

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090919\  
 Data File : BP000132.D  
 Acq On : 09 Sep 2019 14:42  
 Operator : HP/JU  
 Sample : K4708-03  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 CB5Q0

## 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-BP090519MA.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         | 2.158       | 5             | 12          | 17           | rBV      | 8847369        | 12279004      | 100.00%         | 11.862%       |
| 2         | 2.605       | 84            | 88          | 98           | rVB      | 78251          | 115685        | 0.94%           | 0.112%        |
| 3         | 3.922       | 304           | 312         | 316          | rBV      | 20005          | 30520         | 0.25%           | 0.029%        |
| 4         | 3.969       | 316           | 320         | 322          | rVV      | 63641          | 81562         | 0.66%           | 0.079%        |
| 5         | 3.999       | 322           | 325         | 335          | rVB      | 44213          | 61369         | 0.50%           | 0.059%        |
| 6         | 4.563       | 416           | 421         | 428          | rVB      | 33695          | 39616         | 0.32%           | 0.038%        |
| 7         | 5.087       | 506           | 510         | 516          | rBV      | 30448          | 33455         | 0.27%           | 0.032%        |
| 8         | 6.440       | 736           | 740         | 743          | rBV      | 23253          | 22348         | 0.18%           | 0.022%        |
| 9         | 6.504       | 748           | 751         | 759          | rBV      | 2237976        | 2110656       | 17.19%          | 2.039%        |
| 10        | 6.575       | 759           | 763         | 767          | rBV      | 1737227        | 1638402       | 13.34%          | 1.583%        |
| 11        | 6.657       | 773           | 777         | 781          | rBV      | 2605381        | 2124252       | 17.30%          | 2.052%        |
| 12        | 6.893       | 814           | 817         | 821          | rBV      | 3122447        | 2390605       | 19.47%          | 2.309%        |
| 13        | 6.951       | 824           | 827         | 829          | rBV      | 61958          | 45463         | 0.37%           | 0.044%        |
| 14        | 6.975       | 829           | 831         | 835          | rVB      | 29234          | 22137         | 0.18%           | 0.021%        |
| 15        | 7.257       | 875           | 879         | 882          | rBV      | 3400118        | 2504851       | 20.40%          | 2.420%        |
| 16        | 7.446       | 907           | 911         | 914          | rBV      | 2406493        | 1804618       | 14.70%          | 1.743%        |
| 17        | 7.534       | 922           | 926         | 929          | rVB      | 102095         | 87183         | 0.71%           | 0.084%        |
| 18        | 7.663       | 945           | 948         | 952          | rVB      | 51669          | 41697         | 0.34%           | 0.040%        |
| 19        | 7.775       | 963           | 967         | 970          | rBV      | 1784122        | 1371443       | 11.17%          | 1.325%        |
| 20        | 7.922       | 987           | 992         | 994          | rBV2     | 26408          | 24308         | 0.20%           | 0.023%        |
| 21        | 7.969       | 994           | 1000        | 1004         | rBV7     | 11930          | 21598         | 0.18%           | 0.021%        |
| 22        | 8.016       | 1004          | 1008        | 1011         | rBV      | 2782506        | 2443640       | 19.90%          | 2.361%        |
| 23        | 8.175       | 1032          | 1035        | 1039         | rBV      | 4022115        | 3267816       | 26.61%          | 3.157%        |
| 24        | 8.228       | 1041          | 1044        | 1048         | rVB      | 2823486        | 2287878       | 18.63%          | 2.210%        |
| 25        | 8.857       | 1149          | 1151        | 1154         | rVB      | 54499          | 41260         | 0.34%           | 0.040%        |
| 26        | 9.169       | 1201          | 1204        | 1208         | rVV      | 25136          | 26632         | 0.22%           | 0.026%        |
| 27        | 9.245       | 1214          | 1217        | 1220         | rBV      | 37059          | 28345         | 0.23%           | 0.027%        |
| 28        | 9.322       | 1225          | 1230        | 1232         | rBV      | 43678          | 44013         | 0.36%           | 0.043%        |
| 29        | 9.345       | 1232          | 1234        | 1236         | rVV      | 26002          | 25804         | 0.21%           | 0.025%        |
| 30        | 9.381       | 1238          | 1240        | 1243         | rVB3     | 26804          | 22841         | 0.19%           | 0.022%        |
| 31        | 9.628       | 1279          | 1282        | 1284         | rVV      | 4002254        | 3289666       | 26.79%          | 3.178%        |
| 32        | 9.651       | 1284          | 1286        | 1289         | rVV      | 1332789        | 947569        | 7.72%           | 0.915%        |
| 33        | 9.757       | 1301          | 1304        | 1306         | rBV2     | 27149          | 32306         | 0.26%           | 0.031%        |
| 34        | 9.787       | 1306          | 1309        | 1313         | rVB      | 5403960        | 4285514       | 34.90%          | 4.140%        |

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 Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\SOM-EPA-BP090519MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 9.863  | 1319 | 1322 | 1323 | rBV  | 36869   | 30231   | 0.25%  | 0.029% |
| 36 | 9.881  | 1323 | 1325 | 1328 | rVB  | 34160   | 27644   | 0.23%  | 0.027% |
| 37 | 9.945  | 1332 | 1336 | 1339 | rBV  | 5039007 | 4044618 | 32.94% | 3.907% |
| 38 | 9.975  | 1339 | 1341 | 1344 | rVB  | 41383   | 33207   | 0.27%  | 0.032% |
| 39 | 10.028 | 1346 | 1350 | 1356 | rBV  | 1875371 | 1537141 | 12.52% | 1.485% |
| 40 | 10.110 | 1361 | 1364 | 1367 | rVV2 | 53163   | 67745   | 0.55%  | 0.065% |
| 41 | 10.145 | 1367 | 1370 | 1376 | rVB3 | 93536   | 83689   | 0.68%  | 0.081% |
| 42 | 10.363 | 1403 | 1407 | 1409 | rBV2 | 48935   | 47330   | 0.39%  | 0.046% |
| 43 | 10.387 | 1409 | 1411 | 1414 | rVB  | 51221   | 39194   | 0.32%  | 0.038% |
| 44 | 10.469 | 1421 | 1425 | 1428 | rBV  | 6063187 | 5091190 | 41.46% | 4.918% |
| 45 | 10.522 | 1431 | 1434 | 1444 | rBV  | 1263775 | 1065879 | 8.68%  | 1.030% |
| 46 | 10.598 | 1444 | 1447 | 1454 | rVB2 | 88828   | 95103   | 0.77%  | 0.092% |
| 47 | 10.781 | 1474 | 1478 | 1480 | rBV2 | 37836   | 41415   | 0.34%  | 0.040% |
| 48 | 10.869 | 1490 | 1493 | 1494 | rBV  | 68443   | 64858   | 0.53%  | 0.063% |
| 49 | 10.951 | 1505 | 1507 | 1511 | rVB3 | 21070   | 24853   | 0.20%  | 0.024% |
| 50 | 11.075 | 1523 | 1528 | 1530 | rBV5 | 14607   | 26637   | 0.22%  | 0.026% |
| 51 | 11.322 | 1567 | 1570 | 1573 | rVV  | 84126   | 65437   | 0.53%  | 0.063% |
| 52 | 11.357 | 1573 | 1576 | 1580 | rVB  | 34673   | 36405   | 0.30%  | 0.035% |
| 53 | 11.445 | 1587 | 1591 | 1595 | rBV  | 5200334 | 4335544 | 35.31% | 4.188% |
| 54 | 11.504 | 1597 | 1601 | 1604 | rBV  | 6741658 | 5502224 | 44.81% | 5.315% |
| 55 | 11.692 | 1629 | 1633 | 1639 | rBV9 | 22472   | 46010   | 0.37%  | 0.044% |
| 56 | 11.757 | 1641 | 1644 | 1650 | rVB  | 64414   | 56006   | 0.46%  | 0.054% |
| 57 | 11.857 | 1658 | 1661 | 1664 | rVB2 | 23707   | 23553   | 0.19%  | 0.023% |
| 58 | 11.986 | 1680 | 1683 | 1685 | rVV  | 52046   | 48491   | 0.39%  | 0.047% |
| 59 | 12.022 | 1686 | 1689 | 1693 | rVB  | 121739  | 105948  | 0.86%  | 0.102% |
| 60 | 12.075 | 1695 | 1698 | 1702 | rVB2 | 105226  | 92234   | 0.75%  | 0.089% |
| 61 | 12.175 | 1712 | 1715 | 1717 | rBV2 | 80555   | 66163   | 0.54%  | 0.064% |
| 62 | 12.198 | 1717 | 1719 | 1722 | rVB3 | 29752   | 27035   | 0.22%  | 0.026% |
| 63 | 12.234 | 1722 | 1725 | 1727 | rBV2 | 87720   | 71729   | 0.58%  | 0.069% |
| 64 | 12.298 | 1733 | 1736 | 1739 | rVB4 | 26695   | 26158   | 0.21%  | 0.025% |
| 65 | 12.516 | 1771 | 1773 | 1777 | rBV3 | 111599  | 121919  | 0.99%  | 0.118% |
| 66 | 12.575 | 1780 | 1783 | 1786 | rVB  | 93551   | 88129   | 0.72%  | 0.085% |
| 67 | 12.610 | 1787 | 1789 | 1793 | rBV4 | 24166   | 26548   | 0.22%  | 0.026% |
| 68 | 12.657 | 1794 | 1797 | 1799 | rBV  | 77977   | 65771   | 0.54%  | 0.064% |
| 69 | 12.681 | 1799 | 1801 | 1805 | rVB  | 34309   | 32164   | 0.26%  | 0.031% |
| 70 | 12.722 | 1805 | 1808 | 1811 | rBV2 | 53522   | 64915   | 0.53%  | 0.063% |
| 71 | 12.792 | 1817 | 1820 | 1822 | rBV4 | 29552   | 34450   | 0.28%  | 0.033% |

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 Peak Location: TOP

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 Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\SOM-EPA-BP090519MA.M  
 Title : SVOA CALIBRATION

|     |        |      |      |      |      |         |         |        |        |
|-----|--------|------|------|------|------|---------|---------|--------|--------|
| 72  | 12.816 | 1822 | 1824 | 1827 | rVV  | 59037   | 54244   | 0.44%  | 0.052% |
| 73  | 12.892 | 1833 | 1837 | 1841 | rVB  | 6510721 | 6399668 | 52.12% | 6.182% |
| 74  | 12.957 | 1845 | 1848 | 1854 | rVB2 | 58687   | 71254   | 0.58%  | 0.069% |
| 75  | 13.033 | 1858 | 1861 | 1864 | rBV2 | 150274  | 140402  | 1.14%  | 0.136% |
| 76  | 13.145 | 1878 | 1880 | 1883 | rVB3 | 67509   | 54080   | 0.44%  | 0.052% |
| 77  | 13.204 | 1888 | 1890 | 1892 | rBV  | 33348   | 24408   | 0.20%  | 0.024% |
| 78  | 13.233 | 1892 | 1895 | 1903 | rBV3 | 89128   | 107425  | 0.87%  | 0.104% |
| 79  | 13.322 | 1903 | 1910 | 1913 | rBV2 | 126473  | 206974  | 1.69%  | 0.200% |
| 80  | 13.492 | 1936 | 1939 | 1942 | rBV  | 120095  | 106856  | 0.87%  | 0.103% |
| 81  | 13.675 | 1967 | 1970 | 1973 | rVB2 | 72443   | 73295   | 0.60%  | 0.071% |
| 82  | 14.010 | 2022 | 2027 | 2043 | rBV2 | 997917  | 1907520 | 15.53% | 1.843% |
| 83  | 14.133 | 2044 | 2048 | 2052 | rBV  | 4526972 | 4538470 | 36.96% | 4.384% |
| 84  | 14.345 | 2081 | 2084 | 2091 | rBV  | 143543  | 223857  | 1.82%  | 0.216% |
| 85  | 14.669 | 2134 | 2139 | 2149 | rBV  | 794656  | 1519825 | 12.38% | 1.468% |
| 86  | 14.822 | 2162 | 2165 | 2170 | rBV  | 132142  | 158511  | 1.29%  | 0.153% |
| 87  | 14.992 | 2191 | 2194 | 2203 | rVB  | 214809  | 343650  | 2.80%  | 0.332% |
| 88  | 15.145 | 2217 | 2220 | 2228 | rVB2 | 198212  | 350313  | 2.85%  | 0.338% |
| 89  | 15.369 | 2253 | 2258 | 2261 | rBV  | 554026  | 944059  | 7.69%  | 0.912% |
| 90  | 15.580 | 2288 | 2294 | 2300 | rVB  | 4448102 | 6133775 | 49.95% | 5.925% |
| 91  | 15.675 | 2305 | 2310 | 2319 | rVB  | 3176956 | 4418139 | 35.98% | 4.268% |
| 92  | 15.786 | 2325 | 2329 | 2336 | rVB  | 228605  | 405575  | 3.30%  | 0.392% |
| 93  | 15.998 | 2360 | 2365 | 2374 | rVB  | 359938  | 681248  | 5.55%  | 0.658% |
| 94  | 16.269 | 2405 | 2411 | 2416 | rBV  | 540258  | 1170556 | 9.53%  | 1.131% |
| 95  | 16.322 | 2416 | 2420 | 2428 | rVB2 | 297449  | 703482  | 5.73%  | 0.680% |
| 96  | 17.133 | 2553 | 2558 | 2568 | rVB2 | 228913  | 560781  | 4.57%  | 0.542% |
| 97  | 17.316 | 2585 | 2589 | 2604 | rVB6 | 222269  | 611646  | 4.98%  | 0.591% |
| 98  | 17.486 | 2612 | 2618 | 2626 | rVB4 | 205442  | 506381  | 4.12%  | 0.489% |
| 99  | 17.933 | 2687 | 2694 | 2709 | rBV4 | 639641  | 2091425 | 17.03% | 2.020% |
| 100 | 18.786 | 2831 | 2839 | 2858 | rVB5 | 570558  | 2160272 | 17.59% | 2.087% |

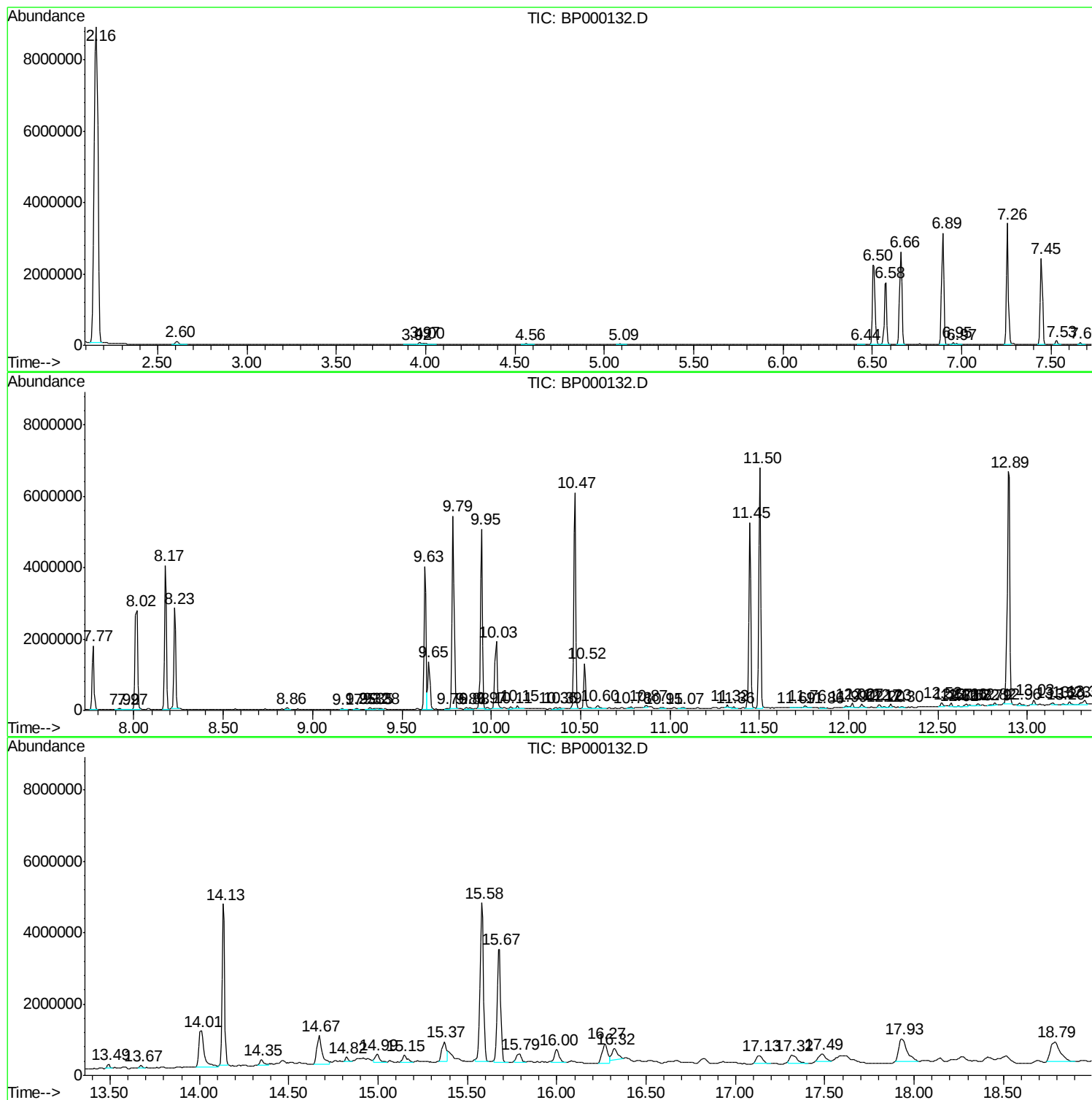
Sum of corrected areas: 103519714

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\SOM-EPA-BP090519MA.M  
Quant Title : SVOA CALIBRATION

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



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Quant Title : SVOA CALIBRATION

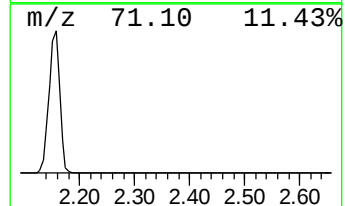
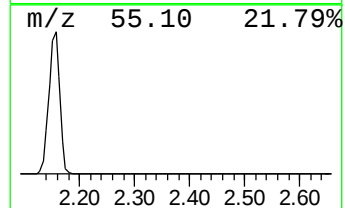
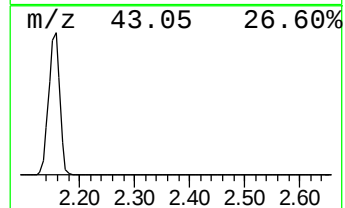
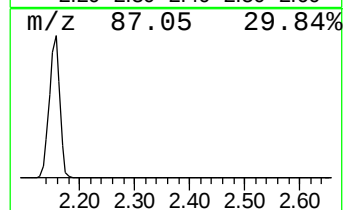
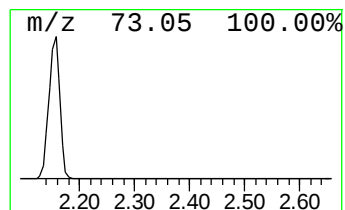
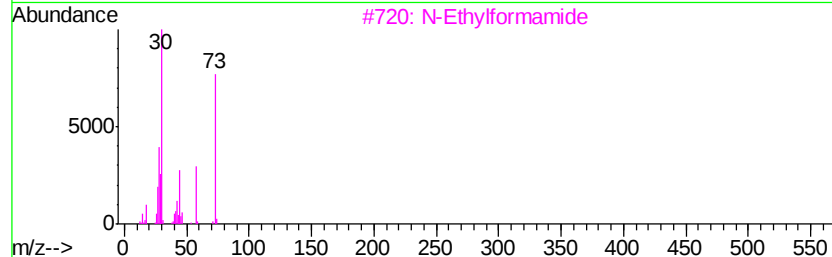
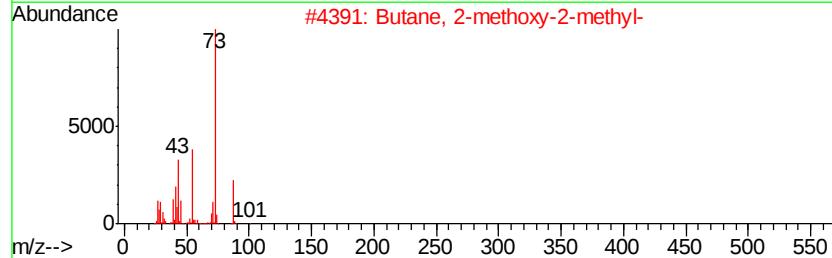
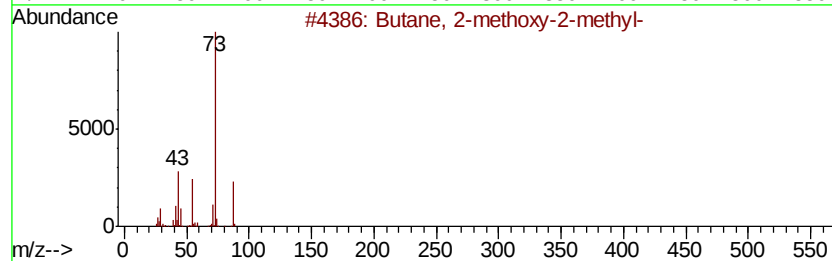
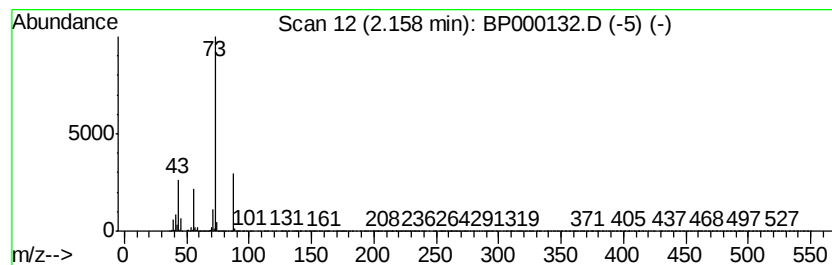
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

| R.T. | EstConc      | Area     | Relative to ISTD       | R.T. |
|------|--------------|----------|------------------------|------|
| 2.16 | 102.73 ng/ul | 12279000 | 1,4-Dichlorobenzene-d4 | 6.89 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 83   |
| 2    |    | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 78   |
| 3    |    | N-Ethylformamide            | 73  | C3H7NO  | 000627-45-2 | 9    |
| 4    |    | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 9    |
| 5    |    | 3-Hexanol, 2-methyl-        | 116 | C7H16O  | 000617-29-8 | 9    |



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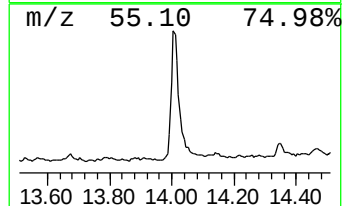
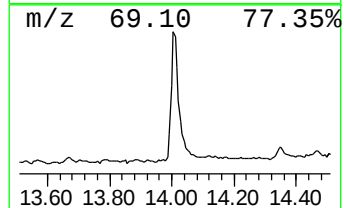
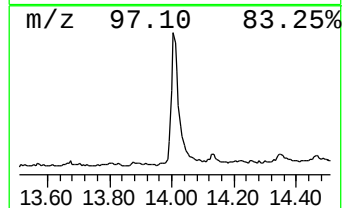
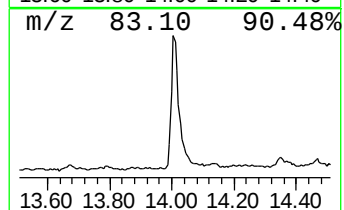
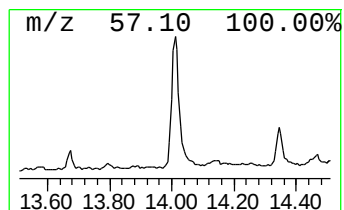
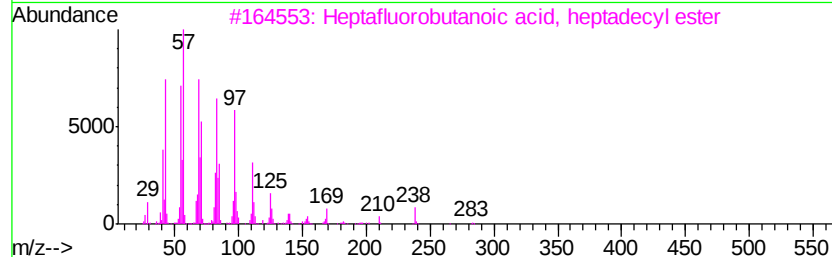
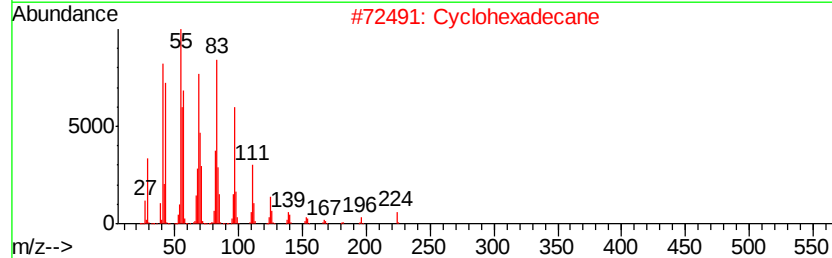
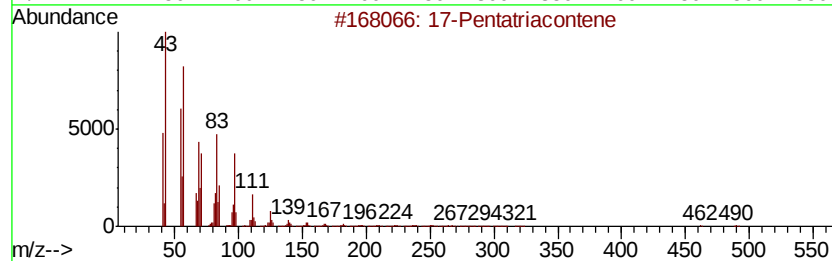
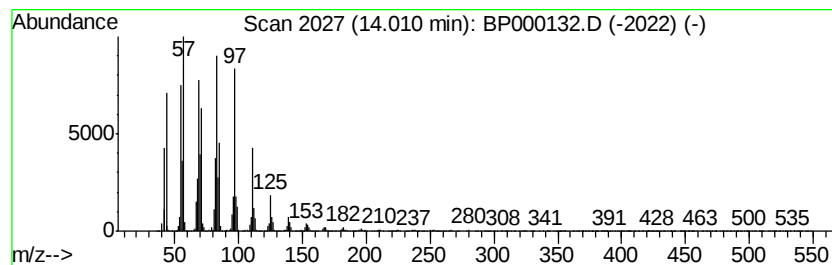
TIC Library : C:\DATABASE\NIST02.L  
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\*\*\*\*\*  
Peak Number 2 (DEL) Alkane: Cyclic14.01 Concentration Rank 4

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 14.01 | 8.41 ng/ul | 1907520 | Chrysene-d12     | 14.13 |

| Hit# | of | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|-------------------------------------|-----|-------------|--------------|------|
| 1    | 5  | 17-Pentatriacontene                 | 491 | C35H70      | 006971-40-0  | 95   |
| 2    |    | Cyclohexadecane                     | 224 | C16H32      | 000295-65-8  | 94   |
| 3    |    | Heptafluorobutanoic acid, heptad... | 452 | C21H35F7O2  | 1000282-97-3 | 94   |
| 4    |    | 5-Octadecene, (E)-                  | 252 | C18H36      | 007206-21-5  | 93   |
| 5    |    | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1  | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090919\  
Data File : BP000132.D  
Acq On : 09 Sep 2019 14:42  
Operator : HP/JU  
Sample : K4708-03  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
CB5Q0

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Quant Title : SVOA CALIBRATION

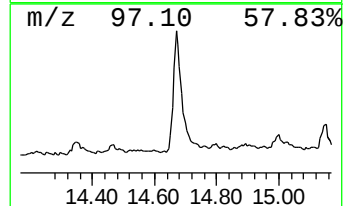
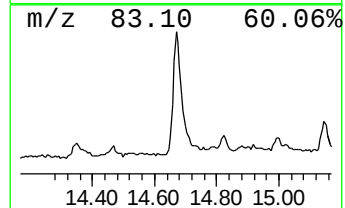
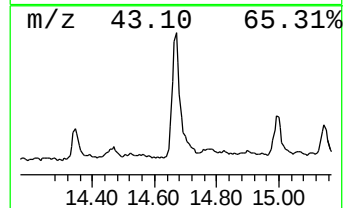
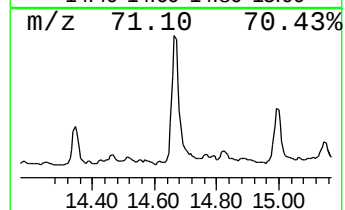
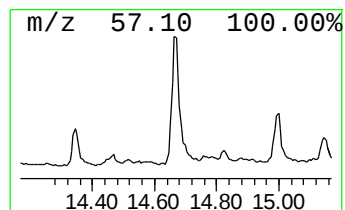
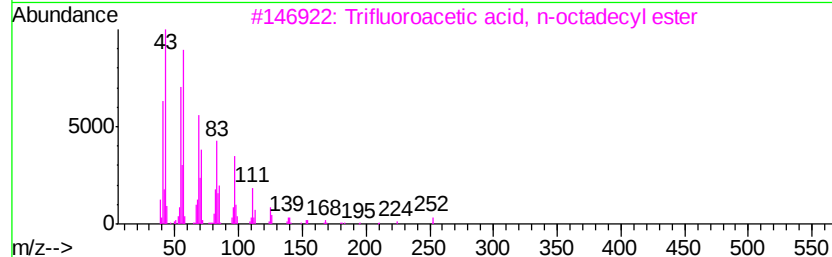
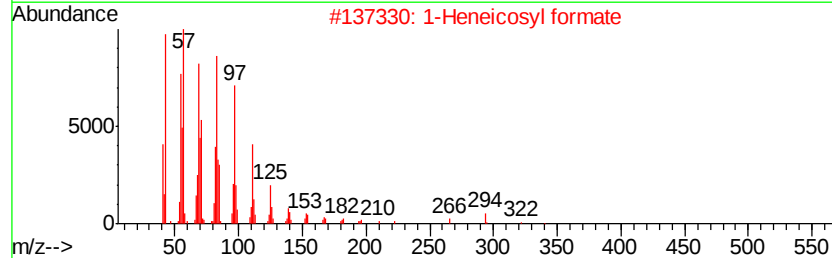
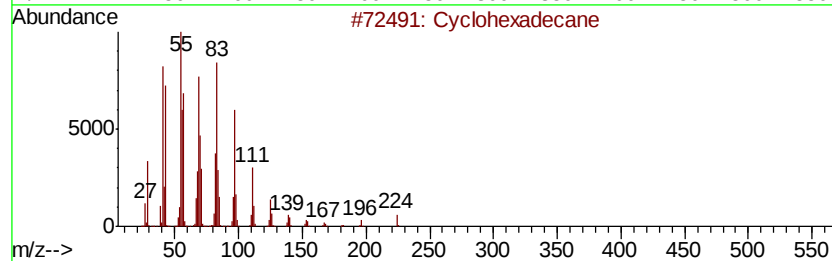
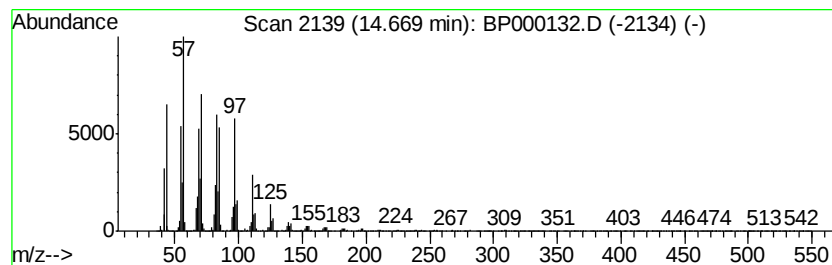
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 (DEL) Alkane: Cyclic14.67 Concentration Rank 5

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 14.67 | 6.70 ng/ul | 1519830 | Chrysene-d12     | 14.13 |

| Hit# | of | Tentative ID                         | MW  | MolForm    | CAS#        | Qual |
|------|----|--------------------------------------|-----|------------|-------------|------|
| 1    | 5  | Cyclohexadecane                      | 224 | C16H32     | 000295-65-8 | 99   |
| 2    |    | 1-Heneicosyl formate                 | 340 | C22H44O2   | 077899-03-7 | 91   |
| 3    |    | Trifluoroacetic acid, n-octadecyl... | 366 | C20H37F3O2 | 079392-43-1 | 87   |
| 4    |    | Ethanol, 2-(octadecyloxy)-           | 314 | C20H42O2   | 002136-72-3 | 86   |
| 5    |    | Ethanol, 2-(tetradecyloxy)-          | 258 | C16H34O2   | 002136-70-1 | 83   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090919\  
Data File : BP000132.D  
Acq On : 09 Sep 2019 14:42  
Operator : HP/JU  
Sample : K4708-03  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
CB5Q0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\SOM-EPA-BP090519MA.M  
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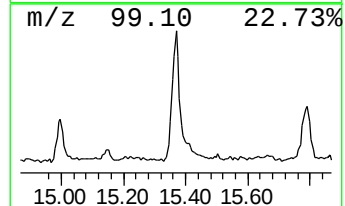
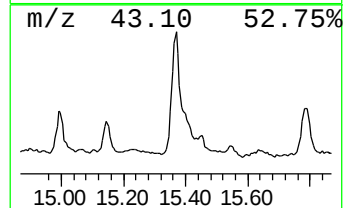
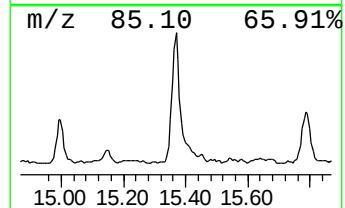
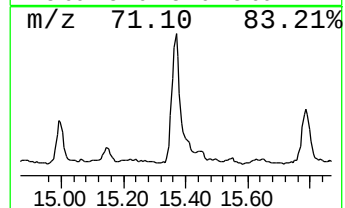
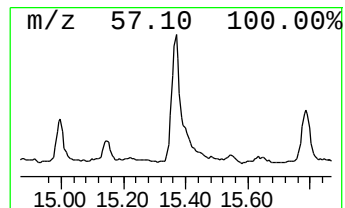
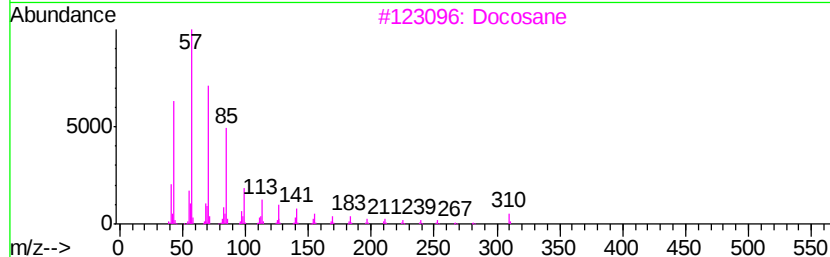
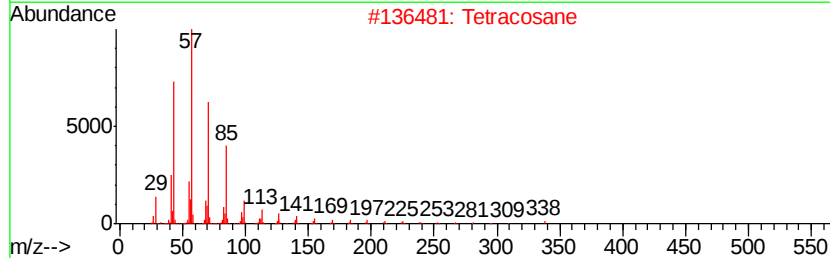
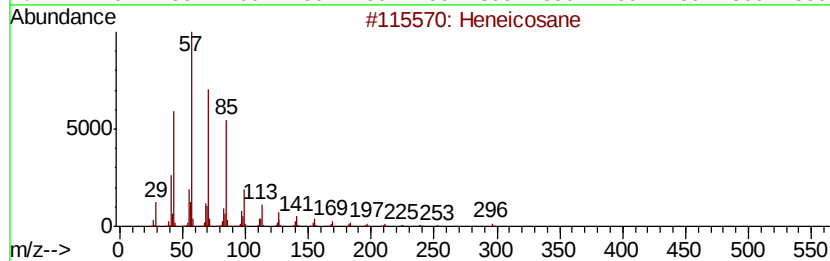
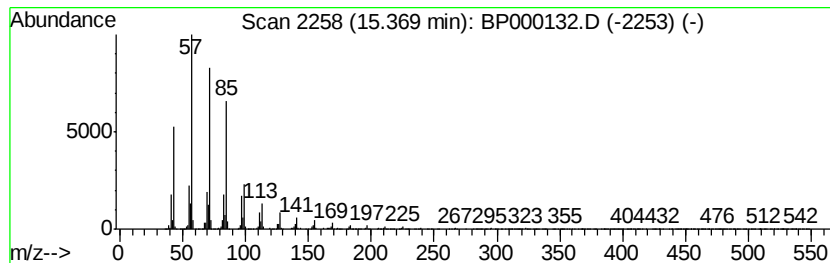
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 7

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 15.37 | 4.27 ng/ul | 944059 | Perylene-d12     | 15.67 |

| Hit# | of | Tentative ID                | MW  | MolForm     | CAS#        | Qual |
|------|----|-----------------------------|-----|-------------|-------------|------|
| 1    | 5  | Heneicosane                 | 296 | C21H44      | 000629-94-7 | 91   |
| 2    |    | Tetracosane                 | 338 | C24H50      | 000646-31-1 | 90   |
| 3    |    | Docosane                    | 310 | C22H46      | 000629-97-0 | 90   |
| 4    |    | Hexadecane, 1-iodo-         | 352 | C16H33I     | 000544-77-4 | 90   |
| 5    |    | Silane, trichlorooctadecyl- | 386 | C18H37Cl3Si | 000112-04-9 | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090919\  
Data File : BP000132.D  
Acq On : 09 Sep 2019 14:42  
Operator : HP/JU  
Sample : K4708-03  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
CB5Q0

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Quant Title : SVOA CALIBRATION

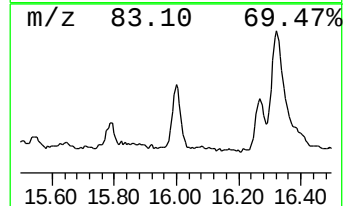
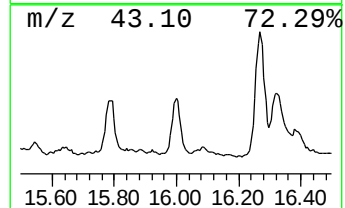
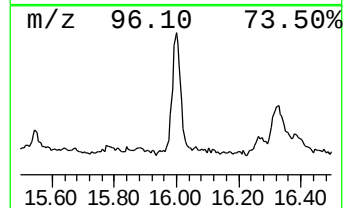
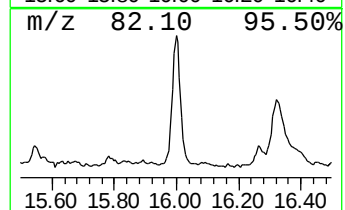
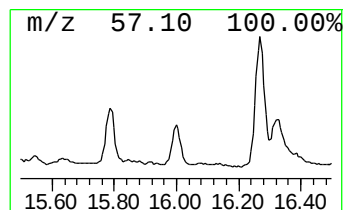
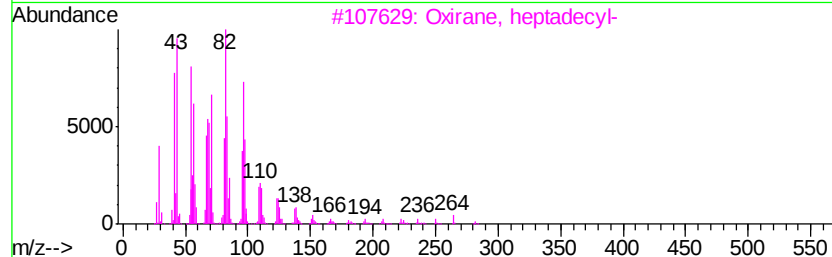
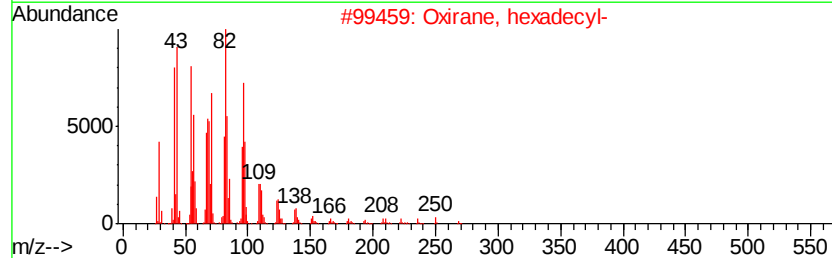
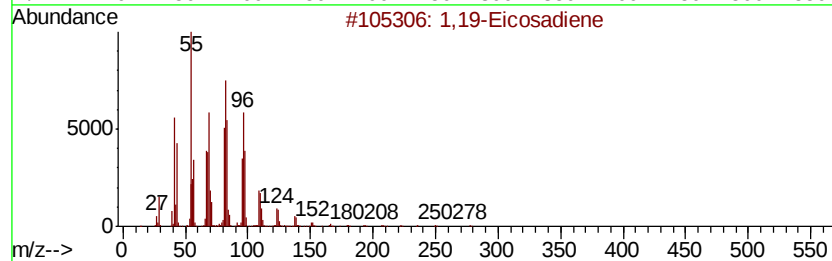
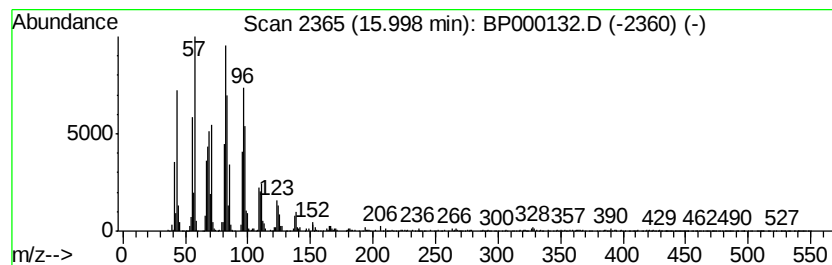
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 1,19-Eicosadiene Concentration Rank 9

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 16.00 | 3.08 ng/ul | 681248 | Perylene-d12     | 15.67 |

| Hit# of | 5                    | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|----------------------|--------------|-----|---------|-------------|------|
| 1       | 1,19-Eicosadiene     |              | 278 | C20H38  | 014811-95-1 | 94   |
| 2       | Oxirane, hexadecyl-  |              | 268 | C18H36O | 007390-81-0 | 91   |
| 3       | Oxirane, heptadecyl- |              | 282 | C19H38O | 067860-04-2 | 91   |
| 4       | Octadecanal          |              | 268 | C18H36O | 000638-66-4 | 90   |
| 5       | 1,13-Tetradecadiene  |              | 194 | C14H26  | 021964-49-8 | 83   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090919\  
Data File : BP000132.D  
Acq On : 09 Sep 2019 14:42  
Operator : HP/JU  
Sample : K4708-03  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
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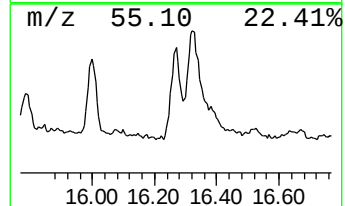
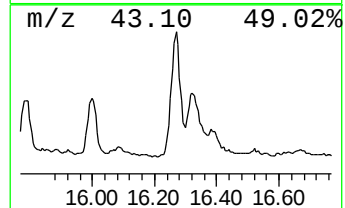
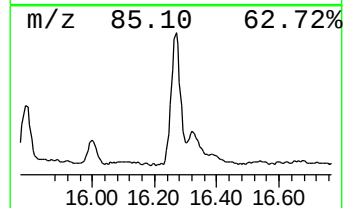
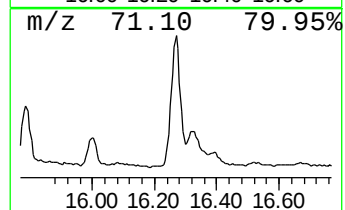
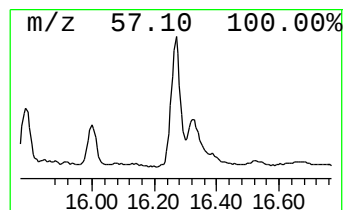
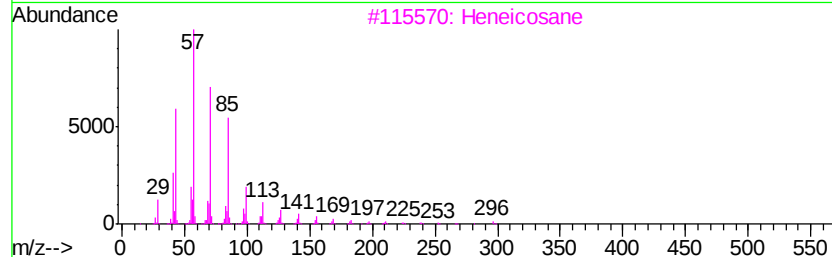
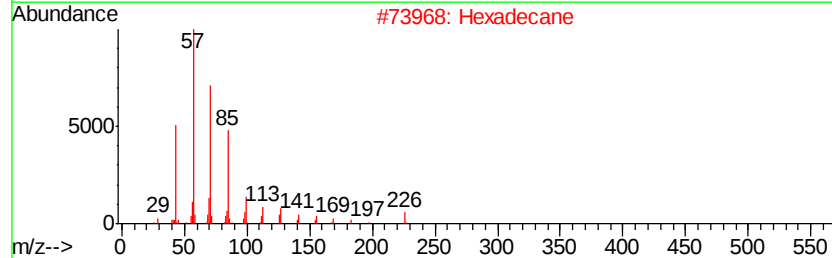
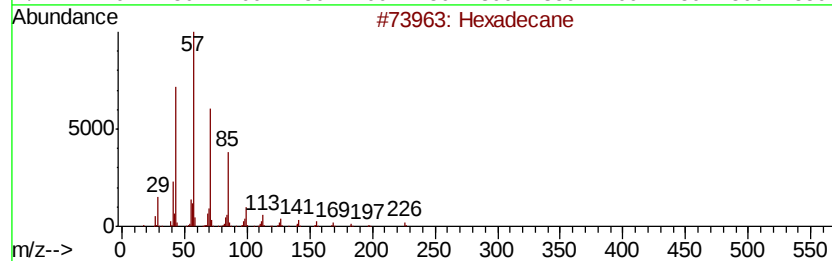
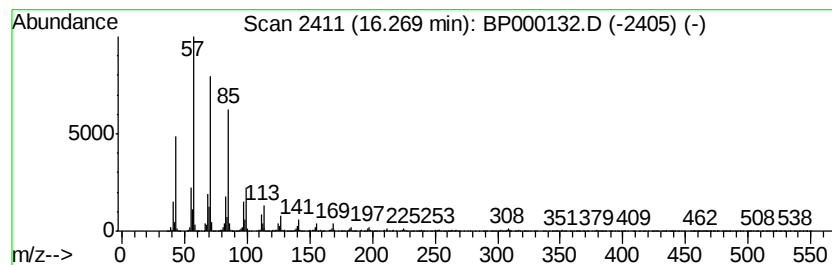
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 6

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 16.27 | 5.30 ng/ul | 1170560 | Perylene-d12     | 15.67 |

| Hit# | of | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|--------------|-----|---------|-------------|------|
| 1    | 5  | Hexadecane   | 226 | C16H34  | 000544-76-3 | 95   |
| 2    |    | Hexadecane   | 226 | C16H34  | 000544-76-3 | 91   |
| 3    |    | Heneicosane  | 296 | C21H44  | 000629-94-7 | 90   |
| 4    |    | Octacosane   | 394 | C28H58  | 000630-02-4 | 90   |
| 5    |    | Heptadecane  | 240 | C17H36  | 000629-78-7 | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090919\  
Data File : BP000132.D  
Acq On : 09 Sep 2019 14:42  
Operator : HP/JU  
Sample : K4708-03  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
CB5Q0

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Quant Title : SVOA CALIBRATION

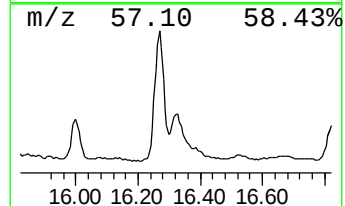
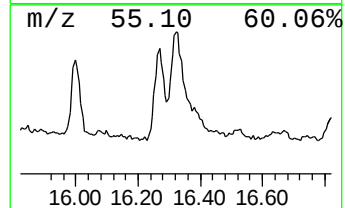
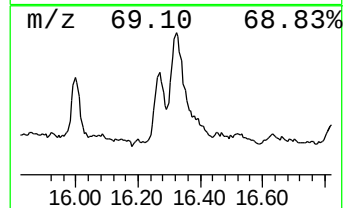
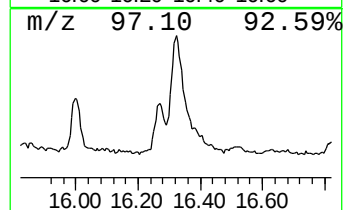
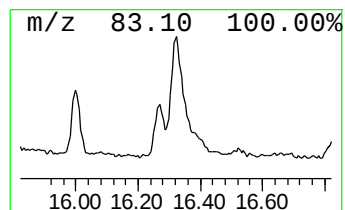
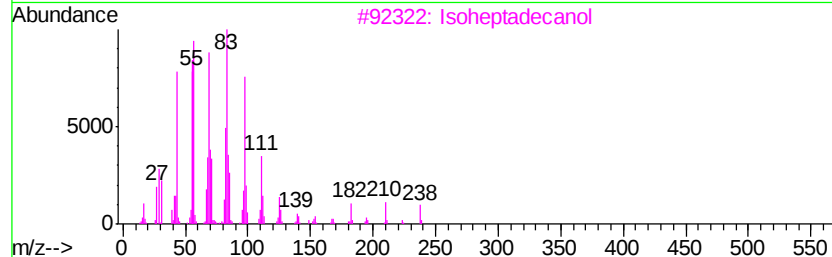
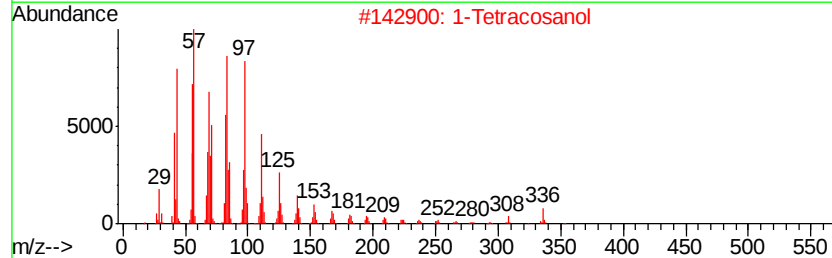
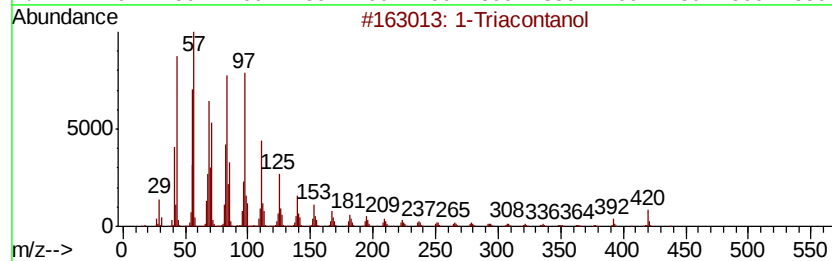
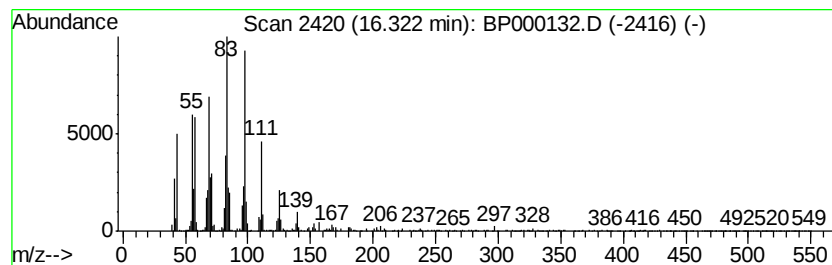
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 1-Triacontanol Concentration Rank 8

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 16.32 | 3.18 ng/ul | 703482 | Perylene-d12     | 15.67 |

| Hit# | of | Tentative ID                 | MW  | MolForm    | CAS#         | Qual |
|------|----|------------------------------|-----|------------|--------------|------|
| 1    | 5  | 1-Triacontanol               | 438 | C30H62O    | 000593-50-0  | 72   |
| 2    |    | 1-Tetracosanol               | 354 | C24H50O    | 000506-51-4  | 58   |
| 3    |    | Isoheptadecanol              | 256 | C17H36O    | 057289-07-3  | 47   |
| 4    |    | 17-Pentatriacontene          | 491 | C35H70     | 006971-40-0  | 43   |
| 5    |    | 4-Trifluoroacetoxyhexadecane | 338 | C18H33F3O2 | 1000215-97-5 | 38   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090919\  
Data File : BP000132.D  
Acq On : 09 Sep 2019 14:42  
Operator : HP/JU  
Sample : K4708-03  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
CB5Q0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\SOM-EPA-BP090519MA.M  
Quant Title : SVOA CALIBRATION

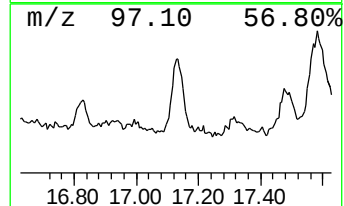
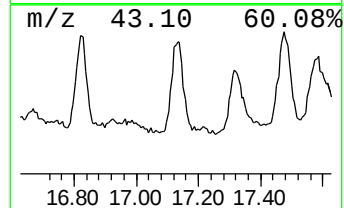
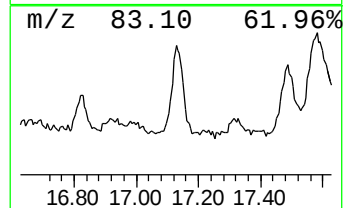
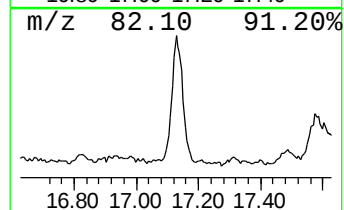
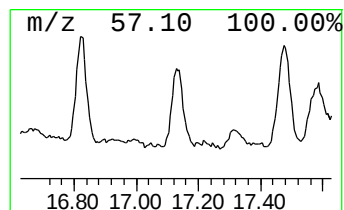
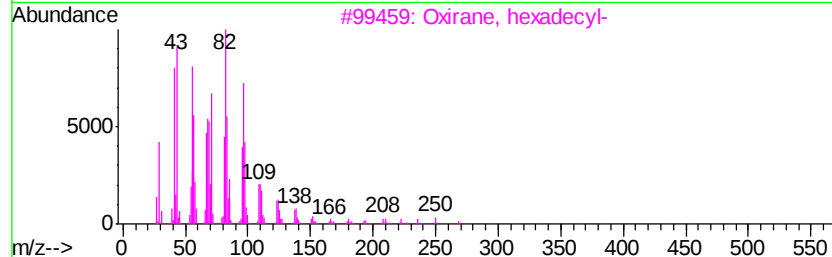
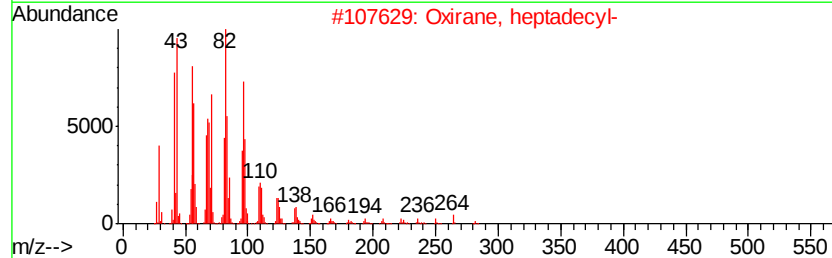
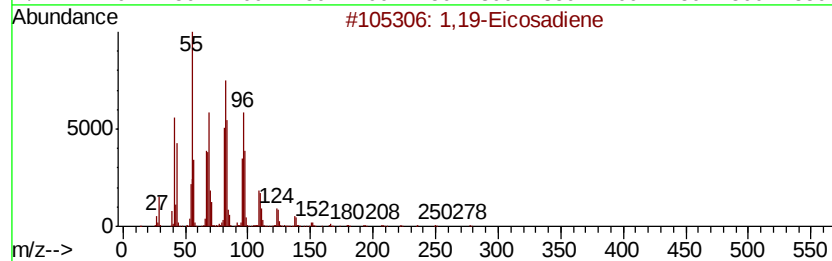
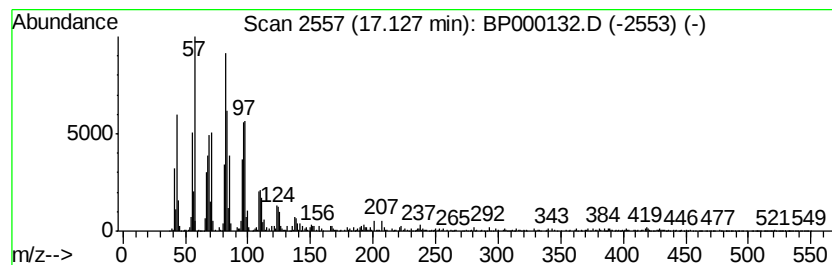
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TIC Integration Parameters: LSCINT.P

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Peak Number 8 Oxirane, heptadecyl- Concentration Rank 11

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 17.13 | 2.54 ng/ul | 560781 | Perylene-d12     | 15.67 |

| Hit# | of | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------|-----|---------|-------------|------|
| 1    | 5  | 1,19-Eicosadiene     | 278 | C20H38  | 014811-95-1 | 93   |
| 2    |    | Oxirane, heptadecyl- | 282 | C19H38O | 067860-04-2 | 91   |
| 3    |    | Oxirane, hexadecyl-  | 268 | C18H36O | 007390-81-0 | 91   |
| 4    |    | Octadecanal          | 268 | C18H36O | 000638-66-4 | 83   |
| 5    |    | Octadecanal          | 268 | C18H36O | 000638-66-4 | 83   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090919\  
Data File : BP000132.D  
Acq On : 09 Sep 2019 14:42  
Operator : HP/JU  
Sample : K4708-03  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
CB5Q0

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Quant Title : SVOA CALIBRATION

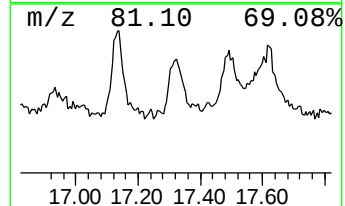
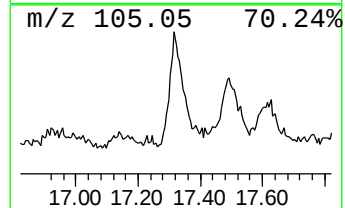
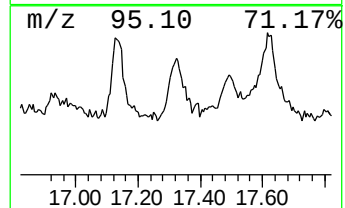
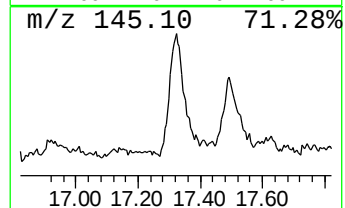
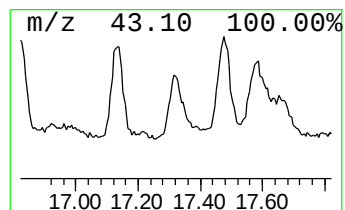
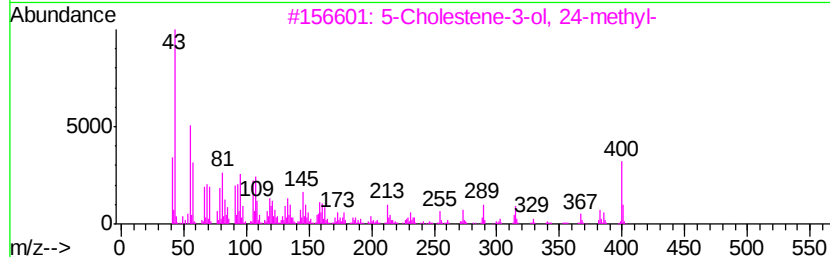
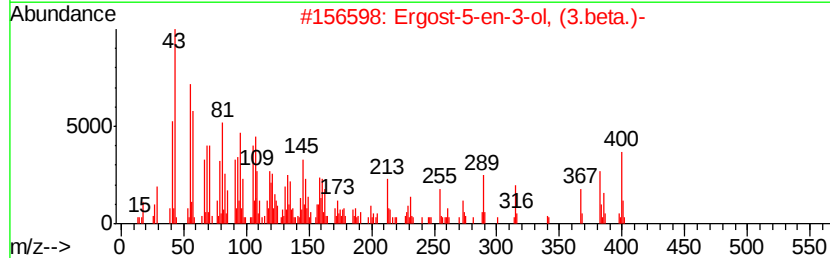
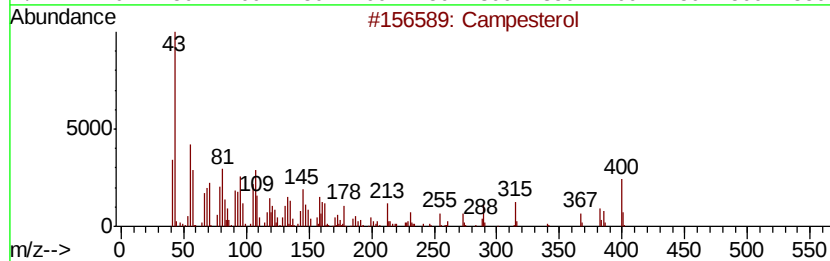
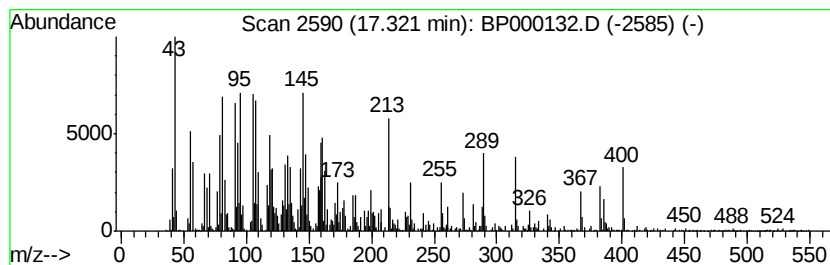
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Campesterol Concentration Rank 10

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 17.32 | 2.77 ng/ul | 611646 | Perylene-d12     | 15.67 |

| Hit# | of | Tentative ID                  | MW  | MolForm | CAS#         | Qual |
|------|----|-------------------------------|-----|---------|--------------|------|
| 1    | 5  | Campesterol                   | 400 | C28H48O | 000474-62-4  | 91   |
| 2    |    | Ergost-5-en-3-ol, (3.beta.)-  | 400 | C28H48O | 004651-51-8  | 87   |
| 3    |    | 5-Cholestene-3-ol, 24-methyl- | 400 | C28H48O | 1000214-17-4 | 81   |
| 4    |    | Campesterol                   | 400 | C28H48O | 000474-62-4  | 62   |
| 5    |    | Ergost-7-en-3-ol, (3.beta.)-  | 400 | C28H48O | 026047-31-4  | 38   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090919\  
Data File : BP000132.D  
Acq On : 09 Sep 2019 14:42  
Operator : HP/JU  
Sample : K4708-03  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
CB5Q0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\SOM-EPA-BP090519MA.M  
Quant Title : SVOA CALIBRATION

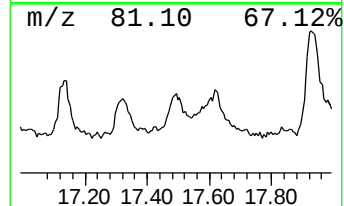
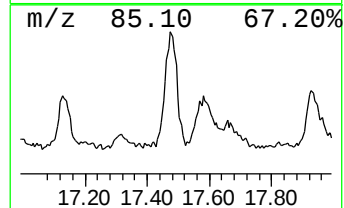
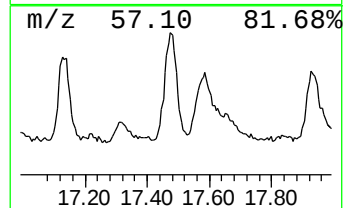
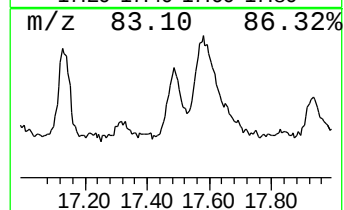
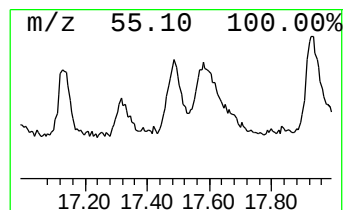
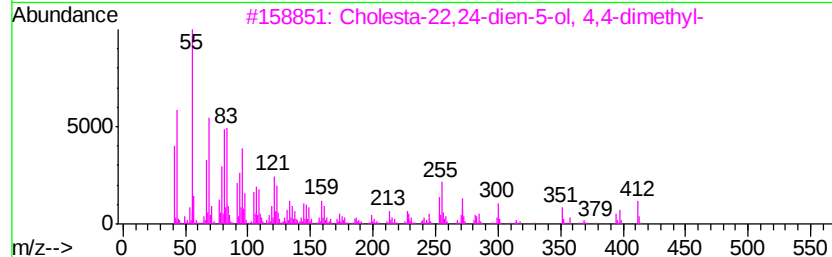
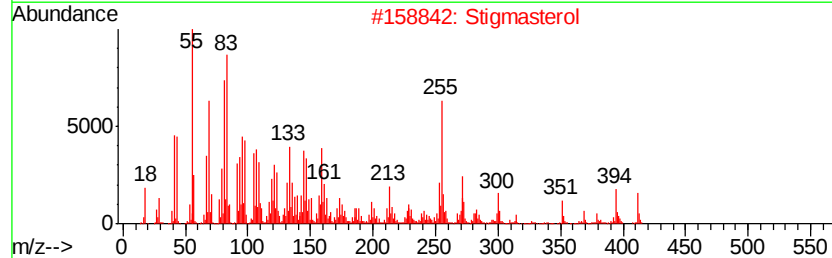
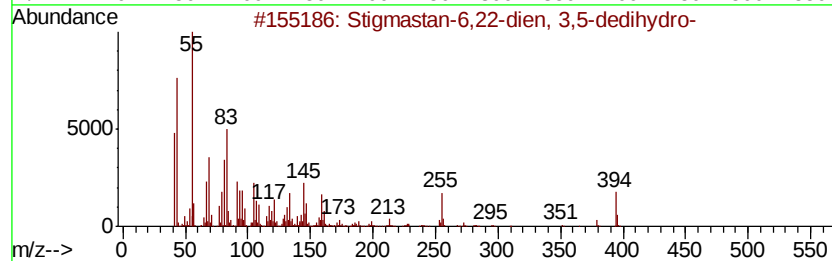
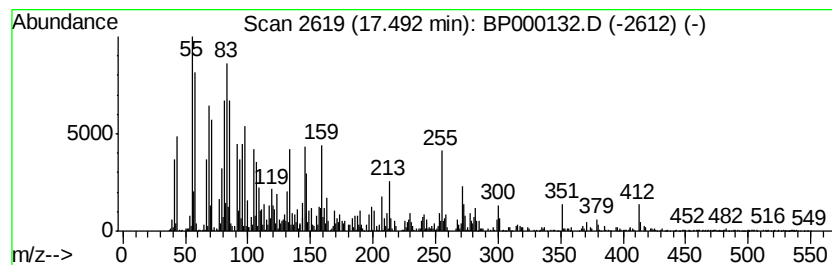
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TIC Integration Parameters: LSCINT.P

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Peak Number 10 Stigmastan-6,22-dien, 3,5-d... Concentration Rank 12

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 17.49 | 2.29 ng/ul | 506381 | Perylene-d12     | 15.67 |

| Hit# | of | Tentative ID                            | MW       | MolForm | CAS#         | Qual |
|------|----|-----------------------------------------|----------|---------|--------------|------|
| 1    | 5  | Stigmastan-6,22-dien, 3,5-dedi... 394   | C29H46   |         | 107304-12-1  | 87   |
| 2    |    | Stigmasterol 412                        | C29H48O  |         | 000083-48-7  | 83   |
| 3    |    | Cholesta-22,24-dien-5-ol, 4,4-di... 412 | C29H48O  |         | 1000128-66-1 | 46   |
| 4    |    | Stigmasterol 412                        | C29H48O  |         | 000083-48-7  | 42   |
| 5    |    | Stigmasta-5,22-dien-3-ol, acetat... 454 | C31H50O2 |         | 004651-48-3  | 38   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090919\  
Data File : BP000132.D  
Acq On : 09 Sep 2019 14:42  
Operator : HP/JU  
Sample : K4708-03  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
CB5Q0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\SOM-EPA-BP090519MA.M  
Quant Title : SVOA CALIBRATION

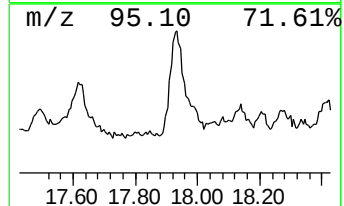
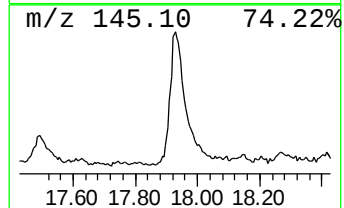
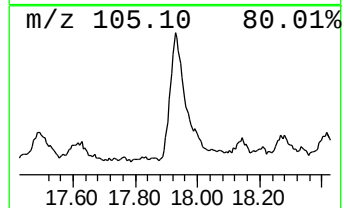
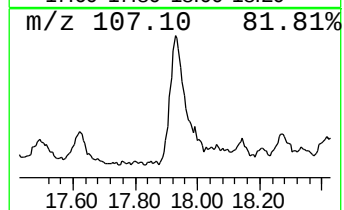
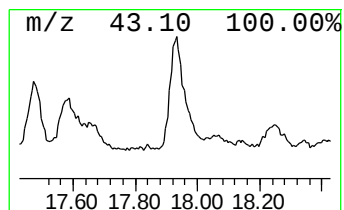
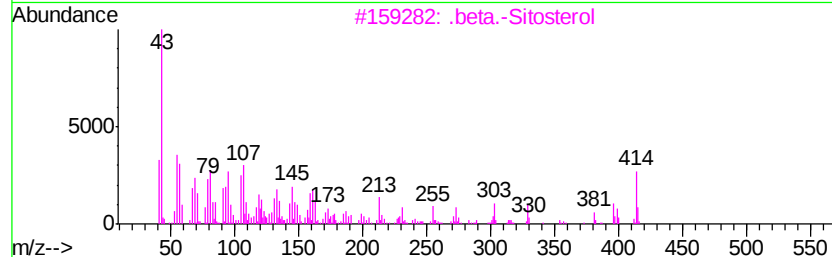
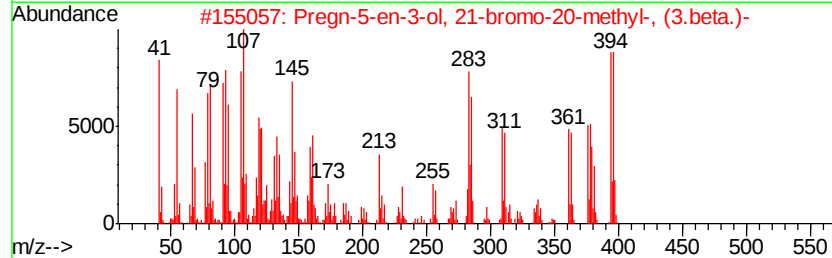
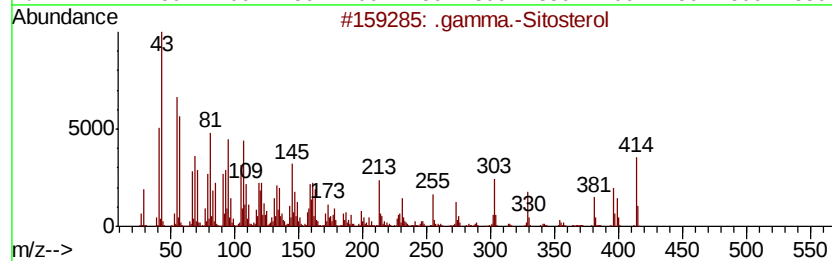
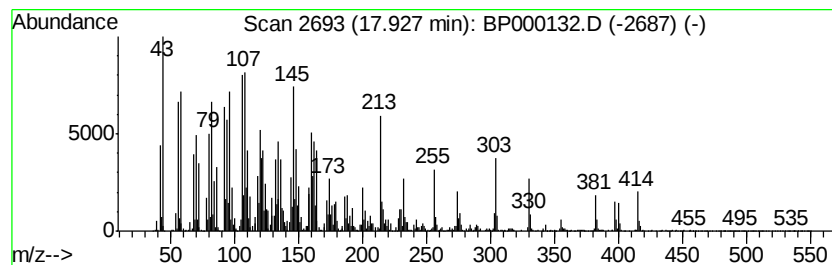
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 11 .gamma.-Sitosterol Concentration Rank 3

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 17.93 | 9.47 ng/ul | 2091430 | Perylene-d12     | 15.67 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|-------------------------------------|-----|-----------|-------------|------|
| 1    | 5  | .gamma.-Sitosterol                  | 414 | C29H50O   | 000083-47-6 | 99   |
| 2    |    | Pregn-5-en-3-ol, 21-bromo-20-met... | 394 | C22H35BrO | 055103-80-5 | 95   |
| 3    |    | .beta.-Sitosterol                   | 414 | C29H50O   | 000083-46-5 | 95   |
| 4    |    | .gamma.-Sitosterol                  | 414 | C29H50O   | 000083-47-6 | 93   |
| 5    |    | .beta.-Sitosterol                   | 414 | C29H50O   | 000083-46-5 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090919\  
Data File : BP000132.D  
Acq On : 09 Sep 2019 14:42  
Operator : HP/JU  
Sample : K4708-03  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
CB5Q0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\SOM-EPA-BP090519MA.M  
Quant Title : SVOA CALIBRATION

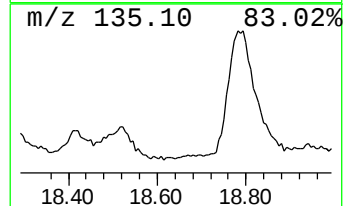
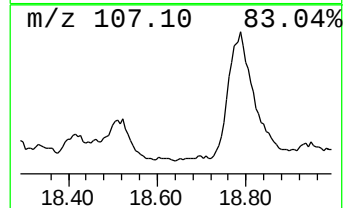
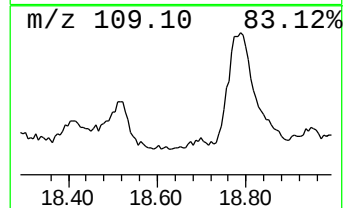
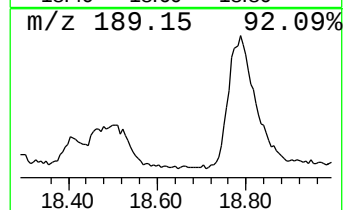
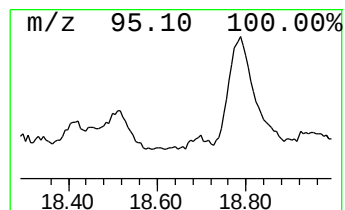
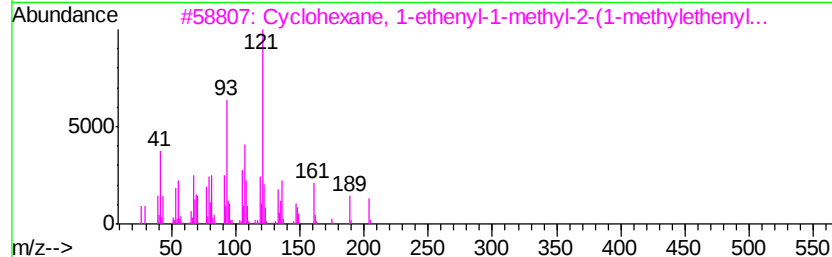
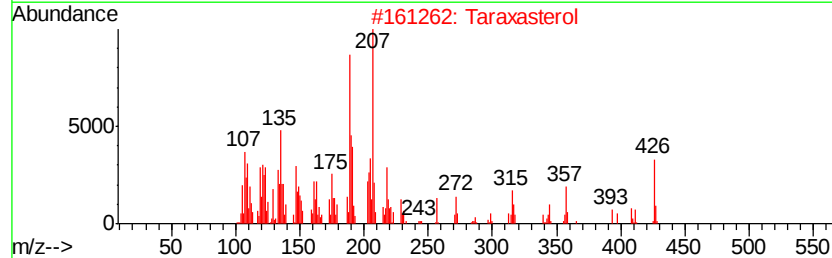
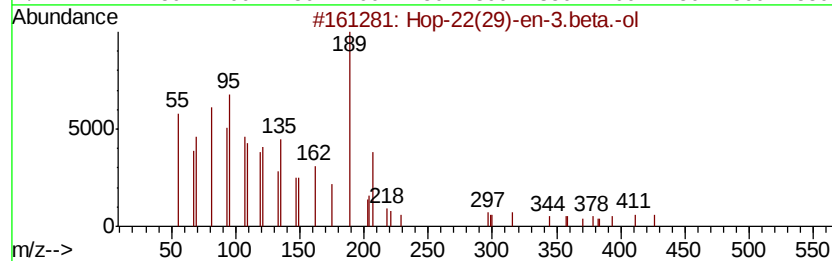
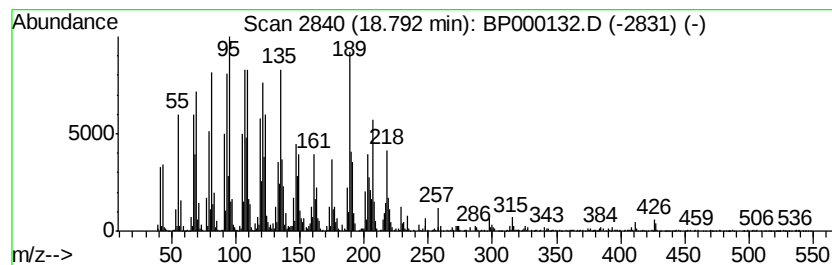
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 12 Hop-22(29)-en-3.beta.-ol Concentration Rank 2

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 18.79 | 9.78 ng/ul | 2160270 | Perylene-d12     | 15.67 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Hop-22(29)-en-3.beta.-ol            | 426 | C30H50O | 058801-23-3 | 92   |
| 2    |    | Taraxasterol                        | 426 | C30H50O | 001059-14-9 | 81   |
| 3    |    | Cyclohexane, 1-ethenyl-1-methyl-... | 204 | C15H24  | 003242-08-8 | 50   |
| 4    |    | 1,5-Cyclodecadiene, 1,5-dimethyl... | 204 | C15H24  | 015423-57-1 | 44   |
| 5    |    | Cyclohexanol, 2-methyl-5-(1-meth... | 154 | C10H18O | 000619-01-2 | 42   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_P\DATA\BP090919\  
Data File : BP000132.D  
Acq On : 09 Sep 2019 14:42  
Operator : HP/JU  
Sample : K4708-03  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
CB5Q0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\SOM-EPA-BP090519MA.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 |
| Butane, 2-methoxy... | 2.16  | 102.7   | ng/ul | 12279000 | 1                     | 6.89  | 2390610 | 20.0 |
| (DEL) Alkane: Cyc... | 14.01 | 8.4     | ng/ul | 1907520  | 5                     | 14.13 | 4538470 | 20.0 |
| (DEL) Alkane: Cyc... | 14.67 | 6.7     | ng/ul | 1519830  | 5                     | 14.13 | 4538470 | 20.0 |
| (DEL) Alkane: Str... | 15.37 | 4.3     | ng/ul | 944059   | 6                     | 15.67 | 4418140 | 20.0 |
| 1,19-Eicosadiene     | 16.00 | 3.1     | ng/ul | 681248   | 6                     | 15.67 | 4418140 | 20.0 |
| (DEL) Alkane: Str... | 16.27 | 5.3     | ng/ul | 1170560  | 6                     | 15.67 | 4418140 | 20.0 |
| 1-Triacontanol       | 16.32 | 3.2     | ng/ul | 703482   | 6                     | 15.67 | 4418140 | 20.0 |
| Oxirane, heptadecyl- | 17.13 | 2.5     | ng/ul | 560781   | 6                     | 15.67 | 4418140 | 20.0 |
| Campesterol          | 17.32 | 2.8     | ng/ul | 611646   | 6                     | 15.67 | 4418140 | 20.0 |
| Stigmastan-6,22-d... | 17.49 | 2.3     | ng/ul | 506381   | 6                     | 15.67 | 4418140 | 20.0 |
| .gamma.-Sitosterol   | 17.93 | 9.5     | ng/ul | 2091430  | 6                     | 15.67 | 4418140 | 20.0 |
| Hop-22(29)-en-3.b... | 18.79 | 9.8     | ng/ul | 2160270  | 6                     | 15.67 | 4418140 | 20.0 |