

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM080516\  
 Data File : BM006918.D  
 Acq On : 06 Aug 2016 02:06  
 Operator : UM/SJ  
 Sample : H4278-06  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BDJR9

## 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-BM080316.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         | 2.763       | 23            | 30          | 52           | rVB      | 2486733        | 4590561       | 100.00%         | 9.300%        |
| 2         | 3.004       | 64            | 71          | 84           | rVB      | 209340         | 342938        | 7.47%           | 0.695%        |
| 3         | 6.781       | 707           | 713         | 729          | rBV2     | 521419         | 1206854       | 26.29%          | 2.445%        |
| 4         | 6.904       | 729           | 734         | 750          | rVB      | 442020         | 800515        | 17.44%          | 1.622%        |
| 5         | 7.104       | 762           | 768         | 788          | rBV      | 630681         | 1210403       | 26.37%          | 2.452%        |
| 6         | 7.557       | 839           | 845         | 858          | rBV      | 623121         | 1089754       | 23.74%          | 2.208%        |
| 7         | 8.304       | 966           | 972         | 988          | rBV      | 570348         | 1301931       | 28.36%          | 2.638%        |
| 8         | 8.722       | 1037          | 1043        | 1062         | rBV      | 621658         | 1257589       | 27.40%          | 2.548%        |
| 9         | 9.445       | 1159          | 1166        | 1182         | rBV      | 493702         | 1088724       | 23.72%          | 2.206%        |
| 10        | 9.992       | 1253          | 1259        | 1285         | rBV      | 552850         | 1455150       | 31.70%          | 2.948%        |
| 11        | 10.333      | 1309          | 1317        | 1330         | rBV      | 796787         | 1468367       | 31.99%          | 2.975%        |
| 12        | 10.504      | 1340          | 1346        | 1371         | rBV      | 504422         | 1366637       | 29.77%          | 2.769%        |
| 13        | 13.633      | 1868          | 1878        | 1883         | rBV      | 1481160        | 2187095       | 47.64%          | 4.431%        |
| 14        | 13.680      | 1883          | 1886        | 1907         | rVB      | 728101         | 1302865       | 28.38%          | 2.639%        |
| 15        | 13.904      | 1917          | 1924        | 1941         | rBV      | 1537290        | 2433694       | 53.02%          | 4.930%        |
| 16        | 14.216      | 1970          | 1977        | 1992         | rVB2     | 1103591        | 1862928       | 40.58%          | 3.774%        |
| 17        | 14.533      | 2025          | 2031        | 2059         | rBV3     | 197887         | 872652        | 19.01%          | 1.768%        |
| 18        | 15.068      | 2117          | 2122        | 2127         | rBV2     | 39965          | 55059         | 1.20%           | 0.112%        |
| 19        | 15.215      | 2140          | 2147        | 2158         | rBV      | 1903568        | 3033676       | 66.09%          | 6.146%        |
| 20        | 15.380      | 2169          | 2175        | 2186         | rBV      | 381557         | 791923        | 17.25%          | 1.604%        |
| 21        | 15.457      | 2186          | 2188        | 2196         | rVB7     | 43144          | 76840         | 1.67%           | 0.156%        |
| 22        | 15.927      | 2264          | 2268        | 2277         | rBV      | 50404          | 104287        | 2.27%           | 0.211%        |
| 23        | 16.974      | 2439          | 2446        | 2457         | rBV      | 1482670        | 2298202       | 50.06%          | 4.656%        |
| 24        | 17.068      | 2457          | 2462        | 2477         | rVB      | 2002749        | 3245662       | 70.70%          | 6.575%        |
| 25        | 17.874      | 2594          | 2599        | 2608         | rBV4     | 59422          | 132119        | 2.88%           | 0.268%        |
| 26        | 19.380      | 2848          | 2855        | 2868         | rBV      | 2614450        | 3877330       | 84.46%          | 7.855%        |
| 27        | 20.892      | 3109          | 3112        | 3119         | rVB8     | 35353          | 69536         | 1.51%           | 0.141%        |
| 28        | 21.180      | 3156          | 3161        | 3172         | rBV      | 1967939        | 2748934       | 59.88%          | 5.569%        |
| 29        | 22.309      | 3349          | 3353        | 3363         | rVB      | 249992         | 363491        | 7.92%           | 0.736%        |
| 30        | 22.662      | 3410          | 3413        | 3421         | rVB      | 127499         | 198421        | 4.32%           | 0.402%        |
| 31        | 23.227      | 3501          | 3509        | 3524         | rVB2     | 1897981        | 3764781       | 82.01%          | 7.627%        |
| 32        | 23.362      | 3526          | 3532        | 3545         | rVB      | 1248568        | 2501746       | 54.50%          | 5.068%        |
| 33        | 23.815      | 3606          | 3609        | 3618         | rVB      | 140040         | 259718        | 5.66%           | 0.526%        |

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ClientSampleId :  
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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

Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM080316.M  
Title : SVOA CALIBRATION

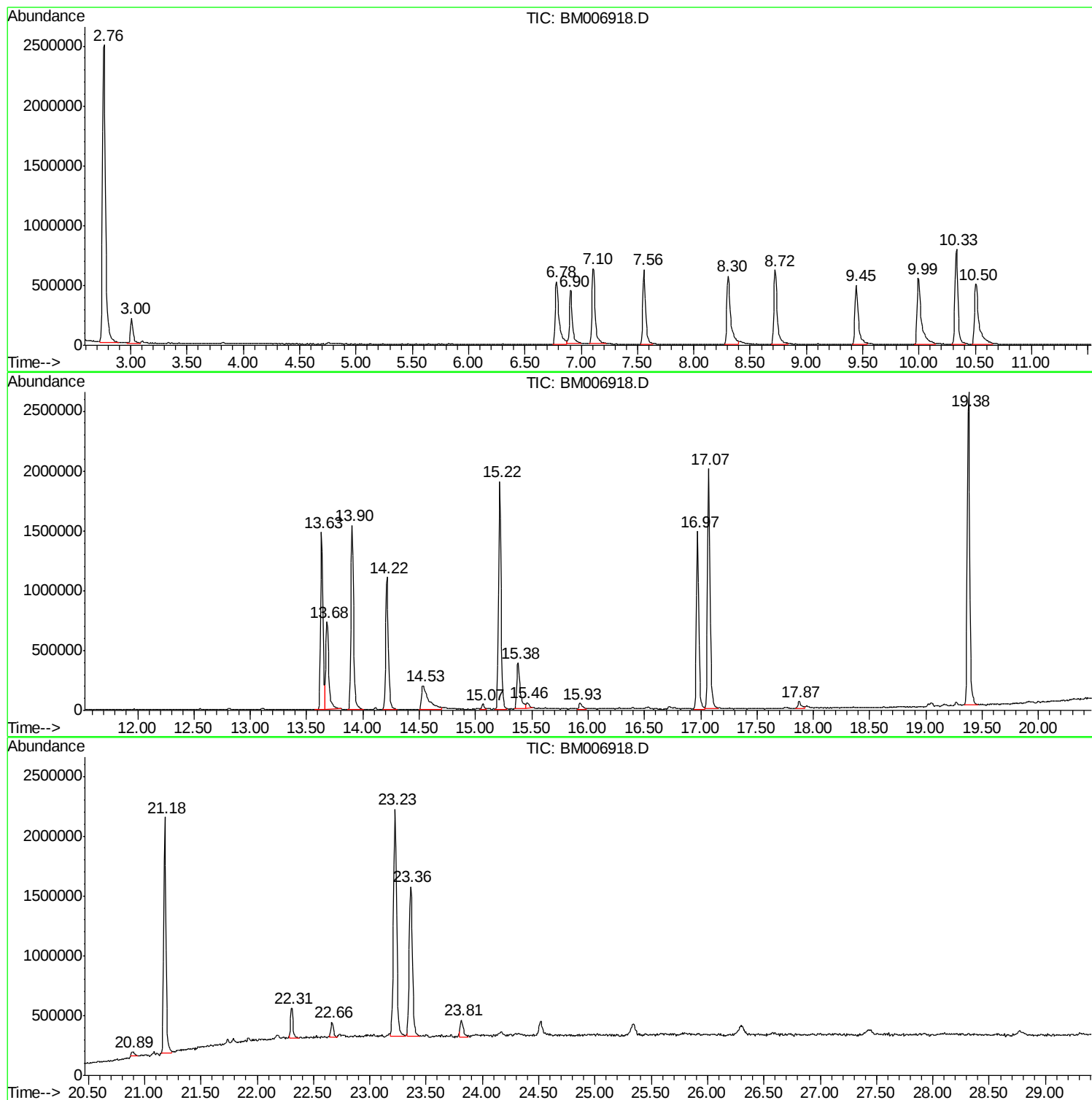
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Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM080316.M  
Quant Title : SVOA CALIBRATION

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



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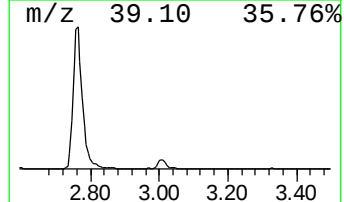
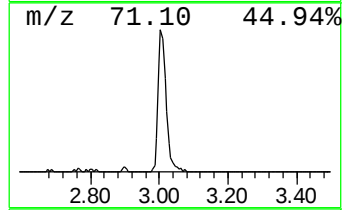
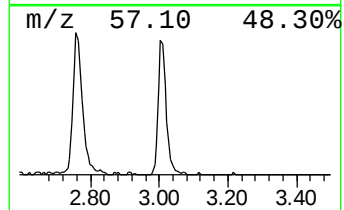
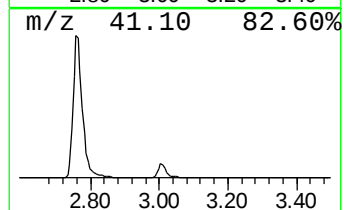
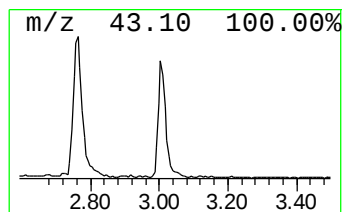
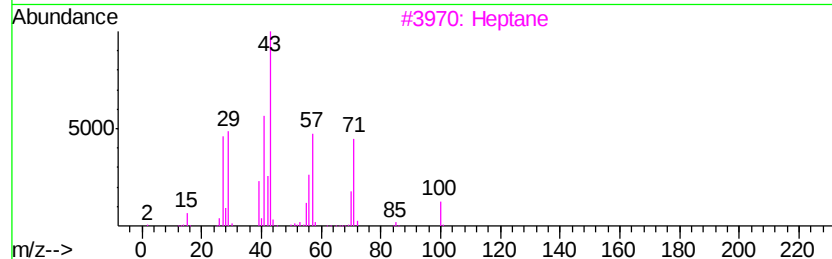
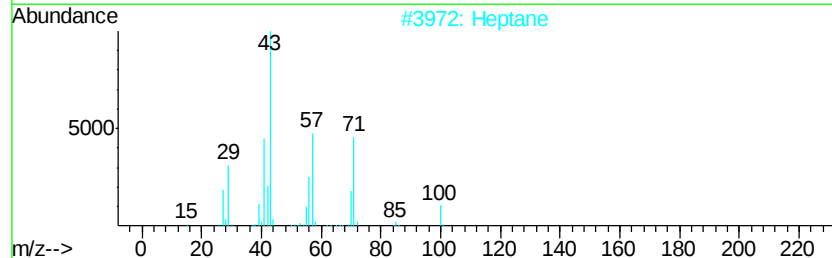
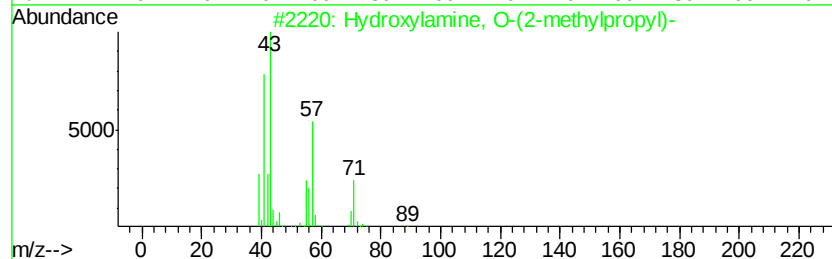
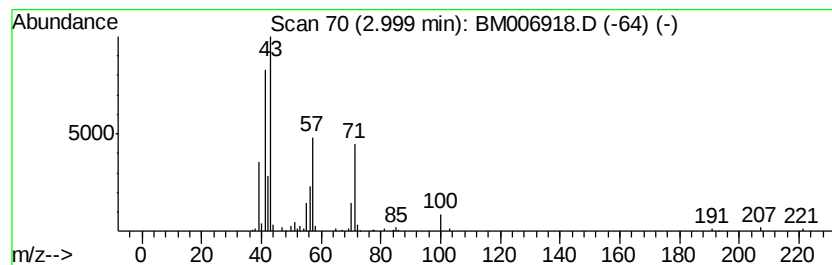
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Hydroxylamine, O-(2-methylp... Concentration Rank 2

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T. |
|------|------------|--------|------------------------|------|
| 3.00 | 6.29 ng/ul | 342938 | 1,4-Dichlorobenzene-d4 | 7.56 |

| Hit# | of | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Hydroxylamine, O-(2-methylpropyl)- | 89  | C4H11NO | 005618-62-2 | 72   |
| 2    |    | Heptane                            | 100 | C7H16   | 000142-82-5 | 56   |
| 3    |    | Heptane                            | 100 | C7H16   | 000142-82-5 | 56   |
| 4    |    | Heptane                            | 100 | C7H16   | 000142-82-5 | 53   |
| 5    |    | Octane                             | 114 | C8H18   | 000111-65-9 | 45   |



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Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM080316.M  
Quant Title : SVOA CALIBRATION

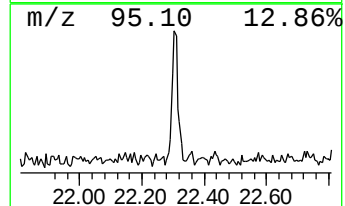
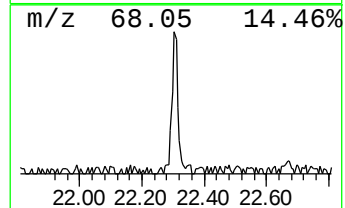
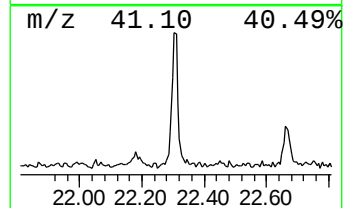
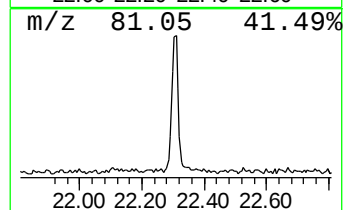
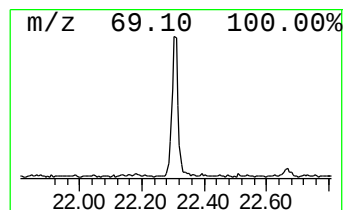
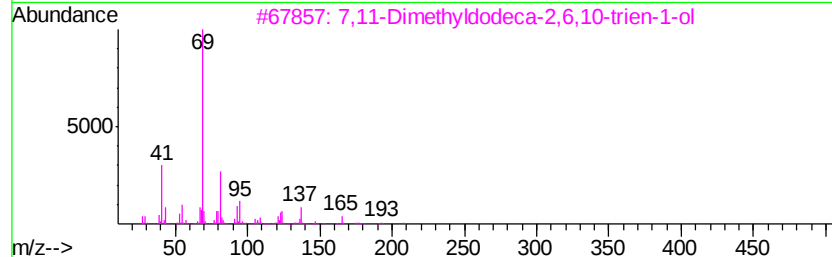
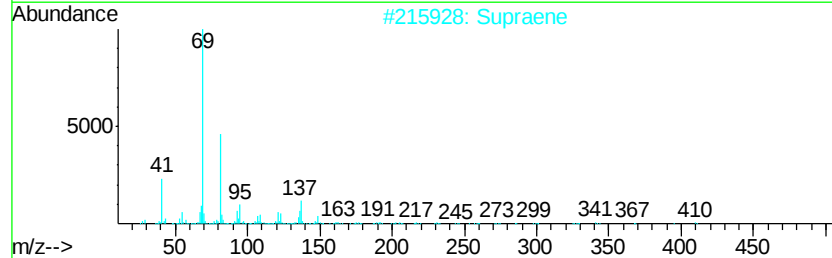
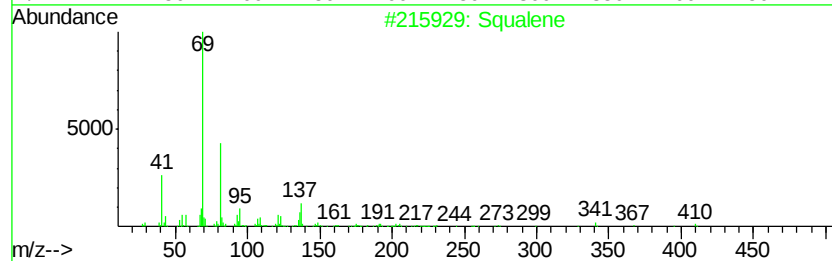
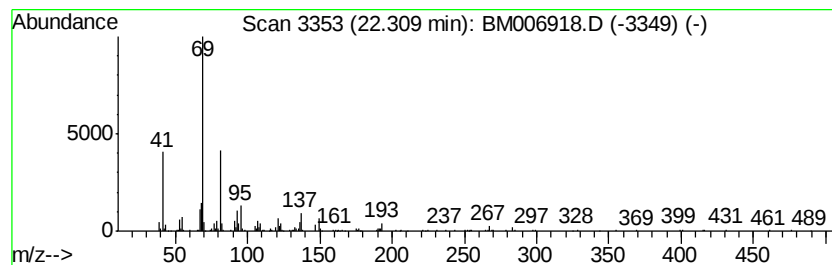
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Squalene Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 22.31 | 2.91 ng/ul | 363491 | Perylene-d12     | 23.36 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|-------------------------------------|-----|---------|--------------|------|
| 1    | 5  | Squalene                            | 410 | C30H50  | 000111-02-4  | 72   |
| 2    |    | Supraene                            | 410 | C30H50  | 007683-64-9  | 64   |
| 3    |    | 7,11-Dimethyldodeca-2,6,10-trien... | 208 | C14H24O | 125529-10-4  | 64   |
| 4    |    | Farnesol isomer a                   | 222 | C15H26O | 1000108-92-4 | 59   |
| 5    |    | trans-Geranylgeraniol               | 290 | C20H34O | 024034-73-9  | 59   |



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Quant Title : SVOA CALIBRATION

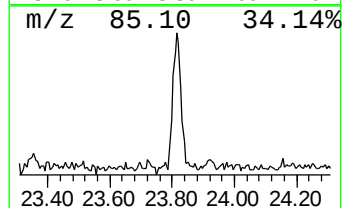
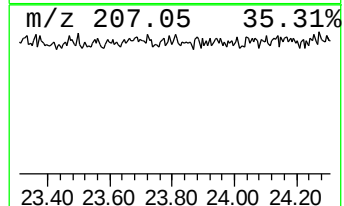
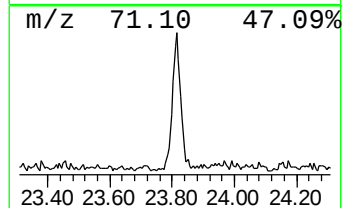
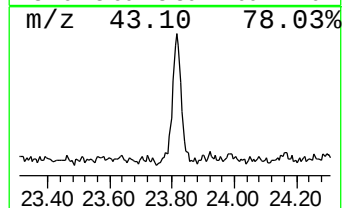
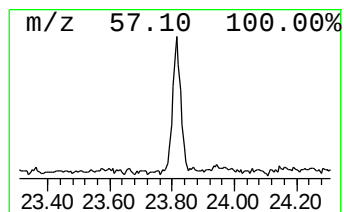
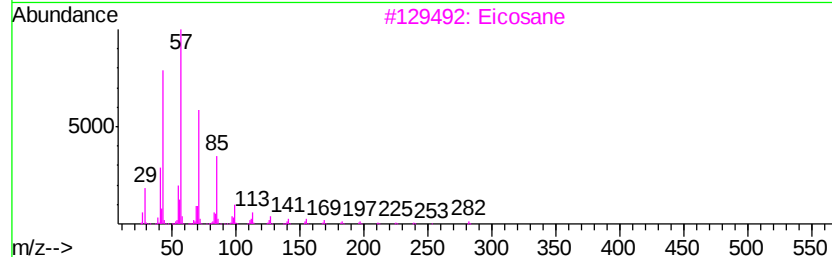
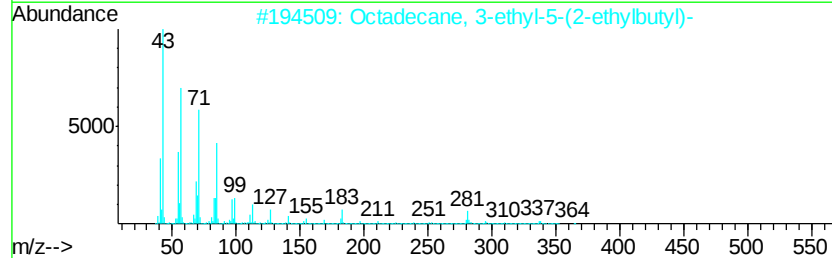
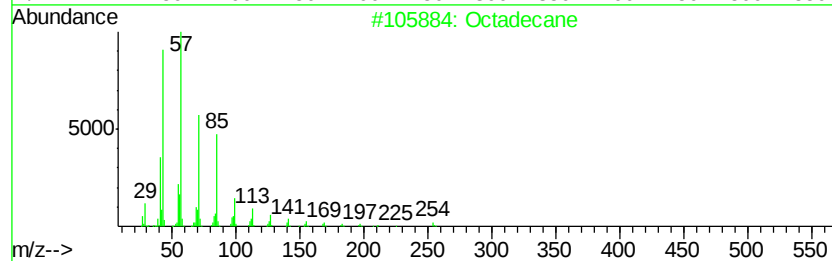
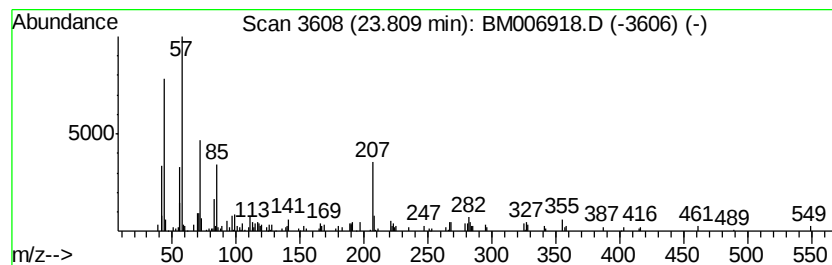
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TIC Integration Parameters: LSCINT.P

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Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 23.81 | 2.08 ng/ul | 259718 | Perylene-d12     | 23.36 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Octadecane                          | 254 | C18H38  | 000593-45-3 | 64   |
| 2    |    | Octadecane, 3-ethyl-5-(2-ethylbu... | 366 | C26H54  | 055282-12-7 | 58   |
| 3    |    | Eicosane                            | 282 | C20H42  | 000112-95-8 | 58   |
| 4    |    | Eicosane                            | 282 | C20H42  | 000112-95-8 | 52   |
| 5    |    | Dodecane, 1-iodo-                   | 296 | C12H25I | 004292-19-7 | 52   |



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Quant Title : SVOA CALIBRATION

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| Hydroxylamine, O-... | 3.00  | 6.3     | ng/ul | 342938   | 1                     | 7.56  | 1089750 | 20.0 |
| Squalene             | 22.31 | 2.9     | ng/ul | 363491   | 6                     | 23.36 | 2501750 | 20.0 |
| (DEL) Alkane: Str... | 23.81 | 2.1     | ng/ul | 259718   | 6                     | 23.36 | 2501750 | 20.0 |