

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111919\  
 Data File : BM023804.D  
 Acq On : 19 Nov 2019 19:27  
 Operator : JU  
 Sample : K5748-12  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BEGX5

## 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<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         | 3.063       | 27            | 30          | 37           | rVB      | 69855          | 97540         | 1.00%           | 0.112%        |
| 2         | 3.687       | 131           | 136         | 142          | rVB3     | 18375          | 36745         | 0.38%           | 0.042%        |
| 3         | 3.769       | 147           | 150         | 156          | rVB2     | 21170          | 29873         | 0.31%           | 0.034%        |
| 4         | 4.281       | 234           | 237         | 244          | rVB5     | 12282          | 19204         | 0.20%           | 0.022%        |
| 5         | 6.710       | 644           | 650         | 660          | rBV      | 293586         | 523217        | 5.37%           | 0.599%        |
| 6         | 6.863       | 671           | 676         | 692          | rBV      | 993780         | 1687882       | 17.34%          | 1.933%        |
| 7         | 7.057       | 701           | 709         | 722          | rBV      | 1152806        | 1838024       | 18.88%          | 2.105%        |
| 8         | 7.516       | 779           | 787         | 796          | rBV      | 1401961        | 2226858       | 22.87%          | 2.550%        |
| 9         | 7.604       | 799           | 802         | 808          | rVB5     | 8359           | 13436         | 0.14%           | 0.015%        |
| 10        | 8.233       | 903           | 909         | 924          | rBV      | 790848         | 1286671       | 13.22%          | 1.473%        |
| 11        | 8.669       | 975           | 983         | 993          | rBV      | 1259868        | 2076439       | 21.33%          | 2.378%        |
| 12        | 9.122       | 1055          | 1060        | 1063         | rBV      | 15733          | 21157         | 0.22%           | 0.024%        |
| 13        | 9.386       | 1097          | 1105        | 1120         | rBV      | 1027937        | 1677816       | 17.23%          | 1.921%        |
| 14        | 9.827       | 1173          | 1180        | 1183         | rBV5     | 15114          | 29140         | 0.30%           | 0.033%        |
| 15        | 9.922       | 1190          | 1196        | 1213         | rBV      | 1483232        | 2609516       | 26.81%          | 2.988%        |
| 16        | 10.292      | 1251          | 1259        | 1271         | rBV      | 1961296        | 3231022       | 33.19%          | 3.700%        |
| 17        | 10.445      | 1278          | 1285        | 1299         | rVB      | 74120          | 161123        | 1.66%           | 0.184%        |
| 18        | 11.898      | 1527          | 1532        | 1537         | rBV4     | 22332          | 40681         | 0.42%           | 0.047%        |
| 19        | 13.021      | 1717          | 1723        | 1726         | rVB6     | 7654           | 11036         | 0.11%           | 0.013%        |
| 20        | 13.598      | 1813          | 1821        | 1826         | rBV      | 2977461        | 4155136       | 42.68%          | 4.758%        |
| 21        | 13.645      | 1826          | 1829        | 1835         | rVV      | 222057         | 312904        | 3.21%           | 0.358%        |
| 22        | 13.727      | 1838          | 1843        | 1847         | rVB5     | 21088          | 30003         | 0.31%           | 0.034%        |
| 23        | 13.863      | 1859          | 1866        | 1882         | rBV      | 3393215        | 4972583       | 51.08%          | 5.694%        |
| 24        | 14.104      | 1904          | 1907        | 1911         | rVB6     | 6699           | 11543         | 0.12%           | 0.013%        |
| 25        | 14.174      | 1911          | 1919        | 1930         | rBV2     | 2896706        | 4293610       | 44.10%          | 4.917%        |
| 26        | 14.410      | 1949          | 1959        | 1971         | rBV      | 147040         | 347936        | 3.57%           | 0.398%        |
| 27        | 14.627      | 1992          | 1996        | 2002         | rVB7     | 11074          | 17559         | 0.18%           | 0.020%        |
| 28        | 14.792      | 2018          | 2024        | 2028         | rBV7     | 4106           | 9959          | 0.10%           | 0.011%        |
| 29        | 14.945      | 2047          | 2050        | 2056         | rVB3     | 8882           | 10521         | 0.11%           | 0.012%        |
| 30        | 15.015      | 2056          | 2062        | 2066         | rBV4     | 10923          | 19992         | 0.21%           | 0.023%        |
| 31        | 15.062      | 2066          | 2070        | 2074         | rVB2     | 20295          | 27929         | 0.29%           | 0.032%        |
| 32        | 15.174      | 2082          | 2089        | 2096         | rBV      | 4604790        | 6370204       | 65.44%          | 7.294%        |
| 33        | 15.309      | 2105          | 2112        | 2123         | rBV      | 1404574        | 1931105       | 19.84%          | 2.211%        |
| 34        | 15.415      | 2126          | 2130        | 2140         | rVV      | 53565          | 95522         | 0.98%           | 0.109%        |

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 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 35 | 15.962 | 2219 | 2223 | 2231 | rVB6 | 17206   | 27869   | 0.29%   | 0.032%  |
| 36 | 16.098 | 2242 | 2246 | 2251 | rVB7 | 7545    | 11142   | 0.11%   | 0.013%  |
| 37 | 16.615 | 2327 | 2334 | 2338 | rBV9 | 7564    | 12601   | 0.13%   | 0.014%  |
| 38 | 16.715 | 2347 | 2351 | 2358 | rVB2 | 26227   | 38078   | 0.39%   | 0.044%  |
| 39 | 16.804 | 2364 | 2366 | 2371 | rVB3 | 7293    | 10788   | 0.11%   | 0.012%  |
| 40 | 16.927 | 2381 | 2387 | 2397 | rBV  | 3514282 | 4833177 | 49.65%  | 5.534%  |
| 41 | 17.027 | 2397 | 2404 | 2417 | rBV  | 5166177 | 7271175 | 74.69%  | 8.326%  |
| 42 | 17.339 | 2454 | 2457 | 2461 | rBV5 | 9733    | 12476   | 0.13%   | 0.014%  |
| 43 | 17.851 | 2538 | 2544 | 2549 | rBV  | 141578  | 212494  | 2.18%   | 0.243%  |
| 44 | 18.145 | 2590 | 2594 | 2599 | rBV6 | 25923   | 44774   | 0.46%   | 0.051%  |
| 45 | 18.286 | 2615 | 2618 | 2621 | rVB5 | 19093   | 19093   | 0.20%   | 0.022%  |
| 46 | 18.792 | 2701 | 2704 | 2707 | rVB4 | 22907   | 30193   | 0.31%   | 0.035%  |
| 47 | 18.962 | 2729 | 2733 | 2737 | rBV  | 61095   | 95392   | 0.98%   | 0.109%  |
| 48 | 19.139 | 2760 | 2763 | 2769 | rBV7 | 45424   | 76126   | 0.78%   | 0.087%  |
| 49 | 19.215 | 2773 | 2776 | 2783 | rVB  | 54570   | 83013   | 0.85%   | 0.095%  |
| 50 | 19.333 | 2790 | 2796 | 2801 | rBV  | 6498262 | 8873543 | 91.15%  | 10.161% |
| 51 | 19.415 | 2807 | 2810 | 2814 | rVB3 | 39473   | 49549   | 0.51%   | 0.057%  |
| 52 | 19.915 | 2892 | 2895 | 2900 | rVB2 | 83132   | 92196   | 0.95%   | 0.106%  |
| 53 | 20.415 | 2976 | 2980 | 2983 | rBV  | 158611  | 186251  | 1.91%   | 0.213%  |
| 54 | 20.874 | 3054 | 3058 | 3066 | rBV  | 687935  | 945680  | 9.71%   | 1.083%  |
| 55 | 21.133 | 3097 | 3102 | 3111 | rBV  | 4383469 | 5615147 | 57.68%  | 6.430%  |
| 56 | 21.315 | 3130 | 3133 | 3138 | rBV  | 353815  | 372671  | 3.83%   | 0.427%  |
| 57 | 21.738 | 3202 | 3205 | 3210 | rBV  | 366073  | 419973  | 4.31%   | 0.481%  |
| 58 | 22.186 | 3278 | 3281 | 3285 | rVB  | 424165  | 485840  | 4.99%   | 0.556%  |
| 59 | 22.668 | 3360 | 3363 | 3368 | rVB  | 458097  | 588504  | 6.05%   | 0.674%  |
| 60 | 23.150 | 3439 | 3445 | 3452 | rBV  | 5527374 | 9735087 | 100.00% | 11.147% |
| 61 | 23.209 | 3452 | 3455 | 3461 | rVV  | 494934  | 751832  | 7.72%   | 0.861%  |
| 62 | 23.285 | 3462 | 3468 | 3480 | rVB  | 3401008 | 6211434 | 63.80%  | 7.113%  |

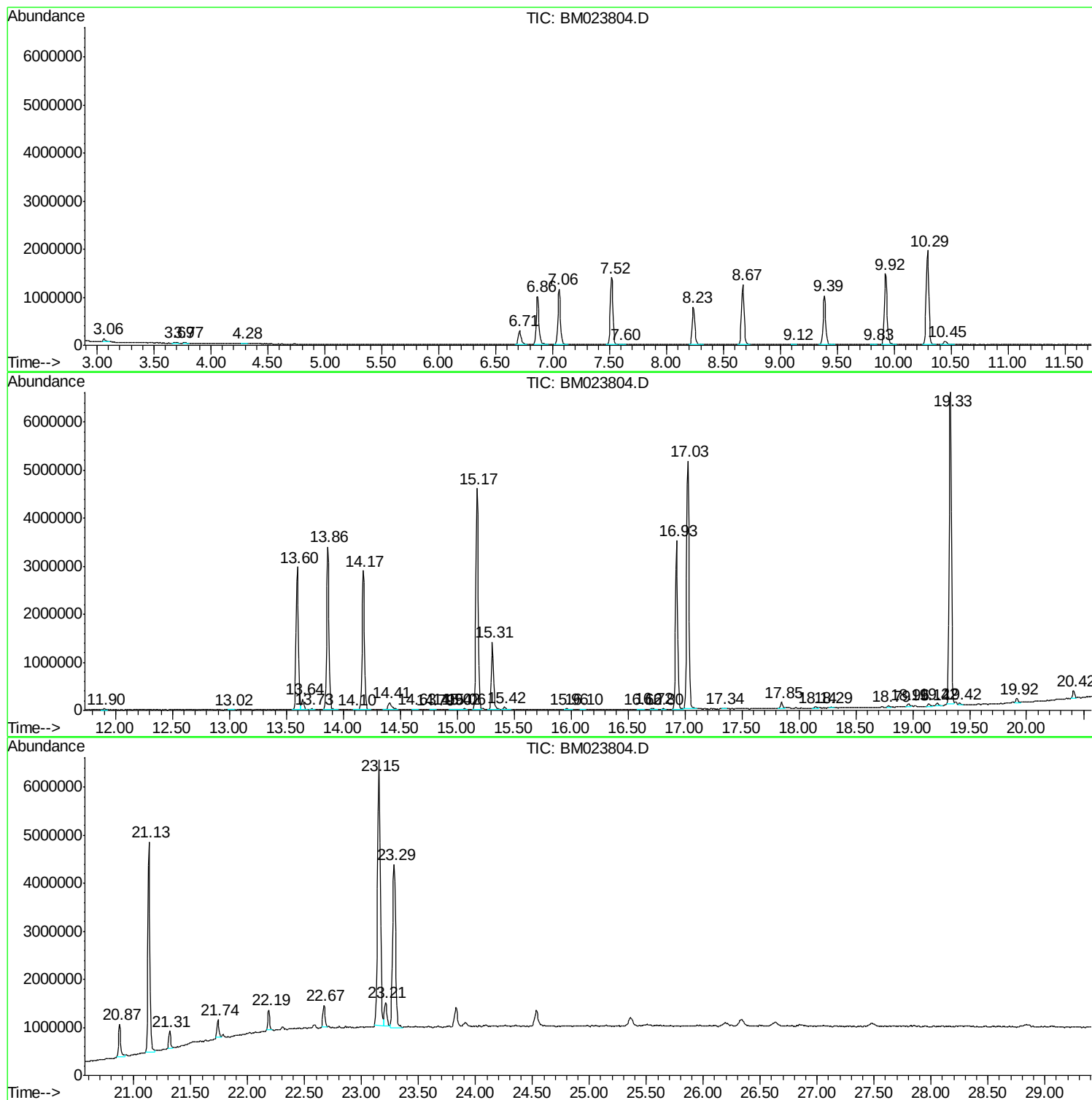
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM11119MA.M  
Quant Title : SVOA CALIBRATION

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



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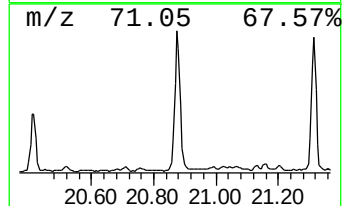
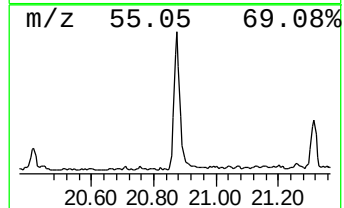
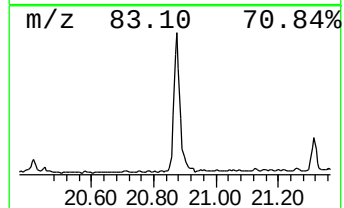
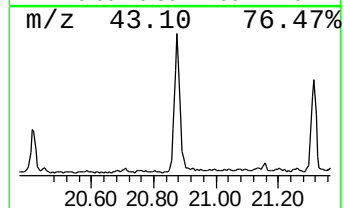
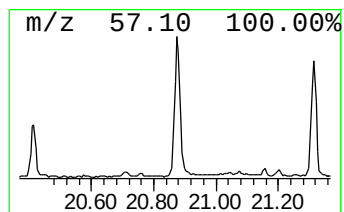
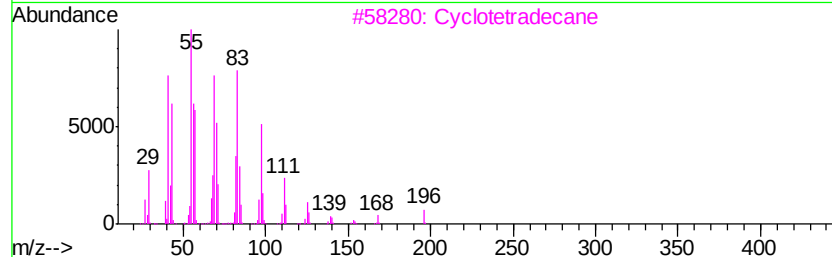
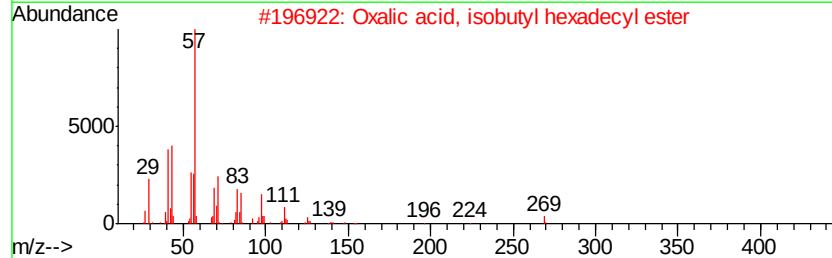
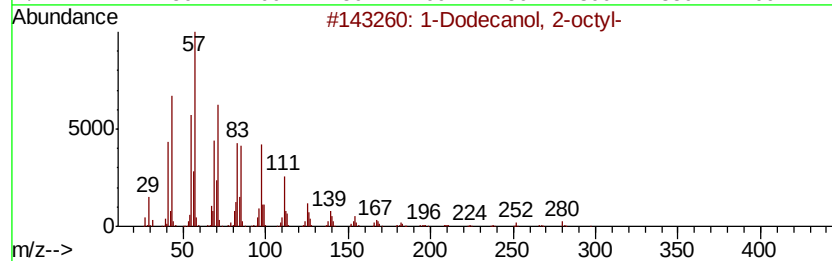
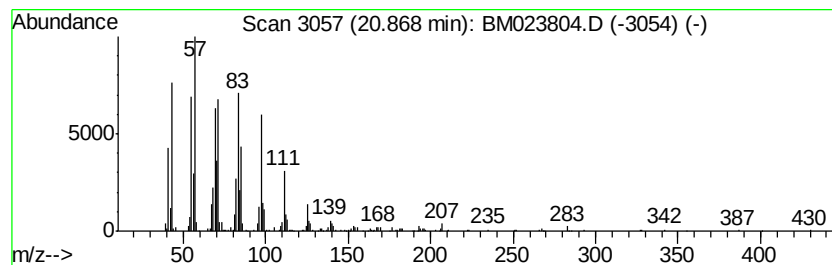
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM11119MA.M  
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TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 1-Dodecanol, 2-octyl- Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 20.87 | 3.37 ng/ul | 945680 | Chrysene-d12     | 21.13 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | 1-Dodecanol, 2-octyl-               | 298 | C20H42O  | 005333-42-6  | 91   |
| 2    |    |   | Oxalic acid, isobutyl hexadecyl ... | 370 | C22H42O4 | 1000309-38-1 | 91   |
| 3    |    |   | Cyclotetradecane                    | 196 | C14H28   | 000295-17-0  | 89   |
| 4    |    |   | 1-Dodecanol, 2-hexyl-               | 270 | C18H38O  | 110225-00-8  | 87   |
| 5    |    |   | n-Nonadecanol-1                     | 284 | C19H40O  | 001454-84-8  | 78   |



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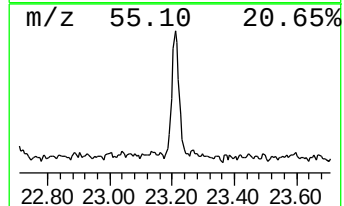
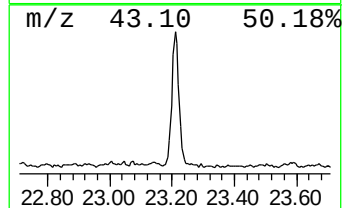
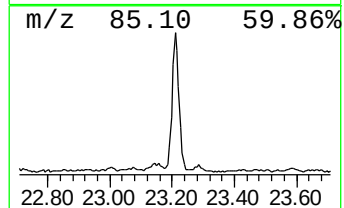
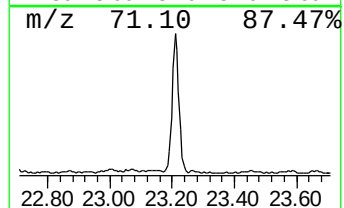
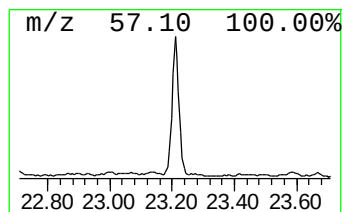
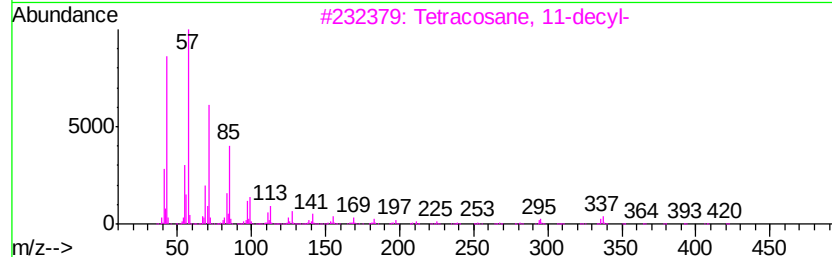
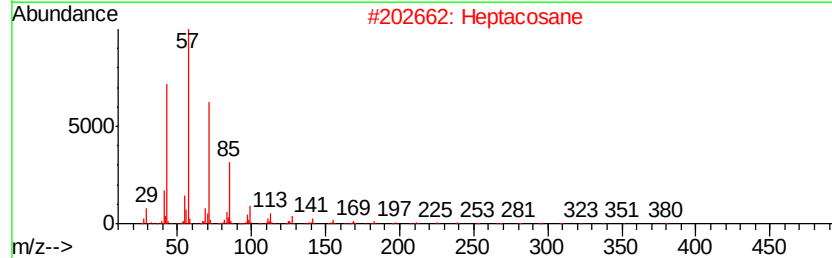
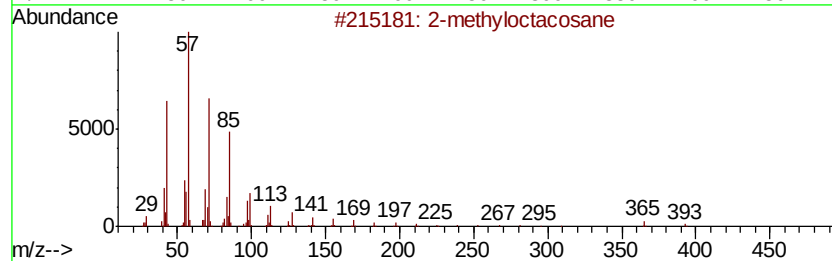
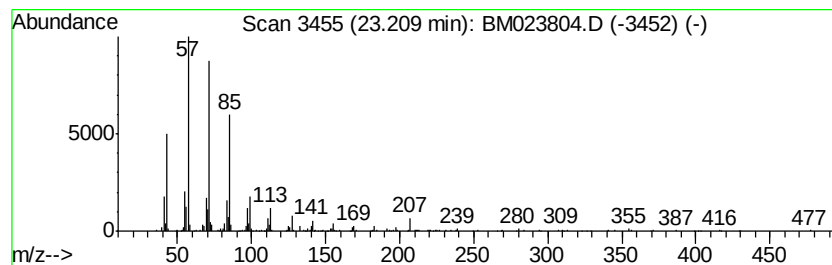
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 23.21 | 2.42 ng/ul | 751832 | Perylene-d12     | 23.29 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#         | Qual |
|------|----|------------------------|-----|---------|--------------|------|
| 1    | 5  | 2-methyloctacosane     | 408 | C29H60  | 1000376-72-8 | 91   |
| 2    |    | Heptacosane            | 380 | C27H56  | 000593-49-7  | 91   |
| 3    |    | Tetracosane, 11-decyl- | 479 | C34H70  | 055429-84-0  | 91   |
| 4    |    | Heneicosane            | 296 | C21H44  | 000629-94-7  | 91   |
| 5    |    | Heneicosane            | 296 | C21H44  | 000629-94-7  | 91   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| 1-Dodecanol, 2-oc... | 20.87 | 3.4     | ng/ul | 945680   | 5                     | 21.13 | 5615150 | 20.0 |
| (DEL) Alkane: Str... | 23.21 | 2.4     | ng/ul | 751832   | 6                     | 23.29 | 6211430 | 20.0 |