

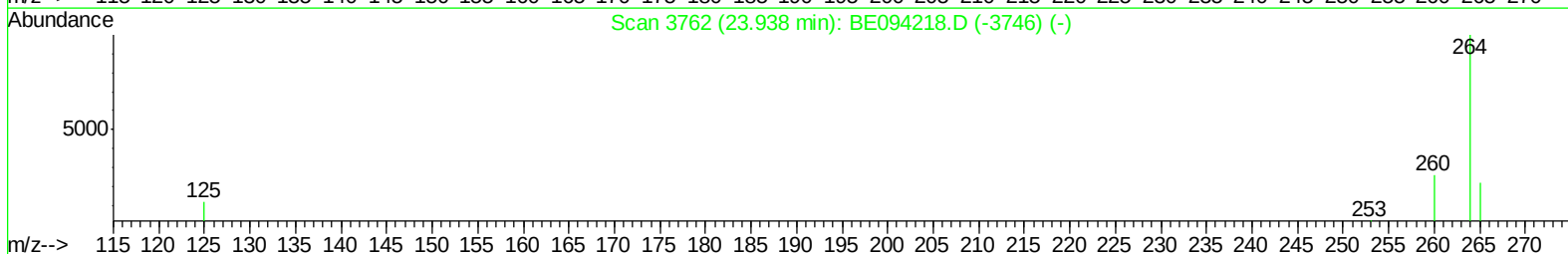
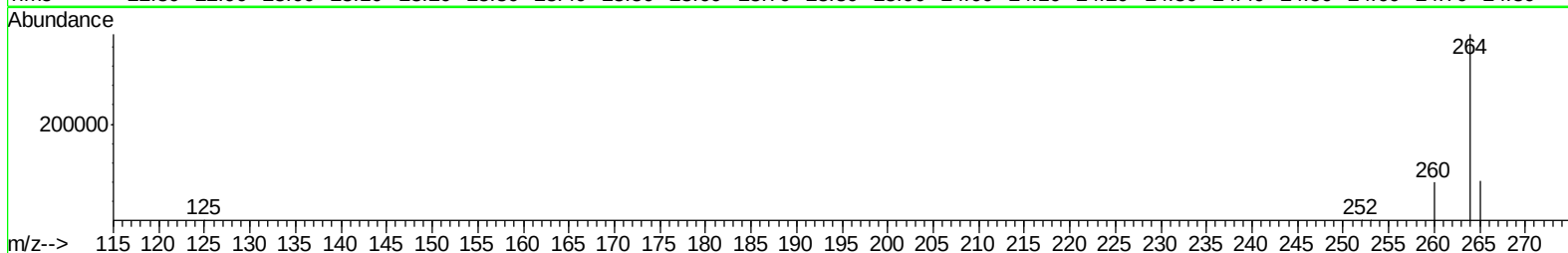
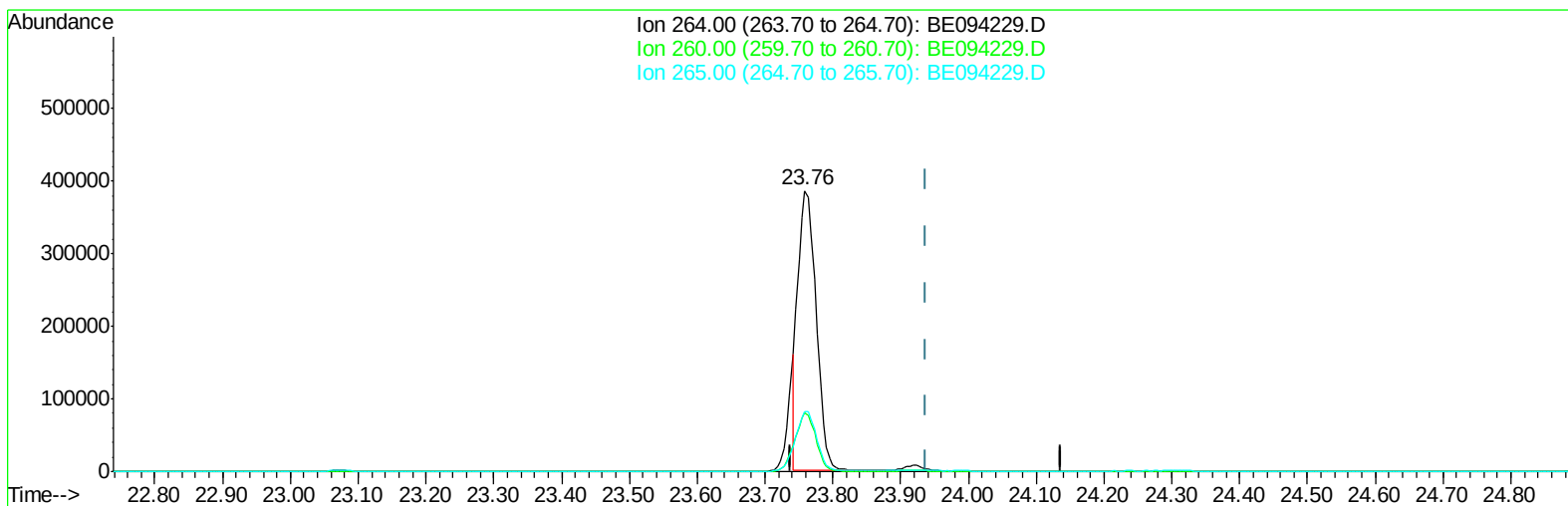
Data Path : Z:\HPCHEM1\BNA\_E\Data\BE100917\  
Data File : BE094229.D  
Acq On : 9 Oct 2017 20:12  
Operator : SJ/JU  
Sample : I5522-10  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
C0AD9

Manual Integrations  
APPROVED

Sohil  
10/11/2017 9:24:18 AM

Quant Time: Oct 10 09:21:21 2017  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE092017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Oct 10 09:18:40 2017  
Response via : Initial Calibration



TIC: BE094229.D

(20) Perylene-d12 (I)

23.759min (-0.179) 0.40ng/ul

response 724992

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100    | 100    |
| 260.00 | 30.10  | 20.72# |
| 265.00 | 103.50 | 21.49# |
| 0.00   | 0.00   | 0.00   |

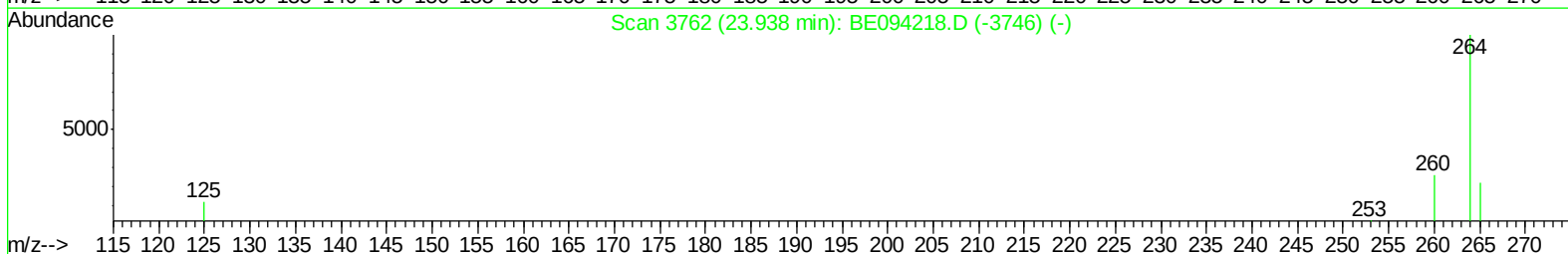
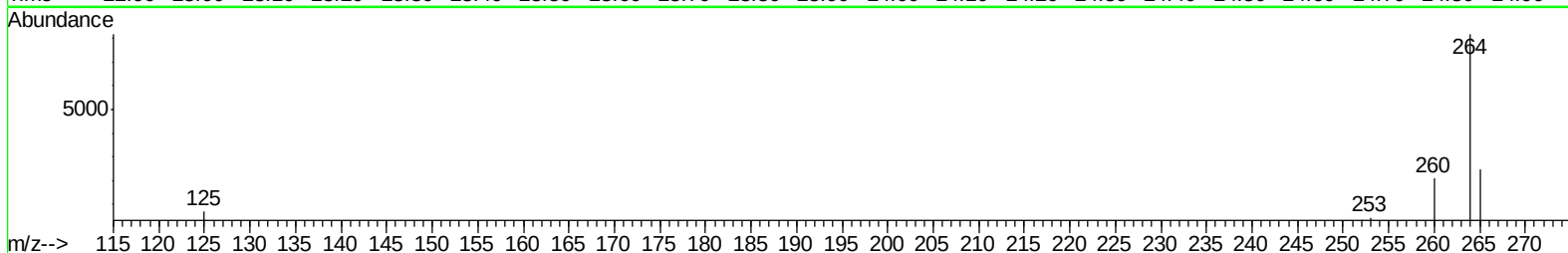
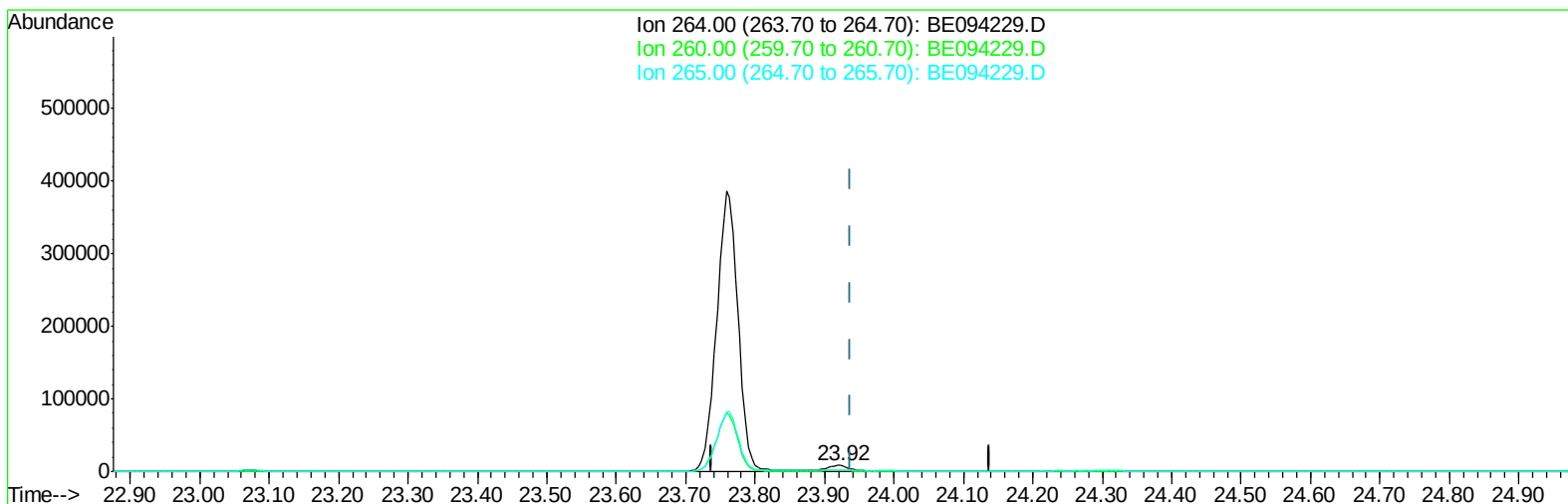
Data Path : Z:\HPCHEM1\BNA\_E\Data\BE100917\  
Data File : BE094229.D  
Acq On : 9 Oct 2017 20:12  
Operator : SJ/JU  
Sample : I5522-10  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
C0AD9

Manual Integrations  
APPROVED

Sohil  
10/11/2017 9:24:18 AM

Quant Time: Oct 10 09:21:21 2017  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE092017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Oct 10 09:18:40 2017  
Response via : Initial Calibration



TIC: BE094229.D

(20) Perylene-d12 (I)

23.923min (-0.015) 0.40ng/ul m

response 15401

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100    | 100    |
| 260.00 | 30.10  | 25.88  |
| 265.00 | 103.50 | 30.47# |
| 0.00   | 0.00   | 0.00   |

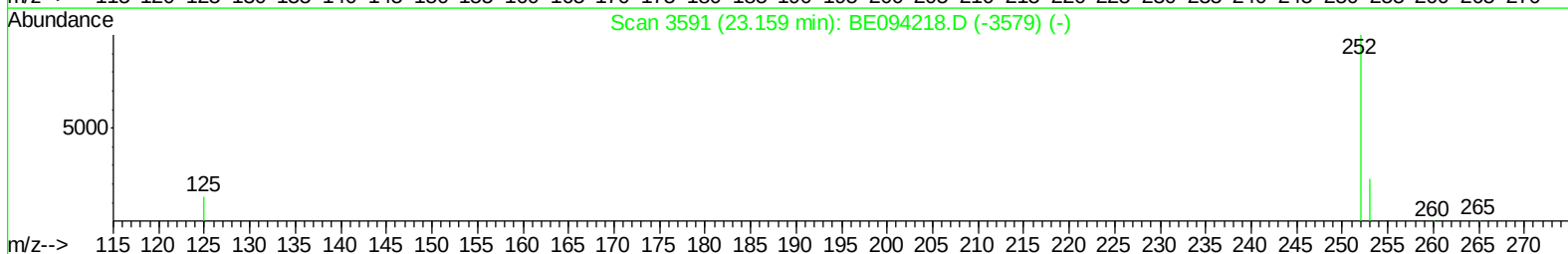
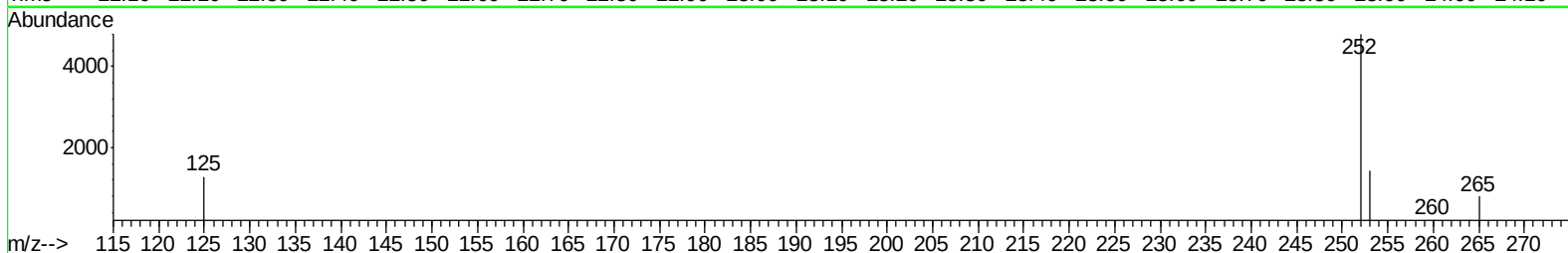
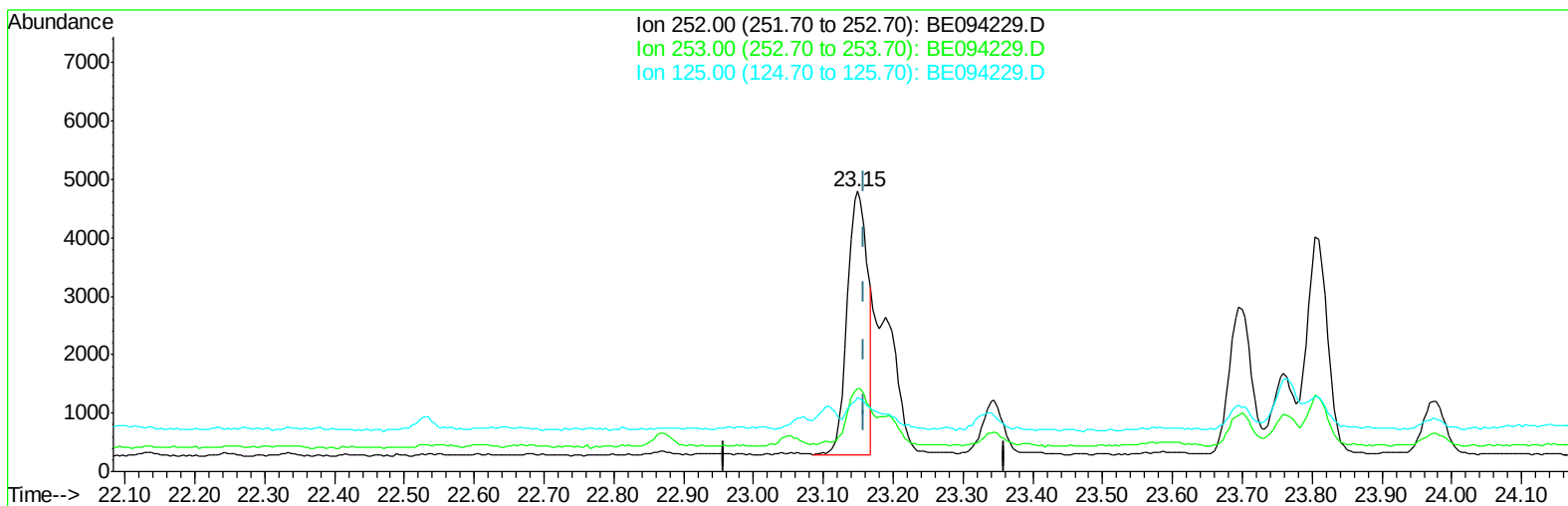
Data Path : Z:\HPCHEM1\BNA\_E\Data\BE100917\  
Data File : BE094229.D  
Acq On : 9 Oct 2017 20:12  
Operator : SJ/JU  
Sample : I5522-10  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
C0AD9

Manual Integrations  
APPROVED

Sohil  
10/11/2017 9:24:18 AM

Quant Time: Oct 10 17:17:58 2017  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE092017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Oct 10 09:18:40 2017  
Response via : Initial Calibration



TIC: BE094229.D

(21) Benzo(b)fluoranthene

23.149min (-0.010) 0.22ng/ul

response 9155

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 32.10 | 29.63 |
| 125.00 | 17.50 | 26.55 |
| 0.00   | 0.00  | 0.00  |

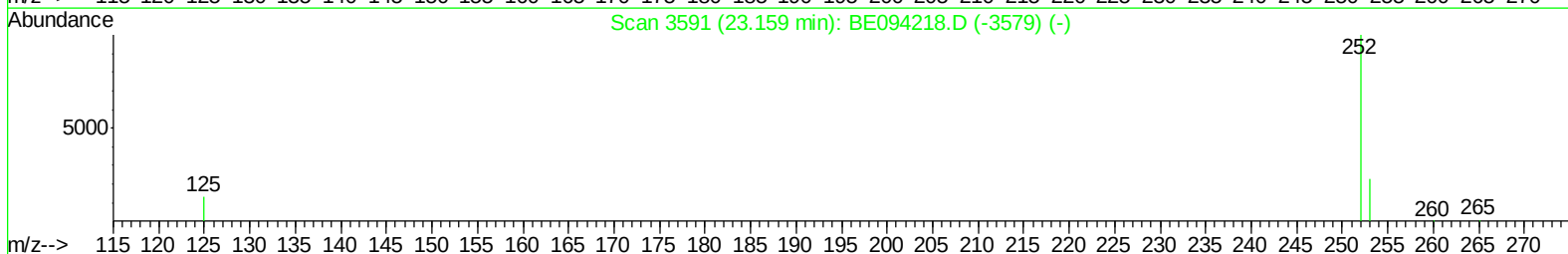
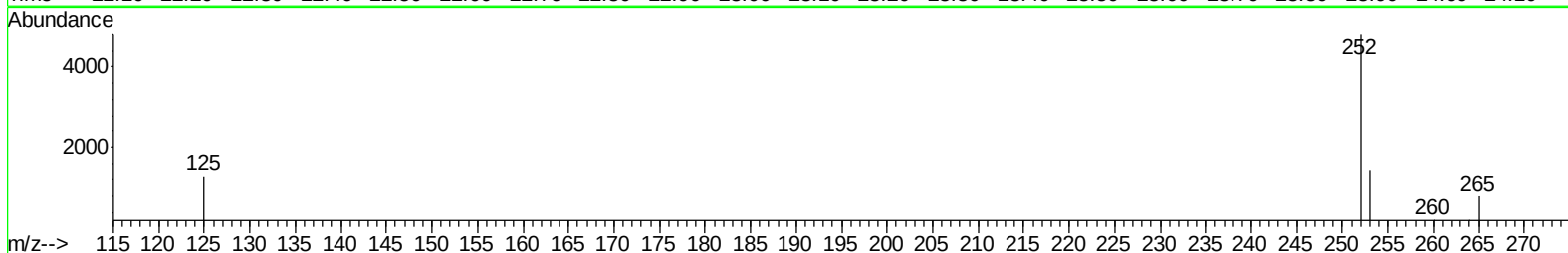
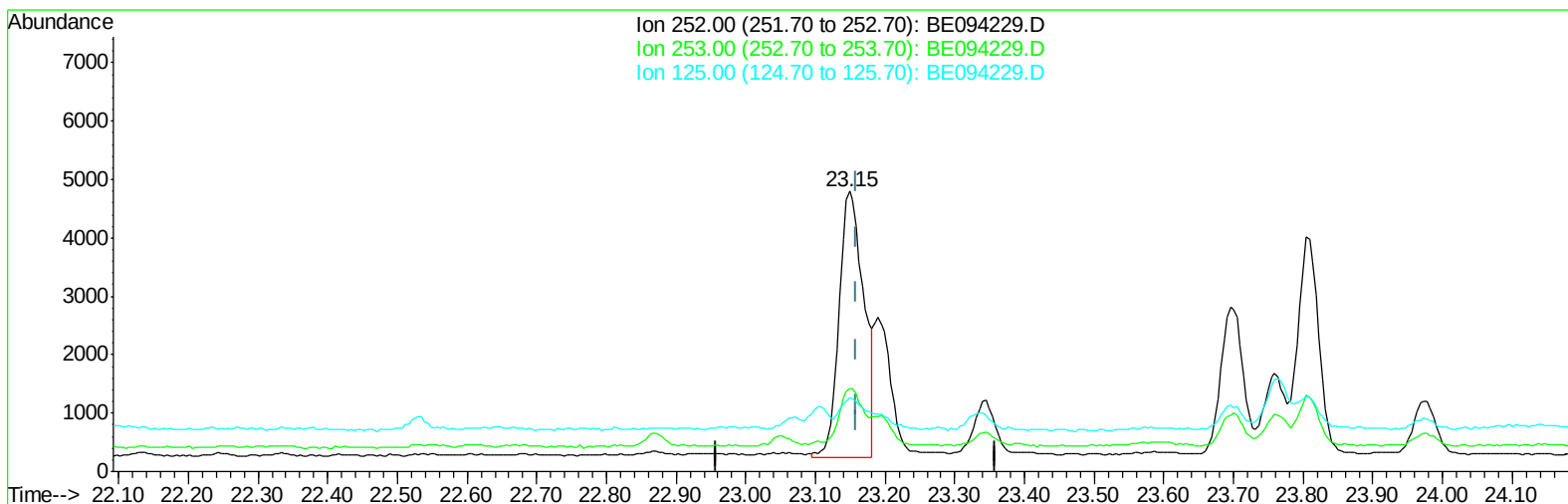
Data Path : Z:\HPCHEM1\BNA\_E\Data\BE100917\  
Data File : BE094229.D  
Acq On : 9 Oct 2017 20:12  
Operator : SJ/JU  
Sample : I5522-10  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
C0AD9

Manual Integrations  
APPROVED

Sohil  
10/11/2017 9:24:18 AM

Quant Time: Oct 10 17:17:58 2017  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE092017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Oct 10 09:18:40 2017  
Response via : Initial Calibration



TIC: BE094229.D

(21) Benzo(b)fluoranthene

23.149min (-0.010) 0.27ng/ul m

response 11327

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 32.10 | 29.63 |
| 125.00 | 17.50 | 26.55 |
| 0.00   | 0.00  | 0.00  |

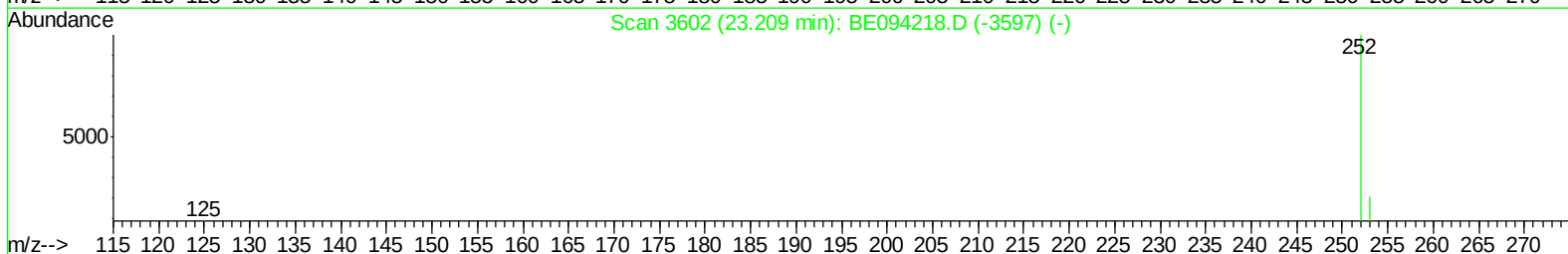
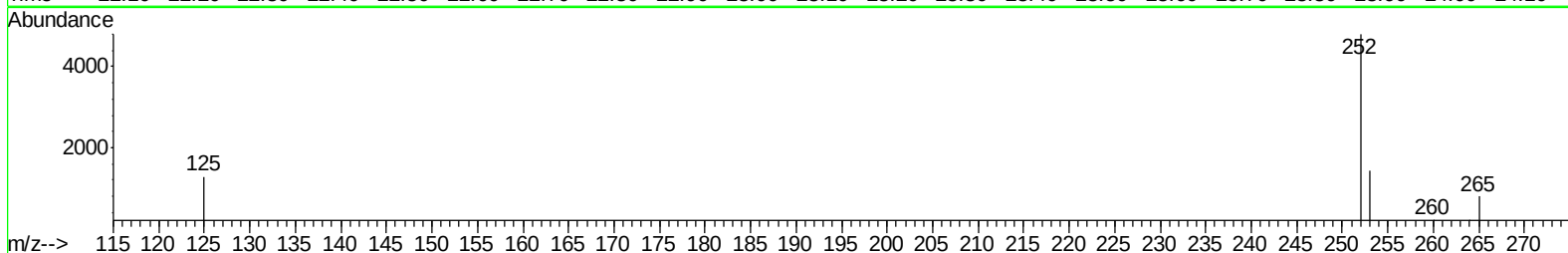
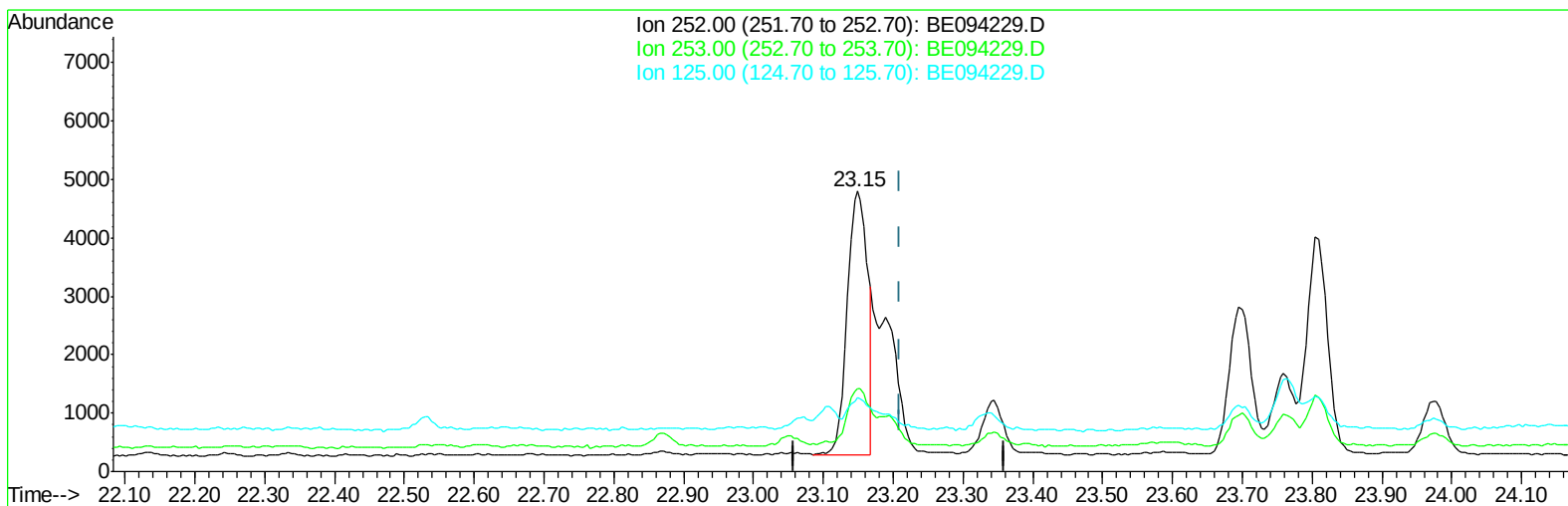
Data Path : Z:\HPCHEM1\BNA\_E\Data\BE100917\  
Data File : BE094229.D  
Acq On : 9 Oct 2017 20:12  
Operator : SJ/JU  
Sample : I5522-10  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
C0AD9

Manual Integrations  
APPROVED

Sohil  
10/11/2017 9:24:18 AM

Quant Time: Oct 10 17:17:58 2017  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE092017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Oct 10 09:18:40 2017  
Response via : Initial Calibration



TIC: BE094229.D

(22) Benzo(k)fluoranthene  
23.149min (-0.060) 0.19ng/ul  
response 9155

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 30.60 | 29.63  |
| 125.00 | 17.10 | 26.55# |
| 0.00   | 0.00  | 0.00   |

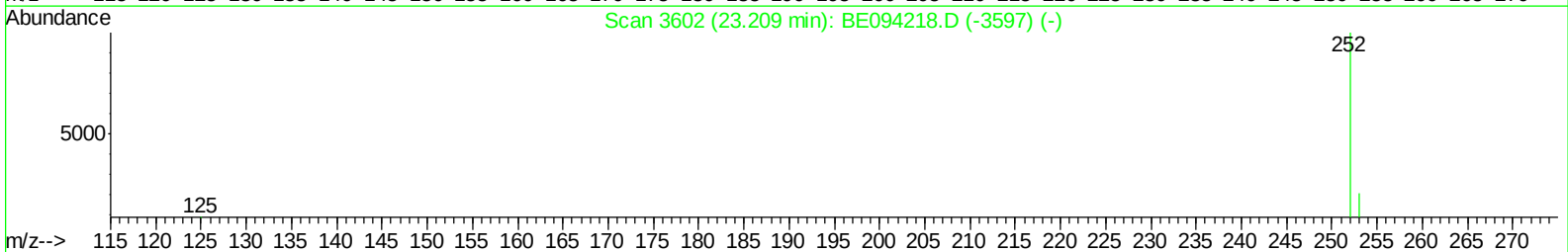
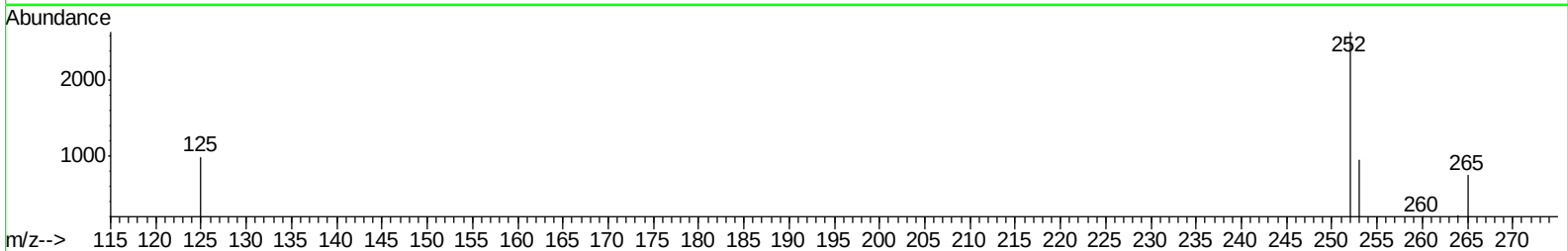
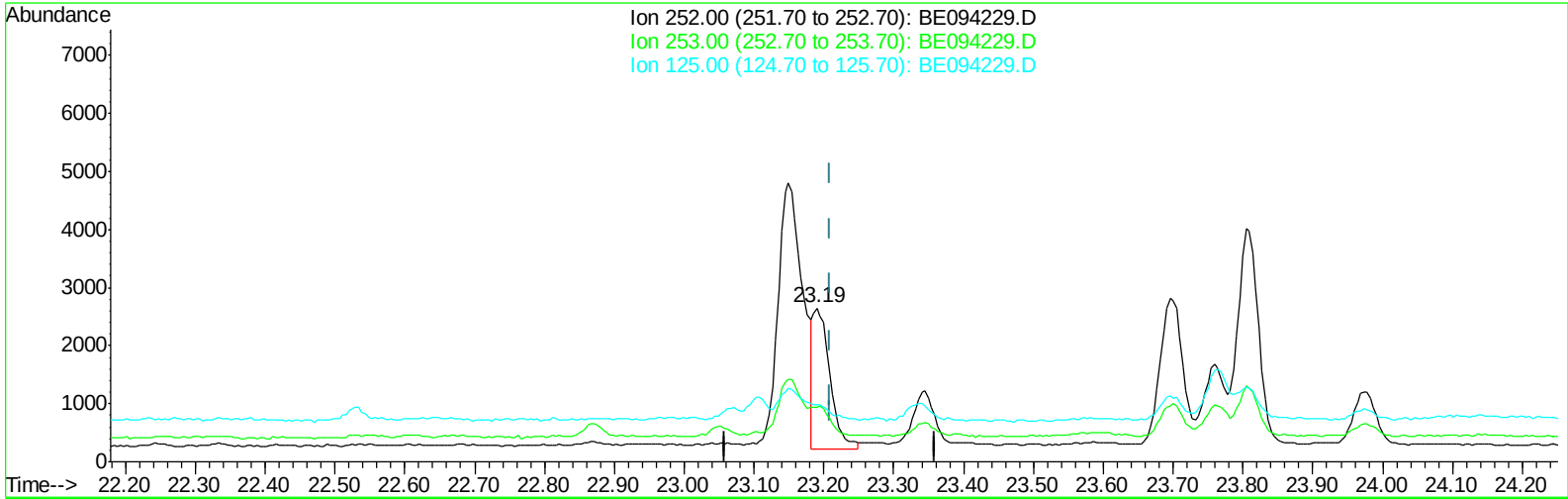
Data Path : Z:\HPCHEM1\BNA\_E\Data\BE100917\  
Data File : BE094229.D  
Acq On : 9 Oct 2017 20:12  
Operator : SJ/JU  
Sample : I5522-10  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
C0AD9

Manual Integrations  
APPROVED

Sohil  
10/11/2017 9:24:18 AM

Quant Time: Oct 10 17:17:58 2017  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE092017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Oct 10 09:18:40 2017  
Response via : Initial Calibration



TIC: BE094229.D

(22) Benzo(k)fluoranthene

23.190min (-0.019) 0.09ng/ul m

response 4148

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 30.60 | 35.73  |
| 125.00 | 17.10 | 37.35# |
| 0.00   | 0.00  | 0.00   |

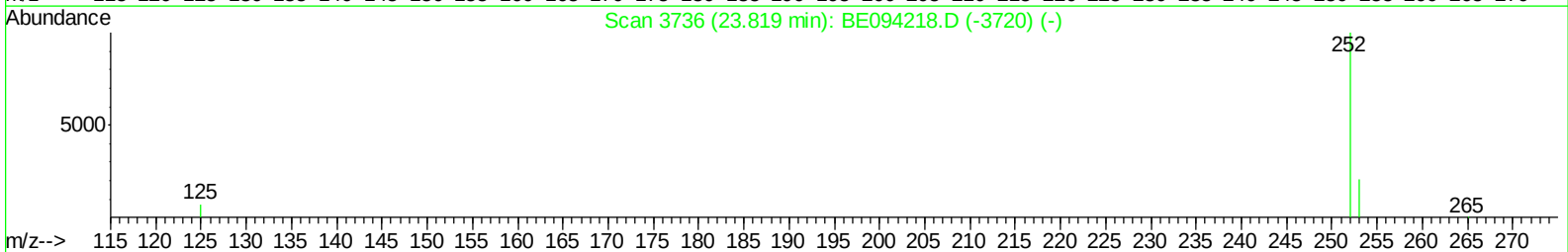
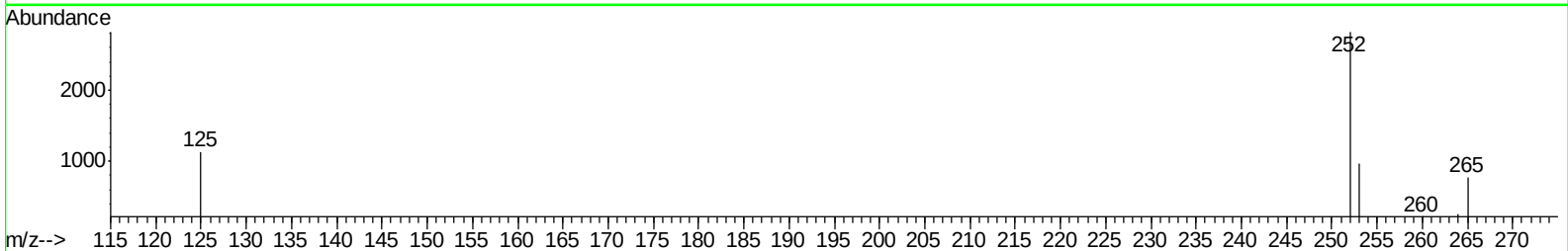
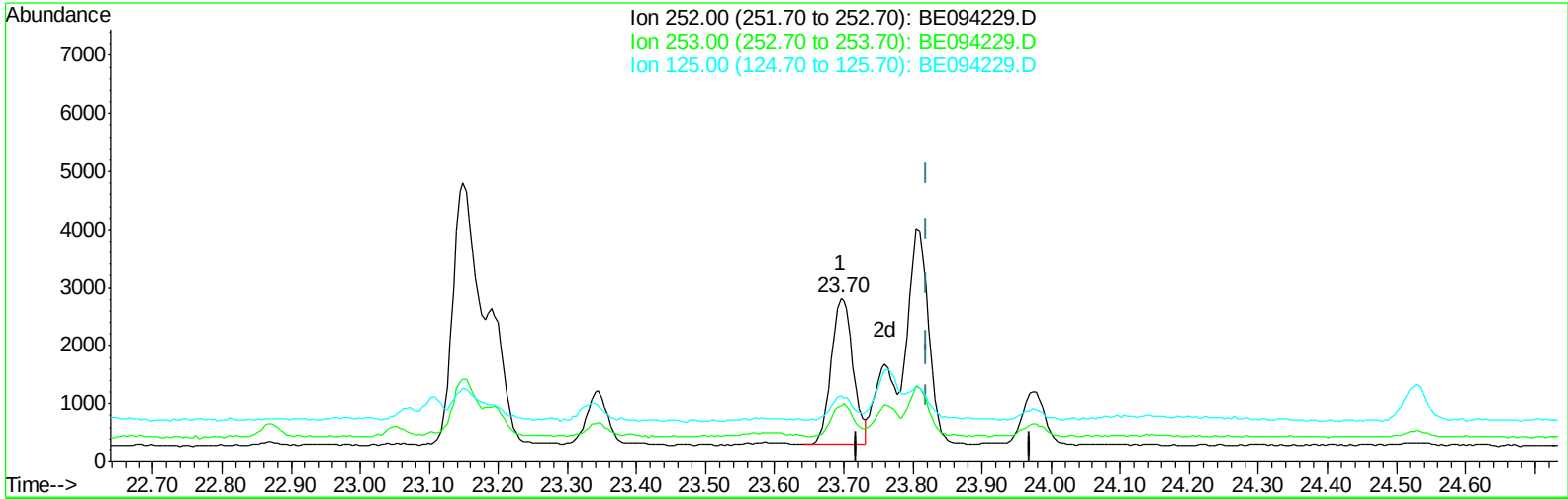
Data Path : Z:\HPCHEM1\BNA\_E\Data\BE100917\  
Data File : BE094229.D  
Acq On : 9 Oct 2017 20:12  
Operator : SJ/JU  
Sample : I5522-10  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
C0AD9

Manual Integrations  
APPROVED

Sohil  
10/11/2017 9:24:18 AM

Quant Time: Oct 10 17:17:58 2017  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE092017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Oct 10 09:18:40 2017  
Response via : Initial Calibration



TIC: BE094229.D

(23) Benzo(a)pyrene (C)  
23.695min (-0.124) 0.13ng/ul  
response 5646

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 35.60 | 34.42  |
| 125.00 | 22.60 | 40.28# |
| 0.00   | 0.00  | 0.00   |

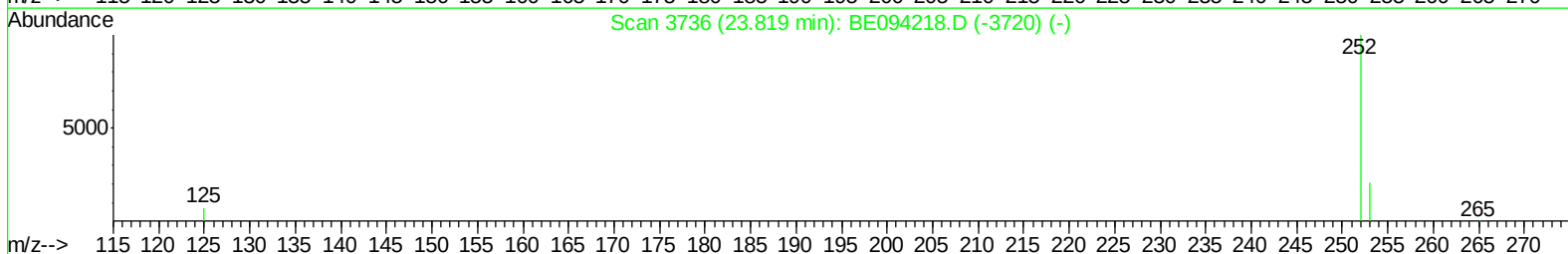
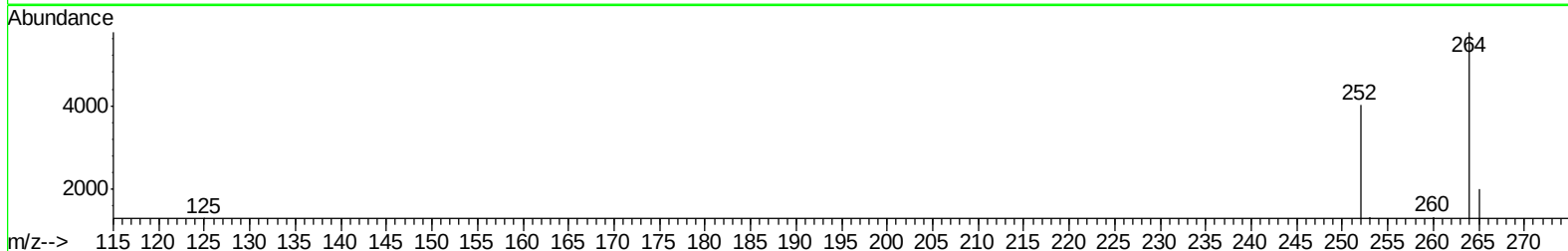
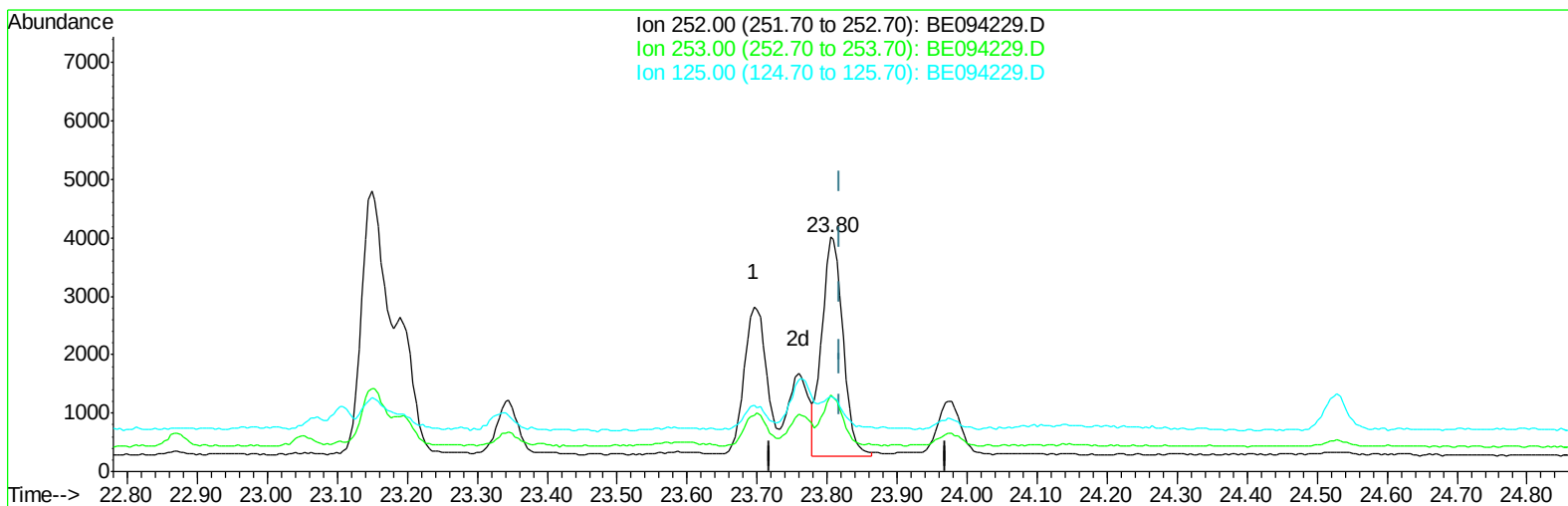
Data Path : Z:\HPCHEM1\BNA\_E\Data\BE100917\  
Data File : BE094229.D  
Acq On : 9 Oct 2017 20:12  
Operator : SJ/JU  
Sample : I5522-10  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampled :  
C0AD9

Manual Integrations  
APPROVED

Sohil  
10/11/2017 9:24:18 AM

Quant Time: Oct 10 17:17:58 2017  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE092017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Oct 10 09:18:40 2017  
Response via : Initial Calibration



TIC: BE094229.D

(23) Benzo(a)pyrene (C)

23.805min (-0.015) 0.18ng/ul m

response 7912

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 35.60 | 32.49  |
| 125.00 | 22.60 | 32.07# |
| 0.00   | 0.00  | 0.00   |



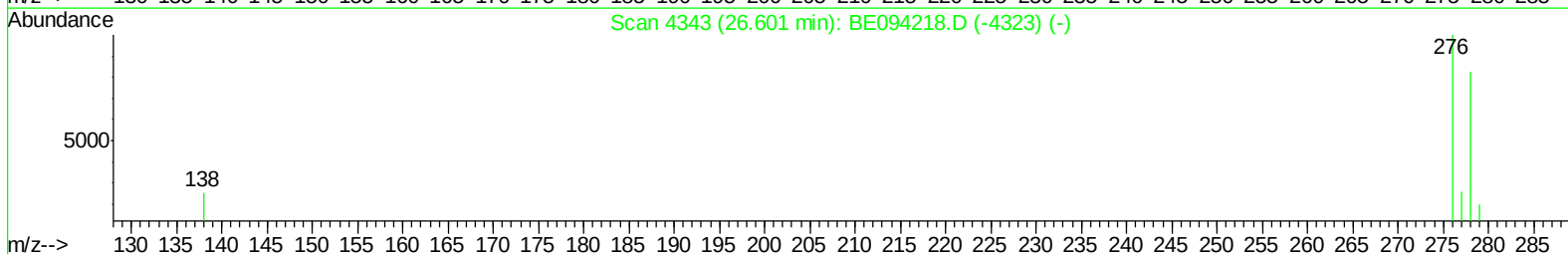
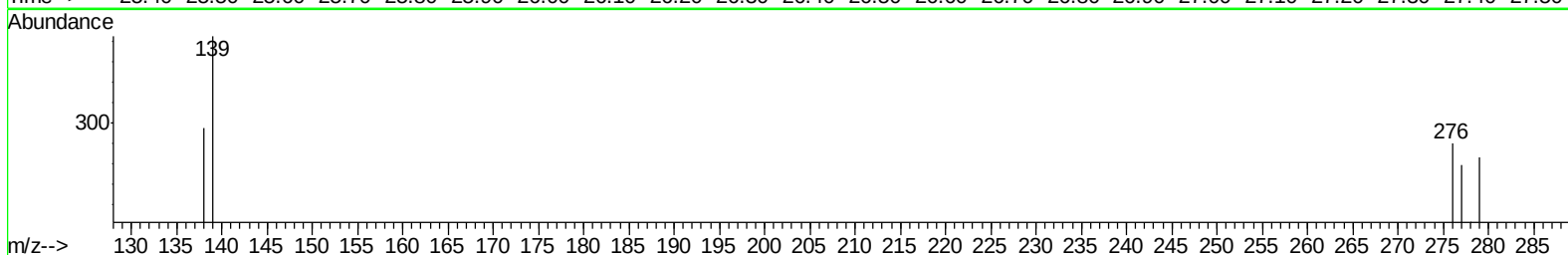
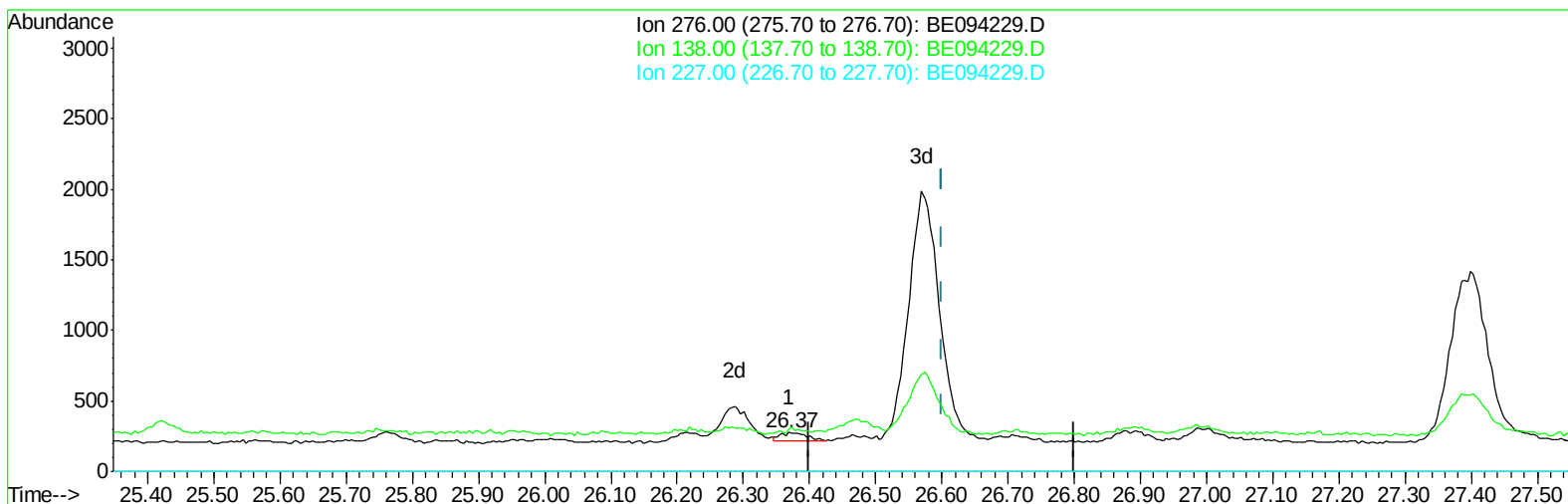
Data Path : Z:\HPCHEM1\BNA\_E\Data\BE100917\  
Data File : BE094229.D  
Acq On : 9 Oct 2017 20:12  
Operator : SJ/JU  
Sample : I5522-10  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
C0AD9

Manual Integrations  
APPROVED

Sohil  
10/11/2017 9:24:18 AM

Quant Time: Oct 10 17:17:58 2017  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE092017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Oct 10 09:18:40 2017  
Response via : Initial Calibration



TIC: BE094229.D

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

26.369min (-0.232) 0.00ng/ul

response 139

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 276.00 | 100   | 100   |
| 138.00 | 35.00 | 33.09 |
| 227.00 | 10.00 | 0.00# |
| 0.00   | 0.00  | 0.00  |

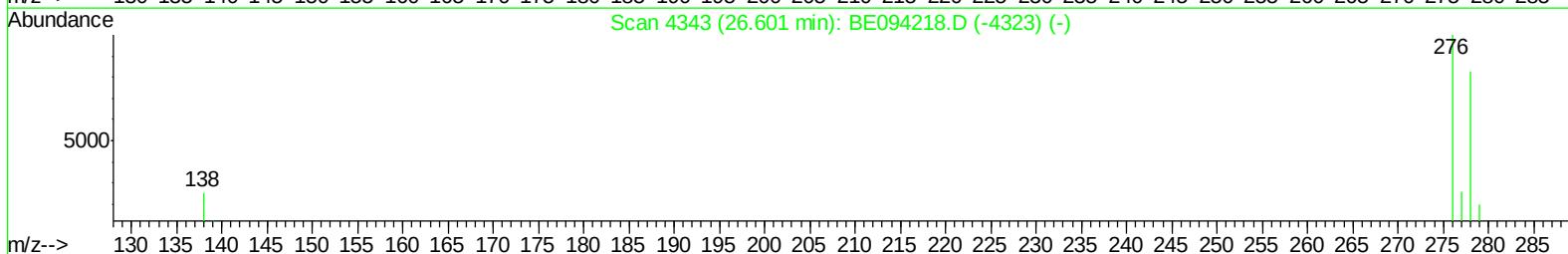
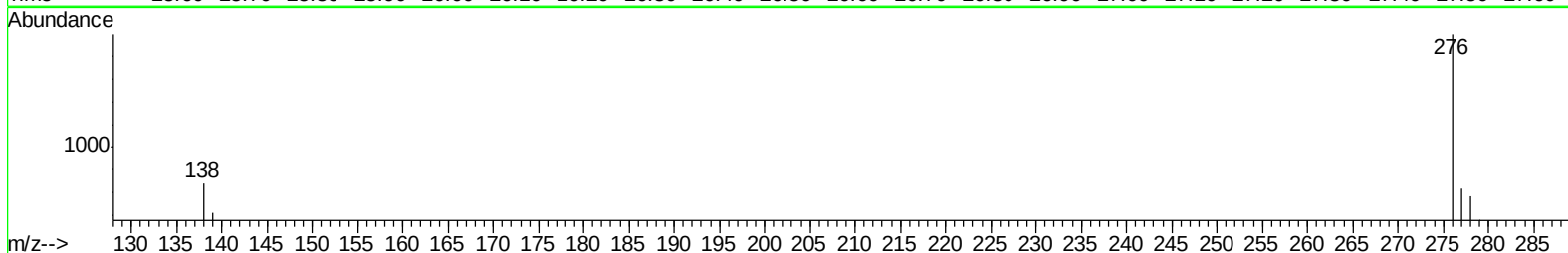
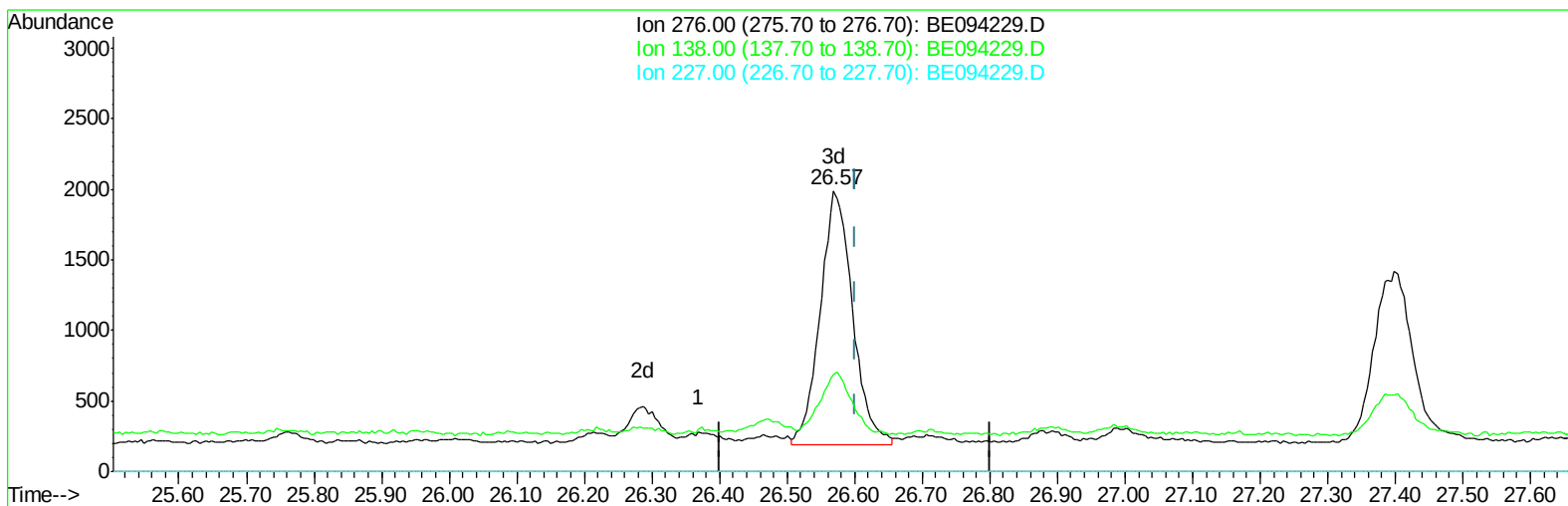
Data Path : Z:\HPCHEM1\BNA\_E\Data\BE100917\  
Data File : BE094229.D  
Acq On : 9 Oct 2017 20:12  
Operator : SJ/JU  
Sample : I5522-10  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
C0AD9

Manual Integrations  
APPROVED

Sohil  
10/11/2017 9:24:18 AM

Quant Time: Oct 10 17:17:58 2017  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE092017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Oct 10 09:18:40 2017  
Response via : Initial Calibration



TIC: BE094229.D

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

26.569min (-0.032) 0.13ng/ul m

response 5942

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 276.00 | 100   | 100   |
| 138.00 | 35.00 | 0.77# |
| 227.00 | 10.00 | 0.00# |
| 0.00   | 0.00  | 0.00  |

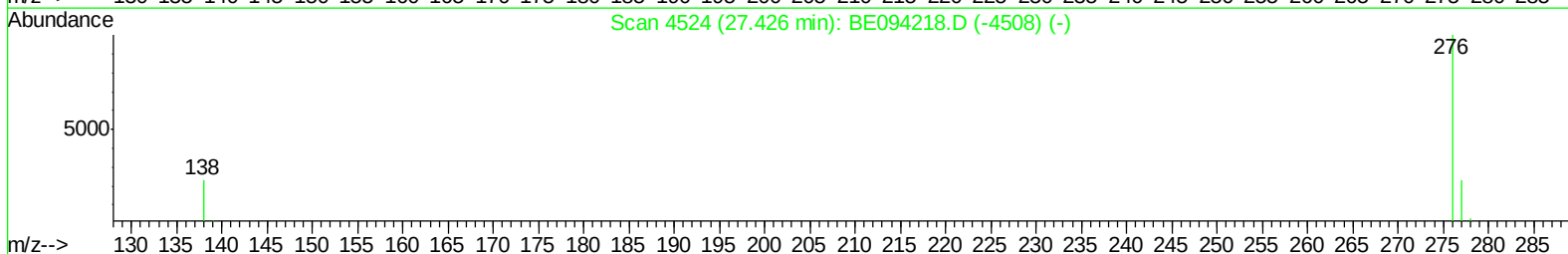
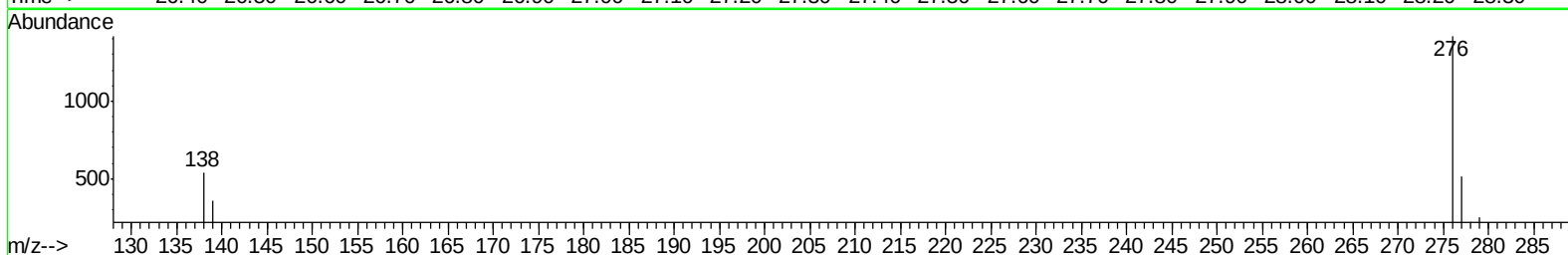
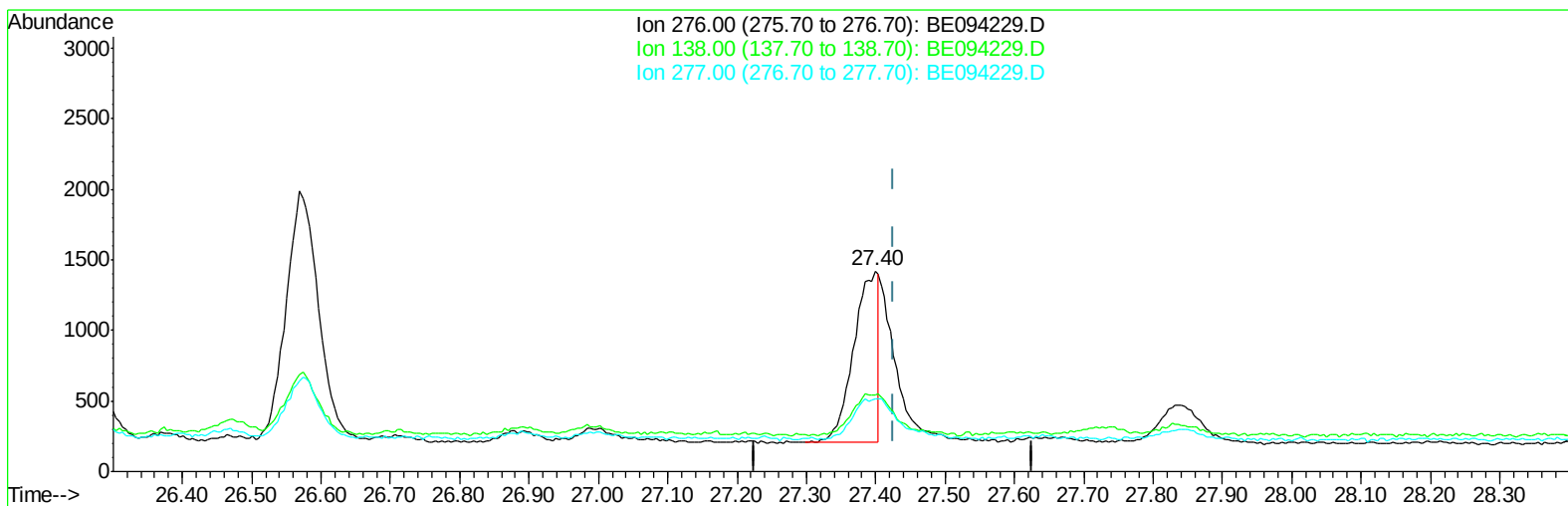
Data Path : Z:\HPCHEM1\BNA\_E\Data\BE100917\  
Data File : BE094229.D  
Acq On : 9 Oct 2017 20:12  
Operator : SJ/JU  
Sample : I5522-10  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
C0AD9

Manual Integrations  
APPROVED

Sohil  
10/11/2017 9:24:18 AM

Quant Time: Oct 10 17:17:58 2017  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE092017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Oct 10 09:18:40 2017  
Response via : Initial Calibration



TIC: BE094229.D

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

27.399min (-0.027) 0.08ng/ul

response 2989

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 276.00 | 100   | 100    |
| 138.00 | 27.30 | 38.20# |
| 277.00 | 25.60 | 36.01# |
| 0.00   | 0.00  | 0.00   |

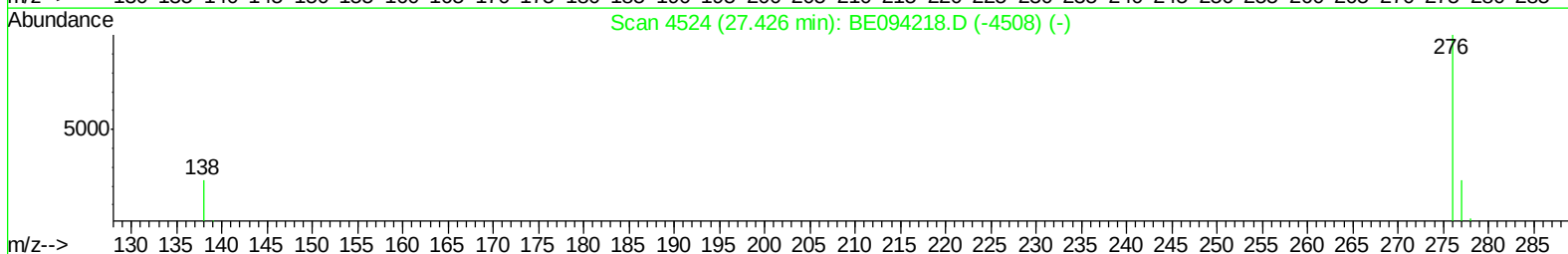
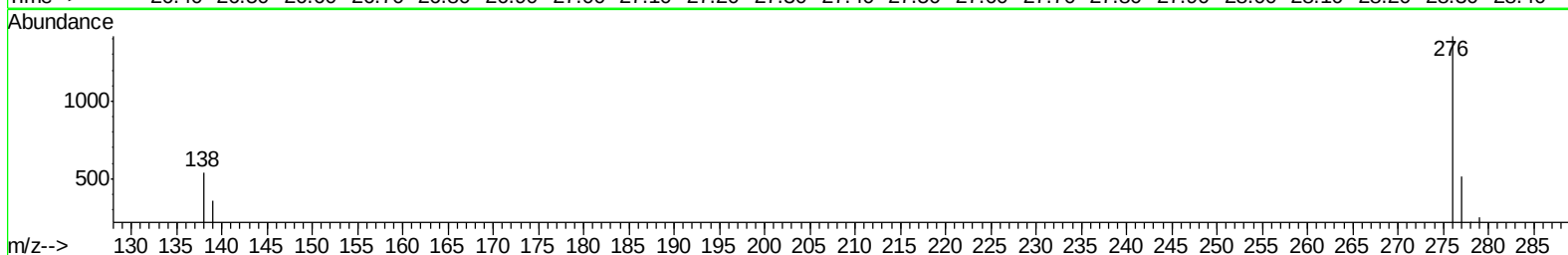
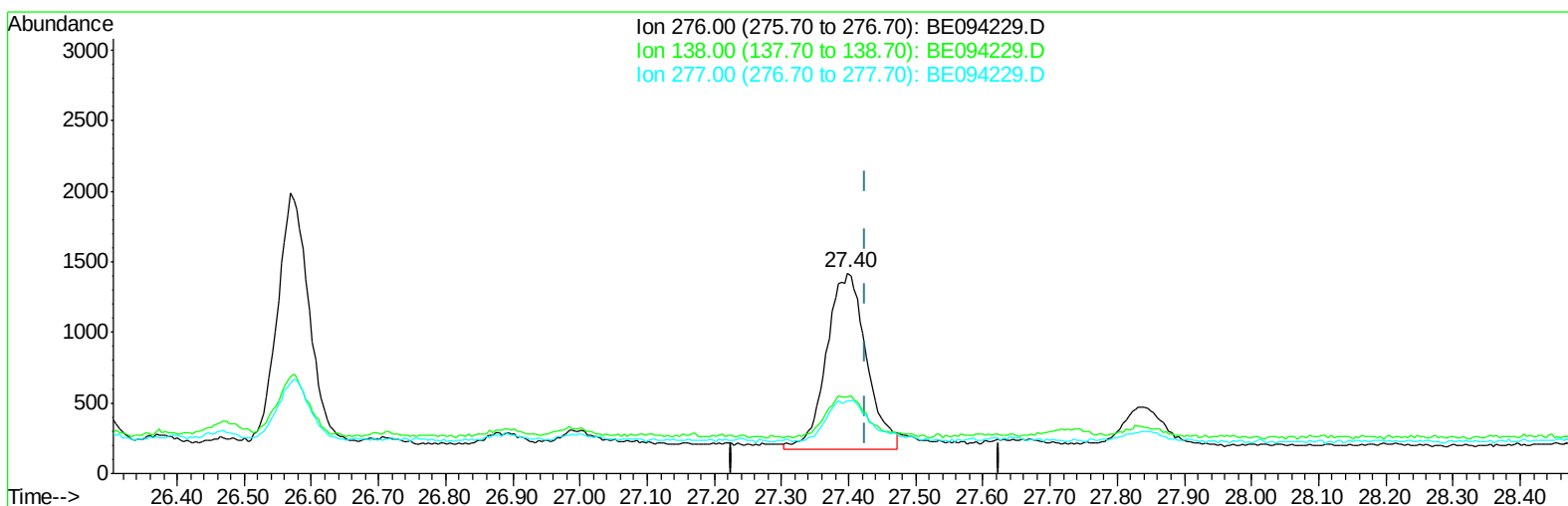
Data Path : Z:\HPCHEM1\BNA\_E\Data\BE100917\  
Data File : BE094229.D  
Acq On : 9 Oct 2017 20:12  
Operator : SJ/JU  
Sample : I5522-10  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
C0AD9

Manual Integrations  
APPROVED

Sohil  
10/11/2017 9:24:18 AM

Quant Time: Oct 10 17:17:58 2017  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE092017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Oct 10 09:18:40 2017  
Response via : Initial Calibration



TIC: BE094229.D

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

27.399min (-0.027) 0.13ng/ul m

response 5087

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 276.00 | 100   | 100    |
| 138.00 | 27.30 | 38.20# |
| 277.00 | 25.60 | 36.01# |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\HPCHEM1\BNA\_E\Data\BE100917\  
 Data File : BE094229.D  
 Acq On : 9 Oct 2017 20:12  
 Operator : SJ/JU  
 Sample : I5522-10  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 C0AD9

Manual Integrations  
 APPROVED

Sohil  
 10/11/2017 9:24:18 AM

Quant Time: Oct 10 17:20:35 2017  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE092017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 10 09:18:40 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.91  | 152  | 2446     | 0.40   | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.69 | 136  | 12938    | 0.40   | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.51 | 164  | 7498     | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.24 | 188  | 16708    | 0.40   | ng/ul  | -0.02    |
| 16) Chrysene-d12            | 21.41 | 240  | 16717    | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.92 | 264  | 15401m   | 0.40   | ng/ul  | -0.01    |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.28 | 152  | 1184     | 0.06   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.27 | 212  | 3385     | 0.06   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Qvalue |        |          |
| 12) Phenanthrene            | 17.29 | 178  | 1950     | 0.045  | ng/ul# | 96       |
| 15) Fluoranthene            | 19.30 | 202  | 5370     | 0.094  | ng/ul  | 85       |
| 17) Pyrene                  | 19.66 | 202  | 5549     | 0.119  | ng/ul# | 88       |
| 18) Benzo(a)anthracene      | 21.39 | 228  | 4799     | 0.108  | ng/ul# | 88       |
| 19) Chrysene                | 21.44 | 228  | 6005     | 0.117  | ng/ul# | 87       |
| 21) Benzo(b)fluoranthene    | 23.15 | 252  | 11327m   | 0.271  | ng/ul  |          |
| 22) Benzo(k)fluoranthene    | 23.19 | 252  | 4148m    | 0.086  | ng/ul  |          |
| 23) Benzo(a)pyrene          | 23.80 | 252  | 7912m    | 0.182  | ng/ul  |          |
| 24) Indeno(1,2,3-cd)pyrene  | 26.57 | 276  | 5942m    | 0.134  | ng/ul  |          |
| 26) Benzo(g,h,i)perylene    | 27.40 | 276  | 5087m    | 0.133  | ng/ul  |          |

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

Data Path : Z:\HPCHEM1\BNA\_E\Data\BE100917\  
Data File : BE094229.D  
Acq On : 9 Oct 2017 20:12  
Operator : SJ/JU  
Sample : I5522-10  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
C0AD9

Manual Integrations  
APPROVED

Sohil  
10/11/2017 9:24:18 AM

Quant Time: Oct 10 17:20:35 2017  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE092017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Oct 10 09:18:40 2017  
Response via : Initial Calibration

