

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN052019\  
 Data File : BN005815.D  
 Acq On : 21 May 2019 00:22  
 Operator : JU/SJ  
 Sample : K2693-19  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BFHF4

## 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\_N\METHODS\SOM-EPA-BN051819MA.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         | 6.769       | 638           | 643         | 658          | rVB      | 215475         | 463116        | 22.43%          | 1.942%        |
| 2         | 6.916       | 663           | 668         | 679          | rVB      | 194949         | 335577        | 16.25%          | 1.407%        |
| 3         | 7.111       | 696           | 701         | 711          | rBV      | 264047         | 472943        | 22.91%          | 1.983%        |
| 4         | 7.569       | 773           | 779         | 789          | rBV      | 435012         | 742313        | 35.95%          | 3.113%        |
| 5         | 8.287       | 896           | 901         | 917          | rVB2     | 197784         | 403754        | 19.55%          | 1.693%        |
| 6         | 8.722       | 969           | 975         | 986          | rBV      | 280700         | 479567        | 23.23%          | 2.011%        |
| 7         | 9.134       | 1043          | 1045        | 1052         | rVB3     | 9694           | 9815          | 0.48%           | 0.041%        |
| 8         | 9.440       | 1090          | 1097        | 1105         | rBV      | 202097         | 373713        | 18.10%          | 1.567%        |
| 9         | 9.981       | 1183          | 1189        | 1207         | rBV      | 254889         | 592562        | 28.70%          | 2.485%        |
| 10        | 10.334      | 1242          | 1249        | 1257         | rBV      | 636308         | 1078445       | 52.23%          | 4.522%        |
| 11        | 10.487      | 1269          | 1275        | 1290         | rBV      | 179300         | 449105        | 21.75%          | 1.883%        |
| 12        | 13.628      | 1803          | 1809        | 1814         | rBV      | 700738         | 1018122       | 49.31%          | 4.269%        |
| 13        | 13.675      | 1814          | 1817        | 1829         | rVB      | 164835         | 248318        | 12.03%          | 1.041%        |
| 14        | 13.898      | 1849          | 1855        | 1865         | rBV      | 772481         | 1210826       | 58.64%          | 5.077%        |
| 15        | 14.210      | 1901          | 1908        | 1918         | rBV2     | 1024051        | 1550939       | 75.11%          | 6.503%        |
| 16        | 14.487      | 1950          | 1955        | 1968         | rBV3     | 92475          | 270780        | 13.11%          | 1.135%        |
| 17        | 14.628      | 1977          | 1979        | 1983         | rVB5     | 2697           | 2771          | 0.13%           | 0.012%        |
| 18        | 14.740      | 1996          | 1998        | 2001         | rVB2     | 2876           | 2800          | 0.14%           | 0.012%        |
| 19        | 14.981      | 2035          | 2039        | 2044         | rVB2     | 4029           | 6537          | 0.32%           | 0.027%        |
| 20        | 15.028      | 2044          | 2047        | 2050         | rBV      | 2828           | 3902          | 0.19%           | 0.016%        |
| 21        | 15.081      | 2050          | 2056        | 2061         | rVB4     | 4804           | 8923          | 0.43%           | 0.037%        |
| 22        | 15.216      | 2071          | 2079        | 2088         | rBV      | 1024858        | 1562293       | 75.66%          | 6.551%        |
| 23        | 15.392      | 2105          | 2109        | 2117         | rBV5     | 22662          | 39805         | 1.93%           | 0.167%        |
| 24        | 15.463      | 2117          | 2121        | 2125         | rVB4     | 9635           | 12135         | 0.59%           | 0.051%        |
| 25        | 15.587      | 2139          | 2142        | 2145         | rBV2     | 2043           | 2652          | 0.13%           | 0.011%        |
| 26        | 15.945      | 2200          | 2203        | 2209         | rBV4     | 3200           | 5893          | 0.29%           | 0.025%        |
| 27        | 16.004      | 2209          | 2213        | 2216         | rVV2     | 4749           | 6092          | 0.30%           | 0.026%        |
| 28        | 16.128      | 2229          | 2234        | 2236         | rBV3     | 2620           | 2634          | 0.13%           | 0.011%        |
| 29        | 16.292      | 2257          | 2262        | 2265         | rBV3     | 1713           | 2664          | 0.13%           | 0.011%        |
| 30        | 16.522      | 2297          | 2301        | 2307         | rVB4     | 13211          | 20418         | 0.99%           | 0.086%        |
| 31        | 16.751      | 2336          | 2340        | 2342         | rBV3     | 5276           | 7032          | 0.34%           | 0.029%        |
| 32        | 16.769      | 2342          | 2343        | 2345         | rVV      | 4932           | 2619          | 0.13%           | 0.011%        |
| 33        | 16.892      | 2362          | 2364        | 2367         | rBV3     | 1941           | 2214          | 0.11%           | 0.009%        |
| 34        | 16.969      | 2371          | 2377        | 2387         | rBV2     | 1369600        | 2041766       | 98.89%          | 8.561%        |

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## Integration Parameters: LSCINT.P

Integrator: RTE  
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 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\_N\METHODS\SOM-EPA-BN051819MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 35 | 17.069 | 2388 | 2394 | 2405 | rVV  | 1108400 | 1695695 | 82.12%  | 7.110% |
| 36 | 17.339 | 2435 | 2440 | 2443 | rBV4 | 2973    | 5211    | 0.25%   | 0.022% |
| 37 | 17.381 | 2446 | 2447 | 2452 | rVB4 | 2929    | 3892    | 0.19%   | 0.016% |
| 38 | 17.481 | 2460 | 2464 | 2467 | rVB5 | 2951    | 4077    | 0.20%   | 0.017% |
| 39 | 17.610 | 2481 | 2486 | 2489 | rBV4 | 2139    | 2622    | 0.13%   | 0.011% |
| 40 | 17.663 | 2489 | 2495 | 2498 | rVB4 | 2280    | 4178    | 0.20%   | 0.018% |
| 41 | 17.745 | 2504 | 2509 | 2510 | rVB3 | 2020    | 2582    | 0.13%   | 0.011% |
| 42 | 17.763 | 2510 | 2512 | 2514 | rBV3 | 3940    | 4221    | 0.20%   | 0.018% |
| 43 | 17.886 | 2527 | 2533 | 2542 | rBV3 | 93357   | 187176  | 9.07%   | 0.785% |
| 44 | 18.039 | 2554 | 2559 | 2571 | rVB3 | 5413    | 19763   | 0.96%   | 0.083% |
| 45 | 18.128 | 2571 | 2574 | 2575 | rBV3 | 3960    | 4040    | 0.20%   | 0.017% |
| 46 | 18.175 | 2578 | 2582 | 2585 | rBV4 | 7806    | 9757    | 0.47%   | 0.041% |
| 47 | 18.228 | 2587 | 2591 | 2598 | rBV5 | 17605   | 34034   | 1.65%   | 0.143% |
| 48 | 18.328 | 2606 | 2608 | 2610 | rVB3 | 3309    | 2746    | 0.13%   | 0.012% |
| 49 | 18.375 | 2613 | 2616 | 2617 | rBV3 | 2567    | 3157    | 0.15%   | 0.013% |
| 50 | 18.392 | 2617 | 2619 | 2622 | rVV3 | 5181    | 4709    | 0.23%   | 0.020% |
| 51 | 18.445 | 2626 | 2628 | 2632 | rBV5 | 2064    | 2089    | 0.10%   | 0.009% |
| 52 | 18.533 | 2642 | 2643 | 2647 | rVB3 | 3115    | 3399    | 0.16%   | 0.014% |
| 53 | 18.598 | 2650 | 2654 | 2655 | rBV3 | 6795    | 7440    | 0.36%   | 0.031% |
| 54 | 18.669 | 2664 | 2666 | 2667 | rBV2 | 2410    | 2193    | 0.11%   | 0.009% |
| 55 | 18.733 | 2672 | 2677 | 2680 | rVB6 | 8253    | 14353   | 0.70%   | 0.060% |
| 56 | 18.763 | 2680 | 2682 | 2683 | rBV2 | 4718    | 4445    | 0.22%   | 0.019% |
| 57 | 18.792 | 2685 | 2687 | 2689 | rBV3 | 3429    | 3418    | 0.17%   | 0.014% |
| 58 | 18.816 | 2689 | 2691 | 2695 | rBV5 | 4945    | 7226    | 0.35%   | 0.030% |
| 59 | 18.986 | 2718 | 2720 | 2722 | rBV3 | 4669    | 3414    | 0.17%   | 0.014% |
| 60 | 19.022 | 2722 | 2726 | 2731 | rBV  | 15748   | 26156   | 1.27%   | 0.110% |
| 61 | 19.086 | 2735 | 2737 | 2738 | rBV2 | 4687    | 3390    | 0.16%   | 0.014% |
| 62 | 19.192 | 2750 | 2755 | 2760 | rBV6 | 26881   | 63178   | 3.06%   | 0.265% |
| 63 | 19.333 | 2777 | 2779 | 2782 | rBV3 | 9529    | 12019   | 0.58%   | 0.050% |
| 64 | 19.386 | 2782 | 2788 | 2796 | rVV  | 1531884 | 2064783 | 100.00% | 8.658% |
| 65 | 20.339 | 2946 | 2950 | 2951 | rBV3 | 28855   | 33628   | 1.63%   | 0.141% |
| 66 | 20.927 | 3047 | 3050 | 3058 | rBV2 | 125911  | 243120  | 11.77%  | 1.019% |
| 67 | 21.204 | 3092 | 3097 | 3104 | rBV  | 1457968 | 1992584 | 96.50%  | 8.355% |
| 68 | 22.251 | 3272 | 3275 | 3282 | rVB  | 153874  | 207334  | 10.04%  | 0.869% |
| 69 | 22.745 | 3356 | 3359 | 3364 | rVB  | 158723  | 211037  | 10.22%  | 0.885% |
| 70 | 23.274 | 3443 | 3449 | 3461 | rBV  | 879778  | 1813461 | 87.83%  | 7.604% |
| 71 | 23.410 | 3467 | 3472 | 3481 | rVB2 | 896680  | 1709382 | 82.79%  | 7.168% |

## LSC Area Percent Report

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Instrument :  
BNA\_N  
ClientSampleId :  
BFHF4

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\_N\METHODS\SOM-EPA-BN051819MA.M  
Title : SVOA CALIBRATION

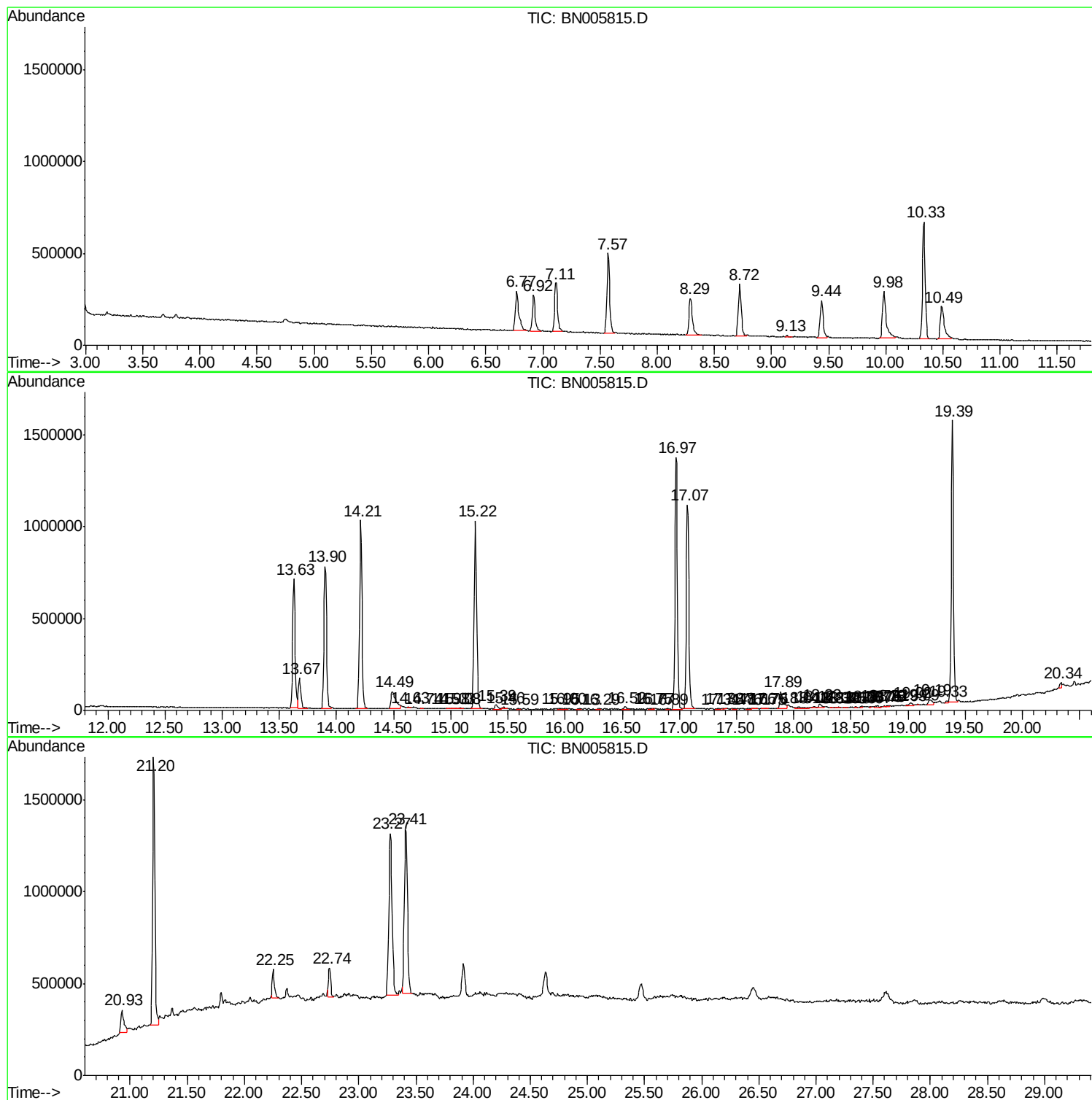
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Instrument :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN051819MA.M  
Quant Title : SVOA CALIBRATION

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



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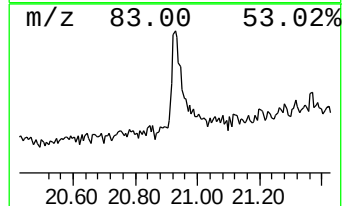
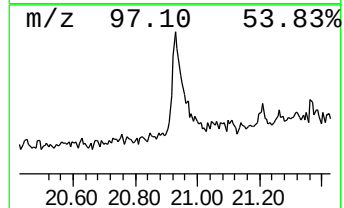
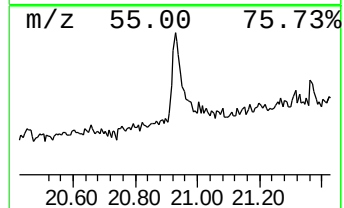
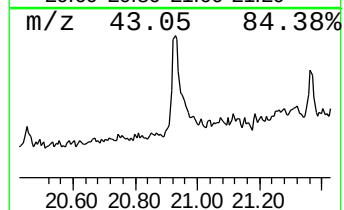
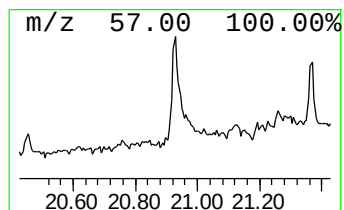
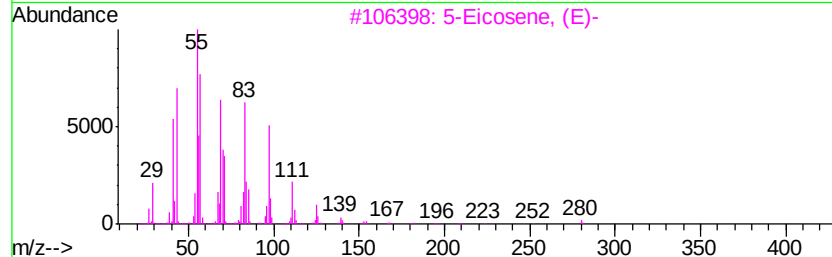
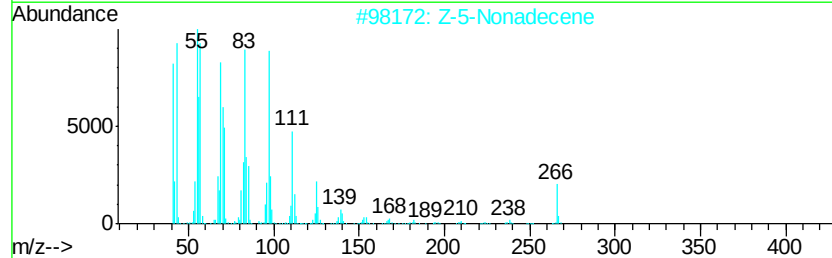
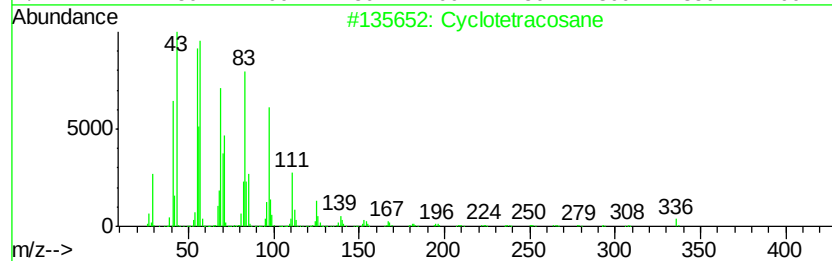
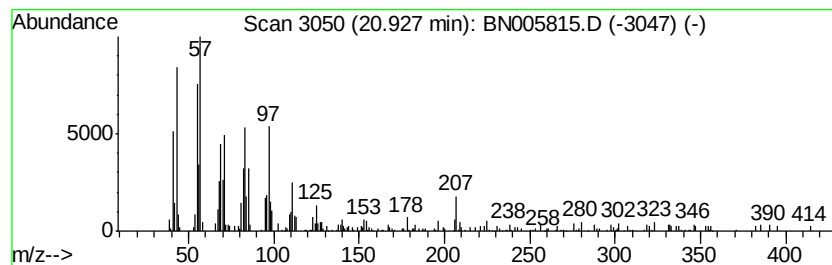
Instrument :  
BNA\_N  
ClientSampleId :  
BFHF4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN051819MA.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 1 (DEL) Alkane: Cyclic20.93 Concentration Rank 2

| R.T.      | EstConc          | Area   | Relative to ISTD | R.T.         |      |
|-----------|------------------|--------|------------------|--------------|------|
| 20.93     | 2.44 ng/ul       | 243120 | Chrysene-d12     | 21.20        |      |
| Hit# of 5 | Tentative ID     | MW     | MolForm          | CAS#         | Qual |
| 1         | Cyclotetracosane | 336    | C24H48           | 000297-03-0  | 97   |
| 2         | Z-5-Nonadecene   | 266    | C19H38           | 1000131-11-8 | 93   |
| 3         | 5-Eicosene, (E)- | 280    | C20H40           | 074685-30-6  | 93   |
| 4         | 9-Nonadecene     | 266    | C19H38           | 031035-07-1  | 91   |
| 5         | E-14-Hexadecenal | 238    | C16H30O          | 330207-53-9  | 90   |



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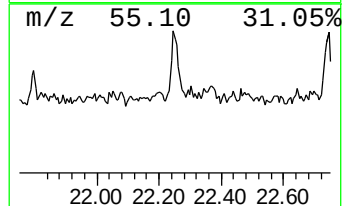
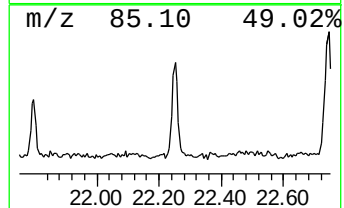
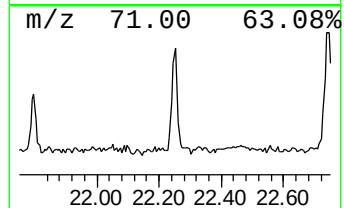
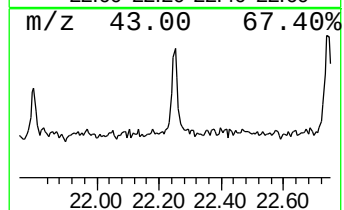
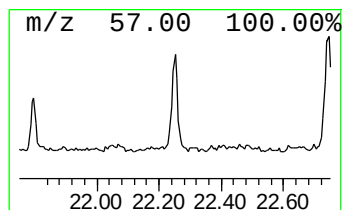
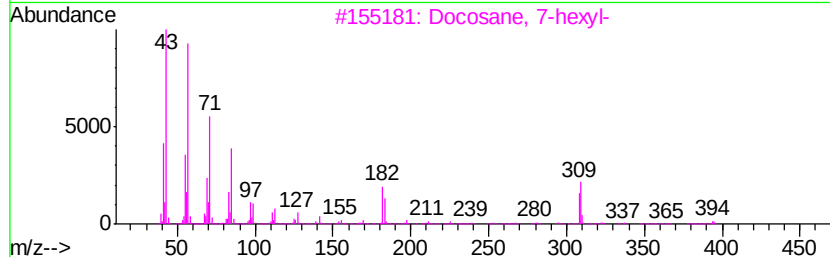
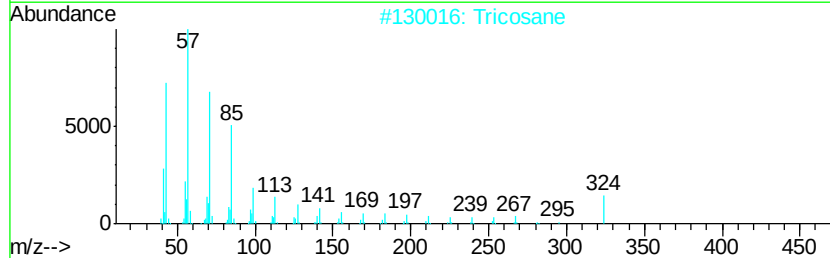
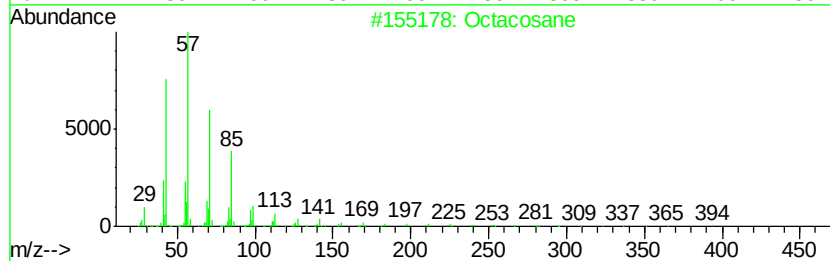
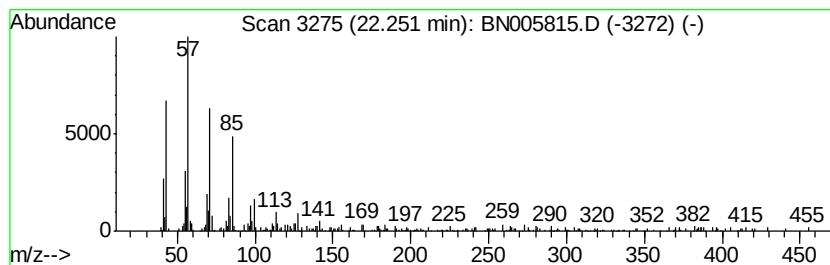
Instrument :  
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ClientSampleId :  
BFHF4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN051819MA.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.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.           |
|---------|------------|--------------------|------------------|----------------|
| 22.25   | 2.08 ng/ul | 207334             | Chrysene-d12     | 21.20          |
| Hit# of | 5          | Tentative ID       | MW MolForm       | CAS# Qual      |
| 1       |            | Octacosane         | 394 C28H58       | 000630-02-4 97 |
| 2       |            | Tricosane          | 324 C23H48       | 000638-67-5 97 |
| 3       |            | Docosane, 7-hexyl- | 394 C28H58       | 055373-86-9 90 |
| 4       |            | Hexacosane         | 366 C26H54       | 000630-01-3 83 |
| 5       |            | Nonacosane         | 408 C29H60       | 000630-03-5 81 |



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Quant Title : SVOA CALIBRATION

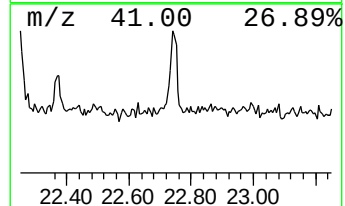
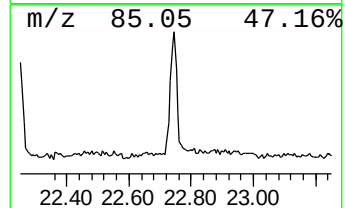
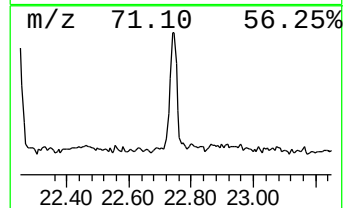
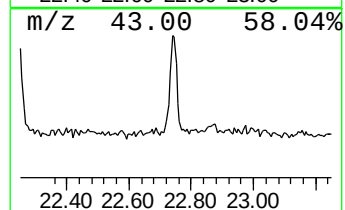
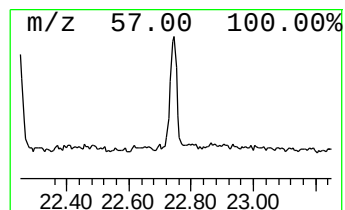
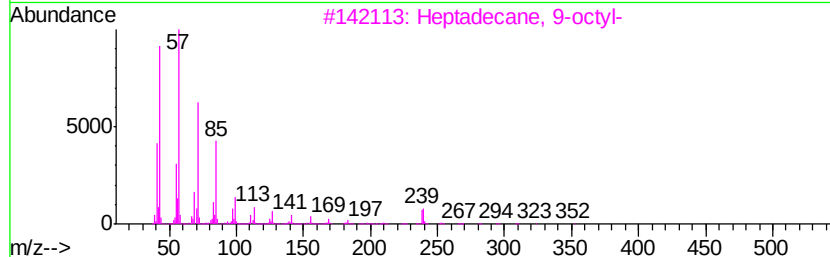
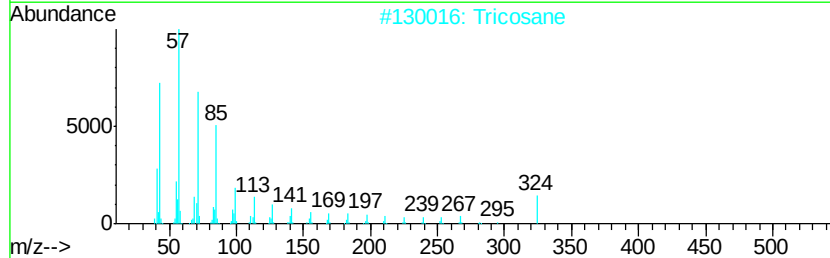
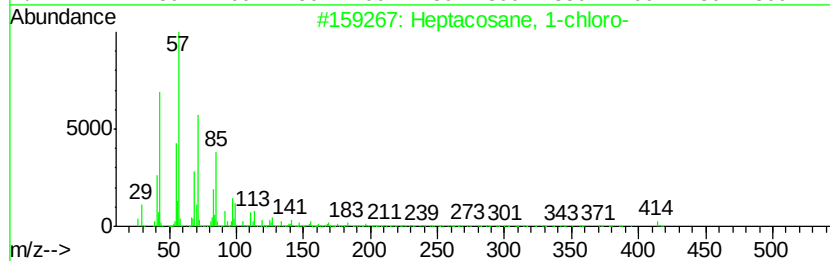
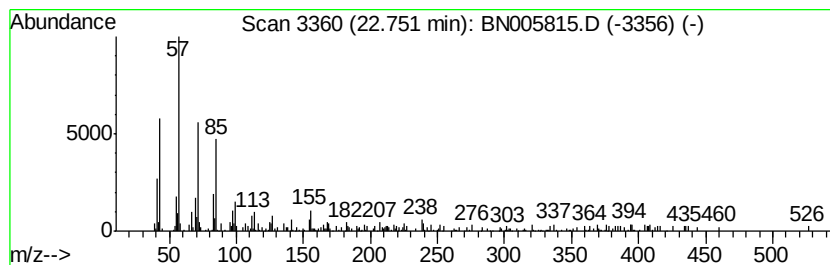
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Heptacosane, 1-chloro- Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 22.75 | 2.47 ng/ul | 211037 | Perylene-d12     | 23.41 |

| Hit# | of | Tentative ID           | MW  | MolForm  | CAS#        | Qual |
|------|----|------------------------|-----|----------|-------------|------|
| 1    | 5  | Heptacosane, 1-chloro- | 414 | C27H55Cl | 062016-79-9 | 95   |
| 2    |    | Tricosane              | 324 | C23H48   | 000638-67-5 | 93   |
| 3    |    | Heptadecane, 9-octyl-  | 352 | C25H52   | 007225-64-1 | 90   |
| 4    |    | Tritriacontane         | 465 | C33H68   | 000630-05-7 | 81   |
| 5    |    | Triacontane            | 422 | C30H62   | 000638-68-6 | 74   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN052019\  
Data File : BN005815.D  
Acq On : 21 May 2019 00:22  
Operator : JU/SJ  
Sample : K2693-19  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BFHF4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN051819MA.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 |
| (DEL) Alkane: Cyc... | 20.93 | 2.4     | ng/ul | 243120   | 5                     | 21.20 | 1992580 | 20.0 |
| (DEL) Alkane: Str... | 22.25 | 2.1     | ng/ul | 207334   | 5                     | 21.20 | 1992580 | 20.0 |
| Heptacosane, 1-ch... | 22.75 | 2.5     | ng/ul | 211037   | 6                     | 23.41 | 1709380 | 20.0 |