

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM072616\  
 Data File : BM006659.D  
 Acq On : 26 Jul 2016 20:58  
 Operator : UM/SJ  
 Sample : H4062-04  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BDJC3

## Integration Parameters: LSCINT.P

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

Filtering: 5  
 Min Area: 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\_M\METHODS\SOM02.2-EPA-BM072616.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         | 4.751       | 363           | 368         | 380          | rBV      | 360249         | 500310        | 15.04%          | 1.342%        |
| 2         | 6.792       | 705           | 715         | 732          | rBV      | 459326         | 795296        | 23.91%          | 2.133%        |
| 3         | 6.951       | 732           | 742         | 752          | rBV      | 363852         | 588317        | 17.69%          | 1.578%        |
| 4         | 7.145       | 766           | 775         | 786          | rBV      | 484528         | 795092        | 23.91%          | 2.133%        |
| 5         | 7.610       | 844           | 854         | 864          | rBV      | 610171         | 1009520       | 30.35%          | 2.708%        |
| 6         | 7.828       | 883           | 891         | 897          | rBV3     | 20528          | 35968         | 1.08%           | 0.096%        |
| 7         | 8.322       | 969           | 975         | 990          | rVB      | 552749         | 948520        | 28.52%          | 2.544%        |
| 8         | 8.763       | 1043          | 1050        | 1069         | rVB      | 432639         | 753686        | 22.66%          | 2.022%        |
| 9         | 9.480       | 1166          | 1172        | 1188         | rBV      | 361915         | 623426        | 18.74%          | 1.672%        |
| 10        | 10.022      | 1258          | 1264        | 1275         | rBV      | 503508         | 908076        | 27.30%          | 2.436%        |
| 11        | 10.386      | 1319          | 1326        | 1342         | rBV      | 841748         | 1501753       | 45.15%          | 4.028%        |
| 12        | 10.533      | 1344          | 1351        | 1367         | rBV      | 479687         | 903795        | 27.17%          | 2.424%        |
| 13        | 13.674      | 1879          | 1885        | 1889         | rBV      | 930106         | 1327297       | 39.91%          | 3.560%        |
| 14        | 13.721      | 1889          | 1893        | 1902         | rVB      | 401429         | 609465        | 18.32%          | 1.635%        |
| 15        | 13.951      | 1922          | 1932        | 1943         | rBV      | 1047147        | 1707762       | 51.35%          | 4.581%        |
| 16        | 14.262      | 1976          | 1985        | 1993         | rBV2     | 1199021        | 1958672       | 58.89%          | 5.254%        |
| 17        | 14.327      | 1993          | 1996        | 2006         | rVB4     | 17085          | 33868         | 1.02%           | 0.091%        |
| 18        | 14.498      | 2018          | 2025        | 2035         | rBV      | 245046         | 485173        | 14.59%          | 1.301%        |
| 19        | 15.127      | 2128          | 2132        | 2139         | rVB4     | 22080          | 41429         | 1.25%           | 0.111%        |
| 20        | 15.262      | 2145          | 2155        | 2163         | rBV      | 1380284        | 2075073       | 62.39%          | 5.566%        |
| 21        | 15.404      | 2174          | 2179        | 2189         | rBV      | 249841         | 404388        | 12.16%          | 1.085%        |
| 22        | 15.986      | 2274          | 2278        | 2286         | rBV5     | 31767          | 74195         | 2.23%           | 0.199%        |
| 23        | 16.327      | 2329          | 2336        | 2340         | rBV7     | 14320          | 33378         | 1.00%           | 0.090%        |
| 24        | 17.015      | 2447          | 2453        | 2459         | rBV      | 1627192        | 2406511       | 72.35%          | 6.455%        |
| 25        | 17.115      | 2464          | 2470        | 2481         | rVB2     | 1469113        | 2256496       | 67.84%          | 6.053%        |
| 26        | 17.892      | 2598          | 2602        | 2607         | rBV      | 29676          | 43716         | 1.31%           | 0.117%        |
| 27        | 18.086      | 2630          | 2635        | 2640         | rBV3     | 63676          | 125419        | 3.77%           | 0.336%        |
| 28        | 18.209      | 2652          | 2656        | 2661         | rBV8     | 18993          | 35609         | 1.07%           | 0.096%        |
| 29        | 18.362      | 2678          | 2682        | 2686         | rBV4     | 57295          | 87834         | 2.64%           | 0.236%        |
| 30        | 18.639      | 2722          | 2729        | 2735         | rVB3     | 102669         | 169874        | 5.11%           | 0.456%        |
| 31        | 18.821      | 2755          | 2760        | 2764         | rBV3     | 50571          | 89711         | 2.70%           | 0.241%        |
| 32        | 18.974      | 2780          | 2786        | 2791         | rBV7     | 23469          | 64399         | 1.94%           | 0.173%        |
| 33        | 19.080      | 2800          | 2804        | 2809         | rVV      | 199213         | 272047        | 8.18%           | 0.730%        |
| 34        | 19.139      | 2809          | 2814        | 2819         | rVB3     | 113567         | 152298        | 4.58%           | 0.409%        |

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 Max Peaks: 100  
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If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
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|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 35 | 19.233 | 2826 | 2830 | 2835 | rBV  | 44048   | 66984   | 2.01%   | 0.180% |
| 36 | 19.356 | 2848 | 2851 | 2856 | rVB2 | 42549   | 59904   | 1.80%   | 0.161% |
| 37 | 19.421 | 2856 | 2862 | 2876 | rBV2 | 1826869 | 2968931 | 89.26%  | 7.964% |
| 38 | 19.533 | 2876 | 2881 | 2885 | rBV3 | 30068   | 50874   | 1.53%   | 0.136% |
| 39 | 19.615 | 2890 | 2895 | 2904 | rBV8 | 31839   | 87823   | 2.64%   | 0.236% |
| 40 | 19.768 | 2916 | 2921 | 2923 | rBV3 | 50182   | 80443   | 2.42%   | 0.216% |
| 41 | 19.868 | 2933 | 2938 | 2941 | rBV  | 83223   | 112851  | 3.39%   | 0.303% |
| 42 | 19.944 | 2948 | 2951 | 2959 | rVB  | 99029   | 163245  | 4.91%   | 0.438% |
| 43 | 20.015 | 2960 | 2963 | 2965 | rBV3 | 26546   | 34277   | 1.03%   | 0.092% |
| 44 | 20.050 | 2965 | 2969 | 2974 | rVV  | 73530   | 103409  | 3.11%   | 0.277% |
| 45 | 20.103 | 2975 | 2978 | 2982 | rVB2 | 45704   | 67026   | 2.02%   | 0.180% |
| 46 | 20.203 | 2992 | 2995 | 2999 | rBV  | 24841   | 39435   | 1.19%   | 0.106% |
| 47 | 20.250 | 2999 | 3003 | 3005 | rBV  | 41497   | 50640   | 1.52%   | 0.136% |
| 48 | 20.397 | 3026 | 3028 | 3035 | rVB4 | 41152   | 63684   | 1.91%   | 0.171% |
| 49 | 20.944 | 3117 | 3121 | 3126 | rBV2 | 139834  | 240301  | 7.22%   | 0.645% |
| 50 | 20.997 | 3126 | 3130 | 3139 | rVB  | 256017  | 352206  | 10.59%  | 0.945% |
| 51 | 21.215 | 3161 | 3167 | 3172 | rBV  | 2333858 | 3326036 | 100.00% | 8.922% |
| 52 | 21.256 | 3172 | 3174 | 3182 | rVB  | 192107  | 231507  | 6.96%   | 0.621% |
| 53 | 23.233 | 3507 | 3510 | 3512 | rBV  | 70716   | 92052   | 2.77%   | 0.247% |
| 54 | 23.285 | 3512 | 3519 | 3524 | rBV2 | 1304211 | 2410404 | 72.47%  | 6.466% |
| 55 | 23.421 | 3535 | 3542 | 3549 | rBV2 | 1539671 | 2858714 | 85.95%  | 7.668% |

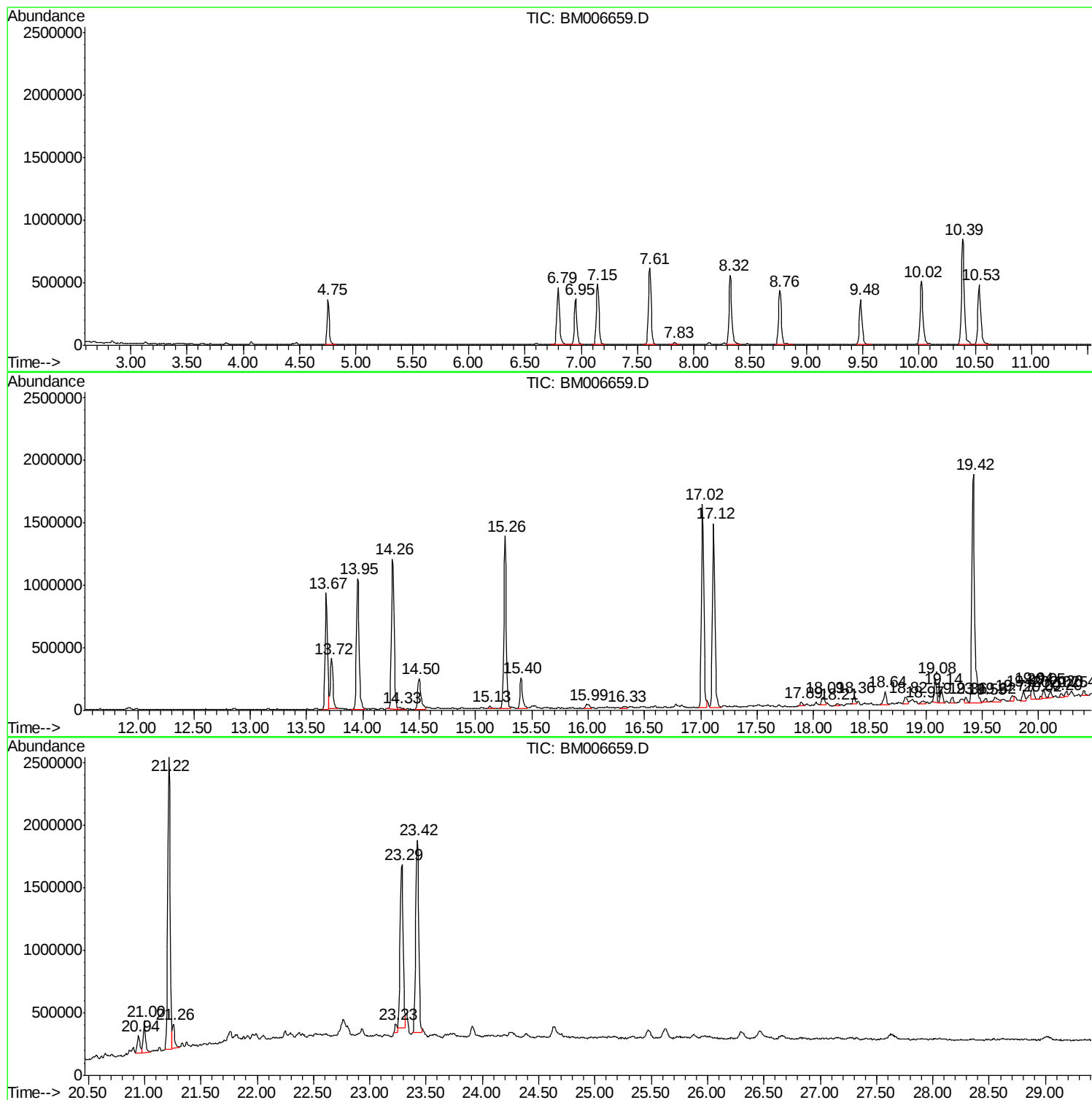
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Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM072616.M  
Quant Title : SVOA CALIBRATION

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



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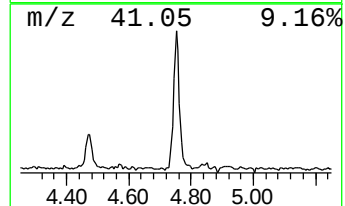
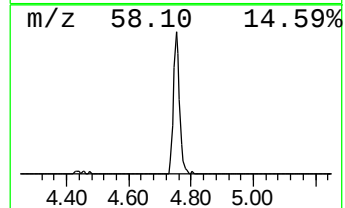
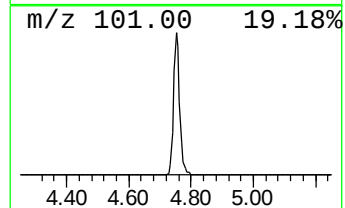
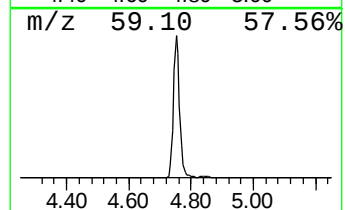
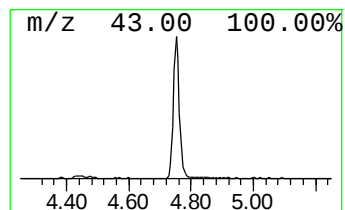
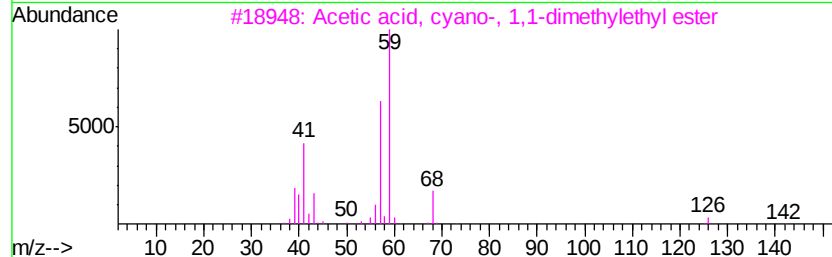
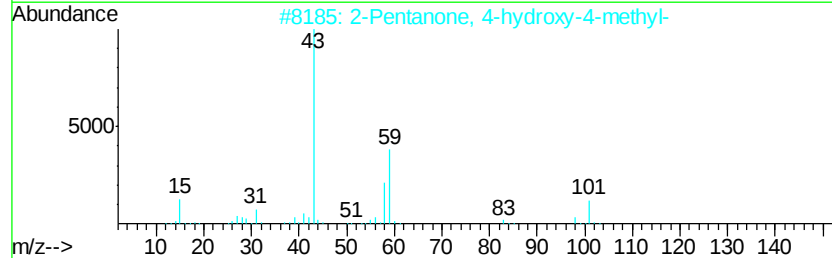
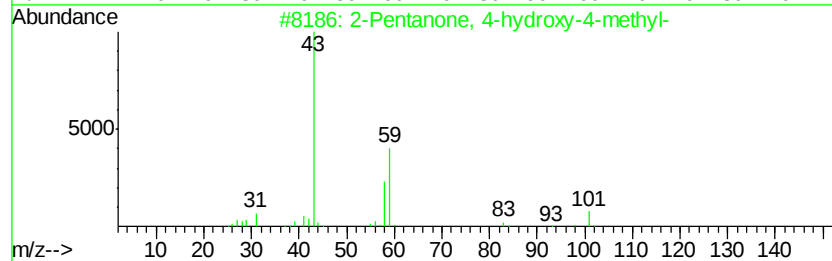
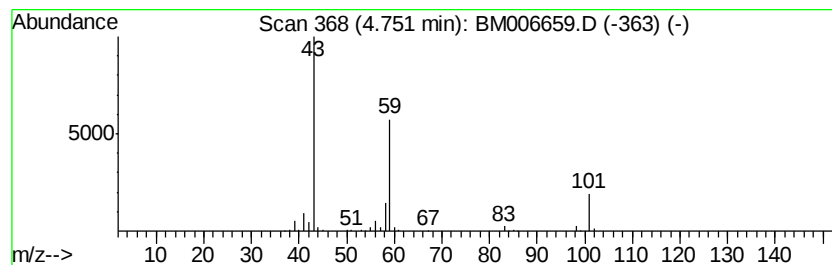
TIC Library : C:\DATABASE\NIST11.L  
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Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T. |
|------|------------|--------|------------------------|------|
| 4.75 | 9.91 ng/ul | 500310 | 1,4-Dichlorobenzene-d4 | 7.61 |

| Hit# | of | Tentative ID                         | MW  | MolForm  | CAS#        | Qual |
|------|----|--------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-     | 116 | C6H12O2  | 000123-42-2 | 40   |
| 2    |    | 2-Pentanone, 4-hydroxy-4-methyl-     | 116 | C6H12O2  | 000123-42-2 | 28   |
| 3    |    | Acetic acid, cyano-, 1,1-dimethyl... | 141 | C7H11NO2 | 001116-98-9 | 25   |
| 4    |    | 2-Pentanone, 4-hydroxy-4-methyl-     | 116 | C6H12O2  | 000123-42-2 | 23   |
| 5    |    | 2,3-Butanedione, monooxime           | 101 | C4H7NO2  | 000057-71-6 | 9    |



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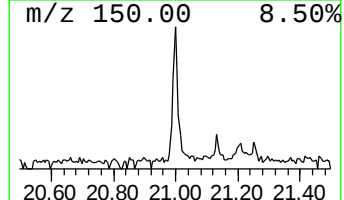
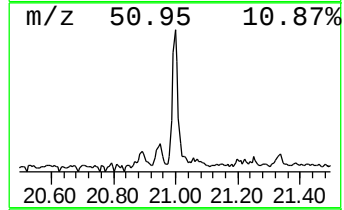
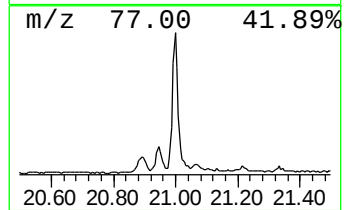
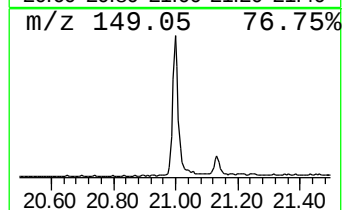
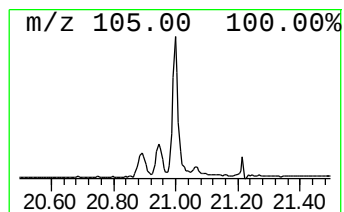
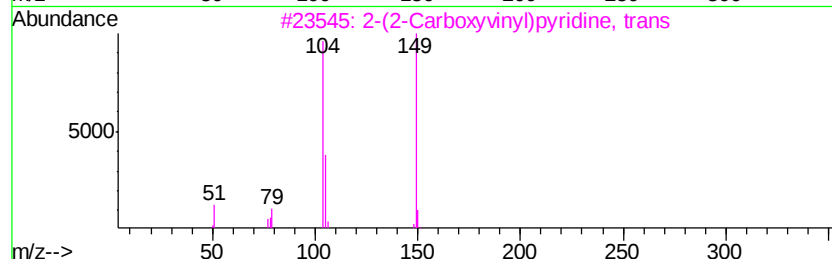
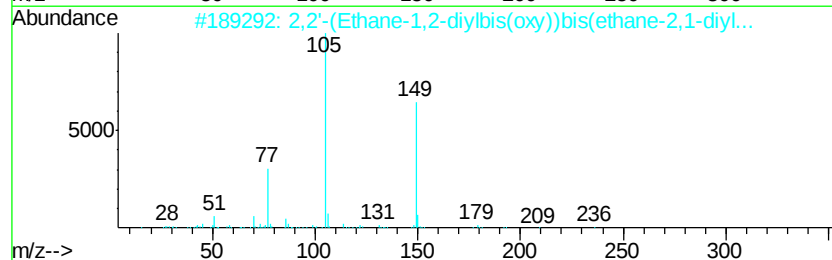
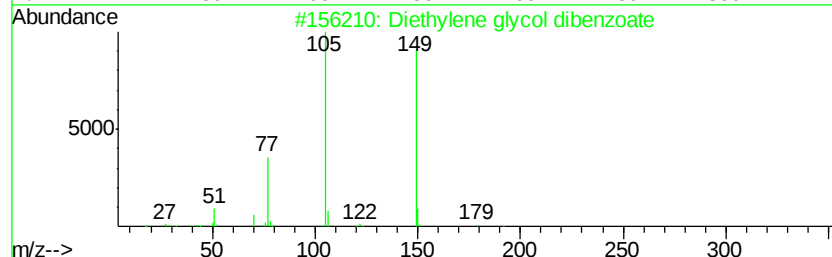
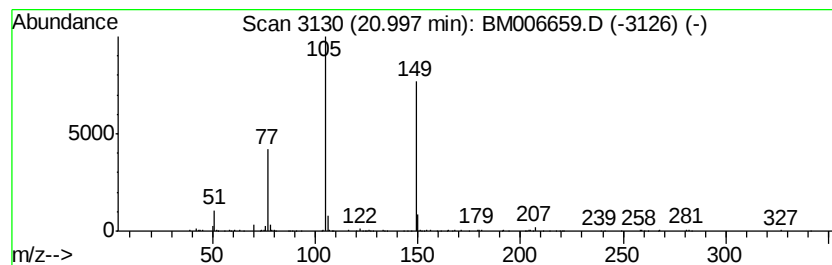
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TIC Integration Parameters: LSCINT.P

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Peak Number 2 Diethylene glycol dibenzoate Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 21.00 | 2.12 ng/ul | 352206 | Chrysene-d12     | 21.22 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|-------------------------------------|-----|----------|--------------|------|
| 1    | 5  | Diethylene glycol dibenzoate        | 314 | C18H18O5 | 000120-55-8  | 83   |
| 2    |    | 2,2'-(Ethane-1,2-diylbis(oxy))bi... | 358 | C20H22O6 | 1000366-99-4 | 83   |
| 3    |    | 2-(2-Carboxyvinyl)pyridine, trans   | 149 | C8H7NO2  | 007340-22-9  | 52   |
| 4    |    | 2-Methyl-4-hydroxybenzoxazole       | 149 | C8H7NO2  | 051110-60-2  | 43   |
| 5    |    | 1-Propanone, 3-hydroxy-1-phenyl-    | 150 | C9H10O2  | 005650-41-9  | 35   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| 2-Pentanone, 4-hy... | 4.75  | 9.9     | ng/ul | 500310   | 1                     | 7.61  | 1009520 | 20.0 |
| Diethylene glycol... | 21.00 | 2.1     | ng/ul | 352206   | 5                     | 21.22 | 3326040 | 20.0 |