

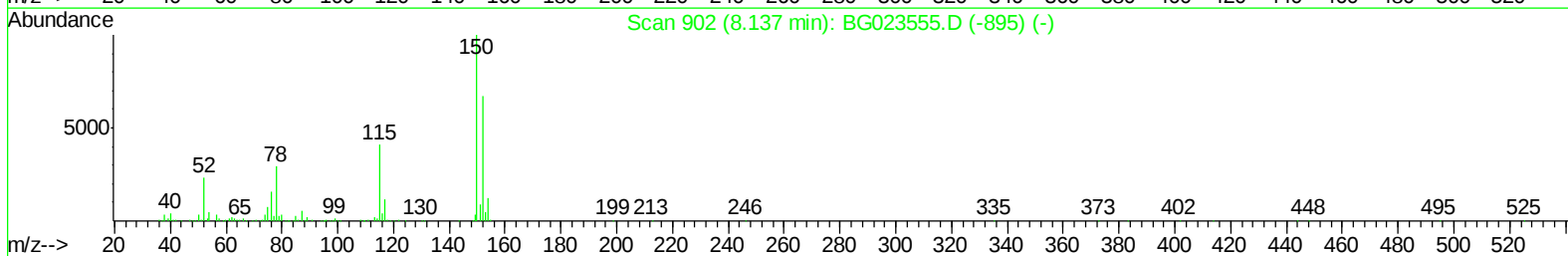
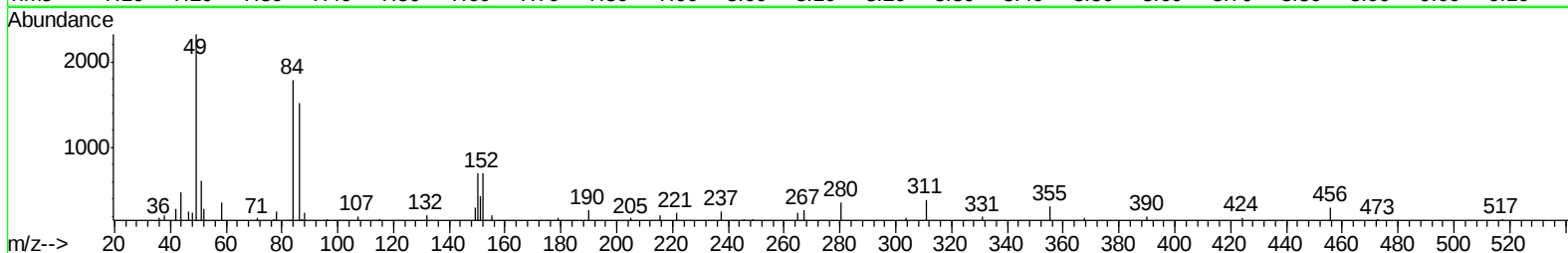
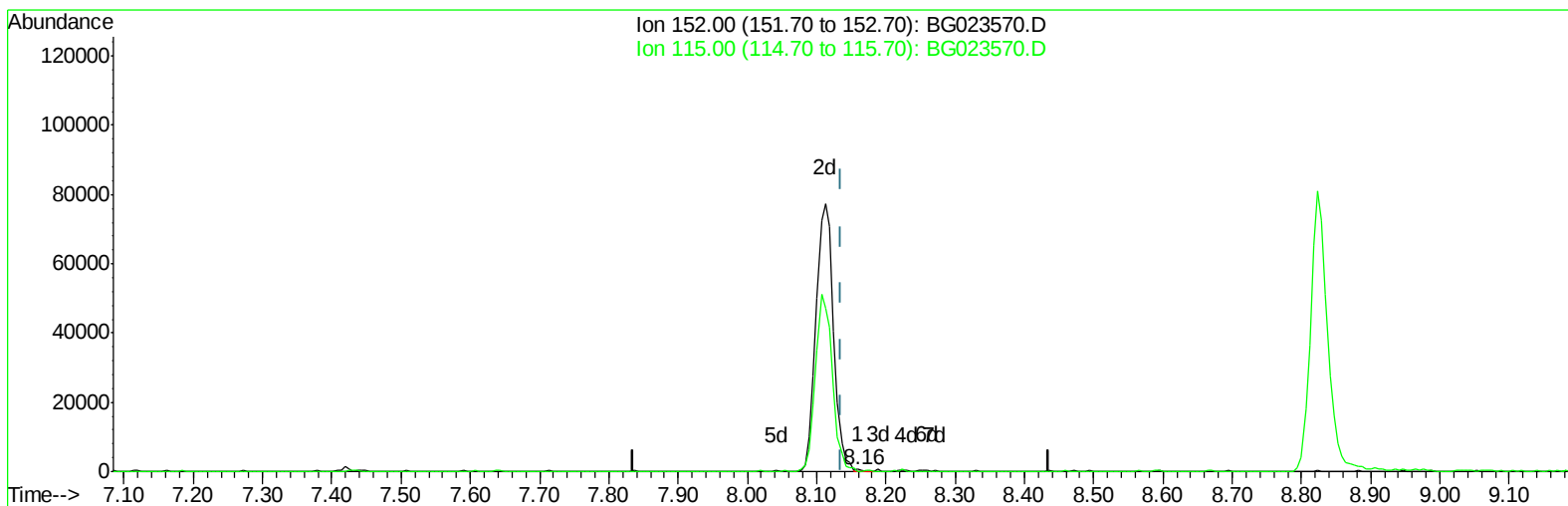
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080916\  
Data File : BG023570.D  
Acq On : 9 Aug 2016 23:43  
Operator : UM/SJ  
Sample : H4314-01  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BDJT0

Manual Integrations  
APPROVED

sohil  
8/10/2016 6:50:46 PM

Quant Time: Aug 10 05:04:38 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080416.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Aug 10 05:01:49 2016  
Response via : Initial Calibration



TIC: BG023570.D

(1) 1,4-Dichlorobenzene-d4 (I)

8.159min (+0.023) 20.00ng/ul

response 504

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 152.00 | 100   | 100    |
| 115.00 | 53.90 | 22.77# |
| 0.00   | 0.00  | 0.00   |
| 0.00   | 0.00  | 0.00   |

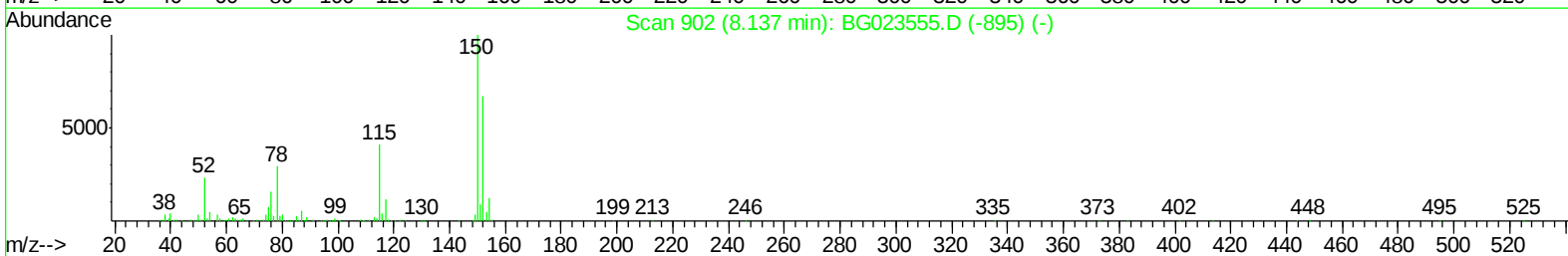
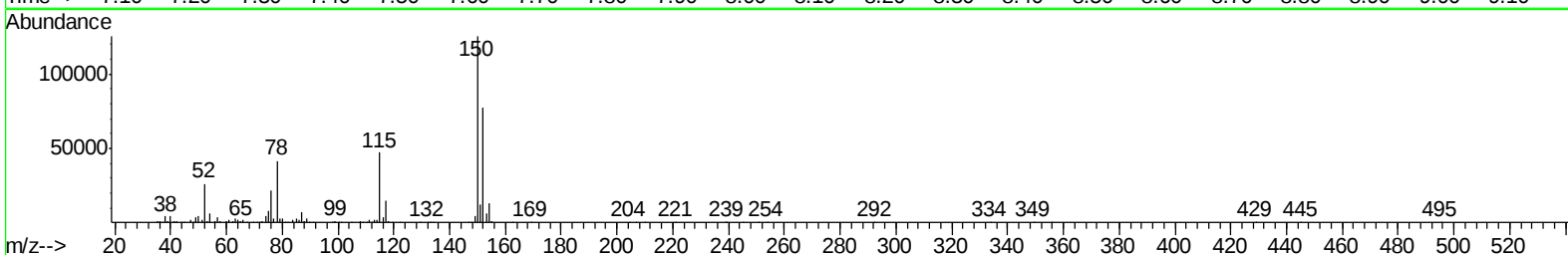
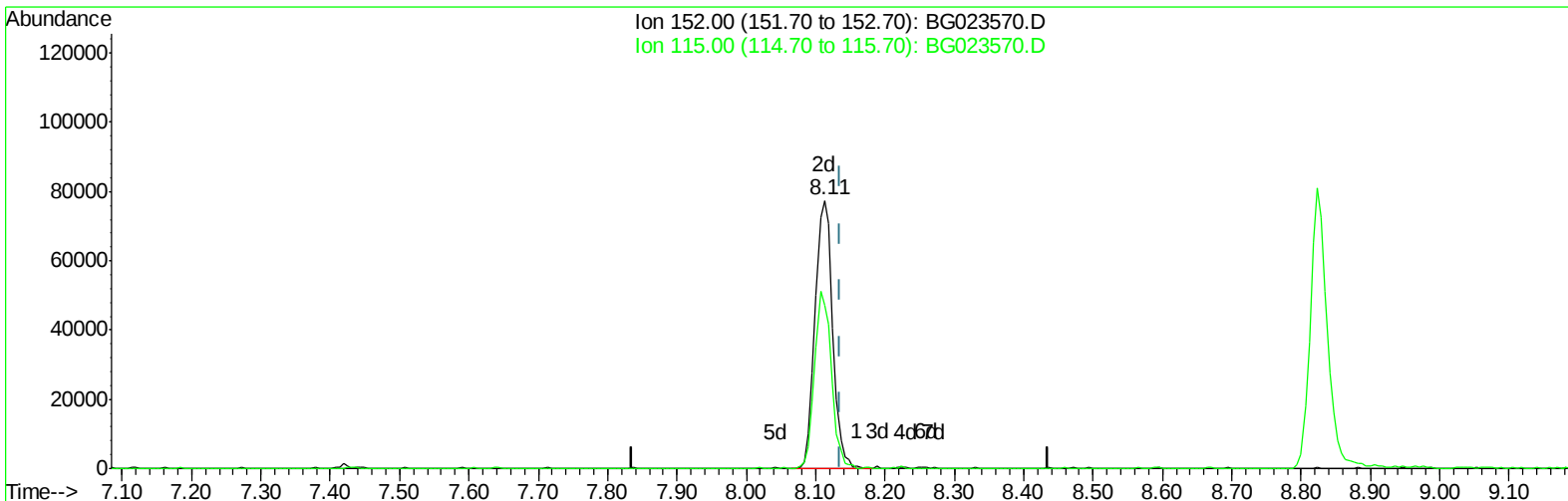
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080916\  
Data File : BG023570.D  
Acq On : 9 Aug 2016 23:43  
Operator : UM/SJ  
Sample : H4314-01  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BDJT0

Manual Integrations  
APPROVED

sohil  
8/10/2016 6:50:46 PM

Quant Time: Aug 10 05:04:38 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080416.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Aug 10 05:01:49 2016  
Response via : Initial Calibration



TIC: BG023570.D

(1) 1,4-Dichlorobenzene-d4 (I)

8.113min (-0.024) 20.00ng/ul m

response 136399

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 152.00 | 100   | 100   |
| 115.00 | 53.90 | 60.80 |
| 0.00   | 0.00  | 0.00  |
| 0.00   | 0.00  | 0.00  |

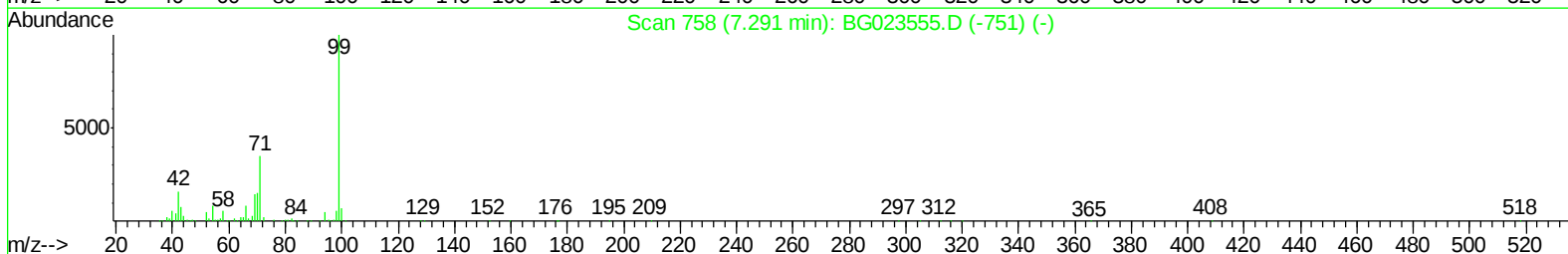
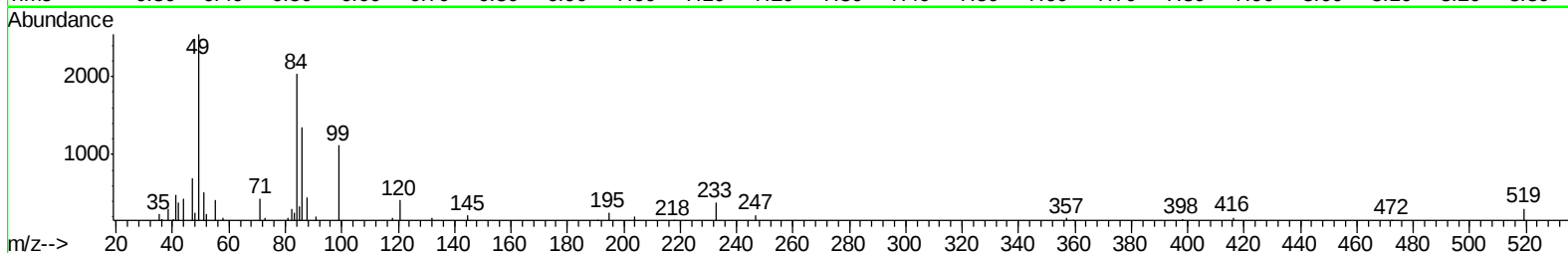
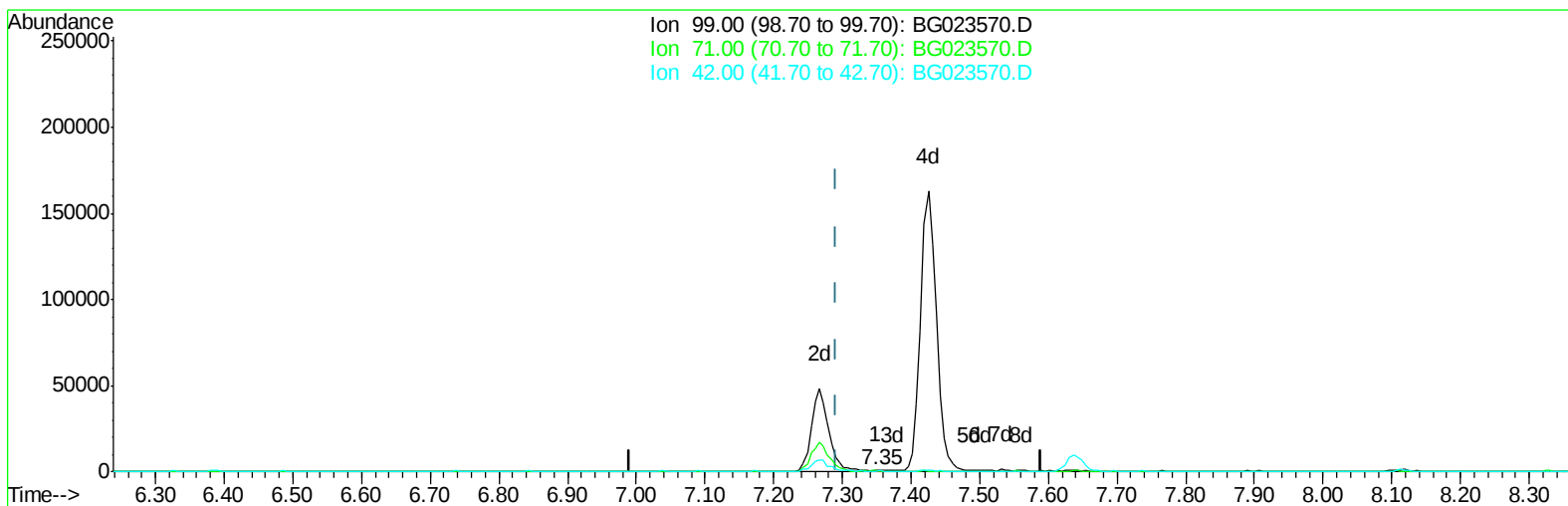
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080916\  
Data File : BG023570.D  
Acq On : 9 Aug 2016 23:43  
Operator : UM/SJ  
Sample : H4314-01  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BDJT0

Quant Time: Aug 10 06:01:19 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080416.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Aug 10 05:01:49 2016  
Response via : Initial Calibration

Manual Integrations  
APPROVED

sohil  
8/10/2016 6:50:46 PM



TIC: BG023570.D

(5) Phenol-d5 (S)

7.349min (+0.058) 0.05ng/ul

response 643

| Ion   | Exp%  | Act%   |
|-------|-------|--------|
| 99.00 | 100   | 100    |
| 71.00 | 25.40 | 38.34# |
| 42.00 | 11.10 | 34.05# |
| 0.00  | 0.00  | 0.00   |

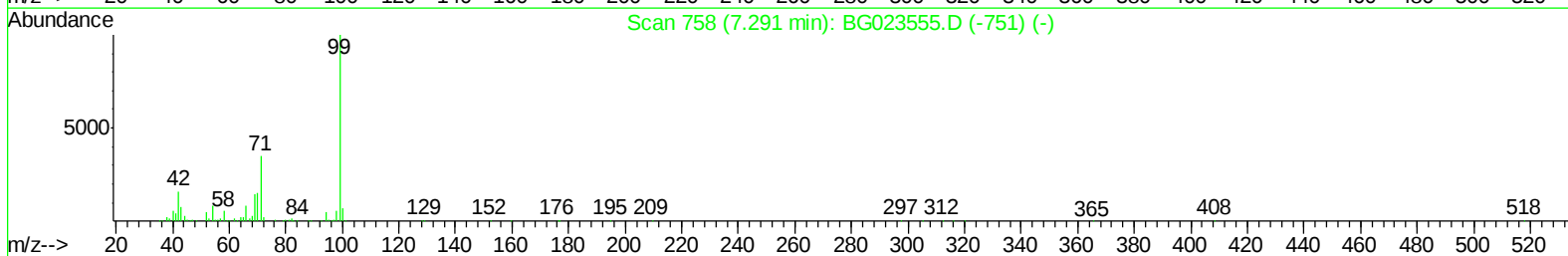
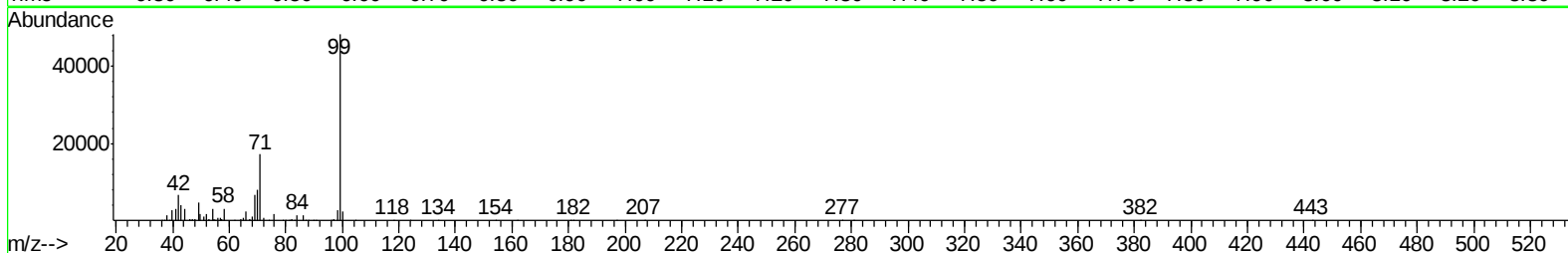
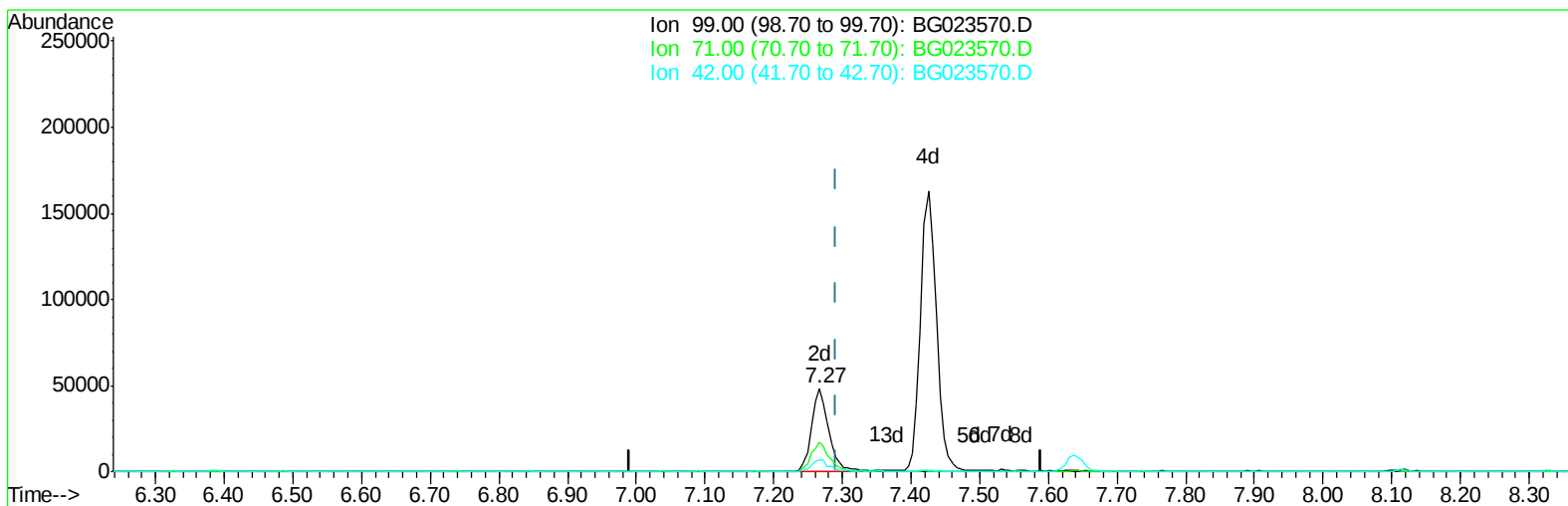
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080916\  
Data File : BG023570.D  
Acq On : 9 Aug 2016 23:43  
Operator : UM/SJ  
Sample : H4314-01  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BDJT0

Manual Integrations  
APPROVED

sohil  
8/10/2016 6:50:46 PM

Quant Time: Aug 10 06:01:19 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080416.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Aug 10 05:01:49 2016  
Response via : Initial Calibration



TIC: BG023570.D

(5) Phenol-d5 (S)

7.267min (-0.024) 6.12ng/ul m

response 84150

| Ion   | Exp%  | Act%   |
|-------|-------|--------|
| 99.00 | 100   | 100    |
| 71.00 | 25.40 | 35.78# |
| 42.00 | 11.10 | 13.79# |
| 0.00  | 0.00  | 0.00   |

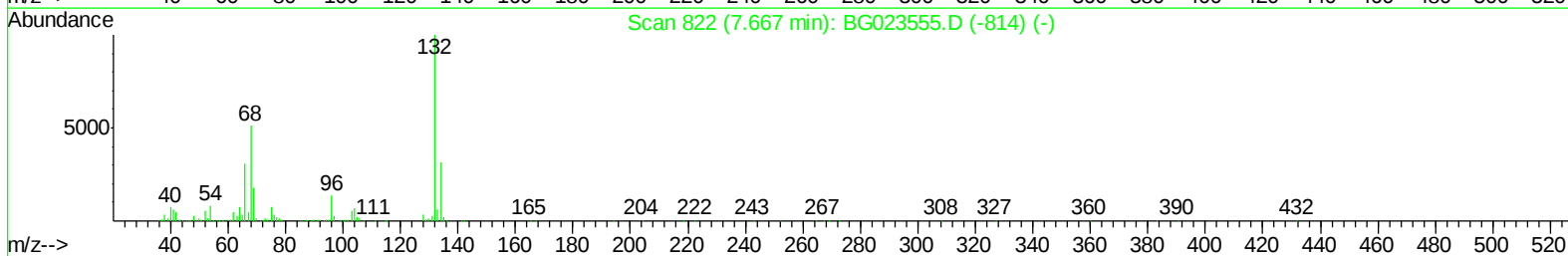
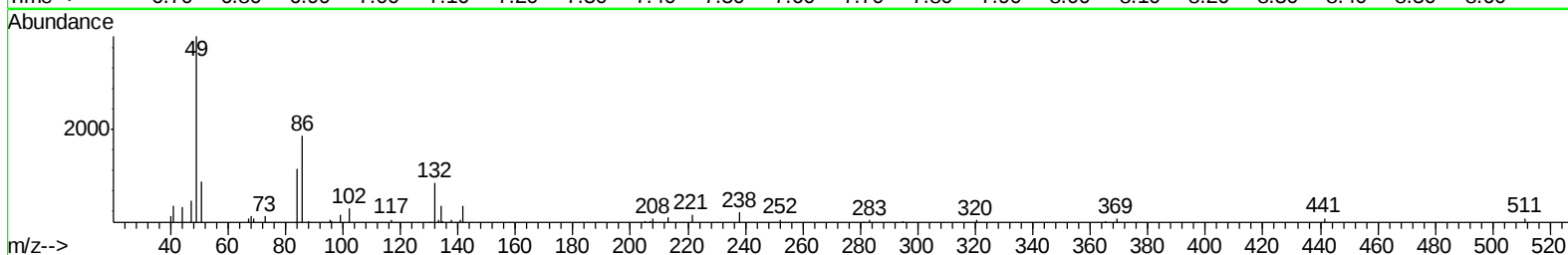
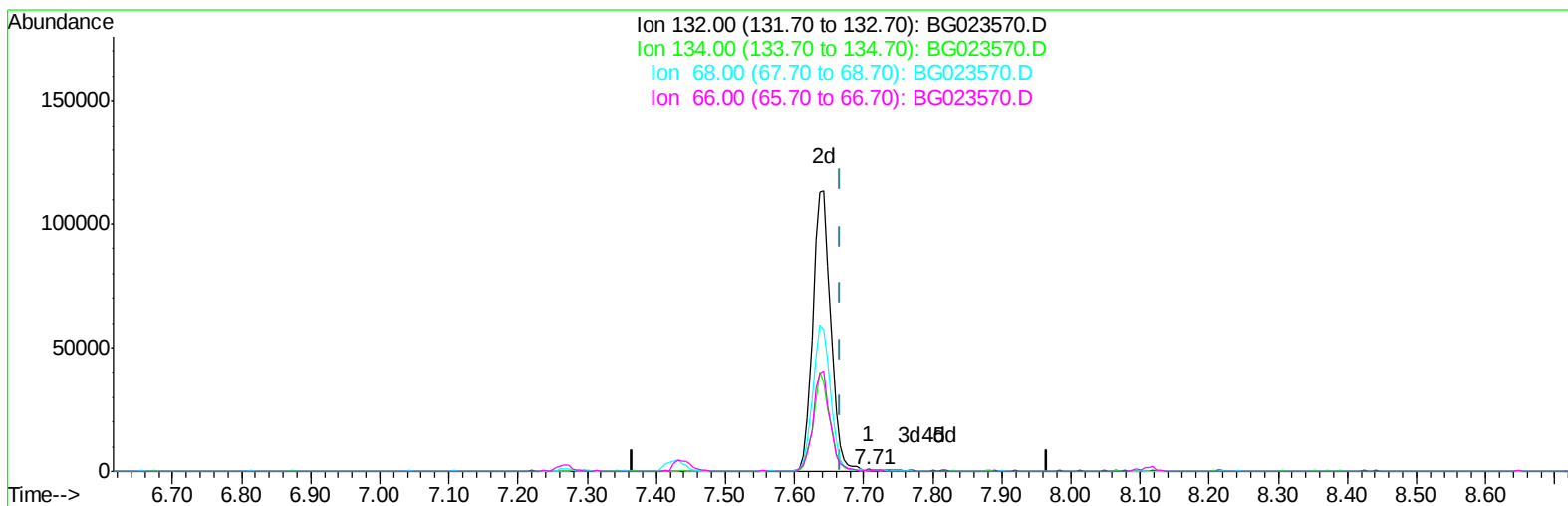
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080916\  
 Data File : BG023570.D  
 Acq On : 9 Aug 2016 23:43  
 Operator : UM/SJ  
 Sample : H4314-01  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BDJT0

Manual Integrations  
 APPROVED

sohil  
 8/10/2016 6:50:46 PM

Quant Time: Aug 10 06:01:19 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080416.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Aug 10 05:01:49 2016  
 Response via : Initial Calibration



TIC: BG023570.D

(9) 2-Chlorophenol-d4 (S)

7.707min (+0.040) 0.05ng/ul

response 435

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 132.00 | 100   | 100    |
| 134.00 | 33.40 | 70.44# |
| 68.00  | 35.10 | 29.56  |
| 66.00  | 22.80 | 0.00#  |

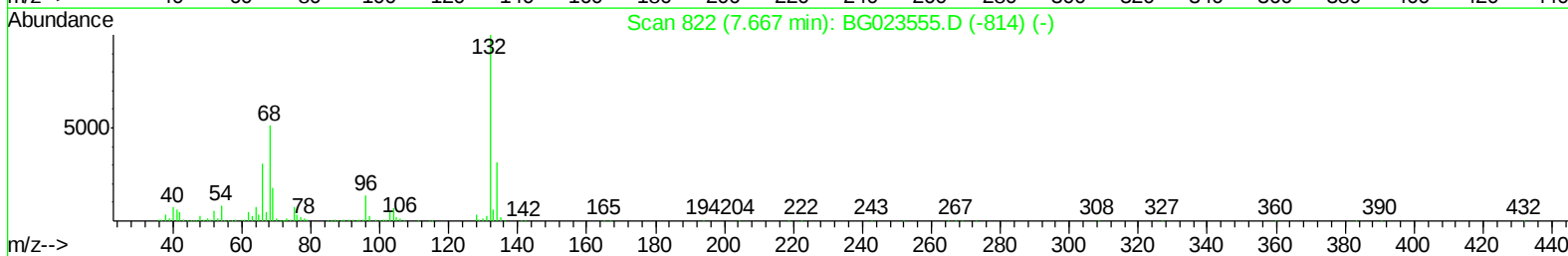
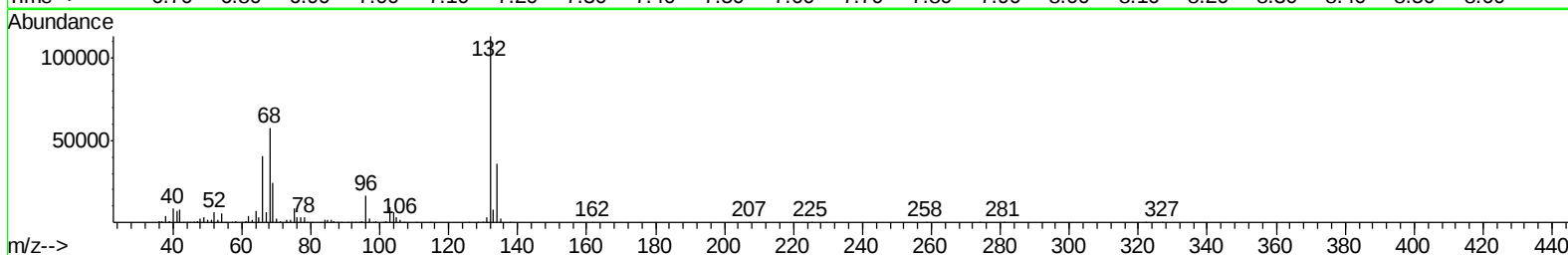
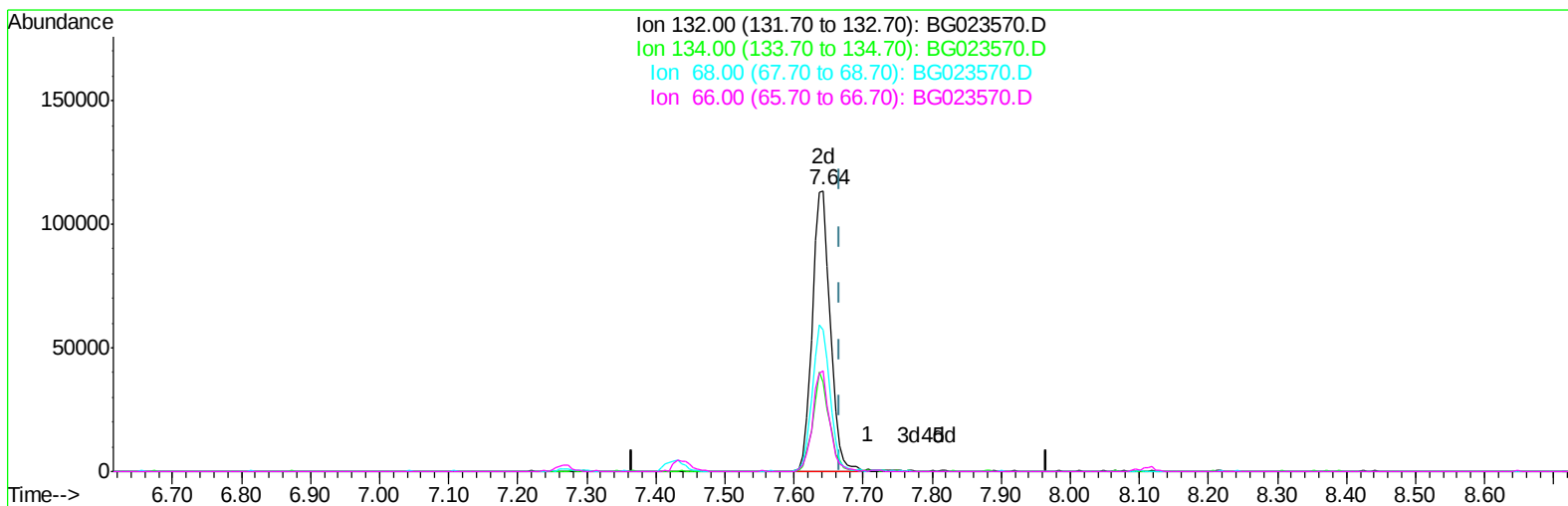
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080916\  
Data File : BG023570.D  
Acq On : 9 Aug 2016 23:43  
Operator : UM/SJ  
Sample : H4314-01  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BDJT0

Manual Integrations  
APPROVED

sohil  
8/10/2016 6:50:46 PM

Quant Time: Aug 10 06:01:19 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080416.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Aug 10 05:01:49 2016  
Response via : Initial Calibration



TIC: BG023570.D

(9) 2-Chlorophenol-d4 (S)

7.643min (-0.024) 21.80ng/ul m

response 204370

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 132.00 | 100   | 100    |
| 134.00 | 33.40 | 31.94  |
| 68.00  | 35.10 | 50.60# |
| 66.00  | 22.80 | 35.76# |

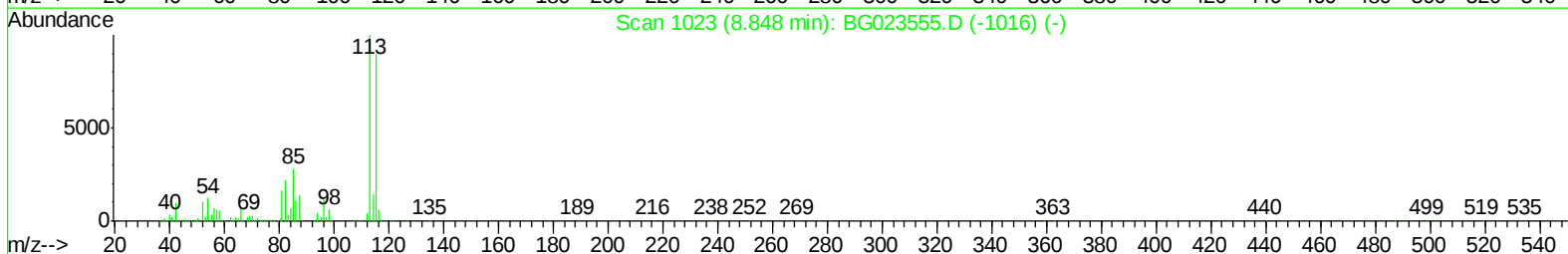
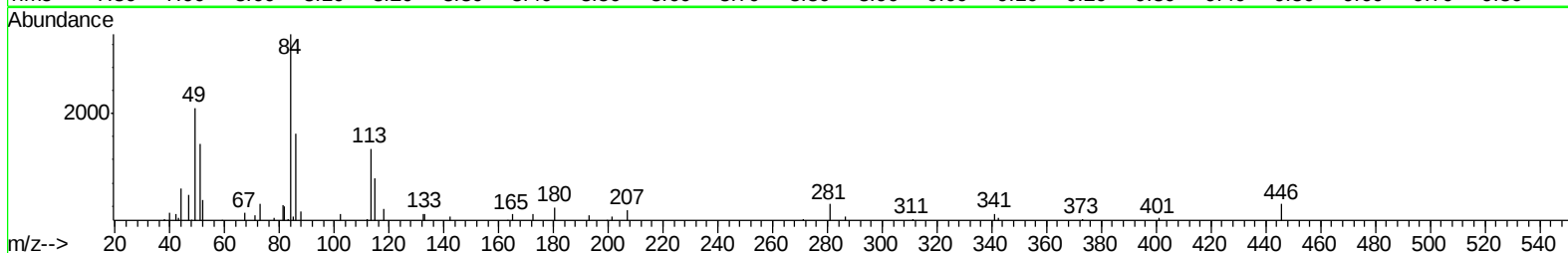
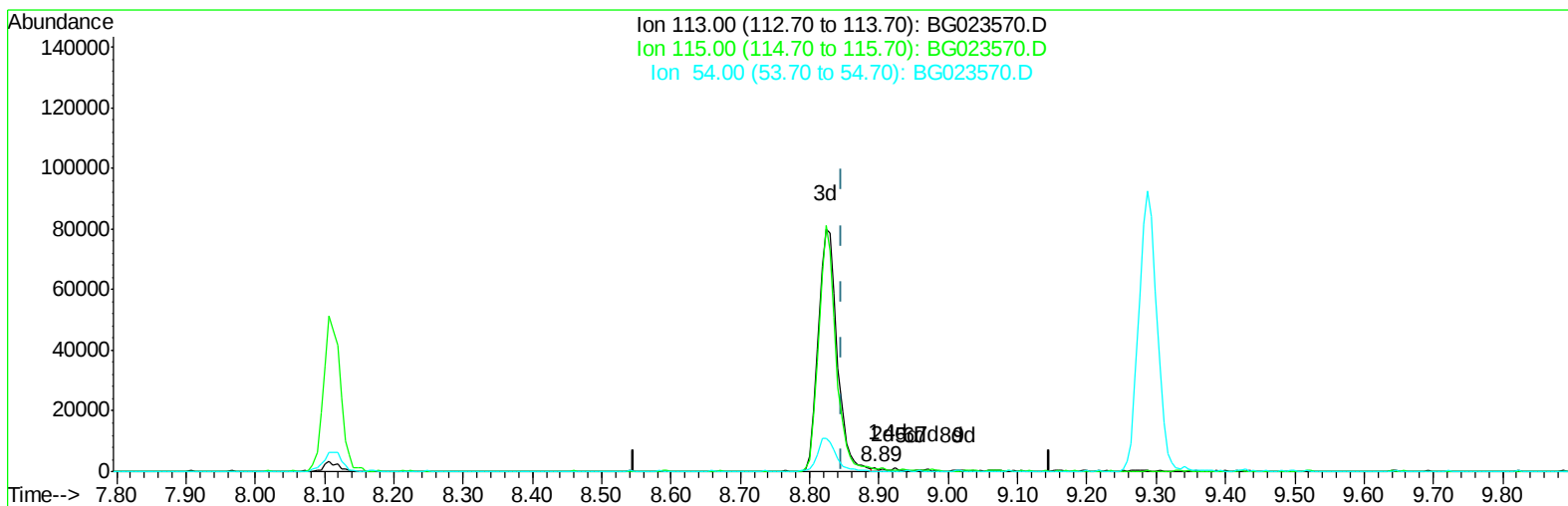
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080916\  
Data File : BG023570.D  
Acq On : 9 Aug 2016 23:43  
Operator : UM/SJ  
Sample : H4314-01  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BDJT0

Manual Integrations  
APPROVED

sohil  
8/10/2016 6:50:46 PM

Quant Time: Aug 10 06:01:19 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080416.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Aug 10 05:01:49 2016  
Response via : Initial Calibration



TIC: BG023570.D

(13) 4-Methylphenol-d8 (S)

8.894min (+0.046) 0.06ng/ul

response 614

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 113.00 | 100   | 100    |
| 115.00 | 89.60 | 62.56# |
| 54.00  | 9.20  | 0.00#  |
| 0.00   | 0.00  | 0.00   |

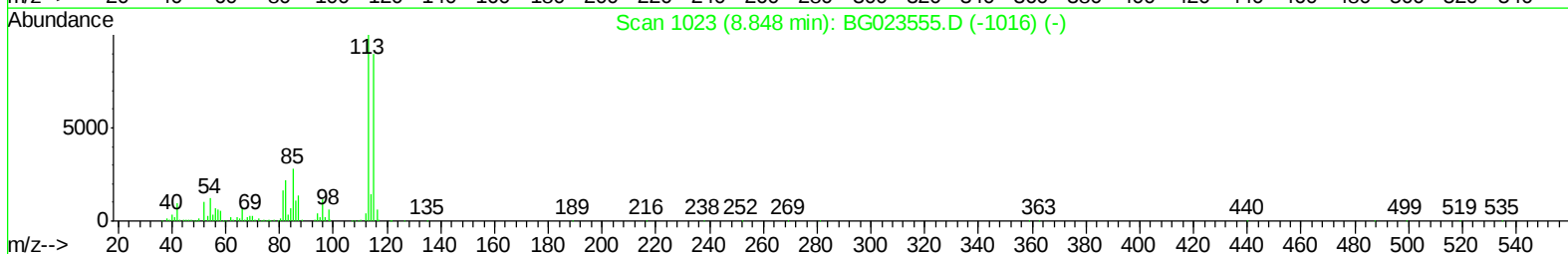
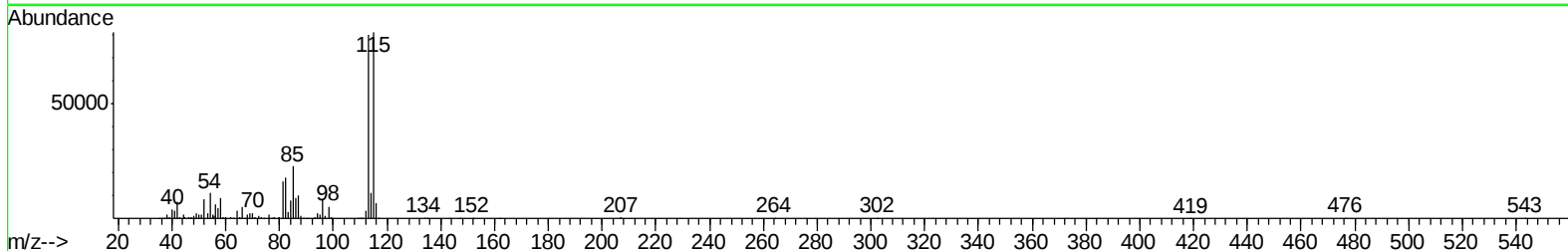
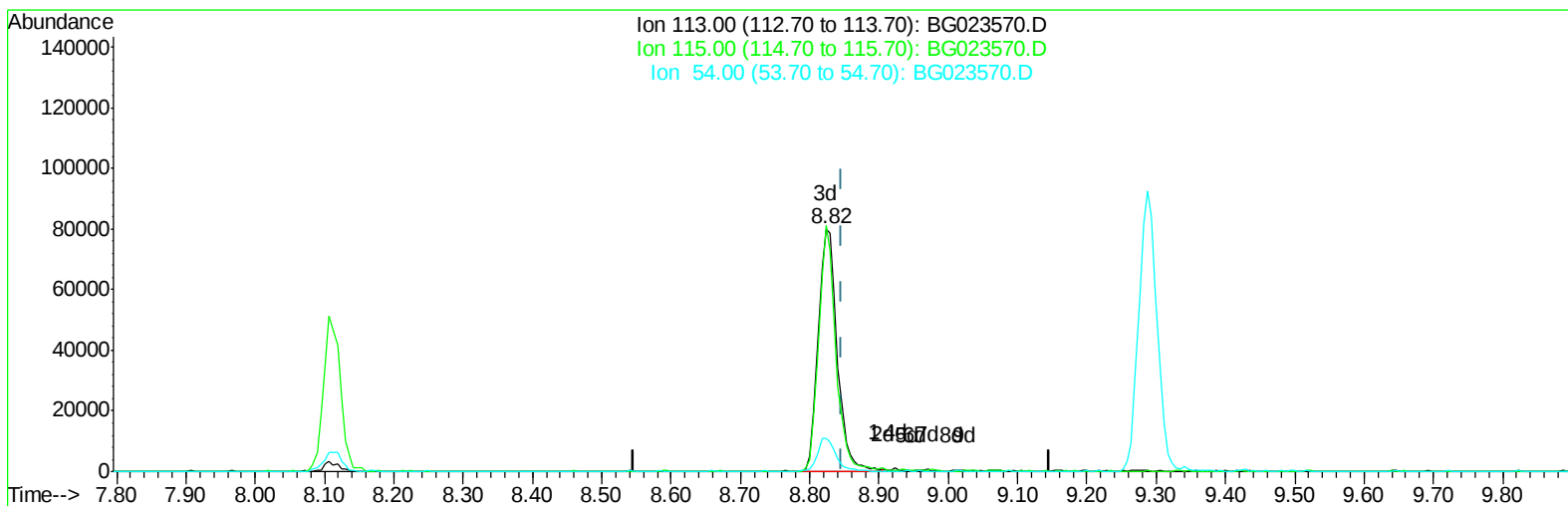
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080916\  
Data File : BG023570.D  
Acq On : 9 Aug 2016 23:43  
Operator : UM/SJ  
Sample : H4314-01  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BDJT0

Manual Integrations  
APPROVED

sohil  
8/10/2016 6:50:46 PM

Quant Time: Aug 10 06:01:19 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080416.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Aug 10 05:01:49 2016  
Response via : Initial Calibration



TIC: BG023570.D

(13) 4-Methylphenol-d8 (S)

8.823min (-0.024) 14.20ng/ul m

response 152306

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 113.00 | 100   | 100    |
| 115.00 | 89.60 | 101.11 |
| 54.00  | 9.20  | 13.93# |
| 0.00   | 0.00  | 0.00   |

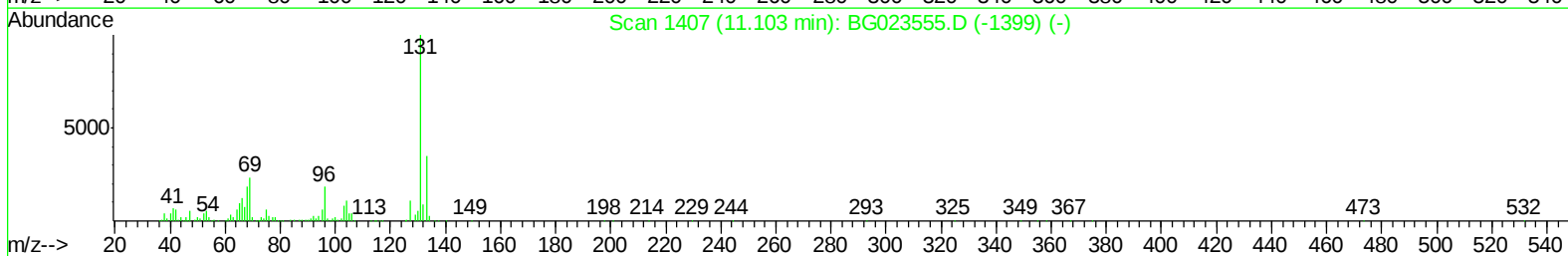
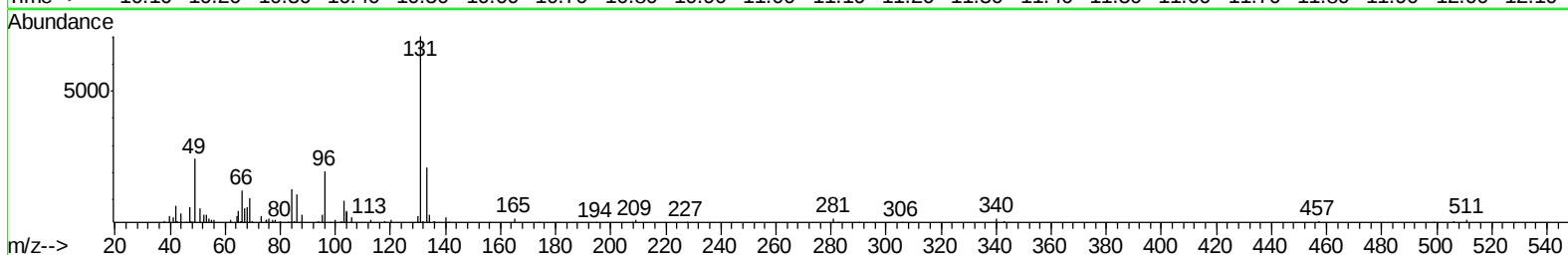
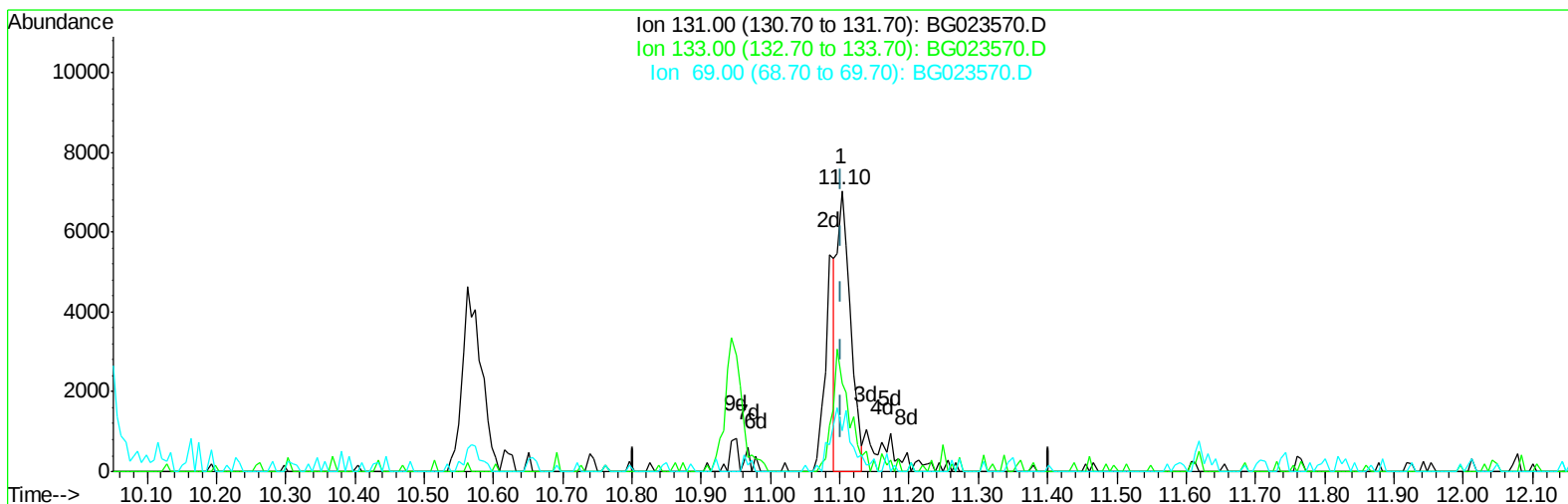
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080916\  
Data File : BG023570.D  
Acq On : 9 Aug 2016 23:43  
Operator : UM/SJ  
Sample : H4314-01  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BDJT0

Manual Integrations  
APPROVED

sohil  
8/10/2016 6:50:46 PM

Quant Time: Aug 10 06:01:19 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080416.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Aug 10 05:01:49 2016  
Response via : Initial Calibration



TIC: BG023570.D

(29) 4-Chloroaniline-d4 (S)  
11.103min (-0.001) 0.74ng/ul

response 9497

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 131.00 | 100   | 100   |
| 133.00 | 33.10 | 31.28 |
| 69.00  | 15.40 | 14.62 |
| 0.00   | 0.00  | 0.00  |

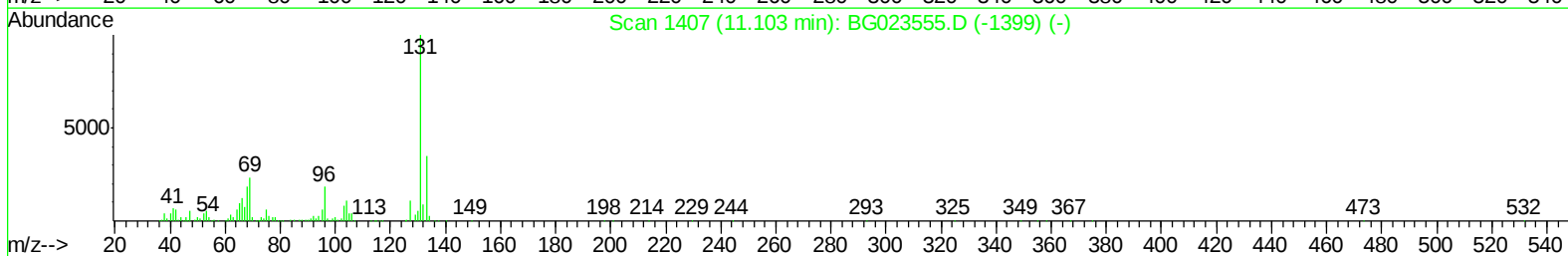
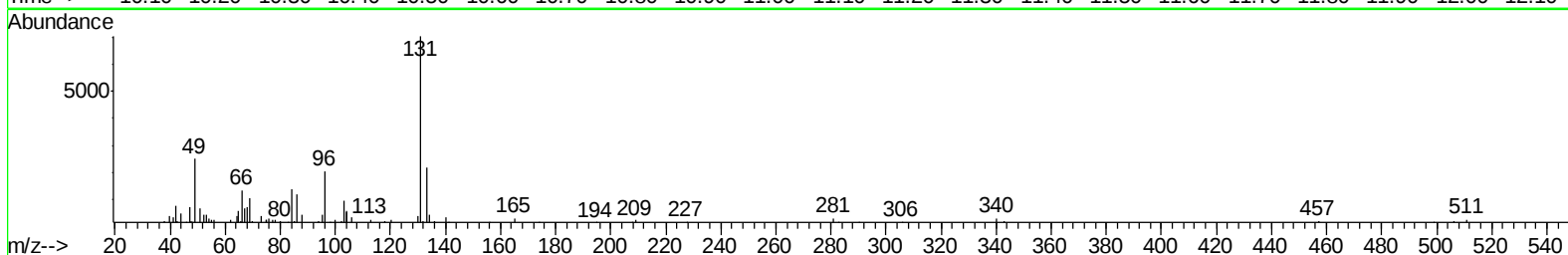
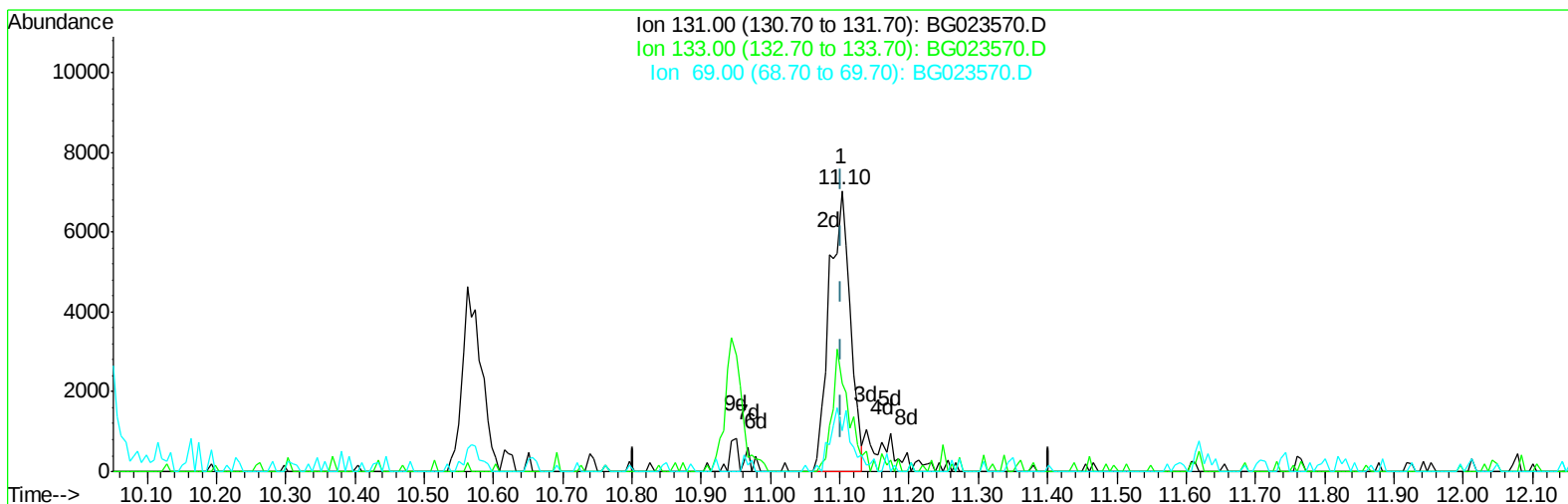
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080916\  
Data File : BG023570.D  
Acq On : 9 Aug 2016 23:43  
Operator : UM/SJ  
Sample : H4314-01  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BDJT0

Manual Integrations  
APPROVED

sohil  
8/10/2016 6:50:46 PM

Quant Time: Aug 10 06:01:19 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080416.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Aug 10 05:01:49 2016  
Response via : Initial Calibration



TIC: BG023570.D

(29) 4-Chloroaniline-d4 (S)

11.103min (-0.001) 1.16ng/ul m

response 14862

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 131.00 | 100   | 100   |
| 133.00 | 33.10 | 31.28 |
| 69.00  | 15.40 | 14.62 |
| 0.00   | 0.00  | 0.00  |

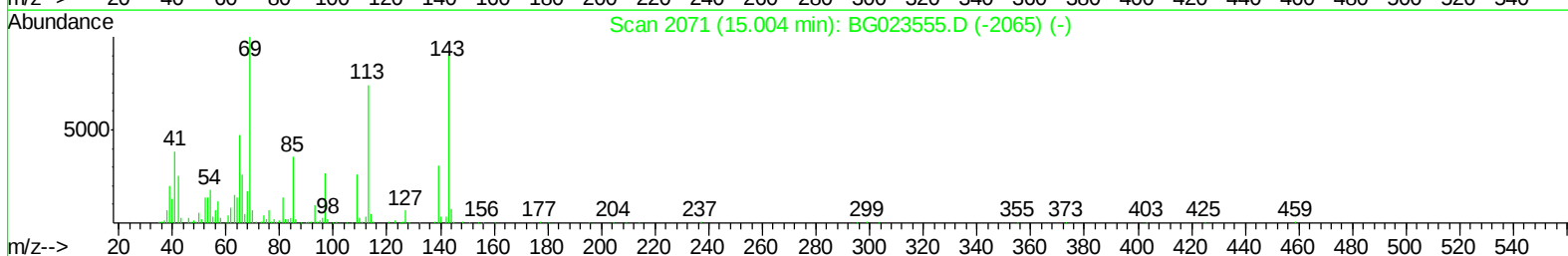
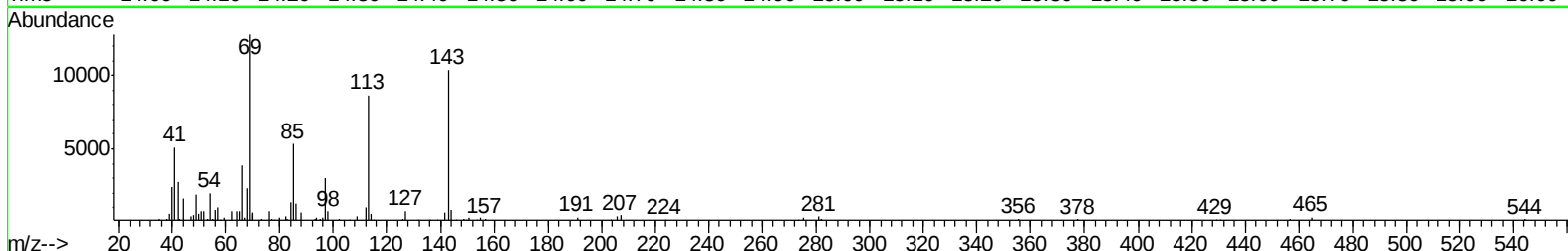
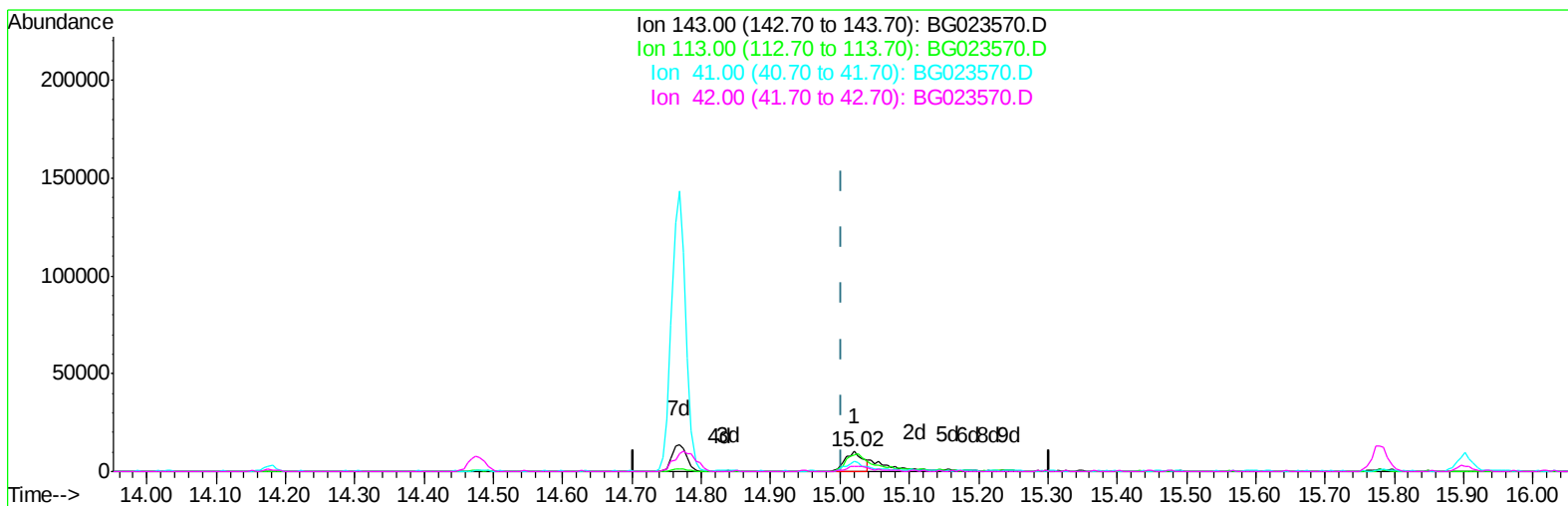
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080916\  
Data File : BG023570.D  
Acq On : 9 Aug 2016 23:43  
Operator : UM/SJ  
Sample : H4314-01  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BDJT0

Manual Integrations  
APPROVED

sohil  
8/10/2016 6:50:46 PM

Quant Time: Aug 10 06:01:19 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080416.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Aug 10 05:01:49 2016  
Response via : Initial Calibration



TIC: BG023570.D

(51) 4-Nitrophenol-d4 (S)

15.021min (+0.017) 2.86ng/ul

response 18855

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 143.00 | 100   | 100    |
| 113.00 | 53.50 | 83.07# |
| 41.00  | 26.90 | 49.14# |
| 42.00  | 16.10 | 26.25# |

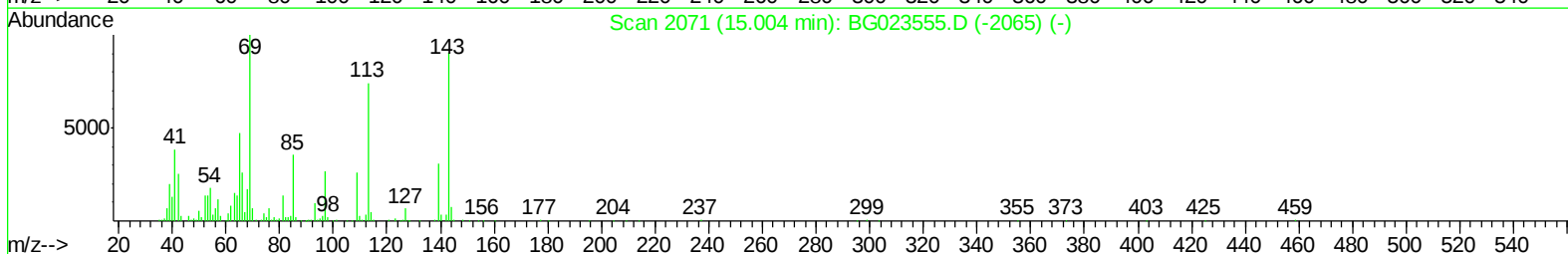
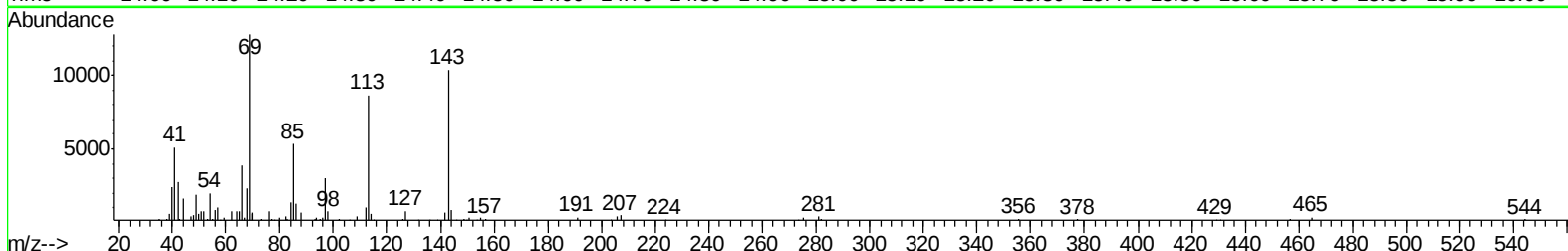
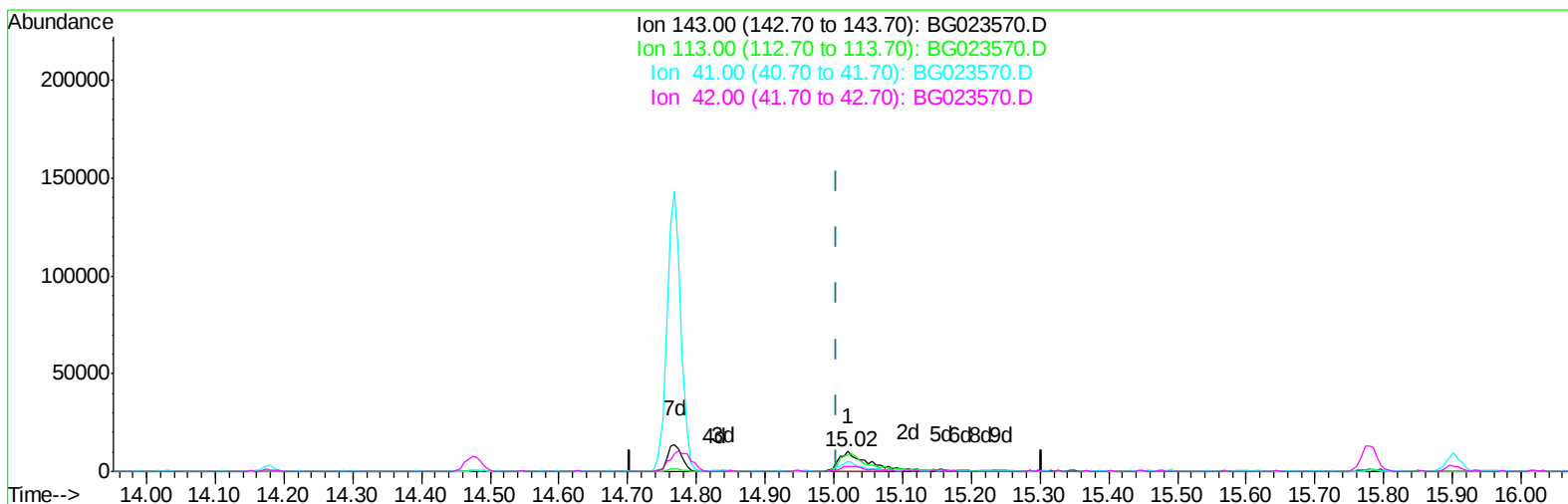
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080916\  
Data File : BG023570.D  
Acq On : 9 Aug 2016 23:43  
Operator : UM/SJ  
Sample : H4314-01  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BDJT0

Manual Integrations  
APPROVED

sohil  
8/10/2016 6:50:46 PM

Quant Time: Aug 10 06:01:19 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080416.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Aug 10 05:01:49 2016  
Response via : Initial Calibration



TIC: BG023570.D

(51) 4-Nitrophenol-d4 (S)

15.021min (+0.017) 4.11ng/ul m

response 27096

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 143.00 | 100   | 100    |
| 113.00 | 53.50 | 83.07# |
| 41.00  | 26.90 | 49.14# |
| 42.00  | 16.10 | 26.25# |

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080916\  
 Data File : BG023570.D  
 Acq On : 9 Aug 2016 23:43  
 Operator : UM/SJ  
 Sample : H4314-01  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BDJT0

Manual Integrations  
 APPROVED

sohil  
 8/10/2016 6:50:46 PM

Quant Time: Aug 10 06:03:01 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080416.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Aug 10 05:01:49 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.11  | 152  | 136399m  | 20.00 | ng/ul | -0.02    |
| 18) Naphthalene-d8        | 10.94 | 136  | 638416   | 20.00 | ng/ul | -0.02    |
| 35) Acenaphthene-d10      | 14.78 | 164  | 471768   | 20.00 | ng/ul | -0.01    |
| 61) Phenanthrene-d10      | 17.55 | 188  | 1197526  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.86 | 240  | 1223593  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 25.26 | 264  | 1192461  | 20.00 | ng/ul | 0.01     |

## System Monitoring Compounds

|                                |       |     |         |       |       |       |
|--------------------------------|-------|-----|---------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.48  | 96  | 2046    | 0.64  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 7.27  | 99  | 84150m  | 6.12  | ng/ul | -0.02 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.43  | 67  | 244221  | 27.74 | ng/ul | -0.02 |
| 9) 2-Chlorophenol-d4           | 7.64  | 132 | 204370m | 21.80 | ng/ul | -0.02 |
| 13) 4-Methylphenol-d8          | 8.82  | 113 | 152306m | 14.20 | ng/ul | -0.02 |
| 19) Nitrobenzene-d5            | 9.29  | 128 | 140577  | 27.94 | ng/ul | -0.02 |
| 22) 2-Nitrophenol-d4           | 10.02 | 143 | 158079  | 27.35 | ng/ul | -0.02 |
| 26) 2,4-Dichlorophenol-d3      | 10.57 | 165 | 261313  | 23.97 | ng/ul | -0.02 |
| 29) 4-Chloroaniline-d4         | 11.10 | 131 | 14862m  | 1.16  | ng/ul | 0.00  |
| 43) Dimethylphthalate-d6       | 14.18 | 166 | 1060964 | 27.47 | ng/ul | 0.00  |
| 46) Acenaphthylene-d8          | 14.47 | 160 | 1228172 | 28.25 | ng/ul | -0.01 |
| 51) 4-Nitrophenol-d4           | 15.02 | 143 | 27096m  | 4.11  | ng/ul | 0.02  |
| 57) Fluorene-d10               | 15.78 | 176 | 993182  | 27.83 | ng/ul | 0.00  |
| 62) 4,6-Dinitro-2-methylphenol | 15.90 | 200 | 180962  | 23.55 | ng/ul | 0.00  |
| 70) Anthracene-d10             | 17.65 | 188 | 1537277 | 28.49 | ng/ul | 0.00  |
| 76) Pyrene-d10                 | 19.94 | 212 | 1717259 | 27.73 | ng/ul | 0.00  |
| 87) Benzo(a)pyrene-d12         | 25.03 | 264 | 1535503 | 28.45 | ng/ul | 0.02  |

| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

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

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080916\  
Data File : BG023570.D  
Acq On : 9 Aug 2016 23:43  
Operator : UM/SJ  
Sample : H4314-01  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BDJT0

Manual Integrations  
APPROVED

sohil  
8/10/2016 6:50:46 PM

Quant Time: Aug 10 06:03:01 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080416.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Aug 10 05:01:49 2016  
Response via : Initial Calibration

