

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA\_N\DATA\BN032218\  
 Data File : BN000535.D  
 Acq On : 22 Mar 2018 12:11  
 Operator : JU/SJ  
 Sample : J1950-11  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0AK6

## 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\_N\METHODS\SOM-EPA-BN031918.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      | 3.590    | 21         | 26       | 36        | rVB   | 44007       | 70388      | 1.68%        | 0.170%     |
| 2      | 4.108    | 109        | 114      | 122       | rVB   | 6127        | 9547       | 0.23%        | 0.023%     |
| 3      | 4.766    | 220        | 226      | 233       | rBV   | 31017       | 47272      | 1.13%        | 0.114%     |
| 4      | 4.884    | 241        | 246      | 249       | rBV3  | 2099        | 4448       | 0.11%        | 0.011%     |
| 5      | 5.584    | 359        | 365      | 370       | rBV2  | 6269        | 11870      | 0.28%        | 0.029%     |
| 6      | 6.419    | 500        | 507      | 519       | rBV   | 99628       | 156712     | 3.75%        | 0.378%     |
| 7      | 6.566    | 528        | 532      | 538       | rVB3  | 3713        | 6738       | 0.16%        | 0.016%     |
| 8      | 7.560    | 692        | 701      | 709       | rBV   | 289018      | 471833     | 11.29%       | 1.139%     |
| 9      | 7.719    | 721        | 728      | 737       | rBV   | 602486      | 945976     | 22.64%       | 2.283%     |
| 10     | 7.819    | 741        | 745      | 749       | rBV3  | 4753        | 6675       | 0.16%        | 0.016%     |
| 11     | 7.937    | 758        | 765      | 774       | rBV   | 629190      | 1055219    | 25.26%       | 2.546%     |
| 12     | 8.413    | 840        | 846      | 855       | rVB   | 566325      | 925030     | 22.14%       | 2.232%     |
| 13     | 9.125    | 960        | 967      | 978       | rBV   | 670360      | 1090009    | 26.09%       | 2.630%     |
| 14     | 9.596    | 1039       | 1047     | 1056      | rBV   | 670582      | 1113454    | 26.65%       | 2.687%     |
| 15     | 9.949    | 1101       | 1107     | 1110      | rBV   | 2164        | 4313       | 0.10%        | 0.010%     |
| 16     | 10.184   | 1137       | 1147     | 1160      | rBV   | 23875       | 51822      | 1.24%        | 0.125%     |
| 17     | 10.325   | 1164       | 1171     | 1180      | rVV   | 550146      | 923476     | 22.10%       | 2.228%     |
| 18     | 10.872   | 1257       | 1264     | 1272      | rBV   | 830368      | 1389199    | 33.25%       | 3.352%     |
| 19     | 11.013   | 1283       | 1288     | 1297      | rVB   | 9306        | 18275      | 0.44%        | 0.044%     |
| 20     | 11.254   | 1322       | 1329     | 1338      | rVB   | 814389      | 1370960    | 32.82%       | 3.308%     |
| 21     | 11.348   | 1338       | 1345     | 1356      | rBV   | 29427       | 55710      | 1.33%        | 0.134%     |
| 22     | 11.590   | 1380       | 1386     | 1390      | rBV3  | 2133        | 5184       | 0.12%        | 0.013%     |
| 23     | 12.448   | 1526       | 1532     | 1538      | rBV3  | 4124        | 8377       | 0.20%        | 0.020%     |
| 24     | 12.590   | 1552       | 1556     | 1561      | rVB3  | 3487        | 6353       | 0.15%        | 0.015%     |
| 25     | 12.813   | 1590       | 1594     | 1600      | rVB   | 15119       | 22538      | 0.54%        | 0.054%     |
| 26     | 13.660   | 1734       | 1738     | 1742      | rVB   | 4611        | 6157       | 0.15%        | 0.015%     |
| 27     | 14.425   | 1861       | 1868     | 1874      | rBV   | 1604593     | 2257021    | 54.02%       | 5.446%     |
| 28     | 14.472   | 1874       | 1876     | 1883      | rVB2  | 6542        | 8416       | 0.20%        | 0.020%     |
| 29     | 14.737   | 1914       | 1921     | 1928      | rBV   | 1485522     | 2258375    | 54.06%       | 5.450%     |
| 30     | 14.860   | 1938       | 1942     | 1951      | rBV4  | 12156       | 27805      | 0.67%        | 0.067%     |
| 31     | 15.037   | 1965       | 1972     | 1982      | rVB2  | 1160657     | 1824068    | 43.66%       | 4.402%     |
| 32     | 15.225   | 1998       | 2004     | 2018      | rBV   | 286573      | 448632     | 10.74%       | 1.083%     |
| 33     | 15.760   | 2088       | 2095     | 2096      | rBV2  | 2175        | 4384       | 0.10%        | 0.011%     |
| 34     | 16.019   | 2132       | 2139     | 2150      | rVB   | 2193735     | 3247923    | 77.74%       | 7.837%     |

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 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 35 | 16.131 | 2153 | 2158 | 2169 | rBV  | 586027  | 793330  | 18.99%  | 1.914%  |
| 36 | 16.254 | 2171 | 2179 | 2185 | rVB  | 25719   | 37559   | 0.90%   | 0.091%  |
| 37 | 16.701 | 2247 | 2255 | 2259 | rBV3 | 4507    | 8920    | 0.21%   | 0.022%  |
| 38 | 17.413 | 2372 | 2376 | 2383 | rBV3 | 5261    | 7524    | 0.18%   | 0.018%  |
| 39 | 17.548 | 2395 | 2399 | 2403 | rVB2 | 5909    | 8143    | 0.19%   | 0.020%  |
| 40 | 17.760 | 2429 | 2435 | 2442 | rBV2 | 1502637 | 2201271 | 52.69%  | 5.312%  |
| 41 | 17.860 | 2445 | 2452 | 2460 | rBV2 | 2459068 | 3519795 | 84.25%  | 8.493%  |
| 42 | 18.342 | 2529 | 2534 | 2536 | rBV2 | 4525    | 6532    | 0.16%   | 0.016%  |
| 43 | 18.378 | 2538 | 2540 | 2544 | rVB4 | 5320    | 6899    | 0.17%   | 0.017%  |
| 44 | 18.595 | 2572 | 2577 | 2585 | rBV3 | 33896   | 57477   | 1.38%   | 0.139%  |
| 45 | 18.683 | 2587 | 2592 | 2594 | rVB  | 3818    | 6079    | 0.15%   | 0.015%  |
| 46 | 19.125 | 2665 | 2667 | 2672 | rVB6 | 4577    | 4480    | 0.11%   | 0.011%  |
| 47 | 19.654 | 2753 | 2757 | 2760 | rBV  | 12363   | 15127   | 0.36%   | 0.037%  |
| 48 | 19.754 | 2769 | 2774 | 2780 | rBV  | 32238   | 43564   | 1.04%   | 0.105%  |
| 49 | 19.848 | 2786 | 2790 | 2798 | rBV2 | 56268   | 93840   | 2.25%   | 0.226%  |
| 50 | 20.007 | 2812 | 2817 | 2824 | rVB  | 26386   | 41984   | 1.00%   | 0.101%  |
| 51 | 20.119 | 2830 | 2836 | 2843 | rBV  | 3020925 | 4061472 | 97.21%  | 9.800%  |
| 52 | 20.260 | 2857 | 2860 | 2863 | rBV4 | 9393    | 10953   | 0.26%   | 0.026%  |
| 53 | 20.319 | 2868 | 2870 | 2873 | rVB  | 12504   | 13559   | 0.32%   | 0.033%  |
| 54 | 21.883 | 3131 | 3136 | 3143 | rBV2 | 1977249 | 2605954 | 62.38%  | 6.288%  |
| 55 | 22.960 | 3317 | 3319 | 3326 | rVB2 | 80410   | 107906  | 2.58%   | 0.260%  |
| 56 | 23.524 | 3411 | 3415 | 3422 | rVB2 | 129615  | 209149  | 5.01%   | 0.505%  |
| 57 | 24.160 | 3518 | 3523 | 3525 | rBV  | 145383  | 257726  | 6.17%   | 0.622%  |
| 58 | 24.213 | 3525 | 3532 | 3544 | rVB2 | 1978174 | 4177830 | 100.00% | 10.081% |
| 59 | 24.365 | 3551 | 3558 | 3570 | rVB2 | 1240817 | 2603047 | 62.31%  | 6.281%  |
| 60 | 24.883 | 3641 | 3646 | 3658 | rVB  | 159574  | 331640  | 7.94%   | 0.800%  |
| 61 | 25.724 | 3784 | 3789 | 3798 | rVB  | 154457  | 355817  | 8.52%   | 0.859%  |

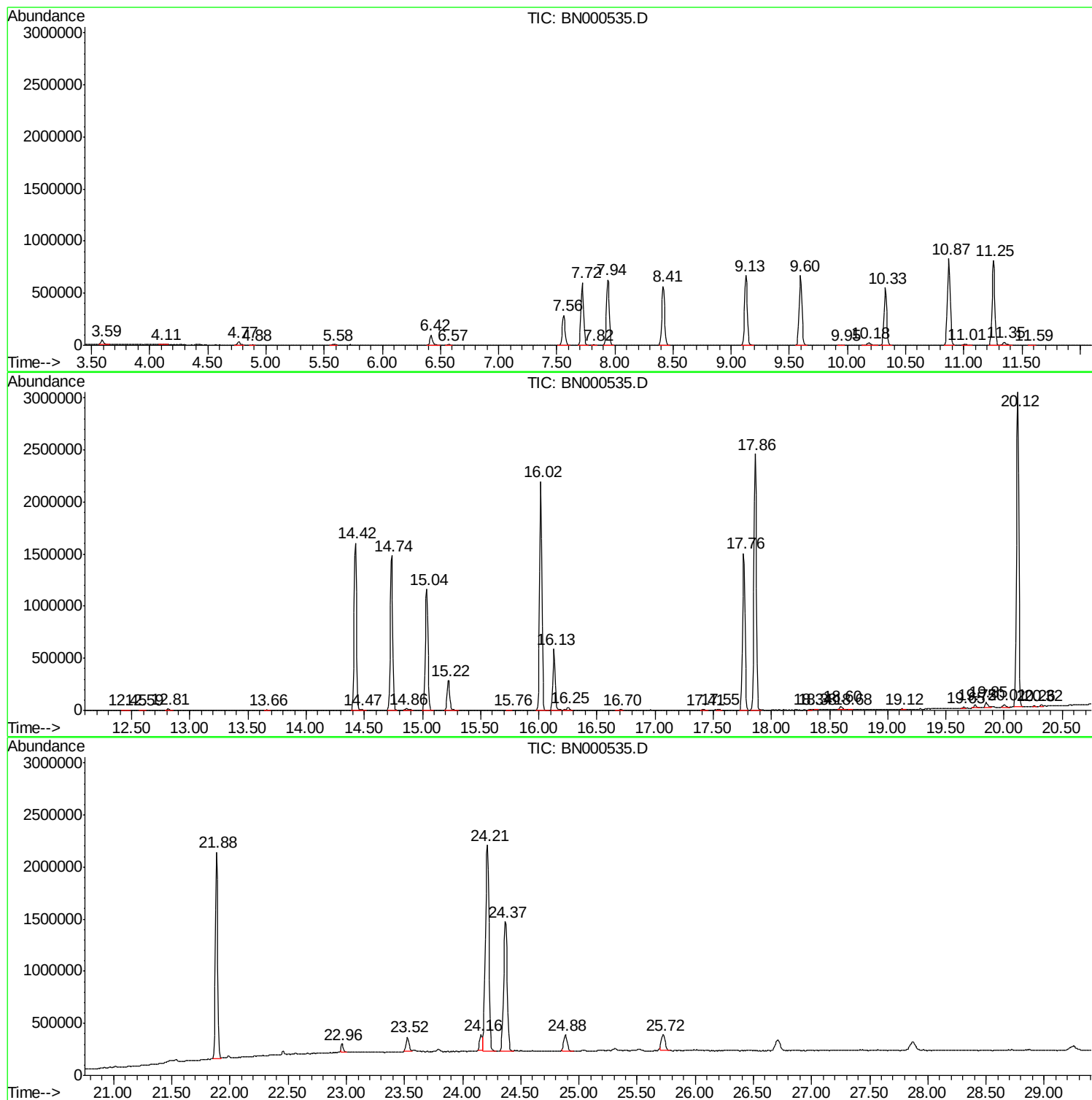
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Quant Method : Z:\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN031918.M  
Quant Title : SVOA CALIBRATION

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



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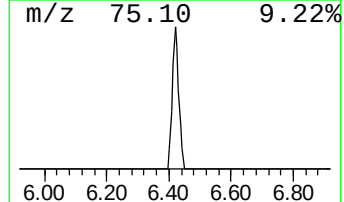
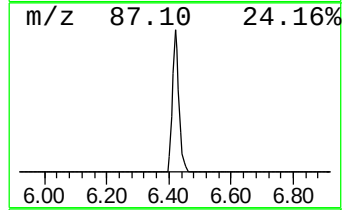
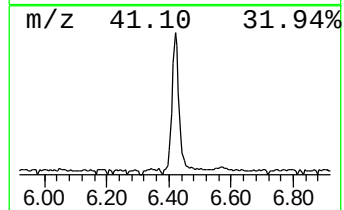
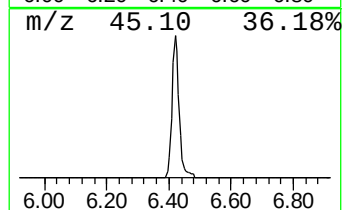
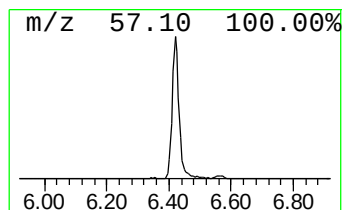
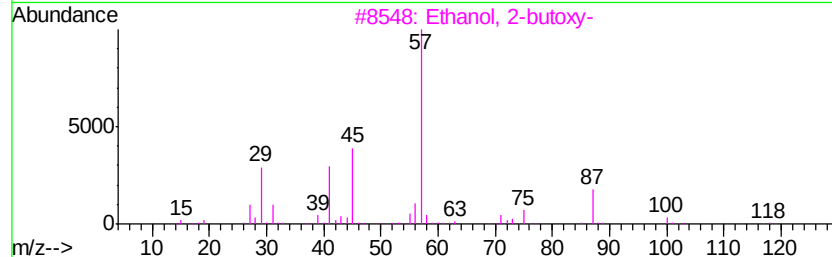
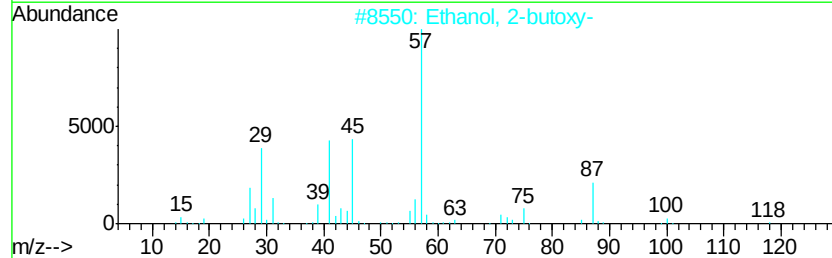
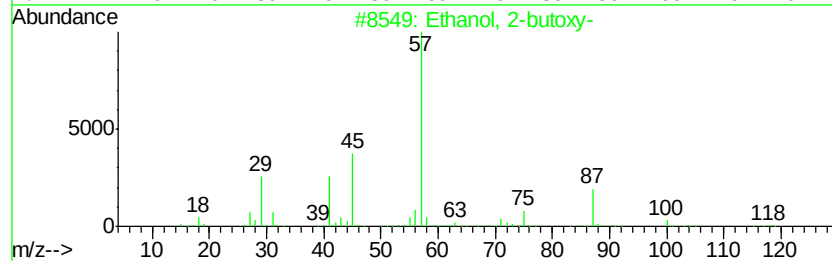
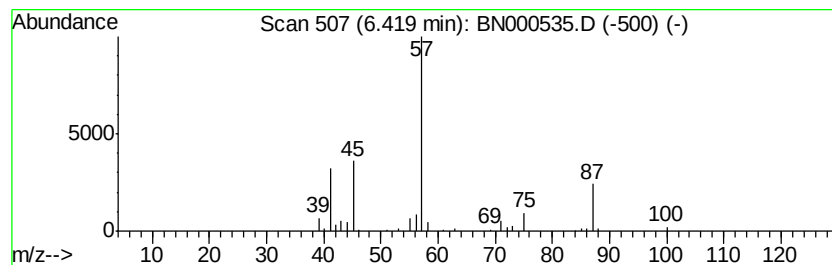
Quant Method : Z:\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN031918.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 1 Ethanol, 2-butoxy- Concentration Rank 1

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T. |
|------|------------|--------|------------------------|------|
| 6.42 | 3.39 ng/ul | 156712 | 1,4-Dichlorobenzene-d4 | 8.41 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Ethanol, 2-butoxy-                 | 118 | C6H14O2 | 000111-76-2 | 78   |
| 2    |    |   | Ethanol, 2-butoxy-                 | 118 | C6H14O2 | 000111-76-2 | 72   |
| 3    |    |   | Ethanol, 2-butoxy-                 | 118 | C6H14O2 | 000111-76-2 | 64   |
| 4    |    |   | Ethylene glycol monoisobutyl ether | 118 | C6H14O2 | 004439-24-1 | 43   |
| 5    |    |   | 3-Buten-2-ol                       | 72  | C4H8O   | 000598-32-3 | 38   |



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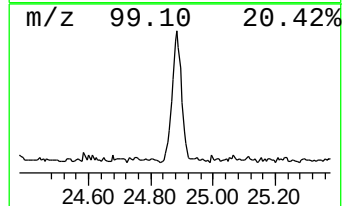
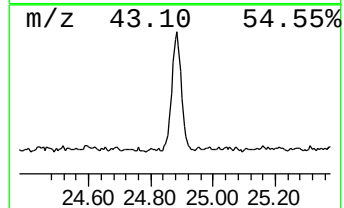
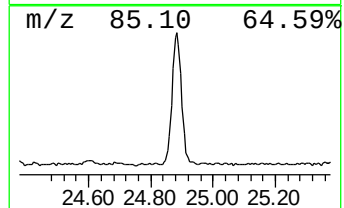
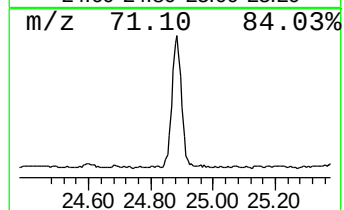
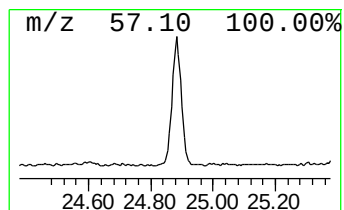
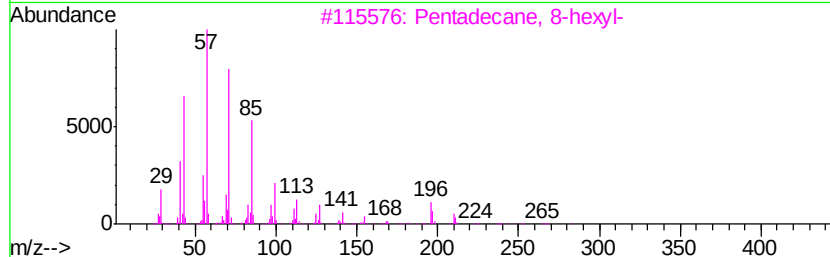
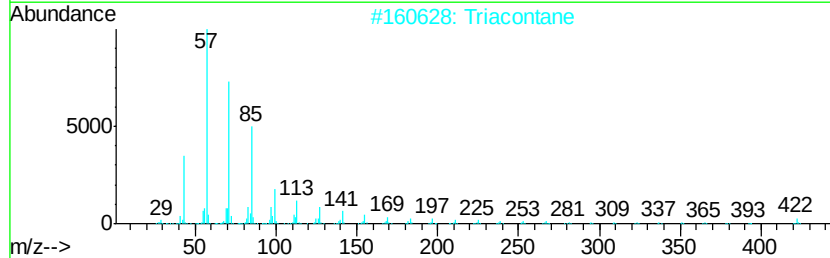
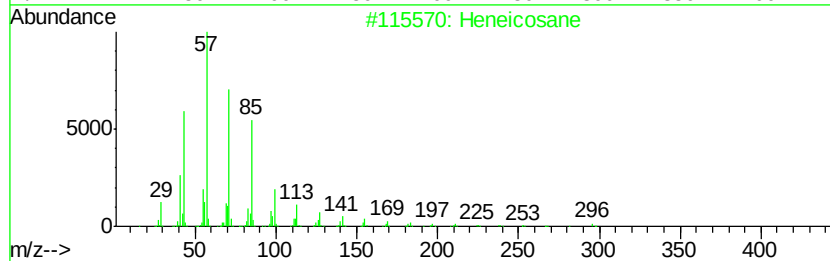
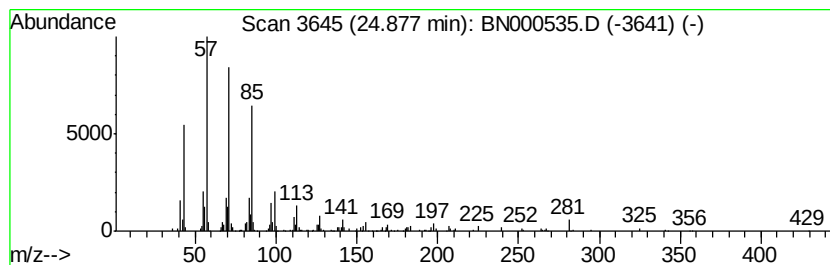
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 24.88 | 2.55 ng/ul | 331640 | Perylene-d12     | 24.37 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Heneicosane           | 296 | C21H44  | 000629-94-7 | 91   |
| 2    |    | Triacontane           | 422 | C30H62  | 000638-68-6 | 91   |
| 3    |    | Pentadecane, 8-hexyl- | 296 | C21H44  | 013475-75-7 | 91   |
| 4    |    | Octacosane            | 394 | C28H58  | 000630-02-4 | 91   |
| 5    |    | Heptacosane           | 380 | C27H56  | 000593-49-7 | 91   |



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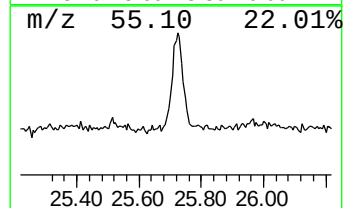
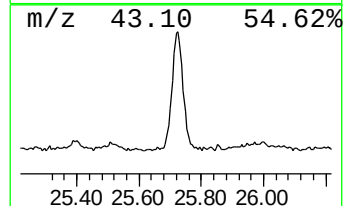
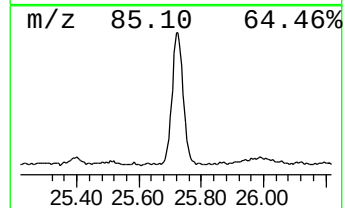
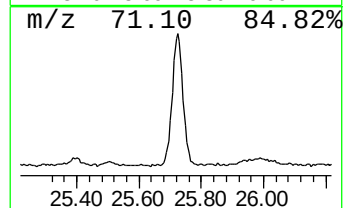
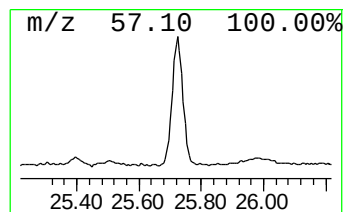
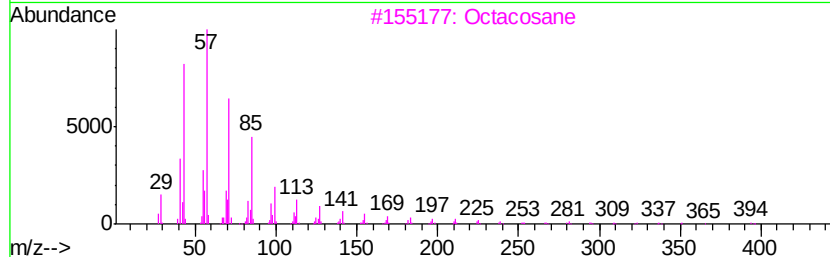
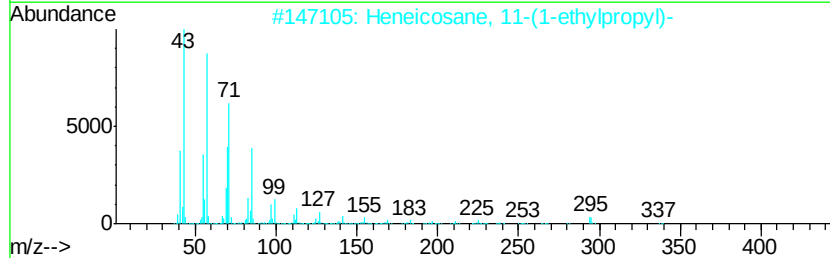
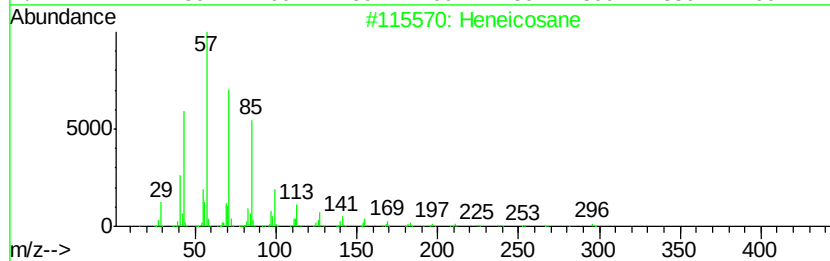
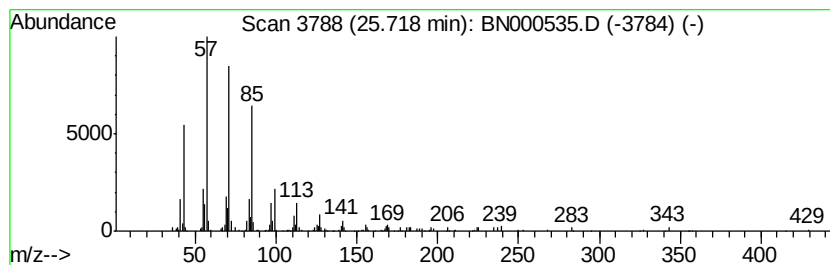
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 25.72 | 2.73 ng/ul | 355817 | Perylene-d12     | 24.37 |

| Hit# | of | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------------|-----|---------|-------------|------|
| 1    | 5  | Heneicosane                      | 296 | C21H44  | 000629-94-7 | 91   |
| 2    |    | Heneicosane, 11-(1-ethylpropyl)- | 366 | C26H54  | 055282-11-6 | 91   |
| 3    |    | Octacosane                       | 394 | C28H58  | 000630-02-4 | 91   |
| 4    |    | Pentacosane                      | 352 | C25H52  | 000629-99-2 | 90   |
| 5    |    | triacontane                      | 422 | C30H62  | 000638-68-6 | 90   |



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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| Ethanol, 2-butoxy-   | 6.42  | 3.4     | ng/ul | 156712   | 1                     | 8.41  | 925030  | 20.0 |
| (DEL) Alkane: Str... | 24.88 | 2.5     | ng/ul | 331640   | 6                     | 24.37 | 2603050 | 20.0 |
| (DEL) Alkane: Str... | 25.72 | 2.7     | ng/ul | 355817   | 6                     | 24.37 | 2603050 | 20.0 |