

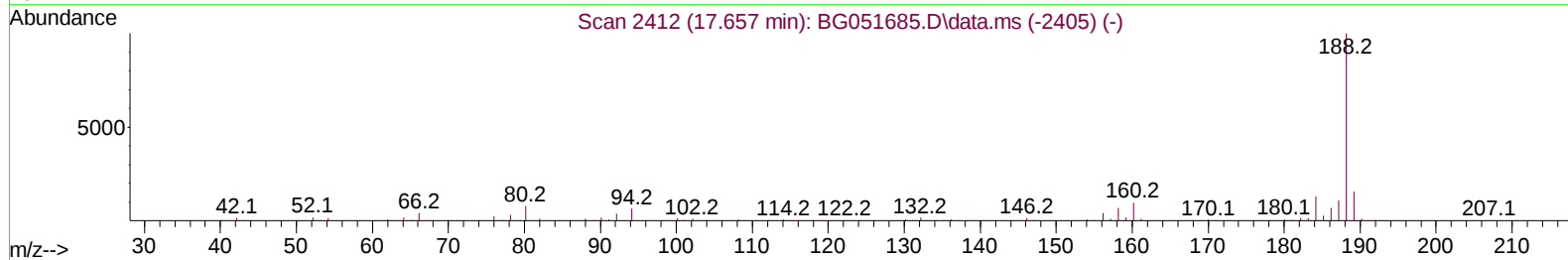
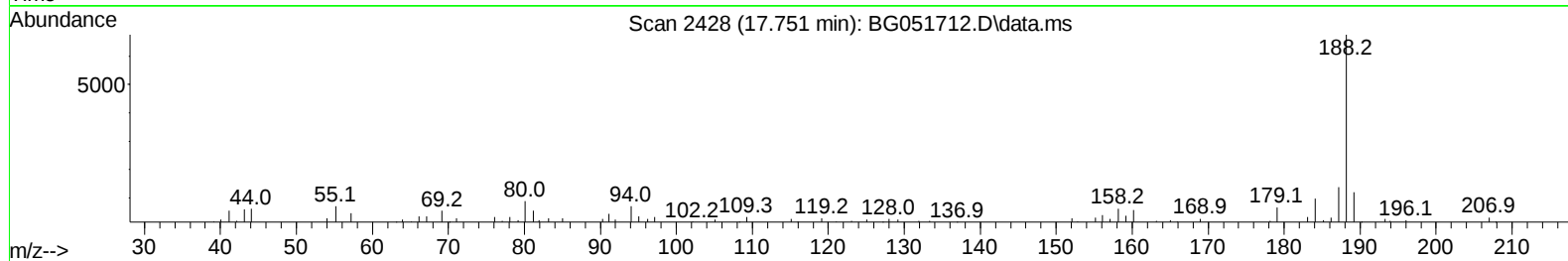
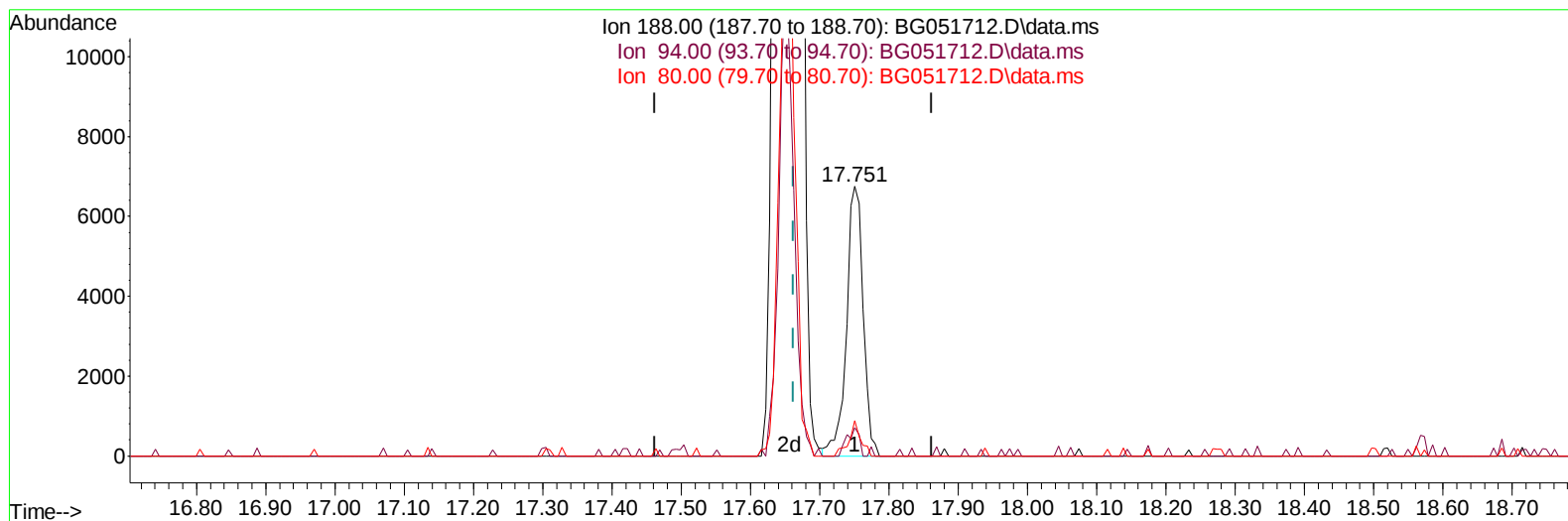
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG122021\  
 Data File : BG051712.D  
 Acq On : 21 Dec 2021 12:10  
 Operator : CG/JU  
 Sample : M5171-10DL2 20X  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BGLA6DL2

Manual IntegrationsAPPROVED

Quant Time: Dec 21 12:45:37 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG121421.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Dec 14 14:19:57 2021  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/21/2021  
 Supervised By :mohammad ahmed 12/28/2021



TIC: BG051712.D\data.ms

**(64) Phenanthrene-d10 (I)**

**17.751min (+ 0.089) 20.00 ng/u1**

**response 11303**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 188.00 | 100.00 | 100.00 |
| 94.00  | 9.50   | 10.43  |
| 80.00  | 11.40  | 13.19  |
| 0.00   | 0.00   | 0.00   |

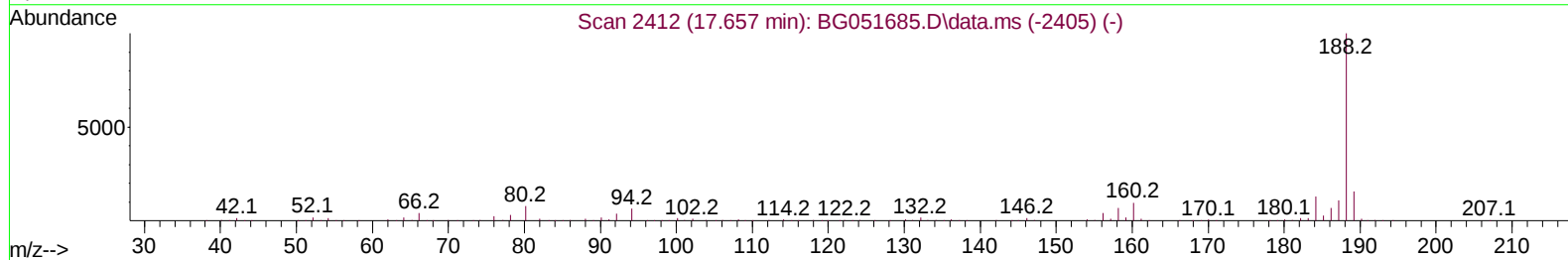
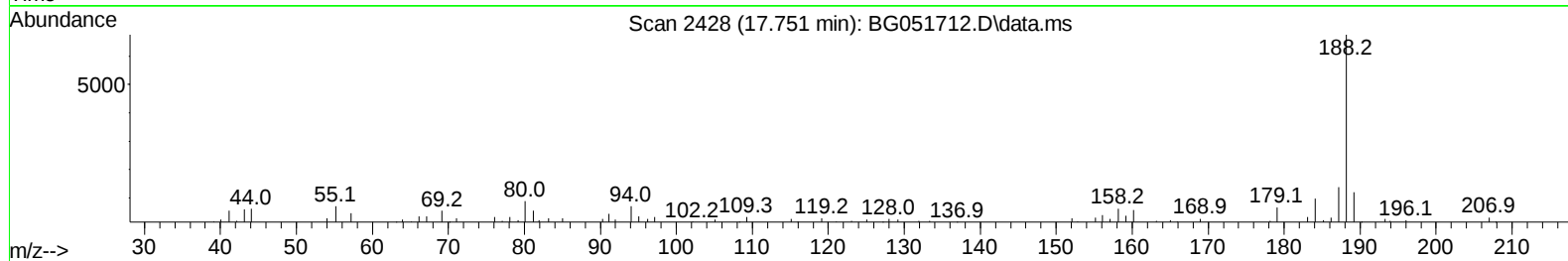
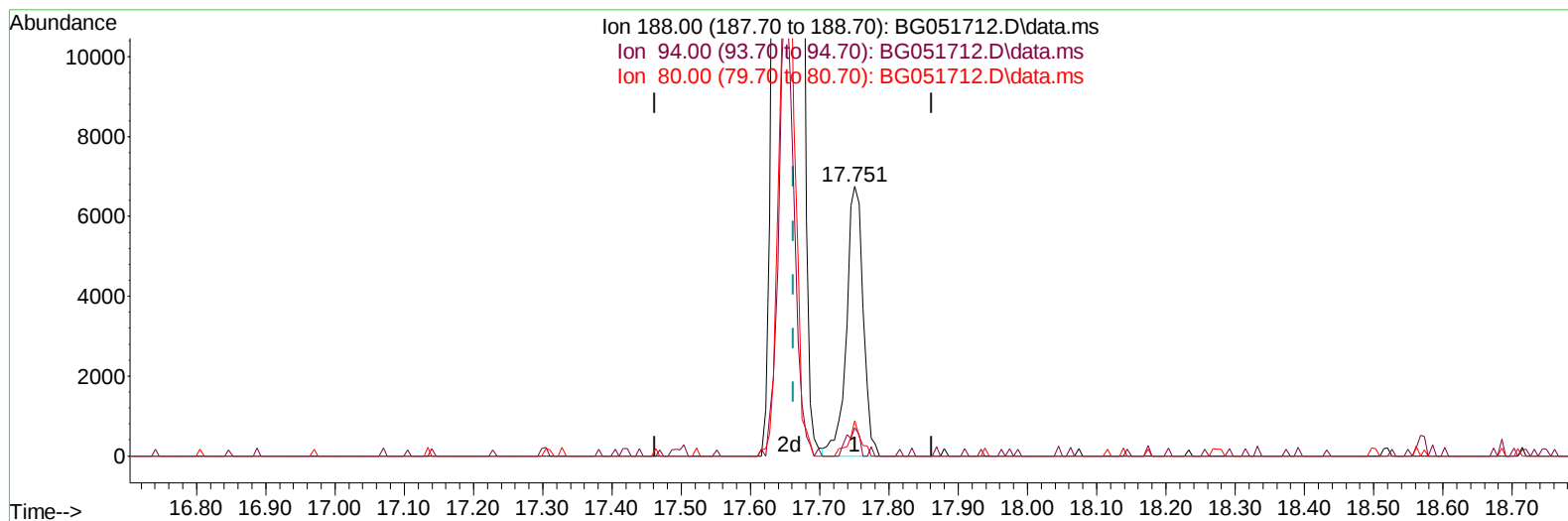
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 Data File : BG051712.D  
 Acq On : 21 Dec 2021 12:10  
 Operator : CG/JU  
 Sample : M5171-10DL2 20X  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BGLA6DL2

Manual IntegrationsAPPROVED

Quant Time: Dec 21 12:45:37 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG121421.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Dec 14 14:19:57 2021  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/21/2021  
 Supervised By :mohammad ahmed 12/28/2021



TIC: BG051712.D\data.ms

**(64) Phenanthrene-d10 (I)**

**17.751min (+ 0.089) 20.00 ng/u1**

**response 11303**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 188.00 | 100.00 | 100.00 |
| 94.00  | 9.50   | 10.43  |
| 80.00  | 11.40  | 13.19  |
| 0.00   | 0.00   | 0.00   |

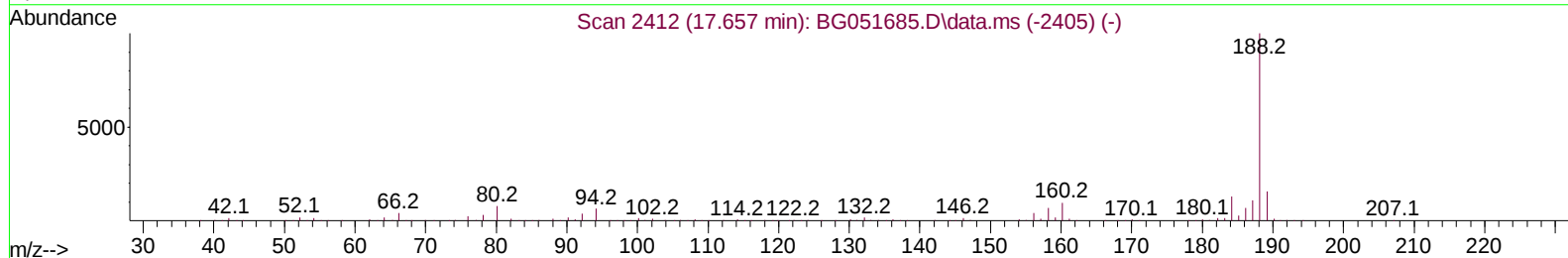
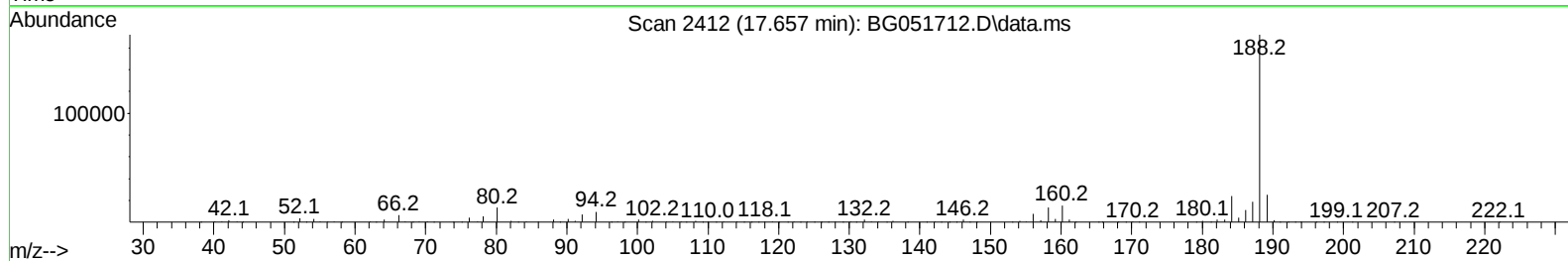
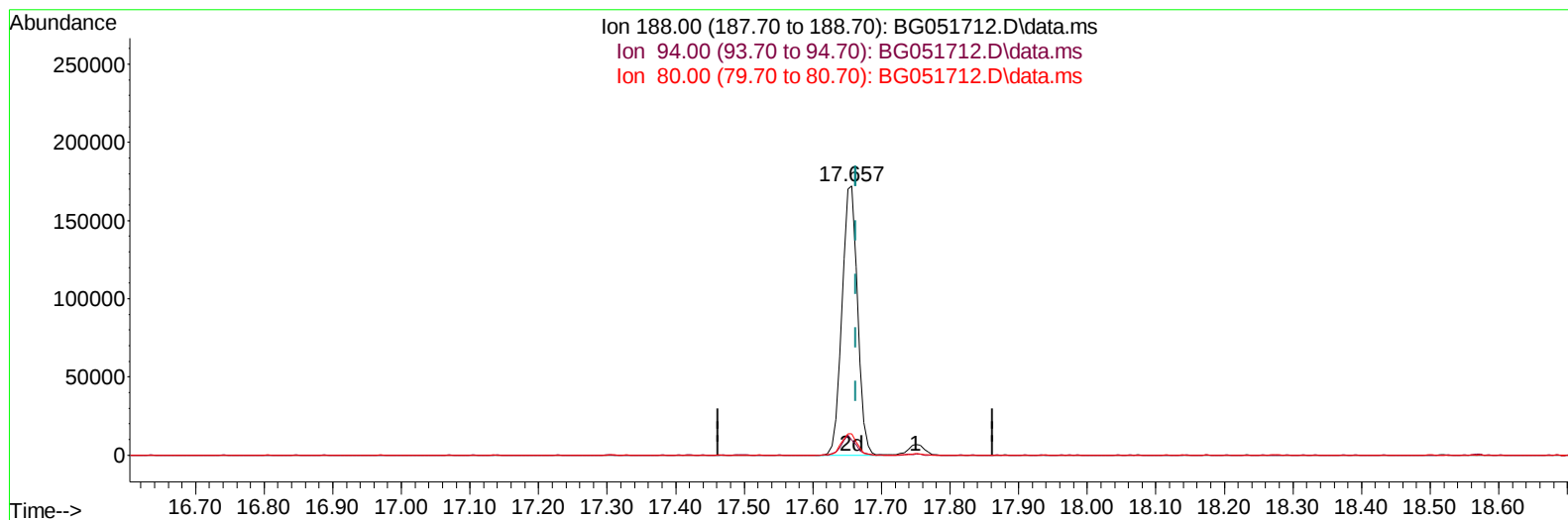
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG122021\  
 Data File : BG051712.D  
 Acq On : 21 Dec 2021 12:10  
 Operator : CG/JU  
 Sample : M5171-10DL2 20X  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BGLA6DL2

Manual IntegrationsAPPROVED

Quant Time: Dec 21 12:45:37 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG121421.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Dec 14 14:19:57 2021  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/21/2021  
 Supervised By :mohammad ahmed 12/28/2021



TIC: BG051712.D\data.ms

**(64) Phenanthrene-d10 (I)**

**17.657min (-0.005) 20.00 ng/ul m**

**response 270973**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 188.00 | 100.00 | 100.00 |
| 94.00  | 9.50   | 5.62#  |
| 80.00  | 11.40  | 7.81#  |
| 0.00   | 0.00   | 0.00   |

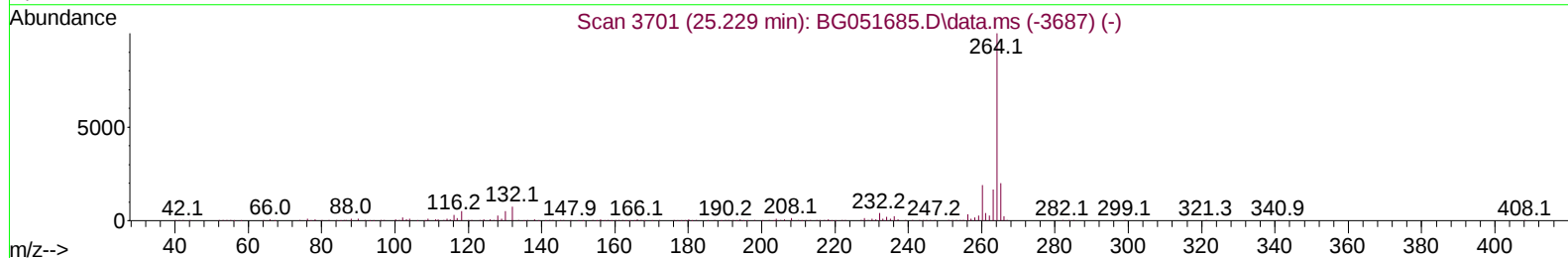
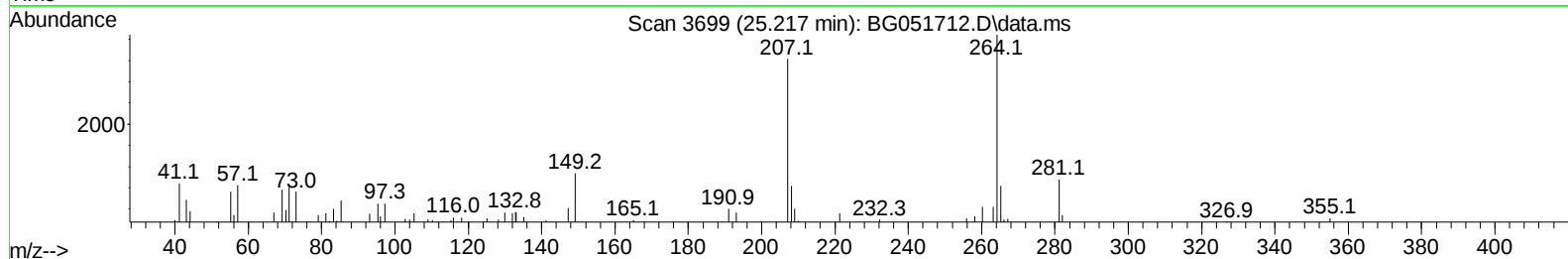
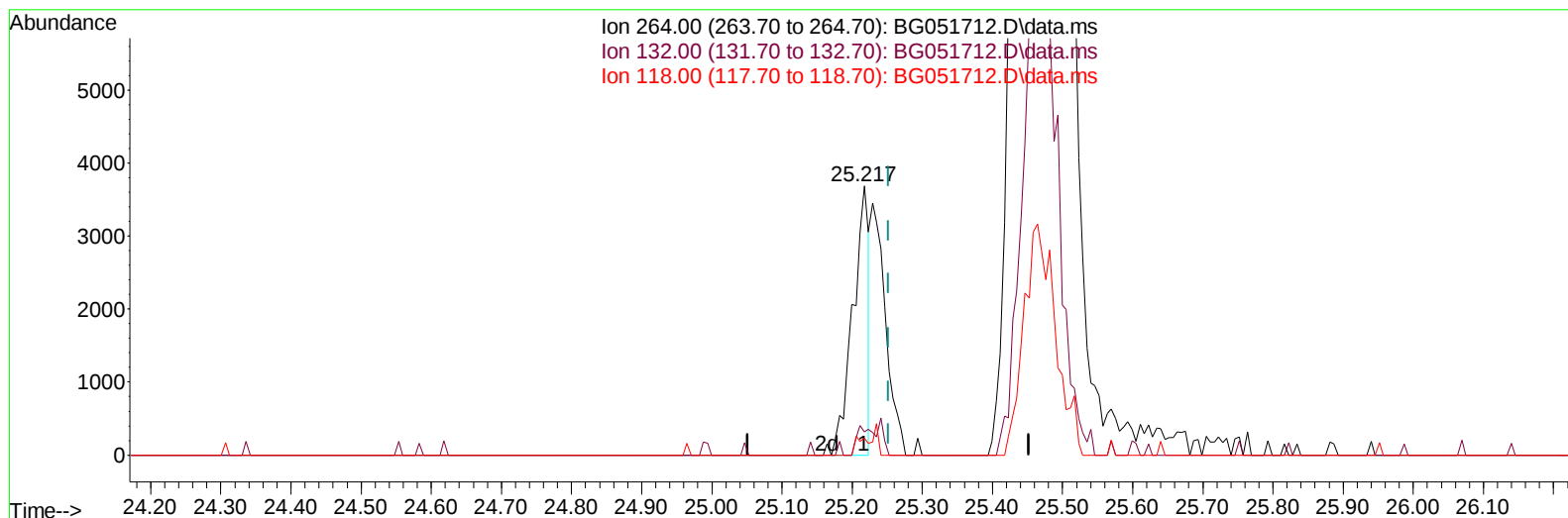
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG122021\  
 Data File : BG051712.D  
 Acq On : 21 Dec 2021 12:10  
 Operator : CG/JU  
 Sample : M5171-10DL2 20X  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BG1A6DL2

Manual IntegrationsAPPROVED

Quant Time: Dec 21 12:45:37 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG121421.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Dec 14 14:19:57 2021  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/21/2021  
 Supervised By :mohammad ahmed 12/28/2021



TIC: BG051712.D\data.ms

**(92) Benzo(a)pyrene-d12 (S)**

25.217min (-0.035) 0.41 ng/u1

response 5823

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100.00 | 100.00 |
| 132.00 | 15.50  | 8.74#  |
| 118.00 | 11.00  | 6.38#  |
| 0.00   | 0.00   | 0.00   |

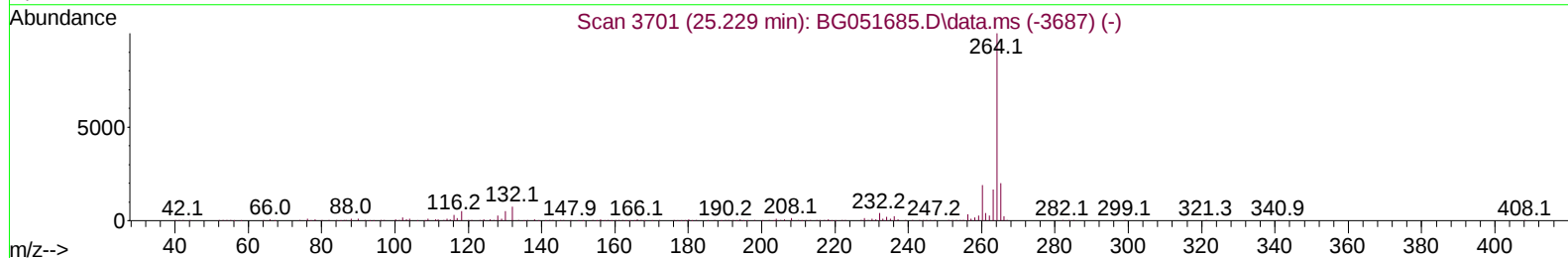
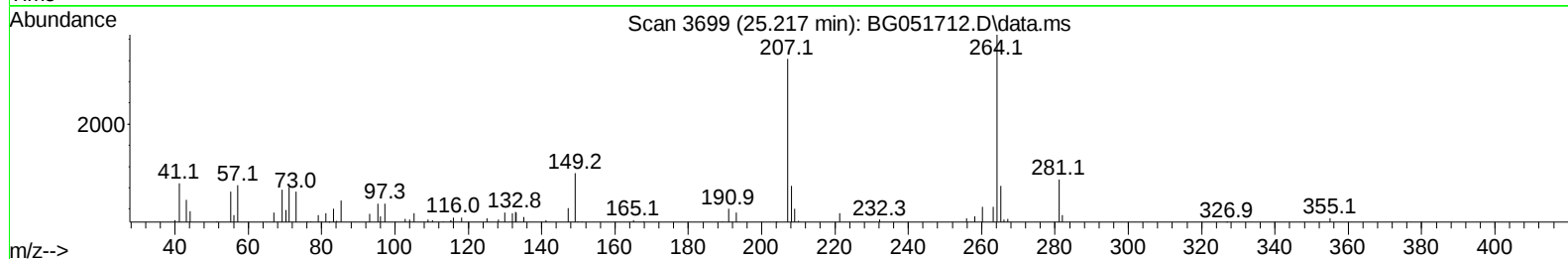
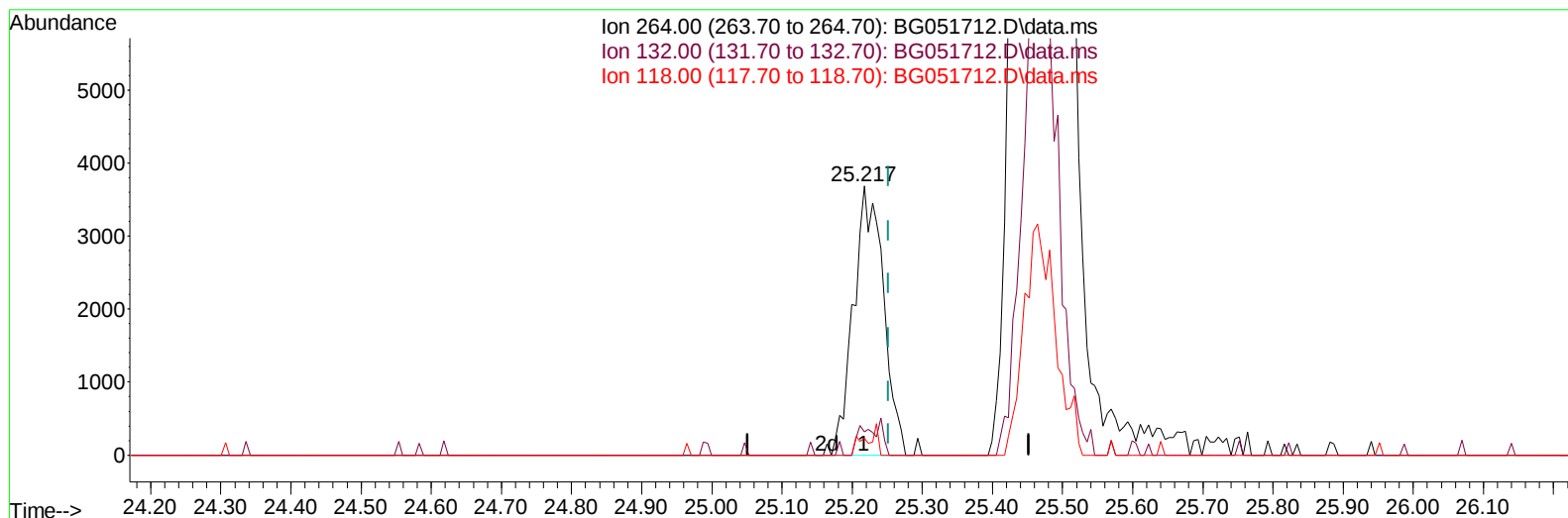
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 Data File : BG051712.D  
 Acq On : 21 Dec 2021 12:10  
 Operator : CG/JU  
 Sample : M5171-10DL2 20X  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BG1A6DL2

Manual IntegrationsAPPROVED

Quant Time: Dec 21 12:45:37 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG121421.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Dec 14 14:19:57 2021  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/21/2021  
 Supervised By :mohammad ahmed 12/28/2021



TIC: BG051712.D\data.ms

**(92) Benzo(a)pyrene-d12 (S)**

25.217min (-0.035) 0.76 ng/ul m

response 10931

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100.00 | 100.00 |
| 132.00 | 15.50  | 8.74#  |
| 118.00 | 11.00  | 6.38#  |
| 0.00   | 0.00   | 0.00   |

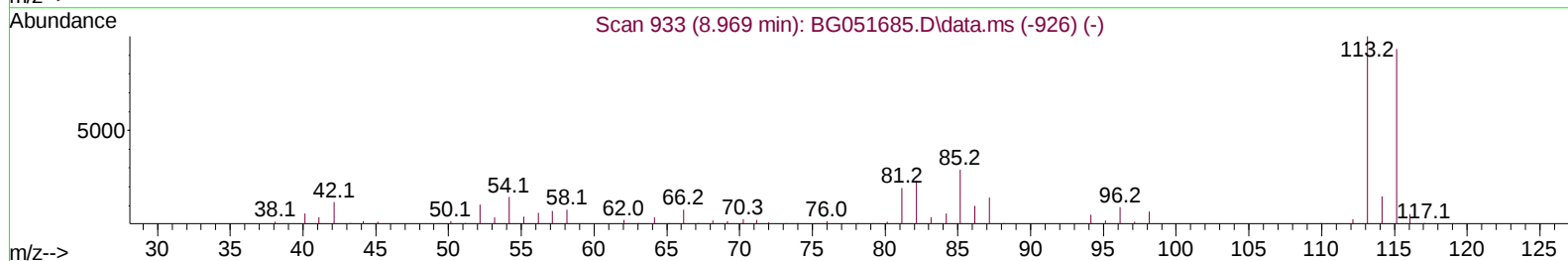
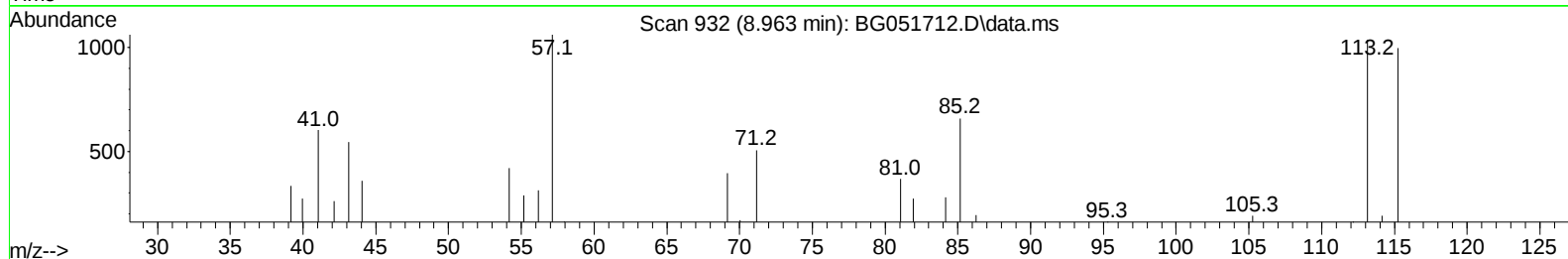
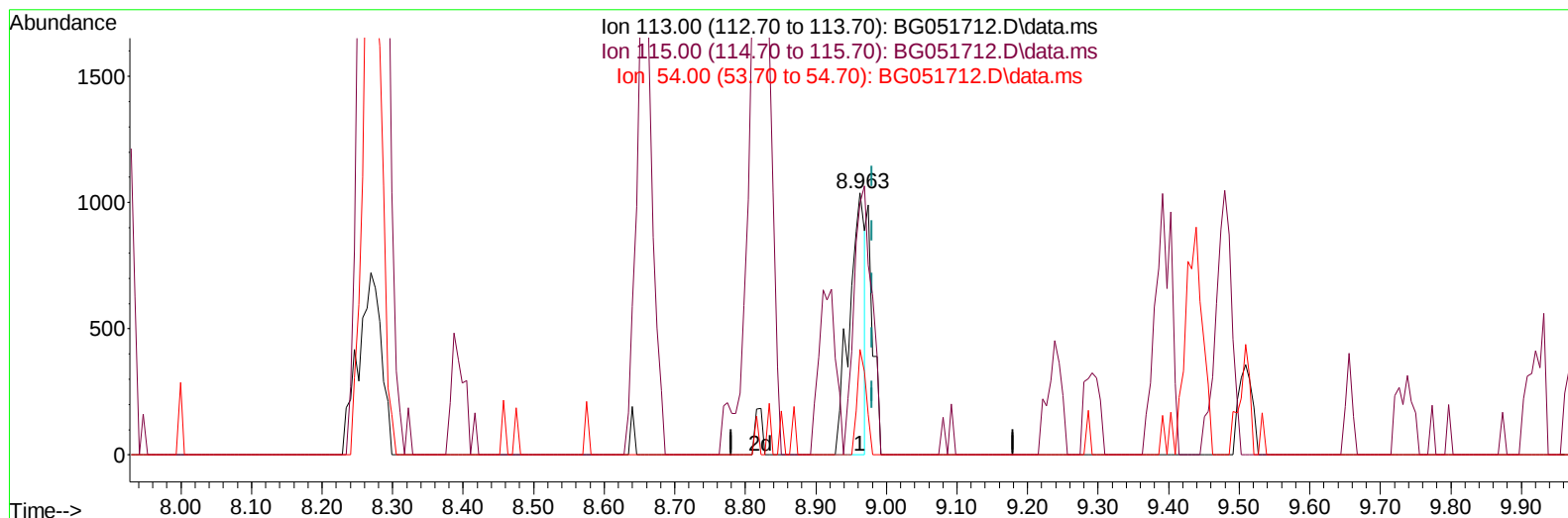
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG122021\  
Data File : BG051712.D  
Acq On : 21 Dec 2021 12:10  
Operator : CG/JU  
Sample : M5171-10DL2 20X  
Misc :  
ALS Vial : 39 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BGLA6DL2

Manual IntegrationsAPPROVED

Quant Time: Dec 21 12:45:37 2021  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG121421.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Dec 14 14:19:57 2021  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/21/2021  
Supervised By :mohammad ahmed 12/28/2021



TIC: BG051712.D\data.ms

(15) 4-Methylphenol-d8 (S)

8.963min (-0.017) 0.61 ng/u1

response 1588

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 115.00 | 88.40  | 96.15  |
| 54.00  | 13.00  | 40.37# |
| 0.00   | 0.00   | 0.00   |

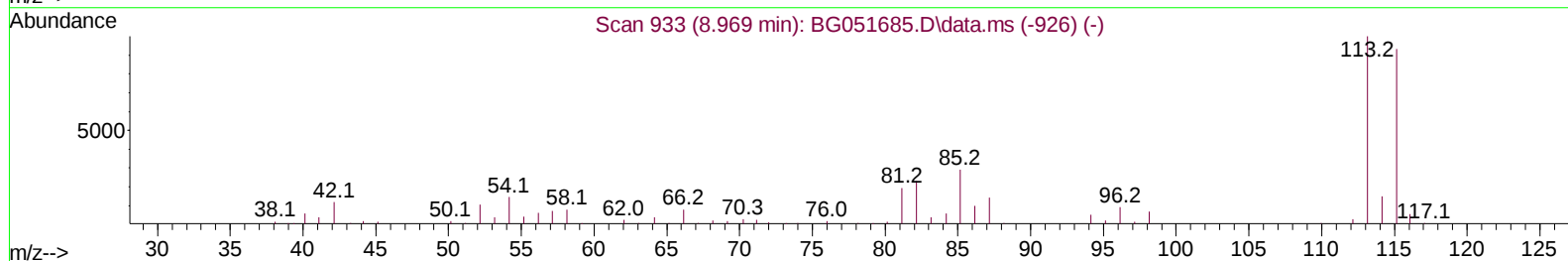
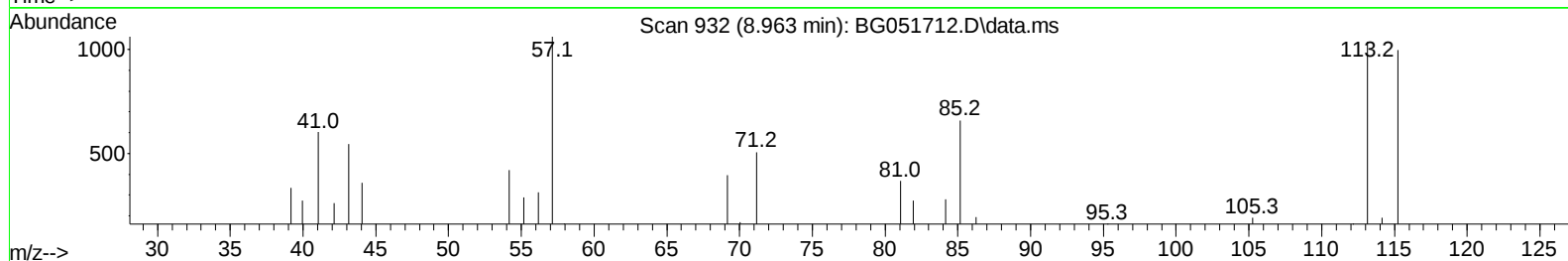
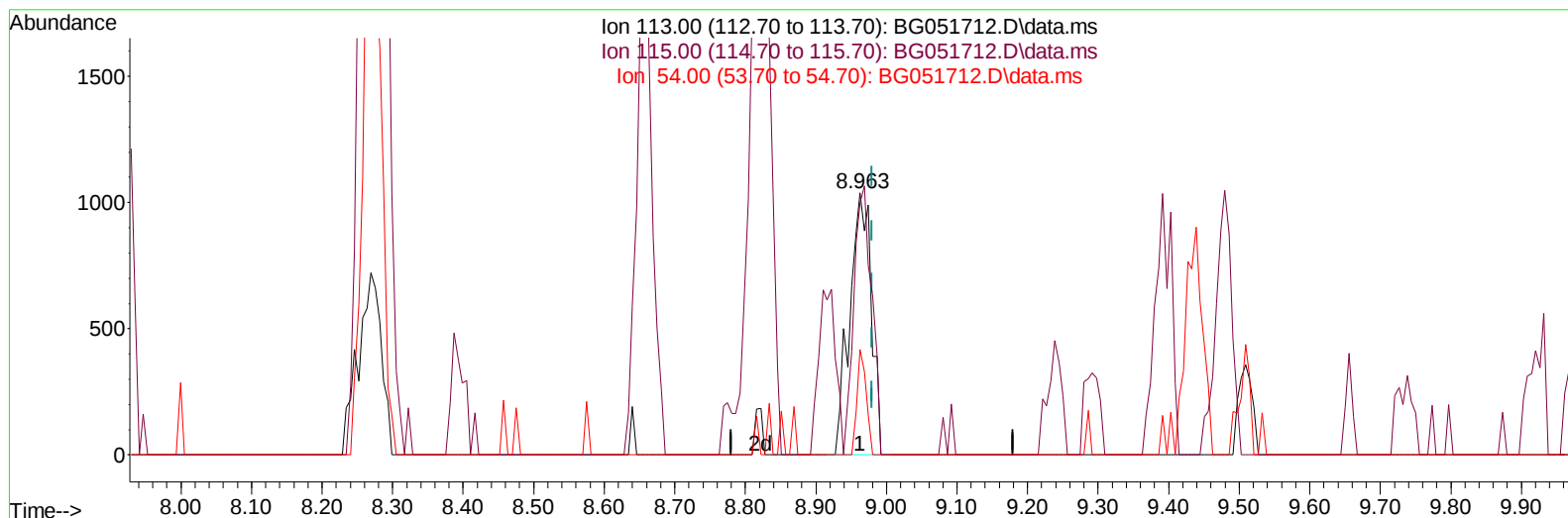
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 Data File : BG051712.D  
 Acq On : 21 Dec 2021 12:10  
 Operator : CG/JU  
 Sample : M5171-10DL2 20X  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BGLA6DL2

Manual IntegrationsAPPROVED

Quant Time: Dec 21 12:45:37 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG121421.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Dec 14 14:19:57 2021  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/21/2021  
 Supervised By :mohammad ahmed 12/28/2021



TIC: BG051712.D\data.ms

(15) 4-Methylphenol-d8 (S)

8.963min (-0.017) 0.85 ng/ul m

response 2213

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 115.00 | 88.40  | 96.15  |
| 54.00  | 13.00  | 40.37# |
| 0.00   | 0.00   | 0.00   |

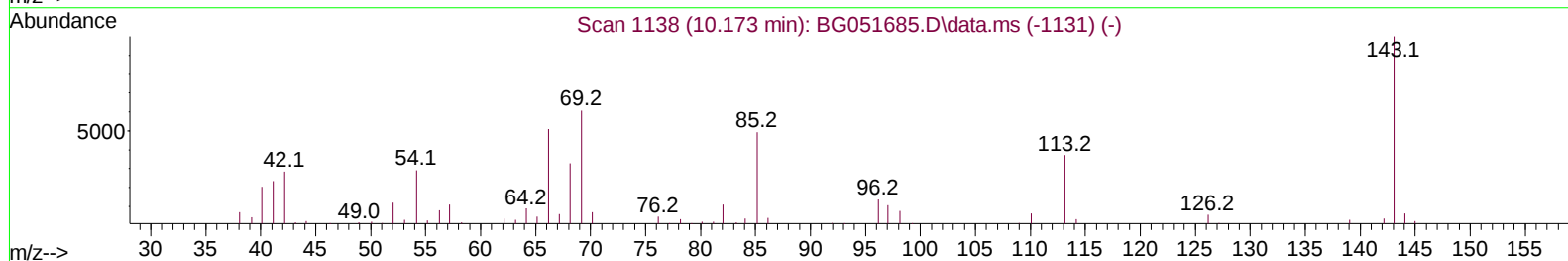
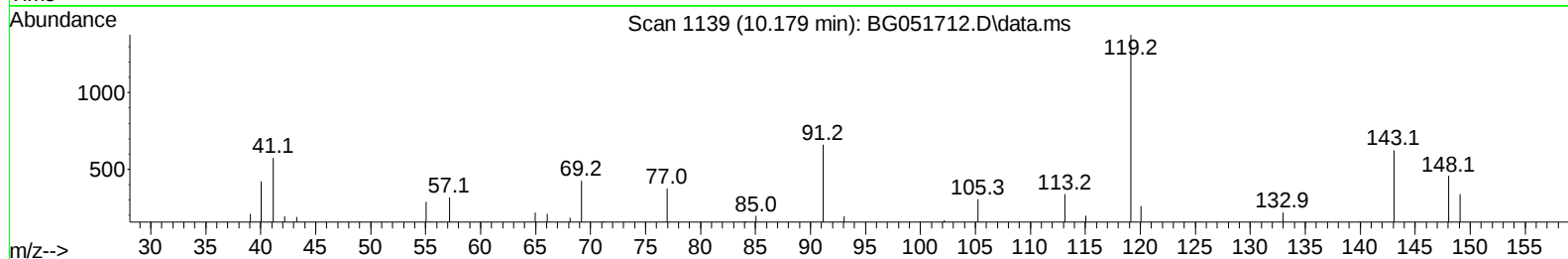
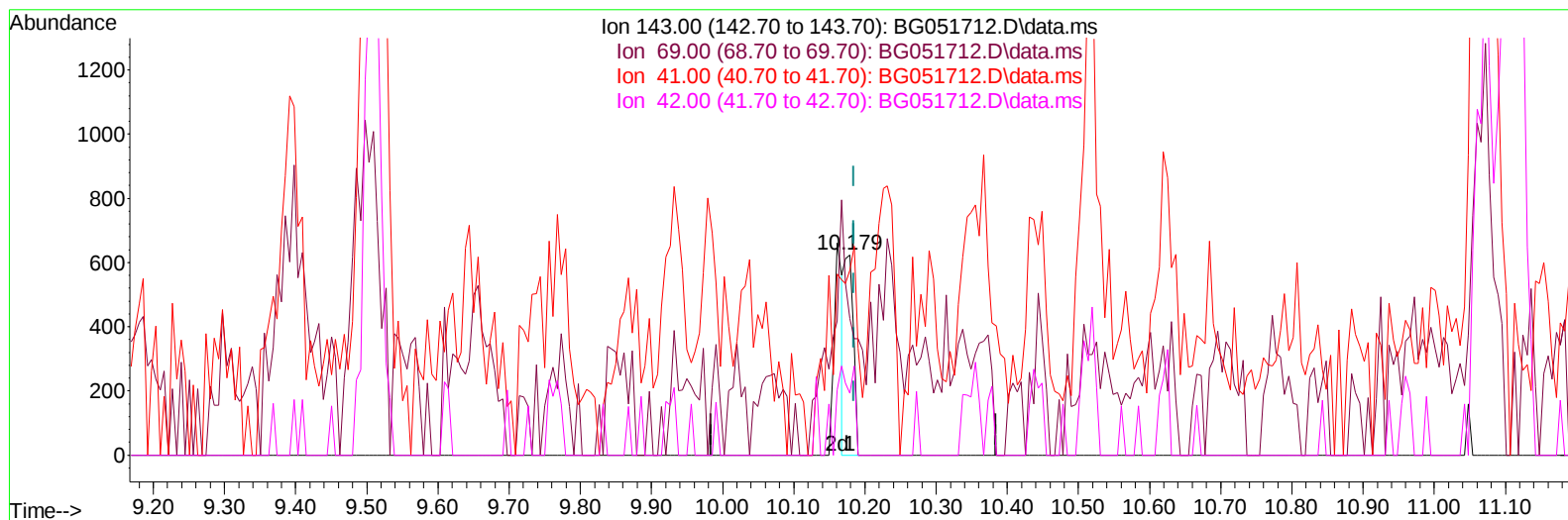
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 Data File : BG051712.D  
 Acq On : 21 Dec 2021 12:10  
 Operator : CG/JU  
 Sample : M5171-10DL2 20X  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BGLA6DL2

Manual IntegrationsAPPROVED

Quant Time: Dec 21 12:45:37 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG121421.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Dec 14 14:19:57 2021  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/21/2021  
 Supervised By :mohammad ahmed 12/28/2021



TIC: BG051712.D\data.ms

**(24) 2-Nitrophenol-d4 (S)**

**10.179min (-0.005) 0.42 ng/u1**

**response 557**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 143.00 | 100.00 | 100.00 |
| 69.00  | 55.90  | 68.11# |
| 41.00  | 22.80  | 92.31# |
| 42.00  | 25.60  | 30.93# |

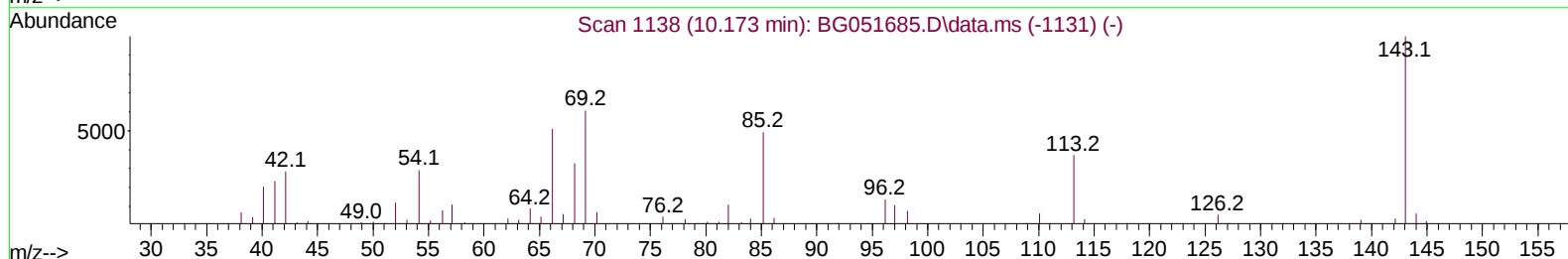
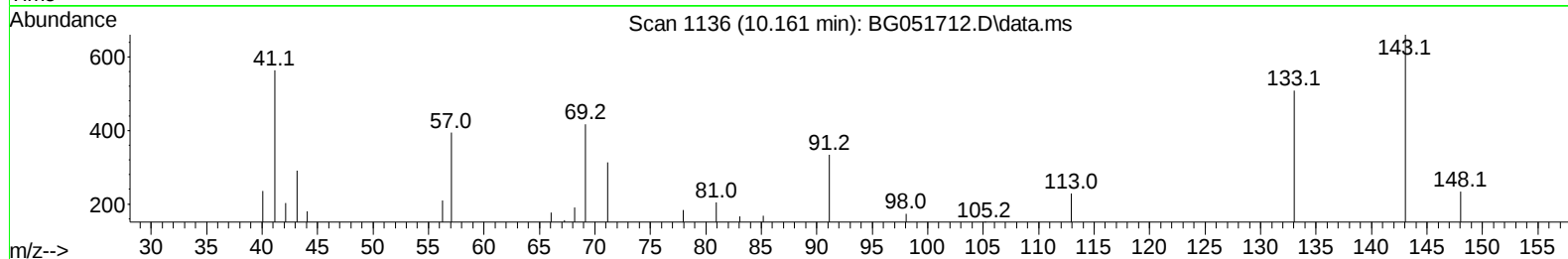
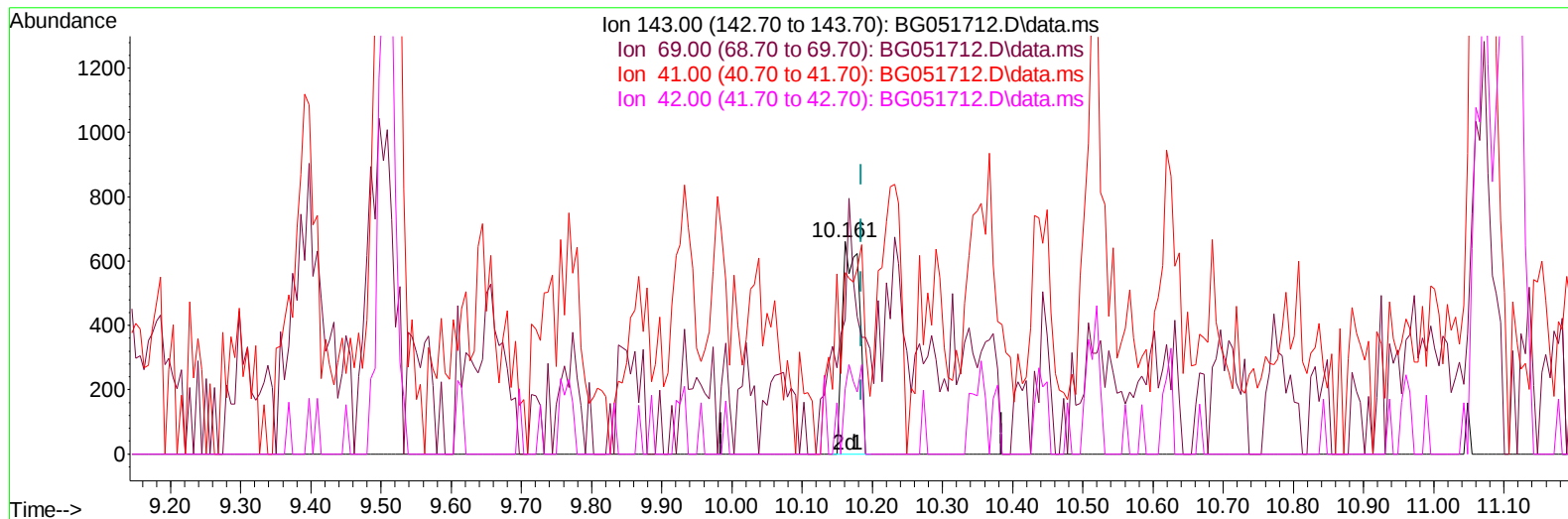
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Data File : BG051712.D  
Acq On : 21 Dec 2021 12:10  
Operator : CG/JU  
Sample : M5171-10DL2 20X  
Misc :  
ALS Vial : 39 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BGLA6DL2

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/21/2021  
Supervised By :mohammad ahmed 12/28/2021

Quant Time: Dec 21 12:45:37 2021  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG121421.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Dec 14 14:19:57 2021  
Response via : Initial Calibration



TIC: BG051712.D\data.ms

(24) 2-Nitrophenol-d4 (S)

10.161min (-0.023) 0.83 ng/u1 m

response 1090

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 143.00 | 100.00 | 100.00 |
| 69.00  | 55.90  | 63.18  |
| 41.00  | 22.80  | 85.45# |
| 42.00  | 25.60  | 30.61  |

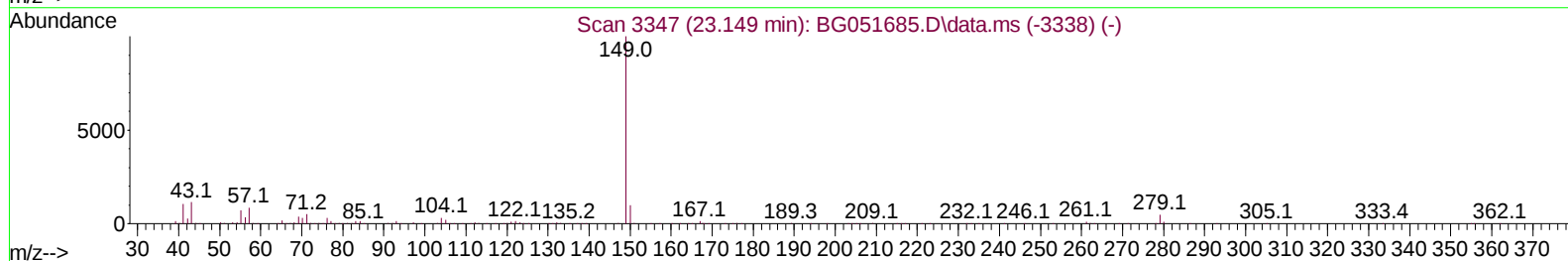
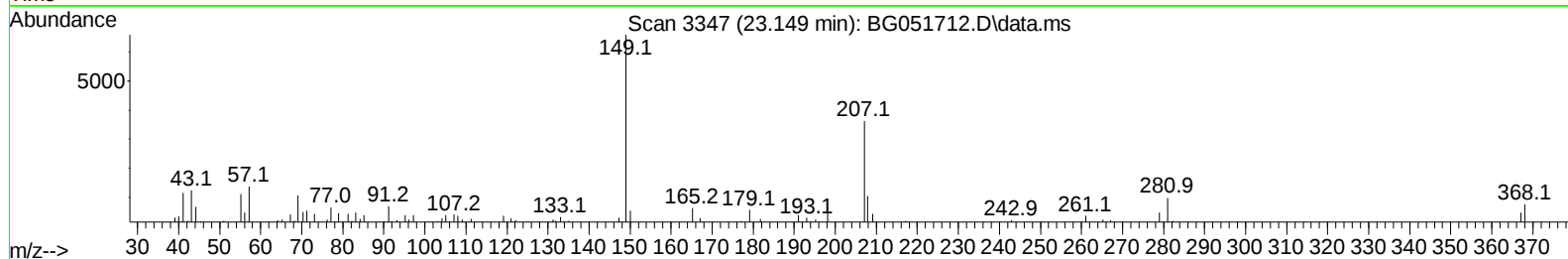
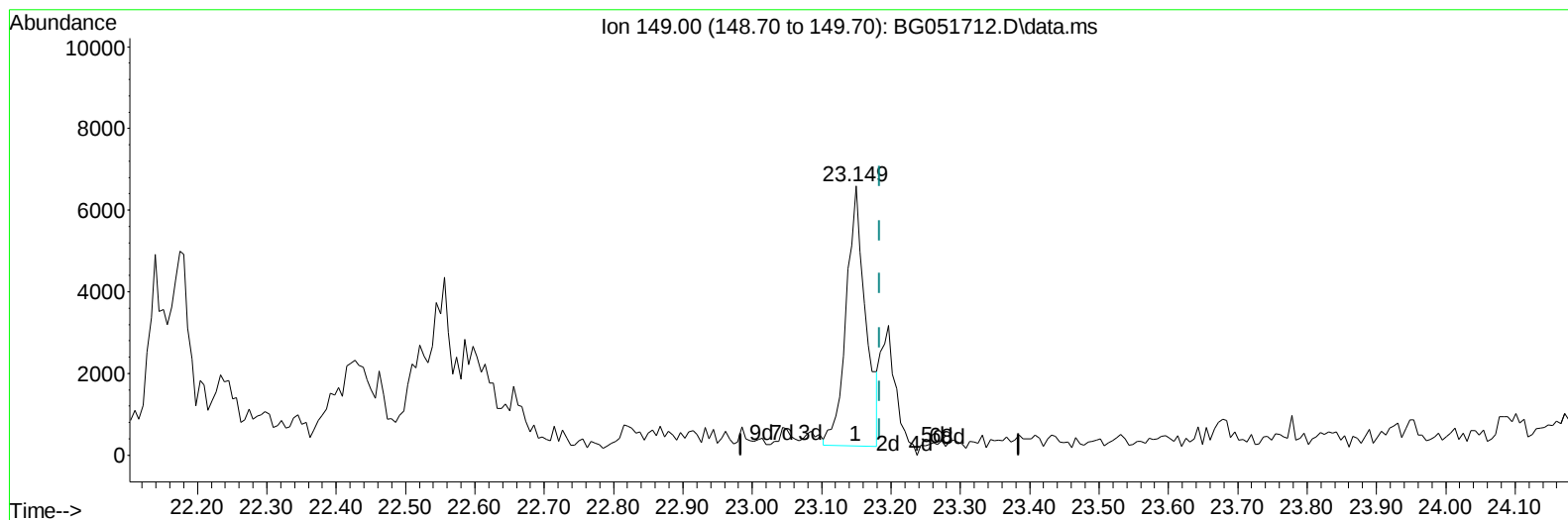
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG122021\  
 Data File : BG051712.D  
 Acq On : 21 Dec 2021 12:10  
 Operator : CG/JU  
 Sample : M5171-10DL2 20X  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BGLA6DL2

Manual IntegrationsAPPROVED

Quant Time: Dec 21 12:45:37 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG121421.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Dec 14 14:19:57 2021  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/21/2021  
 Supervised By :mohammad ahmed 12/28/2021



TIC: BG051712.D\data.ms

(89) Di-n-octyl phthalate

23.149min (-0.035) 0.83 ng/u1

response 12270

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 149.00 | 100.00 | 100.00 |
| 0.00   | 0.00   | 0.00   |
| 0.00   | 0.00   | 0.00   |
| 0.00   | 0.00   | 0.00   |

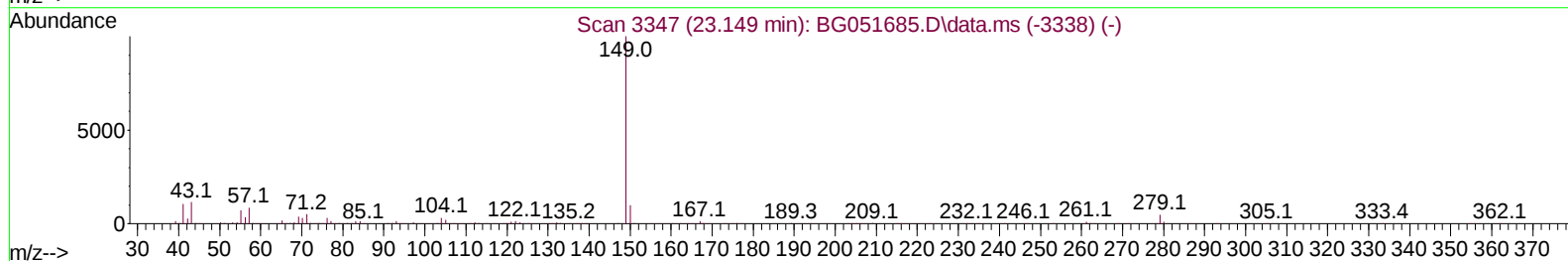
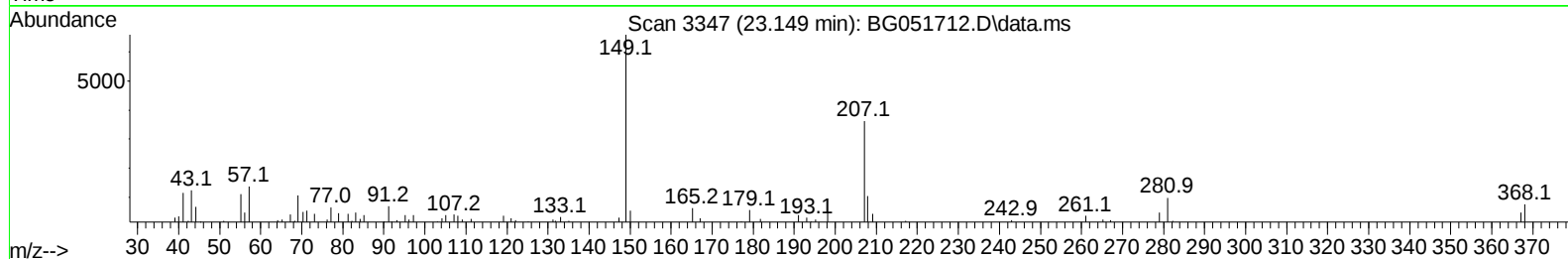
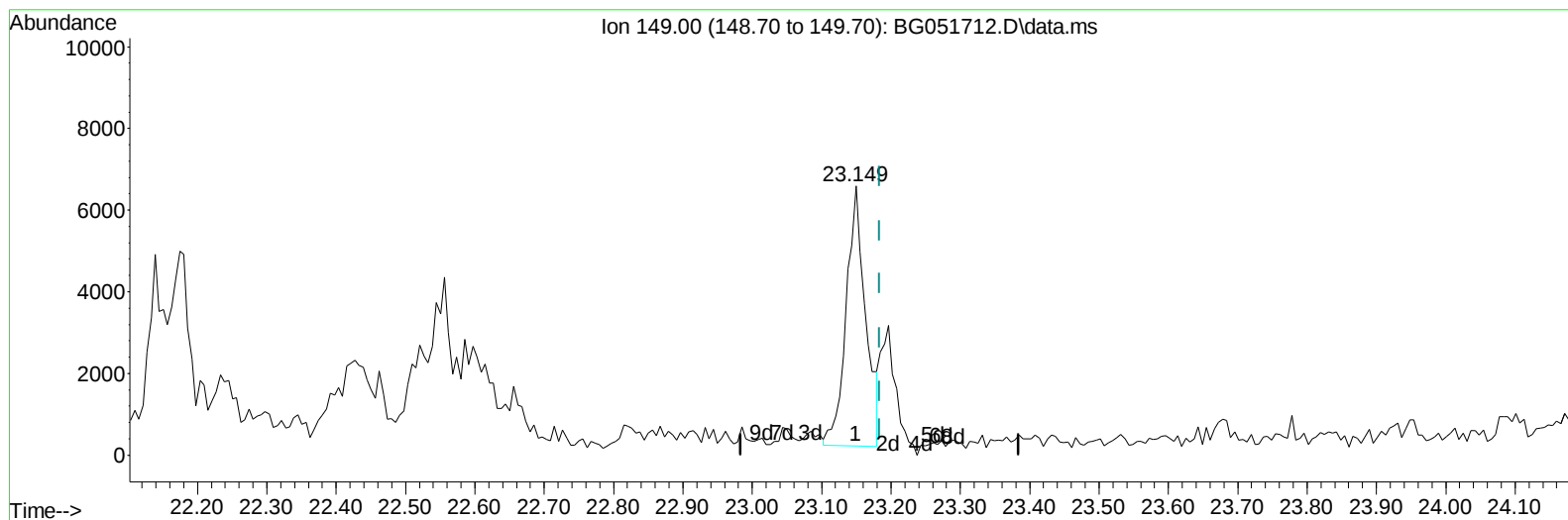
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG122021\  
 Data File : BG051712.D  
 Acq On : 21 Dec 2021 12:10  
 Operator : CG/JU  
 Sample : M5171-10DL2 20X  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BGLA6DL2

Manual IntegrationsAPPROVED

Quant Time: Dec 21 12:45:37 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG121421.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Dec 14 14:19:57 2021  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/21/2021  
 Supervised By :mohammad ahmed 12/28/2021



TIC: BG051712.D\data.ms

(89) Di-n-octyl phthalate

23.149min (-0.035) 0.83 ng/u1

response 12270

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 149.00 | 100.00 | 100.00 |
| 0.00   | 0.00   | 0.00   |
| 0.00   | 0.00   | 0.00   |
| 0.00   | 0.00   | 0.00   |

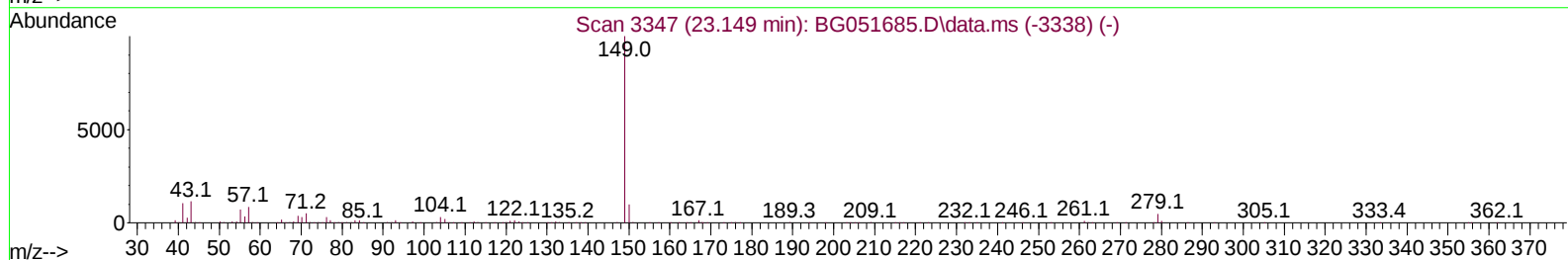
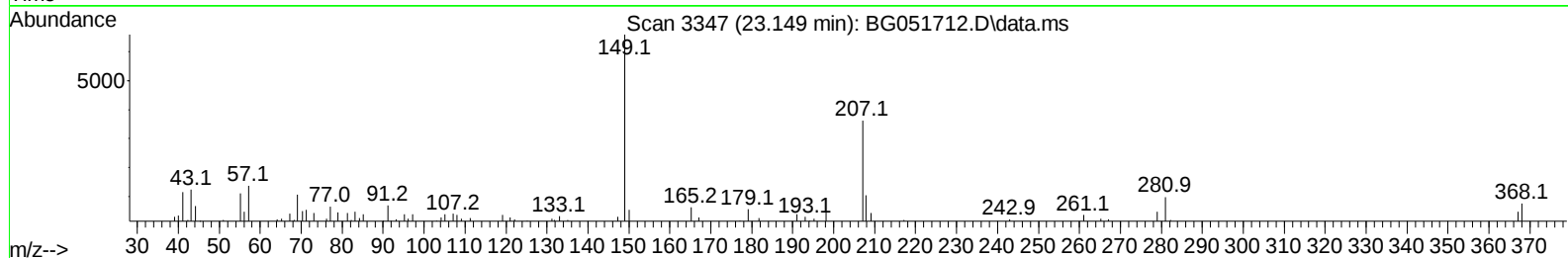
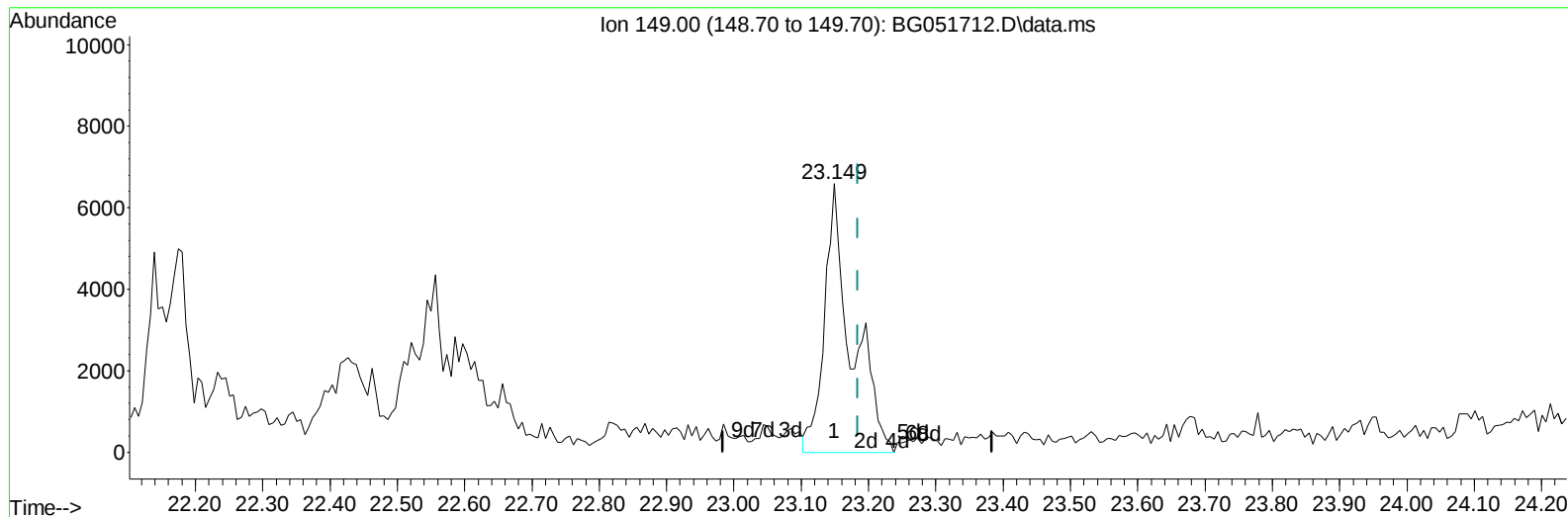
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 Data File : BG051712.D  
 Acq On : 21 Dec 2021 12:10  
 Operator : CG/JU  
 Sample : M5171-10DL2 20X  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BGLA6DL2

Manual IntegrationsAPPROVED

Quant Time: Dec 21 12:45:37 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG121421.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Dec 14 14:19:57 2021  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/21/2021  
 Supervised By :mohammad ahmed 12/28/2021



TIC: BG051712.D\data.ms

(89) Di-n-octyl phthalate

23.149min (-0.035) 1.24 ng/ul m

response 18254

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 149.00 | 100.00 | 100.00 |
| 0.00   | 0.00   | 0.00   |
| 0.00   | 0.00   | 0.00   |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG122021\  
 Data File : BG051712.D  
 Acq On : 21 Dec 2021 12:10  
 Operator : CG/JU  
 Sample : M5171-10DL2 20X  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BGLA6DL2

Manual IntegrationsAPPROVED

Quant Time: Dec 21 12:45:37 2021  
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 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 12/21/2021  
 Supervised By :mohammad ahmed 12/28/2021

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.275  | 152  | 37833    | 20.000 | ng/ul  | -0.01    |
| 20) Naphthalene-d8            | 11.113 | 136  | 164111   | 20.000 | ng/ul  | #-0.01   |
| 38) Acenaphthene-d10          | 14.908 | 164  | 119838   | 20.000 | ng/ul  | -0.01    |
| 64) Phenanthrene-d10          | 17.657 | 188  | 270973m  | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.975 | 240  | 256142   | 20.000 | ng/ul  | #-0.01   |
| 88) Perylene-d12              | 25.470 | 264  | 273109   | 20.000 | ng/ul  | -0.02    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.599  | 96   | 196      | 0.215  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 0.000  | 84   | 0d       | 0.000  | ng/ul  |          |
| 7) Phenol-d5                  | 7.400  | 99   | 2840     | 0.841  | ng/ul  | -0.02    |
| 9) Bis-(2-Chloroethyl)eth...  | 7.571  | 67   | 1947     | 0.970  | ng/ul  | -0.02    |
| 11) 2-Chlorophenol-d4         | 7.800  | 132  | 1615     | 0.687  | ng/ul  | -0.01    |
| 15) 4-Methylphenol-d8         | 8.963  | 113  | 2213m    | 0.848  | ng/ul  | -0.02    |
| 21) Nitrobenzene-d5           | 9.439  | 128  | 981      | 0.815  | ng/ul  | -0.02    |
| 24) 2-Nitrophenol-d4          | 10.161 | 143  | 1090m    | 0.829  | ng/ul  | -0.02    |
| 28) 2,4-Dichlorophenol-d3     | 10.725 | 165  | 2160     | 0.757  | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.224 | 131  | 4824     | 1.285  | ng/ul  | -0.02    |
| 46) Dimethylphthalate-d6      | 14.297 | 166  | 6661     | 0.694  | ng/ul  | -0.02    |
| 49) Acenaphthylene-d8         | 14.602 | 160  | 8878     | 0.745  | ng/ul  | -0.01    |
| 54) 4-Nitrophenol-d4          | 0.000  | 143  | 0d       | 0.000  | ng/ul  |          |
| 60) Fluorene-d10              | 15.895 | 176  | 6369     | 0.741  | ng/ul  | -0.01    |
| 65) 4,6-Dinitro-2-methylph... | 0.000  | 200  | 0d       | 0.000  | ng/ul  |          |
| 73) Anthracene-d10            | 17.751 | 188  | 11303    | 0.874  | ng/ul  | -0.01    |
| 81) Pyrene-d10                | 20.030 | 212  | 12103    | 0.785  | ng/ul  | -0.01    |
| 92) Benzo(a)pyrene-d12        | 25.217 | 264  | 10931m   | 0.761  | ng/ul  | -0.03    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 30) Naphthalene               | 11.160 | 128  | 243538   | 27.545 | ng/ul  | 98       |
| 36) 2-Methylnaphthalene       | 12.752 | 142  | 145534   | 23.072 | ng/ul  | 97       |
| 37) 1-Methylnaphthalene       | 12.969 | 142  | 73262    | 11.186 | ng/ul# | 99       |
| 43) 1,1'-Biphenyl             | 13.739 | 154  | 18629    | 2.029  | ng/ul# | 89       |
| 52) Acenaphthene              | 14.972 | 153  | 11552    | 1.500  | ng/ul  | 97       |
| 83) Butylbenzylphthalate      | 20.929 | 149  | 42261    | 7.196  | ng/ul  | 91       |
| 86) Bis(2-ethylhexyl)phtha... | 21.845 | 149  | 467938   | 56.884 | ng/ul# | 94       |
| 89) Di-n-octyl phthalate      | 23.149 | 149  | 18254m   | 1.241  | ng/ul  |          |
| -----                         |        |      |          |        |        |          |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG122021\  
Data File : BG051712.D  
Acq On : 21 Dec 2021 12:10  
Operator : CG/JU  
Sample : M5171-10DL2 20X  
Misc :  
ALS Vial : 39 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BGLA6DL2

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 12/21/2021  
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Quant Time: Dec 21 12:45:37 2021  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG121421.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Dec 14 14:19:57 2021  
Response via : Initial Calibration

