

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM042016\  
 Data File : BM005012.D  
 Acq On : 21 Apr 2016 04:45  
 Operator : UM/SJ  
 Sample : H2567-26  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BC7R4

## 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-BM041416.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         | 2.828       | 20            | 24          | 30           | rVB      | 21588          | 26403         | 1.93%           | 0.177%        |
| 2         | 3.281       | 97            | 101         | 108          | rBV2     | 62325          | 89531         | 6.53%           | 0.601%        |
| 3         | 3.340       | 108           | 111         | 119          | rVB      | 21708          | 27242         | 1.99%           | 0.183%        |
| 4         | 6.928       | 694           | 721         | 724          | rBV      | 142770         | 653662        | 47.66%          | 4.386%        |
| 5         | 6.969       | 724           | 728         | 739          | rVB      | 67308          | 116243        | 8.48%           | 0.780%        |
| 6         | 7.140       | 751           | 757         | 764          | rBV      | 184945         | 283444        | 20.67%          | 1.902%        |
| 7         | 7.340       | 785           | 791         | 800          | rVB      | 204876         | 320891        | 23.40%          | 2.153%        |
| 8         | 7.804       | 865           | 870         | 876          | rBV      | 182554         | 294216        | 21.45%          | 1.974%        |
| 9         | 7.863       | 876           | 880         | 886          | rVB      | 17856          | 26645         | 1.94%           | 0.179%        |
| 10        | 8.504       | 984           | 989         | 1000         | rBV      | 160744         | 261640        | 19.08%          | 1.755%        |
| 11        | 8.963       | 1060          | 1067        | 1073         | rBV      | 222907         | 366942        | 26.75%          | 2.462%        |
| 12        | 9.681       | 1183          | 1189        | 1198         | rBB      | 183114         | 302947        | 22.09%          | 2.033%        |
| 13        | 9.928       | 1210          | 1231        | 1251         | rBV      | 149343         | 619379        | 45.16%          | 4.156%        |
| 14        | 10.216      | 1273          | 1280        | 1289         | rBV      | 273682         | 459180        | 33.48%          | 3.081%        |
| 15        | 10.510      | 1323          | 1330        | 1338         | rBV      | 33086          | 67814         | 4.94%           | 0.455%        |
| 16        | 10.592      | 1338          | 1344        | 1352         | rVB      | 253915         | 443114        | 32.31%          | 2.973%        |
| 17        | 11.269      | 1453          | 1459        | 1466         | rBB2     | 12760          | 19840         | 1.45%           | 0.133%        |
| 18        | 11.933      | 1564          | 1572        | 1582         | rBB2     | 18289          | 29789         | 2.17%           | 0.200%        |
| 19        | 12.633      | 1686          | 1691        | 1696         | rBV      | 12797          | 19477         | 1.42%           | 0.131%        |
| 20        | 12.686      | 1696          | 1700        | 1709         | rBV      | 24254          | 35364         | 2.58%           | 0.237%        |
| 21        | 13.192      | 1778          | 1786        | 1792         | rBV      | 22817          | 38737         | 2.82%           | 0.260%        |
| 22        | 13.433      | 1822          | 1827        | 1840         | rVB      | 60516          | 103039        | 7.51%           | 0.691%        |
| 23        | 13.622      | 1853          | 1859        | 1872         | rBV      | 75768          | 132486        | 9.66%           | 0.889%        |
| 24        | 13.851      | 1892          | 1898        | 1905         | rVB      | 498175         | 698735        | 50.95%          | 4.688%        |
| 25        | 14.033      | 1924          | 1929        | 1934         | rBV      | 10317          | 16691         | 1.22%           | 0.112%        |
| 26        | 14.139      | 1940          | 1947        | 1954         | rVB      | 549630         | 841839        | 61.38%          | 5.648%        |
| 27        | 14.210      | 1954          | 1959        | 1973         | rVB2     | 21177          | 41345         | 3.01%           | 0.277%        |
| 28        | 14.445      | 1992          | 1999        | 2007         | rBV2     | 387288         | 586341        | 42.75%          | 3.934%        |
| 29        | 14.645      | 2028          | 2033        | 2041         | rBV      | 49809          | 85548         | 6.24%           | 0.574%        |
| 30        | 14.939      | 2076          | 2083        | 2092         | rBV      | 13585          | 21005         | 1.53%           | 0.141%        |
| 31        | 15.174      | 2119          | 2123        | 2128         | rVB3     | 8210           | 13762         | 1.00%           | 0.092%        |
| 32        | 15.233      | 2128          | 2133        | 2146         | rVB4     | 16410          | 35149         | 2.56%           | 0.236%        |
| 33        | 15.439      | 2161          | 2168        | 2178         | rVB      | 719548         | 1064886       | 77.64%          | 7.145%        |
| 34        | 15.557      | 2183          | 2188        | 2201         | rBV      | 233729         | 325553        | 23.74%          | 2.184%        |

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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

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Title : SVOA CALIBRATION

|    |        |      |      |      |      |        |         |         |        |
|----|--------|------|------|------|------|--------|---------|---------|--------|
| 35 | 16.568 | 2354 | 2360 | 2368 | rVB3 | 13714  | 19496   | 1.42%   | 0.131% |
| 36 | 17.192 | 2459 | 2466 | 2474 | rBV2 | 485932 | 710559  | 51.81%  | 4.767% |
| 37 | 17.286 | 2474 | 2482 | 2493 | rBV2 | 764822 | 1141616 | 83.24%  | 7.660% |
| 38 | 19.498 | 2855 | 2858 | 2862 | rVB  | 12895  | 14874   | 1.08%   | 0.100% |
| 39 | 19.580 | 2866 | 2872 | 2887 | rVV2 | 959029 | 1371521 | 100.00% | 9.202% |
| 40 | 21.280 | 3157 | 3161 | 3165 | rBV  | 17698  | 21199   | 1.55%   | 0.142% |
| 41 | 21.374 | 3171 | 3177 | 3186 | rBV  | 720624 | 923963  | 67.37%  | 6.199% |
| 42 | 23.515 | 3533 | 3541 | 3548 | rBV2 | 696715 | 1322987 | 96.46%  | 8.876% |
| 43 | 23.656 | 3558 | 3565 | 3580 | rVB  | 453893 | 881508  | 64.27%  | 5.914% |
| 44 | 24.174 | 3650 | 3653 | 3662 | rVB2 | 14505  | 27834   | 2.03%   | 0.187% |

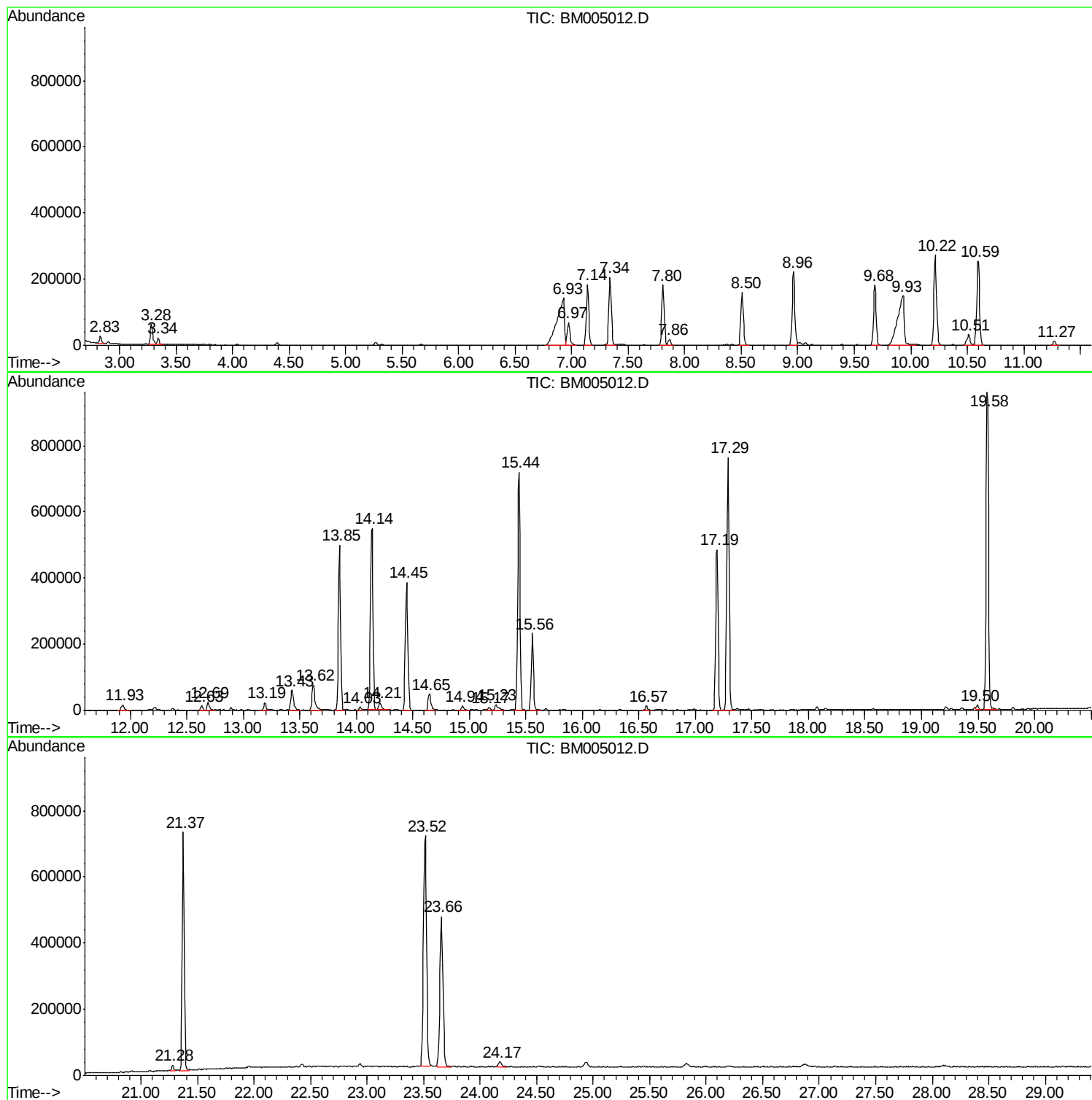
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Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM041416.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P



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Instrument :  
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BC7R4

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM041416.M  
Quant Title : SVOA CALIBRATION

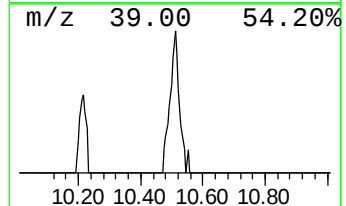
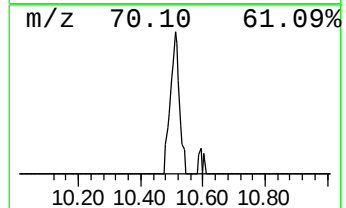
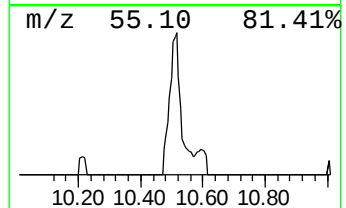
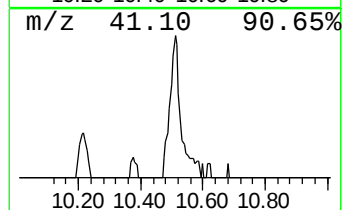
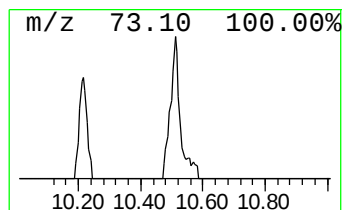
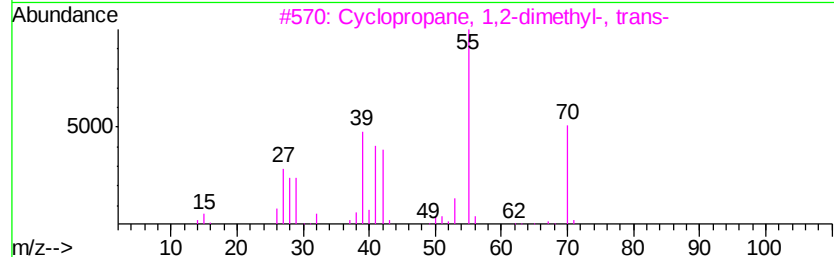
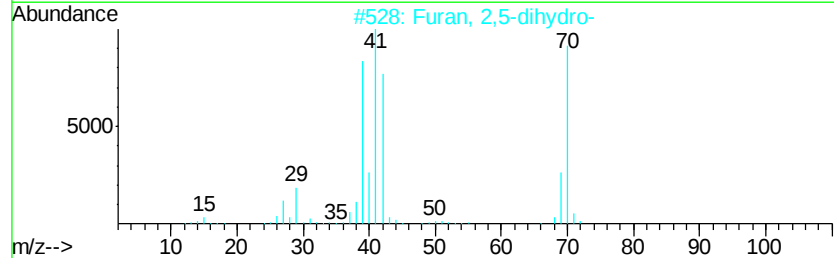
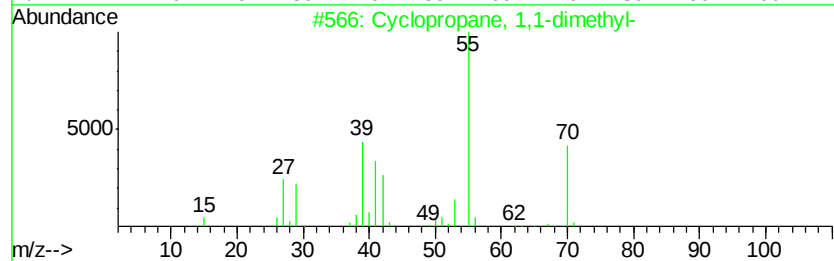
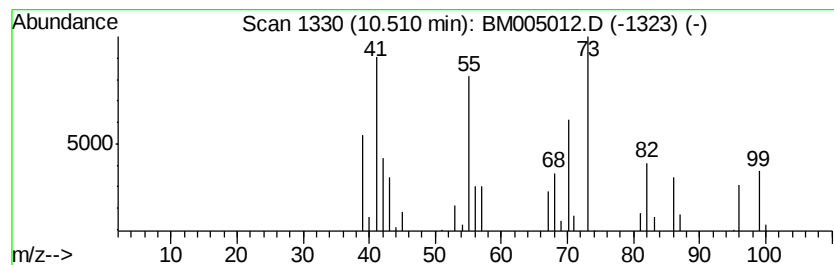
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 (DEL) Alkane: Cyclic10.51 Concentration Rank 4

| R.T.  | EstConc    | Area  | Relative to ISTD | R.T.  |
|-------|------------|-------|------------------|-------|
| 10.51 | 3.06 ng/ul | 67814 | Napthalene-d8    | 10.59 |

| Hit# | of | Tentative ID                        | MW | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|----|---------|-------------|------|
| 1    | 5  | Cyclopropane, 1,1-dimethyl-         | 70 | C5H10   | 001630-94-0 | 22   |
| 2    |    | Furan, 2,5-dihydro-                 | 70 | C4H6O   | 001708-29-8 | 22   |
| 3    |    | Cyclopropane, 1,2-dimethyl-, trans- | 70 | C5H10   | 002402-06-4 | 22   |
| 4    |    | Furan, 2,5-dihydro-                 | 70 | C4H6O   | 001708-29-8 | 22   |
| 5    |    | Cyclopropane, 1,1-dimethyl-         | 70 | C5H10   | 001630-94-0 | 22   |



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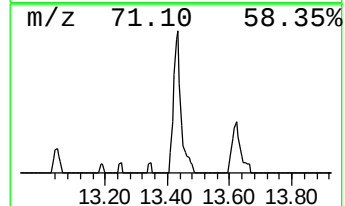
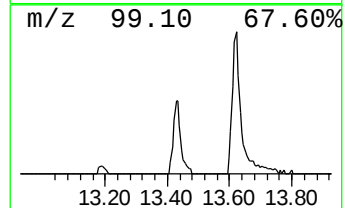
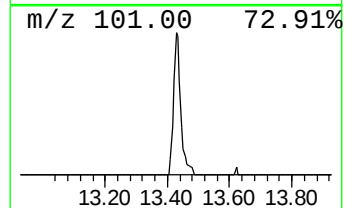
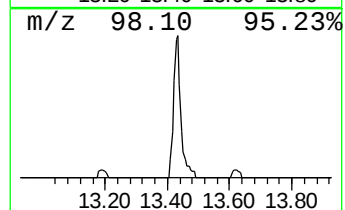
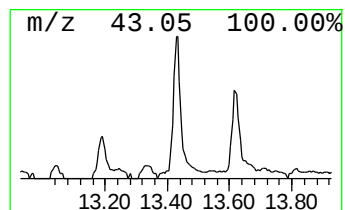
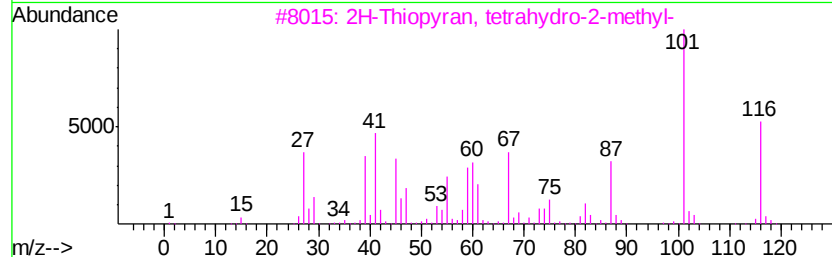
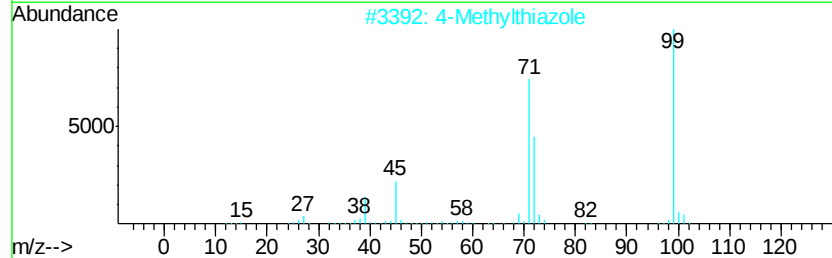
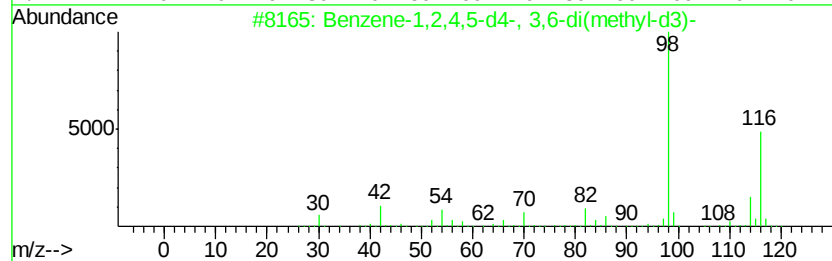
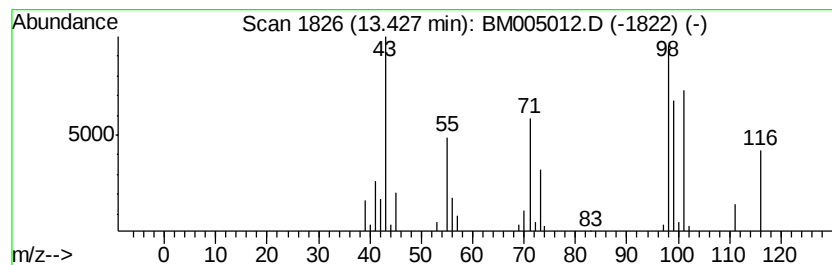
Instrument :  
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Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM041416.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
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\*\*\*\*\*  
Peak Number 3 unknown-01 Concentration Rank 3

| R.T.    | EstConc    | Area                                | Relative to ISTD | R.T.           |
|---------|------------|-------------------------------------|------------------|----------------|
| 13.43   | 3.51 ng/ul | 103039                              | Acenaphthene-d10 | 14.45          |
| Hit# of | 5          | Tentative ID                        | MW MolForm       | CAS# Qual      |
| 1       |            | Benzene-1,2,4,5-d4-, 3,6-di(meth... | 116 C8D10        | 041051-88-1 30 |
| 2       |            | 4-Methylthiazole                    | 99 C4H5NS        | 000693-95-8 22 |
| 3       |            | 2H-Thiopyran, tetrahydro-2-methyl-  | 116 C6H12S       | 005161-16-0 22 |
| 4       |            | Thiazole, 4,5-dihydro-4-methyl-2... | 116 C4H8N2S      | 010416-81-6 22 |
| 5       |            | 3H-Pyrazol-3-one, 1,2-dihydro-5-... | 98 C4H6N2O       | 004344-87-0 22 |



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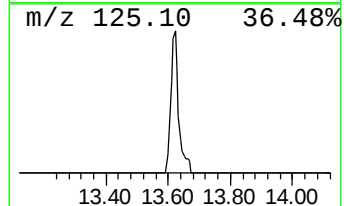
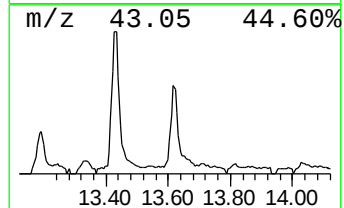
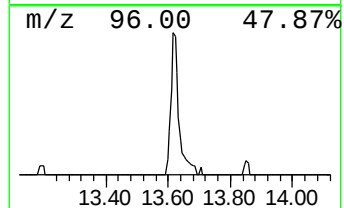
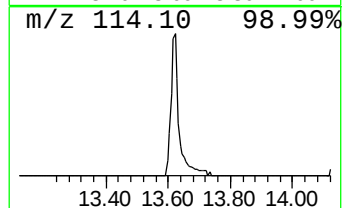
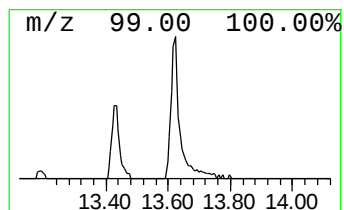
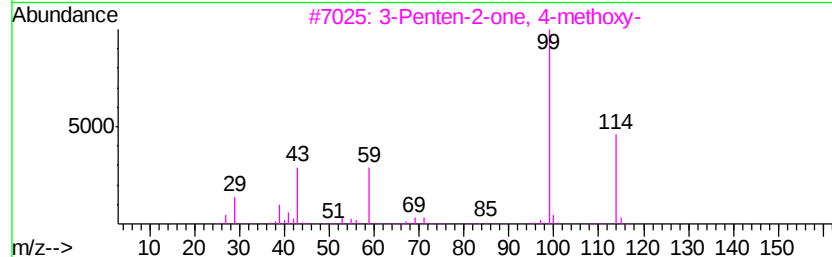
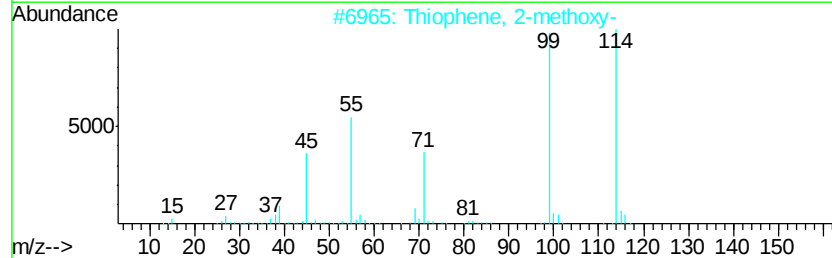
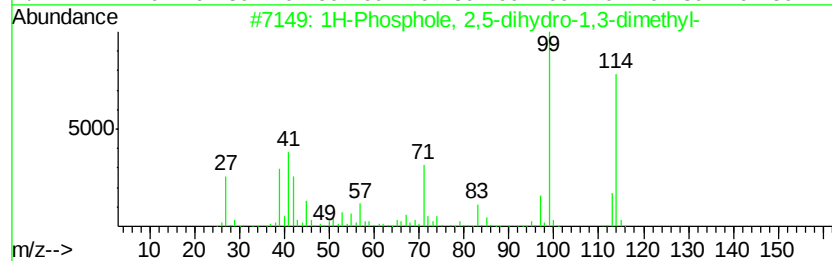
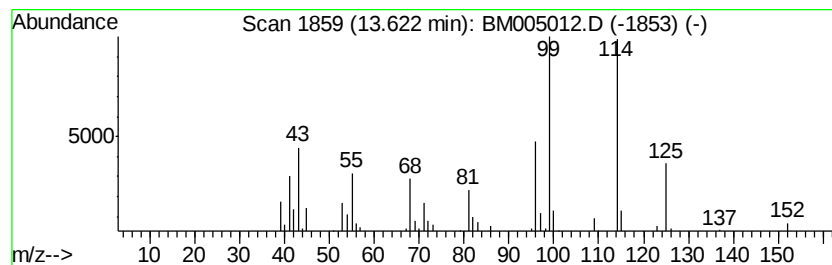
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ClientSampleId :  
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TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 unknown-02 Concentration Rank 2

| R.T.      | EstConc                             | Area   | Relative to ISTD |             | R.T.  |
|-----------|-------------------------------------|--------|------------------|-------------|-------|
| 13.62     | 4.52 ng/ul                          | 132486 | Acenaphthene-d10 |             | 14.45 |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual  |
| 1         | 1H-Phosphole, 2,5-dihydro-1,3-di... | 114    | C6H11P           | 015450-84-7 | 47    |
| 2         | Thiophene, 2-methoxy-               | 114    | C5H6OS           | 016839-97-7 | 43    |
| 3         | 3-Penten-2-one, 4-methoxy-          | 114    | C6H10O2          | 002845-83-2 | 38    |
| 4         | Acetic acid isopropylidene-hydra... | 114    | C5H10N2O         | 003742-63-0 | 37    |
| 5         | Propanal, 2-methyl-, ethylhydrazone | 114    | C6H14N2          | 020607-77-6 | 37    |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| (DEL) Alkane: Cyc... | 10.51 | 3.1     | ng/ul | 67814    | 2                     | 10.59 | 443114 | 20.0 |
| unknown-01           | 13.43 | 3.5     | ng/ul | 103039   | 3                     | 14.45 | 586341 | 20.0 |
| unknown-02           | 13.62 | 4.5     | ng/ul | 132486   | 3                     | 14.45 | 586341 | 20.0 |