

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081716\  
 Data File : BM007142.D  
 Acq On : 16 Aug 2016 13:36  
 Operator : UM/SJ  
 Sample : H4314-03DL 2X  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BDJT2DL

## 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-BM081116.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      | 6.975    | 738        | 746      | 758       | rBV   | 474921      | 769290     | 12.15%       | 1.609%     |
| 2      | 7.145    | 768        | 775      | 783       | rBV   | 362554      | 566332     | 8.94%        | 1.185%     |
| 3      | 7.339    | 801        | 808      | 816       | rBV   | 501148      | 819145     | 12.94%       | 1.713%     |
| 4      | 7.810    | 881        | 888      | 897       | rVB   | 794349      | 1284478    | 20.29%       | 2.687%     |
| 5      | 8.504    | 1000       | 1006     | 1014      | rBV   | 591906      | 961914     | 15.19%       | 2.012%     |
| 6      | 8.963    | 1076       | 1084     | 1093      | rBV   | 433785      | 731623     | 11.55%       | 1.530%     |
| 7      | 9.681    | 1198       | 1206     | 1214      | rBV   | 347124      | 588157     | 9.29%        | 1.230%     |
| 8      | 10.210   | 1289       | 1296     | 1311      | rBV   | 585826      | 1007090    | 15.90%       | 2.106%     |
| 9      | 10.592   | 1353       | 1361     | 1369      | rBV   | 1037168     | 1745229    | 27.56%       | 3.650%     |
| 10     | 10.727   | 1376       | 1384     | 1396      | rBV   | 508512      | 917520     | 14.49%       | 1.919%     |
| 11     | 13.845   | 1908       | 1914     | 1919      | rBV   | 1071340     | 1537563    | 24.28%       | 3.216%     |
| 12     | 13.892   | 1919       | 1922     | 1931      | rVB   | 342538      | 470852     | 7.44%        | 0.985%     |
| 13     | 14.127   | 1953       | 1962     | 1973      | rBV   | 1197535     | 1793272    | 28.32%       | 3.751%     |
| 14     | 14.439   | 2008       | 2015     | 2023      | rVB2  | 1476562     | 2309184    | 36.47%       | 4.830%     |
| 15     | 14.633   | 2042       | 2048     | 2060      | rBV   | 348763      | 598176     | 9.45%        | 1.251%     |
| 16     | 15.427   | 2177       | 2183     | 2190      | rBV   | 1561304     | 2330343    | 36.80%       | 4.874%     |
| 17     | 15.545   | 2198       | 2203     | 2211      | rBV   | 289618      | 425673     | 6.72%        | 0.890%     |
| 18     | 17.180   | 2475       | 2481     | 2487      | rBV   | 2006144     | 2915818    | 46.05%       | 6.099%     |
| 19     | 17.280   | 2492       | 2498     | 2507      | rVB   | 1722476     | 2557851    | 40.40%       | 5.350%     |
| 20     | 19.233   | 2827       | 2830     | 2836      | rVB   | 95158       | 127642     | 2.02%        | 0.267%     |
| 21     | 19.568   | 2881       | 2887     | 2899      | rBV   | 2365099     | 3484594    | 55.03%       | 7.288%     |
| 22     | 21.074   | 3140       | 3143     | 3148      | rBV4  | 88489       | 137540     | 2.17%        | 0.288%     |
| 23     | 21.144   | 3152       | 3155     | 3162      | rVB   | 101550      | 135579     | 2.14%        | 0.284%     |
| 24     | 21.280   | 3173       | 3178     | 3185      | rBV   | 5666986     | 6332004    | 100.00%      | 13.244%    |
| 25     | 21.362   | 3186       | 3192     | 3197      | rBV   | 3002072     | 3997692    | 63.13%       | 8.362%     |
| 26     | 22.950   | 3458       | 3462     | 3468      | rVB2  | 183434      | 270491     | 4.27%        | 0.566%     |
| 27     | 23.491   | 3547       | 3554     | 3567      | rVB2  | 1875954     | 3987802    | 62.98%       | 8.341%     |
| 28     | 23.638   | 3572       | 3579     | 3587      | rVB2  | 2090922     | 4113754    | 64.97%       | 8.604%     |
| 29     | 24.185   | 3668       | 3672     | 3682      | rVB2  | 230864      | 427509     | 6.75%        | 0.894%     |
| 30     | 24.950   | 3797       | 3802     | 3811      | rVB2  | 209755      | 466095     | 7.36%        | 0.975%     |

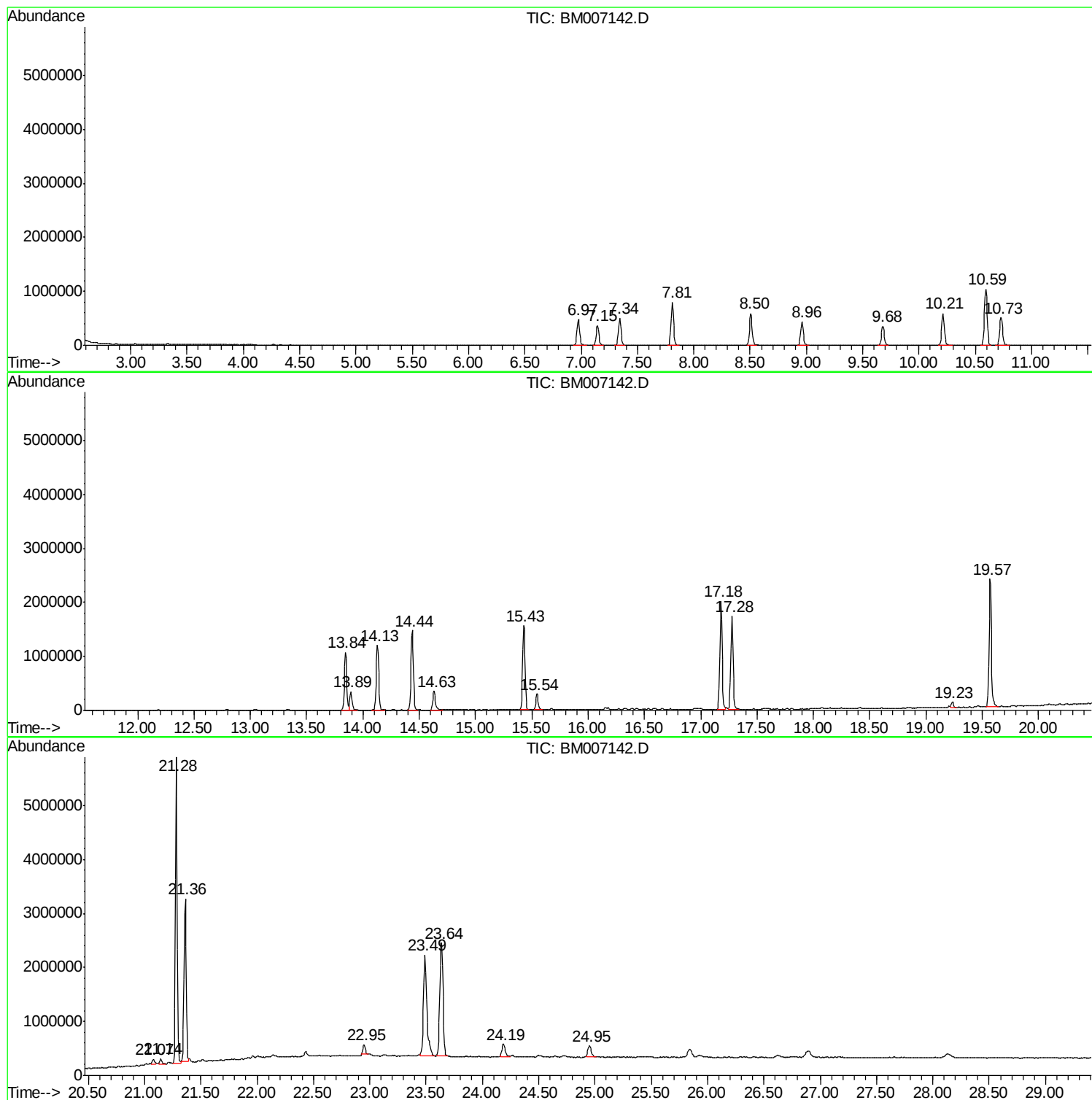
Sum of corrected areas: 47810212

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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM081116.M  
Quant Title : SVOA CALIBRATION

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



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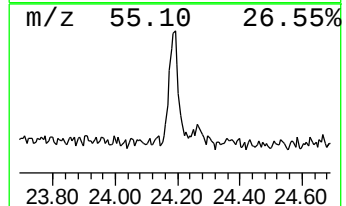
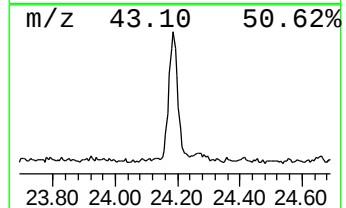
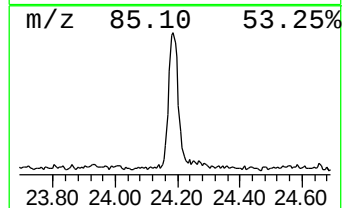
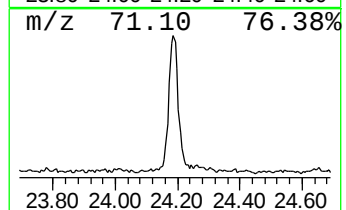
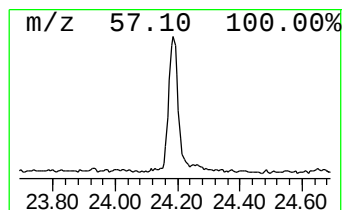
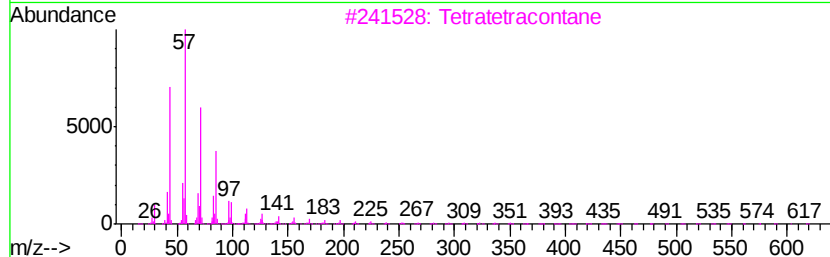
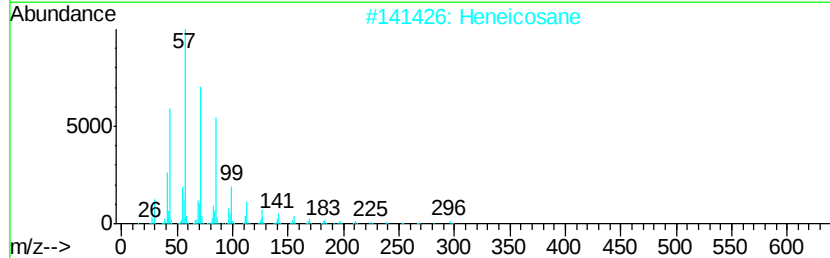
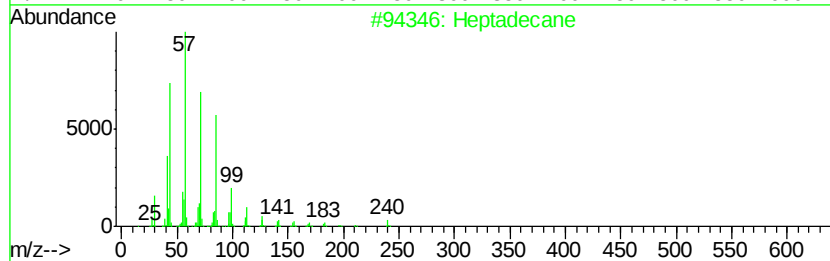
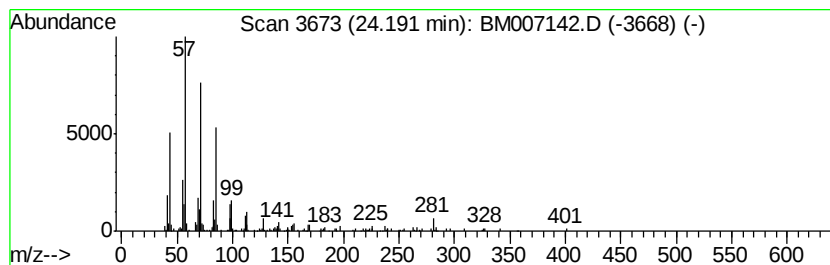
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Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 24.19 | 2.08 ng/ul | 427509 | Perylene-d12     | 23.63 |

| Hit# | of | Tentative ID       | MW  | MolForm | CAS#         | Qual |
|------|----|--------------------|-----|---------|--------------|------|
| 1    | 5  | Heptadecane        | 240 | C17H36  | 000629-78-7  | 93   |
| 2    |    | Heneicosane        | 296 | C21H44  | 000629-94-7  | 91   |
| 3    |    | Tetratetracontane  | 619 | C44H90  | 007098-22-8  | 90   |
| 4    |    | 2-methyloctacosane | 408 | C29H60  | 1000376-72-8 | 90   |
| 5    |    | Hexacosane         | 366 | C26H54  | 000630-01-3  | 87   |



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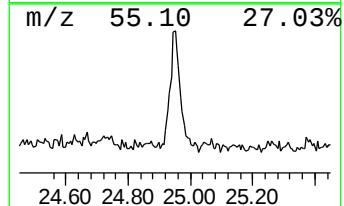
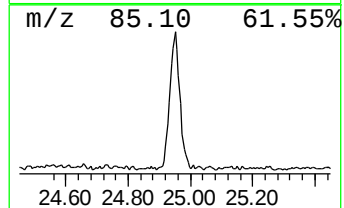
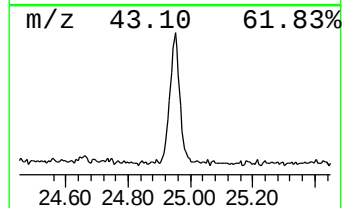
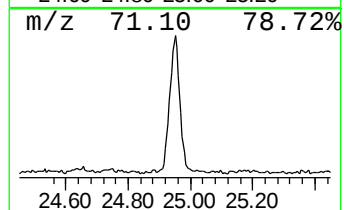
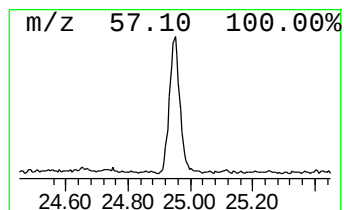
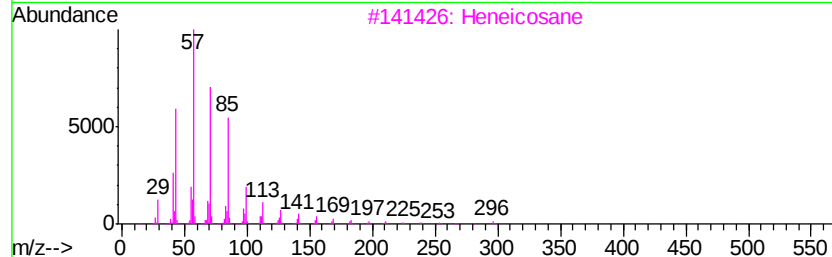
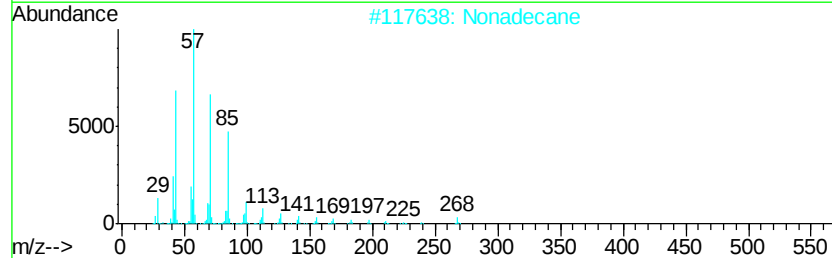
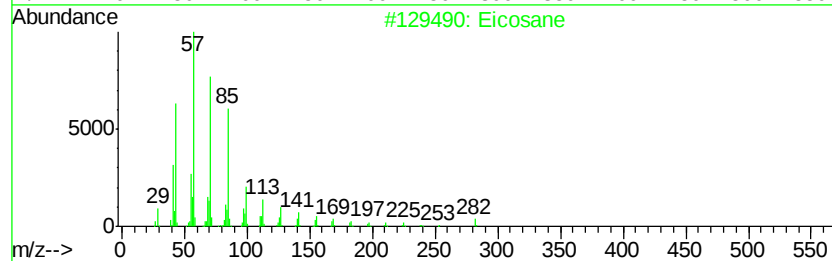
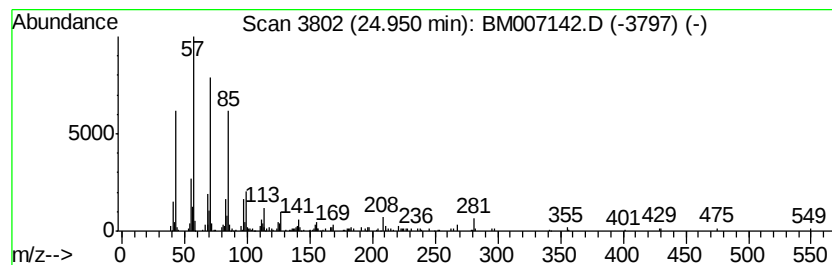
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Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 24.95 | 2.27 ng/ul | 466095 | Perylene-d12     | 23.63 |

| Hit# | of | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|--------------|-----|---------|-------------|------|
| 1    | 5  | Eicosane     | 282 | C20H42  | 000112-95-8 | 96   |
| 2    |    | Nonadecane   | 268 | C19H40  | 000629-92-5 | 95   |
| 3    |    | Heneicosane  | 296 | C21H44  | 000629-94-7 | 87   |
| 4    |    | Tetracosane  | 338 | C24H50  | 000646-31-1 | 87   |
| 5    |    | Heptacosane  | 380 | C27H56  | 000593-49-7 | 87   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| (DEL) Alkane: Str... | 24.19 | 2.1     | ng/ul | 427509   | 6                     | 23.63 | 4113750 | 20.0 |
| (DEL) Alkane: Str... | 24.95 | 2.3     | ng/ul | 466095   | 6                     | 23.63 | 4113750 | 20.0 |