

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122115\  
 Data File : BM003688.D  
 Acq On : 21 Dec 2015 22:18  
 Operator : UM/SJ  
 Sample : G4867-13  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 G9DA8

## 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\_M\METHODS\SOM02.2-EPA-BM121915.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         | 3.152       | 9             | 11          | 16           | rVB      | 1247           | 1394          | 0.19%           | 0.021%        |
| 2         | 3.893       | 134           | 137         | 140          | rBB      | 2000           | 2179          | 0.30%           | 0.033%        |
| 3         | 6.869       | 638           | 643         | 649          | rBB      | 23283          | 33592         | 4.55%           | 0.512%        |
| 4         | 7.028       | 664           | 670         | 678          | rBV      | 95674          | 143505        | 19.44%          | 2.187%        |
| 5         | 7.228       | 698           | 704         | 711          | rBB      | 101621         | 157778        | 21.37%          | 2.405%        |
| 6         | 7.575       | 759           | 763         | 768          | rBB2     | 3360           | 4940          | 0.67%           | 0.075%        |
| 7         | 7.692       | 777           | 783         | 789          | rBB      | 96491          | 144681        | 19.60%          | 2.205%        |
| 8         | 8.004       | 832           | 836         | 839          | rBB      | 1400           | 1743          | 0.24%           | 0.027%        |
| 9         | 8.328       | 889           | 891         | 895          | rBB      | 2069           | 2207          | 0.30%           | 0.034%        |
| 10        | 8.404       | 898           | 904         | 911          | rBB      | 75184          | 113777        | 15.41%          | 1.734%        |
| 11        | 8.633       | 939           | 943         | 946          | rBB      | 5041           | 6860          | 0.93%           | 0.105%        |
| 12        | 8.851       | 974           | 980         | 990          | rBB2     | 113858         | 198123        | 26.84%          | 3.020%        |
| 13        | 9.045       | 1009          | 1013        | 1016         | rBB      | 2081           | 3015          | 0.41%           | 0.046%        |
| 14        | 9.369       | 1065          | 1068        | 1071         | rBB      | 1537           | 1548          | 0.21%           | 0.024%        |
| 15        | 9.569       | 1096          | 1102        | 1109         | rBB      | 93927          | 144406        | 19.56%          | 2.201%        |
| 16        | 9.910       | 1152          | 1160        | 1166         | rBB      | 33700          | 67401         | 9.13%           | 1.027%        |
| 17        | 9.980       | 1166          | 1172        | 1176         | rBV      | 87516          | 144958        | 19.64%          | 2.209%        |
| 18        | 10.022      | 1176          | 1179        | 1185         | rVB      | 39756          | 58108         | 7.87%           | 0.886%        |
| 19        | 10.104      | 1188          | 1193        | 1204         | rBB      | 130709         | 215568        | 29.20%          | 3.285%        |
| 20        | 10.480      | 1251          | 1257        | 1264         | rBV      | 129048         | 206431        | 27.96%          | 3.146%        |
| 21        | 10.539      | 1264          | 1267        | 1269         | rVB      | 855            | 841           | 0.11%           | 0.013%        |
| 22        | 10.627      | 1277          | 1282        | 1291         | rVB2     | 2056           | 4563          | 0.62%           | 0.070%        |
| 23        | 11.304      | 1395          | 1397        | 1400         | rBV      | 579            | 807           | 0.11%           | 0.012%        |
| 24        | 11.680      | 1457          | 1461        | 1465         | rBB      | 2005           | 3109          | 0.42%           | 0.047%        |
| 25        | 12.045      | 1519          | 1523        | 1532         | rBB2     | 5716           | 10496         | 1.42%           | 0.160%        |
| 26        | 12.351      | 1570          | 1575        | 1579         | rBB      | 1947           | 3424          | 0.46%           | 0.052%        |
| 27        | 13.757      | 1808          | 1814        | 1822         | rBB      | 271877         | 354855        | 48.07%          | 5.408%        |
| 28        | 14.039      | 1856          | 1862        | 1871         | rBV      | 295944         | 426065        | 57.72%          | 6.494%        |
| 29        | 14.345      | 1909          | 1914        | 1921         | rBB2     | 170257         | 258145        | 34.97%          | 3.934%        |
| 30        | 14.410      | 1923          | 1925        | 1927         | rBB      | 862            | 811           | 0.11%           | 0.012%        |
| 31        | 14.563      | 1947          | 1951        | 1958         | rBB      | 11476          | 15689         | 2.13%           | 0.239%        |
| 32        | 15.145      | 2048          | 2050        | 2053         | rBB      | 1399           | 1384          | 0.19%           | 0.021%        |
| 33        | 15.345      | 2078          | 2084        | 2090         | rBB      | 385326         | 541775        | 73.39%          | 8.257%        |
| 34        | 15.468      | 2100          | 2105        | 2111         | rBB      | 104988         | 126408        | 17.12%          | 1.927%        |

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 Title : SVOA CALIBRATION

|    |        |      |      |      |      |        |        |         |         |
|----|--------|------|------|------|------|--------|--------|---------|---------|
| 35 | 15.586 | 2122 | 2125 | 2127 | rBB  | 1697   | 1886   | 0.26%   | 0.029%  |
| 36 | 16.033 | 2197 | 2201 | 2205 | rBB  | 11642  | 14836  | 2.01%   | 0.226%  |
| 37 | 16.121 | 2211 | 2216 | 2222 | rBB  | 41271  | 50608  | 6.86%   | 0.771%  |
| 38 | 16.192 | 2223 | 2228 | 2232 | rBB  | 9041   | 9697   | 1.31%   | 0.148%  |
| 39 | 16.974 | 2358 | 2361 | 2364 | rBB  | 3706   | 3648   | 0.49%   | 0.056%  |
| 40 | 17.092 | 2376 | 2381 | 2388 | rBB2 | 207229 | 298564 | 40.45%  | 4.550%  |
| 41 | 17.192 | 2392 | 2398 | 2410 | rBB2 | 417172 | 577488 | 78.23%  | 8.801%  |
| 42 | 19.133 | 2724 | 2728 | 2733 | rBB  | 3156   | 3902   | 0.53%   | 0.059%  |
| 43 | 19.386 | 2767 | 2771 | 2775 | rBV  | 2187   | 2447   | 0.33%   | 0.037%  |
| 44 | 19.497 | 2784 | 2790 | 2798 | rVB  | 518927 | 674910 | 91.43%  | 10.286% |
| 45 | 20.633 | 2981 | 2983 | 2986 | rVB  | 776    | 940    | 0.13%   | 0.014%  |
| 46 | 20.662 | 2986 | 2988 | 2989 | rBV  | 907    | 827    | 0.11%   | 0.013%  |
| 47 | 20.739 | 2995 | 3001 | 3002 | rBV2 | 806    | 1068   | 0.14%   | 0.016%  |
| 48 | 21.297 | 3090 | 3096 | 3101 | rBV  | 292006 | 371937 | 50.39%  | 5.669%  |
| 49 | 21.391 | 3110 | 3112 | 3116 | rBV4 | 1942   | 2220   | 0.30%   | 0.034%  |
| 50 | 21.439 | 3116 | 3120 | 3122 | rBV3 | 1315   | 2104   | 0.29%   | 0.032%  |
| 51 | 22.344 | 3270 | 3274 | 3277 | rBV3 | 3605   | 4669   | 0.63%   | 0.071%  |
| 52 | 22.803 | 3349 | 3352 | 3355 | rBV3 | 3922   | 5127   | 0.69%   | 0.078%  |
| 53 | 23.397 | 3446 | 3453 | 3462 | rBV  | 412312 | 738177 | 100.00% | 11.250% |
| 54 | 23.538 | 3470 | 3477 | 3485 | rBV2 | 205027 | 369215 | 50.02%  | 5.627%  |
| 55 | 24.056 | 3562 | 3565 | 3572 | rVB3 | 7501   | 10613  | 1.44%   | 0.162%  |
| 56 | 24.803 | 3686 | 3692 | 3698 | rVB3 | 7662   | 15917  | 2.16%   | 0.243%  |

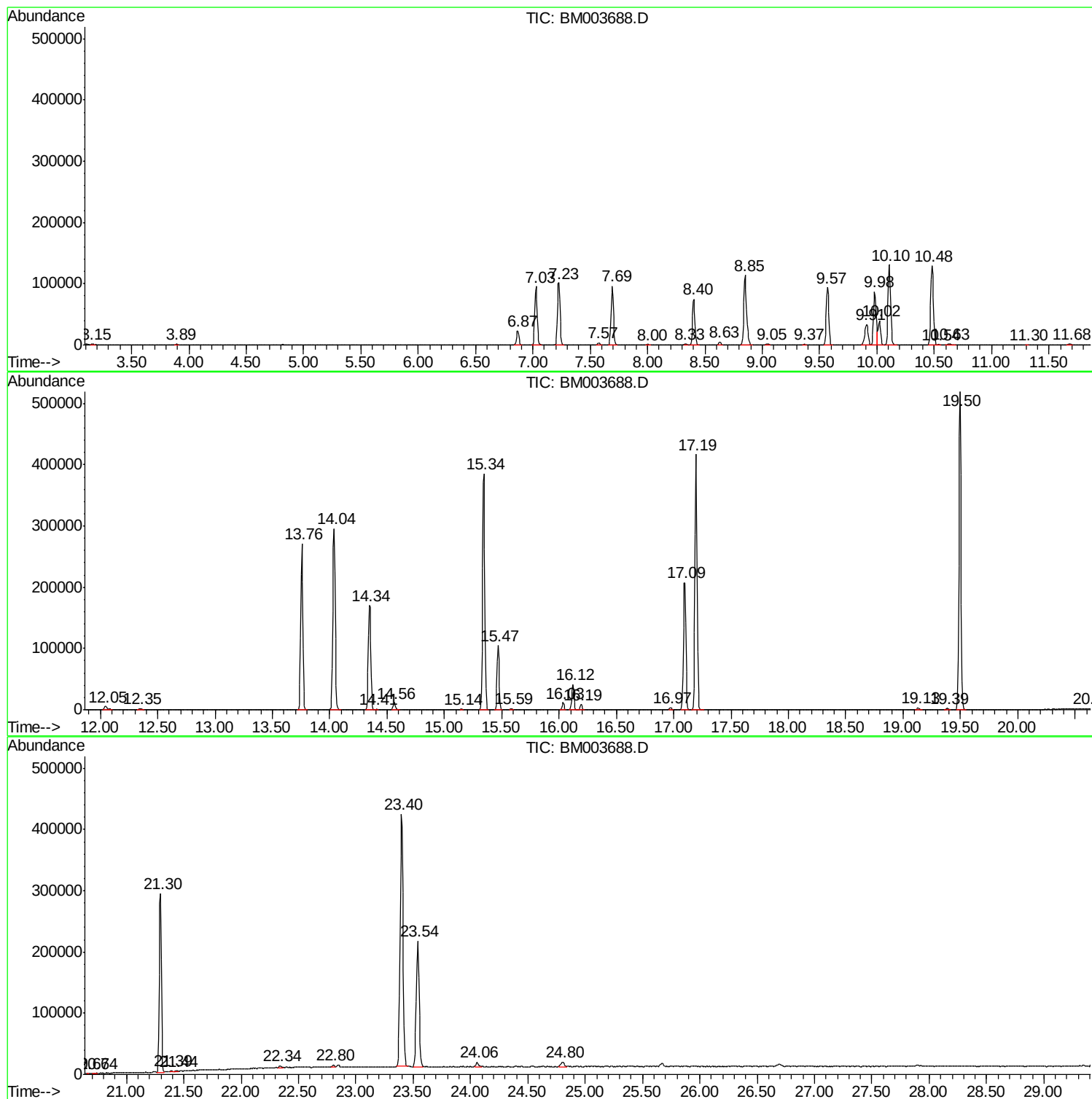
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM121915.M  
Quant Title : SVOA CALIBRATION

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



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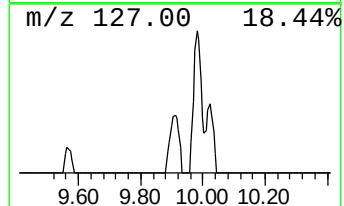
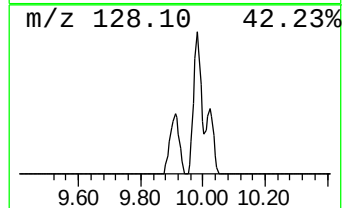
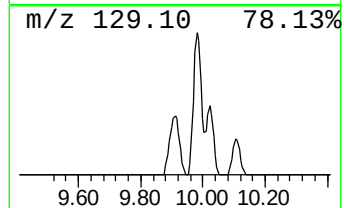
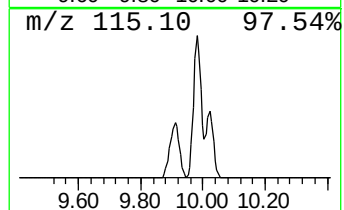
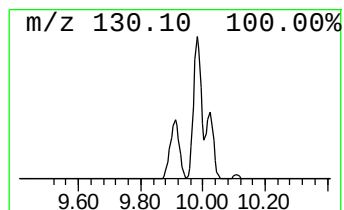
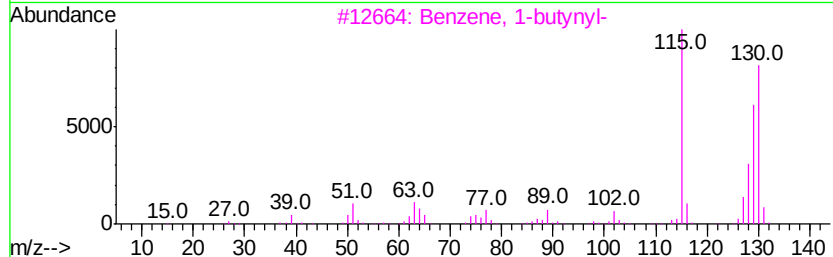
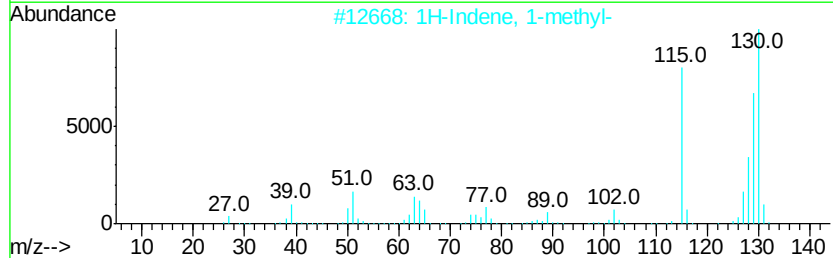
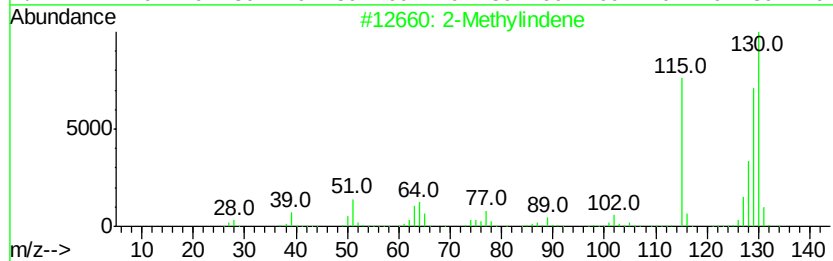
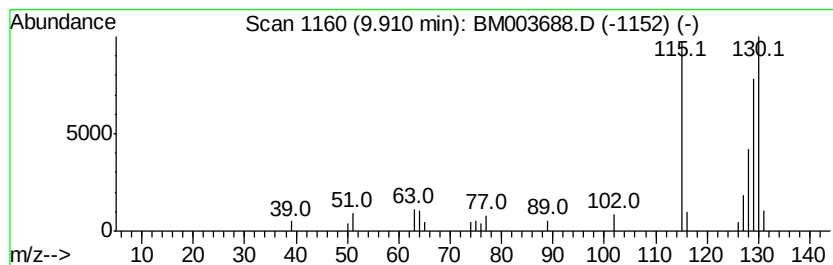
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM121915.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 1 2-Methylindene Concentration Rank 2

| R.T. | EstConc    | Area  | Relative to ISTD | R.T.  |
|------|------------|-------|------------------|-------|
| 9.91 | 6.53 ng/ul | 67401 | Naphthalene-d8   | 10.48 |

| Hit# | of | 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------|-----|---------|-------------|------|
| 1    |    |   | 2-Methylindene       | 130 | C10H10  | 002177-47-1 | 93   |
| 2    |    |   | 1H-Indene, 1-methyl- | 130 | C10H10  | 000767-59-9 | 93   |
| 3    |    |   | Benzene, 1-butynyl-  | 130 | C10H10  | 000622-76-4 | 91   |
| 4    |    |   | 1H-Indene, 3-methyl- | 130 | C10H10  | 000767-60-2 | 87   |
| 5    |    |   | 2-Methylindene       | 130 | C10H10  | 002177-47-1 | 87   |



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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM121915.M  
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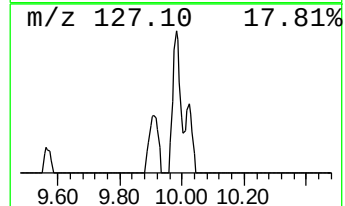
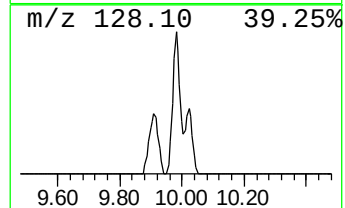
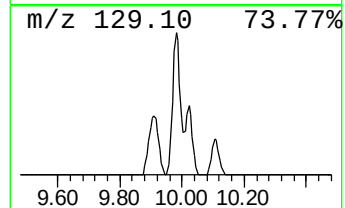
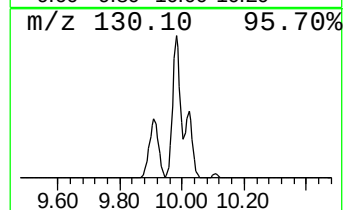
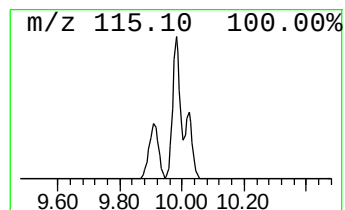
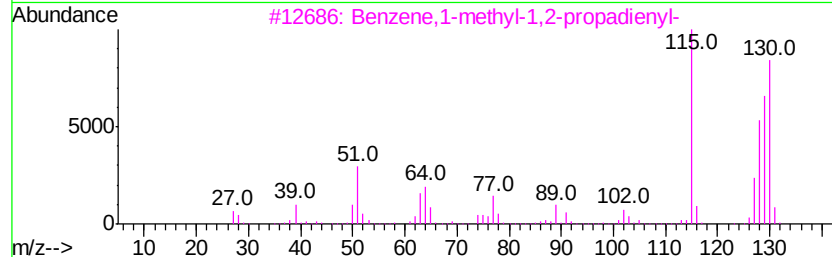
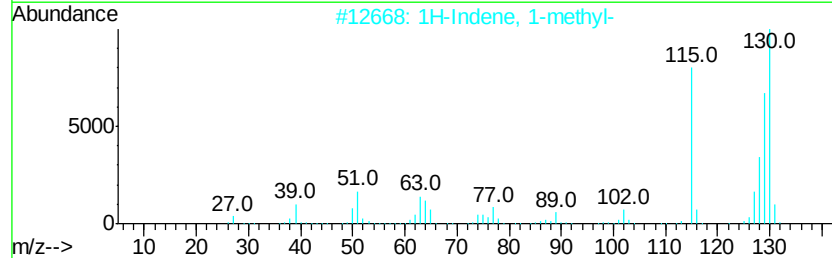
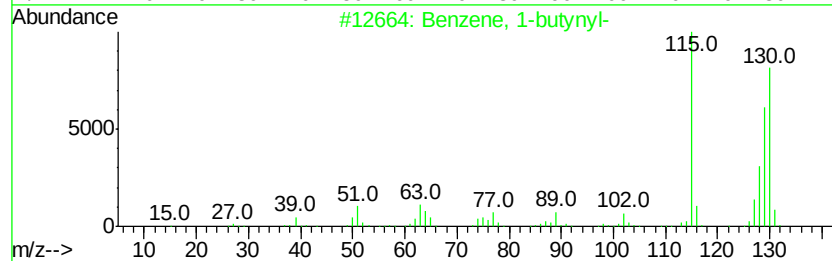
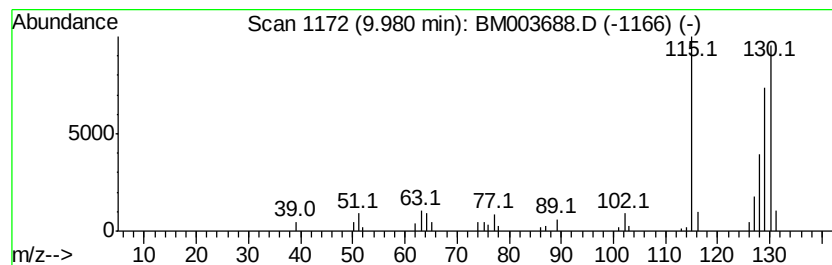
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Benzene, 1-butynyl- Concentration Rank 1

| R.T. | EstConc     | Area   | Relative to ISTD | R.T.  |
|------|-------------|--------|------------------|-------|
| 9.98 | 14.04 ng/ul | 144958 | Napthalene-d8    | 10.48 |

| Hit# | of | Tentative ID                      | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-butynyl-               | 130 | C10H10  | 000622-76-4 | 94   |
| 2    |    | 1H-Indene, 1-methyl-              | 130 | C10H10  | 000767-59-9 | 94   |
| 3    |    | Benzene,1-methyl-1,2-propadienyl- | 130 | C10H10  | 022433-39-2 | 93   |
| 4    |    | Benzene, 1-butynyl-               | 130 | C10H10  | 000622-76-4 | 93   |
| 5    |    | 1H-Indene, 1-methyl-              | 130 | C10H10  | 000767-59-9 | 92   |



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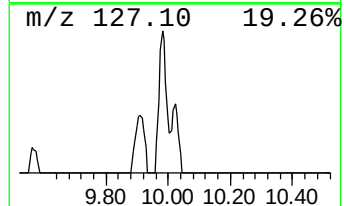
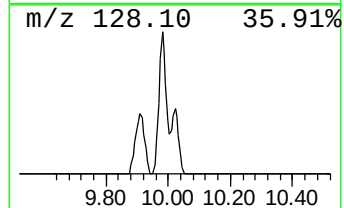
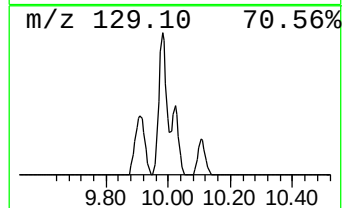
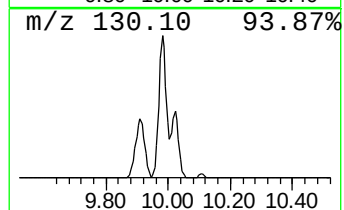
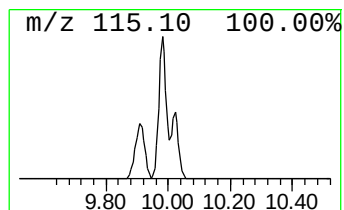
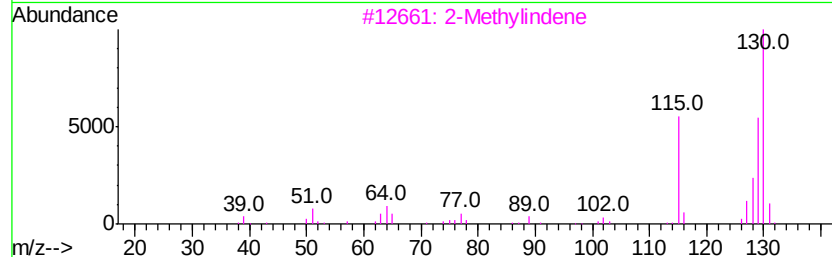
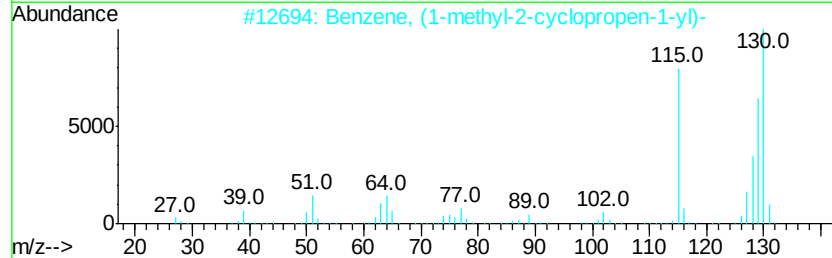
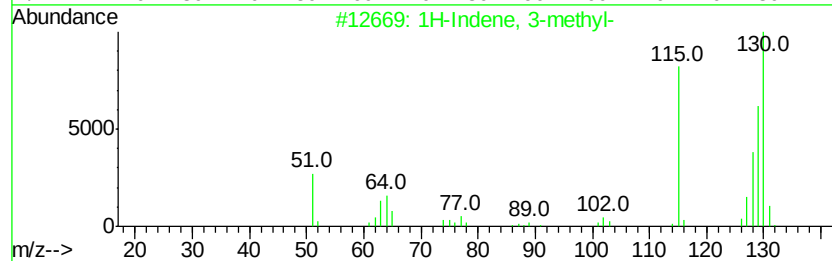
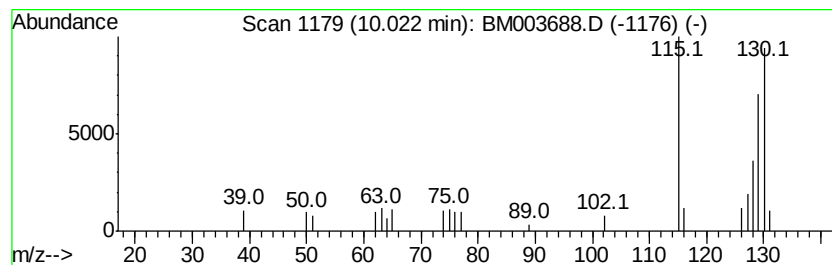
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Peak Number 3 1H-Indene, 3-methyl- Concentration Rank 3

| R.T.      | EstConc                             | Area  | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|-------|------------------|-------------|------|
| 10.02     | 5.63 ng/ul                          | 58108 | Naphthalene-d8   | 10.48       |      |
| Hit# of 5 | Tentative ID                        | MW    | MolForm          | CAS#        | Qual |
| 1         | 1H-Indene, 3-methyl-                | 130   | C10H10           | 000767-60-2 | 87   |
| 2         | Benzene, (1-methyl-2-cyclopropen... | 130   | C10H10           | 065051-83-4 | 76   |
| 3         | 2-Methylindene                      | 130   | C10H10           | 002177-47-1 | 76   |
| 4         | Benzene, 1-butylnyl-                | 130   | C10H10           | 000622-76-4 | 74   |
| 5         | Benzene, 1-butylnyl-                | 130   | C10H10           | 000622-76-4 | 68   |



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Quant Title : SVOA CALIBRATION

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| 2-Methylindene       | 9.91  | 6.5     | ng/ul | 67401    | 2                     | 10.48 | 206431 | 20.0 |
| Benzene, 1-butyryl-  | 9.98  | 14.0    | ng/ul | 144958   | 2                     | 10.48 | 206431 | 20.0 |
| 1H-Indene, 3-methyl- | 10.02 | 5.6     | ng/ul | 58108    | 2                     | 10.48 | 206431 | 20.0 |