

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080516\  
 Data File : BG023493.D  
 Acq On : 5 Aug 2016 18:28  
 Operator : UM/SJ  
 Sample : H4209-11  
 Misc :  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BDJM4

## Integration Parameters: LSCINT.P

Integrator: RTE  
 Smoothing : OFF  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 0.1 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080416.M  
 Title : SVOA CALIBRATION

Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 2.994       | 23            | 26          | 37           | rVB      | 166806         | 247088        | 5.45%           | 0.537%        |
| 2         | 3.493       | 108           | 111         | 114          | rVB4     | 17546          | 18267         | 0.40%           | 0.040%        |
| 3         | 4.392       | 262           | 264         | 266          | rVB2     | 6425           | 5687          | 0.13%           | 0.012%        |
| 4         | 5.666       | 474           | 481         | 485          | rBV7     | 14466          | 26063         | 0.58%           | 0.057%        |
| 5         | 5.978       | 531           | 534         | 536          | rBV3     | 6452           | 7836          | 0.17%           | 0.017%        |
| 6         | 6.166       | 564           | 566         | 571          | rVB4     | 5558           | 6496          | 0.14%           | 0.014%        |
| 7         | 6.994       | 705           | 707         | 709          | rVB3     | 7102           | 6205          | 0.14%           | 0.013%        |
| 8         | 7.018       | 709           | 711         | 712          | rBV2     | 6368           | 5727          | 0.13%           | 0.012%        |
| 9         | 7.270       | 747           | 754         | 766          | rBV      | 588478         | 1045548       | 23.07%          | 2.271%        |
| 10        | 7.435       | 775           | 782         | 792          | rVB      | 476283         | 771890        | 17.03%          | 1.677%        |
| 11        | 7.646       | 809           | 818         | 831          | rBV      | 572698         | 991348        | 21.87%          | 2.153%        |
| 12        | 8.116       | 889           | 898         | 908          | rBV      | 437267         | 759225        | 16.75%          | 1.649%        |
| 13        | 8.304       | 929           | 930         | 933          | rVB3     | 6067           | 5736          | 0.13%           | 0.012%        |
| 14        | 8.339       | 933           | 936         | 938          | rBV3     | 6825           | 7455          | 0.16%           | 0.016%        |
| 15        | 8.445       | 949           | 954         | 960          | rVB7     | 12252          | 20053         | 0.44%           | 0.044%        |
| 16        | 8.827       | 1011          | 1019        | 1032         | rBV      | 701942         | 1263593       | 27.88%          | 2.745%        |
| 17        | 9.144       | 1070          | 1073        | 1078         | rVB4     | 6743           | 9977          | 0.22%           | 0.022%        |
| 18        | 9.291       | 1091          | 1098        | 1114         | rBV      | 561261         | 1051395       | 23.20%          | 2.284%        |
| 19        | 9.450       | 1122          | 1125        | 1126         | rBV3     | 6321           | 6271          | 0.14%           | 0.014%        |
| 20        | 9.626       | 1153          | 1155        | 1158         | rBV3     | 4961           | 5820          | 0.13%           | 0.013%        |
| 21        | 9.679       | 1160          | 1164        | 1167         | rVB5     | 10734          | 15528         | 0.34%           | 0.034%        |
| 22        | 10.019      | 1214          | 1222        | 1231         | rBV      | 488448         | 901389        | 19.89%          | 1.958%        |
| 23        | 10.225      | 1255          | 1257        | 1261         | rBV5     | 6664           | 7246          | 0.16%           | 0.016%        |
| 24        | 10.572      | 1307          | 1316        | 1326         | rBV      | 675661         | 1317538       | 29.07%          | 2.862%        |
| 25        | 10.748      | 1344          | 1346        | 1349         | rVB4     | 5488           | 5782          | 0.13%           | 0.013%        |
| 26        | 10.947      | 1373          | 1380        | 1395         | rVB      | 653287         | 1237768       | 27.31%          | 2.689%        |
| 27        | 11.083      | 1395          | 1403        | 1414         | rBV      | 652704         | 1290813       | 28.48%          | 2.804%        |
| 28        | 12.340      | 1615          | 1617        | 1620         | rVB3     | 7792           | 8144          | 0.18%           | 0.018%        |
| 29        | 12.428      | 1626          | 1632        | 1634         | rBV7     | 10603          | 16772         | 0.37%           | 0.036%        |
| 30        | 12.463      | 1636          | 1638        | 1643         | rVV6     | 14374          | 20289         | 0.45%           | 0.044%        |
| 31        | 12.534      | 1645          | 1650        | 1657         | rVB5     | 17173          | 32176         | 0.71%           | 0.070%        |
| 32        | 13.285      | 1775          | 1778        | 1782         | rVB5     | 4630           | 6745          | 0.15%           | 0.015%        |
| 33        | 13.368      | 1786          | 1792        | 1793         | rBV5     | 9307           | 10267         | 0.23%           | 0.022%        |
| 34        | 13.656      | 1836          | 1841        | 1845         | rBV8     | 15838          | 25107         | 0.55%           | 0.055%        |

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080516\  
 Data File : BG023493.D  
 Acq On : 5 Aug 2016 18:28  
 Operator : UM/SJ  
 Sample : H4209-11  
 Misc :  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BDJM4

## Integration Parameters: LSCINT.P

Integrator: RTE  
 Smoothing : OFF  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 0.1 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080416.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 14.178 | 1923 | 1930 | 1934 | rBV  | 1513255 | 2274953 | 50.19% | 4.942% |
| 36 | 14.225 | 1934 | 1938 | 1944 | rVB  | 812512  | 1198295 | 26.44% | 2.603% |
| 37 | 14.478 | 1973 | 1981 | 1990 | rBV  | 1529514 | 2550492 | 56.27% | 5.540% |
| 38 | 14.648 | 2006 | 2010 | 2016 | rBV6 | 16701   | 27892   | 0.62%  | 0.061% |
| 39 | 14.783 | 2025 | 2033 | 2043 | rBV2 | 1172615 | 1937091 | 42.74% | 4.208% |
| 40 | 14.995 | 2061 | 2069 | 2087 | rBV  | 440488  | 1075509 | 23.73% | 2.336% |
| 41 | 15.183 | 2098 | 2101 | 2107 | rVB8 | 12441   | 20690   | 0.46%  | 0.045% |
| 42 | 15.565 | 2161 | 2166 | 2168 | rBV6 | 12120   | 20003   | 0.44%  | 0.043% |
| 43 | 15.606 | 2169 | 2173 | 2176 | rVB  | 45665   | 53575   | 1.18%  | 0.116% |
| 44 | 15.694 | 2187 | 2188 | 2191 | rBV2 | 6677    | 5847    | 0.13%  | 0.013% |
| 45 | 15.776 | 2195 | 2202 | 2209 | rVV  | 2210446 | 3394309 | 74.89% | 7.373% |
| 46 | 15.894 | 2216 | 2222 | 2235 | rBV  | 756649  | 1139857 | 25.15% | 2.476% |
| 47 | 16.017 | 2235 | 2243 | 2249 | rVB4 | 46895   | 80055   | 1.77%  | 0.174% |
| 48 | 16.258 | 2282 | 2284 | 2287 | rBV4 | 6019    | 8203    | 0.18%  | 0.018% |
| 49 | 16.469 | 2317 | 2320 | 2327 | rBV2 | 47027   | 87660   | 1.93%  | 0.190% |
| 50 | 16.663 | 2347 | 2353 | 2358 | rBV9 | 16924   | 39850   | 0.88%  | 0.087% |
| 51 | 16.722 | 2361 | 2363 | 2364 | rBV2 | 8877    | 8514    | 0.19%  | 0.018% |
| 52 | 16.869 | 2387 | 2388 | 2394 | rVB6 | 10503   | 9252    | 0.20%  | 0.020% |
| 53 | 16.928 | 2394 | 2398 | 2402 | rVB7 | 13778   | 24018   | 0.53%  | 0.052% |
| 54 | 16.986 | 2404 | 2408 | 2410 | rBV5 | 7874    | 10591   | 0.23%  | 0.023% |
| 55 | 17.033 | 2414 | 2416 | 2418 | rBV3 | 5969    | 6272    | 0.14%  | 0.014% |
| 56 | 17.057 | 2418 | 2420 | 2421 | rBV2 | 8686    | 5768    | 0.13%  | 0.013% |
| 57 | 17.268 | 2452 | 2456 | 2459 | rBV2 | 44248   | 53997   | 1.19%  | 0.117% |
| 58 | 17.321 | 2462 | 2465 | 2468 | rVB5 | 21710   | 25962   | 0.57%  | 0.056% |
| 59 | 17.403 | 2477 | 2479 | 2482 | rBV4 | 7345    | 10841   | 0.24%  | 0.024% |
| 60 | 17.544 | 2496 | 2503 | 2508 | rBV2 | 1629050 | 2590347 | 57.15% | 5.627% |
| 61 | 17.644 | 2513 | 2520 | 2529 | rVB  | 2400163 | 3718912 | 82.05% | 8.078% |
| 62 | 17.803 | 2545 | 2547 | 2548 | rBV2 | 11915   | 5659    | 0.12%  | 0.012% |
| 63 | 17.932 | 2564 | 2569 | 2571 | rBV6 | 13115   | 19037   | 0.42%  | 0.041% |
| 64 | 18.009 | 2580 | 2582 | 2588 | rVB7 | 23526   | 26965   | 0.59%  | 0.059% |
| 65 | 18.273 | 2625 | 2627 | 2628 | rBV2 | 8610    | 5763    | 0.13%  | 0.013% |
| 66 | 18.414 | 2646 | 2651 | 2657 | rBV3 | 218465  | 345358  | 7.62%  | 0.750% |
| 67 | 18.702 | 2698 | 2700 | 2702 | rBV3 | 8883    | 8373    | 0.18%  | 0.018% |
| 68 | 18.919 | 2735 | 2737 | 2739 | rBV3 | 13214   | 12418   | 0.27%  | 0.027% |
| 69 | 18.954 | 2741 | 2743 | 2744 | rBV2 | 11107   | 10534   | 0.23%  | 0.023% |
| 70 | 19.536 | 2840 | 2842 | 2844 | rBV3 | 15881   | 17868   | 0.39%  | 0.039% |
| 71 | 19.571 | 2844 | 2848 | 2849 | rVV2 | 44300   | 61349   | 1.35%  | 0.133% |

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080516\  
Data File : BG023493.D  
Acq On : 5 Aug 2016 18:28  
Operator : UM/SJ  
Sample : H4209-11  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BDJM4

## Integration Parameters: LSCINT.P

Integrator: RTE  
Smoothing : OFF  
Sampling : 1  
Start Thrs: 0.2  
Stop Thrs : 0

Filtering: 5  
Min Area: 0.1 % of largest Peak  
Max Peaks: 100  
Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
Peak separation: 5

Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080416.M  
Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 72 | 19.600 | 2849 | 2853 | 2858 | rVB  | 96287   | 138078  | 3.05%   | 0.300% |
| 73 | 19.683 | 2863 | 2867 | 2874 | rBV2 | 173590  | 249030  | 5.49%   | 0.541% |
| 74 | 19.935 | 2903 | 2910 | 2924 | rVB  | 2920696 | 4532500 | 100.00% | 9.845% |
| 75 | 20.417 | 2990 | 2992 | 2993 | rBV2 | 18954   | 11442   | 0.25%   | 0.025% |
| 76 | 21.856 | 3230 | 3237 | 3244 | rBV2 | 1625962 | 2833404 | 62.51%  | 6.155% |
| 77 | 25.005 | 3763 | 3773 | 3785 | rVB3 | 1291637 | 3596602 | 79.35%  | 7.812% |
| 78 | 25.234 | 3803 | 3812 | 3823 | rVB  | 877580  | 2626508 | 57.95%  | 5.705% |

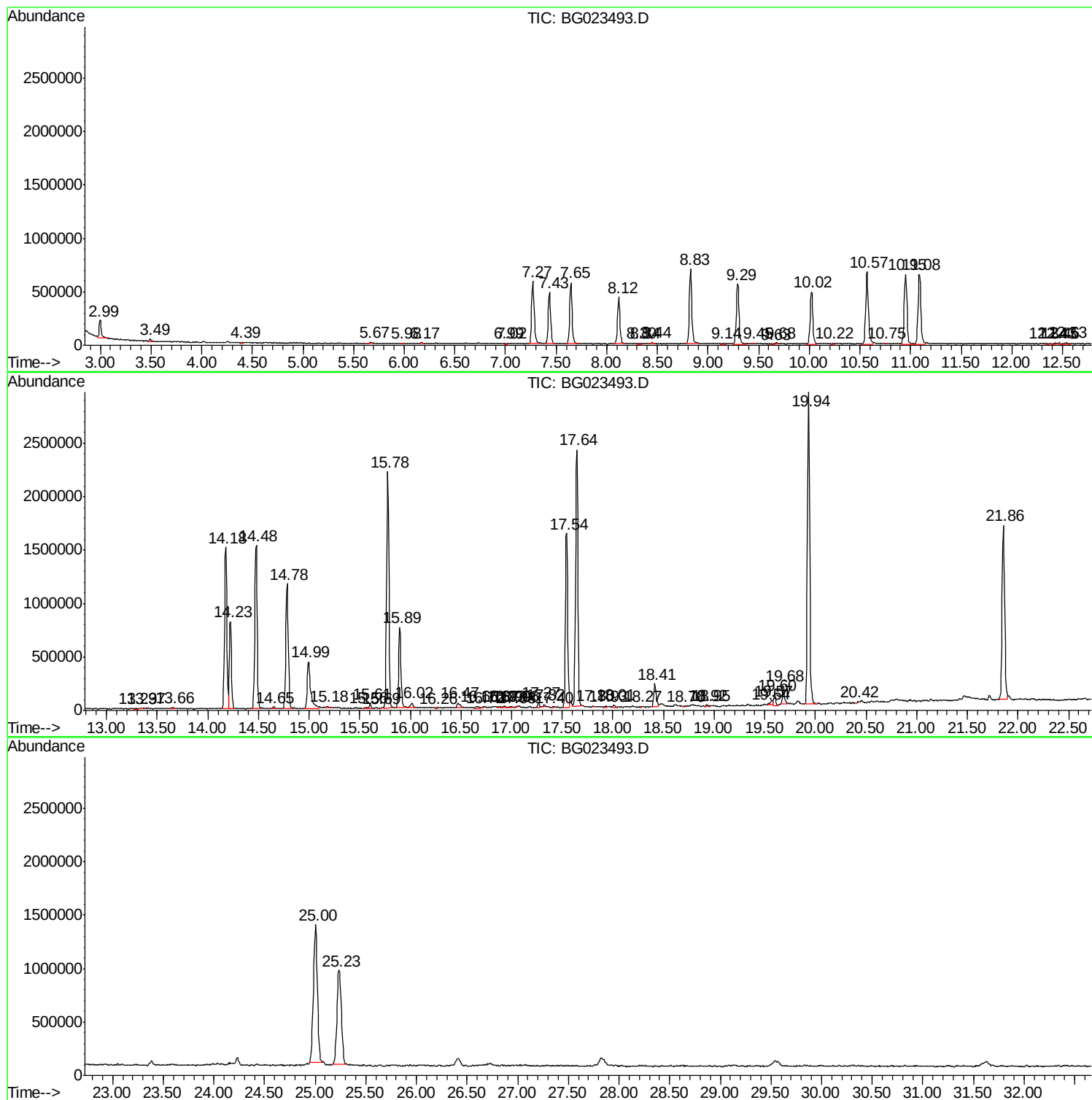
Sum of corrected areas: 46036887

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080516\  
Data File : BG023493.D  
Acq On : 5 Aug 2016 18:28  
Operator : UM/SJ  
Sample : H4209-11  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BDJM4

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080416.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080516\  
Data File : BG023493.D  
Acq On : 5 Aug 2016 18:28  
Operator : UM/SJ  
Sample : H4209-11  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BDJM4

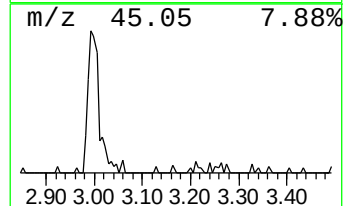
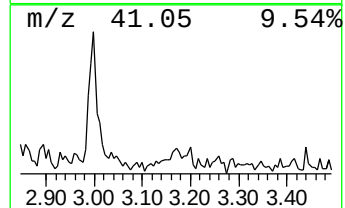
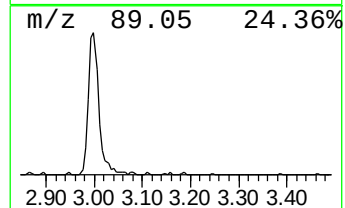
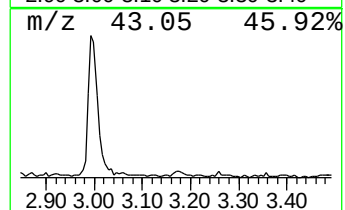
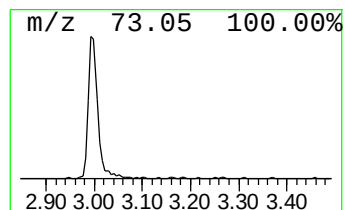
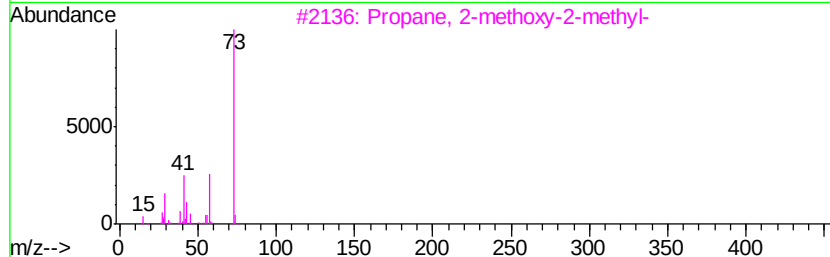
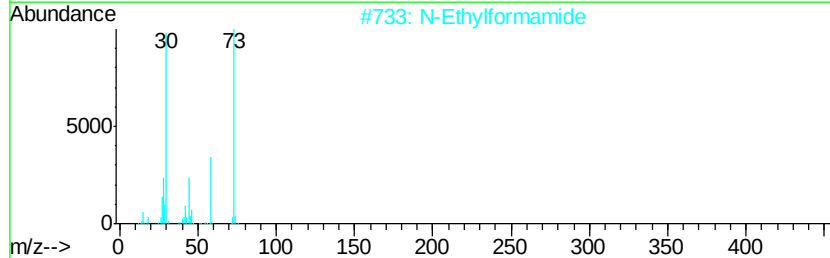
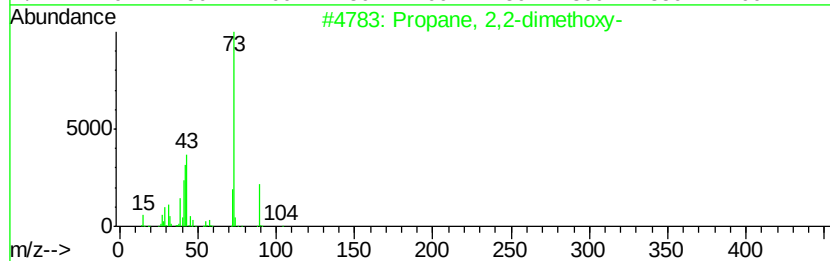
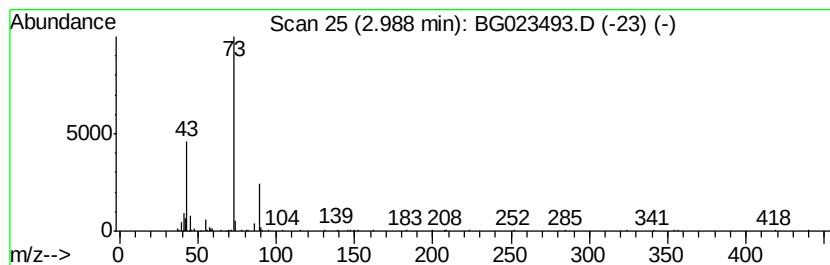
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080416.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 unknown-01 Concentration Rank 1

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T. |
|------|------------|--------|------------------------|------|
| 2.99 | 6.51 ng/ul | 247088 | 1,4-Dichlorobenzene-d4 | 8.12 |

| Hit# | of | 5 | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------|-----|---------|-------------|------|
| 1    |    |   | Propane, 2,2-dimethoxy-      | 104 | C5H12O2 | 000077-76-9 | 36   |
| 2    |    |   | N-Ethylformamide             | 73  | C3H7NO  | 000627-45-2 | 9    |
| 3    |    |   | Propane, 2-methoxy-2-methyl- | 88  | C5H12O  | 001634-04-4 | 9    |
| 4    |    |   | Pentane, 3-methoxy-          | 102 | C6H14O  | 036839-67-5 | 9    |
| 5    |    |   | Propane, 2-methoxy-2-methyl- | 88  | C5H12O  | 001634-04-4 | 9    |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080516\  
Data File : BG023493.D  
Acq On : 5 Aug 2016 18:28  
Operator : UM/SJ  
Sample : H4209-11  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BDJM4

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080416.M  
Quant Title : SVOA CALIBRATION

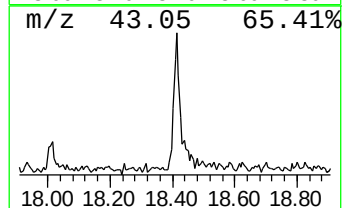
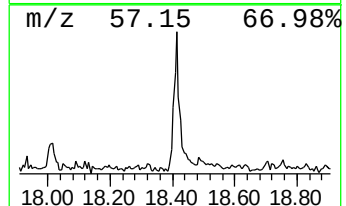
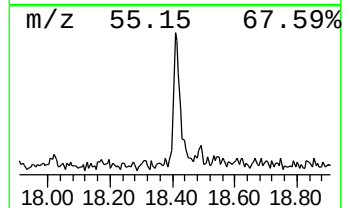
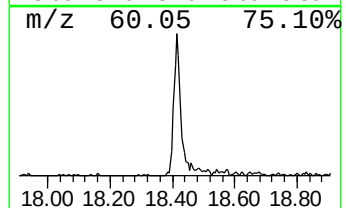
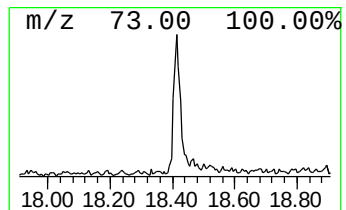
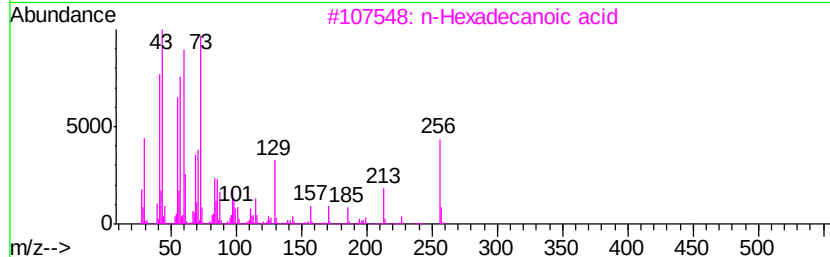
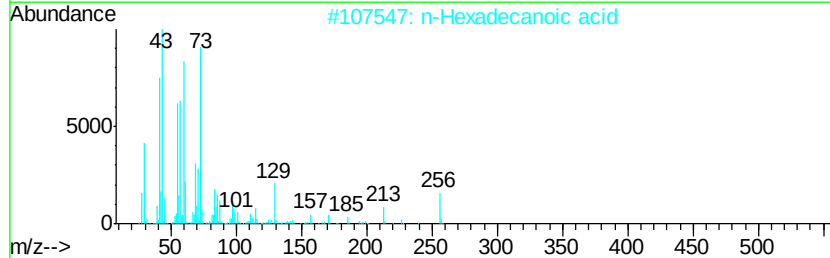
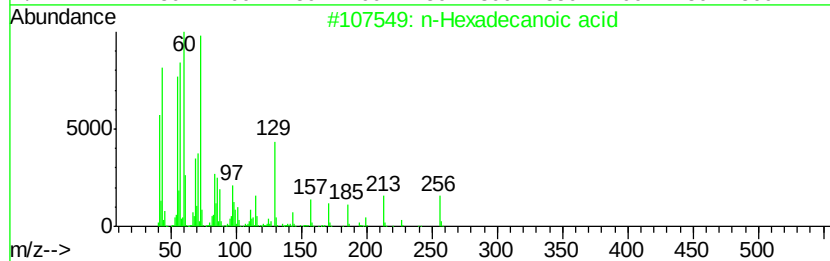
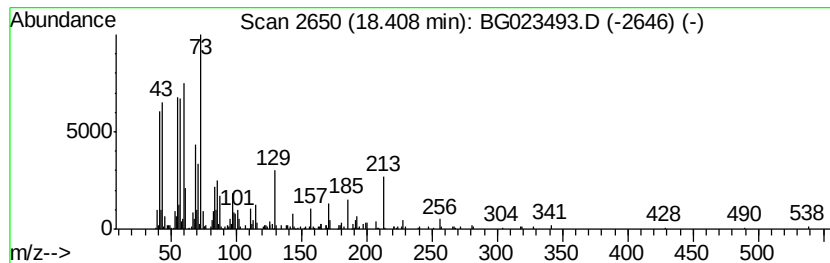
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 n-Hexadecanoic acid Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 18.41 | 2.67 ng/ul | 345358 | Phenanthrene-d10 | 17.54 |

| Hit# | of | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---------------------|-----|----------|-------------|------|
| 1    | 5  | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 96   |
| 2    |    | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 95   |
| 3    |    | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 94   |
| 4    |    | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 74   |
| 5    |    | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 74   |



Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG080516\  
Data File : BG023493.D  
Acq On : 5 Aug 2016 18:28  
Operator : UM/SJ  
Sample : H4209-11  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BDJM4

Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG080416.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name    | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|---------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                     |       |         |       |          | #                     | RT    | Resp    | Conc |
| unknown-01          | 2.99  | 6.5     | ng/ul | 247088   | 1                     | 8.12  | 759225  | 20.0 |
| n-Hexadecanoic acid | 18.41 | 2.7     | ng/ul | 345358   | 4                     | 17.54 | 2590350 | 20.0 |