

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM010920\  
 Data File : BM024428.D  
 Acq On : 09 Jan 2020 17:19  
 Operator : JU  
 Sample : K6466-13  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 H0BQ6

## 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-BM010820MA.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      | 6.681    | 639        | 645      | 654       | rVB   | 1475772     | 2210207    | 27.06%       | 2.533%     |
| 2      | 6.846    | 667        | 673      | 684       | rVB   | 1135533     | 1755282    | 21.49%       | 2.012%     |
| 3      | 7.034    | 700        | 705      | 712       | rVB   | 1567847     | 2299448    | 28.15%       | 2.635%     |
| 4      | 7.493    | 778        | 783      | 793       | rVB   | 1248089     | 1984823    | 24.30%       | 2.275%     |
| 5      | 8.204    | 897        | 904      | 916       | rVB   | 1732638     | 2754994    | 33.72%       | 3.157%     |
| 6      | 8.628    | 970        | 976      | 983       | rVB   | 1486352     | 2386248    | 29.21%       | 2.735%     |
| 7      | 9.345    | 1092       | 1098     | 1107      | rBV   | 1060517     | 1658860    | 20.31%       | 1.901%     |
| 8      | 9.881    | 1183       | 1189     | 1200      | rBV   | 1742298     | 2839435    | 34.76%       | 3.254%     |
| 9      | 10.257   | 1246       | 1253     | 1263      | rVB   | 1634049     | 2634859    | 32.25%       | 3.020%     |
| 10     | 10.392   | 1268       | 1276     | 1283      | rBV   | 1868309     | 3013937    | 36.89%       | 3.454%     |
| 11     | 13.445   | 1793       | 1795     | 1802      | rVB5  | 6306        | 12117      | 0.15%        | 0.014%     |
| 12     | 13.563   | 1808       | 1815     | 1830      | rVB   | 3394744     | 4493480    | 55.00%       | 5.150%     |
| 13     | 13.828   | 1852       | 1860     | 1868      | rBV   | 3664680     | 5335710    | 65.31%       | 6.115%     |
| 14     | 14.139   | 1905       | 1913     | 1922      | rBV   | 2388745     | 3427531    | 41.96%       | 3.928%     |
| 15     | 14.345   | 1941       | 1948     | 1963      | rBV   | 1442379     | 2164603    | 26.50%       | 2.481%     |
| 16     | 14.798   | 2022       | 2025     | 2029      | rVB4  | 6971        | 9662       | 0.12%        | 0.011%     |
| 17     | 14.922   | 2043       | 2046     | 2051      | rBV4  | 6333        | 9933       | 0.12%        | 0.011%     |
| 18     | 14.992   | 2056       | 2058     | 2061      | rVB3  | 8696        | 8360       | 0.10%        | 0.010%     |
| 19     | 15.139   | 2075       | 2083     | 2092      | rBV   | 4609501     | 6261730    | 76.65%       | 7.176%     |
| 20     | 15.257   | 2097       | 2103     | 2113      | rBV   | 951466      | 1316024    | 16.11%       | 1.508%     |
| 21     | 15.380   | 2121       | 2124     | 2130      | rVB3  | 55113       | 70946      | 0.87%        | 0.081%     |
| 22     | 15.927   | 2212       | 2217     | 2224      | rVB7  | 20748       | 29507      | 0.36%        | 0.034%     |
| 23     | 16.574   | 2323       | 2327     | 2330      | rVB4  | 11961       | 15993      | 0.20%        | 0.018%     |
| 24     | 16.674   | 2341       | 2344     | 2349      | rVB3  | 16487       | 22373      | 0.27%        | 0.026%     |
| 25     | 16.810   | 2363       | 2367     | 2370      | rBV2  | 7425        | 10663      | 0.13%        | 0.012%     |
| 26     | 16.886   | 2374       | 2380     | 2387      | rVB   | 2874062     | 3964125    | 48.52%       | 4.543%     |
| 27     | 16.986   | 2390       | 2397     | 2404      | rBV2  | 5000214     | 6880659    | 84.23%       | 7.885%     |
| 28     | 17.833   | 2537       | 2541     | 2546      | rBV5  | 22960       | 37791      | 0.46%        | 0.043%     |
| 29     | 18.380   | 2630       | 2634     | 2635      | rBV3  | 8693        | 10501      | 0.13%        | 0.012%     |
| 30     | 18.515   | 2652       | 2657     | 2659      | rBV3  | 5733        | 8589       | 0.11%        | 0.010%     |
| 31     | 18.992   | 2734       | 2738     | 2739      | rBV4  | 7238        | 9733       | 0.12%        | 0.011%     |
| 32     | 19.133   | 2758       | 2762     | 2764      | rVV5  | 12078       | 13543      | 0.17%        | 0.016%     |
| 33     | 19.174   | 2766       | 2769     | 2774      | rVV2  | 40704       | 55190      | 0.68%        | 0.063%     |
| 34     | 19.292   | 2783       | 2789     | 2796      | rBV   | 6074413     | 7897893    | 96.68%       | 9.051%     |

## LSC Area Percent Report

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Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
H0BQ6

## Integration Parameters: LSCINT.P

Integrator: RTE  
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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-BM010820MA.M  
Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 35 | 20.268 | 2953 | 2955 | 2958 | rBV4 | 16063   | 14174   | 0.17%   | 0.016% |
| 36 | 21.098 | 3090 | 3096 | 3103 | rBV  | 3535023 | 4542293 | 55.60%  | 5.206% |
| 37 | 21.739 | 3202 | 3205 | 3208 | rVB2 | 123853  | 126087  | 1.54%   | 0.144% |
| 38 | 22.186 | 3277 | 3281 | 3289 | rVB  | 280444  | 350585  | 4.29%   | 0.402% |
| 39 | 22.668 | 3360 | 3363 | 3370 | rVB  | 387052  | 535106  | 6.55%   | 0.613% |
| 40 | 23.097 | 3429 | 3436 | 3447 | rVB  | 4788809 | 8169309 | 100.00% | 9.362% |
| 41 | 23.227 | 3451 | 3458 | 3468 | rVB  | 2988754 | 5621486 | 68.81%  | 6.442% |
| 42 | 23.827 | 3555 | 3560 | 3569 | rVB  | 462452  | 879014  | 10.76%  | 1.007% |
| 43 | 24.539 | 3675 | 3681 | 3690 | rVB  | 433172  | 879027  | 10.76%  | 1.007% |
| 44 | 25.362 | 3817 | 3821 | 3828 | rVB4 | 258787  | 536651  | 6.57%   | 0.615% |

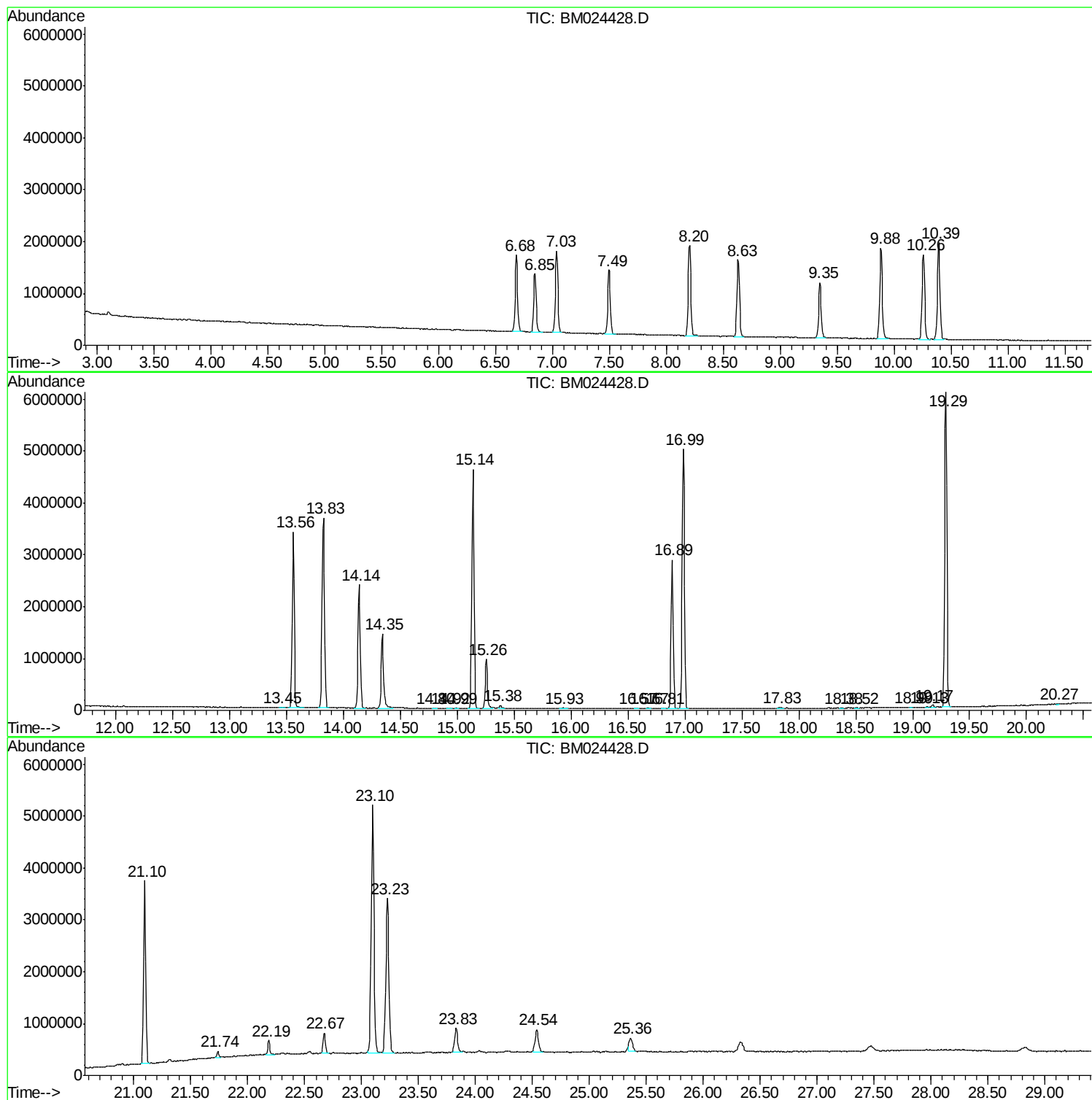
Sum of corrected areas: 87258481

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM010820MA.M  
Quant Title : SVOA CALIBRATION

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



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Acq On : 09 Jan 2020 17:19  
Operator : JU  
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Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
H0BQ6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM010820MA.M  
Quant Title : SVOA CALIBRATION

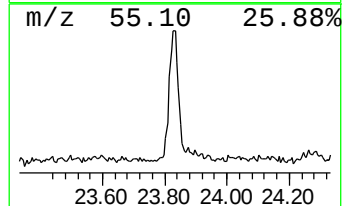
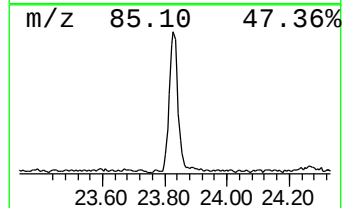
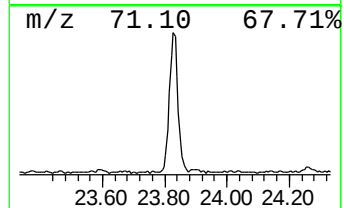
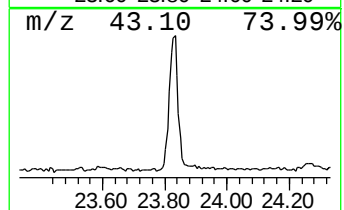
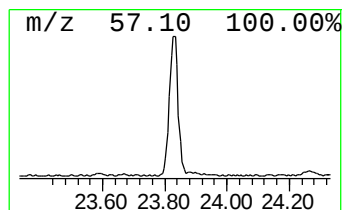
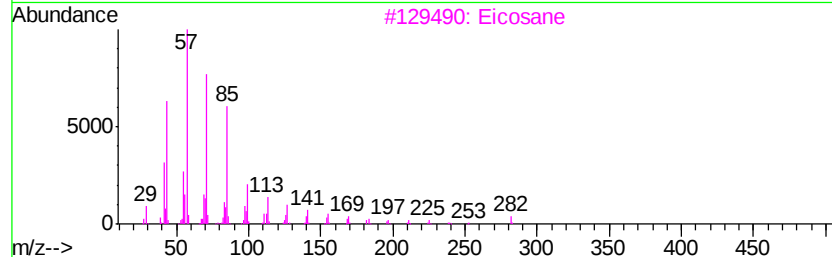
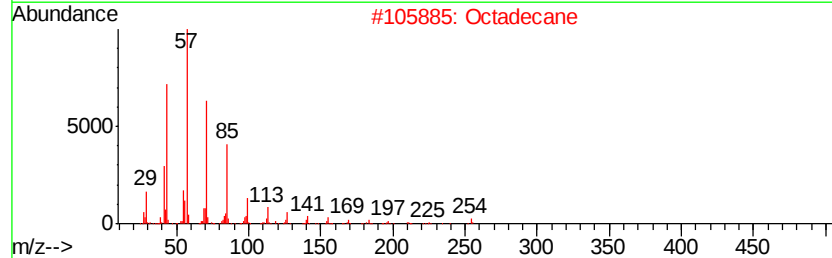
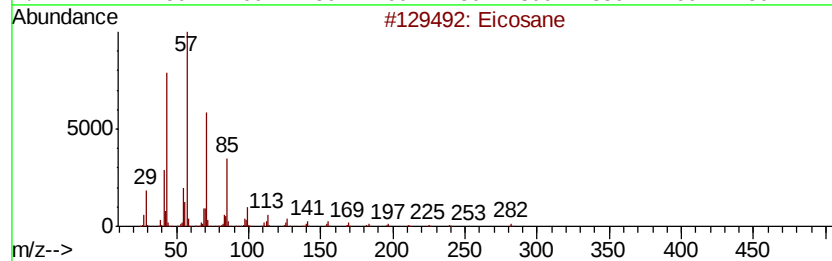
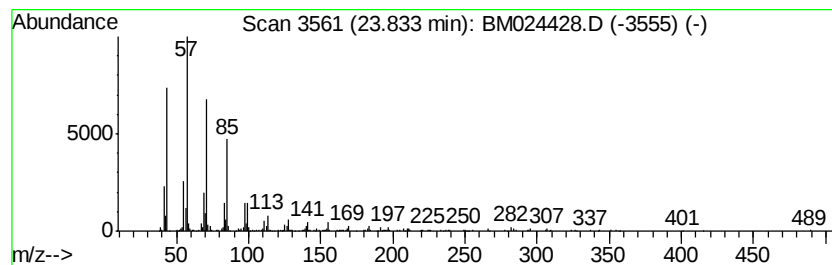
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 23.83 | 3.13 ng/ul | 879014 | Perylene-d12     | 23.23 |

| Hit# | of                | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|-------------------|---|--------------|-----|---------|-------------|------|
| 1    | Eicosane          |   |              | 282 | C20H42  | 000112-95-8 | 96   |
| 2    | Octadecane        |   |              | 254 | C18H38  | 000593-45-3 | 95   |
| 3    | Eicosane          |   |              | 282 | C20H42  | 000112-95-8 | 93   |
| 4    | Octacosane        |   |              | 394 | C28H58  | 000630-02-4 | 90   |
| 5    | Tetratetracontane |   |              | 619 | C44H90  | 007098-22-8 | 90   |



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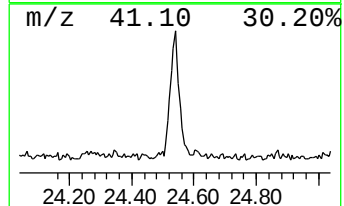
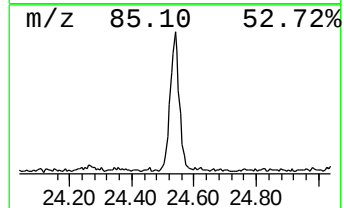
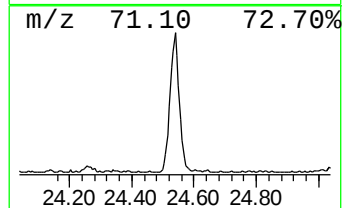
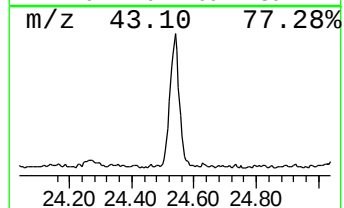
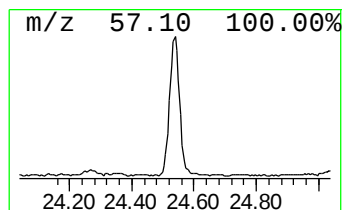
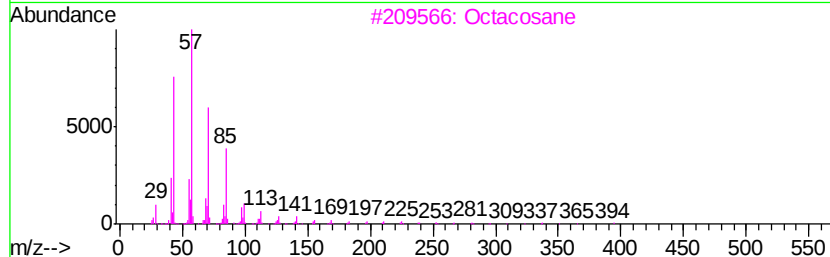
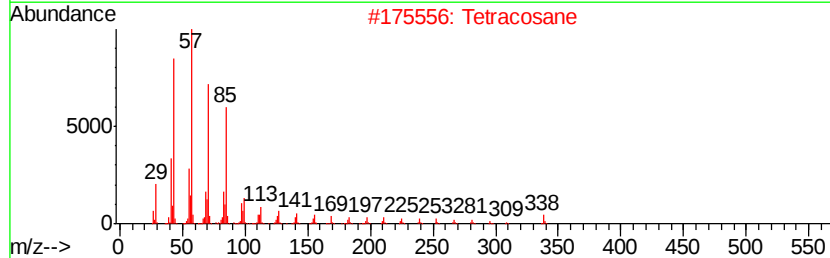
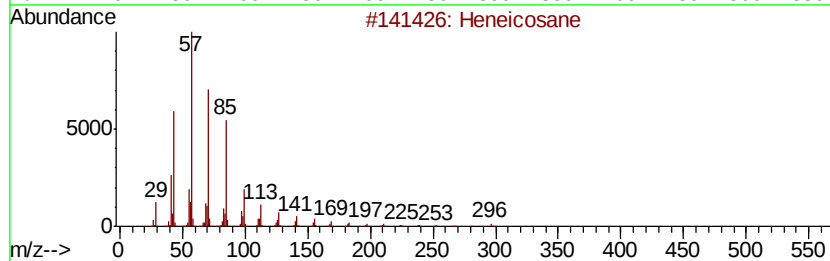
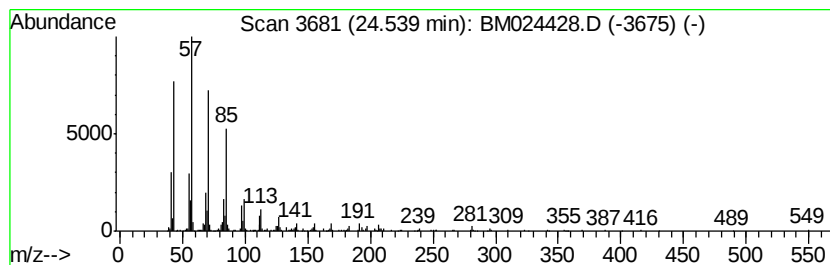
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TIC Integration Parameters: LSCINT.P

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Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 24.54 | 3.13 ng/ul | 879027 | Perylene-d12     | 23.23 |

| Hit# | of | 5 | Tentative ID       | MW  | MolForm | CAS#         | Qual |
|------|----|---|--------------------|-----|---------|--------------|------|
| 1    |    |   | Heneicosane        | 296 | C21H44  | 000629-94-7  | 95   |
| 2    |    |   | Tetracosane        | 338 | C24H50  | 000646-31-1  | 91   |
| 3    |    |   | Octacosane         | 394 | C28H58  | 000630-02-4  | 90   |
| 4    |    |   | Tetracosane        | 338 | C24H50  | 000646-31-1  | 90   |
| 5    |    |   | 2-methyloctacosane | 408 | C29H60  | 1000376-72-8 | 90   |



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Quant Title : SVOA CALIBRATION

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|                      |       |         |       |          | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
| TIC Top Hit name     | RT    | EstConc | Units | Response | #                     | RT    | Resp    | Conc |
| (DEL) Alkane: Str... | 23.83 | 3.1     | ng/ul | 879014   | 6                     | 23.23 | 5621490 | 20.0 |
| (DEL) Alkane: Str... | 24.54 | 3.1     | ng/ul | 879027   | 6                     | 23.23 | 5621490 | 20.0 |