

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060420\  
 Data File : BM026259.D  
 Acq On : 04 Jun 2020 16:07  
 Operator : JU/CG  
 Sample : L2844-04  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0AF0

## 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-BM051320MA.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         | 3.052       | 25            | 28          | 36           | rVB      | 45390          | 61629         | 1.88%           | 0.194%        |
| 2         | 3.669       | 128           | 133         | 138          | rBV3     | 10388          | 18539         | 0.57%           | 0.058%        |
| 3         | 3.752       | 143           | 147         | 150          | rBV      | 12484          | 15289         | 0.47%           | 0.048%        |
| 4         | 4.110       | 204           | 208         | 212          | rBV2     | 16492          | 22081         | 0.67%           | 0.069%        |
| 5         | 5.063       | 365           | 370         | 375          | rBV7     | 3371           | 5105          | 0.16%           | 0.016%        |
| 6         | 5.452       | 433           | 436         | 438          | rBV3     | 3024           | 3274          | 0.10%           | 0.010%        |
| 7         | 5.563       | 451           | 455         | 463          | rVB5     | 8924           | 15211         | 0.46%           | 0.048%        |
| 8         | 6.522       | 615           | 618         | 622          | rBV5     | 2287           | 3410          | 0.10%           | 0.011%        |
| 9         | 6.628       | 628           | 636         | 637          | rBV3     | 21358          | 31934         | 0.98%           | 0.100%        |
| 10        | 6.663       | 637           | 642         | 653          | rVB      | 171889         | 281702        | 8.61%           | 0.886%        |
| 11        | 6.816       | 662           | 668         | 682          | rBV      | 536545         | 806297        | 24.65%          | 2.535%        |
| 12        | 7.004       | 694           | 700         | 710          | rBV      | 588845         | 896807        | 27.41%          | 2.820%        |
| 13        | 7.122       | 715           | 720         | 726          | rBV3     | 16890          | 34381         | 1.05%           | 0.108%        |
| 14        | 7.175       | 726           | 729         | 735          | rVB5     | 8683           | 14916         | 0.46%           | 0.047%        |
| 15        | 7.463       | 771           | 778         | 786          | rBV      | 512962         | 772117        | 23.60%          | 2.428%        |
| 16        | 7.551       | 788           | 793         | 798          | rVB      | 20005          | 29244         | 0.89%           | 0.092%        |
| 17        | 7.975       | 861           | 865         | 871          | rVB5     | 4628           | 6174          | 0.19%           | 0.019%        |
| 18        | 8.081       | 879           | 883         | 886          | rBV4     | 7432           | 11968         | 0.37%           | 0.038%        |
| 19        | 8.181       | 893           | 900         | 910          | rBV      | 429557         | 668688        | 20.44%          | 2.102%        |
| 20        | 8.293       | 915           | 919         | 924          | rVB4     | 5330           | 8066          | 0.25%           | 0.025%        |
| 21        | 8.557       | 959           | 964         | 967          | rBV      | 29838          | 46719         | 1.43%           | 0.147%        |
| 22        | 8.604       | 967           | 972         | 980          | rVV      | 634839         | 1035639       | 31.66%          | 3.256%        |
| 23        | 8.669       | 980           | 983         | 988          | rVB2     | 7709           | 13815         | 0.42%           | 0.043%        |
| 24        | 8.792       | 999           | 1004        | 1011         | rVB      | 25981          | 39194         | 1.20%           | 0.123%        |
| 25        | 9.075       | 1046          | 1052        | 1056         | rBV3     | 13050          | 18499         | 0.57%           | 0.058%        |
| 26        | 9.322       | 1087          | 1094        | 1106         | rBV      | 519934         | 832277        | 25.44%          | 2.617%        |
| 27        | 9.857       | 1177          | 1185        | 1198         | rBV      | 682693         | 1138472       | 34.80%          | 3.580%        |
| 28        | 10.022      | 1212          | 1213        | 1218         | rVB4     | 3822           | 4888          | 0.15%           | 0.015%        |
| 29        | 10.151      | 1230          | 1235        | 1241         | rVV      | 22302          | 42032         | 1.28%           | 0.132%        |
| 30        | 10.222      | 1241          | 1247        | 1255         | rVV      | 649612         | 1041754       | 31.85%          | 3.275%        |
| 31        | 10.304      | 1258          | 1261        | 1265         | rVB3     | 6571           | 8553          | 0.26%           | 0.027%        |
| 32        | 10.381      | 1265          | 1274        | 1282         | rBV      | 34689          | 67616         | 2.07%           | 0.213%        |
| 33        | 10.869      | 1353          | 1357        | 1359         | rBV4     | 3356           | 5030          | 0.15%           | 0.016%        |
| 34        | 11.063      | 1386          | 1390        | 1398         | rVB6     | 3284           | 7295          | 0.22%           | 0.023%        |

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Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051320MA.M  
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|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 11.204 | 1412 | 1414 | 1420 | rVB7 | 2196    | 3583    | 0.11%  | 0.011% |
| 36 | 11.545 | 1468 | 1472 | 1478 | rBV6 | 6042    | 12477   | 0.38%  | 0.039% |
| 37 | 11.828 | 1515 | 1520 | 1526 | rBV3 | 10995   | 17639   | 0.54%  | 0.055% |
| 38 | 12.410 | 1614 | 1619 | 1622 | rBV6 | 5294    | 7197    | 0.22%  | 0.023% |
| 39 | 12.463 | 1622 | 1628 | 1629 | rVV5 | 4544    | 7424    | 0.23%  | 0.023% |
| 40 | 12.492 | 1629 | 1633 | 1638 | rVB  | 14588   | 22417   | 0.69%  | 0.070% |
| 41 | 12.722 | 1667 | 1672 | 1678 | rBV3 | 8710    | 11205   | 0.34%  | 0.035% |
| 42 | 12.963 | 1708 | 1713 | 1716 | rBV3 | 5616    | 8800    | 0.27%  | 0.028% |
| 43 | 13.033 | 1719 | 1725 | 1734 | rBV3 | 87528   | 175578  | 5.37%  | 0.552% |
| 44 | 13.410 | 1787 | 1789 | 1793 | rBV5 | 3157    | 4137    | 0.13%  | 0.013% |
| 45 | 13.533 | 1804 | 1810 | 1815 | rBV  | 1263797 | 1684519 | 51.49% | 5.296% |
| 46 | 13.580 | 1815 | 1818 | 1829 | rVB  | 171375  | 235455  | 7.20%  | 0.740% |
| 47 | 13.722 | 1838 | 1842 | 1848 | rBV7 | 4076    | 7052    | 0.22%  | 0.022% |
| 48 | 13.798 | 1848 | 1855 | 1868 | rBV  | 1386187 | 1976689 | 60.43% | 6.215% |
| 49 | 13.922 | 1875 | 1876 | 1881 | rVB5 | 3249    | 3413    | 0.10%  | 0.011% |
| 50 | 14.045 | 1894 | 1897 | 1900 | rVB4 | 4510    | 5513    | 0.17%  | 0.017% |
| 51 | 14.110 | 1901 | 1908 | 1921 | rVV  | 884861  | 1337137 | 40.88% | 4.204% |
| 52 | 14.210 | 1921 | 1925 | 1929 | rVB2 | 13904   | 17424   | 0.53%  | 0.055% |
| 53 | 14.351 | 1943 | 1949 | 1964 | rBV2 | 72230   | 175273  | 5.36%  | 0.551% |
| 54 | 14.557 | 1980 | 1984 | 1986 | rBV5 | 2936    | 4454    | 0.14%  | 0.014% |
| 55 | 14.733 | 2012 | 2014 | 2021 | rBV6 | 2359    | 3798    | 0.12%  | 0.012% |
| 56 | 14.810 | 2021 | 2027 | 2032 | rBV  | 11421   | 18471   | 0.56%  | 0.058% |
| 57 | 14.945 | 2046 | 2050 | 2057 | rBV3 | 8037    | 15568   | 0.48%  | 0.049% |
| 58 | 15.004 | 2057 | 2060 | 2065 | rVB3 | 3734    | 4949    | 0.15%  | 0.016% |
| 59 | 15.110 | 2072 | 2078 | 2091 | rBV  | 1783538 | 2511497 | 76.77% | 7.896% |
| 60 | 15.245 | 2096 | 2101 | 2116 | rVV  | 603813  | 860664  | 26.31% | 2.706% |
| 61 | 15.351 | 2116 | 2119 | 2126 | rVV  | 25554   | 38535   | 1.18%  | 0.121% |
| 62 | 15.498 | 2138 | 2144 | 2150 | rVB4 | 12849   | 26430   | 0.81%  | 0.083% |
| 63 | 15.698 | 2172 | 2178 | 2180 | rBV6 | 3503    | 6675    | 0.20%  | 0.021% |
| 64 | 15.898 | 2204 | 2212 | 2218 | rBV9 | 9167    | 17038   | 0.52%  | 0.054% |
| 65 | 16.033 | 2233 | 2235 | 2241 | rVB4 | 4129    | 6227    | 0.19%  | 0.020% |
| 66 | 16.151 | 2252 | 2255 | 2261 | rVB8 | 2502    | 5255    | 0.16%  | 0.017% |
| 67 | 16.210 | 2261 | 2265 | 2268 | rBV5 | 2054    | 3394    | 0.10%  | 0.011% |
| 68 | 16.480 | 2303 | 2311 | 2315 | rBV7 | 4249    | 9412    | 0.29%  | 0.030% |
| 69 | 16.616 | 2330 | 2334 | 2337 | rBV6 | 1842    | 3446    | 0.11%  | 0.011% |
| 70 | 16.651 | 2337 | 2340 | 2347 | rVB6 | 6255    | 9761    | 0.30%  | 0.031% |
| 71 | 16.863 | 2369 | 2376 | 2385 | rBV  | 1047464 | 1443972 | 44.14% | 4.540% |

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|----|--------|------|------|------|------|---------|---------|---------|---------|
| 72 | 16.957 | 2386 | 2392 | 2408 | rVV  | 1958850 | 2823099 | 86.30%  | 8.876%  |
| 73 | 17.174 | 2426 | 2429 | 2433 | rVB5 | 5095    | 5120    | 0.16%   | 0.016%  |
| 74 | 17.257 | 2437 | 2443 | 2446 | rBV5 | 5842    | 11319   | 0.35%   | 0.036%  |
| 75 | 17.398 | 2462 | 2467 | 2472 | rBV9 | 3920    | 7389    | 0.23%   | 0.023%  |
| 76 | 17.551 | 2488 | 2493 | 2506 | rBV  | 234127  | 304873  | 9.32%   | 0.959%  |
| 77 | 17.792 | 2530 | 2534 | 2536 | rBV4 | 5769    | 8469    | 0.26%   | 0.027%  |
| 78 | 17.868 | 2542 | 2547 | 2554 | rVB3 | 21344   | 34344   | 1.05%   | 0.108%  |
| 79 | 18.027 | 2571 | 2574 | 2577 | rBV3 | 6104    | 7147    | 0.22%   | 0.022%  |
| 80 | 18.357 | 2626 | 2630 | 2635 | rVB2 | 19435   | 23832   | 0.73%   | 0.075%  |
| 81 | 18.733 | 2690 | 2694 | 2698 | rBV5 | 12145   | 17963   | 0.55%   | 0.056%  |
| 82 | 18.898 | 2718 | 2722 | 2727 | rVB  | 22432   | 29633   | 0.91%   | 0.093%  |
| 83 | 19.151 | 2761 | 2765 | 2771 | rVB  | 17793   | 26396   | 0.81%   | 0.083%  |
| 84 | 19.262 | 2778 | 2784 | 2791 | rBV  | 2530712 | 3271262 | 100.00% | 10.285% |
| 85 | 19.315 | 2791 | 2793 | 2797 | rVB4 | 12186   | 15366   | 0.47%   | 0.048%  |
| 86 | 20.809 | 3044 | 3047 | 3053 | rBV  | 136326  | 178696  | 5.46%   | 0.562%  |
| 87 | 21.062 | 3085 | 3090 | 3098 | rBV  | 1378094 | 1724040 | 52.70%  | 5.421%  |
| 88 | 23.044 | 3421 | 3427 | 3434 | rBV  | 1719739 | 2926254 | 89.45%  | 9.201%  |
| 89 | 23.174 | 3444 | 3449 | 3457 | rVB  | 951002  | 1678928 | 51.32%  | 5.279%  |

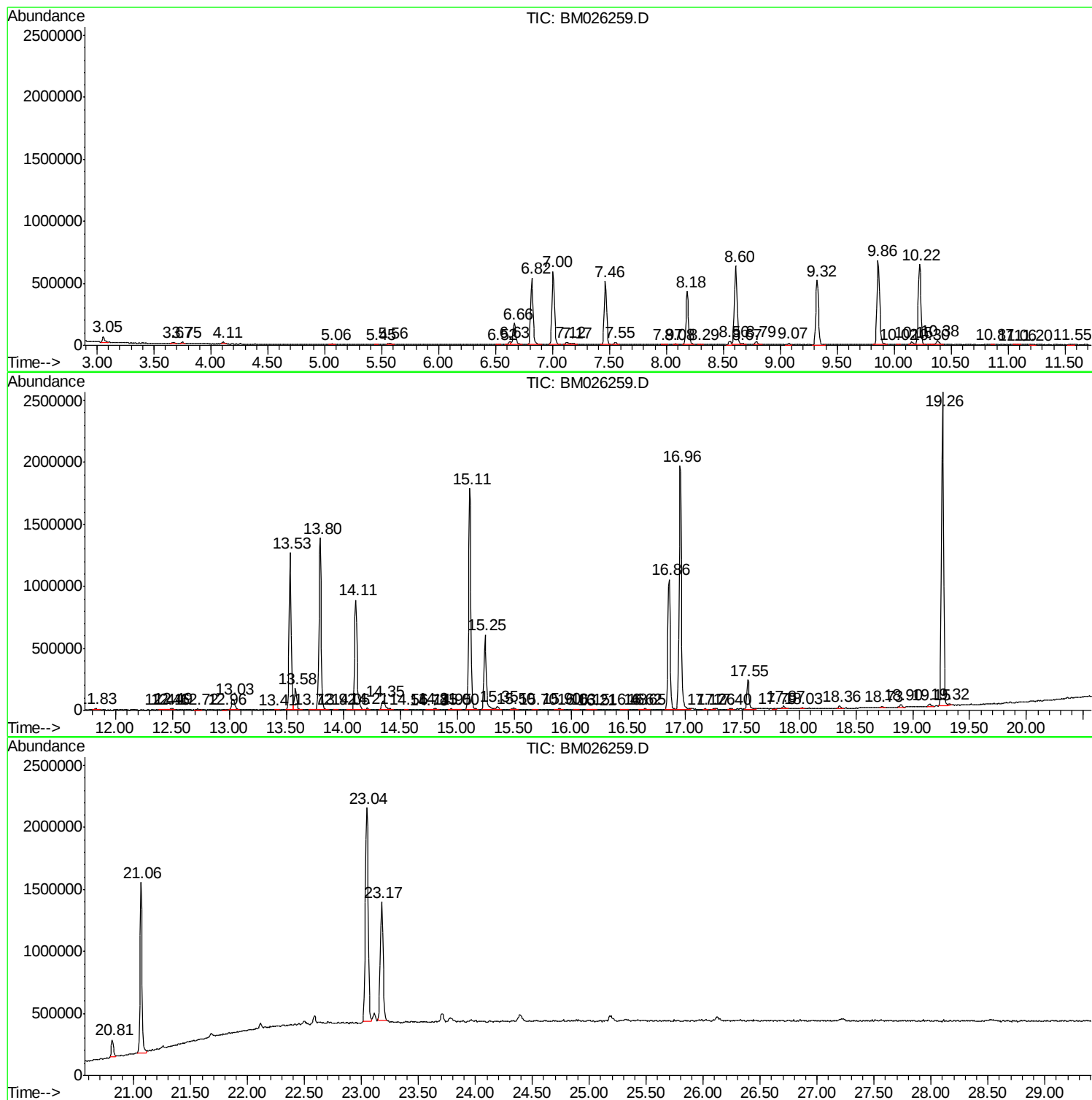
Sum of corrected areas: 31805223

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051320MA.M  
Quant Title : SVOA CALIBRATION

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



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051320MA.M  
Quant Title : SVOA CALIBRATION

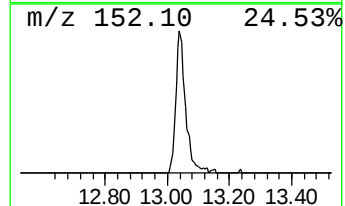
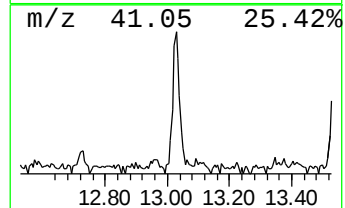
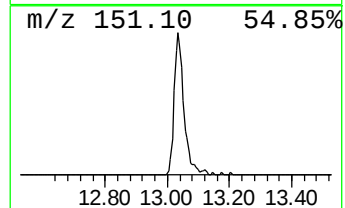
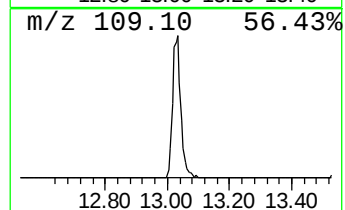
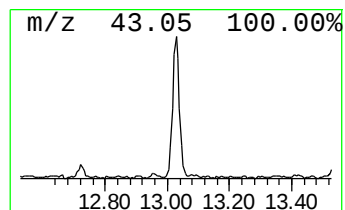
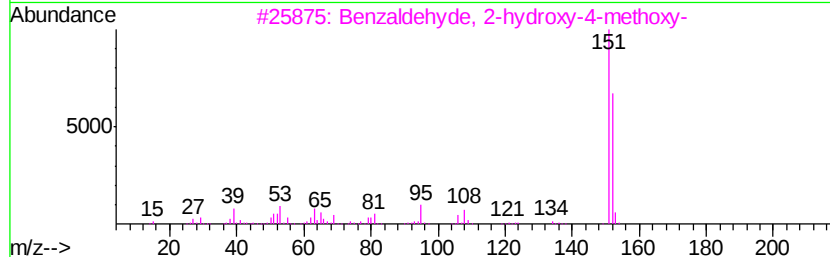
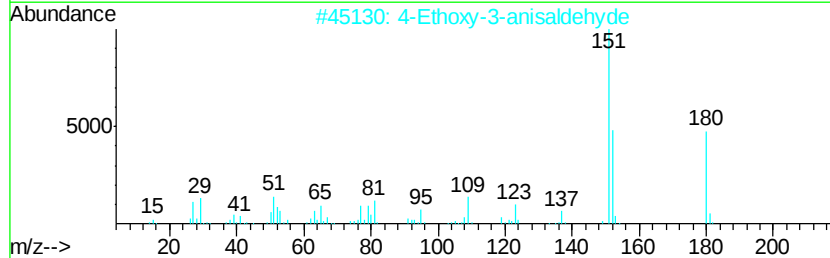
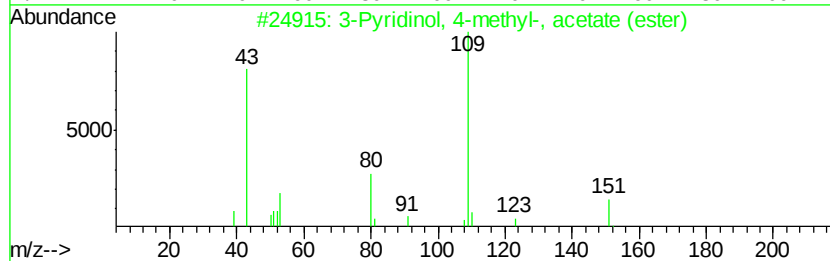
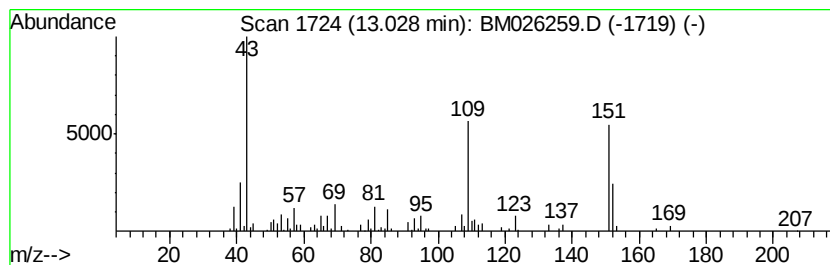
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 3-Pyridinol, 4-methyl-, ace... Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 13.03 | 2.63 ng/ul | 175578 | Acenaphthene-d10 | 14.11 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 3-Pyridinol, 4-methyl-, acetate ... | 151 | C8H9NO2  | 001006-96-8 | 64   |
| 2    |    | 4-Ethoxy-3-anisaldehyde             | 180 | C10H12O3 | 000120-25-2 | 58   |
| 3    |    | Benzaldehyde, 2-hydroxy-4-methoxy-  | 152 | C8H8O3   | 000673-22-3 | 53   |
| 4    |    | Benzaldehyde, 3-hydroxy-4-methoxy-  | 152 | C8H8O3   | 000621-59-0 | 52   |
| 5    |    | Benzaldehyde, 3-hydroxy-4-methoxy-  | 152 | C8H8O3   | 000621-59-0 | 50   |



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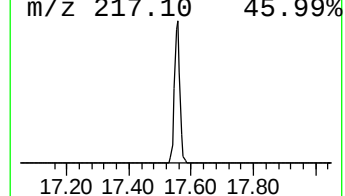
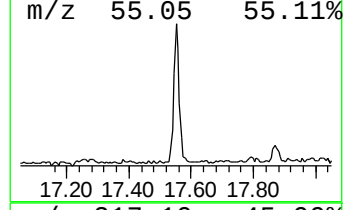
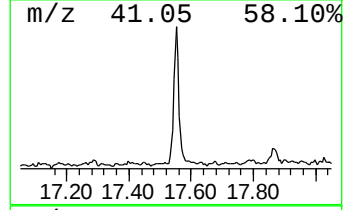
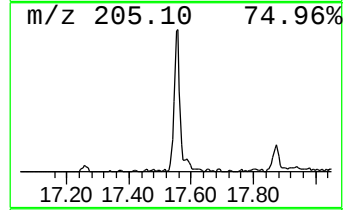
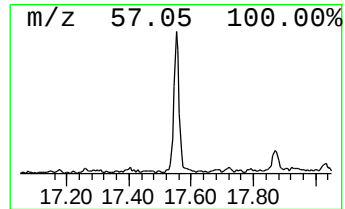
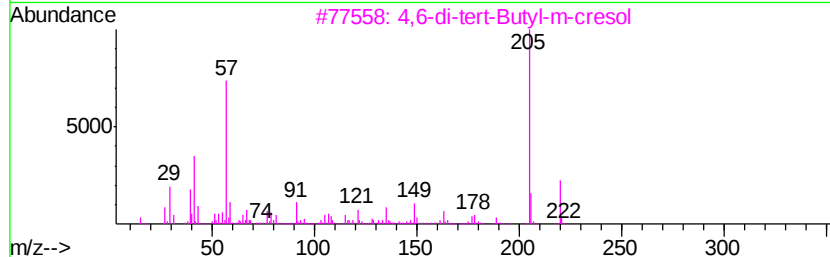
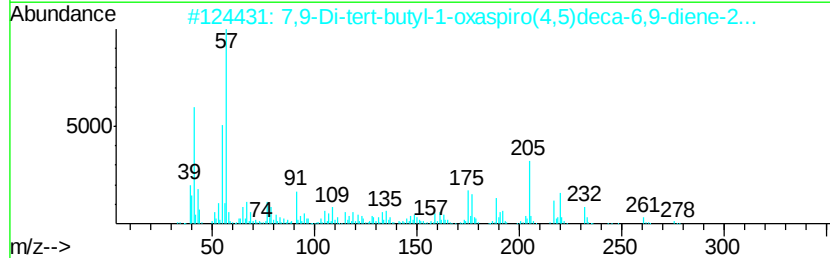
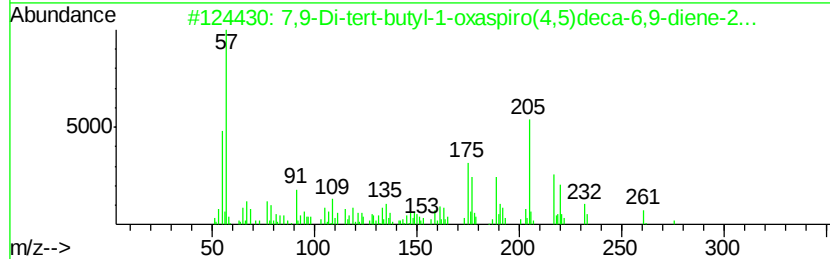
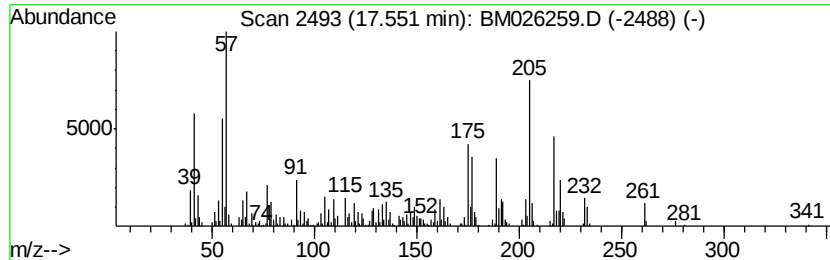
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 7,9-Di-tert-butyl-1-oxaspiro... Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 17.55 | 4.22 ng/ul | 304873 | Phenanthrene-d10 | 16.86 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 7,9-Di-tert-butyl-1-oxaspiro(4,5... | 276 | C17H24O3 | 082304-66-3 | 99   |
| 2    |    |   | 7,9-Di-tert-butyl-1-oxaspiro(4,5... | 276 | C17H24O3 | 082304-66-3 | 96   |
| 3    |    |   | 4,6-di-tert-Butyl-m-cresol          | 220 | C15H24O  | 000497-39-2 | 46   |
| 4    |    |   | Ethanone, 1-(5,6,7,8-tetrahydro-... | 220 | C14H20O2 | 071596-88-8 | 42   |
| 5    |    |   | Butylated Hydroxytoluene            | 220 | C15H24O  | 000128-37-0 | 38   |



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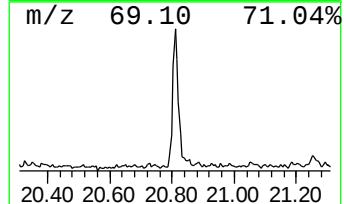
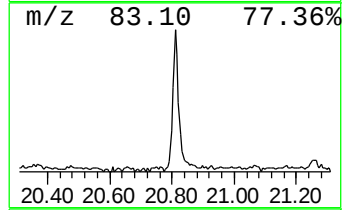
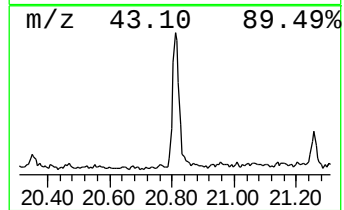
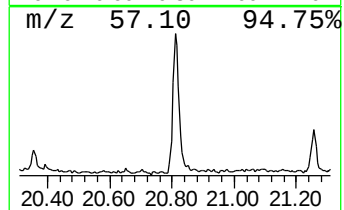
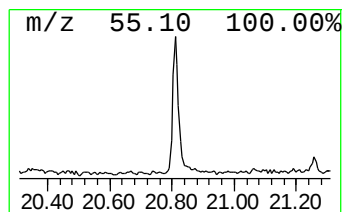
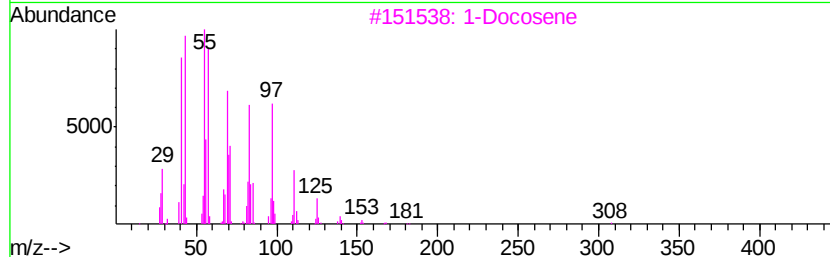
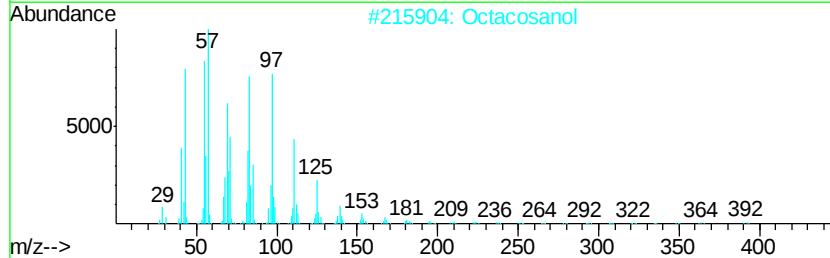
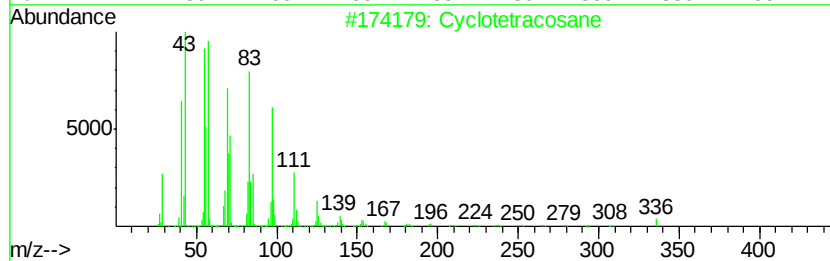
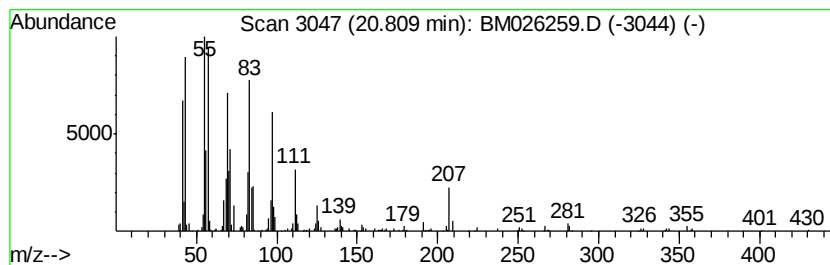
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 (DEL) Alkane: Cyclic20.81 Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 20.81 | 2.07 ng/ul | 178696 | Chrysene-d12     | 21.06 |

| Hit# | of | Tentative ID     | MW  | MolForm | CAS#        | Qual |
|------|----|------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclotetracosane | 336 | C24H48  | 000297-03-0 | 93   |
| 2    |    | Octacosanol      | 410 | C28H58O | 000557-61-9 | 93   |
| 3    |    | 1-Docosene       | 308 | C22H44  | 001599-67-3 | 93   |
| 4    |    | n-Tetracosanol-1 | 354 | C24H50O | 000506-51-4 | 90   |
| 5    |    | Behenic alcohol  | 326 | C22H46O | 000661-19-8 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM060420\  
Data File : BM026259.D  
Acq On : 04 Jun 2020 16:07  
Operator : JU/CG  
Sample : L2844-04  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0AF0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051320MA.M  
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 |
| 3-Pyridinol, 4-me... | 13.03 | 2.6     | ng/ul | 175578   | 3                     | 14.11 | 1337140 | 20.0 |
| 7,9-Di-tert-butyl... | 17.55 | 4.2     | ng/ul | 304873   | 4                     | 16.86 | 1443970 | 20.0 |
| (DEL) Alkane: Cyc... | 20.81 | 2.1     | ng/ul | 178696   | 5                     | 21.06 | 1724040 | 20.0 |