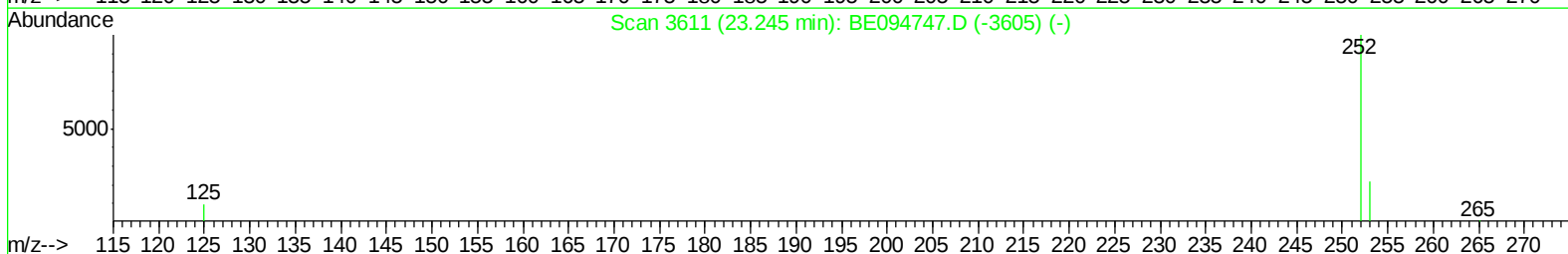
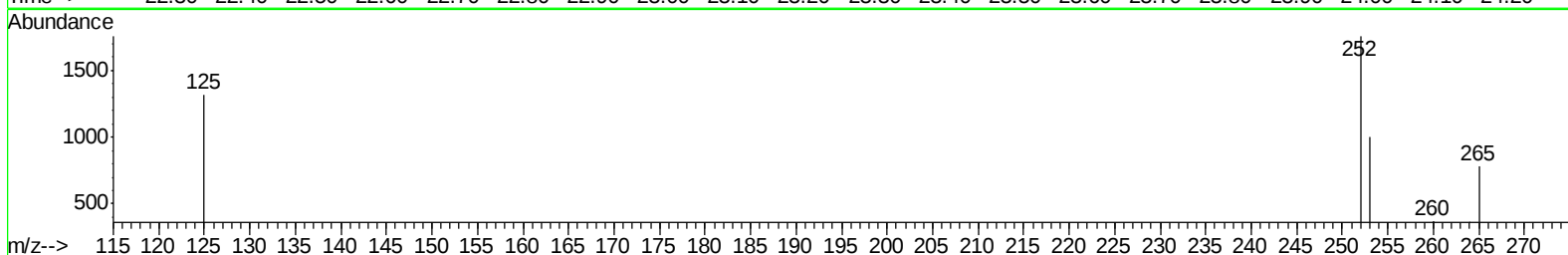
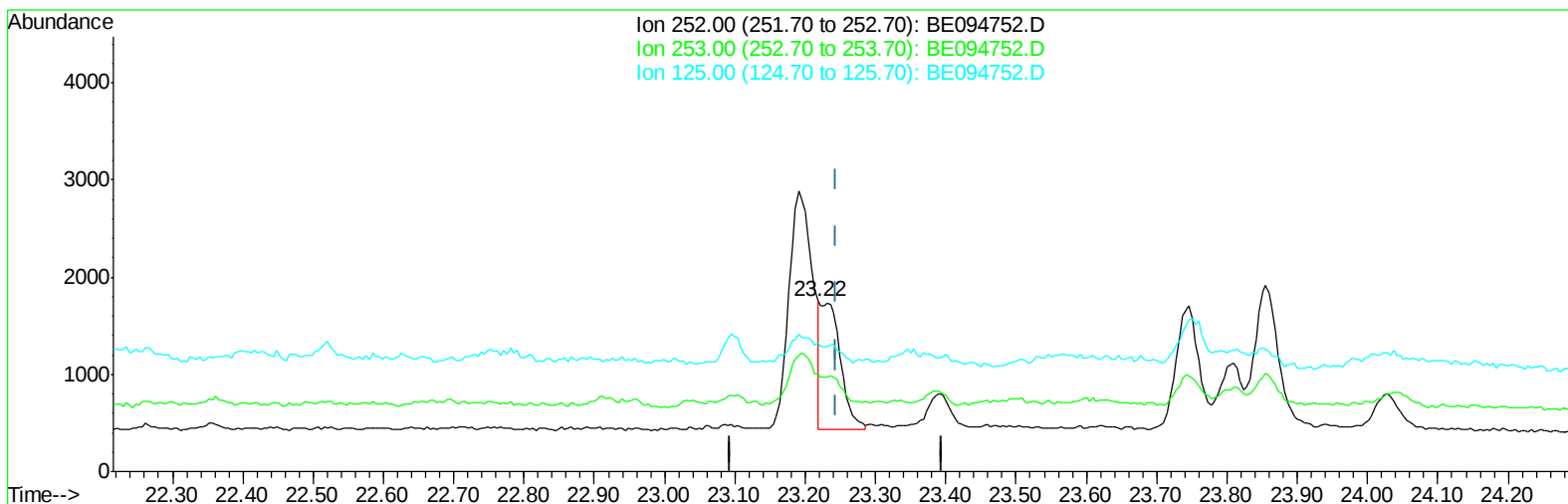
Data Path : Z:\HPCHEM1\BNA E\DATA\BE110617\  
Data File : BE094752.D  
Acq On : 6 Nov 2017 14:31  
Operator : SJ/JU  
Sample : I6150-06  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
B-3(2-3)-102517

Manual Integrations  
APPROVED

Sohil  
11/7/2017 5:41:32 PM

Quant Time: Nov 07 00:38:58 2017  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Nov 07 00:12:32 2017  
Response via : Initial Calibration



TIC: BE094752.D

(22) Benzo(k)fluoranthene

23.218min (-0.027) 0.11ng/ul m

response 2649

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 30.60 | 56.98# |
| 125.00 | 17.10 | 75.16# |
| 0.00   | 0.00  | 0.00   |

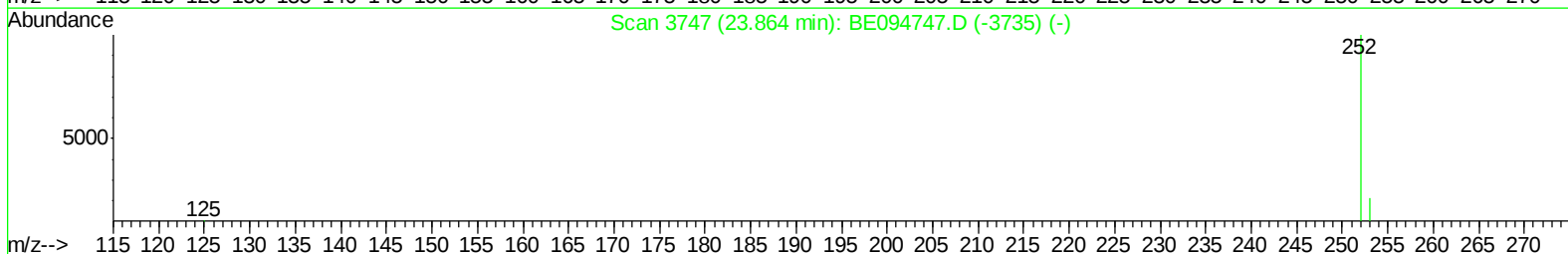
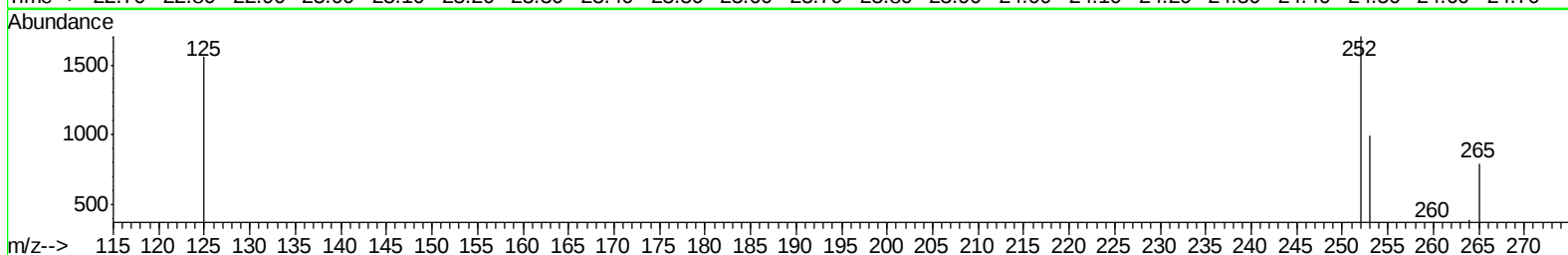
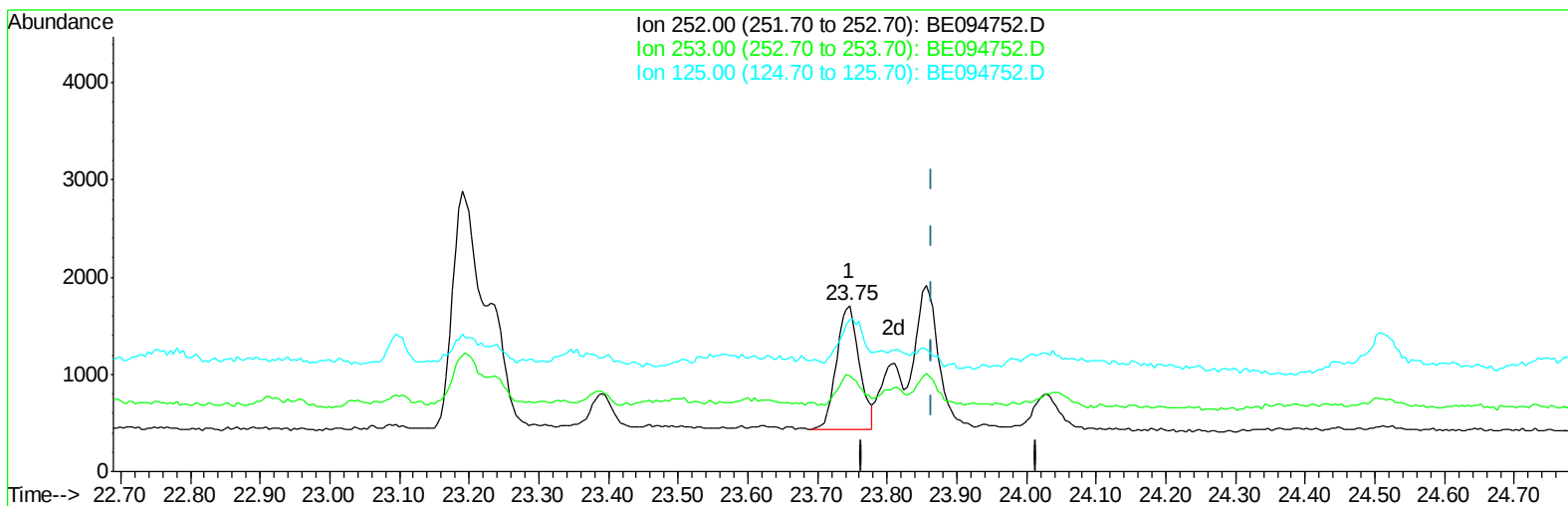
Data Path : Z:\HPCHEM1\BNA E\DATA\BE110617\  
Data File : BE094752.D  
Acq On : 6 Nov 2017 14:31  
Operator : SJ/JU  
Sample : I6150-06  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
B-3(2-3)-102517

Manual Integrations  
APPROVED

Sohil  
11/7/2017 5:41:32 PM

Quant Time: Nov 07 00:38:58 2017  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Nov 07 00:12:32 2017  
Response via : Initial Calibration



TIC: BE094752.D

(23) Benzo(a)pyrene (C)

23.746min (-0.118) 0.13ng/ul

response 2912

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 35.60 | 58.03# |
| 125.00 | 22.60 | 91.44# |
| 0.00   | 0.00  | 0.00   |

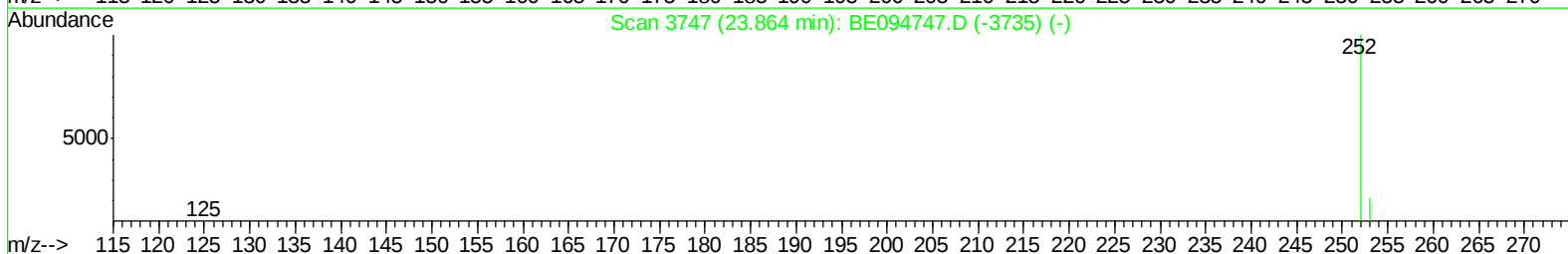
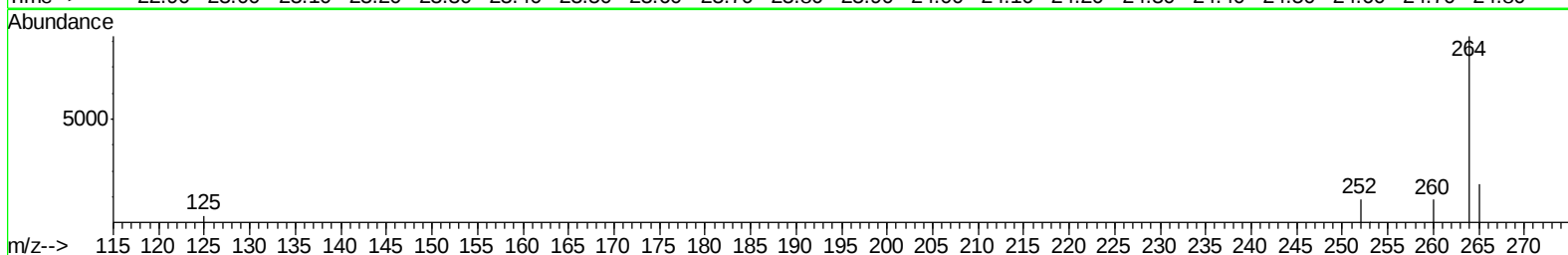
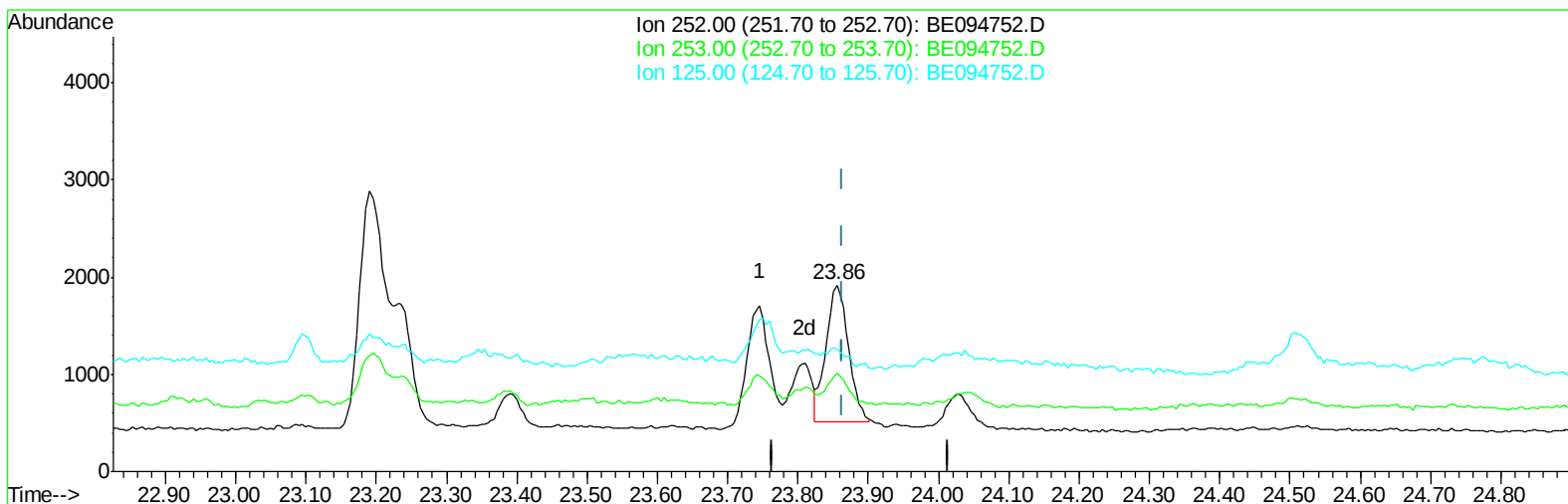
Data Path : Z:\HPCHEM1\BNA E\DATA\BE110617\  
Data File : BE094752.D  
Acq On : 6 Nov 2017 14:31  
Operator : SJ/JU  
Sample : I6150-06  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
B-3(2-3)-102517

Manual Integrations  
APPROVED

Sohil  
11/7/2017 5:41:32 PM

Quant Time: Nov 07 00:38:58 2017  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Nov 07 00:12:32 2017  
Response via : Initial Calibration



TIC: BE094752.D

(23) Benzo(a)pyrene (C)

23.855min (-0.009) 0.14ng/ul m

response 3131

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 35.60 | 52.79# |
| 125.00 | 22.60 | 65.61# |
| 0.00   | 0.00  | 0.00   |

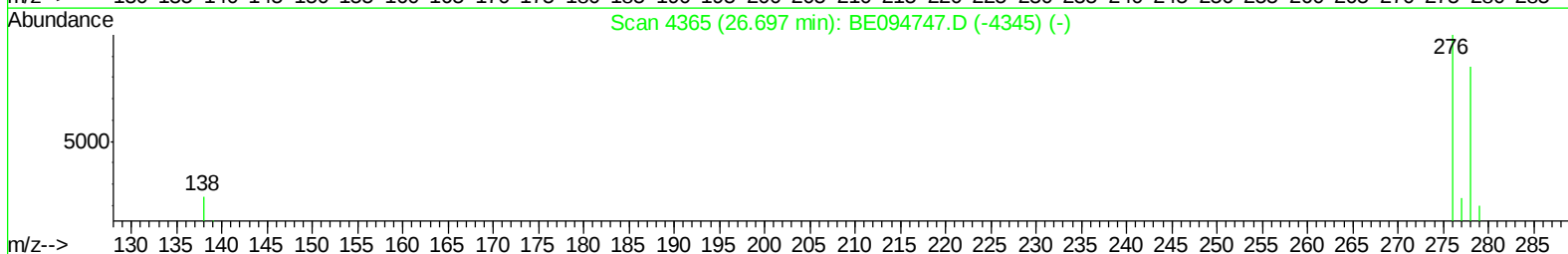
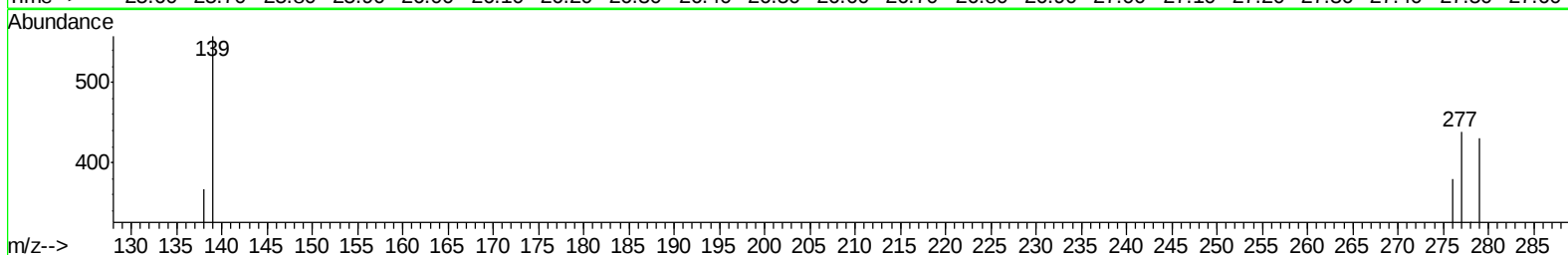
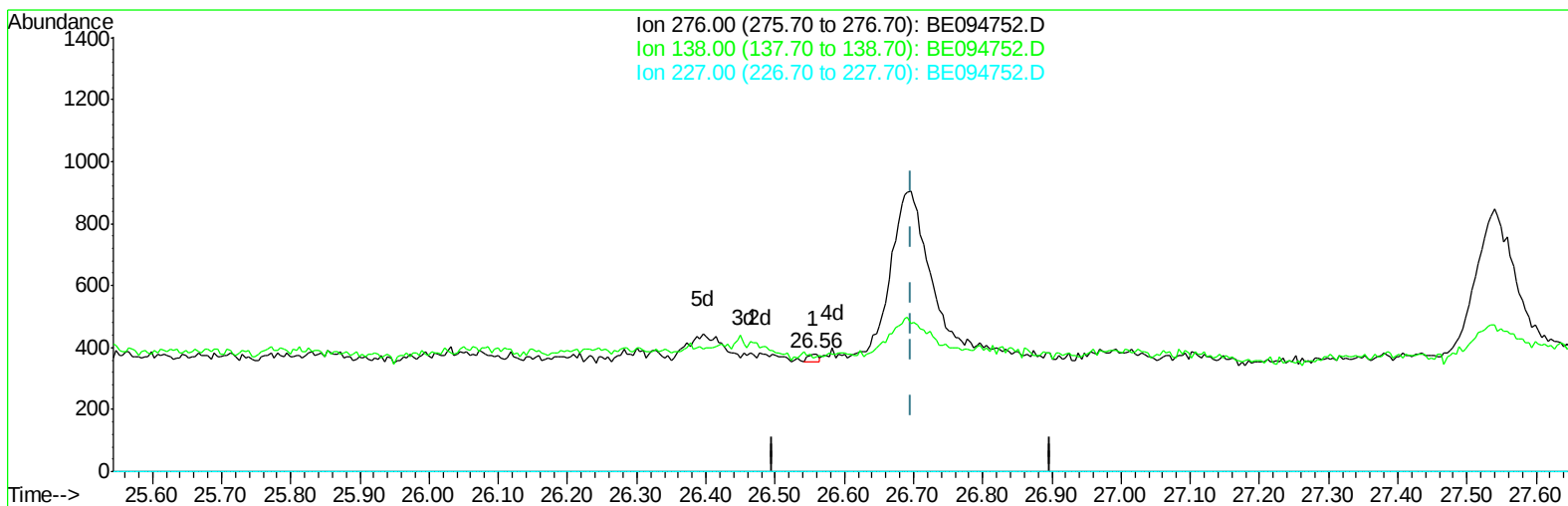
Data Path : Z:\HPCHEM1\BNA E\DATA\BE110617\  
Data File : BE094752.D  
Acq On : 6 Nov 2017 14:31  
Operator : SJ/JU  
Sample : I6150-06  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
B-3(2-3)-102517

Manual Integrations  
APPROVED

Sohil  
11/7/2017 5:41:32 PM

Quant Time: Nov 07 00:38:58 2017  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Nov 07 00:12:32 2017  
Response via : Initial Calibration



TIC: BE094752.D

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

26.555min (-0.142) 0.00ng/ul

response 25

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 276.00 | 100   | 100    |
| 138.00 | 35.00 | 68.00# |
| 227.00 | 10.00 | 0.00#  |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110617\  
 Data File : BE094752.D  
 Acq On : 6 Nov 2017 14:31  
 Operator : SJ/JU  
 Sample : I6150-06  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 B-3(2-3)-102517

Manual Integrations  
 APPROVED

Sohil  
 11/7/2017 5:41:32 PM

Quant Time: Nov 07 00:41:06 2017  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 07 00:12:32 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.90  | 152  | 1076     | 0.40 | ng/ul | -0.01    |
| 2) Naphthalene-d8         | 10.69 | 136  | 6771     | 0.40 | ng/ul | -0.01    |
| 6) Acenaphthene-d10       | 14.51 | 164  | 4227     | 0.40 | ng/ul | 0.00     |
| 10) Phenanthrene-d10      | 17.26 | 188  | 8049     | 0.40 | ng/ul | -0.02    |
| 16) Chrysene-d12          | 21.43 | 240  | 7980     | 0.40 | ng/ul | 0.00     |
| 20) Perylene-d12          | 23.97 | 264  | 8120m    | 0.40 | ng/ul | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Methylnaphthalene-d10  | 12.27 | 152  | 2713     | 0.25 | ng/ul | -0.02    |
| 14) Fluoranthene-d10        | 19.28 | 212  | 6241     | 0.26 | ng/ul | 0.00     |

| Target Compounds           | R.T.  | QIon | Response | Conc  | Units  | Ovalue |
|----------------------------|-------|------|----------|-------|--------|--------|
| 3) Naphthalene             | 10.73 | 128  | 254200   | 15.35 | ng/ul# | 93     |
| 5) 2-Methylnaphthalene     | 12.34 | 142  | 32078    | 2.77  | ng/ul  | 99     |
| 7) Acenaphthylene          | 14.24 | 152  | 942      | 0.05  | ng/ul# | 53     |
| 8) Acenaphthene            | 14.57 | 153  | 7129     | 0.52  | ng/ul  | 97     |
| 9) Fluorene                | 15.57 | 166  | 11116    | 0.72  | ng/ul  | 96     |
| 12) Phenanthrene           | 17.29 | 178  | 36282    | 1.71  | ng/ul# | 90     |
| 13) Anthracene             | 17.38 | 178  | 6670     | 0.32  | ng/ul  | 92     |
| 15) Fluoranthene           | 19.31 | 202  | 21791    | 0.89  | ng/ul  | 83     |
| 17) Pyrene                 | 19.67 | 202  | 17927    | 0.73  | ng/ul# | 83     |
| 18) Benzo(a)anthracene     | 21.41 | 228  | 5461     | 0.24  | ng/ul# | 79     |
| 19) Chrysene               | 21.47 | 228  | 6412     | 0.27  | ng/ul# | 77     |
| 21) Benzo(b)fluoranthene   | 23.19 | 252  | 5804m    | 0.25  | ng/ul  |        |
| 22) Benzo(k)fluoranthene   | 23.22 | 252  | 2649m    | 0.11  | ng/ul  |        |
| 23) Benzo(a)pyrene         | 23.86 | 252  | 3131m    | 0.14  | ng/ul  |        |
| 24) Indeno(1,2,3-cd)pyrene | 26.70 | 276  | 2171m    | 0.09  | ng/ul  |        |
| 26) Benzo(a,h,i)perylene   | 27.54 | 276  | 2035m    | 0.11  | ng/ul  |        |

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

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110617\  
Data File : BE094752.D  
Acq On : 6 Nov 2017 14:31  
Operator : SJ/JU  
Sample : I6150-06  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
B-3(2-3)-102517

Manual Integrations  
APPROVED

Sohil  
11/7/2017 5:41:32 PM

Quant Time: Nov 07 00:41:06 2017  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Nov 07 00:12:32 2017  
Response via : Initial Calibration

