

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042619\  
 Data File : BN005321.D  
 Acq On : 26 Apr 2019 18:11  
 Operator : JU/SJ  
 Sample : PB119090BL  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SBLK90

## 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-BN041919MA.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         | 3.216       | 35            | 39          | 46           | rVB      | 110134         | 146795        | 1.31%           | 0.126%        |
| 2         | 3.911       | 154           | 157         | 163          | rVB4     | 14118          | 23658         | 0.21%           | 0.020%        |
| 3         | 4.863       | 316           | 319         | 324          | rVB4     | 7420           | 12240         | 0.11%           | 0.011%        |
| 4         | 6.775       | 637           | 644         | 655          | rVB      | 1889825        | 2938886       | 26.24%          | 2.522%        |
| 5         | 6.940       | 666           | 672         | 682          | rBV      | 1468656        | 2283220       | 20.38%          | 1.959%        |
| 6         | 7.134       | 697           | 705         | 718          | rVB      | 1835896        | 2978624       | 26.59%          | 2.556%        |
| 7         | 7.593       | 776           | 783         | 792          | rBV      | 1734252        | 2728381       | 24.36%          | 2.341%        |
| 8         | 8.293       | 894           | 902         | 914          | rBV      | 2321633        | 3765715       | 33.62%          | 3.231%        |
| 9         | 8.734       | 969           | 977         | 989          | rBV      | 1863737        | 3016327       | 26.93%          | 2.588%        |
| 10        | 9.446       | 1091          | 1098        | 1113         | rVB      | 1501155        | 2509651       | 22.41%          | 2.153%        |
| 11        | 9.981       | 1181          | 1189        | 1209         | rBV      | 2304143        | 3936883       | 35.15%          | 3.378%        |
| 12        | 10.351      | 1245          | 1252        | 1259         | rBV      | 2355041        | 3988301       | 35.61%          | 3.422%        |
| 13        | 10.398      | 1259          | 1260        | 1267         | rVB      | 43832          | 54015         | 0.48%           | 0.046%        |
| 14        | 10.493      | 1268          | 1276        | 1291         | rBV      | 2348544        | 4027751       | 35.96%          | 3.456%        |
| 15        | 11.957      | 1518          | 1525        | 1530         | rBV3     | 26901          | 51803         | 0.46%           | 0.044%        |
| 16        | 12.034      | 1533          | 1538        | 1551         | rVB3     | 26015          | 57279         | 0.51%           | 0.049%        |
| 17        | 12.251      | 1568          | 1575        | 1580         | rBV5     | 13916          | 27376         | 0.24%           | 0.023%        |
| 18        | 13.404      | 1765          | 1771        | 1775         | rVB6     | 7234           | 14479         | 0.13%           | 0.012%        |
| 19        | 13.539      | 1791          | 1794        | 1801         | rVB2     | 7241           | 11584         | 0.10%           | 0.010%        |
| 20        | 13.604      | 1801          | 1805        | 1806         | rBV2     | 10982          | 14035         | 0.13%           | 0.012%        |
| 21        | 13.645      | 1806          | 1812        | 1823         | rVB      | 4215746        | 5879676       | 52.49%          | 5.045%        |
| 22        | 13.916      | 1850          | 1858        | 1872         | rBV      | 4883059        | 7186476       | 64.16%          | 6.167%        |
| 23        | 14.228      | 1903          | 1911        | 1919         | rBV2     | 3484956        | 5306176       | 47.37%          | 4.553%        |
| 24        | 14.434      | 1938          | 1946        | 1965         | rBV      | 1825376        | 2998103       | 26.77%          | 2.573%        |
| 25        | 15.228      | 2074          | 2081        | 2088         | rBV      | 6149560        | 8700554       | 77.68%          | 7.466%        |
| 26        | 15.351      | 2096          | 2102        | 2115         | rBV      | 1648003        | 2387472       | 21.32%          | 2.049%        |
| 27        | 15.469      | 2117          | 2122        | 2131         | rVB      | 79479          | 125543        | 1.12%           | 0.108%        |
| 28        | 16.016      | 2211          | 2215        | 2221         | rVB3     | 27422          | 34887         | 0.31%           | 0.030%        |
| 29        | 16.669      | 2322          | 2326        | 2329         | rVB3     | 11195          | 15698         | 0.14%           | 0.013%        |
| 30        | 16.769      | 2337          | 2343        | 2347         | rBV      | 17834          | 29078         | 0.26%           | 0.025%        |
| 31        | 16.980      | 2372          | 2379        | 2385         | rBV2     | 4726598        | 6550519       | 58.48%          | 5.621%        |
| 32        | 17.080      | 2389          | 2396        | 2408         | rVB      | 6756829        | 9755516       | 87.10%          | 8.371%        |
| 33        | 17.916      | 2534          | 2538        | 2543         | rBV7     | 12972          | 20496         | 0.18%           | 0.018%        |
| 34        | 19.022      | 2722          | 2726        | 2730         | rBV      | 71788          | 95442         | 0.85%           | 0.082%        |

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Integrator: RTE  
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 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-BN041919MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |          |         |        |
|----|--------|------|------|------|------|---------|----------|---------|--------|
| 35 | 19.204 | 2753 | 2757 | 2762 | rBV5 | 11090   | 15091    | 0.13%   | 0.013% |
| 36 | 19.280 | 2765 | 2770 | 2774 | rVV  | 62334   | 87274    | 0.78%   | 0.075% |
| 37 | 19.392 | 2783 | 2789 | 2800 | rBV2 | 7773356 | 11200583 | 100.00% | 9.611% |
| 38 | 21.210 | 3092 | 3098 | 3107 | rBV  | 5086992 | 6584277  | 58.79%  | 5.650% |
| 39 | 21.398 | 3128 | 3130 | 3135 | rBV2 | 53320   | 61469    | 0.55%   | 0.053% |
| 40 | 21.833 | 3201 | 3204 | 3209 | rBV2 | 107197  | 126282   | 1.13%   | 0.108% |
| 41 | 22.292 | 3278 | 3282 | 3291 | rVB2 | 244645  | 315028   | 2.81%   | 0.270% |
| 42 | 22.792 | 3363 | 3367 | 3377 | rVB  | 309880  | 437459   | 3.91%   | 0.375% |
| 43 | 23.274 | 3442 | 3449 | 3457 | rBV2 | 4709411 | 8445118  | 75.40%  | 7.247% |
| 44 | 23.351 | 3457 | 3462 | 3466 | rVV  | 369071  | 624577   | 5.58%   | 0.536% |
| 45 | 23.410 | 3466 | 3472 | 3483 | rVB  | 2875173 | 5418357  | 48.38%  | 4.649% |
| 46 | 23.980 | 3564 | 3569 | 3576 | rBV  | 295841  | 542018   | 4.84%   | 0.465% |
| 47 | 24.709 | 3687 | 3693 | 3706 | rVB  | 273861  | 610545   | 5.45%   | 0.524% |
| 48 | 25.557 | 3833 | 3837 | 3847 | rVB4 | 177787  | 399297   | 3.56%   | 0.343% |

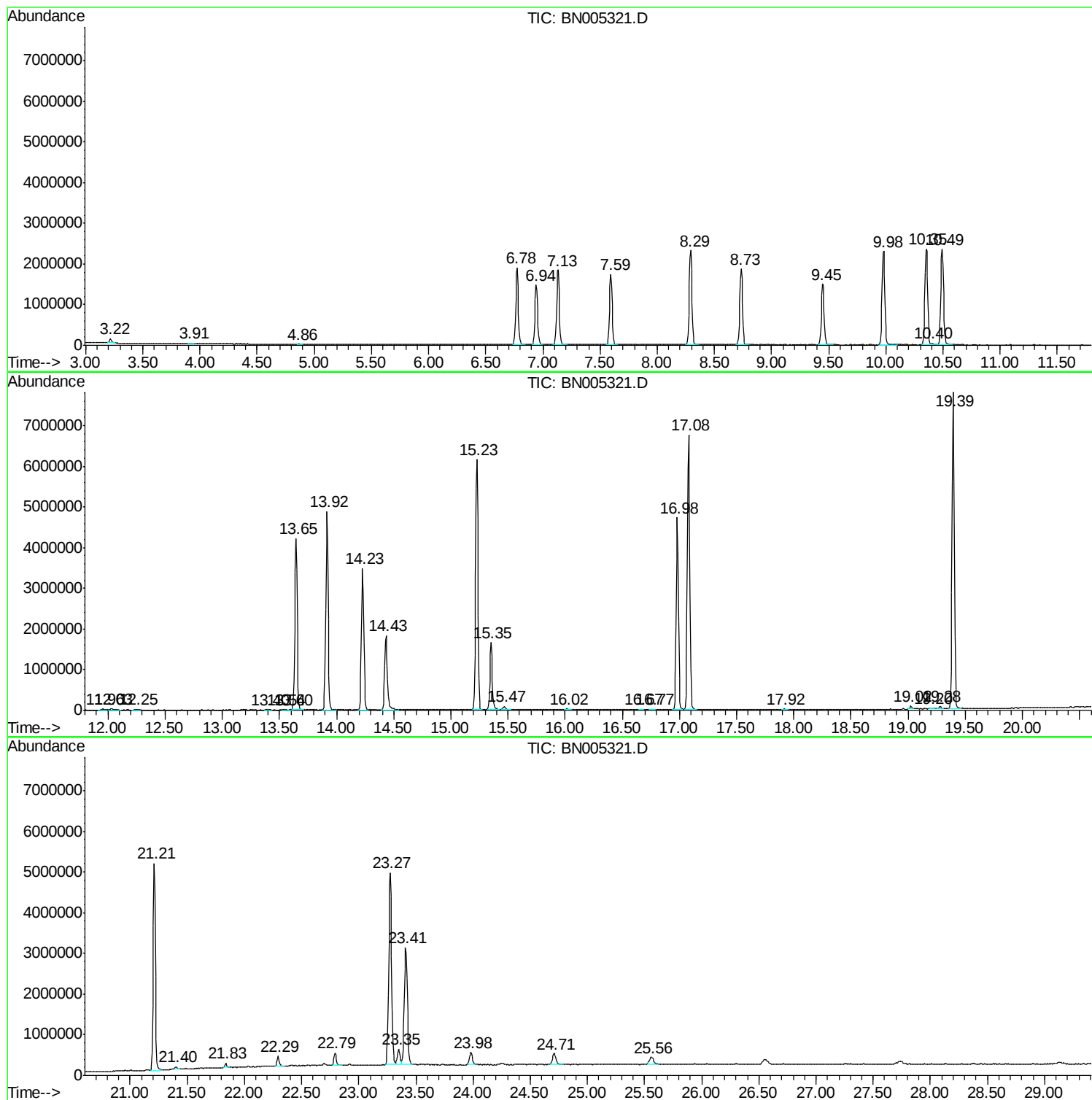
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
Quant Title : SVOA CALIBRATION

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\_N\METHODS\SOM-EPA-BN041919MA.M  
Quant Title : SVOA CALIBRATION

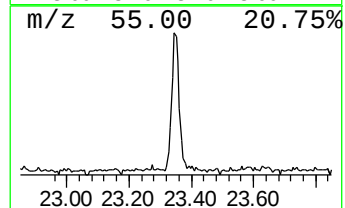
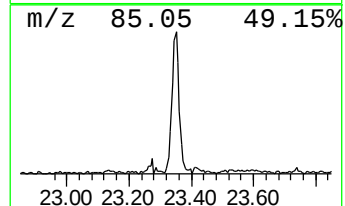
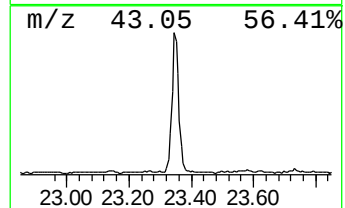
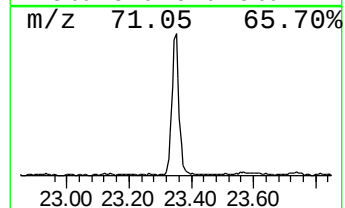
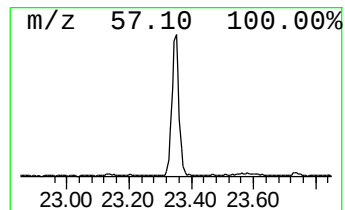
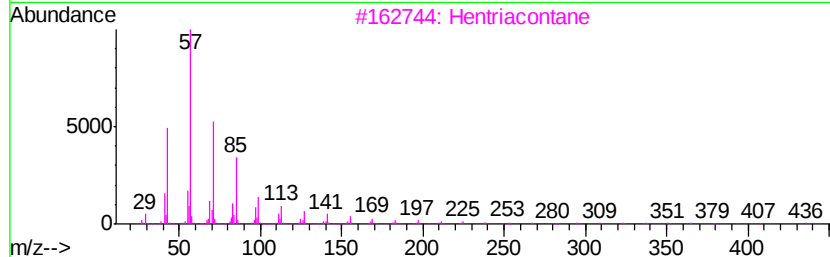
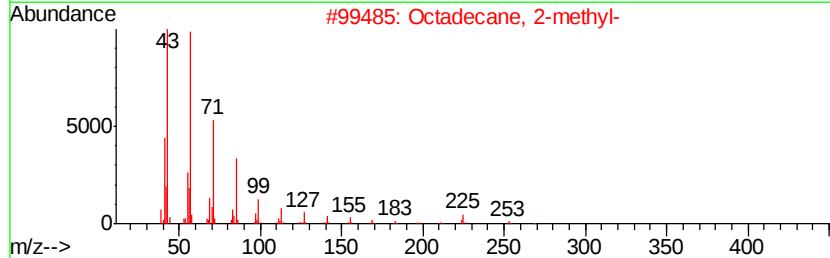
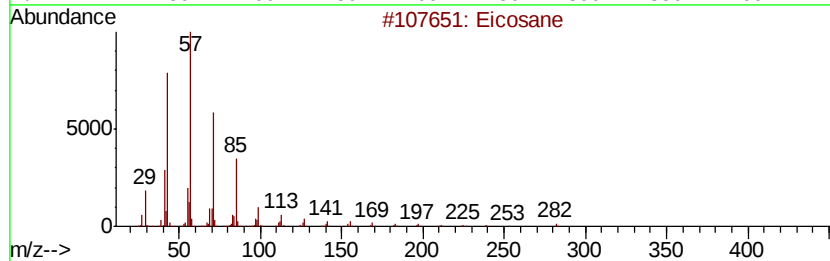
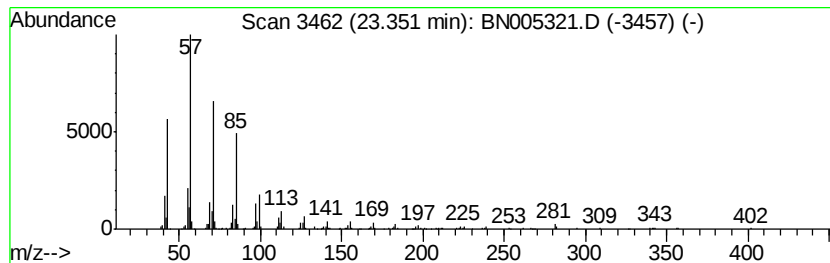
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 23.35 | 2.31 ng/ul | 624577 | Perylene-d12     | 23.41 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Eicosane              | 282 | C20H42  | 000112-95-8 | 95   |
| 2    |    | Octadecane, 2-methyl- | 268 | C19H40  | 001560-88-9 | 93   |
| 3    |    | Hentriacontane        | 437 | C31H64  | 000630-04-6 | 90   |
| 4    |    | Nonacosane            | 408 | C29H60  | 000630-03-5 | 90   |
| 5    |    | Heneicosane           | 296 | C21H44  | 000629-94-7 | 90   |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
Quant Title : SVOA CALIBRATION

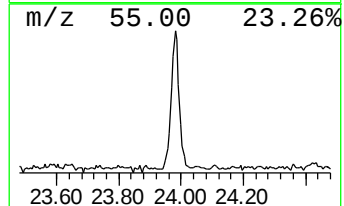
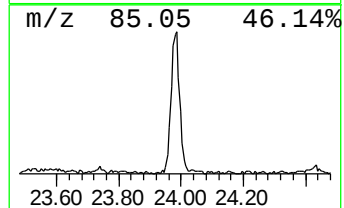
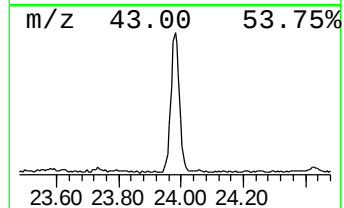
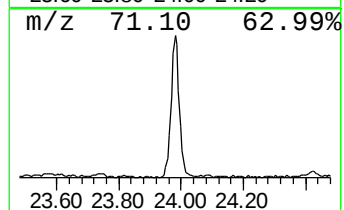
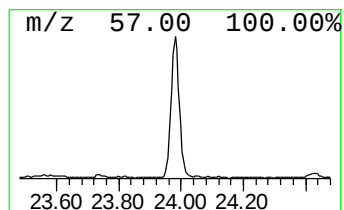
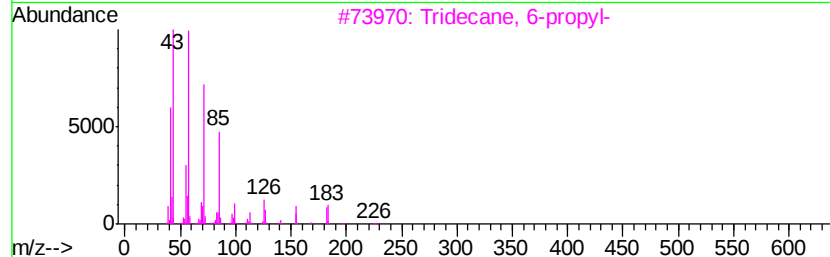
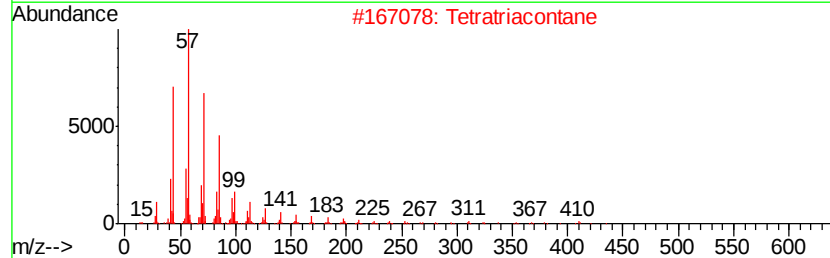
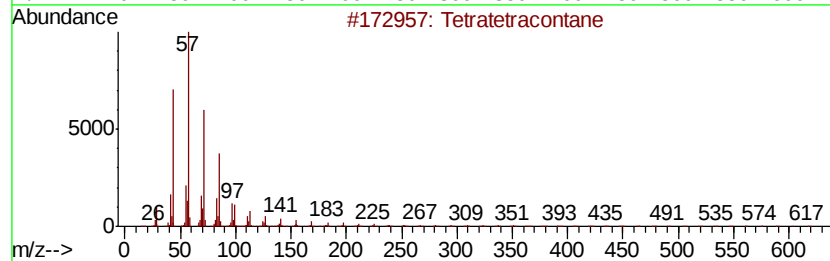
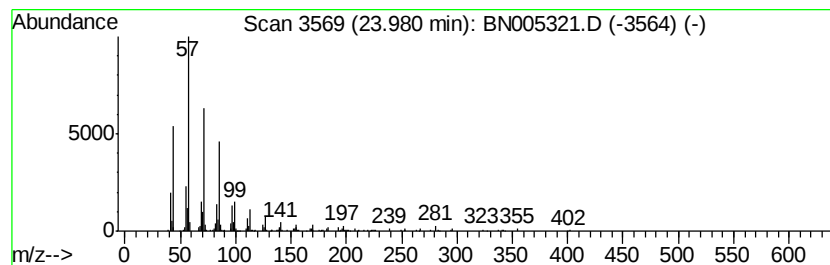
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 23.98 | 2.00 ng/ul | 542018 | Perylene-d12     | 23.41 |

| Hit# | of | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------|-----|---------|-------------|------|
| 1    | 5  | Tetratetracontane    | 619 | C44H90  | 007098-22-8 | 90   |
| 2    |    | Tetratriacontane     | 479 | C34H70  | 014167-59-0 | 90   |
| 3    |    | Tridecane, 6-propyl- | 226 | C16H34  | 055045-10-8 | 87   |
| 4    |    | Hexatriacontane      | 507 | C36H74  | 000630-06-8 | 87   |
| 5    |    | Heneicosane          | 296 | C21H44  | 000629-94-7 | 87   |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
Quant Title : SVOA CALIBRATION

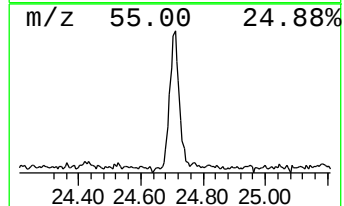
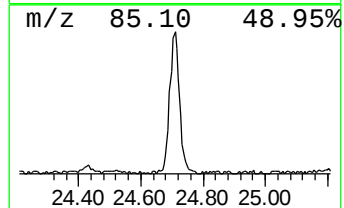
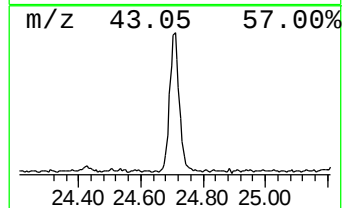
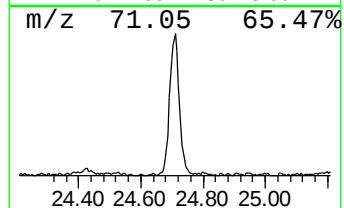
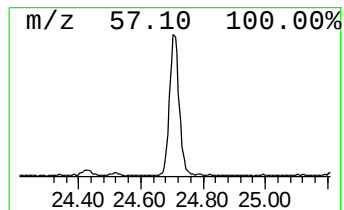
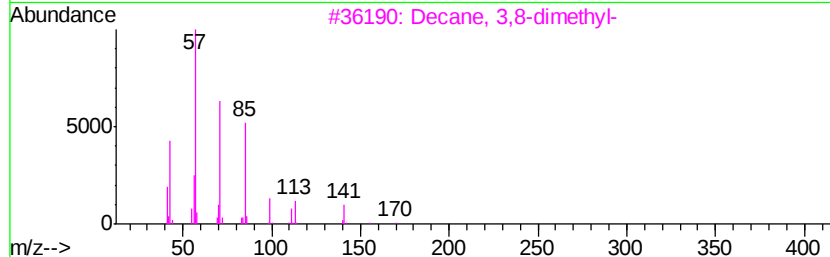
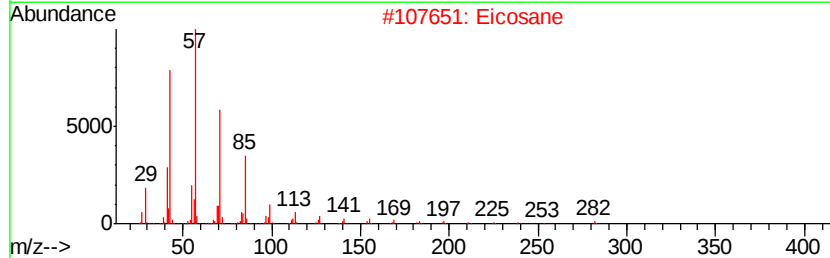
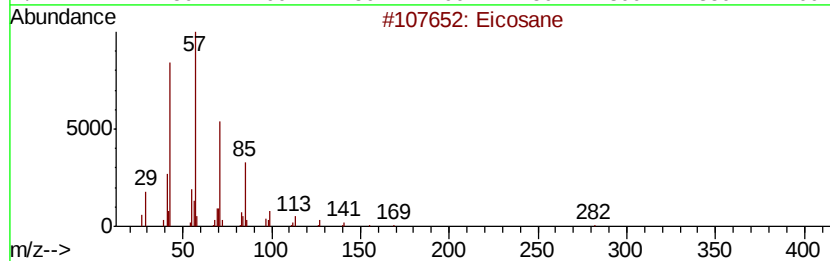
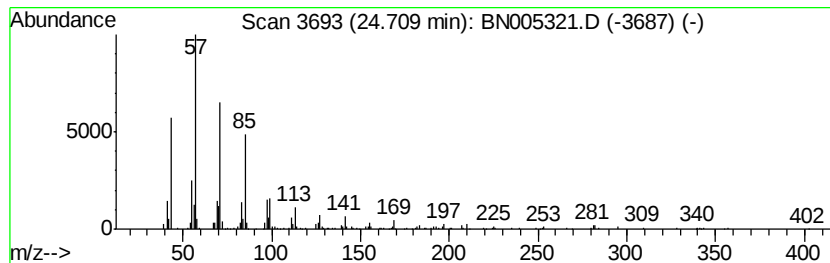
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 24.71 | 2.25 ng/ul | 610545 | Perylene-d12     | 23.41 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Eicosane              | 282 | C20H42  | 000112-95-8 | 96   |
| 2    |    | Eicosane              | 282 | C20H42  | 000112-95-8 | 93   |
| 3    |    | Decane, 3,8-dimethyl- | 170 | C12H26  | 017312-55-9 | 91   |
| 4    |    | Tetratetracontane     | 619 | C44H90  | 007098-22-8 | 90   |
| 5    |    | triacontane           | 422 | C30H62  | 000638-68-6 | 87   |



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Quant Title : SVOA CALIBRATION

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

|                      |       |         |       |          | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
| TIC Top Hit name     | RT    | EstConc | Units | Response | #                     | RT    | Resp    | Conc |
| (DEL) Alkane: Str... | 23.35 | 2.3     | ng/ul | 624577   | 6                     | 23.41 | 5418360 | 20.0 |
| (DEL) Alkane: Str... | 23.98 | 2.0     | ng/ul | 542018   | 6                     | 23.41 | 5418360 | 20.0 |
| (DEL) Alkane: Str... | 24.71 | 2.3     | ng/ul | 610545   | 6                     | 23.41 | 5418360 | 20.0 |