

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101619\  
 Data File : BP000789.D  
 Acq On : 16 Oct 2019 00:37  
 Operator : JU  
 Sample : K5178-16  
 Misc :  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 BEPD5

## 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<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         | 2.364       | 44            | 47          | 59           | rVB      | 28466          | 41770         | 0.77%           | 0.110%        |
| 2         | 3.311       | 201           | 208         | 217          | rBV      | 5915           | 12436         | 0.23%           | 0.033%        |
| 3         | 3.511       | 237           | 242         | 254          | rVB      | 26294          | 44618         | 0.82%           | 0.117%        |
| 4         | 3.722       | 273           | 278         | 281          | rBV      | 10343          | 16608         | 0.31%           | 0.044%        |
| 5         | 3.758       | 281           | 284         | 291          | rVB      | 11974          | 17261         | 0.32%           | 0.045%        |
| 6         | 4.563       | 415           | 421         | 427          | rBV2     | 5196           | 6192          | 0.11%           | 0.016%        |
| 7         | 4.916       | 478           | 481         | 485          | rVB      | 11132          | 10149         | 0.19%           | 0.027%        |
| 8         | 5.075       | 504           | 508         | 512          | rBV2     | 3901           | 5771          | 0.11%           | 0.015%        |
| 9         | 6.057       | 672           | 675         | 681          | rVB2     | 7656           | 9275          | 0.17%           | 0.024%        |
| 10        | 6.387       | 727           | 731         | 736          | rBV      | 841272         | 801306        | 14.81%          | 2.109%        |
| 11        | 6.428       | 736           | 738         | 750          | rVV      | 669619         | 641110        | 11.85%          | 1.687%        |
| 12        | 6.522       | 750           | 754         | 761          | rVV      | 926324         | 824557        | 15.24%          | 2.170%        |
| 13        | 6.593       | 764           | 766         | 774          | rVB3     | 6179           | 7384          | 0.14%           | 0.019%        |
| 14        | 6.752       | 789           | 793         | 801          | rBV      | 1087835        | 1013120       | 18.73%          | 2.666%        |
| 15        | 6.816       | 801           | 804         | 810          | rVB2     | 9179           | 10179         | 0.19%           | 0.027%        |
| 16        | 7.134       | 855           | 858         | 872          | rBV      | 922020         | 787556        | 14.56%          | 2.073%        |
| 17        | 7.304       | 884           | 887         | 891          | rBV      | 865081         | 691457        | 12.78%          | 1.820%        |
| 18        | 7.522       | 921           | 924         | 927          | rVB      | 25064          | 20297         | 0.38%           | 0.053%        |
| 19        | 7.634       | 940           | 943         | 958          | rBV      | 724846         | 568718        | 10.51%          | 1.497%        |
| 20        | 7.887       | 982           | 986         | 1007         | rBV      | 848986         | 957557        | 17.70%          | 2.520%        |
| 21        | 8.034       | 1007          | 1011        | 1014         | rVV      | 1651582        | 1338764       | 24.75%          | 3.523%        |
| 22        | 8.093       | 1018          | 1021        | 1037         | rVB      | 817984         | 686134        | 12.68%          | 1.806%        |
| 23        | 8.257       | 1047          | 1049        | 1055         | rVB3     | 6552           | 5910          | 0.11%           | 0.016%        |
| 24        | 8.716       | 1125          | 1127        | 1131         | rBV      | 16413          | 14980         | 0.28%           | 0.039%        |
| 25        | 9.204       | 1204          | 1210        | 1211         | rBV3     | 4425           | 5468          | 0.10%           | 0.014%        |
| 26        | 9.445       | 1249          | 1251        | 1255         | rBV2     | 7500           | 7381          | 0.14%           | 0.019%        |
| 27        | 9.487       | 1255          | 1258        | 1260         | rVV      | 1547826        | 1226312       | 22.67%          | 3.227%        |
| 28        | 9.510       | 1260          | 1262        | 1272         | rVB      | 838138         | 613810        | 11.35%          | 1.615%        |
| 29        | 9.640       | 1281          | 1284        | 1295         | rVB      | 2046081        | 1658868       | 30.66%          | 4.366%        |
| 30        | 9.798       | 1307          | 1311        | 1314         | rBV      | 1830112        | 1629256       | 30.12%          | 4.288%        |
| 31        | 9.916       | 1327          | 1331        | 1339         | rBV      | 262243         | 335047        | 6.19%           | 0.882%        |
| 32        | 9.975       | 1339          | 1341        | 1344         | rVV      | 45151          | 46262         | 0.86%           | 0.122%        |
| 33        | 10.004      | 1344          | 1346        | 1354         | rVB2     | 103302         | 95211         | 1.76%           | 0.251%        |
| 34        | 10.210      | 1378          | 1381        | 1384         | rBV3     | 8293           | 8855          | 0.16%           | 0.023%        |

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 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 35 | 10.316 | 1396 | 1399 | 1403 | rBV  | 2235398 | 1945789 | 35.97%  | 5.121%  |
| 36 | 10.345 | 1403 | 1404 | 1409 | rVB  | 27789   | 14996   | 0.28%   | 0.039%  |
| 37 | 10.393 | 1409 | 1412 | 1419 | rBV  | 280326  | 257274  | 4.76%   | 0.677%  |
| 38 | 10.445 | 1419 | 1421 | 1429 | rVB  | 33285   | 33228   | 0.61%   | 0.087%  |
| 39 | 10.687 | 1459 | 1462 | 1464 | rBV2 | 6716    | 6760    | 0.12%   | 0.018%  |
| 40 | 10.716 | 1464 | 1467 | 1470 | rVV4 | 8839    | 10888   | 0.20%   | 0.029%  |
| 41 | 10.745 | 1470 | 1472 | 1476 | rVB2 | 11498   | 9750    | 0.18%   | 0.026%  |
| 42 | 10.869 | 1489 | 1493 | 1495 | rBV  | 18599   | 17302   | 0.32%   | 0.046%  |
| 43 | 11.034 | 1518 | 1521 | 1525 | rBV  | 24387   | 22314   | 0.41%   | 0.059%  |
| 44 | 11.110 | 1531 | 1534 | 1537 | rVB4 | 5198    | 5421    | 0.10%   | 0.014%  |
| 45 | 11.169 | 1542 | 1544 | 1546 | rBV  | 11224   | 9719    | 0.18%   | 0.026%  |
| 46 | 11.292 | 1561 | 1565 | 1569 | rBV  | 2098034 | 1753442 | 32.41%  | 4.615%  |
| 47 | 11.351 | 1571 | 1575 | 1578 | rBV  | 2344206 | 1891075 | 34.96%  | 4.977%  |
| 48 | 11.516 | 1601 | 1603 | 1608 | rBV5 | 6056    | 7447    | 0.14%   | 0.020%  |
| 49 | 11.834 | 1654 | 1657 | 1661 | rBV2 | 62510   | 68788   | 1.27%   | 0.181%  |
| 50 | 11.916 | 1668 | 1671 | 1676 | rBV3 | 26379   | 23232   | 0.43%   | 0.061%  |
| 51 | 12.087 | 1698 | 1700 | 1702 | rBV3 | 12272   | 12427   | 0.23%   | 0.033%  |
| 52 | 12.287 | 1731 | 1734 | 1738 | rBV  | 55338   | 53394   | 0.99%   | 0.141%  |
| 53 | 12.357 | 1744 | 1746 | 1749 | rBV2 | 14674   | 14360   | 0.27%   | 0.038%  |
| 54 | 12.498 | 1768 | 1770 | 1772 | rBV  | 19185   | 18252   | 0.34%   | 0.048%  |
| 55 | 12.522 | 1772 | 1774 | 1777 | rVB  | 61740   | 47020   | 0.87%   | 0.124%  |
| 56 | 12.563 | 1779 | 1781 | 1784 | rBV2 | 15633   | 14112   | 0.26%   | 0.037%  |
| 57 | 12.657 | 1795 | 1797 | 1800 | rBV  | 31296   | 29450   | 0.54%   | 0.078%  |
| 58 | 12.734 | 1806 | 1810 | 1816 | rBV  | 2599444 | 2219729 | 41.03%  | 5.842%  |
| 59 | 12.781 | 1816 | 1818 | 1820 | rVB  | 17914   | 13743   | 0.25%   | 0.036%  |
| 60 | 13.381 | 1918 | 1920 | 1924 | rBV  | 44575   | 41489   | 0.77%   | 0.109%  |
| 61 | 13.492 | 1936 | 1939 | 1941 | rVB  | 36106   | 32020   | 0.59%   | 0.084%  |
| 62 | 13.528 | 1942 | 1945 | 1949 | rVB  | 66631   | 59344   | 1.10%   | 0.156%  |
| 63 | 13.816 | 1991 | 1994 | 2002 | rBV  | 425836  | 528731  | 9.77%   | 1.392%  |
| 64 | 13.957 | 2014 | 2018 | 2023 | rBV2 | 4735771 | 5409983 | 100.00% | 14.238% |
| 65 | 14.145 | 2047 | 2050 | 2054 | rVB  | 85106   | 69930   | 1.29%   | 0.184%  |
| 66 | 14.457 | 2100 | 2103 | 2107 | rBV2 | 163535  | 194017  | 3.59%   | 0.511%  |
| 67 | 14.575 | 2119 | 2123 | 2127 | rBV  | 3689169 | 3713864 | 68.65%  | 9.774%  |
| 68 | 14.763 | 2151 | 2155 | 2159 | rBV  | 909250  | 885052  | 16.36%  | 2.329%  |
| 69 | 15.104 | 2210 | 2213 | 2221 | rVB2 | 175167  | 223827  | 4.14%   | 0.589%  |
| 70 | 15.357 | 2251 | 2256 | 2266 | rVB  | 1607650 | 2002532 | 37.02%  | 5.270%  |
| 71 | 15.445 | 2267 | 2271 | 2275 | rVV  | 1389299 | 1721280 | 31.82%  | 4.530%  |

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|----|--------|------|------|------|------|--------|--------|-------|--------|
| 72 | 15.486 | 2275 | 2278 | 2288 | rVB3 | 164484 | 250735 | 4.63% | 0.660% |
| 73 | 15.922 | 2349 | 2352 | 2357 | rVB  | 148926 | 204130 | 3.77% | 0.537% |

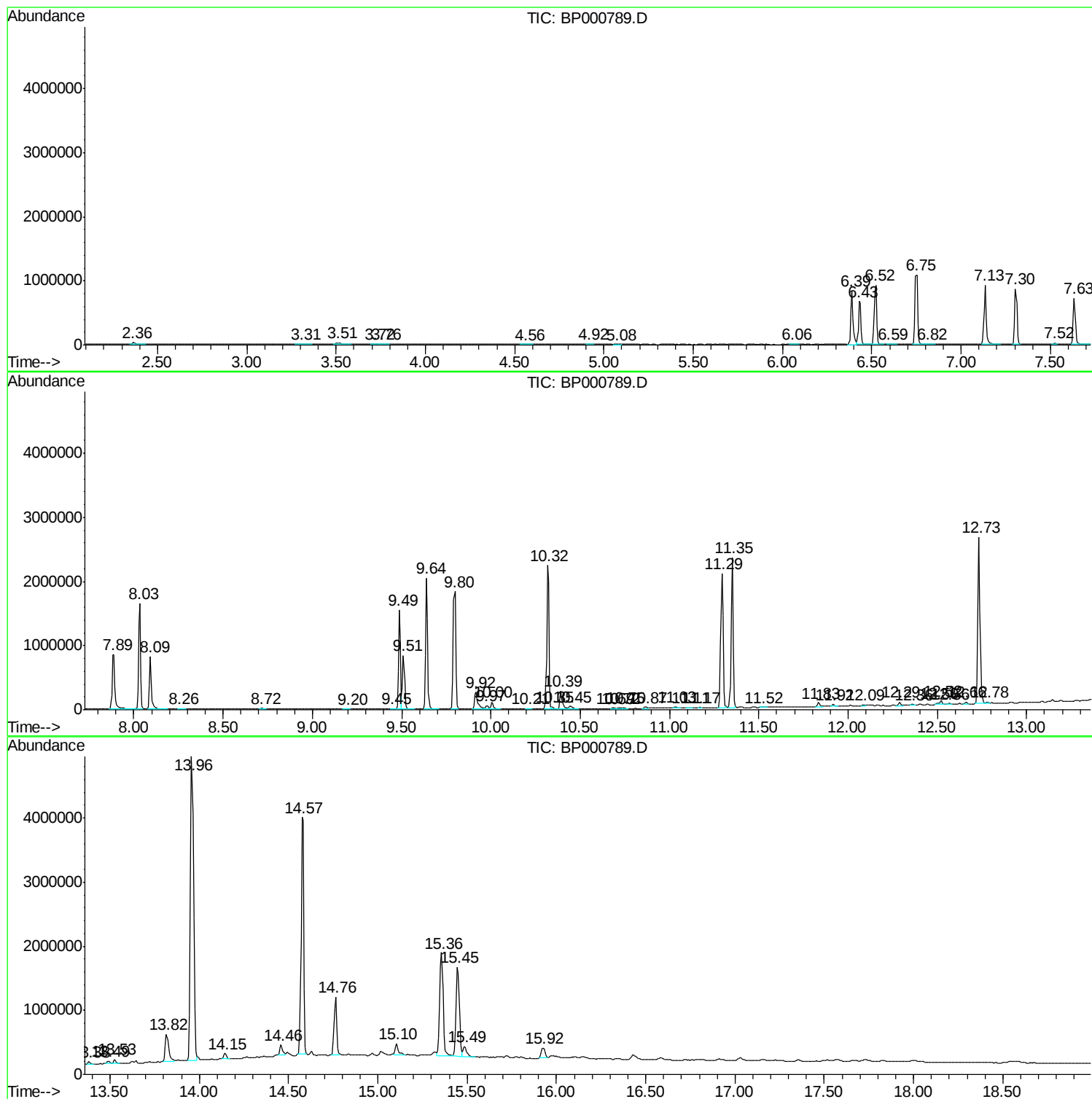
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\SOM-EPA-BP100919MA.M  
Quant Title : SVOA CALIBRATION

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



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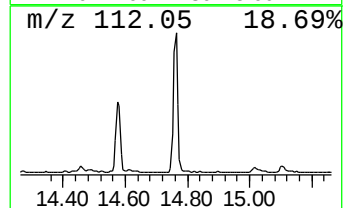
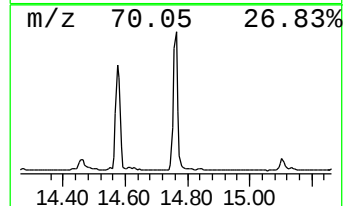
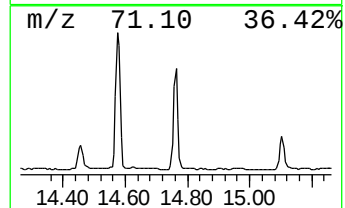
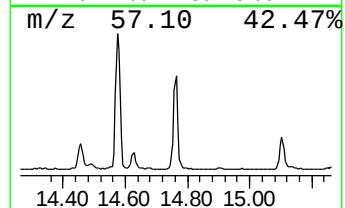
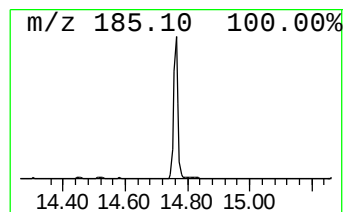
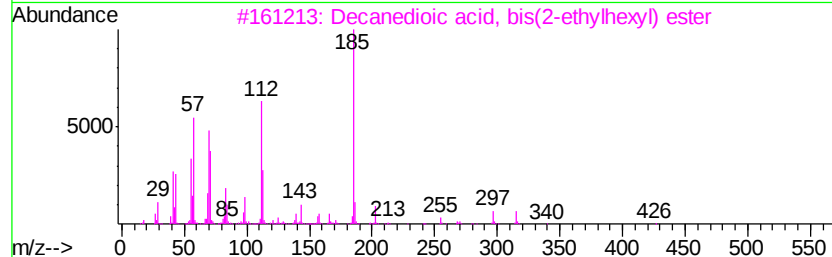
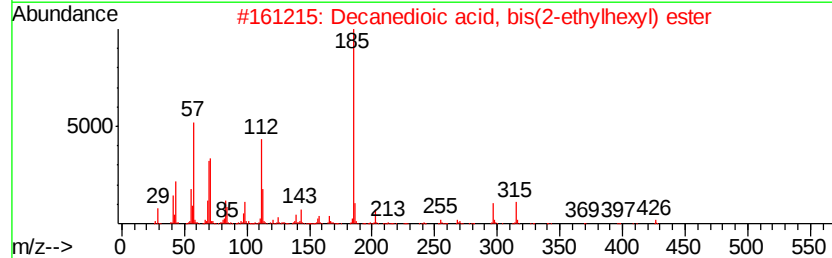
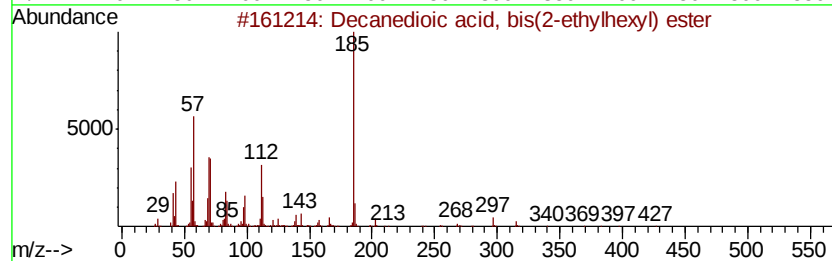
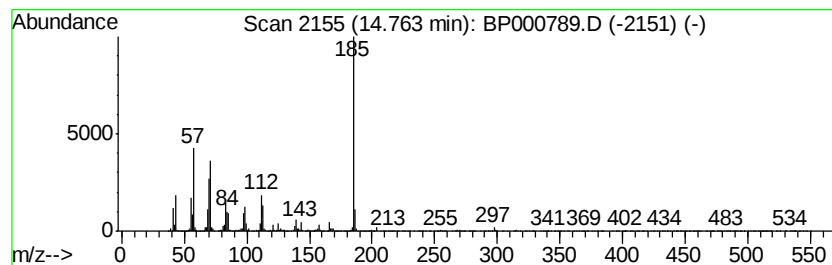
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Decanedioic acid, bis(2-eth... Concentration Rank 1

| R.T.  | EstConc     | Area   | Relative to ISTD | R.T.  |
|-------|-------------|--------|------------------|-------|
| 14.76 | 10.28 ng/ul | 885052 | Perylene-d12     | 15.45 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Decanedioic acid, bis(2-ethylhex... | 426 | C26H50O4  | 000122-62-3  | 87   |
| 2    |    | Decanedioic acid, bis(2-ethylhex... | 426 | C26H50O4  | 000122-62-3  | 80   |
| 3    |    | Decanedioic acid, bis(2-ethylhex... | 426 | C26H50O4  | 000122-62-3  | 40   |
| 4    |    | 1,4-Dioxaspiro[4,5]decane-7,9-di... | 328 | C16H24O7  | 1000266-69-5 | 37   |
| 5    |    | 1-Ethyl-1-(4-methylpentyloxy)-1-... | 214 | C12H26OSi | 1000282-46-5 | 37   |



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Quant Title : SVOA CALIBRATION

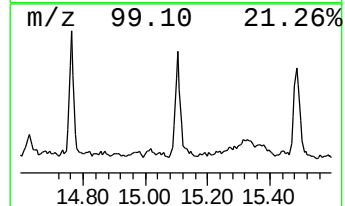
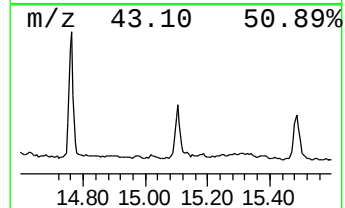
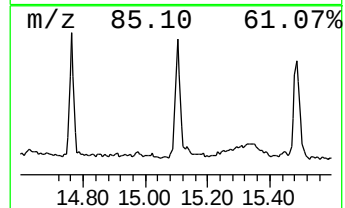
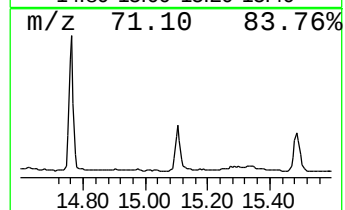
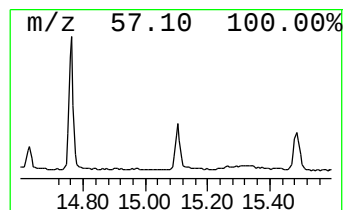
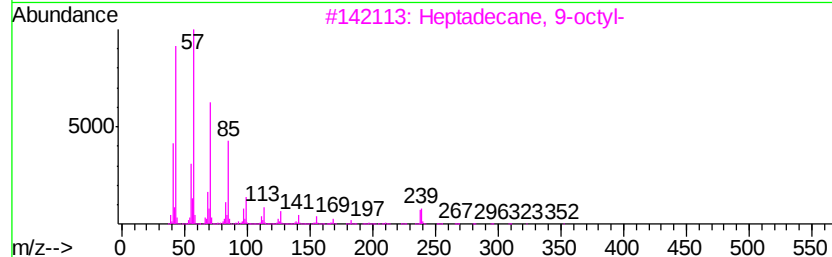
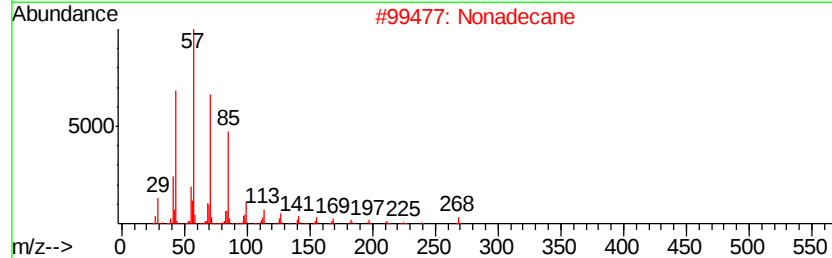
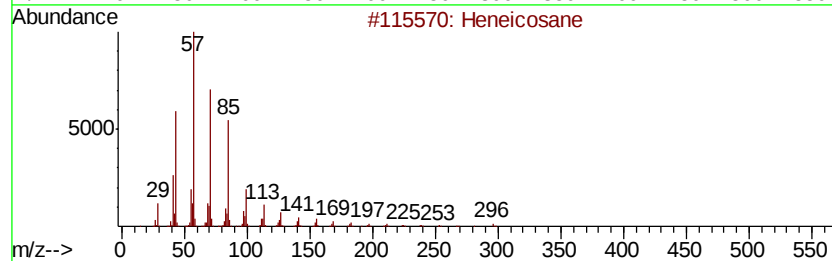
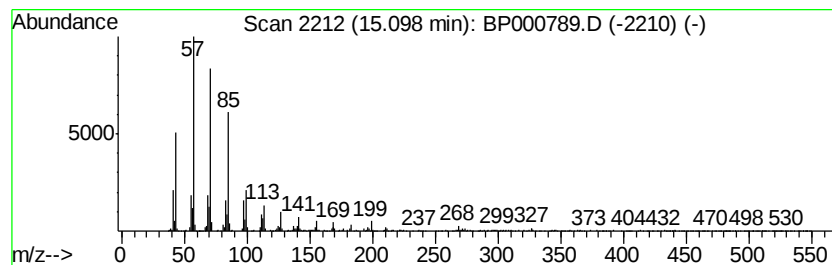
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 15.10 | 2.60 ng/ul | 223827 | Perylene-d12     | 15.45 |

| Hit# | of | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------|-----|---------|-------------|------|
| 1    | 5  | Heneicosane             | 296 | C21H44  | 000629-94-7 | 97   |
| 2    |    | Nonadecane              | 268 | C19H40  | 000629-92-5 | 95   |
| 3    |    | Heptadecane, 9-octyl-   | 352 | C25H52  | 007225-64-1 | 91   |
| 4    |    | Dodecane, 4,6-dimethyl- | 198 | C14H30  | 061141-72-8 | 90   |
| 5    |    | Docosane, 11-butyl-     | 366 | C26H54  | 013475-76-8 | 87   |



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 Quant Title : SVOA CALIBRATION

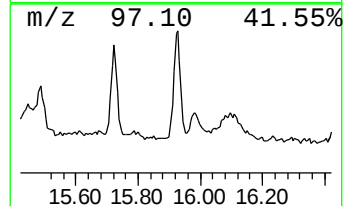
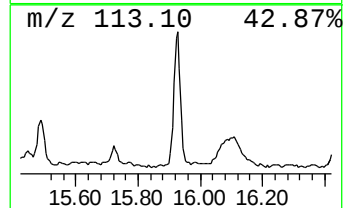
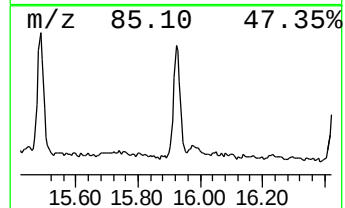
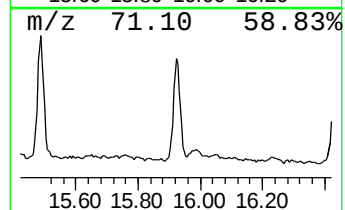
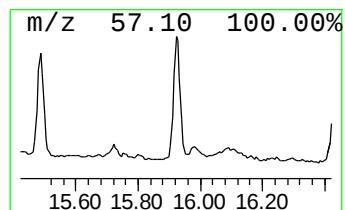
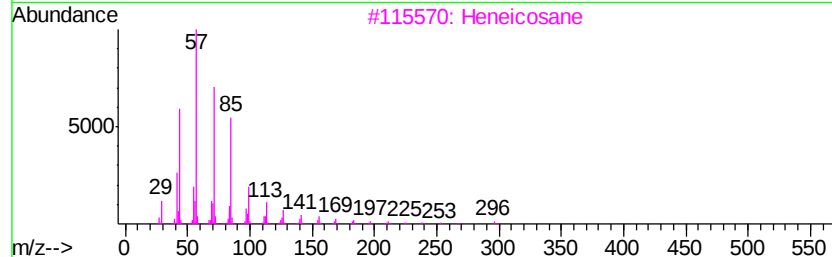
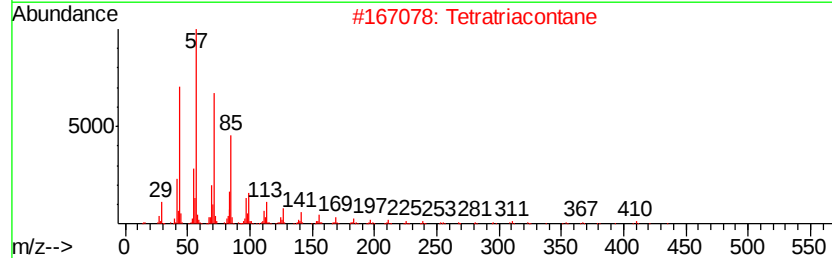
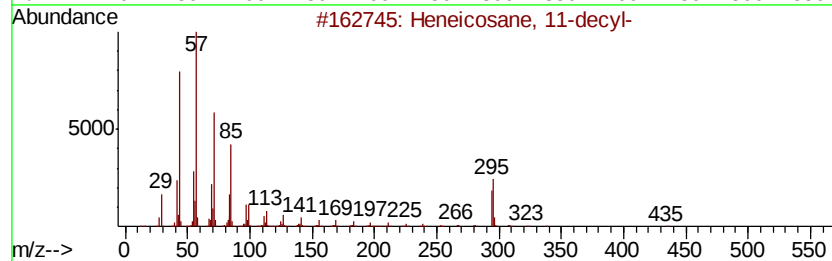
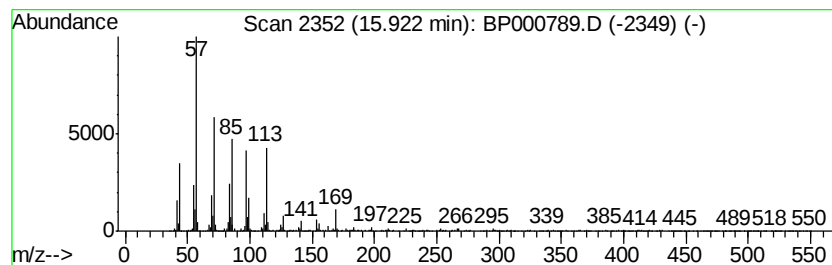
TIC Library : C:\DATABASE\NIST02.L  
 TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 15.92 | 2.37 ng/ul | 204130 | Perylene-d12     | 15.45 |

| Hit# | of | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------|-----|---------|-------------|------|
| 1    | 5  | Heneicosane, 11-decyl-  | 437 | C31H64  | 055320-06-4 | 70   |
| 2    |    | Tetratriacontane        | 479 | C34H70  | 014167-59-0 | 53   |
| 3    |    | Heneicosane             | 296 | C21H44  | 000629-94-7 | 49   |
| 4    |    | 1-Iodo-2-methylundecane | 296 | C12H25I | 073105-67-6 | 49   |
| 5    |    | Hentriacontane          | 437 | C31H64  | 000630-04-6 | 49   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_P\DATA\BP101619\  
Data File : BP000789.D  
Acq On : 16 Oct 2019 00:37  
Operator : JU  
Sample : K5178-16  
Misc :  
ALS Vial : 37 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
BEPD5

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 |
| Decanedioic acid,... | 14.76 | 10.3    | ng/ul | 885052   | 6                     | 15.45 | 1721280 | 20.0 |
| (DEL) Alkane: Str... | 15.10 | 2.6     | ng/ul | 223827   | 6                     | 15.45 | 1721280 | 20.0 |
| (DEL) Alkane: Str... | 15.92 | 2.4     | ng/ul | 204130   | 6                     | 15.45 | 1721280 | 20.0 |