

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF060320\  
 Data File : BF120526.D  
 Acq On : 3 Jun 2020 22:55  
 Operator : JU/CG  
 Sample : L2839-08 2X  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 NM112-COMP-2020-0-6

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-BF052820.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         | 1.916       | 3             | 5           | 9            | rVB      | 270152         | 252855        | 7.13%           | 0.567%        |
| 2         | 1.952       | 9             | 11          | 19           | rVB      | 182349         | 189712        | 5.35%           | 0.425%        |
| 3         | 2.093       | 29            | 35          | 40           | rBV      | 392997         | 518032        | 14.60%          | 1.162%        |
| 4         | 4.857       | 500           | 505         | 506          | rBV3     | 21145          | 37096         | 1.05%           | 0.083%        |
| 5         | 5.245       | 567           | 571         | 576          | rBV2     | 107930         | 141138        | 3.98%           | 0.317%        |
| 6         | 5.340       | 585           | 587         | 589          | rVB      | 89394          | 62012         | 1.75%           | 0.139%        |
| 7         | 5.457       | 602           | 607         | 610          | rVB      | 1419186        | 1366957       | 38.54%          | 3.066%        |
| 8         | 5.669       | 637           | 643         | 648          | rBV5     | 16420          | 52367         | 1.48%           | 0.117%        |
| 9         | 5.763       | 656           | 659         | 665          | rVB      | 111920         | 102503        | 2.89%           | 0.230%        |
| 10        | 5.816       | 665           | 668         | 677          | rVB      | 28377          | 52417         | 1.48%           | 0.118%        |
| 11        | 6.469       | 774           | 779         | 782          | rBV      | 2199704        | 2025493       | 57.10%          | 4.543%        |
| 12        | 6.663       | 809           | 812         | 817          | rBV2     | 42336          | 49728         | 1.40%           | 0.112%        |
| 13        | 6.834       | 837           | 841         | 844          | rBV      | 1594162        | 1233518       | 34.78%          | 2.767%        |
| 14        | 6.992       | 863           | 868         | 871          | rBV      | 2144511        | 1904096       | 53.68%          | 4.271%        |
| 15        | 7.392       | 930           | 936         | 939          | rBV      | 1495090        | 1284398       | 36.21%          | 2.881%        |
| 16        | 8.116       | 1055          | 1059        | 1062         | rBV      | 1844245        | 1463417       | 41.26%          | 3.282%        |
| 17        | 8.651       | 1145          | 1150        | 1158         | rBV      | 87047          | 109086        | 3.08%           | 0.245%        |
| 18        | 8.869       | 1172          | 1187        | 1190         | rBV      | 1530689        | 3547134       | 100.00%         | 7.956%        |
| 19        | 8.969       | 1200          | 1204        | 1210         | rVB      | 282306         | 261100        | 7.36%           | 0.586%        |
| 20        | 9.192       | 1237          | 1242        | 1245         | rBV      | 3030132        | 2416262       | 68.12%          | 5.419%        |
| 21        | 9.586       | 1305          | 1309        | 1314         | rVB      | 401740         | 359823        | 10.14%          | 0.807%        |
| 22        | 9.733       | 1330          | 1334        | 1337         | rBV      | 47469          | 43251         | 1.22%           | 0.097%        |
| 23        | 9.875       | 1352          | 1358        | 1361         | rBV      | 1747333        | 1538518       | 43.37%          | 3.451%        |
| 24        | 9.904       | 1361          | 1363        | 1366         | rVB      | 56052          | 43206         | 1.22%           | 0.097%        |
| 25        | 10.386      | 1442          | 1445        | 1447         | rVB2     | 48536          | 36980         | 1.04%           | 0.083%        |
| 26        | 10.657      | 1487          | 1491        | 1495         | rBV      | 1394293        | 1247526       | 35.17%          | 2.798%        |
| 27        | 10.774      | 1507          | 1511        | 1515         | rBV3     | 39699          | 50130         | 1.41%           | 0.112%        |
| 28        | 10.857      | 1522          | 1525        | 1530         | rBV5     | 38127          | 55106         | 1.55%           | 0.124%        |
| 29        | 11.010      | 1548          | 1551        | 1556         | rVB3     | 57984          | 82565         | 2.33%           | 0.185%        |
| 30        | 11.098      | 1560          | 1566        | 1569         | rBV      | 1199558        | 1369143       | 38.60%          | 3.071%        |
| 31        | 11.163      | 1574          | 1577        | 1580         | rVB      | 38985          | 45184         | 1.27%           | 0.101%        |
| 32        | 11.221      | 1585          | 1587        | 1589         | rVV      | 67689          | 66758         | 1.88%           | 0.150%        |
| 33        | 11.245      | 1589          | 1591        | 1597         | rVV2     | 230309         | 215483        | 6.07%           | 0.483%        |
| 34        | 11.310      | 1599          | 1602        | 1606         | rVB2     | 76724          | 69793         | 1.97%           | 0.157%        |

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 ClientSampleId :  
 NM112-COMP-2020-0-6

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-BF052820.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 11.357 | 1606 | 1610 | 1612 | rBV  | 1560786 | 1338869 | 37.75% | 3.003% |
| 36 | 11.380 | 1612 | 1614 | 1617 | rVV  | 500725  | 406138  | 11.45% | 0.911% |
| 37 | 11.410 | 1617 | 1619 | 1621 | rVV2 | 62352   | 55584   | 1.57%  | 0.125% |
| 38 | 11.433 | 1621 | 1623 | 1626 | rVB  | 108615  | 81091   | 2.29%  | 0.182% |
| 39 | 11.574 | 1643 | 1647 | 1654 | rBV2 | 93455   | 141584  | 3.99%  | 0.318% |
| 40 | 11.651 | 1658 | 1660 | 1662 | rBV  | 91685   | 70722   | 1.99%  | 0.159% |
| 41 | 11.751 | 1672 | 1677 | 1678 | rBV  | 35293   | 43287   | 1.22%  | 0.097% |
| 42 | 11.769 | 1678 | 1680 | 1683 | rVB2 | 85929   | 69237   | 1.95%  | 0.155% |
| 43 | 11.816 | 1684 | 1688 | 1691 | rBV  | 110351  | 127461  | 3.59%  | 0.286% |
| 44 | 11.851 | 1691 | 1694 | 1697 | rVV2 | 155108  | 170141  | 4.80%  | 0.382% |
| 45 | 11.886 | 1697 | 1700 | 1706 | rVB  | 379839  | 320090  | 9.02%  | 0.718% |
| 46 | 11.969 | 1711 | 1714 | 1717 | rBV2 | 80454   | 87125   | 2.46%  | 0.195% |
| 47 | 12.057 | 1727 | 1729 | 1733 | rVB  | 215735  | 166650  | 4.70%  | 0.374% |
| 48 | 12.157 | 1743 | 1746 | 1748 | rBV  | 54989   | 55728   | 1.57%  | 0.125% |
| 49 | 12.174 | 1748 | 1749 | 1753 | rVB2 | 66816   | 45488   | 1.28%  | 0.102% |
| 50 | 12.410 | 1786 | 1789 | 1791 | rBV  | 71339   | 81797   | 2.31%  | 0.183% |
| 51 | 12.445 | 1793 | 1795 | 1797 | rVV  | 152989  | 129028  | 3.64%  | 0.289% |
| 52 | 12.474 | 1797 | 1800 | 1805 | rVV3 | 955307  | 954742  | 26.92% | 2.141% |
| 53 | 12.551 | 1809 | 1813 | 1814 | rBV2 | 491543  | 421063  | 11.87% | 0.944% |
| 54 | 12.568 | 1814 | 1816 | 1819 | rVV  | 779875  | 644366  | 18.17% | 1.445% |
| 55 | 12.616 | 1819 | 1824 | 1830 | rVV  | 476736  | 528012  | 14.89% | 1.184% |
| 56 | 12.668 | 1830 | 1833 | 1836 | rVV2 | 59366   | 69929   | 1.97%  | 0.157% |
| 57 | 12.716 | 1839 | 1841 | 1844 | rVB2 | 46537   | 40550   | 1.14%  | 0.091% |
| 58 | 12.798 | 1850 | 1855 | 1858 | rBV  | 672748  | 722586  | 20.37% | 1.621% |
| 59 | 12.821 | 1858 | 1859 | 1862 | rVV  | 170077  | 134321  | 3.79%  | 0.301% |
| 60 | 12.945 | 1873 | 1880 | 1883 | rBV  | 1893713 | 1855694 | 52.32% | 4.162% |
| 61 | 13.027 | 1886 | 1894 | 1896 | rBV5 | 76664   | 193429  | 5.45%  | 0.434% |
| 62 | 13.104 | 1904 | 1907 | 1908 | rBV2 | 61914   | 58805   | 1.66%  | 0.132% |
| 63 | 13.127 | 1909 | 1911 | 1913 | rVB  | 82242   | 67081   | 1.89%  | 0.150% |
| 64 | 13.157 | 1913 | 1916 | 1921 | rBV2 | 170220  | 208344  | 5.87%  | 0.467% |
| 65 | 13.215 | 1924 | 1926 | 1927 | rBV  | 93146   | 72557   | 2.05%  | 0.163% |
| 66 | 13.286 | 1936 | 1938 | 1941 | rBV  | 155501  | 131856  | 3.72%  | 0.296% |
| 67 | 13.357 | 1947 | 1950 | 1953 | rBV2 | 47495   | 54347   | 1.53%  | 0.122% |
| 68 | 13.392 | 1953 | 1956 | 1960 | rBV3 | 50764   | 53053   | 1.50%  | 0.119% |
| 69 | 13.510 | 1972 | 1976 | 1980 | rBV4 | 104041  | 158850  | 4.48%  | 0.356% |
| 70 | 13.563 | 1982 | 1985 | 1987 | rVV  | 164564  | 157518  | 4.44%  | 0.353% |
| 71 | 13.580 | 1987 | 1988 | 1991 | rVV  | 98607   | 85108   | 2.40%  | 0.191% |

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Instrument :  
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 ClientSampleId :  
 NM112-COMP-2020-0-6

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-BF052820.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|     |        |      |      |      |      |         |         |        |        |
|-----|--------|------|------|------|------|---------|---------|--------|--------|
| 72  | 13.633 | 1994 | 1997 | 2005 | rVB  | 242005  | 249532  | 7.03%  | 0.560% |
| 73  | 13.774 | 2019 | 2021 | 2023 | rBV  | 59364   | 40530   | 1.14%  | 0.091% |
| 74  | 13.798 | 2023 | 2025 | 2029 | rBV2 | 57048   | 71223   | 2.01%  | 0.160% |
| 75  | 13.845 | 2030 | 2033 | 2038 | rVB2 | 360932  | 357430  | 10.08% | 0.802% |
| 76  | 13.892 | 2038 | 2041 | 2044 | rBV  | 435089  | 375229  | 10.58% | 0.842% |
| 77  | 13.968 | 2051 | 2054 | 2055 | rBV2 | 126943  | 132766  | 3.74%  | 0.298% |
| 78  | 13.998 | 2055 | 2059 | 2062 | rVV2 | 1268714 | 1465074 | 41.30% | 3.286% |
| 79  | 14.021 | 2062 | 2063 | 2066 | rVB  | 332845  | 210096  | 5.92%  | 0.471% |
| 80  | 14.104 | 2074 | 2077 | 2079 | rVB  | 70269   | 58424   | 1.65%  | 0.131% |
| 81  | 14.162 | 2085 | 2087 | 2093 | rBV5 | 58217   | 88567   | 2.50%  | 0.199% |
| 82  | 14.215 | 2093 | 2096 | 2099 | rBV2 | 93417   | 85730   | 2.42%  | 0.192% |
| 83  | 14.480 | 2136 | 2141 | 2145 | rBV3 | 322624  | 439579  | 12.39% | 0.986% |
| 84  | 14.521 | 2146 | 2148 | 2152 | rVB2 | 159198  | 151408  | 4.27%  | 0.340% |
| 85  | 14.639 | 2165 | 2168 | 2173 | rVB2 | 168349  | 155387  | 4.38%  | 0.349% |
| 86  | 14.768 | 2188 | 2190 | 2193 | rBV  | 69850   | 68906   | 1.94%  | 0.155% |
| 87  | 14.915 | 2212 | 2215 | 2223 | rVB  | 313060  | 348014  | 9.81%  | 0.781% |
| 88  | 15.033 | 2231 | 2235 | 2238 | rBV  | 275122  | 405621  | 11.44% | 0.910% |
| 89  | 15.109 | 2244 | 2248 | 2250 | rBV  | 311673  | 343462  | 9.68%  | 0.770% |
| 90  | 15.139 | 2250 | 2253 | 2259 | rVB  | 600872  | 779827  | 21.98% | 1.749% |
| 91  | 15.333 | 2282 | 2286 | 2288 | rBV  | 168162  | 213582  | 6.02%  | 0.479% |
| 92  | 15.392 | 2293 | 2296 | 2299 | rVB  | 180663  | 216989  | 6.12%  | 0.487% |
| 93  | 15.457 | 2303 | 2307 | 2310 | rBV  | 669866  | 807322  | 22.76% | 1.811% |
| 94  | 15.680 | 2342 | 2345 | 2351 | rVB2 | 155158  | 220156  | 6.21%  | 0.494% |
| 95  | 15.921 | 2381 | 2386 | 2391 | rVB  | 584371  | 853072  | 24.05% | 1.913% |
| 96  | 15.980 | 2392 | 2396 | 2403 | rVB2 | 199852  | 355108  | 10.01% | 0.796% |
| 97  | 16.709 | 2515 | 2520 | 2530 | rVB4 | 195999  | 395393  | 11.15% | 0.887% |
| 98  | 17.556 | 2659 | 2664 | 2668 | rBV3 | 273188  | 595668  | 16.79% | 1.336% |
| 99  | 18.098 | 2747 | 2756 | 2771 | rVB  | 673576  | 2131713 | 60.10% | 4.781% |
| 100 | 18.409 | 2803 | 2809 | 2819 | rVB3 | 269493  | 676010  | 19.06% | 1.516% |

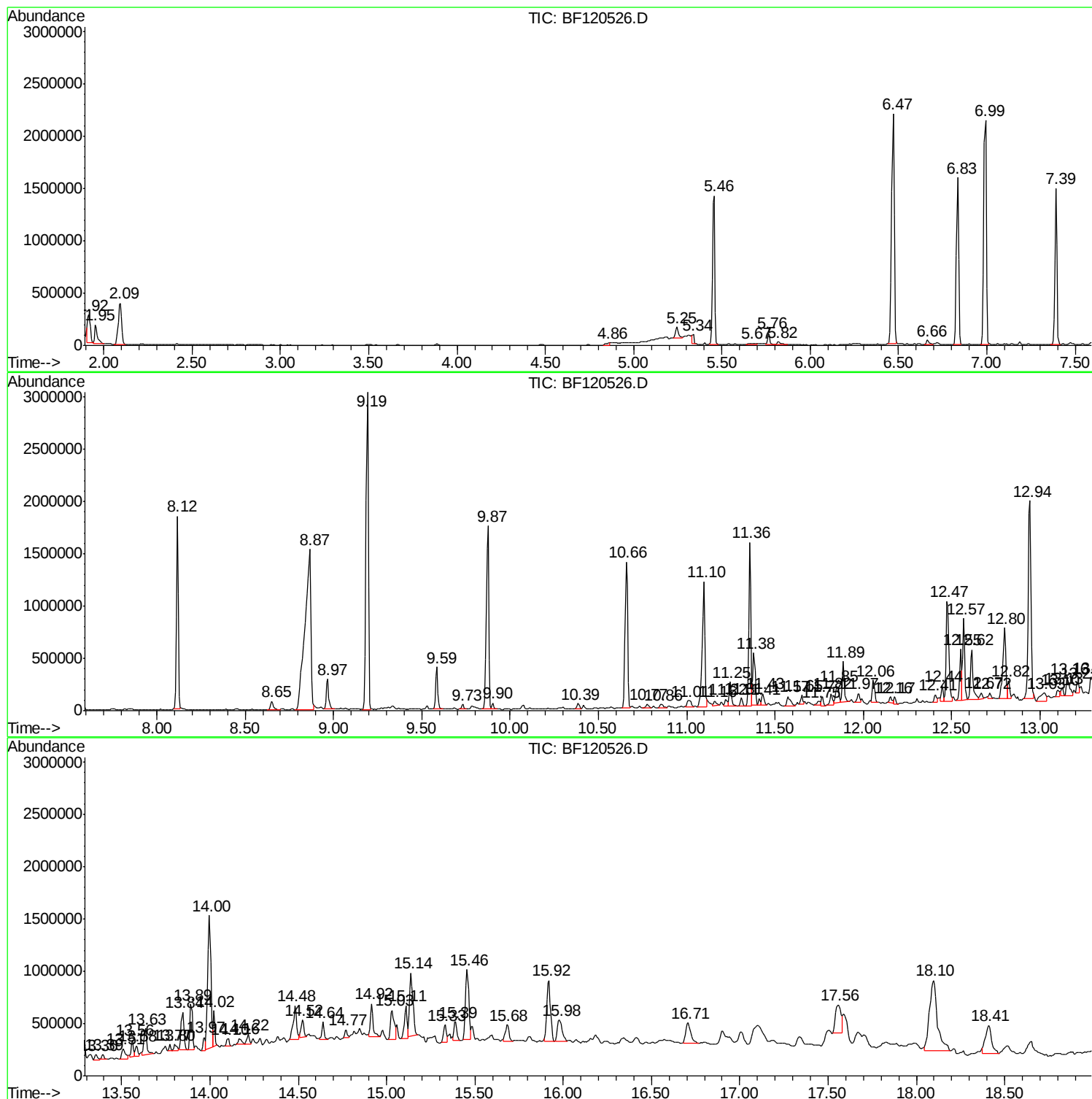
Sum of corrected areas: 44586836

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.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\BF060320\  
 Data File : BF120526.D  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

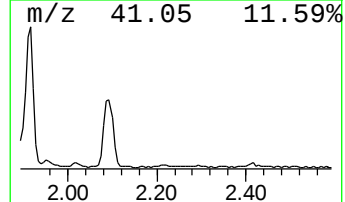
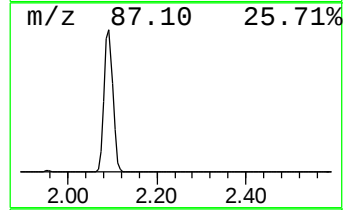
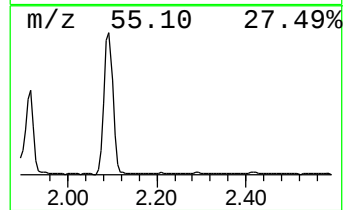
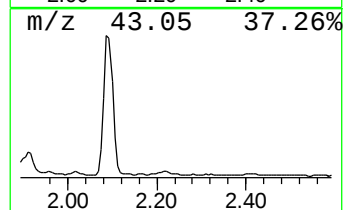
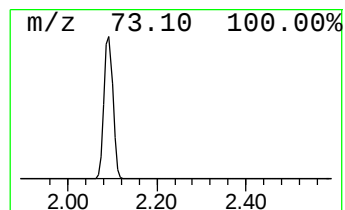
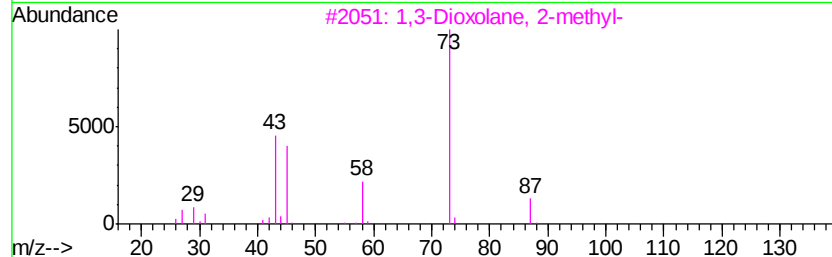
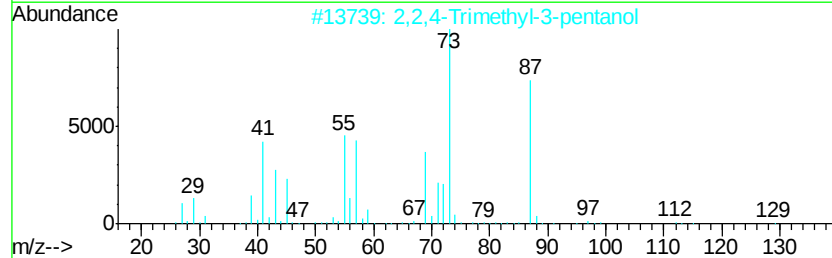
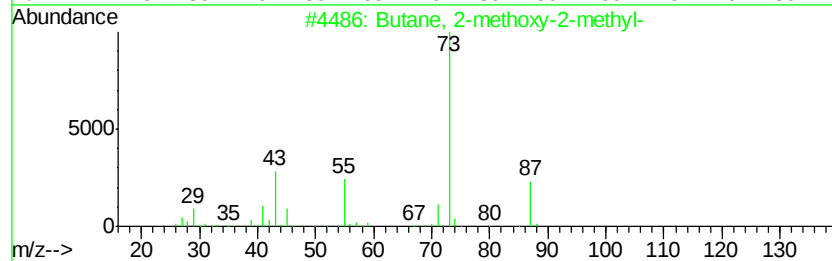
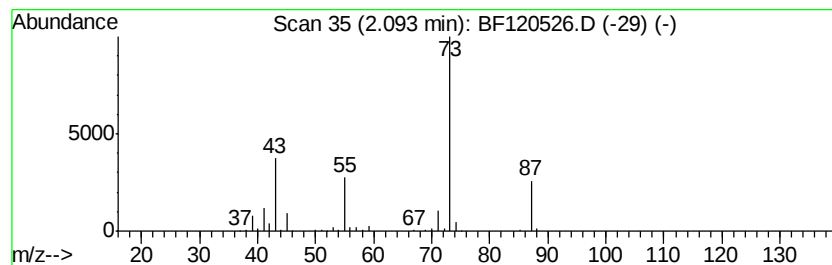
TIC Library : C:\DATABASE\NIST11.L  
 TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
 Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 14

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 2.09 | 8.40 ng | 518032 | 1,4-Dichlorobenzene-d4 | 6.83 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 83   |
| 2    |    | 2,2,4-Trimethyl-3-pentanol  | 130 | C8H18O  | 005162-48-1 | 40   |
| 3    |    | 1,3-Dioxolane, 2-methyl-    | 88  | C4H8O2  | 000497-26-7 | 23   |
| 4    |    | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 12   |
| 5    |    | Silane, tetramethyl-        | 88  | C4H12Si | 000075-76-3 | 10   |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

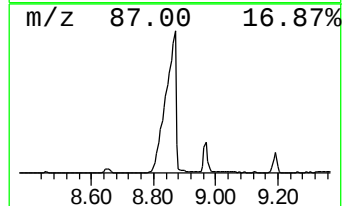
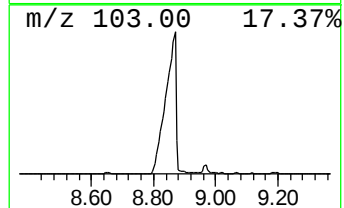
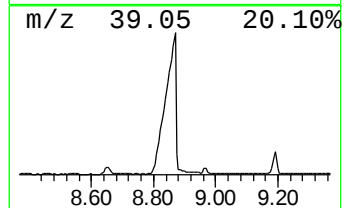
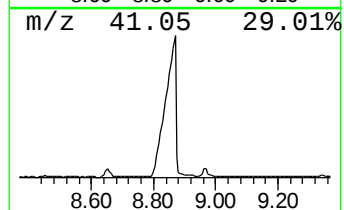
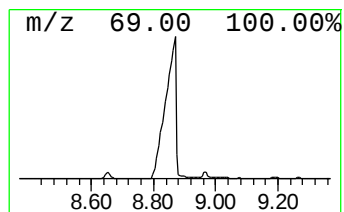
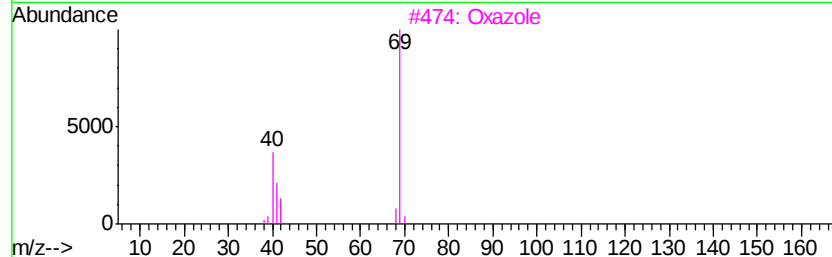
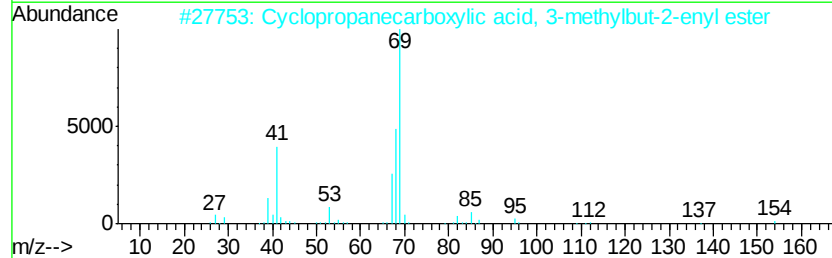
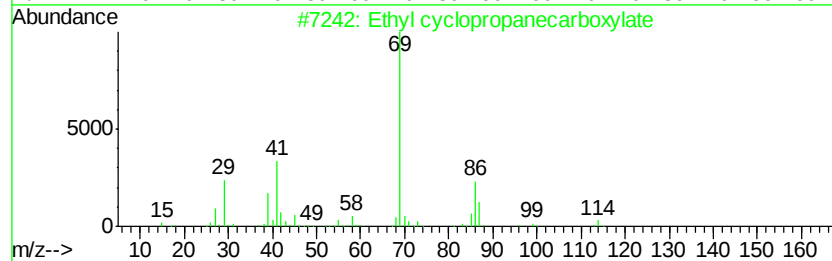
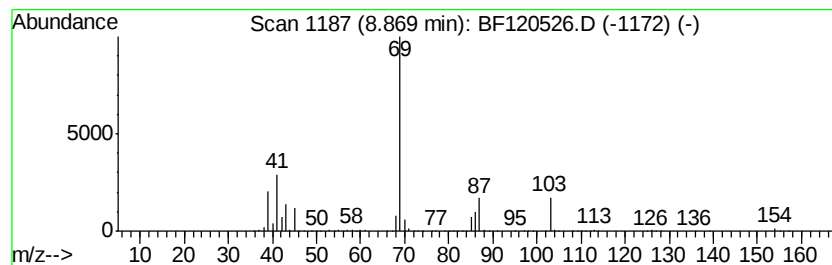
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 unknown8.87 Concentration Rank 2

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 8.87 | 48.48 ng | 3547130 | Naphthalene-d8   | 8.12 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|---------|---|-------------------------------------|-----|----------|--------------|------|
| 1       |   | Ethyl cyclopropanecarboxylate       | 114 | C6H10O2  | 004606-07-9  | 39   |
| 2       |   | Cyclopropanecarboxylic acid, 3-m... | 154 | C9H14O2  | 1000299-37-4 | 9    |
| 3       |   | Oxazole                             | 69  | C3H3NO   | 000288-42-6  | 9    |
| 4       |   | 2-Butenoic acid, 2-propenylidene... | 210 | C11H14O4 | 055030-70-1  | 9    |
| 5       |   | 4-Heptanol, 2,6-dimethyl-           | 144 | C9H20O   | 000108-82-7  | 9    |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060320\  
Data File : BF120526.D  
Acq On : 3 Jun 2020 22:55  
Operator : JU/CG  
Sample : L2839-08 2X  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
NM112-COMP-2020-0-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

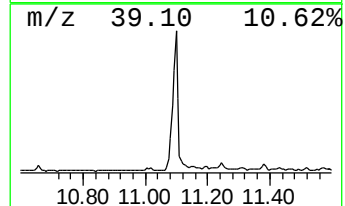
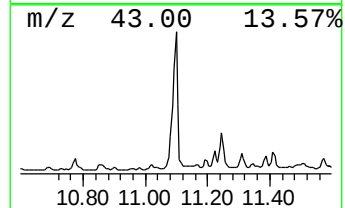
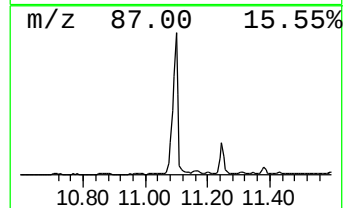
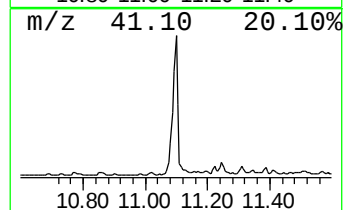
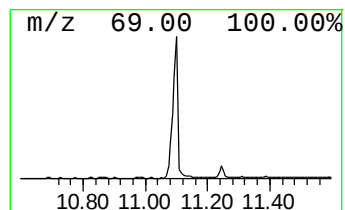
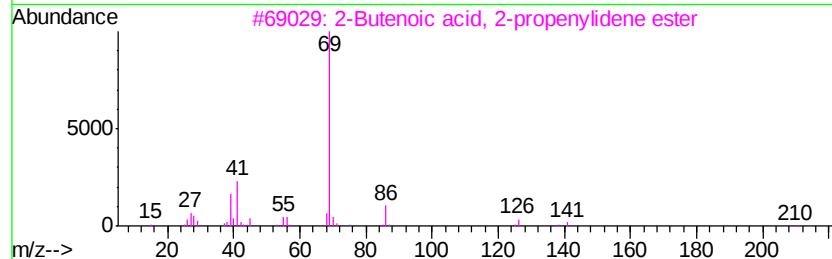
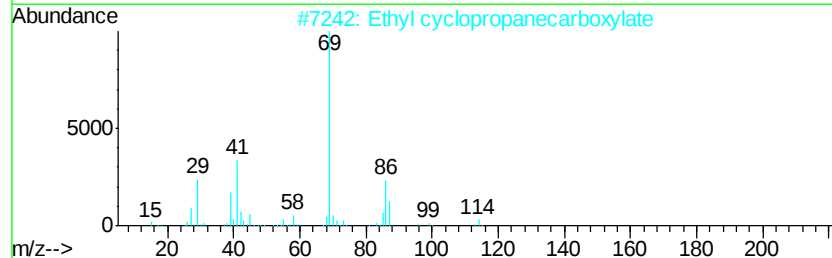
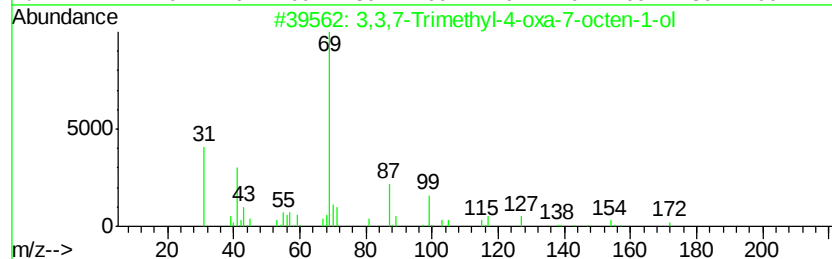
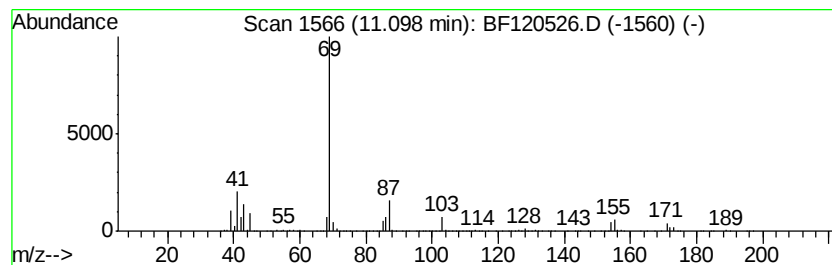
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TIC Integration Parameters: LSCINT.P

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Peak Number 4 unknown11.10 Concentration Rank 5

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 11.10 | 20.45 ng | 1369140 | Phenanthrene-d10 | 11.36 |

| Hit# | of | Tentative ID                         | MW  | MolForm  | CAS#         | Qual |
|------|----|--------------------------------------|-----|----------|--------------|------|
| 1    | 5  | 3,3,7-Trimethyl-4-oxa-7-octen-1-ol   | 172 | C10H20O2 | 069161-47-3  | 38   |
| 2    |    | Ethyl cyclopropanecarboxylate        | 114 | C6H10O2  | 004606-07-9  | 38   |
| 3    |    | 2-Butenoic acid, 2-propenylidene...  | 210 | C11H14O4 | 055030-70-1  | 33   |
| 4    |    | Oxazolidin-2-one, N-[(Z)-butenovyl]- | 155 | C7H9NO3  | 1000156-45-4 | 9    |
| 5    |    | 4-Heptanol, 2,6-dimethyl-            | 144 | C9H20O   | 000108-82-7  | 9    |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060320\  
Data File : BF120526.D  
Acq On : 3 Jun 2020 22:55  
Operator : JU/CG  
Sample : L2839-08 2X  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

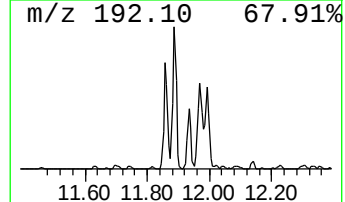
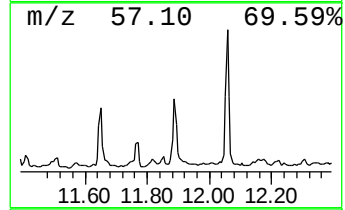
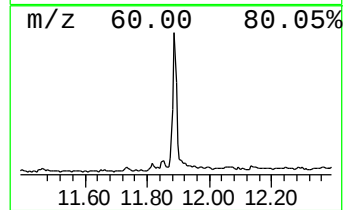
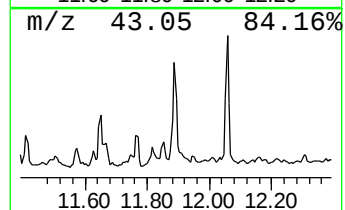
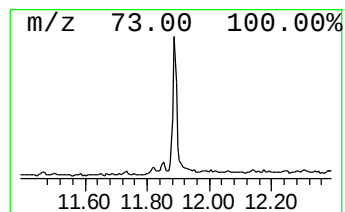
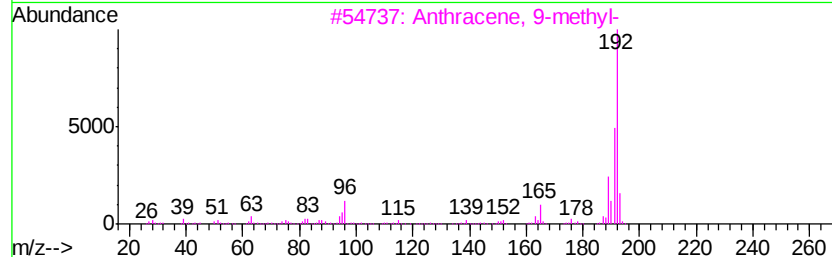
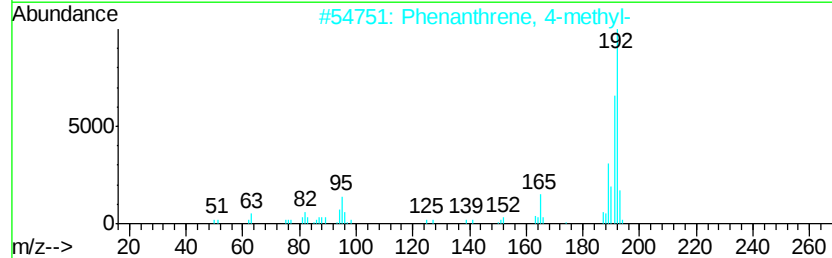
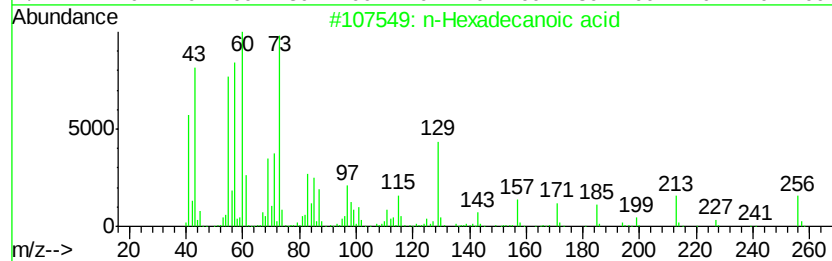
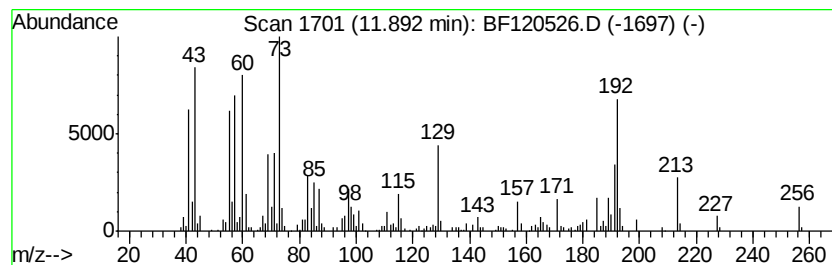
Instrument :  
BNA\_F  
ClientSampleId :  
NM112-COMP-2020-0-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.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 5 n-Hexadecanoic acid Concentration Rank 20

| R.T.    | EstConc | Area                    | Relative to ISTD |          | R.T.        |      |
|---------|---------|-------------------------|------------------|----------|-------------|------|
| 11.89   | 4.78 ng | 320090                  | Phenanthrene-d10 |          | 11.36       |      |
| Hit# of | 5       | Tentative ID            | MW               | MolForm  | CAS#        | Qual |
| 1       |         | n-Hexadecanoic acid     | 256              | C16H32O2 | 000057-10-3 | 96   |
| 2       |         | Phenanthrene, 4-methyl- | 192              | C15H12   | 000832-64-4 | 92   |
| 3       |         | Anthracene, 9-methyl-   | 192              | C15H12   | 000779-02-2 | 92   |
| 4       |         | Anthracene, 1-methyl-   | 192              | C15H12   | 000610-48-0 | 78   |
| 5       |         | 1H-Indene, 2-phenyl-    | 192              | C15H12   | 004505-48-0 | 70   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060320\  
Data File : BF120526.D  
Acq On : 3 Jun 2020 22:55  
Operator : JU/CG  
Sample : L2839-08 2X  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
NM112-COMP-2020-0-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

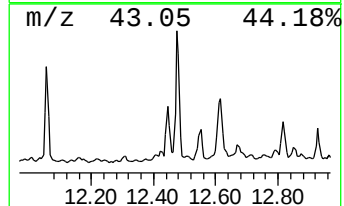
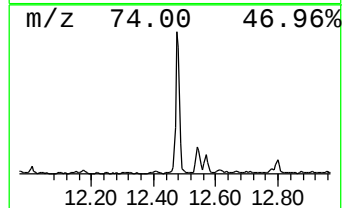
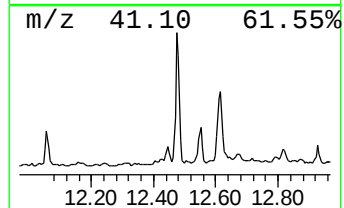
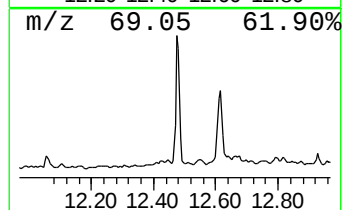
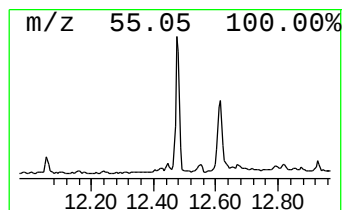
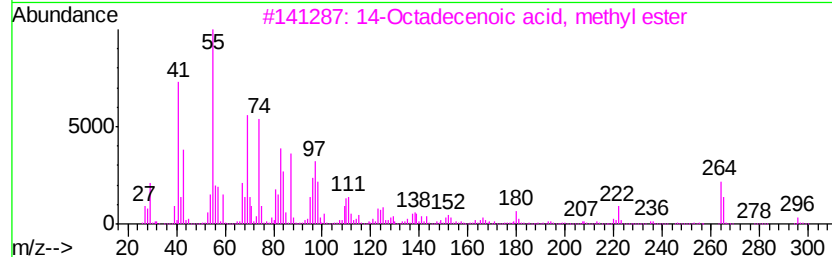
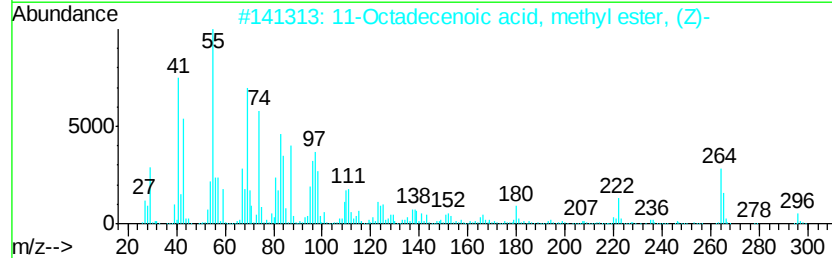
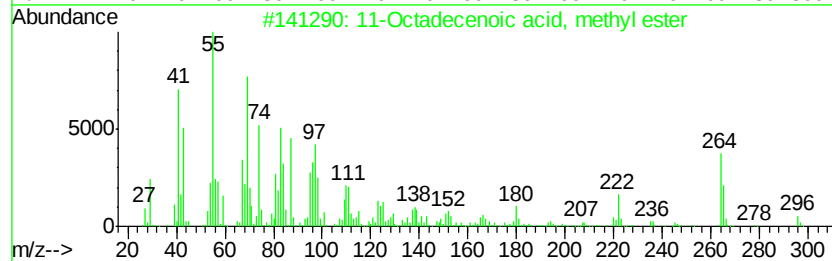
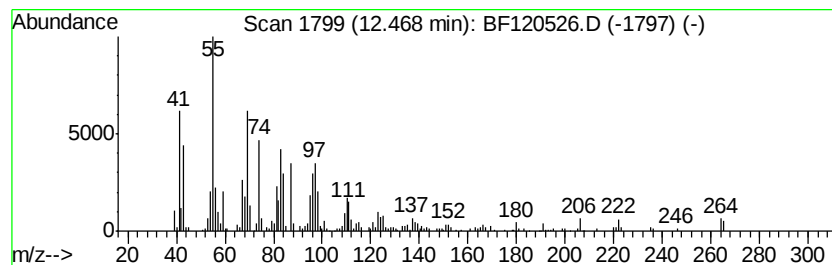
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 11-Octadecenoic acid, methyl ester Concentration Rank 9

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 12.47 | 14.26 ng | 954742 | Phenanthrene-d10 | 11.36 |

| Hit# | of | Tentative ID                          | MW  | MolForm  | CAS#        | Qual |
|------|----|---------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 11-Octadecenoic acid, methyl ester    | 296 | C19H36O2 | 052380-33-3 | 99   |
| 2    |    | 11-Octadecenoic acid, methyl ester... | 296 | C19H36O2 | 001937-63-9 | 99   |
| 3    |    | 14-Octadecenoic acid, methyl ester    | 296 | C19H36O2 | 056554-48-4 | 99   |
| 4    |    | 12-Octadecenoic acid, methyl ester    | 296 | C19H36O2 | 056554-46-2 | 99   |
| 5    |    | 10-Octadecenoic acid, methyl ester    | 296 | C19H36O2 | 013481-95-3 | 98   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060320\  
 Data File : BF120526.D  
 Acq On : 3 Jun 2020 22:55  
 Operator : JU/CG  
 Sample : L2839-08 2X  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 NM112-COMP-2020-0-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

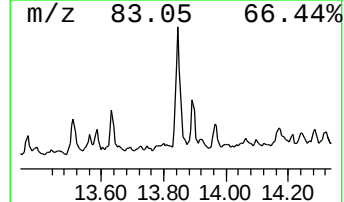
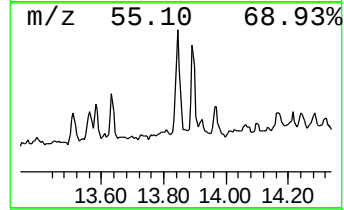
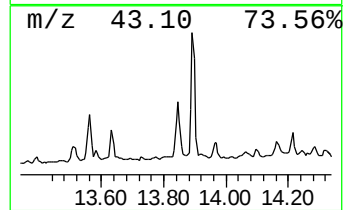
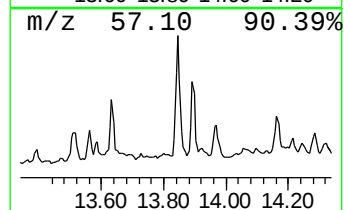
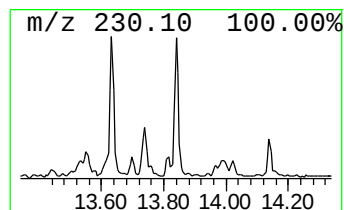
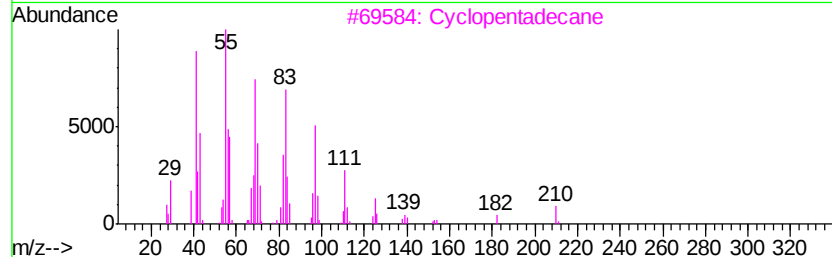
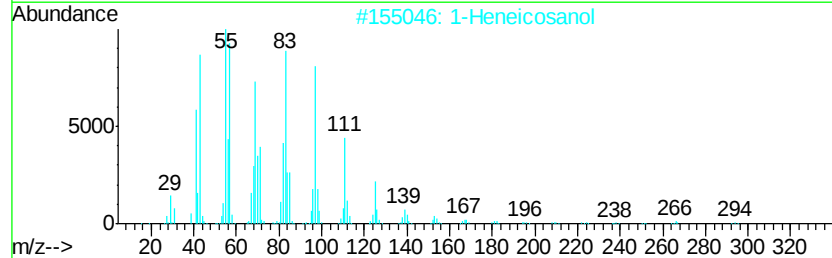
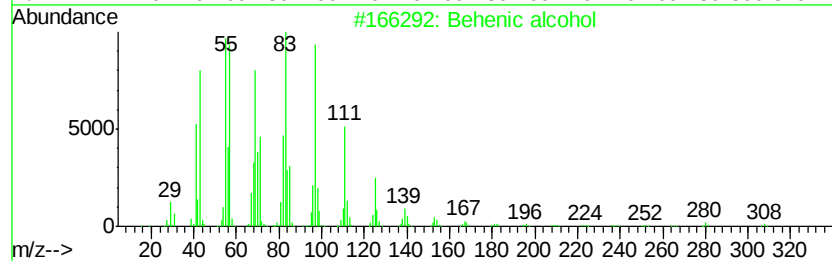
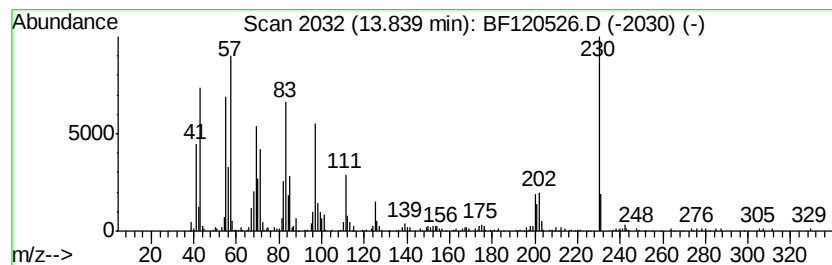
TIC Library : C:\DATABASE\NIST11.L  
 TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
 Peak Number 7 Behenic alcohol Concentration Rank 19

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 13.84 | 4.88 ng | 357430 | Chrysene-d12     | 14.00 |

| Hit# of | 5 | Tentative ID                   | MW  | MolForm    | CAS#        | Qual |
|---------|---|--------------------------------|-----|------------|-------------|------|
| 1       |   | Behenic alcohol                | 326 | C22H46O    | 000661-19-8 | 91   |
| 2       |   | 1-Heneicosanol                 | 312 | C21H44O    | 015594-90-8 | 91   |
| 3       |   | Cyclopentadecane               | 210 | C15H30     | 000295-48-7 | 91   |
| 4       |   | Octadecyl trifluoroacetate     | 366 | C20H37F3O2 | 079392-43-1 | 89   |
| 5       |   | Heptadecyl heptafluorobutyrate | 452 | C21H35F7O2 | 959085-66-6 | 89   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060320\  
Data File : BF120526.D  
Acq On : 3 Jun 2020 22:55  
Operator : JU/CG  
Sample : L2839-08 2X  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
NM112-COMP-2020-0-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

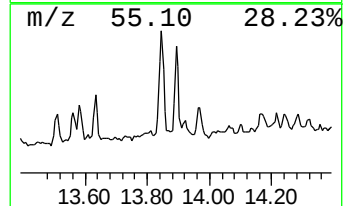
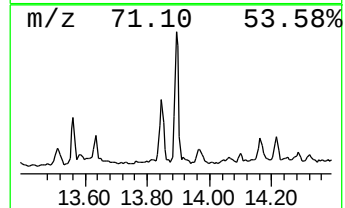
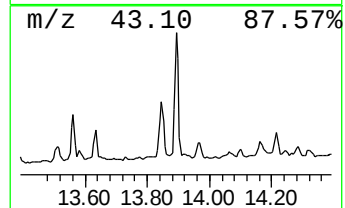
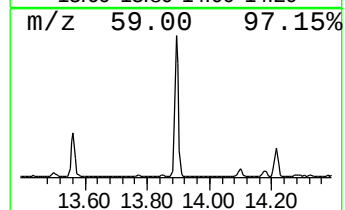
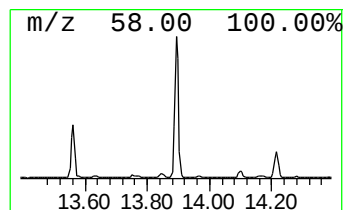
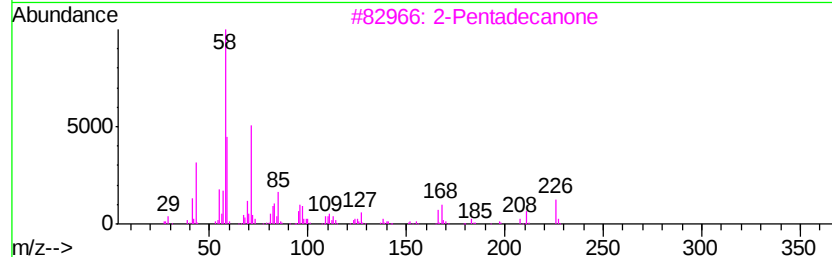
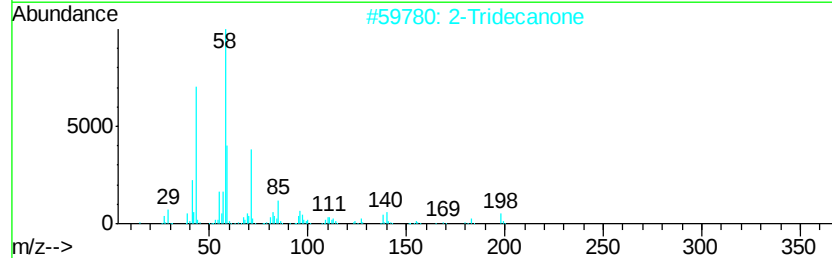
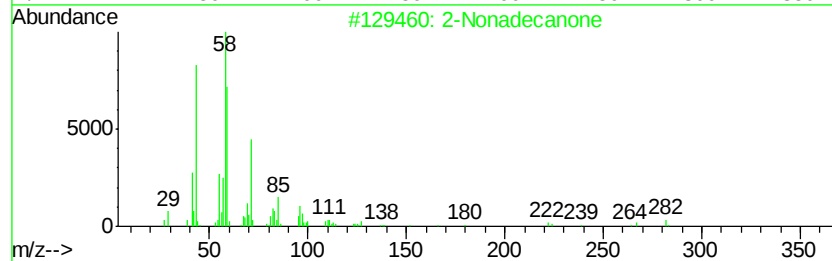
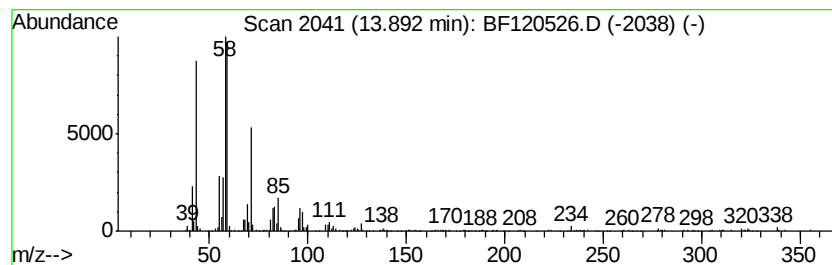
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 2-Nonadecanone Concentration Rank 18

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 13.89 | 5.12 ng | 375229 | Chrysene-d12     | 14.00 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | 2-Nonadecanone             | 282 | C19H38O | 000629-66-3 | 91   |
| 2    |    | 2-Tridecanone              | 198 | C13H26O | 000593-08-8 | 64   |
| 3    |    | 2-Pentadecanone            | 226 | C15H30O | 002345-28-0 | 58   |
| 4    |    | 2-Tetradecanone            | 212 | C14H28O | 002345-27-9 | 50   |
| 5    |    | cis-1,4-Cyclohexanediamine | 114 | C6H14N2 | 015827-56-2 | 25   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060320\  
Data File : BF120526.D  
Acq On : 3 Jun 2020 22:55  
Operator : JU/CG  
Sample : L2839-08 2X  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

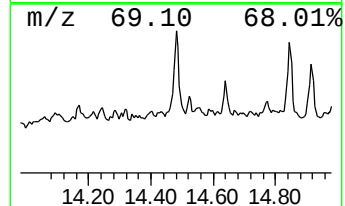
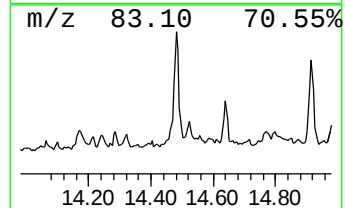
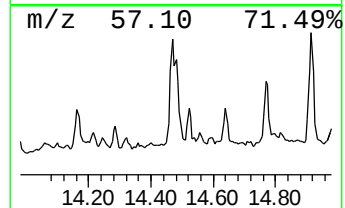
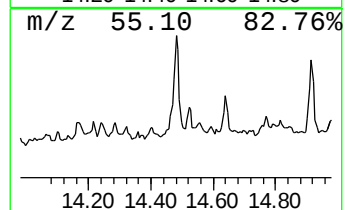
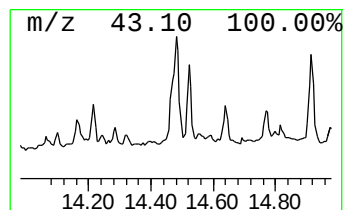
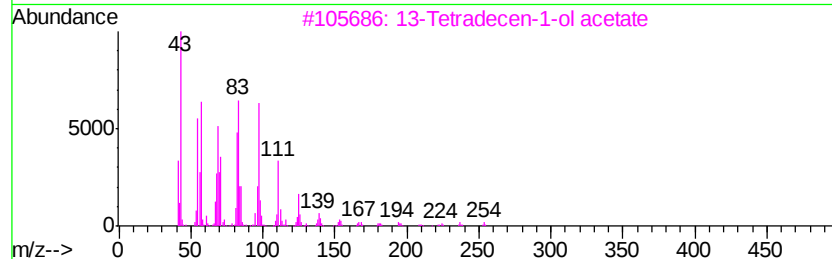
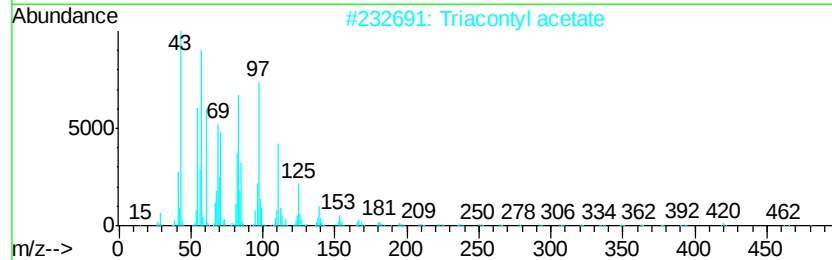
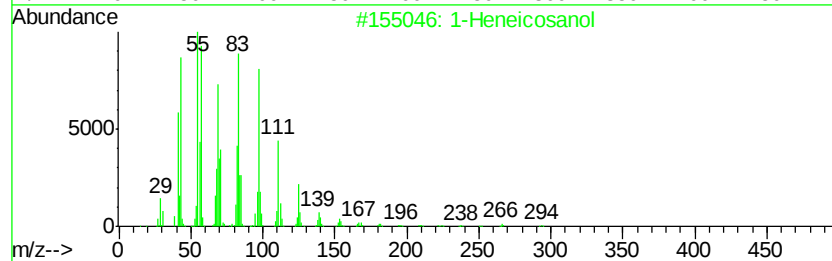
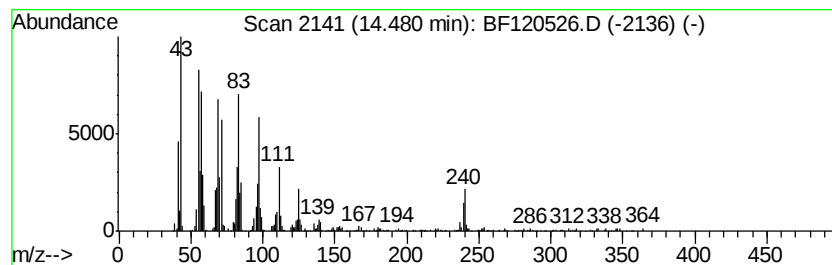
Instrument :  
BNA\_F  
ClientSampleId :  
NM112-COMP-2020-0-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.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 9 1-Heneicosanol Concentration Rank 15

| R.T.    | EstConc                    | Area           | Relative to ISTD | R.T.      |
|---------|----------------------------|----------------|------------------|-----------|
| 14.48   | 6.00 ng                    | 439579         | Chrysene-d12     | 14.00     |
| Hit# of | 5                          | Tentative ID   | MW MolForm       | CAS# Qual |
| 1       | 1-Heneicosanol             | 312 C21H44O    | 015594-90-8      | 93        |
| 2       | Triacontyl acetate         | 480 C32H64O2   | 041755-58-2      | 90        |
| 3       | 13-Tetradecen-1-ol acetate | 254 C16H30O2   | 056221-91-1      | 83        |
| 4       | 1-Hexacosanol              | 382 C26H54O    | 000506-52-5      | 81        |
| 5       | Octadecyl trifluoroacetate | 366 C20H37F3O2 | 079392-43-1      | 76        |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060320\  
Data File : BF120526.D  
Acq On : 3 Jun 2020 22:55  
Operator : JU/CG  
Sample : L2839-08 2X  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

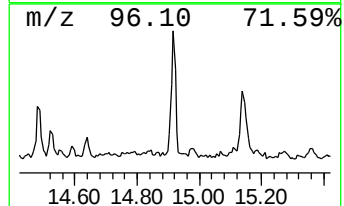
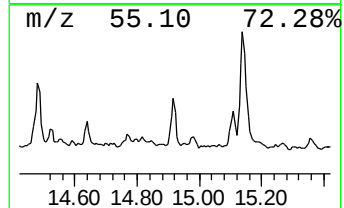
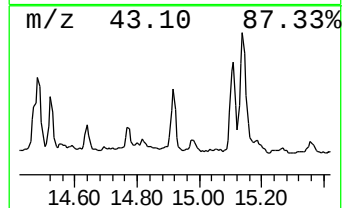
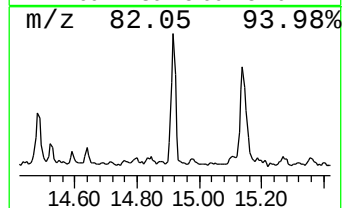
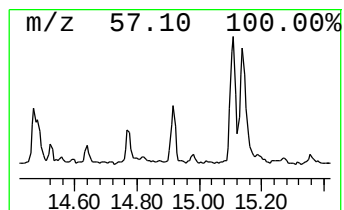
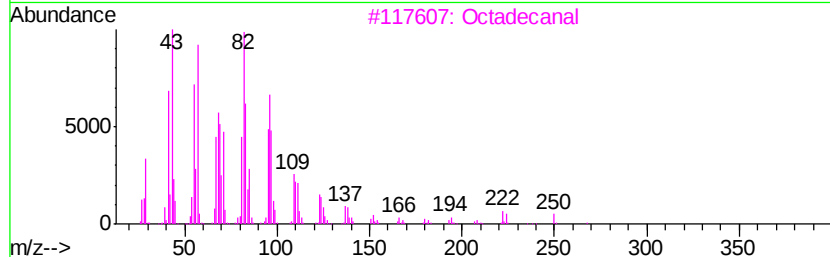
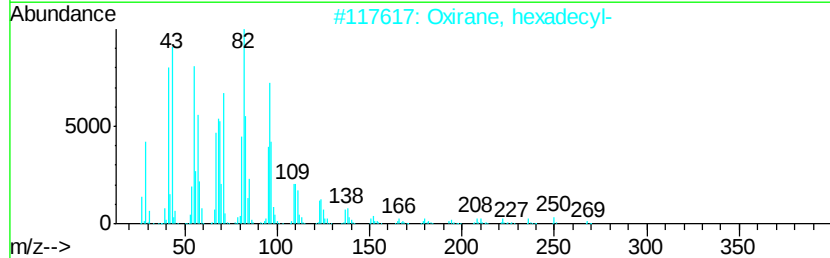
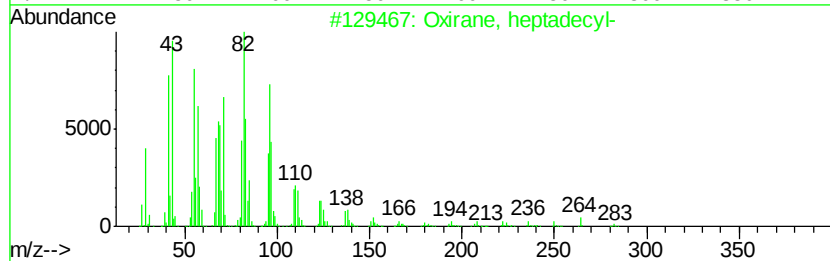
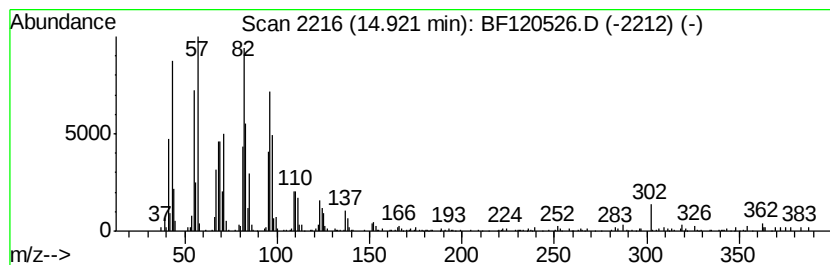
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NM112-COMP-2020-0-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 10 Oxirane, heptadecyl- Concentration Rank 12

| R.T.      | EstConc              | Area   | Relative to ISTD | R.T.        |      |
|-----------|----------------------|--------|------------------|-------------|------|
| 14.92     | 8.62 ng              | 348014 | Perylene-d12     | 15.46       |      |
| Hit# of 5 | Tentative ID         | MW     | MolForm          | CAS#        | Qual |
| 1         | Oxirane, heptadecyl- | 282    | C19H38O          | 067860-04-2 | 91   |
| 2         | Oxirane, hexadecyl-  | 268    | C18H36O          | 007390-81-0 | 91   |
| 3         | Octadecanal          | 268    | C18H36O          | 000638-66-4 | 91   |
| 4         | 17-Octadecenal       | 266    | C18H34O          | 056554-86-0 | 90   |
| 5         | 1,19-Eicosadiene     | 278    | C20H38           | 014811-95-1 | 81   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060320\  
Data File : BF120526.D  
Acq On : 3 Jun 2020 22:55  
Operator : JU/CG  
Sample : L2839-08 2X  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

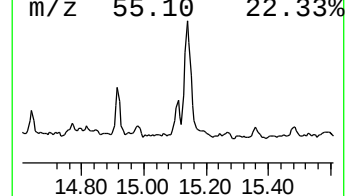
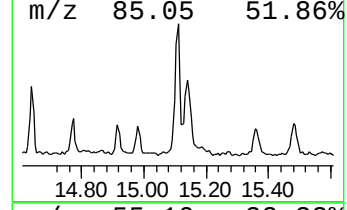
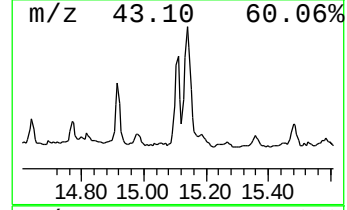
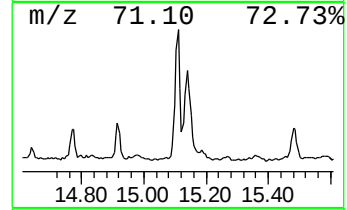
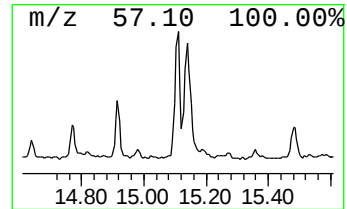
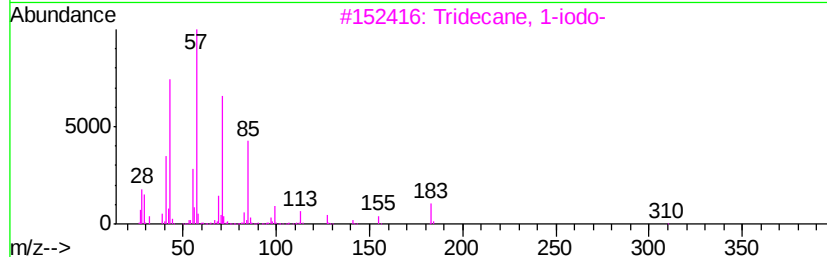
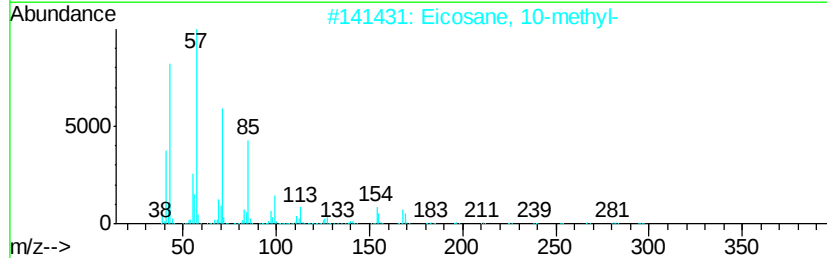
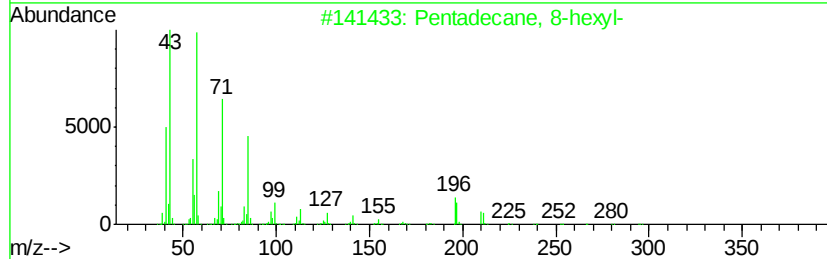
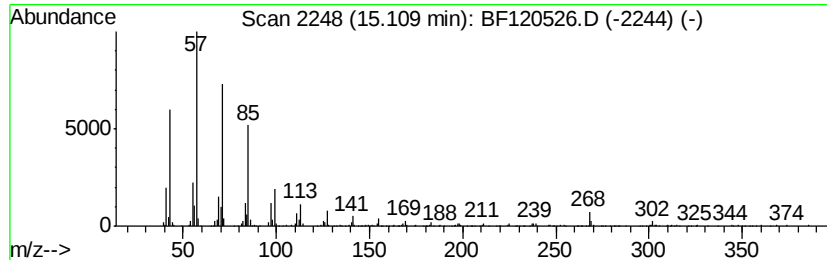
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ClientSampleId :  
NM112-COMP-2020-0-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 11 Pentadecane, 8-hexyl- Concentration Rank 13

| R.T.      | EstConc               | Area   | Relative to ISTD | R.T.        |      |
|-----------|-----------------------|--------|------------------|-------------|------|
| 15.11     | 8.51 ng               | 343462 | Perylene-d12     | 15.46       |      |
| Hit# of 5 | Tentative ID          | MW     | MolForm          | CAS#        | Qual |
| 1         | Pentadecane, 8-hexyl- | 296    | C21H44           | 013475-75-7 | 93   |
| 2         | Eicosane, 10-methyl-  | 296    | C21H44           | 054833-23-7 | 93   |
| 3         | Tridecane, 1-iodo-    | 310    | C13H27I          | 035599-77-0 | 91   |
| 4         | Hexacosane            | 366    | C26H54           | 000630-01-3 | 90   |
| 5         | Heneicosane           | 296    | C21H44           | 000629-94-7 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060320\  
Data File : BF120526.D  
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Operator : JU/CG  
Sample : L2839-08 2X  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

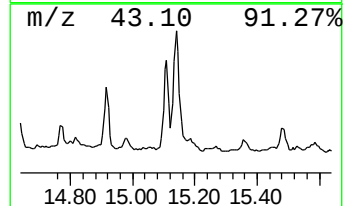
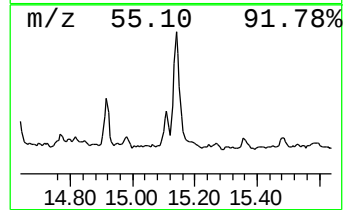
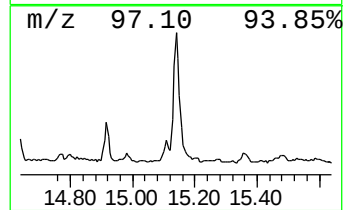
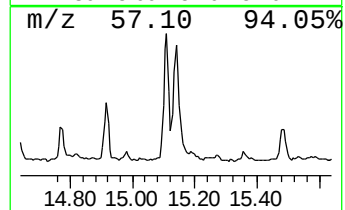
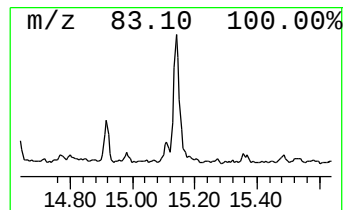
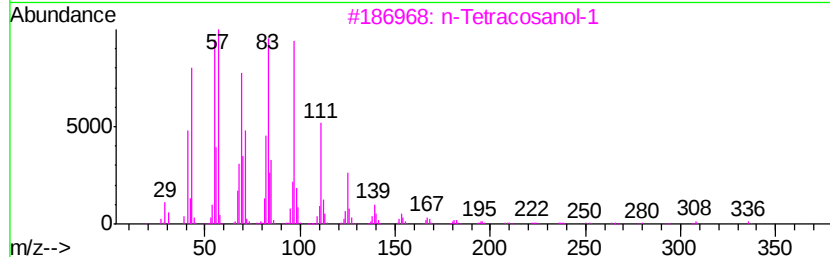
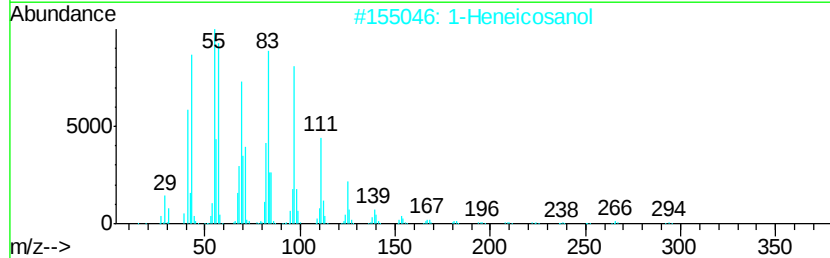
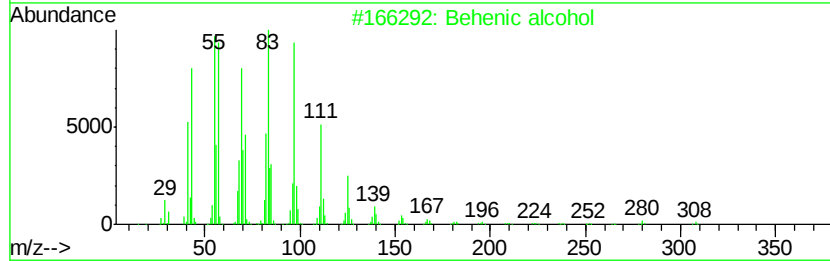
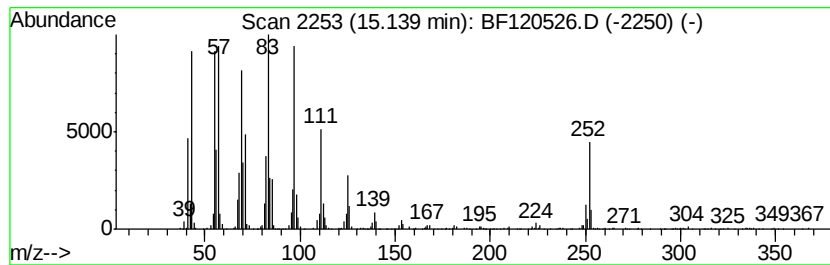
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ClientSampleId :  
NM112-COMP-2020-0-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 12 n-Tetracosanol-1 Concentration Rank 6

| R.T.    | EstConc  | Area             | Relative to ISTD | R.T.            |
|---------|----------|------------------|------------------|-----------------|
| 15.14   | 19.32 ng | 779827           | Perylene-d12     | 15.46           |
| Hit# of | 5        | Tentative ID     | MW MolForm       | CAS# Qual       |
| 1       |          | Behenic alcohol  | 326 C22H46O      | 000661-19-8 93  |
| 2       |          | 1-Heneicosanol   | 312 C21H44O      | 015594-90-8 93  |
| 3       |          | n-Tetracosanol-1 | 354 C24H50O      | 000506-51-4 91  |
| 4       |          | n-Nonadecanol-1  | 284 C19H40O      | 001454-84-8 91  |
| 5       |          | E-7-Octadecene   | 252 C18H36       | 1000130-92-0 86 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060320\  
Data File : BF120526.D  
Acq On : 3 Jun 2020 22:55  
Operator : JU/CG  
Sample : L2839-08 2X  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

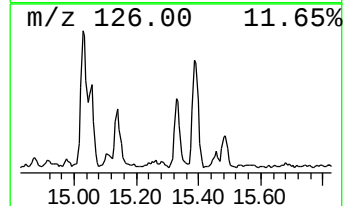
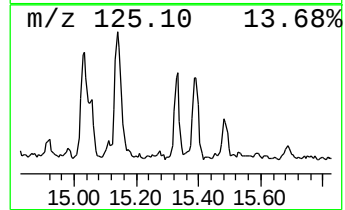
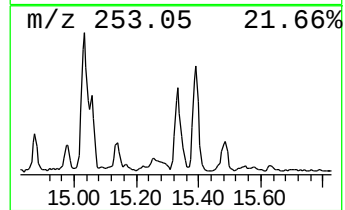
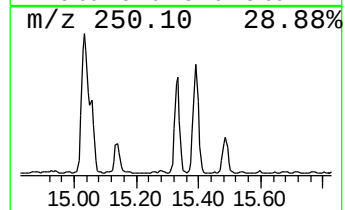
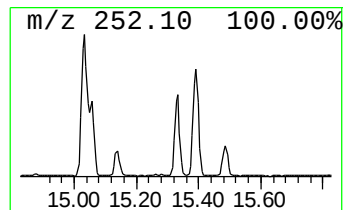
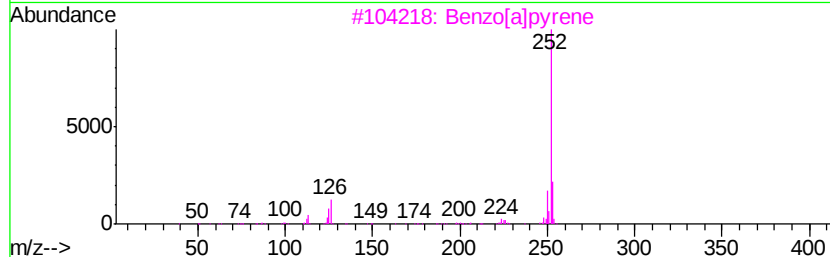
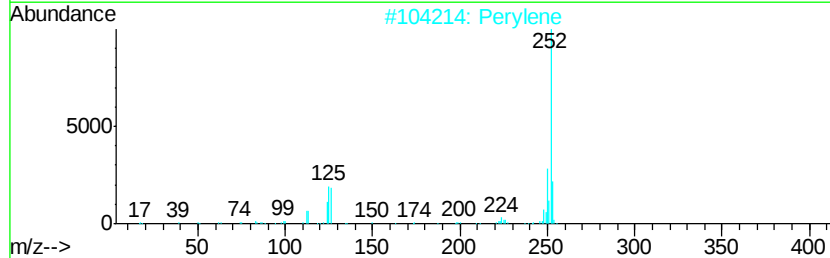
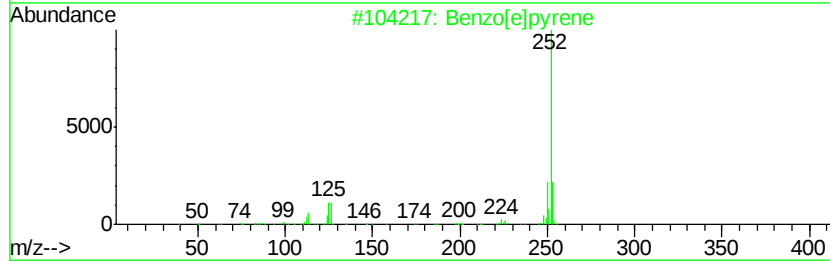
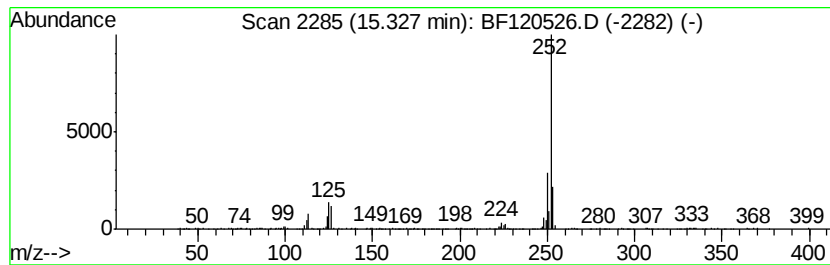
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NM112-COMP-2020-0-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.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 13 Benzo[e]pyrene Concentration Rank 17

| R.T.      | EstConc                  | Area   | Relative to ISTD |             | R.T.  |
|-----------|--------------------------|--------|------------------|-------------|-------|
| 15.33     | 5.29 ng                  | 213582 | Perylene-d12     |             | 15.46 |
| Hit# of 5 | Tentative ID             | MW     | MolForm          | CAS#        | Qual  |
| 1         | Benzo[el]pvrene          | 252    | C20H12           | 000192-97-2 | 99    |
| 2         | Perylene                 | 252    | C20H12           | 000198-55-0 | 97    |
| 3         | Benzo[al]pvrene          | 252    | C20H12           | 000050-32-8 | 96    |
| 4         | Benzo[k]fluoranthene     | 252    | C20H12           | 000207-08-9 | 96    |
| 5         | Benz[e]acephenanthrylene | 252    | C20H12           | 000205-99-2 | 93    |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060320\  
Data File : BF120526.D  
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Operator : JU/CG  
Sample : L2839-08 2X  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

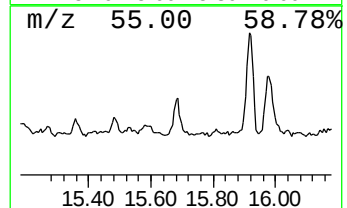
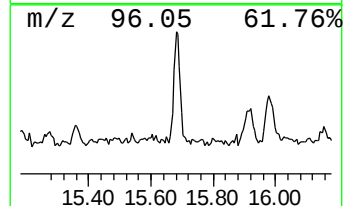
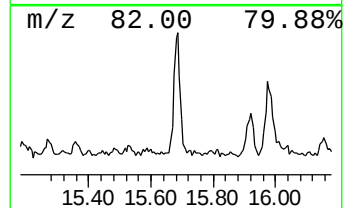
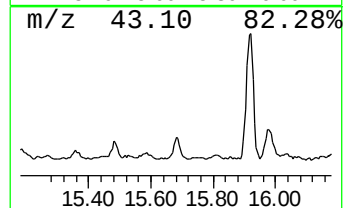
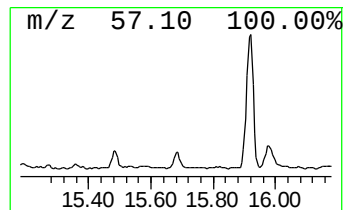
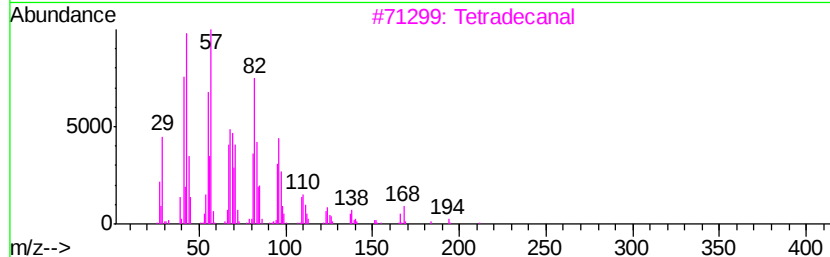
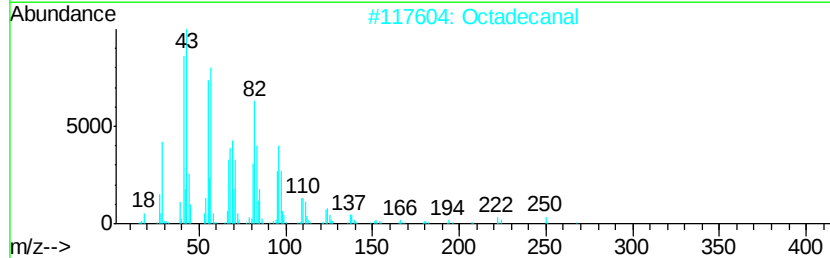
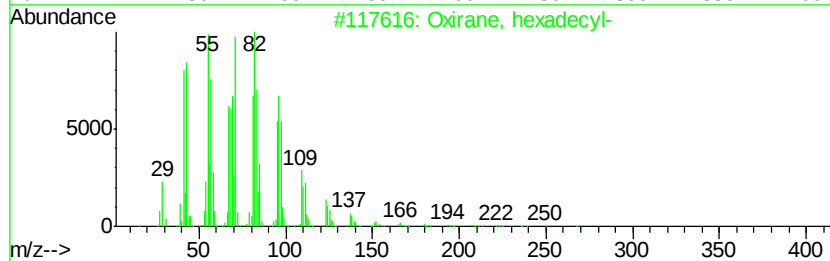
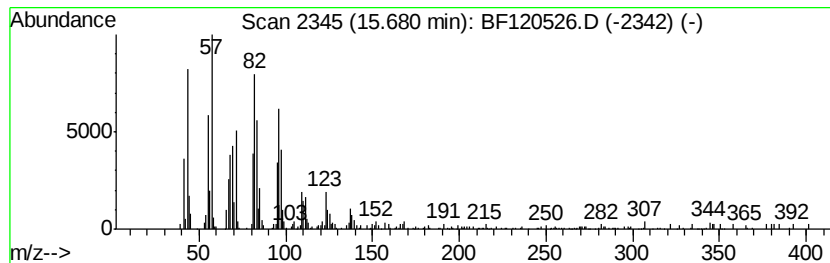
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NM112-COMP-2020-0-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.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 14 Oxirane, hexadecyl- Concentration Rank 16

| R.T.      | EstConc              | Area   | Relative to ISTD | R.T.         |      |
|-----------|----------------------|--------|------------------|--------------|------|
| 15.68     | 5.45 ng              | 220156 | Perylene-d12     | 15.46        |      |
| Hit# of 5 | Tentative ID         | MW     | MolForm          | CAS#         | Qual |
| 1         | Oxirane, hexadecyl-  | 268    | C18H36O          | 007390-81-0  | 90   |
| 2         | Octadecanal          | 268    | C18H36O          | 000638-66-4  | 90   |
| 3         | Tetradecanal         | 212    | C14H28O          | 000124-25-4  | 89   |
| 4         | Oxirane, heptadecyl- | 282    | C19H38O          | 067860-04-2  | 87   |
| 5         | Z-2-Octadecen-1-ol   | 268    | C18H36O          | 1000131-11-0 | 76   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060320\  
Data File : BF120526.D  
Acq On : 3 Jun 2020 22:55  
Operator : JU/CG  
Sample : L2839-08 2X  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
NM112-COMP-2020-0-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

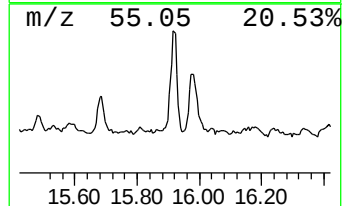
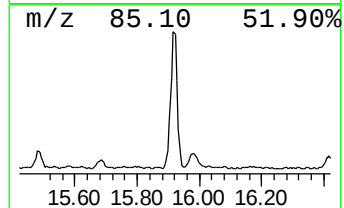
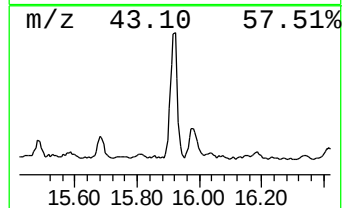
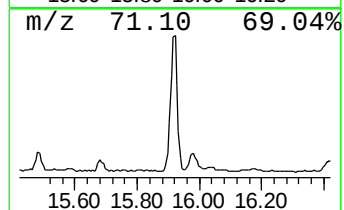
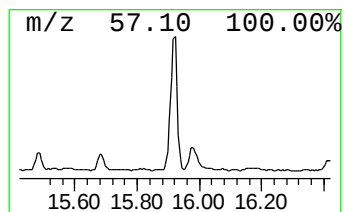
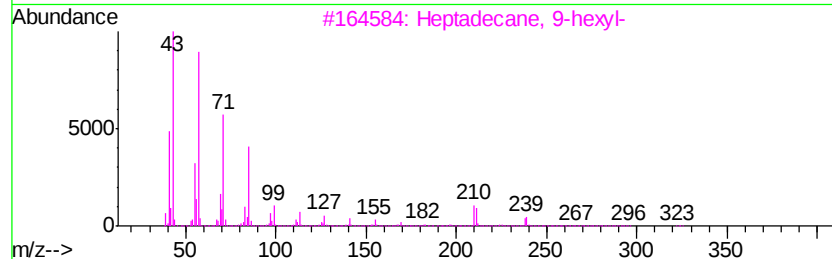
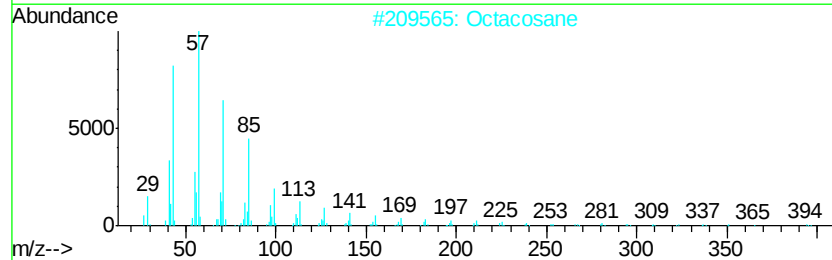
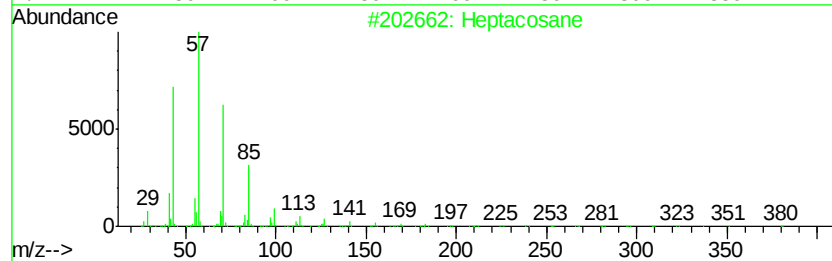
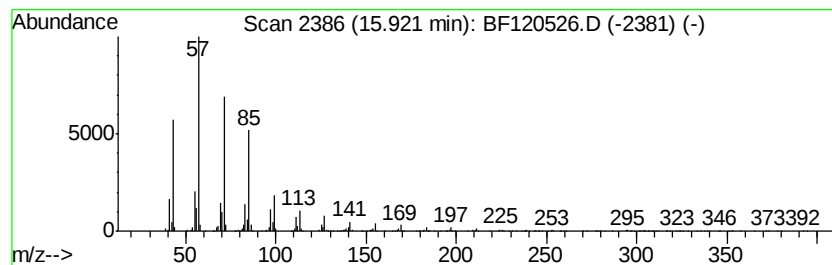
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 15 Heptacosane Concentration Rank 4

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 15.92 | 21.13 ng | 853072 | Perylene-d12     | 15.46 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Heptacosane           | 380 | C27H56  | 000593-49-7 | 95   |
| 2    |    | Octacosane            | 394 | C28H58  | 000630-02-4 | 94   |
| 3    |    | Heptadecane, 9-hexyl- | 324 | C23H48  | 055124-79-3 | 93   |
| 4    |    | Tridecane, 1-iodo-    | 310 | C13H27I | 035599-77-0 | 93   |
| 5    |    | Heneicosane           | 296 | C21H44  | 000629-94-7 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060320\  
Data File : BF120526.D  
Acq On : 3 Jun 2020 22:55  
Operator : JU/CG  
Sample : L2839-08 2X  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

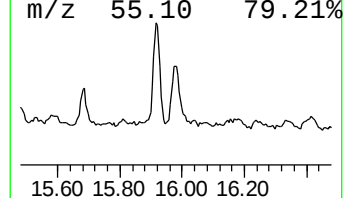
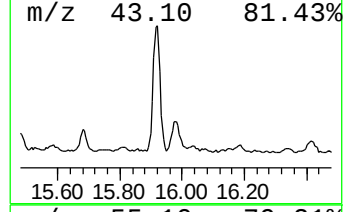
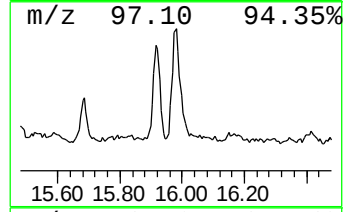
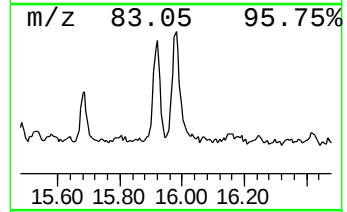
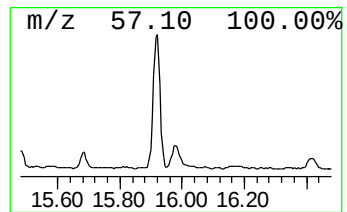
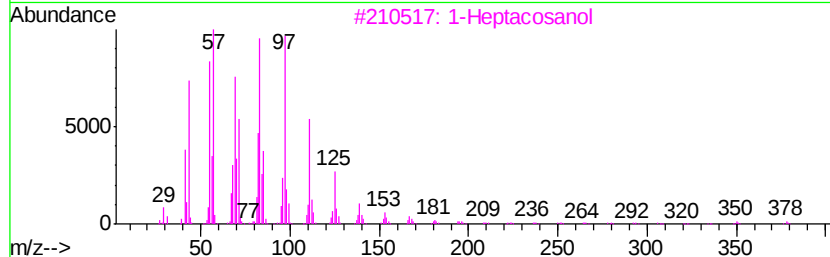
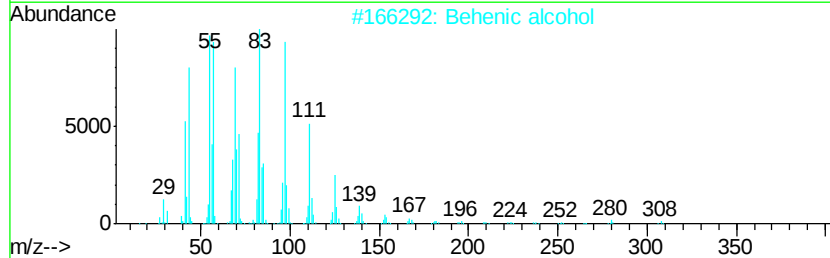
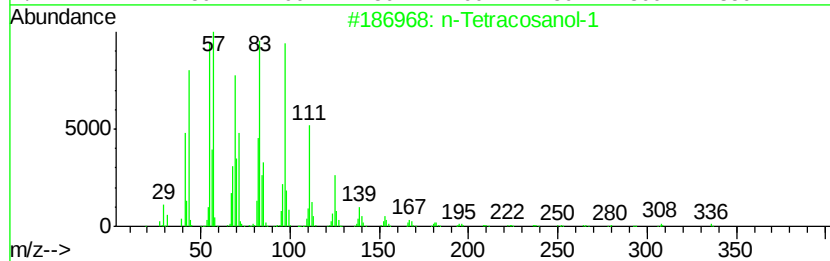
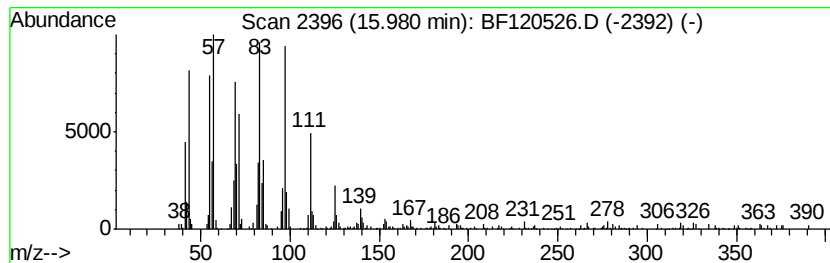
Instrument :  
BNA\_F  
ClientSampleId :  
NM112-COMP-2020-0-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 16 1-Heptacosanol Concentration Rank 11

| R.T.      | EstConc           | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------|--------|------------------|-------------|------|
| 15.98     | 8.80 ng           | 355108 | Perylene-d12     | 15.46       |      |
| Hit# of 5 | Tentative ID      | MW     | MolForm          | CAS#        | Qual |
| 1         | n-Tetracosanol-1  | 354    | C24H50O          | 000506-51-4 | 94   |
| 2         | Behenic alcohol   | 326    | C22H46O          | 000661-19-8 | 94   |
| 3         | 1-Heptacosanol    | 396    | C27H56O          | 002004-39-9 | 94   |
| 4         | Octacosyl acetate | 452    | C30H60O2         | 018206-97-8 | 93   |
| 5         | 9-Tricosene, (Z)- | 322    | C23H46           | 027519-02-4 | 93   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060320\  
 Data File : BF120526.D  
 Acq On : 3 Jun 2020 22:55  
 Operator : JU/CG  
 Sample : L2839-08 2X  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 NM112-COMP-2020-0-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

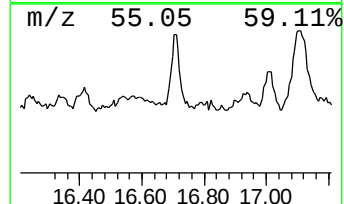
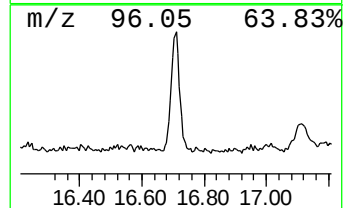
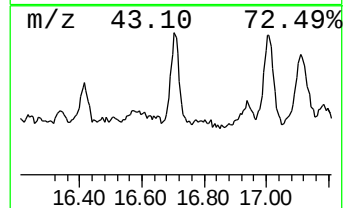
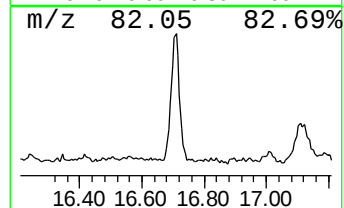
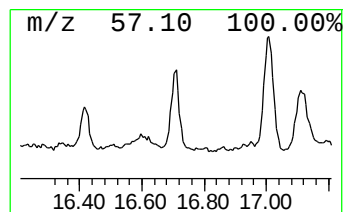
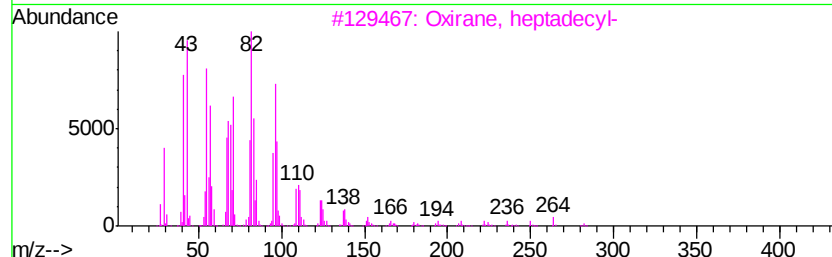
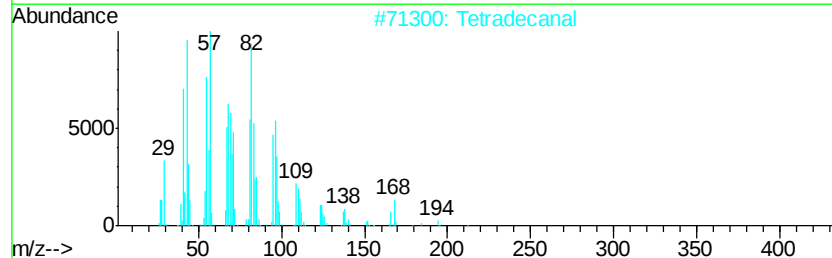
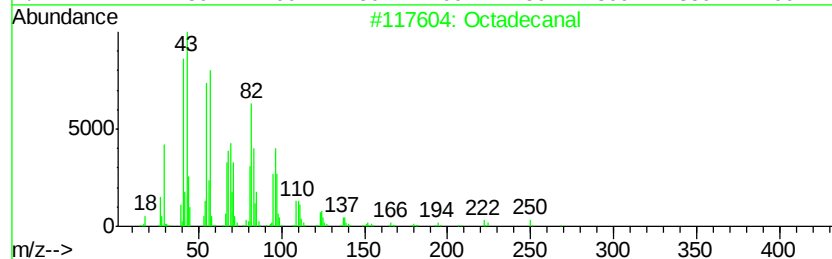
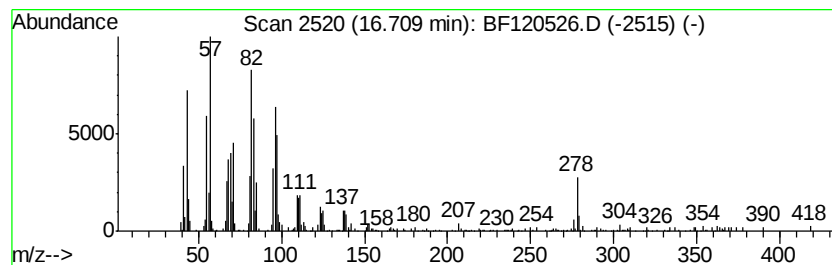
TIC Library : C:\DATABASE\NIST11.L  
 TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
 Peak Number 17 Octadecanal Concentration Rank 10

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 16.71 | 9.80 ng | 395393 | Perylene-d12     | 15.46 |

| Hit# | of | Tentative ID                    | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------------|-----|---------|-------------|------|
| 1    | 5  | Octadecanal                     | 268 | C18H36O | 000638-66-4 | 91   |
| 2    |    | Tetradecanal                    | 212 | C14H28O | 000124-25-4 | 89   |
| 3    |    | Oxirane, heptadecyl-            | 282 | C19H38O | 067860-04-2 | 64   |
| 4    |    | Oxirane, hexadecyl-             | 268 | C18H36O | 007390-81-0 | 64   |
| 5    |    | Cyclopentane, (4-octyldodecyl)- | 350 | C25H50  | 005638-09-5 | 64   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060320\  
Data File : BF120526.D  
Acq On : 3 Jun 2020 22:55  
Operator : JU/CG  
Sample : L2839-08 2X  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

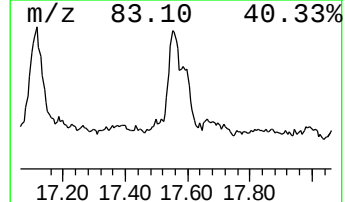
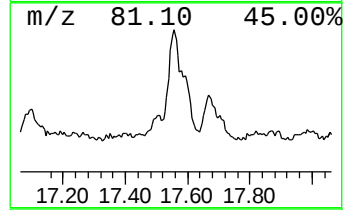
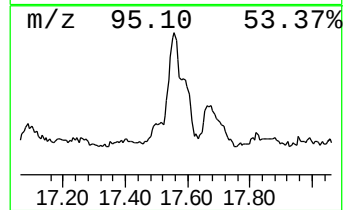
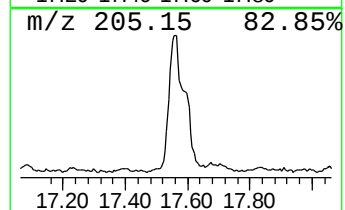
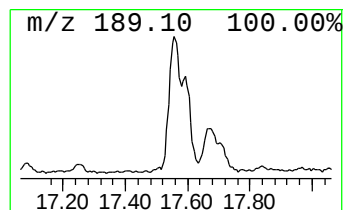
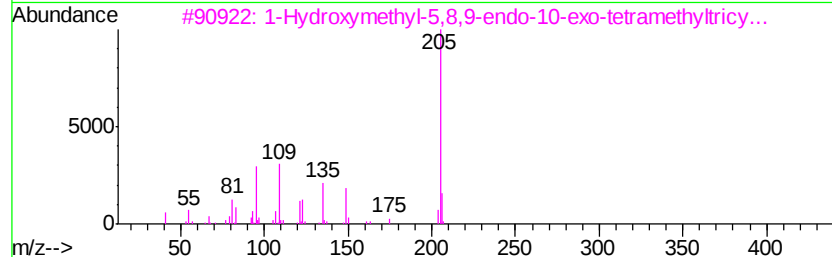
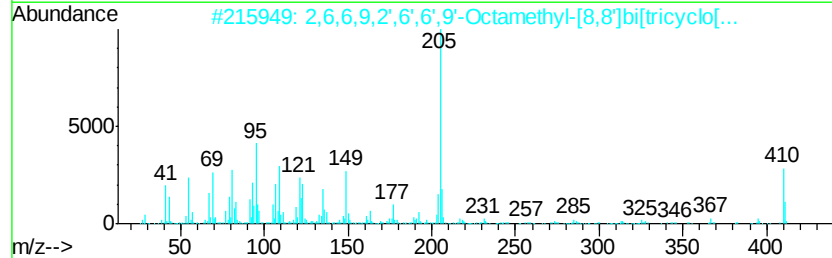
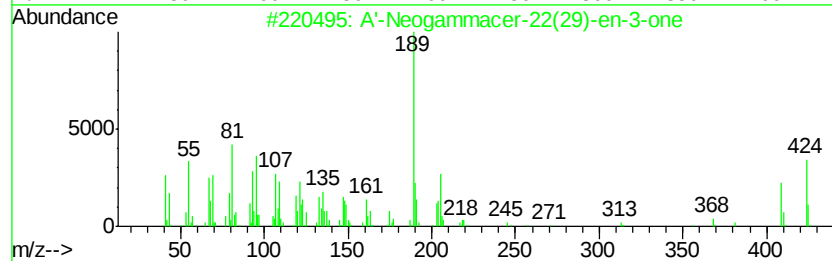
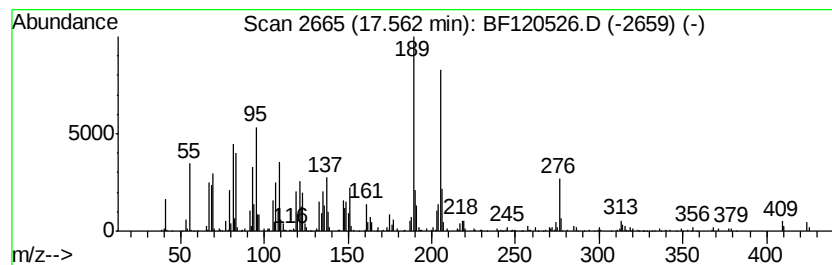
Instrument :  
BNA\_F  
ClientSampleId :  
NM112-COMP-2020-0-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 18 A'-Neogammacer-22(29)-en-3-one Concentration Rank 8

| R.T.    | EstConc                              | Area                        | Relative to ISTD | R.T.      |              |      |
|---------|--------------------------------------|-----------------------------|------------------|-----------|--------------|------|
| 17.56   | 14.76 ng                             | 595668                      | Perylene-d12     | 15.46     |              |      |
| Hit# of | 5                                    | Tentative ID                | MW               | MolForm   | CAS#         | Qual |
| 1       | A'                                   | Neogammacer-22(29)-en-3-one | 424              | C30H48O   | 025615-11-6  | 97   |
| 2       | 2,6,6,9,2',6',6',9'                  | Octamethyl-[...]            | 410              | C30H50    | 1000189-48-2 | 45   |
| 3       | 1-Hydroxymethyl-5,8,9-endo-10-exo... |                             | 236              | C16H28O   | 1000140-32-9 | 38   |
| 4       | Phosphine, dimenthoxymenthyl-        |                             | 480              | C30H57O2P | 123973-40-0  | 30   |
| 5       | 1-(3,4-Dimethoxyphenyl)cyclopent...  |                             | 331              | C20H29NO3 | 1000304-17-3 | 22   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060320\  
 Data File : BF120526.D  
 Acq On : 3 Jun 2020 22:55  
 Operator : JU/CG  
 Sample : L2839-08 2X  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 NM112-COMP-2020-0-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

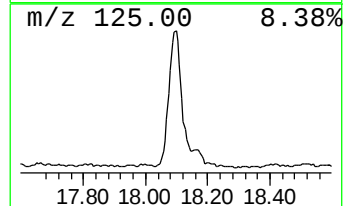
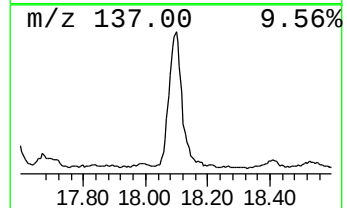
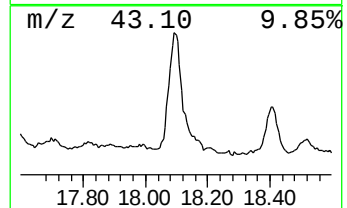
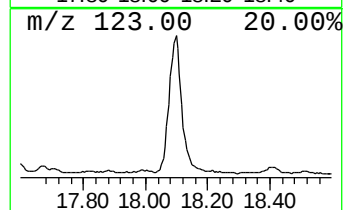
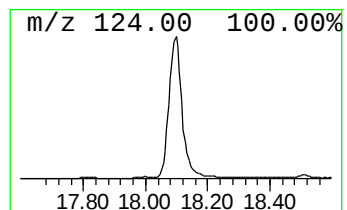
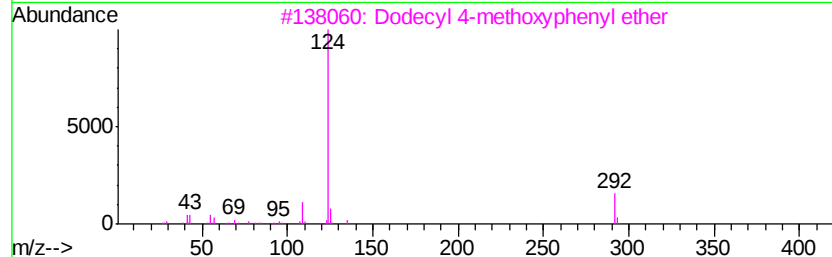
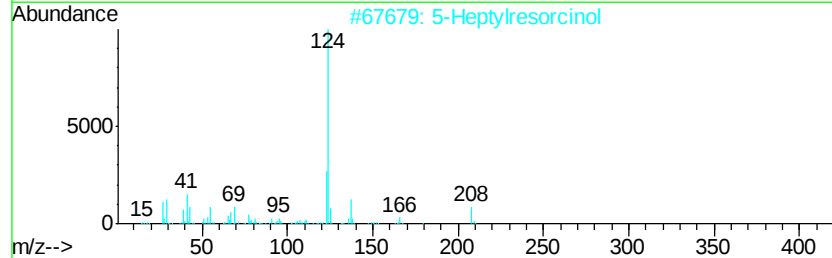
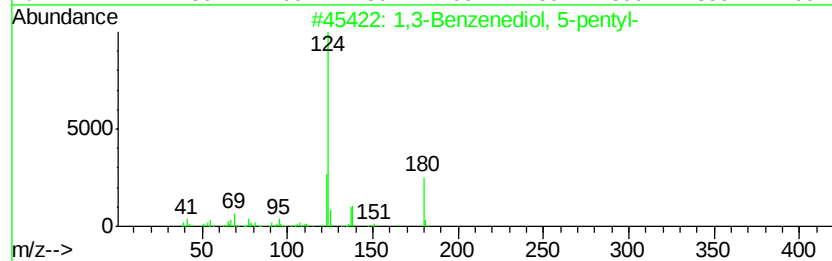
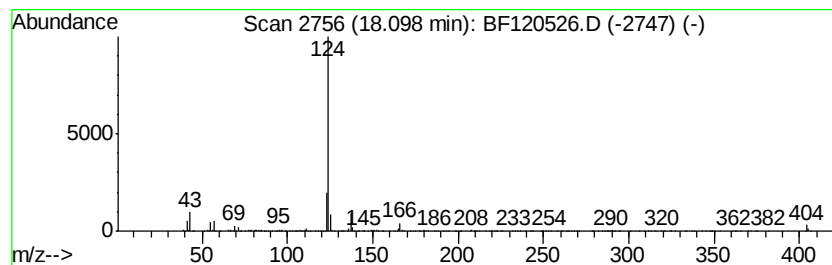
TIC Library : C:\DATABASE\NIST11.L  
 TIC Integration Parameters: LSCINT.P

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 Peak Number 19 1,3-Benzenediol, 5-pentyl- Concentration Rank 1

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 18.10 | 52.81 ng | 2131710 | Perylene-d12     | 15.46 |

| Hit# | of | Tentative ID                     | MW  | MolForm  | CAS#         | Qual |
|------|----|----------------------------------|-----|----------|--------------|------|
| 1    | 5  | 1,3-Benzenediol, 5-pentyl-       | 180 | C11H16O2 | 000500-66-3  | 72   |
| 2    |    | 5-Heptylresorcinol               | 208 | C13H20O2 | 000500-67-4  | 64   |
| 3    |    | Dodecyl 4-methoxyphenyl ether    | 292 | C19H32O2 | 1000323-10-7 | 50   |
| 4    |    | 2-Amino-3-methylpyridine-N-oxide | 124 | C6H8N2O  | 053669-61-7  | 50   |
| 5    |    | 4-Methoxyphenyl pentadecyl ether | 334 | C22H38O2 | 1000323-10-9 | 50   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060320\  
Data File : BF120526.D  
Acq On : 3 Jun 2020 22:55  
Operator : JU/CG  
Sample : L2839-08 2X  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
NM112-COMP-2020-0-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

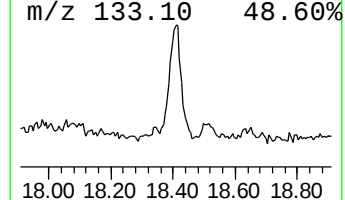
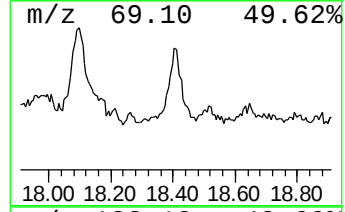
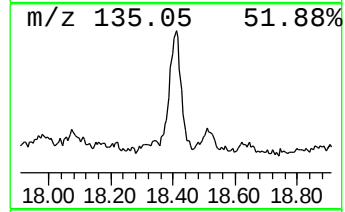
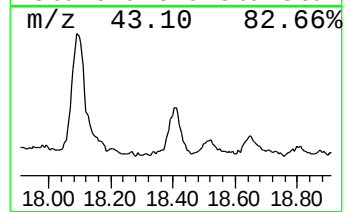
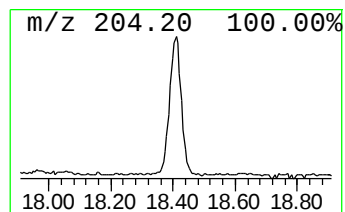
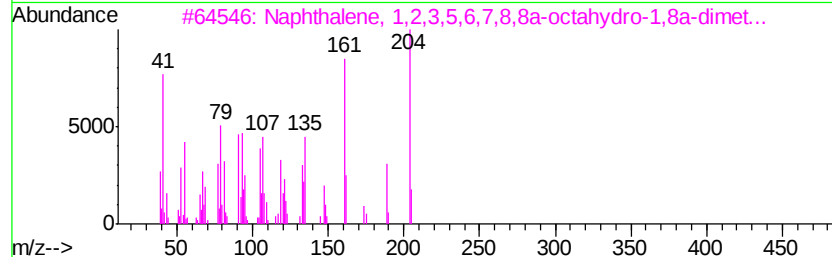
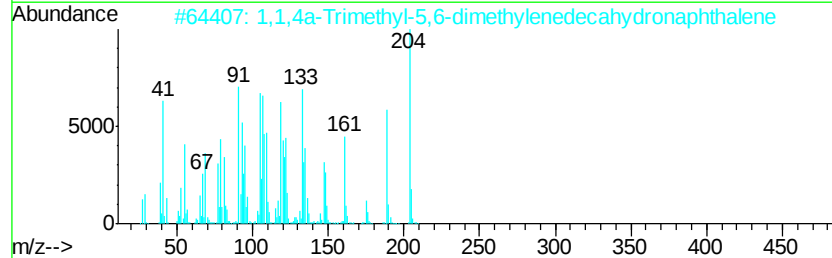
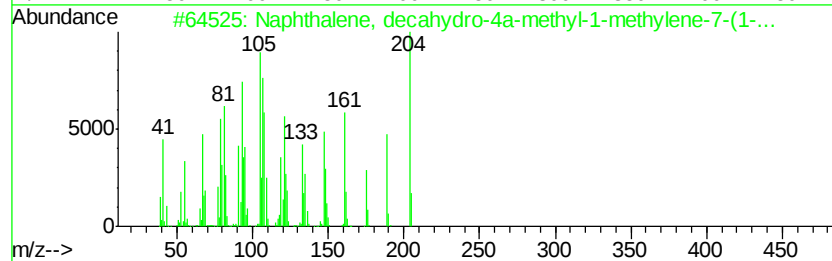
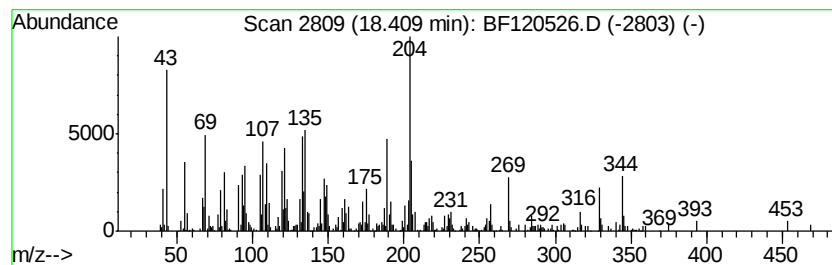
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 20 Naphthalene, decahydro-4a-m... Concentration Rank 7

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 18.41 | 16.75 ng | 676010 | Perylene-d12     | 15.46 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|-------------------------------------|-----|---------|--------------|------|
| 1    | 5  | Naphthalene, decahydro-4a-methyl... | 204 | C15H24  | 017066-67-0  | 53   |
| 2    |    | 1,1,4a-Trimethyl-5,6-dimethylene... | 204 | C15H24  | 1000193-60-8 | 53   |
| 3    |    | Naphthalene, 1,2,3,5,6,7,8,8a-oc... | 204 | C15H24  | 004630-07-3  | 49   |
| 4    |    | 2,5,5,8a-Tetramethyl-6,7,8,8a-te... | 204 | C14H20O | 124957-09-1  | 46   |
| 5    |    | 1Hbenz[de]anthracene, hexadecahy... | 344 | C25H44  | 007225-65-2  | 44   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF060320\  
 Data File : BF120526.D  
 Acq On : 3 Jun 2020 22:55  
 Operator : JU/CG  
 Sample : L2839-08 2X  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 NM112-COMP-2020-0-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF052820.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-methoxy... | 2.09  | 8.4     | ng    | 518032   | 1                     | 6.83  | 1233520 | 20.0 |
| unknown8.87          | 8.87  | 48.5    | ng    | 3547130  | 2                     | 8.12  | 1463420 | 20.0 |
| unknown11.10         | 11.10 | 20.4    | ng    | 1369140  | 4                     | 11.36 | 1338870 | 20.0 |
| n-Hexadecanoic acid  | 11.89 | 4.8     | ng    | 320090   | 4                     | 11.36 | 1338870 | 20.0 |
| 11-Octadecenoic a... | 12.47 | 14.3    | ng    | 954742   | 4                     | 11.36 | 1338870 | 20.0 |
| Behenic alcohol      | 13.84 | 4.9     | ng    | 357430   | 5                     | 14.00 | 1465070 | 20.0 |
| 2-Nonadecanone       | 13.89 | 5.1     | ng    | 375229   | 5                     | 14.00 | 1465070 | 20.0 |
| 1-Heneicosanol       | 14.48 | 6.0     | ng    | 439579   | 5                     | 14.00 | 1465070 | 20.0 |
| Oxirane, heptadecyl- | 14.92 | 8.6     | ng    | 348014   | 6                     | 15.46 | 807322  | 20.0 |
| Pentadecane, 8-he... | 15.11 | 8.5     | ng    | 343462   | 6                     | 15.46 | 807322  | 20.0 |
| n-Tetracosanol-1     | 15.14 | 19.3    | ng    | 779827   | 6                     | 15.46 | 807322  | 20.0 |
| Benzo[e]pyrene       | 15.33 | 5.3     | ng    | 213582   | 6                     | 15.46 | 807322  | 20.0 |
| Oxirane, hexadecyl-  | 15.68 | 5.5     | ng    | 220156   | 6                     | 15.46 | 807322  | 20.0 |
| Heptacosane          | 15.92 | 21.1    | ng    | 853072   | 6                     | 15.46 | 807322  | 20.0 |
| 1-Heptacosanol       | 15.98 | 8.8     | ng    | 355108   | 6                     | 15.46 | 807322  | 20.0 |
| Octadecanal          | 16.71 | 9.8     | ng    | 395393   | 6                     | 15.46 | 807322  | 20.0 |
| A'-Neogammacer-22... | 17.56 | 14.8    | ng    | 595668   | 6                     | 15.46 | 807322  | 20.0 |
| 1,3-Benzenediol, ... | 18.10 | 52.8    | ng    | 2131710  | 6                     | 15.46 | 807322  | 20.0 |
| Naphthalene, deca... | 18.41 | 16.8    | ng    | 676010   | 6                     | 15.46 | 807322  | 20.0 |