

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP100919\  
 Data File : BP000589.D  
 Acq On : 09 Oct 2019 23:30  
 Operator : JU  
 Sample : K5100-05  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 ETJY5

## 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      | 2.364    | 44         | 47       | 61        | rVB   | 49368       | 71529      | 1.65%        | 0.163%     |
| 2      | 3.763    | 281        | 285      | 291       | rVB   | 7757        | 11980      | 0.28%        | 0.027%     |
| 3      | 6.387    | 728        | 731      | 736       | rBV2  | 398422      | 397184     | 9.17%        | 0.903%     |
| 4      | 6.434    | 736        | 739      | 747       | rVB   | 1288203     | 1048721    | 24.21%       | 2.385%     |
| 5      | 6.522    | 751        | 754      | 758       | rBV   | 1546871     | 1167776    | 26.96%       | 2.656%     |
| 6      | 6.599    | 765        | 767      | 778       | rVB9  | 3050        | 5274       | 0.12%        | 0.012%     |
| 7      | 6.752    | 790        | 793      | 803       | rBV   | 1439630     | 1134226    | 26.18%       | 2.580%     |
| 8      | 6.822    | 803        | 805      | 812       | rVB   | 5288        | 5142       | 0.12%        | 0.012%     |
| 9      | 7.134    | 855        | 858      | 871       | rBV   | 1181624     | 931746     | 21.51%       | 2.119%     |
| 10     | 7.310    | 884        | 888      | 891       | rBV   | 1649453     | 1213471    | 28.01%       | 2.760%     |
| 11     | 7.528    | 922        | 925      | 929       | rBV   | 56871       | 46555      | 1.07%        | 0.106%     |
| 12     | 7.634    | 940        | 943      | 947       | rBV   | 1163199     | 988711     | 22.82%       | 2.249%     |
| 13     | 7.881    | 982        | 985      | 1006      | rBV   | 1744002     | 1623894    | 37.49%       | 3.694%     |
| 14     | 8.034    | 1008       | 1011     | 1015      | rVV   | 1963900     | 1540777    | 35.57%       | 3.505%     |
| 15     | 8.099    | 1018       | 1022     | 1030      | rVB   | 153485      | 144545     | 3.34%        | 0.329%     |
| 16     | 8.581    | 1101       | 1104     | 1107      | rVB   | 28768       | 25169      | 0.58%        | 0.057%     |
| 17     | 8.722    | 1124       | 1128     | 1134      | rBV   | 28843       | 28176      | 0.65%        | 0.064%     |
| 18     | 9.269    | 1218       | 1221     | 1227      | rVB4  | 4985        | 7337       | 0.17%        | 0.017%     |
| 19     | 9.493    | 1255       | 1259     | 1261      | rBV   | 3005467     | 2315049    | 53.44%       | 5.266%     |
| 20     | 9.510    | 1261       | 1262     | 1267      | rVB   | 272754      | 173371     | 4.00%        | 0.394%     |
| 21     | 9.645    | 1281       | 1285     | 1288      | rBV   | 3433422     | 3021104    | 69.74%       | 6.872%     |
| 22     | 9.798    | 1307       | 1311     | 1314      | rBV   | 2575793     | 1973999    | 45.57%       | 4.490%     |
| 23     | 9.904    | 1326       | 1329     | 1338      | rBV   | 182080      | 207100     | 4.78%        | 0.471%     |
| 24     | 10.010   | 1344       | 1347     | 1352      | rVB6  | 9177        | 12057      | 0.28%        | 0.027%     |
| 25     | 10.181   | 1373       | 1376     | 1379      | rBV   | 23918       | 18331      | 0.42%        | 0.042%     |
| 26     | 10.216   | 1379       | 1382     | 1385      | rBV2  | 5527        | 5556       | 0.13%        | 0.013%     |
| 27     | 10.322   | 1396       | 1400     | 1403      | rBV   | 4155688     | 3592287    | 82.92%       | 8.171%     |
| 28     | 10.387   | 1408       | 1411     | 1419      | rVV   | 852511      | 750220     | 17.32%       | 1.706%     |
| 29     | 10.451   | 1419       | 1422     | 1431      | rVB   | 53757       | 58109      | 1.34%        | 0.132%     |
| 30     | 10.745   | 1470       | 1472     | 1476      | rVB   | 19364       | 17535      | 0.40%        | 0.040%     |
| 31     | 11.110   | 1531       | 1534     | 1538      | rVB2  | 8502        | 6919       | 0.16%        | 0.016%     |
| 32     | 11.169   | 1540       | 1544     | 1551      | rBV   | 10681       | 14729      | 0.34%        | 0.034%     |
| 33     | 11.292   | 1561       | 1565     | 1569      | rBV   | 2584022     | 2133078    | 49.24%       | 4.852%     |
| 34     | 11.351   | 1571       | 1575     | 1578      | rBV   | 4755117     | 3832246    | 88.46%       | 8.717%     |

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ALS Vial : 16 Sample Multiplier: 1

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

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 35 | 11.839 | 1654 | 1658 | 1661 | rBV  | 63446   | 69206   | 1.60%   | 0.157% |
| 36 | 12.110 | 1700 | 1704 | 1708 | rVB6 | 4029    | 5669    | 0.13%   | 0.013% |
| 37 | 12.498 | 1767 | 1770 | 1775 | rVB  | 48903   | 41063   | 0.95%   | 0.093% |
| 38 | 12.628 | 1789 | 1792 | 1794 | rBV3 | 16118   | 13837   | 0.32%   | 0.031% |
| 39 | 12.657 | 1794 | 1797 | 1802 | rVB  | 45458   | 38475   | 0.89%   | 0.088% |
| 40 | 12.734 | 1806 | 1810 | 1814 | rBV  | 4948798 | 4332041 | 100.00% | 9.853% |
| 41 | 13.145 | 1877 | 1880 | 1888 | rVB3 | 9507    | 13362   | 0.31%   | 0.030% |
| 42 | 13.392 | 1920 | 1922 | 1926 | rVB4 | 6407    | 6237    | 0.14%   | 0.014% |
| 43 | 13.492 | 1936 | 1939 | 1942 | rBV  | 13814   | 11085   | 0.26%   | 0.025% |
| 44 | 13.763 | 1982 | 1985 | 1988 | rBV  | 6253    | 8827    | 0.20%   | 0.020% |
| 45 | 13.828 | 1989 | 1996 | 2012 | rBV3 | 148908  | 329974  | 7.62%   | 0.751% |
| 46 | 13.963 | 2015 | 2019 | 2023 | rBV  | 2431998 | 2145600 | 49.53%  | 4.880% |
| 47 | 14.145 | 2047 | 2050 | 2059 | rBV  | 104487  | 90467   | 2.09%   | 0.206% |
| 48 | 14.457 | 2099 | 2103 | 2115 | rBV  | 188147  | 205320  | 4.74%   | 0.467% |
| 49 | 14.763 | 2151 | 2155 | 2163 | rBV  | 318912  | 306723  | 7.08%   | 0.698% |
| 50 | 14.963 | 2186 | 2189 | 2193 | rBV  | 46838   | 51482   | 1.19%   | 0.117% |
| 51 | 15.104 | 2209 | 2213 | 2223 | rBV  | 350491  | 393767  | 9.09%   | 0.896% |
| 52 | 15.351 | 2249 | 2255 | 2264 | rBV  | 3321878 | 4049017 | 93.47%  | 9.210% |
| 53 | 15.439 | 2265 | 2270 | 2274 | rVV  | 1859315 | 2152082 | 49.68%  | 4.895% |
| 54 | 15.486 | 2274 | 2278 | 2291 | rVB  | 326541  | 448594  | 10.36%  | 1.020% |
| 55 | 15.922 | 2347 | 2352 | 2361 | rBV  | 227079  | 361550  | 8.35%   | 0.822% |
| 56 | 15.998 | 2362 | 2365 | 2372 | rVB6 | 19824   | 33595   | 0.78%   | 0.076% |
| 57 | 16.433 | 2433 | 2439 | 2453 | rVB  | 123930  | 239109  | 5.52%   | 0.544% |
| 58 | 17.027 | 2535 | 2540 | 2551 | rVB2 | 44311   | 93876   | 2.17%   | 0.214% |

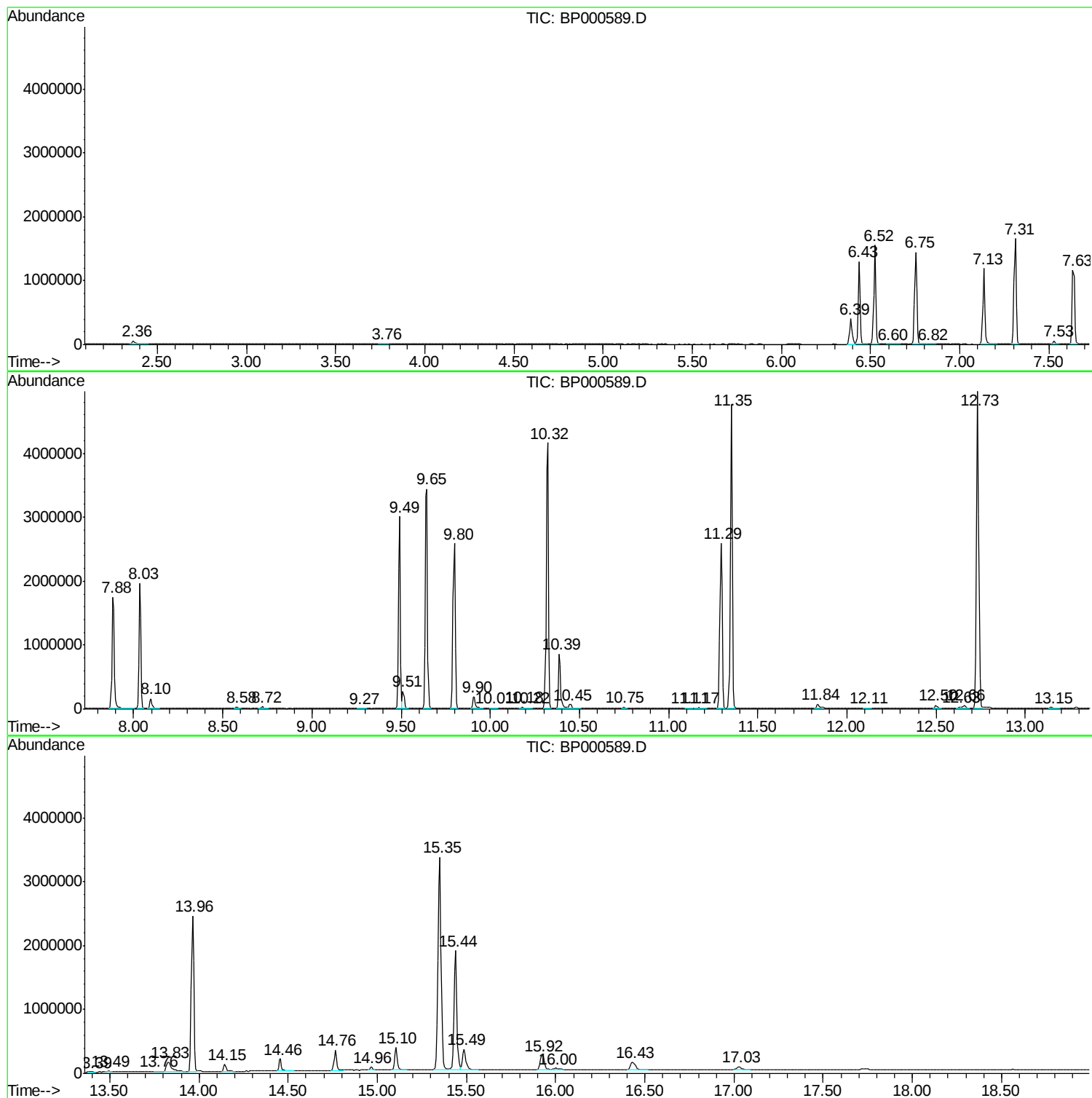
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\SOM-EPA-BP100919MA.M  
Quant Title : SVOA CALIBRATION

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



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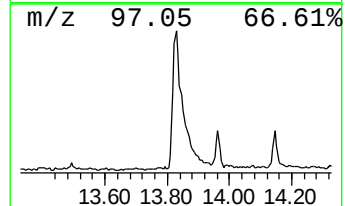
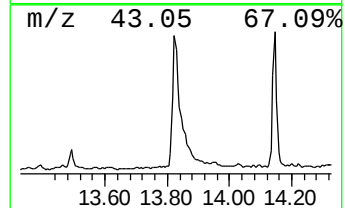
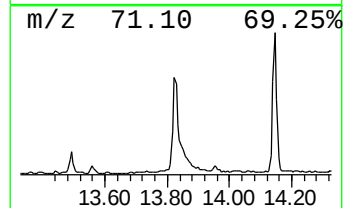
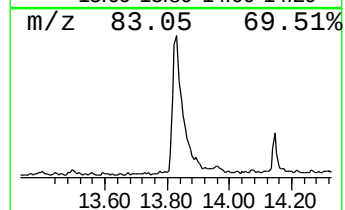
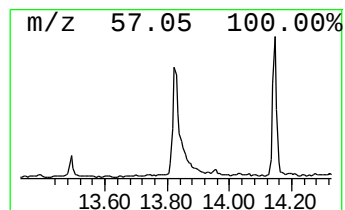
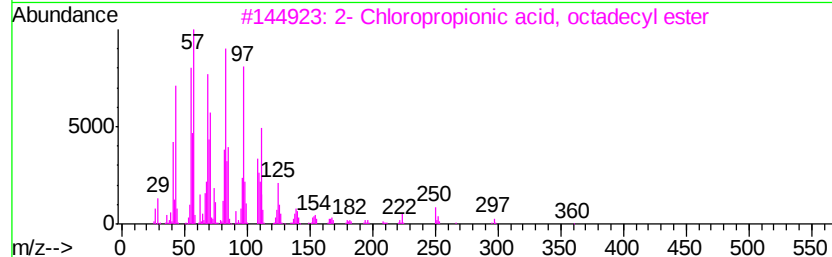
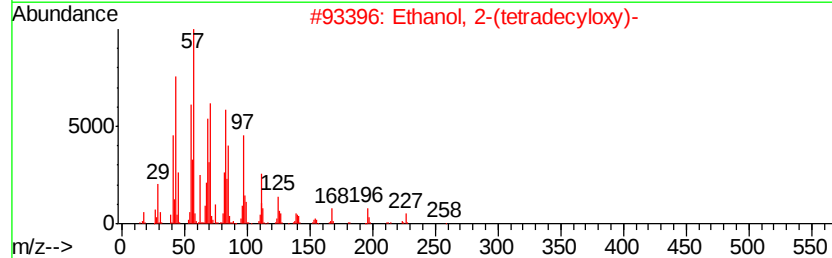
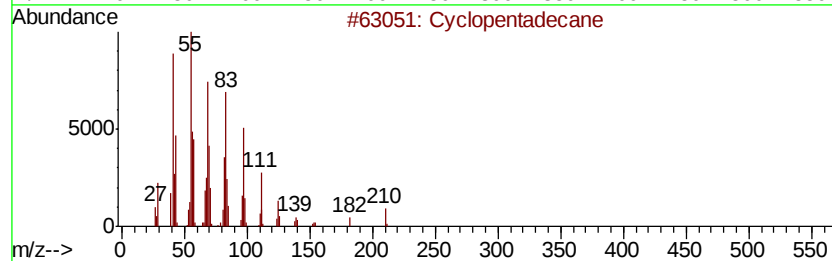
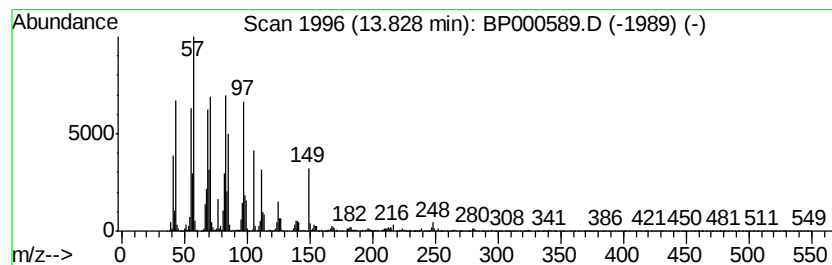
Instrument :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\SOM-EPA-BP100919MA.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 1 (DEL) Alkane: Cyclic13.83 Concentration Rank 3

| R.T.    | EstConc    | Area                                | Relative to ISTD | R.T.       |              |      |
|---------|------------|-------------------------------------|------------------|------------|--------------|------|
| 13.83   | 3.08 ng/ul | 329974                              | Chrysene-d12     | 13.96      |              |      |
| Hit# of | 5          | Tentative ID                        | MW               | MolForm    | CAS#         | Qual |
| 1       |            | Cvclopentadecane                    | 210              | C15H30     | 000295-48-7  | 95   |
| 2       |            | Ethanol, 2-(tetradecyloxy)-         | 258              | C16H34O2   | 002136-70-1  | 93   |
| 3       |            | 2- Chloropropionic acid, octadec... | 360              | C21H41ClO2 | 088104-31-8  | 86   |
| 4       |            | 9-Eicosene, (E)-                    | 280              | C20H40     | 074685-29-3  | 86   |
| 5       |            | Heptafluorobutanoic acid, heptad... | 452              | C21H35F7O2 | 1000282-97-3 | 81   |



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

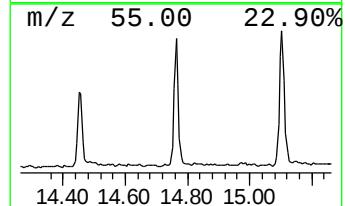
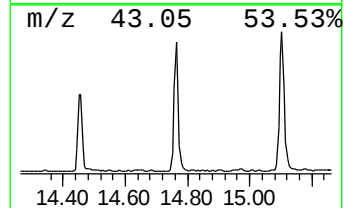
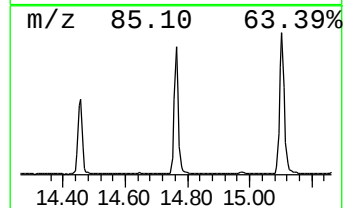
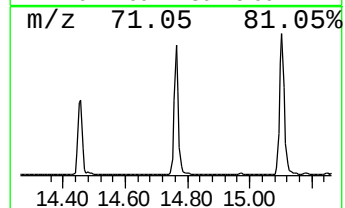
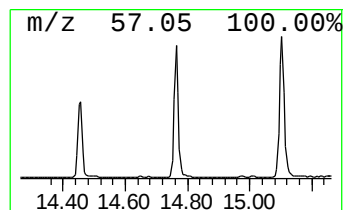
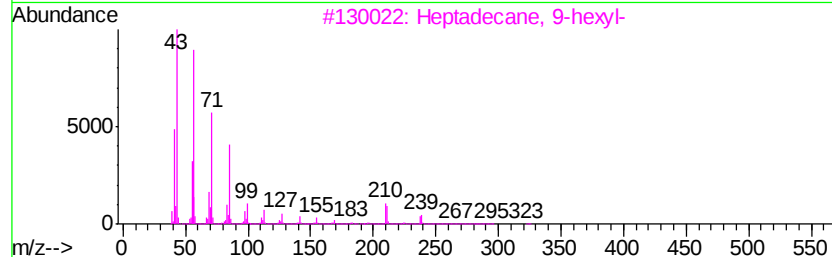
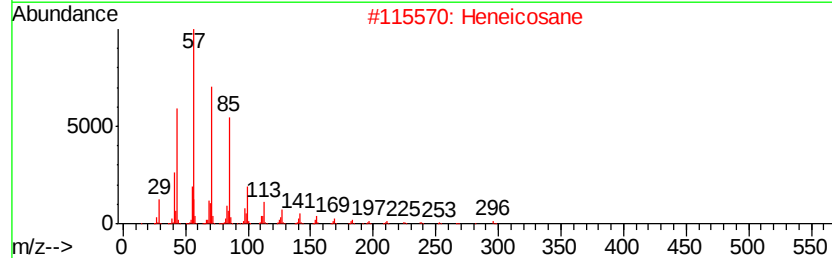
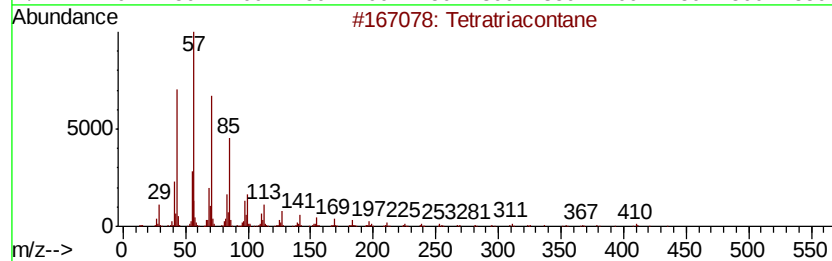
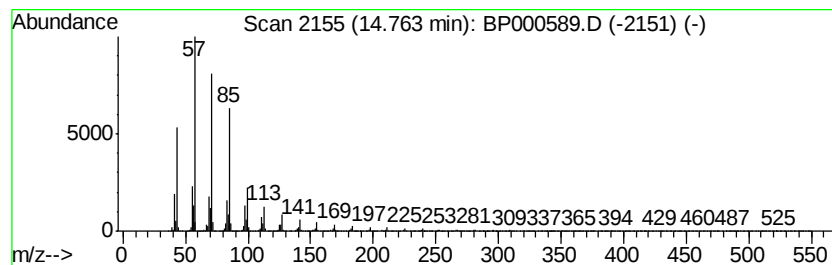
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 14.76 | 2.85 ng/ul | 306723 | Perylene-d12     | 15.44 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Tetratriacontane      | 479 | C34H70  | 014167-59-0 | 91   |
| 2    |    | Heneicosane           | 296 | C21H44  | 000629-94-7 | 91   |
| 3    |    | Heptadecane, 9-hexyl- | 324 | C23H48  | 055124-79-3 | 91   |
| 4    |    | Nonacosane            | 408 | C29H60  | 000630-03-5 | 91   |
| 5    |    | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1 | 91   |



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Quant Title : SVOA CALIBRATION

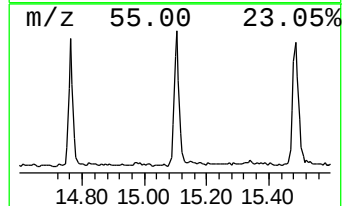
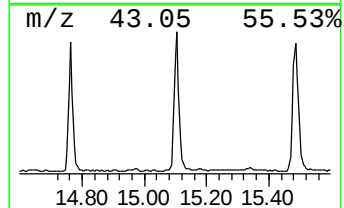
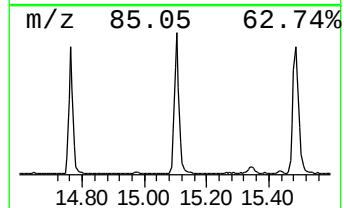
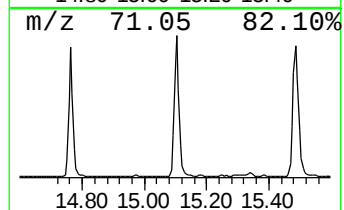
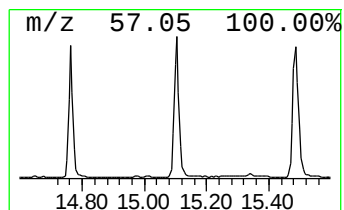
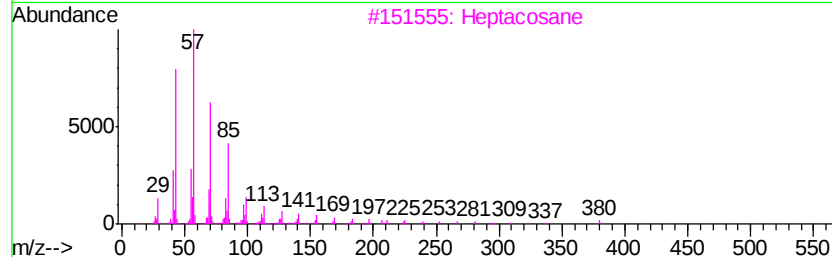
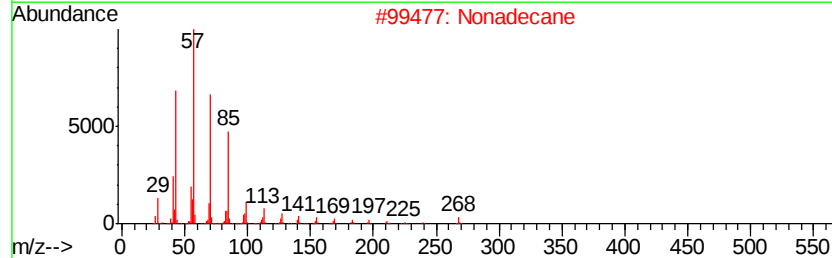
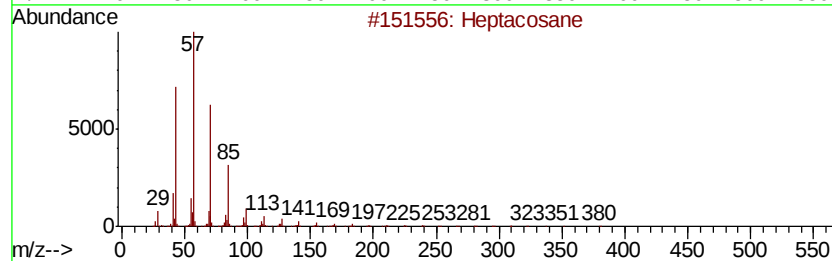
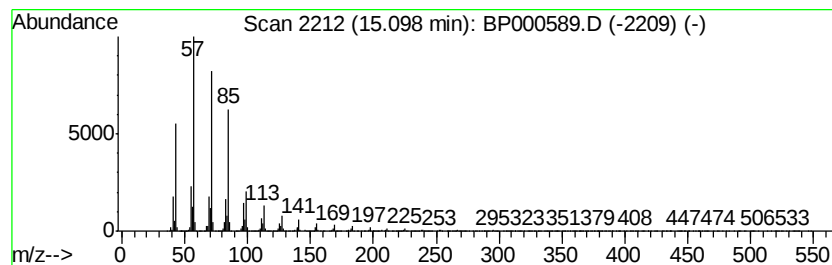
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 15.10 | 3.66 ng/ul | 393767 | Perylene-d12     | 15.44 |

| Hit# | of | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------|-----|---------|-------------|------|
| 1    | 5  | Heptacosane          | 380 | C27H56  | 000593-49-7 | 98   |
| 2    |    | Nonadecane           | 268 | C19H40  | 000629-92-5 | 94   |
| 3    |    | Heptacosane          | 380 | C27H56  | 000593-49-7 | 93   |
| 4    |    | Tricosane, 2-methyl- | 338 | C24H50  | 001928-30-9 | 91   |
| 5    |    | Heneicosane          | 296 | C21H44  | 000629-94-7 | 91   |



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Quant Title : SVOA CALIBRATION

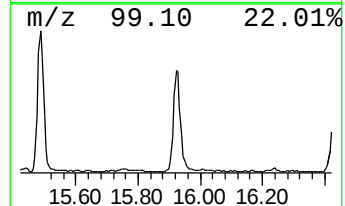
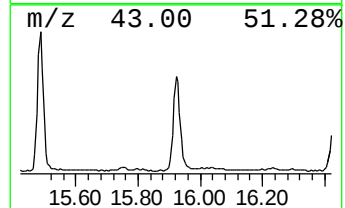
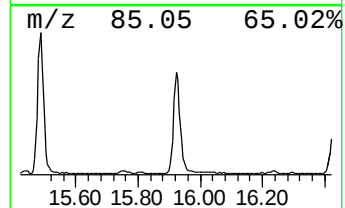
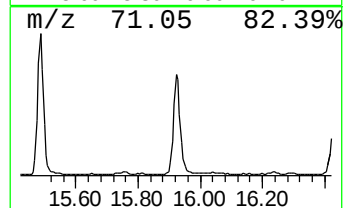
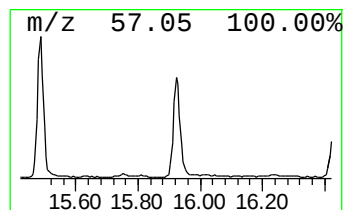
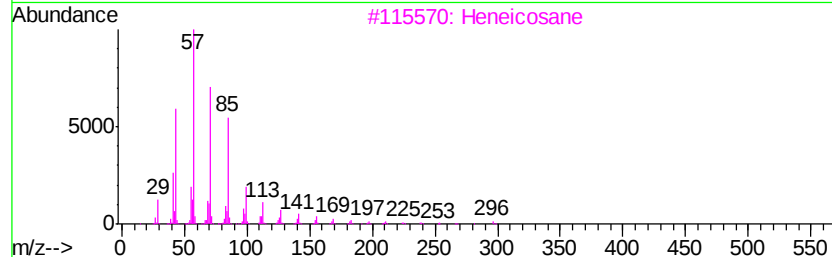
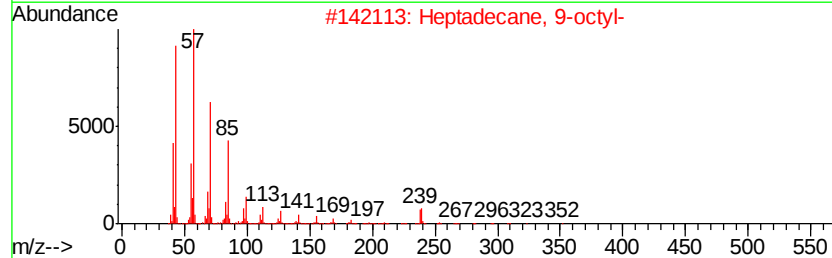
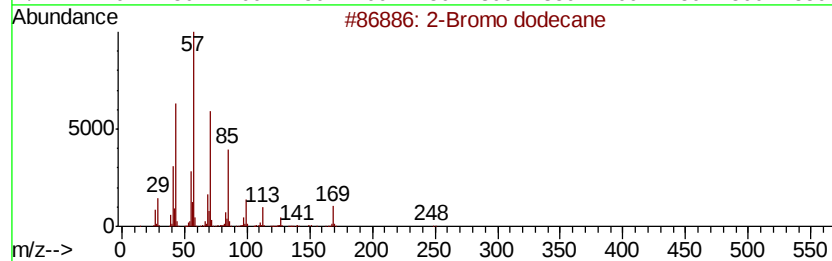
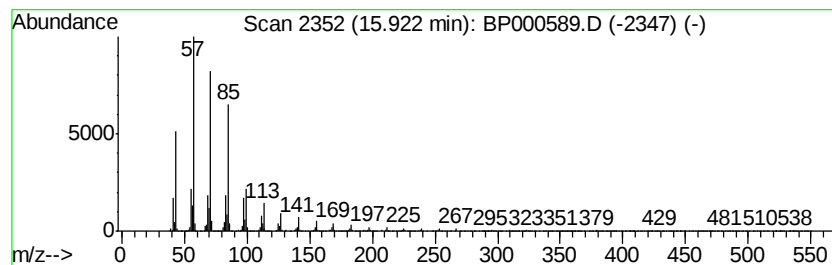
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 2-Bromo dodecane Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 15.92 | 3.36 ng/ul | 361550 | Perylene-d12     | 15.44 |

| Hit# | of | Tentative ID          | MW  | MolForm  | CAS#        | Qual |
|------|----|-----------------------|-----|----------|-------------|------|
| 1    | 5  | 2-Bromo dodecane      | 248 | C12H25Br | 013187-99-0 | 95   |
| 2    |    | Heptadecane, 9-octyl- | 352 | C25H52   | 007225-64-1 | 93   |
| 3    |    | Heneicosane           | 296 | C21H44   | 000629-94-7 | 91   |
| 4    |    | Hexadecane            | 226 | C16H34   | 000544-76-3 | 91   |
| 5    |    | Tetratriacontane      | 479 | C34H70   | 014167-59-0 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP100919\  
Data File : BP000589.D  
Acq On : 09 Oct 2019 23:30  
Operator : JU  
Sample : K5100-05  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
ETJY5

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

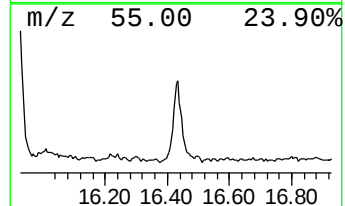
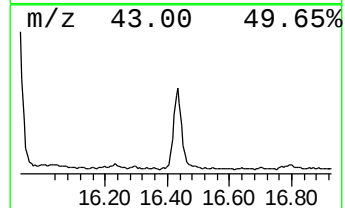
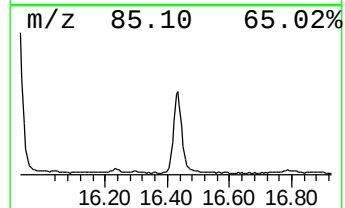
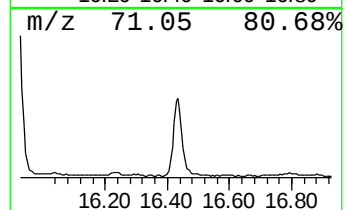
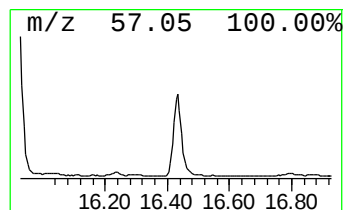
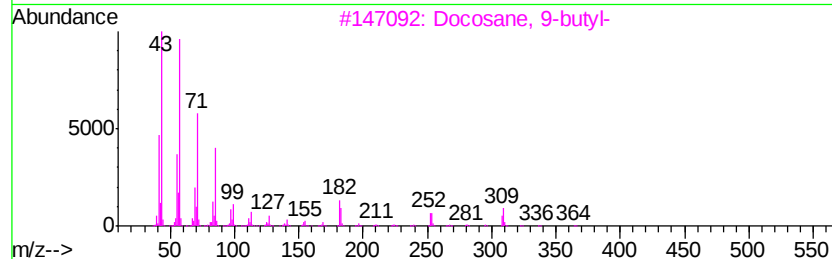
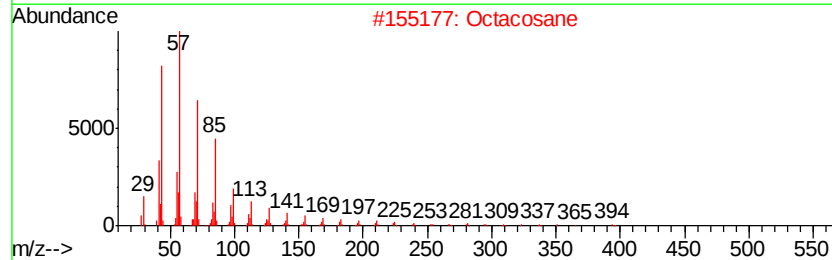
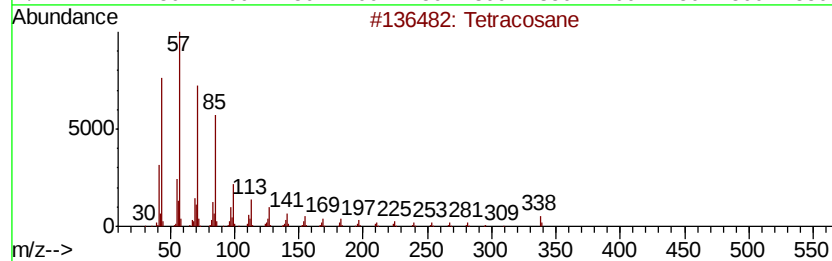
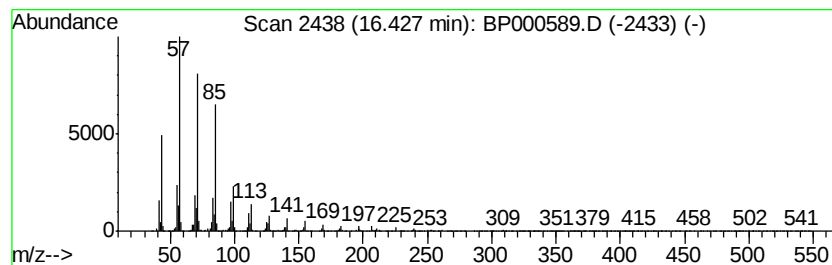
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 5

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 16.43 | 2.22 ng/ul | 239109 | Perylene-d12     | 15.44 |

| Hit# | of | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------|-----|---------|-------------|------|
| 1    | 5  | Tetracosane             | 338 | C24H50  | 000646-31-1 | 91   |
| 2    |    | Octacosane              | 394 | C28H58  | 000630-02-4 | 91   |
| 3    |    | Docosane, 9-butyl-      | 366 | C26H54  | 055282-14-9 | 90   |
| 4    |    | Heneicosane             | 296 | C21H44  | 000629-94-7 | 90   |
| 5    |    | Heneicosane, 11-pentyl- | 366 | C26H54  | 014739-72-1 | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_P\DATA\BP100919\  
Data File : BP000589.D  
Acq On : 09 Oct 2019 23:30  
Operator : JU  
Sample : K5100-05  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
ETJY5

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: Cyc... | 13.83 | 3.1     | ng/ul | 329974   | 5                     | 13.96 | 2145600 | 20.0 |
| (DEL) Alkane: Str... | 14.76 | 2.9     | ng/ul | 306723   | 6                     | 15.44 | 2152080 | 20.0 |
| (DEL) Alkane: Str... | 15.10 | 3.7     | ng/ul | 393767   | 6                     | 15.44 | 2152080 | 20.0 |
| 2-Bromo dodecane     | 15.92 | 3.4     | ng/ul | 361550   | 6                     | 15.44 | 2152080 | 20.0 |
| (DEL) Alkane: Str... | 16.43 | 2.2     | ng/ul | 239109   | 6                     | 15.44 | 2152080 | 20.0 |