

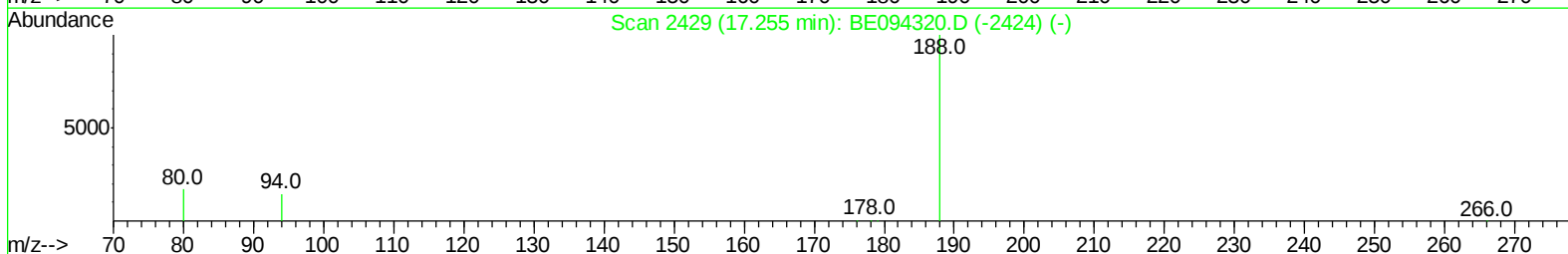
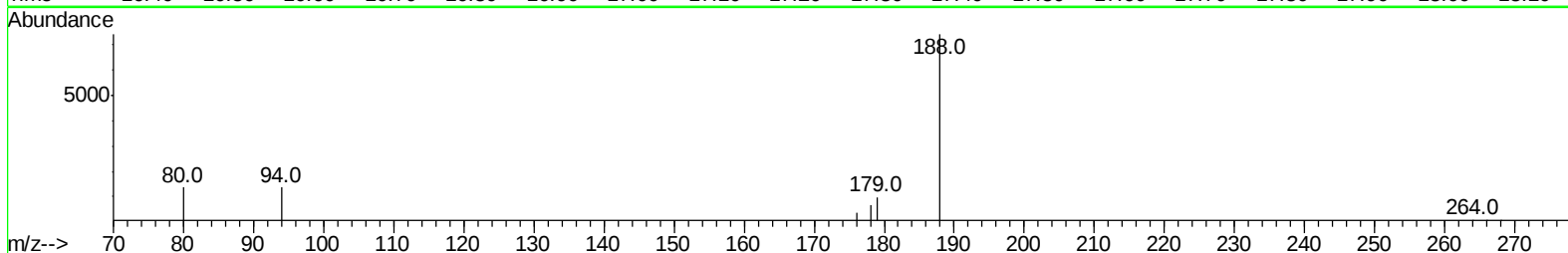
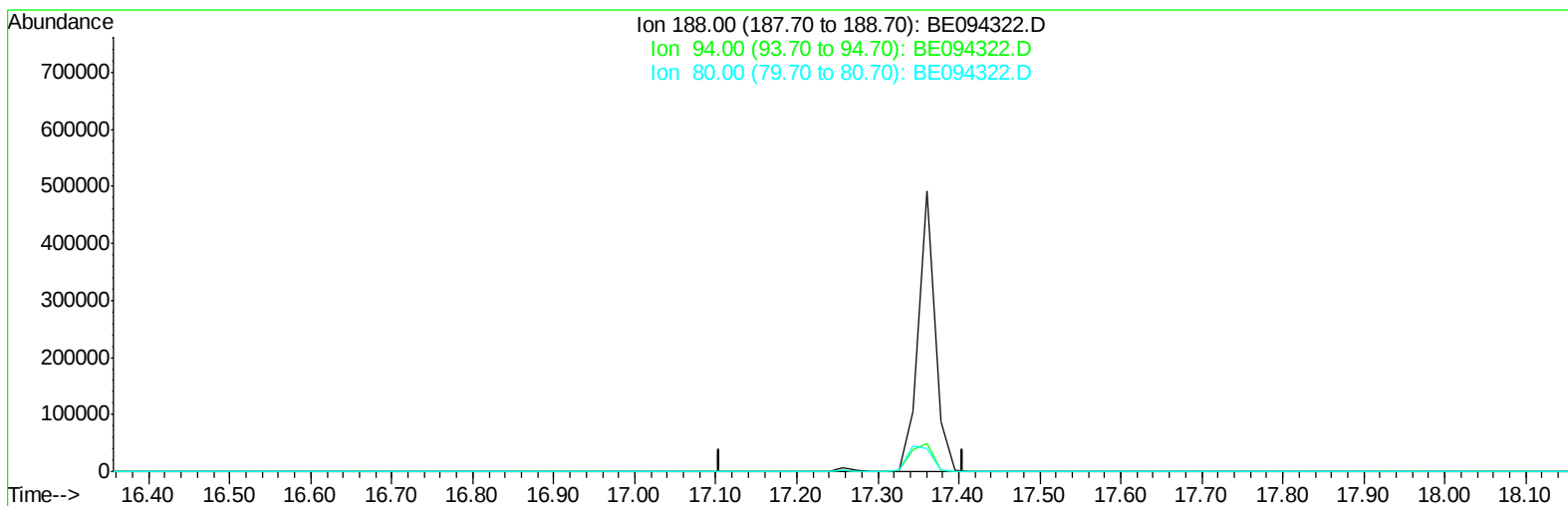
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Data File : BE094322.D  
Acq On : 13 Oct 2017 13:17  
Operator : SJ/JU  
Sample : I5533-01  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
B-56(1-2)-092717

Manual Integrations  
APPROVED

Sohil  
10/16/2017 8:22:36 PM

Quant Time: Oct 14 02:18:07 2017  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Oct 14 02:15:10 2017  
Response via : Initial Calibration



TIC: BE094322.D

(10) Phenanthrene-d10 (I)

17.255min (-17.255) 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  |

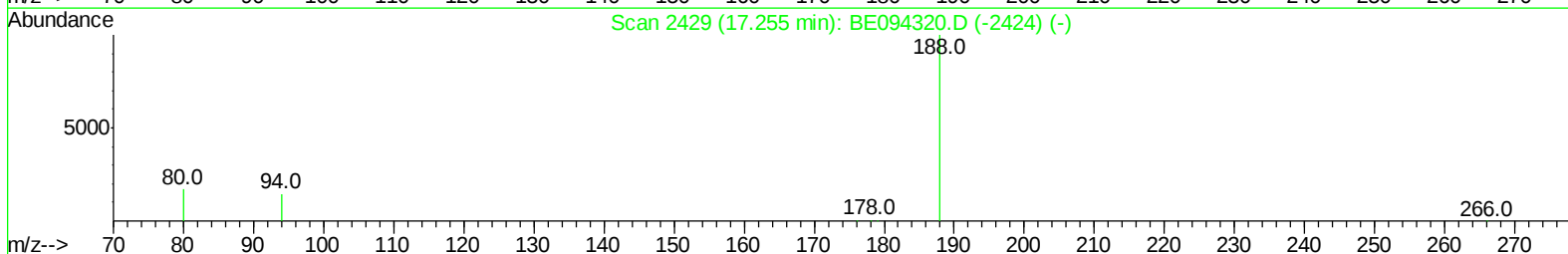
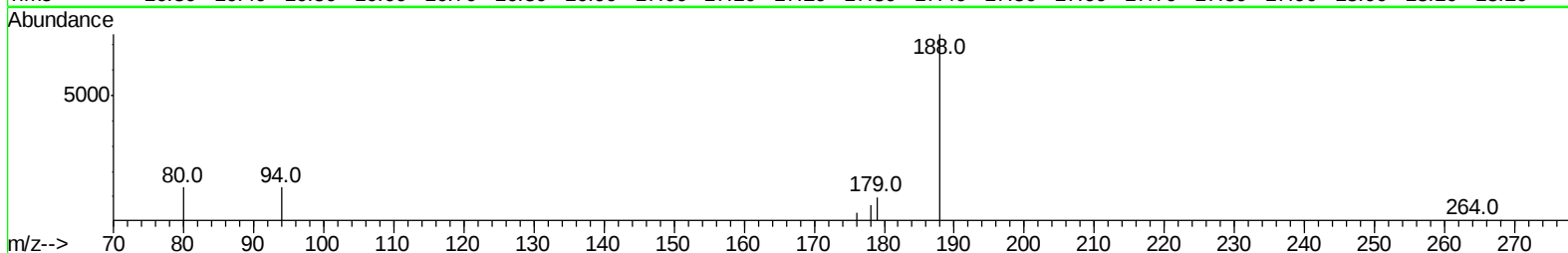
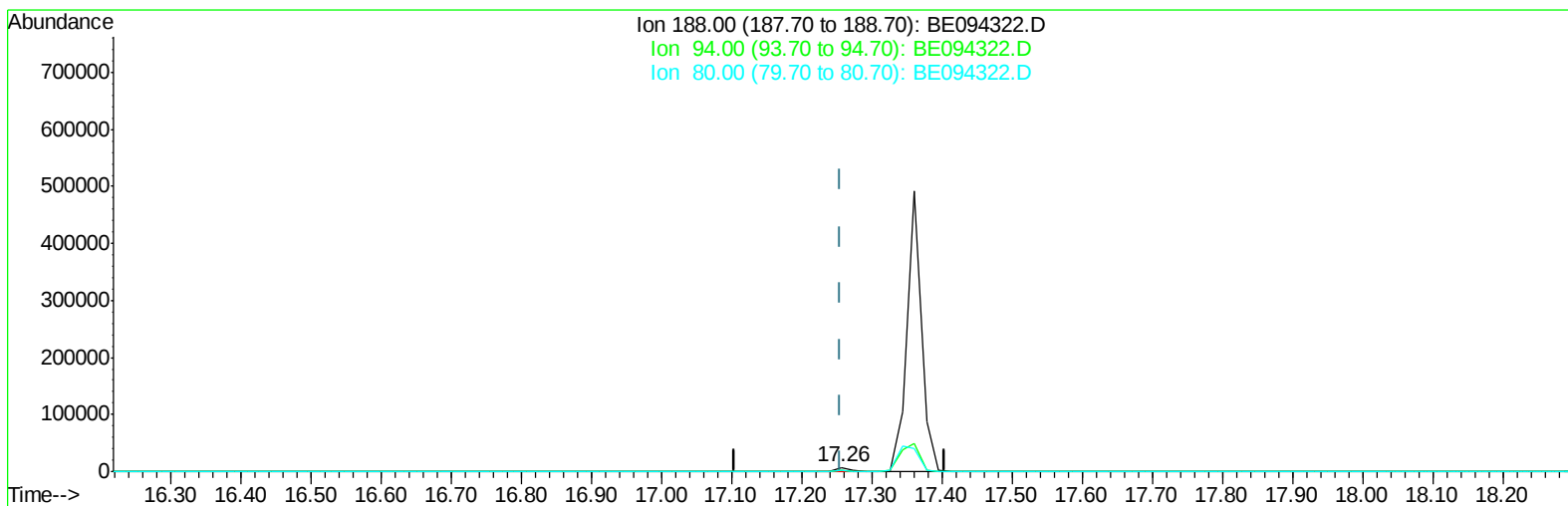
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Data File : BE094322.D  
Acq On : 13 Oct 2017 13:17  
Operator : SJ/JU  
Sample : I5533-01  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
B-56(1-2)-092717

Manual Integrations  
APPROVED

Sohil  
10/16/2017 8:22:36 PM

Quant Time: Oct 14 02:18:07 2017  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Oct 14 02:15:10 2017  
Response via : Initial Calibration



TIC: BE094322.D

(10) Phenanthrene-d10 (I)

17.256min (+0.001) 0.40ng/ul m

response 11714

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 188.00 | 100   | 100    |
| 94.00  | 11.00 | 18.36# |
| 80.00  | 11.80 | 18.44# |
| 0.00   | 0.00  | 0.00   |

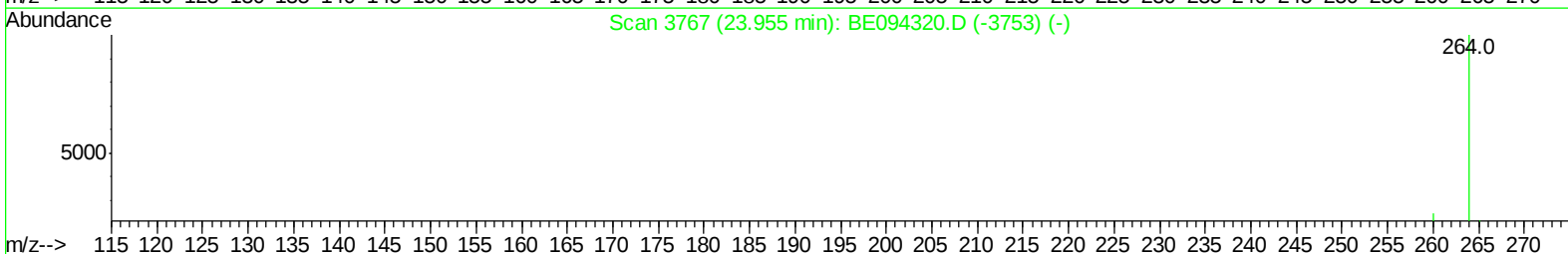
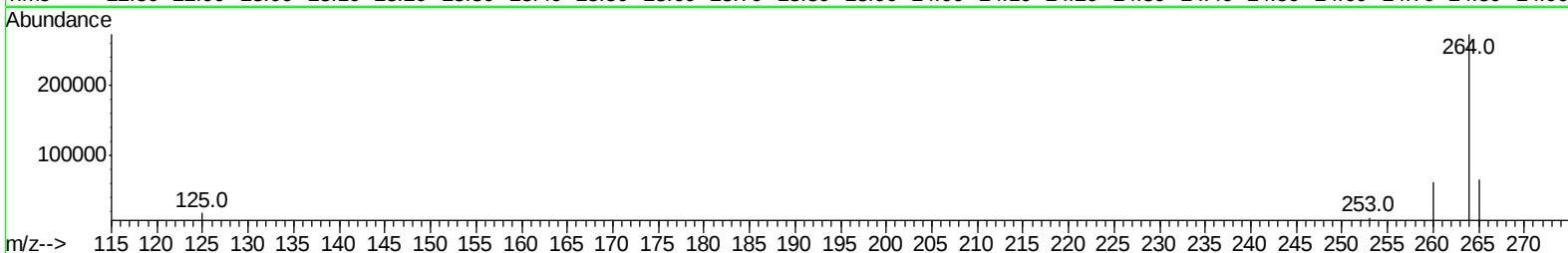
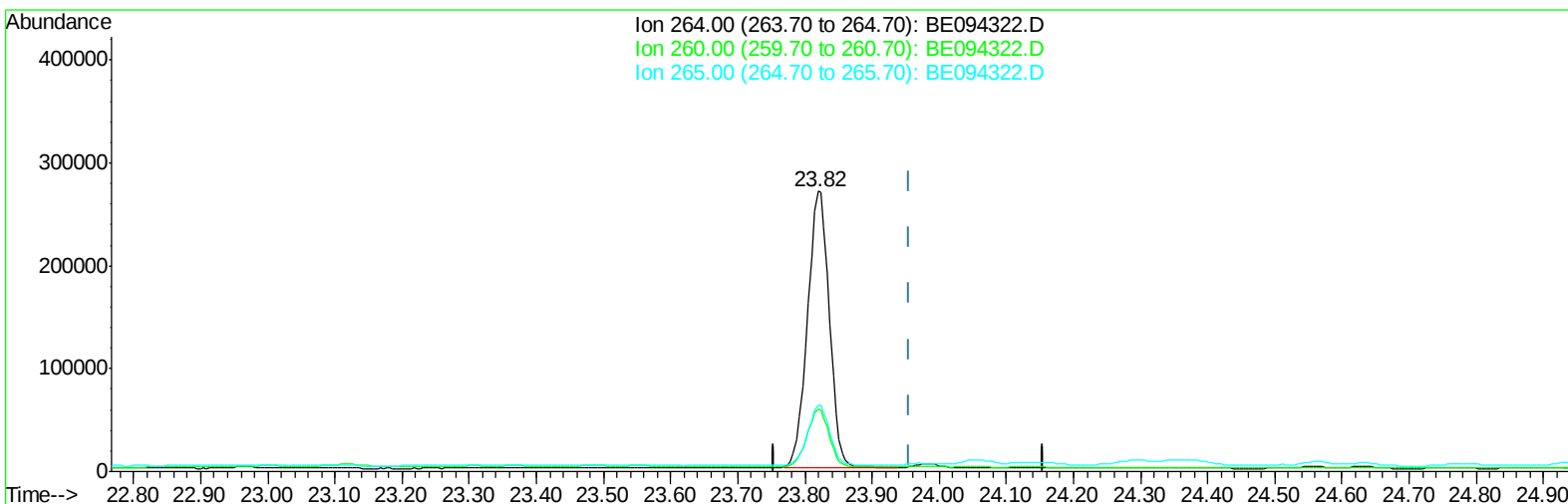
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Data File : BE094322.D  
Acq On : 13 Oct 2017 13:17  
Operator : SJ/JU  
Sample : I5533-01  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
B-56(1-2)-092717

Manual Integrations  
APPROVED

Sohil  
10/16/2017 8:22:36 PM

Quant Time: Oct 14 02:25:16 2017  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Oct 14 02:15:10 2017  
Response via : Initial Calibration



TIC: BE094322.D

(20) Perylene-d12 (I)

23.819min (-0.136) 0.40ng/ul

response 605150

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100    | 100    |
| 260.00 | 30.10  | 22.50# |
| 265.00 | 103.50 | 23.47# |
| 0.00   | 0.00   | 0.00   |

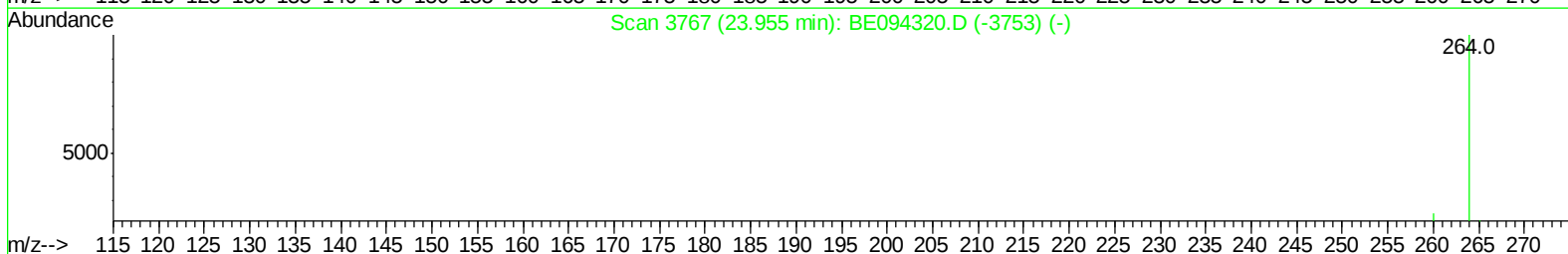
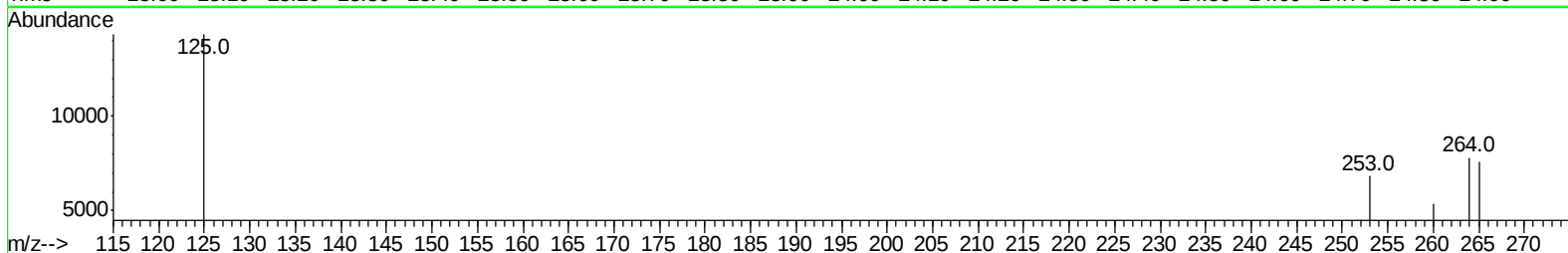
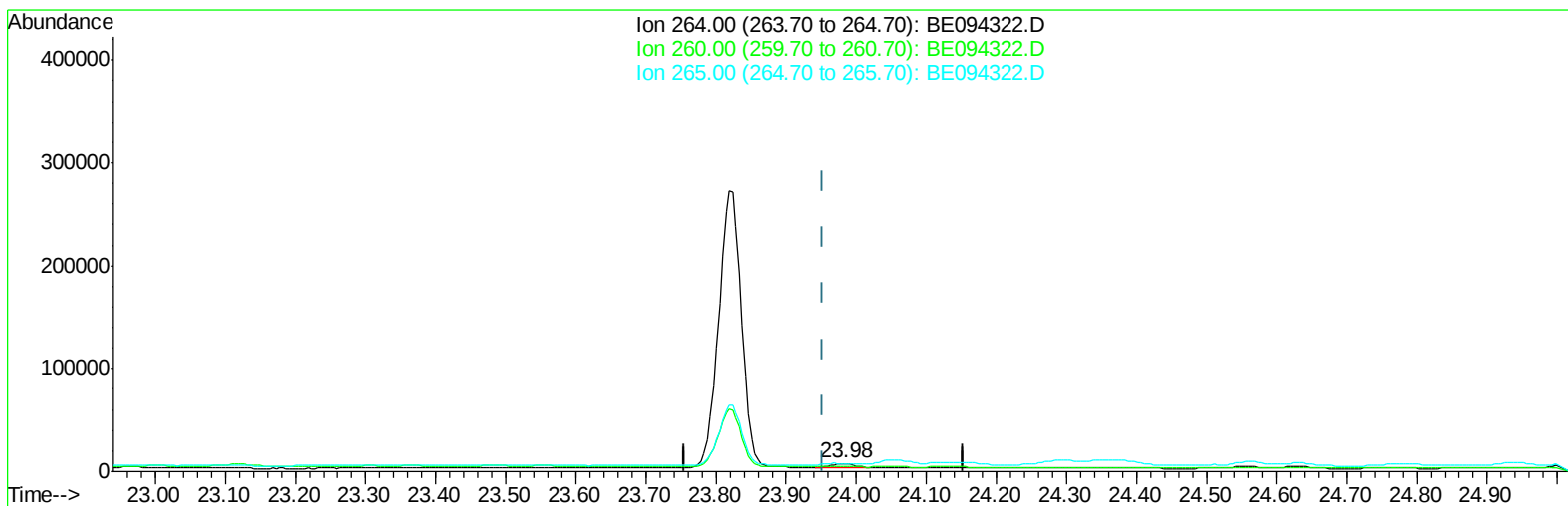
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Data File : BE094322.D  
Acq On : 13 Oct 2017 13:17  
Operator : SJ/JU  
Sample : I5533-01  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
B-56(1-2)-092717

Manual Integrations  
APPROVED

Sohil  
10/16/2017 8:22:36 PM

Quant Time: Oct 14 02:25:16 2017  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Oct 14 02:15:10 2017  
Response via : Initial Calibration



TIC: BE094322.D

(20) Perylene-d12 (I)

23.983min (+0.028) 0.40ng/ul m

response 11488

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100    | 100    |
| 260.00 | 30.10  | 68.42# |
| 265.00 | 103.50 | 97.53  |
| 0.00   | 0.00   | 0.00   |

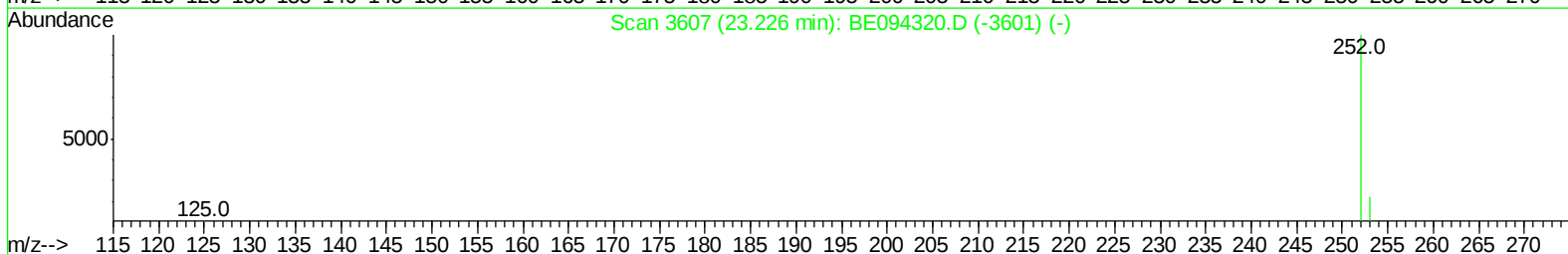
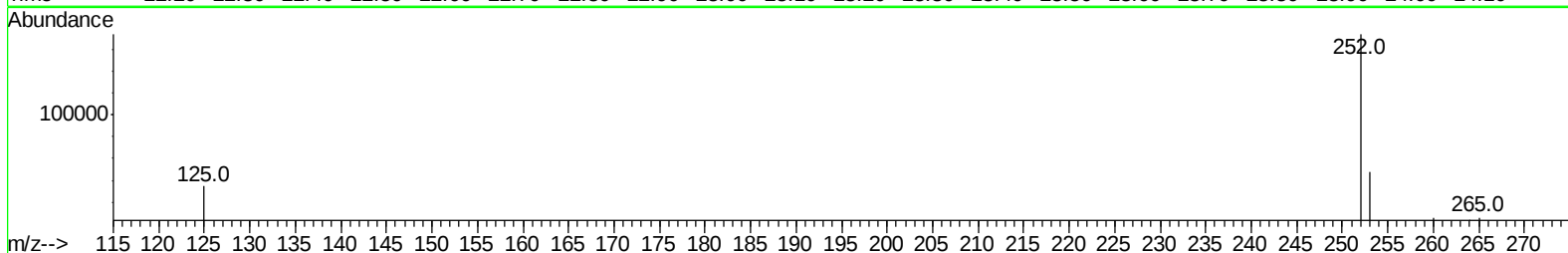
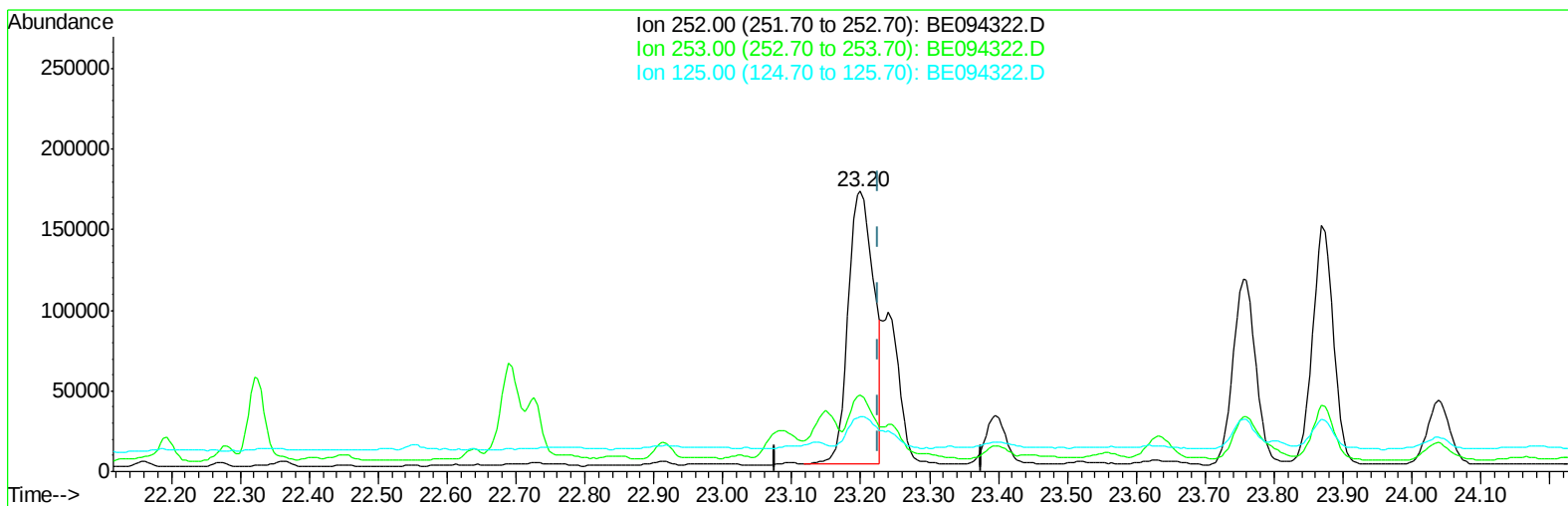
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Data File : BE094322.D  
Acq On : 13 Oct 2017 13:17  
Operator : SJ/JU  
Sample : I5533-01  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
B-56(1-2)-092717

Manual Integrations  
APPROVED

Sohil  
10/16/2017 8:22:36 PM

Quant Time: Oct 14 02:26:13 2017  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Oct 14 02:15:10 2017  
Response via : Initial Calibration



TIC: BE094322.D

(22) Benzo(k)fluoranthene

23.200min (-0.027) 12.02ng/ul

response 433644

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 30.60 | 27.14 |
| 125.00 | 17.10 | 19.71 |
| 0.00   | 0.00  | 0.00  |

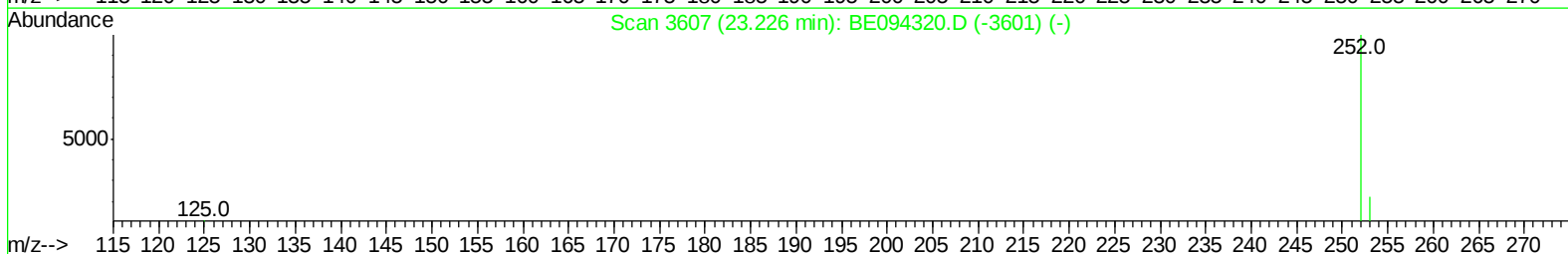
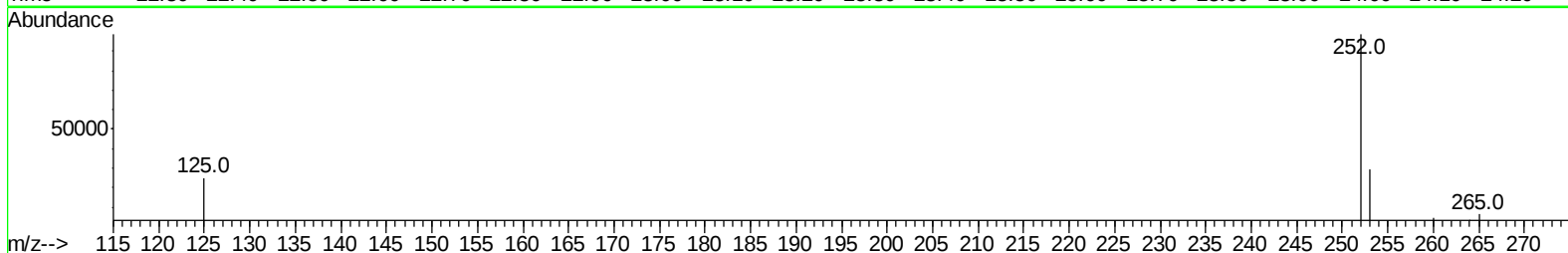
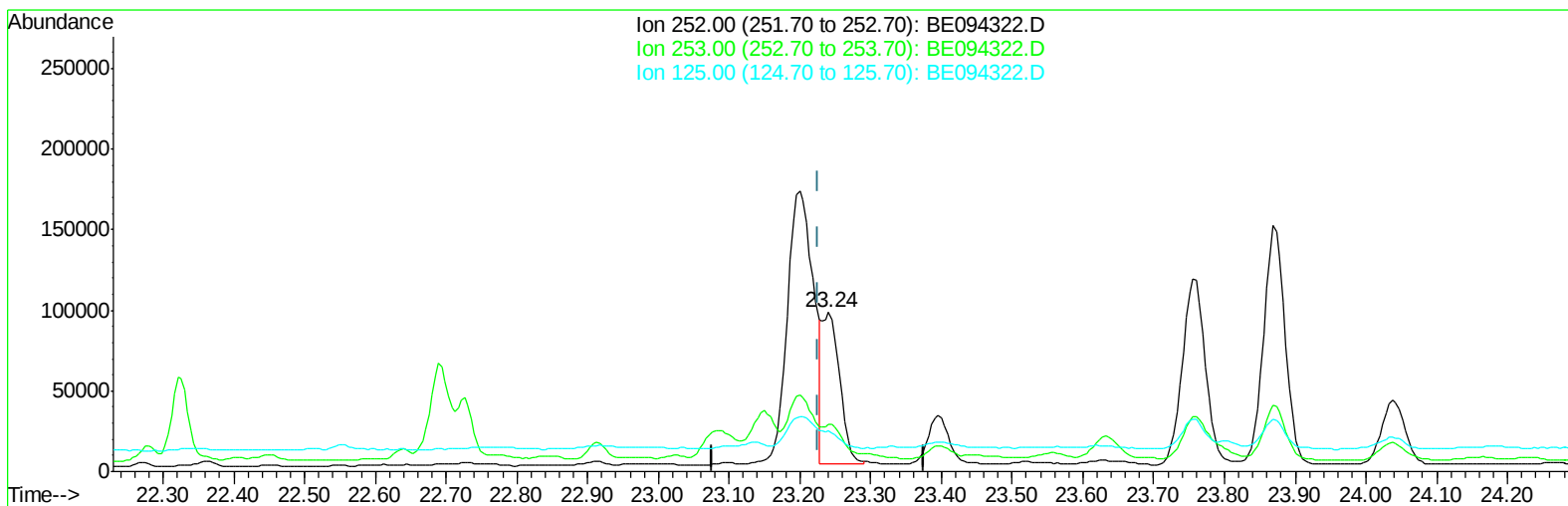
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE101317\  
Data File : BE094322.D  
Acq On : 13 Oct 2017 13:17  
Operator : SJ/JU  
Sample : I5533-01  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
B-56(1-2)-092717

Manual Integrations  
APPROVED

Sohil  
10/16/2017 8:22:36 PM

Quant Time: Oct 14 02:26:13 2017  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Oct 14 02:15:10 2017  
Response via : Initial Calibration



TIC: BE094322.D

(22) Benzo(k)fluoranthene

23.241min (+0.014) 4.57ng/ul m

response 164990

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 30.60 | 29.64  |
| 125.00 | 17.10 | 25.38# |
| 0.00   | 0.00  | 0.00   |

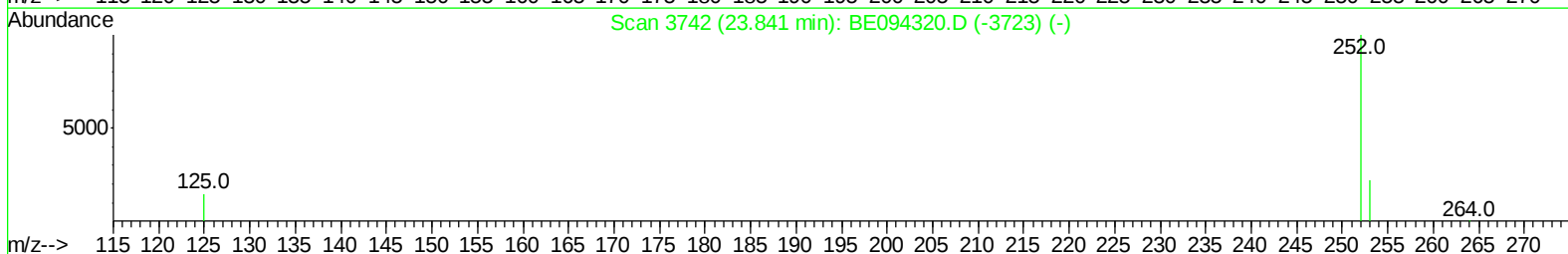
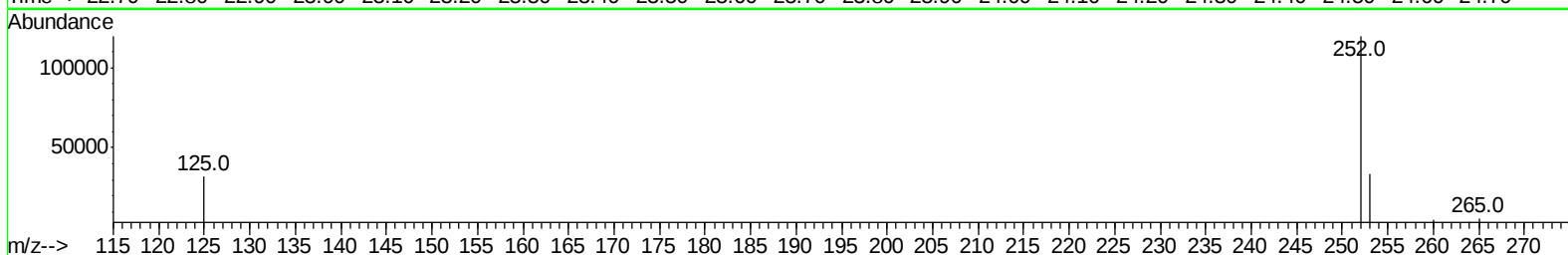
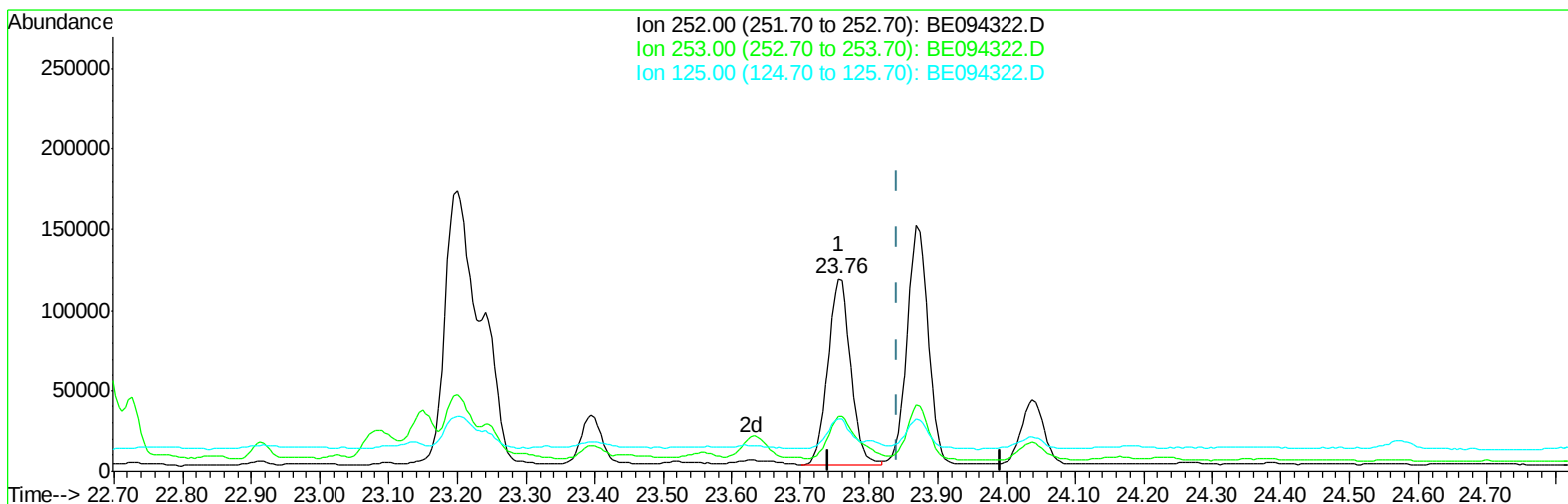
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Data File : BE094322.D  
Acq On : 13 Oct 2017 13:17  
Operator : SJ/JU  
Sample : I5533-01  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
B-56(1-2)-092717

Manual Integrations  
APPROVED

Sohil  
10/16/2017 8:22:36 PM

Quant Time: Oct 14 02:26:13 2017  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Oct 14 02:15:10 2017  
Response via : Initial Calibration



TIC: BE094322.D

(23) Benzo(a)pyrene (C)

23.755min (-0.086) 8.18ng/ul

response 265251

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 35.60 | 28.19# |
| 125.00 | 22.60 | 26.89  |
| 0.00   | 0.00  | 0.00   |

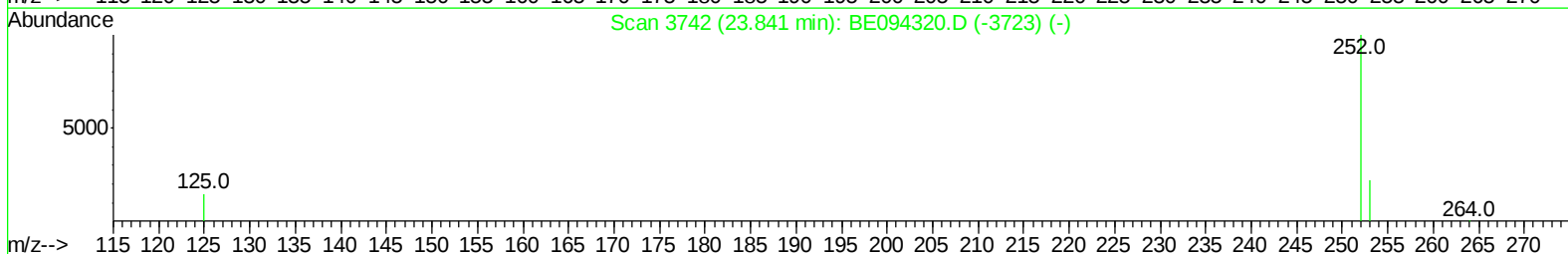
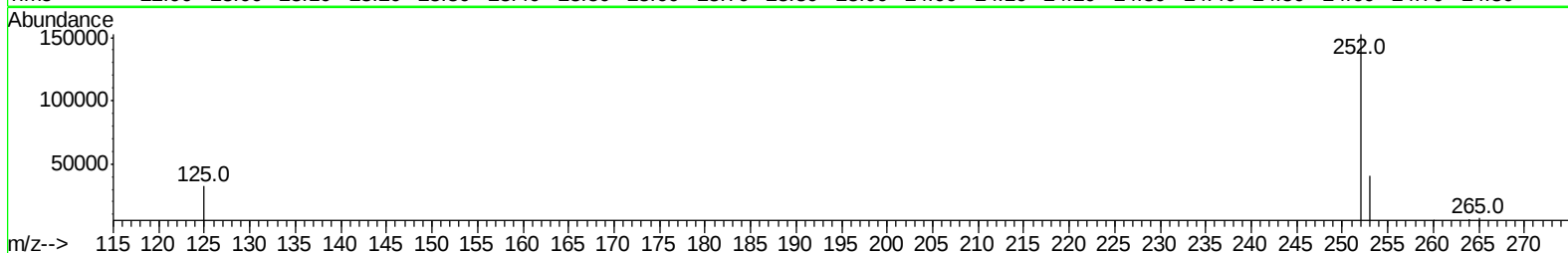
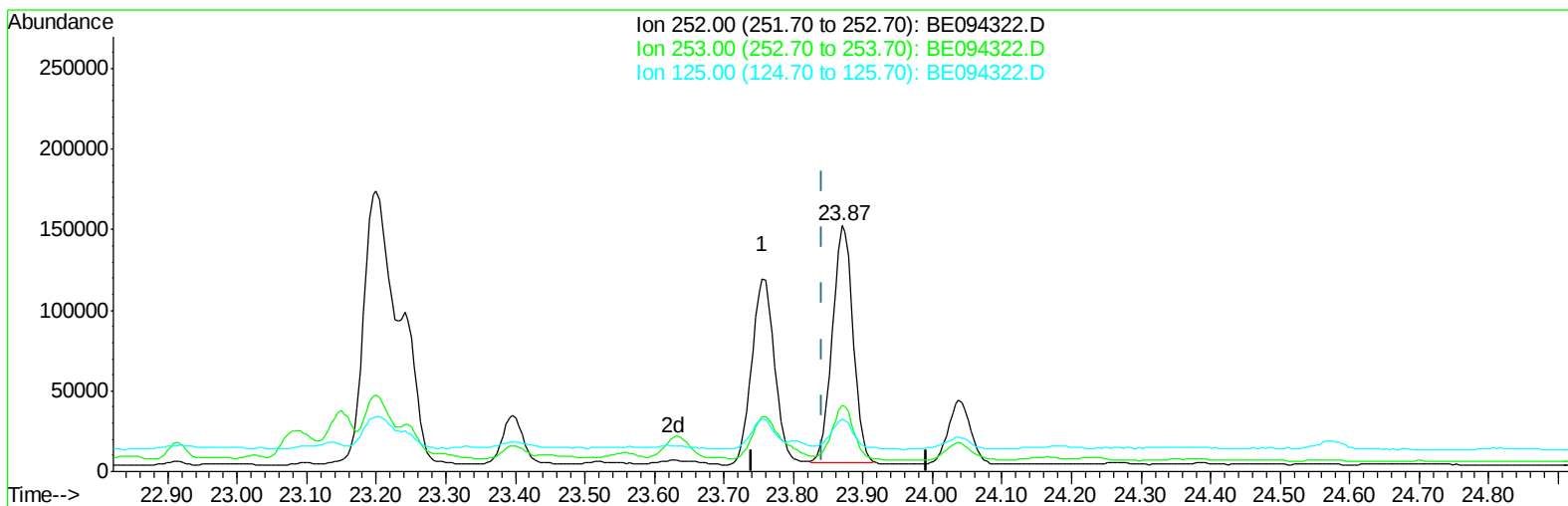
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Data File : BE094322.D  
Acq On : 13 Oct 2017 13:17  
Operator : SJ/JU  
Sample : I5533-01  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
B-56(1-2)-092717

Manual Integrations  
APPROVED

Sohil  
10/16/2017 8:22:36 PM

Quant Time: Oct 14 02:26:13 2017  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Oct 14 02:15:10 2017  
Response via : Initial Calibration



TIC: BE094322.D

(23) Benzo(a)pyrene (C)

23.869min (+0.028) 9.47ng/ul m

response 307091

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 35.60 | 26.92# |
| 125.00 | 22.60 | 21.16  |
| 0.00   | 0.00  | 0.00   |

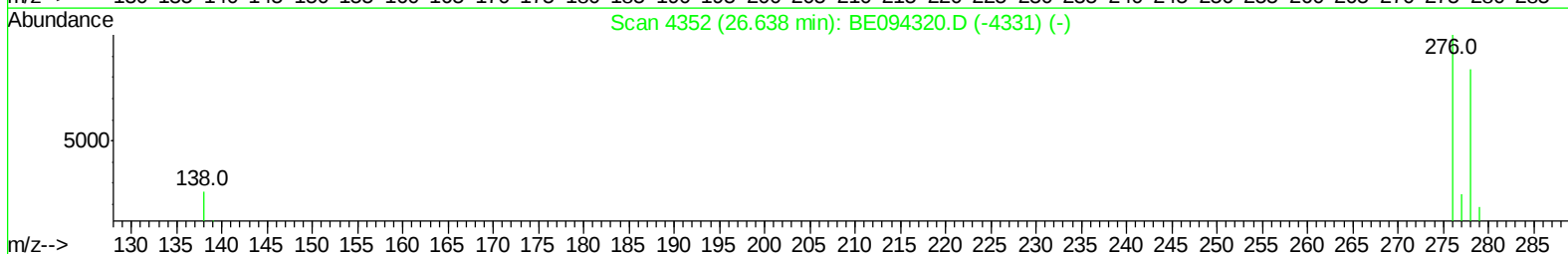
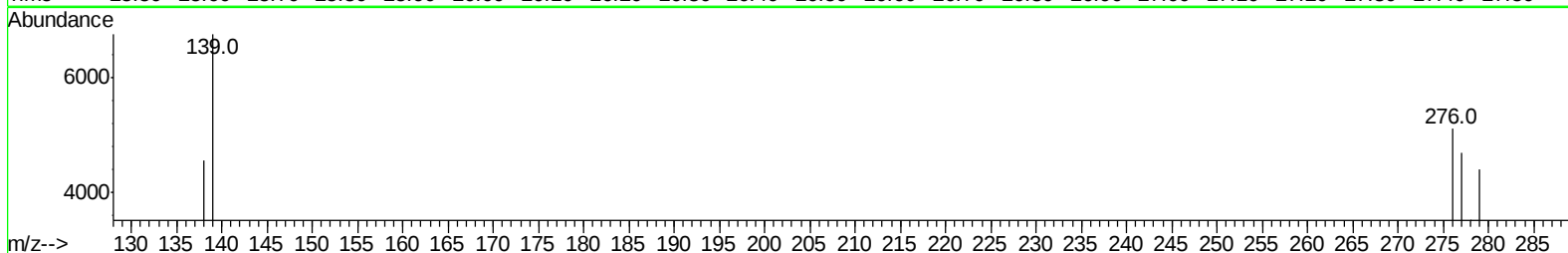
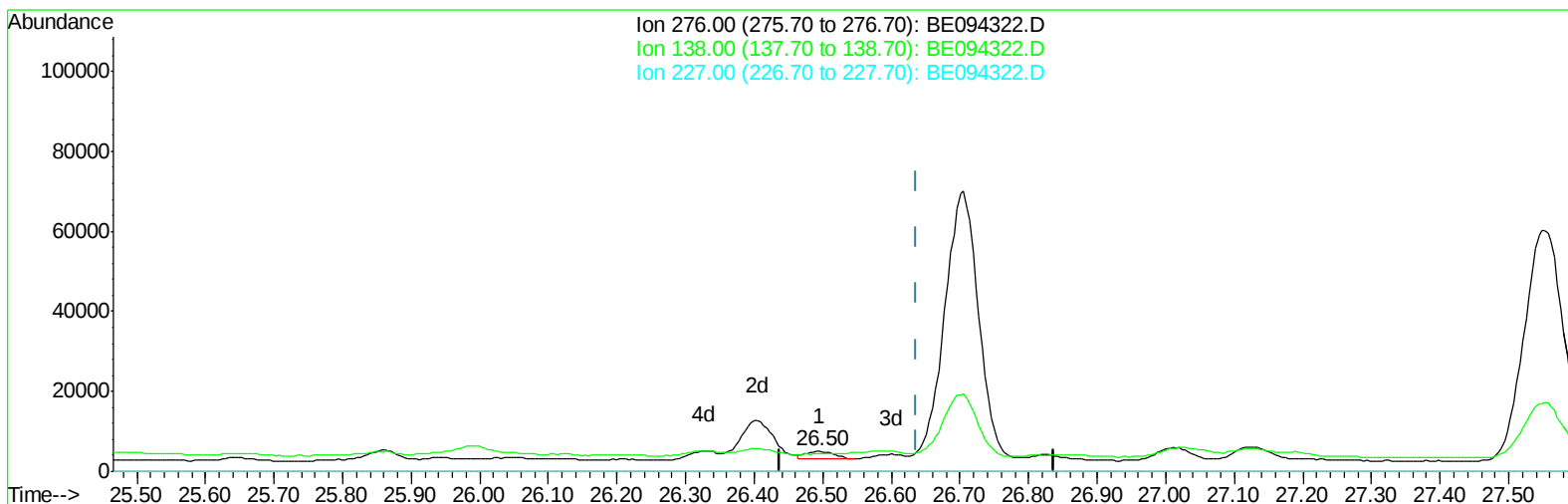
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Data File : BE094322.D  
Acq On : 13 Oct 2017 13:17  
Operator : SJ/JU  
Sample : I5533-01  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
B-56(1-2)-092717

Manual Integrations  
APPROVED

Sohil  
10/16/2017 8:22:36 PM

Quant Time: Oct 14 02:26:13 2017  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Oct 14 02:15:10 2017  
Response via : Initial Calibration



TIC: BE094322.D

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

26.495min (-0.142) 0.15ng/ul

response 4942

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 276.00 | 100   | 100    |
| 138.00 | 35.00 | 17.10# |
| 227.00 | 10.00 | 0.00#  |
| 0.00   | 0.00  | 0.00   |

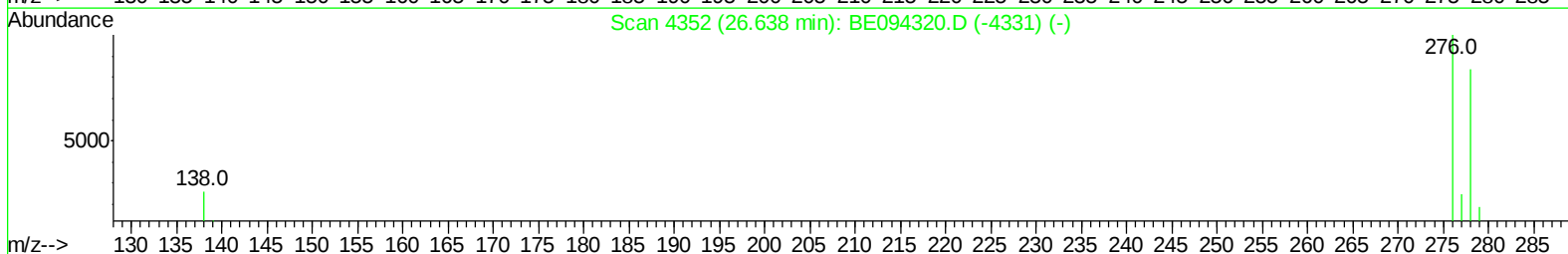
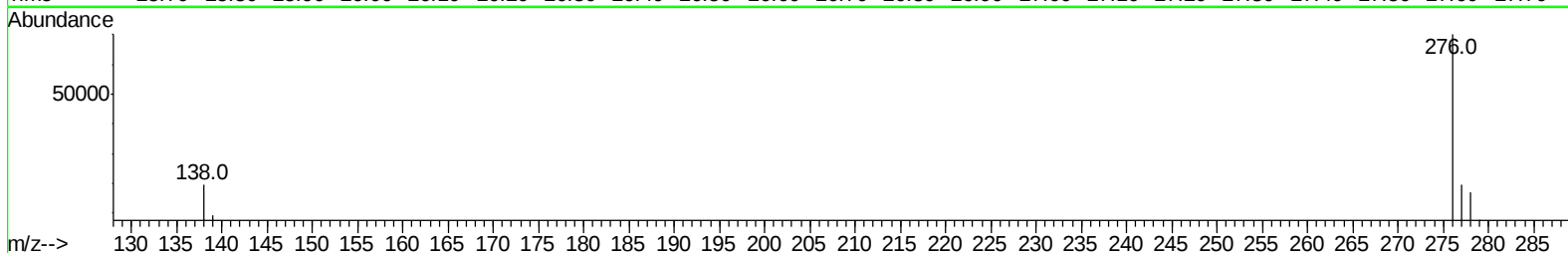
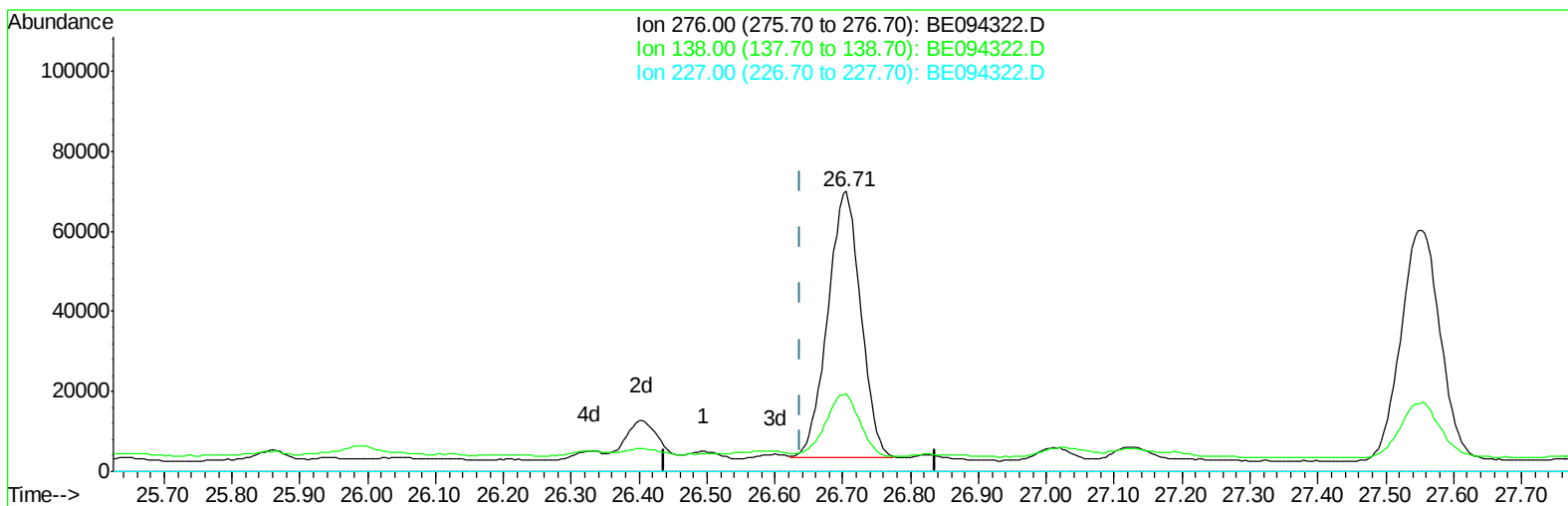
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE101317\  
Data File : BE094322.D  
Acq On : 13 Oct 2017 13:17  
Operator : SJ/JU  
Sample : I5533-01  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
B-56(1-2)-092717

Manual Integrations  
APPROVED

Sohil  
10/16/2017 8:22:36 PM

Quant Time: Oct 14 02:26:13 2017  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Oct 14 02:15:10 2017  
Response via : Initial Calibration



TIC: BE094322.D

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

26.705min (+0.067) 6.78ng/ul m

response 224850

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 276.00 | 100   | 100   |
| 138.00 | 35.00 | 0.38# |
| 227.00 | 10.00 | 0.00# |
| 0.00   | 0.00  | 0.00  |

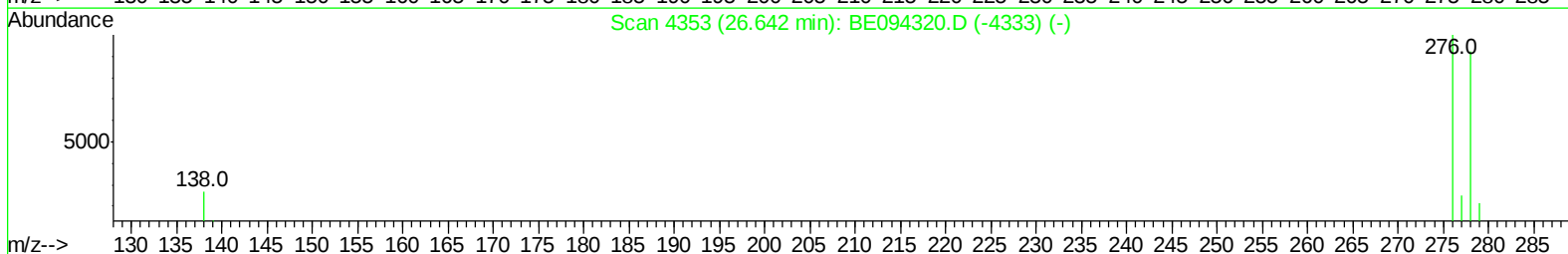
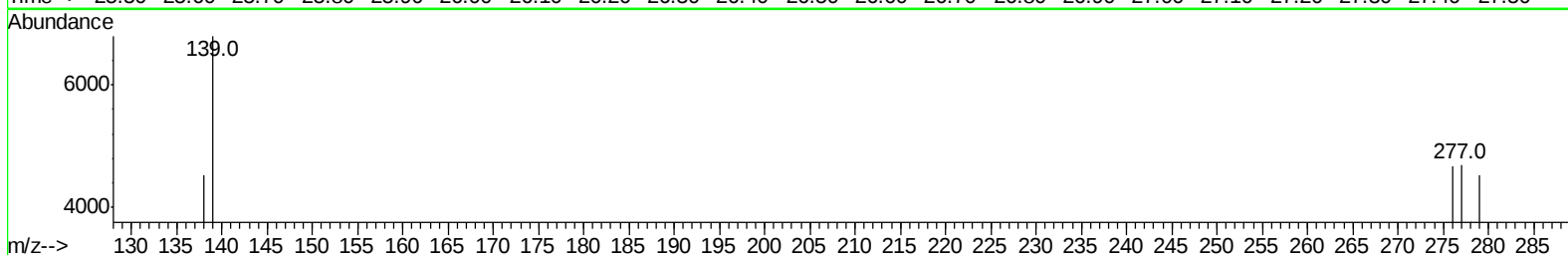
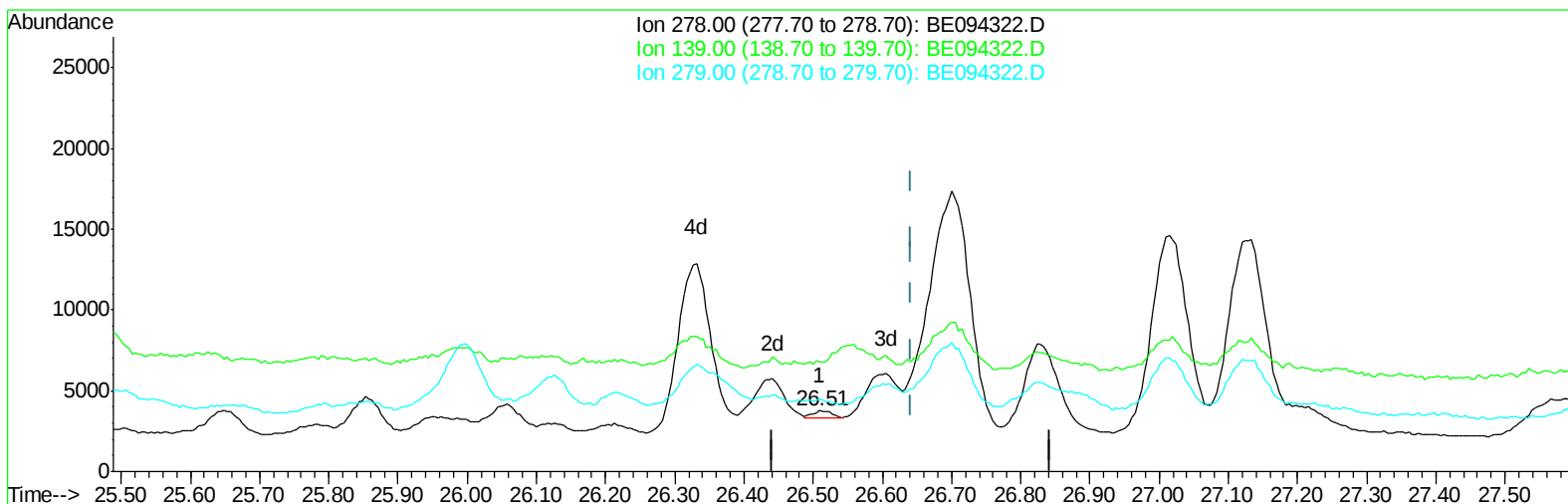
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE101317\  
Data File : BE094322.D  
Acq On : 13 Oct 2017 13:17  
Operator : SJ/JU  
Sample : I5533-01  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
B-56(1-2)-092717

Manual Integrations  
APPROVED

Sohil  
10/16/2017 8:22:36 PM

Quant Time: Oct 14 02:26:13 2017  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Oct 14 02:15:10 2017  
Response via : Initial Calibration



TIC: BE094322.D

(25) Dibenzo(a,h)anthracene

26.509min (-0.133) 0.03ng/ul

response 825

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 278.00 | 100   | 100     |
| 139.00 | 21.70 | 180.88# |
| 279.00 | 32.40 | 120.47# |
| 0.00   | 0.00  | 0.00    |

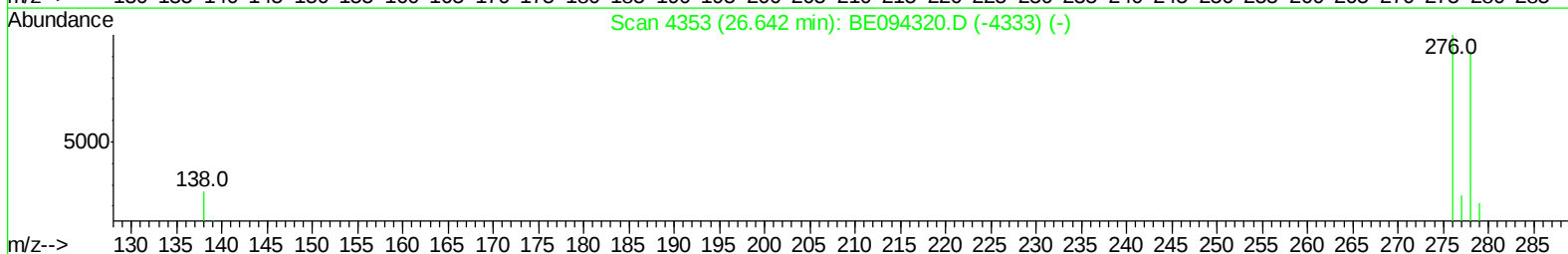
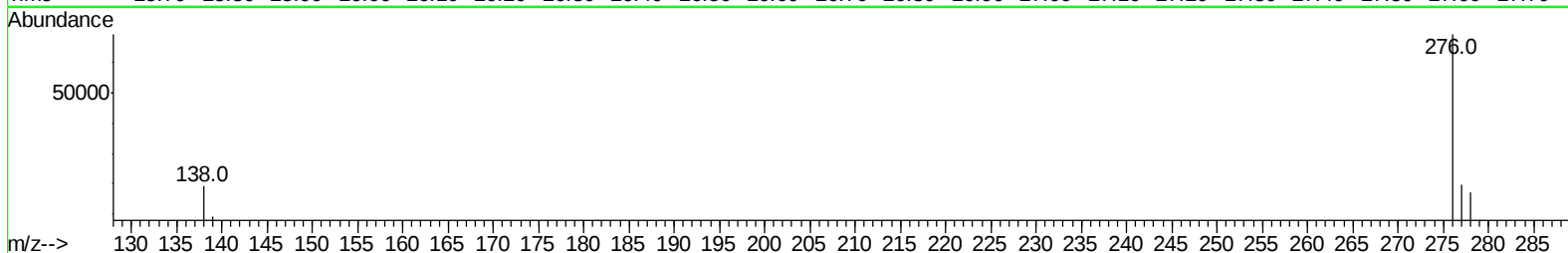
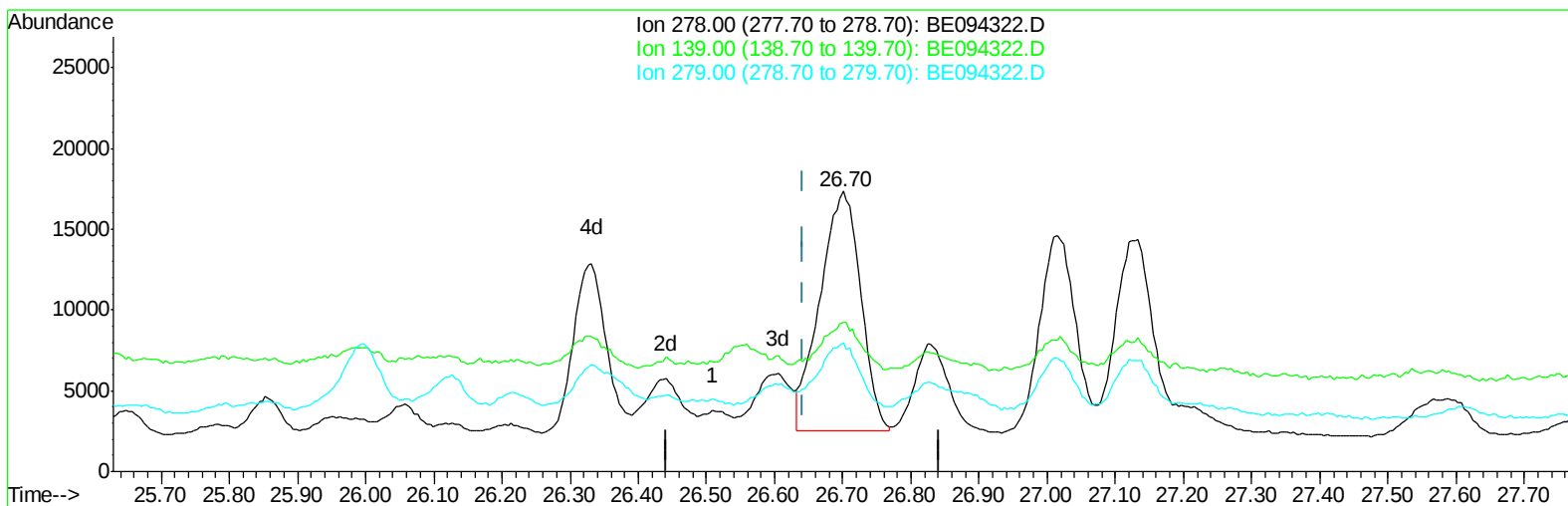
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE101317\  
Data File : BE094322.D  
Acq On : 13 Oct 2017 13:17  
Operator : SJ/JU  
Sample : I5533-01  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
B-56(1-2)-092717

Manual Integrations  
APPROVED

Sohil  
10/16/2017 8:22:36 PM

Quant Time: Oct 14 02:26:13 2017  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Oct 14 02:15:10 2017  
Response via : Initial Calibration



TIC: BE094322.D

(25) Dibenzo(a,h)anthracene

26.701min (+0.058) 2.21ng/ul m

response 61561

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 278.00 | 100   | 100    |
| 139.00 | 21.70 | 53.07# |
| 279.00 | 32.40 | 45.70# |
| 0.00   | 0.00  | 0.00   |

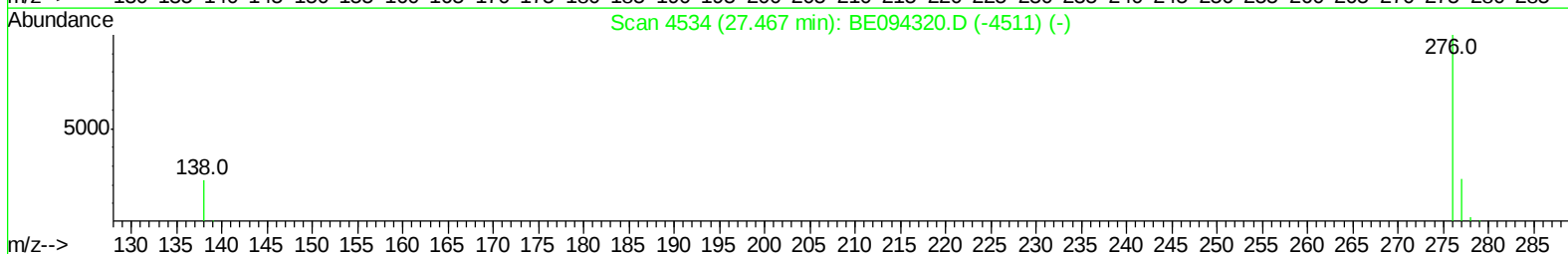
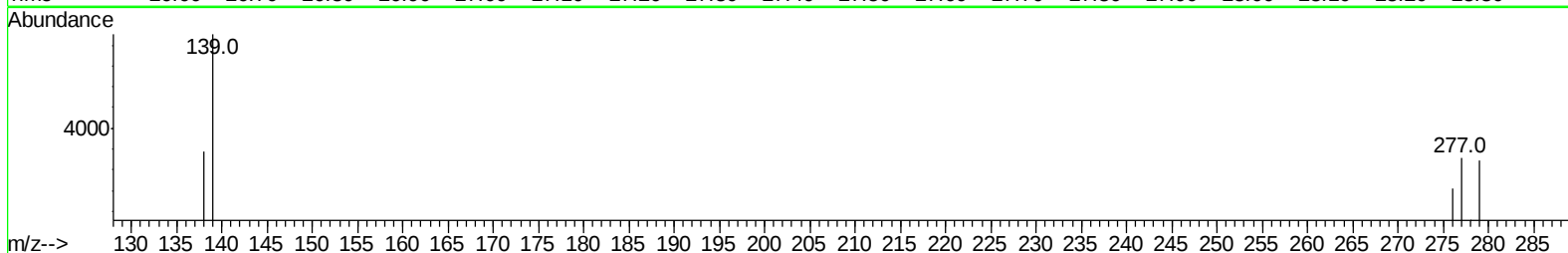
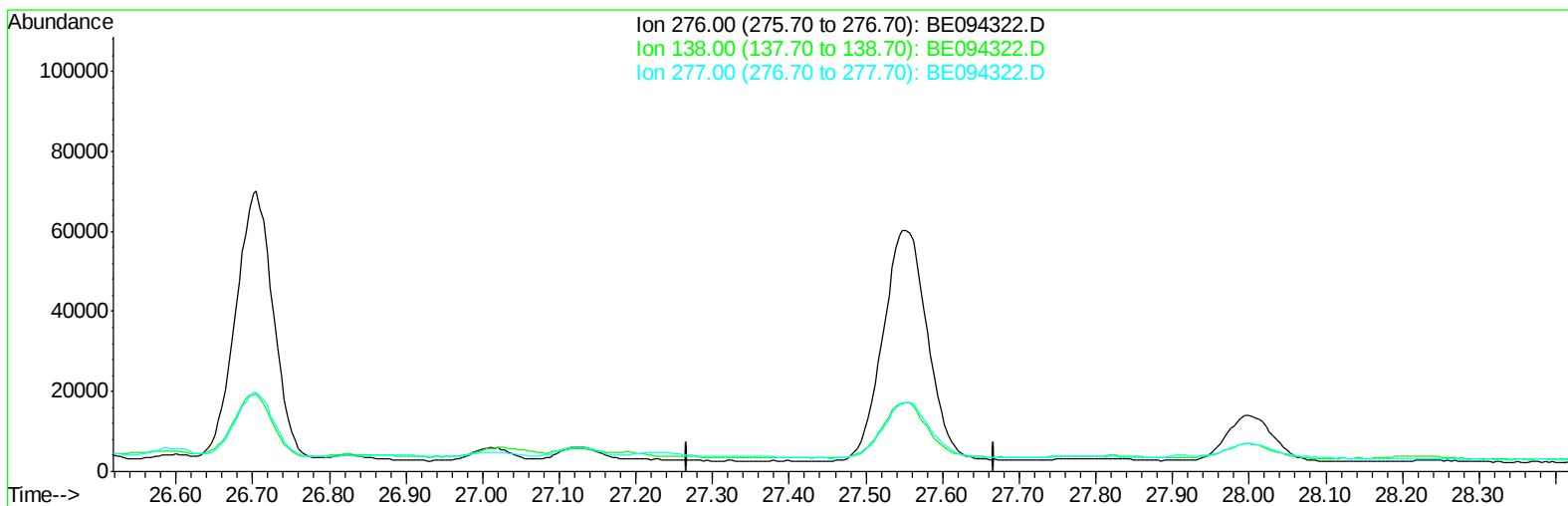
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE101317\  
Data File : BE094322.D  
Acq On : 13 Oct 2017 13:17  
Operator : SJ/JU  
Sample : I5533-01  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
B-56(1-2)-092717

Manual Integrations  
APPROVED

Sohil  
10/16/2017 8:22:36 PM

Quant Time: Oct 14 02:26:13 2017  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Oct 14 02:15:10 2017  
Response via : Initial Calibration



TIC: BE094322.D

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

27.467min (-27.467) 0.00ng/ul

response 0

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

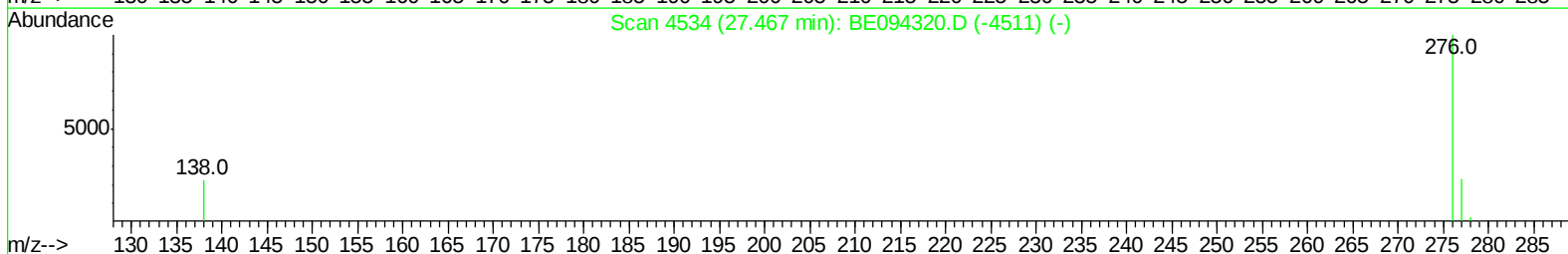
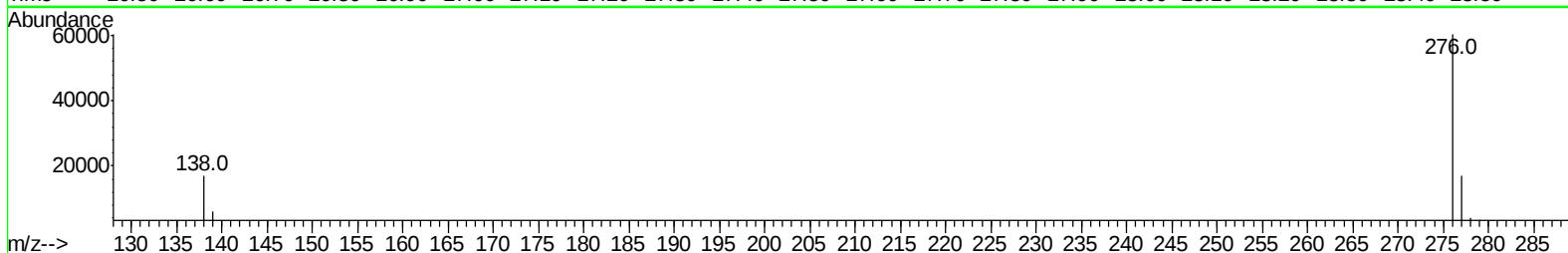
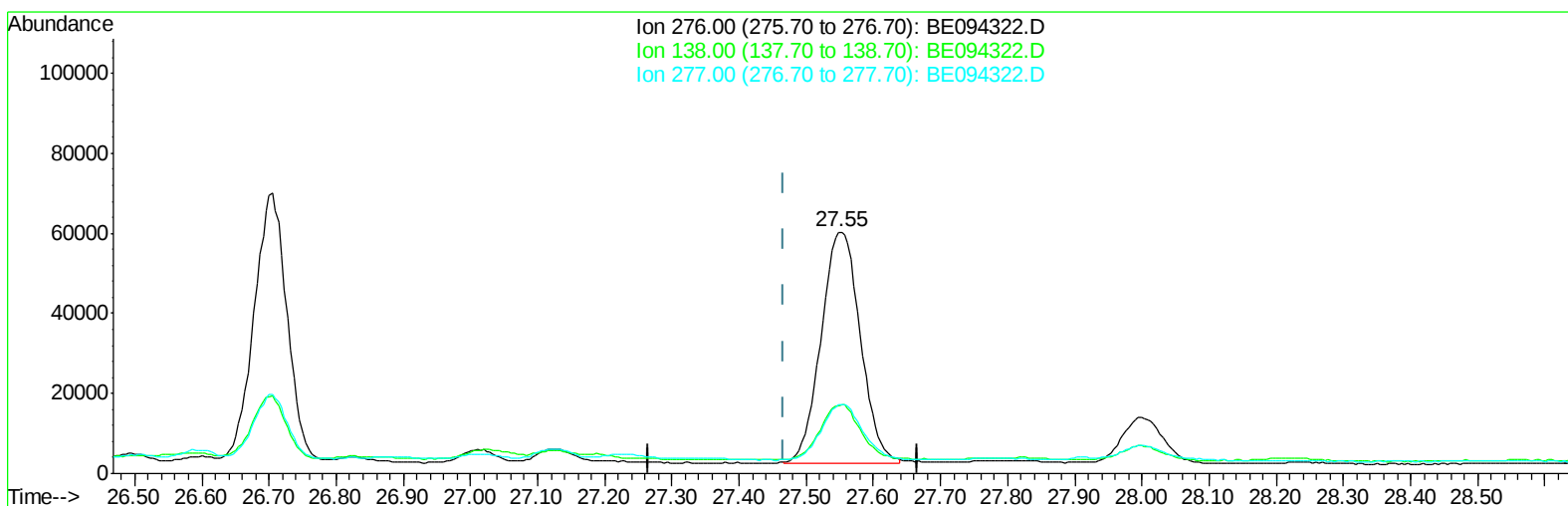
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE101317\  
Data File : BE094322.D  
Acq On : 13 Oct 2017 13:17  
Operator : SJ/JU  
Sample : I5533-01  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
B-56(1-2)-092717

Manual Integrations  
APPROVED

Sohil  
10/16/2017 8:22:36 PM

Quant Time: Oct 14 02:26:13 2017  
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TIC: BE094322.D

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

27.548min (+0.081) 8.22ng/ul m

response 235123

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 276.00 | 100   | 100   |
| 138.00 | 27.30 | 28.07 |
| 277.00 | 25.60 | 28.44 |
| 0.00   | 0.00  | 0.00  |

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE101317\  
 Data File : BE094322.D  
 Acq On : 13 Oct 2017 13:17  
 Operator : SJ/JU  
 Sample : I5533-01  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 B-56(1-2)-092717

Manual Integrations  
 APPROVED

Sohil  
 10/16/2017 8:22:36 PM

Quant Time: Oct 14 02:28:36 2017  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Oct 14 02:15:10 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.91  | 152  | 1867     | 0.40   | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.70 | 136  | 9404     | 0.40   | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.53 | 164  | 5736     | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.26 | 188  | 11714m   | 0.40   | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.43 | 240  | 10393    | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.98 | 264  | 11488m   | 0.40   | ng/ul  | 0.03     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.28 | 152  | 4151     | 0.28   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.29 | 212  | 9661     | 0.25   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          |        | Ovalue |          |
| 3) Naphthalene              | 10.75 | 128  | 115390   | 5.010  | ng/ul# | 91       |
| 5) 2-Methylnaphthalene      | 12.36 | 142  | 33948    | 2.272  | ng/ul  | 99       |
| 7) Acenaphthylene           | 14.25 | 152  | 16904    | 0.756  | ng/ul  | 96       |
| 8) Acenaphthene             | 14.59 | 153  | 9706     | 0.527  | ng/ul  | 97       |
| 9) Fluorene                 | 15.57 | 166  | 15147    | 0.703  | ng/ul  | 93       |
| 11) Pentachlorophenol       | 16.94 | 266  | 272      | 0.198  | ng/ul# | 81       |
| 12) Phenanthrene            | 17.29 | 178  | 344917   | 11.268 | ng/ul# | 84       |
| 13) Anthracene              | 17.39 | 178  | 94047    | 3.159  | ng/ul# | 93       |
| 15) Fluoranthene            | 19.32 | 202  | 724516   | 18.013 | ng/ul  | 84       |
| 17) Pyrene                  | 19.68 | 202  | 683529   | 23.638 | ng/ul# | 85       |
| 18) Benzo(a)anthracene      | 21.41 | 228  | 344696   | 12.502 | ng/ul# | 88       |
| 19) Chrysene                | 21.47 | 228  | 380063   | 11.937 | ng/ul  | 95       |
| 21) Benzo(b)fluoranthene    | 23.20 | 252  | 433644   | 13.896 | ng/ul  | 92       |
| 22) Benzo(k)fluoranthene    | 23.24 | 252  | 164990m  | 4.574  | ng/ul  |          |
| 23) Benzo(a)pyrene          | 23.87 | 252  | 307091m  | 9.470  | ng/ul  |          |
| 24) Indeno(1,2,3-cd)pyrene  | 26.71 | 276  | 224850m  | 6.778  | ng/ul  |          |
| 25) Dibenzo(a,h)anthracene  | 26.70 | 278  | 61561m   | 2.212  | ng/ul  |          |
| 26) Benzo(g,h,i)perylene    | 27.55 | 276  | 235123m  | 8.217  | ng/ul  |          |

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

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