

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082520\  
 Data File : BF121432.D  
 Acq On : 25 Aug 2020 17:35  
 Operator : JU/CG  
 Sample : L3784-10  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RO-24

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

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

Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF081920.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 4.881       | 472           | 475         | 484          | rBV      | 31021          | 44125         | 1.42%           | 0.170%        |
| 2         | 5.304       | 544           | 547         | 575          | rBV      | 1813210        | 2189299       | 70.38%          | 8.458%        |
| 3         | 6.345       | 720           | 724         | 745          | rBV      | 1976647        | 2205421       | 70.90%          | 8.520%        |
| 4         | 6.539       | 754           | 757         | 777          | rVB      | 16993          | 43384         | 1.39%           | 0.168%        |
| 5         | 6.692       | 780           | 783         | 793          | rBV      | 949399         | 752581        | 24.19%          | 2.908%        |
| 6         | 7.263       | 875           | 880         | 892          | rBV      | 1552829        | 1521212       | 48.90%          | 5.877%        |
| 7         | 7.975       | 998           | 1001        | 1018         | rBV      | 1039072        | 1043851       | 33.56%          | 4.033%        |
| 8         | 9.051       | 1180          | 1184        | 1195         | rBV      | 2900246        | 2732175       | 87.83%          | 10.555%       |
| 9         | 9.445       | 1248          | 1251        | 1259         | rBV      | 244010         | 233553        | 7.51%           | 0.902%        |
| 10        | 9.727       | 1295          | 1299        | 1311         | rVB      | 1396166        | 1229895       | 39.54%          | 4.752%        |
| 11        | 10.522      | 1429          | 1434        | 1446         | rBV      | 1646477        | 1772438       | 56.98%          | 6.848%        |
| 12        | 10.633      | 1450          | 1453        | 1462         | rVB4     | 29158          | 37007         | 1.19%           | 0.143%        |
| 13        | 11.210      | 1547          | 1551        | 1554         | rBV      | 1508136        | 1355521       | 43.58%          | 5.237%        |
| 14        | 11.233      | 1554          | 1555        | 1559         | rVV      | 269683         | 172352        | 5.54%           | 0.666%        |
| 15        | 11.286      | 1562          | 1564        | 1568         | rVB      | 62568          | 51012         | 1.64%           | 0.197%        |
| 16        | 11.451      | 1586          | 1592        | 1599         | rBV3     | 22821          | 34466         | 1.11%           | 0.133%        |
| 17        | 11.710      | 1632          | 1636        | 1639         | rBV      | 42258          | 41602         | 1.34%           | 0.161%        |
| 18        | 11.745      | 1639          | 1642        | 1646         | rBV2     | 111832         | 125644        | 4.04%           | 0.485%        |
| 19        | 11.821      | 1652          | 1655        | 1658         | rBV      | 54335          | 54081         | 1.74%           | 0.209%        |
| 20        | 11.916      | 1664          | 1671        | 1674         | rBV3     | 33726          | 39176         | 1.26%           | 0.151%        |
| 21        | 12.263      | 1726          | 1730        | 1733         | rBV      | 31984          | 36425         | 1.17%           | 0.141%        |
| 22        | 12.298      | 1733          | 1736        | 1739         | rVV      | 45384          | 51084         | 1.64%           | 0.197%        |
| 23        | 12.351      | 1742          | 1745        | 1752         | rVB2     | 38012          | 44280         | 1.42%           | 0.171%        |
| 24        | 12.421      | 1753          | 1757        | 1763         | rBV      | 471076         | 406397        | 13.06%          | 1.570%        |
| 25        | 12.651      | 1789          | 1796        | 1799         | rBV2     | 367255         | 386986        | 12.44%          | 1.495%        |
| 26        | 12.698      | 1802          | 1804        | 1811         | rVB2     | 36395          | 41635         | 1.34%           | 0.161%        |
| 27        | 12.798      | 1814          | 1821        | 1824         | rBV      | 3085910        | 3110620       | 100.00%         | 12.018%       |
| 28        | 12.874      | 1829          | 1834        | 1837         | rBV3     | 32419          | 51079         | 1.64%           | 0.197%        |
| 29        | 12.957      | 1845          | 1848        | 1850         | rBV3     | 36387          | 47785         | 1.54%           | 0.185%        |
| 30        | 12.980      | 1850          | 1852        | 1856         | rVB      | 61200          | 51760         | 1.66%           | 0.200%        |
| 31        | 13.027      | 1856          | 1860        | 1862         | rBV3     | 48098          | 57896         | 1.86%           | 0.224%        |
| 32        | 13.080      | 1866          | 1869        | 1874         | rVB2     | 49289          | 58339         | 1.88%           | 0.225%        |
| 33        | 13.368      | 1914          | 1918        | 1922         | rBV5     | 42980          | 59933         | 1.93%           | 0.232%        |
| 34        | 13.492      | 1935          | 1939        | 1943         | rVB      | 63986          | 63889         | 2.05%           | 0.247%        |

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Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
RO-24

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-BF081920.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 13.598 | 1952 | 1957 | 1959 | rBV  | 54746   | 59685   | 1.92%  | 0.231% |
| 36 | 13.704 | 1971 | 1975 | 1991 | rVB3 | 457797  | 875051  | 28.13% | 3.381% |
| 37 | 13.851 | 1991 | 2000 | 2003 | rBV  | 1569992 | 1695112 | 54.49% | 6.549% |
| 38 | 13.874 | 2003 | 2004 | 2007 | rVB  | 219487  | 119965  | 3.86%  | 0.463% |
| 39 | 14.015 | 2023 | 2028 | 2031 | rBV2 | 69481   | 75870   | 2.44%  | 0.293% |
| 40 | 14.233 | 2063 | 2065 | 2069 | rVB  | 46338   | 41030   | 1.32%  | 0.159% |
| 41 | 14.321 | 2075 | 2080 | 2083 | rBV3 | 89029   | 114216  | 3.67%  | 0.441% |
| 42 | 14.357 | 2083 | 2086 | 2093 | rVB7 | 59241   | 108777  | 3.50%  | 0.420% |
| 43 | 14.615 | 2127 | 2130 | 2133 | rVB  | 88223   | 78539   | 2.52%  | 0.303% |
| 44 | 14.862 | 2168 | 2172 | 2180 | rBV  | 178814  | 313701  | 10.08% | 1.212% |
| 45 | 14.927 | 2180 | 2183 | 2187 | rVB2 | 96215   | 104560  | 3.36%  | 0.404% |
| 46 | 14.962 | 2187 | 2189 | 2193 | rBV  | 32492   | 41647   | 1.34%  | 0.161% |
| 47 | 15.145 | 2217 | 2220 | 2226 | rVB  | 96519   | 113297  | 3.64%  | 0.438% |
| 48 | 15.204 | 2226 | 2230 | 2235 | rVB  | 120065  | 136660  | 4.39%  | 0.528% |
| 49 | 15.268 | 2235 | 2241 | 2251 | rBV  | 928013  | 1303624 | 41.91% | 5.036% |
| 50 | 15.680 | 2306 | 2311 | 2315 | rBV  | 92206   | 134845  | 4.33%  | 0.521% |
| 51 | 15.762 | 2319 | 2325 | 2326 | rBV5 | 64620   | 113002  | 3.63%  | 0.437% |
| 52 | 16.139 | 2386 | 2389 | 2393 | rBV2 | 38659   | 48376   | 1.56%  | 0.187% |
| 53 | 16.627 | 2467 | 2472 | 2478 | rBV2 | 58075   | 116041  | 3.73%  | 0.448% |
| 54 | 16.680 | 2478 | 2481 | 2489 | rVB3 | 37164   | 63406   | 2.04%  | 0.245% |
| 55 | 17.033 | 2537 | 2541 | 2550 | rVB  | 39072   | 79594   | 2.56%  | 0.308% |

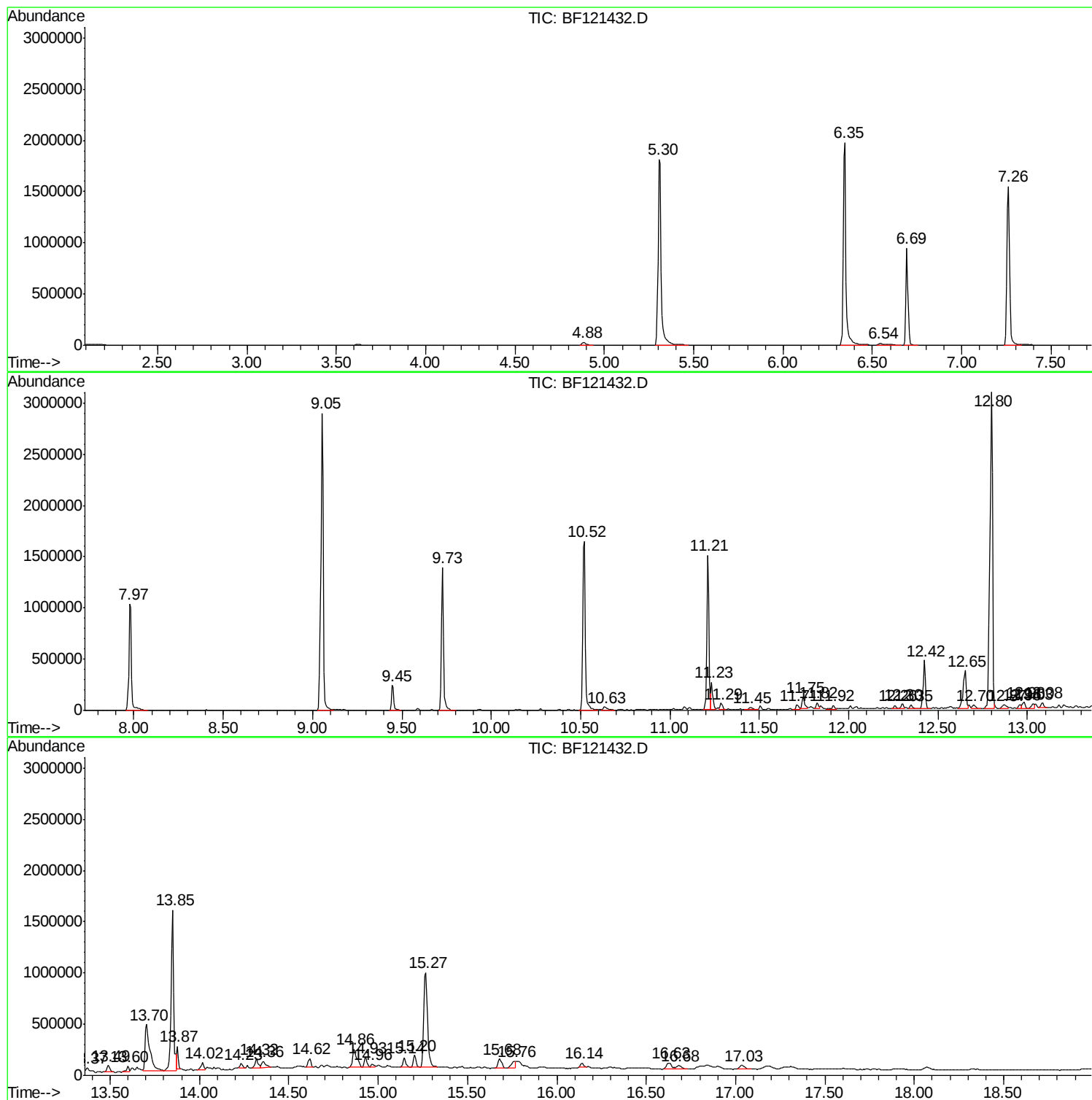
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Instrument :  
BNA\_F  
ClientSampled :  
RO-24

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081920.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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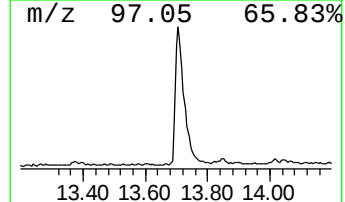
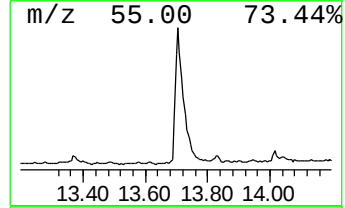
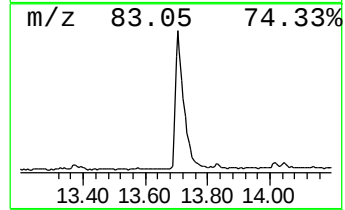
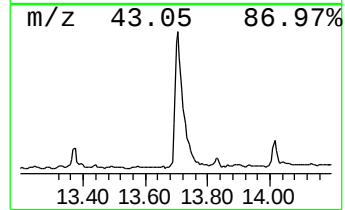
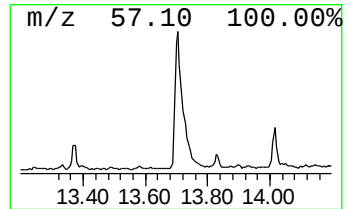
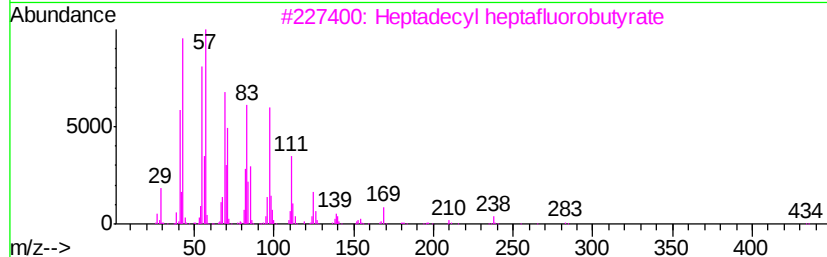
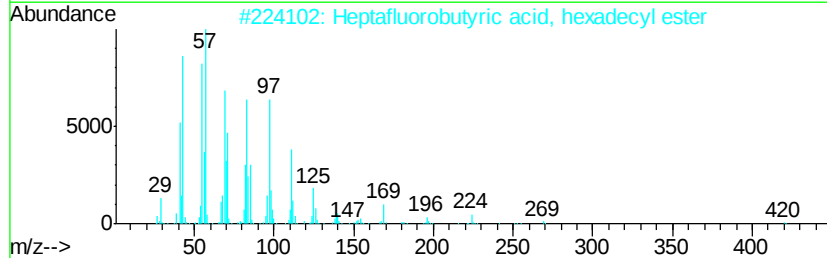
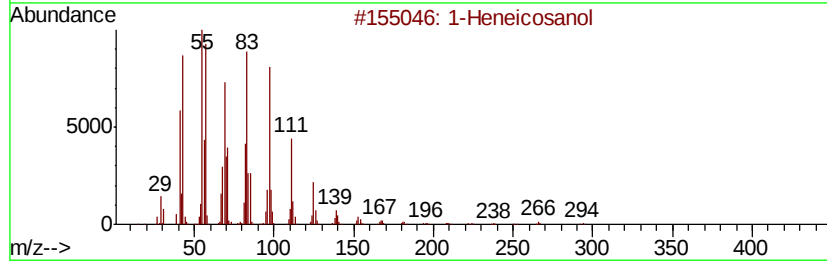
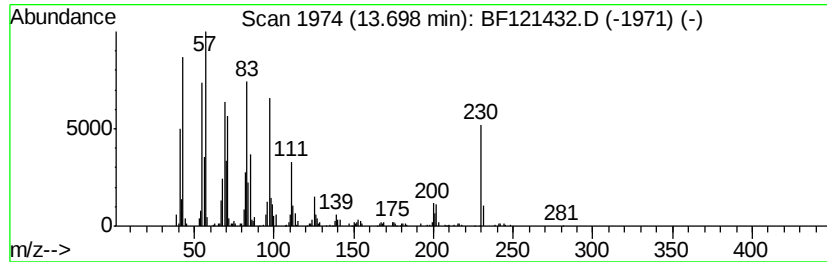
Instrument :  
BNA\_F  
ClientSampleId :  
RO-24

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081920.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 1-Heneicosanol Concentration Rank 1

| R.T.    | EstConc  | Area                                | Relative to ISTD | R.T.        |             |      |
|---------|----------|-------------------------------------|------------------|-------------|-------------|------|
| 13.70   | 10.32 ng | 875051                              | Chrysene-d12     | 13.85       |             |      |
| Hit# of | 5        | Tentative ID                        | MW               | MolForm     | CAS#        | Qual |
| 1       |          | 1-Heneicosanol                      | 312              | C21H44O     | 015594-90-8 | 93   |
| 2       |          | Heptafluorobutvric acid, hexadec... | 438              | C20H33F7O2  | 006385-15-5 | 91   |
| 3       |          | Heptadecyl heptafluorobutvrate      | 452              | C21H35F7O2  | 959085-66-6 | 91   |
| 4       |          | Trifluoroacetoxv hexadecane         | 338              | C18H33F3O2  | 006222-03-3 | 91   |
| 5       |          | Trichloroacetic acid, hexadecyl ... | 386              | C18H33Cl3O2 | 074339-54-1 | 91   |



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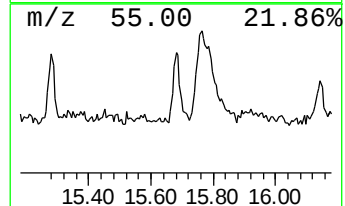
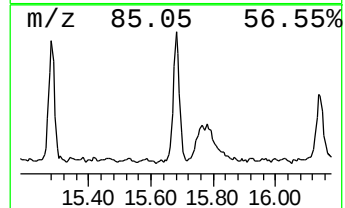
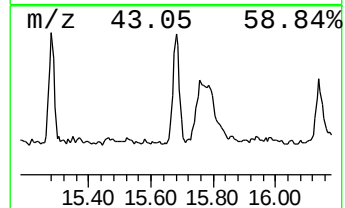
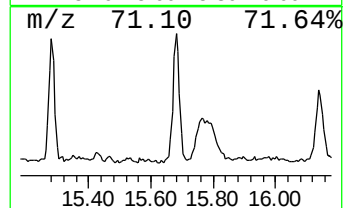
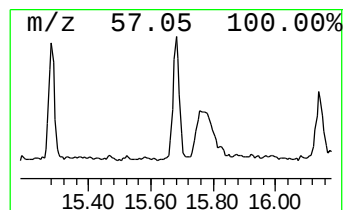
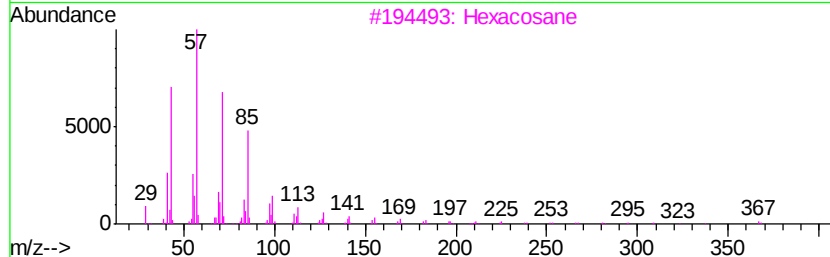
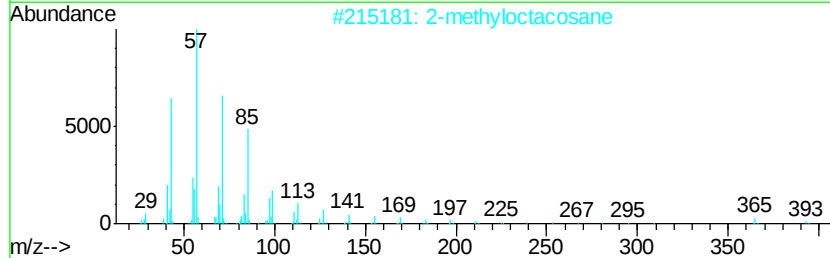
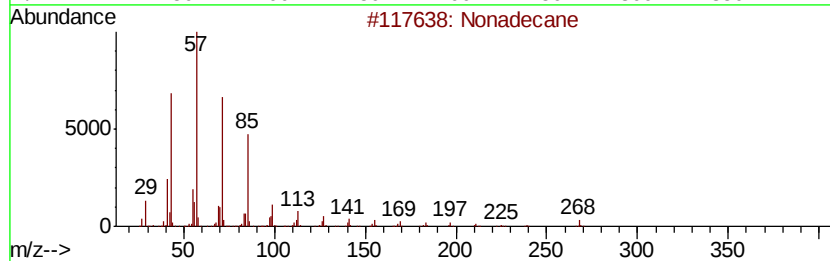
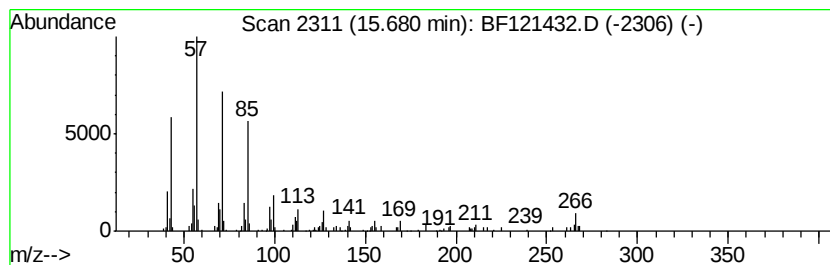
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081920.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 2 Nonadecane Concentration Rank 2

| R.T.    | EstConc            | Area         | Relative to ISTD | R.T.            |
|---------|--------------------|--------------|------------------|-----------------|
| 15.68   | 2.07 ng            | 134845       | Perylene-d12     | 15.27           |
| Hit# of | 5                  | Tentative ID | MW MolForm       | CAS# Qual       |
| 1       | Nonadecane         |              | 268 C19H40       | 000629-92-5 95  |
| 2       | 2-methyloctacosane |              | 408 C29H60       | 1000376-72-8 90 |
| 3       | Hexacosane         |              | 366 C26H54       | 000630-01-3 90  |
| 4       | Triacontane        |              | 422 C30H62       | 000638-68-6 90  |
| 5       | Tetratetracontane  |              | 619 C44H90       | 007098-22-8 90  |



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

| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                  |       |         |       |          | #                     | RT    | Resp    | Conc |
| 1-Heneicosanol   | 13.70 | 10.3    | ng    | 875051   | 5                     | 13.85 | 1695110 | 20.0 |
| Nonadecane       | 15.68 | 2.1     | ng    | 134845   | 6                     | 15.27 | 1303620 | 20.0 |