

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032320\  
 Data File : BM025730.D  
 Acq On : 24 Mar 2020 15:18  
 Operator : CG/JU  
 Sample : L1940-07  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0D94

## 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:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM031420MA.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         | 3.146       | 41            | 44          | 46           | rBV2     | 11276          | 13371         | 0.26%           | 0.032%        |
| 2         | 3.840       | 159           | 162         | 168          | rVB4     | 7263           | 13067         | 0.26%           | 0.031%        |
| 3         | 4.275       | 234           | 236         | 241          | rVB4     | 4766           | 5478          | 0.11%           | 0.013%        |
| 4         | 6.757       | 652           | 658         | 666          | rVB2     | 170243         | 268624        | 5.28%           | 0.643%        |
| 5         | 6.916       | 677           | 685         | 695          | rBV      | 540817         | 809543        | 15.92%          | 1.936%        |
| 6         | 7.110       | 711           | 718         | 726          | rBV      | 629374         | 943377        | 18.56%          | 2.256%        |
| 7         | 7.569       | 789           | 796         | 805          | rVB      | 555734         | 878475        | 17.28%          | 2.101%        |
| 8         | 8.275       | 911           | 916         | 925          | rBV      | 438681         | 689187        | 13.56%          | 1.648%        |
| 9         | 8.710       | 984           | 990         | 1006         | rVB      | 674670         | 1089981       | 21.44%          | 2.607%        |
| 10        | 9.169       | 1061          | 1068        | 1077         | rVB2     | 210407         | 380465        | 7.48%           | 0.910%        |
| 11        | 9.428       | 1105          | 1112        | 1120         | rBV      | 537674         | 853677        | 16.79%          | 2.042%        |
| 12        | 9.498       | 1120          | 1124        | 1130         | rVB      | 60139          | 90641         | 1.78%           | 0.217%        |
| 13        | 9.604       | 1135          | 1142        | 1146         | rBV3     | 8079           | 13309         | 0.26%           | 0.032%        |
| 14        | 9.963       | 1196          | 1203        | 1215         | rBV      | 830178         | 1338564       | 26.33%          | 3.202%        |
| 15        | 10.275      | 1251          | 1256        | 1260         | rBV4     | 16735          | 26923         | 0.53%           | 0.064%        |
| 16        | 10.339      | 1260          | 1267        | 1277         | rVB      | 737771         | 1202760       | 23.66%          | 2.877%        |
| 17        | 10.480      | 1286          | 1291        | 1297         | rBV2     | 29516          | 51729         | 1.02%           | 0.124%        |
| 18        | 10.892      | 1354          | 1361        | 1370         | rBV2     | 57624          | 101890        | 2.00%           | 0.244%        |
| 19        | 10.992      | 1374          | 1378        | 1384         | rBV2     | 36777          | 61599         | 1.21%           | 0.147%        |
| 20        | 11.516      | 1461          | 1467        | 1470         | rBV5     | 5631           | 7491          | 0.15%           | 0.018%        |
| 21        | 11.680      | 1491          | 1495        | 1501         | rVB2     | 28089          | 37538         | 0.74%           | 0.090%        |
| 22        | 11.939      | 1534          | 1539        | 1544         | rVB2     | 13120          | 21518         | 0.42%           | 0.051%        |
| 23        | 12.039      | 1552          | 1556        | 1559         | rBV4     | 4641           | 6301          | 0.12%           | 0.015%        |
| 24        | 12.080      | 1559          | 1563        | 1567         | rVB5     | 5464           | 8723          | 0.17%           | 0.021%        |
| 25        | 12.157      | 1572          | 1576        | 1579         | rBV2     | 13105          | 19589         | 0.39%           | 0.047%        |
| 26        | 12.298      | 1597          | 1600        | 1605         | rBV3     | 10568          | 16739         | 0.33%           | 0.040%        |
| 27        | 13.015      | 1714          | 1722        | 1732         | rBV      | 548796         | 776992        | 15.28%          | 1.858%        |
| 28        | 13.139      | 1739          | 1743        | 1749         | rBV      | 17523          | 26437         | 0.52%           | 0.063%        |
| 29        | 13.210      | 1749          | 1755        | 1765         | rVB      | 320345         | 453444        | 8.92%           | 1.085%        |
| 30        | 13.398      | 1782          | 1787        | 1793         | rBV5     | 7882           | 12194         | 0.24%           | 0.029%        |
| 31        | 13.527      | 1806          | 1809        | 1815         | rVB7     | 4268           | 8083          | 0.16%           | 0.019%        |
| 32        | 13.627      | 1820          | 1826        | 1835         | rVV      | 1632227        | 2222425       | 43.71%          | 5.316%        |
| 33        | 13.692      | 1835          | 1837        | 1843         | rVB4     | 12987          | 18990         | 0.37%           | 0.045%        |
| 34        | 13.898      | 1866          | 1872        | 1878         | rBV      | 1807028        | 2541971       | 50.00%          | 6.080%        |

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 Max Peaks: 100  
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 Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM031420MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 35 | 13.968 | 1881 | 1884 | 1890 | rVB2 | 76894   | 99363   | 1.95%   | 0.238%  |
| 36 | 14.104 | 1900 | 1907 | 1912 | rVB  | 28071   | 40969   | 0.81%   | 0.098%  |
| 37 | 14.210 | 1916 | 1925 | 1934 | rVV  | 1137502 | 1666583 | 32.78%  | 3.986%  |
| 38 | 14.280 | 1935 | 1937 | 1940 | rVB4 | 5448    | 5473    | 0.11%   | 0.013%  |
| 39 | 14.415 | 1955 | 1960 | 1967 | rBV  | 123571  | 194087  | 3.82%   | 0.464%  |
| 40 | 14.974 | 2051 | 2055 | 2059 | rVV5 | 4558    | 6553    | 0.13%   | 0.016%  |
| 41 | 15.080 | 2069 | 2073 | 2076 | rBV5 | 3016    | 5285    | 0.10%   | 0.013%  |
| 42 | 15.209 | 2088 | 2095 | 2102 | rBV  | 2382056 | 3281953 | 64.55%  | 7.850%  |
| 43 | 15.327 | 2110 | 2115 | 2123 | rBV  | 713685  | 947613  | 18.64%  | 2.267%  |
| 44 | 15.451 | 2132 | 2136 | 2140 | rVB2 | 23971   | 33033   | 0.65%   | 0.079%  |
| 45 | 15.992 | 2226 | 2228 | 2231 | rBV3 | 8193    | 8619    | 0.17%   | 0.021%  |
| 46 | 16.745 | 2353 | 2356 | 2360 | rVB4 | 5198    | 7229    | 0.14%   | 0.017%  |
| 47 | 16.956 | 2386 | 2392 | 2398 | rVB  | 1412919 | 1892520 | 37.22%  | 4.527%  |
| 48 | 17.056 | 2402 | 2409 | 2420 | rBV  | 2677842 | 3705629 | 72.89%  | 8.863%  |
| 49 | 17.874 | 2545 | 2548 | 2553 | rBV5 | 12044   | 16493   | 0.32%   | 0.039%  |
| 50 | 17.933 | 2555 | 2558 | 2565 | rVV2 | 13955   | 17383   | 0.34%   | 0.042%  |
| 51 | 18.568 | 2662 | 2666 | 2671 | rBV5 | 3933    | 6214    | 0.12%   | 0.015%  |
| 52 | 18.986 | 2732 | 2737 | 2743 | rBV2 | 30415   | 43656   | 0.86%   | 0.104%  |
| 53 | 19.092 | 2753 | 2755 | 2758 | rBV4 | 3921    | 5794    | 0.11%   | 0.014%  |
| 54 | 19.168 | 2764 | 2768 | 2771 | rBV6 | 8790    | 12583   | 0.25%   | 0.030%  |
| 55 | 19.239 | 2776 | 2780 | 2785 | rVV  | 20913   | 29745   | 0.59%   | 0.071%  |
| 56 | 19.350 | 2793 | 2799 | 2808 | rBV  | 3336728 | 4447966 | 87.49%  | 10.639% |
| 57 | 19.503 | 2822 | 2825 | 2828 | rVV5 | 3809    | 5241    | 0.10%   | 0.013%  |
| 58 | 20.168 | 2936 | 2938 | 2939 | rBV  | 6433    | 5420    | 0.11%   | 0.013%  |
| 59 | 21.144 | 3099 | 3104 | 3111 | rBV  | 1907790 | 2393530 | 47.08%  | 5.725%  |
| 60 | 22.691 | 3364 | 3367 | 3375 | rVB4 | 76728   | 110527  | 2.17%   | 0.264%  |
| 61 | 23.162 | 3441 | 3447 | 3455 | rBV  | 3036260 | 5084190 | 100.00% | 12.161% |
| 62 | 23.232 | 3456 | 3459 | 3463 | rVV2 | 99711   | 139314  | 2.74%   | 0.333%  |
| 63 | 23.297 | 3464 | 3470 | 3482 | rVB  | 1535428 | 2584785 | 50.84%  | 6.182%  |

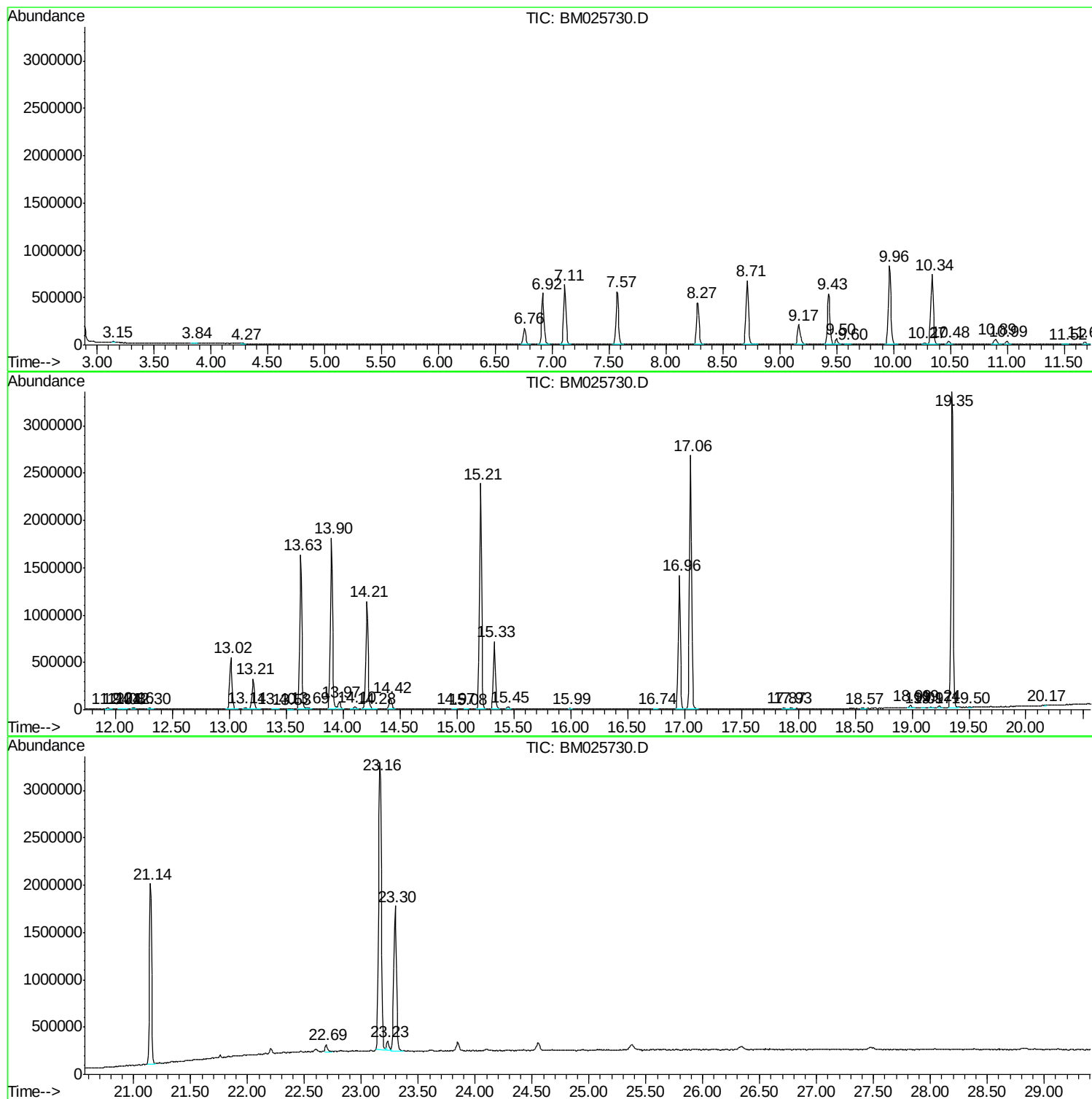
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Instrument :  
BNA\_M  
ClientSampleId :  
C0D94

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM031420MA.M  
Quant Title : SVOA CALIBRATION

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



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Quant Title : SVOA CALIBRATION

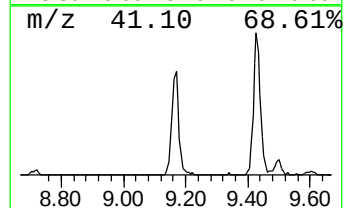
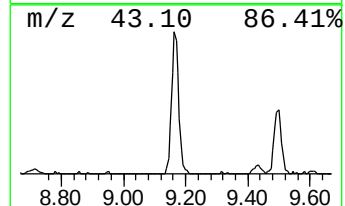
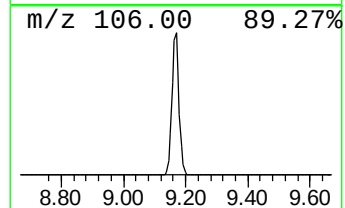
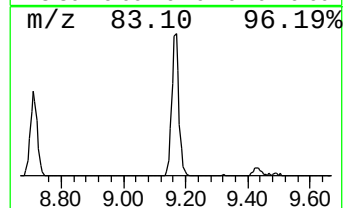
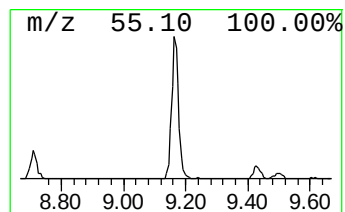
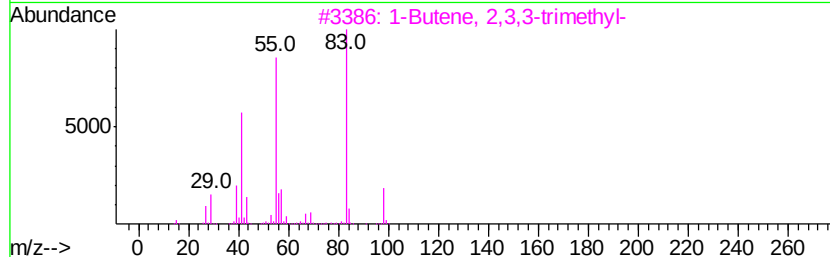
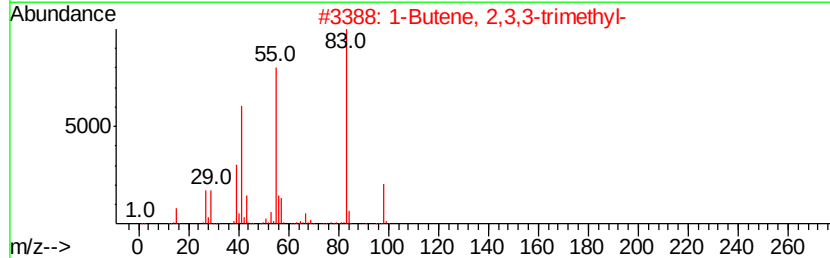
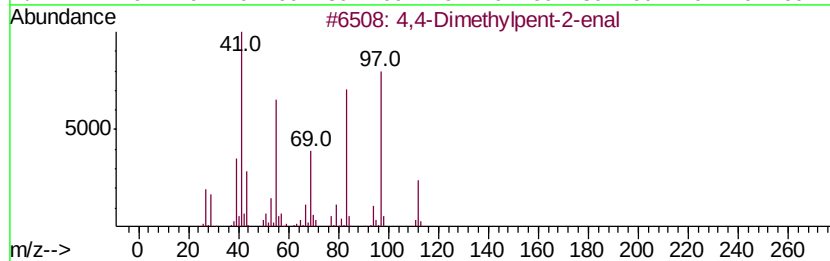
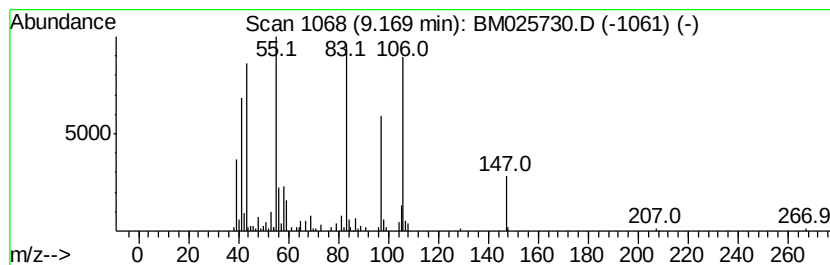
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 unknown-01 Concentration Rank 2

| R.T. | EstConc    | Area   | Relative to ISTD | R.T.  |
|------|------------|--------|------------------|-------|
| 9.17 | 6.33 ng/ul | 380465 | Naphthalene-d8   | 10.34 |

| Hit# | of                                 | 5 | Tentative ID | MW  | MolForm   | CAS#         | Qual |
|------|------------------------------------|---|--------------|-----|-----------|--------------|------|
| 1    | 4,4-Dimethylpent-2-enal            |   |              | 112 | C7H12O    | 1000195-01-6 | 35   |
| 2    | 1-Butene, 2,3,3-trimethyl-         |   |              | 98  | C7H14     | 000594-56-9  | 27   |
| 3    | 1-Butene, 2,3,3-trimethyl-         |   |              | 98  | C7H14     | 000594-56-9  | 27   |
| 4    | Phosphonous dibromide, cyclohexyl- |   |              | 272 | C6H11Br2P | 086012-32-0  | 22   |
| 5    | Cyclohexane, nitro-                |   |              | 129 | C6H11NO2  | 001122-60-7  | 22   |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM031420MA.M  
Quant Title : SVOA CALIBRATION

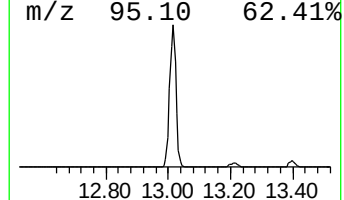
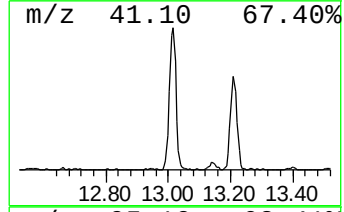
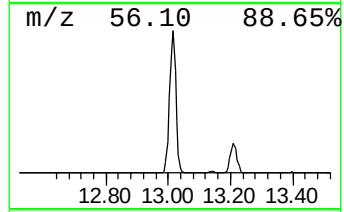
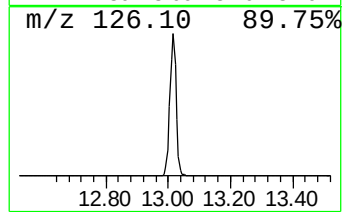
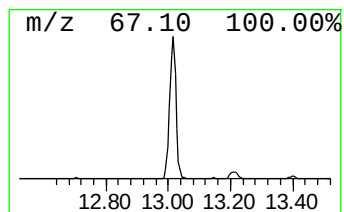
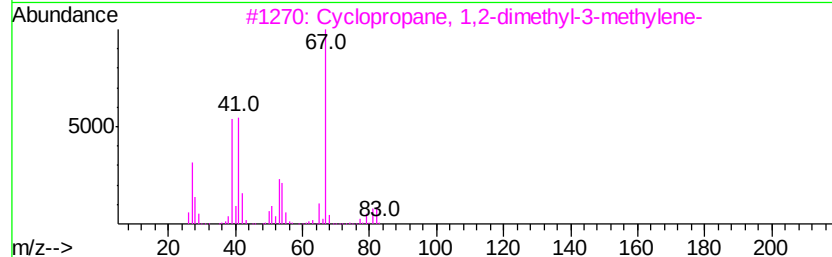
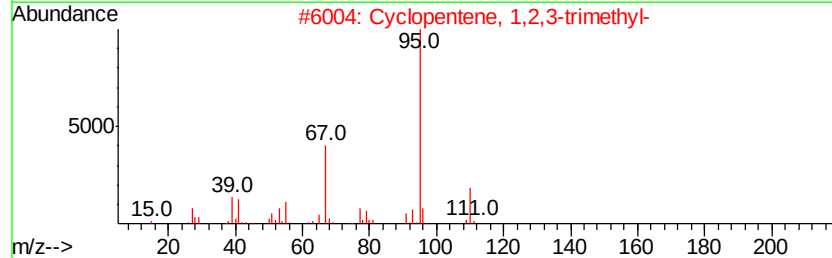
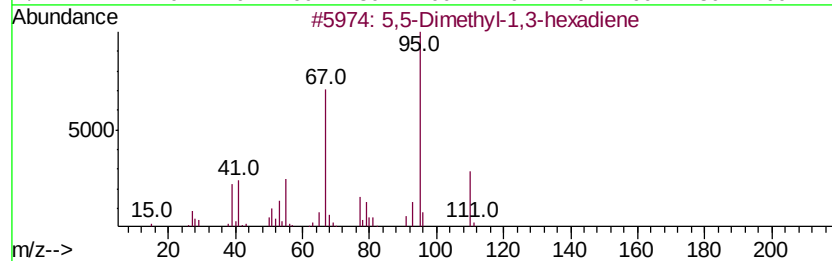
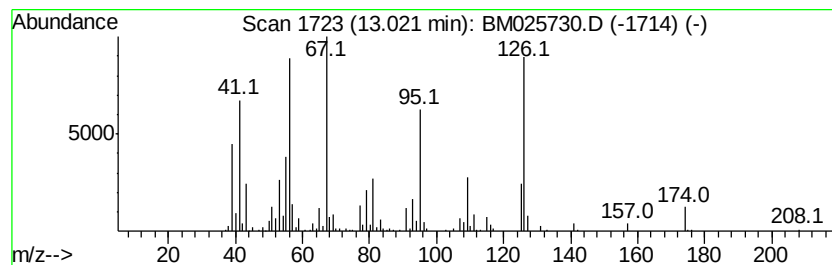
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 unknown-02 Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD |  | R.T.  |
|-------|------------|--------|------------------|--|-------|
| 13.02 | 9.32 ng/ul | 776992 | Acenaphthene-d10 |  | 14.21 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 5,5-Dimethyl-1,3-hexadiene          | 110 | C8H14   | 001515-79-3 | 30   |
| 2    |    |   | Cyclopentene, 1,2,3-trimethyl-      | 110 | C8H14   | 000473-91-6 | 22   |
| 3    |    |   | Cyclopropane, 1,2-dimethyl-3-met... | 82  | C6H10   | 062338-02-7 | 15   |
| 4    |    |   | Bicyclo[2.2.1]heptane, 2-(2-prop... | 136 | C10H16  | 002633-80-9 | 14   |
| 5    |    |   | 2-Butene                            | 56  | C4H8    | 000107-01-7 | 11   |



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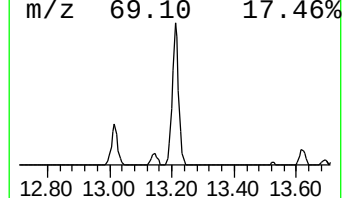
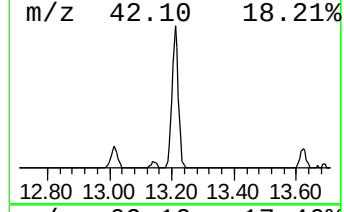
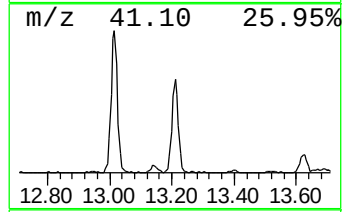
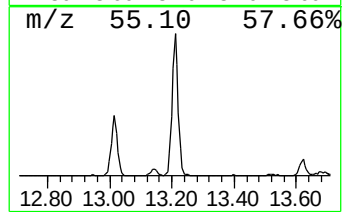
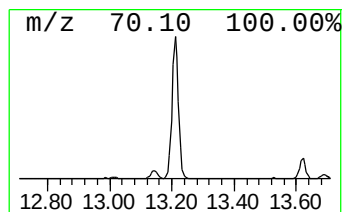
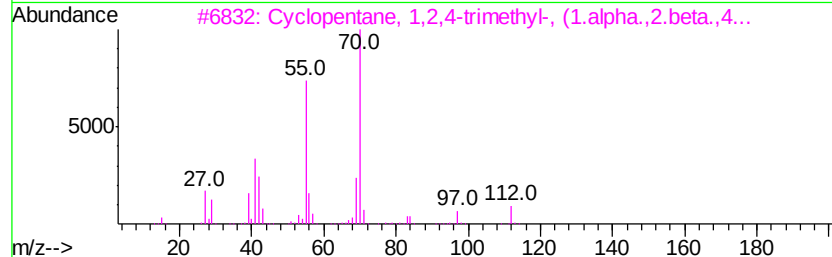
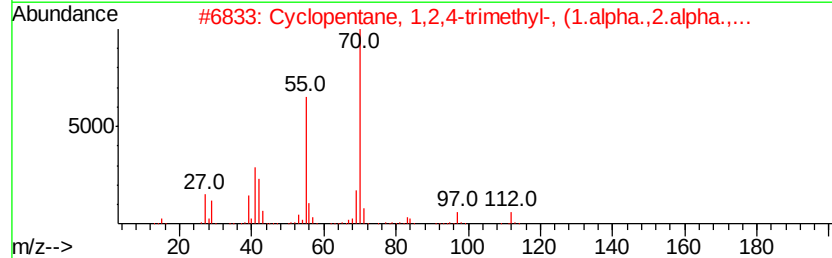
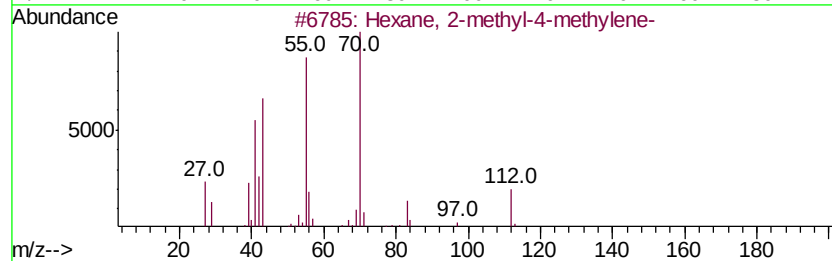
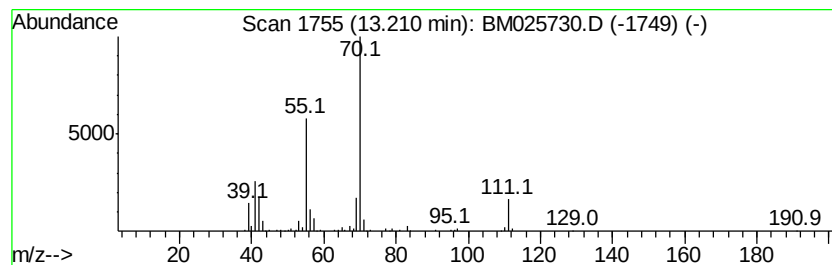
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TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 (DEL) Alkane: Cyclic13.21 Concentration Rank 3

| R.T.    | EstConc                             | Area         | Relative to ISTD | R.T.      |
|---------|-------------------------------------|--------------|------------------|-----------|
| 13.21   | 5.44 ng/ul                          | 453444       | Acenaphthene-d10 | 14.21     |
| Hit# of | 5                                   | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | Hexane, 2-methyl-4-methylene-       | 112 C8H16    | 003404-80-6      | 72        |
| 2       | Cyclopentane, 1,2,4-trimethyl-, ... | 112 C8H16    | 004850-28-6      | 72        |
| 3       | Cyclopentane, 1,2,4-trimethyl-, ... | 112 C8H16    | 016883-48-0      | 72        |
| 4       | Cyclopentane, 1,2,4-trimethyl-      | 112 C8H16    | 002815-58-9      | 72        |
| 5       | Cyclopentane, 1,2,3-trimethyl-, ... | 112 C8H16    | 002613-69-6      | 64        |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| unknown-01           | 9.17  | 6.3     | ng/ul | 380465   | 2                     | 10.34 | 1202760 | 20.0 |
| unknown-02           | 13.02 | 9.3     | ng/ul | 776992   | 3                     | 14.21 | 1666580 | 20.0 |
| (DEL) Alkane: Cyc... | 13.21 | 5.4     | ng/ul | 453444   | 3                     | 14.21 | 1666580 | 20.0 |