

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092317\  
 Data File : BF098761.D  
 Acq On : 24 Sep 2017 1:43  
 Operator : SJ/JU  
 Sample : I5360-11 5X  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-1-F-COMP

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % 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:\HPCHEM1\BNA\_F\METHODS\8270-BF092317.M

Title : ASP BNA STANDARDS FOR 5 POINT 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         | 4.022       | 321           | 329         | 336          | rBV      | 102571         | 127300        | 9.09%           | 0.606%        |
| 2         | 5.134       | 515           | 518         | 525          | rVB      | 93431          | 99440         | 7.10%           | 0.474%        |
| 3         | 5.410       | 561           | 565         | 570          | rVB      | 62162          | 54158         | 3.87%           | 0.258%        |
| 4         | 5.528       | 576           | 585         | 592          | rBV2     | 692881         | 809326        | 57.79%          | 3.855%        |
| 5         | 5.775       | 618           | 627         | 631          | rBV2     | 158211         | 232451        | 16.60%          | 1.107%        |
| 6         | 6.451       | 738           | 742         | 744          | rBV      | 70776          | 66288         | 4.73%           | 0.316%        |
| 7         | 6.481       | 744           | 747         | 751          | rVV      | 57800          | 48827         | 3.49%           | 0.233%        |
| 8         | 6.533       | 751           | 756         | 764          | rVB2     | 678555         | 634096        | 45.28%          | 3.020%        |
| 9         | 6.686       | 777           | 782         | 788          | rBV      | 731990         | 593049        | 42.35%          | 2.825%        |
| 10        | 6.745       | 788           | 792         | 797          | rVB2     | 328618         | 317738        | 22.69%          | 1.513%        |
| 11        | 6.922       | 818           | 822         | 828          | rBV      | 960916         | 791059        | 56.49%          | 3.768%        |
| 12        | 6.981       | 828           | 832         | 836          | rBV      | 81153          | 76446         | 5.46%           | 0.364%        |
| 13        | 7.075       | 841           | 848         | 857          | rVV      | 505873         | 470379        | 33.59%          | 2.240%        |
| 14        | 7.192       | 861           | 868         | 872          | rVV3     | 38118          | 56096         | 4.01%           | 0.267%        |
| 15        | 7.239       | 872           | 876         | 883          | rVB      | 56161          | 56441         | 4.03%           | 0.269%        |
| 16        | 7.475       | 908           | 916         | 920          | rBV      | 356835         | 372168        | 26.58%          | 1.773%        |
| 17        | 7.945       | 988           | 996         | 1001         | rBV3     | 54431          | 103050        | 7.36%           | 0.491%        |
| 18        | 8.104       | 1020          | 1023        | 1026         | rBV      | 74956          | 65366         | 4.67%           | 0.311%        |
| 19        | 8.204       | 1032          | 1040        | 1042         | rBV      | 1187212        | 1027793       | 73.40%          | 4.896%        |
| 20        | 8.916       | 1157          | 1161        | 1167         | rVB      | 222137         | 164335        | 11.74%          | 0.783%        |
| 21        | 9.016       | 1174          | 1178        | 1181         | rBV      | 135490         | 110026        | 7.86%           | 0.524%        |
| 22        | 9.274       | 1216          | 1222        | 1226         | rVB      | 717883         | 551358        | 39.37%          | 2.626%        |
| 23        | 9.539       | 1261          | 1267        | 1272         | rBV2     | 41833          | 56458         | 4.03%           | 0.269%        |
| 24        | 9.616       | 1276          | 1280        | 1282         | rVV      | 76587          | 71779         | 5.13%           | 0.342%        |
| 25        | 9.669       | 1286          | 1289        | 1296         | rVB2     | 81318          | 89710         | 6.41%           | 0.427%        |
| 26        | 9.733       | 1296          | 1300        | 1308         | rBV      | 37605          | 45607         | 3.26%           | 0.217%        |
| 27        | 9.822       | 1309          | 1315        | 1318         | rBV      | 91496          | 87670         | 6.26%           | 0.418%        |
| 28        | 9.957       | 1331          | 1338        | 1342         | rBV      | 869943         | 835832        | 59.69%          | 3.981%        |
| 29        | 9.992       | 1342          | 1344        | 1348         | rVB      | 139950         | 102183        | 7.30%           | 0.487%        |
| 30        | 10.163      | 1368          | 1373        | 1376         | rVB2     | 105384         | 101338        | 7.24%           | 0.483%        |
| 31        | 10.380      | 1403          | 1410        | 1413         | rBV3     | 51574          | 67520         | 4.82%           | 0.322%        |
| 32        | 10.504      | 1428          | 1431        | 1437         | rBV      | 110487         | 108175        | 7.72%           | 0.515%        |
| 33        | 10.745      | 1466          | 1472        | 1476         | rBV      | 282892         | 267420        | 19.10%          | 1.274%        |
| 34        | 10.868      | 1487          | 1493        | 1499         | rVB3     | 69619          | 94256         | 6.73%           | 0.449%        |

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Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-1-F-COMP

Integration Parameters: rteint.p  
 Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 3 % 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:\HPCHEM1\BNA\_F\METHODS\8270-BF092317.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 35 | 11.051 | 1518 | 1524 | 1527 | rBV3 | 46144   | 69099   | 4.93%   | 0.329% |
| 36 | 11.245 | 1554 | 1557 | 1561 | rVB2 | 48576   | 50738   | 3.62%   | 0.242% |
| 37 | 11.304 | 1562 | 1567 | 1569 | rVV3 | 44455   | 59988   | 4.28%   | 0.286% |
| 38 | 11.339 | 1570 | 1573 | 1578 | rVB2 | 58359   | 74062   | 5.29%   | 0.353% |
| 39 | 11.445 | 1587 | 1591 | 1593 | rBV  | 886909  | 743338  | 53.08%  | 3.541% |
| 40 | 11.468 | 1593 | 1595 | 1599 | rVV  | 710525  | 557735  | 39.83%  | 2.657% |
| 41 | 11.521 | 1601 | 1604 | 1607 | rVV  | 261894  | 206430  | 14.74%  | 0.983% |
| 42 | 11.551 | 1607 | 1609 | 1615 | rVB3 | 41800   | 48653   | 3.47%   | 0.232% |
| 43 | 11.674 | 1624 | 1630 | 1636 | rBV  | 79532   | 126143  | 9.01%   | 0.601% |
| 44 | 11.739 | 1636 | 1641 | 1644 | rVV3 | 41781   | 74397   | 5.31%   | 0.354% |
| 45 | 11.774 | 1644 | 1647 | 1653 | rVB  | 48907   | 54825   | 3.92%   | 0.261% |
| 46 | 11.945 | 1672 | 1676 | 1679 | rBV  | 119347  | 133048  | 9.50%   | 0.634% |
| 47 | 11.974 | 1679 | 1681 | 1685 | rVB  | 173464  | 141826  | 10.13%  | 0.676% |
| 48 | 12.021 | 1685 | 1689 | 1692 | rBV  | 81216   | 82280   | 5.88%   | 0.392% |
| 49 | 12.057 | 1692 | 1695 | 1704 | rVB2 | 229069  | 341133  | 24.36%  | 1.625% |
| 50 | 12.239 | 1722 | 1726 | 1729 | rBV2 | 87926   | 94119   | 6.72%   | 0.448% |
| 51 | 12.263 | 1729 | 1730 | 1737 | rVB5 | 62845   | 61250   | 4.37%   | 0.292% |
| 52 | 12.392 | 1746 | 1752 | 1754 | rBV3 | 53866   | 76363   | 5.45%   | 0.364% |
| 53 | 12.421 | 1754 | 1757 | 1759 | rVV  | 62595   | 47399   | 3.38%   | 0.226% |
| 54 | 12.498 | 1767 | 1770 | 1772 | rBV  | 117548  | 120786  | 8.63%   | 0.575% |
| 55 | 12.527 | 1773 | 1775 | 1781 | rVB2 | 84098   | 126366  | 9.02%   | 0.602% |
| 56 | 12.580 | 1781 | 1784 | 1789 | rBV2 | 102106  | 122612  | 8.76%   | 0.584% |
| 57 | 12.663 | 1793 | 1798 | 1801 | rBV  | 1289647 | 1097363 | 78.36%  | 5.227% |
| 58 | 12.704 | 1802 | 1805 | 1810 | rVB5 | 54057   | 80339   | 5.74%   | 0.383% |
| 59 | 12.810 | 1821 | 1823 | 1830 | rVB3 | 71232   | 102547  | 7.32%   | 0.488% |
| 60 | 12.892 | 1830 | 1837 | 1842 | rBV  | 1349513 | 1400355 | 100.00% | 6.670% |
| 61 | 12.939 | 1842 | 1845 | 1849 | rVB2 | 65623   | 75703   | 5.41%   | 0.361% |
| 62 | 13.027 | 1853 | 1860 | 1867 | rVB2 | 582070  | 663992  | 47.42%  | 3.163% |
| 63 | 13.104 | 1869 | 1873 | 1880 | rBV5 | 109818  | 215781  | 15.41%  | 1.028% |
| 64 | 13.215 | 1885 | 1892 | 1895 | rVB  | 197306  | 278965  | 19.92%  | 1.329% |
| 65 | 13.251 | 1896 | 1898 | 1901 | rBV4 | 43307   | 53627   | 3.83%   | 0.255% |
| 66 | 13.280 | 1901 | 1903 | 1905 | rBV  | 119497  | 101088  | 7.22%   | 0.481% |
| 67 | 13.304 | 1905 | 1907 | 1913 | rVB3 | 143508  | 233097  | 16.65%  | 1.110% |
| 68 | 13.415 | 1923 | 1926 | 1928 | rVB  | 95147   | 76162   | 5.44%   | 0.363% |
| 69 | 13.445 | 1928 | 1931 | 1934 | rBV2 | 106049  | 103311  | 7.38%   | 0.492% |
| 70 | 13.721 | 1976 | 1978 | 1983 | rVB  | 109234  | 105875  | 7.56%   | 0.504% |
| 71 | 13.839 | 1994 | 1998 | 2000 | rBV2 | 105502  | 124726  | 8.91%   | 0.594% |

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Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SP-1-F-COMP

Integration Parameters: rteint.p  
Integrator: RTE  
Smoothing : ON Filtering: 5  
Sampling : 1 Min Area: 3 % of largest Peak  
Start Thrs: 0.2 Max Peaks: 100  
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
Peak separation: 5

Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF092317.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 72 | 14.086 | 2034 | 2040 | 2043 | rBV2 | 958188 | 1380417 | 98.58% | 6.575% |
| 73 | 14.115 | 2043 | 2045 | 2052 | rVB  | 490589 | 444660  | 31.75% | 2.118% |
| 74 | 15.139 | 2215 | 2219 | 2227 | rBV  | 378332 | 811385  | 57.94% | 3.865% |
| 75 | 15.456 | 2270 | 2273 | 2278 | rVB  | 214620 | 274846  | 19.63% | 1.309% |
| 76 | 15.515 | 2280 | 2283 | 2290 | rVV  | 292737 | 406445  | 29.02% | 1.936% |
| 77 | 15.586 | 2290 | 2295 | 2306 | rVB2 | 460226 | 796173  | 56.86% | 3.792% |

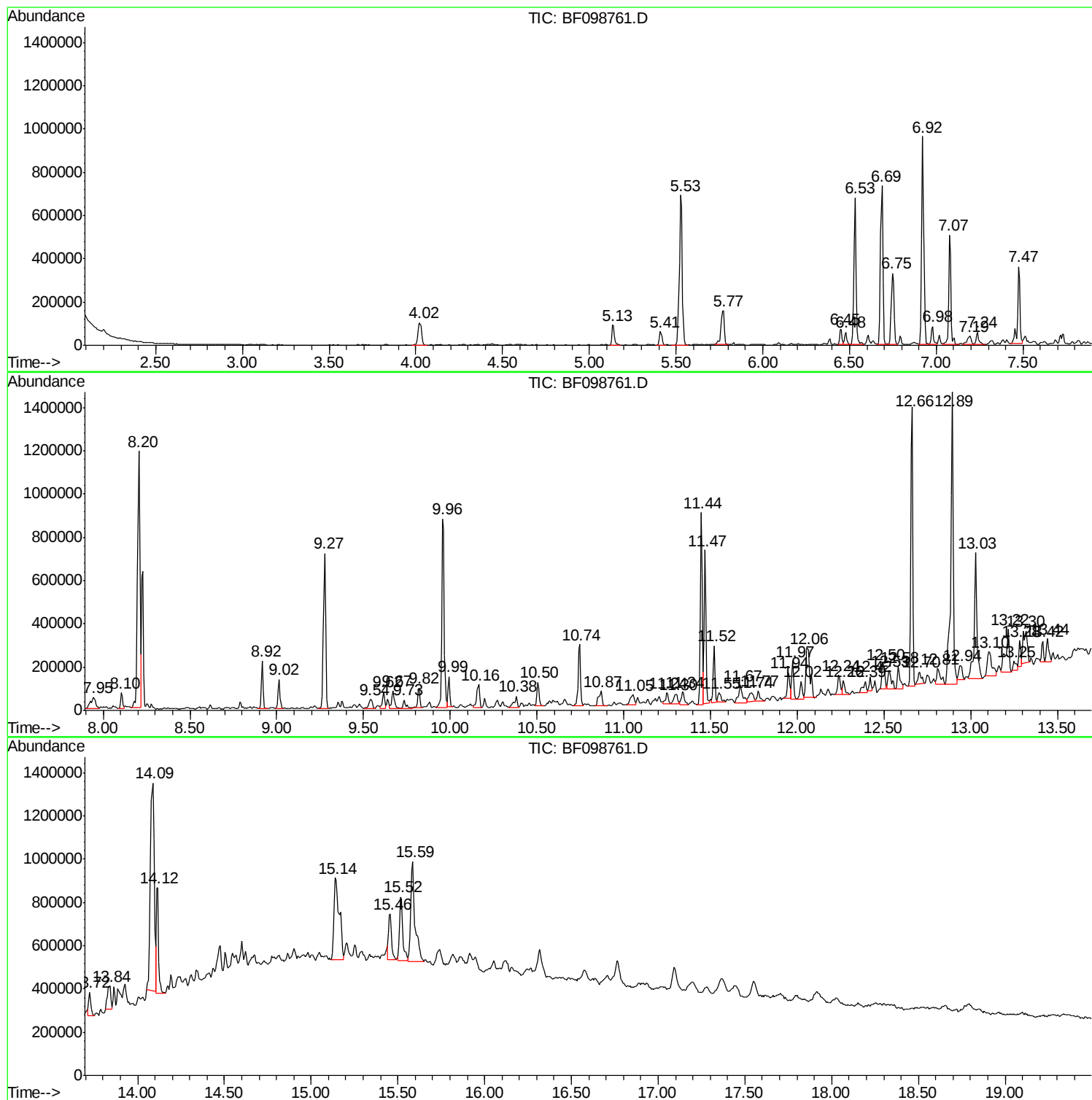
Sum of corrected areas: 20994585

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Instrument :  
BNA\_F  
ClientSampled :  
SP-1-F-COMP

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: rteint.p



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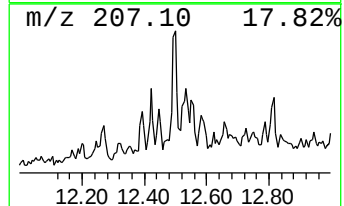
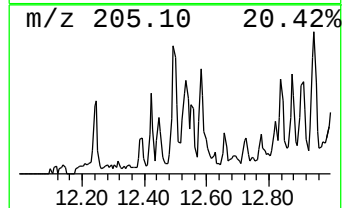
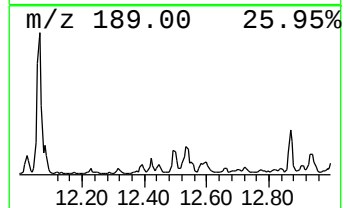
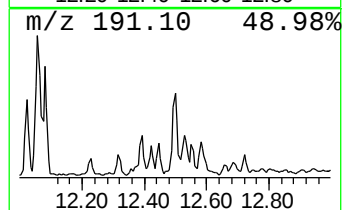
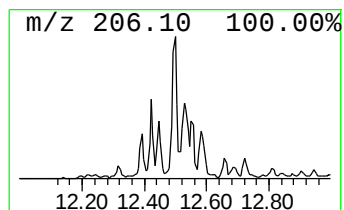
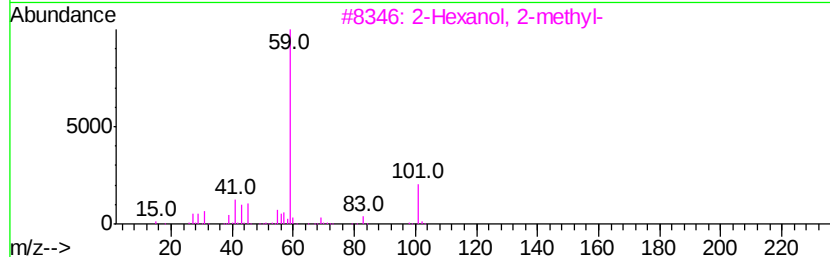
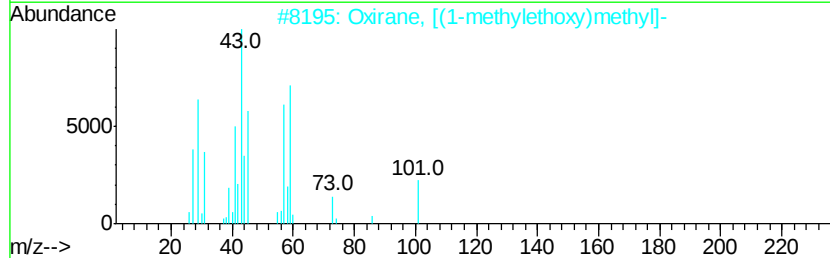
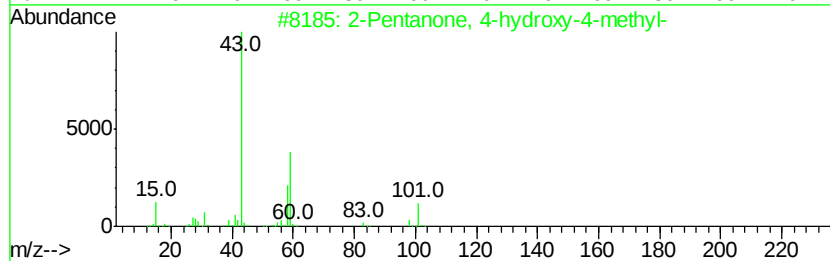
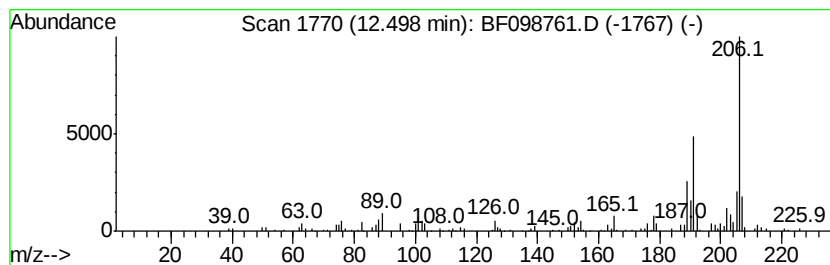
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: rteint.p

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Peak Number 1 unknown12.50 Concentration Rank 1

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 12.50 | 3.27 ng | 121494 | Phenanthrene-d10 | 11.44 |

| Hit# | of                                 | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|------------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | 2-Pentanone, 4-hydroxy-4-methyl-   | 116 | C6H12O2      | 000123-42-2 | 45      |      |      |
| 2    | Oxirane, [(1-methylethoxy)methyl]- | 116 | C6H12O2      | 004016-14-2 | 36      |      |      |
| 3    | 2-Hexanol, 2-methyl-               | 116 | C7H16O       | 000625-23-0 | 28      |      |      |
| 4    | Diacetamide                        | 101 | C4H7NO2      | 000625-77-4 | 9       |      |      |
| 5    | 3,3-Dimethylbutylamine             | 101 | C6H15N       | 015673-00-4 | 9       |      |      |



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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF092317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: rteint.p

| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                  |       |         |       |          | #                     | RT    | Resp   | Conc |
| unknown12.50     | 12.50 | 3.3     | ng    | 121494   | 4                     | 11.44 | 743338 | 20.0 |