

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031220\  
 Data File : BG044734.D  
 Acq On : 12 Mar 2020 14:12  
 Operator : CG/JU  
 Sample : L1873-03  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-2

Integration Parameters: rteint.p  
 Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0  
 Filtering: 5  
 Min Area: 3 % 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:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG031020.M  
 Title : ASP BNA STANDARDS FOR 5 POINT 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         | 3.159       | 6             | 12          | 21           | rVV4     | 87052          | 210994        | 4.97%           | 0.748%        |
| 2         | 3.235       | 21            | 25          | 34           | rVB      | 55207          | 103202        | 2.43%           | 0.366%        |
| 3         | 5.621       | 424           | 431         | 444          | rBV      | 1143970        | 1948172       | 45.86%          | 6.906%        |
| 4         | 7.207       | 693           | 701         | 712          | rBV      | 1221811        | 2172697       | 51.15%          | 7.702%        |
| 5         | 8.053       | 836           | 845         | 853          | rBV      | 399648         | 702767        | 16.54%          | 2.491%        |
| 6         | 8.382       | 892           | 901         | 910          | rBV      | 869483         | 1602189       | 37.72%          | 5.680%        |
| 7         | 9.211       | 1032          | 1042        | 1051         | rBV      | 751651         | 1391136       | 32.75%          | 4.931%        |
| 8         | 10.862      | 1313          | 1323        | 1332         | rBV      | 537673         | 985514        | 23.20%          | 3.494%        |
| 9         | 13.312      | 1732          | 1740        | 1750         | rVB      | 1944444        | 3051331       | 71.84%          | 10.817%       |
| 10        | 14.134      | 1875          | 1880        | 1886         | rBV      | 139809         | 212149        | 4.99%           | 0.752%        |
| 11        | 14.687      | 1966          | 1974        | 1981         | rBV      | 892275         | 1399397       | 32.95%          | 4.961%        |
| 12        | 16.167      | 2219          | 2226        | 2236         | rBV      | 1478199        | 2317147       | 54.55%          | 8.214%        |
| 13        | 17.431      | 2434          | 2441        | 2446         | rBV      | 1133285        | 1729326       | 40.71%          | 6.130%        |
| 14        | 17.472      | 2446          | 2448        | 2454         | rVB      | 77626          | 98567         | 2.32%           | 0.349%        |
| 15        | 18.329      | 2588          | 2594        | 2605         | rBV8     | 62721          | 123283        | 2.90%           | 0.437%        |
| 16        | 19.481      | 2782          | 2790        | 2797         | rBV      | 200458         | 315596        | 7.43%           | 1.119%        |
| 17        | 19.839      | 2841          | 2851        | 2855         | rBV      | 196066         | 335359        | 7.90%           | 1.189%        |
| 18        | 20.045      | 2874          | 2886        | 2898         | rBV      | 3026869        | 4247672       | 100.00%         | 15.058%       |
| 19        | 20.368      | 2938          | 2941        | 2947         | rBV2     | 47837          | 56972         | 1.34%           | 0.202%        |
| 20        | 20.868      | 3023          | 3026        | 3030         | rVB      | 69811          | 71049         | 1.67%           | 0.252%        |
| 21        | 21.373      | 3106          | 3112        | 3118         | rBV4     | 155130         | 324785        | 7.65%           | 1.151%        |
| 22        | 21.702      | 3160          | 3168        | 3174         | rBV      | 1039272        | 1953751       | 46.00%          | 6.926%        |
| 23        | 21.937      | 3204          | 3208        | 3216         | rVB3     | 98309          | 156842        | 3.69%           | 0.556%        |
| 24        | 22.560      | 3309          | 3314        | 3322         | rBV      | 95770          | 163147        | 3.84%           | 0.578%        |
| 25        | 23.265      | 3429          | 3434        | 3441         | rBV2     | 84688          | 157105        | 3.70%           | 0.557%        |
| 26        | 23.894      | 3537          | 3541        | 3543         | rBV2     | 43453          | 60027         | 1.41%           | 0.213%        |
| 27        | 24.082      | 3568          | 3573        | 3579         | rBV3     | 62916          | 126421        | 2.98%           | 0.448%        |
| 28        | 24.616      | 3658          | 3664        | 3670         | rBV2     | 43379          | 94700         | 2.23%           | 0.336%        |
| 29        | 24.763      | 3683          | 3689        | 3696         | rVB2     | 55016          | 145837        | 3.43%           | 0.517%        |
| 30        | 24.916      | 3704          | 3715        | 3728         | rBV2     | 613564         | 1814561       | 42.72%          | 6.432%        |
| 31        | 25.051      | 3733          | 3738        | 3746         | rVB4     | 60136          | 137932        | 3.25%           | 0.489%        |

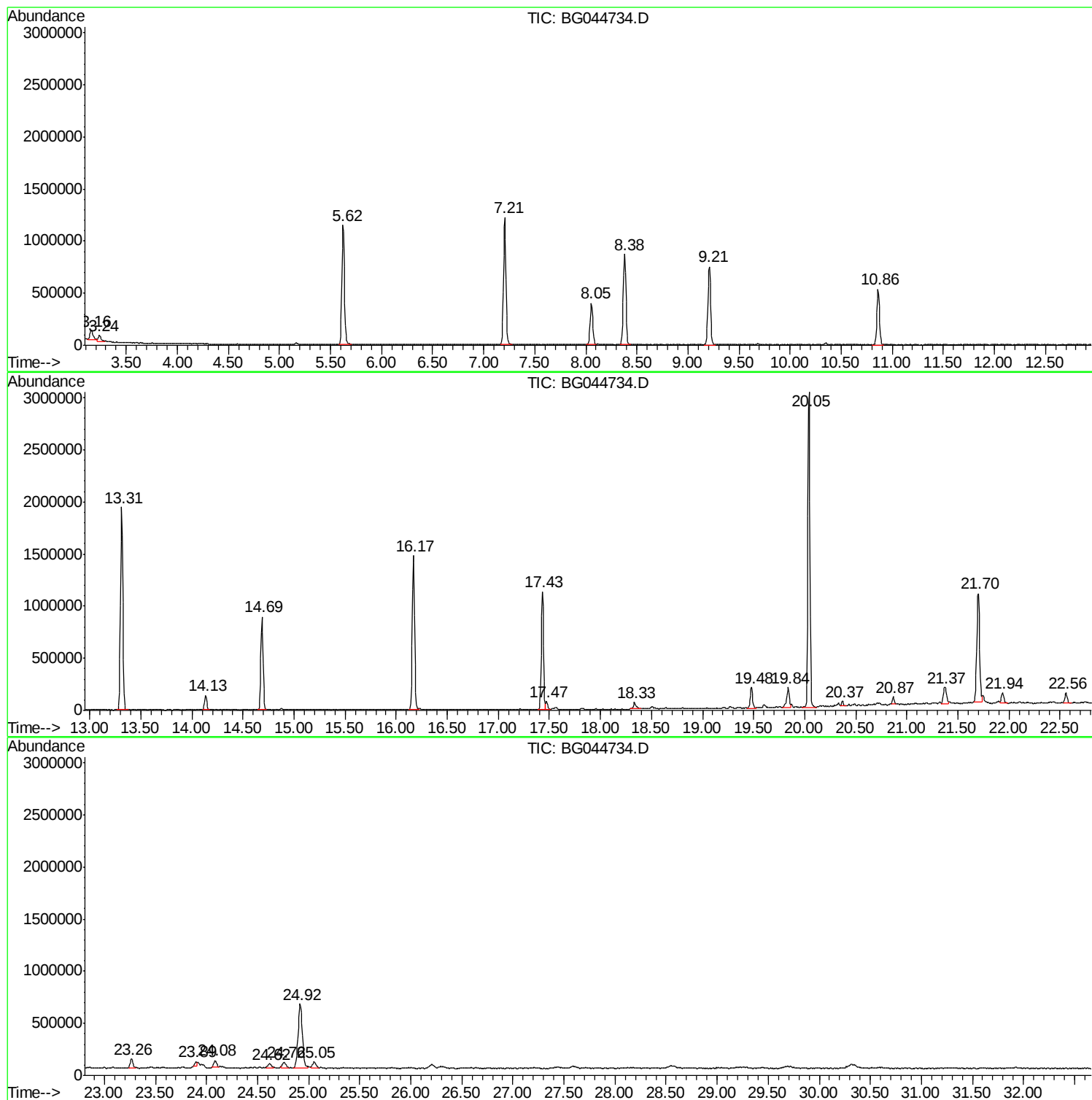
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ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
TP-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG031020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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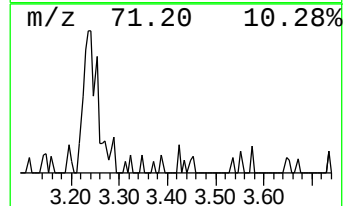
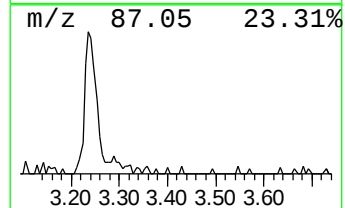
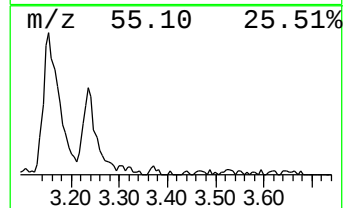
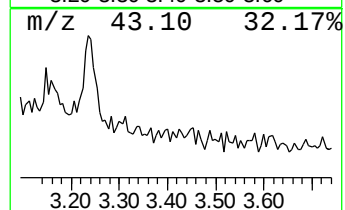
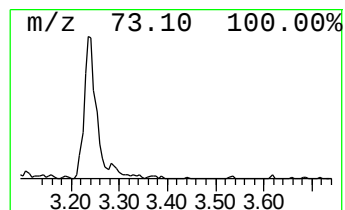
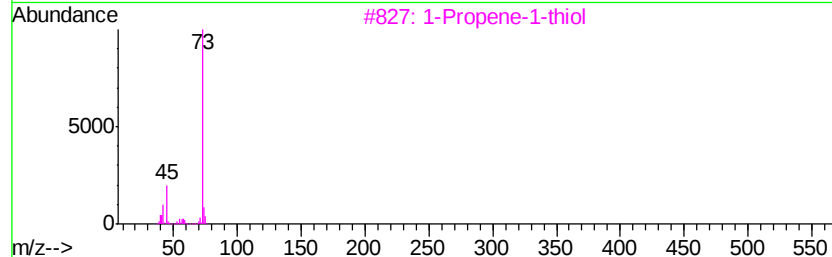
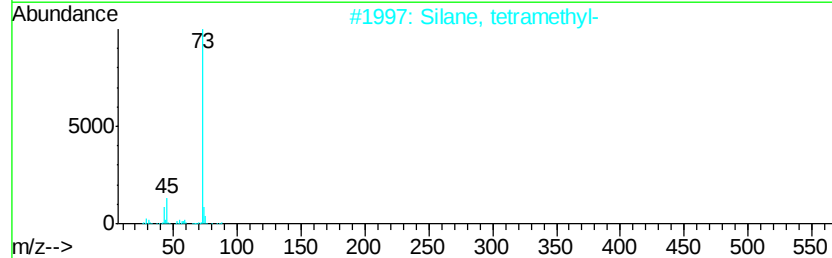
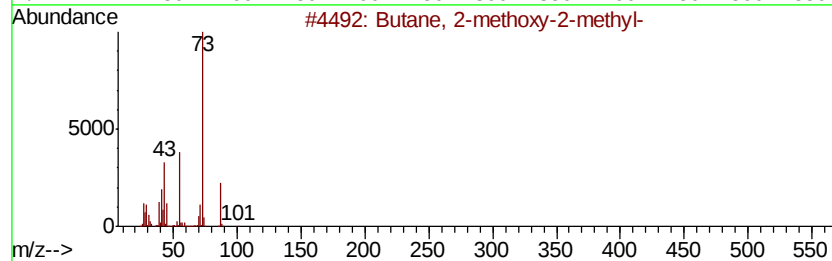
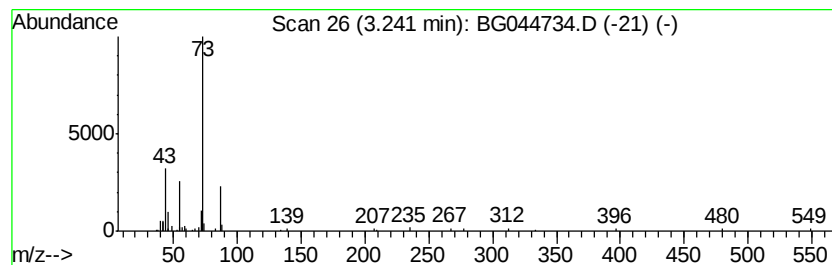
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Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 4

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 3.24 | 2.94 ng | 103202 | 1,4-Dichlorobenzene-d4 | 8.05 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 64   |
| 2    |    | Silane, tetramethyl-        | 88  | C4H12Si | 000075-76-3 | 27   |
| 3    |    | 1-Propene-1-thiol           | 74  | C3H6S   | 000925-89-3 | 9    |
| 4    |    | 2,2,4-Trimethyl-3-pentanol  | 130 | C8H18O  | 005162-48-1 | 9    |
| 5    |    | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 9    |



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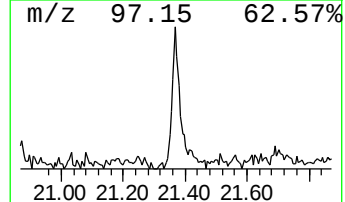
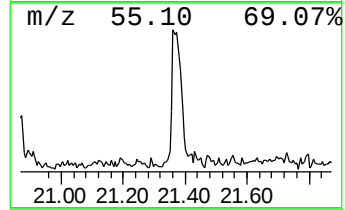
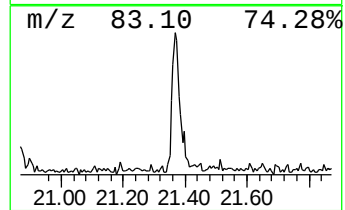
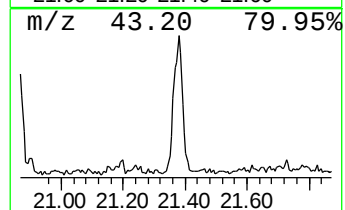
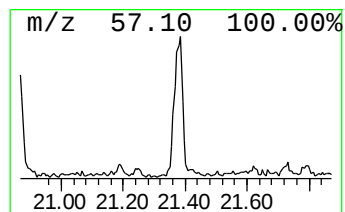
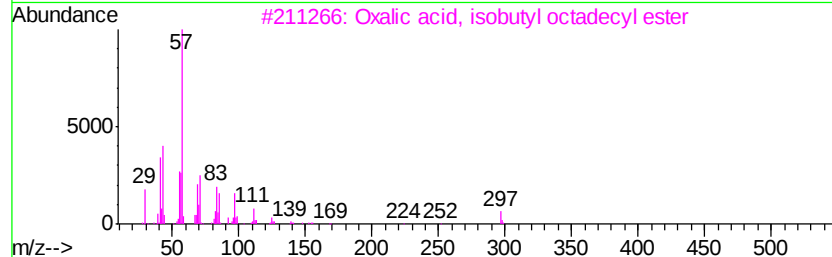
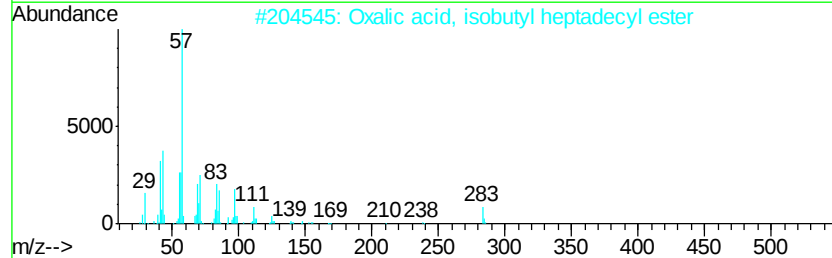
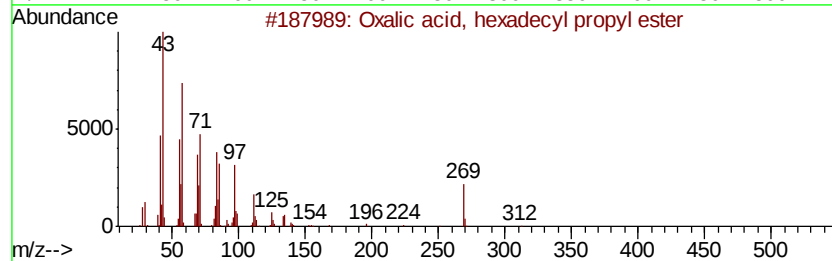
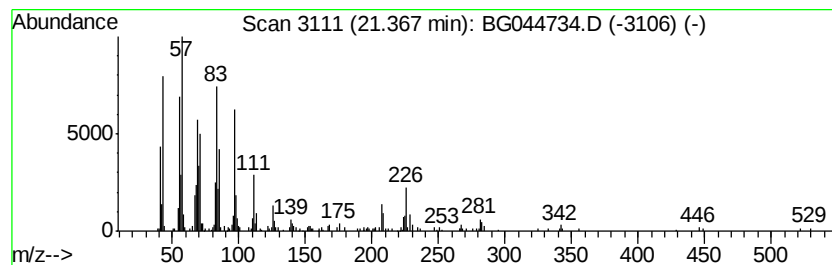
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Peak Number 4 Oxalic acid, hexadecyl prop... Concentration Rank 3

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 21.37 | 3.32 ng | 324785 | Chrysene-d12     | 21.70 |

| Hit# | of | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|-------------------------------------|-----|-------------|--------------|------|
| 1    | 5  | Oxalic acid, hexadecyl propyl ester | 356 | C21H40O4    | 1000309-26-9 | 81   |
| 2    |    | Oxalic acid, isobutyl heptadecyl... | 384 | C23H44O4    | 1000309-38-2 | 74   |
| 3    |    | Oxalic acid, isobutyl octadecyl ... | 398 | C24H46O4    | 1000309-38-3 | 72   |
| 4    |    | 17-Pentatriacontene                 | 491 | C35H70      | 006971-40-0  | 72   |
| 5    |    | 1-Hexadecanesulfonyl chloride       | 324 | C16H33ClO2S | 038775-38-1  | 64   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| Butane, 2-methoxy... | 3.24  | 2.9     | ng    | 103202   | 1                     | 8.05  | 702767  | 20.0 |
| Oxalic acid, hexa... | 21.37 | 3.3     | ng    | 324785   | 5                     | 21.70 | 1953750 | 20.0 |