

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN072018\  
 Data File : BN002093.D  
 Acq On : 20 Jul 2018 10:48  
 Operator : JU/SJ  
 Sample : J4039-07  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DB1P5

## 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:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN071318MA.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         | 3.258       | 42            | 46          | 52           | rVB      | 58947          | 81579         | 1.23%           | 0.129%        |
| 2         | 6.875       | 654           | 661         | 674          | rVB2     | 206732         | 433742        | 6.56%           | 0.687%        |
| 3         | 7.040       | 682           | 689         | 706          | rVB      | 773473         | 1168219       | 17.68%          | 1.849%        |
| 4         | 7.234       | 715           | 722         | 733          | rBV      | 787167         | 1286268       | 19.46%          | 2.036%        |
| 5         | 7.699       | 794           | 801         | 809          | rBV      | 862263         | 1348843       | 20.41%          | 2.135%        |
| 6         | 8.405       | 914           | 921         | 936          | rVB      | 603611         | 1019111       | 15.42%          | 1.613%        |
| 7         | 8.846       | 989           | 996         | 1006         | rBV      | 1005395        | 1653797       | 25.02%          | 2.618%        |
| 8         | 9.563       | 1111          | 1118        | 1128         | rBV      | 852031         | 1400345       | 21.19%          | 2.217%        |
| 9         | 10.099      | 1202          | 1209        | 1216         | rBV      | 1175793        | 2000152       | 30.26%          | 3.166%        |
| 10        | 10.163      | 1216          | 1220        | 1226         | rVB      | 113488         | 175116        | 2.65%           | 0.277%        |
| 11        | 10.469      | 1264          | 1272        | 1282         | rBV      | 1253238        | 2203480       | 33.34%          | 3.488%        |
| 12        | 13.234      | 1735          | 1742        | 1751         | rBV      | 443531         | 723220        | 10.94%          | 1.145%        |
| 13        | 13.745      | 1820          | 1829        | 1833         | rBV      | 2534301        | 3475736       | 52.59%          | 5.502%        |
| 14        | 13.793      | 1833          | 1837        | 1845         | rVB      | 514642         | 727105        | 11.00%          | 1.151%        |
| 15        | 14.022      | 1869          | 1876        | 1887         | rBV      | 2617722        | 3804141       | 57.56%          | 6.021%        |
| 16        | 14.334      | 1922          | 1929        | 1937         | rBV2     | 1944816        | 3021077       | 45.71%          | 4.782%        |
| 17        | 14.545      | 1959          | 1965        | 1979         | rBV      | 185371         | 347316        | 5.26%           | 0.550%        |
| 18        | 15.328      | 2091          | 2098        | 2105         | rBV      | 3635183        | 5219252       | 78.97%          | 8.261%        |
| 19        | 15.451      | 2113          | 2119        | 2134         | rBV      | 1261525        | 1779419       | 26.92%          | 2.817%        |
| 20        | 17.081      | 2389          | 2396        | 2404         | rBV      | 2620766        | 3684781       | 55.75%          | 5.832%        |
| 21        | 17.181      | 2406          | 2413        | 2427         | rVV      | 3892604        | 5551637       | 84.00%          | 8.787%        |
| 22        | 17.986      | 2545          | 2550        | 2557         | rBV2     | 59115          | 88801         | 1.34%           | 0.141%        |
| 23        | 18.928      | 2705          | 2710        | 2715         | rBV4     | 42315          | 87229         | 1.32%           | 0.138%        |
| 24        | 19.110      | 2737          | 2741        | 2745         | rBV      | 49103          | 67074         | 1.01%           | 0.106%        |
| 25        | 19.480      | 2798          | 2804        | 2812         | rBV      | 4893701        | 6608959       | 100.00%         | 10.461%       |
| 26        | 21.280      | 3104          | 3110        | 3116         | rBV      | 3134977        | 4110252       | 62.19%          | 6.506%        |
| 27        | 21.880      | 3209          | 3212        | 3216         | rVB3     | 62187          | 68839         | 1.04%           | 0.109%        |
| 28        | 22.345      | 3287          | 3291        | 3297         | rVB      | 120078         | 151863        | 2.30%           | 0.240%        |
| 29        | 22.469      | 3309          | 3312        | 3319         | rVB      | 61307          | 78864         | 1.19%           | 0.125%        |
| 30        | 22.851      | 3373          | 3377        | 3382         | rVB      | 189224         | 257715        | 3.90%           | 0.408%        |
| 31        | 23.374      | 3458          | 3466        | 3472         | rBV      | 2917070        | 5731195       | 86.72%          | 9.072%        |
| 32        | 23.510      | 3482          | 3489        | 3499         | rVB      | 1905951        | 3623356       | 54.82%          | 5.735%        |
| 33        | 24.057      | 3576          | 3582        | 3591         | rVB      | 219797         | 430945        | 6.52%           | 0.682%        |
| 34        | 24.798      | 3702          | 3708        | 3718         | rVB2     | 210300         | 462916        | 7.00%           | 0.733%        |

## LSC Area Percent Report

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ClientSampleId :  
DB1P5

Integration Parameters: LSCINT.P  
Integrator: RTE  
Smoothing : OFF Filtering: 5  
Sampling : 1 Min Area: 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-BN071318MA.M  
Title : SVOA CALIBRATION

|    |        |      |      |      |      |        |        |       |        |
|----|--------|------|------|------|------|--------|--------|-------|--------|
| 35 | 25.657 | 3850 | 3854 | 3864 | rVB5 | 122454 | 304902 | 4.61% | 0.483% |
|----|--------|------|------|------|------|--------|--------|-------|--------|

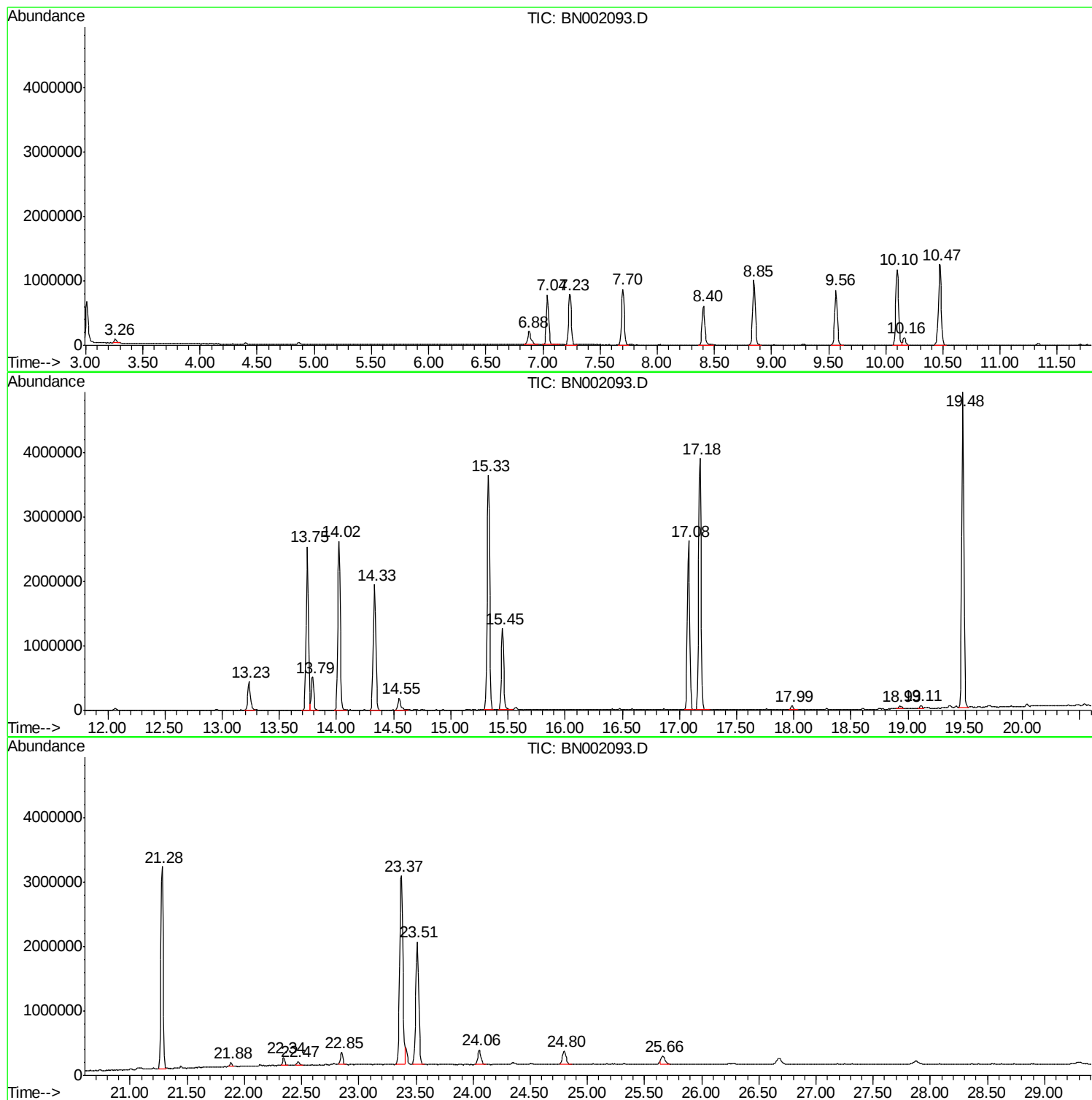
Sum of corrected areas: 63177246

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN071318MA.M  
Quant Title : SVOA CALIBRATION

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



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ALS Vial : 4 Sample Multiplier: 1

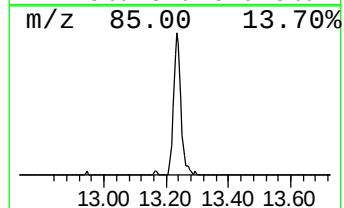
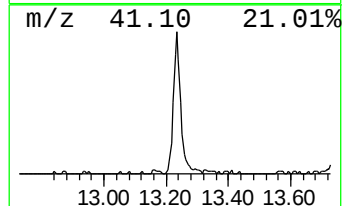
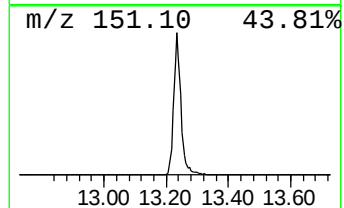
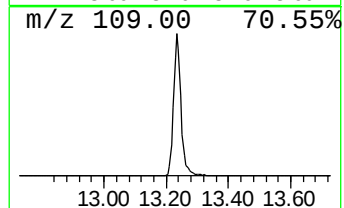
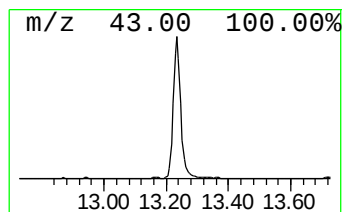
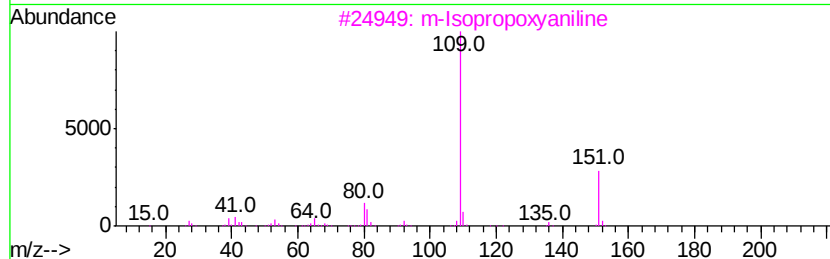
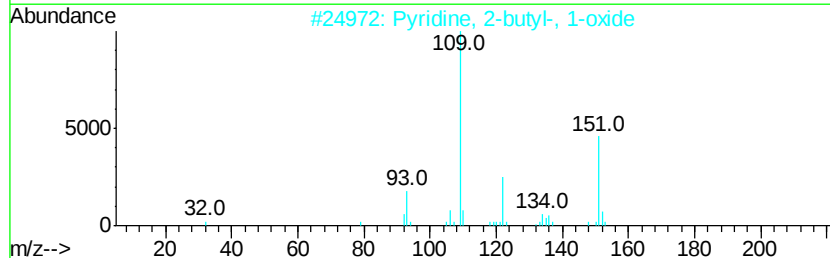
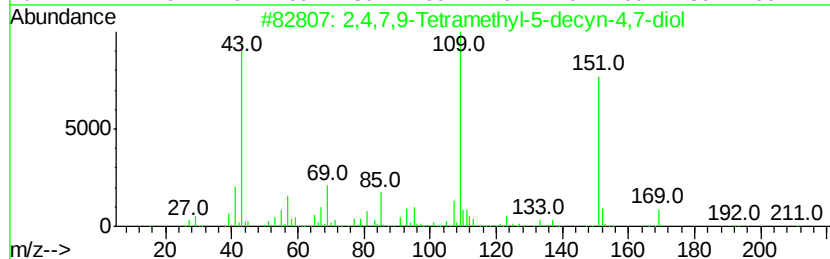
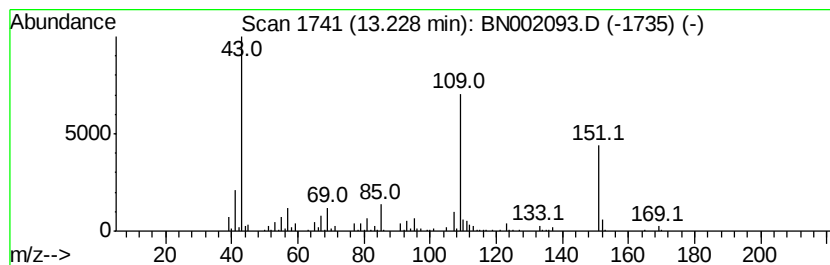
Instrument :  
BNA\_N  
ClientSampleId :  
DB1P5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN071318MA.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 1 2,4,7,9-Tetramethyl-5-decyn... Concentration Rank 1

| R.T.    | EstConc                             | Area         | Relative to ISTD | R.T.      |
|---------|-------------------------------------|--------------|------------------|-----------|
| 13.23   | 4.79 ng/ul                          | 723220       | Acenaphthene-d10 | 14.33     |
| Hit# of | 5                                   | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | 2,4,7,9-Tetramethyl-5-decyn-4,7-... | 226 C14H26O2 | 000126-86-3      | 91        |
| 2       | Pyridine, 2-butyl-, 1-oxide         | 151 C9H13NO  | 031396-32-4      | 59        |
| 3       | m-Isopropoxvaniline                 | 151 C9H13NO  | 041406-00-2      | 59        |
| 4       | Metacetamol                         | 151 C8H9NO2  | 000621-42-1      | 45        |
| 5       | 3,6-Dimethyl-6-hepten-4-yn-3-ol     | 138 C9H14O   | 003601-67-0      | 43        |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN071318MA.M  
Quant Title : SVOA CALIBRATION

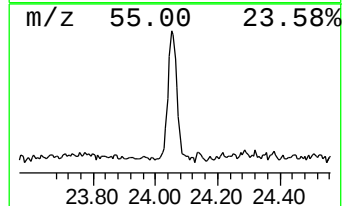
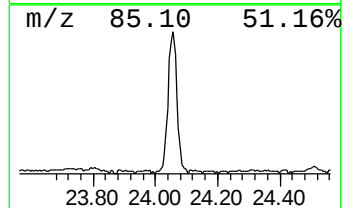
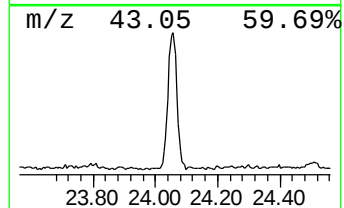
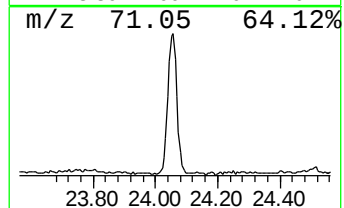
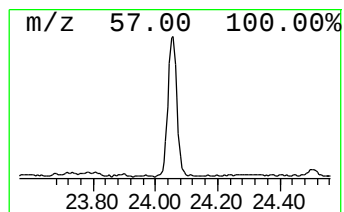
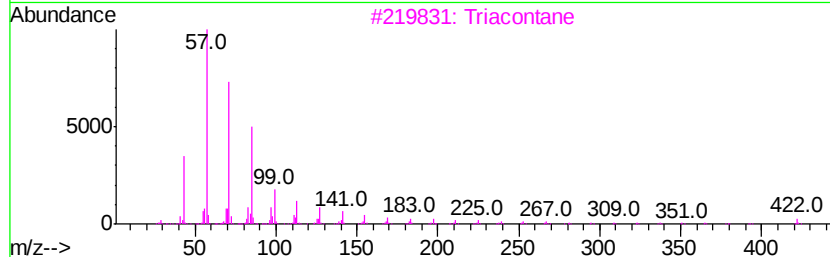
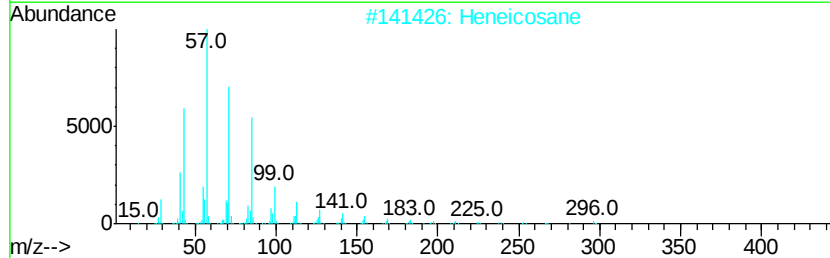
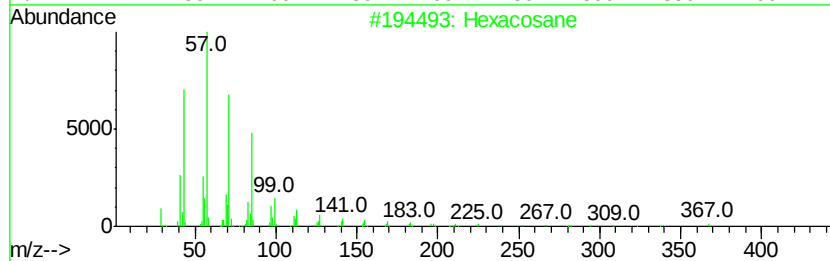
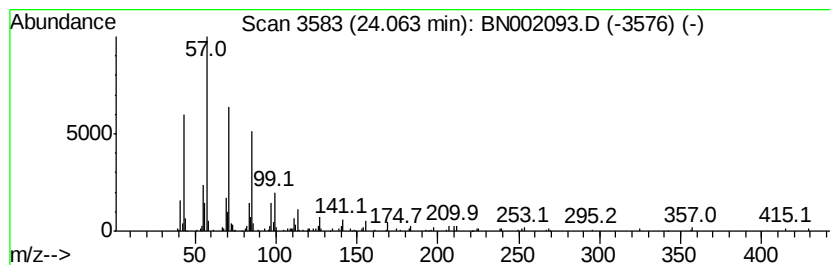
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 24.06 | 2.38 ng/ul | 430945 | Perylene-d12     | 23.51 |

| Hit# | of | 5 | Tentative ID      | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------|-----|---------|-------------|------|
| 1    |    |   | Hexacosane        | 366 | C26H54  | 000630-01-3 | 90   |
| 2    |    |   | Heneicosane       | 296 | C21H44  | 000629-94-7 | 90   |
| 3    |    |   | Triacontane       | 422 | C30H62  | 000638-68-6 | 90   |
| 4    |    |   | Tetratetracontane | 619 | C44H90  | 007098-22-8 | 90   |
| 5    |    |   | Octacosane        | 394 | C28H58  | 000630-02-4 | 87   |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN071318MA.M  
Quant Title : SVOA CALIBRATION

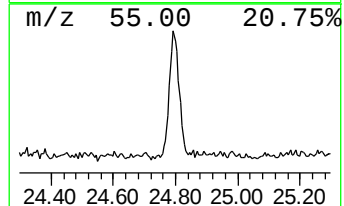
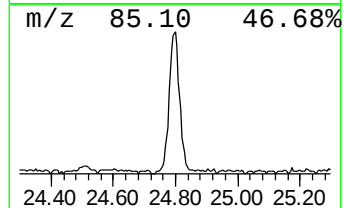
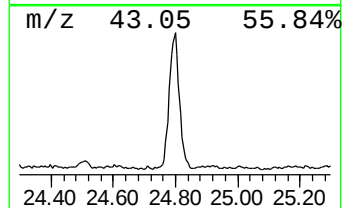
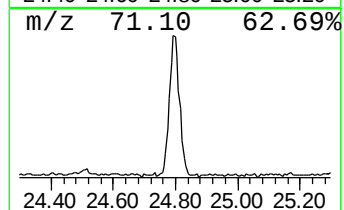
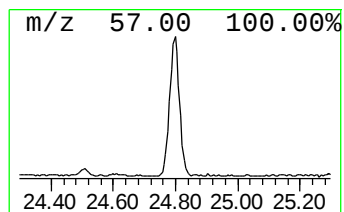
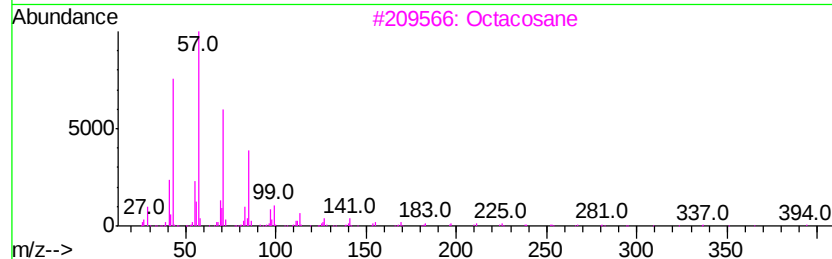
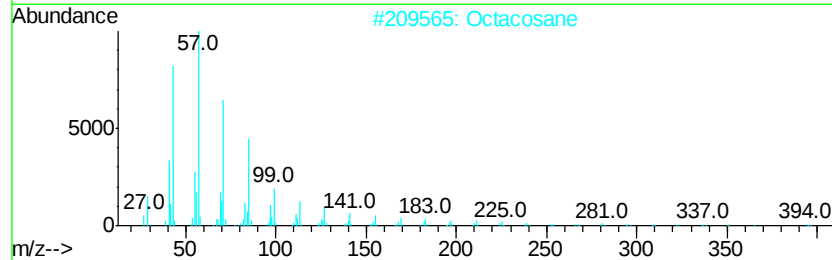
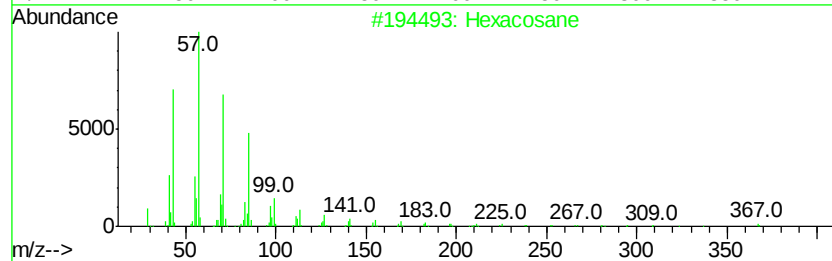
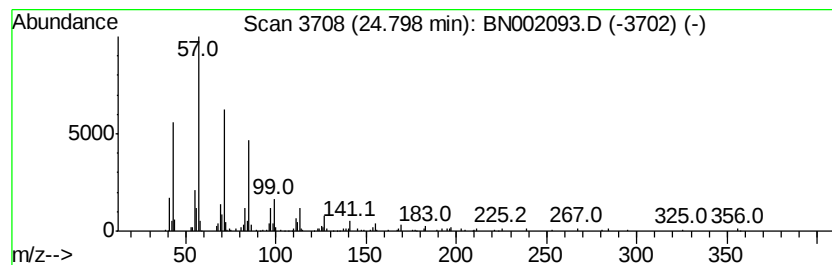
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 24.80 | 2.56 ng/ul | 462916 | Perylene-d12     | 23.51 |

| Hit# | of | 5 | Tentative ID   | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------|-----|---------|-------------|------|
| 1    |    |   | Hexacosane     | 366 | C26H54  | 000630-01-3 | 94   |
| 2    |    |   | Octacosane     | 394 | C28H58  | 000630-02-4 | 91   |
| 3    |    |   | Octacosane     | 394 | C28H58  | 000630-02-4 | 90   |
| 4    |    |   | Docosane       | 310 | C22H46  | 000629-97-0 | 90   |
| 5    |    |   | Hentriacontane | 437 | C31H64  | 000630-04-6 | 90   |



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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 |
| 2,4,7,9-Tetrameth... | 13.23 | 4.8     | ng/ul | 723220   | 3                     | 14.33 | 3021080 | 20.0 |
| (DEL) Alkane: Str... | 24.06 | 2.4     | ng/ul | 430945   | 6                     | 23.51 | 3623360 | 20.0 |
| (DEL) Alkane: Str... | 24.80 | 2.6     | ng/ul | 462916   | 6                     | 23.51 | 3623360 | 20.0 |