

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112119\  
 Data File : BM023850.D  
 Acq On : 22 Nov 2019 04:20  
 Operator : JU  
 Sample : K5800-09  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BFPX5

## 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-BM111119MA.M  
 Title : SVOA CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|--------|----------|------------|----------|-----------|-------|-------------|------------|--------------|------------|
| 1      | 2.934    | 6          | 8        | 11        | rVB2  | 52713       | 50815      | 1.07%        | 0.231%     |
| 2      | 2.975    | 11         | 15       | 25        | rVB   | 735543      | 793760     | 16.72%       | 3.604%     |
| 3      | 3.275    | 62         | 66       | 68        | rBV   | 141866      | 168336     | 3.54%        | 0.764%     |
| 4      | 3.299    | 68         | 70       | 76        | rVB2  | 142314      | 160861     | 3.39%        | 0.730%     |
| 5      | 3.528    | 106        | 109      | 113       | rBV   | 29966       | 37854      | 0.80%        | 0.172%     |
| 6      | 3.622    | 119        | 125      | 129       | rBV   | 39730       | 55363      | 1.17%        | 0.251%     |
| 7      | 3.669    | 129        | 133      | 140       | rVV2  | 83928       | 128221     | 2.70%        | 0.582%     |
| 8      | 3.763    | 144        | 149      | 158       | rVB2  | 81593       | 127499     | 2.68%        | 0.579%     |
| 9      | 3.875    | 160        | 168      | 172       | rVB   | 69210       | 103932     | 2.19%        | 0.472%     |
| 10     | 4.293    | 235        | 239      | 247       | rVB2  | 42931       | 73208      | 1.54%        | 0.332%     |
| 11     | 4.393    | 253        | 256      | 262       | rVB   | 31484       | 39236      | 0.83%        | 0.178%     |
| 12     | 4.499    | 269        | 274      | 282       | rBV2  | 52104       | 81223      | 1.71%        | 0.369%     |
| 13     | 4.593    | 285        | 290      | 297       | rVB   | 134849      | 177824     | 3.74%        | 0.807%     |
| 14     | 4.910    | 339        | 344      | 351       | rBV4  | 26189       | 39375      | 0.83%        | 0.179%     |
| 15     | 5.005    | 355        | 360      | 362       | rBV4  | 21673       | 35377      | 0.74%        | 0.161%     |
| 16     | 5.328    | 411        | 415      | 422       | rVB3  | 18596       | 37830      | 0.80%        | 0.172%     |
| 17     | 5.534    | 446        | 450      | 460       | rVB3  | 25983       | 55391      | 1.17%        | 0.251%     |
| 18     | 5.805    | 492        | 496      | 501       | rBV4  | 24687       | 36429      | 0.77%        | 0.165%     |
| 19     | 6.528    | 616        | 619      | 625       | rVB2  | 23961       | 35097      | 0.74%        | 0.159%     |
| 20     | 6.752    | 653        | 657      | 665       | rVB6  | 23996       | 43336      | 0.91%        | 0.197%     |
| 21     | 7.169    | 723        | 728      | 733       | rVB   | 40036       | 59579      | 1.25%        | 0.271%     |
| 22     | 7.516    | 780        | 787      | 798       | rBV   | 1712091     | 2700227    | 56.86%       | 12.260%    |
| 23     | 9.481    | 1116       | 1121     | 1129      | rBV9  | 22963       | 50591      | 1.07%        | 0.230%     |
| 24     | 9.692    | 1151       | 1157     | 1168      | rBV8  | 21308       | 64363      | 1.36%        | 0.292%     |
| 25     | 9.992    | 1203       | 1208     | 1213      | rBV6  | 25348       | 43089      | 0.91%        | 0.196%     |
| 26     | 10.292   | 1248       | 1259     | 1271      | rBV   | 2220453     | 3735338    | 78.66%       | 16.960%    |
| 27     | 10.792   | 1338       | 1344     | 1348      | rVB4  | 31957       | 50874      | 1.07%        | 0.231%     |
| 28     | 10.975   | 1373       | 1375     | 1383      | rVB4  | 31259       | 60364      | 1.27%        | 0.274%     |
| 29     | 11.122   | 1397       | 1400     | 1408      | rBV9  | 15912       | 36613      | 0.77%        | 0.166%     |
| 30     | 11.345   | 1433       | 1438     | 1442      | rBV8  | 38913       | 76139      | 1.60%        | 0.346%     |
| 31     | 11.592   | 1476       | 1480     | 1489      | rVB6  | 44618       | 100677     | 2.12%        | 0.457%     |
| 32     | 12.045   | 1553       | 1557     | 1561      | rBV5  | 39595       | 73081      | 1.54%        | 0.332%     |
| 33     | 12.239   | 1587       | 1590     | 1599      | rVB5  | 53322       | 90956      | 1.92%        | 0.413%     |
| 34     | 12.369   | 1608       | 1612     | 1615      | rBV6  | 21656       | 41432      | 0.87%        | 0.188%     |

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|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 35 | 12.598 | 1647 | 1651 | 1657 | rBV5 | 59502   | 93803   | 1.98%   | 0.426%  |
| 36 | 12.722 | 1669 | 1672 | 1676 | rVB  | 55860   | 67471   | 1.42%   | 0.306%  |
| 37 | 12.769 | 1676 | 1680 | 1683 | rBV4 | 57200   | 85910   | 1.81%   | 0.390%  |
| 38 | 12.951 | 1708 | 1711 | 1714 | rBV3 | 47810   | 63815   | 1.34%   | 0.290%  |
| 39 | 12.986 | 1715 | 1717 | 1723 | rVB5 | 52027   | 76187   | 1.60%   | 0.346%  |
| 40 | 13.104 | 1735 | 1737 | 1742 | rVB6 | 37990   | 49952   | 1.05%   | 0.227%  |
| 41 | 13.598 | 1816 | 1821 | 1826 | rBV  | 269326  | 408990  | 8.61%   | 1.857%  |
| 42 | 13.686 | 1833 | 1836 | 1840 | rBV2 | 104113  | 120233  | 2.53%   | 0.546%  |
| 43 | 13.951 | 1878 | 1881 | 1887 | rVB3 | 102132  | 145159  | 3.06%   | 0.659%  |
| 44 | 14.010 | 1887 | 1891 | 1896 | rBV  | 224249  | 290554  | 6.12%   | 1.319%  |
| 45 | 14.180 | 1911 | 1920 | 1930 | rVB  | 3055061 | 4748694 | 100.00% | 21.561% |
| 46 | 14.727 | 2010 | 2013 | 2018 | rVB5 | 124899  | 164730  | 3.47%   | 0.748%  |
| 47 | 14.974 | 2051 | 2055 | 2062 | rBV2 | 266876  | 396672  | 8.35%   | 1.801%  |
| 48 | 15.951 | 2218 | 2221 | 2226 | rVB  | 558921  | 764788  | 16.11%  | 3.472%  |
| 49 | 16.774 | 2358 | 2361 | 2366 | rVB  | 707403  | 955383  | 20.12%  | 4.338%  |
| 50 | 16.933 | 2383 | 2388 | 2393 | rBV  | 2901039 | 4128132 | 86.93%  | 18.743% |

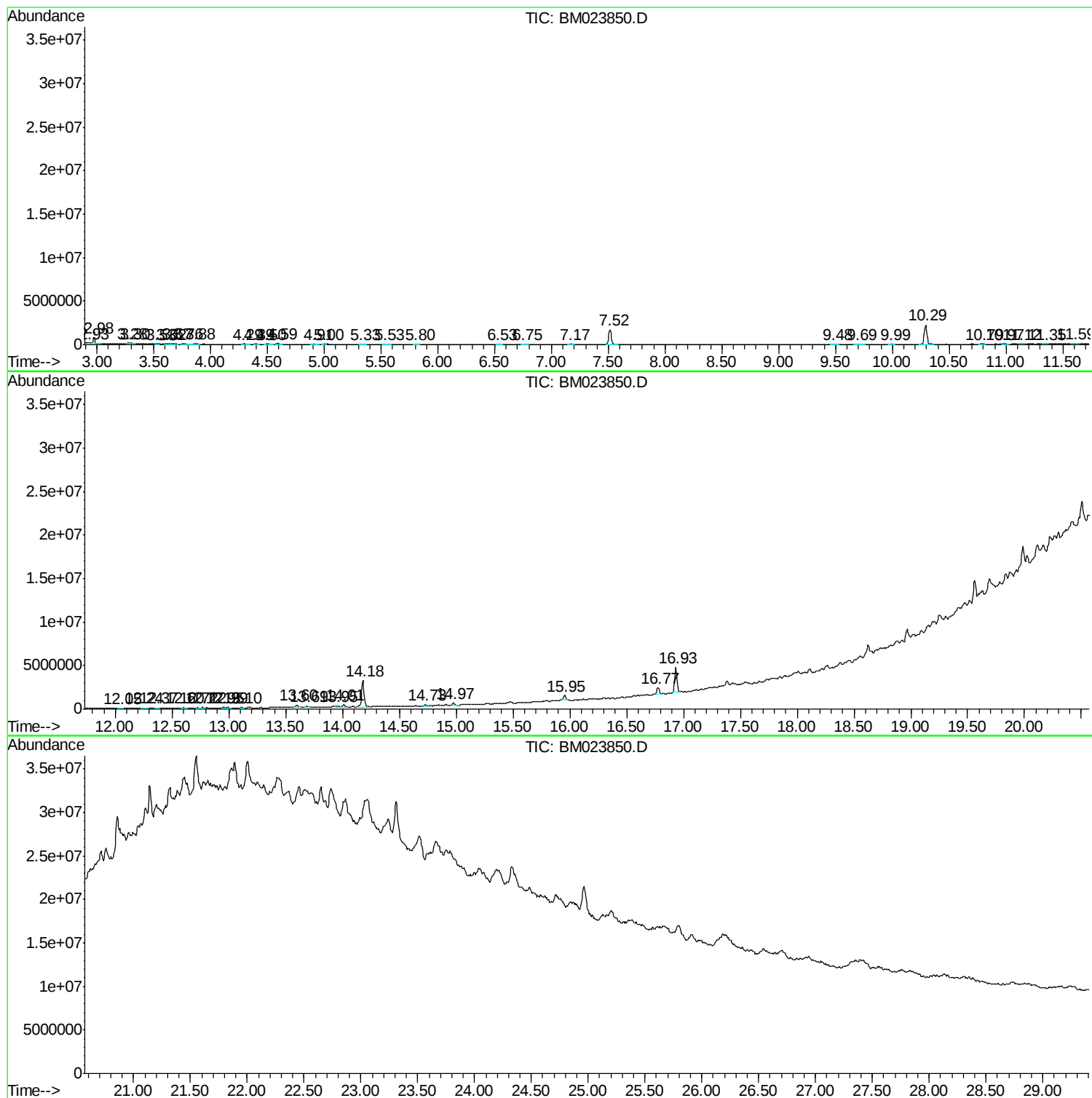
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM111119MA.M  
Quant Title : SVOA CALIBRATION

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



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM111119MA.M  
Quant Title : SVOA CALIBRATION

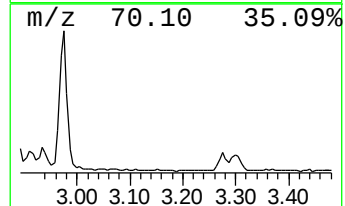
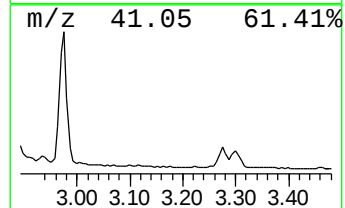
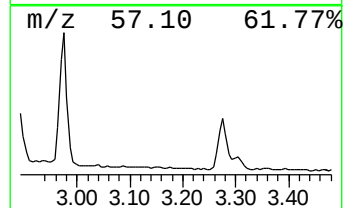
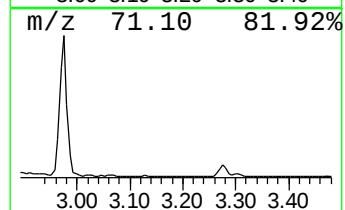
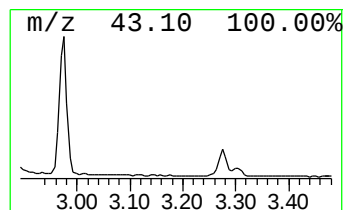
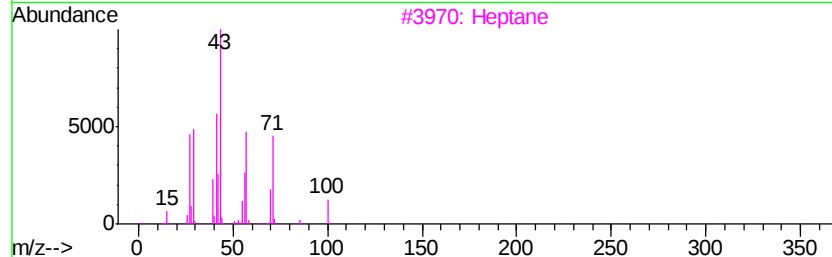
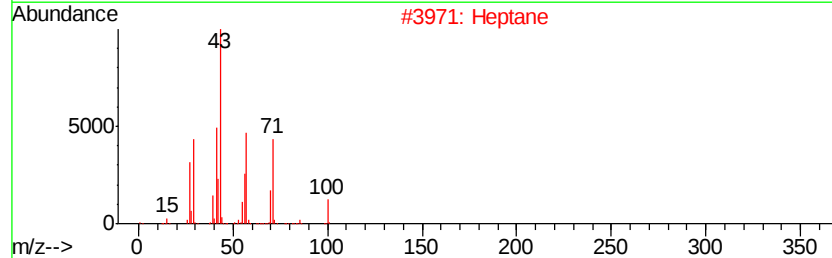
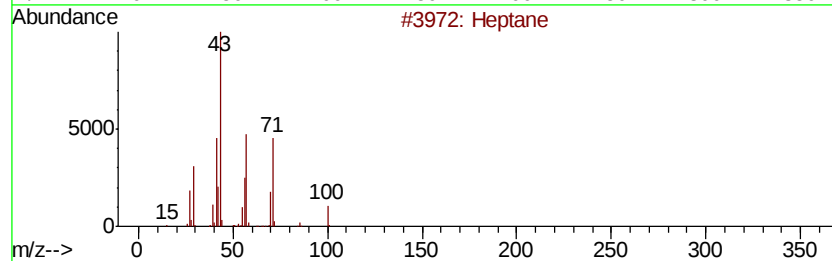
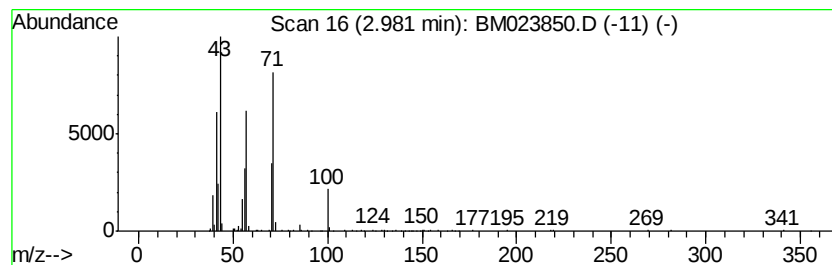
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 1

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T. |
|------|------------|--------|------------------------|------|
| 2.98 | 5.88 ng/ul | 793760 | 1,4-Dichlorobenzene-d4 | 7.52 |

| Hit# | of | Tentative ID  | MW  | MolForm | CAS#        | Qual |
|------|----|---------------|-----|---------|-------------|------|
| 1    | 5  | Heptane       | 100 | C7H16   | 000142-82-5 | 91   |
| 2    |    | Heptane       | 100 | C7H16   | 000142-82-5 | 91   |
| 3    |    | Heptane       | 100 | C7H16   | 000142-82-5 | 90   |
| 4    |    | Heptane       | 100 | C7H16   | 000142-82-5 | 64   |
| 5    |    | 2-Bromononane | 206 | C9H19Br | 002216-35-5 | 59   |



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Quant Title : SVOA CALIBRATION

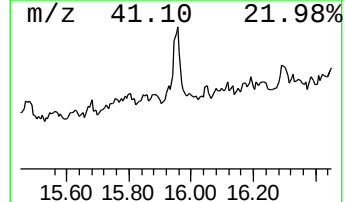
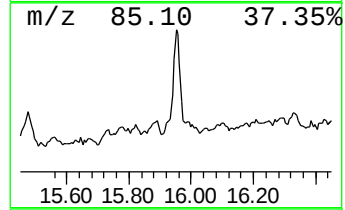
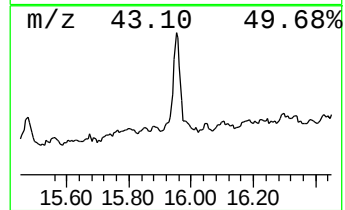
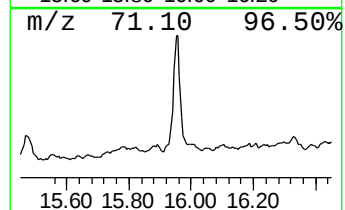
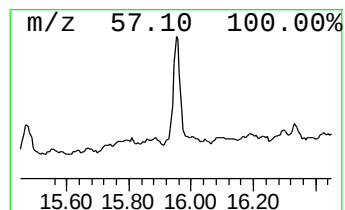
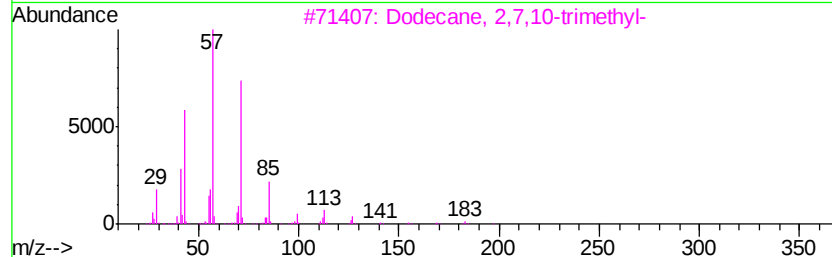
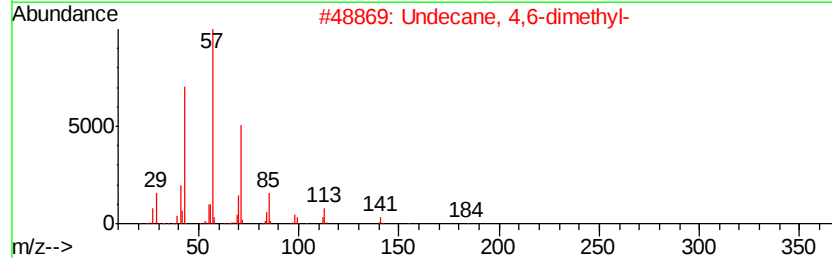
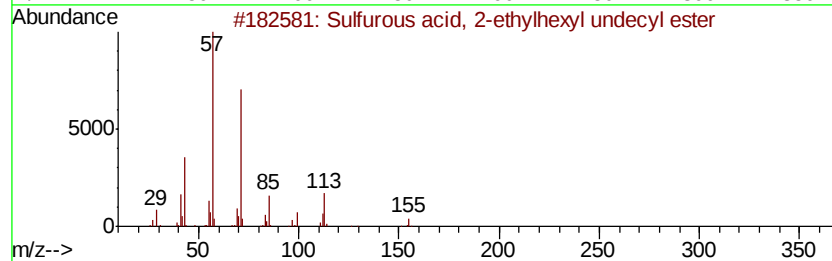
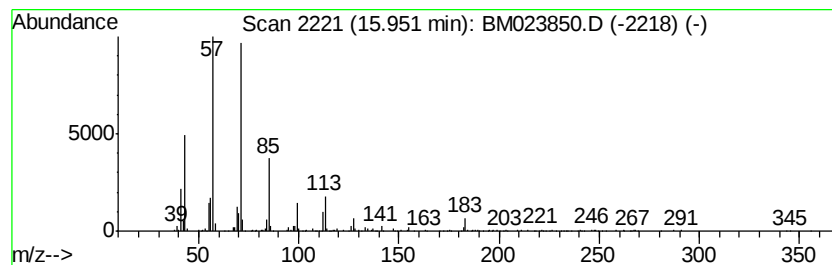
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Sulfurous acid, 2-ethylhexy... Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 15.95 | 3.71 ng/ul | 764788 | Phenanthrene-d10 | 16.93 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Sulfurous acid, 2-ethylhexyl und... | 348 | C19H40O3S | 1000309-19-4 | 80   |
| 2    |    | Undecane, 4,6-dimethyl-             | 184 | C13H28    | 017312-82-2  | 78   |
| 3    |    | Dodecane, 2,7,10-trimethyl-         | 212 | C15H32    | 074645-98-0  | 72   |
| 4    |    | Hexadecane                          | 226 | C16H34    | 000544-76-3  | 64   |
| 5    |    | Octane, 2,6-dimethyl-               | 142 | C10H22    | 002051-30-1  | 64   |



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Quant Title : SVOA CALIBRATION

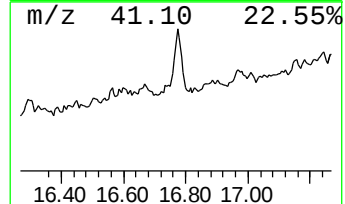
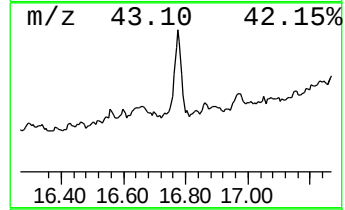
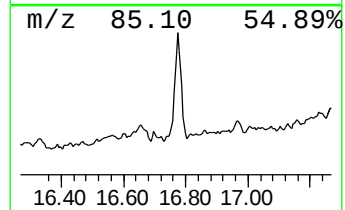
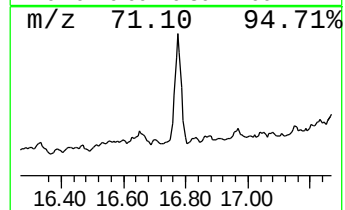
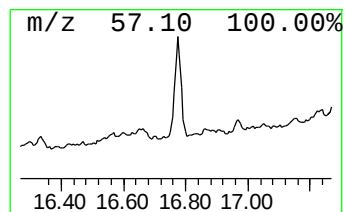
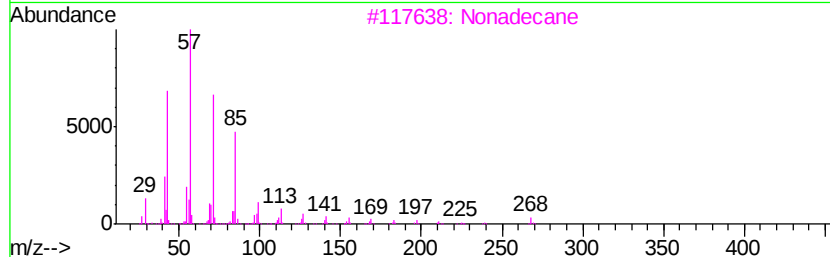
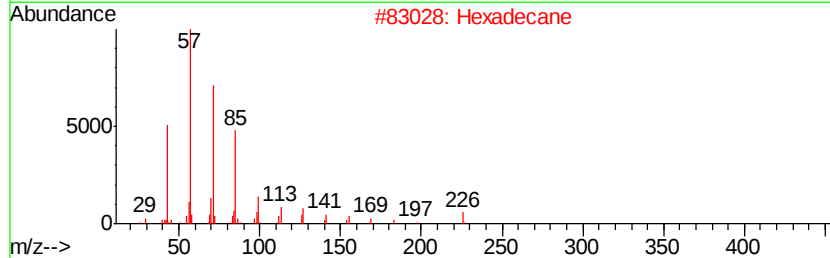
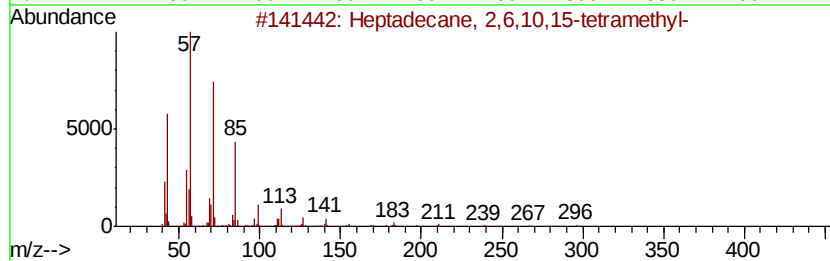
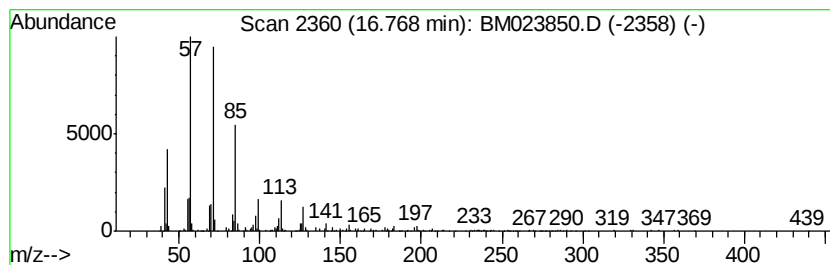
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Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 16.77 | 4.63 ng/ul | 955383 | Phenanthrene-d10 | 16.93 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44  | 054833-48-6 | 86   |
| 2    |    | Hexadecane                          | 226 | C16H34  | 000544-76-3 | 86   |
| 3    |    | Nonadecane                          | 268 | C19H40  | 000629-92-5 | 80   |
| 4    |    | Tetracosane                         | 338 | C24H50  | 000646-31-1 | 80   |
| 5    |    | Heptacosane                         | 380 | C27H56  | 000593-49-7 | 72   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| (DEL) Alkane: Str... | 2.98  | 5.9     | ng/ul | 793760   | 1                     | 7.52  | 2700230 | 20.0 |
| Sulfurous acid, 2... | 15.95 | 3.7     | ng/ul | 764788   | 4                     | 16.93 | 4128130 | 20.0 |
| (DEL) Alkane: Str... | 16.77 | 4.6     | ng/ul | 955383   | 4                     | 16.93 | 4128130 | 20.0 |