

Data Path : Z:\HPCHEM1\BNA M\DATA\BM062316\  
 Data File : BM005947.D  
 Acq On : 24 Jun 2016 01:48  
 Operator : UM/SJ  
 Sample : H3612-17  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9Z35

## 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-BM062216.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         | 3.440       | 142           | 145         | 153          | rBV      | 59574          | 87458         | 1.34%           | 0.115%        |
| 2         | 6.834       | 715           | 722         | 732          | rBV      | 1078196        | 1797206       | 27.56%          | 2.356%        |
| 3         | 7.004       | 744           | 751         | 763          | rBV      | 826776         | 1339402       | 20.54%          | 1.756%        |
| 4         | 7.193       | 776           | 783         | 795          | rBV      | 1074525        | 1775782       | 27.23%          | 2.328%        |
| 5         | 7.663       | 856           | 863         | 872          | rBV      | 1219570        | 1986456       | 30.46%          | 2.604%        |
| 6         | 8.363       | 973           | 982         | 997          | rBV      | 1323930        | 2204785       | 33.81%          | 2.890%        |
| 7         | 8.816       | 1051          | 1059        | 1073         | rBV      | 1010777        | 1729909       | 26.53%          | 2.268%        |
| 8         | 9.528       | 1173          | 1180        | 1193         | rBV      | 800602         | 1388808       | 21.30%          | 1.821%        |
| 9         | 10.063      | 1264          | 1271        | 1286         | rBV      | 1229850        | 2165459       | 33.21%          | 2.839%        |
| 10        | 10.445      | 1328          | 1336        | 1346         | rBV      | 1596226        | 2867822       | 43.98%          | 3.760%        |
| 11        | 10.581      | 1351          | 1359        | 1372         | rBV      | 1204650        | 2169973       | 33.28%          | 2.845%        |
| 12        | 13.722      | 1886          | 1893        | 1898         | rBV      | 2080085        | 3094192       | 47.45%          | 4.056%        |
| 13        | 13.769      | 1898          | 1901        | 1911         | rVB      | 698888         | 962363        | 14.76%          | 1.262%        |
| 14        | 13.998      | 1932          | 1940        | 1952         | rBV      | 2456800        | 3772433       | 57.85%          | 4.946%        |
| 15        | 14.221      | 1973          | 1978        | 1986         | rBV      | 42632          | 68031         | 1.04%           | 0.089%        |
| 16        | 14.310      | 1986          | 1993        | 2002         | rVB2     | 2232004        | 3634512       | 55.74%          | 4.765%        |
| 17        | 14.504      | 2019          | 2026        | 2041         | rBV      | 1151193        | 1698476       | 26.05%          | 2.227%        |
| 18        | 15.174      | 2136          | 2140        | 2147         | rBV      | 70412          | 99774         | 1.53%           | 0.131%        |
| 19        | 15.304      | 2155          | 2162        | 2171         | rBV      | 3222931        | 4688840       | 71.91%          | 6.147%        |
| 20        | 15.421      | 2176          | 2182        | 2195         | rVB      | 921590         | 1338262       | 20.52%          | 1.754%        |
| 21        | 15.545      | 2197          | 2203        | 2207         | rBV2     | 45013          | 79181         | 1.21%           | 0.104%        |
| 22        | 16.039      | 2282          | 2287        | 2295         | rBV      | 92926          | 175586        | 2.69%           | 0.230%        |
| 23        | 16.833      | 2417          | 2422        | 2428         | rBV2     | 77092          | 120984        | 1.86%           | 0.159%        |
| 24        | 17.057      | 2453          | 2460        | 2469         | rBV2     | 2966869        | 4422706       | 67.83%          | 5.798%        |
| 25        | 17.157      | 2470          | 2477        | 2490         | rVB      | 3525788        | 5119941       | 78.52%          | 6.712%        |
| 26        | 17.957      | 2609          | 2613        | 2621         | rBV2     | 120210         | 183681        | 2.82%           | 0.241%        |
| 27        | 19.086      | 2800          | 2805        | 2811         | rBV      | 50938          | 78622         | 1.21%           | 0.103%        |
| 28        | 19.245      | 2827          | 2832        | 2844         | rBV4     | 36493          | 76211         | 1.17%           | 0.100%        |
| 29        | 19.451      | 2861          | 2867        | 2875         | rBV2     | 4172553        | 6164520       | 94.54%          | 8.081%        |
| 30        | 20.968      | 3121          | 3125        | 3134         | rBV      | 298570         | 425135        | 6.52%           | 0.557%        |
| 31        | 21.250      | 3167          | 3173        | 3185         | rBV      | 4140171        | 5603374       | 85.93%          | 7.346%        |
| 32        | 21.850      | 3271          | 3275        | 3278         | rBV3     | 87490          | 150775        | 2.31%           | 0.198%        |
| 33        | 22.009      | 3298          | 3302        | 3307         | rBV      | 224520         | 296872        | 4.55%           | 0.389%        |
| 34        | 22.809      | 3433          | 3438        | 3442         | rBV      | 453379         | 676140        | 10.37%          | 0.886%        |

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Max Peaks: 100  
Peak Location: TOP

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|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 35 | 23.327 | 3518 | 3526 | 3540 | rBV2 | 3270239 | 6520585 | 100.00% | 8.548% |
| 36 | 23.468 | 3542 | 3550 | 3563 | rVB  | 2828441 | 5568967 | 85.41%  | 7.301% |
| 37 | 24.009 | 3637 | 3642 | 3649 | rVB  | 196347  | 365808  | 5.61%   | 0.480% |
| 38 | 24.086 | 3651 | 3655 | 3664 | rVB4 | 124016  | 244776  | 3.75%   | 0.321% |
| 39 | 27.038 | 4149 | 4157 | 4171 | rVB4 | 364295  | 1135637 | 17.42%  | 1.489% |

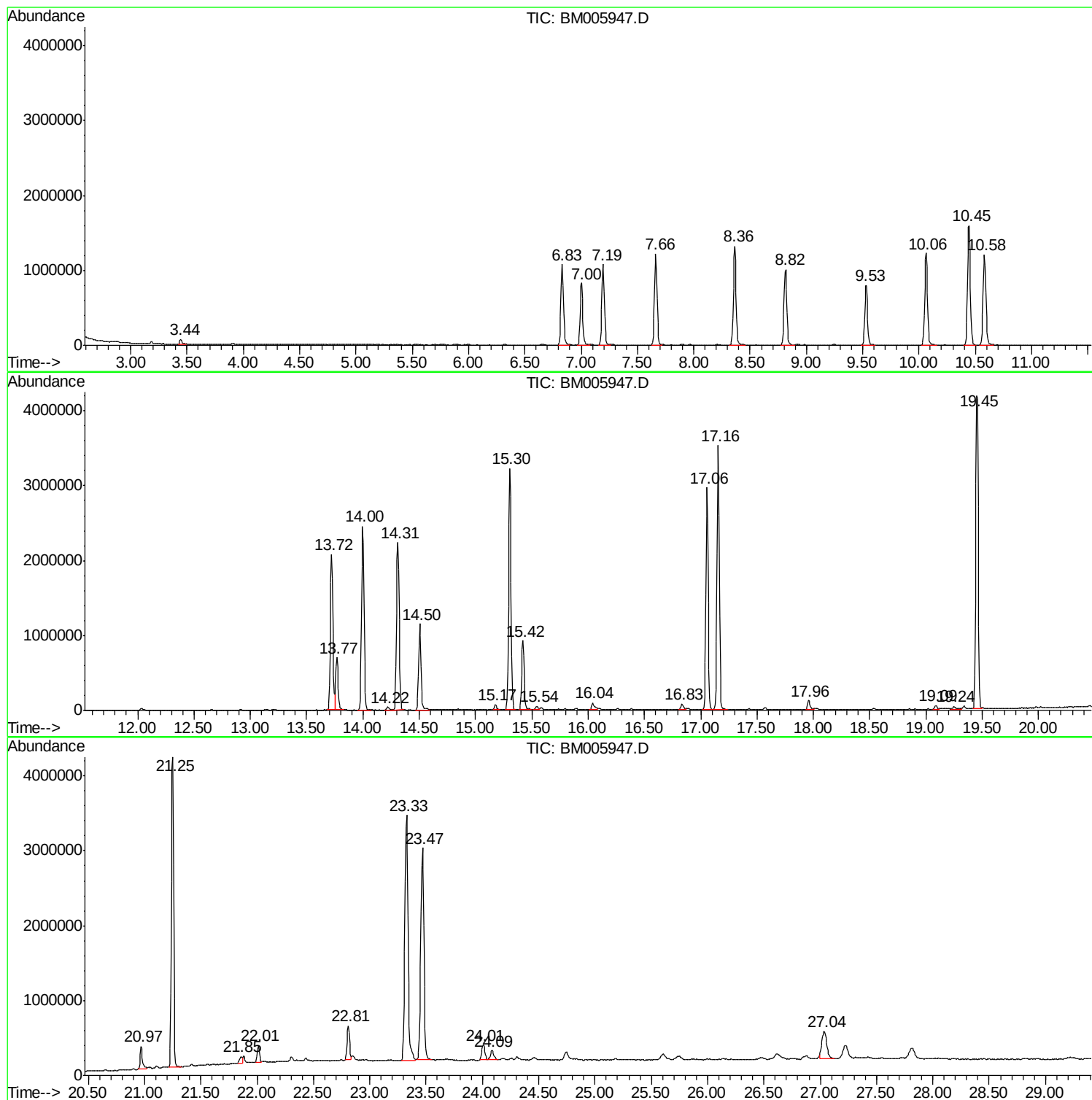
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ClientSampled :  
D9Z35

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM062216.M  
Quant Title : SVOA CALIBRATION

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



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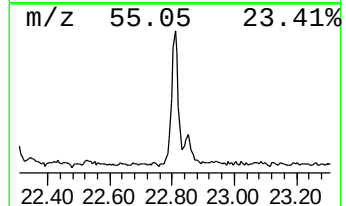
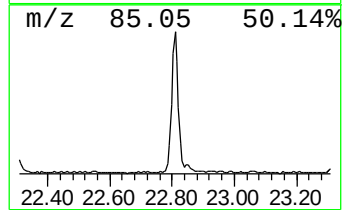
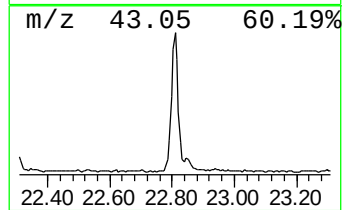
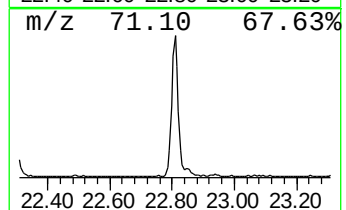
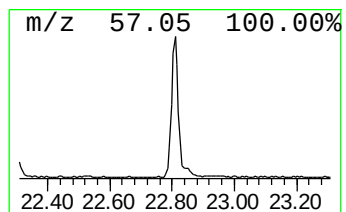
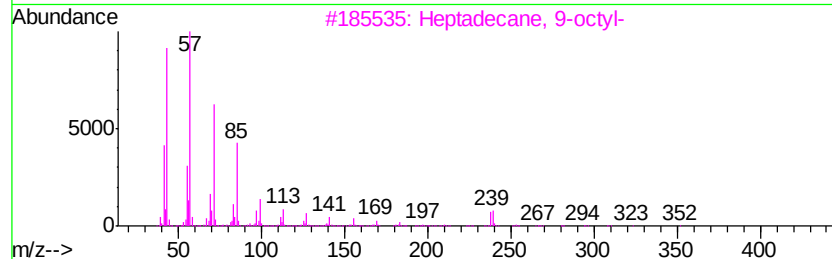
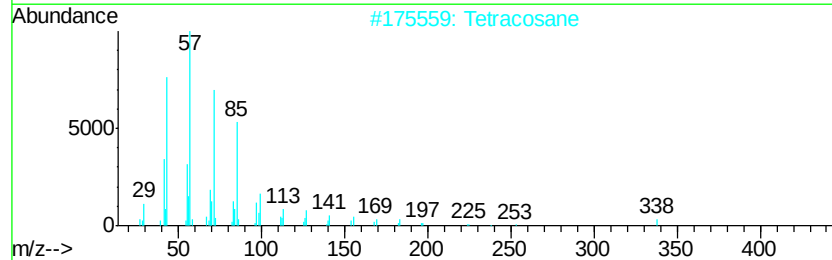
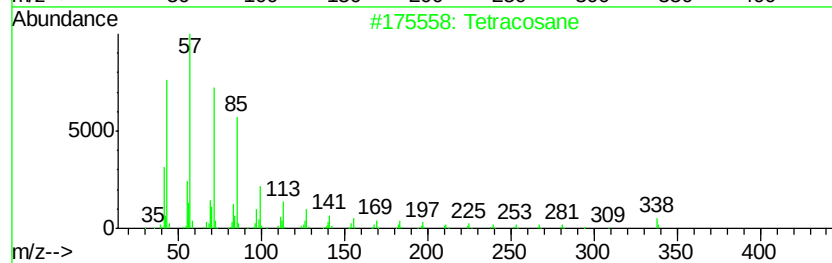
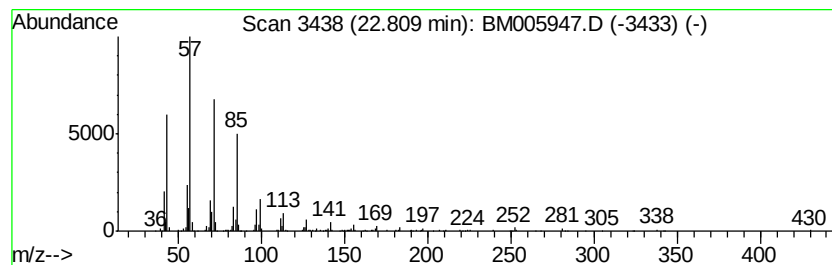
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TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 22.81 | 2.43 ng/ul | 676140 | Perylene-d12     | 23.47 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Tetracosane           | 338 | C24H50  | 000646-31-1 | 97   |
| 2    |    | Tetracosane           | 338 | C24H50  | 000646-31-1 | 96   |
| 3    |    | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1 | 91   |
| 4    |    | Heneicosane           | 296 | C21H44  | 000629-94-7 | 91   |
| 5    |    | Triacontane           | 422 | C30H62  | 000638-68-6 | 91   |



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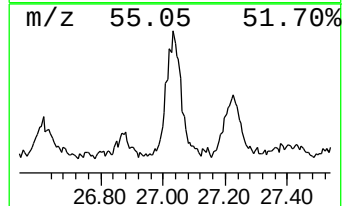
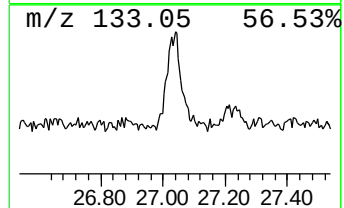
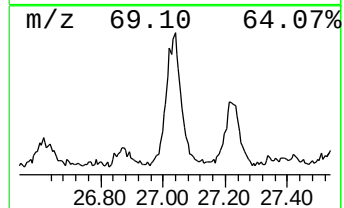
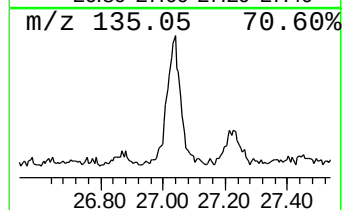
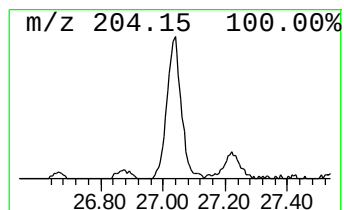
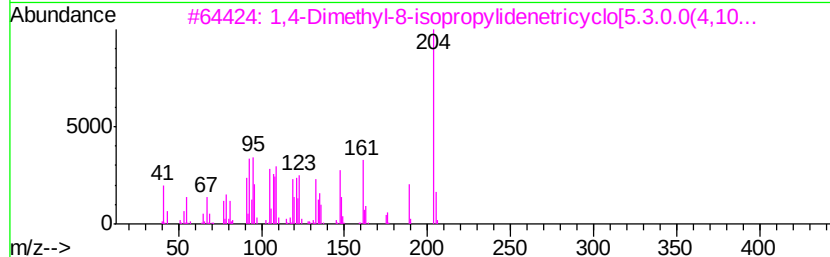
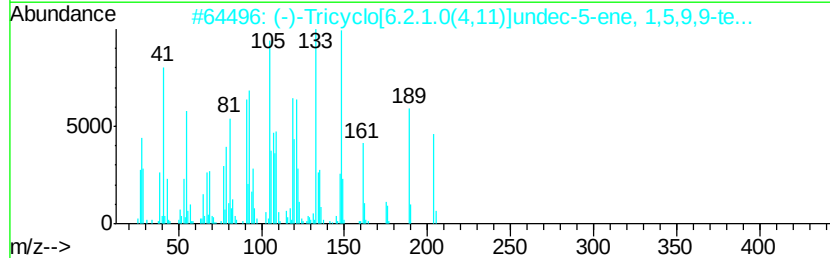
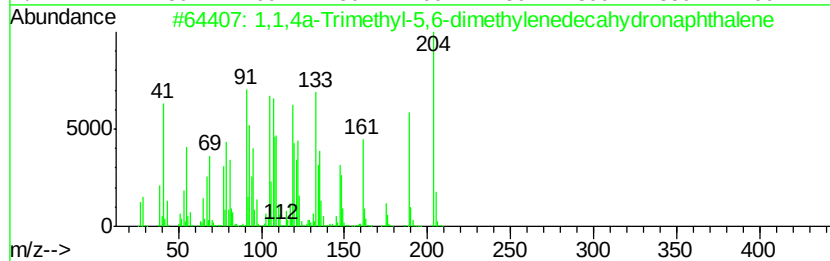
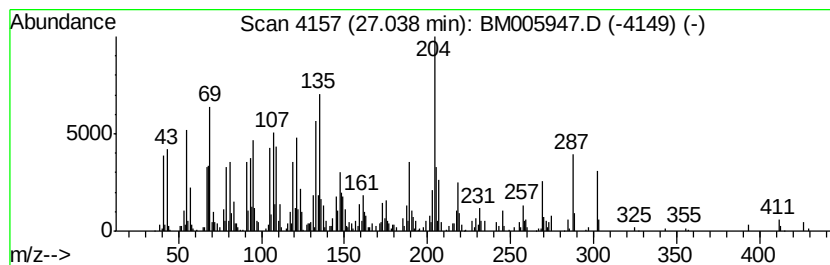
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Peak Number 2 1,1,4a-Trimethyl-5,6-dimeth... Concentration Rank 1

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 27.04 | 4.08 ng/ul | 1135640 | Perylene-d12     | 23.47 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|-------------------------------------|-----|---------|--------------|------|
| 1    | 5  | 1,1,4a-Trimethyl-5,6-dimethylene... | 204 | C15H24  | 1000193-60-8 | 59   |
| 2    |    | (-)-Tricyclo[6.2.1.0(4,11)]undec... | 204 | C15H24  | 1000154-06-7 | 53   |
| 3    |    | 1,4-Dimethyl-8-isopropylidenetri... | 204 | C15H24  | 1000140-07-7 | 50   |
| 4    |    | 1H-Cyclopropylazulene, 1a,2,3,4...  | 204 | C15H24  | 000489-40-7  | 43   |
| 5    |    | 1,3-Dimethyl-5-(propen-1-yl)adam... | 204 | C15H24  | 057040-48-9  | 35   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | ---Internal Standard--- |       |         |      |
|----------------------|-------|---------|-------|----------|-------------------------|-------|---------|------|
|                      |       |         |       |          | #                       | RT    | Resp    | Conc |
| (DEL) Alkane: Str... | 22.81 | 2.4     | ng/ul | 676140   | 6                       | 23.47 | 5568970 | 20.0 |
| 1,1,4a-Trimethyl-... | 27.04 | 4.1     | ng/ul | 1135640  | 6                       | 23.47 | 5568970 | 20.0 |