

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052621\  
 Data File : BF124087.D  
 Acq On : 27 May 2021 3:42  
 Operator : JU/CG  
 Sample : M2521-01 10X  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HR-01-052521

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:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF051421.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF124087.D\data.ms

| 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         | 2.163       | 9             | 13          | 18           | rBV      | 44628          | 55846         | 14.86%          | 1.151%        |
| 2         | 5.098       | 508           | 512         | 518          | rBV      | 41879          | 39626         | 10.54%          | 0.817%        |
| 3         | 5.504       | 577           | 581         | 589          | rVB      | 96961          | 89542         | 23.82%          | 1.846%        |
| 4         | 5.804       | 629           | 632         | 635          | rVB      | 16349          | 15115         | 4.02%           | 0.312%        |
| 5         | 6.145       | 687           | 690         | 695          | rVB3     | 12772          | 17253         | 4.59%           | 0.356%        |
| 6         | 6.334       | 718           | 722         | 724          | rBV2     | 9369           | 10457         | 2.78%           | 0.216%        |
| 7         | 6.422       | 734           | 737         | 740          | rBV3     | 22211          | 22746         | 6.05%           | 0.469%        |
| 8         | 6.481       | 744           | 747         | 750          | rBV2     | 15807          | 21212         | 5.64%           | 0.437%        |
| 9         | 6.510       | 750           | 752         | 761          | rVV      | 93718          | 96887         | 25.77%          | 1.997%        |
| 10        | 6.575       | 761           | 763         | 769          | rVB2     | 5722           | 10254         | 2.73%           | 0.211%        |
| 11        | 6.634       | 769           | 773         | 778          | rBV4     | 13800          | 21705         | 5.77%           | 0.447%        |
| 12        | 6.728       | 785           | 789         | 793          | rBV2     | 109908         | 112486        | 29.92%          | 2.319%        |
| 13        | 6.892       | 813           | 817         | 823          | rVB      | 423956         | 359415        | 95.61%          | 7.409%        |
| 14        | 6.951       | 823           | 827         | 830          | rVB2     | 21854          | 19808         | 5.27%           | 0.408%        |
| 15        | 7.039       | 839           | 842         | 846          | rVB2     | 35303          | 30389         | 8.08%           | 0.626%        |
| 16        | 7.169       | 861           | 864         | 866          | rVB      | 48490          | 36874         | 9.81%           | 0.760%        |
| 17        | 7.198       | 866           | 869         | 873          | rBV3     | 24873          | 38402         | 10.22%          | 0.792%        |
| 18        | 7.228       | 873           | 874         | 878          | rVB2     | 32660          | 26247         | 6.98%           | 0.541%        |
| 19        | 7.281       | 878           | 883         | 887          | rVB3     | 33648          | 46177         | 12.28%          | 0.952%        |
| 20        | 7.316       | 887           | 889         | 894          | rVB3     | 8895           | 9478          | 2.52%           | 0.195%        |
| 21        | 7.381       | 898           | 900         | 903          | rBV3     | 10754          | 9177          | 2.44%           | 0.189%        |
| 22        | 7.428       | 903           | 908         | 909          | rBV2     | 32555          | 30795         | 8.19%           | 0.635%        |
| 23        | 7.445       | 909           | 911         | 914          | rVV      | 61915          | 54572         | 14.52%          | 1.125%        |
| 24        | 7.486       | 915           | 918         | 922          | rVB      | 204658         | 163793        | 43.57%          | 3.377%        |
| 25        | 7.539       | 922           | 927         | 930          | rVB5     | 28016          | 40585         | 10.80%          | 0.837%        |
| 26        | 7.581       | 930           | 934         | 935          | rBV2     | 13932          | 17442         | 4.64%           | 0.360%        |
| 27        | 7.592       | 935           | 936         | 941          | rVB4     | 14424          | 17199         | 4.58%           | 0.355%        |
| 28        | 7.645       | 941           | 945         | 947          | rBV5     | 7658           | 11958         | 3.18%           | 0.247%        |
| 29        | 7.675       | 947           | 950         | 951          | rBV      | 16262          | 14826         | 3.94%           | 0.306%        |
| 30        | 7.775       | 963           | 967         | 968          | rBV2     | 11616          | 11745         | 3.12%           | 0.242%        |
| 31        | 7.792       | 968           | 970         | 972          | rVV2     | 30722          | 27343         | 7.27%           | 0.564%        |
| 32        | 7.816       | 972           | 974         | 978          | rVV4     | 17890          | 24425         | 6.50%           | 0.504%        |
| 33        | 7.851       | 978           | 980         | 983          | rVV2     | 25586          | 28914         | 7.69%           | 0.596%        |
| 34        | 7.892       | 983           | 987         | 989          | rVV4     | 24511          | 25557         | 6.80%           | 0.527%        |
| 35        | 7.922       | 989           | 992         | 995          | rVV3     | 33691          | 48539         | 12.91%          | 1.001%        |
| 36        | 7.969       | 997           | 1000        | 1002         | rVV2     | 22282          | 19138         | 5.09%           | 0.395%        |

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 Sample : M2521-01 10X  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HR-01-052521

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:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF051421.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |        |        |         |        |
|----|--------|------|------|------|------|--------|--------|---------|--------|
| 37 | 7.992  | 1002 | 1004 | 1007 | rVV4 | 13575  | 16248  | 4.32%   | 0.335% |
| 38 | 8.045  | 1010 | 1013 | 1016 | rBV4 | 13142  | 15512  | 4.13%   | 0.320% |
| 39 | 8.128  | 1023 | 1027 | 1029 | rBV4 | 11179  | 17221  | 4.58%   | 0.355% |
| 40 | 8.157  | 1029 | 1032 | 1033 | rVV  | 174556 | 140839 | 37.46%  | 2.903% |
| 41 | 8.175  | 1033 | 1035 | 1039 | rVV  | 445532 | 373023 | 99.23%  | 7.690% |
| 42 | 8.233  | 1041 | 1045 | 1048 | rVV2 | 53938  | 54359  | 14.46%  | 1.121% |
| 43 | 8.263  | 1048 | 1050 | 1053 | rVV2 | 17384  | 13929  | 3.71%   | 0.287% |
| 44 | 8.375  | 1067 | 1069 | 1073 | rVB5 | 9451   | 11414  | 3.04%   | 0.235% |
| 45 | 8.469  | 1081 | 1085 | 1089 | rVB4 | 31992  | 34894  | 9.28%   | 0.719% |
| 46 | 8.516  | 1091 | 1093 | 1097 | rVV4 | 15412  | 13212  | 3.51%   | 0.272% |
| 47 | 8.551  | 1097 | 1099 | 1103 | rVV4 | 18631  | 18506  | 4.92%   | 0.381% |
| 48 | 8.592  | 1103 | 1106 | 1109 | rVV  | 47575  | 43578  | 11.59%  | 0.898% |
| 49 | 8.680  | 1119 | 1121 | 1123 | rBV2 | 21822  | 16456  | 4.38%   | 0.339% |
| 50 | 8.763  | 1132 | 1135 | 1140 | rVV  | 113791 | 101104 | 26.89%  | 2.084% |
| 51 | 8.833  | 1144 | 1147 | 1149 | rVV3 | 13632  | 17282  | 4.60%   | 0.356% |
| 52 | 8.863  | 1149 | 1152 | 1155 | rVB4 | 18703  | 20497  | 5.45%   | 0.423% |
| 53 | 8.998  | 1173 | 1175 | 1177 | rVB2 | 16214  | 10664  | 2.84%   | 0.220% |
| 54 | 9.051  | 1181 | 1184 | 1185 | rBV2 | 8865   | 8327   | 2.22%   | 0.172% |
| 55 | 9.080  | 1187 | 1189 | 1194 | rVB6 | 8979   | 13585  | 3.61%   | 0.280% |
| 56 | 9.127  | 1194 | 1197 | 1201 | rVB4 | 13334  | 16077  | 4.28%   | 0.331% |
| 57 | 9.192  | 1206 | 1208 | 1214 | rVB2 | 33438  | 38276  | 10.18%  | 0.789% |
| 58 | 9.251  | 1214 | 1218 | 1221 | rBV  | 124165 | 121728 | 32.38%  | 2.509% |
| 59 | 9.327  | 1227 | 1231 | 1236 | rBV  | 71179  | 70422  | 18.73%  | 1.452% |
| 60 | 9.375  | 1236 | 1239 | 1242 | rVV4 | 9635   | 13362  | 3.55%   | 0.275% |
| 61 | 9.404  | 1242 | 1244 | 1248 | rVB4 | 10894  | 11235  | 2.99%   | 0.232% |
| 62 | 9.569  | 1266 | 1272 | 1273 | rBV4 | 6988   | 10260  | 2.73%   | 0.212% |
| 63 | 9.586  | 1273 | 1275 | 1277 | rVV2 | 11832  | 12023  | 3.20%   | 0.248% |
| 64 | 9.610  | 1277 | 1279 | 1282 | rVV3 | 10311  | 10711  | 2.85%   | 0.221% |
| 65 | 9.651  | 1282 | 1286 | 1288 | rVV3 | 33313  | 43385  | 11.54%  | 0.894% |
| 66 | 9.669  | 1288 | 1289 | 1293 | rVV3 | 12636  | 12358  | 3.29%   | 0.255% |
| 67 | 9.863  | 1319 | 1322 | 1325 | rVB  | 38144  | 32674  | 8.69%   | 0.674% |
| 68 | 9.933  | 1330 | 1334 | 1342 | rVB  | 458159 | 375923 | 100.00% | 7.750% |
| 69 | 10.180 | 1373 | 1376 | 1377 | rBV2 | 10035  | 8783   | 2.34%   | 0.181% |
| 70 | 10.357 | 1400 | 1406 | 1409 | rBV  | 27730  | 21480  | 5.71%   | 0.443% |
| 71 | 10.580 | 1440 | 1444 | 1447 | rBV2 | 11690  | 13541  | 3.60%   | 0.279% |
| 72 | 10.721 | 1464 | 1468 | 1474 | rVB  | 47981  | 47763  | 12.71%  | 0.985% |
| 73 | 10.833 | 1485 | 1487 | 1492 | rBV4 | 14697  | 18967  | 5.05%   | 0.391% |
| 74 | 11.280 | 1560 | 1563 | 1567 | rBV4 | 10629  | 15553  | 4.14%   | 0.321% |
| 75 | 11.316 | 1567 | 1569 | 1572 | rVB2 | 11675  | 9224   | 2.45%   | 0.190% |
| 76 | 11.421 | 1583 | 1587 | 1592 | rBV  | 382359 | 326571 | 86.87%  | 6.732% |

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 Operator : JU/CG  
 Sample : M2521-01 10X  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HR-01-052521

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:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF051421.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 77  | 11.710 | 1633 | 1636 | 1642 | rVB5 | 13821  | 14895  | 3.96%  | 0.307% |
| 78  | 11.951 | 1673 | 1677 | 1681 | rVB4 | 6856   | 10294  | 2.74%  | 0.212% |
| 79  | 11.998 | 1681 | 1685 | 1688 | rBV4 | 7784   | 11145  | 2.96%  | 0.230% |
| 80  | 12.039 | 1688 | 1692 | 1694 | rVV4 | 7317   | 8594   | 2.29%  | 0.177% |
| 81  | 12.116 | 1704 | 1705 | 1709 | rVB2 | 13253  | 9897   | 2.63%  | 0.204% |
| 82  | 12.345 | 1742 | 1744 | 1747 | rVV3 | 8758   | 11999  | 3.19%  | 0.247% |
| 83  | 12.410 | 1749 | 1755 | 1756 | rBV6 | 17367  | 22246  | 5.92%  | 0.459% |
| 84  | 12.468 | 1763 | 1765 | 1769 | rBV5 | 8168   | 9901   | 2.63%  | 0.204% |
| 85  | 12.510 | 1769 | 1772 | 1775 | rBV4 | 23186  | 22805  | 6.07%  | 0.470% |
| 86  | 12.615 | 1785 | 1790 | 1791 | rBV5 | 11485  | 13474  | 3.58%  | 0.278% |
| 87  | 12.715 | 1805 | 1807 | 1811 | rBV5 | 8400   | 11576  | 3.08%  | 0.239% |
| 88  | 12.751 | 1811 | 1813 | 1817 | rBV4 | 9397   | 9013   | 2.40%  | 0.186% |
| 89  | 12.780 | 1817 | 1818 | 1822 | rBV4 | 10235  | 14366  | 3.82%  | 0.296% |
| 90  | 12.880 | 1831 | 1835 | 1837 | rBV5 | 18255  | 24570  | 6.54%  | 0.507% |
| 91  | 12.921 | 1840 | 1842 | 1843 | rBV2 | 12212  | 11230  | 2.99%  | 0.232% |
| 92  | 13.004 | 1853 | 1856 | 1860 | rVB  | 126655 | 118739 | 31.59% | 2.448% |
| 93  | 13.080 | 1867 | 1869 | 1872 | rBV4 | 18218  | 19227  | 5.11%  | 0.396% |
| 94  | 13.110 | 1872 | 1874 | 1877 | rBV4 | 10467  | 12907  | 3.43%  | 0.266% |
| 95  | 13.233 | 1893 | 1895 | 1899 | rBV4 | 16086  | 22196  | 5.90%  | 0.458% |
| 96  | 13.410 | 1923 | 1925 | 1926 | rBV2 | 12922  | 10342  | 2.75%  | 0.213% |
| 97  | 13.498 | 1937 | 1940 | 1943 | rBV5 | 30585  | 34027  | 9.05%  | 0.701% |
| 98  | 13.580 | 1952 | 1954 | 1956 | rBV3 | 23137  | 20094  | 5.35%  | 0.414% |
| 99  | 14.068 | 2033 | 2037 | 2043 | rVB  | 299901 | 315981 | 84.05% | 6.514% |
| 100 | 15.562 | 2288 | 2291 | 2303 | rVB  | 178892 | 294481 | 78.34% | 6.071% |

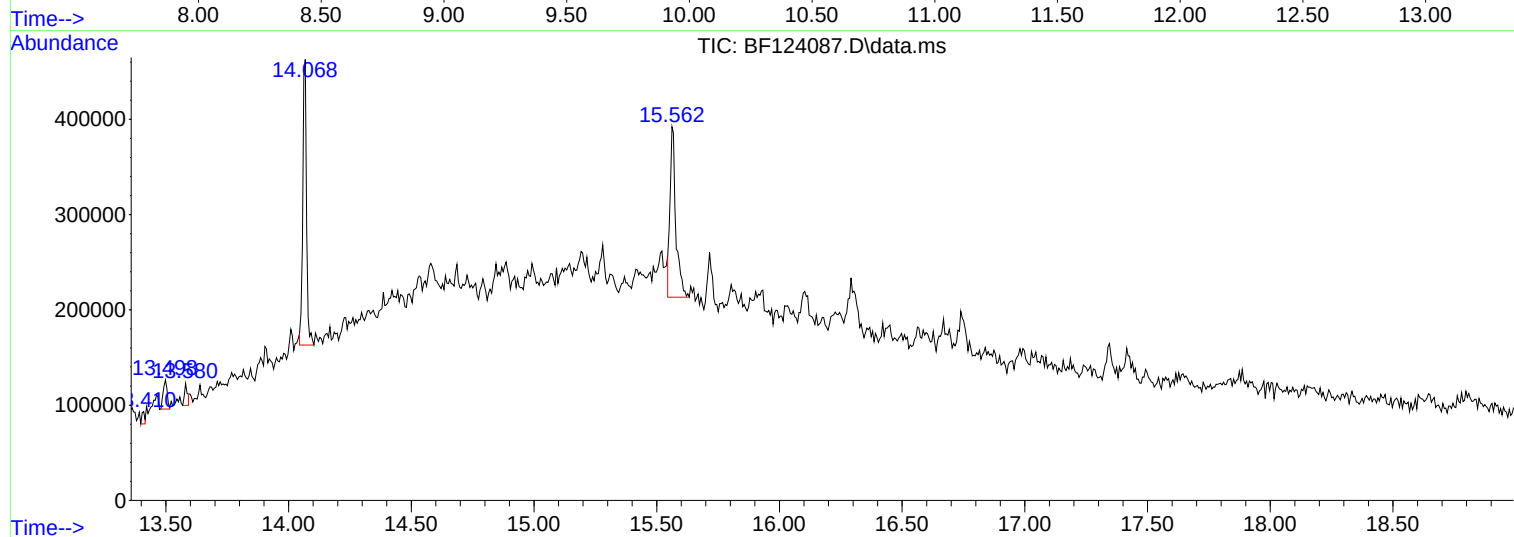
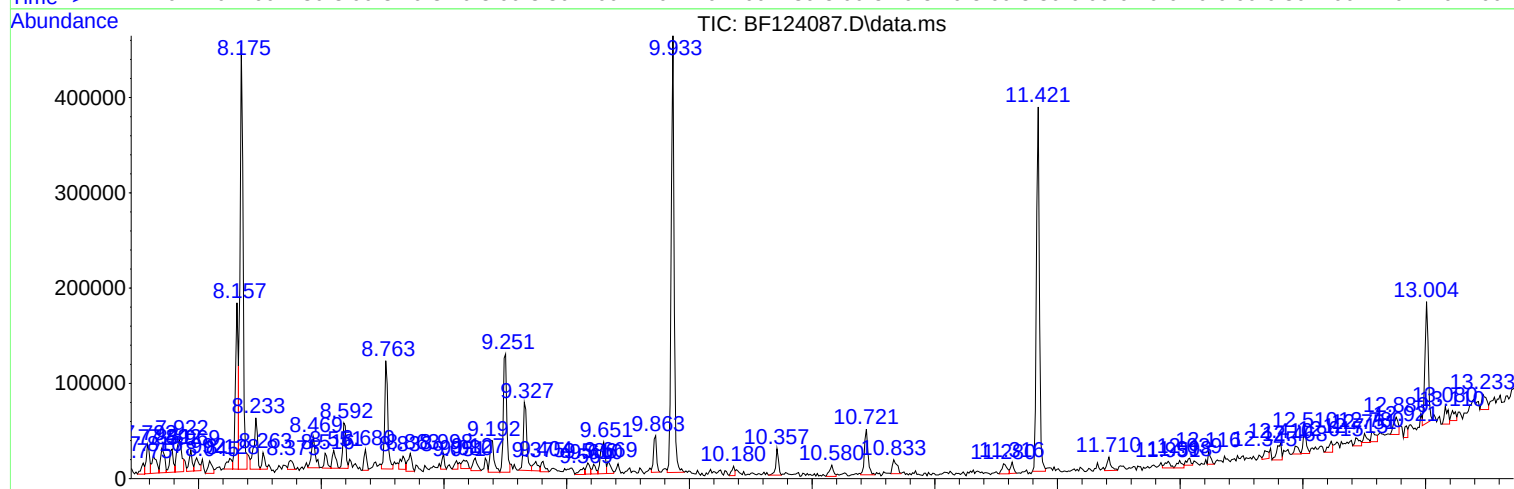
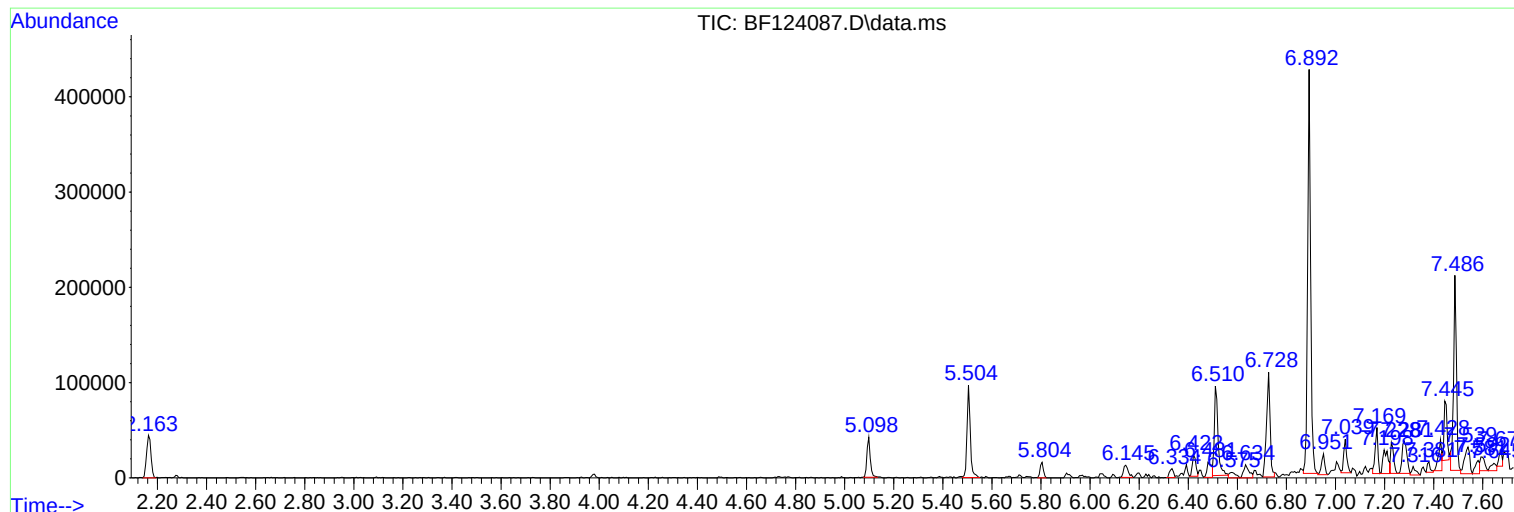
Sum of corrected areas: 4850892

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052621\  
Data File : BF124087.D  
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Sample : M2521-01 10X  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampled :  
HR-01-052521

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF051421.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052621\  
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Instrument :  
BNA\_F  
ClientSampleId :  
HR-01-052521

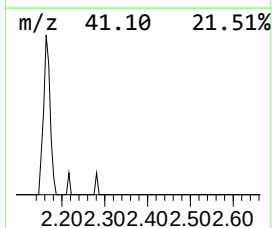
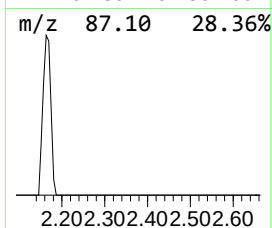
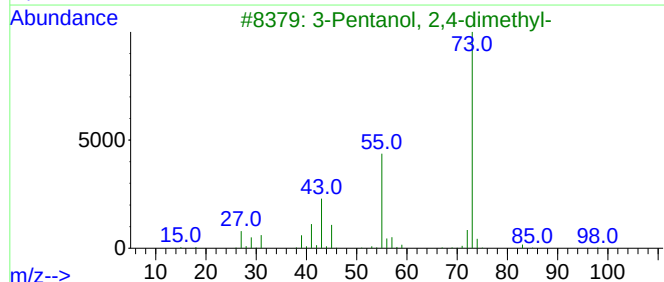
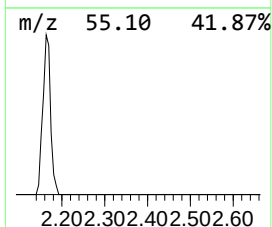
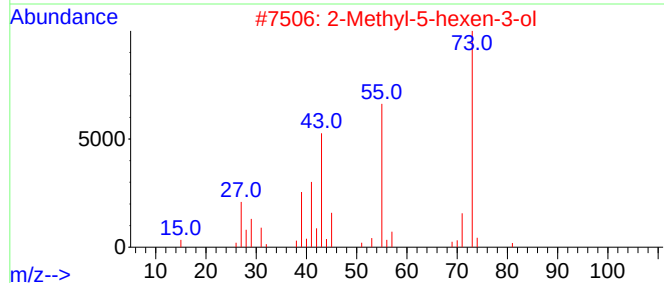
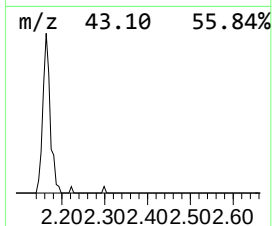
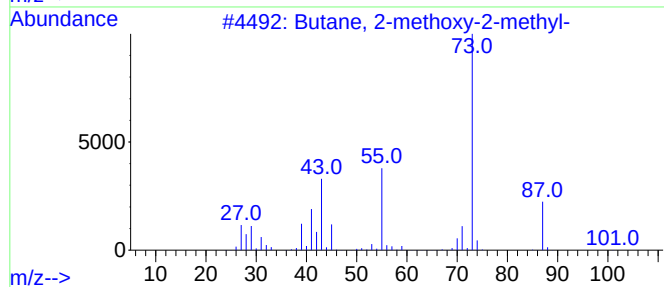
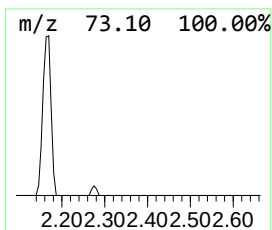
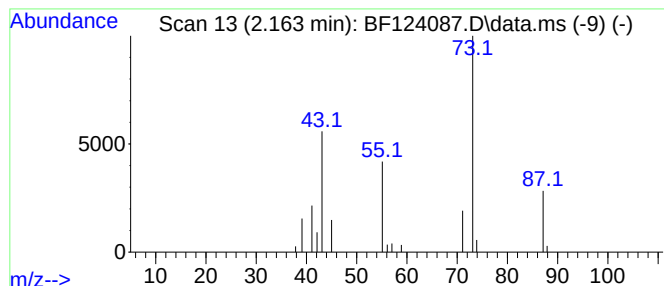
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF051421.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 4

| R.T.  | EstConc | Area  | Relative to ISTD       | R.T.  |
|-------|---------|-------|------------------------|-------|
| 2.163 | 3.11 ng | 55846 | 1,4-Dichlorobenzene-d4 | 6.892 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 72   |
| 2    |    |   | 2-Methyl-5-hexen-3-ol       | 114 | C7H14O  | 032815-70-6 | 28   |
| 3    |    |   | 3-Pentanol, 2,4-dimethyl-   | 116 | C7H16O  | 000600-36-2 | 23   |
| 4    |    |   | 1-Propanol, 2-methyl-       | 74  | C4H10O  | 000078-83-1 | 9    |
| 5    |    |   | 1,3-Dioxolane, 2-methyl-    | 88  | C4H8O2  | 000497-26-7 | 9    |



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Instrument :  
BNA\_F  
ClientSampleId :  
HR-01-052521

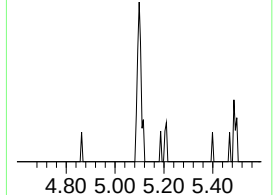
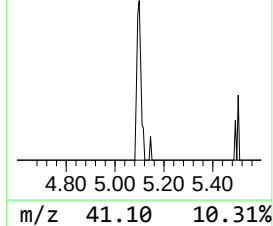
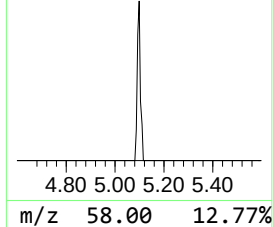
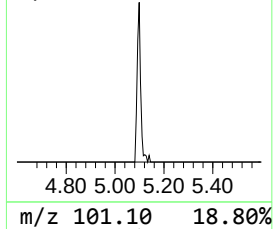
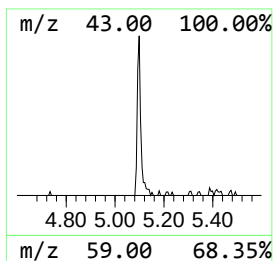
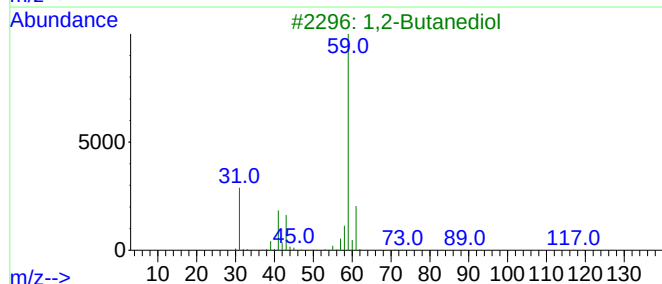
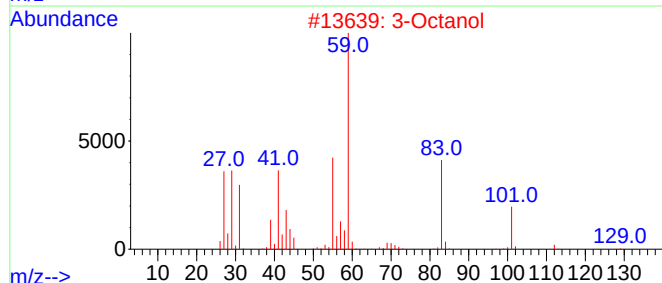
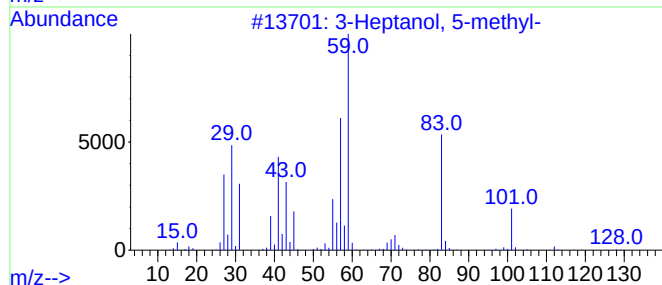
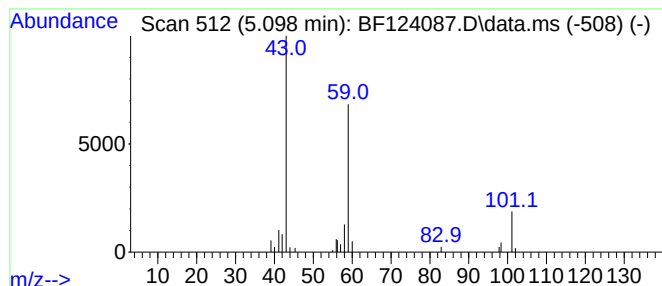
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF051421.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 unknown5.098 Concentration Rank 10

| R.T.  | EstConc | Area  | Relative to ISTD       | R.T.  |
|-------|---------|-------|------------------------|-------|
| 5.098 | 2.21 ng | 39626 | 1,4-Dichlorobenzene-d4 | 6.892 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 3-Heptanol, 5-methyl-               | 130 | C8H18O   | 018720-65-5 | 33   |
| 2    |    |   | 3-Octanol                           | 130 | C8H18O   | 000589-98-0 | 33   |
| 3    |    |   | 1,2-Butanediol                      | 90  | C4H10O2  | 000584-03-2 | 25   |
| 4    |    |   | Butanamide, 2-hydroxy-2,N-dimethyl- | 117 | C5H11NO2 | 039961-72-3 | 25   |
| 5    |    |   | Silane, trimethyl-                  | 74  | C3H10Si  | 000993-07-7 | 25   |



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Data File : BF124087.D  
Acq On : 27 May 2021 3:42  
Operator : JU/CG  
Sample : M2521-01 10X  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
HR-01-052521

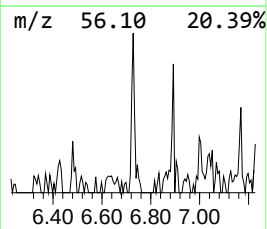
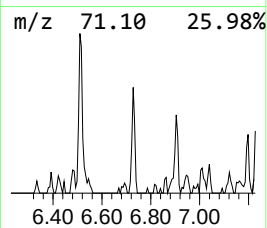
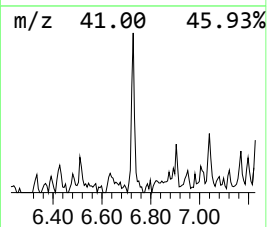
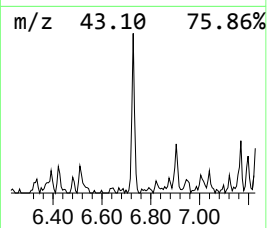
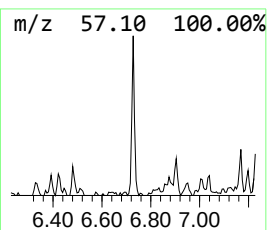
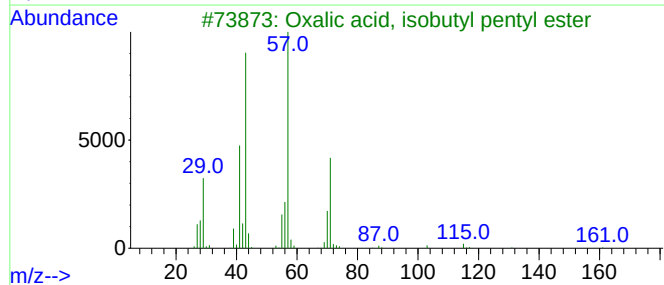
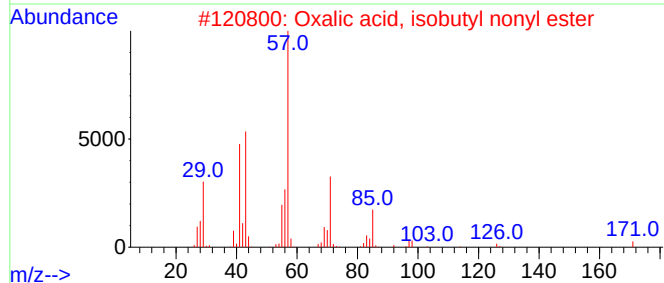
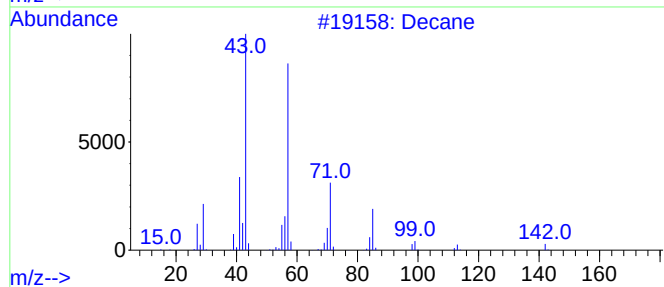
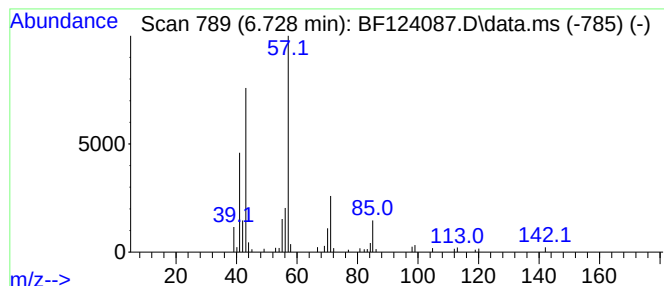
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Decane Concentration Rank 1

| R.T.  | EstConc | Area   | Relative to ISTD       | R.T.  |
|-------|---------|--------|------------------------|-------|
| 6.728 | 6.26 ng | 112486 | 1,4-Dichlorobenzene-d4 | 6.892 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm  | CAS#         | Qual |
|------|----|---|------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Decane                             | 142 | C10H22   | 000124-18-5  | 81   |
| 2    |    |   | Oxalic acid, isobutyl nonyl ester  | 272 | C15H28O4 | 1000309-37-4 | 80   |
| 3    |    |   | Oxalic acid, isobutyl pentyl ester | 216 | C11H20O4 | 1000309-37-0 | 72   |
| 4    |    |   | Undecane                           | 156 | C11H24   | 001120-21-4  | 64   |
| 5    |    |   | Octane                             | 114 | C8H18    | 000111-65-9  | 64   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052621\  
Data File : BF124087.D  
Acq On : 27 May 2021 3:42  
Operator : JU/CG  
Sample : M2521-01 10X  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
HR-01-052521

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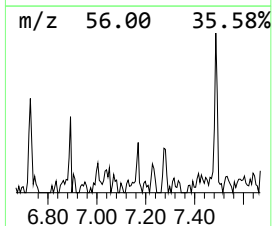
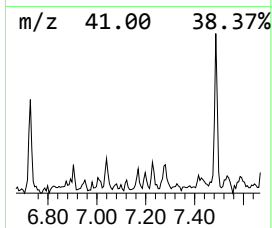
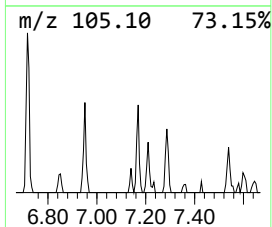
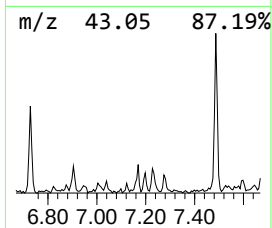
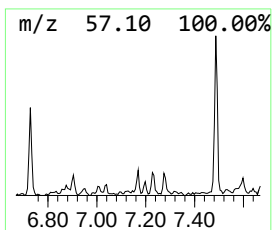
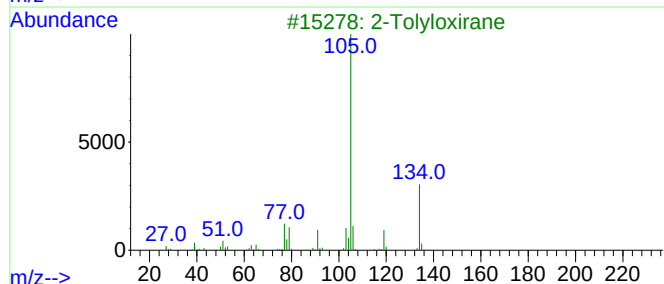
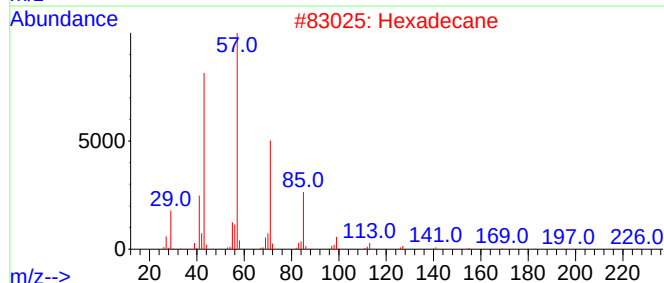
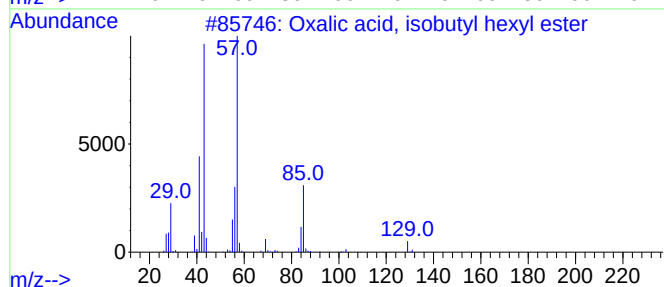
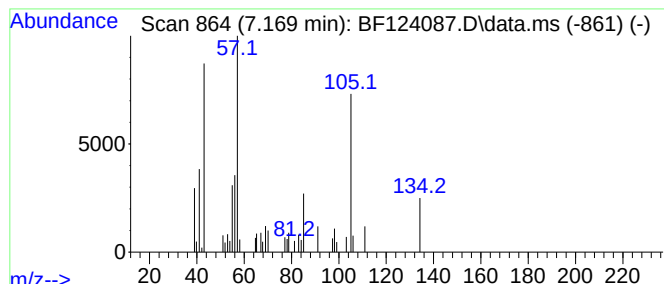
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TIC Integration Parameters: LSCINT.P

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Peak Number 4 unknown7.169 Concentration Rank 14

| R.T.  | EstConc | Area  | Relative to ISTD       | R.T.  |
|-------|---------|-------|------------------------|-------|
| 7.169 | 2.05 ng | 36874 | 1,4-Dichlorobenzene-d4 | 6.892 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Oxalic acid, isobutyl hexyl ester   | 230 | C12H22O4 | 1000309-37-1 | 35   |
| 2    |    |   | Hexadecane                          | 226 | C16H34   | 000544-76-3  | 27   |
| 3    |    |   | 2-Tolyloxirane                      | 134 | C9H10O   | 002783-26-8  | 25   |
| 4    |    |   | Benzene, (1-methylpropyl)-          | 134 | C10H14   | 000135-98-8  | 22   |
| 5    |    |   | Benzeneacetaldehyde, .alpha.-met... | 134 | C9H10O   | 000093-53-8  | 22   |





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Operator : JU/CG  
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ALS Vial : 21 Sample Multiplier: 1

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ClientSampleId :  
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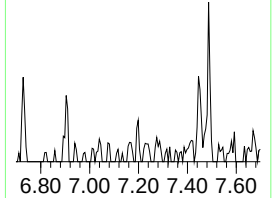
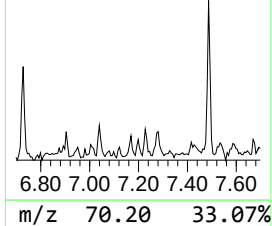
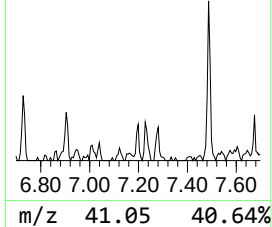
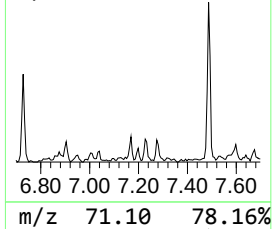
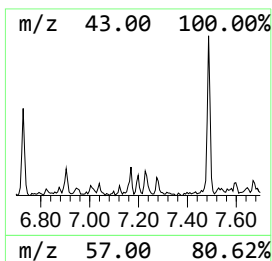
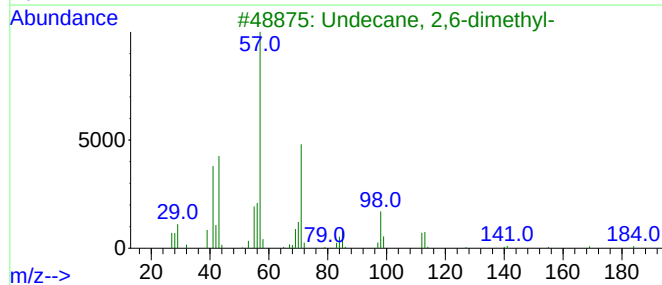
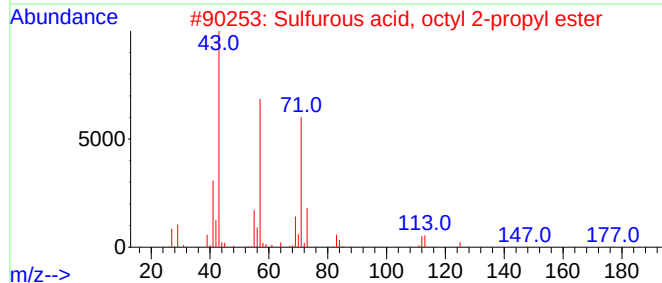
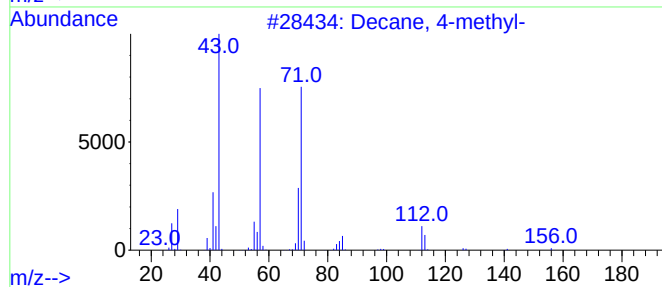
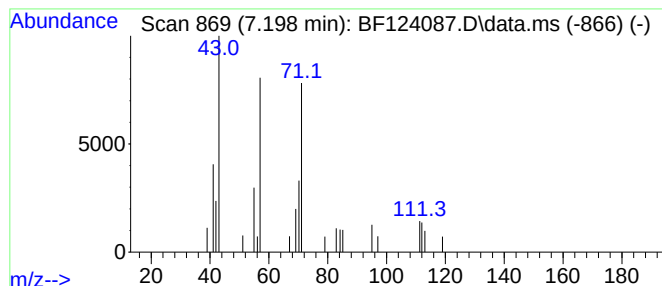
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Decane, 4-methyl- Concentration Rank 13

| R.T.  | EstConc | Area  | Relative to ISTD       | R.T.  |
|-------|---------|-------|------------------------|-------|
| 7.198 | 2.14 ng | 38402 | 1,4-Dichlorobenzene-d4 | 6.892 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Decane, 4-methyl-                   | 156 | C11H24    | 002847-72-5  | 64   |
| 2    |    |   | Sulfurous acid, octyl 2-propyl e... | 236 | C11H24O3S | 1000309-11-9 | 53   |
| 3    |    |   | Undecane, 2,6-dimethyl-             | 184 | C13H28    | 017301-23-4  | 50   |
| 4    |    |   | Octane, 1,1'-oxybis-                | 242 | C16H34O   | 000629-82-3  | 50   |
| 5    |    |   | Methoxyacetic acid, 2-ethylhexyl... | 202 | C11H22O3  | 1000282-41-4 | 50   |



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Data File : BF124087.D  
Acq On : 27 May 2021 3:42  
Operator : JU/CG  
Sample : M2521-01 10X  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
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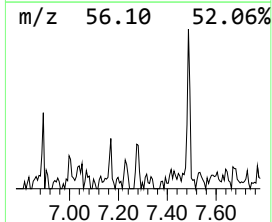
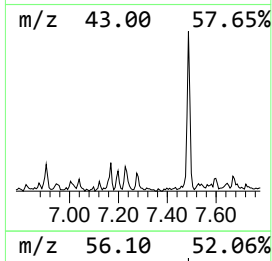
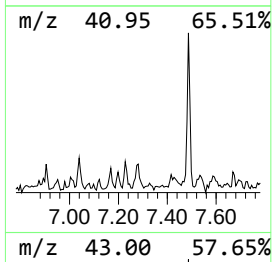
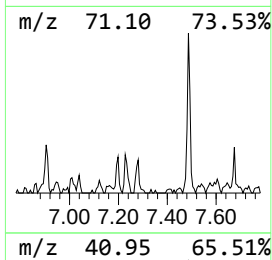
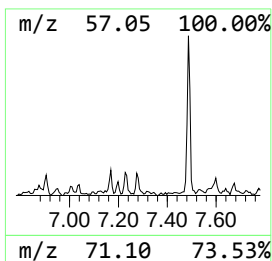
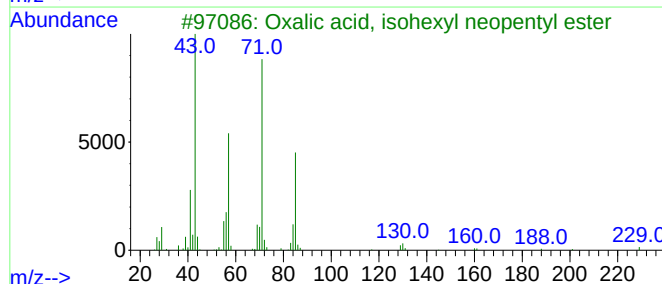
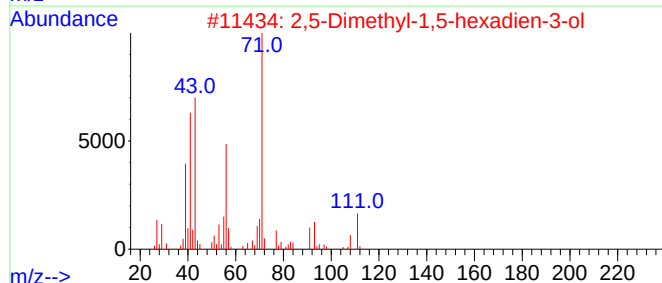
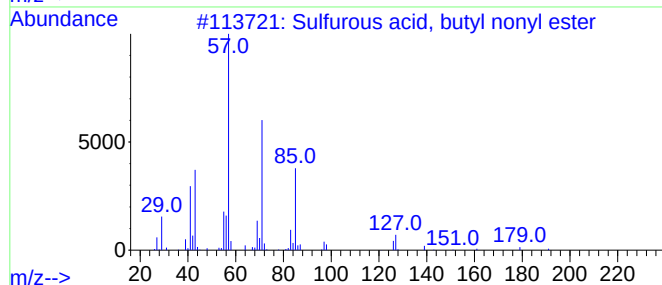
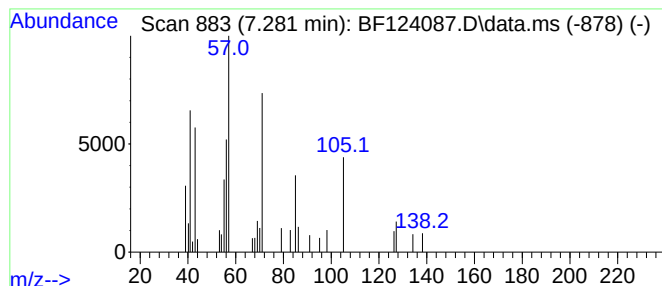
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Sulfurous acid, butyl nonyl... Concentration Rank 7

| R.T.  | EstConc | Area  | Relative to ISTD       | R.T.  |
|-------|---------|-------|------------------------|-------|
| 7.281 | 2.57 ng | 46177 | 1,4-Dichlorobenzene-d4 | 6.892 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Sulfurous acid, butyl nonyl ester   | 264 | C13H28O3S | 1000309-17-6 | 53   |
| 2    |    |   | 2,5-Dimethyl-1,5-hexadien-3-ol      | 126 | C8H14O    | 017123-63-6  | 47   |
| 3    |    |   | Oxalic acid, isohexyl neopentyl ... | 244 | C13H24O4  | 1000309-73-0 | 43   |
| 4    |    |   | Oxalic acid, isobutyl octyl ester   | 258 | C14H26O4  | 1000309-37-3 | 43   |
| 5    |    |   | Furan, tetrahydro-2-methyl-         | 86  | C5H10O    | 000096-47-9  | 38   |



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Acq On : 27 May 2021 3:42  
Operator : JU/CG  
Sample : M2521-01 10X  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
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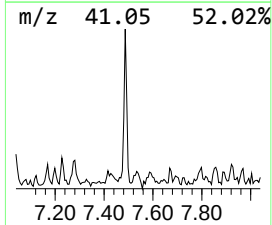
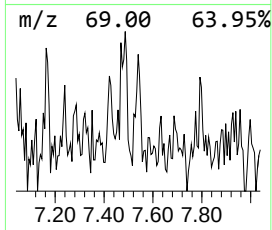
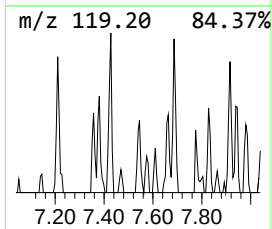
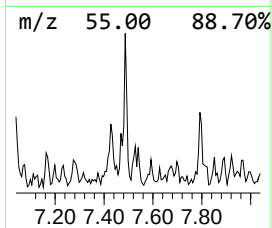
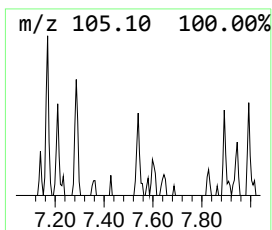
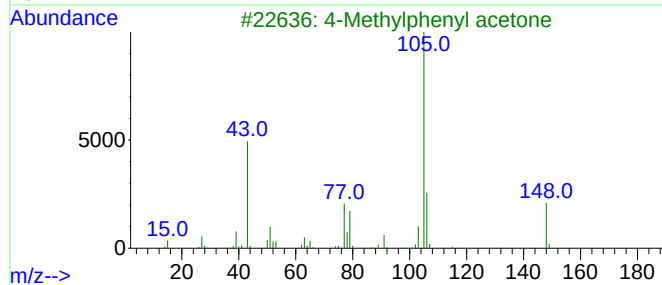
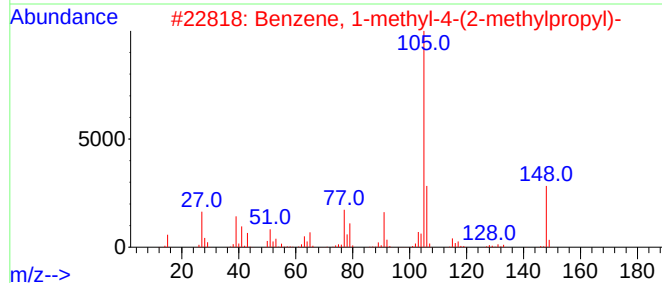
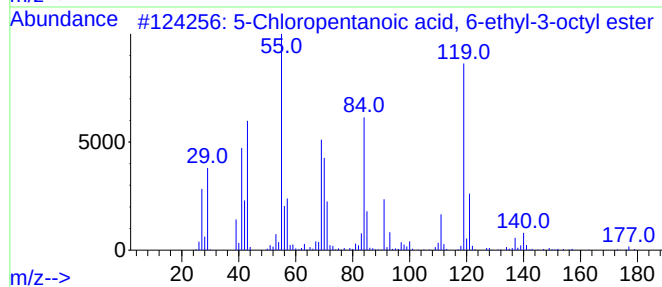
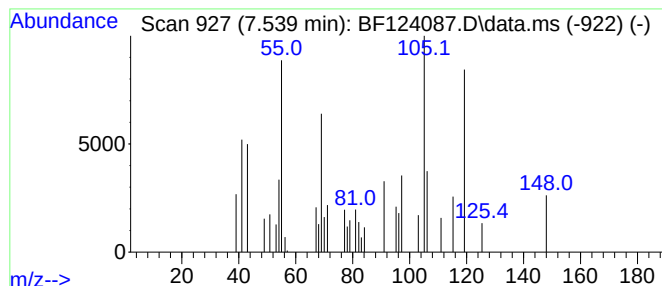
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TIC Integration Parameters: LSCINT.P

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Peak Number 7 unknown7.539 Concentration Rank 11

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 7.539 | 2.18 ng | 40585 | Naphthalene-d8   | 8.175 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|------------|--------------|------|
| 1    |    |   | 5-Chloropentanoic acid, 6-ethyl-... | 276 | C15H29ClO2 | 1000293-37-9 | 12   |
| 2    |    |   | Benzene, 1-methyl-4-(2-methylpro... | 148 | C11H16     | 005161-04-6  | 11   |
| 3    |    |   | 4-Methylphenyl acetone              | 148 | C10H12O    | 002096-86-8  | 11   |
| 4    |    |   | Benzene, (1,2-dimethylpropyl)-      | 148 | C11H16     | 004481-30-5  | 10   |
| 5    |    |   | 2-Propenal, 3-(2-pyridinylamino)-   | 148 | C8H8N2O    | 068970-82-1  | 9    |



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Operator : JU/CG  
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ALS Vial : 21 Sample Multiplier: 1

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ClientSampleId :  
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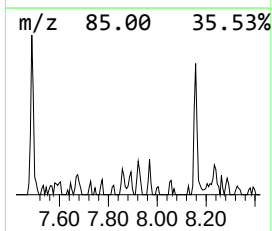
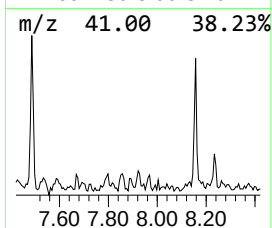
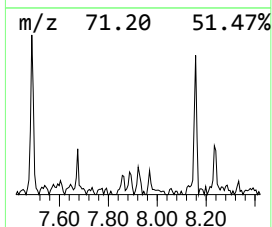
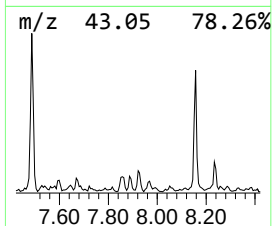
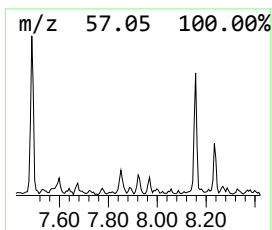
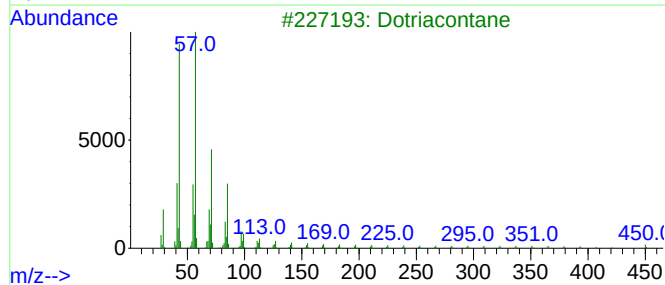
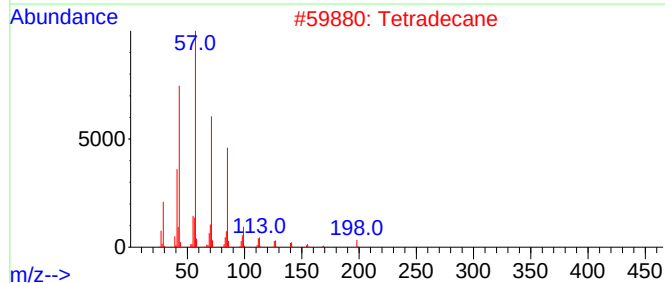
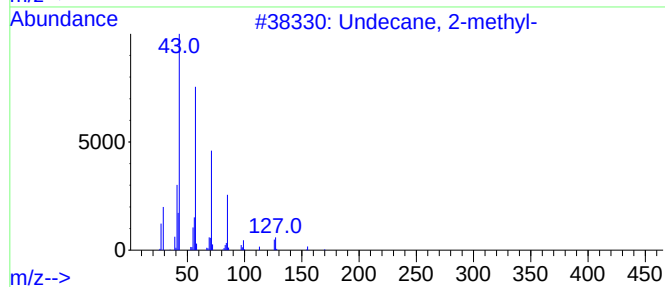
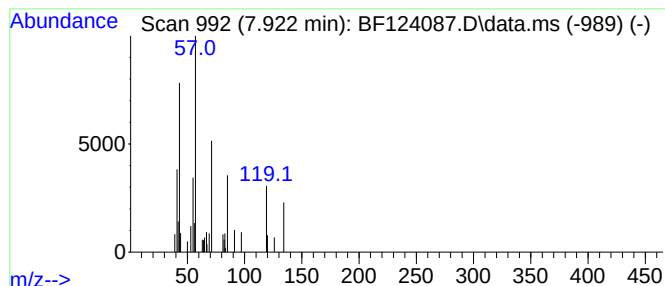
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 unknown7.922 Concentration Rank 6

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 7.922 | 2.60 ng | 48539 | Naphthalene-d8   | 8.175 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------|-----|---------|-------------|------|
| 1    |    |   | Undecane, 2-methyl- | 170 | C12H26  | 007045-71-8 | 38   |
| 2    |    |   | Tetradecane         | 198 | C14H30  | 000629-59-4 | 38   |
| 3    |    |   | Dotriacontane       | 451 | C32H66  | 000544-85-4 | 38   |
| 4    |    |   | Hexadecane          | 226 | C16H34  | 000544-76-3 | 38   |
| 5    |    |   | 2,3-Dimethyldecane  | 170 | C12H26  | 017312-44-6 | 38   |



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Acq On : 27 May 2021 3:42  
Operator : JU/CG  
Sample : M2521-01 10X  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
HR-01-052521

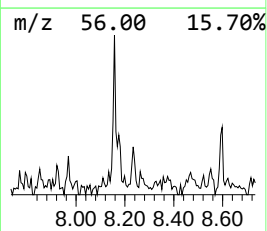
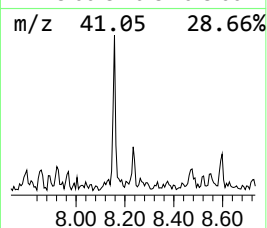
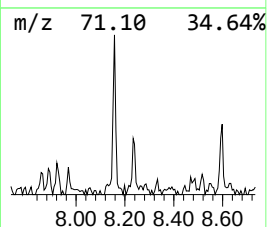
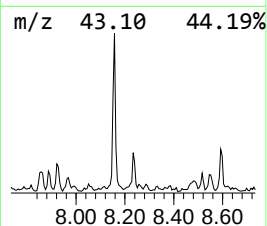
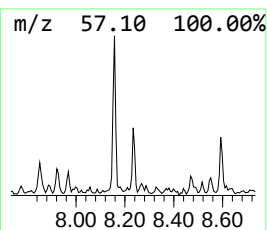
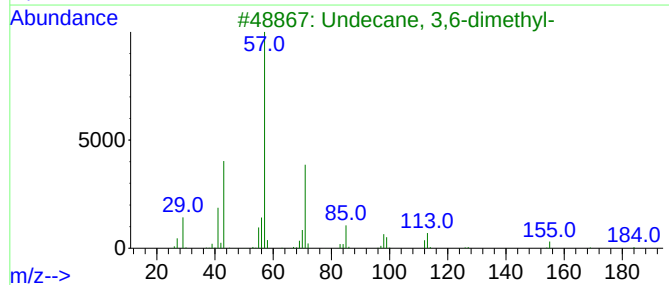
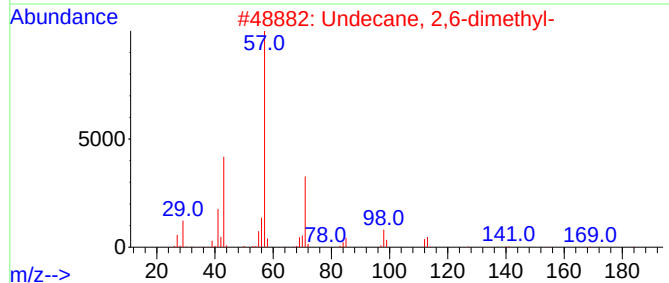
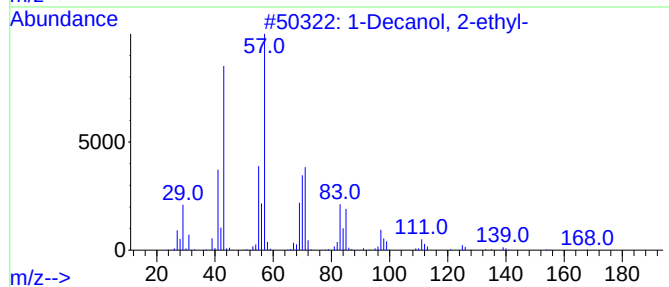
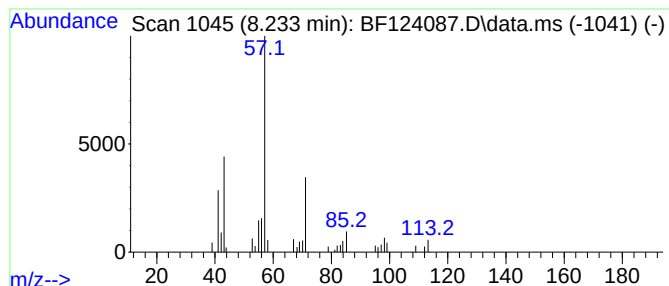
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 1-Decanol, 2-ethyl- Concentration Rank 5

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 8.233 | 2.91 ng | 54359 | Naphthalene-d8   | 8.175 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|------|-------------------------------------|-----|----------|-------------|------|
| 1    |      | 1-Decanol, 2-ethyl-                 | 186 | C12H26O  | 021078-65-9 | 59   |
| 2    |      | Undecane, 2,6-dimethyl-             | 184 | C13H28   | 017301-23-4 | 53   |
| 3    |      | Undecane, 3,6-dimethyl-             | 184 | C13H28   | 017301-28-9 | 53   |
| 4    |      | Decane, 2,5,9-trimethyl-            | 184 | C13H28   | 062108-22-9 | 53   |
| 5    |      | Propanoic acid, 2,2-dimethyl-, o... | 214 | C13H26O2 | 027751-88-8 | 50   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052621\  
Data File : BF124087.D  
Acq On : 27 May 2021 3:42  
Operator : JU/CG  
Sample : M2521-01 10X  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
HR-01-052521

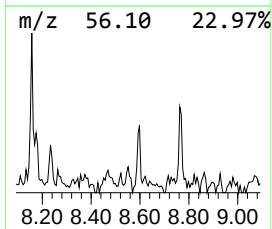
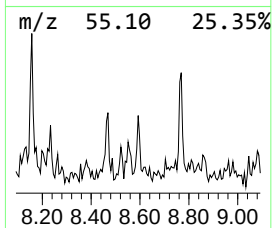
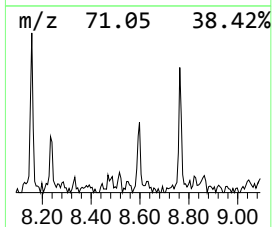
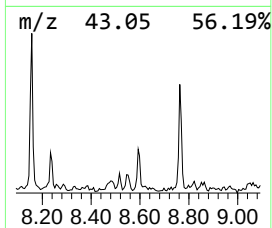
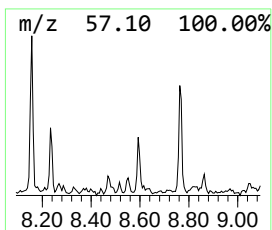
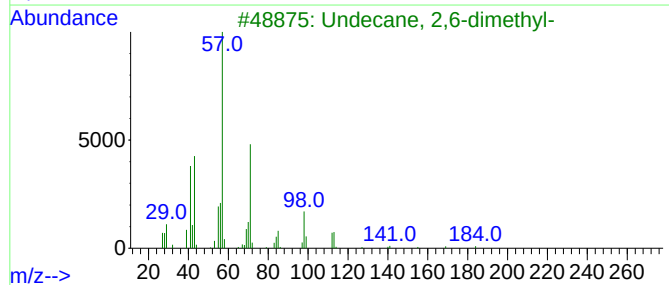
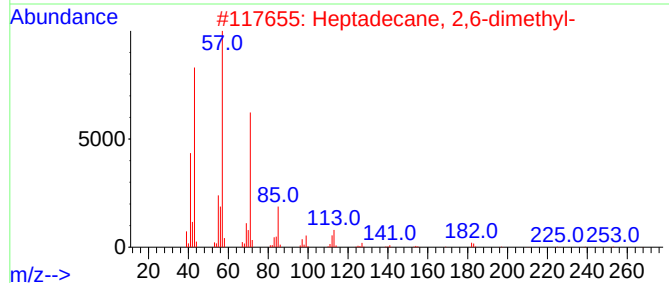
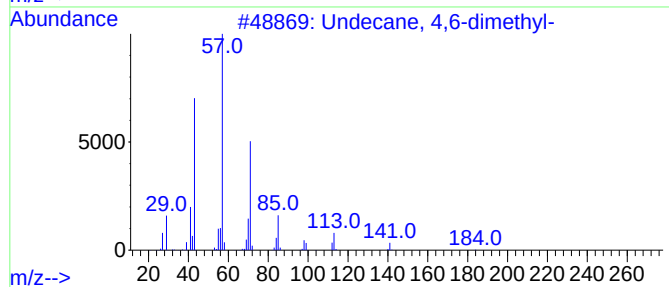
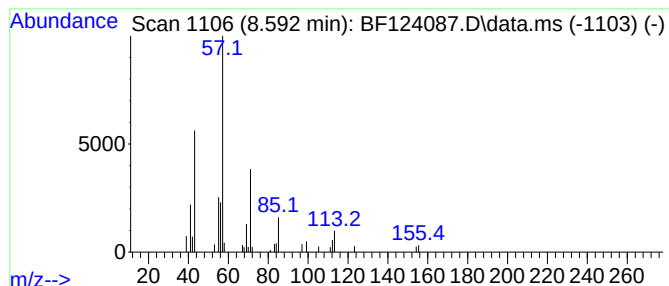
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 Undecane, 4,6-dimethyl- Concentration Rank 8

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 8.592 | 2.34 ng | 43578 | Naphthalene-d8   | 8.175 |

| Hit# | of | 5 | Tentative ID                      | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-----------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Undecane, 4,6-dimethyl-           | 184 | C13H28    | 017312-82-2  | 72   |
| 2    |    |   | Heptadecane, 2,6-dimethyl-        | 268 | C19H40    | 054105-67-8  | 72   |
| 3    |    |   | Undecane, 2,6-dimethyl-           | 184 | C13H28    | 017301-23-4  | 72   |
| 4    |    |   | Undecane, 3,6-dimethyl-           | 184 | C13H28    | 017301-28-9  | 64   |
| 5    |    |   | Sulfurous acid, butyl octyl ester | 250 | C12H26O3S | 1000309-17-5 | 64   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052621\  
Data File : BF124087.D  
Acq On : 27 May 2021 3:42  
Operator : JU/CG  
Sample : M2521-01 10X  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
HR-01-052521

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

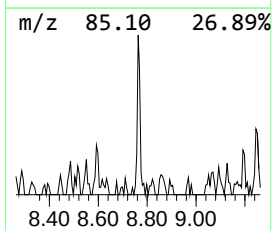
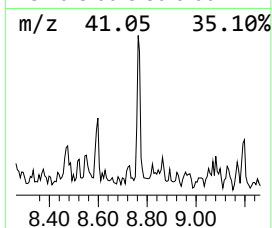
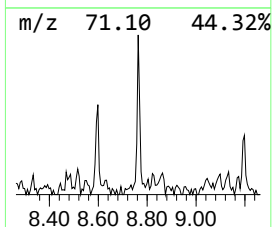
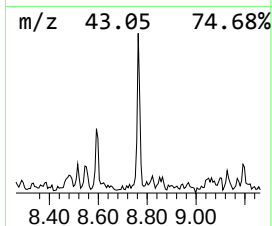
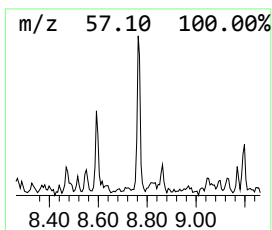
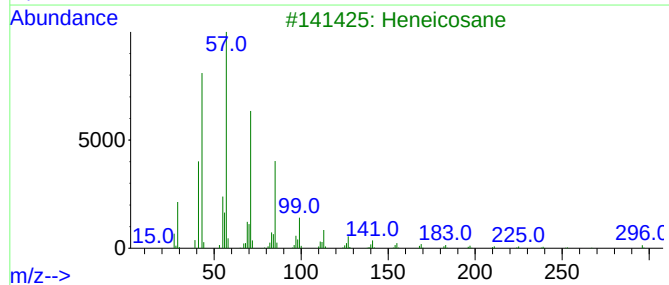
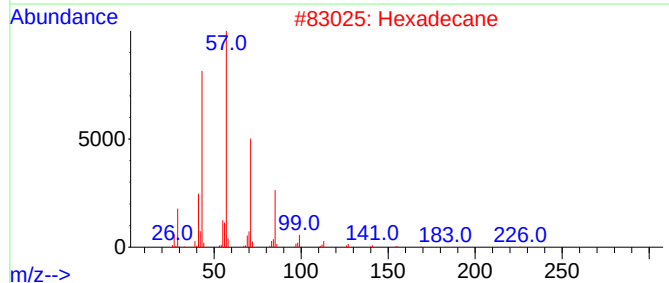
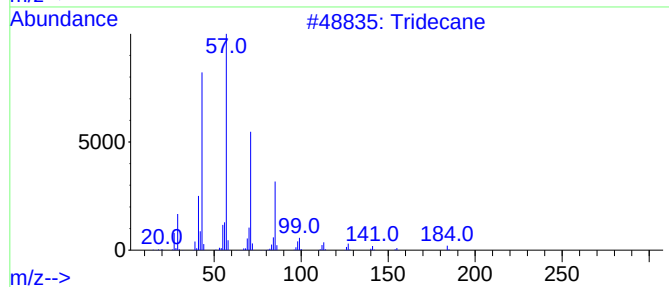
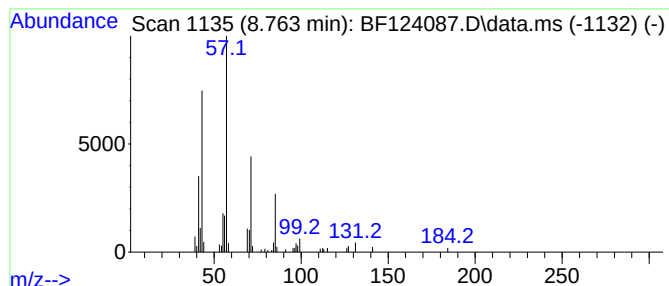
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TIC Integration Parameters: LSCINT.P

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Peak Number 11 Tridecane Concentration Rank 2

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 8.763 | 5.42 ng | 101104 | Naphthalene-d8   | 8.175 |

| Hit# | of 5 | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|------|--------------------------|-----|---------|-------------|------|
| 1    |      | Tridecane                | 184 | C13H28  | 000629-50-5 | 90   |
| 2    |      | Hexadecane               | 226 | C16H34  | 000544-76-3 | 80   |
| 3    |      | Heneicosane              | 296 | C21H44  | 000629-94-7 | 78   |
| 4    |      | Decane, 2,3,5-trimethyl- | 184 | C13H28  | 062238-11-3 | 78   |
| 5    |      | Octacosane               | 394 | C28H58  | 000630-02-4 | 78   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052621\  
Data File : BF124087.D  
Acq On : 27 May 2021 3:42  
Operator : JU/CG  
Sample : M2521-01 10X  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
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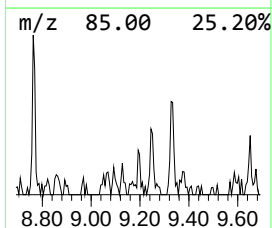
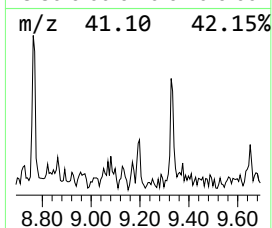
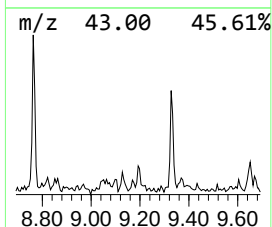
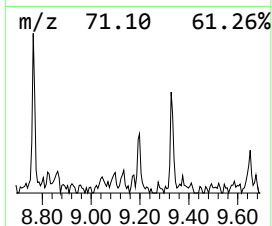
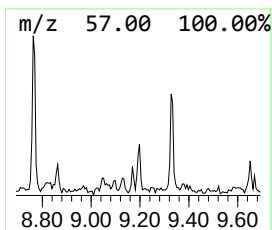
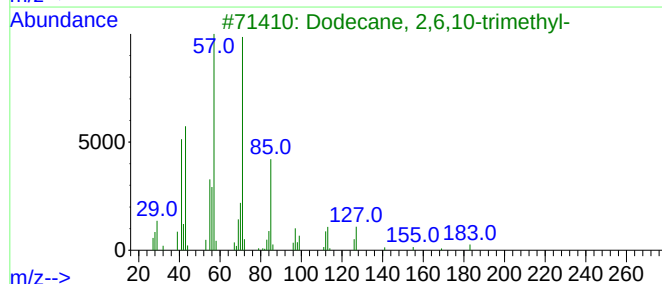
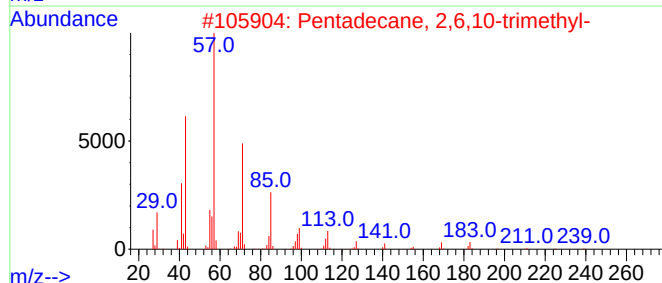
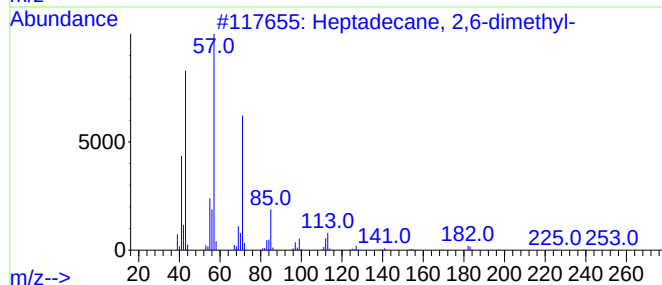
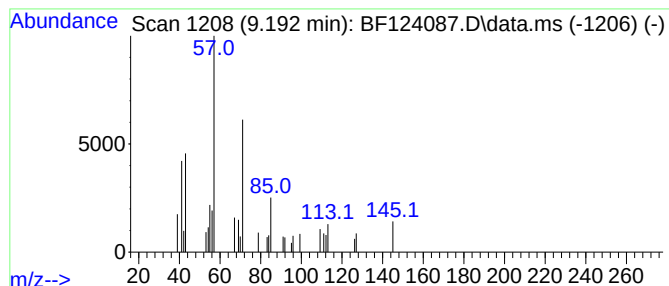
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 12 Heptadecane, 2,6-dimethyl- Concentration Rank 15

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 9.192 | 2.04 ng | 38276 | Acenaphthene-d10 | 9.933 |

| Hit# | of | 5 | Tentative ID                      | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-----------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Heptadecane, 2,6-dimethyl-        | 268 | C19H40    | 054105-67-8  | 64   |
| 2    |    |   | Pentadecane, 2,6,10-trimethyl-    | 254 | C18H38    | 003892-00-0  | 64   |
| 3    |    |   | Dodecane, 2,6,10-trimethyl-       | 212 | C15H32    | 003891-98-3  | 64   |
| 4    |    |   | Sulfurous acid, butyl nonyl ester | 264 | C13H28O3S | 1000309-17-6 | 59   |
| 5    |    |   | Dodecane, 2,7,10-trimethyl-       | 212 | C15H32    | 074645-98-0  | 59   |





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Operator : JU/CG  
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ALS Vial : 21 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
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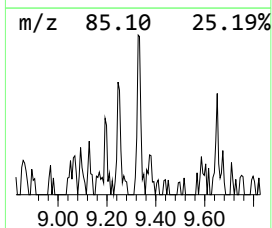
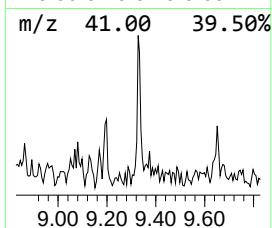
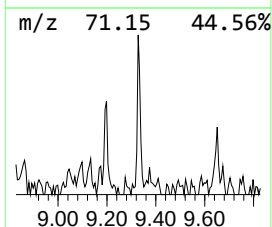
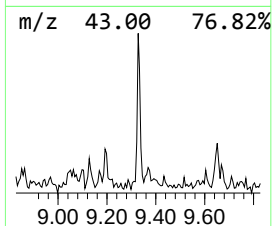
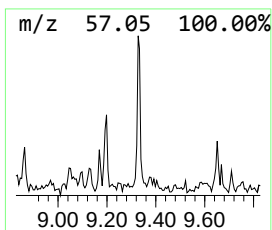
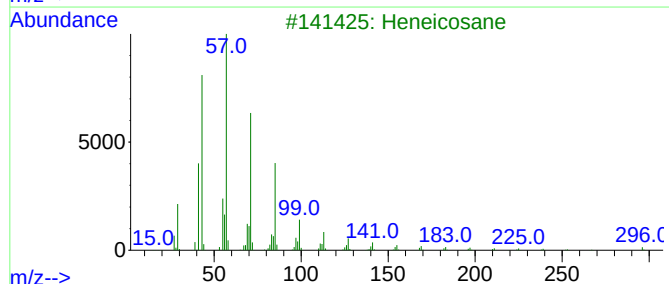
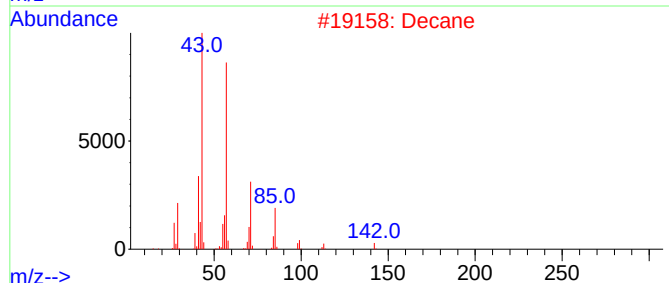
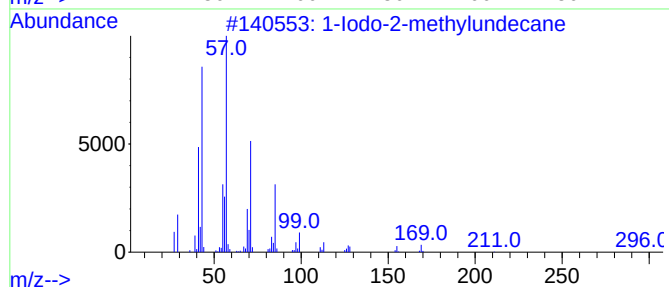
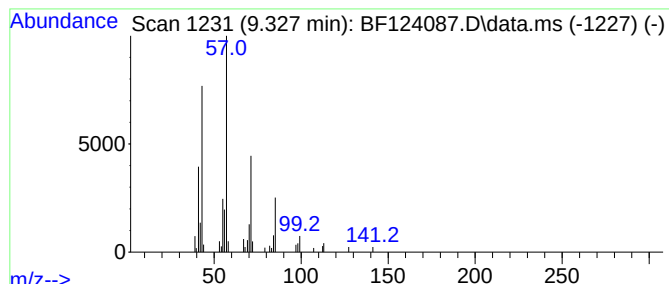
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 13 1-Iodo-2-methylundecane Concentration Rank 3

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 9.327 | 3.75 ng | 70422 | Acenaphthene-d10 | 9.933 |

| Hit# | of 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|------|-------------------------|-----|---------|-------------|------|
| 1    |      | 1-Iodo-2-methylundecane | 296 | C12H25I | 073105-67-6 | 86   |
| 2    |      | Decane                  | 142 | C10H22  | 000124-18-5 | 83   |
| 3    |      | Heneicosane             | 296 | C21H44  | 000629-94-7 | 83   |
| 4    |      | Hexadecane              | 226 | C16H34  | 000544-76-3 | 80   |
| 5    |      | Tridecane               | 184 | C13H28  | 000629-50-5 | 80   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052621\  
Data File : BF124087.D  
Acq On : 27 May 2021 3:42  
Operator : JU/CG  
Sample : M2521-01 10X  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
HR-01-052521

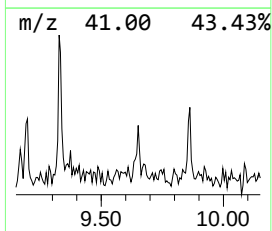
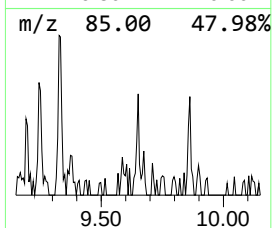
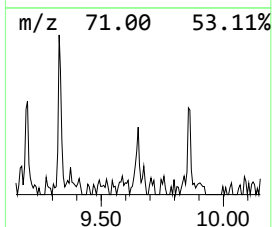
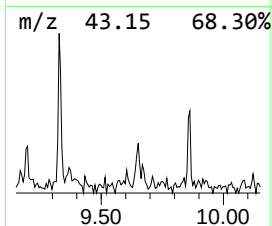
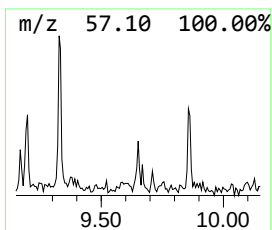
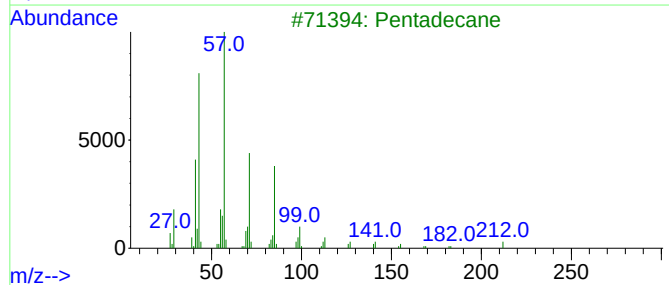
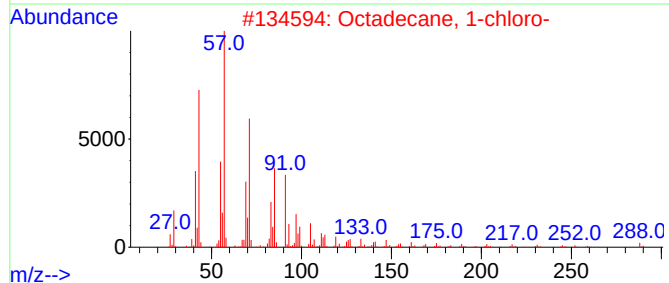
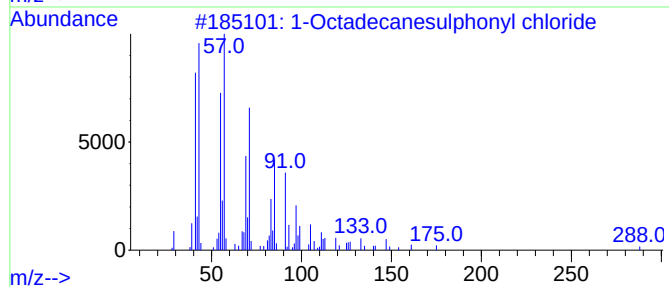
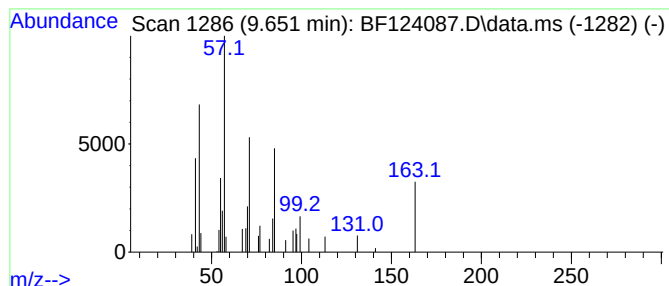
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 14 1-Octadecanesulphonyl chloride Concentration Rank 9

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 9.651 | 2.31 ng | 43385 | Acenaphthene-d10 | 9.933 |

| Hit# | of 5 | Tentative ID                    | MW  | MolForm     | CAS#         | Qual |
|------|------|---------------------------------|-----|-------------|--------------|------|
| 1    |      | 1-Octadecanesulphonyl chloride  | 352 | C18H37ClO2S | 1000342-70-4 | 64   |
| 2    |      | Octadecane, 1-chloro-           | 288 | C18H37Cl    | 003386-33-2  | 64   |
| 3    |      | Pentadecane                     | 212 | C15H32      | 000629-62-9  | 53   |
| 4    |      | Undecane                        | 156 | C11H24      | 001120-21-4  | 53   |
| 5    |      | Tetracontane, 3,5,24-trimethyl- | 605 | C43H88      | 055162-61-3  | 53   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052621\  
Data File : BF124087.D  
Acq On : 27 May 2021 3:42  
Operator : JU/CG  
Sample : M2521-01 10X  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
HR-01-052521

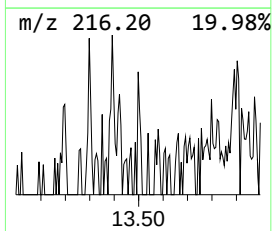
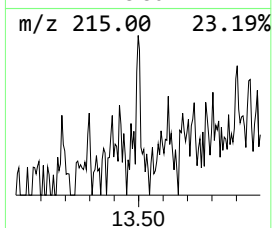
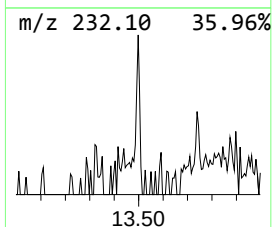
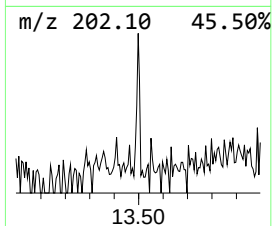
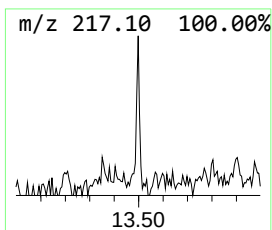
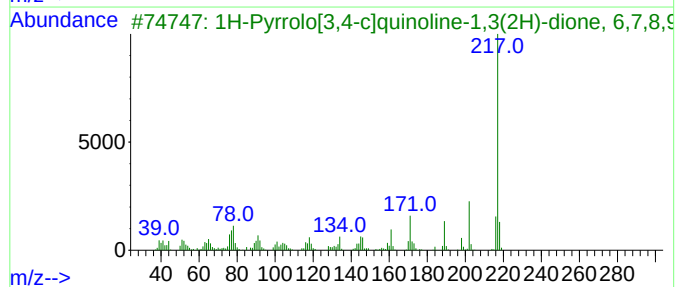
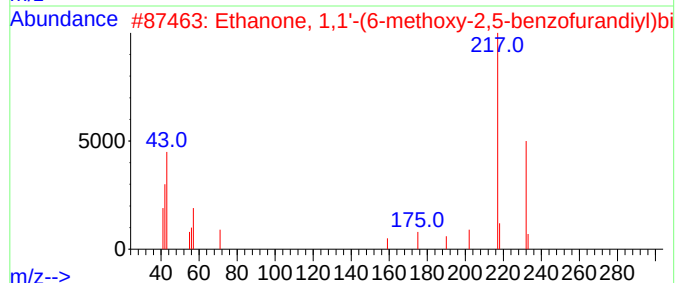
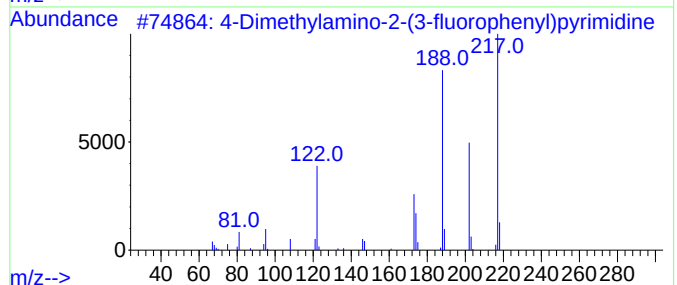
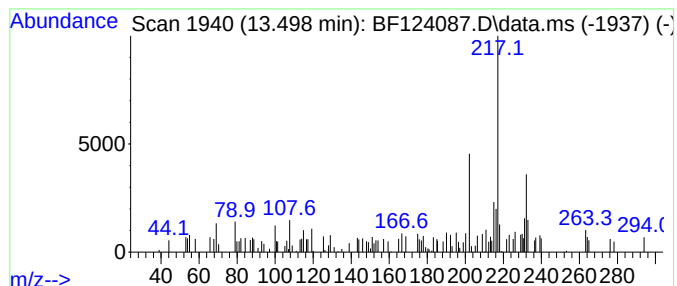
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF051421.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 15 unknown13.498 Concentration Rank 12

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 13.498 | 2.15 ng | 34027 | Chrysene-d12     | 14.068 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-------------|--------------|------|
| 1    |    |   | 4-Dimethylamino-2-(3-fluoropheny... | 217 | C12H12FN3   | 076144-35-9  | 43   |
| 2    |    |   | Ethanone, 1,1'-(6-methoxy-2,5-be... | 232 | C13H12O4    | 023840-15-5  | 43   |
| 3    |    |   | 1H-Pyrrolo[3,4-c]quinoline-1,3(2... | 217 | C11H11N3O2  | 298688-31-0  | 43   |
| 4    |    |   | 4-Amino-7-diethylamino-chromen-2... | 232 | C13H16N2O2  | 107995-76-6  | 43   |
| 5    |    |   | 2,6-Lutidine, 2,5-dichloro-4-[is... | 232 | C10H14Cl2N2 | 1000253-45-6 | 43   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052621\  
 Data File : BF124087.D  
 Acq On : 27 May 2021 3:42  
 Operator : JU/CG  
 Sample : M2521-01 10X  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HR-01-052521

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF051421.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
 TIC Integration Parameters: LSCINT.P

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |        |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|--------|------|
|                    |        |         |       |          | #                     | RT     | Resp   | Conc |
| Butane, 2-metho... | 2.163  | 3.1     | ng    | 55846    | 1                     | 6.892  | 359415 | 20.0 |
| unknown5.098       | 5.098  | 2.2     | ng    | 39626    | 1                     | 6.892  | 359415 | 20.0 |
| Decane             | 6.728  | 6.3     | ng    | 112486   | 1                     | 6.892  | 359415 | 20.0 |
| unknown7.169       | 7.169  | 2.0     | ng    | 36874    | 1                     | 6.892  | 359415 | 20.0 |
| Decane, 4-methyl-  | 7.198  | 2.1     | ng    | 38402    | 1                     | 6.892  | 359415 | 20.0 |
| Sulfurous acid,... | 7.281  | 2.6     | ng    | 46177    | 1                     | 6.892  | 359415 | 20.0 |
| unknown7.539       | 7.539  | 2.2     | ng    | 40585    | 2                     | 8.175  | 373023 | 20.0 |
| unknown7.922       | 7.922  | 2.6     | ng    | 48539    | 2                     | 8.175  | 373023 | 20.0 |
| 1-Decanol, 2-et... | 8.233  | 2.9     | ng    | 54359    | 2                     | 8.175  | 373023 | 20.0 |
| Undecane, 4,6-d... | 8.592  | 2.3     | ng    | 43578    | 2                     | 8.175  | 373023 | 20.0 |
| Tridecane          | 8.763  | 5.4     | ng    | 101104   | 2                     | 8.175  | 373023 | 20.0 |
| Heptadecane, 2,... | 9.192  | 2.0     | ng    | 38276    | 3                     | 9.933  | 375923 | 20.0 |
| 1-Iodo-2-methyl... | 9.327  | 3.8     | ng    | 70422    | 3                     | 9.933  | 375923 | 20.0 |
| 1-Octadecanesul... | 9.651  | 2.3     | ng    | 43385    | 3                     | 9.933  | 375923 | 20.0 |
| unknown13.498      | 13.498 | 2.1     | ng    | 34027    | 5                     | 14.068 | 315981 | 20.0 |