

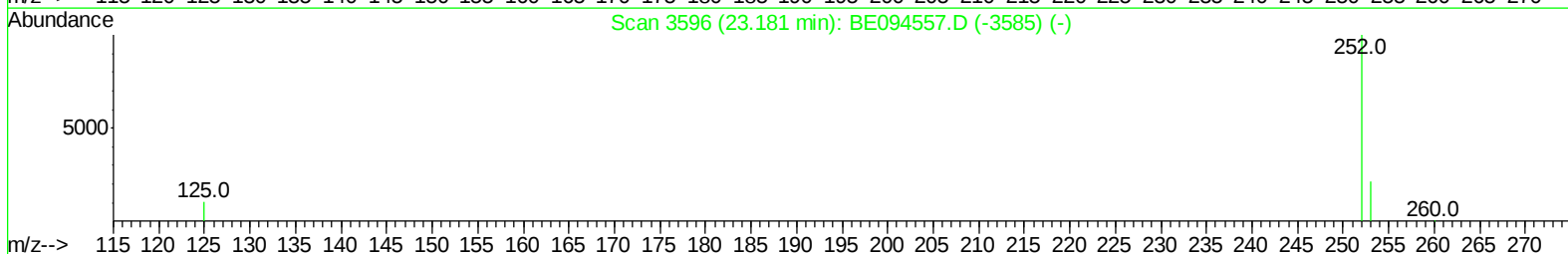
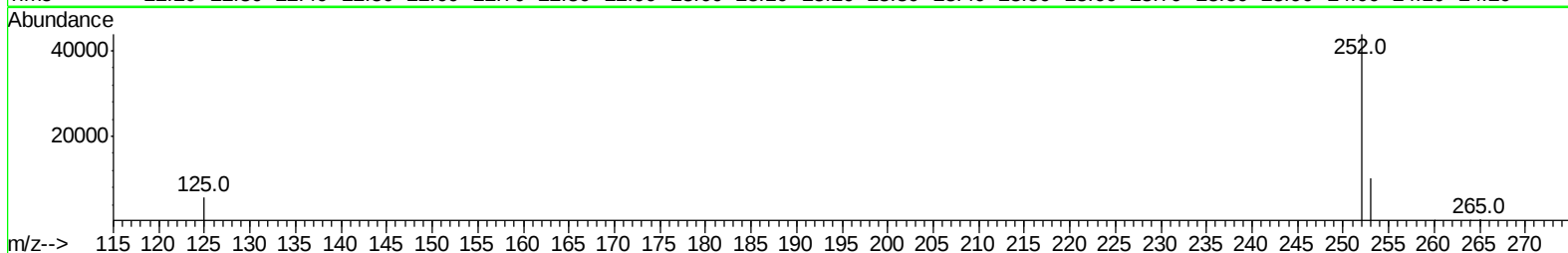
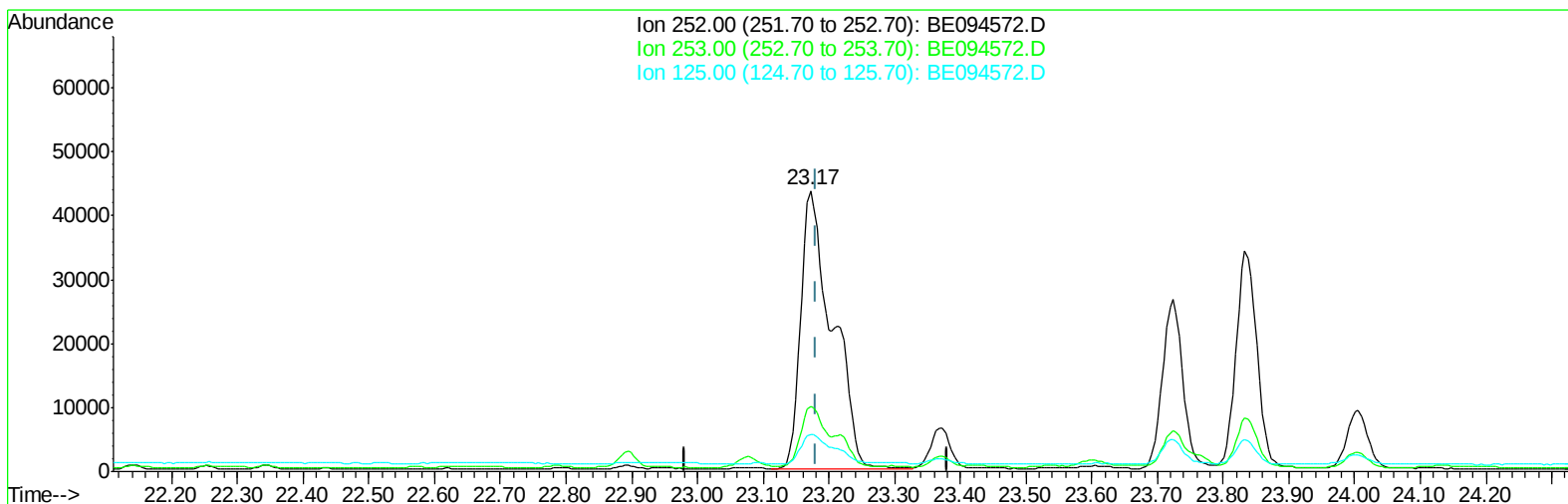
Data Path : Z:\HPCHEM1\BNA E\DATA\BE102617\  
Data File : BE094572.D  
Acq On : 26 Oct 2017 21:05  
Operator : SJ/JU  
Sample : I5876-14 5X  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
B-66(2.5-4.5) 101017

Manual Integrations  
APPROVED

Sohil  
10/27/2017 5:35:40 PM

Quant Time: Oct 27 07:42:37 2017  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Oct 27 04:05:19 2017  
Response via : Initial Calibration



TIC: BE094572.D

(21) Benzo(b)fluoranthene  
23.172min (-0.009) 5.35ng/ul  
response 143829

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 32.10 | 23.30 |
| 125.00 | 17.50 | 13.22 |
| 0.00   | 0.00  | 0.00  |

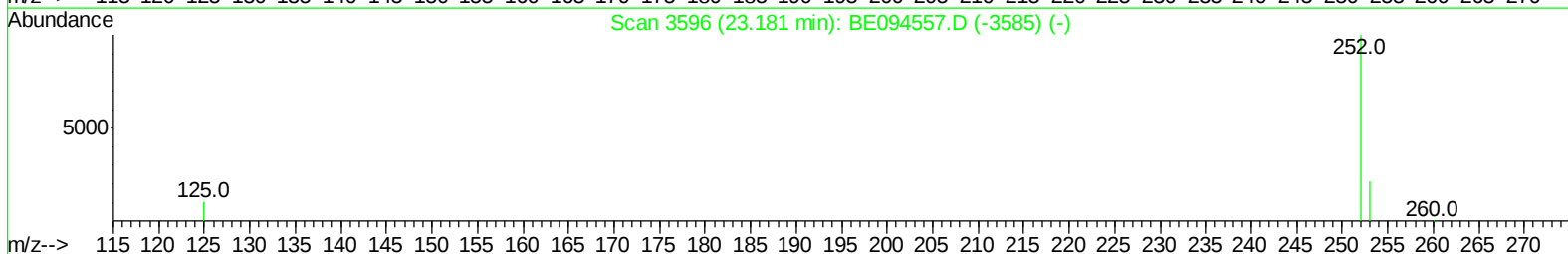
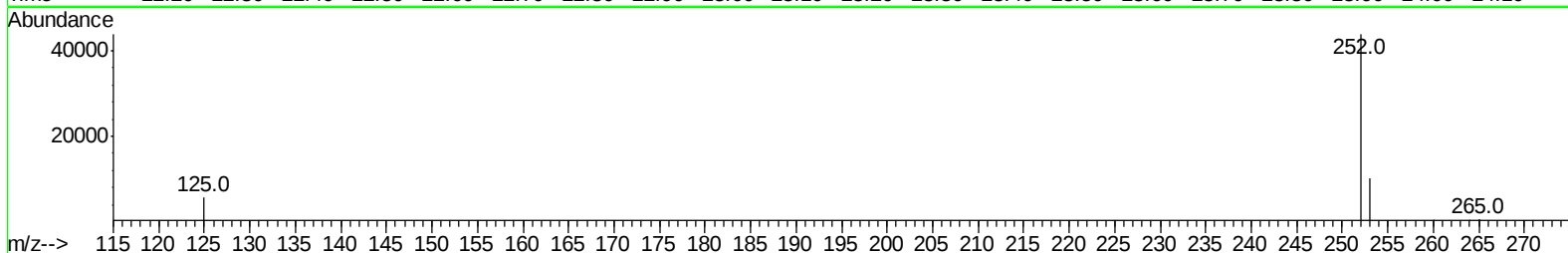
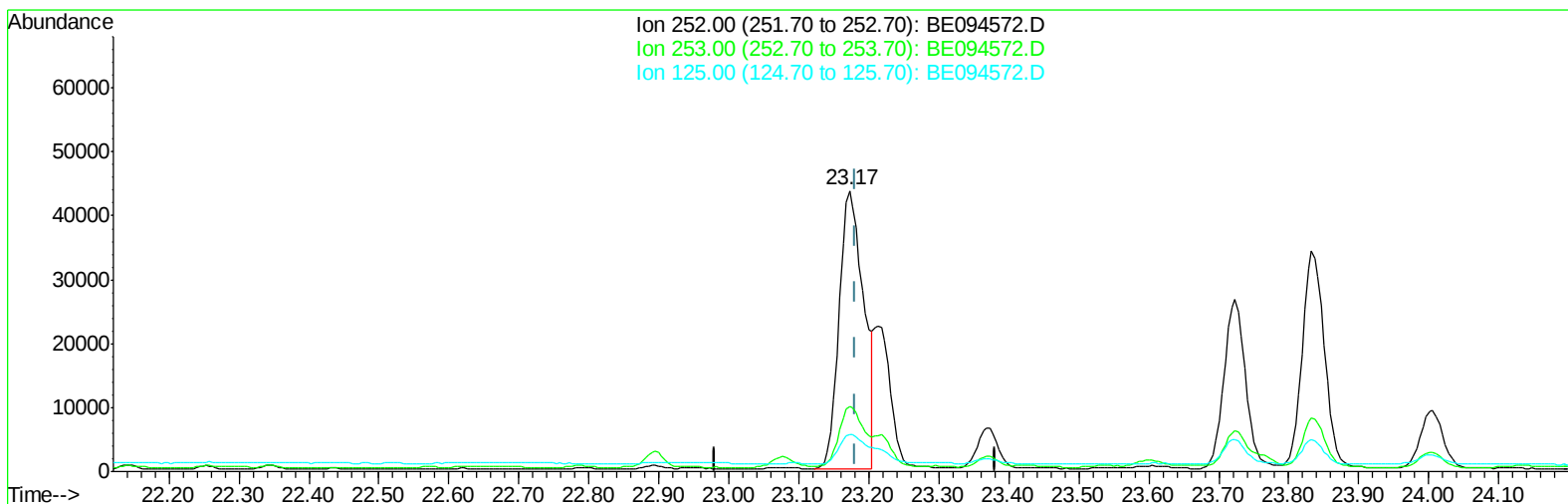
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Data File : BE094572.D  
Acq On : 26 Oct 2017 21:05  
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TIC: BE094572.D

(21) Benzo(b)fluoranthene

23.172min (-0.009) 4.00ng/ul m

response 107500

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 32.10 | 23.30 |
| 125.00 | 17.50 | 13.22 |
| 0.00   | 0.00  | 0.00  |

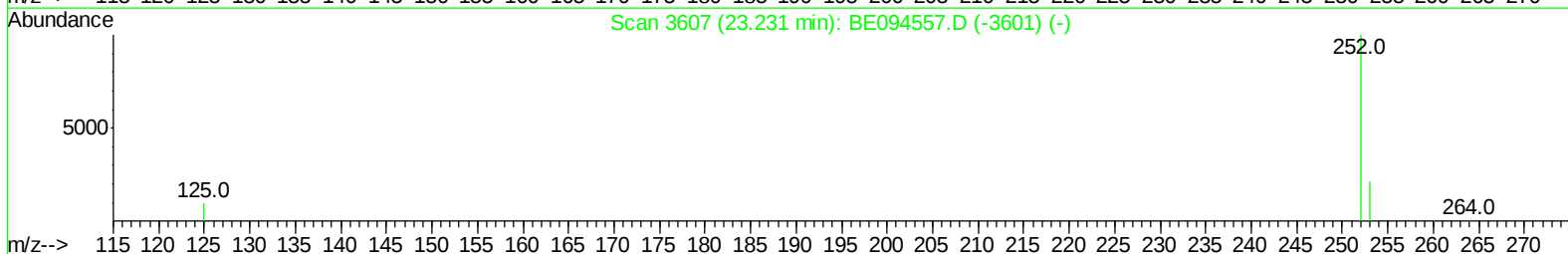
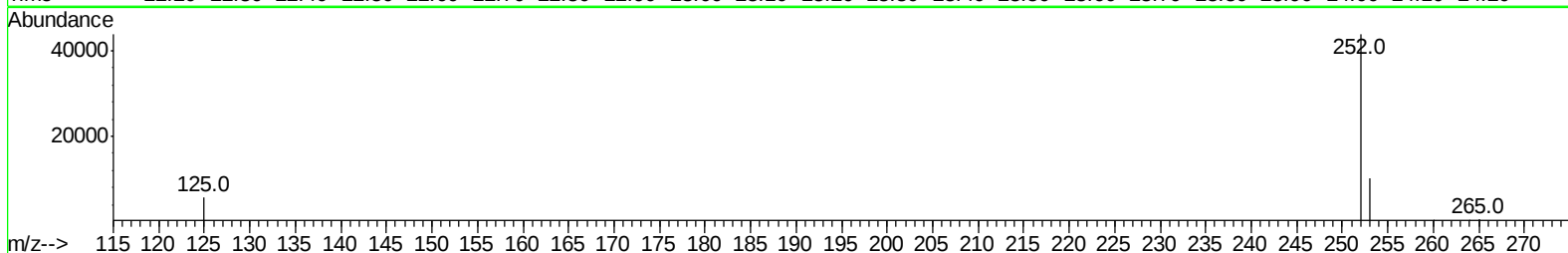
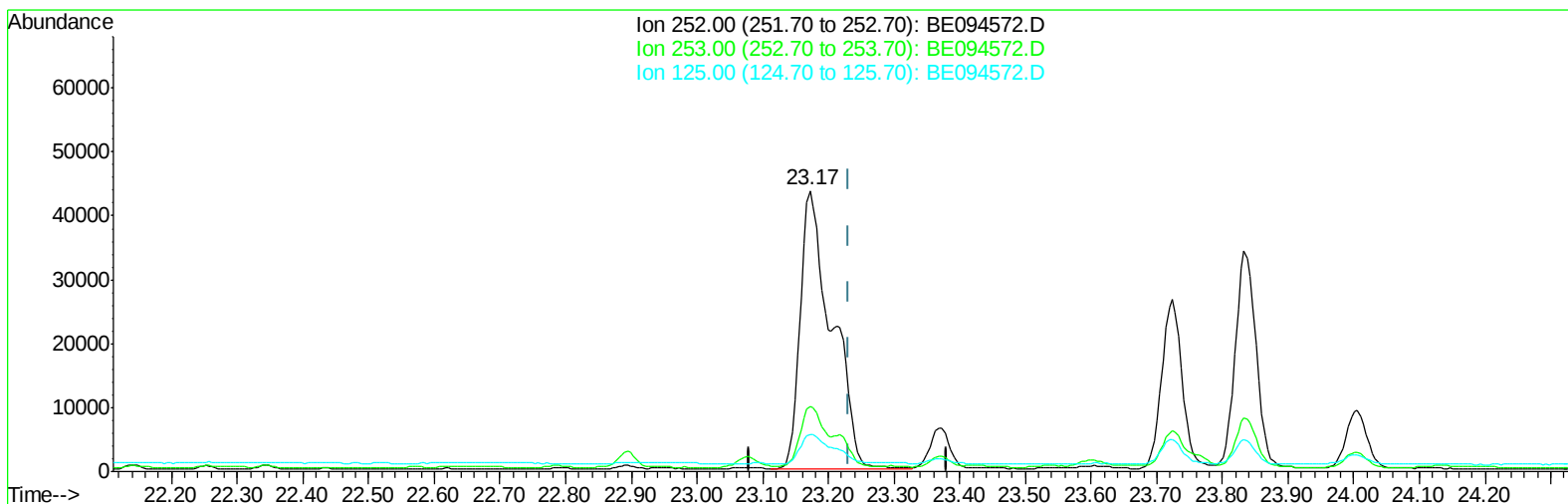
Data Path : Z:\HPCHEM1\BNA E\DATA\BE102617\  
Data File : BE094572.D  
Acq On : 26 Oct 2017 21:05  
Operator : SJ/JU  
Sample : I5876-14 5X  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
B-66(2.5-4.5) 101017

Manual Integrations  
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10/27/2017 5:35:40 PM

Quant Time: Oct 27 07:42:37 2017  
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TIC: BE094572.D

(22) Benzo(k)fluoranthene

23.172min (-0.059) 4.99ng/ul

response 143829

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 30.60 | 23.30# |
| 125.00 | 17.10 | 13.22# |
| 0.00   | 0.00  | 0.00   |

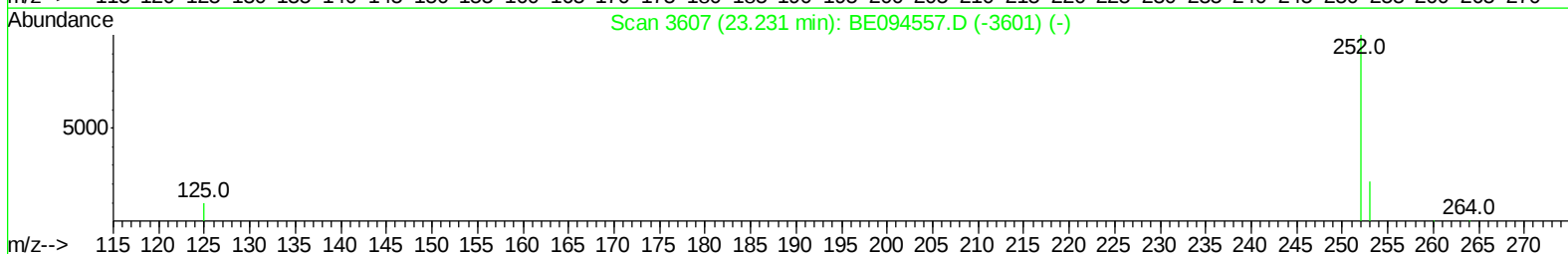
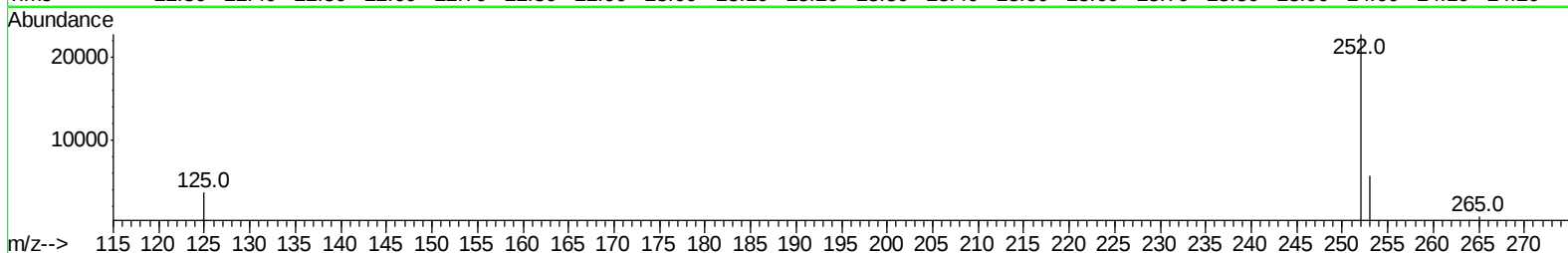
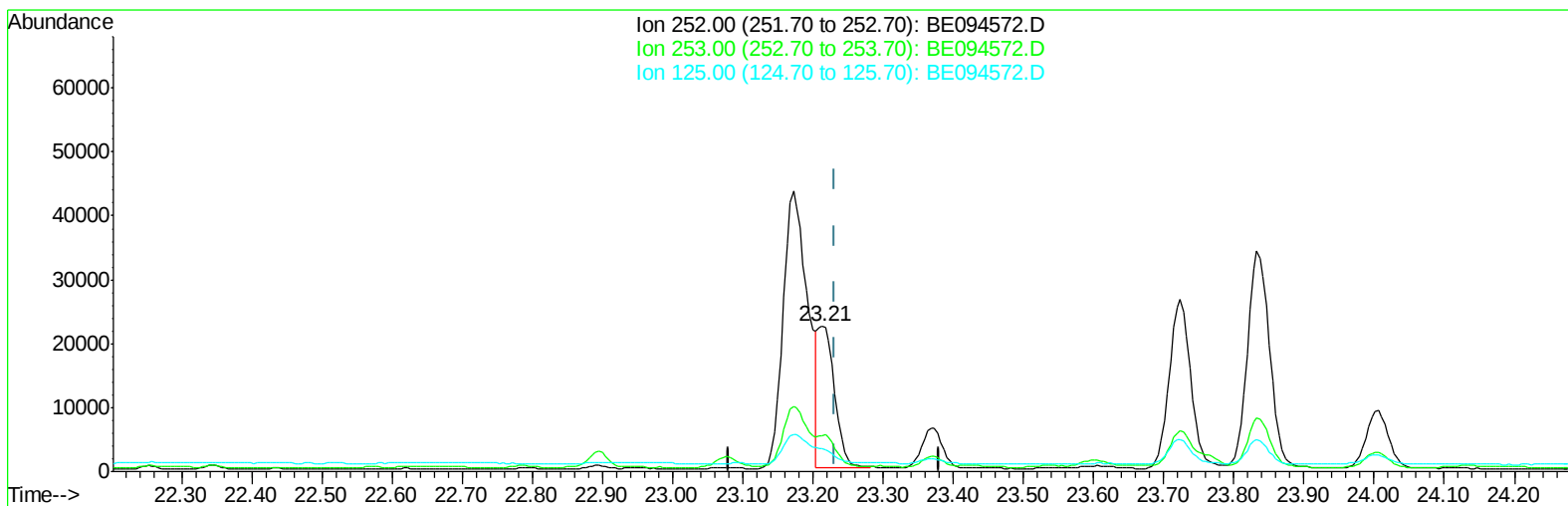
Data Path : Z:\HPCHEM1\BNA E\DATA\BE102617\  
Data File : BE094572.D  
Acq On : 26 Oct 2017 21:05  
Operator : SJ/JU  
Sample : I5876-14 5X  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
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Manual Integrations  
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Response via : Initial Calibration



TIC: BE094572.D

(22) Benzo(k)fluoranthene

23.213min (-0.018) 1.25ng/ul m

response 36051

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 30.60 | 25.07 |
| 125.00 | 17.10 | 16.05 |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102617\  
 Data File : BE094572.D  
 Acq On : 26 Oct 2017 21:05  
 Operator : SJ/JU  
 Sample : I5876-14 5X  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 B-66(2.5-4.5) 101017

Manual Integrations  
 APPROVED

Sohil  
 10/27/2017 5:35:40 PM

Quant Time: Oct 27 08:57:51 2017  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 27 04:05:19 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.90  | 152  | 1208     | 0.40   | ng/ul  | -0.01    |
| 2) Naphthalene-d8           | 10.69 | 136  | 6916     | 0.40   | ng/ul  | -0.01    |
| 6) Acenaphthene-d10         | 14.51 | 164  | 3987     | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.26 | 188  | 8943     | 0.40   | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.42 | 240  | 9222     | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.95 | 264  | 9554     | 0.40   | ng/ul  | -0.01    |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.28 | 152  | 702      | 0.06   | ng/ul  | -0.01    |
| 14) Fluoranthene-d10        | 19.28 | 212  | 1787     | 0.07   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 3) Naphthalene              | 10.74 | 128  | 4245     | 0.251  | ng/ul# | 96       |
| 5) 2-Methylnaphthalene      | 12.35 | 142  | 1036     | 0.088  | ng/ul  | 97       |
| 7) Acenaphthylene           | 14.23 | 152  | 3371     | 0.187  | ng/ul  | 99       |
| 8) Acenaphthene             | 14.57 | 153  | 1188     | 0.092  | ng/ul# | 95       |
| 9) Fluorene                 | 15.57 | 166  | 3005     | 0.206  | ng/ul  | 95       |
| 12) Phenanthrene            | 17.29 | 178  | 62559    | 2.648  | ng/ul# | 91       |
| 13) Anthracene              | 17.38 | 178  | 11997    | 0.515  | ng/ul# | 91       |
| 15) Fluoranthene            | 19.31 | 202  | 155852   | 5.707  | ng/ul  | 83       |
| 17) Pyrene                  | 19.67 | 202  | 149605   | 5.248  | ng/ul# | 80       |
| 18) Benzo(a)anthracene      | 21.40 | 228  | 71029    | 2.694  | ng/ul# | 86       |
| 19) Chrysene                | 21.46 | 228  | 82425    | 3.025  | ng/ul  | 99       |
| 21) Benzo(b)fluoranthene    | 23.17 | 252  | 107500m  | 4.000  | ng/ul  |          |
| 22) Benzo(k)fluoranthene    | 23.21 | 252  | 36051m   | 1.252  | ng/ul  |          |
| 23) Benzo(a)pyrene          | 23.83 | 252  | 74945    | 2.790  | ng/ul# | 82       |
| 24) Indeno(1,2,3-cd)pyrene  | 26.64 | 276  | 52475    | 1.888  | ng/ul# | 75       |
| 25) Dibenzo(a,h)anthracene  | 26.64 | 278  | 12597    | 0.538  | ng/ul# | 93       |
| 26) Benzo(a,h,i)perylene    | 27.47 | 276  | 42556    | 1.907  | ng/ul  | 97       |

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

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