

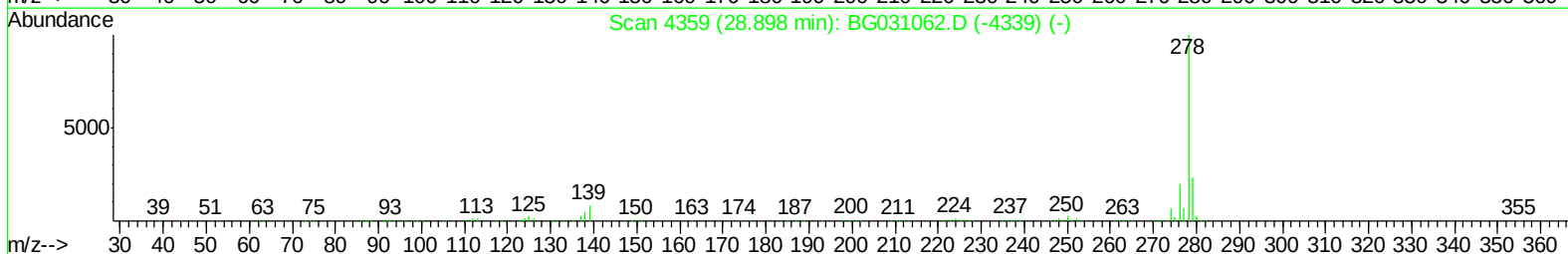
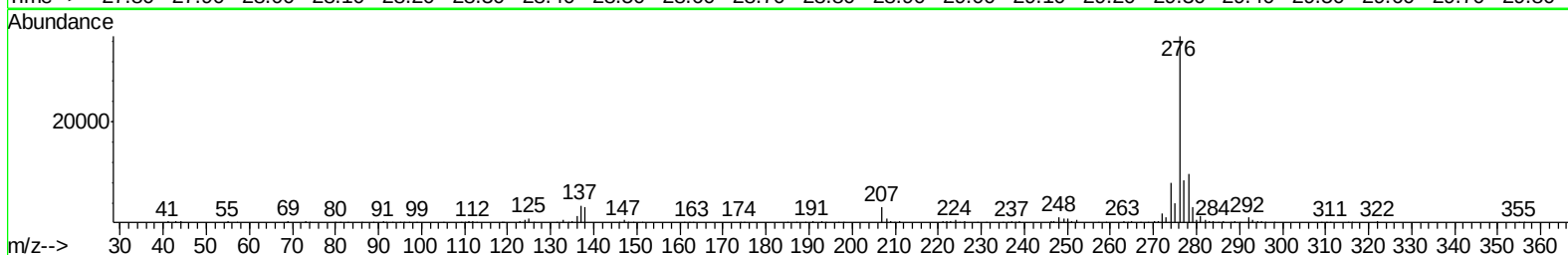
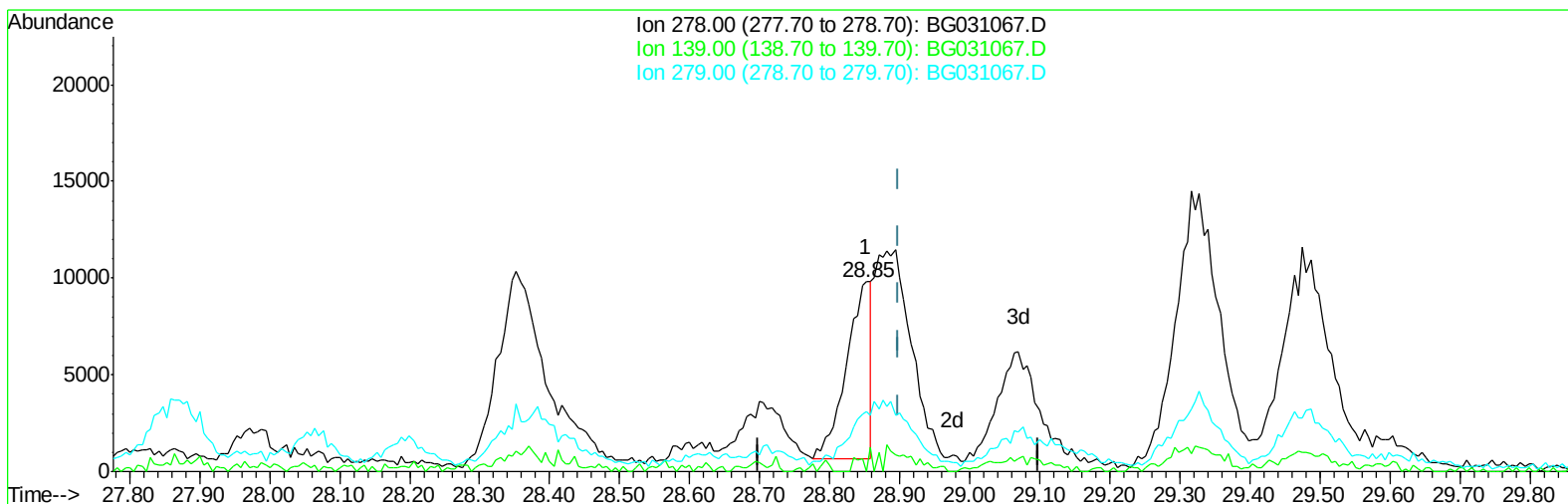
Data Path : Z:\HPCHEM1\BNA G\DATA\BG111617\  
Data File : BG031067.D  
Acq On : 17 Nov 2017 5:23  
Operator : SJ/JU  
Sample : I6350-05  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampled :  
B0F91

Manual Integrations  
APPROVED

SOHIL  
11/17/2017 5:12:53 PM

Quant Time: Nov 17 07:00:40 2017  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG111617-PAH.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Nov 17 04:52:45 2017  
Response via : Initial Calibration



TIC: BG031067.D

(29) Dibenzo(a,h)anthracene

28.852min (-0.046) 0.88ng/ul

response 22642

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 278.00 | 100   | 100    |
| 139.00 | 17.50 | 0.00#  |
| 279.00 | 25.80 | 31.42# |
| 0.00   | 0.00  | 0.00   |

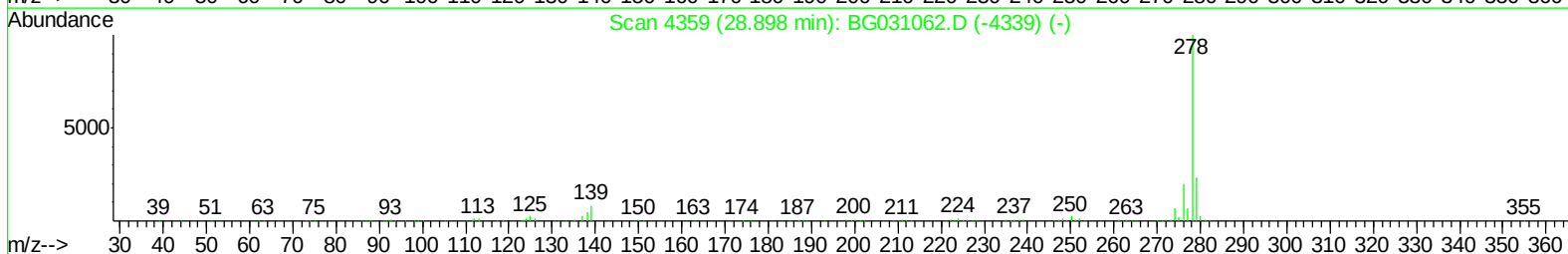
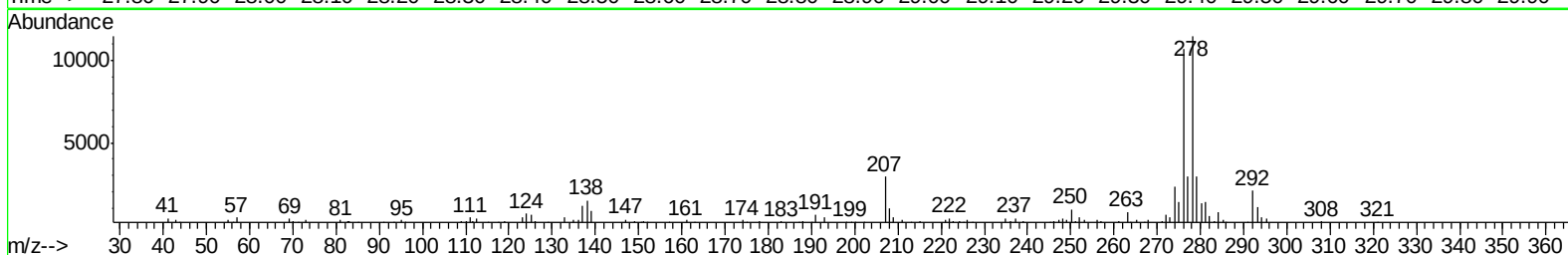
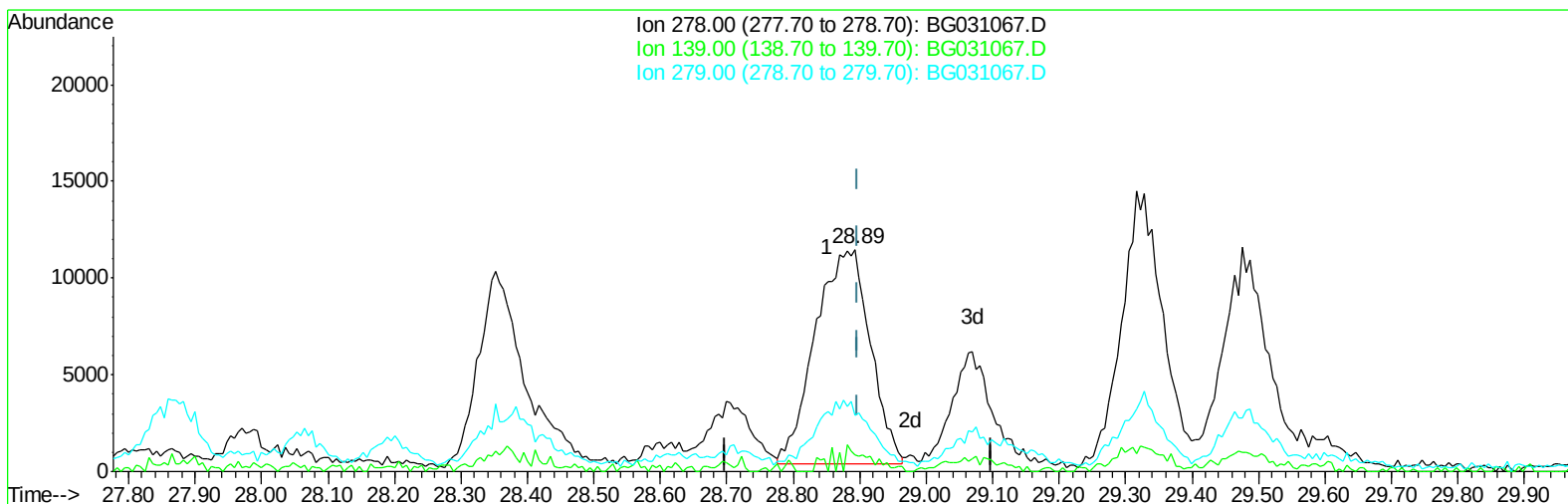
Data Path : Z:\HPCHEM1\BNA G\DATA\BG111617\  
Data File : BG031067.D  
Acq On : 17 Nov 2017 5:23  
Operator : SJ/JU  
Sample : I6350-05  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
B0F91

Manual Integrations  
APPROVED

SOHIL  
11/17/2017 5:12:53 PM

Quant Time: Nov 17 07:00:40 2017  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG111617-PAH.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Nov 17 04:52:45 2017  
Response via : Initial Calibration



TIC: BG031067.D

(29) Dibenzo(a,h)anthracene

28.893min (-0.005) 2.46ng/ul m

response 63202

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 278.00 | 100   | 100   |
| 139.00 | 17.50 | 7.64# |
| 279.00 | 25.80 | 25.35 |
| 0.00   | 0.00  | 0.00  |

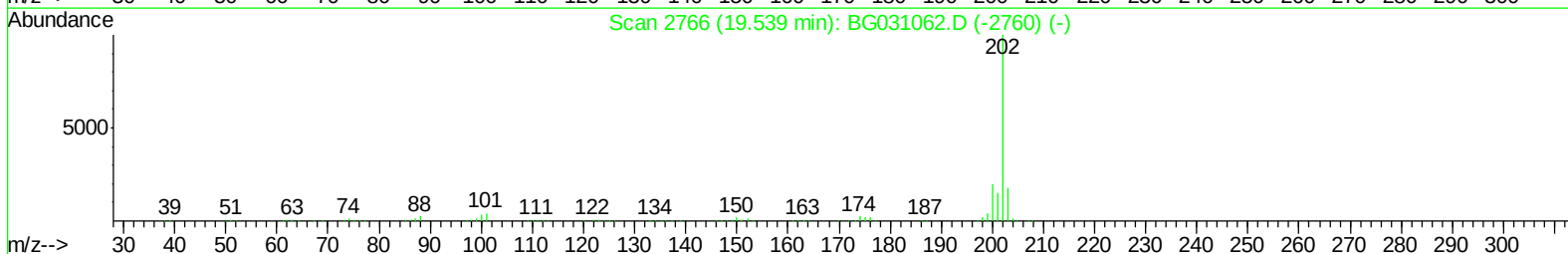
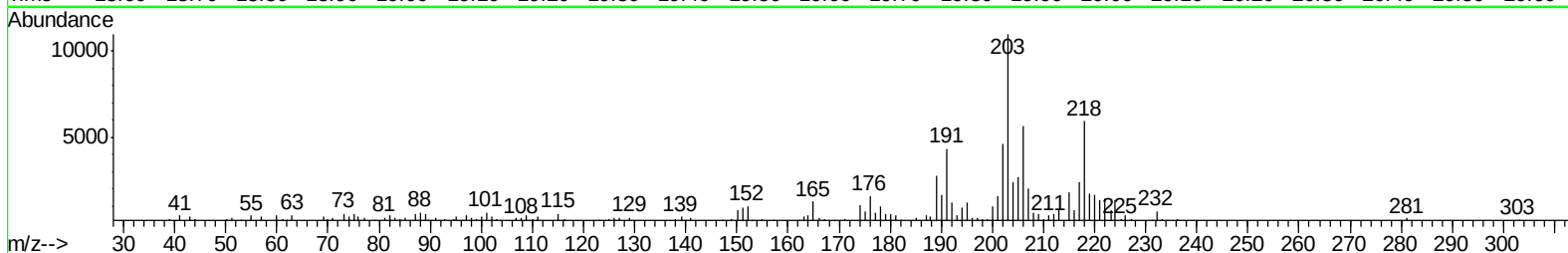
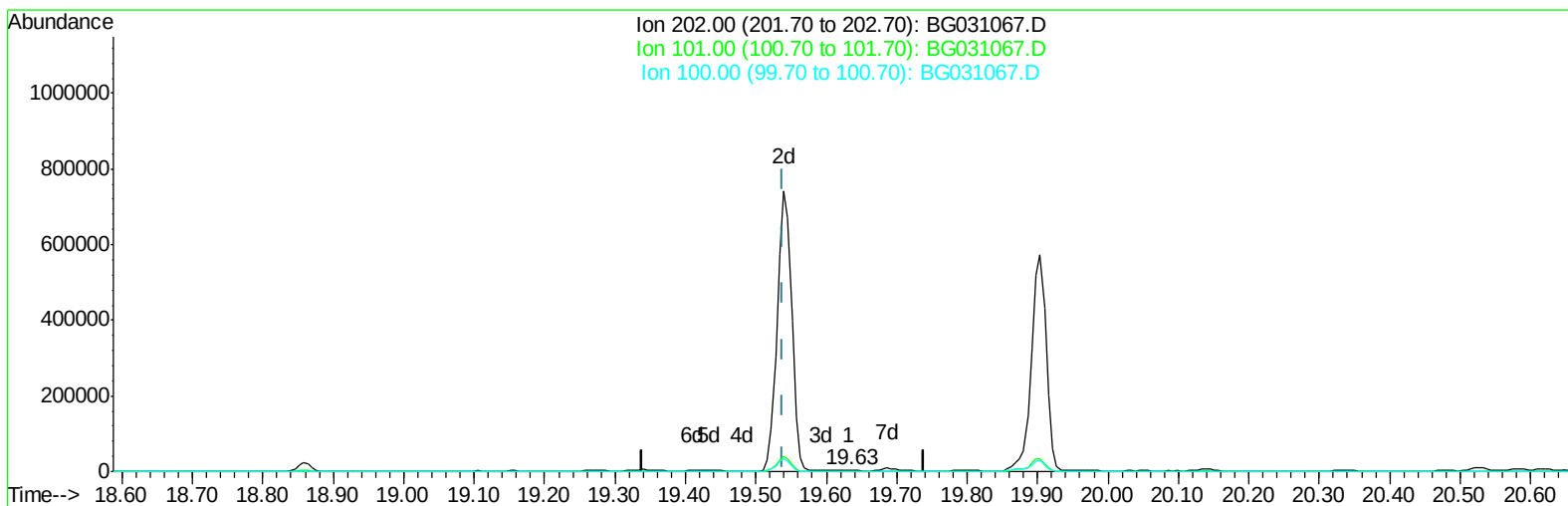
Data Path : Z:\HPCHEM1\BNA G\DATA\BG111617\  
Data File : BG031067.D  
Acq On : 17 Nov 2017 5:23  
Operator : SJ/JU  
Sample : I6350-05  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
B0F91

Manual Integrations  
APPROVED

SOHIL  
11/17/2017 5:12:53 PM

Quant Time: Nov 17 06:48:34 2017  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG111617-PAH.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Nov 17 04:52:45 2017  
Response via : Initial Calibration



TIC: BG031067.D

(17) Fluoranthene (C)

19.634min (+0.095) 0.19ng/ul

response 5043

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 202.00 | 100   | 100   |
| 101.00 | 12.30 | 13.25 |
| 100.00 | 9.40  | 8.35  |
| 0.00   | 0.00  | 0.00  |

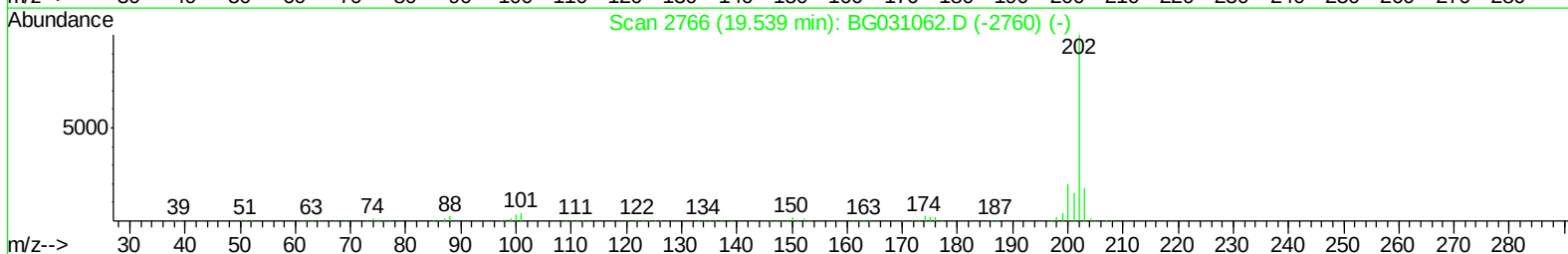
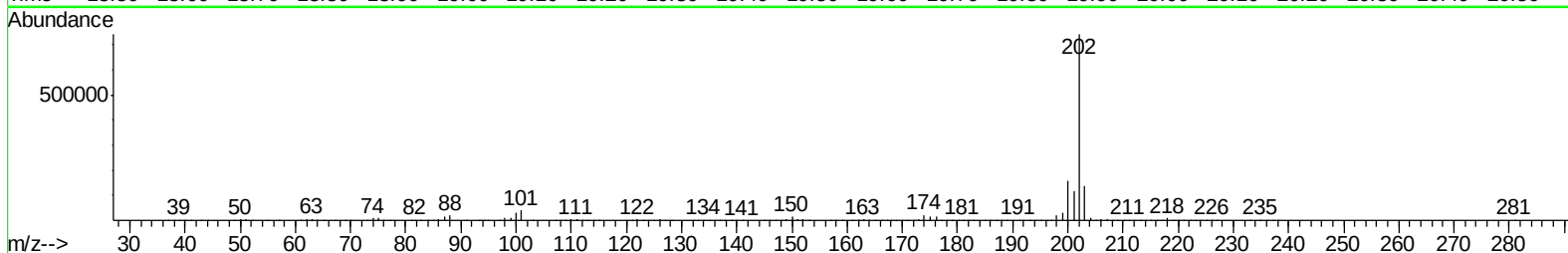
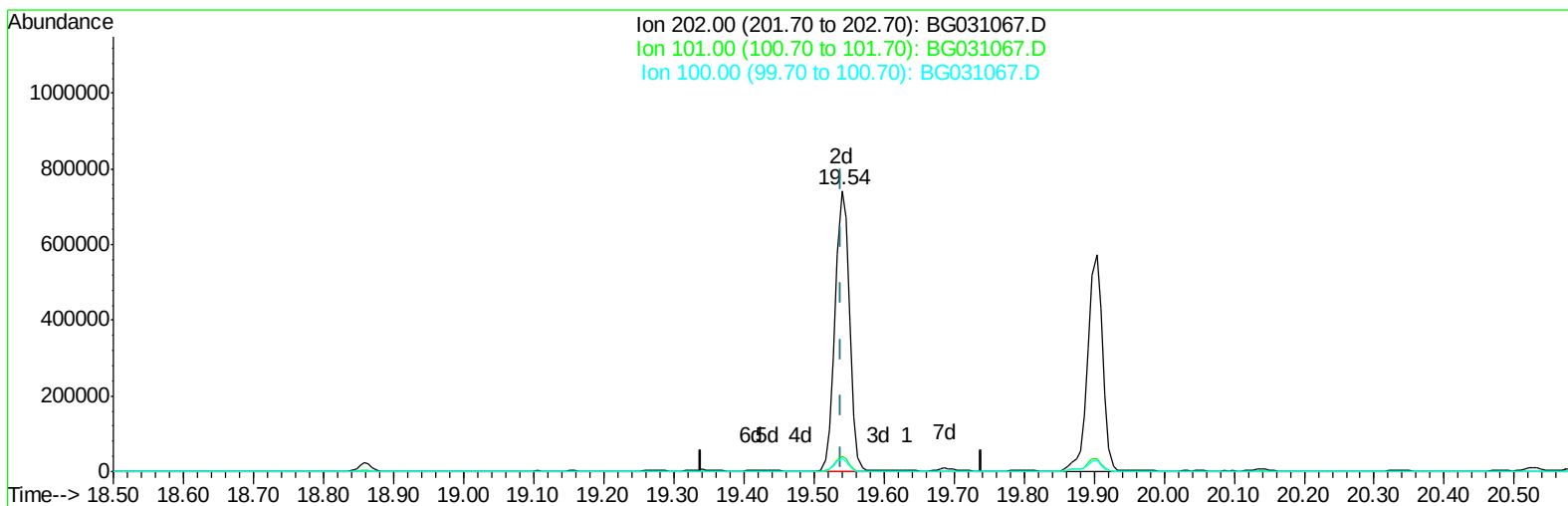
Data Path : Z:\HPCHEM1\BNA G\DATA\BG111617\  
 Data File : BG031067.D  
 Acq On : 17 Nov 2017 5:23  
 Operator : SJ/JU  
 Sample : I6350-05  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 B0F91

Manual Integrations  
 APPROVED

SOHIL  
 11/17/2017 5:12:53 PM

Quant Time: Nov 17 06:48:34 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG111617-PAH.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Nov 17 04:52:45 2017  
 Response via : Initial Calibration



TIC: BG031067.D

(17) Fluoranthene (C)

19.539min (+0.001) 40.69ng/ul m

response 1068170

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 202.00 | 100   | 100   |
| 101.00 | 12.30 | 5.36# |
| 100.00 | 9.40  | 4.34# |
| 0.00   | 0.00  | 0.00  |

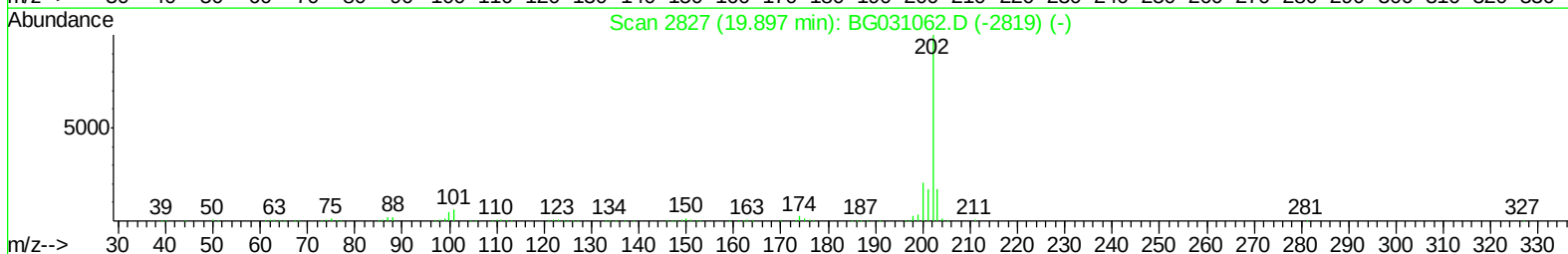
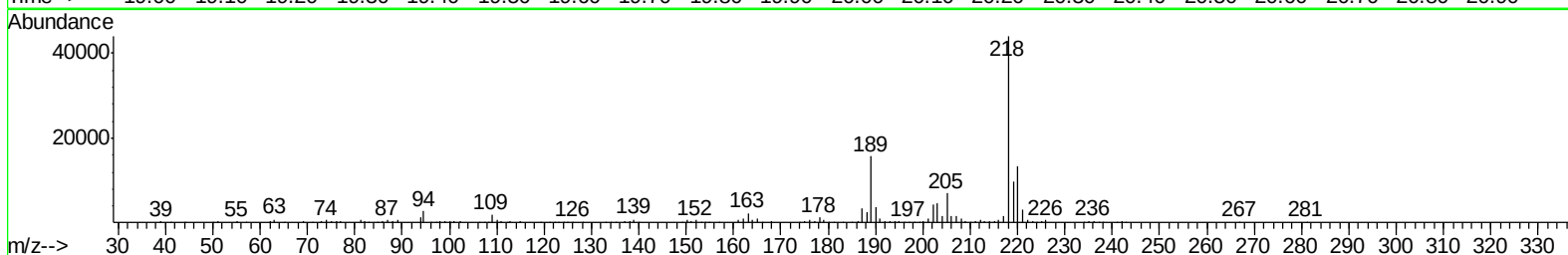
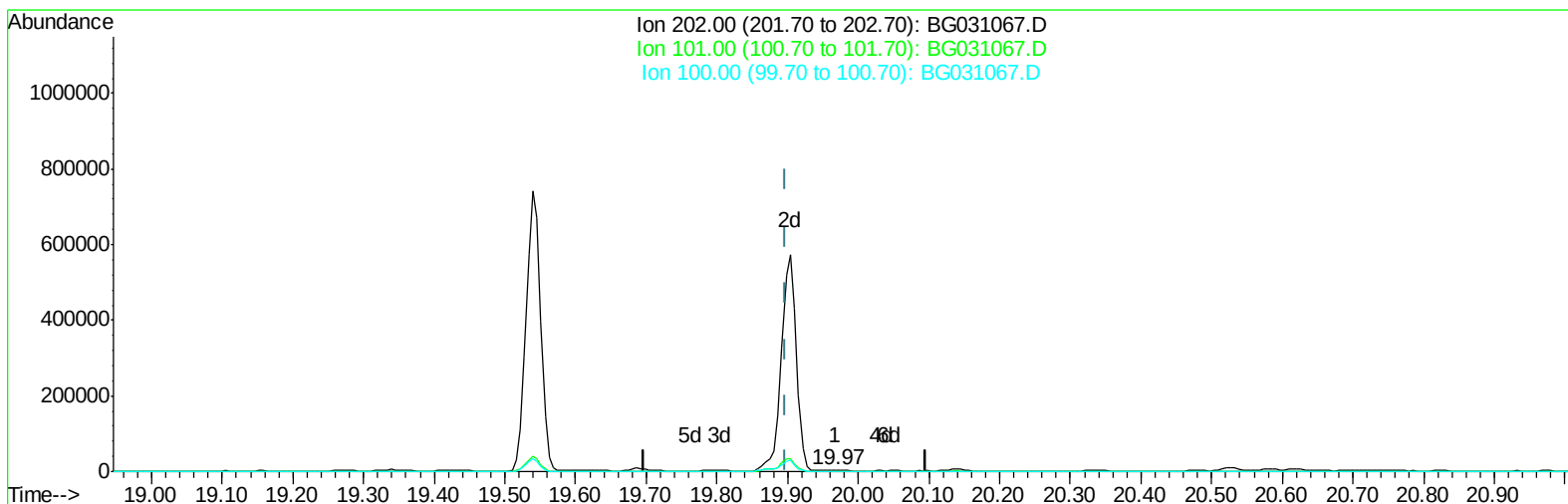
Data Path : Z:\HPCHEM1\BNA G\DATA\BG111617\  
Data File : BG031067.D  
Acq On : 17 Nov 2017 5:23  
Operator : SJ/JU  
Sample : I6350-05  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
B0F91

Manual Integrations  
APPROVED

SOHIL  
11/17/2017 5:12:53 PM

Quant Time: Nov 17 06:48:34 2017  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG111617-PAH.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Nov 17 04:52:45 2017  
Response via : Initial Calibration



TIC: BG031067.D

(20) Pyrene

19.968min (+0.071) 0.27ng/ul

response 6486

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 202.00 | 100   | 100   |
| 101.00 | 14.00 | 13.26 |
| 100.00 | 12.20 | 10.11 |
| 0.00   | 0.00  | 0.00  |

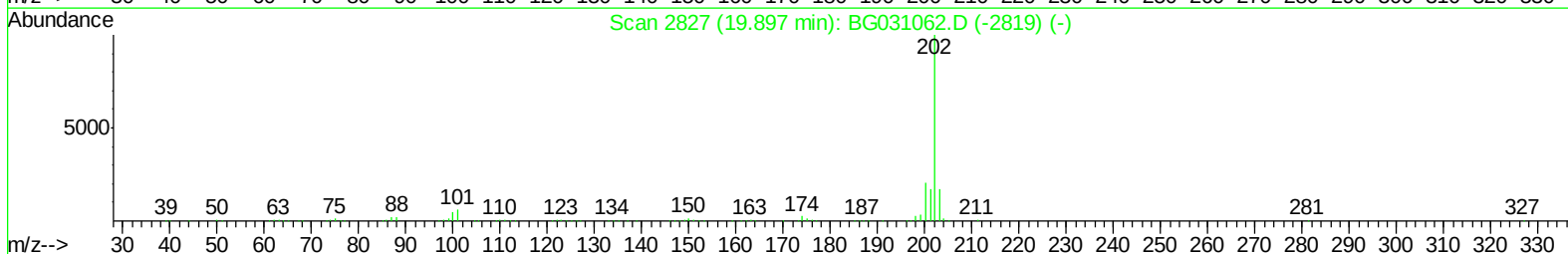
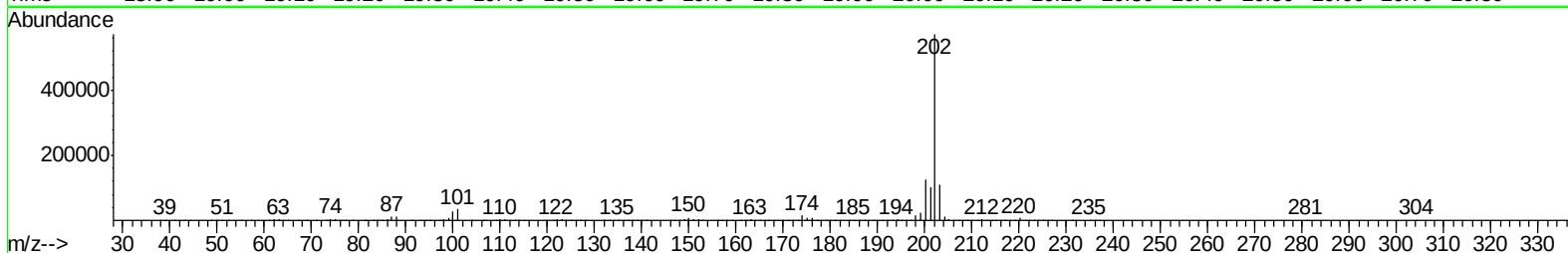
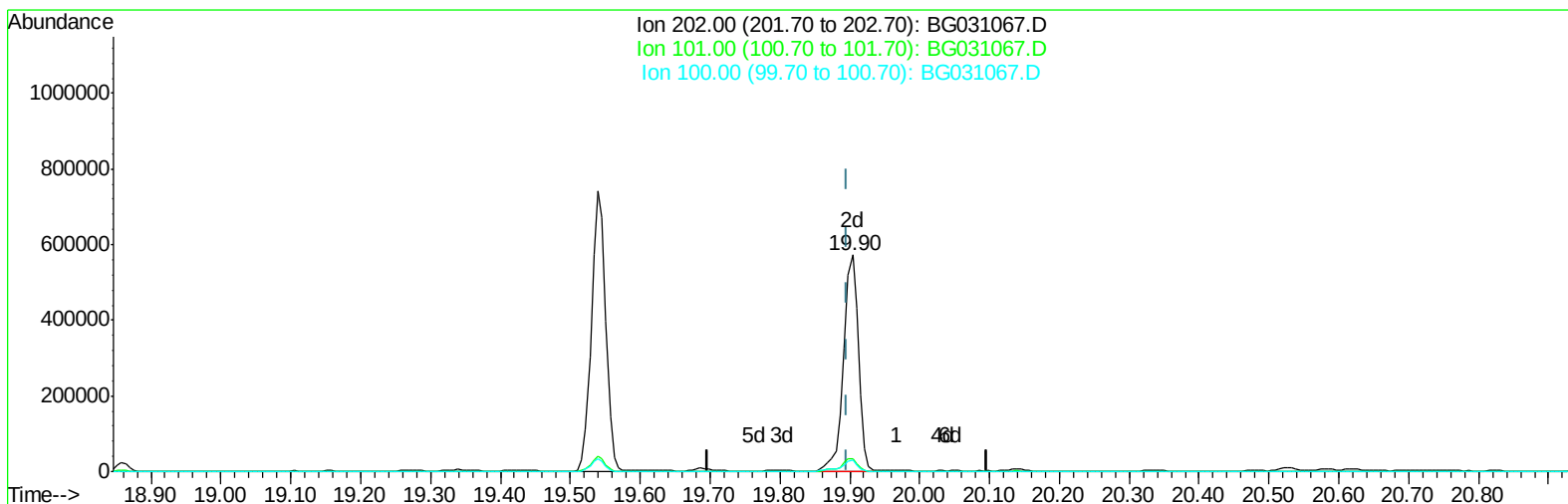
Data Path : Z:\HPCHEM1\BNA G\DATA\BG111617\  
Data File : BG031067.D  
Acq On : 17 Nov 2017 5:23  
Operator : SJ/JU  
Sample : I6350-05  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
B0F91

Manual Integrations  
APPROVED

SOHIL  
11/17/2017 5:12:53 PM

Quant Time: Nov 17 06:48:34 2017  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG111617-PAH.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Nov 17 04:52:45 2017  
Response via : Initial Calibration



TIC: BG031067.D

(20) Pyrene

19.904min (+0.007) 34.95ng/ul m

response 848846

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 202.00 | 100   | 100   |
| 101.00 | 14.00 | 6.10# |
| 100.00 | 12.20 | 5.17# |
| 0.00   | 0.00  | 0.00  |

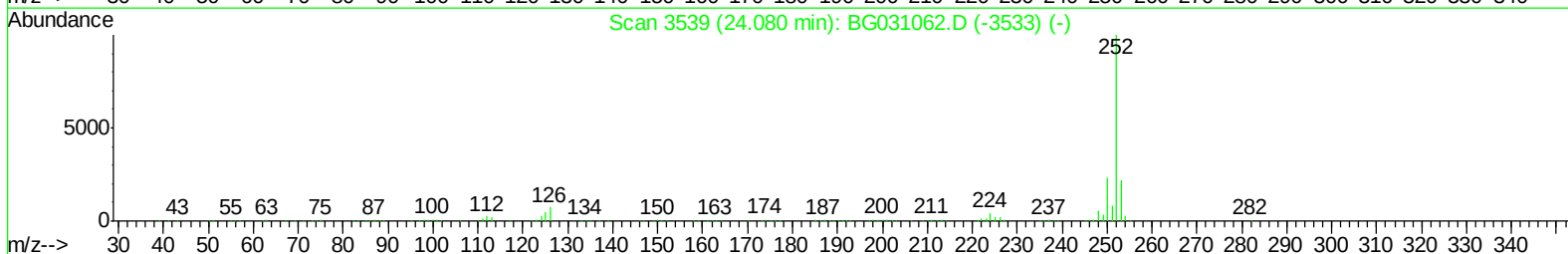
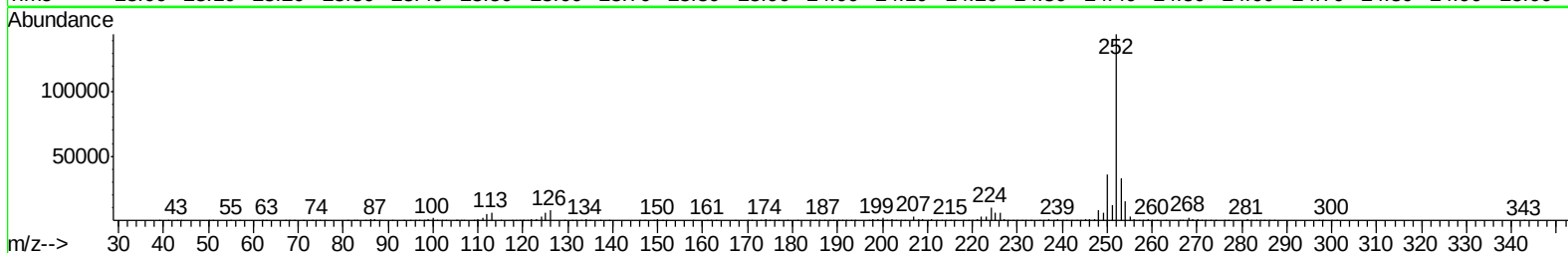
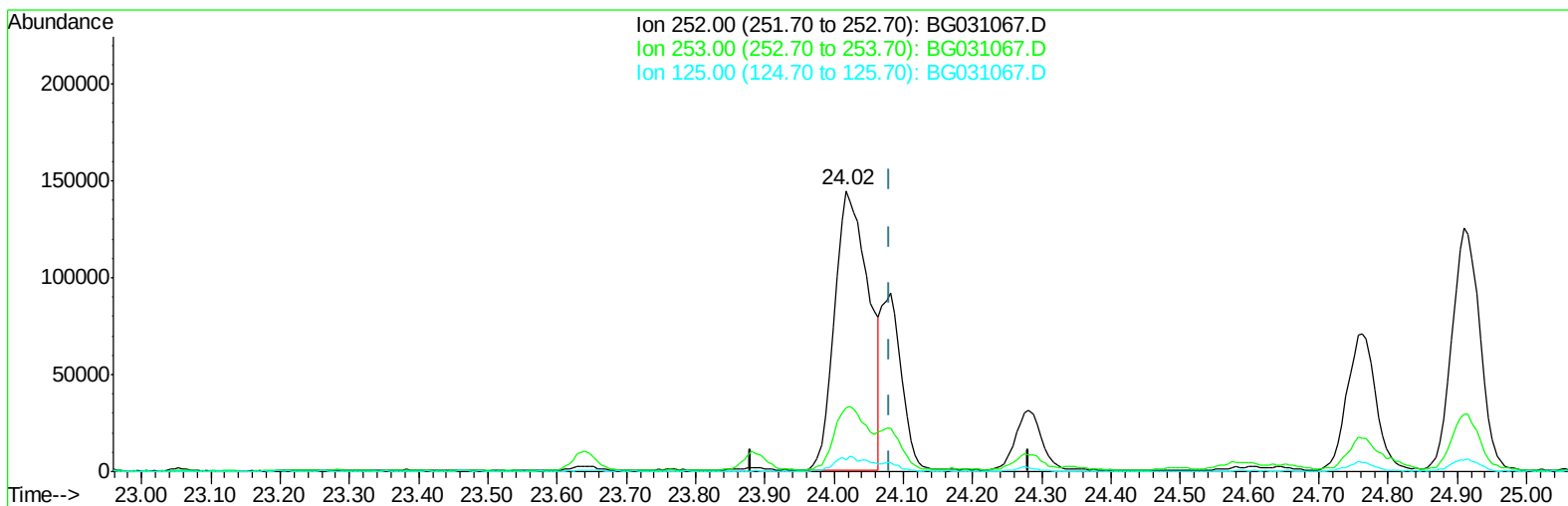
Data Path : Z:\HPCHEM1\BNA G\DATA\BG111617\  
Data File : BG031067.D  
Acq On : 17 Nov 2017 5:23  
Operator : SJ/JU  
Sample : I6350-05  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
B0F91

Manual Integrations  
APPROVED

SOHIL  
11/17/2017 5:12:53 PM

Quant Time: Nov 17 06:48:34 2017  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG111617-PAH.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Nov 17 04:52:45 2017  
Response via : Initial Calibration



TIC: BG031067.D

(25) Benzo(k)fluoranthene

24.017min (-0.064) 17.75ng/ul

response 495896

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 21.80 | 22.94 |
| 125.00 | 11.00 | 4.27# |
| 0.00   | 0.00  | 0.00  |

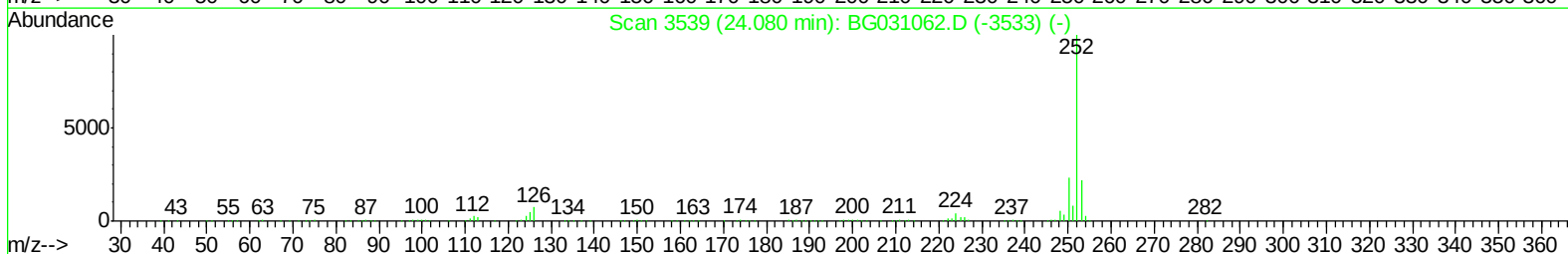
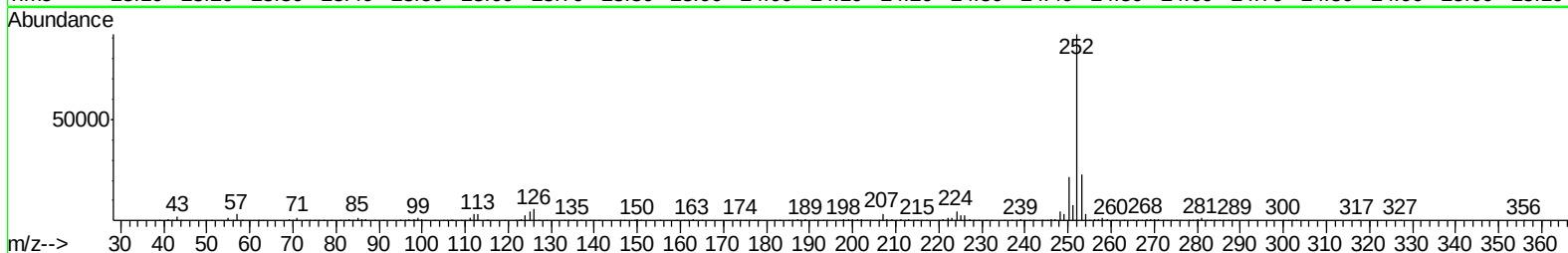
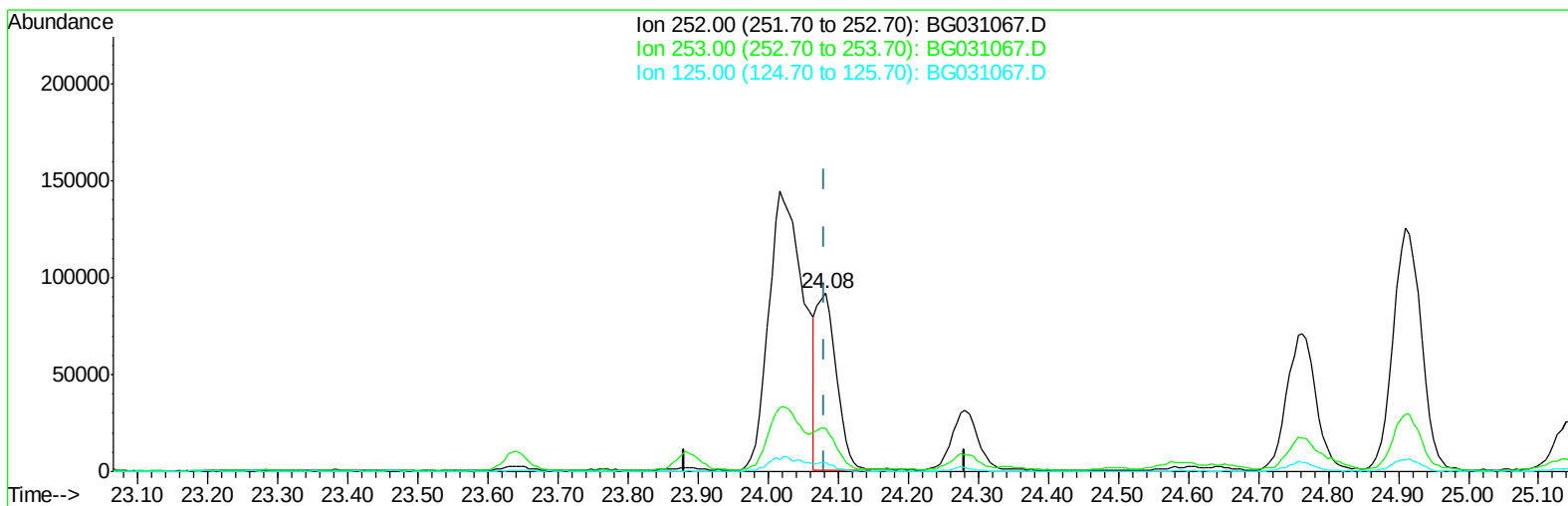
Data Path : Z:\HPCHEM1\BNA G\DATA\BG111617\  
Data File : BG031067.D  
Acq On : 17 Nov 2017 5:23  
Operator : SJ/JU  
Sample : I6350-05  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
B0F91

Manual Integrations  
APPROVED

SOHIL  
11/17/2017 5:12:53 PM

Quant Time: Nov 17 06:48:34 2017  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG111617-PAH.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Nov 17 04:52:45 2017  
Response via : Initial Calibration



TIC: BG031067.D

(25) Benzo(k)fluoranthene

24.081min (+0.001) 6.49ng/ul m

response 181420

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 21.80 | 24.51 |
| 125.00 | 11.00 | 4.84# |
| 0.00   | 0.00  | 0.00  |



Data Path : Z:\HPCHEM1\BNA G\DATA\BG111617\  
 Data File : BG031067.D  
 Acq On : 17 Nov 2017 5:23  
 Operator : SJ/JU  
 Sample : I6350-05  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 B0F91

Manual Integrations  
 APPROVED

SOHIL  
 11/17/2017 5:12:53 PM

Quant Time: Nov 17 07:01:52 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG111617-PAH.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Nov 17 04:52:45 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.14  | 152  | 33450    | 20.00 | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.95 | 136  | 150973   | 20.00 | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.76 | 164  | 117392   | 20.00 | ng/ul  | 0.00     |
| 12) Phenanthrene-d10        | 17.49 | 188  | 351505   | 20.00 | ng/ul  | 0.00     |
| 18) Chrysene-d12            | 21.77 | 240  | 457626   | 20.00 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 25.07 | 264  | 469374   | 20.00 | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 3) 2,4-Dichlorophenol-d3    | 10.58 | 165  | 61168    | 21.47 | ng/uL  | 0.00     |
| 7) Acenaphthylene-d8        | 14.45 | 160  | 279977   | 22.93 | ng/ul  | 0.00     |
| 10) Fluorene-d10            | 15.74 | 176  | 238634   | 24.34 | ng/ul  | 0.00     |
| 15) Anthracene-d10          | 17.59 | 188  | 415068   | 23.59 | ng/ul  | 0.00     |
| 19) Pyrene-d10              | 19.87 | 212  | 553691   | 26.49 | ng/ul  | 0.00     |
| 26) Benzo(a)pyrene-d12      | 24.85 | 264  | 568013   | 24.46 | ng/ul  | 0.00     |
| Target Compounds            |       |      |          |       |        |          |
|                             |       |      |          |       |        | Qvalue   |
| 8) Acenaphthylene           | 14.48 | 152  | 18027    | 1.69  | ng/ul  | 94       |
| 9) Acenaphthene             | 14.82 | 153  | 39555    | 5.13  | ng/ul  | 93       |
| 11) Fluorene                | 15.80 | 166  | 54159    | 5.54  | ng/ul# | 94       |
| 14) Phenanthrene            | 17.54 | 178  | 832470   | 44.13 | ng/ul  | 98       |
| 16) Anthracene              | 17.63 | 178  | 205659   | 10.74 | ng/ul  | 98       |
| 17) Fluoranthene            | 19.54 | 202  | 1068170m | 40.69 | ng/ul  |          |
| 20) Pyrene                  | 19.90 | 202  | 848846m  | 34.95 | ng/ul  |          |
| 21) Benzo(a)anthracene      | 21.75 | 228  | 574307   | 20.60 | ng/ul  | 99       |
| 22) Chrysene                | 21.81 | 228  | 476185   | 17.96 | ng/ul  | 97       |
| 24) Benzo(b)fluoranthene    | 24.02 | 252  | 495896   | 17.49 | ng/ul# | 92       |
| 25) Benzo(k)fluoranthene    | 24.08 | 252  | 181420m  | 6.49  | ng/ul  |          |
| 27) Benzo(a)pyrene          | 24.91 | 252  | 348546   | 12.82 | ng/ul# | 90       |
| 28) Indeno(1,2,3-cd)pyrene  | 28.83 | 276  | 179914   | 5.81  | ng/ul# | 87       |
| 29) Dibenzo(a,h)anthracene  | 28.89 | 278  | 63202m   | 2.46  | ng/ul  |          |
| 30) Benzo(a,h,i)perylene    | 30.02 | 276  | 125128   | 4.85  | ng/ul# | 85       |

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

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Acq On : 17 Nov 2017 5:23  
Operator : SJ/JU  
Sample : I6350-05  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
B0F91

Manual Integrations  
APPROVED

SOHIL  
11/17/2017 5:12:53 PM

Quant Time: Nov 17 07:01:52 2017  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG111617-PAH.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Nov 17 04:52:45 2017  
Response via : Initial Calibration

