

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM050516\  
 Data File : BM005272.D  
 Acq On : 06 May 2016 16:30  
 Operator : UM/SJ  
 Sample : H2813-11DL 10X  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BC7T1DL

## 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-BM050516.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         | 7.110       | 747           | 752         | 761          | rBV      | 16509          | 28248         | 1.07%           | 0.181%        |
| 2         | 7.775       | 858           | 865         | 877          | rBV      | 288781         | 480838        | 18.17%          | 3.082%        |
| 3         | 8.140       | 921           | 927         | 934          | rVB      | 28152          | 44792         | 1.69%           | 0.287%        |
| 4         | 8.304       | 949           | 955         | 964          | rBV      | 45948          | 74628         | 2.82%           | 0.478%        |
| 5         | 8.934       | 1057          | 1062        | 1073         | rVB2     | 17559          | 33489         | 1.27%           | 0.215%        |
| 6         | 10.192      | 1271          | 1276        | 1286         | rBV      | 18784          | 37174         | 1.40%           | 0.238%        |
| 7         | 10.557      | 1329          | 1338        | 1342         | rBV      | 468069         | 829208        | 31.33%          | 5.314%        |
| 8         | 10.610      | 1342          | 1347        | 1361         | rVV      | 1531118        | 2646942       | 100.00%         | 16.964%       |
| 9         | 10.728      | 1361          | 1367        | 1376         | rVB      | 67162          | 116701        | 4.41%           | 0.748%        |
| 10        | 12.222      | 1615          | 1621        | 1630         | rBV      | 415221         | 652696        | 24.66%          | 4.183%        |
| 11        | 12.445      | 1648          | 1659        | 1669         | rVB      | 212804         | 346414        | 13.09%          | 2.220%        |
| 12        | 13.239      | 1788          | 1794        | 1804         | rVB      | 72077          | 109231        | 4.13%           | 0.700%        |
| 13        | 13.575      | 1846          | 1851        | 1852         | rBV      | 21097          | 28586         | 1.08%           | 0.183%        |
| 14        | 13.727      | 1872          | 1877        | 1882         | rBV      | 39172          | 66584         | 2.52%           | 0.427%        |
| 15        | 13.786      | 1882          | 1887        | 1889         | rVV2     | 26212          | 36915         | 1.39%           | 0.237%        |
| 16        | 13.822      | 1889          | 1893        | 1901         | rVB      | 77802          | 108367        | 4.09%           | 0.695%        |
| 17        | 14.104      | 1935          | 1941        | 1954         | rVB2     | 83355          | 145880        | 5.51%           | 0.935%        |
| 18        | 14.416      | 1985          | 1994        | 2000         | rBV2     | 802539         | 1294413       | 48.90%          | 8.296%        |
| 19        | 14.475      | 2000          | 2004        | 2012         | rVV      | 268018         | 388775        | 14.69%          | 2.492%        |
| 20        | 14.551      | 2012          | 2017        | 2026         | rVB      | 25141          | 37408         | 1.41%           | 0.240%        |
| 21        | 14.810      | 2056          | 2061        | 2072         | rBV      | 205077         | 306871        | 11.59%          | 1.967%        |
| 22        | 15.410      | 2157          | 2163        | 2167         | rBV      | 130761         | 185932        | 7.02%           | 1.192%        |
| 23        | 15.463      | 2167          | 2172        | 2178         | rVB      | 226254         | 315912        | 11.93%          | 2.025%        |
| 24        | 15.904      | 2243          | 2247        | 2257         | rVB      | 16173          | 28717         | 1.08%           | 0.184%        |
| 25        | 16.980      | 2426          | 2430        | 2437         | rVB      | 19335          | 27345         | 1.03%           | 0.175%        |
| 26        | 17.163      | 2454          | 2461        | 2465         | rBV      | 1147989        | 1685420       | 63.67%          | 10.802%       |
| 27        | 17.204      | 2465          | 2468        | 2473         | rVB      | 372235         | 487108        | 18.40%          | 3.122%        |
| 28        | 17.257      | 2473          | 2477        | 2482         | rBV      | 138923         | 200449        | 7.57%           | 1.285%        |
| 29        | 17.568      | 2525          | 2530        | 2540         | rBV      | 75786          | 103393        | 3.91%           | 0.663%        |
| 30        | 18.233      | 2638          | 2643        | 2647         | rBV3     | 18309          | 27436         | 1.04%           | 0.176%        |
| 31        | 19.221      | 2806          | 2811        | 2816         | rVB      | 53556          | 69334         | 2.62%           | 0.444%        |
| 32        | 19.557      | 2863          | 2868        | 2881         | rBV3     | 198787         | 310746        | 11.74%          | 1.992%        |
| 33        | 21.356      | 3168          | 3174        | 3183         | rBV      | 1669026        | 2139042       | 80.81%          | 13.709%       |
| 34        | 23.480      | 3530          | 3535        | 3546         | rVB2     | 123630         | 234371        | 8.85%           | 1.502%        |

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ALS Vial : 11 Sample Multiplier: 1

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ClientSampleId :  
BC7T1DL

Integration Parameters: LSCINT.P  
Integrator: RTE  
Smoothing : OFF Filtering: 5  
Sampling : 1 Min Area: 1 % of largest Peak  
Start Thrs: 0.2 Max Peaks: 100  
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
Peak separation: 5

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|    |        |      |      |      |     |         |         |        |         |
|----|--------|------|------|------|-----|---------|---------|--------|---------|
| 35 | 23.633 | 3553 | 3561 | 3570 | rBV | 1006522 | 1973744 | 74.57% | 12.650% |
|----|--------|------|------|------|-----|---------|---------|--------|---------|

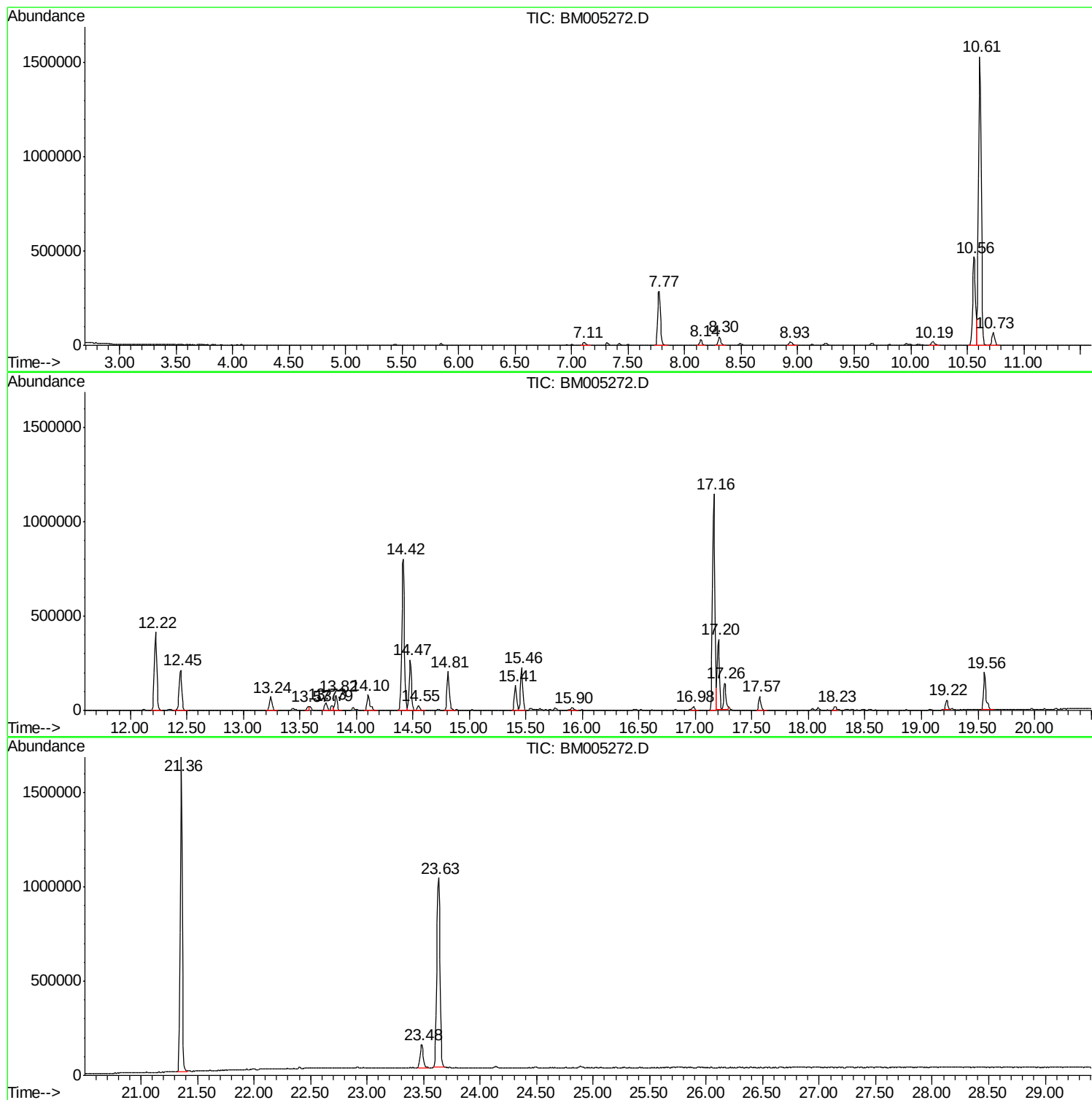
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ClientSampled :  
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Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM050516.M  
Quant Title : SVOA CALIBRATION

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



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Instrument :  
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ClientSampleId :  
BC7T1DL

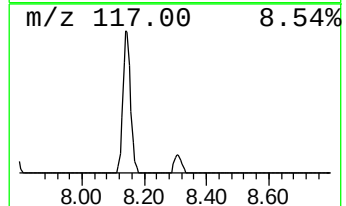
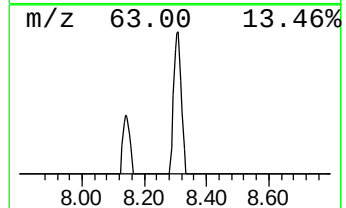
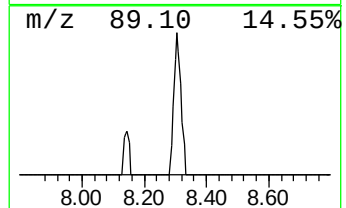
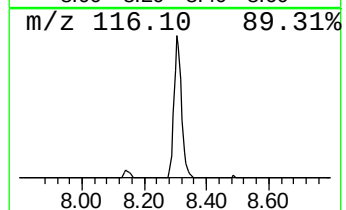
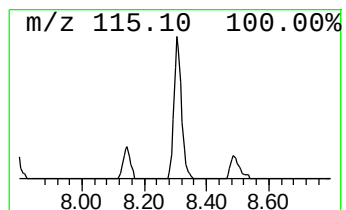
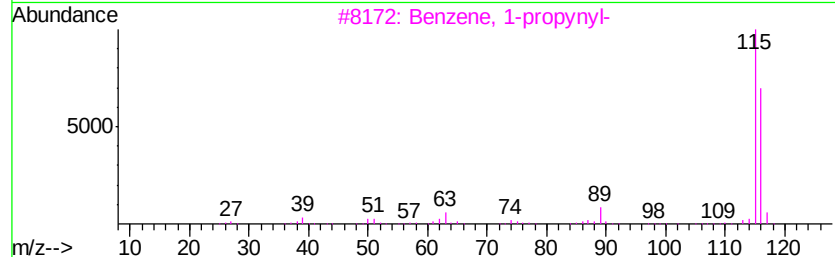
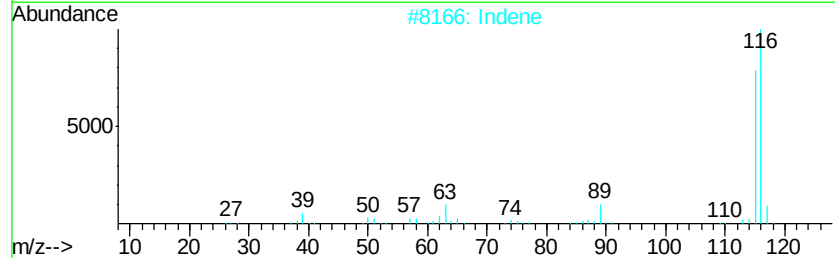
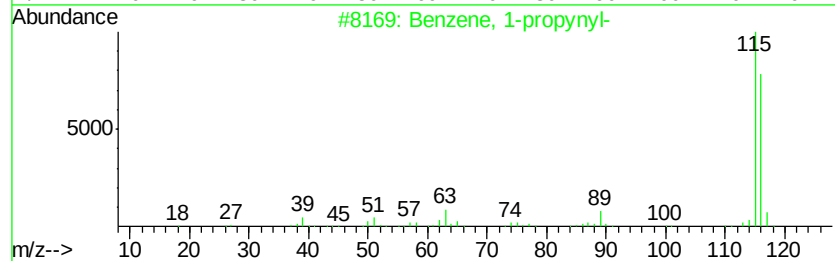
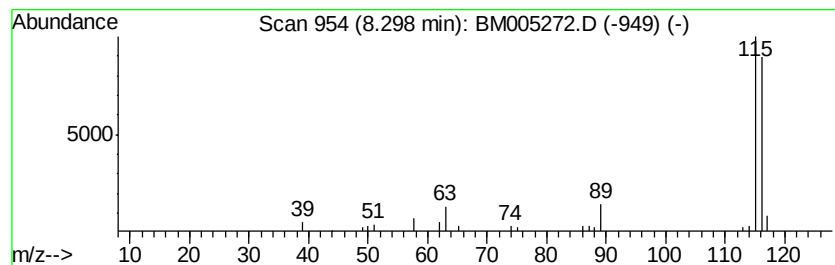
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM050516.M  
Quant Title : SVOA CALIBRATION

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

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

| R.T. | EstConc    | Area  | Relative to ISTD       | R.T. |
|------|------------|-------|------------------------|------|
| 8.30 | 3.10 ng/ul | 74628 | 1,4-Dichlorobenzene-d4 | 7.77 |

| Hit# | of | 5 | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-propynyl-         | 116 | C9H8    | 000673-32-5 | 91   |
| 2    |    |   | Indene                       | 116 | C9H8    | 000095-13-6 | 91   |
| 3    |    |   | Benzene, 1-propynyl-         | 116 | C9H8    | 000673-32-5 | 91   |
| 4    |    |   | Benzene, 1-ethynyl-4-methyl- | 116 | C9H8    | 000766-97-2 | 91   |
| 5    |    |   | Benzene, 1-propynyl-         | 116 | C9H8    | 000673-32-5 | 91   |



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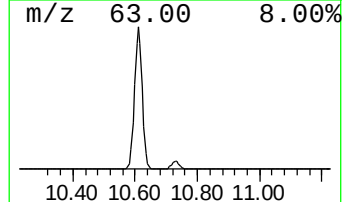
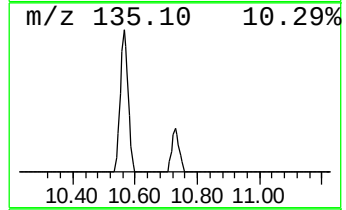
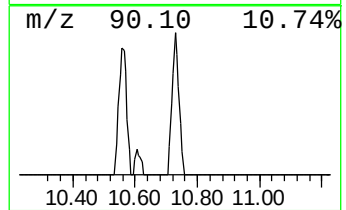
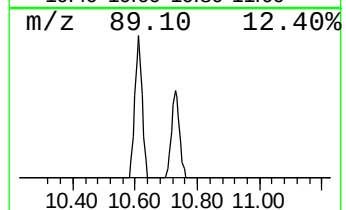
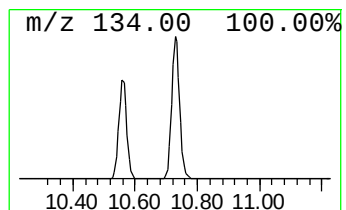
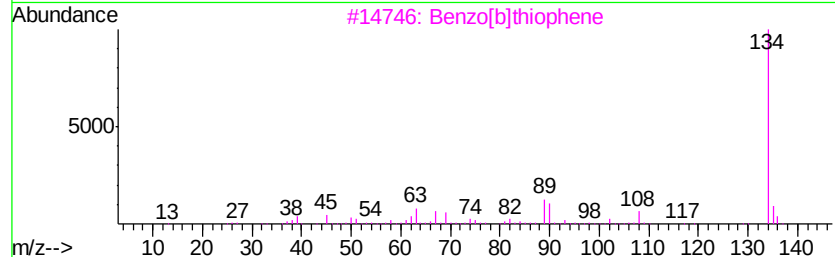
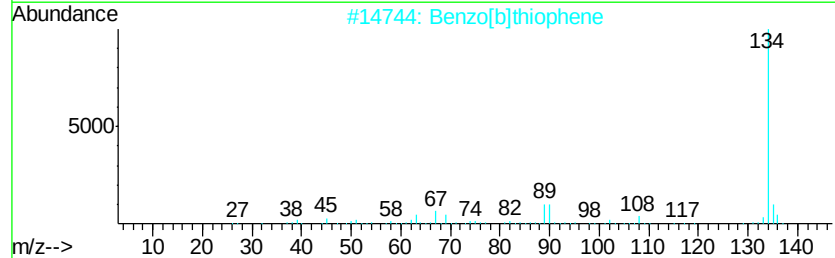
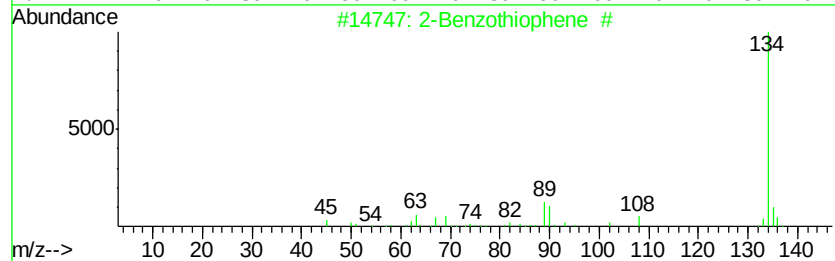
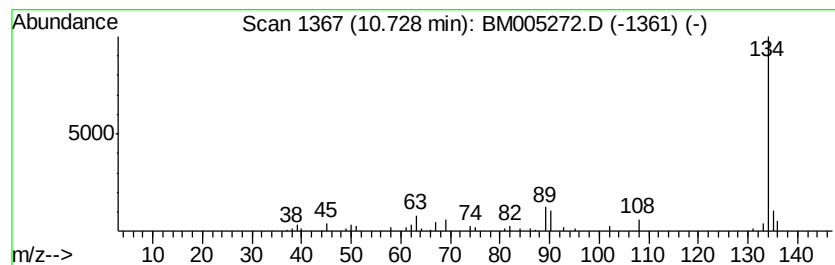
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TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 2-Benzothiophene # Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 10.73 | 2.81 ng/ul | 116701 | Napthalene-d8    | 10.56 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------|-----|---------|-------------|------|
| 1    | 5  | 2-Benzothiophene #     | 134 | C8H6S   | 000270-82-6 | 97   |
| 2    |    | Benzo[b]thiophene      | 134 | C8H6S   | 000095-15-8 | 95   |
| 3    |    | Benzo[b]thiophene      | 134 | C8H6S   | 000095-15-8 | 95   |
| 4    |    | Benzo[b]thiophene      | 134 | C8H6S   | 000095-15-8 | 94   |
| 5    |    | Cyclopenta[c]thiapyran | 134 | C8H6S   | 000270-63-3 | 93   |



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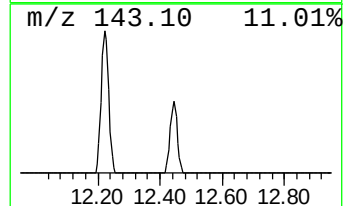
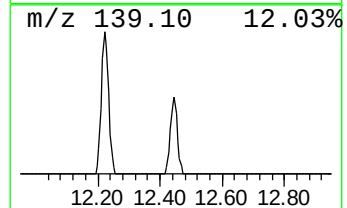
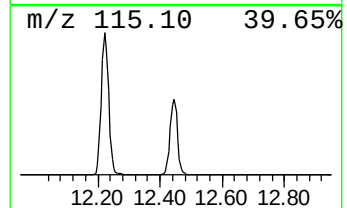
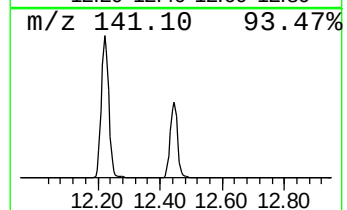
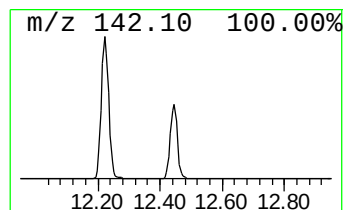
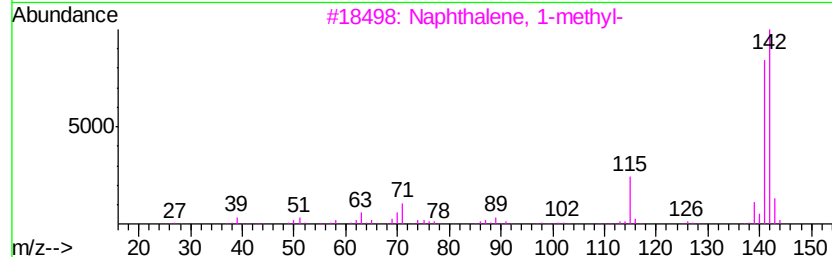
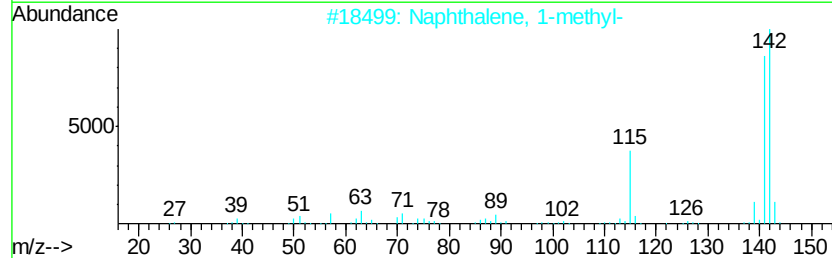
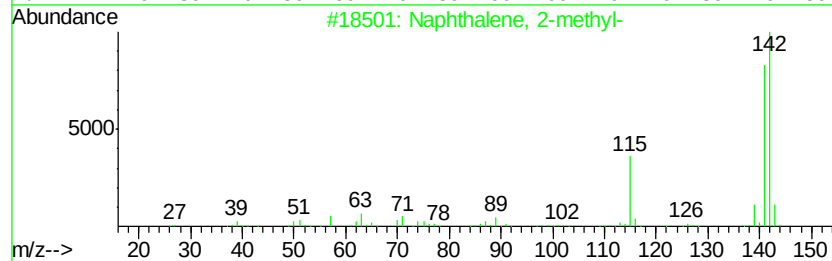
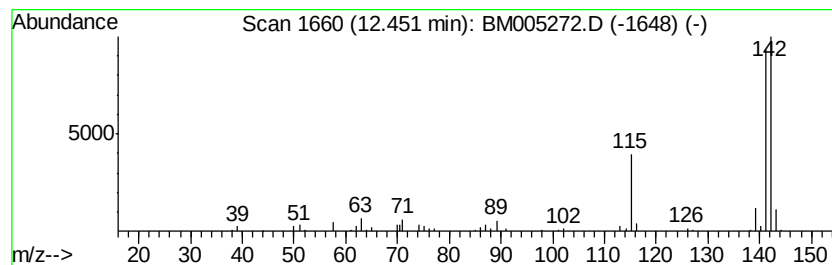
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ClientSampleId :  
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Quant Title : SVOA CALIBRATION

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

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Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 1

| R.T.    | EstConc    | Area                                | Relative to ISTD | R.T.    |             |      |
|---------|------------|-------------------------------------|------------------|---------|-------------|------|
| 12.45   | 8.36 ng/ul | 346414                              | Naphthalene-d8   | 10.56   |             |      |
| Hit# of | 5          | Tentative ID                        | MW               | MolForm | CAS#        | Qual |
| 1       |            | Naphthalene, 2-methyl-              | 142              | C11H10  | 000091-57-6 | 96   |
| 2       |            | Naphthalene, 1-methyl-              | 142              | C11H10  | 000090-12-0 | 96   |
| 3       |            | Naphthalene, 1-methyl-              | 142              | C11H10  | 000090-12-0 | 94   |
| 4       |            | 1,4-Methanonaphthalene, 1,4-dihy... | 142              | C11H10  | 004453-90-1 | 94   |
| 5       |            | Benzocycloheptatriene               | 142              | C11H10  | 000264-09-5 | 91   |



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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 |
| Benzene, 1-propynyl- | 8.30  | 3.1     | ng/ul | 74628    | 1                     | 7.77  | 480838 | 20.0 |
| 2-Benzothiophene #   | 10.73 | 2.8     | ng/ul | 116701   | 2                     | 10.56 | 829208 | 20.0 |
| Naphthalene, 1-me... | 12.45 | 8.4     | ng/ul | 346414   | 2                     | 10.56 | 829208 | 20.0 |