

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG111621\  
 Data File : BG051083.D  
 Acq On : 17 Nov 2021 2:03  
 Operator : CG/JU  
 Sample : M4619-03 5X  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 HR-02-111021

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\_G\Methods\8270-BG111321.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG051083.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         | 5.761       | 381           | 387         | 396          | rVB      | 93861          | 162722        | 5.88%           | 0.499%        |
| 2         | 7.376       | 652           | 662         | 669          | rBV      | 102268         | 212437        | 7.68%           | 0.651%        |
| 3         | 7.817       | 731           | 737         | 741          | rBV      | 68017          | 103115        | 3.73%           | 0.316%        |
| 4         | 8.228       | 801           | 807         | 820          | rVB      | 162965         | 313280        | 11.32%          | 0.960%        |
| 5         | 8.722       | 883           | 891         | 895          | rBV4     | 25962          | 55075         | 1.99%           | 0.169%        |
| 6         | 8.781       | 895           | 901         | 908          | rVB4     | 43563          | 100361        | 3.63%           | 0.308%        |
| 7         | 8.857       | 908           | 914         | 922          | rBV2     | 73627          | 129307        | 4.67%           | 0.396%        |
| 8         | 8.969       | 927           | 933         | 938          | rBV      | 39860          | 73766         | 2.67%           | 0.226%        |
| 9         | 9.233       | 973           | 978         | 983          | rVB2     | 29116          | 49827         | 1.80%           | 0.153%        |
| 10        | 9.327       | 989           | 994         | 1001         | rVV3     | 53982          | 119817        | 4.33%           | 0.367%        |
| 11        | 9.433       | 1001          | 1012        | 1019         | rVB2     | 411314         | 798289        | 28.85%          | 2.447%        |
| 12        | 9.580       | 1024          | 1037        | 1043         | rBV2     | 41792          | 136736        | 4.94%           | 0.419%        |
| 13        | 9.680       | 1045          | 1054        | 1061         | rBV6     | 45847          | 127250        | 4.60%           | 0.390%        |
| 14        | 9.850       | 1078          | 1083        | 1089         | rVB3     | 68361          | 118669        | 4.29%           | 0.364%        |
| 15        | 9.921       | 1089          | 1095        | 1098         | rVV      | 52080          | 90999         | 3.29%           | 0.279%        |
| 16        | 9.962       | 1098          | 1102        | 1110         | rVB5     | 40351          | 86757         | 3.14%           | 0.266%        |
| 17        | 10.085      | 1116          | 1123        | 1126         | rBV4     | 28437          | 66444         | 2.40%           | 0.204%        |
| 18        | 10.150      | 1130          | 1134        | 1142         | rVB3     | 57235          | 99852         | 3.61%           | 0.306%        |
| 19        | 10.226      | 1142          | 1147        | 1150         | rBV3     | 57159          | 106559        | 3.85%           | 0.327%        |
| 20        | 10.355      | 1164          | 1169        | 1177         | rBV2     | 76152          | 164491        | 5.95%           | 0.504%        |
| 21        | 10.438      | 1177          | 1183        | 1189         | rVV2     | 189274         | 342594        | 12.38%          | 1.050%        |
| 22        | 10.490      | 1189          | 1192        | 1196         | rVB2     | 42729          | 58451         | 2.11%           | 0.179%        |
| 23        | 10.537      | 1196          | 1200        | 1205         | rVB2     | 85560          | 124809        | 4.51%           | 0.383%        |
| 24        | 10.614      | 1205          | 1213        | 1219         | rVB4     | 55936          | 148275        | 5.36%           | 0.455%        |
| 25        | 10.678      | 1219          | 1224        | 1229         | rBV      | 46467          | 71429         | 2.58%           | 0.219%        |
| 26        | 10.737      | 1229          | 1234        | 1240         | rVB3     | 64817          | 127939        | 4.62%           | 0.392%        |
| 27        | 10.808      | 1241          | 1246        | 1251         | rBV5     | 30270          | 63411         | 2.29%           | 0.194%        |
| 28        | 10.984      | 1270          | 1276        | 1283         | rBV      | 820017         | 1358326       | 49.10%          | 4.164%        |
| 29        | 11.055      | 1283          | 1288        | 1294         | rVB      | 181160         | 318194        | 11.50%          | 0.975%        |
| 30        | 11.172      | 1302          | 1308        | 1315         | rVB2     | 286906         | 523968        | 18.94%          | 1.606%        |
| 31        | 11.248      | 1315          | 1321        | 1326         | rBV6     | 81933          | 192362        | 6.95%           | 0.590%        |
| 32        | 11.295      | 1327          | 1329        | 1335         | rVB3     | 32570          | 50178         | 1.81%           | 0.154%        |
| 33        | 11.407      | 1340          | 1348        | 1352         | rBV7     | 50421          | 124316        | 4.49%           | 0.381%        |
| 34        | 11.519      | 1362          | 1367        | 1373         | rVB4     | 129738         | 252729        | 9.13%           | 0.775%        |
| 35        | 11.736      | 1396          | 1404        | 1408         | rBV5     | 142460         | 318317        | 11.51%          | 0.976%        |
| 36        | 11.854      | 1419          | 1424        | 1432         | rVB6     | 94122          | 182010        | 6.58%           | 0.558%        |

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 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 HR-02-111021

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\_G\Methods\8270-BG111321.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 37 | 11.930 | 1432 | 1437 | 1446 | rVB3 | 154099  | 343886  | 12.43% | 1.054% |
| 38 | 12.030 | 1447 | 1454 | 1459 | rBV  | 361172  | 588637  | 21.28% | 1.805% |
| 39 | 12.077 | 1459 | 1462 | 1467 | rVV3 | 72040   | 114224  | 4.13%  | 0.350% |
| 40 | 12.230 | 1483 | 1488 | 1494 | rBV2 | 199707  | 329967  | 11.93% | 1.012% |
| 41 | 12.300 | 1494 | 1500 | 1505 | rBV6 | 73711   | 166089  | 6.00%  | 0.509% |
| 42 | 12.359 | 1507 | 1510 | 1515 | rVB4 | 41874   | 58656   | 2.12%  | 0.180% |
| 43 | 12.424 | 1515 | 1521 | 1529 | rBV  | 1247980 | 1892779 | 68.41% | 5.803% |
| 44 | 12.582 | 1545 | 1548 | 1552 | rVV3 | 99672   | 145232  | 5.25%  | 0.445% |
| 45 | 12.641 | 1555 | 1558 | 1564 | rVB3 | 140333  | 217612  | 7.87%  | 0.667% |
| 46 | 12.700 | 1564 | 1568 | 1572 | rBV4 | 51992   | 76816   | 2.78%  | 0.235% |
| 47 | 12.770 | 1578 | 1580 | 1586 | rVB7 | 43133   | 66395   | 2.40%  | 0.204% |
| 48 | 12.935 | 1604 | 1608 | 1614 | rVB2 | 192379  | 312318  | 11.29% | 0.957% |
| 49 | 13.046 | 1623 | 1627 | 1631 | rBV2 | 97957   | 128409  | 4.64%  | 0.394% |
| 50 | 13.082 | 1631 | 1633 | 1636 | rBV  | 41176   | 50984   | 1.84%  | 0.156% |
| 51 | 13.152 | 1642 | 1645 | 1648 | rVB  | 100141  | 113152  | 4.09%  | 0.347% |
| 52 | 13.223 | 1648 | 1657 | 1665 | rVB4 | 181243  | 445616  | 16.11% | 1.366% |
| 53 | 13.305 | 1667 | 1671 | 1675 | rVB  | 141981  | 190705  | 6.89%  | 0.585% |
| 54 | 13.358 | 1675 | 1680 | 1685 | rBV  | 356014  | 562145  | 20.32% | 1.723% |
| 55 | 13.475 | 1695 | 1700 | 1705 | rBV  | 154125  | 253997  | 9.18%  | 0.779% |
| 56 | 13.557 | 1711 | 1714 | 1718 | rVB4 | 47794   | 68656   | 2.48%  | 0.210% |
| 57 | 13.651 | 1723 | 1730 | 1735 | rBV  | 1291442 | 1960104 | 70.85% | 6.009% |
| 58 | 13.734 | 1740 | 1744 | 1750 | rVV5 | 79536   | 219203  | 7.92%  | 0.672% |
| 59 | 13.798 | 1751 | 1755 | 1760 | rVV2 | 167680  | 306141  | 11.07% | 0.939% |
| 60 | 13.886 | 1767 | 1770 | 1774 | rVB4 | 51041   | 69589   | 2.52%  | 0.213% |
| 61 | 14.174 | 1814 | 1819 | 1822 | rVV3 | 90275   | 136225  | 4.92%  | 0.418% |
| 62 | 14.216 | 1822 | 1826 | 1832 | rVB5 | 126952  | 208197  | 7.53%  | 0.638% |
| 63 | 14.298 | 1832 | 1840 | 1844 | rBV3 | 310617  | 649947  | 23.49% | 1.992% |
| 64 | 14.345 | 1844 | 1848 | 1855 | rVB3 | 152875  | 325140  | 11.75% | 0.997% |
| 65 | 14.415 | 1855 | 1860 | 1865 | rBV3 | 176189  | 274196  | 9.91%  | 0.841% |
| 66 | 14.503 | 1872 | 1875 | 1878 | rVB3 | 64087   | 81749   | 2.95%  | 0.251% |
| 67 | 14.715 | 1906 | 1911 | 1919 | rVB  | 1033916 | 1422013 | 51.40% | 4.359% |
| 68 | 14.856 | 1931 | 1935 | 1942 | rVB  | 323327  | 540168  | 19.52% | 1.656% |
| 69 | 15.050 | 1965 | 1968 | 1974 | rVB7 | 49796   | 84948   | 3.07%  | 0.260% |
| 70 | 15.161 | 1982 | 1987 | 1991 | rBV5 | 49214   | 104541  | 3.78%  | 0.320% |
| 71 | 15.208 | 1991 | 1995 | 1999 | rVV2 | 65787   | 86098   | 3.11%  | 0.264% |
| 72 | 15.320 | 2009 | 2014 | 2023 | rBV3 | 160118  | 324287  | 11.72% | 0.994% |
| 73 | 15.396 | 2023 | 2027 | 2032 | rVB  | 90407   | 130987  | 4.73%  | 0.402% |
| 74 | 15.467 | 2034 | 2039 | 2045 | rBV5 | 51881   | 138653  | 5.01%  | 0.425% |
| 75 | 15.661 | 2067 | 2072 | 2077 | rVB  | 665097  | 875487  | 31.64% | 2.684% |
| 76 | 15.714 | 2078 | 2081 | 2086 | rVB3 | 39308   | 58531   | 2.12%  | 0.179% |

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Instrument :  
 BNA\_G  
 ClientSampleId :  
 HR-02-111021

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\_G\Methods\8270-BG111321.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|     |        |      |      |      |      |         |         |         |        |
|-----|--------|------|------|------|------|---------|---------|---------|--------|
| 77  | 16.060 | 2133 | 2140 | 2144 | rBV  | 143334  | 269407  | 9.74%   | 0.826% |
| 78  | 16.160 | 2153 | 2157 | 2162 | rVB2 | 48290   | 66967   | 2.42%   | 0.205% |
| 79  | 16.213 | 2162 | 2166 | 2174 | rVB4 | 41420   | 81983   | 2.96%   | 0.251% |
| 80  | 16.284 | 2174 | 2178 | 2183 | rVB3 | 61450   | 90464   | 3.27%   | 0.277% |
| 81  | 16.342 | 2184 | 2188 | 2195 | rBV  | 105431  | 168970  | 6.11%   | 0.518% |
| 82  | 16.519 | 2213 | 2218 | 2229 | rBV  | 399464  | 667150  | 24.11%  | 2.045% |
| 83  | 16.859 | 2272 | 2276 | 2281 | rBV4 | 32032   | 63694   | 2.30%   | 0.195% |
| 84  | 17.030 | 2301 | 2305 | 2311 | rVB5 | 32713   | 50481   | 1.82%   | 0.155% |
| 85  | 17.312 | 2349 | 2353 | 2357 | rVB  | 211606  | 252088  | 9.11%   | 0.773% |
| 86  | 17.365 | 2357 | 2362 | 2366 | rBV  | 74103   | 104515  | 3.78%   | 0.320% |
| 87  | 17.606 | 2397 | 2403 | 2408 | rBV  | 385059  | 618388  | 22.35%  | 1.896% |
| 88  | 18.052 | 2475 | 2479 | 2485 | rBV  | 142397  | 174170  | 6.30%   | 0.534% |
| 89  | 18.228 | 2504 | 2509 | 2515 | rVB  | 988599  | 1245932 | 45.03%  | 3.820% |
| 90  | 18.458 | 2544 | 2548 | 2552 | rBV2 | 81987   | 116268  | 4.20%   | 0.356% |
| 91  | 18.740 | 2591 | 2596 | 2600 | rBV  | 128534  | 158558  | 5.73%   | 0.486% |
| 92  | 19.362 | 2697 | 2702 | 2704 | rBV  | 1785750 | 2223132 | 80.35%  | 6.815% |
| 93  | 19.392 | 2704 | 2707 | 2718 | rVB  | 2146264 | 2766641 | 100.00% | 8.482% |
| 94  | 19.521 | 2724 | 2729 | 2733 | rBV  | 573707  | 690990  | 24.98%  | 2.118% |
| 95  | 19.932 | 2797 | 2799 | 2803 | rVB  | 102832  | 112137  | 4.05%   | 0.344% |
| 96  | 20.191 | 2839 | 2843 | 2847 | rVB  | 250057  | 323208  | 11.68%  | 0.991% |
| 97  | 20.461 | 2887 | 2889 | 2893 | rBV  | 90556   | 102298  | 3.70%   | 0.314% |
| 98  | 20.773 | 2940 | 2942 | 2951 | rVB3 | 100706  | 134074  | 4.85%   | 0.411% |
| 99  | 20.966 | 2972 | 2975 | 2978 | rVB  | 82581   | 91493   | 3.31%   | 0.280% |
| 100 | 21.907 | 3131 | 3135 | 3146 | rVB  | 299118  | 551164  | 19.92%  | 1.690% |

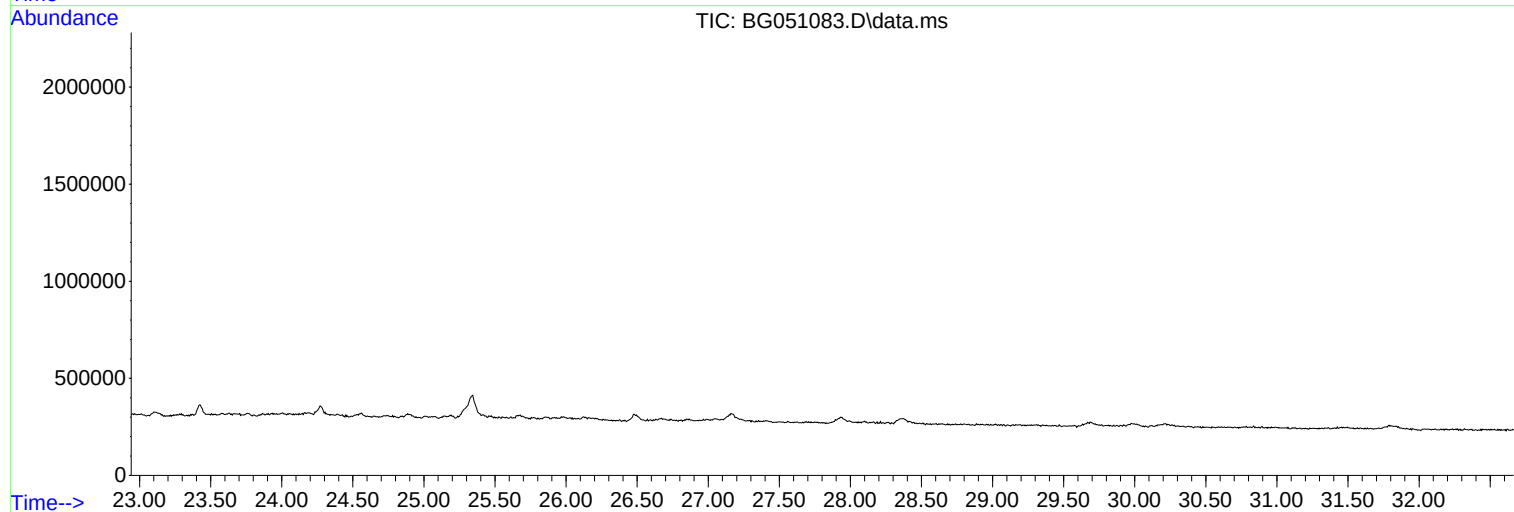
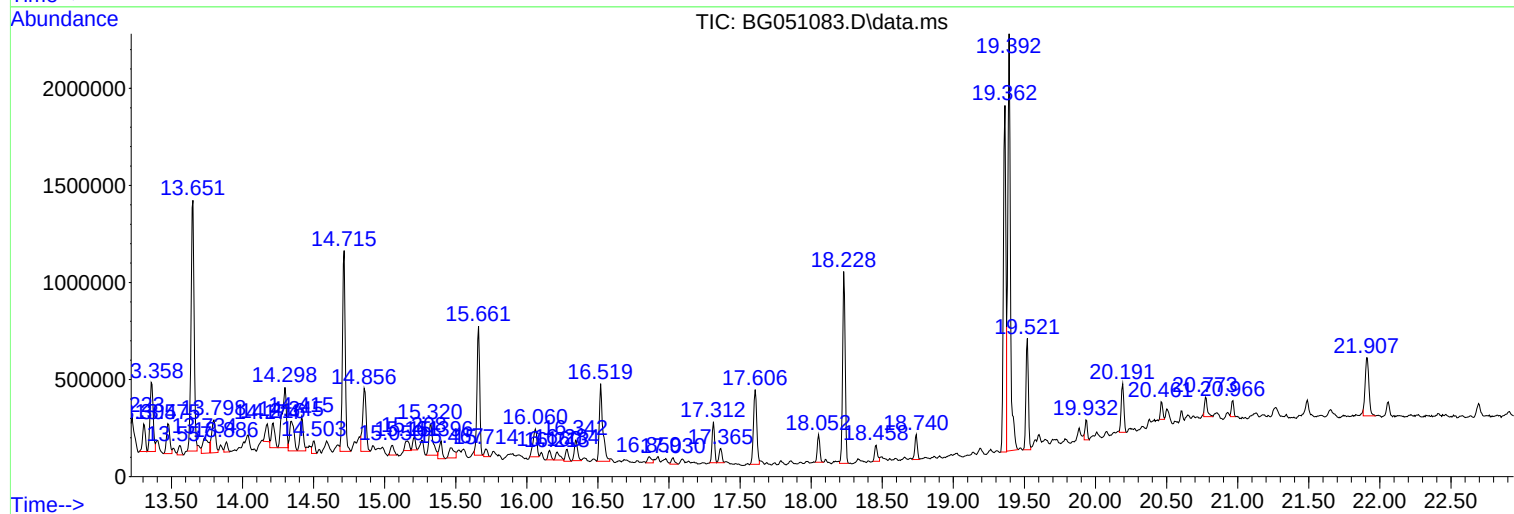
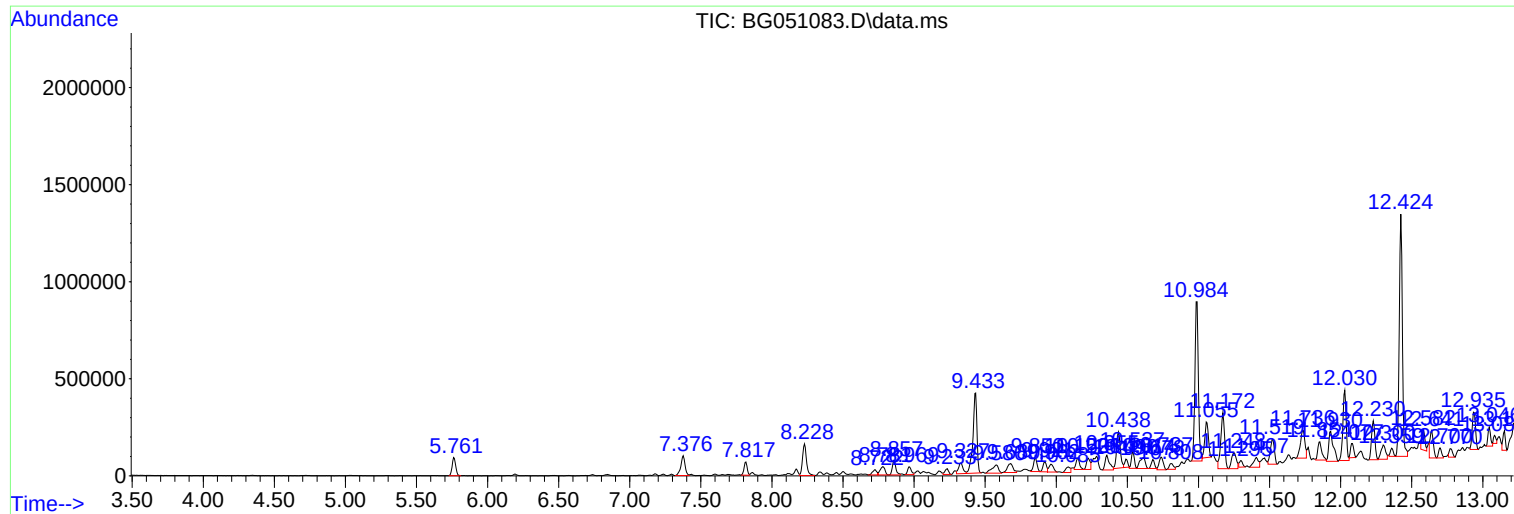
Sum of corrected areas: 32619712

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG111621\  
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Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
HR-02-111021

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG111321.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG111621\  
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG111321.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

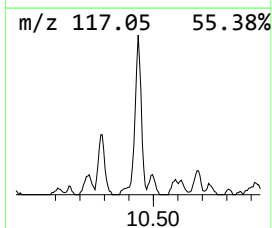
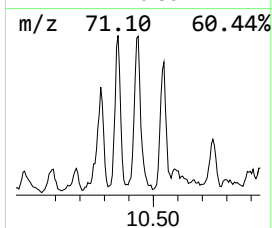
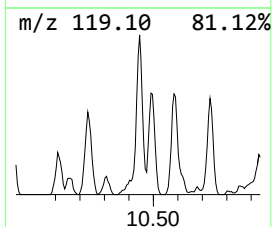
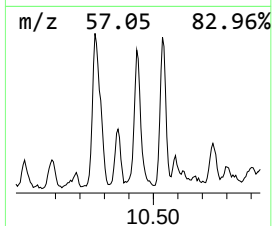
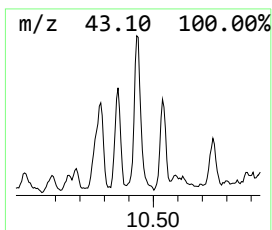
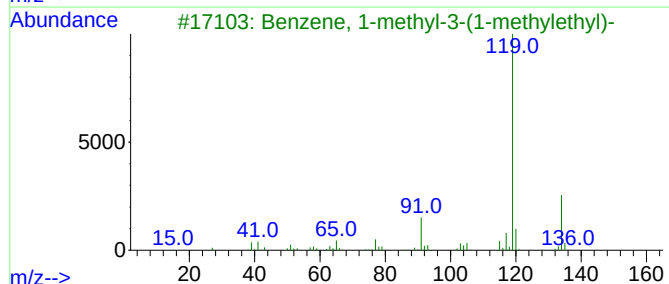
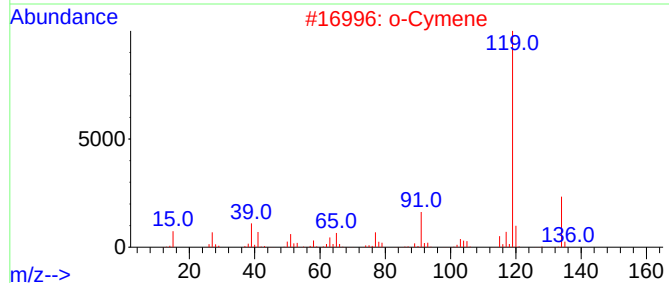
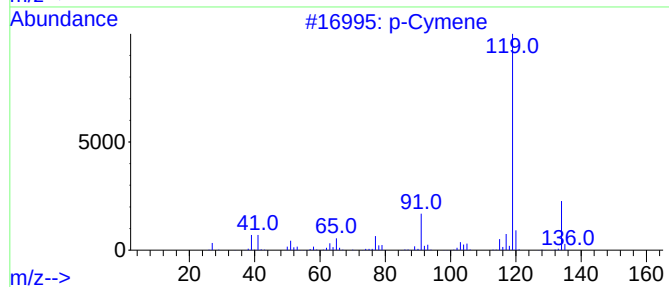
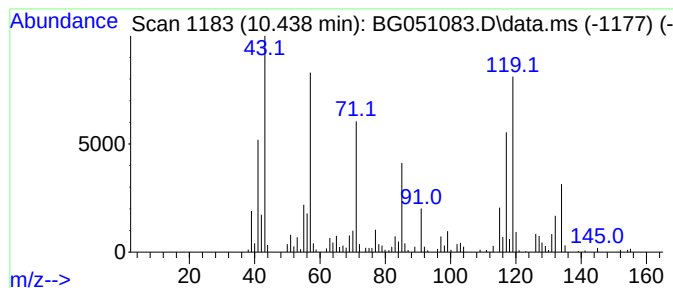
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 unknown10.438 Concentration Rank 15

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.   |
|--------|----------|--------|------------------|--------|
| 10.438 | 21.53 ng | 342594 | Naphthalene-d8   | 11.055 |

| Hit# | of | 5 | Tentative ID                         | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------------|-----|---------|-------------|------|
| 1    |    |   | p-Cymene                             | 134 | C10H14  | 000099-87-6 | 42   |
| 2    |    |   | o-Cymene                             | 134 | C10H14  | 000527-84-4 | 42   |
| 3    |    |   | Benzene, 1-methyl-3-(1-methylethyl)- | 134 | C10H14  | 000535-77-3 | 42   |
| 4    |    |   | Benzene, 1,2,4,5-tetramethyl-        | 134 | C10H14  | 000095-93-2 | 30   |
| 5    |    |   | Benzene, 1-ethyl-3,5-dimethyl-       | 134 | C10H14  | 000934-74-7 | 30   |



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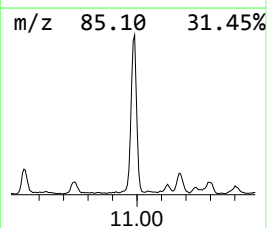
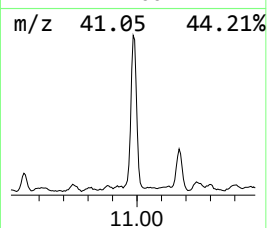
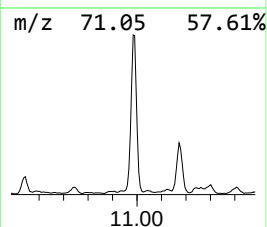
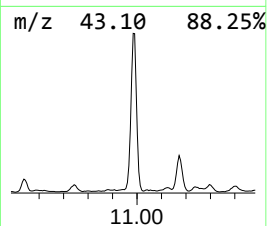
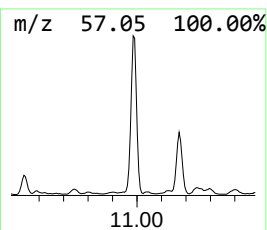
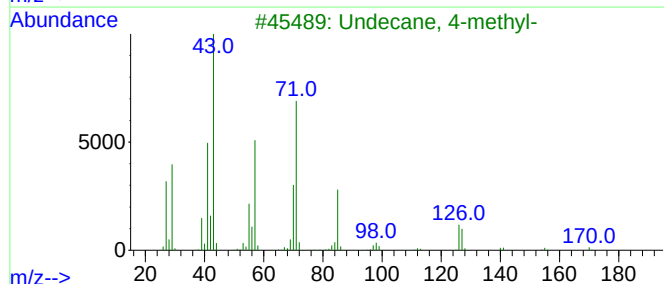
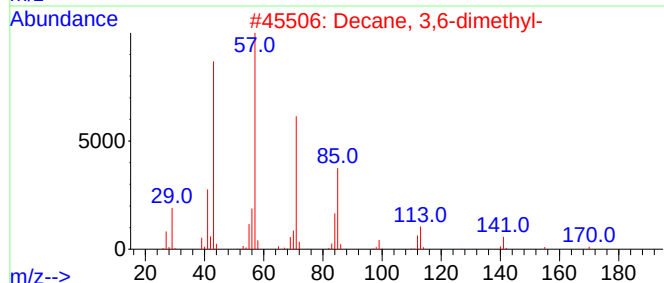
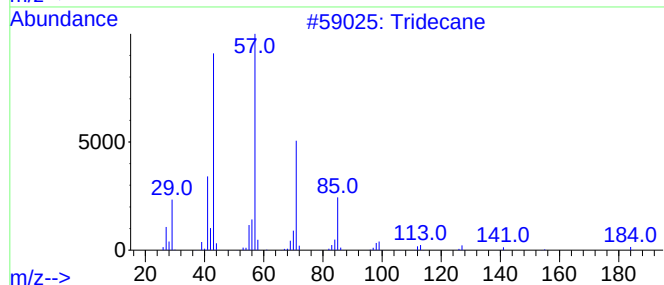
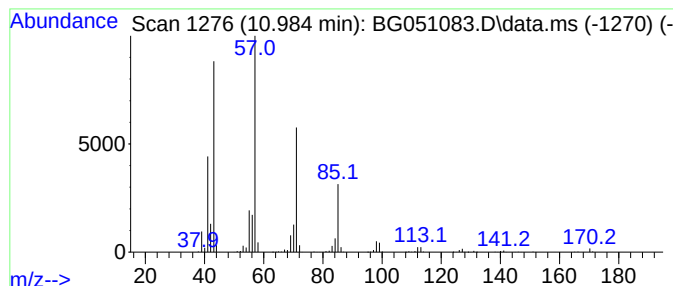
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG111321.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Tridecane Concentration Rank 3

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 10.984 | 85.38 ng | 1358330 | Naphthalene-d8   | 11.055 |

| Hit# | of | 5 | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------|-----|---------|-------------|------|
| 1    |    |   | Tridecane             | 184 | C13H28  | 000629-50-5 | 86   |
| 2    |    |   | Decane, 3,6-dimethyl- | 170 | C12H26  | 017312-53-7 | 86   |
| 3    |    |   | Undecane, 4-methyl-   | 170 | C12H26  | 002980-69-0 | 74   |
| 4    |    |   | Undecane, 5-methyl-   | 170 | C12H26  | 001632-70-8 | 72   |
| 5    |    |   | Hexadecane            | 226 | C16H34  | 000544-76-3 | 64   |



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Data File : BG051083.D  
Acq On : 17 Nov 2021 2:03  
Operator : CG/JU  
Sample : M4619-03 5X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
HR-02-111021

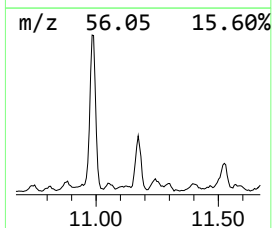
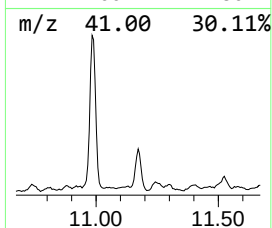
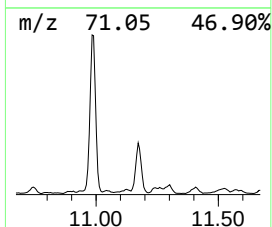
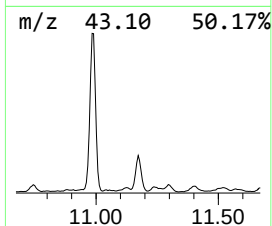
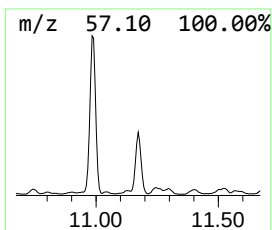
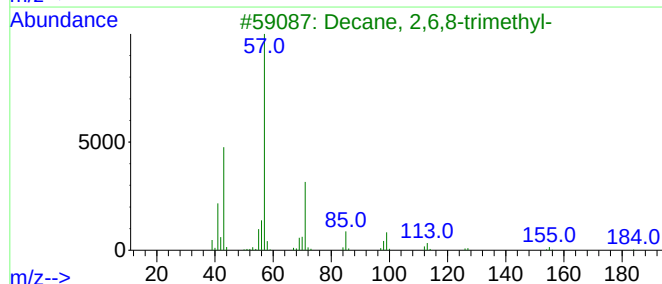
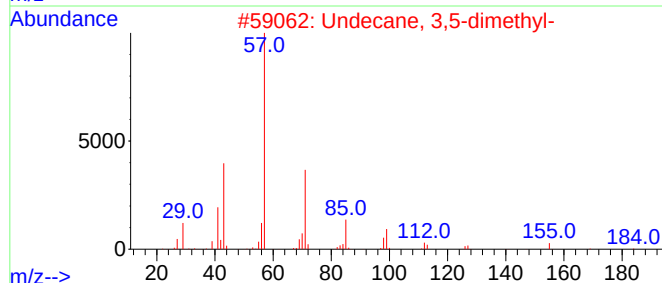
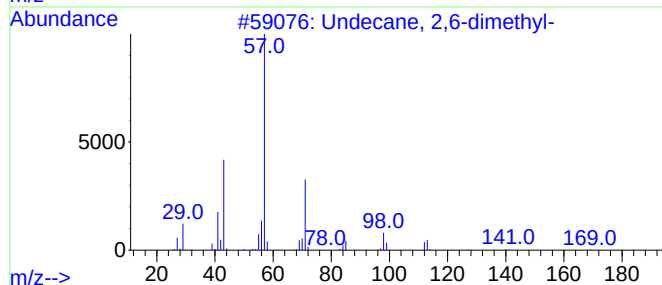
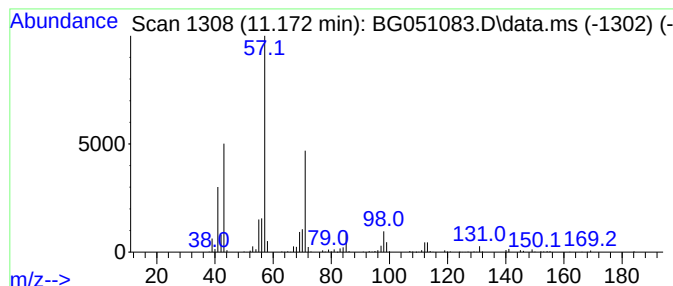
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Undecane, 2,6-dimethyl- Concentration Rank 9

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.   |
|--------|----------|--------|------------------|--------|
| 11.172 | 32.93 ng | 523968 | Naphthalene-d8   | 11.055 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Undecane, 2,6-dimethyl-     | 184 | C13H28  | 017301-23-4 | 97   |
| 2    |    |   | Undecane, 3,5-dimethyl-     | 184 | C13H28  | 017312-81-1 | 80   |
| 3    |    |   | Decane, 2,6,8-trimethyl-    | 184 | C13H28  | 062108-26-3 | 70   |
| 4    |    |   | Dodecane, 6-methyl-         | 184 | C13H28  | 006044-71-9 | 68   |
| 5    |    |   | Dodecane, 2,6,10-trimethyl- | 212 | C15H32  | 003891-98-3 | 64   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG111621\  
Data File : BG051083.D  
Acq On : 17 Nov 2021 2:03  
Operator : CG/JU  
Sample : M4619-03 5X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
HR-02-111021

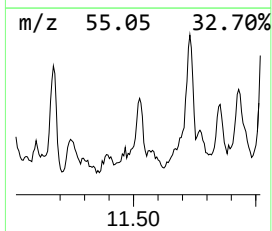
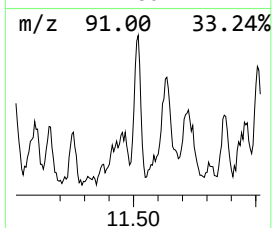
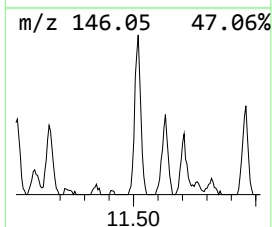
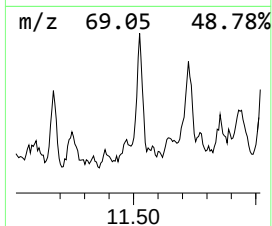
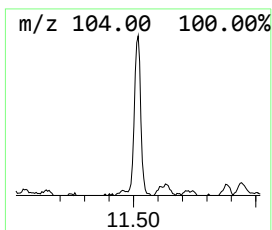
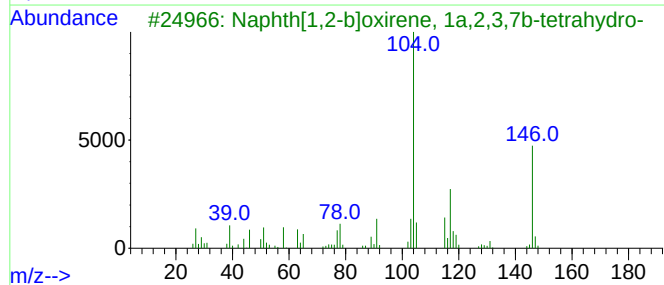
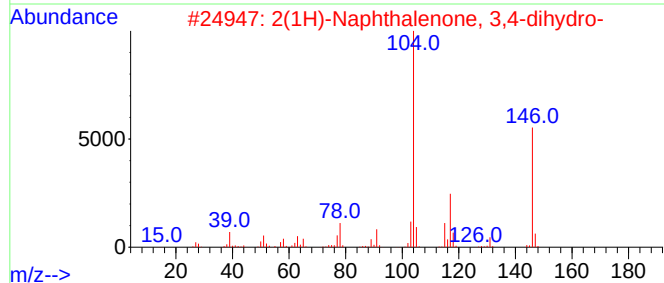
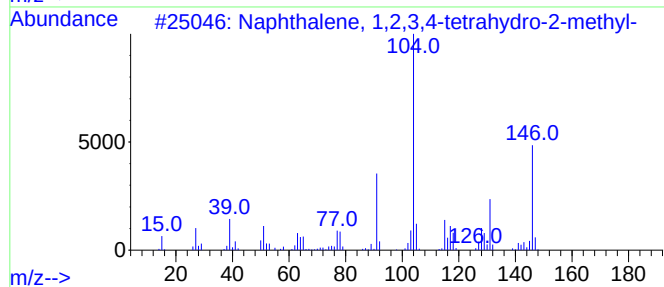
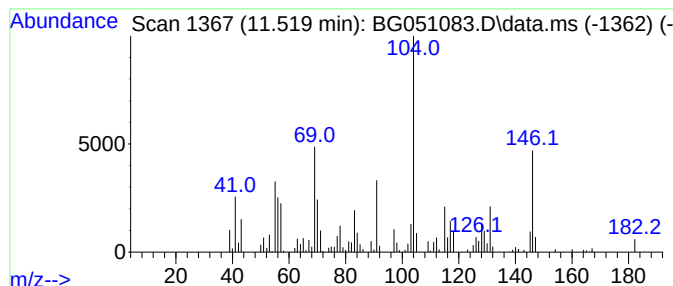
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Naphthalene, 1,2,3,4-tetrahydro-... Concentration Rank 20

| R.T.   | EstConc  | Area                                | Relative to ISTD |         | R.T.        |      |
|--------|----------|-------------------------------------|------------------|---------|-------------|------|
| 11.519 | 15.89 ng | 252729                              | Naphthalene-d8   |         | 11.055      |      |
| Hit#   | of 5     | Tentative ID                        | MW               | MolForm | CAS#        | Qual |
| 1      |          | Naphthalene, 1,2,3,4-tetrahydro-... | 146              | C11H14  | 003877-19-8 | 91   |
| 2      |          | 2(1H)-Naphthalenone, 3,4-dihydro-   | 146              | C10H10O | 000530-93-8 | 58   |
| 3      |          | Naphth[1,2-b]oxirene, 1a,2,3,7b-... | 146              | C10H10O | 002461-34-9 | 52   |
| 4      |          | Pyrazolo[1,5-a]pyridine, 2,3-dim... | 146              | C9H10N2 | 028537-56-6 | 43   |
| 5      |          | 2-Methylbenzyl cyanide              | 131              | C9H9N   | 022364-68-7 | 38   |





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Operator : CG/JU  
Sample : M4619-03 5X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
HR-02-111021

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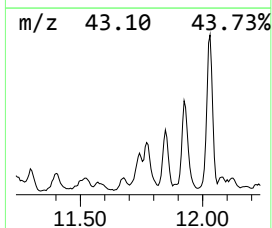
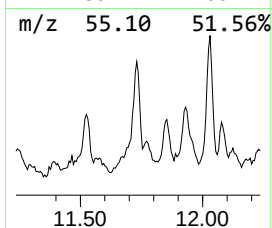
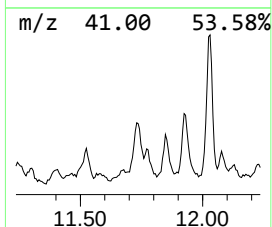
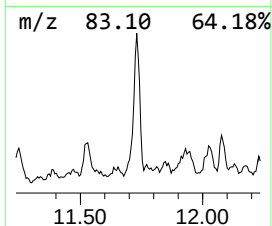
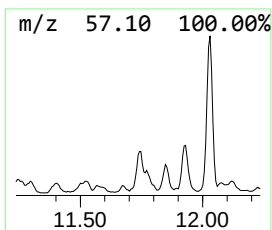
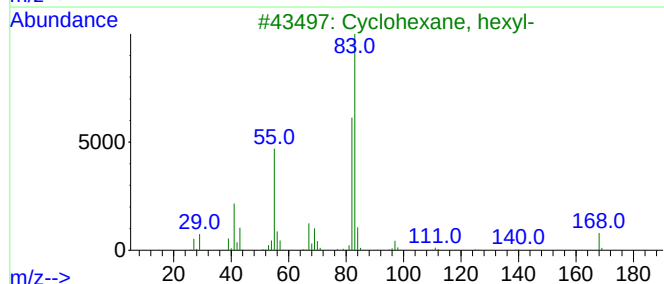
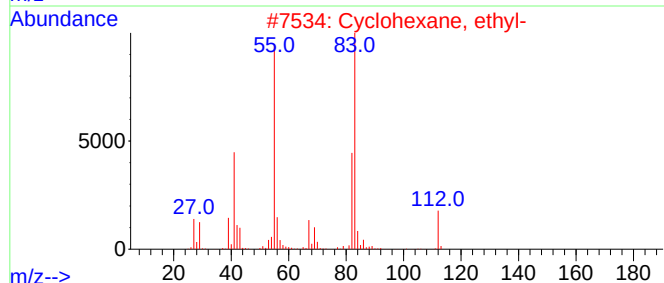
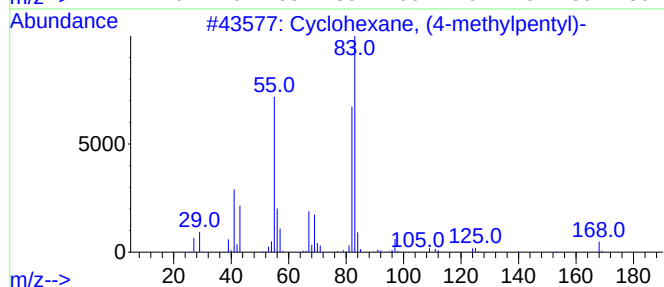
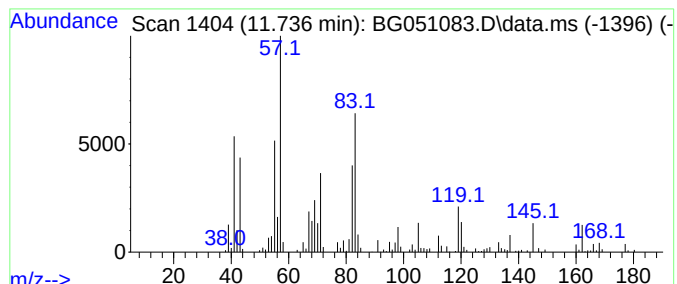
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TIC Integration Parameters: LSCINT.P

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Peak Number 5 unknown11.736 Concentration Rank 18

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.   |
|--------|----------|--------|------------------|--------|
| 11.736 | 20.01 ng | 318317 | Naphthalene-d8   | 11.055 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclohexane, (4-methylpentyl)- | 168 | C12H24  | 061142-20-9 | 41   |
| 2    |    |   | Cyclohexane, ethyl-            | 112 | C8H16   | 001678-91-7 | 38   |
| 3    |    |   | Cyclohexane, hexyl-            | 168 | C12H24  | 004292-75-5 | 35   |
| 4    |    |   | 2-Pentene, 3-ethyl-2-methyl-   | 112 | C8H16   | 019780-67-7 | 25   |
| 5    |    |   | Cyclohexane, (1-methylpropyl)- | 140 | C10H20  | 007058-01-7 | 22   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG111621\  
Data File : BG051083.D  
Acq On : 17 Nov 2021 2:03  
Operator : CG/JU  
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ALS Vial : 17 Sample Multiplier: 1

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ClientSampleId :  
HR-02-111021

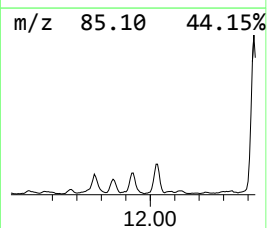
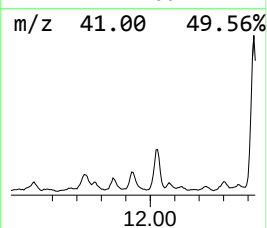
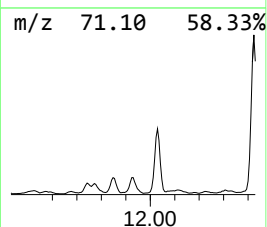
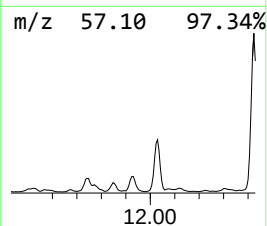
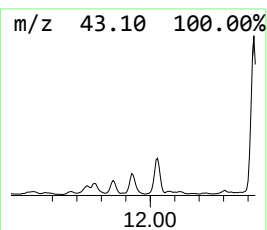
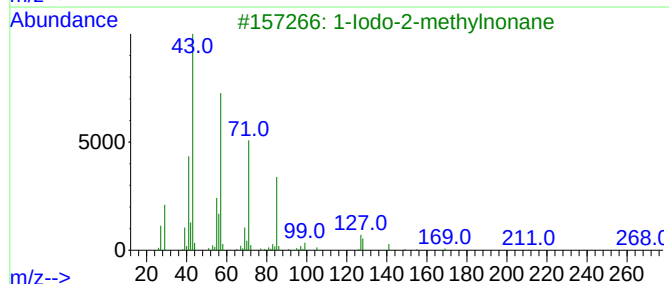
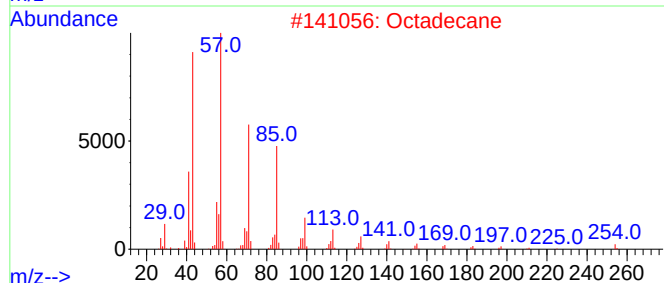
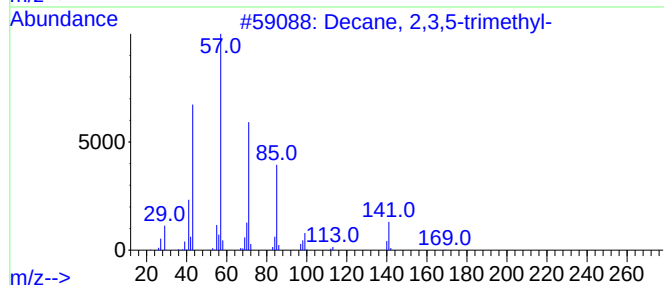
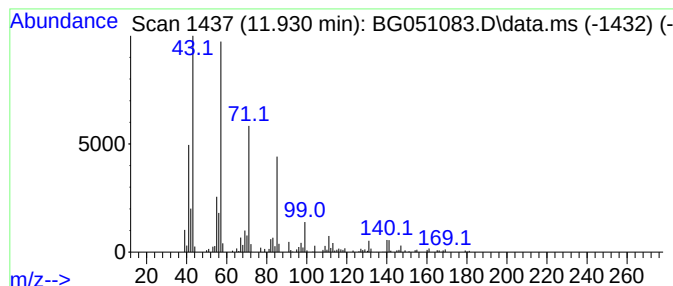
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Decane, 2,3,5-trimethyl- Concentration Rank 13

| R.T.      | EstConc                  | Area   | Relative to ISTD |         | R.T.         |      |
|-----------|--------------------------|--------|------------------|---------|--------------|------|
| 11.930    | 21.61 ng                 | 343886 | Naphthalene-d8   |         | 11.055       |      |
| Hit# of 5 | Tentative ID             |        | MW               | MolForm | CAS#         | Qual |
| 1         | Decane, 2,3,5-trimethyl- |        | 184              | C13H28  | 062238-11-3  | 59   |
| 2         | Octadecane               |        | 254              | C18H38  | 000593-45-3  | 59   |
| 3         | 1-Iodo-2-methylnonane    |        | 268              | C10H21I | 1000101-47-9 | 59   |
| 4         | Undecane, 5,7-dimethyl-  |        | 184              | C13H28  | 017312-83-3  | 50   |
| 5         | Tetradecane, 5-methyl-   |        | 212              | C15H32  | 025117-32-2  | 50   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG111621\  
Data File : BG051083.D  
Acq On : 17 Nov 2021 2:03  
Operator : CG/JU  
Sample : M4619-03 5X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

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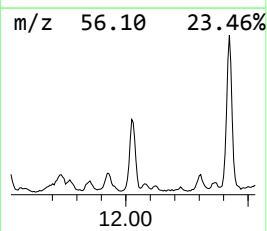
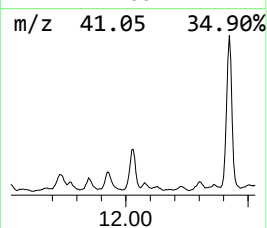
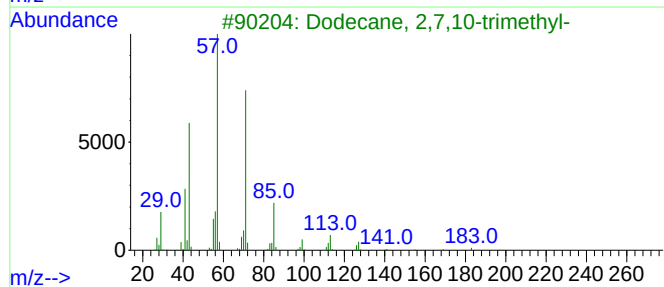
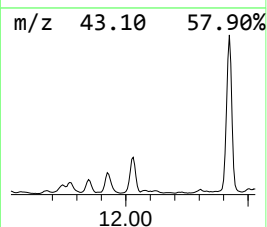
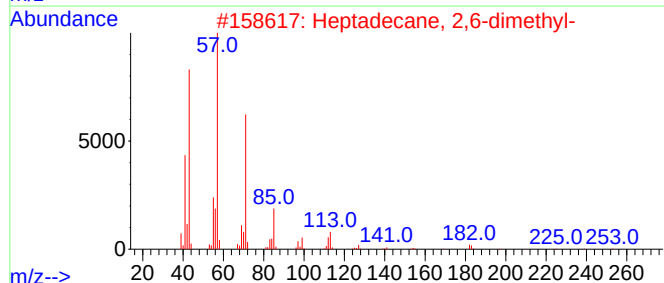
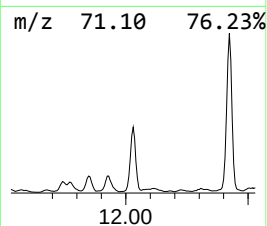
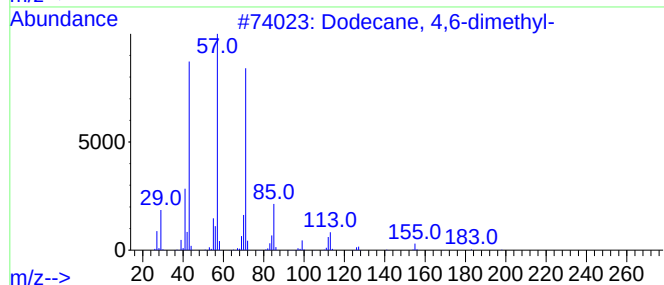
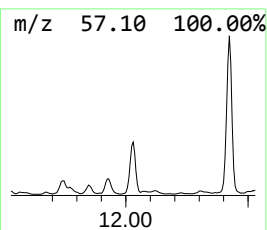
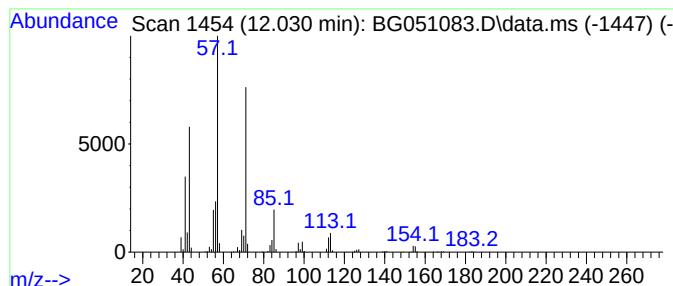
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Dodecane, 4,6-dimethyl- Concentration Rank 8

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.   |
|--------|----------|--------|------------------|--------|
| 12.030 | 37.00 ng | 588637 | Naphthalene-d8   | 11.055 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Dodecane, 4,6-dimethyl-             | 198 | C14H30    | 061141-72-8  | 86   |
| 2    |    |   | Heptadecane, 2,6-dimethyl-          | 268 | C19H40    | 054105-67-8  | 83   |
| 3    |    |   | Dodecane, 2,7,10-trimethyl-         | 212 | C15H32    | 074645-98-0  | 78   |
| 4    |    |   | Nonane, 2,6-dimethyl-               | 156 | C11H24    | 017302-28-2  | 72   |
| 5    |    |   | Sulfurous acid, decyl 2-ethylhex... | 334 | C18H38O3S | 1000309-19-3 | 72   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG111621\  
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Acq On : 17 Nov 2021 2:03  
Operator : CG/JU  
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Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
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HR-02-111021

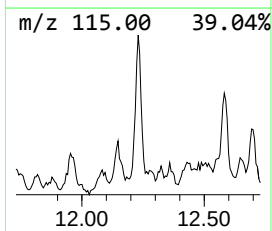
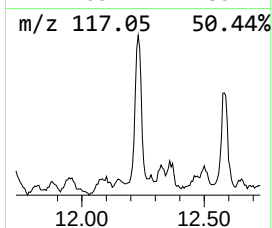
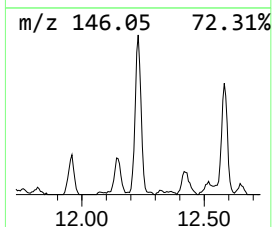
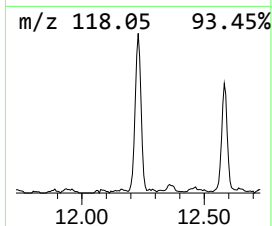
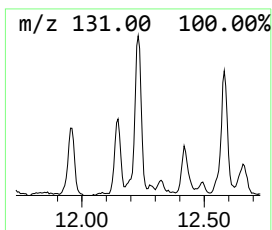
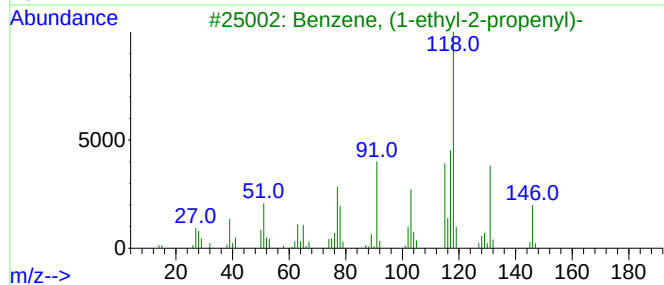
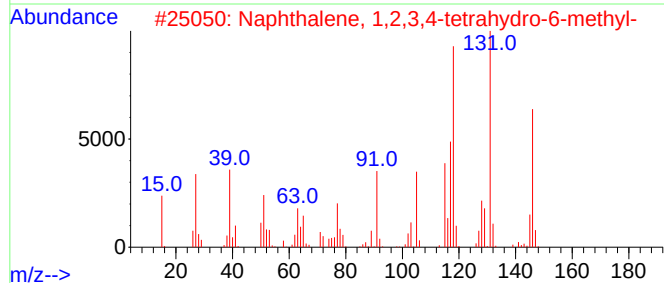
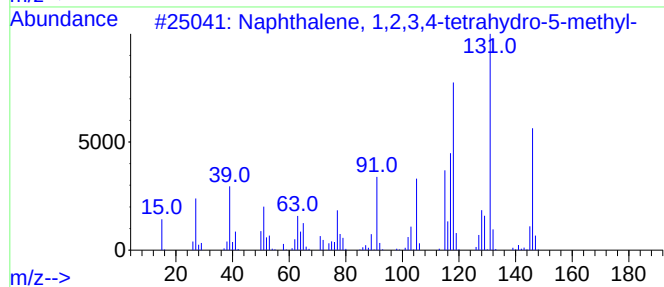
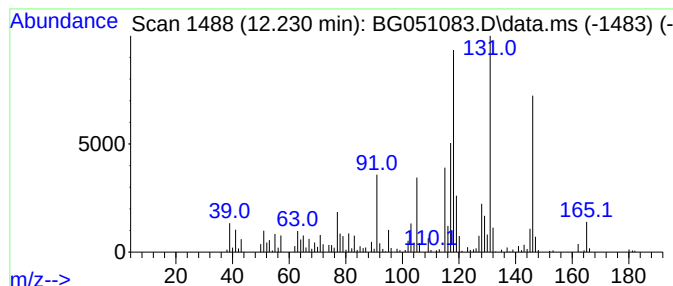
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TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 Naphthalene, 1,2,3,4-tetrahydro-... Concentration Rank 17

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 12.230    | 20.74 ng                            | 329967 | Naphthalene-d8   | 11.055      |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | Naphthalene, 1,2,3,4-tetrahydro-... | 146    | C11H14           | 002809-64-5 | 95   |
| 2         | Naphthalene, 1,2,3,4-tetrahydro-... | 146    | C11H14           | 001680-51-9 | 93   |
| 3         | Benzene, (1-ethyl-2-propenyl)-      | 146    | C11H14           | 019947-22-9 | 87   |
| 4         | Benzene, (1,2-dimethyl-1-propenyl)- | 146    | C11H14           | 000769-57-3 | 83   |
| 5         | Benzene, (2-methyl-1-butenyl)-      | 146    | C11H14           | 056253-64-6 | 55   |



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Data File : BG051083.D  
Acq On : 17 Nov 2021 2:03  
Operator : CG/JU  
Sample : M4619-03 5X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
HR-02-111021

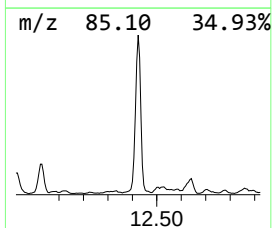
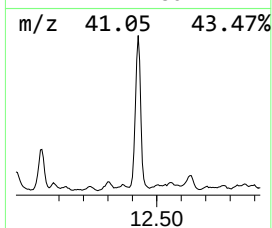
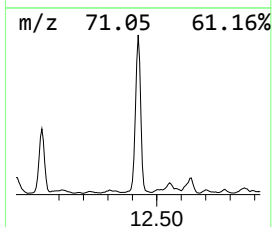
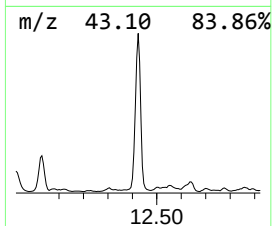
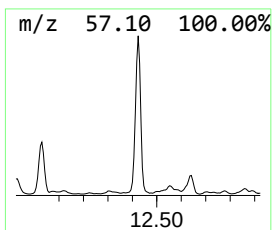
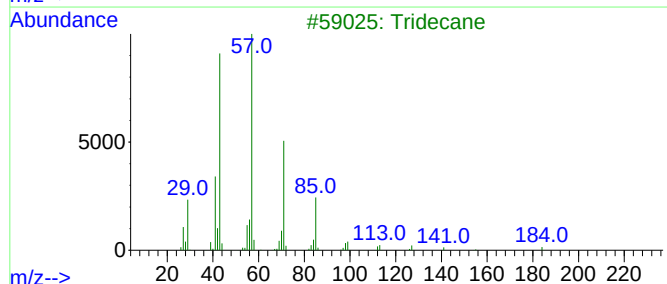
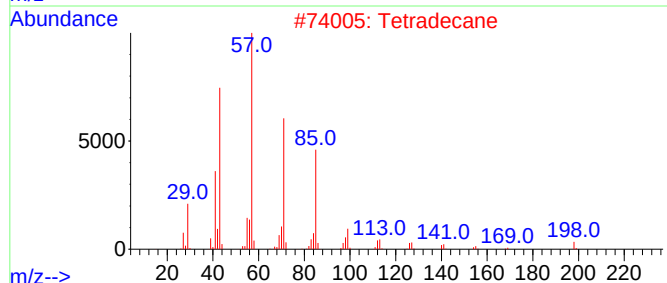
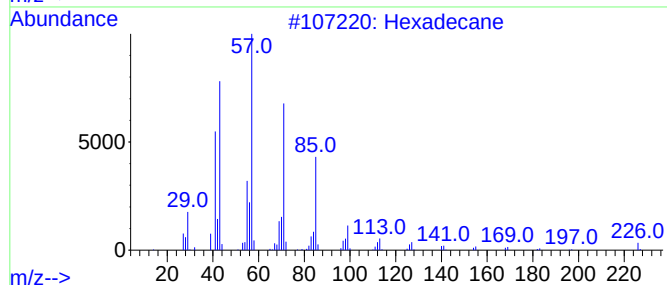
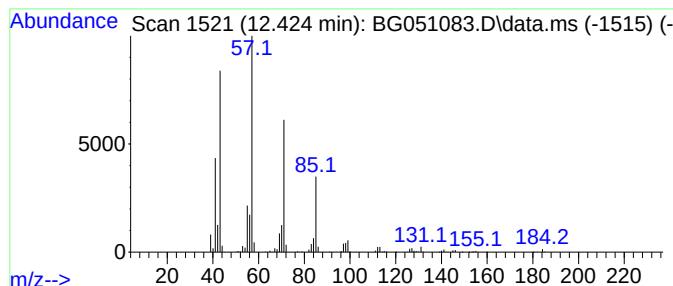
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Hexadecane Concentration Rank 1

| R.T.   | EstConc   | Area    | Relative to ISTD | R.T.   |
|--------|-----------|---------|------------------|--------|
| 12.424 | 118.97 ng | 1892780 | Naphthalene-d8   | 11.055 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------|-----|----------|-------------|------|
| 1    |    |   | Hexadecane              | 226 | C16H34   | 000544-76-3 | 90   |
| 2    |    |   | Tetradecane             | 198 | C14H30   | 000629-59-4 | 86   |
| 3    |    |   | Tridecane               | 184 | C13H28   | 000629-50-5 | 81   |
| 4    |    |   | Undecane, 2,6-dimethyl- | 184 | C13H28   | 017301-23-4 | 74   |
| 5    |    |   | 2-Bromo dodecane        | 248 | C12H25Br | 013187-99-0 | 64   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG111621\  
Data File : BG051083.D  
Acq On : 17 Nov 2021 2:03  
Operator : CG/JU  
Sample : M4619-03 5X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

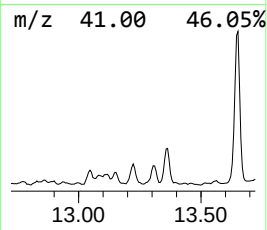
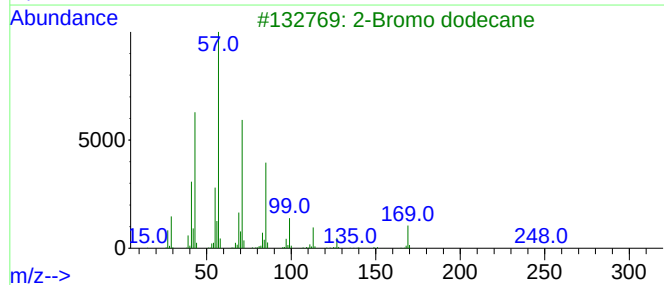
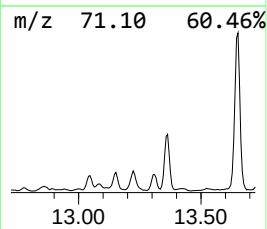
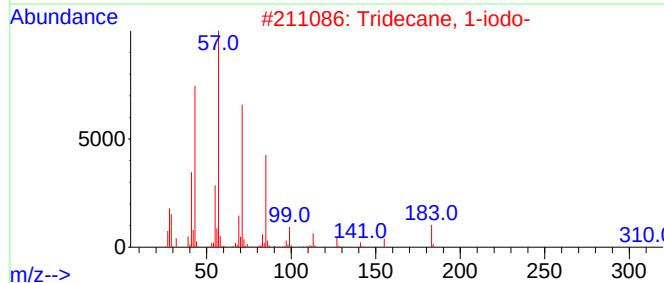
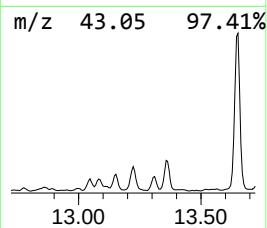
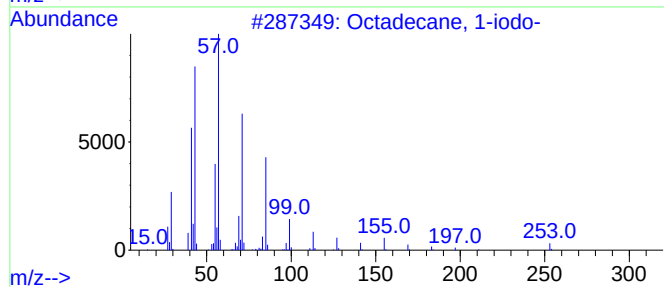
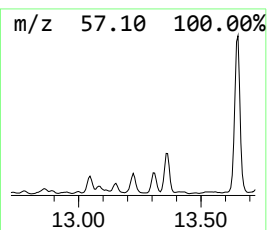
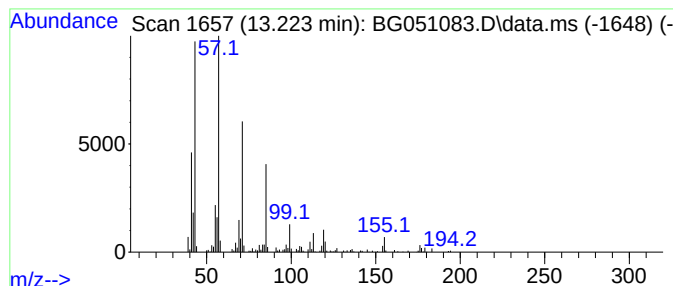
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ClientSampleId :  
HR-02-111021

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 Octadecane, 1-iodo- Concentration Rank 19

| R.T.      | EstConc                 | Area   | Relative to ISTD |          | R.T.        |      |
|-----------|-------------------------|--------|------------------|----------|-------------|------|
| 13.223    | 16.50 ng                | 445616 | Acenaphthene-d10 |          | 14.856      |      |
| Hit# of 5 | Tentative ID            |        | MW               | MolForm  | CAS#        | Qual |
| 1         | Octadecane, 1-iodo-     |        | 380              | C18H37I  | 000629-93-6 | 80   |
| 2         | Tridecane, 1-iodo-      |        | 310              | C13H27I  | 035599-77-0 | 80   |
| 3         | 2-Bromo dodecane        |        | 248              | C12H25Br | 013187-99-0 | 80   |
| 4         | Undecane, 3,8-dimethyl- |        | 184              | C13H28   | 017301-30-3 | 72   |
| 5         | Decane, 1-iodo-         |        | 268              | C10H21I  | 002050-77-3 | 72   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG111621\  
Data File : BG051083.D  
Acq On : 17 Nov 2021 2:03  
Operator : CG/JU  
Sample : M4619-03 5X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

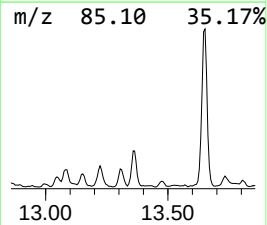
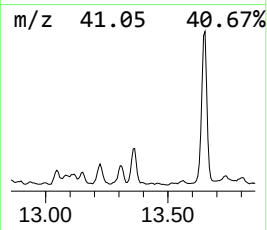
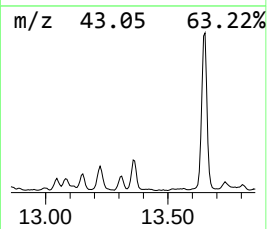
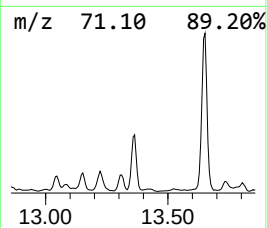
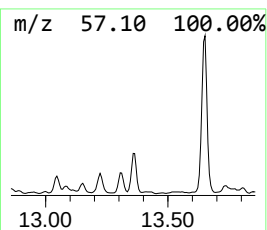
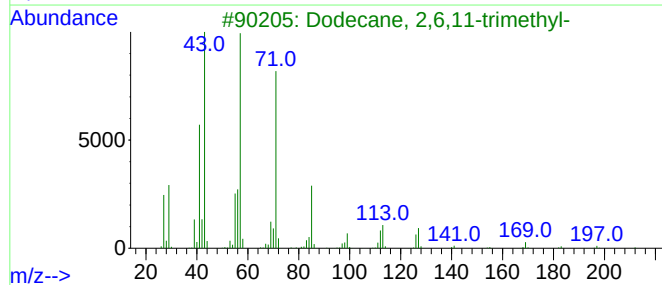
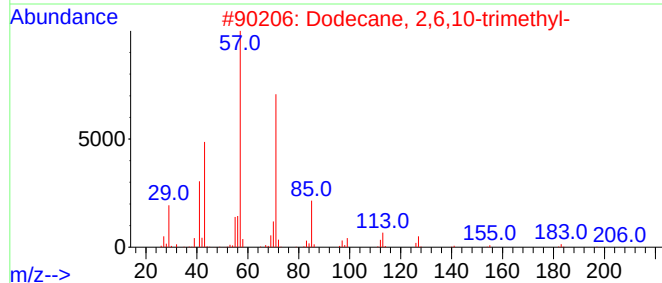
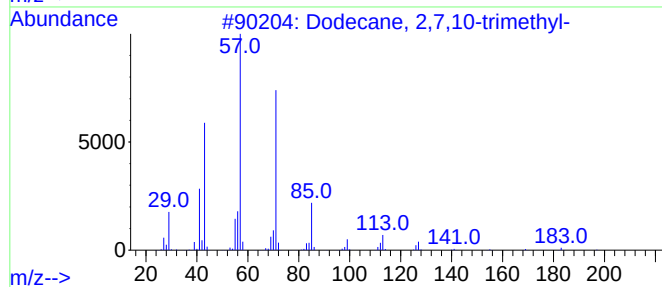
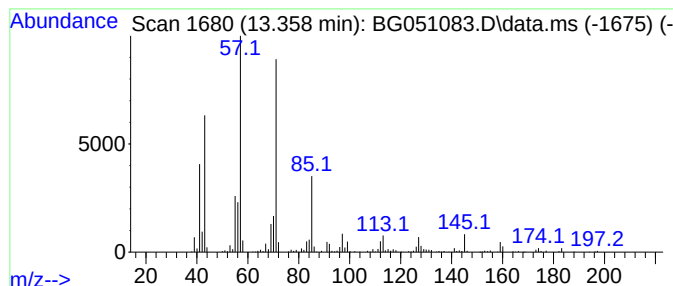
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ClientSampleId :  
HR-02-111021

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG111321.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 11 Dodecane, 2,7,10-trimethyl- Concentration Rank 16

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|--------|------------------|--------------|------|
| 13.358    | 20.81 ng                            | 562145 | Acenaphthene-d10 | 14.856       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#         | Qual |
| 1         | Dodecane, 2,7,10-trimethyl-         | 212    | C15H32           | 074645-98-0  | 91   |
| 2         | Dodecane, 2,6,10-trimethyl-         | 212    | C15H32           | 003891-98-3  | 72   |
| 3         | Dodecane, 2,6,11-trimethyl-         | 212    | C15H32           | 031295-56-4  | 72   |
| 4         | Sulfurous acid, 2-ethylhexyl pen... | 264    | C13H28O3S        | 1000309-18-9 | 53   |
| 5         | Octane, 2,3,6-trimethyl-            | 156    | C11H24           | 062016-33-5  | 53   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG111621\  
Data File : BG051083.D  
Acq On : 17 Nov 2021 2:03  
Operator : CG/JU  
Sample : M4619-03 5X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
HR-02-111021

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

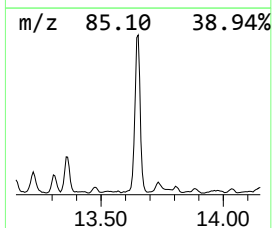
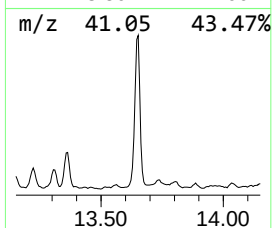
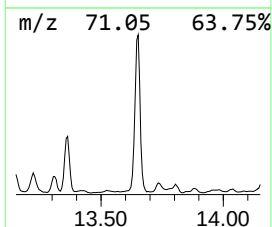
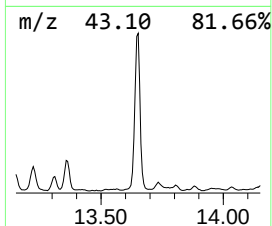
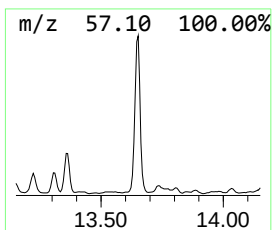
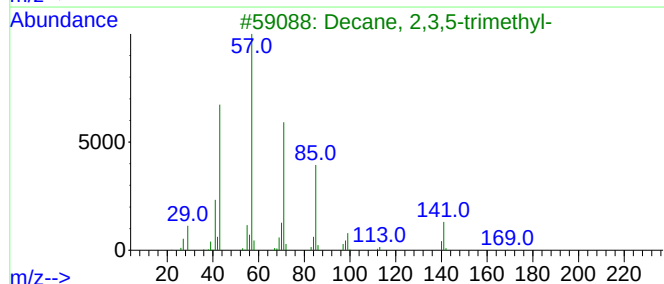
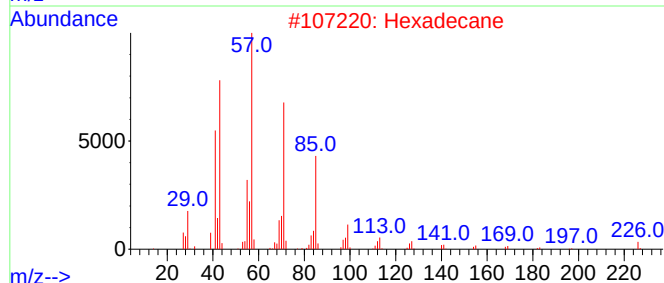
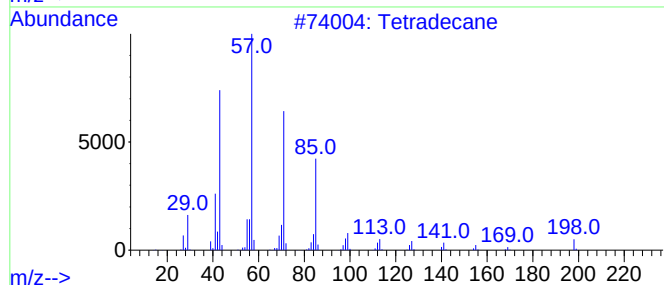
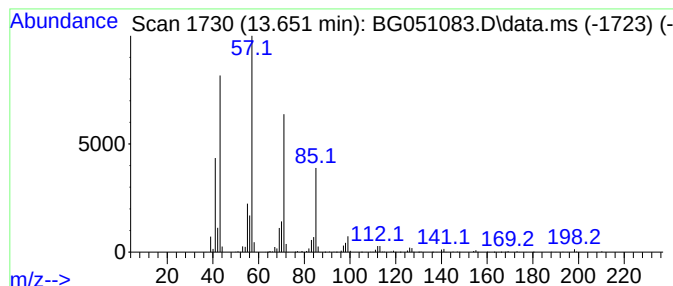
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TIC Integration Parameters: LSCINT.P

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Peak Number 12 Tetradecane Concentration Rank 4

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 13.652 | 72.57 ng | 1960100 | Acenaphthene-d10 | 14.856 |

| Hit# | of 5 | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|------|--------------------------|-----|---------|-------------|------|
| 1    |      | Tetradecane              | 198 | C14H30  | 000629-59-4 | 94   |
| 2    |      | Hexadecane               | 226 | C16H34  | 000544-76-3 | 91   |
| 3    |      | Decane, 2,3,5-trimethyl- | 184 | C13H28  | 062238-11-3 | 90   |
| 4    |      | 1-Undecene, 4-methyl-    | 168 | C12H24  | 074630-39-0 | 72   |
| 5    |      | Tridecane, 7-methyl-     | 198 | C14H30  | 026730-14-3 | 64   |





Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG111621\  
Data File : BG051083.D  
Acq On : 17 Nov 2021 2:03  
Operator : CG/JU  
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Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
HR-02-111021

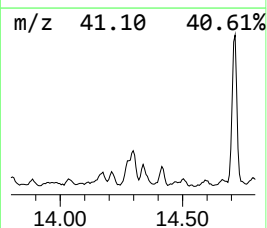
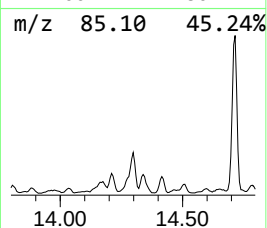
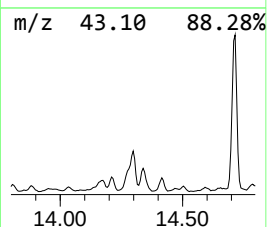
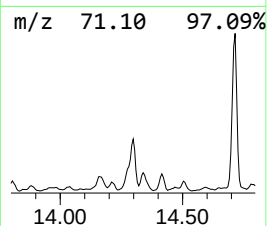
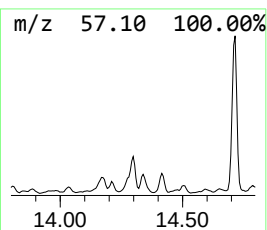
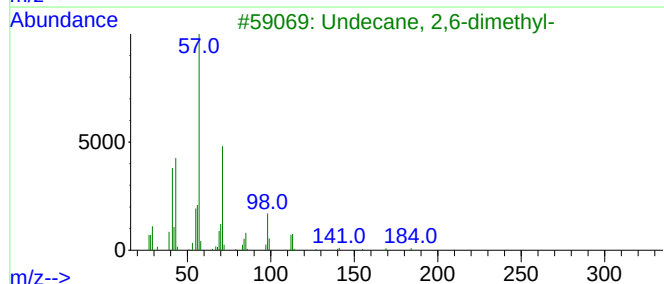
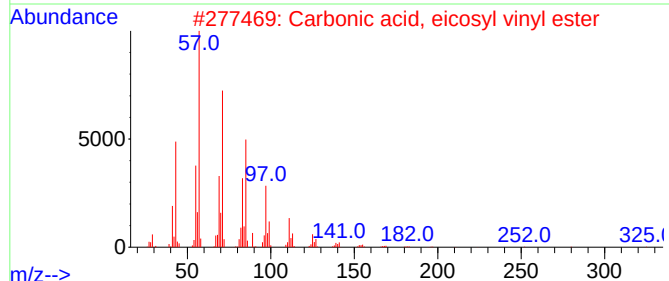
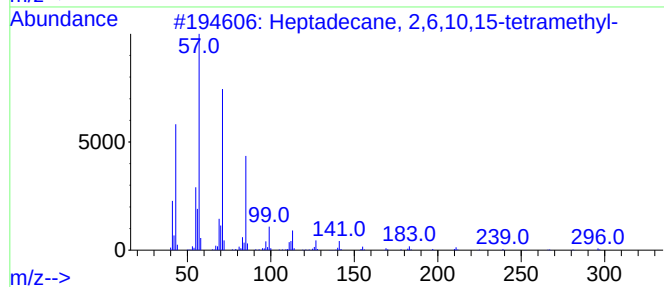
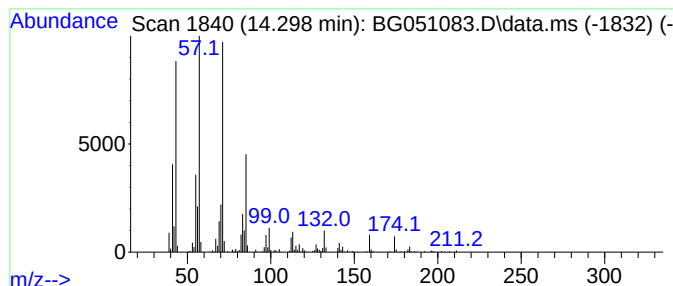
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 13 Heptadecane, 2,6,10,15-tetr... Concentration Rank 11

| R.T.      | EstConc                             | Area   | Relative to ISTD |          | R.T.         |      |
|-----------|-------------------------------------|--------|------------------|----------|--------------|------|
| 14.298    | 24.06 ng                            | 649947 | Acenaphthene-d10 |          | 14.856       |      |
| Hit# of 5 | Tentative ID                        |        | MW               | MolForm  | CAS#         | Qual |
| 1         | Heptadecane, 2,6,10,15-tetramethyl- |        | 296              | C21H44   | 054833-48-6  | 80   |
| 2         | Carbonic acid, eicosyl vinyl ester  |        | 368              | C23H44O3 | 1000382-54-3 | 80   |
| 3         | Undecane, 2,6-dimethyl-             |        | 184              | C13H28   | 017301-23-4  | 72   |
| 4         | Decane, 5-propyl-                   |        | 184              | C13H28   | 017312-62-8  | 68   |
| 5         | 1-Iodo-2-methylnonane               |        | 268              | C10H21I  | 1000101-47-9 | 64   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG111621\  
Data File : BG051083.D  
Acq On : 17 Nov 2021 2:03  
Operator : CG/JU  
Sample : M4619-03 5X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
HR-02-111021

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG111321.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

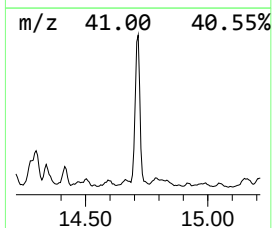
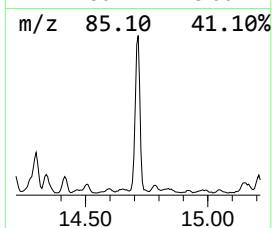
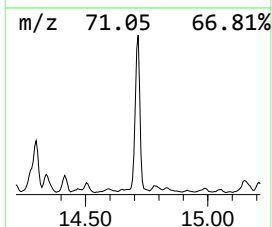
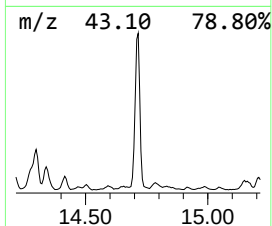
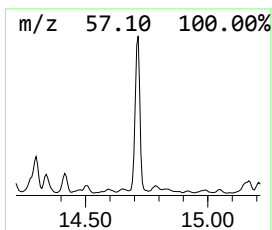
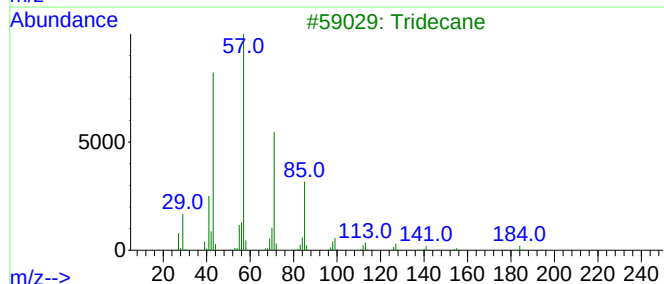
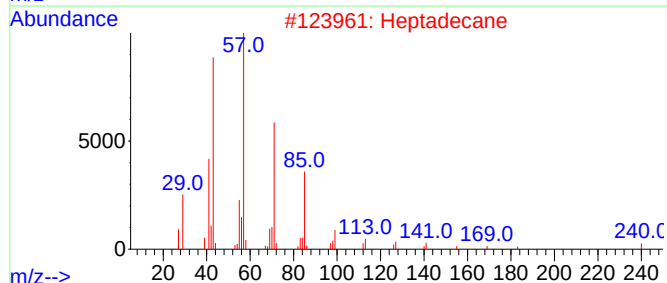
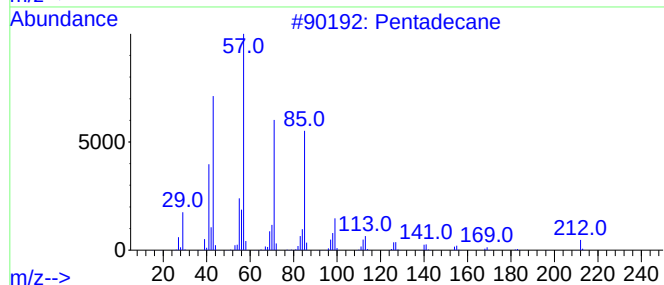
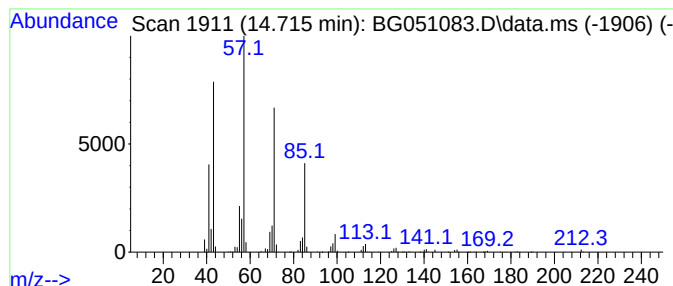
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TIC Integration Parameters: LSCINT.P

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Peak Number 14 Pentadecane Concentration Rank 6

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 14.715 | 52.65 ng | 1422010 | Acenaphthene-d10 | 14.856 |

| Hit# | of 5 | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|------|--------------------------|-----|---------|-------------|------|
| 1    |      | Pentadecane              | 212 | C15H32  | 000629-62-9 | 95   |
| 2    |      | Heptadecane              | 240 | C17H36  | 000629-78-7 | 90   |
| 3    |      | Tridecane                | 184 | C13H28  | 000629-50-5 | 90   |
| 4    |      | Nonane, 3,7-dimethyl-    | 156 | C11H24  | 017302-32-8 | 83   |
| 5    |      | Decane, 2,4,6-trimethyl- | 184 | C13H28  | 062108-27-4 | 78   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG111621\  
Data File : BG051083.D  
Acq On : 17 Nov 2021 2:03  
Operator : CG/JU  
Sample : M4619-03 5X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
HR-02-111021

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

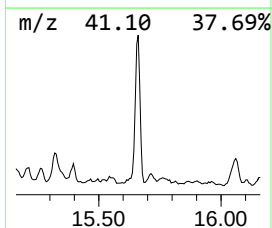
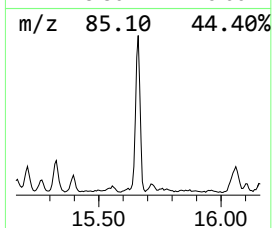
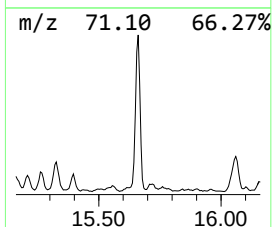
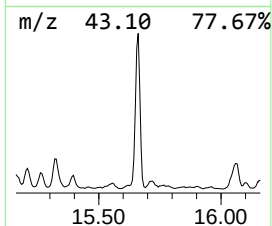
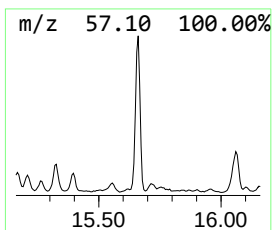
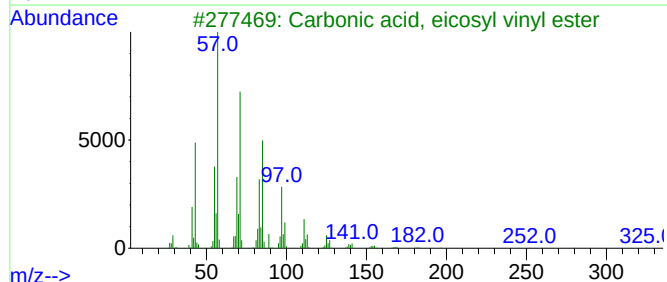
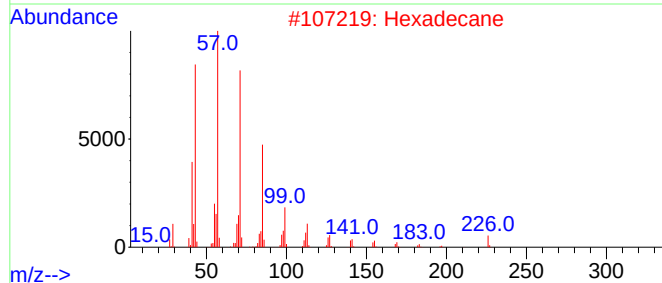
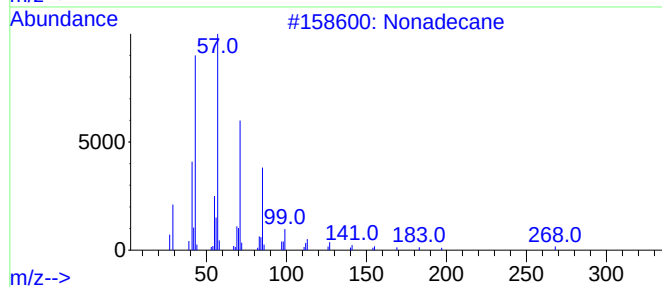
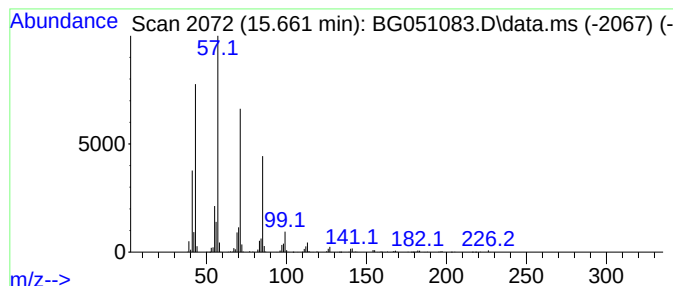
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 15 Nonadecane Concentration Rank 10

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.   |
|--------|----------|--------|------------------|--------|
| 15.661 | 32.42 ng | 875487 | Acenaphthene-d10 | 14.856 |

| Hit# | of 5 | Tentative ID                       | MW  | MolForm  | CAS#         | Qual |
|------|------|------------------------------------|-----|----------|--------------|------|
| 1    |      | Nonadecane                         | 268 | C19H40   | 000629-92-5  | 91   |
| 2    |      | Hexadecane                         | 226 | C16H34   | 000544-76-3  | 90   |
| 3    |      | Carbonic acid, eicosyl vinyl ester | 368 | C23H44O3 | 1000382-54-3 | 80   |
| 4    |      | Tetradecane, 1-iodo-               | 324 | C14H29I  | 019218-94-1  | 80   |
| 5    |      | Pentadecane, 7-methyl-             | 226 | C16H34   | 006165-40-8  | 76   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG111621\  
Data File : BG051083.D  
Acq On : 17 Nov 2021 2:03  
Operator : CG/JU  
Sample : M4619-03 5X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
HR-02-111021

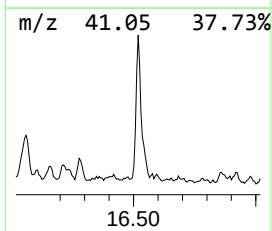
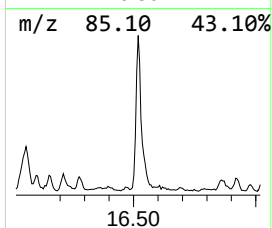
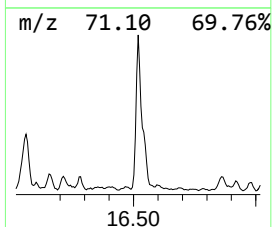
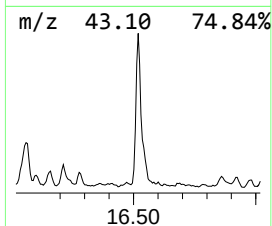
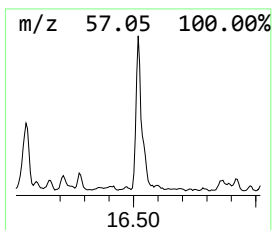
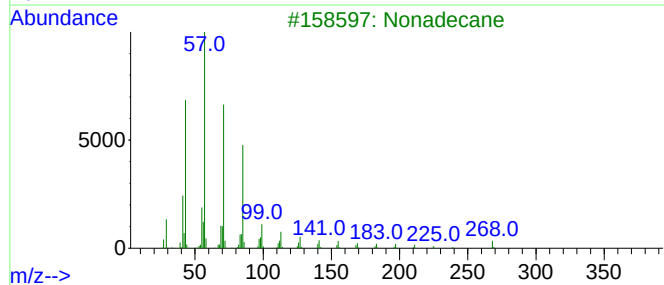
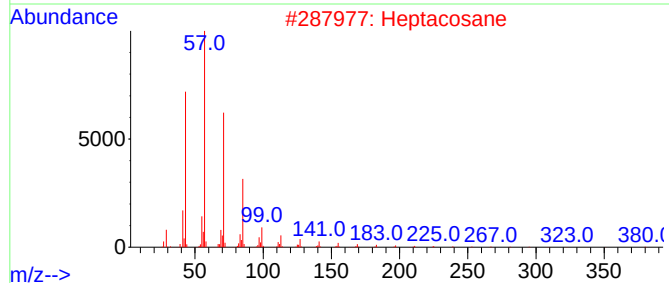
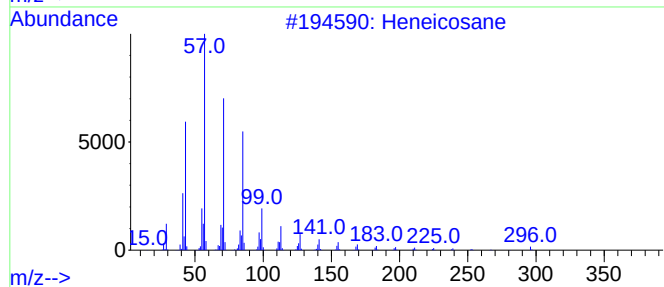
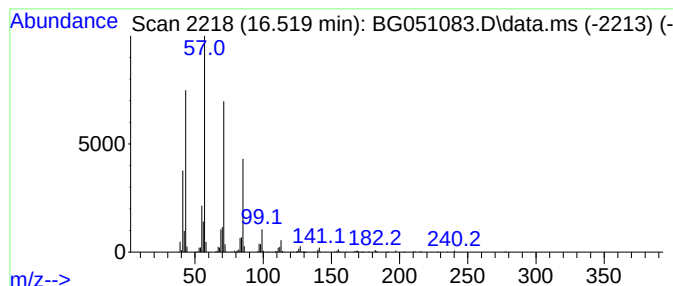
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 16 Heneicosane Concentration Rank 14

| R.T.      | EstConc      | Area   | Relative to ISTD |         | R.T.        |      |
|-----------|--------------|--------|------------------|---------|-------------|------|
| 16.519    | 21.58 ng     | 667150 | Phenanthrene-d10 |         | 17.606      |      |
| Hit# of 5 | Tentative ID |        | MW               | MolForm | CAS#        | Qual |
| 1         | Heneicosane  |        | 296              | C21H44  | 000629-94-7 | 90   |
| 2         | Heptacosane  |        | 380              | C27H56  | 000593-49-7 | 90   |
| 3         | Nonadecane   |        | 268              | C19H40  | 000629-92-5 | 90   |
| 4         | Heptadecane  |        | 240              | C17H36  | 000629-78-7 | 86   |
| 5         | Tetradecane  |        | 198              | C14H30  | 000629-59-4 | 86   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG111621\  
Data File : BG051083.D  
Acq On : 17 Nov 2021 2:03  
Operator : CG/JU  
Sample : M4619-03 5X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
HR-02-111021

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG111321.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

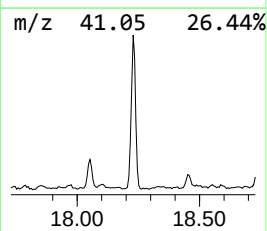
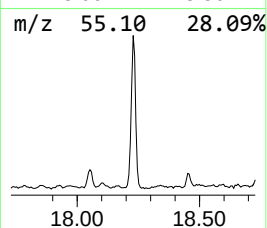
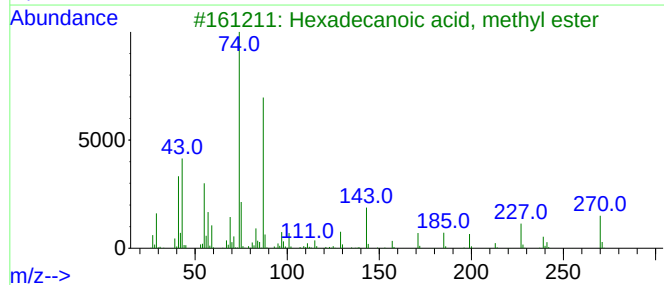
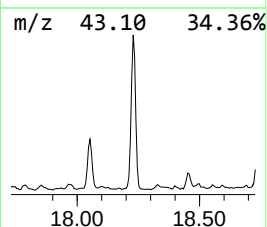
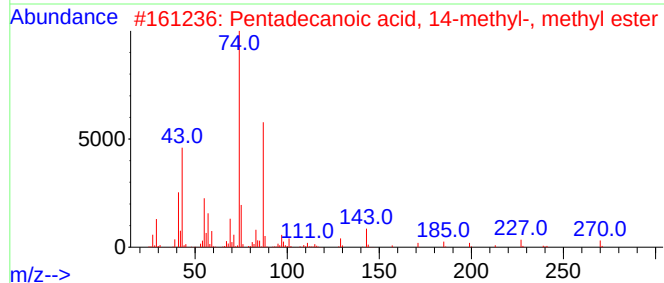
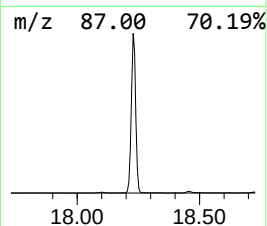
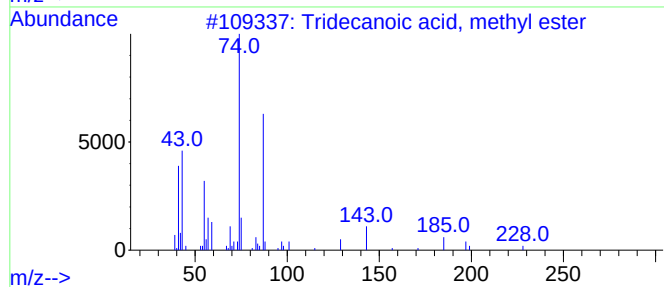
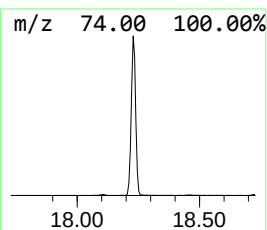
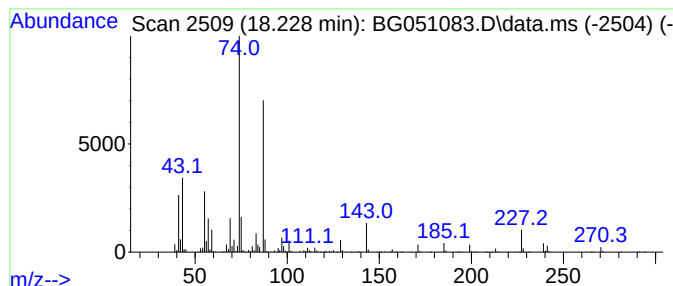
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Peak Number 17 Tridecanoic acid, methyl ester Concentration Rank 7

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 18.229 | 40.30 ng | 1245930 | Phenanthrene-d10 | 17.606 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Tridecanoic acid, methyl ester      | 228 | C14H28O2 | 001731-88-0  | 94   |
| 2    |    |   | Pentadecanoic acid, 14-methyl-, ... | 270 | C17H34O2 | 005129-60-2  | 93   |
| 3    |    |   | Hexadecanoic acid, methyl ester     | 270 | C17H34O2 | 000112-39-0  | 91   |
| 4    |    |   | Pentadecanoic acid, methyl ester    | 256 | C16H32O2 | 007132-64-1  | 86   |
| 5    |    |   | Methyl 11-methyl-dodecanoate        | 228 | C14H28O2 | 1000336-45-1 | 83   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG111621\  
Data File : BG051083.D  
Acq On : 17 Nov 2021 2:03  
Operator : CG/JU  
Sample : M4619-03 5X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
HR-02-111021

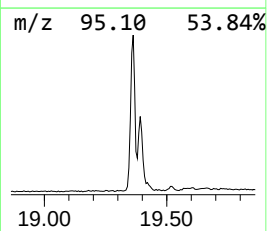
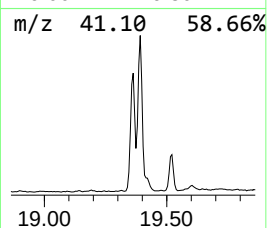
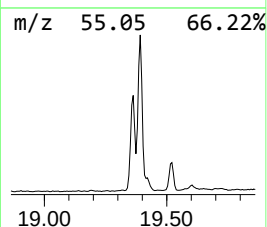
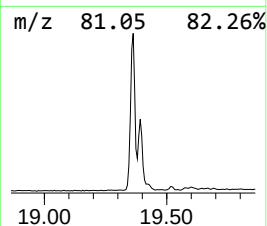
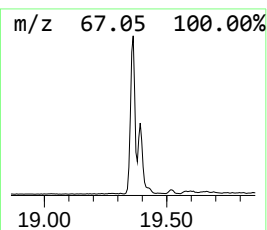
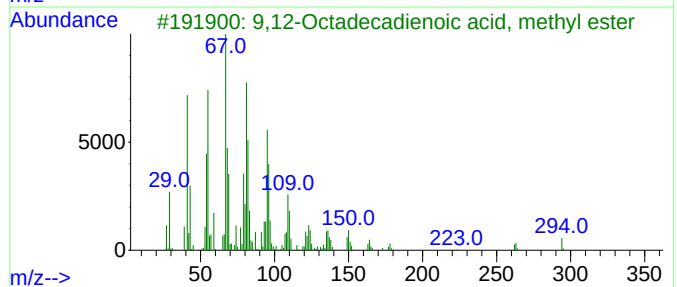
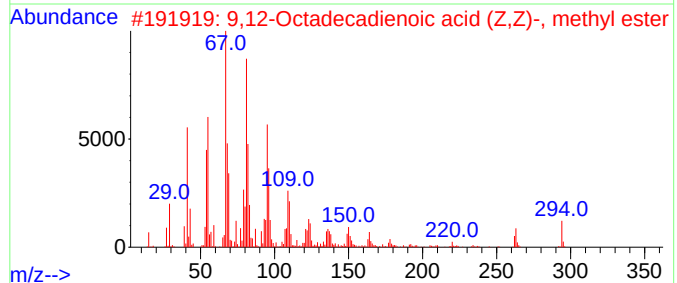
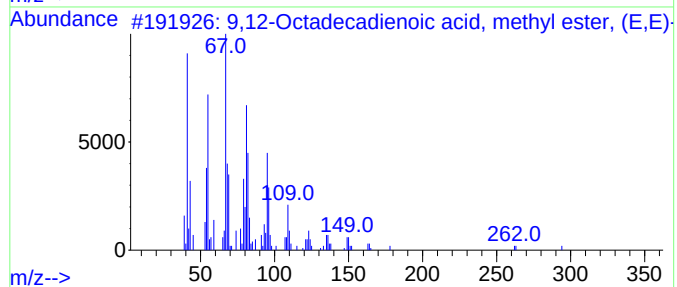
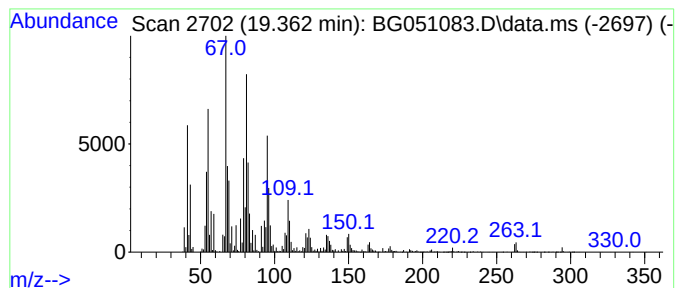
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 18 9,12-Octadecadienoic acid, ... Concentration Rank 5

| R.T.      | EstConc                             | Area    | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|---------|------------------|-------------|------|
| 19.362    | 71.90 ng                            | 2223130 | Phenanthrene-d10 | 17.606      |      |
| Hit# of 5 | Tentative ID                        | MW      | MolForm          | CAS#        | Qual |
| 1         | 9,12-Octadecadienoic acid, methy... | 294     | C19H34O2         | 002566-97-4 | 99   |
| 2         | 9,12-Octadecadienoic acid (Z,Z)-... | 294     | C19H34O2         | 000112-63-0 | 99   |
| 3         | 9,12-Octadecadienoic acid, methy... | 294     | C19H34O2         | 002462-85-3 | 99   |
| 4         | 9,15-Octadecadienoic acid, methy... | 294     | C19H34O2         | 017309-05-6 | 99   |
| 5         | Methyl 9-cis,11-trans-octadecadi... | 294     | C19H34O2         | 013058-52-1 | 98   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG111621\  
Data File : BG051083.D  
Acq On : 17 Nov 2021 2:03  
Operator : CG/JU  
Sample : M4619-03 5X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
HR-02-111021

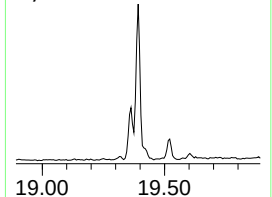
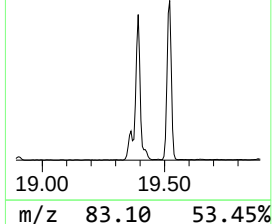
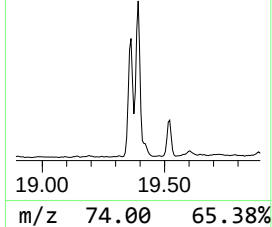
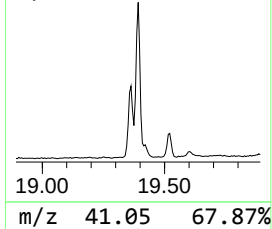
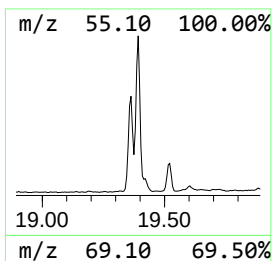
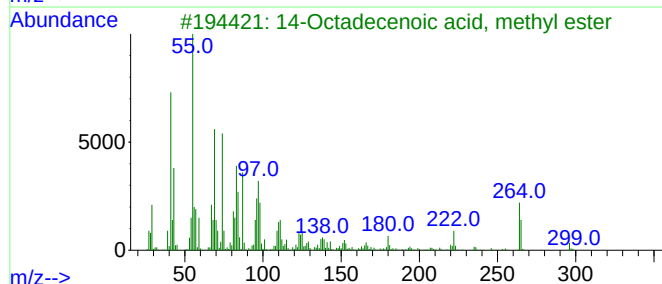
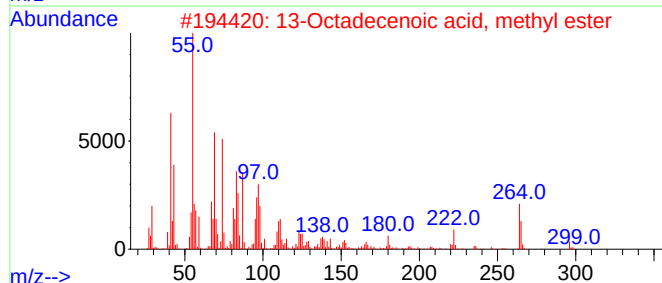
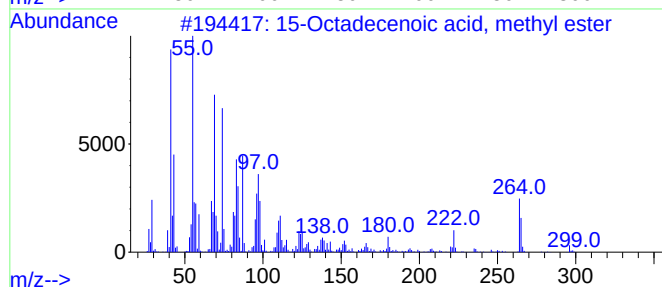
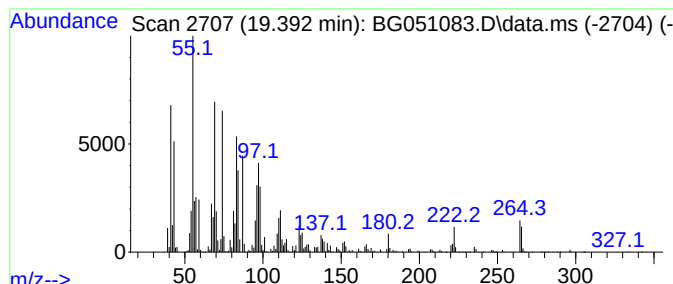
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 19 15-Octadecenoic acid, methyl... Concentration Rank 2

| R.T.      | EstConc                            | Area    | Relative to ISTD | R.T.        |      |
|-----------|------------------------------------|---------|------------------|-------------|------|
| 19.392    | 89.48 ng                           | 2766640 | Phenanthrene-d10 | 17.606      |      |
| Hit# of 5 | Tentative ID                       | MW      | MolForm          | CAS#        | Qual |
| 1         | 15-Octadecenoic acid, methyl ester | 296     | C19H36O2         | 004764-72-1 | 99   |
| 2         | 13-Octadecenoic acid, methyl ester | 296     | C19H36O2         | 056554-47-3 | 99   |
| 3         | 14-Octadecenoic acid, methyl ester | 296     | C19H36O2         | 056554-48-4 | 99   |
| 4         | 16-Octadecenoic acid, methyl ester | 296     | C19H36O2         | 056554-49-5 | 99   |
| 5         | 12-Octadecenoic acid, methyl ester | 296     | C19H36O2         | 056554-46-2 | 98   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG111621\  
Data File : BG051083.D  
Acq On : 17 Nov 2021 2:03  
Operator : CG/JU  
Sample : M4619-03 5X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
HR-02-111021

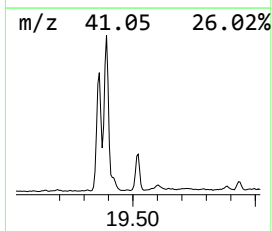
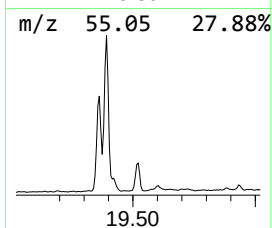
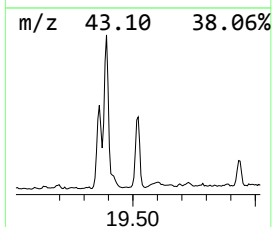
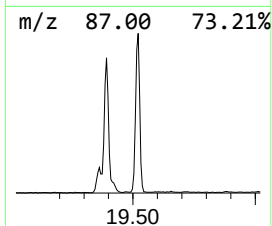
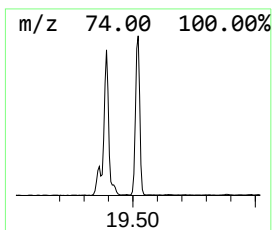
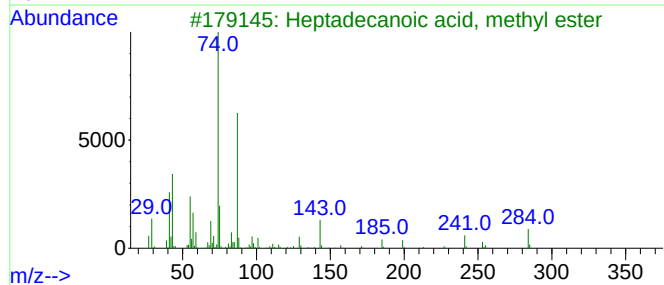
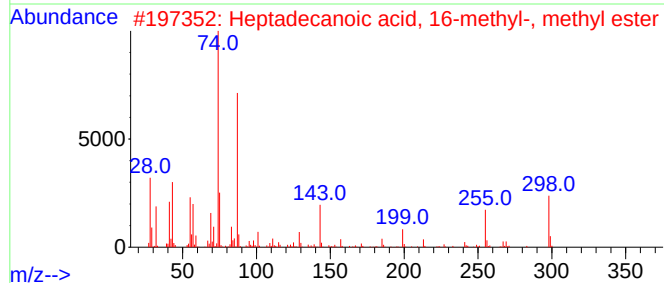
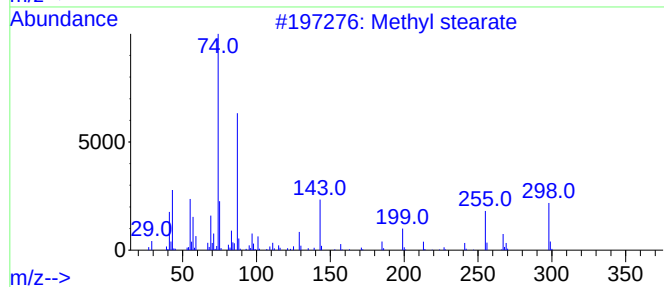
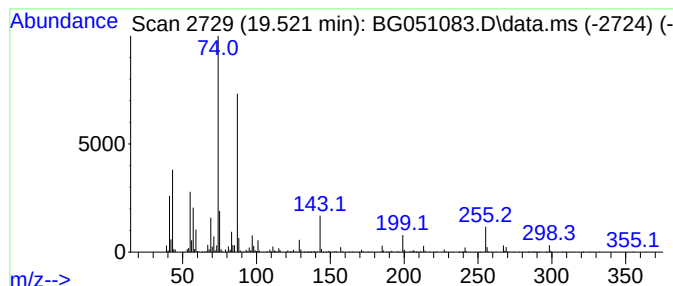
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 20 Methyl stearate Concentration Rank 12

| R.T.      | EstConc                             | Area   | Relative to ISTD |          | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|----------|-------------|------|
| 19.521    | 22.35 ng                            | 690990 | Phenanthrene-d10 |          | 17.606      |      |
| Hit# of 5 | Tentative ID                        |        | MW               | MolForm  | CAS#        | Qual |
| 1         | Methyl stearate                     |        | 298              | C19H38O2 | 000112-61-8 | 95   |
| 2         | Heptadecanoic acid, 16-methyl-, ... |        | 298              | C19H38O2 | 005129-61-3 | 92   |
| 3         | Heptadecanoic acid, methyl ester    |        | 284              | C18H36O2 | 001731-92-6 | 91   |
| 4         | Pentadecanoic acid, methyl ester    |        | 256              | C16H32O2 | 007132-64-1 | 90   |
| 5         | Methyl tetradecanoate               |        | 242              | C15H30O2 | 000124-10-7 | 90   |





Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG111621\  
 Data File : BG051083.D  
 Acq On : 17 Nov 2021 2:03  
 Operator : CG/JU  
 Sample : M4619-03 5X  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 HR-02-111021

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG111321.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L  
 TIC Integration Parameters: LSCINT.P

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |        |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|--------|------|
|                    |        |         |       |          | #                     | RT     | Resp   | Conc |
| unknown10.438      | 10.438 | 21.5    | ng    | 342594   | 2                     | 11.055 | 318194 | 20.0 |
| Tridecane          | 10.984 | 85.4    | ng    | 1358330  | 2                     | 11.055 | 318194 | 20.0 |
| Undecane, 2,6-d... | 11.172 | 32.9    | ng    | 523968   | 2                     | 11.055 | 318194 | 20.0 |
| Naphthalene, 1,... | 11.519 | 15.9    | ng    | 252729   | 2                     | 11.055 | 318194 | 20.0 |
| unknown11.736      | 11.736 | 20.0    | ng    | 318317   | 2                     | 11.055 | 318194 | 20.0 |
| Decane, 2,3,5-t... | 11.930 | 21.6    | ng    | 343886   | 2                     | 11.055 | 318194 | 20.0 |
| Dodecane, 4,6-d... | 12.030 | 37.0    | ng    | 588637   | 2                     | 11.055 | 318194 | 20.0 |
| Naphthalene, 1,... | 12.230 | 20.7    | ng    | 329967   | 2                     | 11.055 | 318194 | 20.0 |
| Hexadecane         | 12.424 | 119.0   | ng    | 1892780  | 2                     | 11.055 | 318194 | 20.0 |
| Octadecane, 1-i... | 13.223 | 16.5    | ng    | 445616   | 3                     | 14.856 | 540168 | 20.0 |
| Dodecane, 2,7,1... | 13.358 | 20.8    | ng    | 562145   | 3                     | 14.856 | 540168 | 20.0 |
| Tetradecane        | 13.652 | 72.6    | ng    | 1960100  | 3                     | 14.856 | 540168 | 20.0 |
| Heptadecane, 2,... | 14.298 | 24.1    | ng    | 649947   | 3                     | 14.856 | 540168 | 20.0 |
| Pentadecane        | 14.715 | 52.6    | ng    | 1422010  | 3                     | 14.856 | 540168 | 20.0 |
| Nonadecane         | 15.661 | 32.4    | ng    | 875487   | 3                     | 14.856 | 540168 | 20.0 |
| Heneicosane        | 16.519 | 21.6    | ng    | 667150   | 4                     | 17.606 | 618388 | 20.0 |
| Tridecanoic aci... | 18.229 | 40.3    | ng    | 1245930  | 4                     | 17.606 | 618388 | 20.0 |
| 9,12-Octadecadi... | 19.362 | 71.9    | ng    | 2223130  | 4                     | 17.606 | 618388 | 20.0 |
| 15-Octadecenoic... | 19.392 | 89.5    | ng    | 2766640  | 4                     | 17.606 | 618388 | 20.0 |
| Methyl stearate    | 19.521 | 22.4    | ng    | 690990   | 4                     | 17.606 | 618388 | 20.0 |