

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061019\  
 Data File : BM020846.D  
 Acq On : 10 Jun 2019 21:11  
 Operator : HP/JU  
 Sample : K3006-13  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BFH72

## 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-BM060619MA.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         | 3.046       | 5             | 10          | 27           | rVB      | 10844461       | 13547472      | 100.00%         | 15.714%       |
| 2         | 3.305       | 51            | 54          | 61           | rVB      | 69926          | 86978         | 0.64%           | 0.101%        |
| 3         | 3.934       | 156           | 161         | 167          | rVB      | 88566          | 121451        | 0.90%           | 0.141%        |
| 4         | 4.028       | 175           | 177         | 181          | rVB2     | 14093          | 16498         | 0.12%           | 0.019%        |
| 5         | 4.134       | 192           | 195         | 199          | rVB4     | 13584          | 18016         | 0.13%           | 0.021%        |
| 6         | 4.928       | 325           | 330         | 337          | rBV      | 73685          | 111000        | 0.82%           | 0.129%        |
| 7         | 5.910       | 492           | 497         | 505          | rVB3     | 18248          | 34193         | 0.25%           | 0.040%        |
| 8         | 6.969       | 670           | 677         | 695          | rVB      | 1120183        | 1842963       | 13.60%          | 2.138%        |
| 9         | 7.146       | 697           | 707         | 723          | rVV      | 954481         | 1542365       | 11.38%          | 1.789%        |
| 10        | 7.340       | 733           | 740         | 748          | rVB      | 1253643        | 1926520       | 14.22%          | 2.235%        |
| 11        | 7.810       | 813           | 820         | 827          | rBV      | 1108311        | 1780243       | 13.14%          | 2.065%        |
| 12        | 7.863       | 827           | 829         | 834          | rVB2     | 18509          | 24580         | 0.18%           | 0.029%        |
| 13        | 8.510       | 931           | 939         | 945          | rBV      | 1348508        | 2220831       | 16.39%          | 2.576%        |
| 14        | 8.575       | 945           | 950         | 956          | rVV      | 85294          | 151729        | 1.12%           | 0.176%        |
| 15        | 8.634       | 956           | 960         | 965          | rVB      | 28851          | 45678         | 0.34%           | 0.053%        |
| 16        | 8.969       | 1009          | 1017        | 1028         | rBV      | 1182774        | 1928011       | 14.23%          | 2.236%        |
| 17        | 9.351       | 1078          | 1082        | 1088         | rVB2     | 29276          | 39674         | 0.29%           | 0.046%        |
| 18        | 9.687       | 1130          | 1139        | 1150         | rBV      | 949206         | 1555067       | 11.48%          | 1.804%        |
| 19        | 9.804       | 1156          | 1159        | 1168         | rVB5     | 14569          | 22451         | 0.17%           | 0.026%        |
| 20        | 10.216      | 1221          | 1229        | 1239         | rBV      | 1477777        | 2425904       | 17.91%          | 2.814%        |
| 21        | 10.598      | 1287          | 1294        | 1302         | rBV      | 1562605        | 2564609       | 18.93%          | 2.975%        |
| 22        | 10.739      | 1309          | 1318        | 1331         | rBV      | 1263648        | 2191726       | 16.18%          | 2.542%        |
| 23        | 11.845      | 1503          | 1506        | 1512         | rVB5     | 9854           | 17566         | 0.13%           | 0.020%        |
| 24        | 12.186      | 1558          | 1564        | 1570         | rVB2     | 24448          | 41108         | 0.30%           | 0.048%        |
| 25        | 13.175      | 1727          | 1732        | 1737         | rBV5     | 9272           | 13867         | 0.10%           | 0.016%        |
| 26        | 13.333      | 1753          | 1759        | 1764         | rBV3     | 11482          | 16414         | 0.12%           | 0.019%        |
| 27        | 13.857      | 1842          | 1848        | 1852         | rBV      | 2692114        | 3689491       | 27.23%          | 4.279%        |
| 28        | 13.904      | 1852          | 1856        | 1862         | rVB      | 1119950        | 1526284       | 11.27%          | 1.770%        |
| 29        | 14.139      | 1889          | 1896        | 1909         | rVB      | 2767354        | 4076797       | 30.09%          | 4.729%        |
| 30        | 14.445      | 1941          | 1948        | 1958         | rVB2     | 2331435        | 3422179       | 25.26%          | 3.969%        |
| 31        | 14.645      | 1975          | 1982        | 1991         | rBV      | 705456         | 1083613       | 8.00%           | 1.257%        |
| 32        | 14.857      | 2014          | 2018        | 2026         | rVB6     | 58829          | 106622        | 0.79%           | 0.124%        |
| 33        | 15.239      | 2079          | 2083        | 2086         | rBV      | 27195          | 36099         | 0.27%           | 0.042%        |
| 34        | 15.439      | 2110          | 2117        | 2125         | rBV      | 3659222        | 5198658       | 38.37%          | 6.030%        |

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## 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-BM060619MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 15.557 | 2131 | 2137 | 2149 | rBV  | 624191  | 854002  | 6.30%  | 0.991% |
| 36 | 15.680 | 2153 | 2158 | 2168 | rVB3 | 43250   | 91626   | 0.68%  | 0.106% |
| 37 | 16.151 | 2235 | 2238 | 2244 | rVB7 | 11391   | 19313   | 0.14%  | 0.022% |
| 38 | 16.221 | 2244 | 2250 | 2254 | rBV6 | 16608   | 27950   | 0.21%  | 0.032% |
| 39 | 16.421 | 2281 | 2284 | 2288 | rVB4 | 13427   | 15770   | 0.12%  | 0.018% |
| 40 | 16.733 | 2330 | 2337 | 2341 | rBV2 | 28581   | 38522   | 0.28%  | 0.045% |
| 41 | 16.945 | 2370 | 2373 | 2376 | rBV5 | 10546   | 15839   | 0.12%  | 0.018% |
| 42 | 16.974 | 2376 | 2378 | 2383 | rVB2 | 11868   | 16344   | 0.12%  | 0.019% |
| 43 | 17.068 | 2389 | 2394 | 2399 | rBV7 | 30735   | 48143   | 0.36%  | 0.056% |
| 44 | 17.192 | 2408 | 2415 | 2424 | rBV2 | 2691719 | 3822619 | 28.22% | 4.434% |
| 45 | 17.292 | 2425 | 2432 | 2440 | rVV  | 3496349 | 5021140 | 37.06% | 5.824% |
| 46 | 17.368 | 2440 | 2445 | 2450 | rVB2 | 69575   | 102974  | 0.76%  | 0.119% |
| 47 | 17.568 | 2476 | 2479 | 2482 | rBV5 | 12159   | 14787   | 0.11%  | 0.017% |
| 48 | 17.604 | 2482 | 2485 | 2491 | rVB5 | 13210   | 17042   | 0.13%  | 0.020% |
| 49 | 17.680 | 2495 | 2498 | 2502 | rBV5 | 10886   | 16537   | 0.12%  | 0.019% |
| 50 | 17.786 | 2511 | 2516 | 2522 | rVB5 | 23782   | 43383   | 0.32%  | 0.050% |
| 51 | 17.904 | 2531 | 2536 | 2541 | rVB3 | 41499   | 53426   | 0.39%  | 0.062% |
| 52 | 17.986 | 2546 | 2550 | 2556 | rVB6 | 21478   | 32197   | 0.24%  | 0.037% |
| 53 | 18.080 | 2560 | 2566 | 2576 | rBV  | 246909  | 400621  | 2.96%  | 0.465% |
| 54 | 18.257 | 2592 | 2596 | 2602 | rVB2 | 70321   | 95925   | 0.71%  | 0.111% |
| 55 | 18.315 | 2603 | 2606 | 2611 | rVV4 | 32675   | 39759   | 0.29%  | 0.046% |
| 56 | 18.368 | 2611 | 2615 | 2620 | rVV6 | 18426   | 29775   | 0.22%  | 0.035% |
| 57 | 18.415 | 2620 | 2623 | 2630 | rVB4 | 27497   | 44444   | 0.33%  | 0.052% |
| 58 | 19.215 | 2755 | 2759 | 2767 | rBV  | 51242   | 77772   | 0.57%  | 0.090% |
| 59 | 19.356 | 2779 | 2783 | 2786 | rBV2 | 117231  | 147513  | 1.09%  | 0.171% |
| 60 | 19.468 | 2799 | 2802 | 2805 | rVB  | 36112   | 42689   | 0.32%  | 0.050% |
| 61 | 19.580 | 2815 | 2821 | 2827 | rBV  | 4210018 | 5440568 | 40.16% | 6.310% |
| 62 | 21.074 | 3071 | 3075 | 3079 | rBV3 | 192445  | 252773  | 1.87%  | 0.293% |
| 63 | 21.368 | 3120 | 3125 | 3135 | rBV  | 3029400 | 3755735 | 27.72% | 4.356% |
| 64 | 21.515 | 3146 | 3150 | 3154 | rBV  | 186291  | 213062  | 1.57%  | 0.247% |
| 65 | 21.956 | 3221 | 3225 | 3231 | rBV  | 313520  | 421863  | 3.11%  | 0.489% |
| 66 | 22.427 | 3301 | 3305 | 3310 | rVB  | 470272  | 613396  | 4.53%  | 0.711% |
| 67 | 22.944 | 3389 | 3393 | 3399 | rVB  | 486759  | 695384  | 5.13%  | 0.807% |
| 68 | 23.503 | 3481 | 3488 | 3498 | rBV2 | 2861712 | 5854702 | 43.22% | 6.791% |
| 69 | 23.650 | 3506 | 3513 | 3525 | rVB  | 1992810 | 3821343 | 28.21% | 4.432% |
| 70 | 24.186 | 3600 | 3604 | 3611 | rVB2 | 331247  | 588957  | 4.35%  | 0.683% |

## LSC Area Percent Report

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Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BFH72

## Integration Parameters: LSCINT.P

Integrator: RTE  
Smoothing : OFF Filtering: 5  
Sampling : 1 Min Area: 0.1 % of largest Peak  
Start Thrs: 0.2 Max Peaks: 100  
Stop Thrs : 0 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-BM060619MA.M  
Title : SVOA CALIBRATION

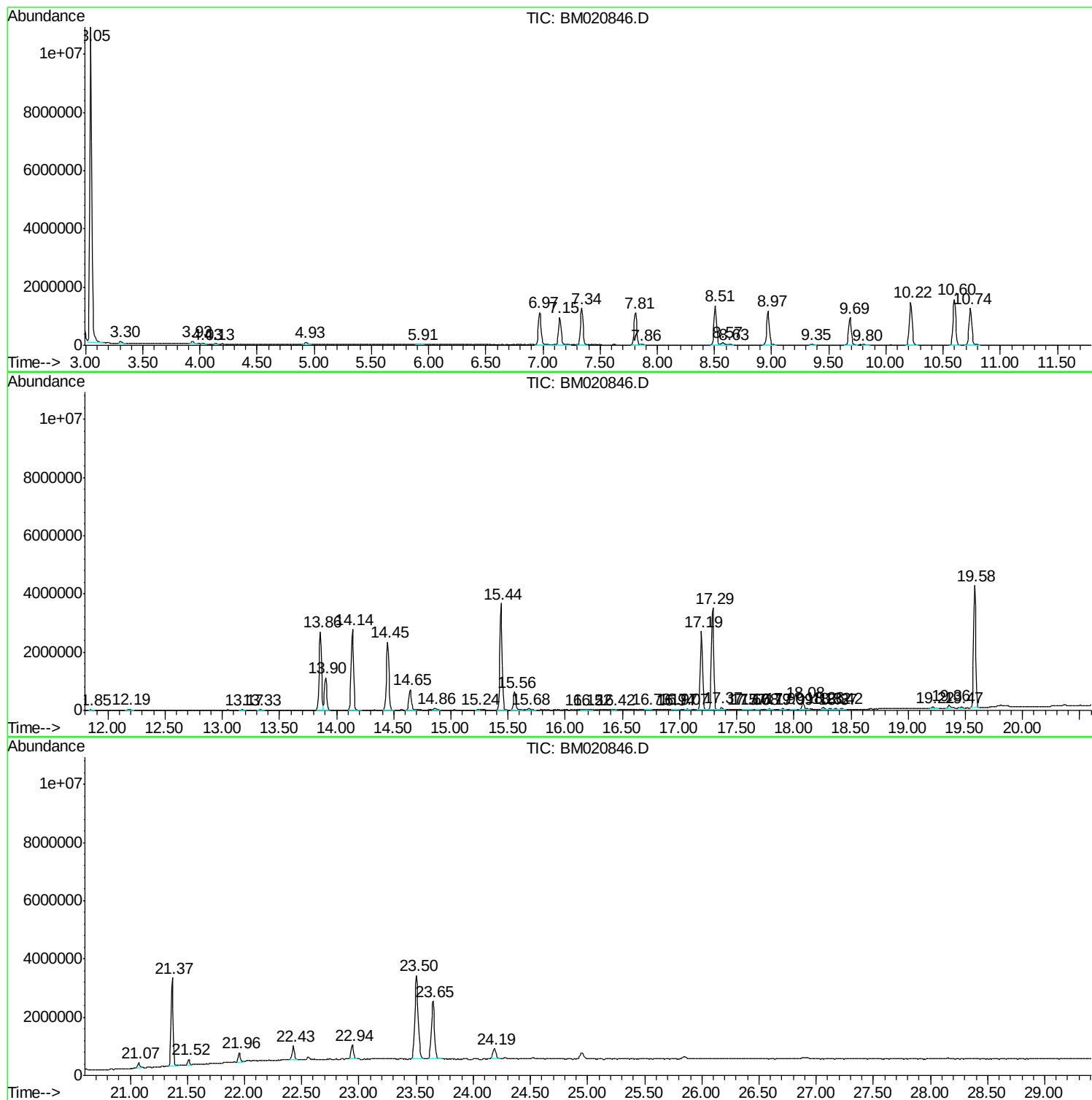
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Instrument :  
BNA\_M  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM060619MA.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P



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Instrument :  
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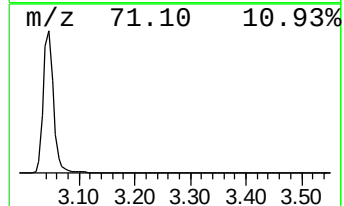
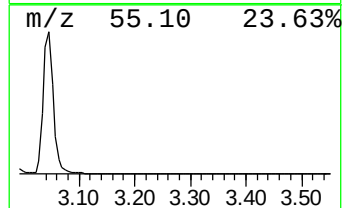
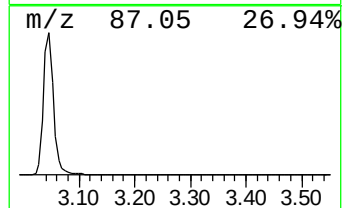
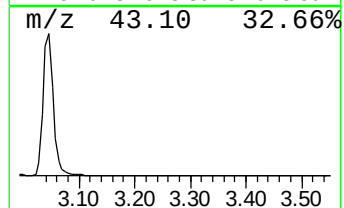
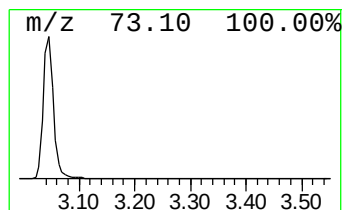
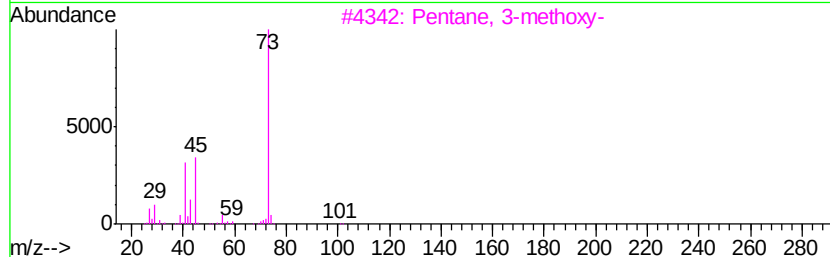
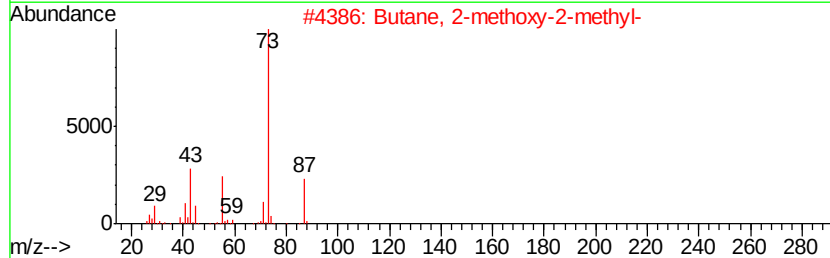
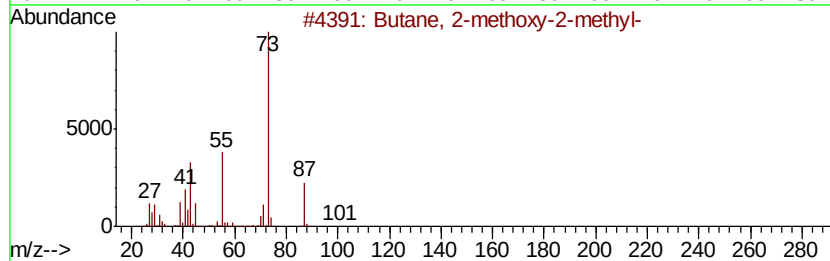
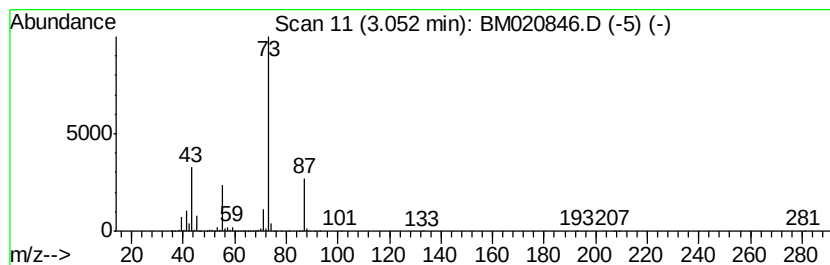
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM060619MA.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

| R.T. | EstConc      | Area     | Relative to ISTD       | R.T. |
|------|--------------|----------|------------------------|------|
| 3.05 | 152.20 ng/ul | 13547500 | 1,4-Dichlorobenzene-d4 | 7.81 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 83   |
| 2    |    | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 78   |
| 3    |    | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 23   |
| 4    |    | Acetamide, N-ethyl-         | 87  | C4H9NO  | 000625-50-3 | 9    |
| 5    |    | N-Ethylformamide            | 73  | C3H7NO  | 000627-45-2 | 9    |



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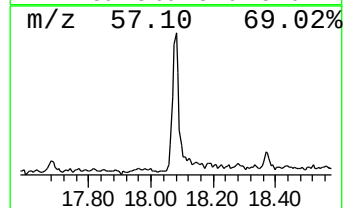
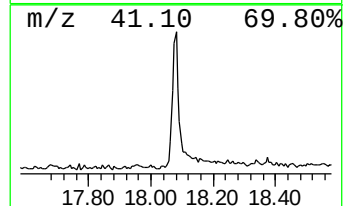
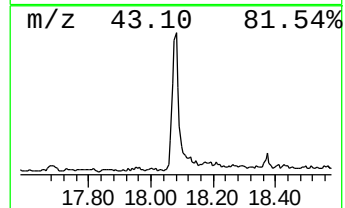
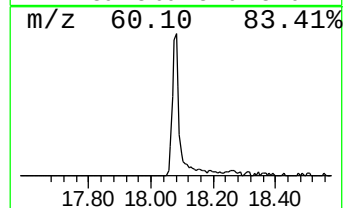
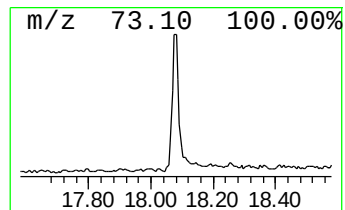
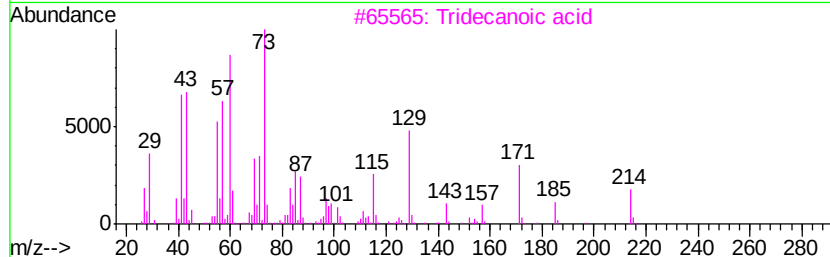
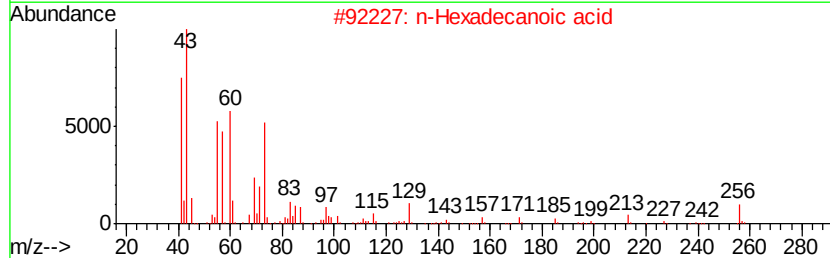
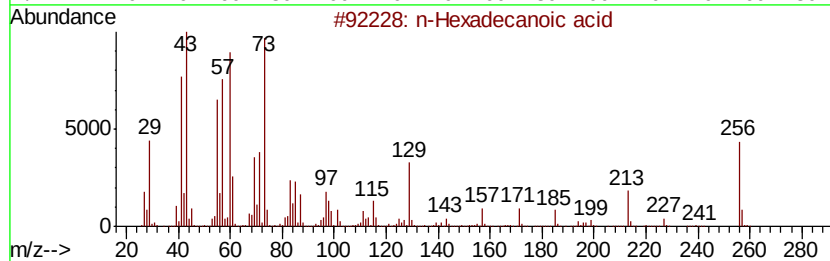
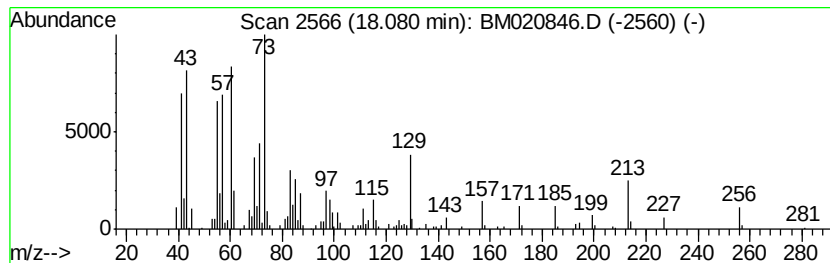
Instrument :  
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ClientSampleId :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM060619MA.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 n-Hexadecanoic acid Concentration Rank 6

| R.T.    | EstConc             | Area         | Relative to ISTD | R.T.        |      |      |
|---------|---------------------|--------------|------------------|-------------|------|------|
| 18.08   | 2.10 ng/ul          | 400621       | Phenanthrene-d10 | 17.19       |      |      |
| Hit# of | 5                   | Tentative ID | MW               | MolForm     | CAS# | Qual |
| 1       | n-Hexadecanoic acid | 256          | C16H32O2         | 000057-10-3 | 98   |      |
| 2       | n-Hexadecanoic acid | 256          | C16H32O2         | 000057-10-3 | 97   |      |
| 3       | Tridecanoic acid    | 214          | C13H26O2         | 000638-53-9 | 94   |      |
| 4       | Tridecanoic acid    | 214          | C13H26O2         | 000638-53-9 | 87   |      |
| 5       | Tetradecanoic acid  | 228          | C14H28O2         | 000544-63-8 | 83   |      |



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Quant Title : SVOA CALIBRATION

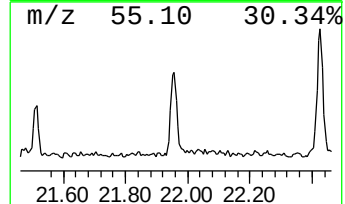
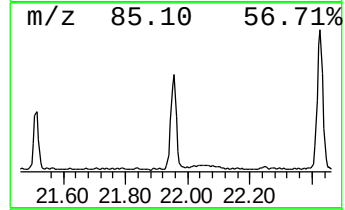
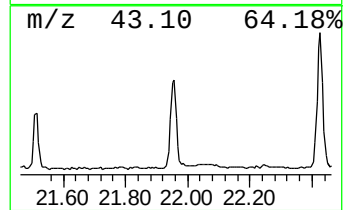
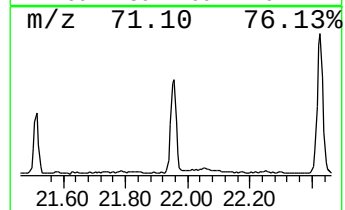
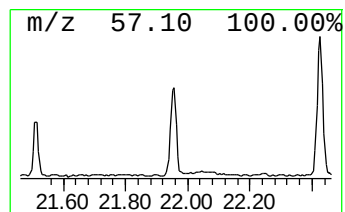
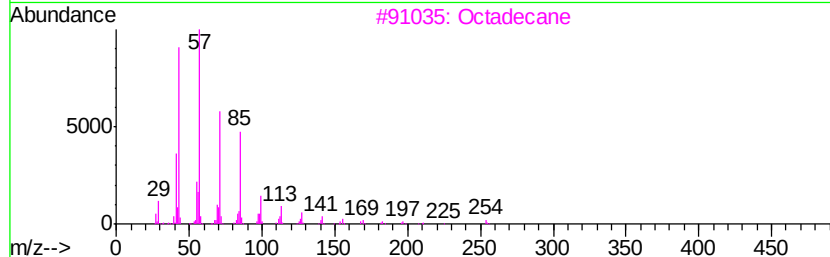
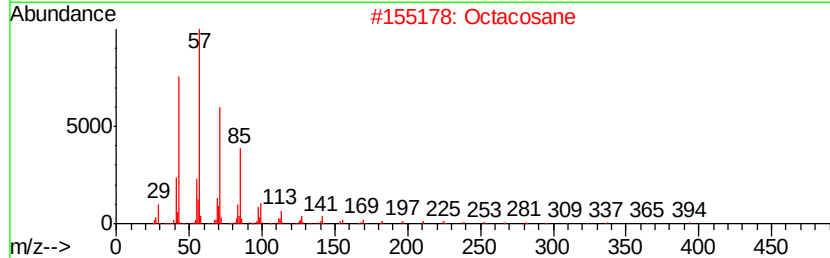
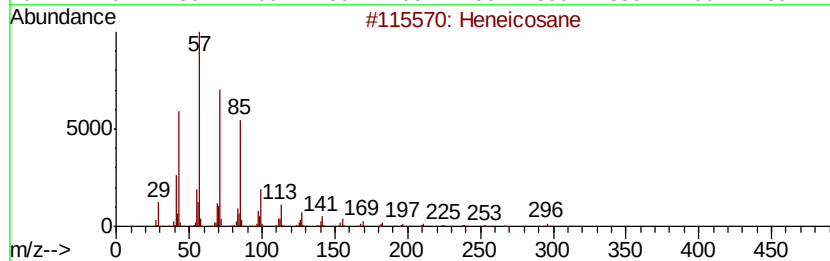
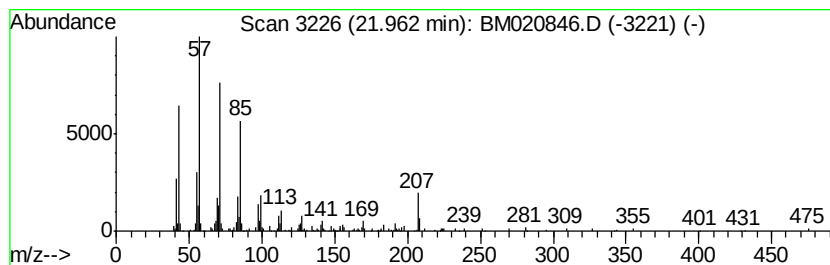
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 5

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 21.96 | 2.25 ng/ul | 421863 | Chrysene-d12     | 21.37 |

| Hit# | of | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---------------------|-----|----------|-------------|------|
| 1    | 5  | Heneicosane         | 296 | C21H44   | 000629-94-7 | 90   |
| 2    |    | Octacosane          | 394 | C28H58   | 000630-02-4 | 87   |
| 3    |    | Octadecane          | 254 | C18H38   | 000593-45-3 | 87   |
| 4    |    | 2-Bromo dodecane    | 248 | C12H25Br | 013187-99-0 | 87   |
| 5    |    | Octadecane, 1-iodo- | 380 | C18H37I  | 000629-93-6 | 83   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061019\  
Data File : BM020846.D  
Acq On : 10 Jun 2019 21:11  
Operator : HP/JU  
Sample : K3006-13  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
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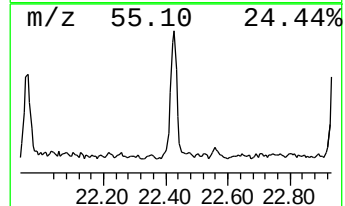
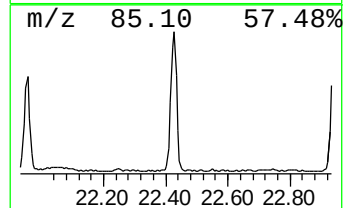
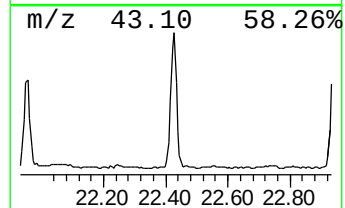
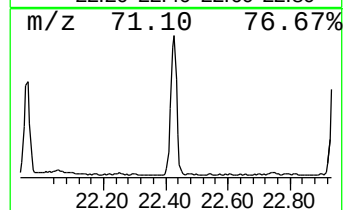
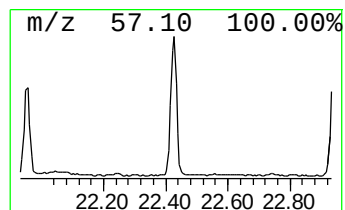
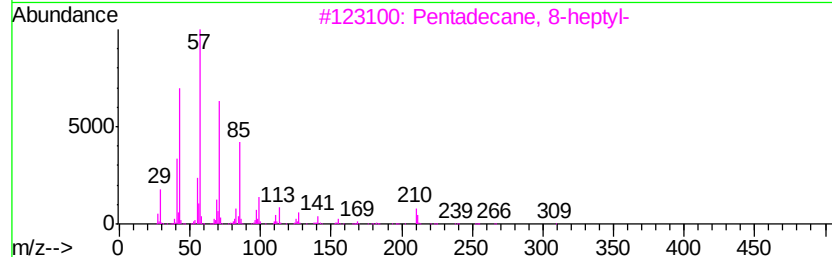
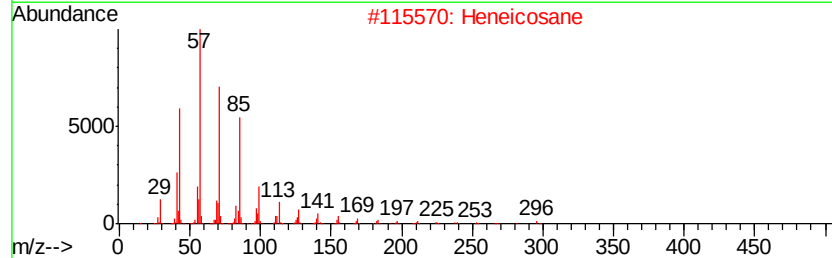
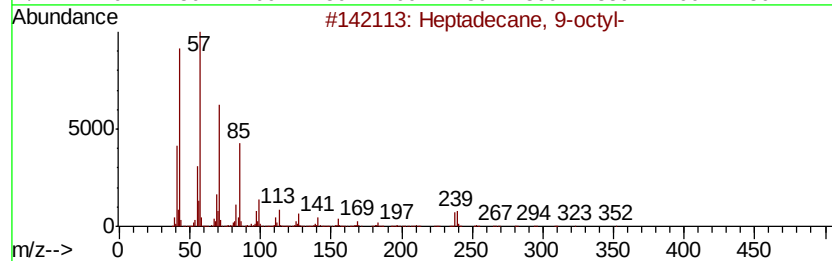
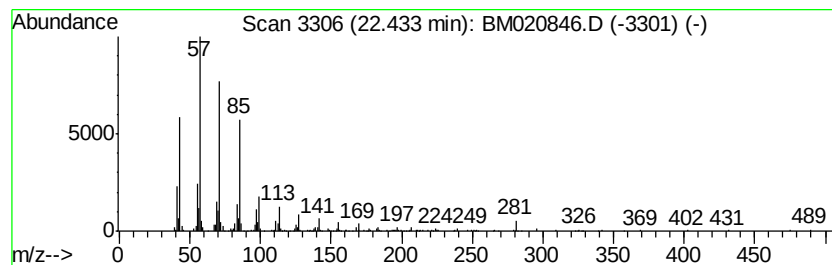
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 22.43 | 3.27 ng/ul | 613396 | Chrysene-d12     | 21.37 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------|-----|---------|-------------|------|
| 1    | 5  | Heptadecane, 9-octyl-  | 352 | C25H52  | 007225-64-1 | 91   |
| 2    |    | Heneicosane            | 296 | C21H44  | 000629-94-7 | 91   |
| 3    |    | Pentadecane, 8-heptyl- | 310 | C22H46  | 071005-15-7 | 91   |
| 4    |    | Tetracosane            | 338 | C24H50  | 000646-31-1 | 91   |
| 5    |    | Nonacosane             | 408 | C29H60  | 000630-03-5 | 90   |





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061019\  
Data File : BM020846.D  
Acq On : 10 Jun 2019 21:11  
Operator : HP/JU  
Sample : K3006-13  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BFH72

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM060619MA.M  
Quant Title : SVOA CALIBRATION

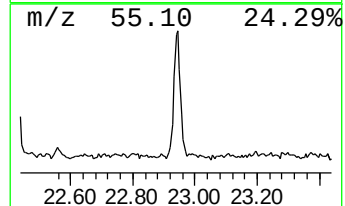
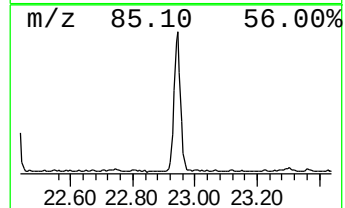
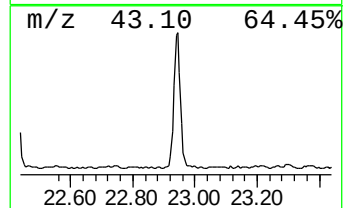
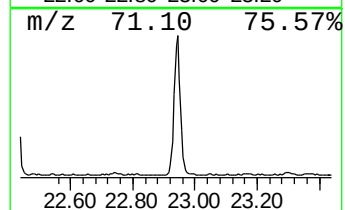
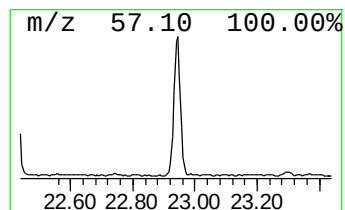
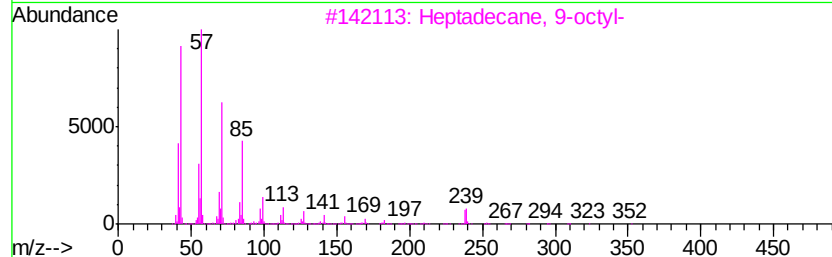
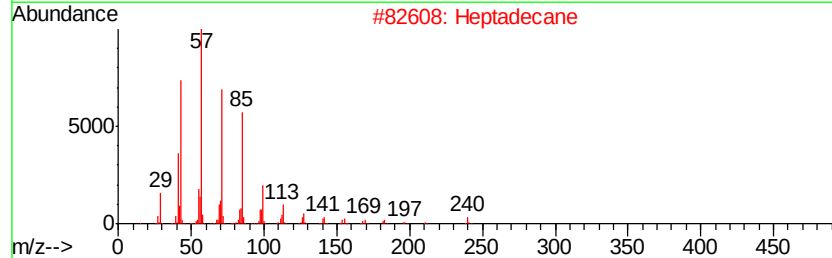
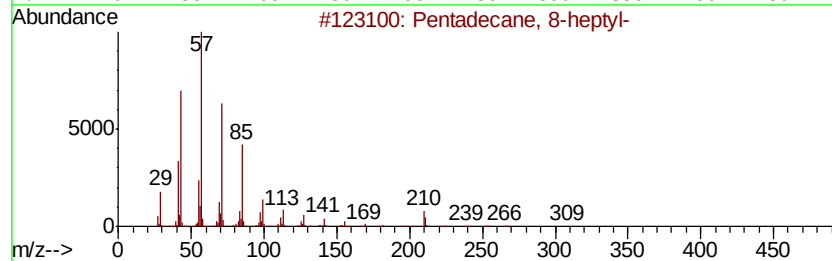
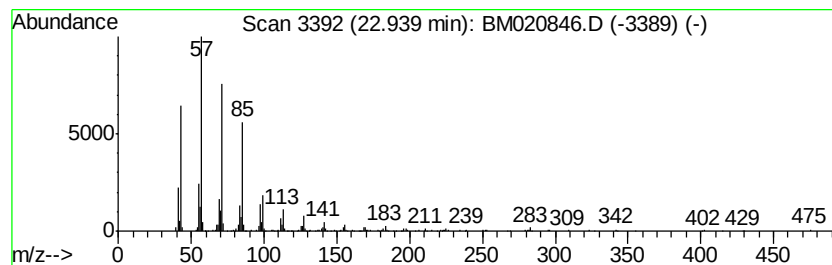
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 22.94 | 3.64 ng/ul | 695384 | Perylene-d12     | 23.65 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------|-----|---------|-------------|------|
| 1    | 5  | Pentadecane, 8-heptyl- | 310 | C22H46  | 071005-15-7 | 91   |
| 2    |    | Heptadecane            | 240 | C17H36  | 000629-78-7 | 91   |
| 3    |    | Heptadecane, 9-octyl-  | 352 | C25H52  | 007225-64-1 | 91   |
| 4    |    | Nonacosane             | 408 | C29H60  | 000630-03-5 | 91   |
| 5    |    | Octacosane             | 394 | C28H58  | 000630-02-4 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061019\  
Data File : BM020846.D  
Acq On : 10 Jun 2019 21:11  
Operator : HP/JU  
Sample : K3006-13  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BFH72

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM060619MA.M  
Quant Title : SVOA CALIBRATION

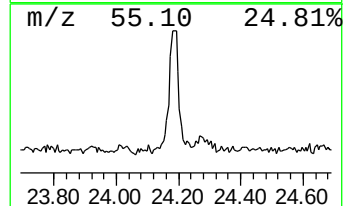
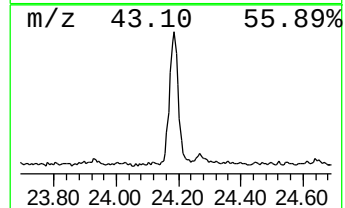
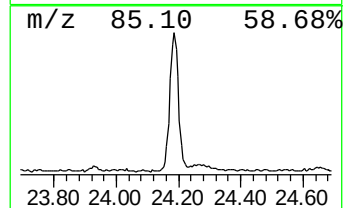
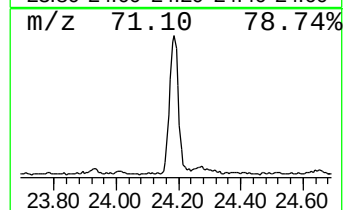
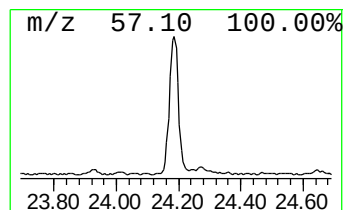
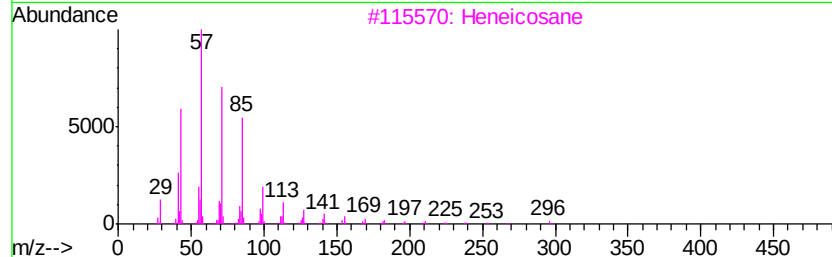
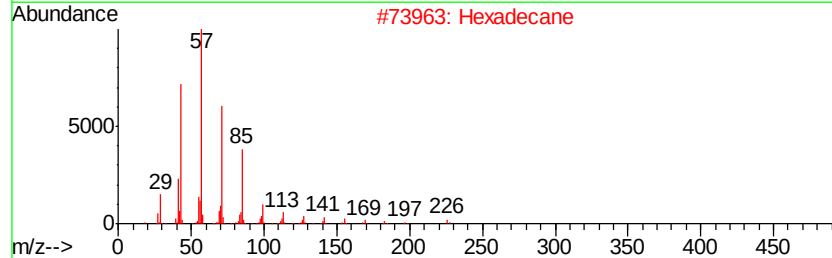
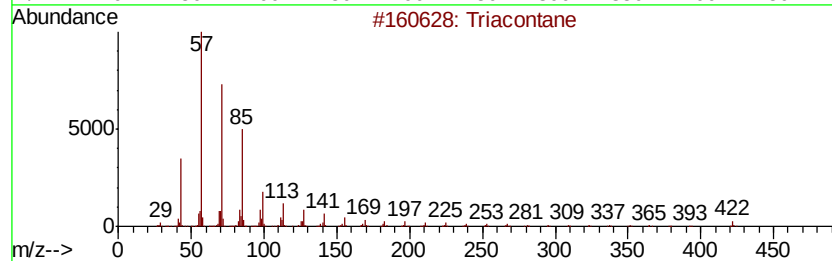
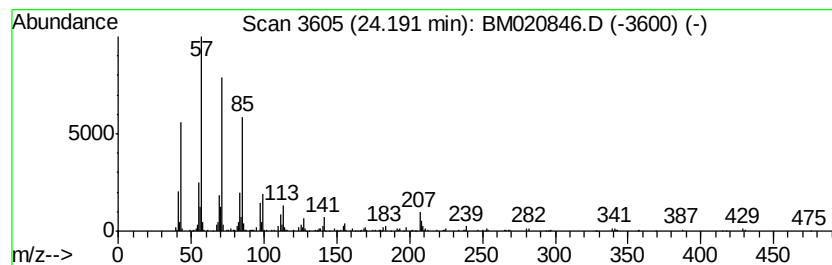
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 24.19 | 3.08 ng/ul | 588957 | Perylene-d12     | 23.65 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Triacontane           | 422 | C30H62  | 000638-68-6 | 91   |
| 2    |    | Hexadecane            | 226 | C16H34  | 000544-76-3 | 91   |
| 3    |    | Heneicosane           | 296 | C21H44  | 000629-94-7 | 91   |
| 4    |    | Pentadecane, 8-hexyl- | 296 | C21H44  | 013475-75-7 | 91   |
| 5    |    | Eicosane              | 282 | C20H42  | 000112-95-8 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM061019\  
Data File : BM020846.D  
Acq On : 10 Jun 2019 21:11  
Operator : HP/JU  
Sample : K3006-13  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BFH72

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM060619MA.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| Butane, 2-methoxy... | 3.05  | 152.2   | ng/ul | 13547500 | 1                     | 7.81  | 1780240 | 20.0 |
| n-Hexadecanoic acid  | 18.08 | 2.1     | ng/ul | 400621   | 4                     | 17.19 | 3822620 | 20.0 |
| (DEL) Alkane: Str... | 21.96 | 2.3     | ng/ul | 421863   | 5                     | 21.37 | 3755740 | 20.0 |
| (DEL) Alkane: Str... | 22.43 | 3.3     | ng/ul | 613396   | 5                     | 21.37 | 3755740 | 20.0 |
| (DEL) Alkane: Str... | 22.94 | 3.6     | ng/ul | 695384   | 6                     | 23.65 | 3821340 | 20.0 |
| (DEL) Alkane: Str... | 24.19 | 3.1     | ng/ul | 588957   | 6                     | 23.65 | 3821340 | 20.0 |