

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP051322\  
 Data File : BP010346.D  
 Acq On : 13 May 2022 11:01  
 Operator : CG/JU  
 Sample : SST00538  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

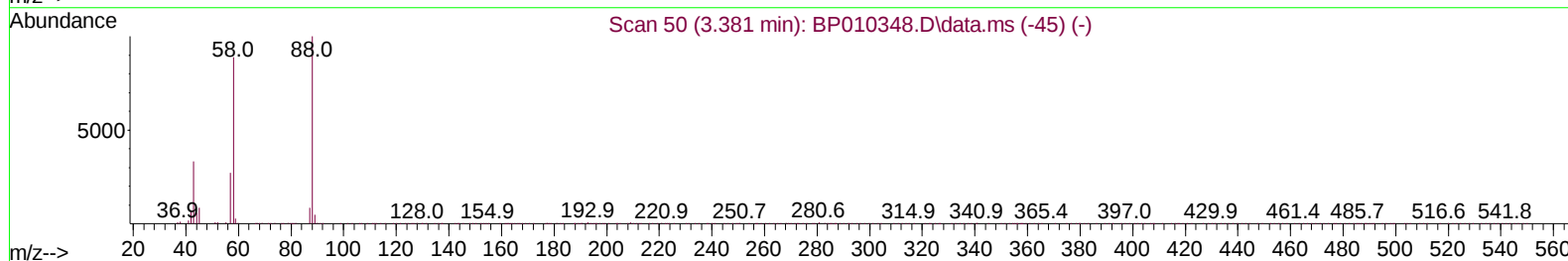
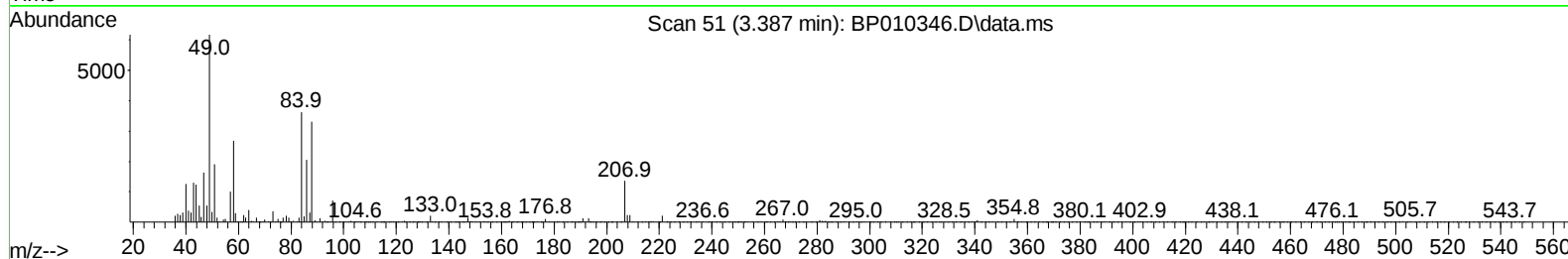
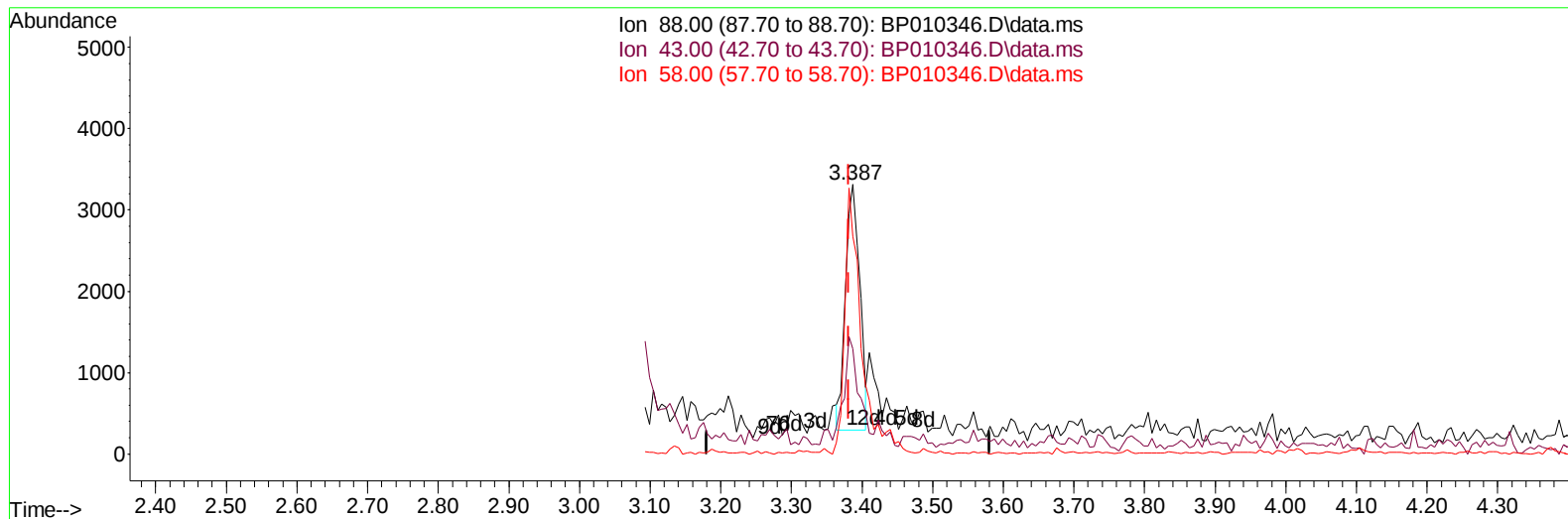
Instrument :  
 BNA\_P  
 ClientSampleId :  
 SST005638

Manual IntegrationsAPPROVED

Quant Time: May 13 14:54:41 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP051322.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri May 13 14:50:13 2022  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 05/16/2022  
 Supervised By :Yogesh Patel 05/17/2022

Patel 05/17/2022



TIC: BP010346.D\data.ms

(2) 1,4-Dioxane

3.387min (+ 0.006) 1.50 ng/uL

response 4253

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 88.00 | 100.00 | 100.00 |
| 43.00 | 8.50   | 39.09# |
| 58.00 | 35.50  | 80.74# |
| 0.00  | 0.00   | 0.00   |

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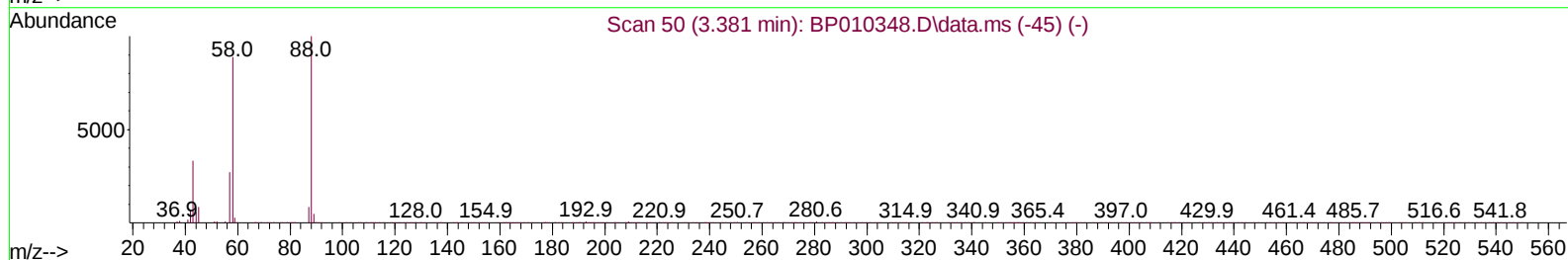
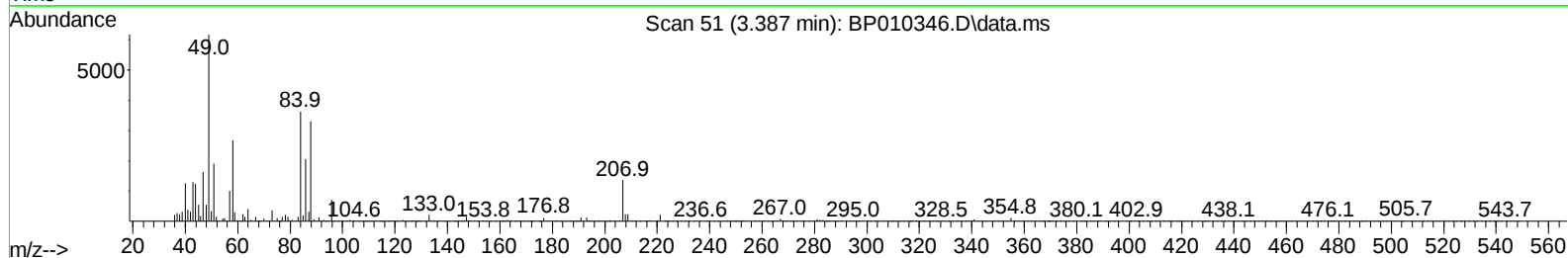
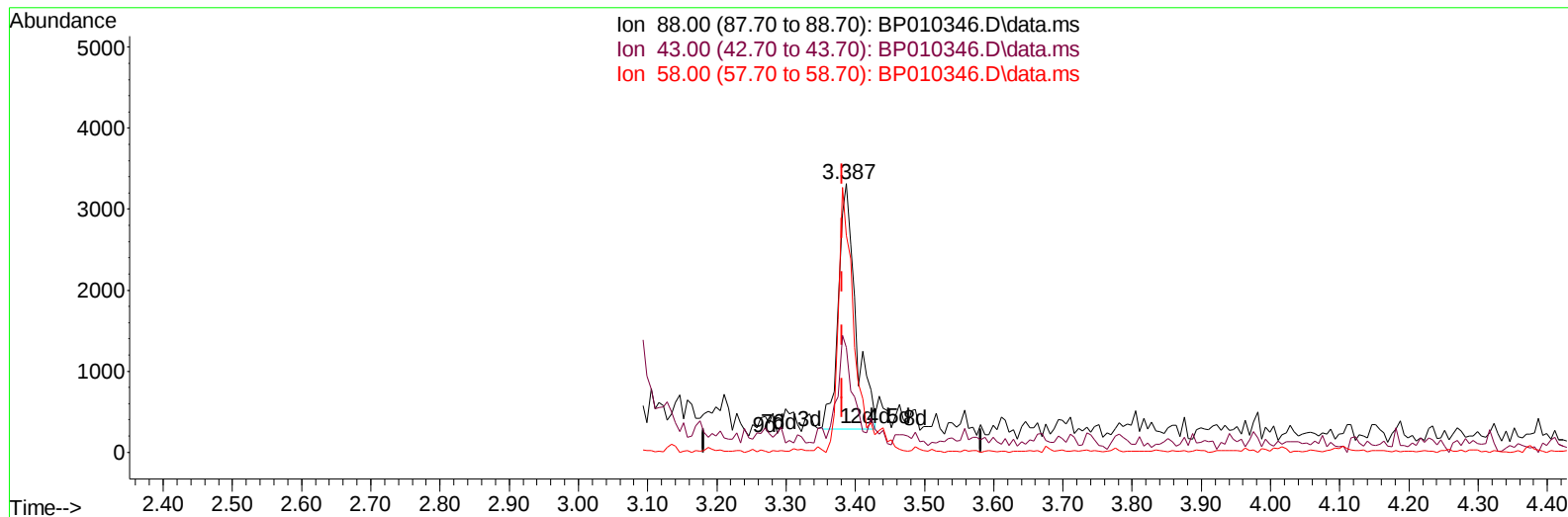
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TIC: BP010346.D\data.ms

(2) 1,4-Dioxane

3.387min (+ 0.006) 1.87 ng/uL m

response 5304

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 88.00 | 100.00 | 100.00 |
| 43.00 | 8.50   | 39.09# |
| 58.00 | 35.50  | 80.74# |
| 0.00  | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP051322\  
Data File : BP010346.D  
Acq On : 13 May 2022 11:01  
Operator : CG/JU  
Sample : SST00538  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

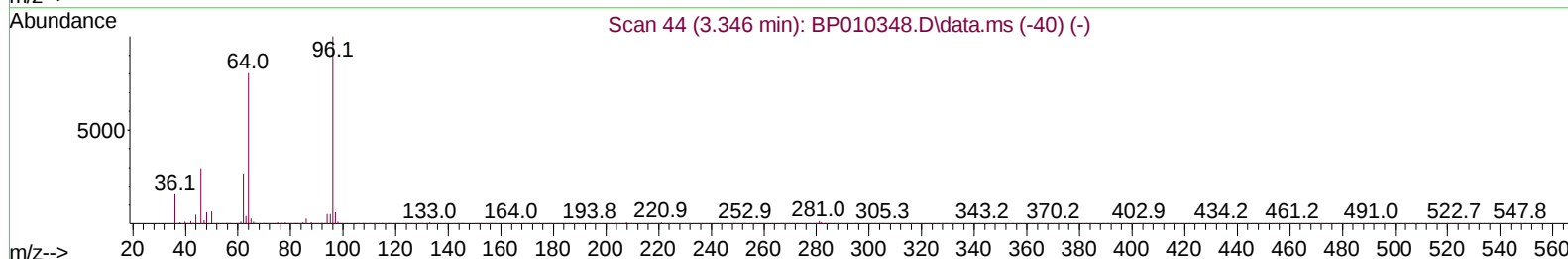
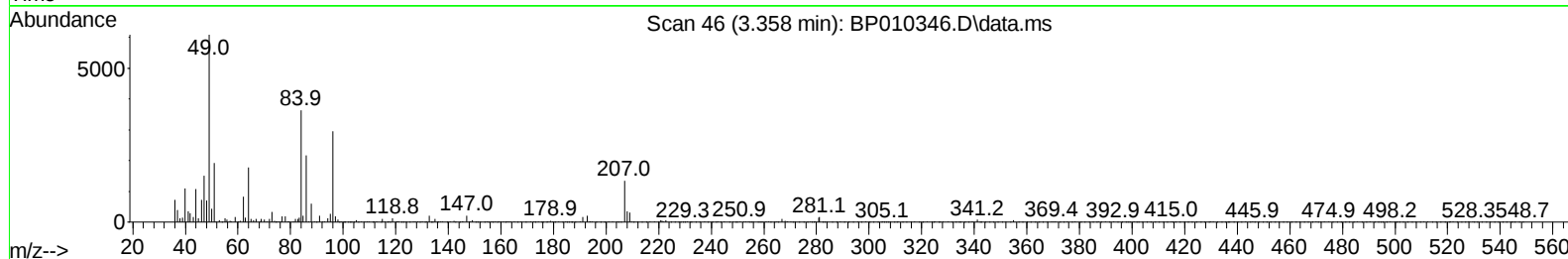
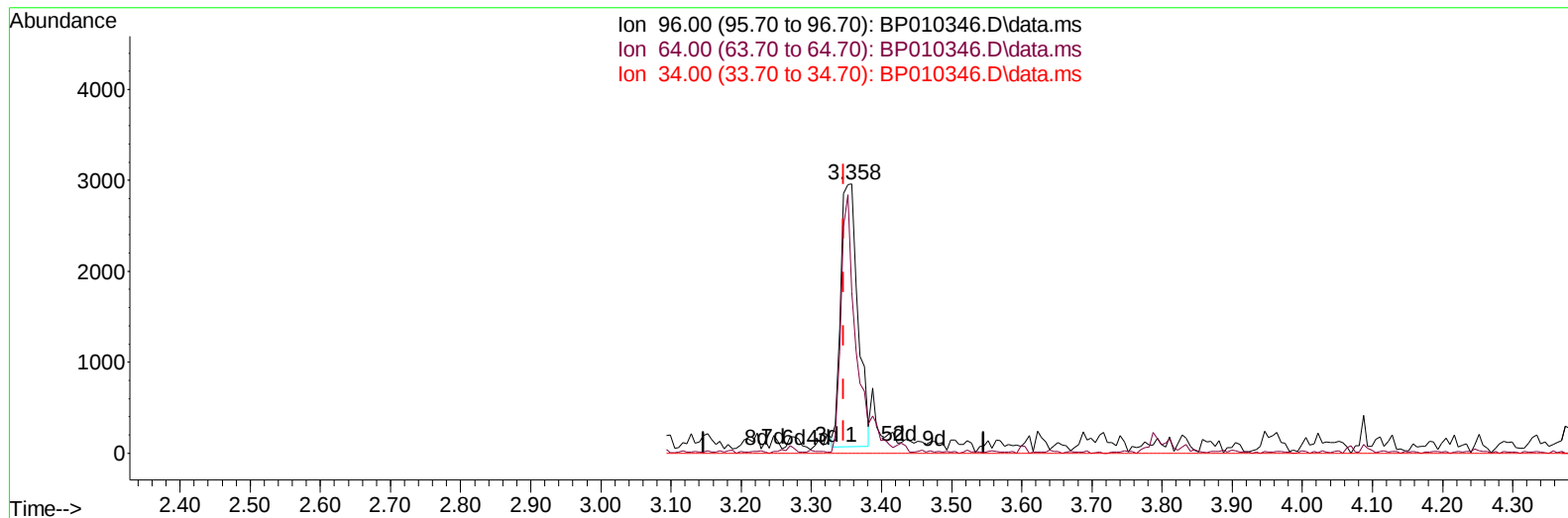
Instrument :  
BNA\_P  
ClientSampleId :  
SSTD005638

## Manual IntegrationsAPPROVED

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TIC: BP010346.D\data.ms

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

3.358min (+ 0.012) 1.81 ng/uL

response 4911

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 96.00 | 100.00 | 100.00 |
| 64.00 | 55.40  | 60.05  |
| 34.00 | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |



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 Data File : BP010346.D  
 Acq On : 13 May 2022 11:01  
 Operator : CG/JU  
 Sample : SST00538  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

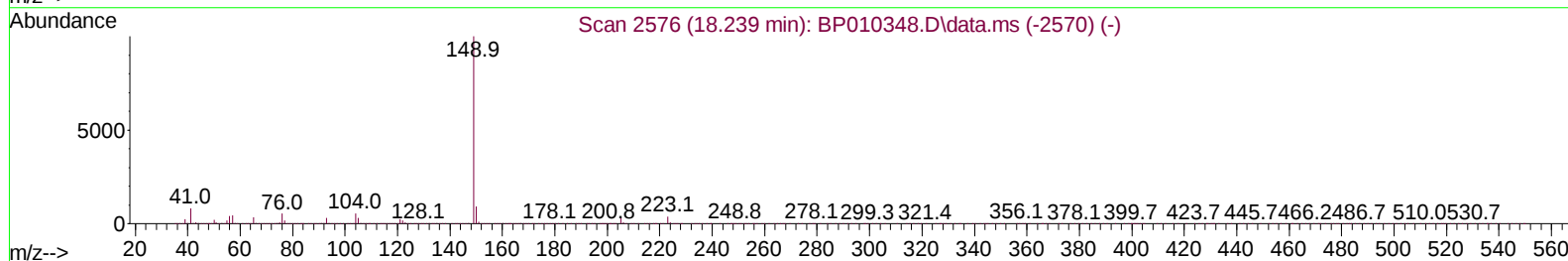
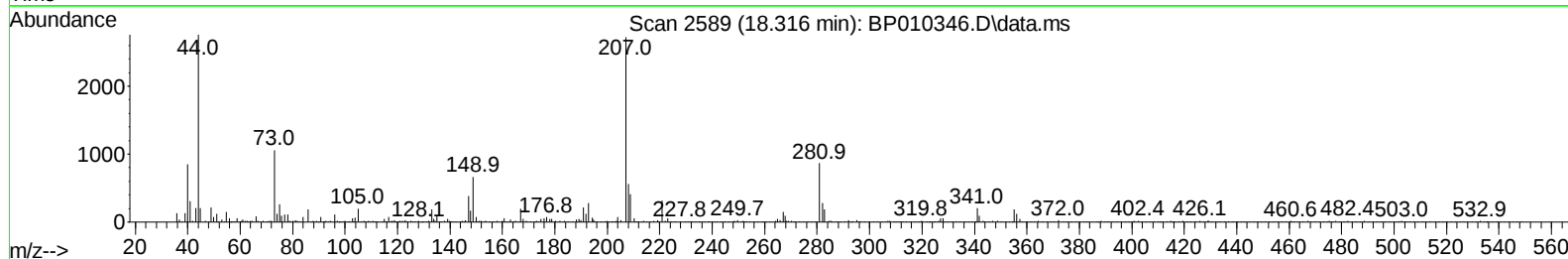
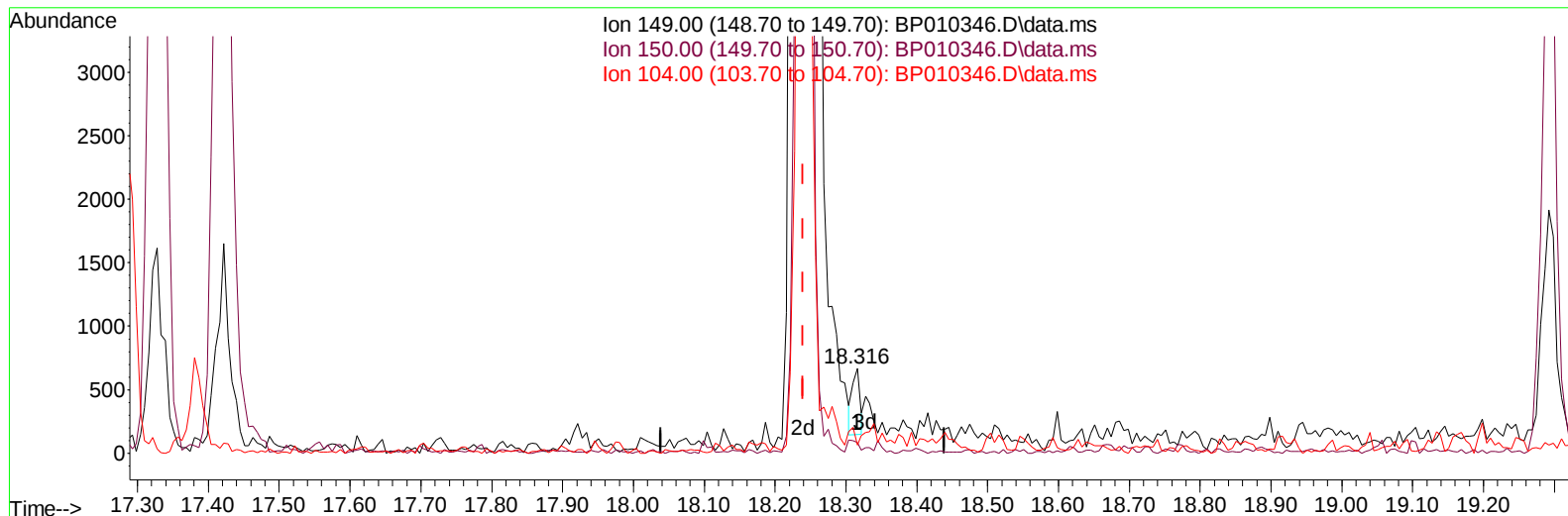
Instrument :  
 BNA\_P  
 ClientSampleId :  
 SST005638

Manual IntegrationsAPPROVED

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TIC: BP010346.D\data.ms

**(78) Di-n-butylphthalate**

**18.316min (+ 0.077) 0.01 ng/ul**

**response 389**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 149.00 | 100.00 | 100.00 |
| 150.00 | 12.00  | 12.16  |
| 104.00 | 7.80   | 9.31   |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP051322\  
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 Acq On : 13 May 2022 11:01  
 Operator : CG/JU  
 Sample : SST00538  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

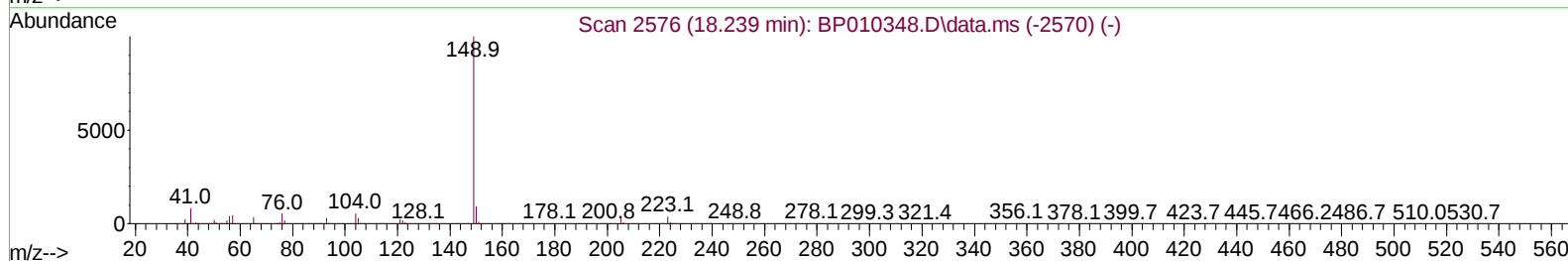
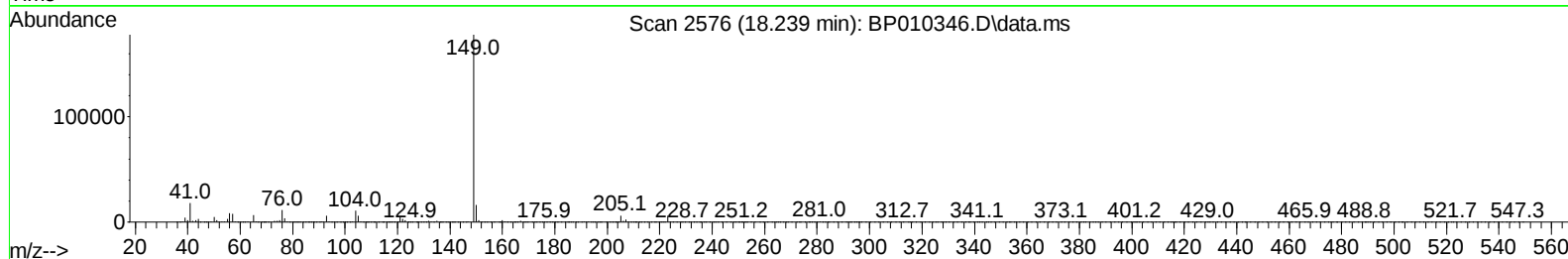
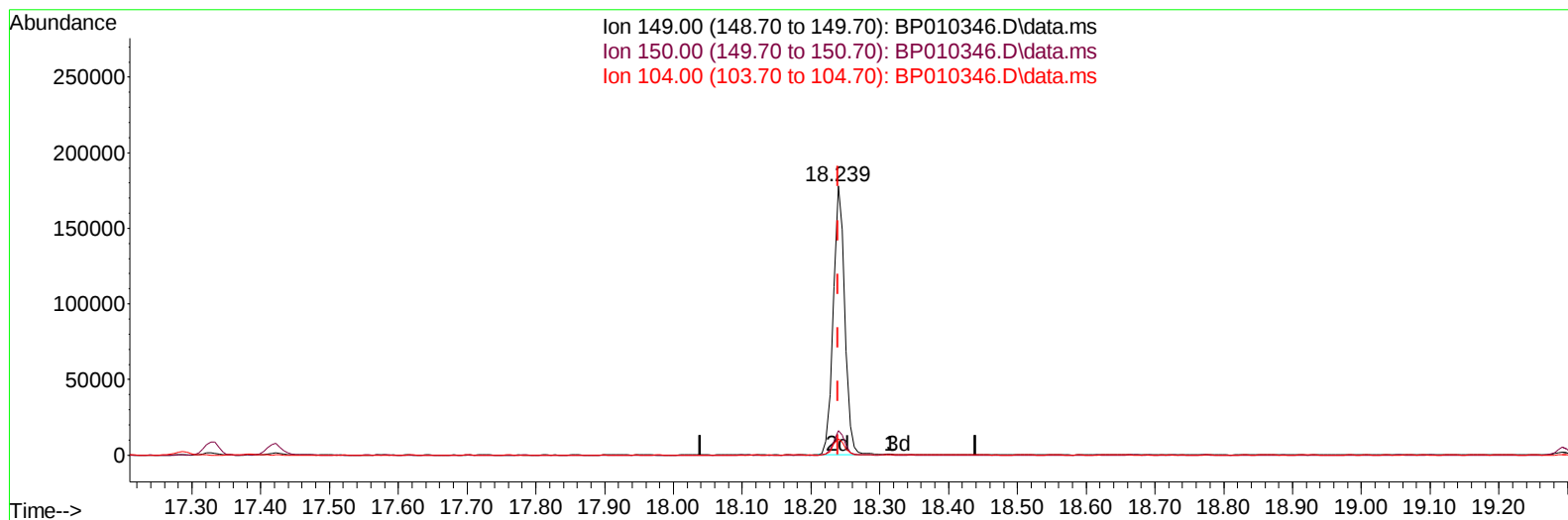
Instrument :  
 BNA\_P  
 ClientSampleId :  
 SST005638

Manual IntegrationsAPPROVED

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Patel 05/17/2022



TIC: BP010346.D\data.ms

**(78) Di-n-butylphthalate**

**18.239min (+ 0.000) 4.35 ng/ul m**

**response 207321**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 149.00 | 100.00 | 100.00 |
| 150.00 | 12.00  | 9.02#  |
| 104.00 | 7.80   | 5.97#  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP051322\  
 Data File : BP010346.D  
 Acq On : 13 May 2022 11:01  
 Operator : CG/JU  
 Sample : SSTD00538  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

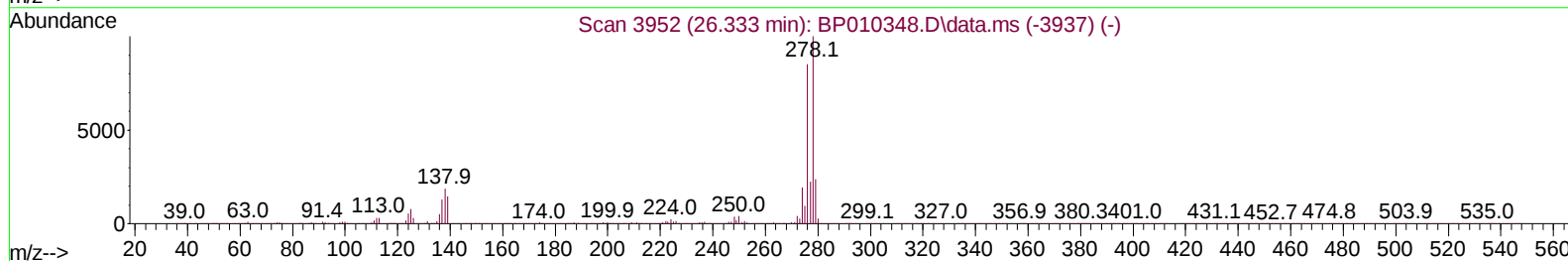
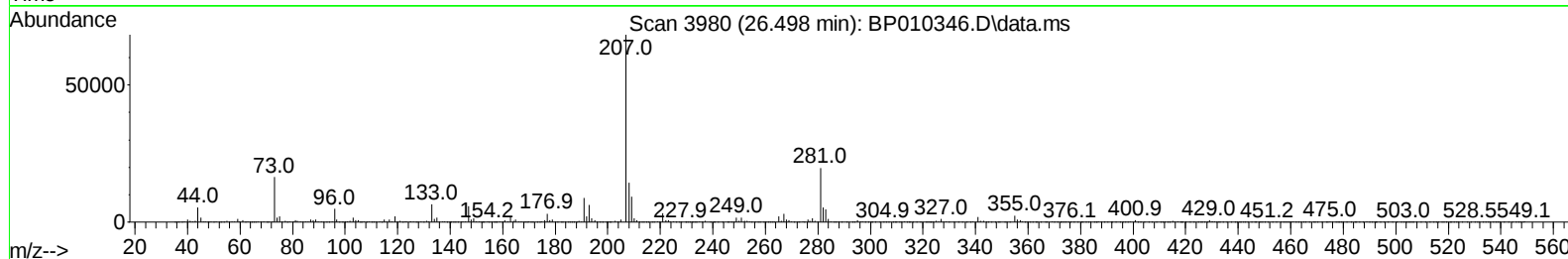
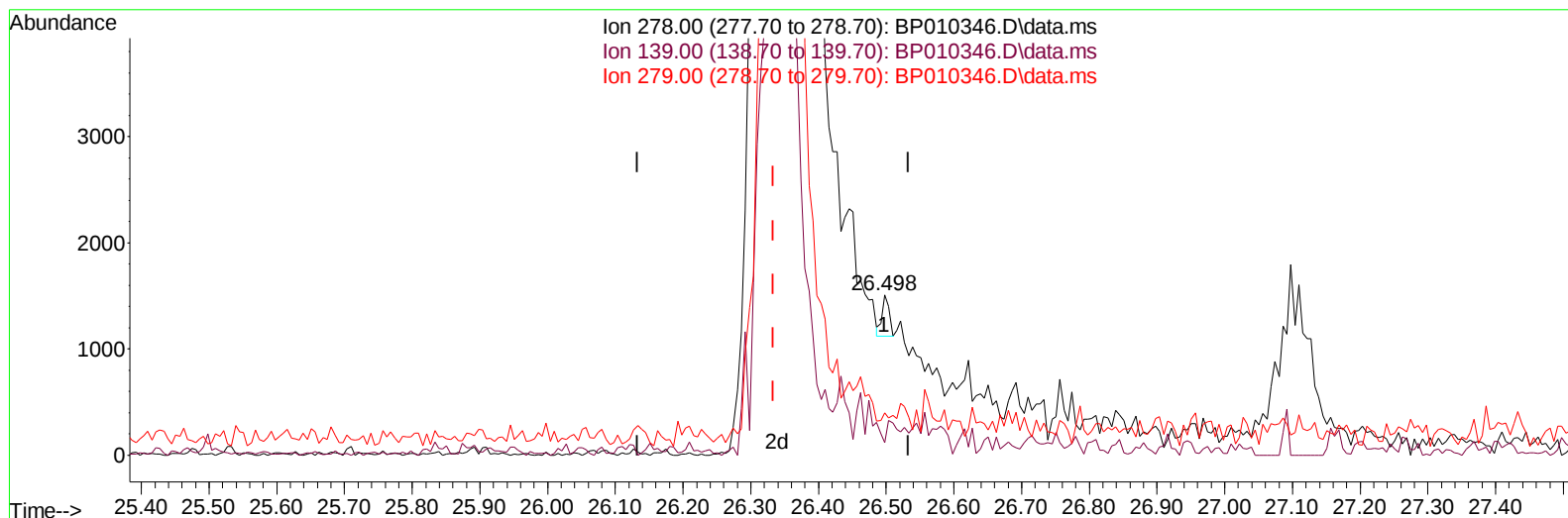
Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTD005638

Manual IntegrationsAPPROVED

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Patel 05/17/2022



TIC: BP010346.D\data.ms

**(95) Dibenzo(a,h)anthracene**

**26.498min (+ 0.165) 0.01 ng/u1**

**response 280**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 278.00 | 100.00 | 100.00 |
| 139.00 | 8.30   | 9.94   |
| 279.00 | 23.00  | 26.44  |
| 0.00   | 0.00   | 0.00   |

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 Data File : BP010346.D  
 Acq On : 13 May 2022 11:01  
 Operator : CG/JU  
 Sample : SSTD00538  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

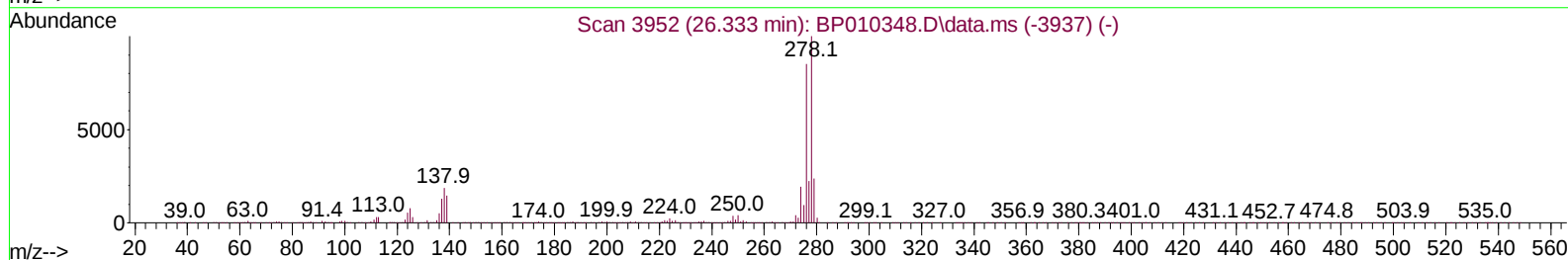
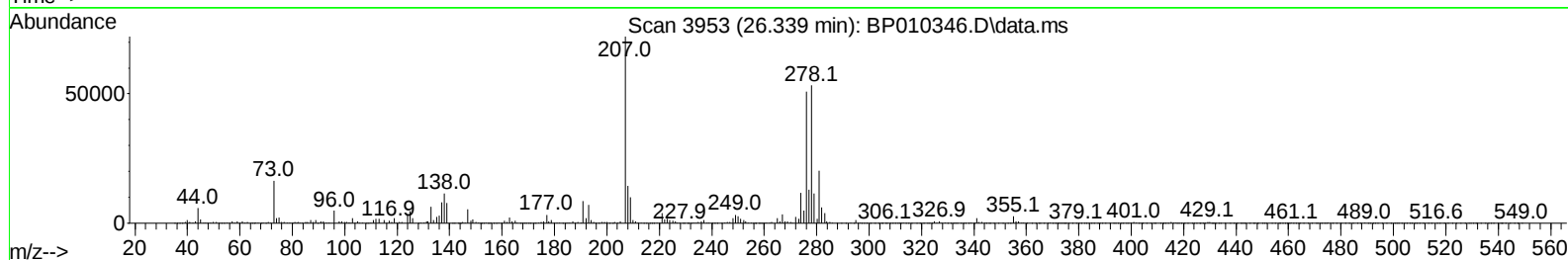
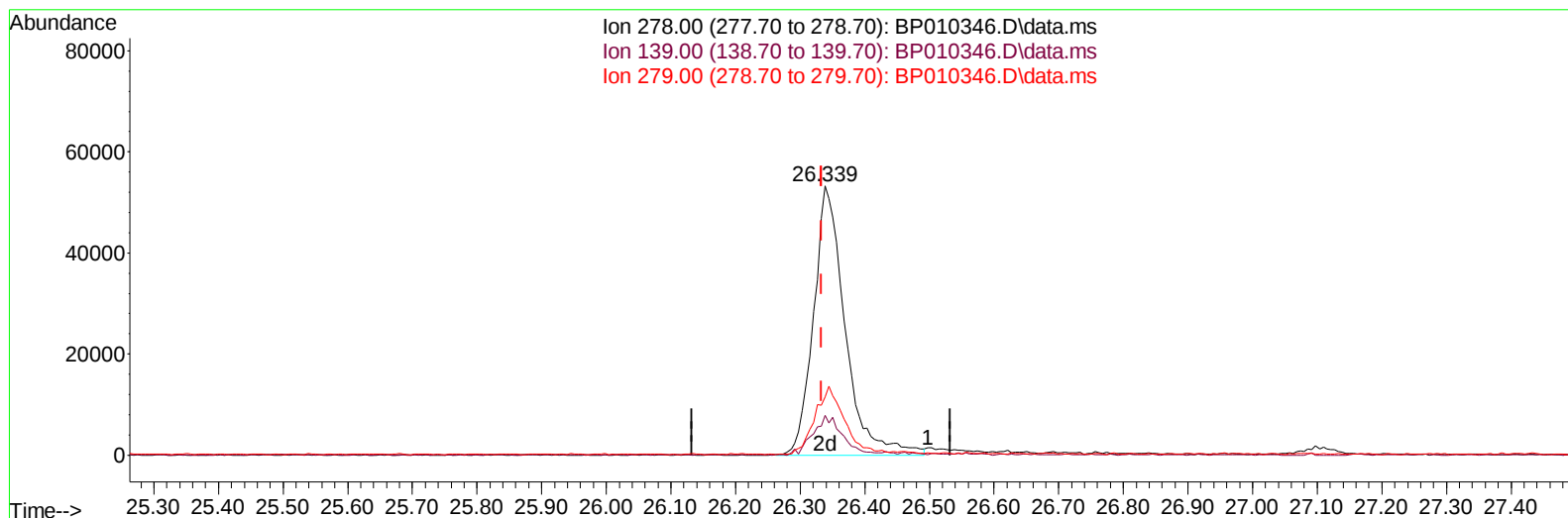
Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTD005638

Manual IntegrationsAPPROVED

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TIC: BP010346.D\data.ms

**(95) Dibenzo(a,h)anthracene**

**26.339min (+ 0.006) 4.41 ng/ul m**

**response 180487**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 278.00 | 100.00 | 100.00 |
| 139.00 | 8.30   | 14.85# |
| 279.00 | 23.00  | 21.50  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP051322\  
 Data File : BP010346.D  
 Acq On : 13 May 2022 11:01  
 Operator : CG/JU  
 Sample : SST00538  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

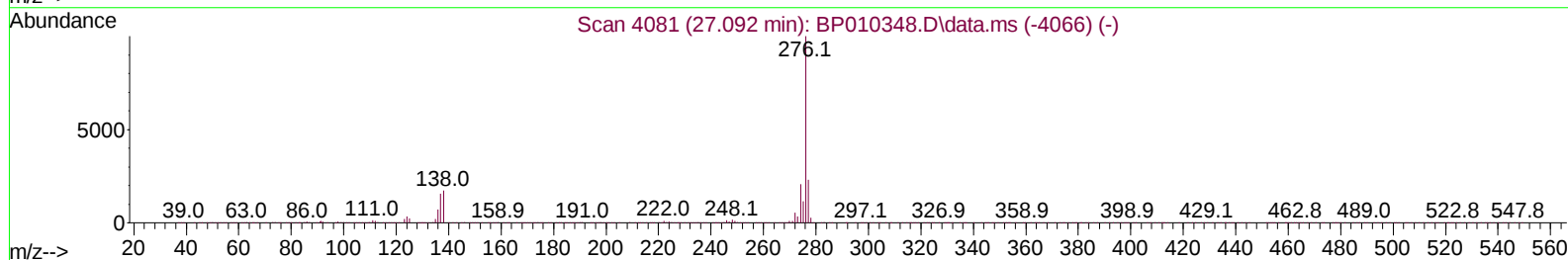
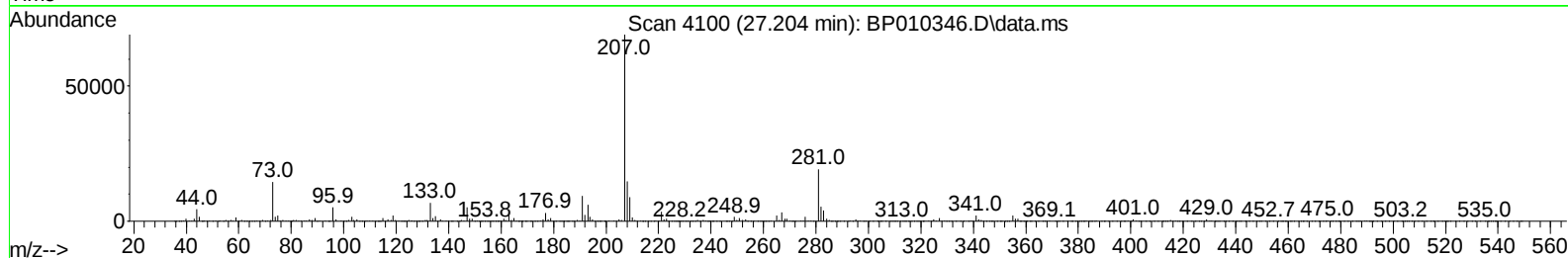
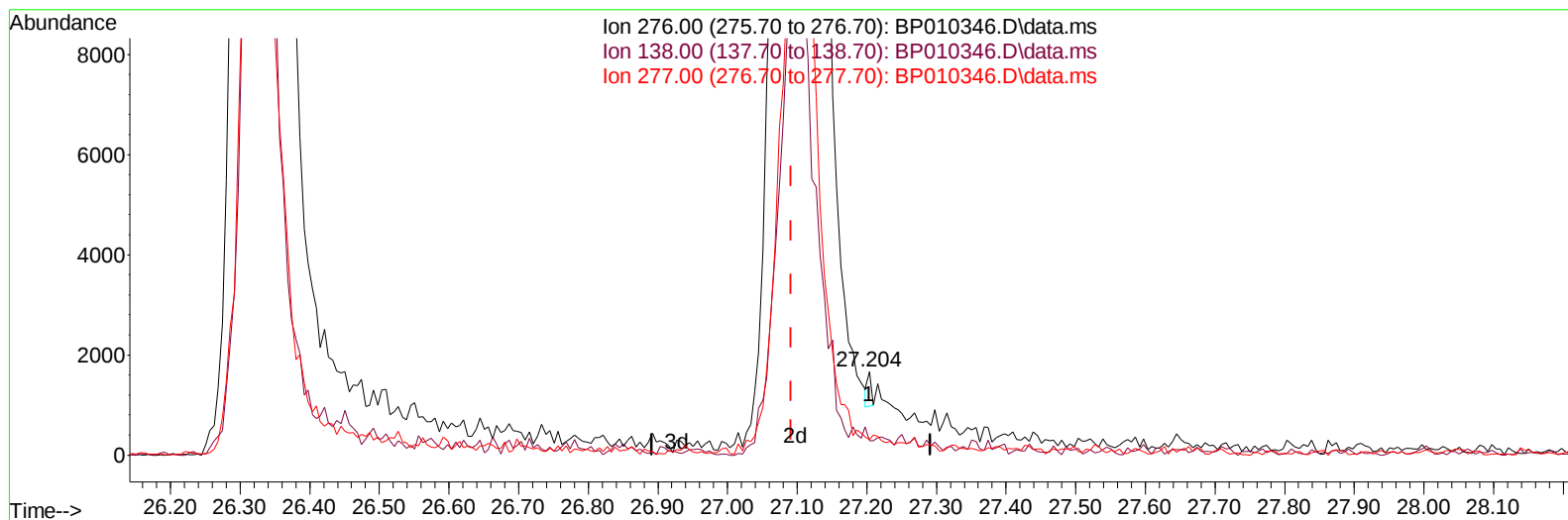
Instrument :  
 BNA\_P  
 ClientSampleId :  
 SST005638

## Manual IntegrationsAPPROVED

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 Supervised By :Yogesh Patel 05/17/2022

Patel 05/17/2022

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TIC: BP010346.D\data.ms

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

27.204min (+ 0.112) 0.01 ng/u1

| response | 251    |        |
|----------|--------|--------|
| Ion      | Exp%   | Act%   |
| 276.00   | 100.00 | 100.00 |
| 138.00   | 14.50  | 17.18  |
| 277.00   | 19.90  | 18.85  |
| 0.00     | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP051322\  
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 Operator : CG/JU  
 Sample : SSTD00538  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

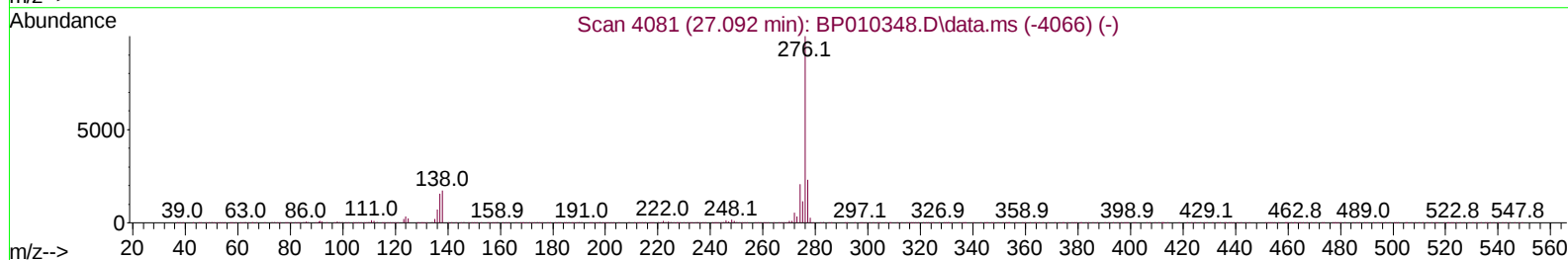
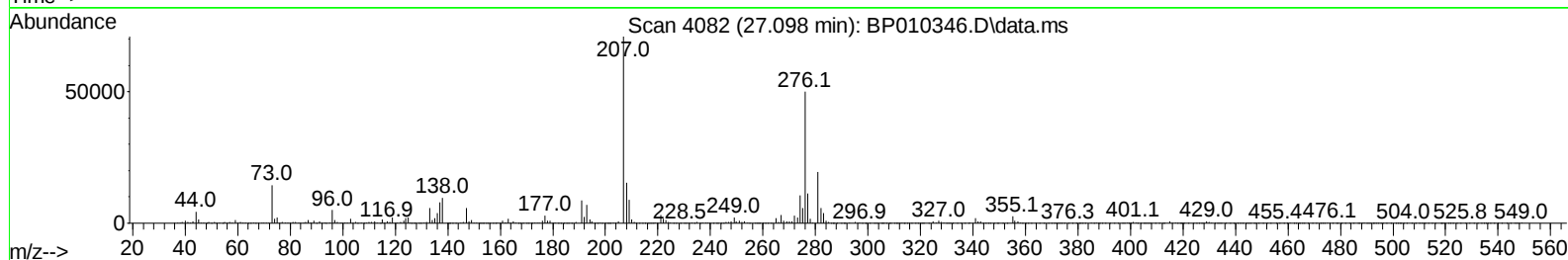
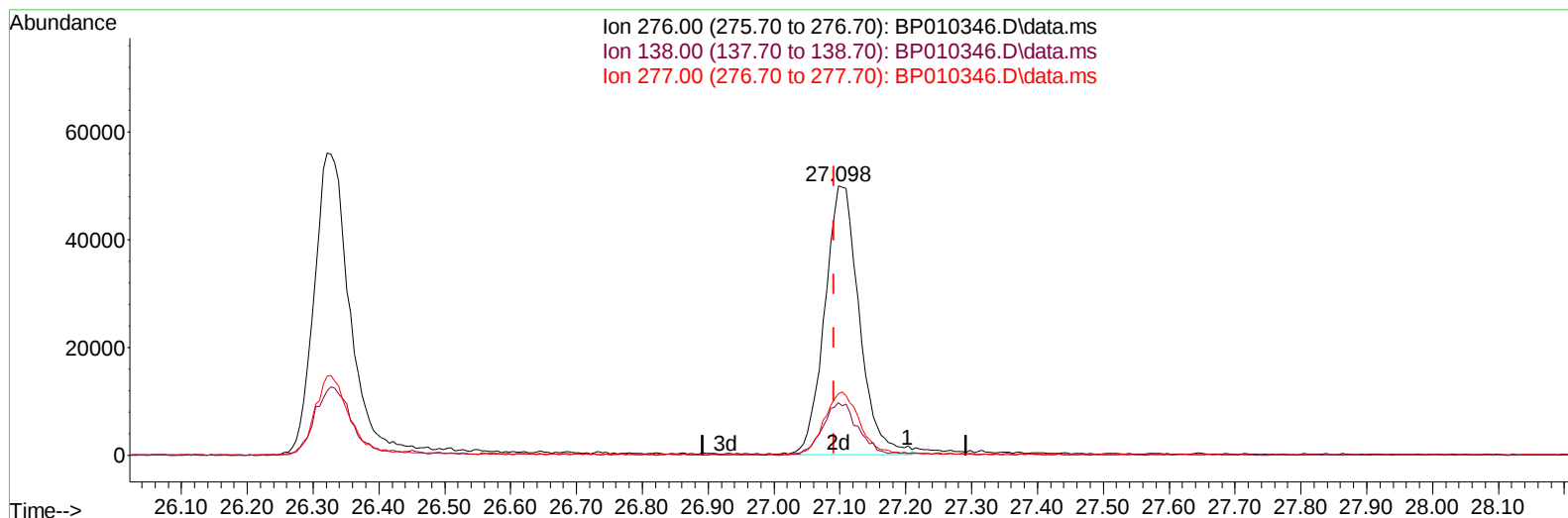
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 BNA\_P  
 ClientSampleId :  
 SSTD005638

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TIC: BP010346.D\data.ms

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

27.098min (+ 0.006) 4.58 ng/ul m

response 181410

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 14.50  | 19.45# |
| 277.00 | 19.90  | 22.84  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP051322\  
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 Sample : SSTD00538  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

## Instrument :

BNA\_P

## ClientSampleId :

SSTD005638

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.905  | 152  | 116528   | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.704 | 136  | 506902   | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.534 | 164  | 366628   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.286 | 188  | 830938   | 20.000 | ng/ul  | # 0.00   |
| 79) Chrysene-d12              | 21.369 | 240  | 891060   | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 23.798 | 264  | 813513   | 20.000 | ng/ul  | 0.01     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.358  | 96   | 5222m    | 1.930  | ng/uL  | 0.01     |
| 4) Pyridine-d5                | 0.000  | 84   | 0d       | 0.000  | ng/ul  |          |
| 7) Phenol-d5                  | 0.000  | 99   | 0d       | 0.000  | ng/ul  |          |
| 9) Bis-(2-Chloroethyl)eth...  | 0.000  | 67   | 0d       | 0.000  | ng/ul  |          |
| 11) 2-Chlorophenol-d4         | 7.434  | 132  | 32325    | 4.319  | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 0.000  | 113  | 0d       | 0.000  | ng/ul  |          |
| 21) Nitrobenzene-d5           | 9.063  | 128  | 16962    | 4.324  | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.787  | 143  | 16815    | 4.044  | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.328 | 165  | 34478    | 4.386  | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 0.000  | 131  | 0d       | 0.000  | ng/ul  |          |
| 46) Dimethylphthalate-d6      | 13.945 | 166  | 127419   | 4.717  | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.228 | 160  | 140321   | 4.504  | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 0.000  | 143  | 0d       | 0.000  | ng/ul  |          |
| 60) Fluorene-d10              | 15.528 | 176  | 112143   | 4.772  | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 0.000  | 200  | 0d       | 0.000  | ng/ul  |          |
| 73) Anthracene-d10            | 17.386 | 188  | 171906   | 4.569  | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.616 | 212  | 216190   | 4.569  | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.639 | 264  | 176706   | 4.326  | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.387  | 88   | 5304m    | 1.874  | ng/uL  |          |
| 12) 2-Chlorophenol            | 7.469  | 128  | 35202    | 4.506  | ng/ul  | 95       |
| 17) N-Nitroso-di-n-propyla... | 8.710  | 70   | 31930    | 4.568  | ng/ul# | 69       |
| 19) Hexachloroethane          | 8.987  | 117  | 16551    | 4.871  | ng/ul# | 81       |
| 22) Nitrobenzene              | 9.105  | 77   | 47460    | 4.604  | ng/ul# | 79       |
| 23) Isophorone                | 9.634  | 82   | 84433    | 4.431  | ng/ul  | 98       |
| 25) 2-Nitrophenol             | 9.822  | 139  | 19221    | 4.210  | ng/ul# | 85       |
| 26) 2,4-Dimethylphenol        | 9.881  | 107  | 44848    | 4.528  | ng/ul# | 79       |
| 27) Bis(2-Chloroethoxy)met... | 10.116 | 93   | 51334    | 4.524  | ng/ul# | 96       |
| 29) 2,4-Dichlorophenol        | 10.357 | 162  | 36220    | 4.506  | ng/ul# | 85       |
| 30) Naphthalene               | 10.757 | 128  | 124309   | 4.695  | ng/ul  | 96       |
| 33) Hexachlorobutadiene       | 11.046 | 225  | 27599    | 4.846  | ng/ul  | 95       |
| 35) 4-Chloro-3-methylphenol   | 11.993 | 107  | 40455    | 4.303  | ng/ul# | 72       |
| 36) 2-Methylnaphthalene       | 12.363 | 142  | 86649    | 4.623  | ng/ul  | 92       |
| 37) 1-Methylnaphthalene       | 12.581 | 142  | 89925    | 4.752  | ng/ul# | 92       |
| 39) 1,2,4,5-Tetrachloroben... | 12.734 | 216  | 54219    | 4.846  | ng/ul# | 94       |
| 41) 2,4,6-Trichlorophenol     | 12.975 | 196  | 29644    | 4.251  | ng/ul# | 77       |
| 42) 2,4,5-Trichlorophenol     | 13.051 | 196  | 32632    | 4.191  | ng/ul# | 92       |
| 43) 1,1'-Biphenyl             | 13.369 | 154  | 128070   | 4.759  | ng/ul# | 93       |
| 44) 2-Chloronaphthalene       | 13.410 | 162  | 98060    | 4.718  | ng/ul  | 95       |
| 45) 2-Nitroaniline            | 13.622 | 65   | 27651    | 4.042  | ng/ul# | 68       |
| 47) Dimethylphthalate         | 13.993 | 163  | 127104   | 4.744  | ng/ul# | 92       |
| 48) 2,6-Dinitrotoluene        | 14.110 | 165  | 22645    | 4.146  | ng/ul  | 94       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP051322\  
 Data File : BP010346.D  
 Acq On : 13 May 2022 11:01  
 Operator : CG/JU  
 Sample : SST00538  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SST005638

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 05/16/2022  
 Supervised By :Yogesh Patel 05/17/2022

Patel 05/17/2022

Quant Time: May 13 14:54:41 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP051322.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri May 13 14:50:13 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 50) Acenaphthylene            | 14.257 | 152  | 156262   | 4.636 | ng/ul  | 95       |
| 52) Acenaphthene              | 14.598 | 153  | 105885   | 4.816 | ng/ul  | 96       |
| 56) Dibenzofuran              | 14.934 | 168  | 158386   | 4.915 | ng/ul  | 98       |
| 57) 2,4-Dinitrotoluene        | 14.898 | 165  | 32276    | 4.105 | ng/ul# | 66       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.163 | 232  | 28484    | 4.254 | ng/ul# | 87       |
| 59) Diethylphthalate          | 15.351 | 149  | 128369   | 4.695 | ng/ul# | 90       |
| 61) Fluorene                  | 15.581 | 166  | 126714   | 4.808 | ng/ul  | 94       |
| 62) 4-Chlorophenyl-phenyle... | 15.575 | 204  | 66832    | 4.875 | ng/ul  | 91       |
| 67) N-Nitrosodiphenylamine    | 15.792 | 169  | 107471   | 4.524 | ng/ul  | 94       |
| 68) 4-Bromophenyl-phenylether | 16.475 | 248  | 40086    | 4.684 | ng/ul  | 98       |
| 69) Hexachlorobenzene         | 16.598 | 284  | 46835    | 4.758 | ng/ul# | 88       |
| 72) Phenanthrene              | 17.328 | 178  | 210935   | 4.757 | ng/ul  | 98       |
| 74) Anthracene                | 17.422 | 178  | 209501   | 4.709 | ng/ul  | 97       |
| 75) 1,2,3,4-Tetrachloroben... | 13.340 | 216  | 65854    | 5.215 | ng/uL  | 90       |
| 76) Pentachlorobenzene        | 14.857 | 250  | 54021    | 4.715 | ng/uL  | 92       |
| 78) Di-n-butylphthalate       | 18.239 | 149  | 207321m  | 4.354 | ng/ul  |          |
| 80) Fluoranthene              | 19.292 | 202  | 248225   | 4.514 | ng/ul  | 96       |
| 82) Pyrene                    | 19.645 | 202  | 265646   | 4.629 | ng/ul# | 93       |
| 83) Butylbenzylphthalate      | 20.516 | 149  | 93114    | 4.058 | ng/ul# | 79       |
| 85) Benzo(a)anthracene        | 21.351 | 228  | 258233   | 4.634 | ng/ul  | 95       |
| 86) Bis(2-ethylhexyl)phtha... | 21.274 | 149  | 135735   | 4.031 | ng/ul# | 83       |
| 87) Chrysene                  | 21.404 | 228  | 253357   | 4.623 | ng/ul  | 98       |
| 90) Benzo(b)fluoranthene      | 23.051 | 252  | 235314   | 4.340 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 23.104 | 252  | 227270   | 4.410 | ng/ul# | 97       |
| 93) Benzo(a)pyrene            | 23.686 | 252  | 226064   | 4.487 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.321 | 276  | 209741   | 4.425 | ng/ul# | 92       |
| 95) Dibenzo(a,h)anthracene    | 26.339 | 278  | 180487m  | 4.415 | ng/ul  |          |
| 96) Benzo(g,h,i)perylene      | 27.098 | 276  | 181410m  | 4.581 | ng/ul  |          |

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

