

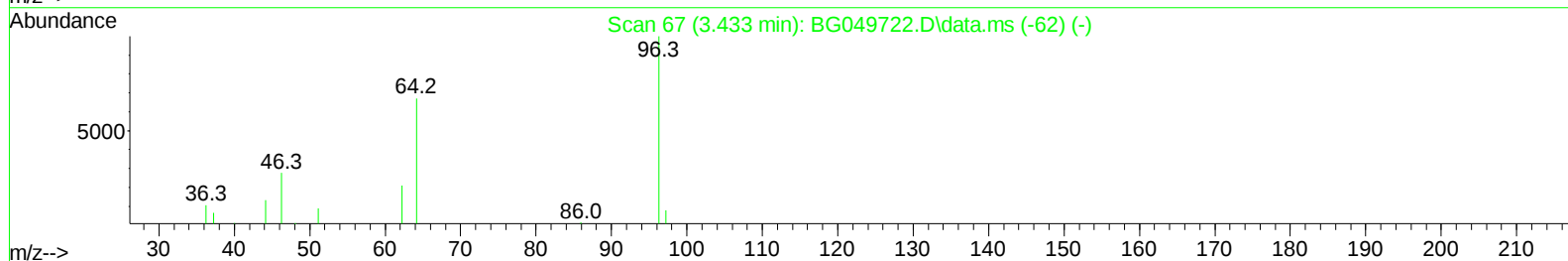
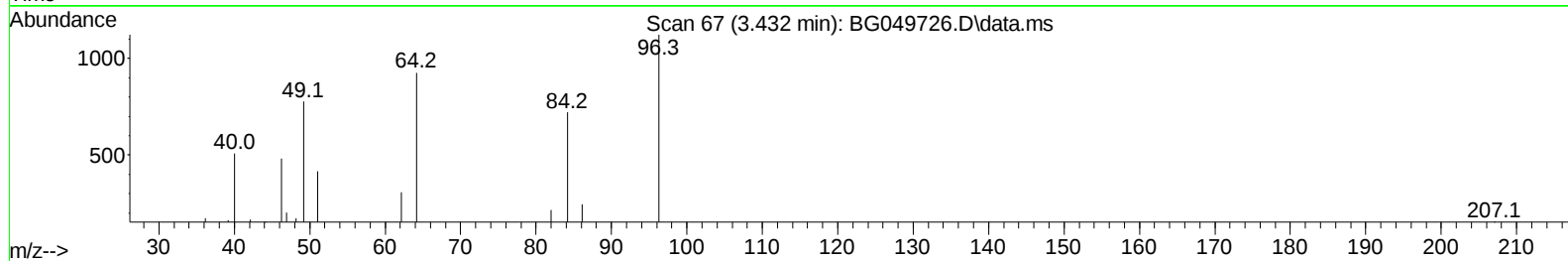
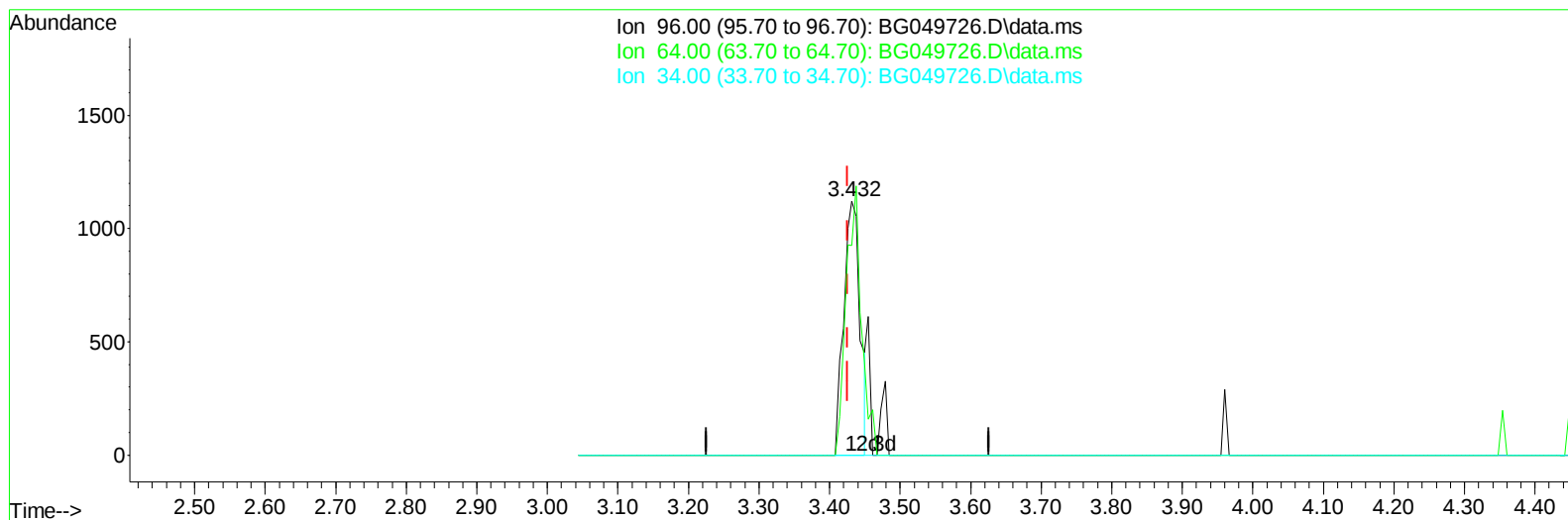
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG080521\  
Data File : BG049726.D  
Acq On : 8 Aug 2021 6:33  
Operator : CG/JU  
Sample : M3208-04  
Misc :  
ALS Vial : 59 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C00E4

Manual Integrations  
APPROVED

mohammad  
8/9/2021 12:11:41 PM

Quant Time: Aug 09 04:04:45 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SFAM-EPA-BG080421.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Aug 04 16:17:29 2021  
Response via : Initial Calibration



TIC: BG049726.D\data.ms

**(3) 1,4-Dioxane-d8 (S)**

**3.432min (+ 0.006) 2.45 ng/uL**

**response 1802**

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 96.00 | 100.00 | 100.00 |
| 64.00 | 74.10  | 82.44  |
| 34.00 | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

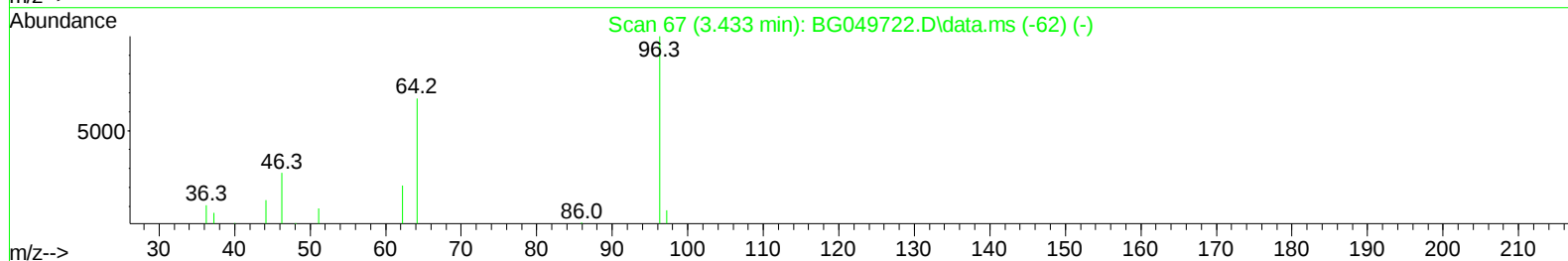
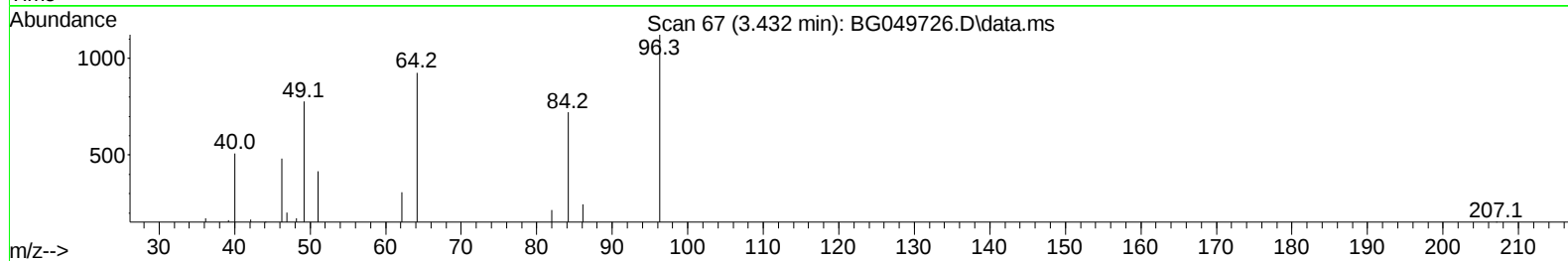
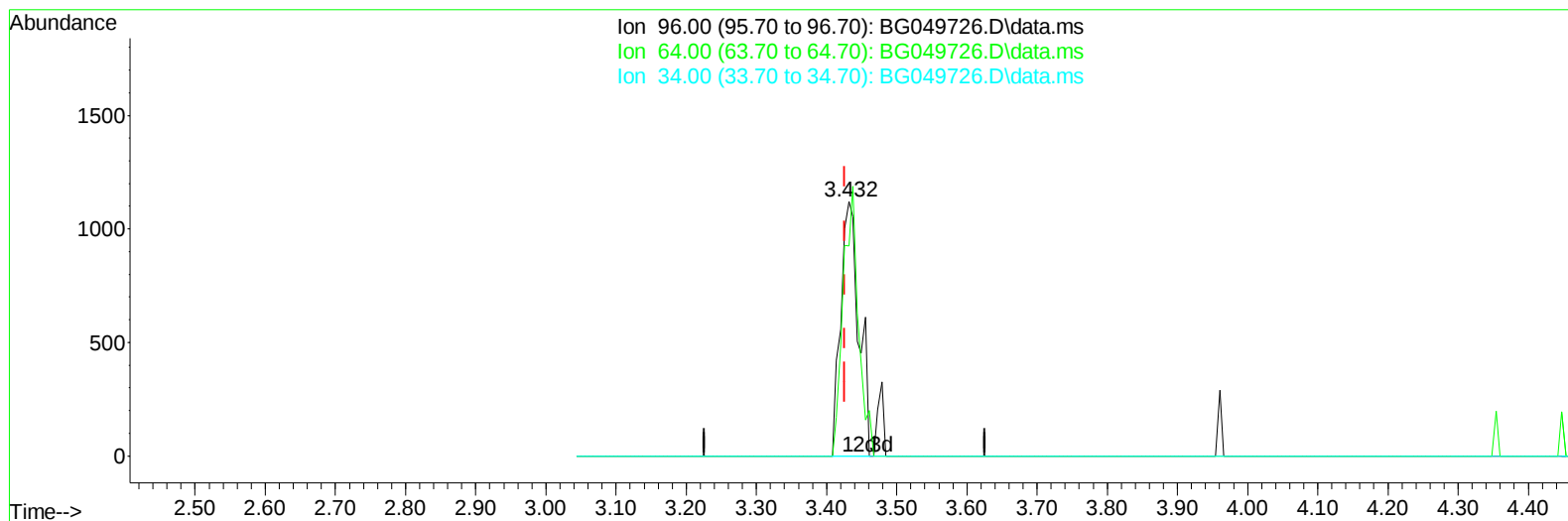
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG080521\  
Data File : BG049726.D  
Acq On : 8 Aug 2021 6:33  
Operator : CG/JU  
Sample : M3208-04  
Misc :  
ALS Vial : 59 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C00E4

Manual Integrations  
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Quant Time: Aug 09 04:04:45 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SFAM-EPA-BG080421.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Aug 04 16:17:29 2021  
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TIC: BG049726.D\data.ms

**(3) 1,4-Dioxane-d8 (S)**

**3.432min (+ 0.006) 2.74 ng/uL m**

**response 2017**

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 96.00 | 100.00 | 100.00 |
| 64.00 | 74.10  | 82.44  |
| 34.00 | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

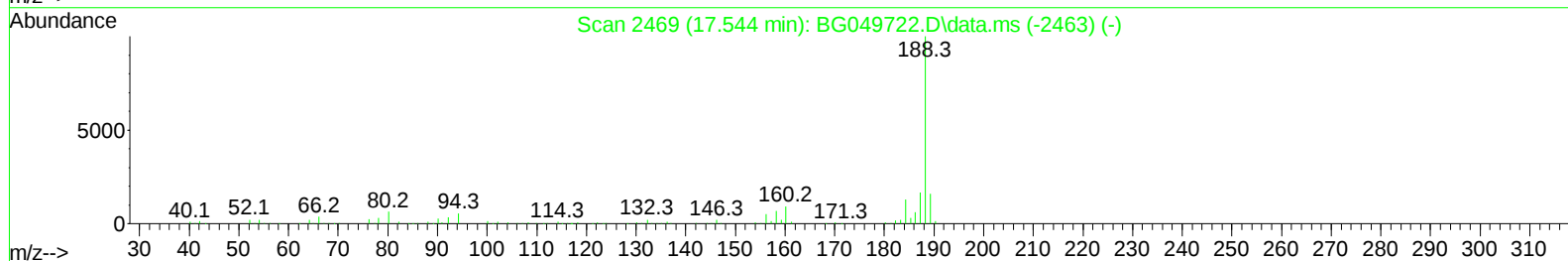
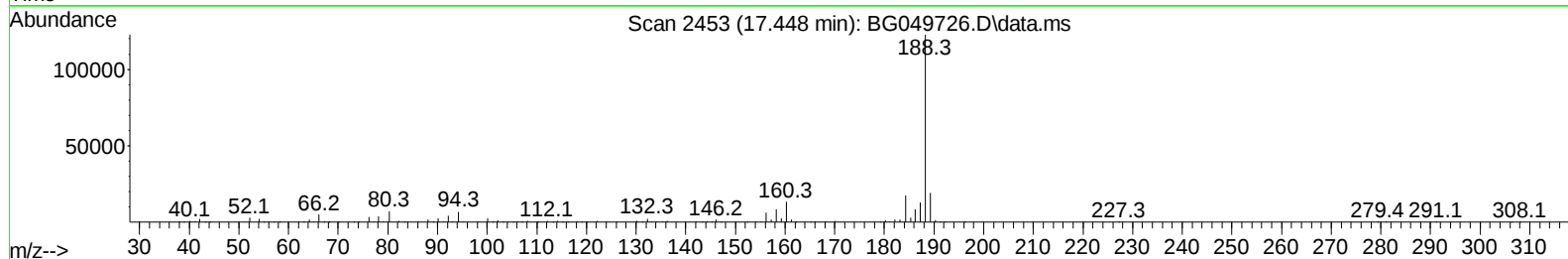
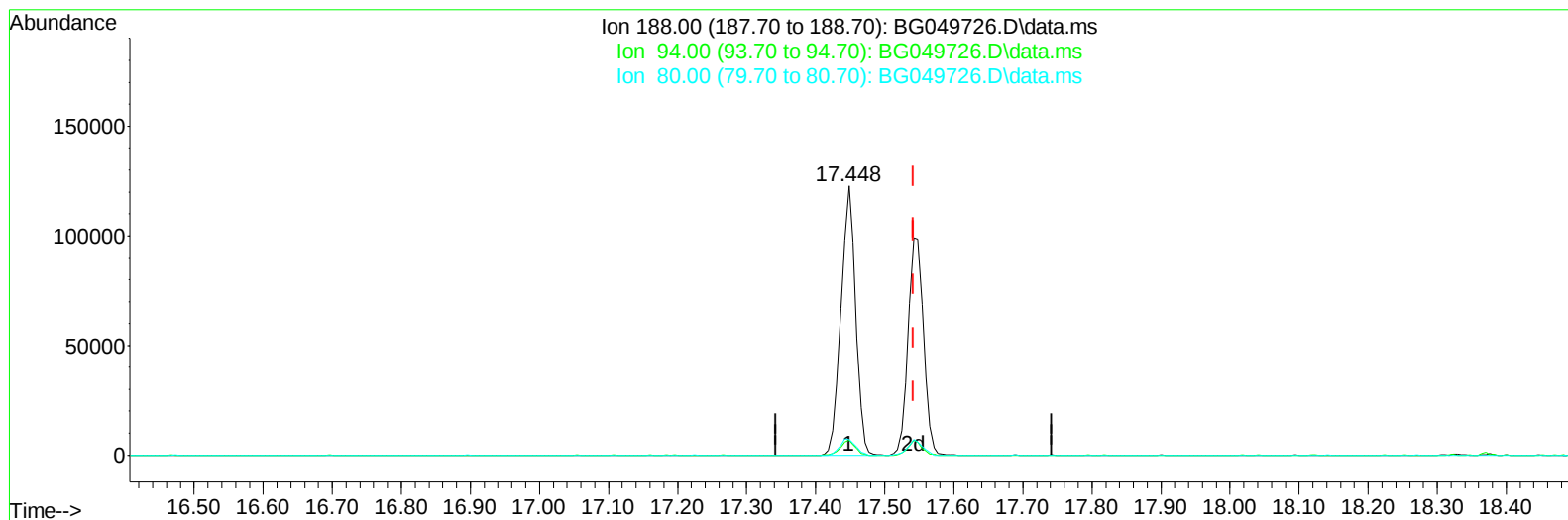
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG080521\  
Data File : BG049726.D  
Acq On : 8 Aug 2021 6:33  
Operator : CG/JU  
Sample : M3208-04  
Misc :  
ALS Vial : 59 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
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Manual Integrations  
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Quant Time: Aug 09 04:04:45 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SFAM-EPA-BG080421.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Aug 04 16:17:29 2021  
Response via : Initial Calibration



TIC: BG049726.D\data.ms

(73) Anthracene-d10 (S)

17.448min (-0.094) 21.18 ng/u1

response 180767

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 188.00 | 100.00 | 100.00 |
| 94.00  | 5.60   | 5.57   |
| 80.00  | 6.00   | 5.74   |
| 0.00   | 0.00   | 0.00   |

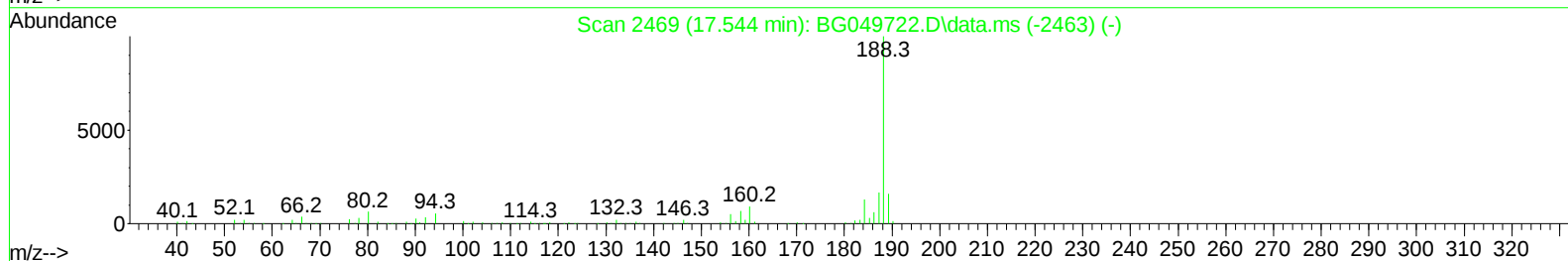
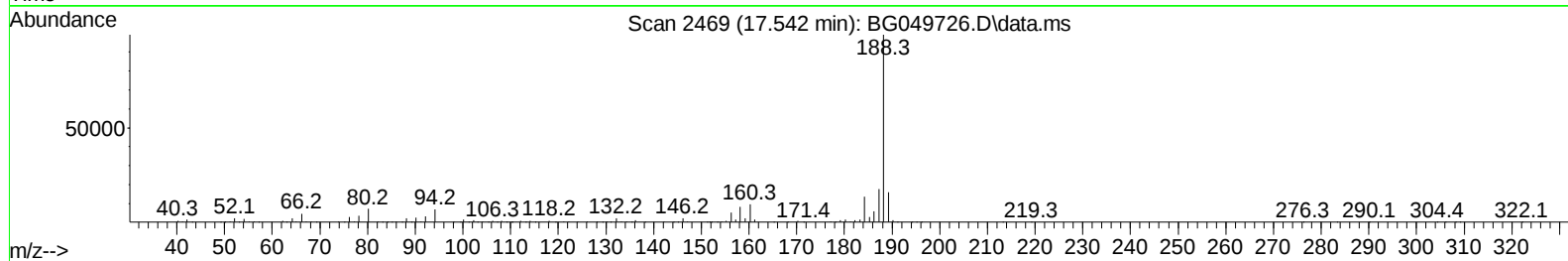
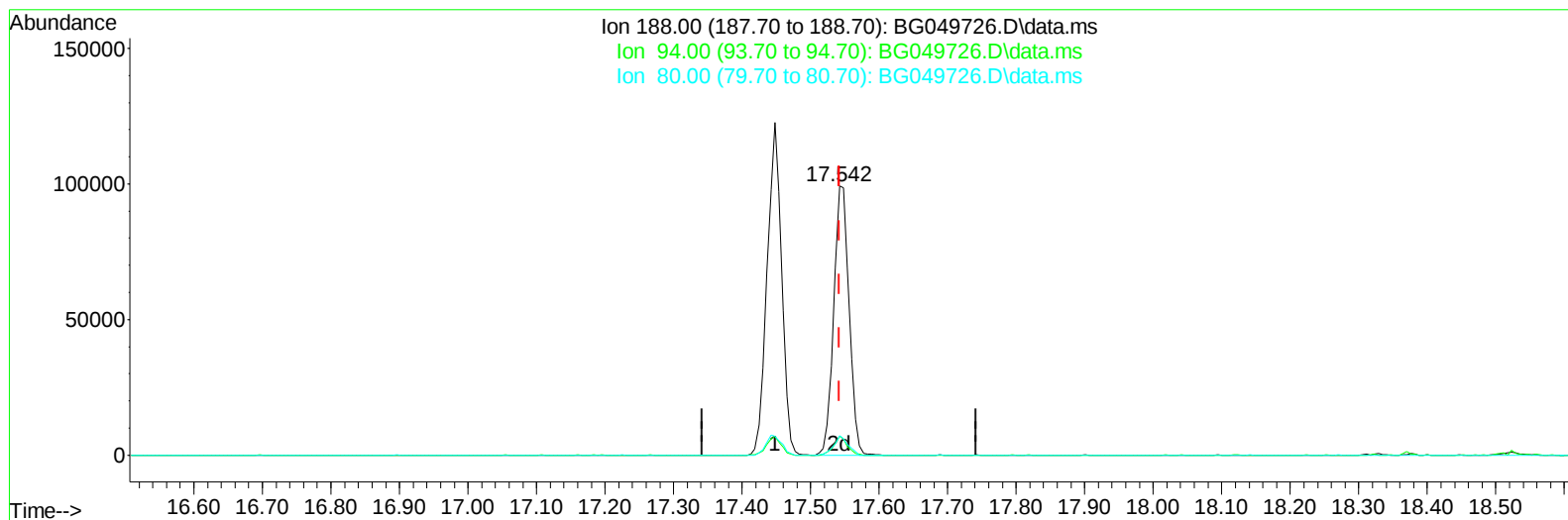
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG080521\  
Data File : BG049726.D  
Acq On : 8 Aug 2021 6:33  
Operator : CG/JU  
Sample : M3208-04  
Misc :  
ALS Vial : 59 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C00E4

Manual Integrations  
APPROVED

mohammad  
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Quant Time: Aug 09 04:04:45 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SFAM-EPA-BG080421.M  
Quant Title : SVOA CALIBRATION  
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Response via : Initial Calibration



TIC: BG049726.D\data.ms

(73) Anthracene-d10 (S)

17.542min (+ 0.000) 18.03 ng/u1 m

response 153863

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 188.00 | 100.00 | 100.00 |
| 94.00  | 5.60   | 6.94#  |
| 80.00  | 6.00   | 7.24#  |
| 0.00   | 0.00   | 0.00   |

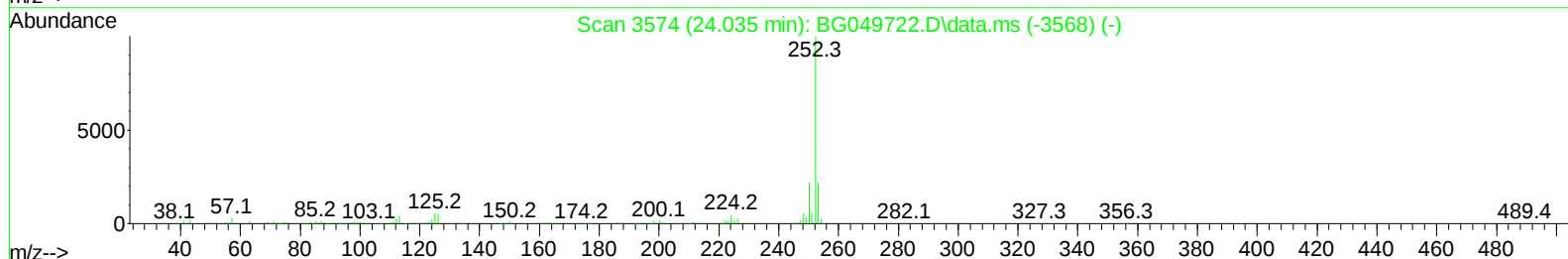
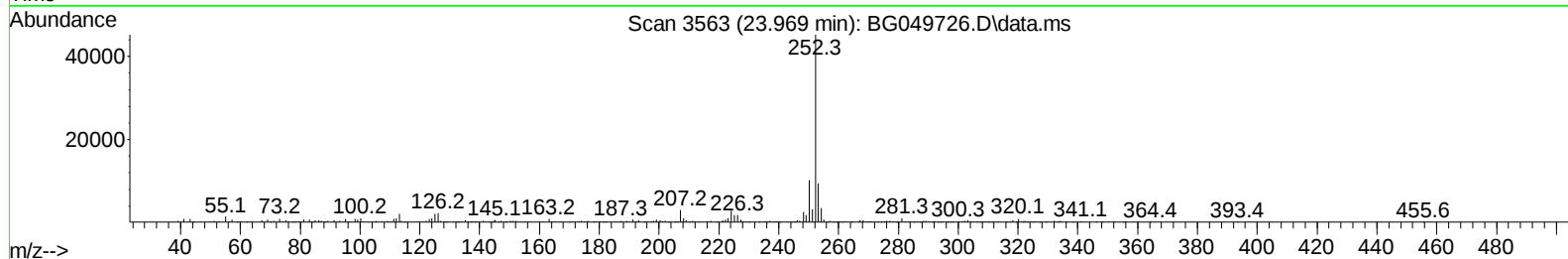
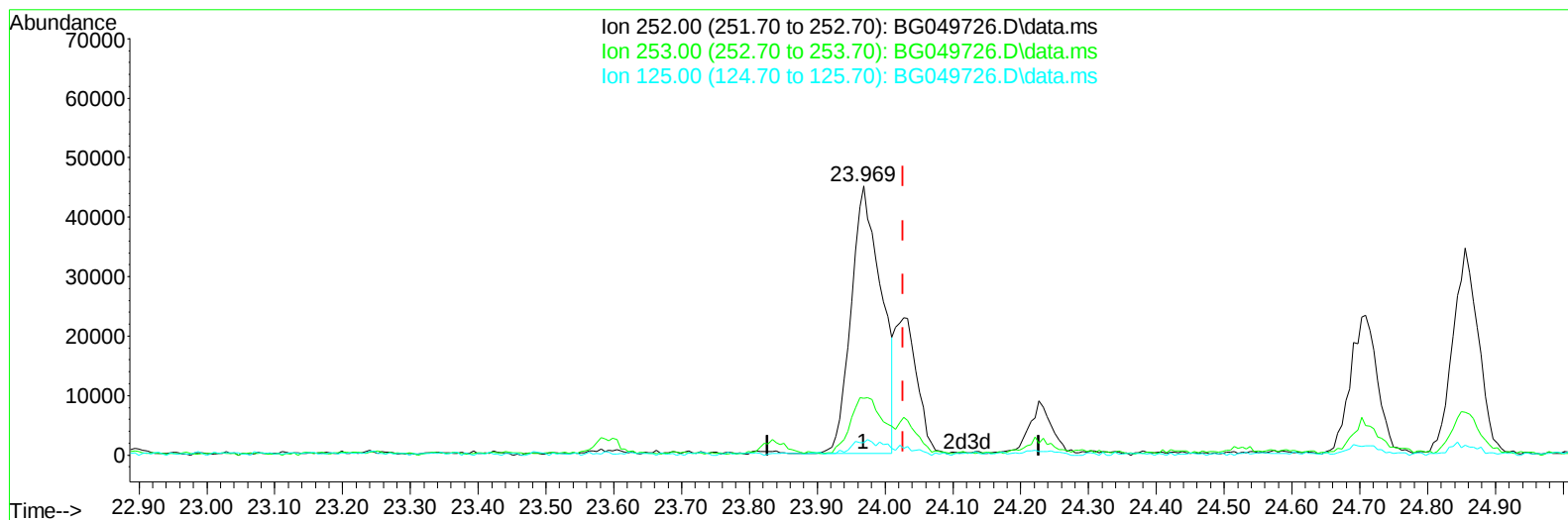
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG080521\  
Data File : BG049726.D  
Acq On : 8 Aug 2021 6:33  
Operator : CG/JU  
Sample : M3208-04  
Misc :  
ALS Vial : 59 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C00E4

Manual Integrations  
APPROVED

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Quant Time: Aug 09 04:04:45 2021  
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Quant Title : SVOA CALIBRATION  
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Response via : Initial Calibration



TIC: BG049726.D\data.ms

(91) Benzo(k)fluoranthene

23.969min (-0.059) 12.94 ng/u1

response 138553

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 22.30  | 21.06  |
| 125.00 | 4.80   | 4.66   |
| 0.00   | 0.00   | 0.00   |

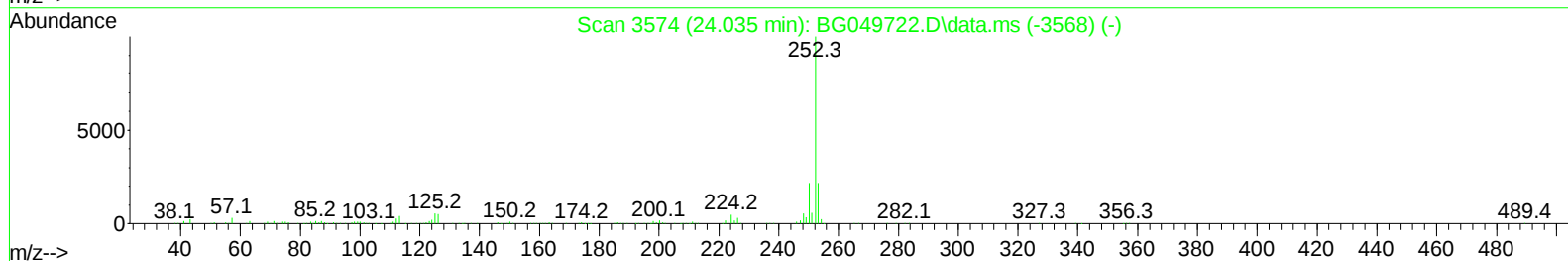
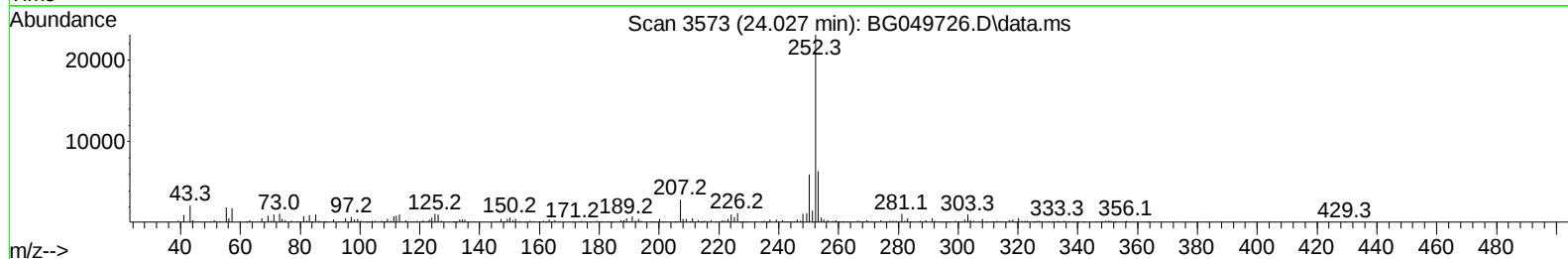
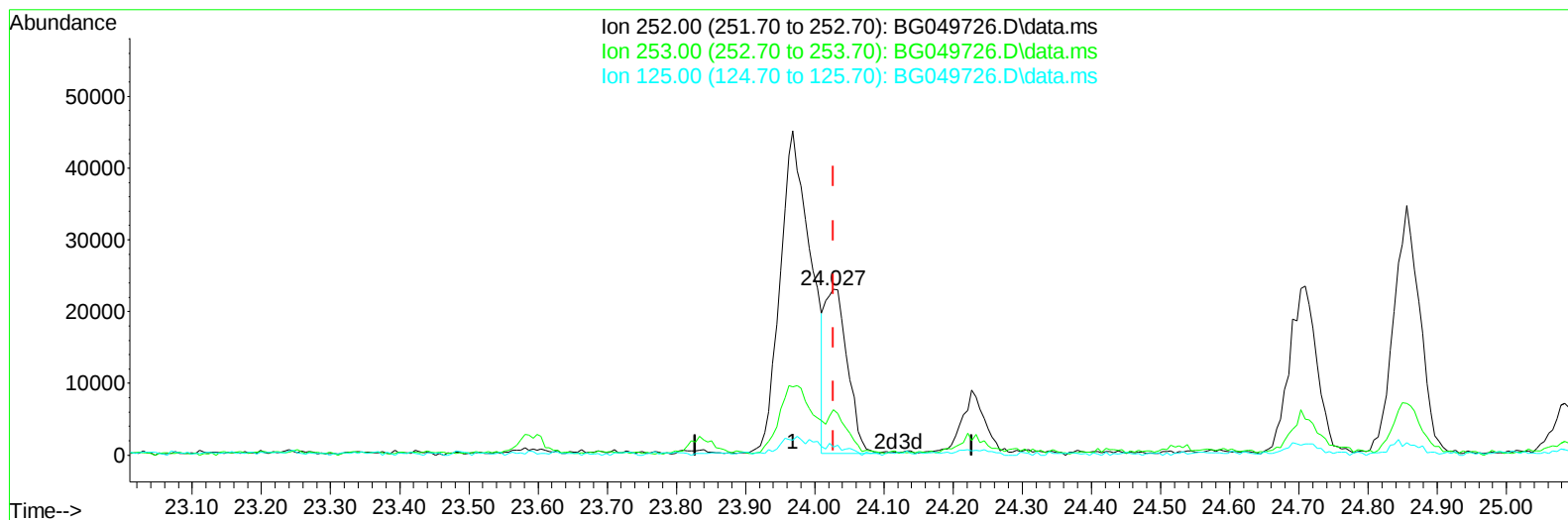
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG080521\  
Data File : BG049726.D  
Acq On : 8 Aug 2021 6:33  
Operator : CG/JU  
Sample : M3208-04  
Misc :  
ALS Vial : 59 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C00E4

Manual Integrations  
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mohammad  
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Quant Time: Aug 09 04:04:45 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SFAM-EPA-BG080421.M  
Quant Title : SVOA CALIBRATION  
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TIC: BG049726.D\data.ms

(91) Benzo(k)fluoranthene

24.027min (+ 0.000) 4.81 ng/u1 m

response 51501

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 22.30  | 27.50# |
| 125.00 | 4.80   | 4.92   |
| 0.00   | 0.00   | 0.00   |



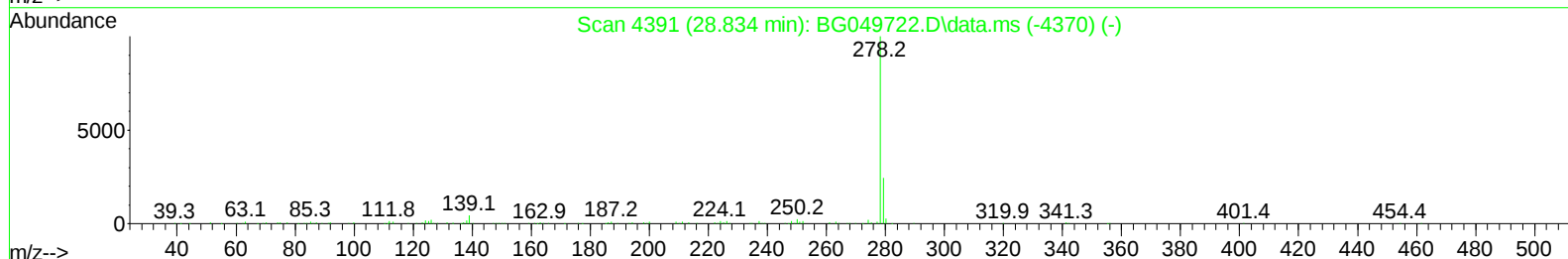
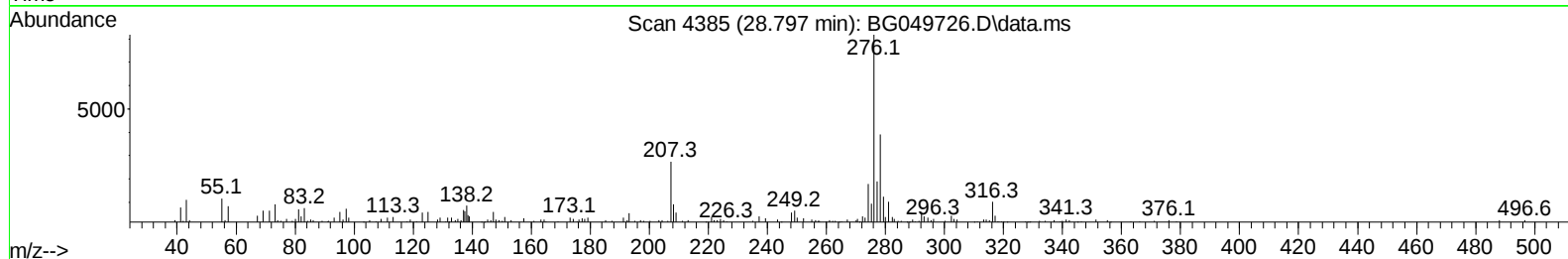
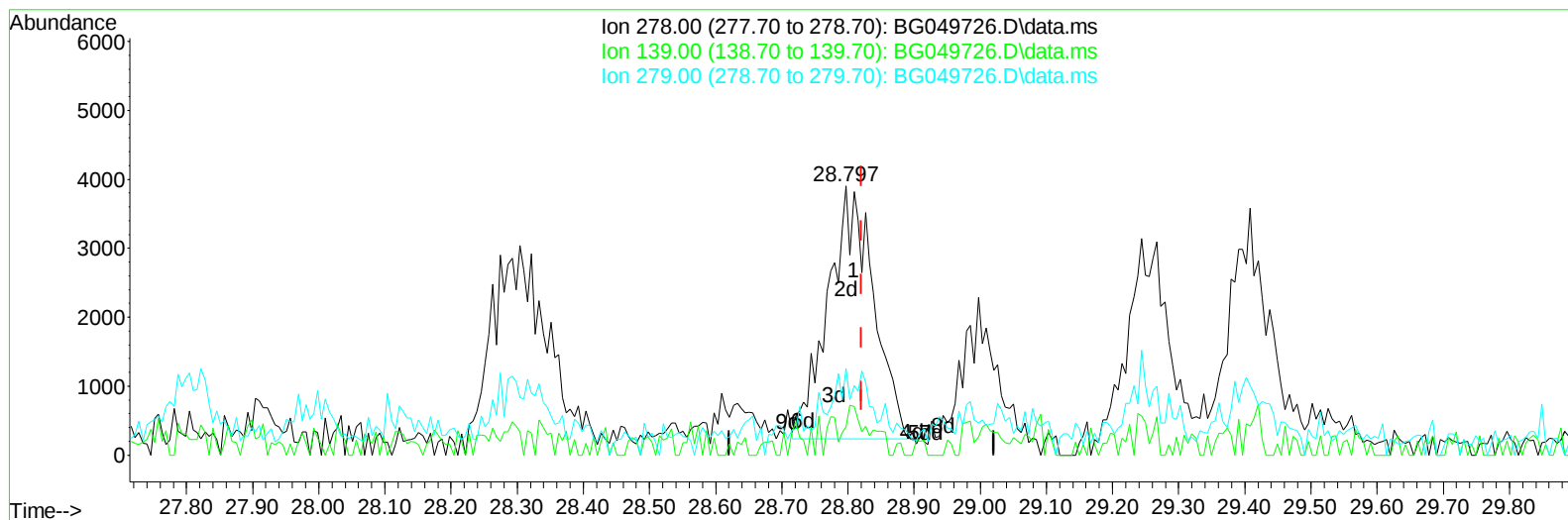
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG080521\  
Data File : BG049726.D  
Acq On : 8 Aug 2021 6:33  
Operator : CG/JU  
Sample : M3208-04  
Misc :  
ALS Vial : 59 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C00E4

Manual Integrations  
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mohammad  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SFAM-EPA-BG080421.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Aug 04 16:17:29 2021  
Response via : Initial Calibration



TIC: BG049726.D\data.ms

(95) Dibenzo(a,h)anthracene

28.797min (-0.023) 1.68 ng/ul m

response 17456

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 278.00 | 100.00 | 100.00 |
| 139.00 | 7.90   | 10.51# |
| 279.00 | 23.60  | 32.09# |
| 0.00   | 0.00   | 0.00   |

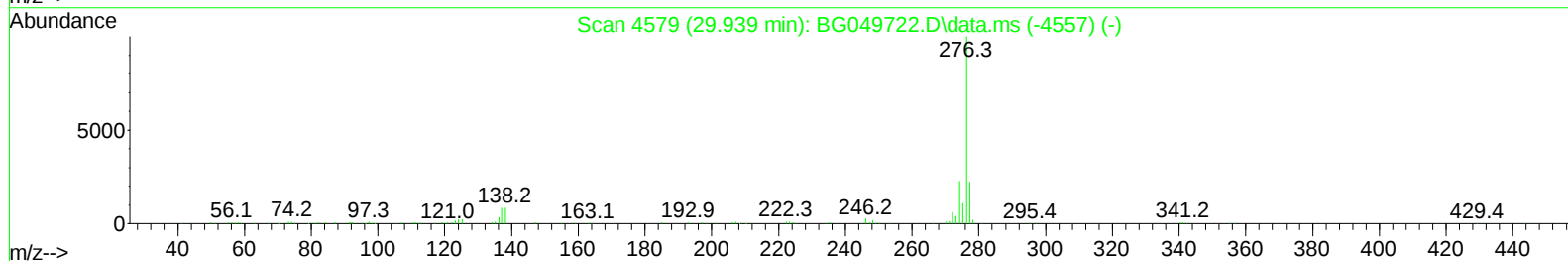
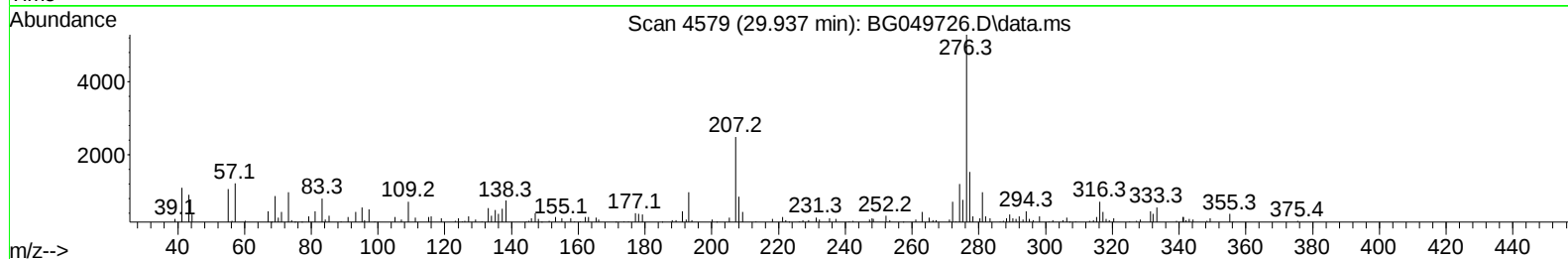
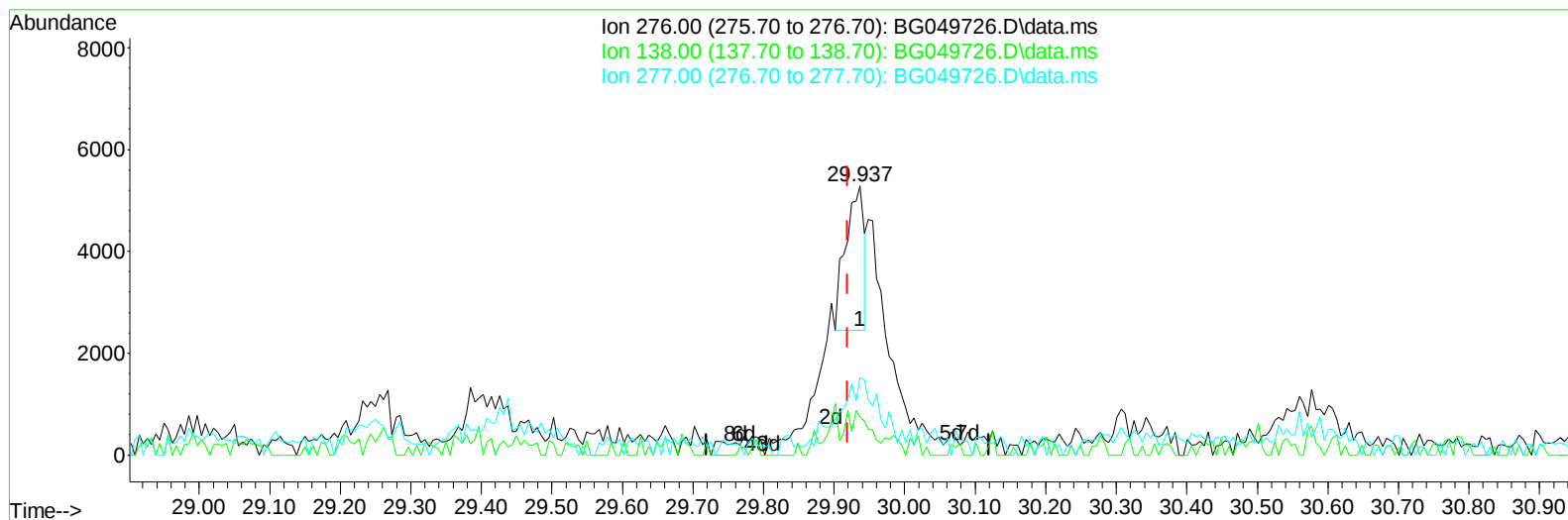
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Data File : BG049726.D  
Acq On : 8 Aug 2021 6:33  
Operator : CG/JU  
Sample : M3208-04  
Misc :  
ALS Vial : 59 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C00E4

Manual Integrations  
APPROVED

mohammad  
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Quant Time: Aug 09 04:04:45 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SFAM-EPA-BG080421.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Aug 04 16:17:29 2021  
Response via : Initial Calibration



TIC: BG049726.D\data.ms

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

29.937min (+ 0.018) 0.49 ng/u1

response 5097

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 9.00   | 13.96# |
| 277.00 | 24.40  | 28.84  |
| 0.00   | 0.00   | 0.00   |

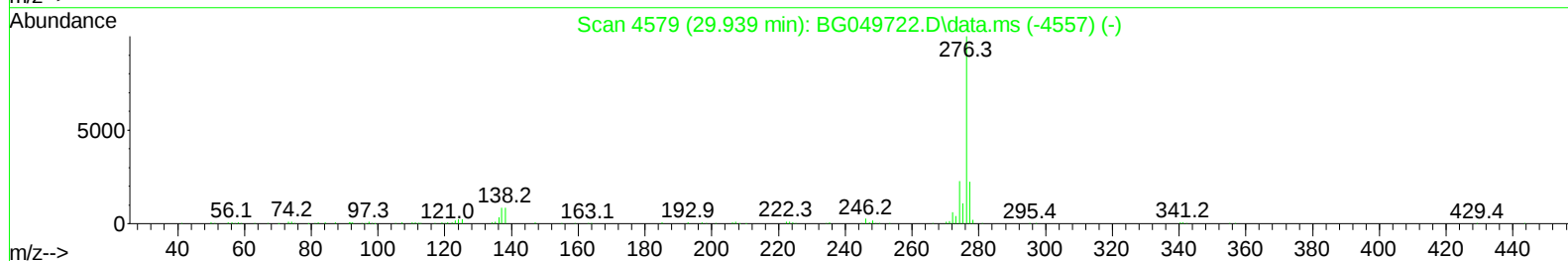
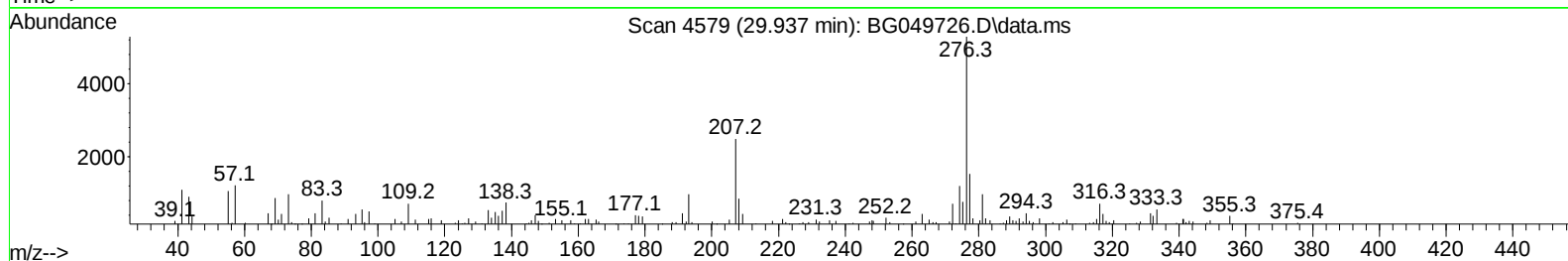
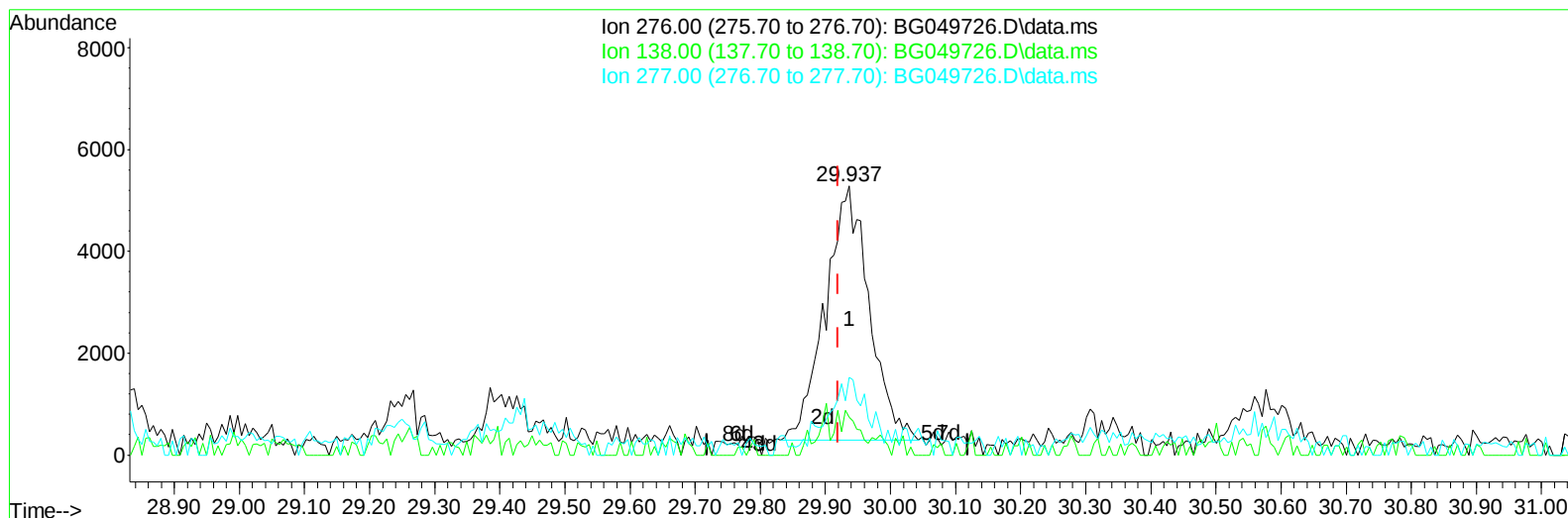
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG080521\  
Data File : BG049726.D  
Acq On : 8 Aug 2021 6:33  
Operator : CG/JU  
Sample : M3208-04  
Misc :  
ALS Vial : 59 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C00E4

Manual Integrations  
APPROVED

mohammad  
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Response via : Initial Calibration



TIC: BG049726.D\data.ms

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

29.937min (+ 0.018) 2.25 ng/ul m

response 23330

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 9.00   | 13.96# |
| 277.00 | 24.40  | 28.84  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG080521\  
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 Operator : CG/JU  
 Sample : M3208-04  
 Misc :  
 ALS Vial : 59 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
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Manual Integrations  
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 QLast Update : Wed Aug 04 16:17:29 2021  
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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.043  | 152  | 34371    | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.863 | 136  | 141614   | 20.000 | ng/ul  | # 0.00   |
| 38) Acenaphthene-d10          | 14.693 | 164  | 93181    | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.448 | 188  | 180767   | 20.000 | ng/ul  | # 0.00   |
| 79) Chrysene-d12              | 21.730 | 240  | 155857   | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 25.008 | 264  | 164923   | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.432  | 96   | 2017m    | 2.744  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.861  | 84   | 20427    | 9.260  | ng/ul  | 0.01     |
| 7) Phenol-d5                  | 7.197  | 99   | 45185    | 14.485 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.362  | 67   | 28324    | 15.808 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.573  | 132  | 36282    | 16.251 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.754  | 113  | 26001    | 10.932 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.212  | 128  | 19183    | 17.196 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.941  | 143  | 23463    | 18.417 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.487 | 165  | 39532    | 16.457 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.004 | 131  | 26709    | 8.122  | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.094 | 166  | 125659   | 17.184 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.387 | 160  | 155424   | 17.865 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.899 | 143  | 14559    | 12.314 | ng/ul  | 0.01     |
| 60) Fluorene-d10              | 15.686 | 176  | 109994   | 17.499 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.809 | 200  | 15492    | 12.733 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.542 | 188  | 153863m  | 18.032 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.833 | 212  | 161947   | 18.859 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.785 | 264  | 152455   | 16.871 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 30) Naphthalene               | 10.916 | 128  | 7916     | 1.070  | ng/ul# | 91       |
| 50) Acenaphthylene            | 14.423 | 152  | 9386     | 1.143  | ng/ul# | 89       |
| 72) Phenanthrene              | 17.489 | 178  | 100322   | 10.486 | ng/ul  | 98       |
| 74) Anthracene                | 17.583 | 178  | 11890    | 1.242  | ng/ul  | 95       |
| 77) Carbazole                 | 17.847 | 167  | 10448    | 1.222  | ng/ul# | 93       |
| 80) Fluoranthene              | 19.498 | 202  | 220379   | 20.794 | ng/ul  | 98       |
| 82) Pyrene                    | 19.862 | 202  | 185501   | 17.549 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.707 | 228  | 96308    | 9.412  | ng/ul  | 96       |
| 87) Chrysene                  | 21.777 | 228  | 101805   | 10.652 | ng/ul  | 97       |
| 90) Benzo(b)fluoranthene      | 23.969 | 252  | 138553   | 12.853 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 24.027 | 252  | 51501m   | 4.812  | ng/ul  |          |
| 93) Benzo(a)pyrene            | 24.856 | 252  | 89436    | 9.425  | ng/ul  | 97       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.768 | 276  | 69827    | 5.607  | ng/ul  | 98       |
| 95) Dibenzo(a,h)anthracene    | 28.797 | 278  | 17456m   | 1.680  | ng/ul  |          |
| 96) Benzo(g,h,i)perylene      | 29.937 | 276  | 23330m   | 2.253  | ng/ul  |          |
| -----                         |        |      |          |        |        |          |

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

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