

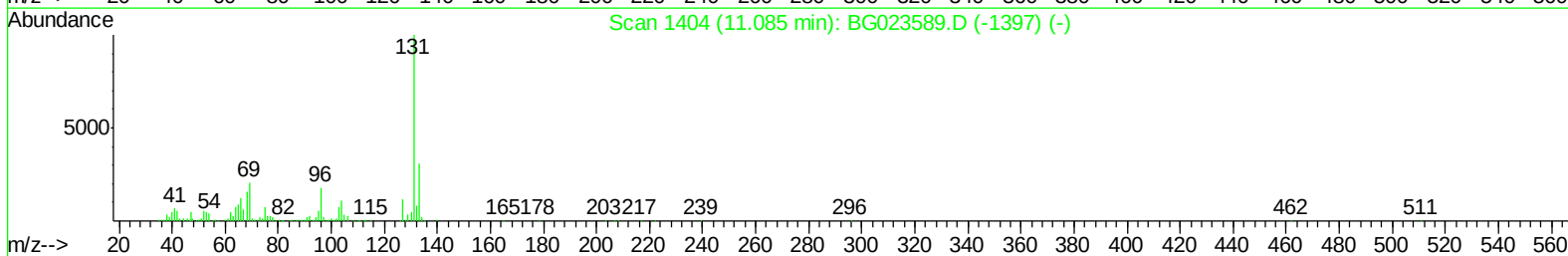
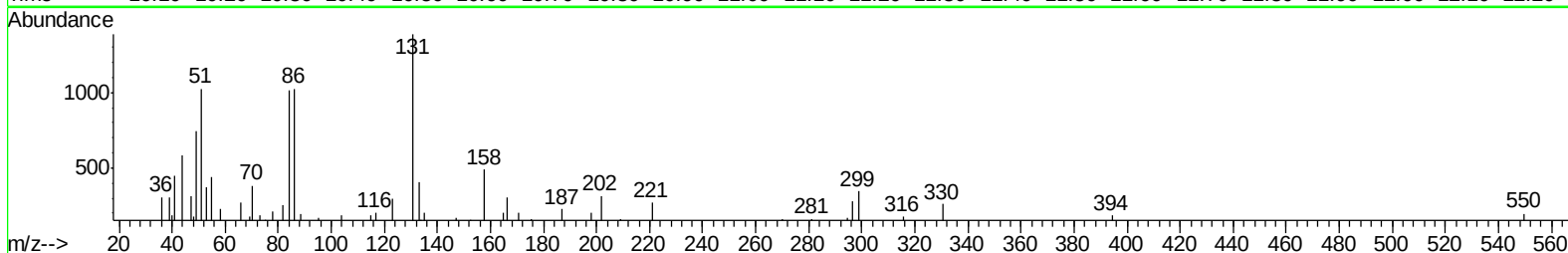
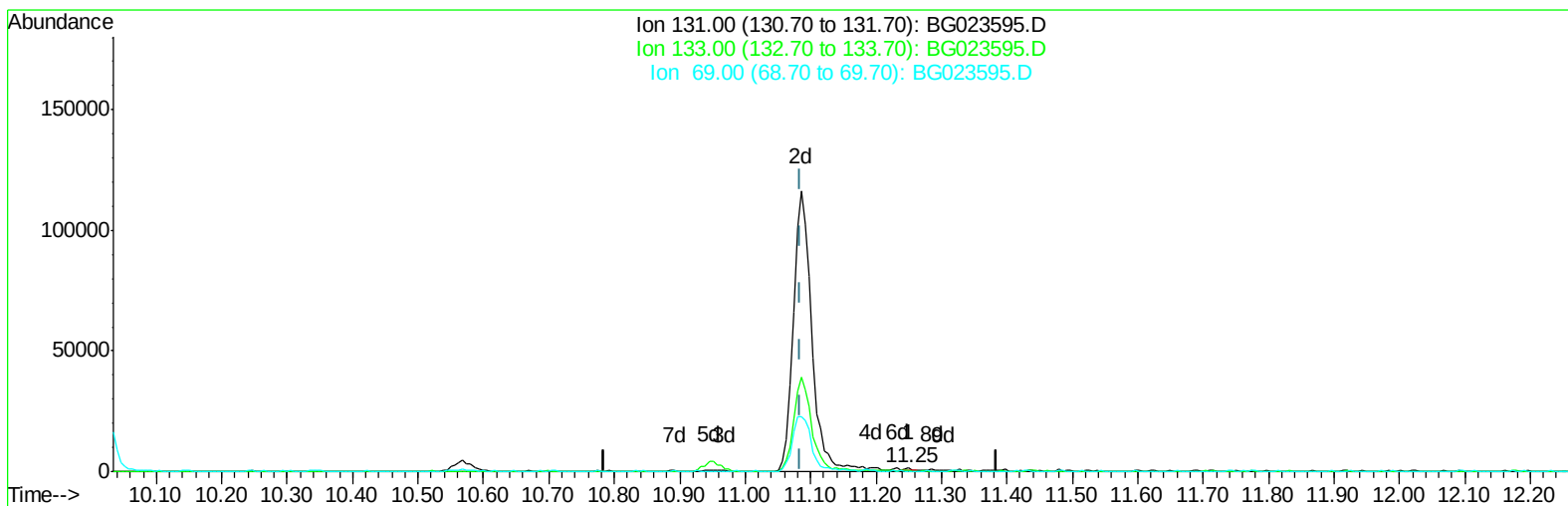
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG081016\  
Data File : BG023595.D  
Acq On : 10 Aug 2016 16:54  
Operator : UM/SJ  
Sample : H4360-05  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
PR001-SS002-0206-01

Quant Time: Aug 11 03:58:54 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080416.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Aug 11 03:58:16 2016  
Response via : Initial Calibration

Manual Integrations  
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TIC: BG023595.D

(29) 4-Chloroaniline-d4 (S)

11.250min (+0.166) 0.04ng/ul

response 604

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 131.00 | 100   | 100   |
| 133.00 | 33.10 | 29.39 |
| 69.00  | 15.40 | 12.82 |
| 0.00   | 0.00  | 0.00  |

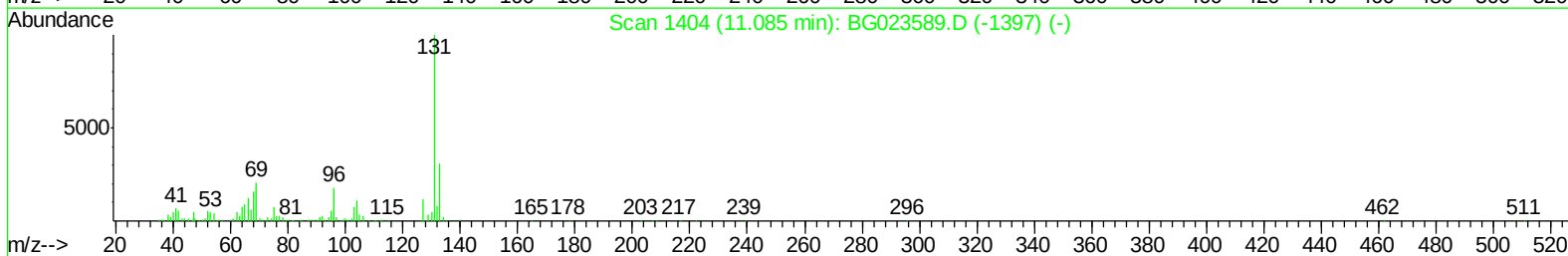
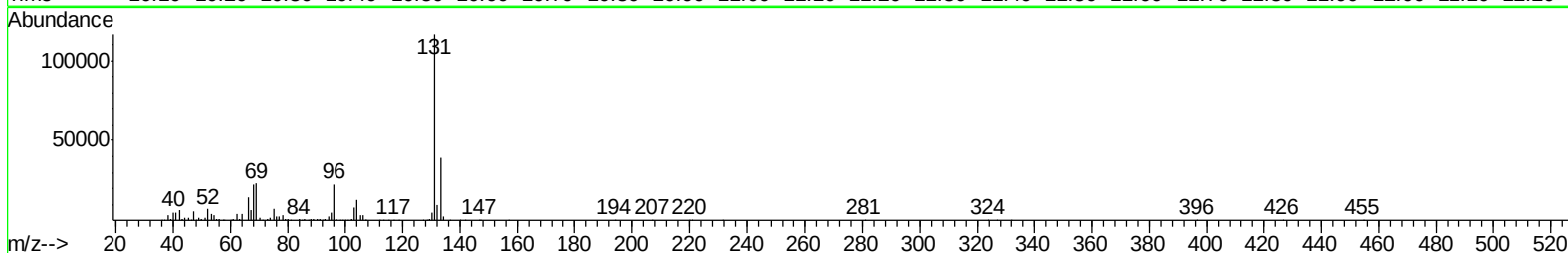
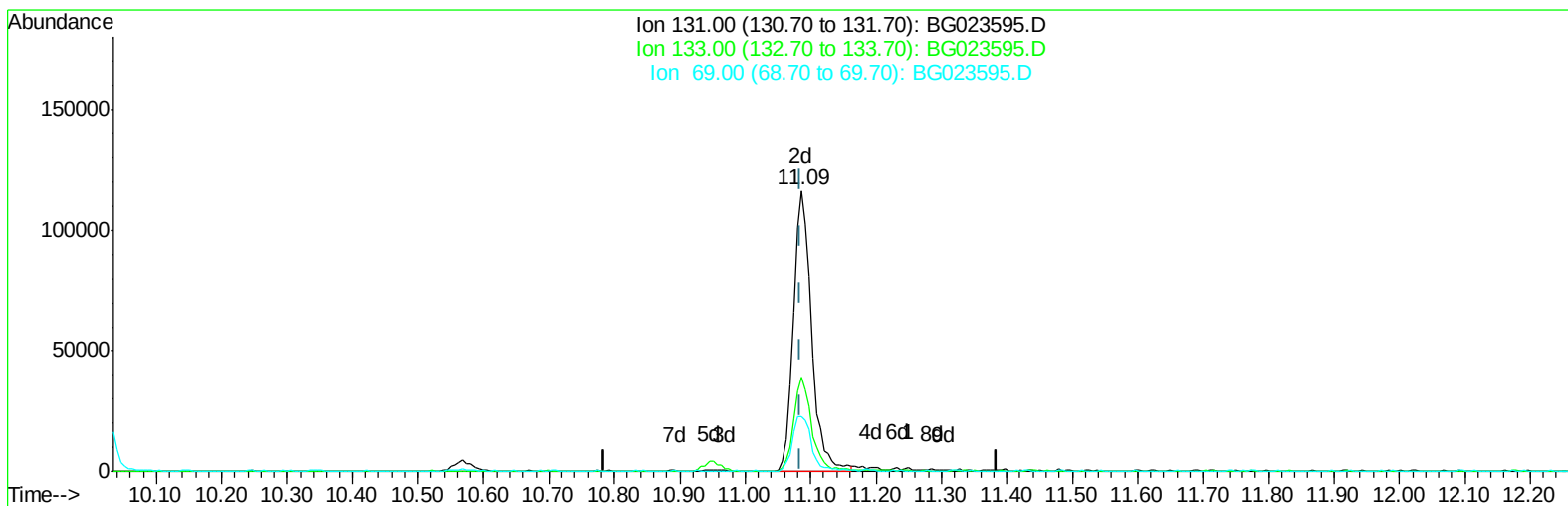
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG081016\  
Data File : BG023595.D  
Acq On : 10 Aug 2016 16:54  
Operator : UM/SJ  
Sample : H4360-05  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
PR001-SS002-0206-01

Manual Integrations  
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Quant Time: Aug 11 03:58:54 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080416.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Aug 11 03:58:16 2016  
Response via : Initial Calibration



TIC: BG023595.D

(29) 4-Chloroaniline-d4 (S)

11.086min (+0.001) 14.80ng/ul m

response 226051

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 131.00 | 100   | 100    |
| 133.00 | 33.10 | 33.52  |
| 69.00  | 15.40 | 19.69# |
| 0.00   | 0.00  | 0.00   |

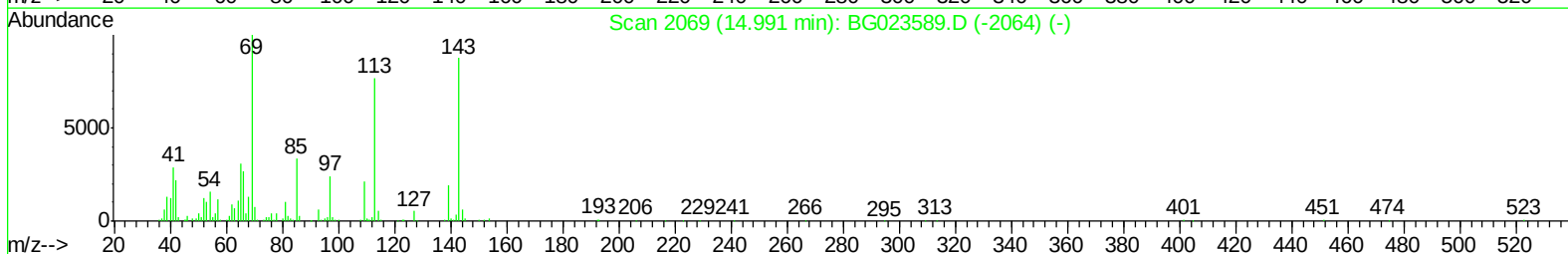
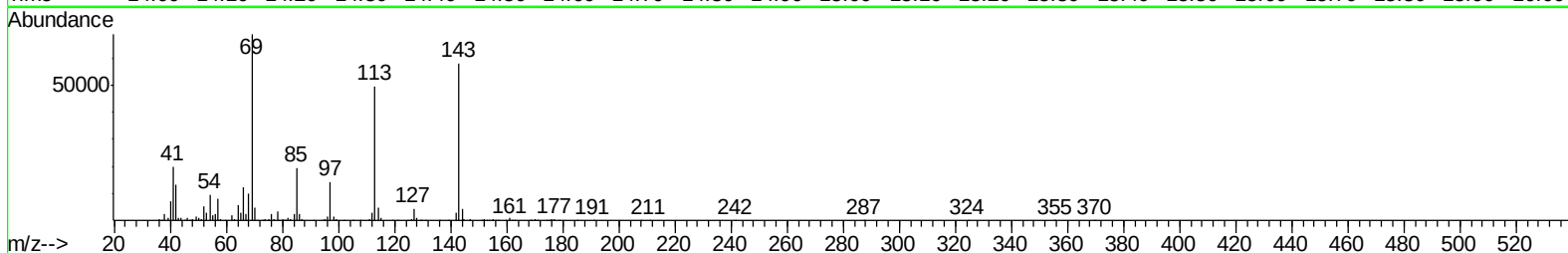
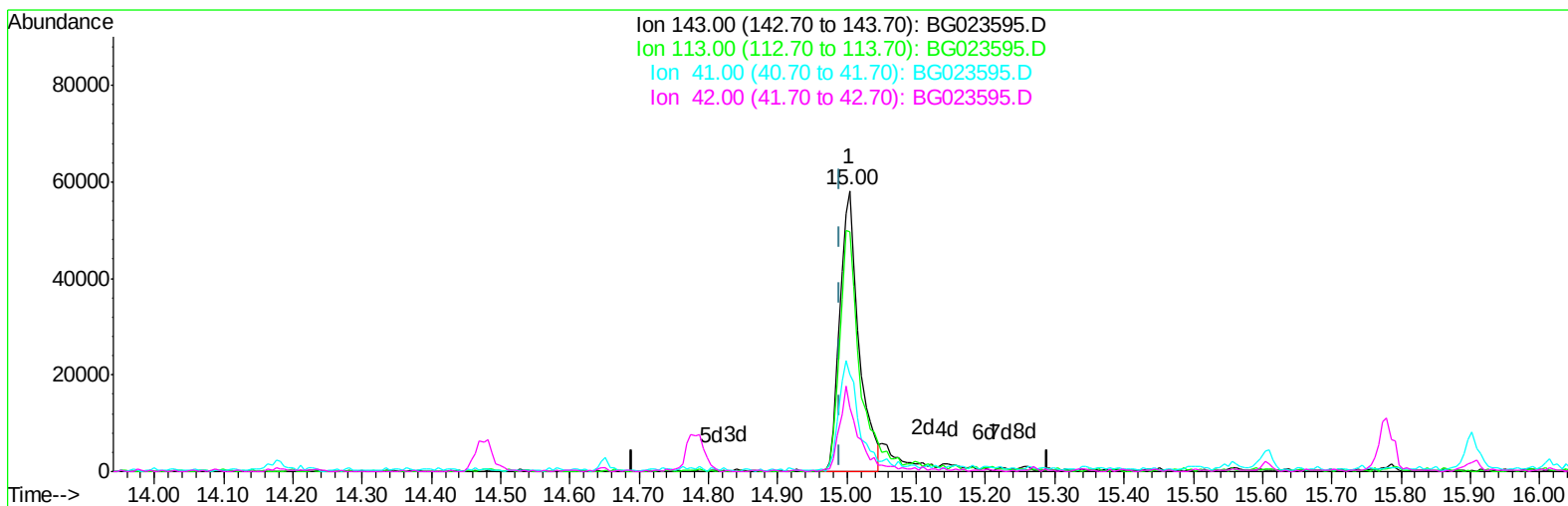
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG081016\  
Data File : BG023595.D  
Acq On : 10 Aug 2016 16:54  
Operator : UM/SJ  
Sample : H4360-05  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
PR001-SS002-0206-01

Quant Time: Aug 11 03:58:54 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080416.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Aug 11 03:58:16 2016  
Response via : Initial Calibration

Manual Integrations  
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TIC: BG023595.D

(51) 4-Nitrophenol-d4 (S)

15.004min (+0.013) 15.30ng/ul

response 111269

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 143.00 | 100   | 100    |
| 113.00 | 53.50 | 85.51# |
| 41.00  | 26.90 | 34.38# |
| 42.00  | 16.10 | 22.96# |

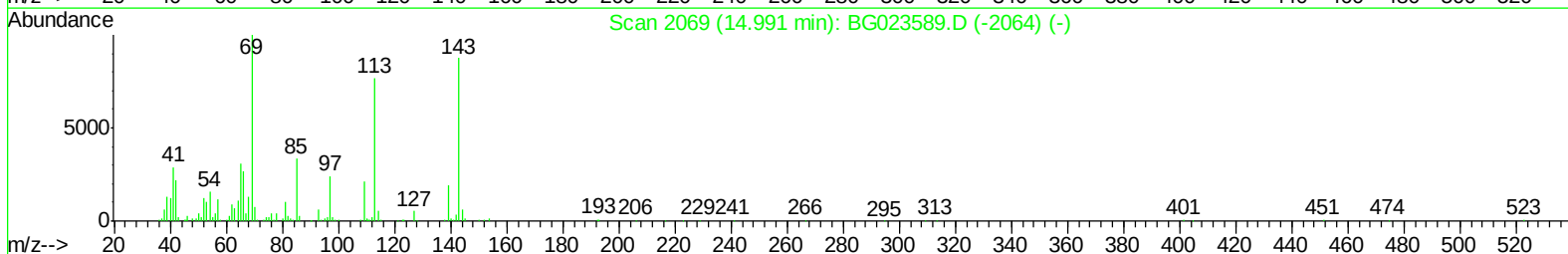
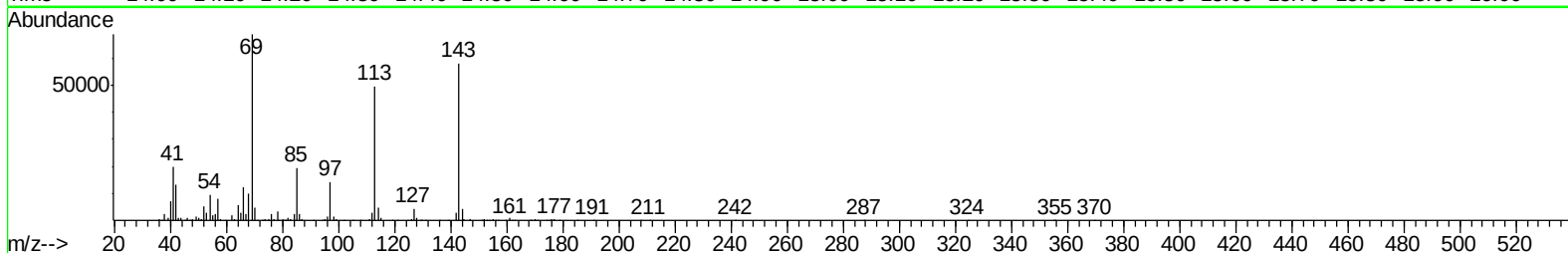
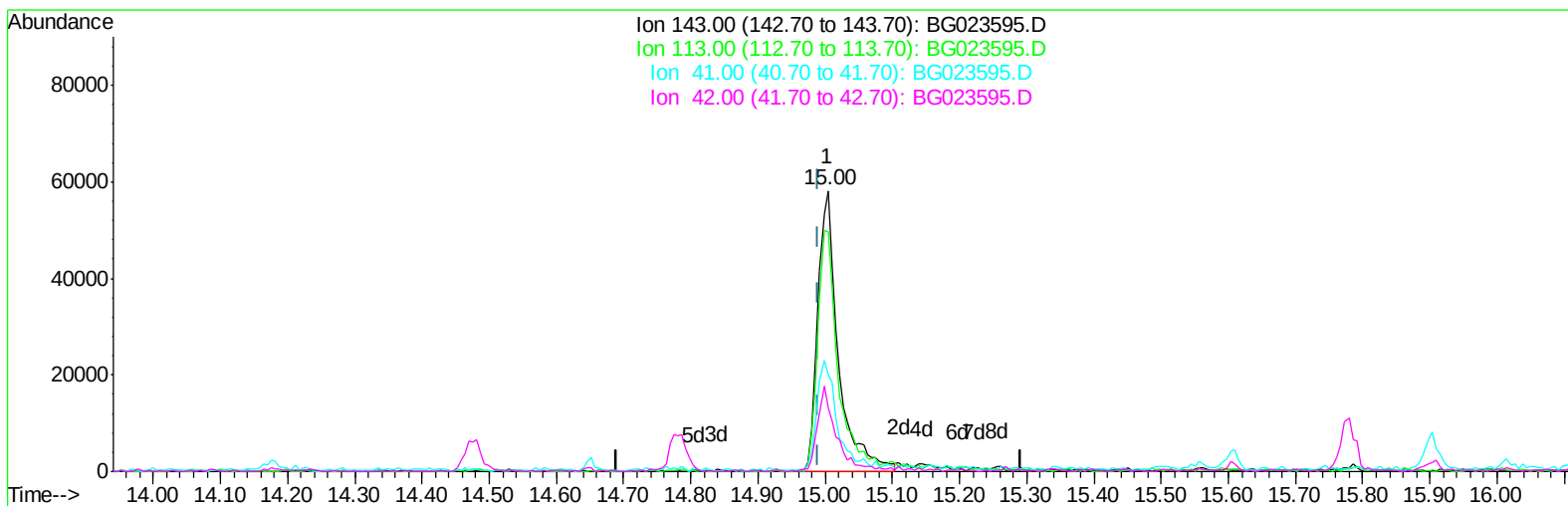
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG081016\  
Data File : BG023595.D  
Acq On : 10 Aug 2016 16:54  
Operator : UM/SJ  
Sample : H4360-05  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
PR001-SS002-0206-01

Quant Time: Aug 11 03:58:54 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080416.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Aug 11 03:58:16 2016  
Response via : Initial Calibration

Manual Integrations  
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TIC: BG023595.D

(51) 4-Nitrophenol-d4 (S)

15.004min (+0.013) 16.74ng/ul m

response 121672

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 143.00 | 100   | 100    |
| 113.00 | 53.50 | 85.51# |
| 41.00  | 26.90 | 34.38# |
| 42.00  | 16.10 | 22.96# |

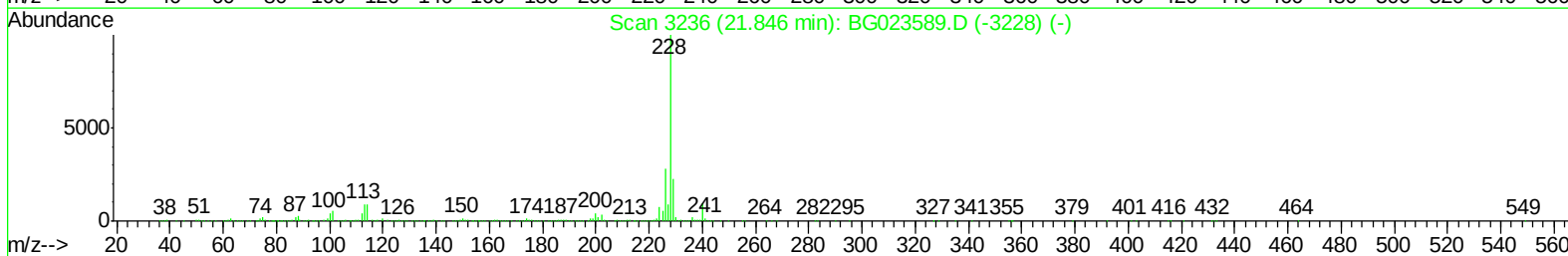
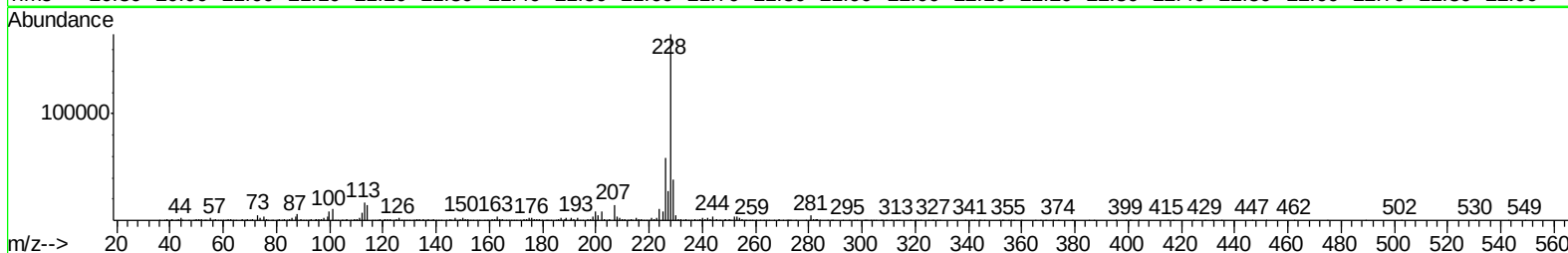
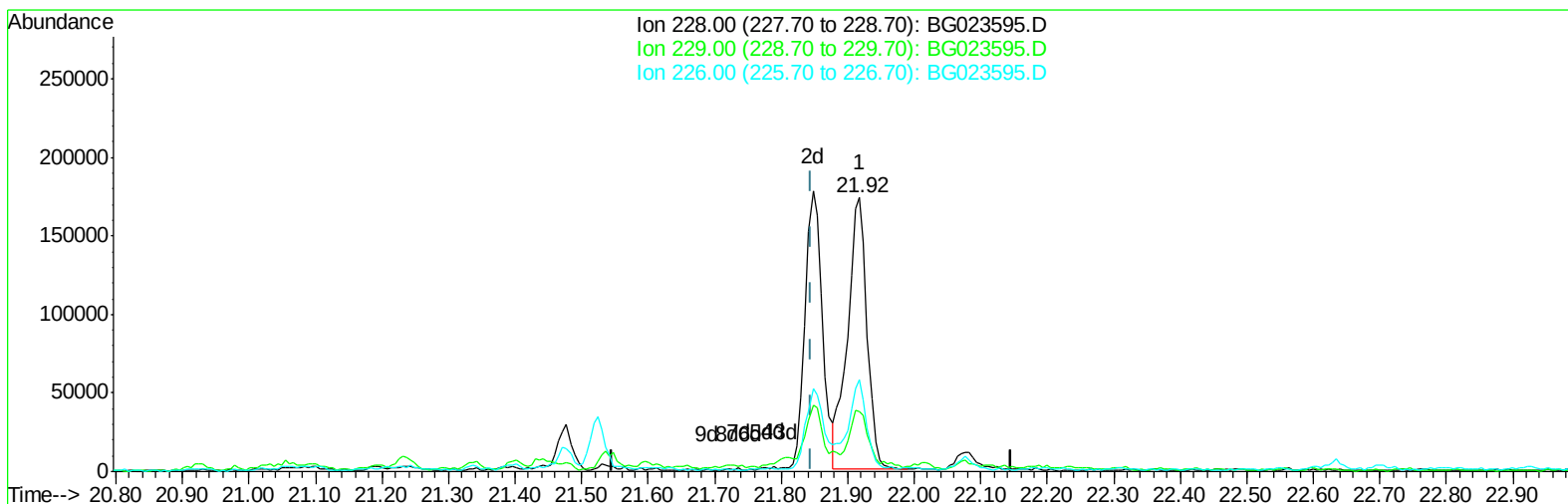
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG081016\  
Data File : BG023595.D  
Acq On : 10 Aug 2016 16:54  
Operator : UM/SJ  
Sample : H4360-05  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
PR001-SS002-0206-01

Manual Integrations  
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Quant Time: Aug 11 03:58:54 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080416.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Aug 11 03:58:16 2016  
Response via : Initial Calibration



TIC: BG023595.D

(80) Benzo(a)anthracene  
21.918min (+0.072) 5.09ng/ul  
response 352290

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 228.00 | 100   | 100   |
| 229.00 | 19.30 | 21.87 |
| 226.00 | 28.50 | 33.49 |
| 0.00   | 0.00  | 0.00  |

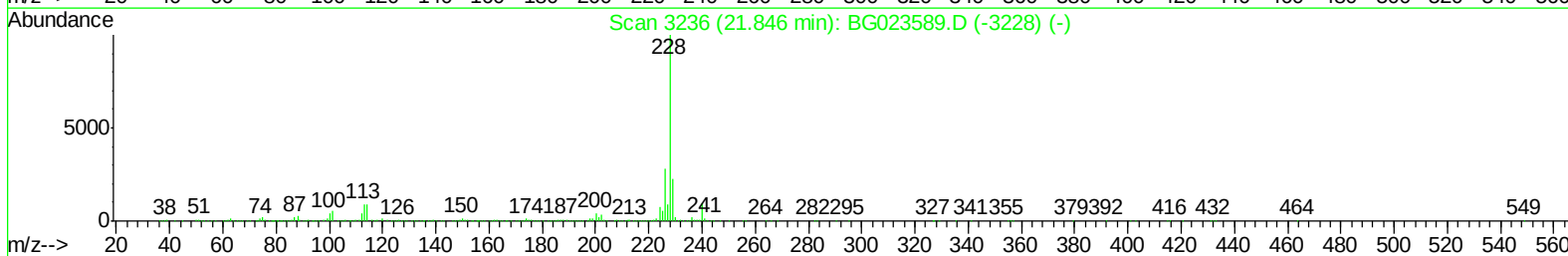
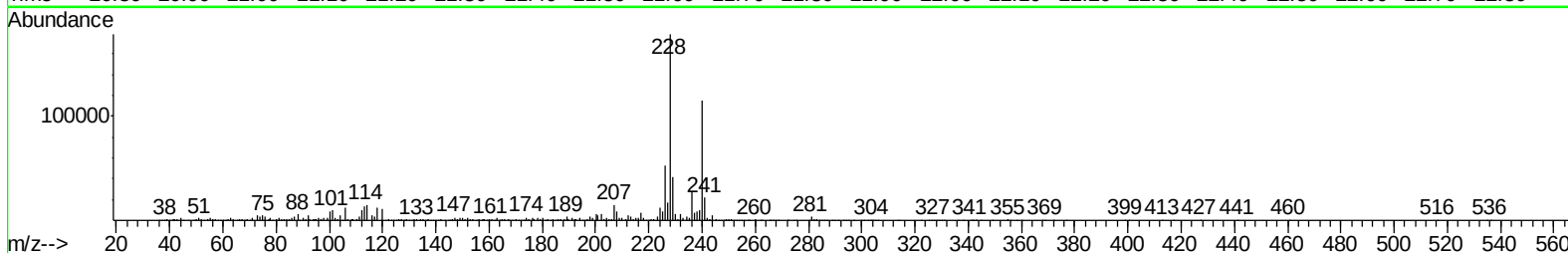
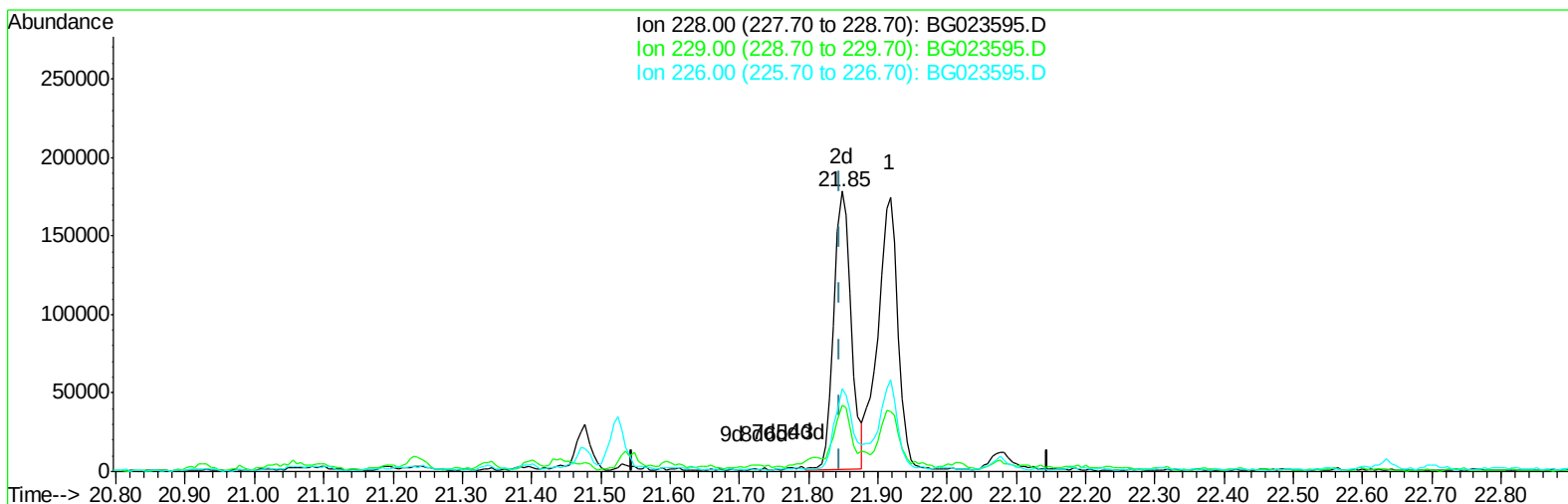
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG081016\  
Data File : BG023595.D  
Acq On : 10 Aug 2016 16:54  
Operator : UM/SJ  
Sample : H4360-05  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
PR001-SS002-0206-01

Manual Integrations  
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Quant Time: Aug 11 03:58:54 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080416.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Aug 11 03:58:16 2016  
Response via : Initial Calibration



TIC: BG023595.D

(80) Benzo(a)anthracene

21.848min (+0.001) 4.51ng/ul m

response 312203

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 228.00 | 100   | 100    |
| 229.00 | 19.30 | 23.63# |
| 226.00 | 28.50 | 29.77  |
| 0.00   | 0.00  | 0.00   |

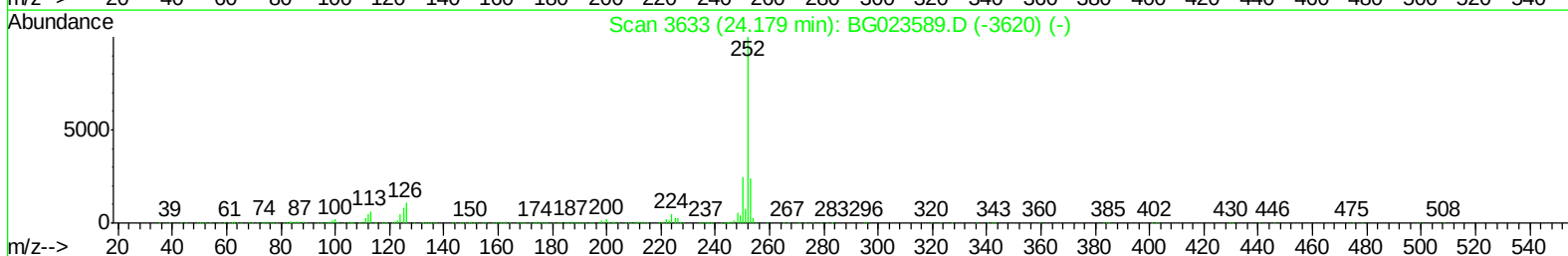
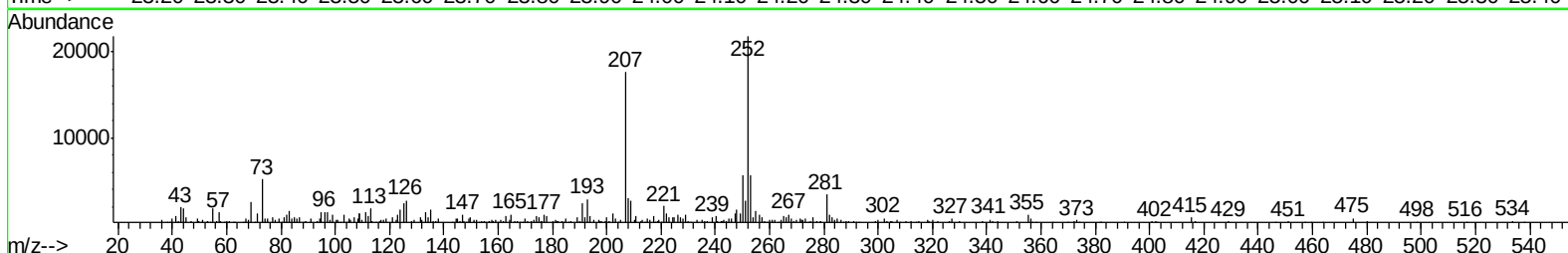
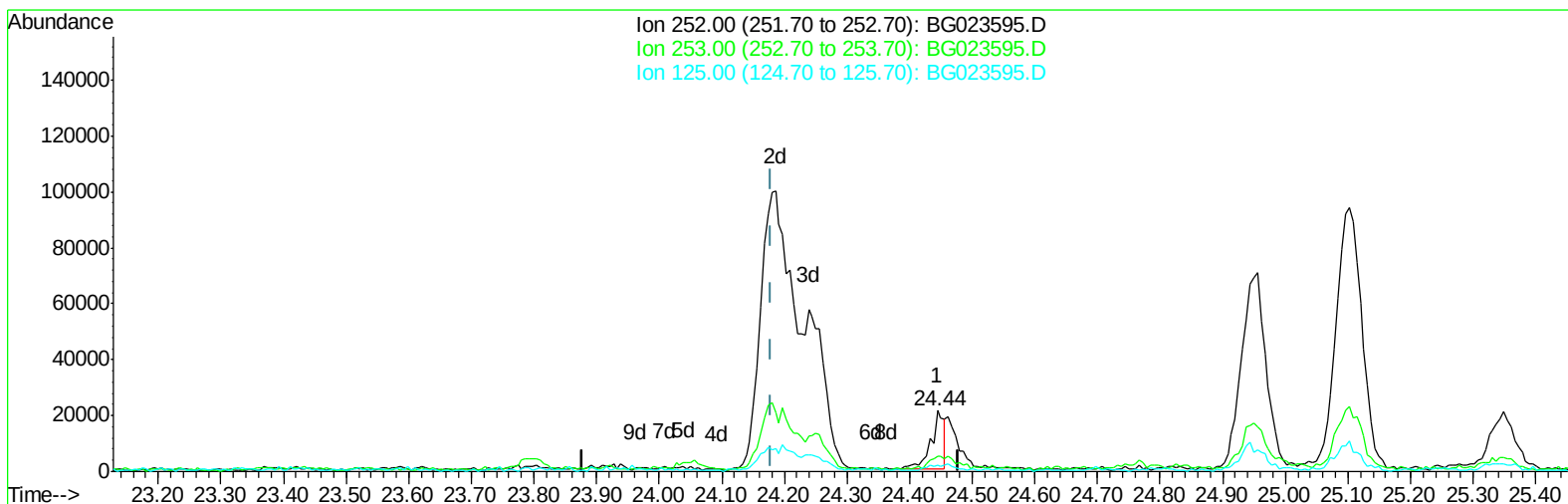
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG081016\  
 Data File : BG023595.D  
 Acq On : 10 Aug 2016 16:54  
 Operator : UM/SJ  
 Sample : H4360-05  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PR001-SS002-0206-01

Manual Integrations  
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Quant Time: Aug 11 03:58:54 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080416.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Aug 11 03:58:16 2016  
 Response via : Initial Calibration



TIC: BG023595.D

(85) Benzo(b)fluoranthene

24.444min (+0.266) 0.47ng/ul

response 32468

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 22.70 | 25.69 |
| 125.00 | 13.50 | 11.14 |
| 0.00   | 0.00  | 0.00  |

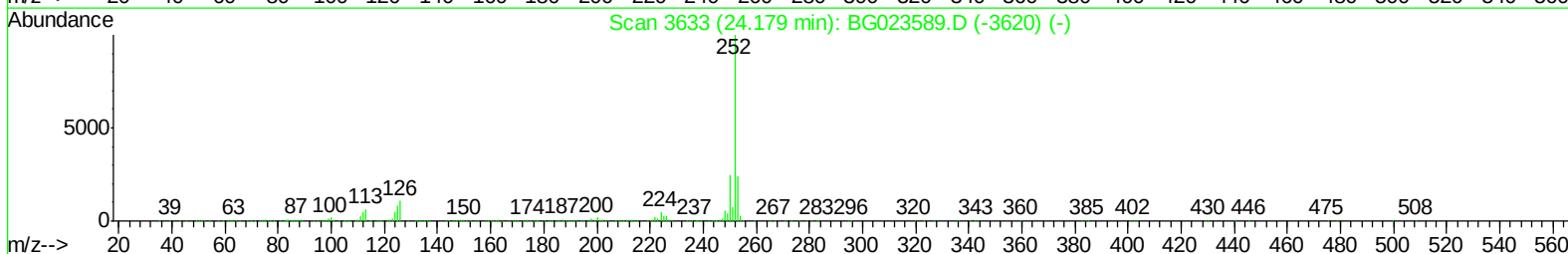
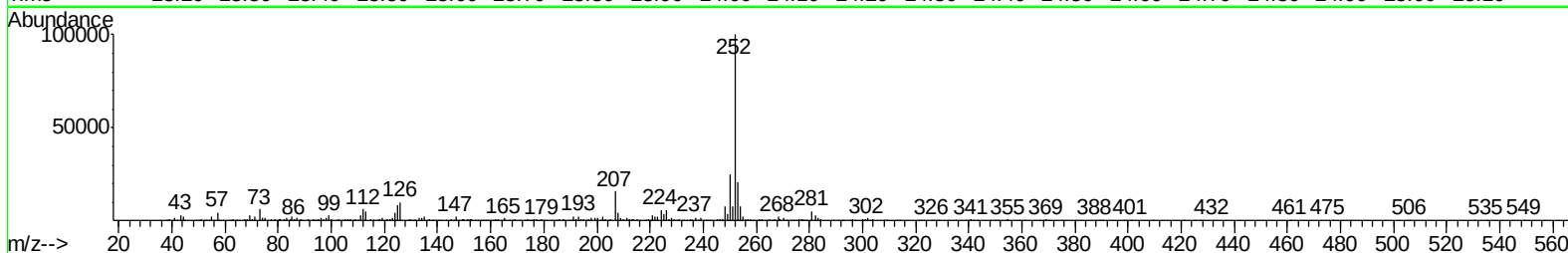
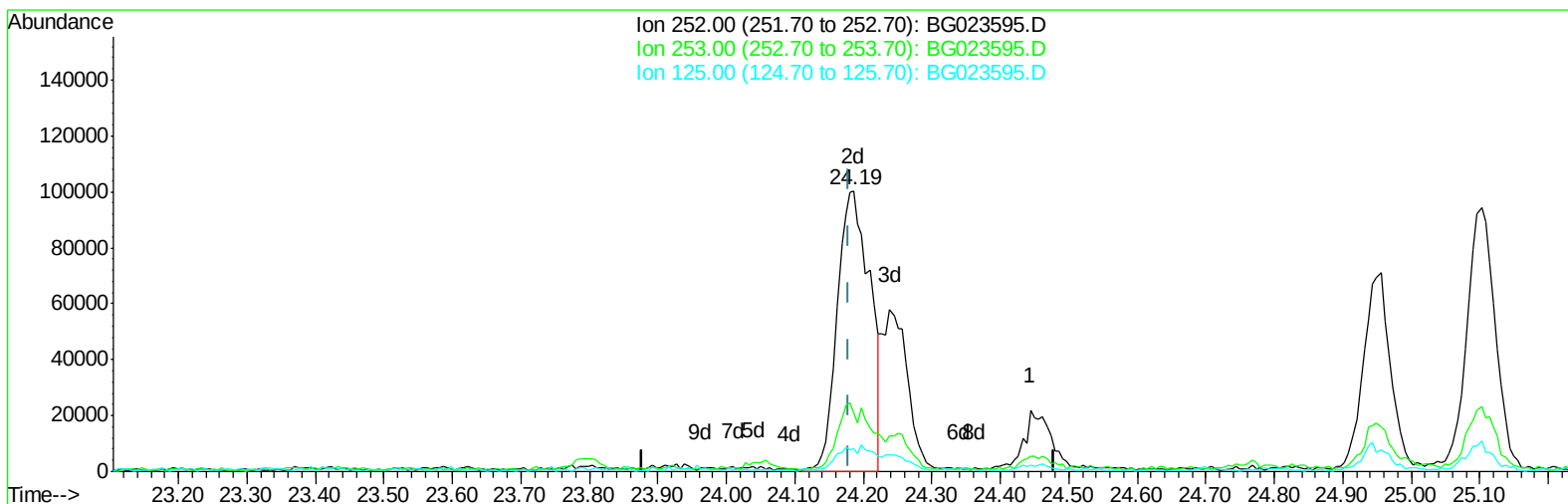
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG081016\  
Data File : BG023595.D  
Acq On : 10 Aug 2016 16:54  
Operator : UM/SJ  
Sample : H4360-05  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
PR001-SS002-0206-01

Manual Integrations  
APPROVED

sohil  
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Quant Time: Aug 11 03:58:54 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080416.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Aug 11 03:58:16 2016  
Response via : Initial Calibration



TIC: BG023595.D

(85) Benzo(b)fluoranthene

24.186min (+0.007) 4.76ng/ul m

response 331672

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 22.70 | 20.98 |
| 125.00 | 13.50 | 8.13# |
| 0.00   | 0.00  | 0.00  |



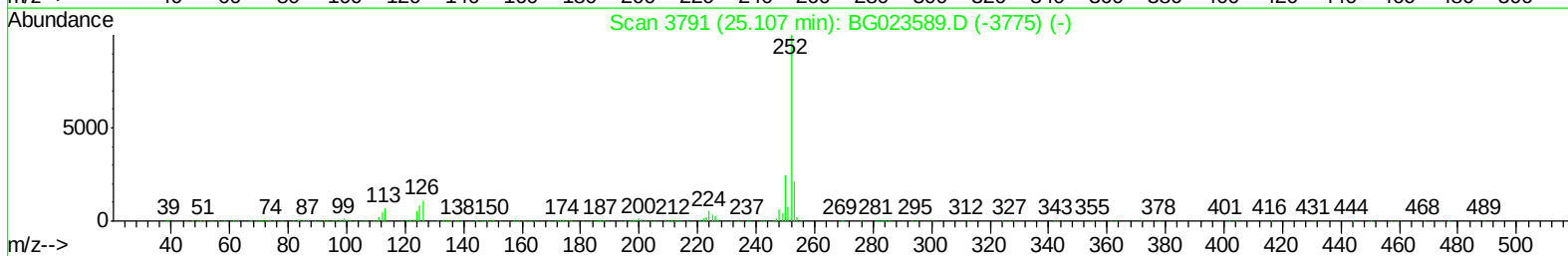
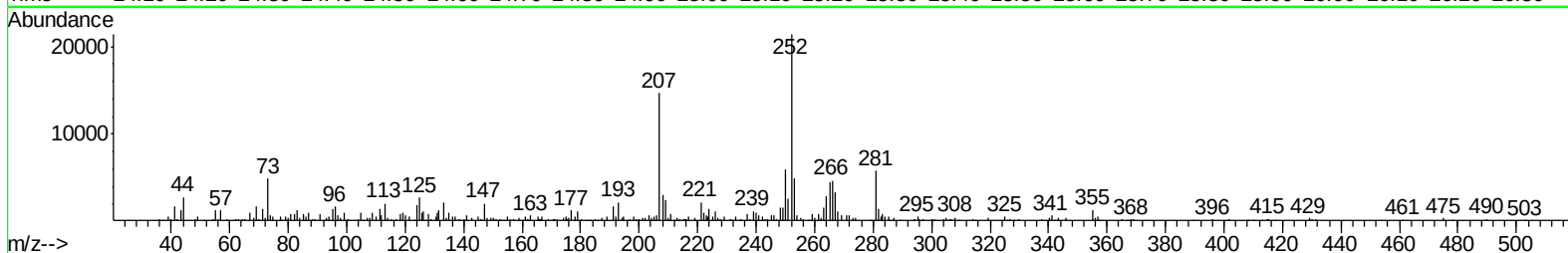
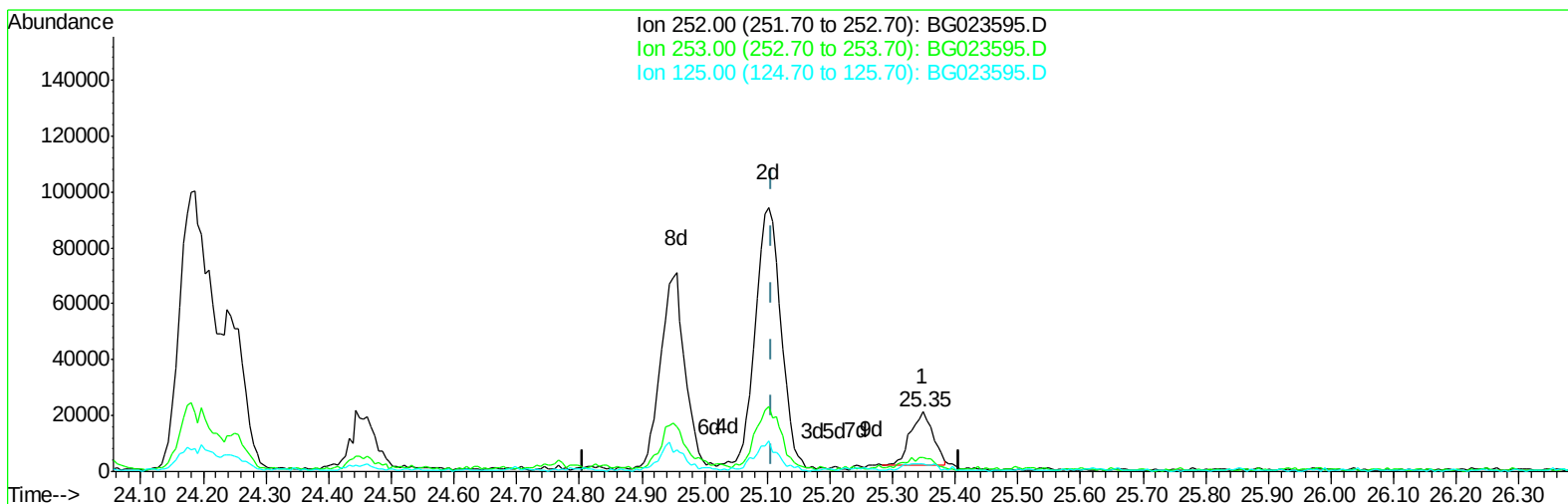
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG081016\  
Data File : BG023595.D  
Acq On : 10 Aug 2016 16:54  
Operator : UM/SJ  
Sample : H4360-05  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
PR001-SS002-0206-01

Manual Integrations  
APPROVED

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Quant Time: Aug 11 03:58:54 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080416.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Aug 11 03:58:16 2016  
Response via : Initial Calibration



TIC: BG023595.D

(88) Benzo(a)pyrene (C)

25.349min (+0.242) 0.72ng/ul

response 48383

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 23.70 | 23.36 |
| 125.00 | 15.00 | 12.69 |
| 0.00   | 0.00  | 0.00  |

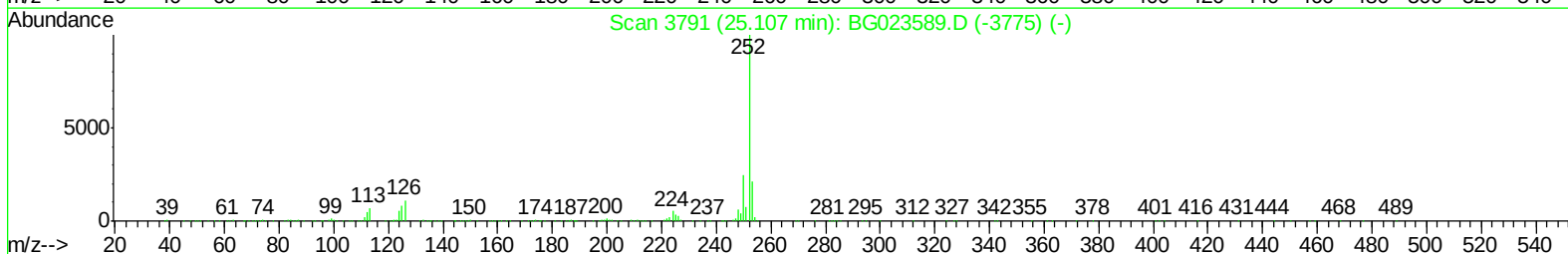
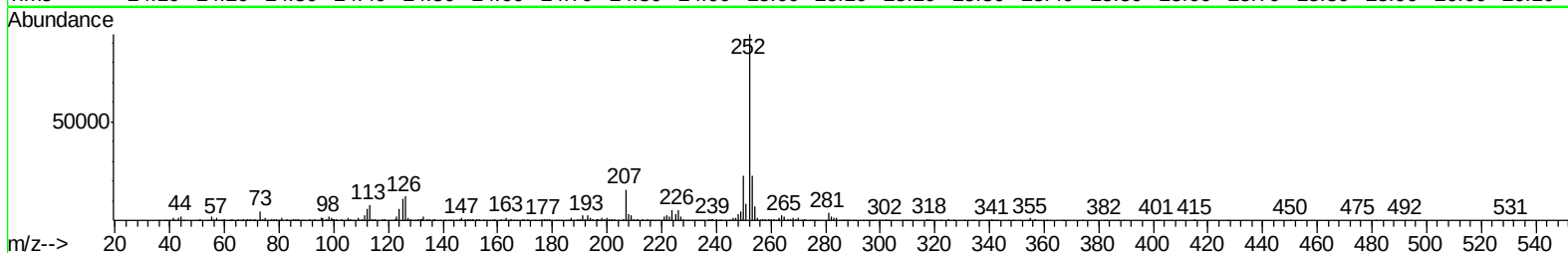
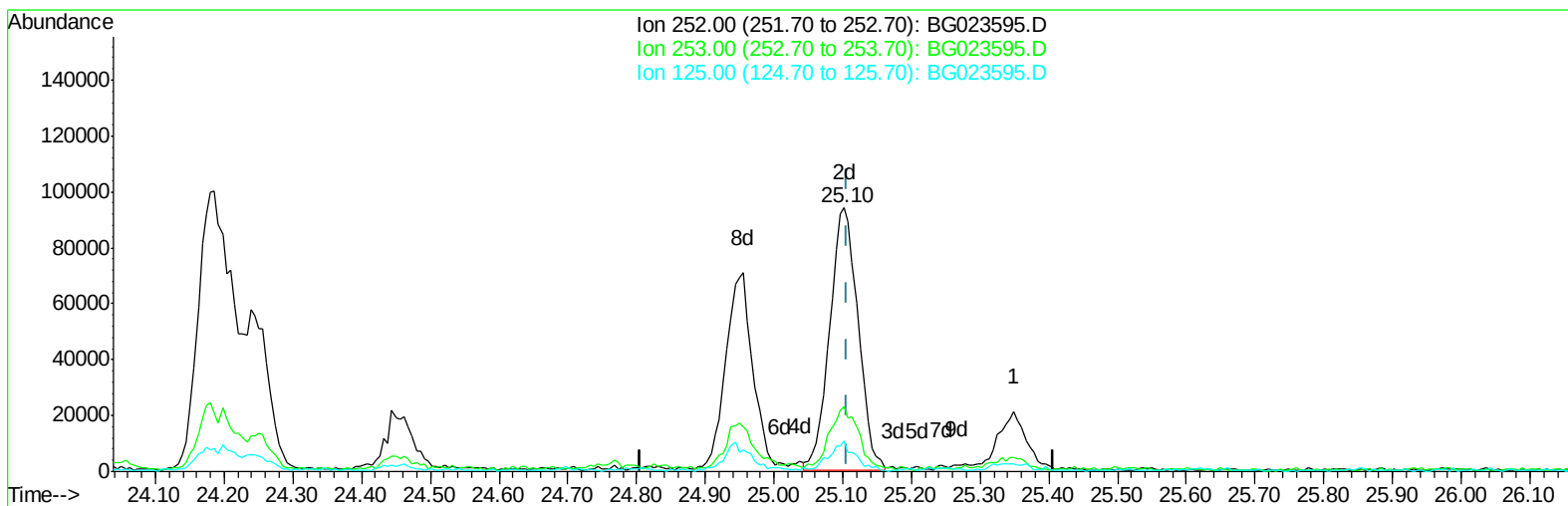
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG081016\  
Data File : BG023595.D  
Acq On : 10 Aug 2016 16:54  
Operator : UM/SJ  
Sample : H4360-05  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
PR001-SS002-0206-01

Quant Time: Aug 11 03:58:54 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080416.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Aug 11 03:58:16 2016  
Response via : Initial Calibration

Manual Integrations  
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TIC: BG023595.D

(88) Benzo(a)pyrene (C)

25.102min (-0.005) 3.99ng/ul m

response 268760

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 23.70 | 24.45  |
| 125.00 | 15.00 | 11.70# |
| 0.00   | 0.00  | 0.00   |

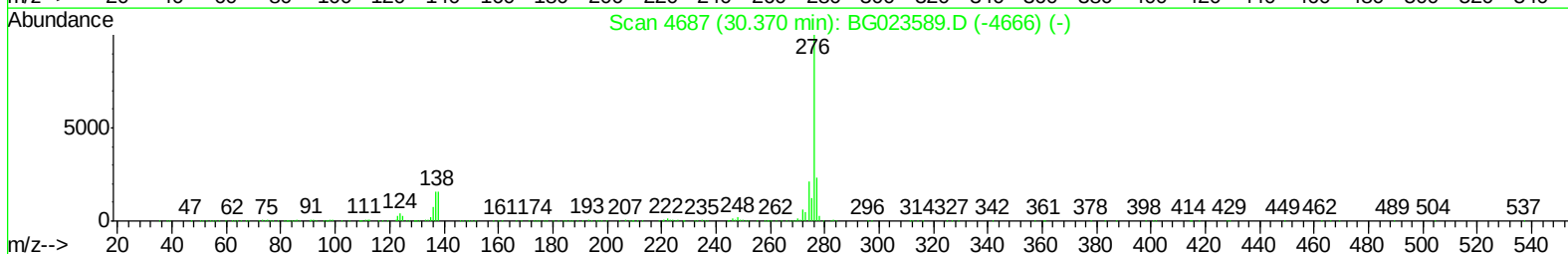
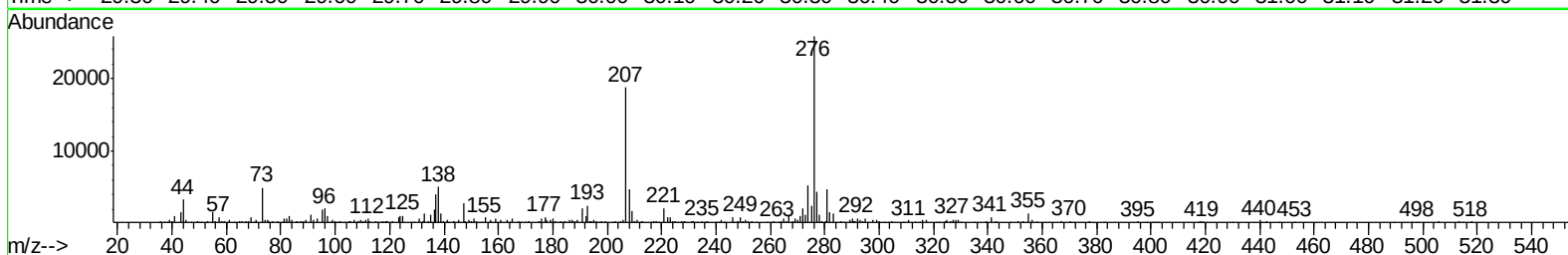
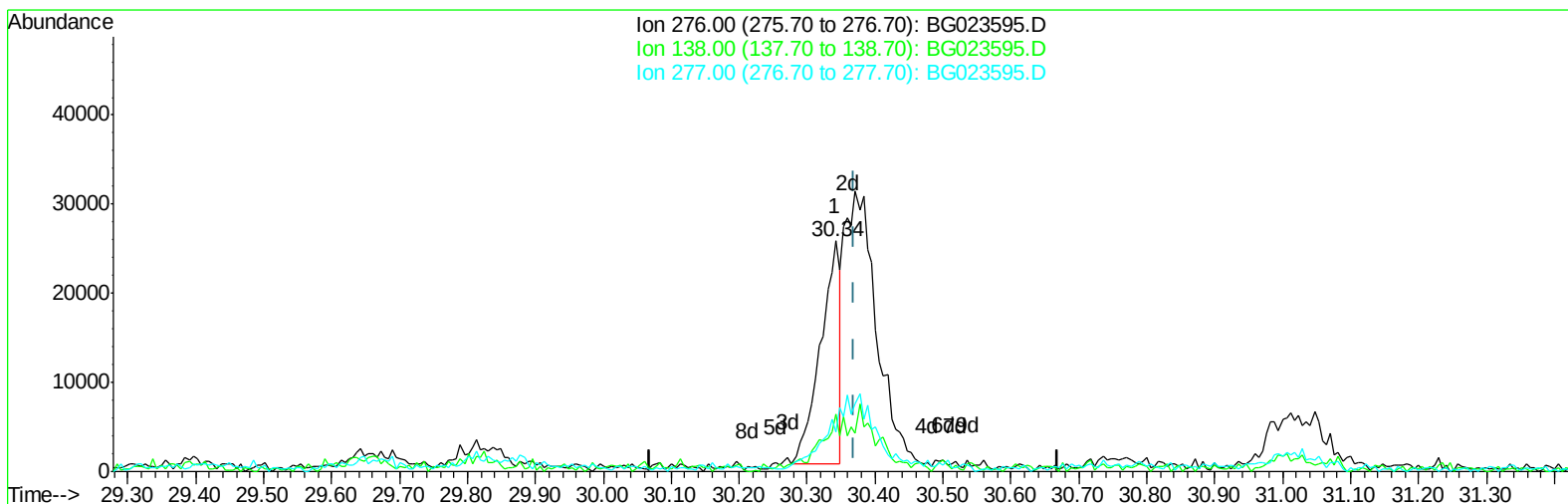
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG081016\  
Data File : BG023595.D  
Acq On : 10 Aug 2016 16:54  
Operator : UM/SJ  
Sample : H4360-05  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
PR001-SS002-0206-01

Manual Integrations  
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Quant Time: Aug 11 04:32:11 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080416.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Aug 11 03:58:16 2016  
Response via : Initial Calibration



TIC: BG023595.D

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

30.342min (-0.028) 0.77ng/ul

response 50210

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 276.00 | 100   | 100   |
| 138.00 | 27.60 | 24.96 |
| 277.00 | 21.20 | 17.17 |
| 0.00   | 0.00  | 0.00  |

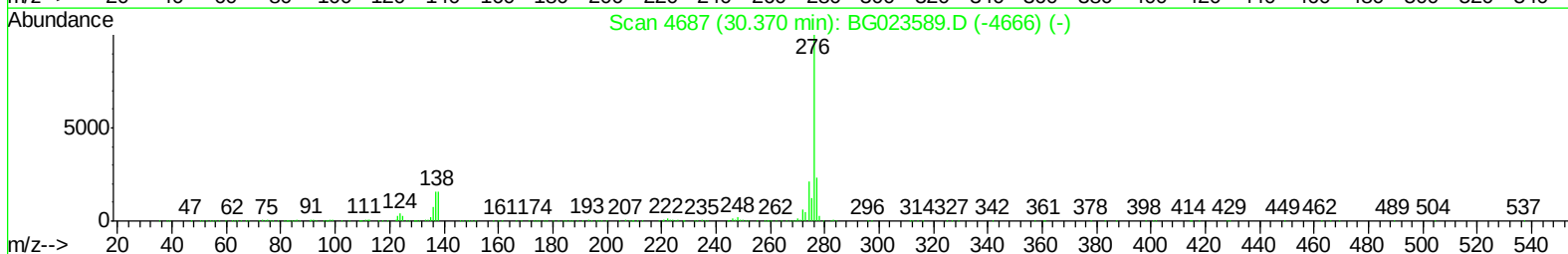
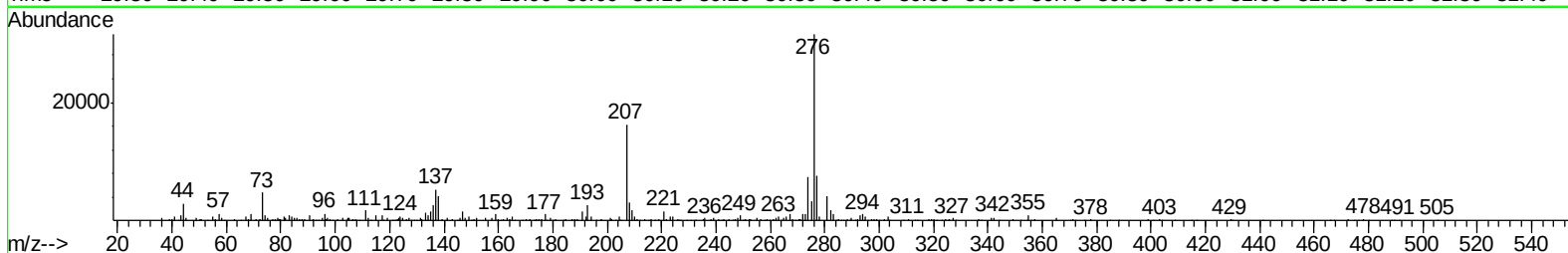
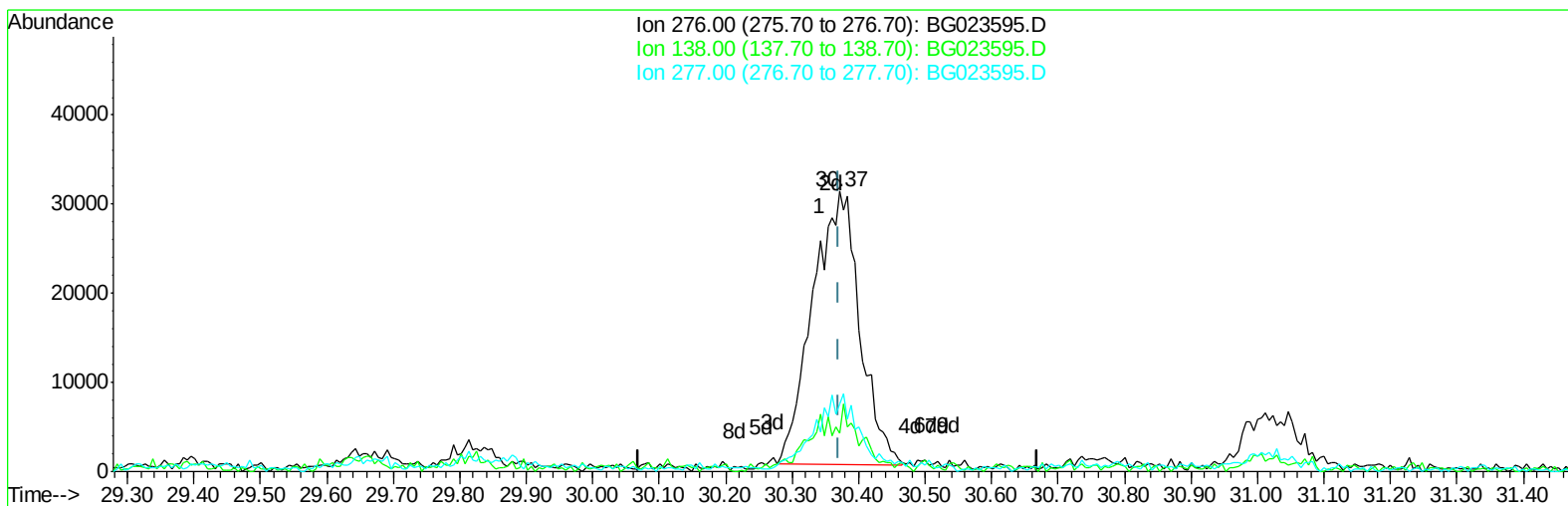
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG081016\  
Data File : BG023595.D  
Acq On : 10 Aug 2016 16:54  
Operator : UM/SJ  
Sample : H4360-05  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
PR001-SS002-0206-01

Quant Time: Aug 11 04:32:11 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080416.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Aug 11 03:58:16 2016  
Response via : Initial Calibration

Manual Integrations  
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TIC: BG023595.D

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

30.371min (+0.001) 2.30ng/ul m

response 151047

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 276.00 | 100   | 100    |
| 138.00 | 27.60 | 13.68# |
| 277.00 | 21.20 | 24.20  |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG081016\  
 Data File : BG023595.D  
 Acq On : 10 Aug 2016 16:54  
 Operator : UM/SJ  
 Sample : H4360-05  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PR001-SS002-0206-01

Manual Integrations  
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Quant Time: Aug 11 04:37:10 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080416.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Aug 11 03:58:16 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.11  | 152  | 170058   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.94 | 136  | 762151   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.78 | 164  | 520153   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.55 | 188  | 1246586  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.87 | 240  | 1229665  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 25.27 | 264  | 1226075  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.48  | 96  | 6164    | 1.54  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.26  | 99  | 302351  | 17.65 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.43  | 67  | 209036  | 19.04 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.64  | 132 | 225101  | 19.26 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.82  | 113 | 216944  | 16.22 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.29  | 128 | 109858  | 18.29 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.02 | 143 | 133923  | 19.41 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.57 | 165 | 234408  | 18.01 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.09 | 131 | 226051m | 14.80 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.18 | 166 | 838341  | 19.68 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.48 | 160 | 967081  | 20.18 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 15.00 | 143 | 121672m | 16.74 | ng/ul | 0.01 |
| 57) Fluorene-d10               | 15.78 | 176 | 771642  | 19.61 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.90 | 200 | 137351  | 17.17 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.65 | 188 | 1160032 | 20.65 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.94 | 212 | 1264115 | 20.31 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 25.03 | 264 | 1142383 | 20.58 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |       |        | Qvalue |
|--------------------------------|-------|-----|---------|-------|--------|--------|
| 44) Dimethylphthalate          | 14.22 | 163 | 557394  | 13.22 | ng/ul  | 100    |
| 69) Phenanthrene               | 17.59 | 178 | 398667  | 6.18  | ng/ul  | 99     |
| 74) Fluoranthene               | 19.60 | 202 | 646563  | 9.78  | ng/ul# | 94     |
| 77) Pyrene                     | 19.97 | 202 | 750468  | 9.87  | ng/ul# | 92     |
| 80) Benzo(a)anthracene         | 21.85 | 228 | 312203m | 4.51  | ng/ul  |        |
| 81) Bis(2-ethylhexyl)phthalate | 21.73 | 149 | 122243  | 3.15  | ng/ul# | 96     |
| 82) Chrysene                   | 21.92 | 228 | 353050  | 5.61  | ng/ul  | 94     |
| 85) Benzo(b)fluoranthene       | 24.19 | 252 | 331672m | 4.76  | ng/ul  |        |
| 86) Benzo(k)fluoranthene       | 24.24 | 252 | 110282  | 1.61  | ng/ul# | 93     |
| 88) Benzo(a)pyrene             | 25.10 | 252 | 268760m | 3.99  | ng/ul  |        |
| 89) Indeno(1,2,3-cd)pyrene     | 29.14 | 276 | 161858  | 2.05  | ng/ul# | 86     |
| 91) Benzo(g,h,i)perylene       | 30.37 | 276 | 151047m | 2.30  | ng/ul  |        |

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

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG081016\  
Data File : BG023595.D  
Acq On : 10 Aug 2016 16:54  
Operator : UM/SJ  
Sample : H4360-05  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
PR001-SS002-0206-01

Manual Integrations  
APPROVED

sohil  
8/11/2016 6:11:37 PM

Quant Time: Aug 11 04:37:10 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080416.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Aug 11 03:58:16 2016  
Response via : Initial Calibration

