

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA\_M\DATA\BM012318\  
 Data File : BM013742.D  
 Acq On : 23 Jan 2018 21:58  
 Operator : SJ/JU  
 Sample : J1220-12  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 F6A14

## 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\SOM-EPA-BM011018.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      | 3.157    | 26         | 29       | 34        | rVB   | 34968       | 41971      | 1.11%        | 0.100%     |
| 2      | 6.792    | 640        | 647      | 658       | rBV2  | 636785      | 1241908    | 32.97%       | 2.958%     |
| 3      | 6.951    | 668        | 674      | 684       | rBV   | 512917      | 775745     | 20.59%       | 1.848%     |
| 4      | 7.145    | 700        | 707      | 715       | rBV   | 709106      | 1129781    | 29.99%       | 2.691%     |
| 5      | 7.604    | 779        | 785      | 795       | rBV   | 571440      | 928553     | 24.65%       | 2.212%     |
| 6      | 8.322    | 900        | 907      | 924       | rVB   | 807739      | 1386934    | 36.82%       | 3.304%     |
| 7      | 8.763    | 973        | 982      | 995       | rBV   | 693035      | 1148786    | 30.49%       | 2.736%     |
| 8      | 8.892    | 998        | 1004     | 1010      | rVV4  | 23307       | 38739      | 1.03%        | 0.092%     |
| 9      | 9.481    | 1097       | 1104     | 1113      | rBV   | 577725      | 999662     | 26.54%       | 2.381%     |
| 10     | 10.016   | 1188       | 1195     | 1207      | rBV   | 808466      | 1453308    | 38.58%       | 3.462%     |
| 11     | 10.380   | 1250       | 1257     | 1266      | rVB   | 728801      | 1254714    | 33.31%       | 2.989%     |
| 12     | 10.533   | 1276       | 1283     | 1296      | rBV   | 690506      | 1284905    | 34.11%       | 3.061%     |
| 13     | 13.674   | 1811       | 1817     | 1822      | rBV   | 1454078     | 2044617    | 54.27%       | 4.870%     |
| 14     | 13.721   | 1822       | 1825     | 1833      | rVB   | 590933      | 824593     | 21.89%       | 1.964%     |
| 15     | 13.951   | 1855       | 1864     | 1874      | rBV   | 1677782     | 2486863    | 66.01%       | 5.924%     |
| 16     | 14.168   | 1895       | 1901     | 1906      | rVB3  | 27725       | 39070      | 1.04%        | 0.093%     |
| 17     | 14.257   | 1910       | 1916     | 1925      | rVB2  | 1043859     | 1591821    | 42.25%       | 3.792%     |
| 18     | 14.486   | 1950       | 1955     | 1968      | rBV   | 425228      | 832568     | 22.10%       | 1.983%     |
| 19     | 15.121   | 2056       | 2063     | 2068      | rVB3  | 44060       | 64328      | 1.71%        | 0.153%     |
| 20     | 15.257   | 2080       | 2086     | 2093      | rBV   | 2078594     | 2928491    | 77.74%       | 6.976%     |
| 21     | 15.398   | 2104       | 2110     | 2123      | rBV   | 499558      | 803193     | 21.32%       | 1.913%     |
| 22     | 15.504   | 2123       | 2128     | 2130      | rBV3  | 27896       | 39489      | 1.05%        | 0.094%     |
| 23     | 15.986   | 2206       | 2210     | 2217      | rBV3  | 49769       | 75336      | 2.00%        | 0.179%     |
| 24     | 16.780   | 2340       | 2345     | 2349      | rBV4  | 27689       | 43712      | 1.16%        | 0.104%     |
| 25     | 17.009   | 2378       | 2384     | 2391      | rBV2  | 1309246     | 1857923    | 49.32%       | 4.426%     |
| 26     | 17.109   | 2395       | 2401     | 2412      | rVB2  | 2257397     | 3151301    | 83.65%       | 7.506%     |
| 27     | 17.915   | 2533       | 2538     | 2548      | rBV   | 193732      | 292094     | 7.75%        | 0.696%     |
| 28     | 19.056   | 2727       | 2732     | 2735      | rBV2  | 23483       | 38246      | 1.02%        | 0.091%     |
| 29     | 19.203   | 2753       | 2757     | 2764      | rBV4  | 99843       | 166348     | 4.42%        | 0.396%     |
| 30     | 19.327   | 2770       | 2778     | 2785      | rVB   | 567492      | 738178     | 19.59%       | 1.758%     |
| 31     | 19.415   | 2786       | 2793     | 2802      | rBV   | 2680800     | 3605753    | 95.71%       | 8.589%     |
| 32     | 19.539   | 2811       | 2814     | 2819      | rVB3  | 29890       | 42862      | 1.14%        | 0.102%     |
| 33     | 20.009   | 2890       | 2894     | 2897      | rBV5  | 65338       | 95667      | 2.54%        | 0.228%     |
| 34     | 20.339   | 2946       | 2950     | 2951      | rBV3  | 95932       | 100636     | 2.67%        | 0.240%     |

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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 | 20.827 | 3030 | 3033 | 3035 | rBV3 | 35605   | 39600   | 1.05%   | 0.094% |
| 36 | 20.933 | 3047 | 3051 | 3056 | rBV4 | 207500  | 275177  | 7.30%   | 0.655% |
| 37 | 21.027 | 3065 | 3067 | 3072 | rVB6 | 66726   | 76416   | 2.03%   | 0.182% |
| 38 | 21.209 | 3093 | 3098 | 3106 | rBV  | 1681993 | 2199676 | 58.39%  | 5.240% |
| 39 | 23.274 | 3442 | 3449 | 3460 | rVB2 | 2042617 | 3767180 | 100.00% | 8.973% |
| 40 | 23.409 | 3466 | 3472 | 3479 | rVB2 | 1148159 | 2075096 | 55.08%  | 4.943% |

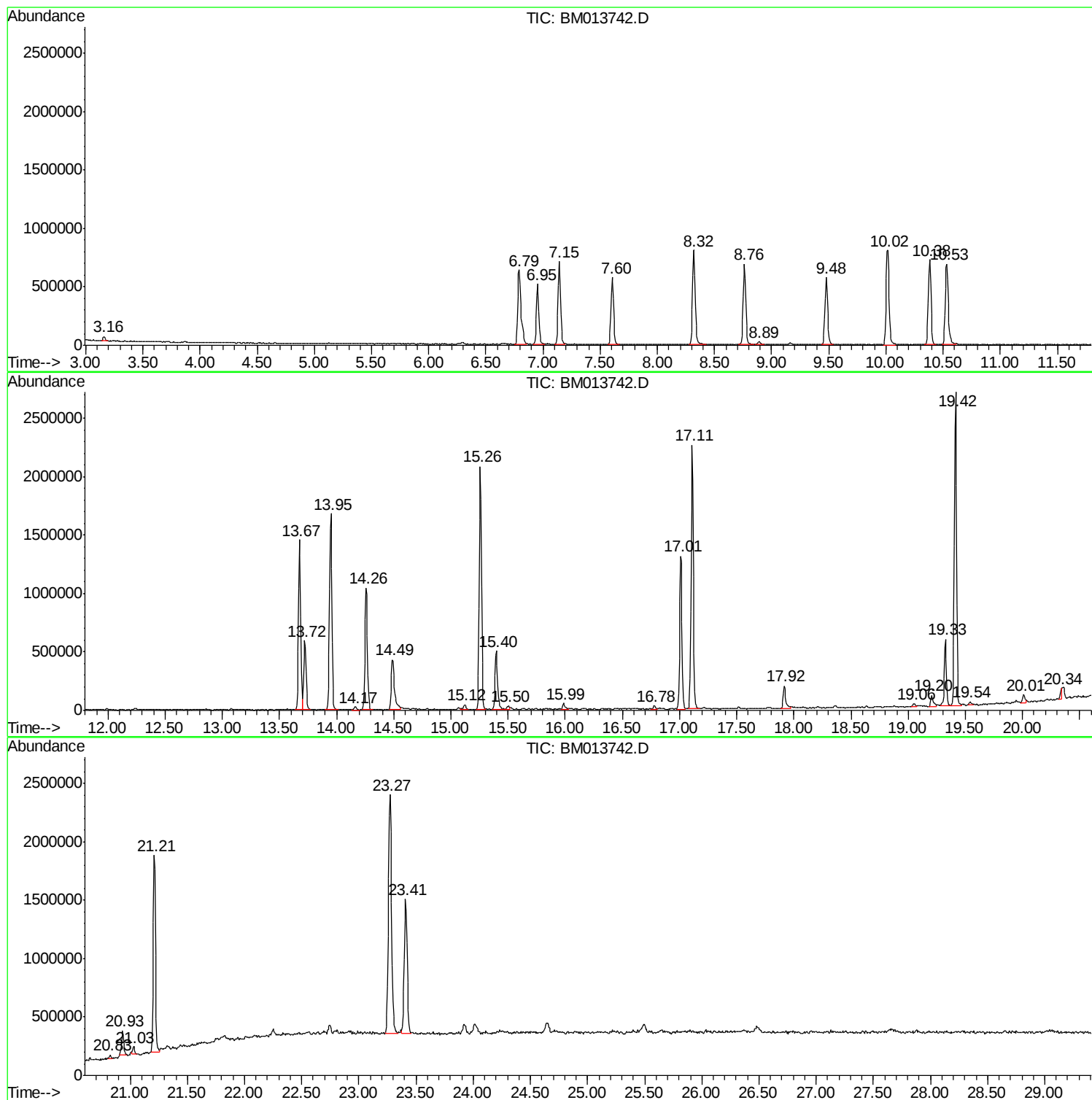
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Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011018.M  
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TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P



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F6A14

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011018.M  
Quant Title : SVOA CALIBRATION

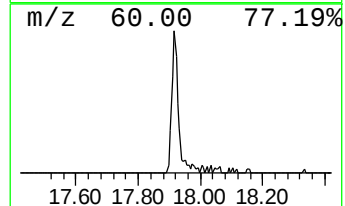
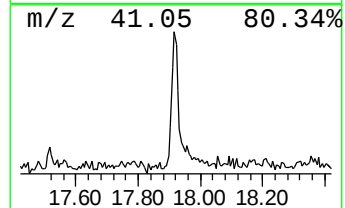
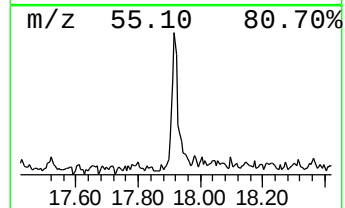
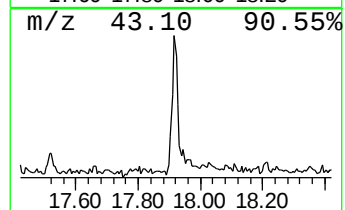
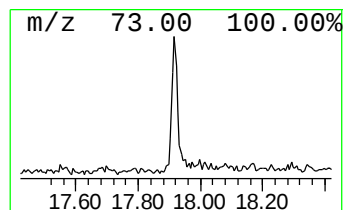
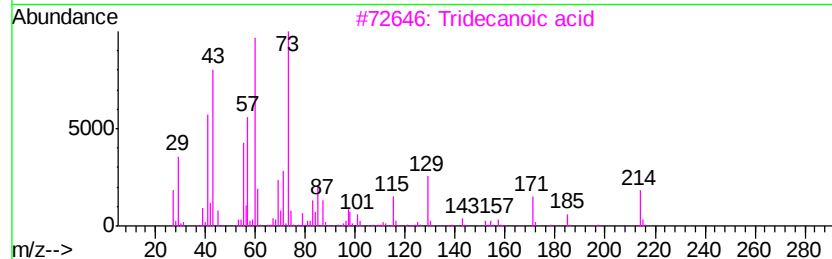
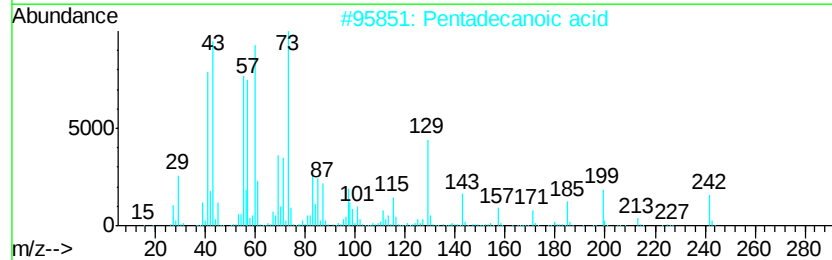
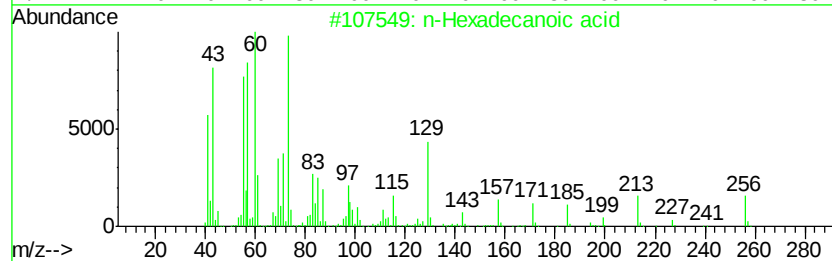
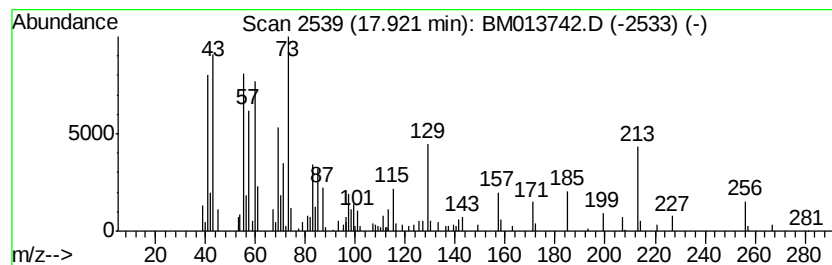
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 n-Hexadecanoic acid Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 17.92 | 3.14 ng/ul | 292094 | Phenanthrene-d10 | 17.01 |

| Hit# of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|---------|---|---------------------|-----|----------|-------------|------|
| 1       |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99   |
| 2       |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 81   |
| 3       |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 81   |
| 4       |   | Octadecanoic acid   | 284 | C18H36O2 | 000057-11-4 | 76   |
| 5       |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 76   |



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Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM011018.M  
Quant Title : SVOA CALIBRATION

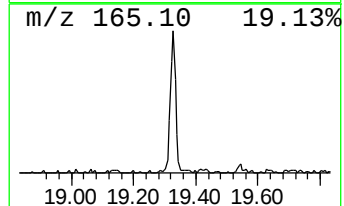
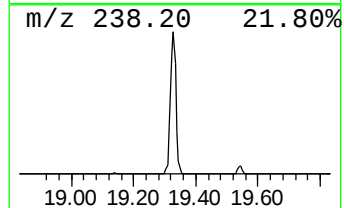
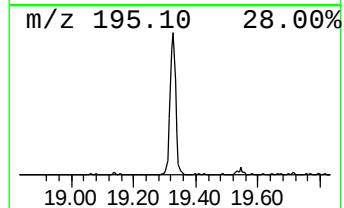
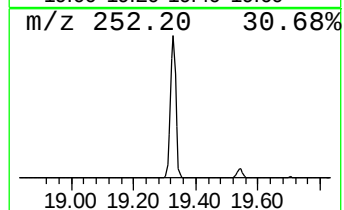
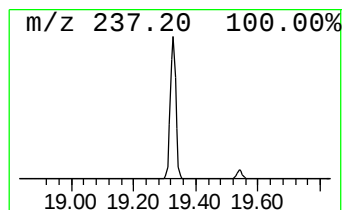
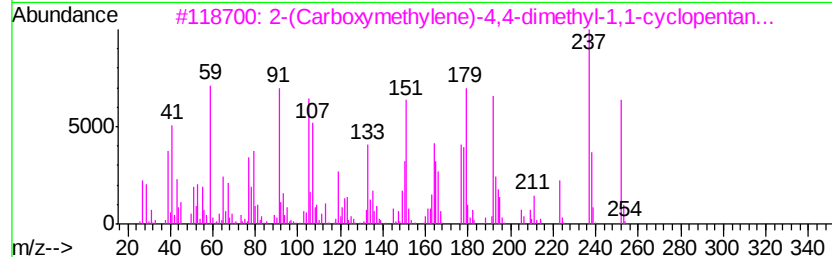
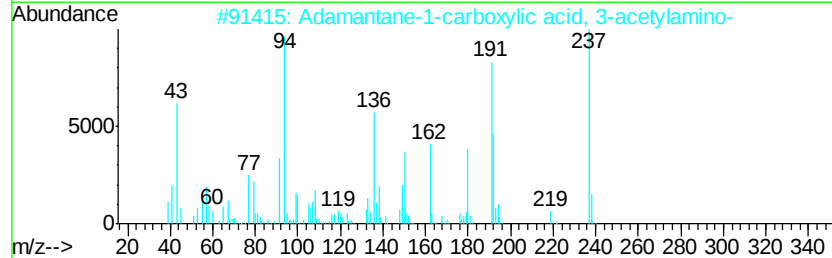
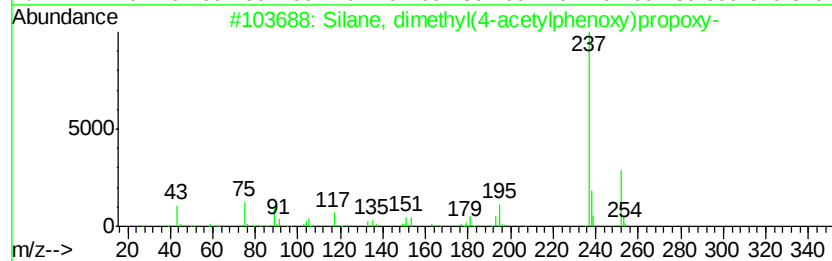
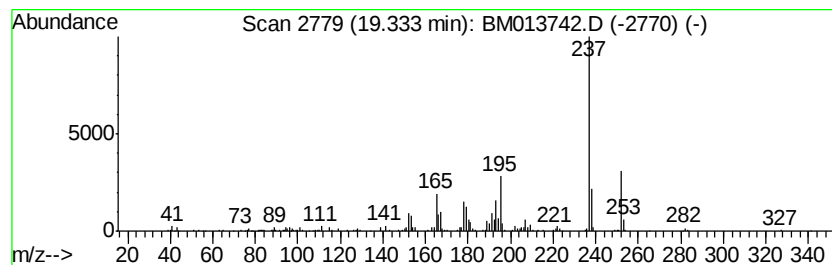
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 Silane, dimethyl(4-acetylph... Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 19.33 | 6.71 ng/ul | 738178 | Chrysene-d12     | 21.21 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|------------|--------------|------|
| 1    |    |   | Silane, dimethyl(4-acetylphenoxy... | 252 | C13H20O3Si | 1000347-30-8 | 53   |
| 2    |    |   | Adamantane-1-carboxylic acid, 3-... | 237 | C13H19NO3  | 1000303-75-9 | 53   |
| 3    |    |   | 2-(Carboxymethylene)-4,4-dimethy... | 270 | C13H18O6   | 180691-11-6  | 53   |
| 4    |    |   | Phosphetane, 2,2,3,4,4-pentameth... | 252 | C14H21O2P  | 050517-26-5  | 50   |
| 5    |    |   | Thiophene, 2-(trimethylsilyl)-5-... | 252 | C12H20SSi2 | 1000142-86-0 | 49   |



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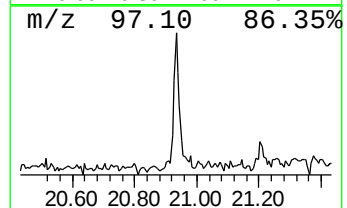
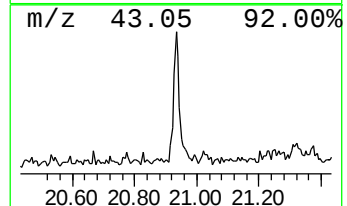
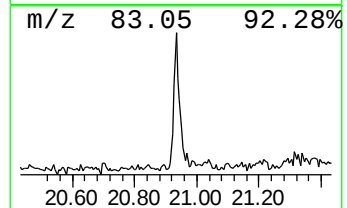
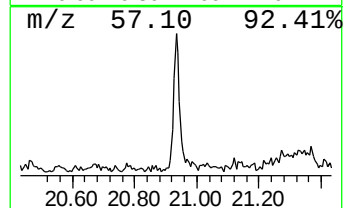
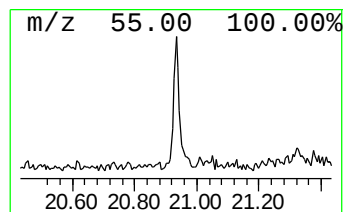
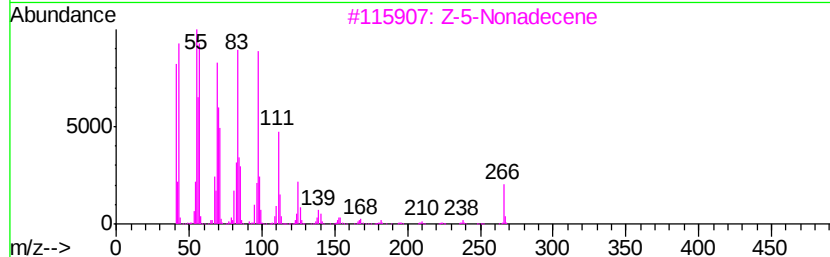
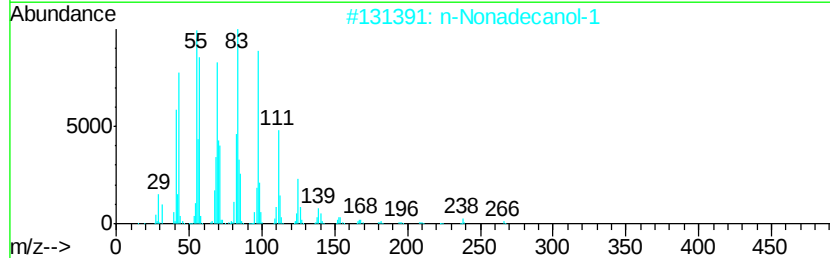
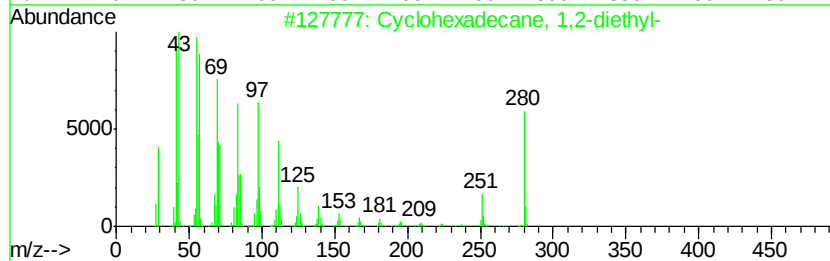
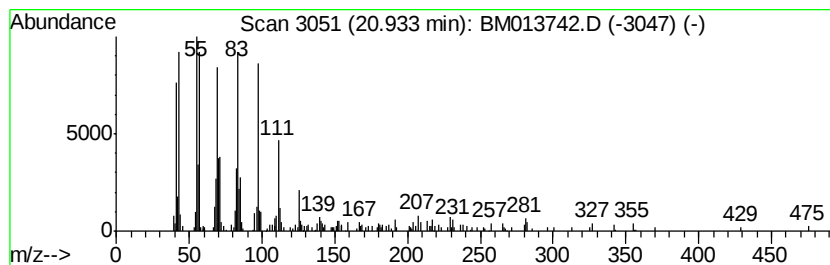
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 (DEL) Alkane: Cyclic20.93 Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 20.93 | 2.50 ng/ul | 275177 | Chrysene-d12     | 21.21 |

| Hit# | of | 5 | Tentative ID                  | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------------|-----|---------|--------------|------|
| 1    |    |   | Cyclohexadecane, 1,2-diethyl- | 280 | C20H40  | 1000155-85-3 | 89   |
| 2    |    |   | n-Nonadecanol-1               | 284 | C19H40O | 001454-84-8  | 87   |
| 3    |    |   | Z-5-Nonadecene                | 266 | C19H38  | 1000131-11-8 | 87   |
| 4    |    |   | 3-Eicosene, (E)-              | 280 | C20H40  | 074685-33-9  | 83   |
| 5    |    |   | 9-Eicosene, (E)-              | 280 | C20H40  | 074685-29-3  | 81   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| n-Hexadecanoic acid  | 17.92 | 3.1     | ng/ul | 292094   | 4                     | 17.01 | 1857920 | 20.0 |
| Silane, dimethyl(... | 19.33 | 6.7     | ng/ul | 738178   | 5                     | 21.21 | 2199680 | 20.0 |
| (DEL) Alkane: Cyc... | 20.93 | 2.5     | ng/ul | 275177   | 5                     | 21.21 | 2199680 | 20.0 |