

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111219\  
 Data File : BM023686.D  
 Acq On : 13 Nov 2019 04:37  
 Operator : JU  
 Sample : K5579-08  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BEJP6

## 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 # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|--------|----------|------------|----------|-----------|-------|-------------|------------|--------------|------------|
| 1      | 3.069    | 28         | 31       | 44        | rVB   | 120334      | 193797     | 0.94%        | 0.106%     |
| 2      | 3.699    | 134        | 138      | 147       | rVB2  | 28535       | 59187      | 0.29%        | 0.033%     |
| 3      | 3.787    | 150        | 153      | 158       | rVB2  | 22858       | 28763      | 0.14%        | 0.016%     |
| 4      | 5.216    | 391        | 396      | 403       | rVB2  | 19194       | 43036      | 0.21%        | 0.024%     |
| 5      | 6.734    | 645        | 654      | 665       | rBV   | 655675      | 1174579    | 5.71%        | 0.645%     |
| 6      | 6.887    | 672        | 680      | 693       | rBV   | 1977908     | 3159620    | 15.35%       | 1.736%     |
| 7      | 7.081    | 706        | 713      | 725       | rBV   | 2196372     | 3483886    | 16.93%       | 1.914%     |
| 8      | 7.540    | 784        | 791      | 800       | rBV   | 2039196     | 3219142    | 15.64%       | 1.768%     |
| 9      | 7.622    | 802        | 805      | 810       | rVB3  | 13017       | 23219      | 0.11%        | 0.013%     |
| 10     | 8.257    | 906        | 913      | 923       | rBV   | 1865114     | 2989059    | 14.52%       | 1.642%     |
| 11     | 8.692    | 978        | 987      | 999       | rBV   | 2639265     | 4247968    | 20.64%       | 2.334%     |
| 12     | 9.151    | 1059       | 1065     | 1073      | rVB2  | 37537       | 61622      | 0.30%        | 0.034%     |
| 13     | 9.410    | 1101       | 1109     | 1121      | rBV   | 2259126     | 3716878    | 18.06%       | 2.042%     |
| 14     | 9.951    | 1193       | 1201     | 1214      | rBV   | 3544885     | 6037739    | 29.34%       | 3.317%     |
| 15     | 10.316   | 1253       | 1263     | 1273      | rBV   | 3297519     | 5453972    | 26.50%       | 2.996%     |
| 16     | 10.463   | 1282       | 1288     | 1301      | rVB   | 176673      | 328170     | 1.59%        | 0.180%     |
| 17     | 11.916   | 1528       | 1535     | 1541      | rBV2  | 66001       | 114377     | 0.56%        | 0.063%     |
| 18     | 12.816   | 1683       | 1688     | 1691      | rBV3  | 20598       | 30195      | 0.15%        | 0.017%     |
| 19     | 13.621   | 1817       | 1825     | 1829      | rBV   | 7268595     | 9952970    | 48.36%       | 5.468%     |
| 20     | 13.663   | 1829       | 1832     | 1839      | rVB   | 598040      | 807826     | 3.93%        | 0.444%     |
| 21     | 13.886   | 1861       | 1870     | 1886      | rBV   | 8540924     | 12499655   | 60.74%       | 6.867%     |
| 22     | 14.127   | 1906       | 1911     | 1915      | rVB6  | 13903       | 20969      | 0.10%        | 0.012%     |
| 23     | 14.198   | 1915       | 1923     | 1934      | rBV2  | 5854449     | 8718551    | 42.37%       | 4.790%     |
| 24     | 14.421   | 1955       | 1961     | 1975      | rBV   | 610775      | 1084548    | 5.27%        | 0.596%     |
| 25     | 14.639   | 1992       | 1998     | 2002      | rVB8  | 35344       | 66074      | 0.32%        | 0.036%     |
| 26     | 15.198   | 2086       | 2093     | 2103      | rBV   | 11169069    | 15681334   | 76.20%       | 8.615%     |
| 27     | 15.327   | 2109       | 2115     | 2128      | rBV   | 3260083     | 4333289    | 21.06%       | 2.381%     |
| 28     | 15.433   | 2128       | 2133     | 2138      | rVB   | 129822      | 201653     | 0.98%        | 0.111%     |
| 29     | 15.980   | 2222       | 2226     | 2233      | rVB2  | 51321       | 80704      | 0.39%        | 0.044%     |
| 30     | 16.504   | 2311       | 2315     | 2320      | rVB2  | 68735       | 92770      | 0.45%        | 0.051%     |
| 31     | 16.627   | 2332       | 2336     | 2341      | rVB4  | 25106       | 37195      | 0.18%        | 0.020%     |
| 32     | 16.733   | 2350       | 2354     | 2360      | rBV2  | 43007       | 67257      | 0.33%        | 0.037%     |
| 33     | 16.945   | 2384       | 2390     | 2400      | rBV   | 7554203     | 10768240   | 52.33%       | 5.916%     |
| 34     | 17.045   | 2400       | 2407     | 2423      | rVV   | 11543900    | 16852972   | 81.89%       | 9.258%     |

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 Peak Location: TOP

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Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM111119MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |          |          |         |         |
|----|--------|------|------|------|------|----------|----------|---------|---------|
| 35 | 17.327 | 2450 | 2455 | 2459 | rBV6 | 21337    | 46984    | 0.23%   | 0.026%  |
| 36 | 17.627 | 2504 | 2506 | 2513 | rVB8 | 19503    | 32746    | 0.16%   | 0.018%  |
| 37 | 17.868 | 2543 | 2547 | 2552 | rBV  | 143719   | 211414   | 1.03%   | 0.116%  |
| 38 | 18.174 | 2595 | 2599 | 2603 | rBV3 | 63913    | 108101   | 0.53%   | 0.059%  |
| 39 | 18.751 | 2694 | 2697 | 2705 | rVB9 | 42356    | 63249    | 0.31%   | 0.035%  |
| 40 | 18.980 | 2732 | 2736 | 2744 | rBV  | 166800   | 230031   | 1.12%   | 0.126%  |
| 41 | 19.156 | 2764 | 2766 | 2772 | rBV7 | 29515    | 47648    | 0.23%   | 0.026%  |
| 42 | 19.233 | 2775 | 2779 | 2785 | rVB  | 135051   | 192748   | 0.94%   | 0.106%  |
| 43 | 19.351 | 2790 | 2799 | 2810 | rBV  | 15074840 | 20578961 | 100.00% | 11.305% |
| 44 | 20.886 | 3056 | 3060 | 3065 | rBV2 | 431670   | 572073   | 2.78%   | 0.314%  |
| 45 | 21.150 | 3099 | 3105 | 3112 | rBV  | 8614509  | 11316091 | 54.99%  | 6.217%  |
| 46 | 21.756 | 3205 | 3208 | 3213 | rVB  | 302291   | 349510   | 1.70%   | 0.192%  |
| 47 | 22.203 | 3281 | 3284 | 3290 | rVB  | 657858   | 755383   | 3.67%   | 0.415%  |
| 48 | 22.691 | 3363 | 3367 | 3373 | rVB  | 986619   | 1317936  | 6.40%   | 0.724%  |
| 49 | 23.174 | 3442 | 3449 | 3455 | rBV  | 8971886  | 15614767 | 75.88%  | 8.578%  |
| 50 | 23.238 | 3456 | 3460 | 3465 | rVV  | 1199593  | 1877866  | 9.13%   | 1.032%  |
| 51 | 23.309 | 3466 | 3472 | 3483 | rVB  | 5149459  | 9188839  | 44.65%  | 5.048%  |
| 52 | 23.856 | 3560 | 3565 | 3573 | rVB  | 1064625  | 1961112  | 9.53%   | 1.077%  |
| 53 | 24.574 | 3682 | 3687 | 3695 | rVB  | 889279   | 1933261  | 9.39%   | 1.062%  |

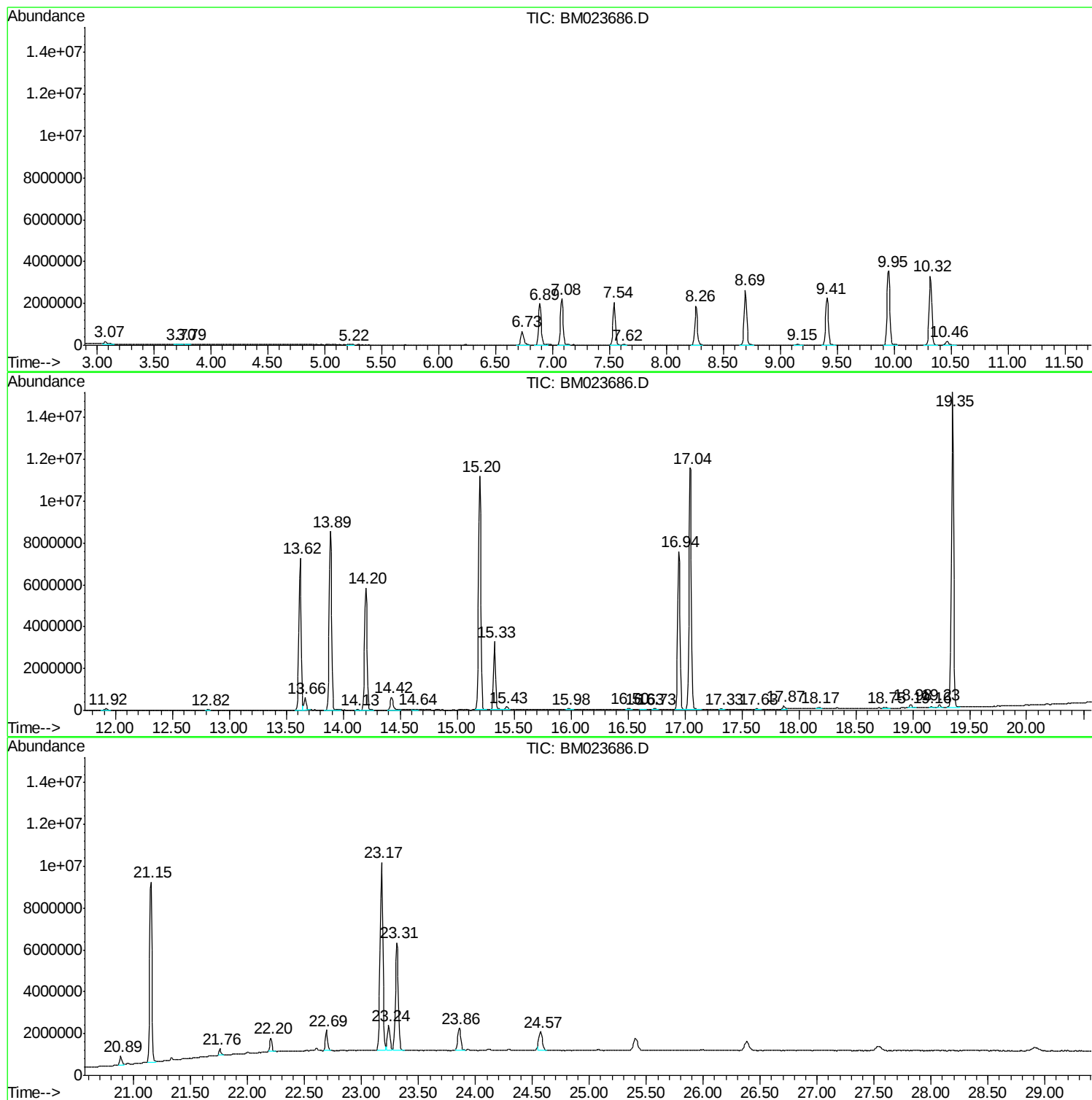
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM11119MA.M  
Quant Title : SVOA CALIBRATION

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



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Data File : BM023686.D  
Acq On : 13 Nov 2019 04:37  
Operator : JU  
Sample : K5579-08  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BEJP6

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

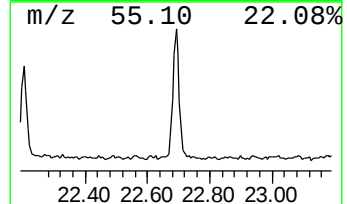
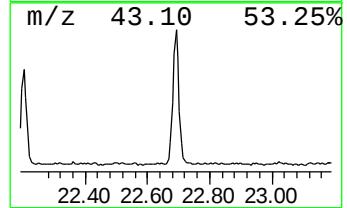
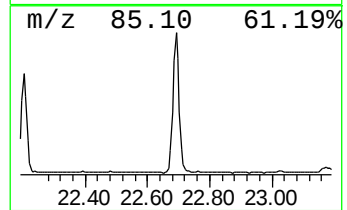
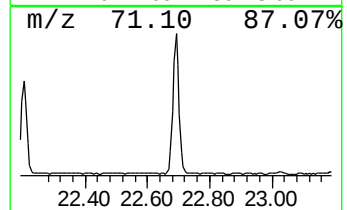
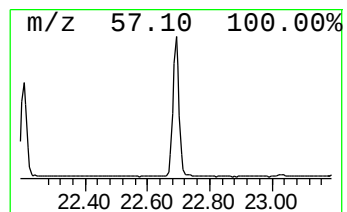
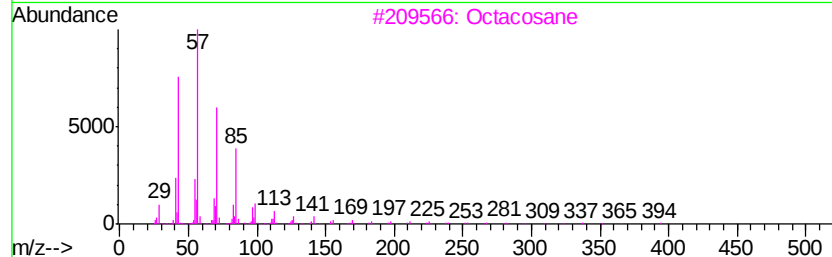
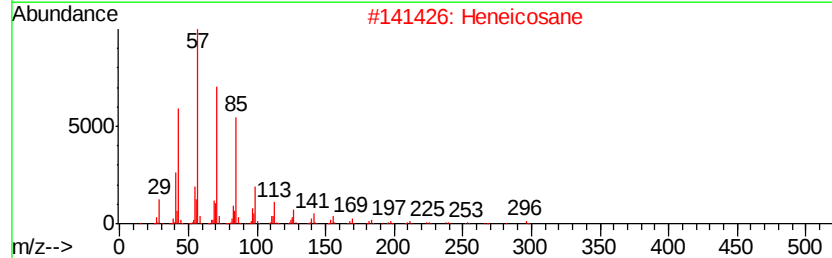
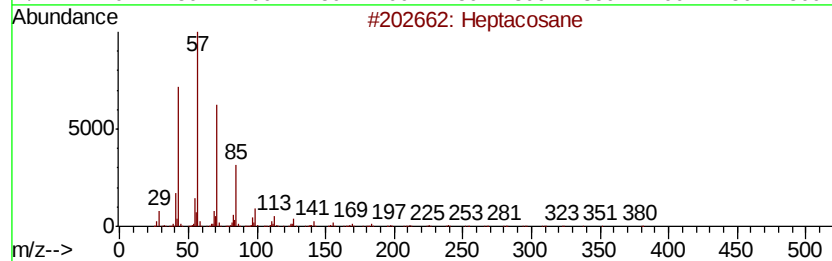
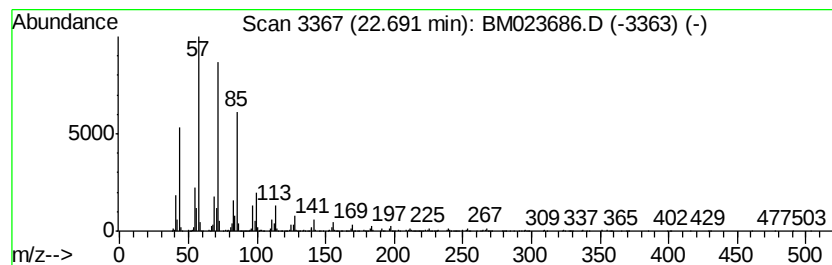
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 22.69 | 2.87 ng/ul | 1317940 | Perylene-d12     | 23.31 |

| Hit# | of | Tentative ID       | MW  | MolForm | CAS#         | Qual |
|------|----|--------------------|-----|---------|--------------|------|
| 1    | 5  | Heptacosane        | 380 | C27H56  | 000593-49-7  | 91   |
| 2    |    | Heneicosane        | 296 | C21H44  | 000629-94-7  | 91   |
| 3    |    | Octacosane         | 394 | C28H58  | 000630-02-4  | 91   |
| 4    |    | 2-methyloctacosane | 408 | C29H60  | 1000376-72-8 | 91   |
| 5    |    | Triacontane        | 422 | C30H62  | 000638-68-6  | 91   |



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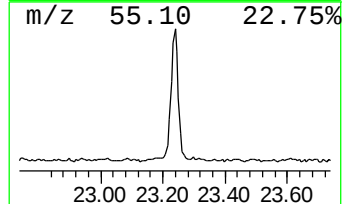
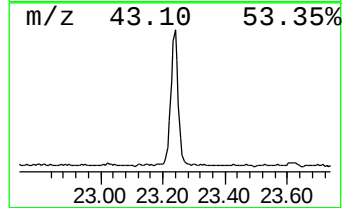
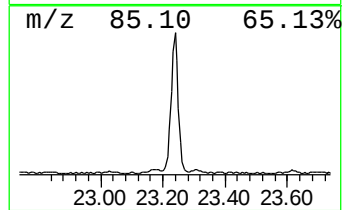
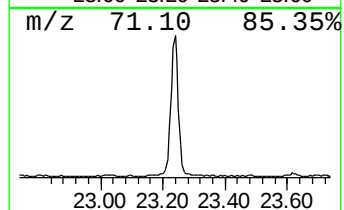
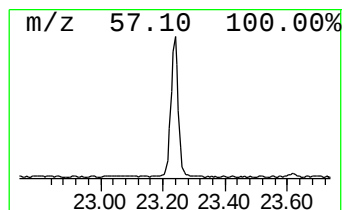
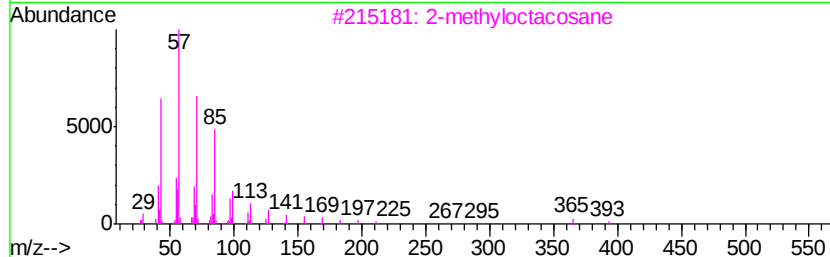
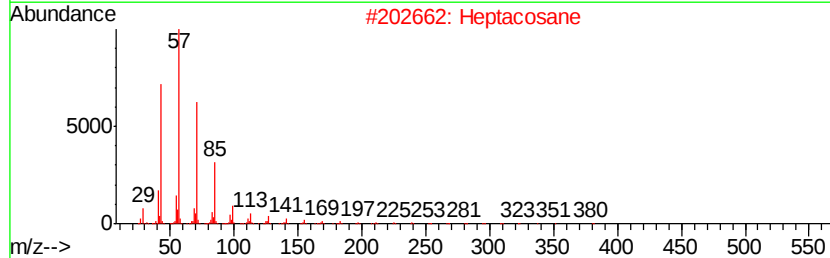
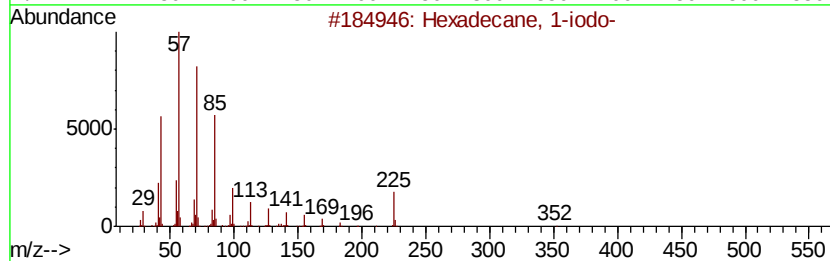
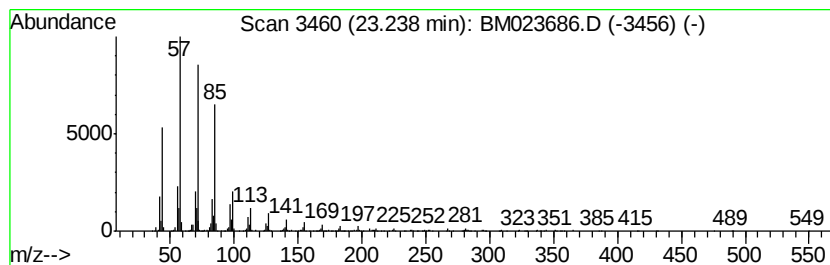
Instrument :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM11119MA.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 2 Hexadecane, 1-iodo- Concentration Rank 3

| R.T.    | EstConc             | Area         | Relative to ISTD | R.T.      |
|---------|---------------------|--------------|------------------|-----------|
| 23.24   | 4.09 ng/ul          | 1877870      | Perylene-d12     | 23.31     |
| Hit# of | 5                   | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | Hexadecane, 1-iodo- | 352 C16H33I  | 000544-77-4      | 96        |
| 2       | Heptacosane         | 380 C27H56   | 000593-49-7      | 91        |
| 3       | 2-methyloctacosane  | 408 C29H60   | 1000376-72-8     | 91        |
| 4       | Tetracosane         | 338 C24H50   | 000646-31-1      | 91        |
| 5       | Heneicosane         | 296 C21H44   | 000629-94-7      | 91        |



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Quant Title : SVOA CALIBRATION

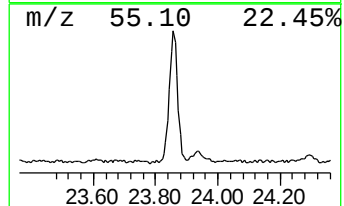
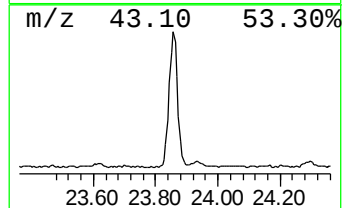
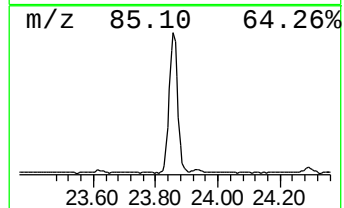
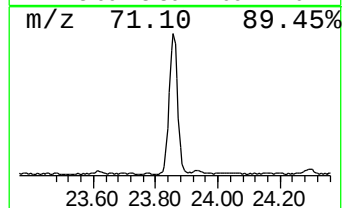
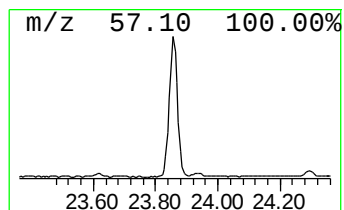
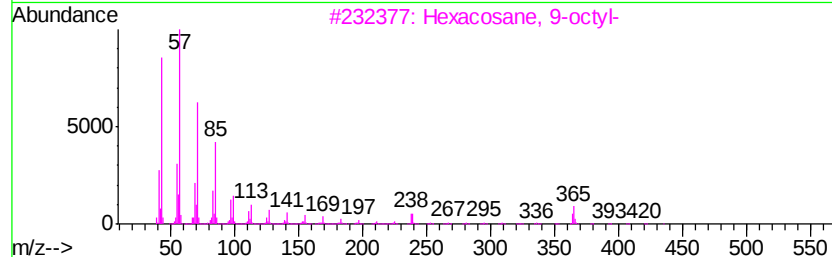
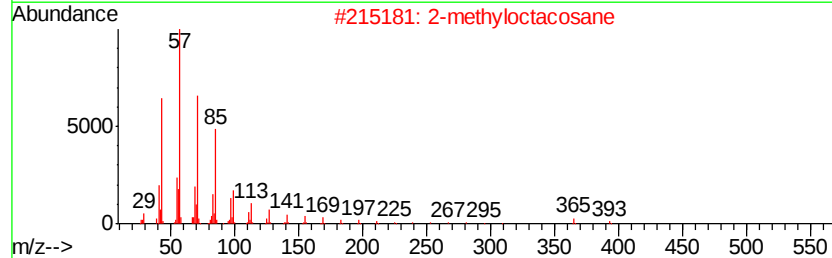
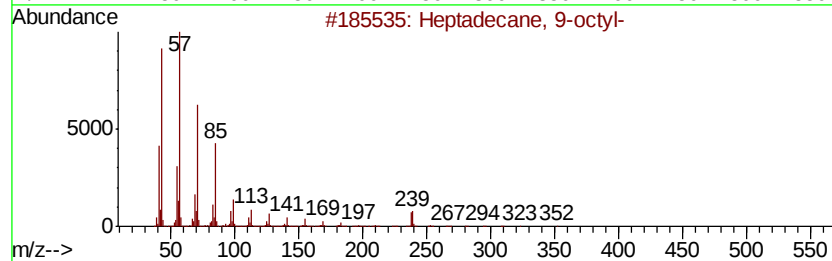
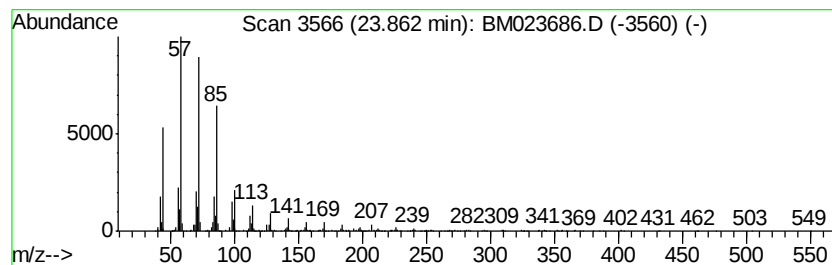
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 1

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 23.86 | 4.27 ng/ul | 1961110 | Perylene-d12     | 23.31 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#         | Qual |
|------|----|-----------------------|-----|---------|--------------|------|
| 1    | 5  | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1  | 93   |
| 2    |    | 2-methyloctacosane    | 408 | C29H60  | 1000376-72-8 | 91   |
| 3    |    | Hexacosane, 9-octyl-  | 479 | C34H70  | 055429-83-9  | 91   |
| 4    |    | Octacosane            | 394 | C28H58  | 000630-02-4  | 91   |
| 5    |    | Heneicosane           | 296 | C21H44  | 000629-94-7  | 91   |



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Quant Title : SVOA CALIBRATION

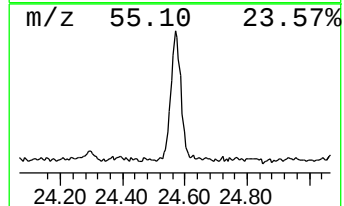
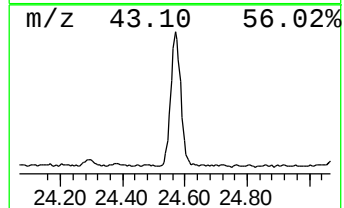
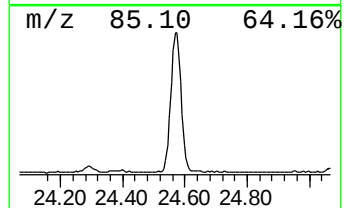
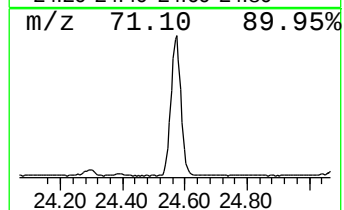
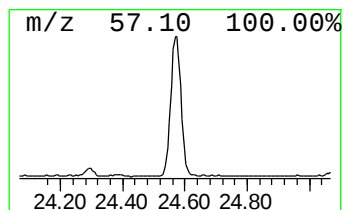
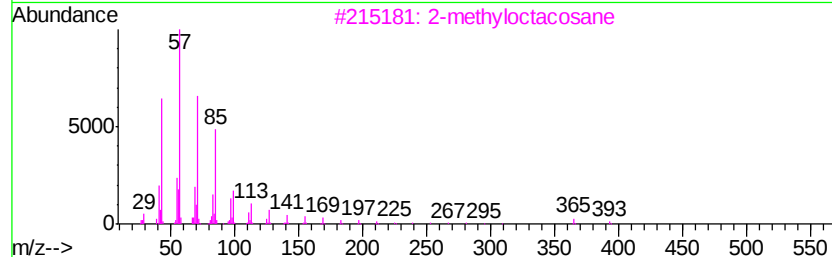
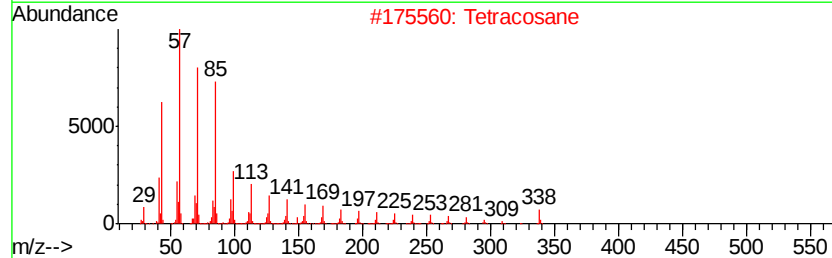
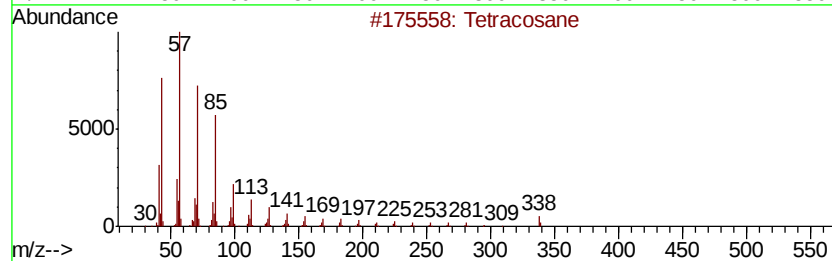
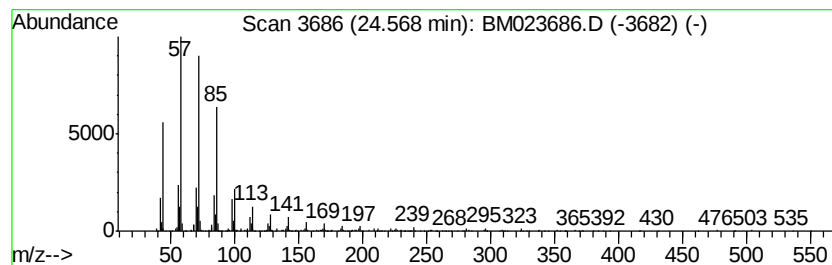
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 24.57 | 4.21 ng/ul | 1933260 | Perylene-d12     | 23.31 |

| Hit# | of | Tentative ID       | MW  | MolForm | CAS#         | Qual |
|------|----|--------------------|-----|---------|--------------|------|
| 1    | 5  | Tetracosane        | 338 | C24H50  | 000646-31-1  | 95   |
| 2    |    | Tetracosane        | 338 | C24H50  | 000646-31-1  | 94   |
| 3    |    | 2-methyloctacosane | 408 | C29H60  | 1000376-72-8 | 91   |
| 4    |    | Heneicosane        | 296 | C21H44  | 000629-94-7  | 91   |
| 5    |    | Eicosane           | 282 | C20H42  | 000112-95-8  | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM111219\  
Data File : BM023686.D  
Acq On : 13 Nov 2019 04:37  
Operator : JU  
Sample : K5579-08  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BEJP6

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| (DEL) Alkane: Str... | 22.69 | 2.9     | ng/ul | 1317940  | 6                     | 23.31 | 9188840 | 20.0 |
| Hexadecane, 1-iodo-  | 23.24 | 4.1     | ng/ul | 1877870  | 6                     | 23.31 | 9188840 | 20.0 |
| (DEL) Alkane: Str... | 23.86 | 4.3     | ng/ul | 1961110  | 6                     | 23.31 | 9188840 | 20.0 |
| (DEL) Alkane: Str... | 24.57 | 4.2     | ng/ul | 1933260  | 6                     | 23.31 | 9188840 | 20.0 |