

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101519\  
 Data File : BP000726.D  
 Acq On : 14 Oct 2019 22:07  
 Operator : JU  
 Sample : K5097-16  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 JLMF4

## 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\_P\METHODS\SOM-EPA-BP100919MA.M  
 Title : SVOA CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|--------|----------|------------|----------|-----------|-------|-------------|------------|--------------|------------|
| 1      | 2.358    | 43         | 46       | 62        | rVB   | 60331       | 87837      | 2.08%        | 0.168%     |
| 2      | 3.723    | 274        | 278      | 280       | rBV2  | 3487        | 4687       | 0.11%        | 0.009%     |
| 3      | 3.752    | 280        | 283      | 290       | rVB   | 9763        | 14682      | 0.35%        | 0.028%     |
| 4      | 5.334    | 548        | 552      | 560       | rVB5  | 2600        | 4768       | 0.11%        | 0.009%     |
| 5      | 5.705    | 611        | 615      | 619       | rBV   | 8161        | 8821       | 0.21%        | 0.017%     |
| 6      | 5.822    | 631        | 635      | 643       | rVB2  | 4441        | 5563       | 0.13%        | 0.011%     |
| 7      | 6.058    | 672        | 675      | 684       | rBV   | 14534       | 14317      | 0.34%        | 0.027%     |
| 8      | 6.387    | 727        | 731      | 736       | rBV   | 1885630     | 1666349    | 39.45%       | 3.184%     |
| 9      | 6.434    | 736        | 739      | 750       | rVB   | 1414391     | 1243838    | 29.45%       | 2.377%     |
| 10     | 6.522    | 750        | 754      | 757       | rBV   | 1939380     | 1631221    | 38.62%       | 3.117%     |
| 11     | 6.746    | 789        | 792      | 796       | rBV   | 1407810     | 1286867    | 30.47%       | 2.459%     |
| 12     | 6.816    | 801        | 804      | 811       | rVB   | 18845       | 18152      | 0.43%        | 0.035%     |
| 13     | 7.064    | 844        | 846      | 850       | rBV2  | 3761        | 4391       | 0.10%        | 0.008%     |
| 14     | 7.134    | 854        | 858      | 873       | rBV   | 2498554     | 1934562    | 45.80%       | 3.697%     |
| 15     | 7.240    | 873        | 876      | 880       | rVB   | 5834        | 4914       | 0.12%        | 0.009%     |
| 16     | 7.305    | 884        | 887      | 891       | rBV   | 1536747     | 1399694    | 33.14%       | 2.675%     |
| 17     | 7.393    | 900        | 902      | 906       | rVB2  | 7176        | 6083       | 0.14%        | 0.012%     |
| 18     | 7.522    | 921        | 924      | 930       | rBV   | 24878       | 23410      | 0.55%        | 0.045%     |
| 19     | 7.634    | 939        | 943      | 955       | rBV   | 1455420     | 1159159    | 27.44%       | 2.215%     |
| 20     | 7.781    | 965        | 968      | 973       | rBV5  | 6488        | 5630       | 0.13%        | 0.011%     |
| 21     | 7.881    | 982        | 985      | 993       | rBV   | 2329056     | 1911093    | 45.25%       | 3.652%     |
| 22     | 7.940    | 993        | 995      | 1007      | rVV9  | 13695       | 32682      | 0.77%        | 0.062%     |
| 23     | 8.034    | 1007       | 1011     | 1014      | rVV   | 2153065     | 1703744    | 40.34%       | 3.256%     |
| 24     | 8.093    | 1018       | 1021     | 1044      | rVB   | 2347686     | 1889666    | 44.74%       | 3.611%     |
| 25     | 8.428    | 1075       | 1078     | 1081      | rBV   | 6485        | 6132       | 0.15%        | 0.012%     |
| 26     | 8.640    | 1111       | 1114     | 1116      | rBV3  | 7007        | 6358       | 0.15%        | 0.012%     |
| 27     | 8.716    | 1124       | 1127     | 1131      | rBV   | 38419       | 32201      | 0.76%        | 0.062%     |
| 28     | 8.752    | 1131       | 1133     | 1136      | rVV   | 7188        | 6258       | 0.15%        | 0.012%     |
| 29     | 8.816    | 1140       | 1144     | 1147      | rBV2  | 4477        | 4561       | 0.11%        | 0.009%     |
| 30     | 9.034    | 1177       | 1181     | 1186      | rBV6  | 3263        | 5148       | 0.12%        | 0.010%     |
| 31     | 9.205    | 1206       | 1210     | 1211      | rBV2  | 8121        | 8160       | 0.19%        | 0.016%     |
| 32     | 9.387    | 1237       | 1241     | 1245      | rBV6  | 3130        | 4582       | 0.11%        | 0.009%     |
| 33     | 9.452    | 1250       | 1252     | 1255      | rBV2  | 4217        | 4891       | 0.12%        | 0.009%     |
| 34     | 9.493    | 1255       | 1259     | 1261      | rBV   | 2903334     | 2512132    | 59.48%       | 4.800%     |

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|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 35 | 9.510  | 1261 | 1262 | 1266 | rVB  | 979864  | 613933  | 14.54%  | 1.173% |
| 36 | 9.646  | 1281 | 1285 | 1288 | rBV  | 3562265 | 3213632 | 76.08%  | 6.141% |
| 37 | 9.734  | 1298 | 1300 | 1303 | rVB  | 10494   | 9283    | 0.22%   | 0.018% |
| 38 | 9.799  | 1307 | 1311 | 1314 | rBV  | 2549095 | 2042336 | 48.35%  | 3.903% |
| 39 | 9.910  | 1327 | 1330 | 1344 | rBV  | 744659  | 820786  | 19.43%  | 1.568% |
| 40 | 10.005 | 1344 | 1346 | 1354 | rVB6 | 16538   | 22304   | 0.53%   | 0.043% |
| 41 | 10.099 | 1359 | 1362 | 1364 | rBV2 | 4871    | 5044    | 0.12%   | 0.010% |
| 42 | 10.210 | 1378 | 1381 | 1384 | rBV2 | 7494    | 9341    | 0.22%   | 0.018% |
| 43 | 10.240 | 1384 | 1386 | 1389 | rVB  | 13849   | 10432   | 0.25%   | 0.020% |
| 44 | 10.322 | 1396 | 1400 | 1403 | rBV  | 4415397 | 3703525 | 87.68%  | 7.077% |
| 45 | 10.393 | 1409 | 1412 | 1419 | rBV  | 822570  | 668555  | 15.83%  | 1.278% |
| 46 | 10.446 | 1419 | 1421 | 1426 | rVV  | 66210   | 66489   | 1.57%   | 0.127% |
| 47 | 10.510 | 1430 | 1432 | 1435 | rVB4 | 6102    | 6395    | 0.15%   | 0.012% |
| 48 | 10.628 | 1450 | 1452 | 1457 | rBV3 | 4332    | 4718    | 0.11%   | 0.009% |
| 49 | 10.693 | 1460 | 1463 | 1465 | rBV2 | 6623    | 5543    | 0.13%   | 0.011% |
| 50 | 10.716 | 1465 | 1467 | 1469 | rVV  | 11740   | 10452   | 0.25%   | 0.020% |
| 51 | 10.746 | 1470 | 1472 | 1475 | rVB  | 20949   | 17920   | 0.42%   | 0.034% |
| 52 | 10.810 | 1481 | 1483 | 1486 | rVB3 | 4337    | 4523    | 0.11%   | 0.009% |
| 53 | 10.869 | 1490 | 1493 | 1495 | rBV  | 8478    | 6951    | 0.16%   | 0.013% |
| 54 | 10.952 | 1505 | 1507 | 1510 | rBV3 | 4781    | 4380    | 0.10%   | 0.008% |
| 55 | 11.110 | 1531 | 1534 | 1537 | rVB2 | 10975   | 9340    | 0.22%   | 0.018% |
| 56 | 11.175 | 1542 | 1545 | 1552 | rVV  | 15225   | 20184   | 0.48%   | 0.039% |
| 57 | 11.293 | 1562 | 1565 | 1569 | rBV  | 2358035 | 2193981 | 51.94%  | 4.192% |
| 58 | 11.352 | 1571 | 1575 | 1579 | rBV  | 4272130 | 3724645 | 88.18%  | 7.117% |
| 59 | 11.528 | 1603 | 1605 | 1608 | rVB2 | 9817    | 8293    | 0.20%   | 0.016% |
| 60 | 11.840 | 1655 | 1658 | 1661 | rBV  | 60787   | 63897   | 1.51%   | 0.122% |
| 61 | 12.410 | 1752 | 1755 | 1760 | rVB3 | 19698   | 21994   | 0.52%   | 0.042% |
| 62 | 12.504 | 1768 | 1771 | 1777 | rVB  | 57104   | 51019   | 1.21%   | 0.097% |
| 63 | 12.663 | 1795 | 1798 | 1802 | rVB  | 47376   | 43526   | 1.03%   | 0.083% |
| 64 | 12.740 | 1806 | 1811 | 1814 | rBV  | 4526514 | 4223823 | 100.00% | 8.071% |
| 65 | 12.781 | 1816 | 1818 | 1821 | rVB2 | 10606   | 8625    | 0.20%   | 0.016% |
| 66 | 13.122 | 1873 | 1876 | 1878 | rBV3 | 12376   | 13574   | 0.32%   | 0.026% |
| 67 | 13.146 | 1878 | 1880 | 1883 | rVB  | 32505   | 24818   | 0.59%   | 0.047% |
| 68 | 13.287 | 1902 | 1904 | 1910 | rVB4 | 5303    | 5675    | 0.13%   | 0.011% |
| 69 | 13.357 | 1914 | 1916 | 1919 | rBV4 | 4412    | 5801    | 0.14%   | 0.011% |
| 70 | 13.493 | 1936 | 1939 | 1942 | rVV  | 29733   | 22630   | 0.54%   | 0.043% |
| 71 | 13.563 | 1946 | 1951 | 1955 | rVB2 | 6751    | 10007   | 0.24%   | 0.019% |

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|----|--------|------|------|------|------|---------|---------|--------|--------|
| 72 | 13.822 | 1990 | 1995 | 2012 | rBV2 | 689371  | 1027973 | 24.34% | 1.964% |
| 73 | 13.969 | 2016 | 2020 | 2024 | rBV  | 2612367 | 2296949 | 54.38% | 4.389% |
| 74 | 14.146 | 2047 | 2050 | 2059 | rBV  | 56675   | 58213   | 1.38%  | 0.111% |
| 75 | 14.457 | 2099 | 2103 | 2110 | rBV  | 129954  | 141446  | 3.35%  | 0.270% |
| 76 | 14.740 | 2149 | 2151 | 2153 | rBV3 | 12020   | 13271   | 0.31%  | 0.025% |
| 77 | 14.763 | 2153 | 2155 | 2162 | rVV  | 64233   | 75900   | 1.80%  | 0.145% |
| 78 | 14.840 | 2165 | 2168 | 2172 | rVB  | 66008   | 66552   | 1.58%  | 0.127% |
| 79 | 14.969 | 2187 | 2190 | 2194 | rVB  | 53321   | 54467   | 1.29%  | 0.104% |
| 80 | 15.104 | 2210 | 2213 | 2225 | rBV3 | 73433   | 154962  | 3.67%  | 0.296% |
| 81 | 15.363 | 2250 | 2257 | 2266 | rBV  | 3324477 | 4202270 | 99.49% | 8.030% |
| 82 | 15.451 | 2266 | 2272 | 2276 | rVV  | 1914320 | 2403195 | 56.90% | 4.592% |
| 83 | 15.487 | 2276 | 2278 | 2295 | rVB  | 75520   | 108226  | 2.56%  | 0.207% |
| 84 | 15.928 | 2349 | 2353 | 2357 | rBV  | 59328   | 83049   | 1.97%  | 0.159% |
| 85 | 15.975 | 2358 | 2361 | 2364 | rBV  | 34224   | 54618   | 1.29%  | 0.104% |
| 86 | 16.439 | 2436 | 2440 | 2447 | rVB  | 40923   | 68018   | 1.61%  | 0.130% |
| 87 | 16.945 | 2520 | 2526 | 2536 | rBV3 | 117587  | 299514  | 7.09%  | 0.572% |
| 88 | 17.504 | 2614 | 2621 | 2635 | rBV2 | 318128  | 872677  | 20.66% | 1.668% |

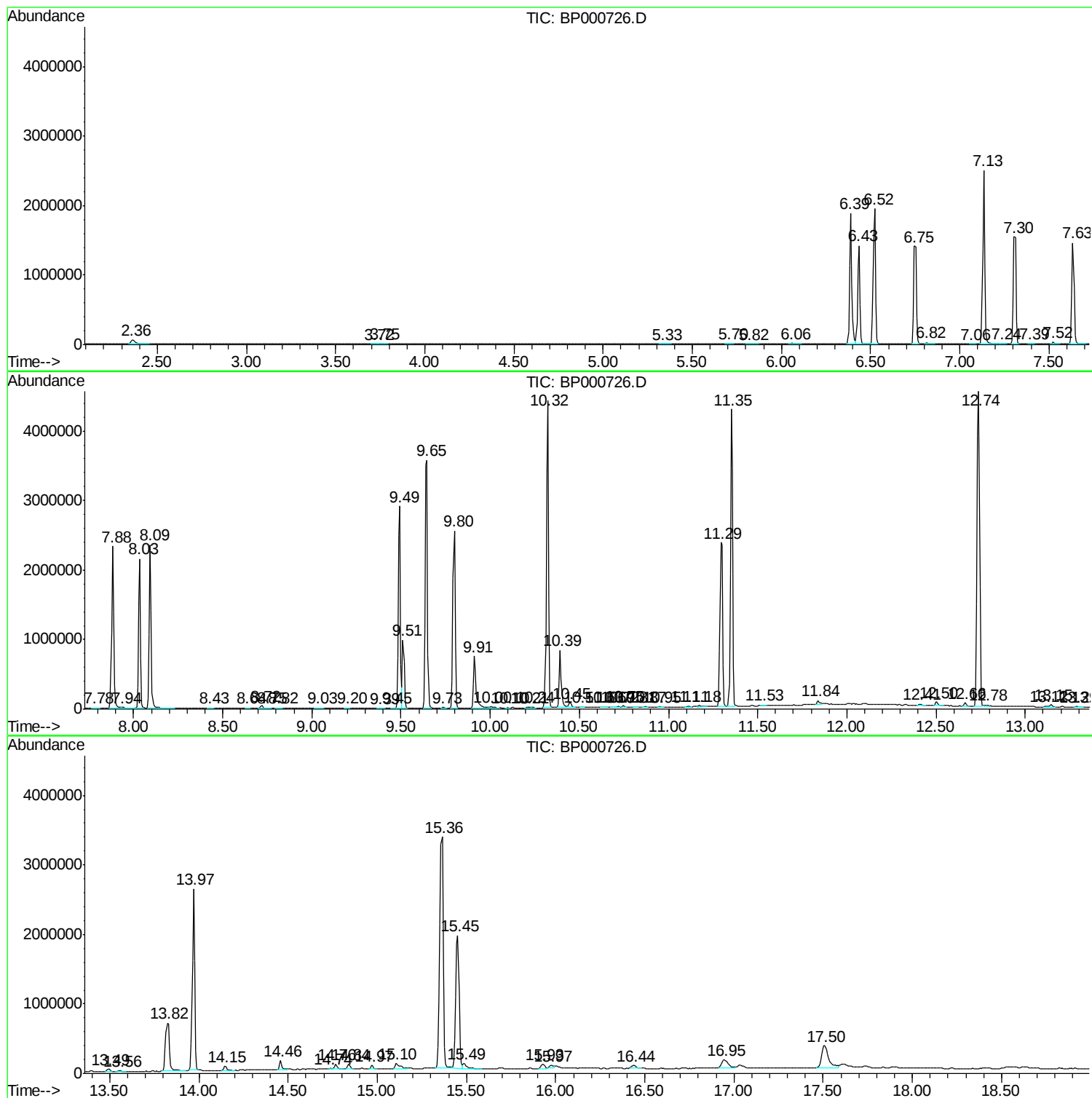
Sum of corrected areas: 52332227

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\SOM-EPA-BP100919MA.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\_P\METHODS\SOM-EPA-BP100919MA.M  
Quant Title : SVOA CALIBRATION

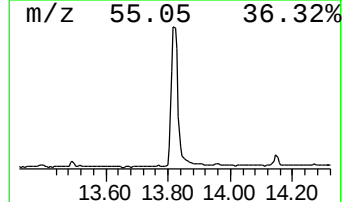
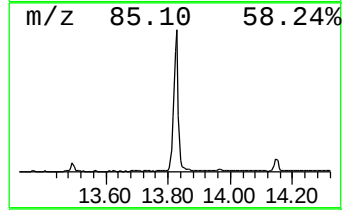
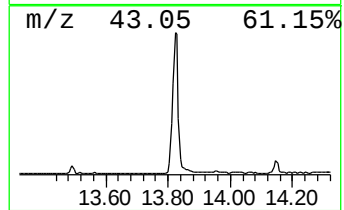
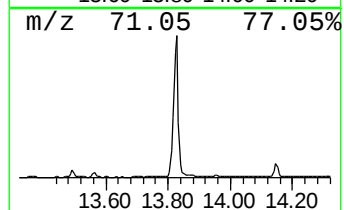
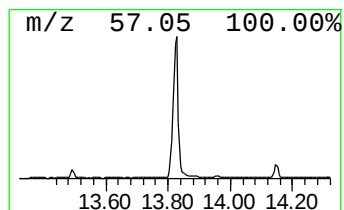
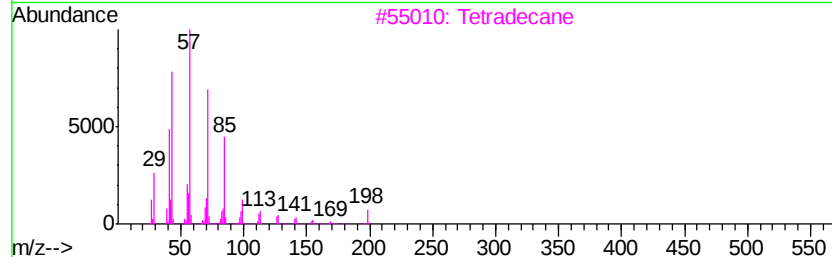
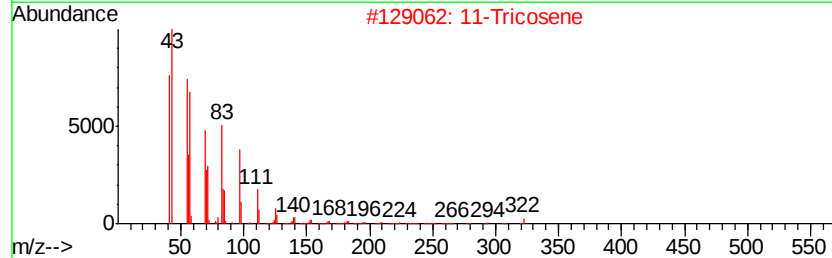
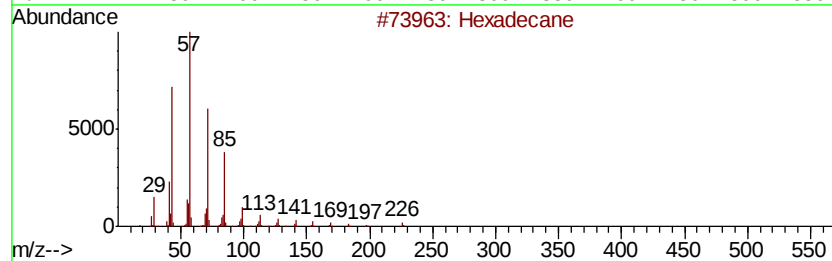
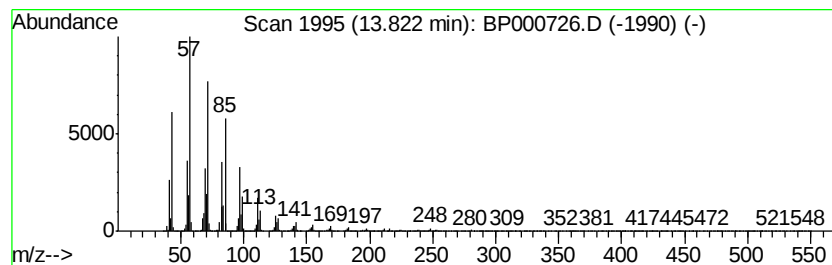
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 13.82 | 8.95 ng/ul | 1027970 | Chrysene-d12     | 13.97 |

| Hit# | of | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|--------------|-----|---------|-------------|------|
| 1    | 5  | Hexadecane   | 226 | C16H34  | 000544-76-3 | 93   |
| 2    |    | 11-Tricosene | 322 | C23H46  | 052078-56-5 | 86   |
| 3    |    | Tetradecane  | 198 | C14H30  | 000629-59-4 | 74   |
| 4    |    | Hexadecane   | 226 | C16H34  | 000544-76-3 | 74   |
| 5    |    | Octacosane   | 394 | C28H58  | 000630-02-4 | 74   |



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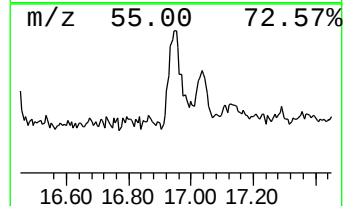
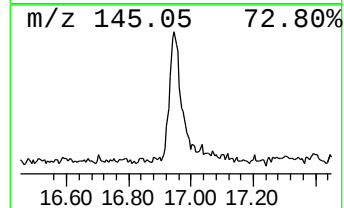
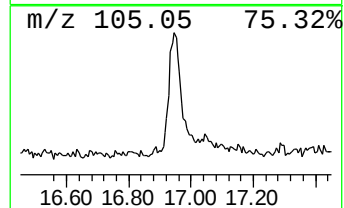
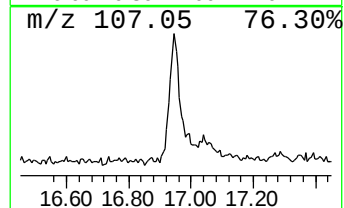
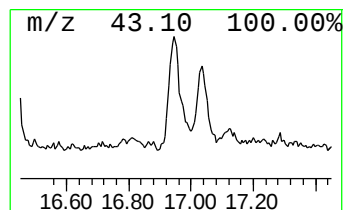
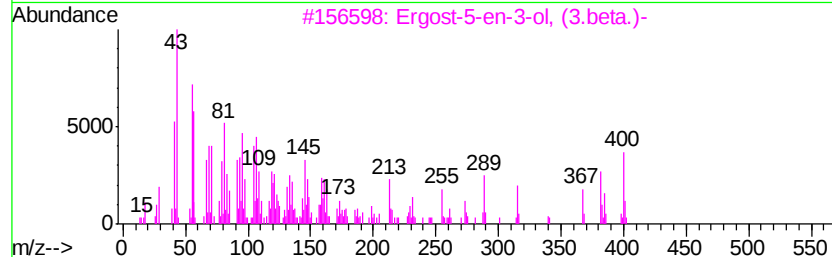
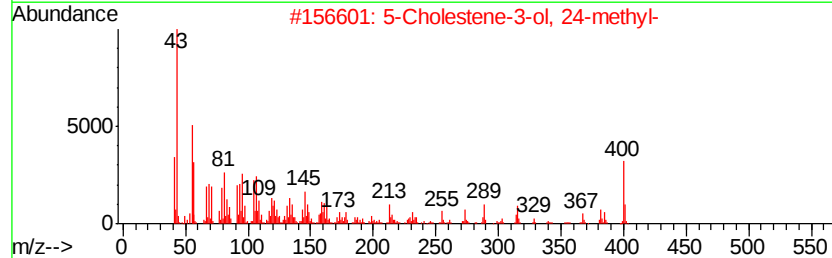
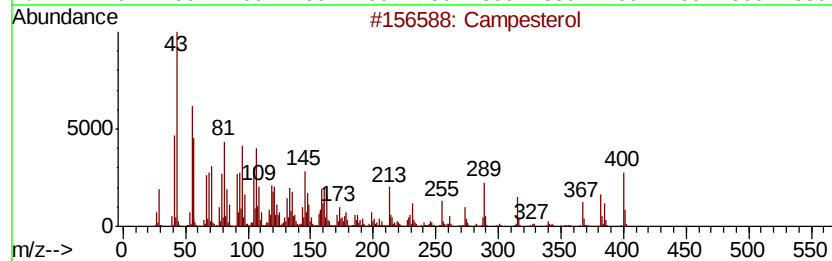
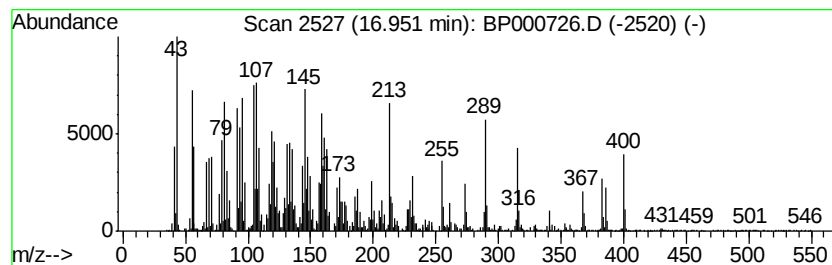
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TIC Library : C:\DATABASE\NIST02.L  
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\*\*\*\*\*  
Peak Number 2 Campesterol Concentration Rank 3

| R.T.    | EstConc                       | Area         | Relative to ISTD | R.T.            |
|---------|-------------------------------|--------------|------------------|-----------------|
| 16.95   | 2.49 ng/ul                    | 299514       | Perylene-d12     | 15.45           |
| Hit# of | 5                             | Tentative ID | MW MolForm       | CAS# Qual       |
| 1       | Campesterol                   |              | 400 C28H48O      | 000474-62-4 99  |
| 2       | 5-Cholestene-3-ol, 24-methyl- |              | 400 C28H48O      | 1000214-17-4 98 |
| 3       | Ergost-5-en-3-ol, (3.beta.)-  |              | 400 C28H48O      | 004651-51-8 96  |
| 4       | Campesterol                   |              | 400 C28H48O      | 000474-62-4 95  |
| 5       | Ergost-7-en-3-ol, (3.beta.)-  |              | 400 C28H48O      | 026047-31-4 91  |



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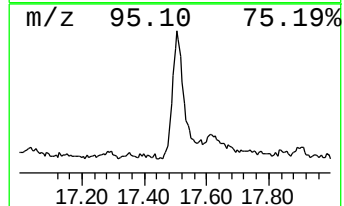
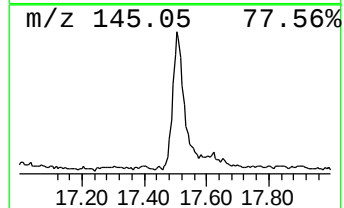
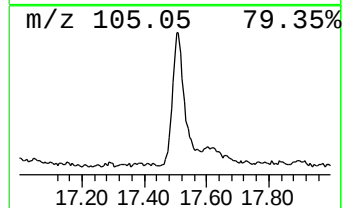
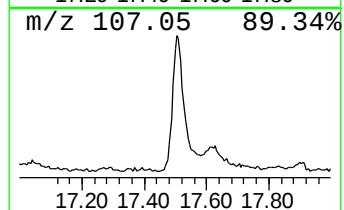
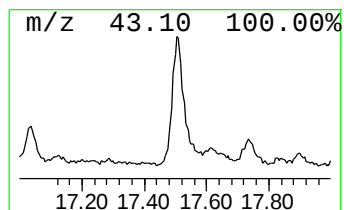
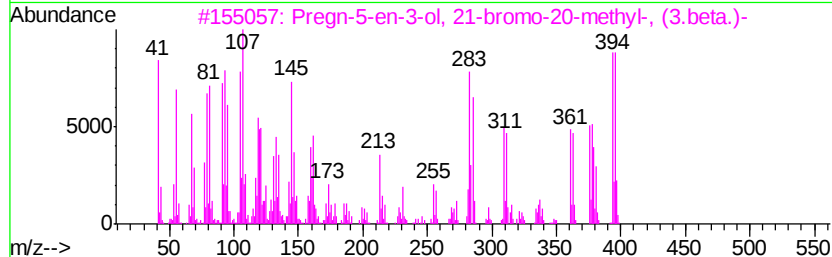
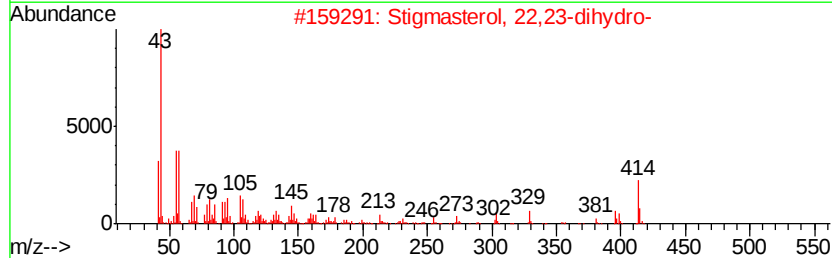
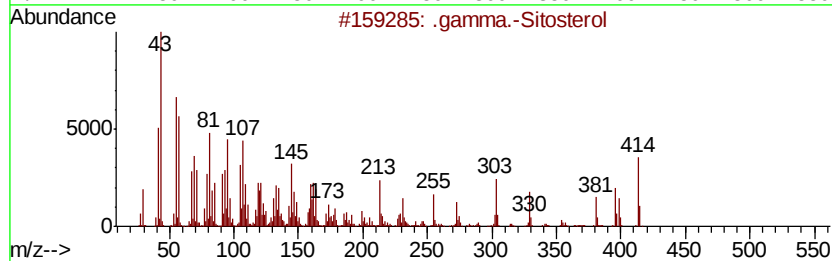
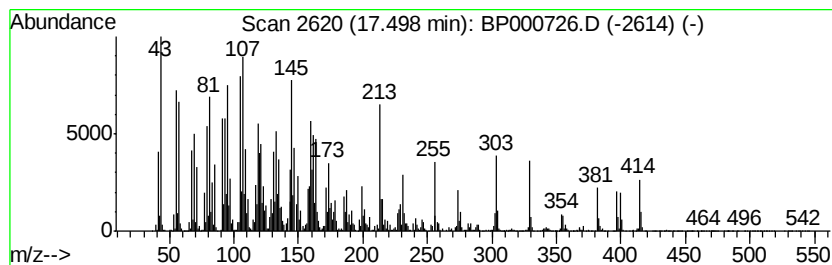
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 .gamma.-Sitosterol Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 17.50 | 7.26 ng/ul | 872677 | Perylene-d12     | 15.45 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|---------|---|-------------------------------------|-----|-----------|--------------|------|
| 1       |   | .gamma.-Sitosterol                  | 414 | C29H50O   | 000083-47-6  | 99   |
| 2       |   | Stigmasterol, 22,23-dihydro-        | 414 | C29H50O   | 1000214-20-7 | 97   |
| 3       |   | Pregn-5-en-3-ol, 21-bromo-20-met... | 394 | C22H35BrO | 055103-80-5  | 95   |
| 4       |   | .beta.-Sitosterol                   | 414 | C29H50O   | 000083-46-5  | 91   |
| 5       |   | .beta.-Sitosterol                   | 414 | C29H50O   | 000083-46-5  | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_P\DATA\BP101519\  
Data File : BP000726.D  
Acq On : 14 Oct 2019 22:07  
Operator : JU  
Sample : K5097-16  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
JLMF4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\SOM-EPA-BP100919MA.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: Str... | 13.82 | 8.9     | ng/ul | 1027970  | 5                     | 13.97 | 2296950 | 20.0 |
| Campesterol          | 16.95 | 2.5     | ng/ul | 299514   | 6                     | 15.45 | 2403200 | 20.0 |
| .gamma.-Sitosterol   | 17.50 | 7.3     | ng/ul | 872677   | 6                     | 15.45 | 2403200 | 20.0 |