

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM103119\  
 Data File : BM023568.D  
 Acq On : 01 Nov 2019 20:56  
 Operator : JU  
 Sample : K5511-12  
 Misc :  
 ALS Vial : 46 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BEJM8

## 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-BM102319MA.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         | 3.140       | 24            | 26          | 34           | rVB      | 122417         | 181074        | 1.38%           | 0.160%        |
| 2         | 6.787       | 641           | 646         | 654          | rBV      | 497744         | 814820        | 6.22%           | 0.720%        |
| 3         | 6.945       | 668           | 673         | 683          | rBV      | 1357952        | 2251662       | 17.19%          | 1.989%        |
| 4         | 7.145       | 701           | 707         | 718          | rVB      | 1607798        | 2655863       | 20.27%          | 2.347%        |
| 5         | 7.604       | 779           | 785         | 796          | rVB      | 1574124        | 2451358       | 18.71%          | 2.166%        |
| 6         | 8.316       | 900           | 906         | 919          | rVB      | 1313733        | 2132012       | 16.28%          | 1.884%        |
| 7         | 8.751       | 974           | 980         | 990          | rVB      | 1821460        | 3044671       | 23.24%          | 2.690%        |
| 8         | 9.475       | 1094          | 1103        | 1116         | rVB      | 1497266        | 2550871       | 19.47%          | 2.254%        |
| 9         | 10.010      | 1187          | 1194        | 1207         | rBV      | 2194363        | 3689442       | 28.16%          | 3.260%        |
| 10        | 10.380      | 1250          | 1257        | 1269         | rVB      | 2087494        | 3500606       | 26.72%          | 3.093%        |
| 11        | 10.527      | 1276          | 1282        | 1291         | rVB      | 143618         | 281019        | 2.15%           | 0.248%        |
| 12        | 11.063      | 1367          | 1373        | 1379         | rVB      | 47640          | 81902         | 0.63%           | 0.072%        |
| 13        | 11.986      | 1525          | 1530        | 1537         | rVB2     | 40377          | 71672         | 0.55%           | 0.063%        |
| 14        | 12.751      | 1653          | 1660        | 1665         | rVB3     | 28824          | 55261         | 0.42%           | 0.049%        |
| 15        | 12.804      | 1665          | 1669        | 1675         | rBV2     | 44439          | 63568         | 0.49%           | 0.056%        |
| 16        | 12.874      | 1677          | 1681        | 1686         | rVB6     | 7350           | 14592         | 0.11%           | 0.013%        |
| 17        | 13.086      | 1712          | 1717        | 1723         | rVB6     | 25376          | 47136         | 0.36%           | 0.042%        |
| 18        | 13.674      | 1810          | 1817        | 1822         | rBV      | 4434122        | 6072118       | 46.35%          | 5.365%        |
| 19        | 13.721      | 1822          | 1825        | 1832         | rVB      | 195353         | 269520        | 2.06%           | 0.238%        |
| 20        | 13.945      | 1856          | 1863        | 1873         | rBV      | 4845664        | 7205449       | 55.01%          | 6.366%        |
| 21        | 14.257      | 1908          | 1916        | 1926         | rBV      | 3077057        | 4647459       | 35.48%          | 4.106%        |
| 22        | 14.474      | 1946          | 1953        | 1964         | rBV      | 302077         | 643045        | 4.91%           | 0.568%        |
| 23        | 14.692      | 1984          | 1990        | 1996         | rVB10    | 18685          | 40343         | 0.31%           | 0.036%        |
| 24        | 15.086      | 2051          | 2057        | 2062         | rVB6     | 10338          | 15939         | 0.12%           | 0.014%        |
| 25        | 15.133      | 2062          | 2065        | 2070         | rBV6     | 11473          | 17246         | 0.13%           | 0.015%        |
| 26        | 15.251      | 2078          | 2085        | 2094         | rBV      | 6099984        | 8826707       | 67.38%          | 7.799%        |
| 27        | 15.380      | 2101          | 2107        | 2121         | rBV      | 1795506        | 2490464       | 19.01%          | 2.200%        |
| 28        | 15.492      | 2122          | 2126        | 2132         | rVB      | 72924          | 109303        | 0.83%           | 0.097%        |
| 29        | 15.874      | 2186          | 2191        | 2198         | rVV4     | 23385          | 42469         | 0.32%           | 0.038%        |
| 30        | 15.945      | 2198          | 2203        | 2204         | rVV4     | 12139          | 16626         | 0.13%           | 0.015%        |
| 31        | 15.998      | 2207          | 2212        | 2216         | rVV6     | 37030          | 68561         | 0.52%           | 0.061%        |
| 32        | 16.039      | 2216          | 2219        | 2226         | rVB5     | 29795          | 46395         | 0.35%           | 0.041%        |
| 33        | 16.686      | 2324          | 2329        | 2332         | rVB6     | 16194          | 27348         | 0.21%           | 0.024%        |
| 34        | 16.733      | 2332          | 2337        | 2341         | rBV7     | 11091          | 20564         | 0.16%           | 0.018%        |

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 Max Peaks: 100  
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 Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM102319MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |          |         |         |
|----|--------|------|------|------|------|---------|----------|---------|---------|
| 35 | 16.786 | 2344 | 2346 | 2354 | rVB4 | 21994   | 35143    | 0.27%   | 0.031%  |
| 36 | 17.003 | 2376 | 2383 | 2393 | rBV  | 3679279 | 5168453  | 39.46%  | 4.567%  |
| 37 | 17.103 | 2393 | 2400 | 2410 | rBV  | 7152396 | 10425187 | 79.59%  | 9.211%  |
| 38 | 17.692 | 2497 | 2500 | 2503 | rBV5 | 13893   | 17296    | 0.13%   | 0.015%  |
| 39 | 17.921 | 2534 | 2539 | 2548 | rBV2 | 138996  | 235555   | 1.80%   | 0.208%  |
| 40 | 18.386 | 2616 | 2618 | 2625 | rBV8 | 17275   | 25854    | 0.20%   | 0.023%  |
| 41 | 19.033 | 2724 | 2728 | 2732 | rBV  | 84283   | 120432   | 0.92%   | 0.106%  |
| 42 | 19.209 | 2754 | 2758 | 2763 | rBV4 | 75214   | 116830   | 0.89%   | 0.103%  |
| 43 | 19.286 | 2767 | 2771 | 2776 | rVV  | 74590   | 111214   | 0.85%   | 0.098%  |
| 44 | 19.403 | 2785 | 2791 | 2797 | rBV  | 8887755 | 12040354 | 91.92%  | 10.638% |
| 45 | 20.944 | 3049 | 3053 | 3059 | rBV2 | 225524  | 344698   | 2.63%   | 0.305%  |
| 46 | 21.197 | 3091 | 3096 | 3106 | rBV  | 4630856 | 5898941  | 45.03%  | 5.212%  |
| 47 | 21.380 | 3124 | 3127 | 3130 | rBV  | 250529  | 255878   | 1.95%   | 0.226%  |
| 48 | 21.809 | 3197 | 3200 | 3208 | rVB  | 410018  | 462232   | 3.53%   | 0.408%  |
| 49 | 22.262 | 3274 | 3277 | 3282 | rVB  | 662094  | 799767   | 6.11%   | 0.707%  |
| 50 | 22.762 | 3358 | 3362 | 3368 | rVB  | 700662  | 1011512  | 7.72%   | 0.894%  |
| 51 | 23.250 | 3438 | 3445 | 3452 | rBV  | 7433077 | 13099436 | 100.00% | 11.574% |
| 52 | 23.315 | 3452 | 3456 | 3461 | rVV  | 756884  | 1218257  | 9.30%   | 1.076%  |
| 53 | 23.385 | 3462 | 3468 | 3478 | rVB2 | 3381546 | 6295976  | 48.06%  | 5.563%  |
| 54 | 23.944 | 3560 | 3563 | 3574 | rVB  | 576399  | 1051545  | 8.03%   | 0.929%  |

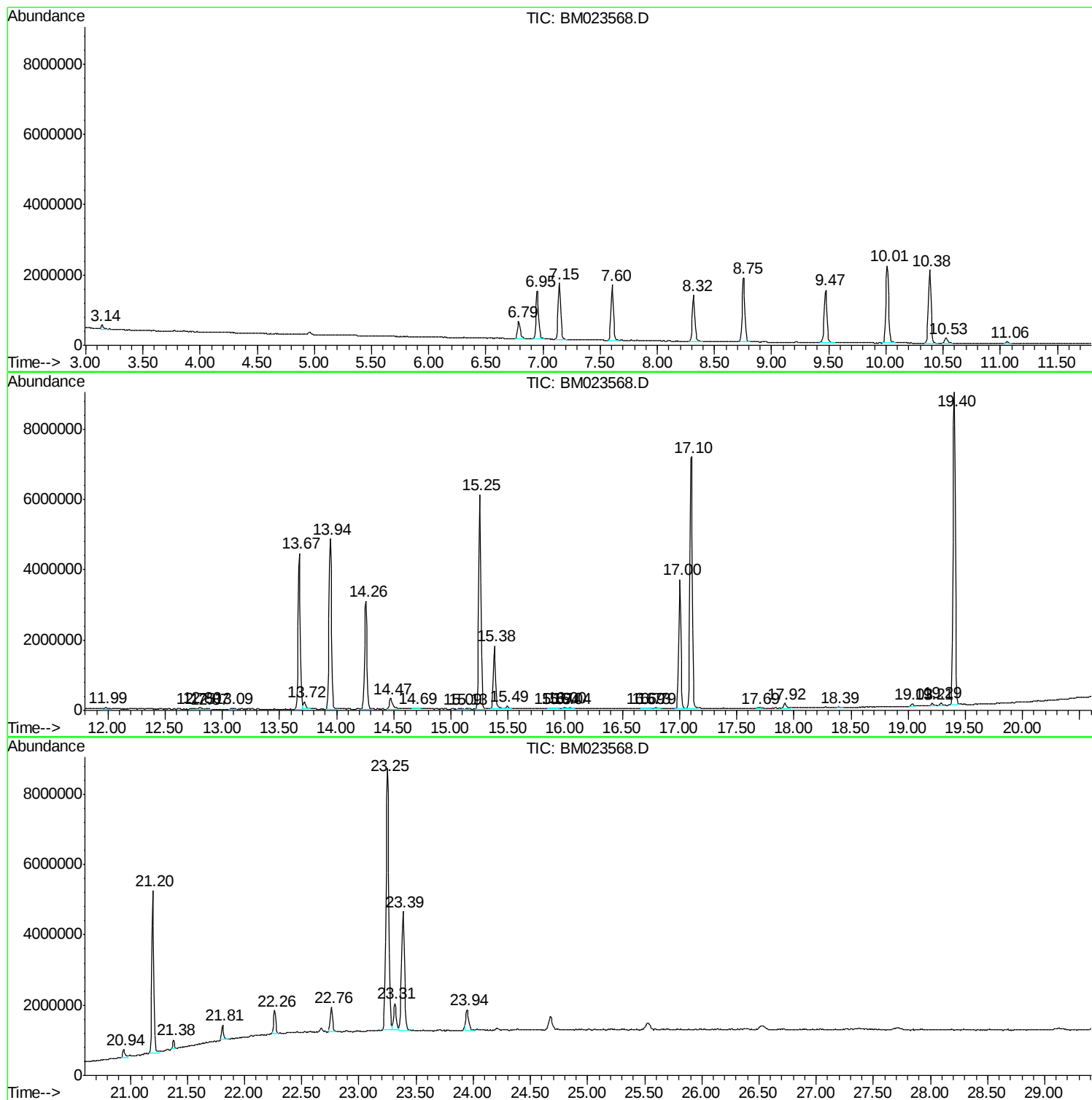
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM102319MA.M  
Quant Title : SVOA CALIBRATION

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



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Data File : BM023568.D  
Acq On : 01 Nov 2019 20:56  
Operator : JU  
Sample : K5511-12  
Misc :  
ALS Vial : 46 Sample Multiplier: 1

Instrument :  
BNA\_M  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM102319MA.M  
Quant Title : SVOA CALIBRATION

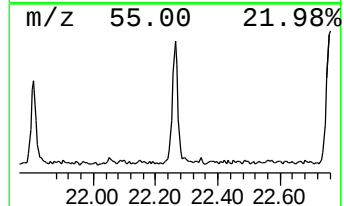
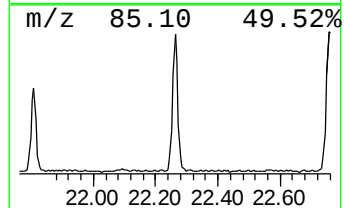
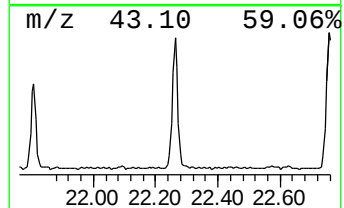
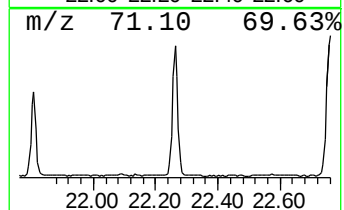
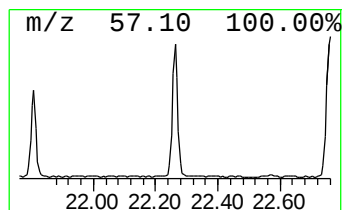
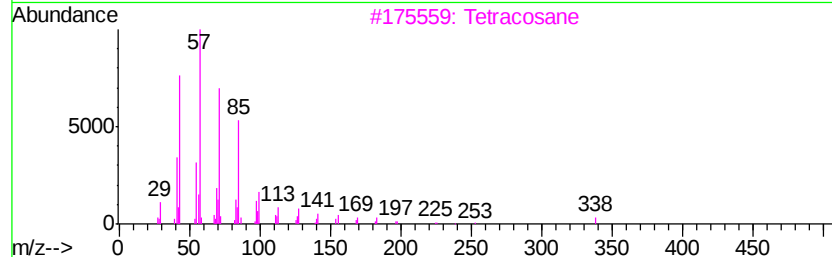
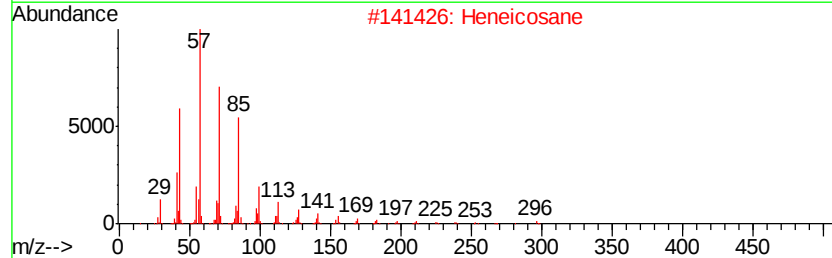
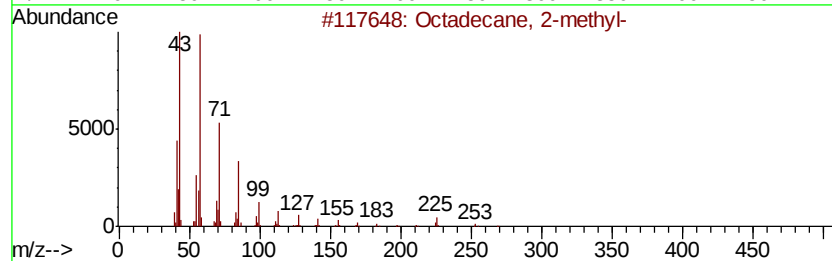
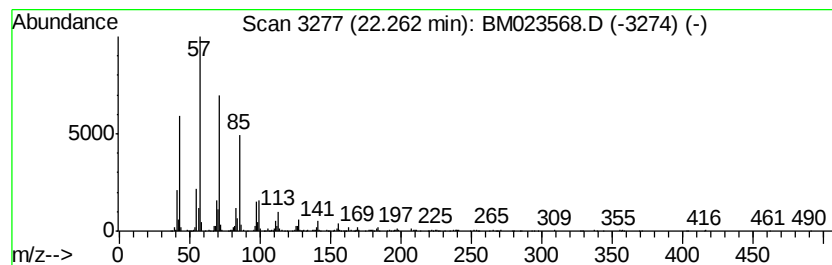
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 22.26 | 2.71 ng/ul | 799767 | Chrysene-d12     | 21.20 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Octadecane, 2-methyl- | 268 | C19H40  | 001560-88-9 | 93   |
| 2    |    | Heneicosane           | 296 | C21H44  | 000629-94-7 | 90   |
| 3    |    | Tetracosane           | 338 | C24H50  | 000646-31-1 | 90   |
| 4    |    | Hentriacontane        | 437 | C31H64  | 000630-04-6 | 87   |
| 5    |    | Octadecane            | 254 | C18H38  | 000593-45-3 | 87   |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM102319MA.M  
Quant Title : SVOA CALIBRATION

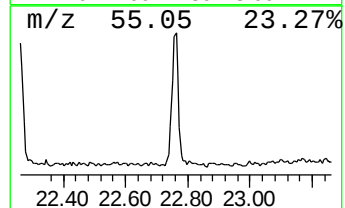
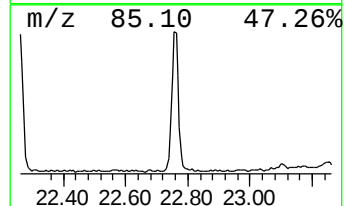
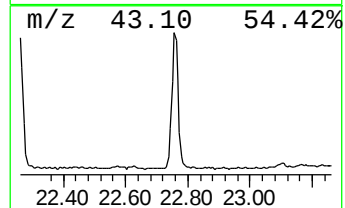
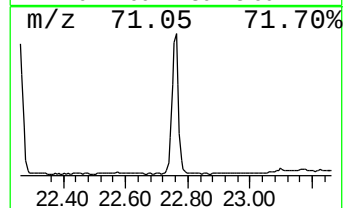
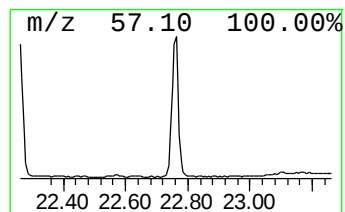
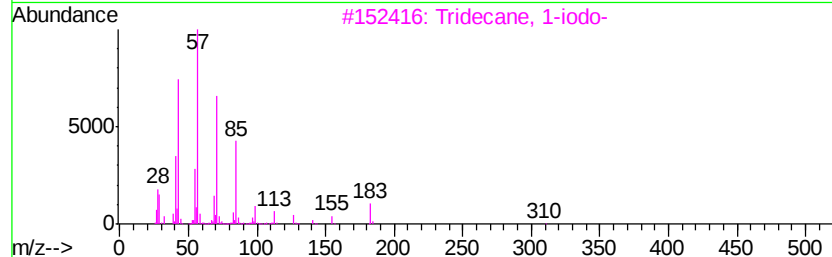
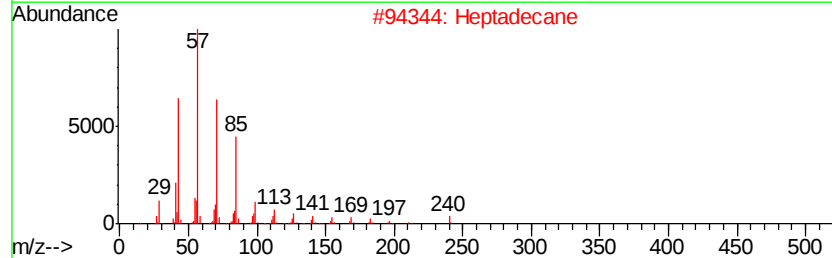
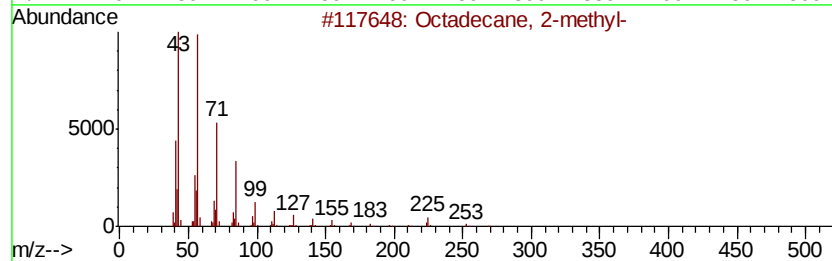
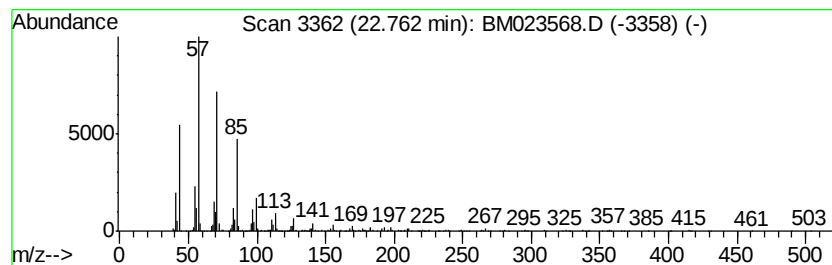
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 3

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 22.76 | 3.21 ng/ul | 1011510 | Perylene-d12     | 23.39 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Octadecane, 2-methyl- | 268 | C19H40  | 001560-88-9 | 93   |
| 2    |    | Heptadecane           | 240 | C17H36  | 000629-78-7 | 91   |
| 3    |    | Tridecane, 1-iodo-    | 310 | C13H27I | 035599-77-0 | 91   |
| 4    |    | Tetracosane           | 338 | C24H50  | 000646-31-1 | 90   |
| 5    |    | Hexacosane            | 366 | C26H54  | 000630-01-3 | 90   |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM102319MA.M  
Quant Title : SVOA CALIBRATION

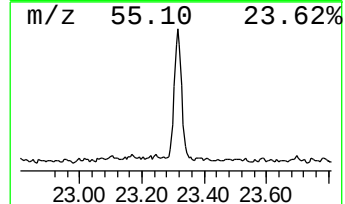
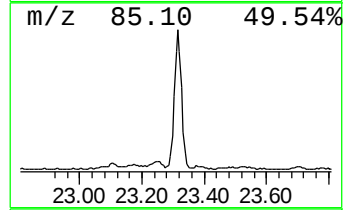
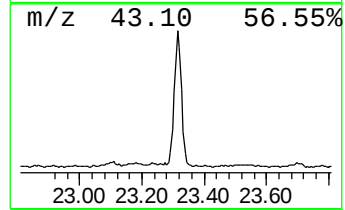
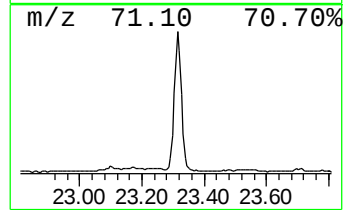
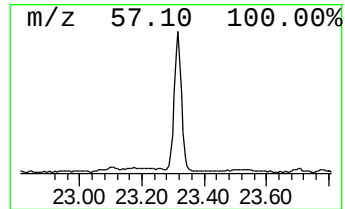
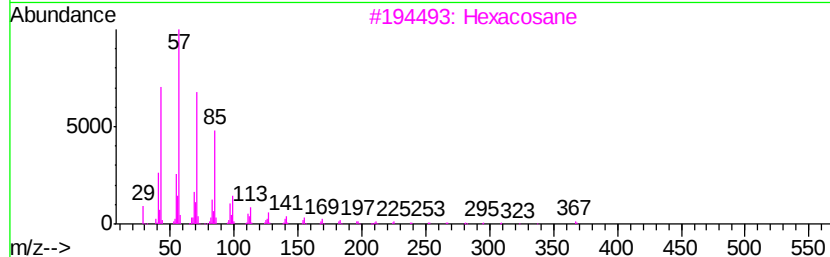
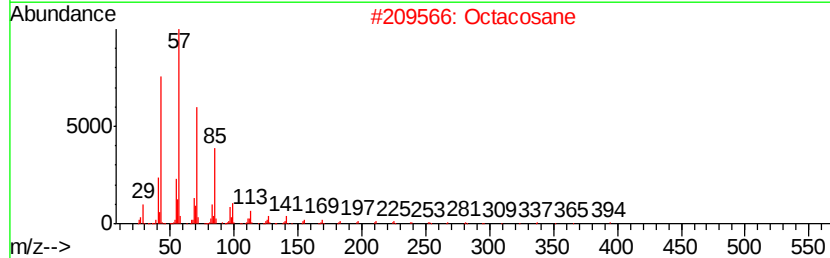
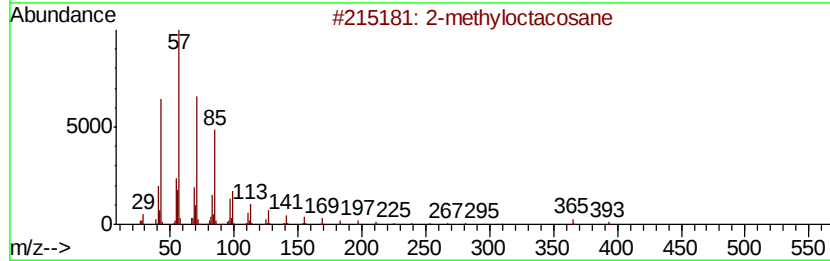
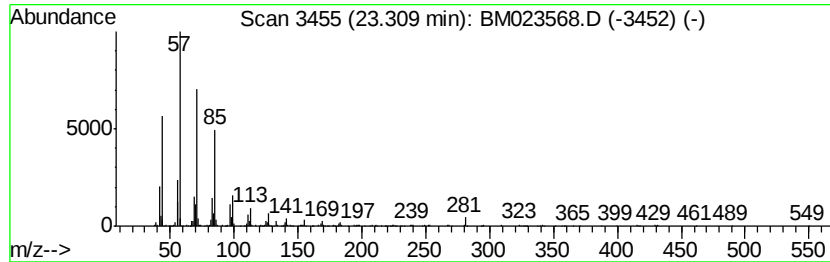
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 23.31 | 3.87 ng/ul | 1218260 | Perylene-d12     | 23.39 |

| Hit# | of | 5 | Tentative ID          | MW  | MolForm | CAS#         | Qual |
|------|----|---|-----------------------|-----|---------|--------------|------|
| 1    |    |   | 2-methyloctacosane    | 408 | C29H60  | 1000376-72-8 | 90   |
| 2    |    |   | Octacosane            | 394 | C28H58  | 000630-02-4  | 90   |
| 3    |    |   | Hexacosane            | 366 | C26H54  | 000630-01-3  | 90   |
| 4    |    |   | Hexadecane, 2-methyl- | 240 | C17H36  | 001560-92-5  | 87   |
| 5    |    |   | Heptacosane           | 380 | C27H56  | 000593-49-7  | 87   |



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Quant Title : SVOA CALIBRATION

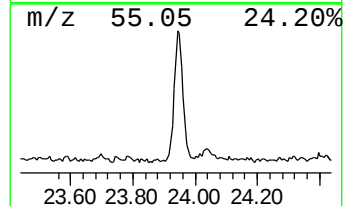
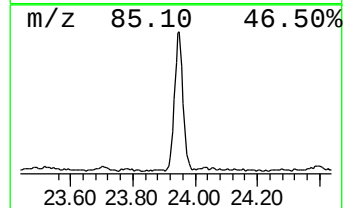
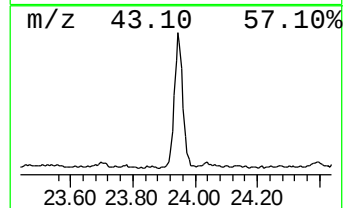
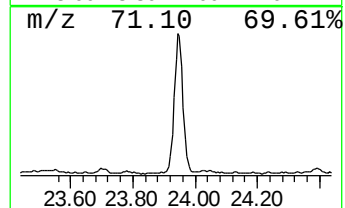
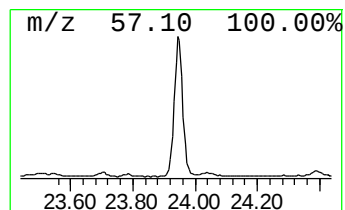
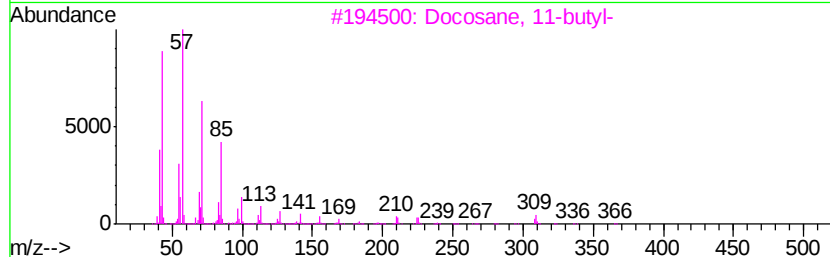
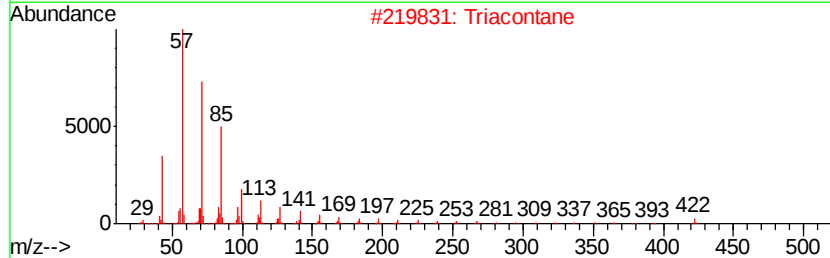
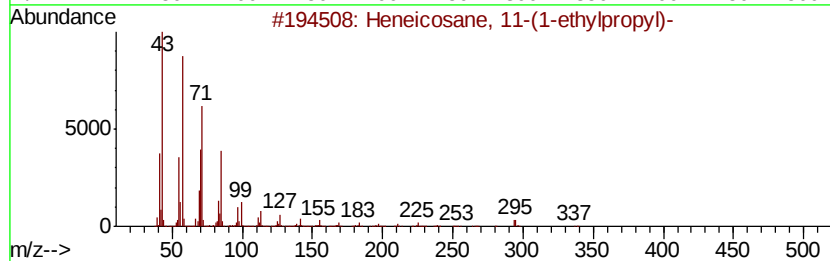
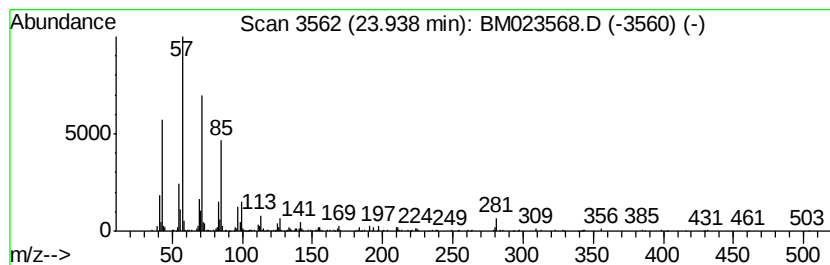
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 23.94 | 3.34 ng/ul | 1051550 | Perylene-d12     | 23.39 |

| Hit# | of | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------------|-----|---------|-------------|------|
| 1    | 5  | Heneicosane, 11-(1-ethylpropyl)- | 366 | C26H54  | 055282-11-6 | 83   |
| 2    |    | Triacontane                      | 422 | C30H62  | 000638-68-6 | 83   |
| 3    |    | Docosane, 11-butyl-              | 366 | C26H54  | 013475-76-8 | 83   |
| 4    |    | Heneicosane                      | 296 | C21H44  | 000629-94-7 | 83   |
| 5    |    | Eicosane, 9-octyl-               | 394 | C28H58  | 013475-77-9 | 80   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM103119\  
Data File : BM023568.D  
Acq On : 01 Nov 2019 20:56  
Operator : JU  
Sample : K5511-12  
Misc :  
ALS Vial : 46 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BEJM8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM102319MA.M  
Quant Title : SVOA CALIBRATION

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

|                      |       |         |       |          | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
| TIC Top Hit name     | RT    | EstConc | Units | Response | #                     | RT    | Resp    | Conc |
| (DEL) Alkane: Str... | 22.26 | 2.7     | ng/ul | 799767   | 5                     | 21.20 | 5898940 | 20.0 |
| (DEL) Alkane: Str... | 22.76 | 3.2     | ng/ul | 1011510  | 6                     | 23.39 | 6295980 | 20.0 |
| (DEL) Alkane: Str... | 23.31 | 3.9     | ng/ul | 1218260  | 6                     | 23.39 | 6295980 | 20.0 |
| (DEL) Alkane: Str... | 23.94 | 3.3     | ng/ul | 1051550  | 6                     | 23.39 | 6295980 | 20.0 |