# LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041720\
Data File : BF120056.D
Acq On : 17 Apr 2020 13:53
Operator : MA/SJ
Sample : L2271-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** BG-7

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-BF040820.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.334 | 547 | 552 | 555 | rBV | 4531350 | 5035774 | 82.38% | 7.116% |
| 2 | 5.998 | 661 | 665 | 675 | rBV | 2780447 | 2427177 | 39.70% | 3.430% |
| 3 | 6.369 | 722 | 728 | 731 | rBV | 3998815 | 5191704 | 84.93% | 7.336% |
| 4 | 6.422 | 735 | 737 | 741 | rVB | 990392 | 909729 | 14.88% | 1.285% |
| 5 | 6.557 | 757 | 760 | 766 | rBV | 182949 | 152518 | 2.49% | 0.216% |
| 6 | 6.728 | 785 | 789 | 792 | rBV | 1217931 | 1070970 | 17.52% | 1.513% |
| 7 | 6.887 | 811 | 816 | 819 | rVB | 4789580 | 4391534 | 71.84% | 6.205% |
| 8 | 7.298 | 879 | 886 | 889 | rBV | 3341939 | 3534535 | 57.82% | 4.994% |
| 9 | 7.492 | 913 | 919 | 922 | rVB | 56019 | 65419 | 1.07% | 0.092% |
| 10 | 8.010 | 1002 | 1007 | 1010 | rBV | 1710161 | 1366697 | 22.36% | 1.931% |
| 11 | 8.598 | 1100 | 1107 | 1111 | rBV2 | 250957 | 229746 | 3.76% | 0.325% |
| 12 | 8.969 | 1167 | 1170 | 1175 | rVB2 | 87742 | 73887 | 1.21% | 0.104% |
| 13 | 9.092 | 1184 | 1191 | 1194 | rBV | 6041381 | 6113222 | 100.00% | 8.638% |
| 14 | 9.175 | 1198 | 1205 | 1206 | rBV4 | 40977 | 74003 | 1.21% | 0.105% |
| 15 | 9.210 | 1209 | 1211 | 1213 | rBV2 | 142120 | 122302 | 2.00% | 0.173% |
| 16 | 9.428 | 1245 | 1248 | 1251 | rVB | 107423 | 85897 | 1.41% | 0.121% |
| 17 | 9.486 | 1251 | 1258 | 1262 | rBV | 660259 | 571448 | 9.35% | 0.807% |
| 18 | 9.528 | 1262 | 1265 | 1268 | rVB | 184696 | 156139 | 2.55% | 0.221% |
| 19 | 9.681 | 1286 | 1291 | 1294 | rBV5 | 107747 | 104990 | 1.72% | 0.148% |
| 20 | 9.769 | 1299 | 1306 | 1309 | rBV | 1623484 | 1419101 | 23.21% | 2.005% |
| 21 | 9.798 | 1309 | 1311 | 1314 | rVV2 | 303627 | 290539 | 4.75% | 0.411% |
| 22 | 9.822 | 1314 | 1315 | 1321 | rVB3 | 101422 | 78160 | 1.28% | 0.110% |
| 23 | 9.892 | 1321 | 1327 | 1329 | rBV | 304099 | 280278 | 4.58% | 0.396% |
| 24 | 9.916 | 1329 | 1331 | 1339 | rVB3 | 154340 | 178904 | 2.93% | 0.253% |
| 25 | 10.010 | 1344 | 1347 | 1350 | rVV2 | 80600 | 114951 | 1.88% | 0.162% |
| 26 | 10.039 | 1350 | 1352 | 1361 | rVB | 66599 | 63135 | 1.03% | 0.089% |
| 27 | 10.239 | 1382 | 1386 | 1389 | rBV | 421615 | 332635 | 5.44% | 0.470% |
| 28 | 10.286 | 1389 | 1394 | 1396 | rVB2 | 80732 | 75594 | 1.24% | 0.107% |
| 29 | 10.375 | 1407 | 1409 | 1415 | rBV5 | 50118 | 66602 | 1.09% | 0.094% |
| 30 | 10.563 | 1432 | 1441 | 1444 | rBV | 3130716 | 3155713 | 51.62% | 4.459% |
| 31 | 10.598 | 1444 | 1447 | 1451 | rVB2 | 90783 | 93059 | 1.52% | 0.131% |
| 32 | 10.922 | 1498 | 1502 | 1509 | rBV3 | 137989 | 210058 | 3.44% | 0.297% |
| 33 | 11.251 | 1554 | 1558 | 1561 | rBV | 1288427 | 1073989 | 17.57% | 1.518% |
| 34 | 11.492 | 1595 | 1599 | 1607 | rVB | 72526 | 113426 | 1.86% | 0.160% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041720\
Data File : BF120056.D
Acq On : 17 Apr 2020 13:53
Operator : MA/SJ
Sample : L2271-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** BG-7

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-BF040820.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 11.792 | 1646 | 1650 | 1656 | rBV | 918464 | 863657 | 14.13% | 1.220% |
| 36 | 12.033 | 1688 | 1691 | 1695 | rVB | 95113 | 85268 | 1.39% | 0.120% |
| 37 | 12.157 | 1708 | 1712 | 1716 | rBV5 | 43315 | 64587 | 1.06% | 0.091% |
| 38 | 12.251 | 1724 | 1728 | 1731 | rVB2 | 47334 | 69232 | 1.13% | 0.098% |
| 39 | 12.322 | 1733 | 1740 | 1743 | rBV4 | 120474 | 159317 | 2.61% | 0.225% |
| 40 | 12.439 | 1756 | 1760 | 1764 | rBV2 | 79454 | 93139 | 1.52% | 0.132% |
| 41 | 12.498 | 1764 | 1770 | 1775 | rBV | 469402 | 647365 | 10.59% | 0.915% |
| 42 | 12.580 | 1780 | 1784 | 1791 | rBV | 1193284 | 1144499 | 18.72% | 1.617% |
| 43 | 12.645 | 1791 | 1795 | 1801 | rVB4 | 114133 | 144552 | 2.36% | 0.204% |
| 44 | 12.845 | 1822 | 1829 | 1832 | rBV | 4250463 | 4148071 | 67.85% | 5.861% |
| 45 | 12.933 | 1842 | 1844 | 1849 | rVB5 | 67664 | 75859 | 1.24% | 0.107% |
| 46 | 13.080 | 1864 | 1869 | 1872 | rBV4 | 104527 | 177660 | 2.91% | 0.251% |
| 47 | 13.139 | 1876 | 1879 | 1886 | rVV2 | 423891 | 531802 | 8.70% | 0.751% |
| 48 | 13.257 | 1896 | 1899 | 1901 | rBV | 171692 | 158799 | 2.60% | 0.224% |
| 49 | 13.286 | 1901 | 1904 | 1905 | rVV | 148339 | 175841 | 2.88% | 0.248% |
| 50 | 13.304 | 1905 | 1907 | 1911 | rVV | 552814 | 577671 | 9.45% | 0.816% |
| 51 | 13.345 | 1912 | 1914 | 1917 | rVB | 160885 | 162614 | 2.66% | 0.230% |
| 52 | 13.386 | 1917 | 1921 | 1924 | rBV | 471635 | 434890 | 7.11% | 0.615% |
| 53 | 13.416 | 1924 | 1926 | 1930 | rVV2 | 245635 | 296074 | 4.84% | 0.418% |
| 54 | 13.451 | 1930 | 1932 | 1936 | rVB | 106060 | 92450 | 1.51% | 0.131% |
| 55 | 13.539 | 1944 | 1947 | 1950 | rBV | 250243 | 219019 | 3.58% | 0.309% |
| 56 | 13.592 | 1951 | 1956 | 1957 | rBV | 417320 | 522355 | 8.54% | 0.738% |
| 57 | 13.621 | 1957 | 1961 | 1969 | rVV | 1310958 | 1689106 | 27.63% | 2.387% |
| 58 | 13.710 | 1972 | 1976 | 1980 | rVV | 1816723 | 2090810 | 34.20% | 2.954% |
| 59 | 13.757 | 1980 | 1984 | 1989 | rVV | 544930 | 645852 | 10.56% | 0.913% |
| 60 | 13.792 | 1989 | 1990 | 1994 | rVB4 | 88051 | 89569 | 1.47% | 0.127% |
| 61 | 13.851 | 1996 | 2000 | 2002 | rBV | 1088931 | 1007009 | 16.47% | 1.423% |
| 62 | 13.892 | 2002 | 2007 | 2010 | rVB | 892433 | 1329540 | 21.75% | 1.879% |
| 63 | 13.974 | 2017 | 2021 | 2027 | rBV | 962751 | 1053292 | 17.23% | 1.488% |
| 64 | 14.027 | 2027 | 2030 | 2034 | rVV2 | 209202 | 241066 | 3.94% | 0.341% |
| 65 | 14.069 | 2034 | 2037 | 2040 | rVV | 281082 | 309043 | 5.06% | 0.437% |
| 66 | 14.098 | 2040 | 2042 | 2049 | rVB | 524808 | 643830 | 10.53% | 0.910% |
| 67 | 14.192 | 2055 | 2058 | 2065 | rBV2 | 354699 | 421409 | 6.89% | 0.595% |
| 68 | 14.251 | 2065 | 2068 | 2070 | rVV3 | 101196 | 84477 | 1.38% | 0.119% |
| 69 | 14.286 | 2070 | 2074 | 2079 | rVV2 | 119256 | 171574 | 2.81% | 0.242% |
| 70 | 14.386 | 2087 | 2091 | 2097 | rBV | 1322417 | 1650570 | 27.00% | 2.332% |
| 71 | 14.498 | 2108 | 2110 | 2112 | rBV3 | 77463 | 75598 | 1.24% | 0.107% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041720\
Data File : BF120056.D
Acq On : 17 Apr 2020 13:53
Operator : MA/SJ
Sample : L2271-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** BG-7

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-BF040820.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 14.563 | 2119 | 2121 | 2123 | rBV2 | 81292 | 72846 | 1.19% | 0.103% |
| 73 | 14.592 | 2123 | 2126 | 2133 | rVB | 980183 | 1031955 | 16.88% | 1.458% |
| 74 | 14.704 | 2142 | 2145 | 2147 | rBV | 156035 | 150770 | 2.47% | 0.213% |
| 75 | 14.810 | 2160 | 2163 | 2171 | rBV | 236003 | 276900 | 4.53% | 0.391% |
| 76 | 14.910 | 2176 | 2180 | 2187 | rBV9 | 76469 | 190908 | 3.12% | 0.270% |
| 77 | 14.998 | 2191 | 2195 | 2197 | rBV | 352923 | 374994 | 6.13% | 0.530% |
| 78 | 15.027 | 2197 | 2200 | 2207 | rVB | 414414 | 553078 | 9.05% | 0.782% |
| 79 | 15.268 | 2237 | 2241 | 2246 | rBV2 | 183547 | 248091 | 4.06% | 0.351% |
| 80 | 15.327 | 2246 | 2251 | 2254 | rVB | 579088 | 700825 | 11.46% | 0.990% |
| 81 | 15.551 | 2285 | 2289 | 2296 | rBV2 | 318944 | 441934 | 7.23% | 0.624% |
| 82 | 15.774 | 2322 | 2327 | 2331 | rBV | 241610 | 325753 | 5.33% | 0.460% |
| 83 | 15.827 | 2331 | 2336 | 2344 | rBV | 773366 | 1409129 | 23.05% | 1.991% |
| 84 | 15.915 | 2349 | 2351 | 2359 | rVB7 | 105534 | 153215 | 2.51% | 0.216% |
| 85 | 16.392 | 2429 | 2432 | 2440 | rVB10 | 56015 | 106715 | 1.75% | 0.151% |
| 86 | 16.527 | 2450 | 2455 | 2462 | rBV | 201305 | 335190 | 5.48% | 0.474% |
| 87 | 16.880 | 2510 | 2515 | 2528 | rBV | 121640 | 391297 | 6.40% | 0.553% |
| 88 | 17.280 | 2576 | 2583 | 2598 | rBV4 | 409500 | 1116410 | 18.26% | 1.578% |
| 89 | 17.586 | 2628 | 2635 | 2642 | rBV | 129436 | 314384 | 5.14% | 0.444% |
| 90 | 18.039 | 2706 | 2712 | 2725 | rVB8 | 120119 | 347647 | 5.69% | 0.491% |
| 91 | 18.239 | 2740 | 2746 | 2755 | rVB4 | 234007 | 588350 | 9.62% | 0.831% |
| 92 | 18.362 | 2759 | 2767 | 2768 | rBV8 | 27694 | 68866 | 1.13% | 0.097% |

Sum of corrected areas: 70770558

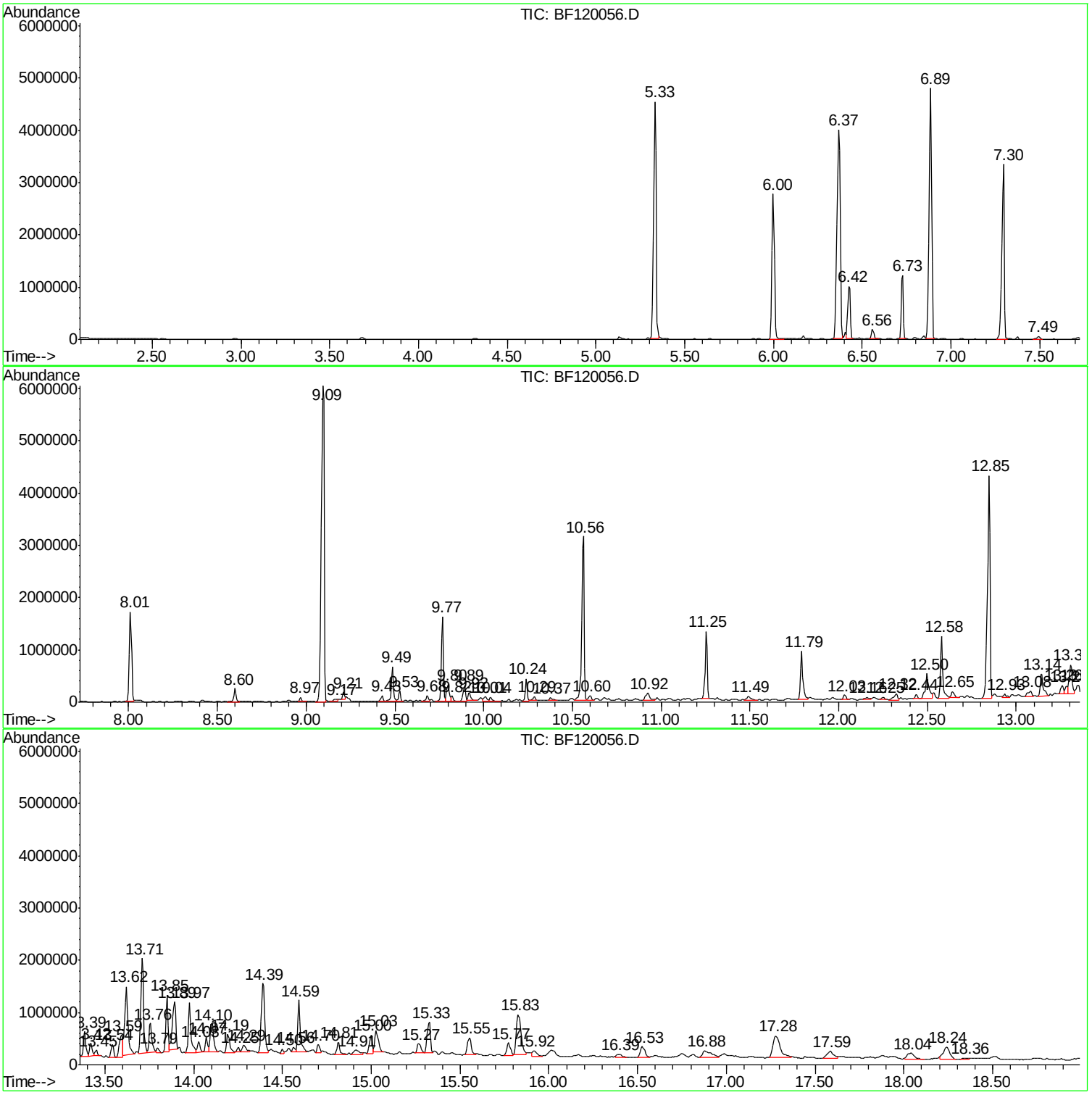
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041720\
Data File : BF120056.D
Acq On : 17 Apr 2020 13:53
Operator : MA/SJ
Sample : L2271-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
BG-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041720\
Data File : BF120056.D
Acq On : 17 Apr 2020 13:53
Operator : MA/SJ
Sample : L2271-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** BG-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

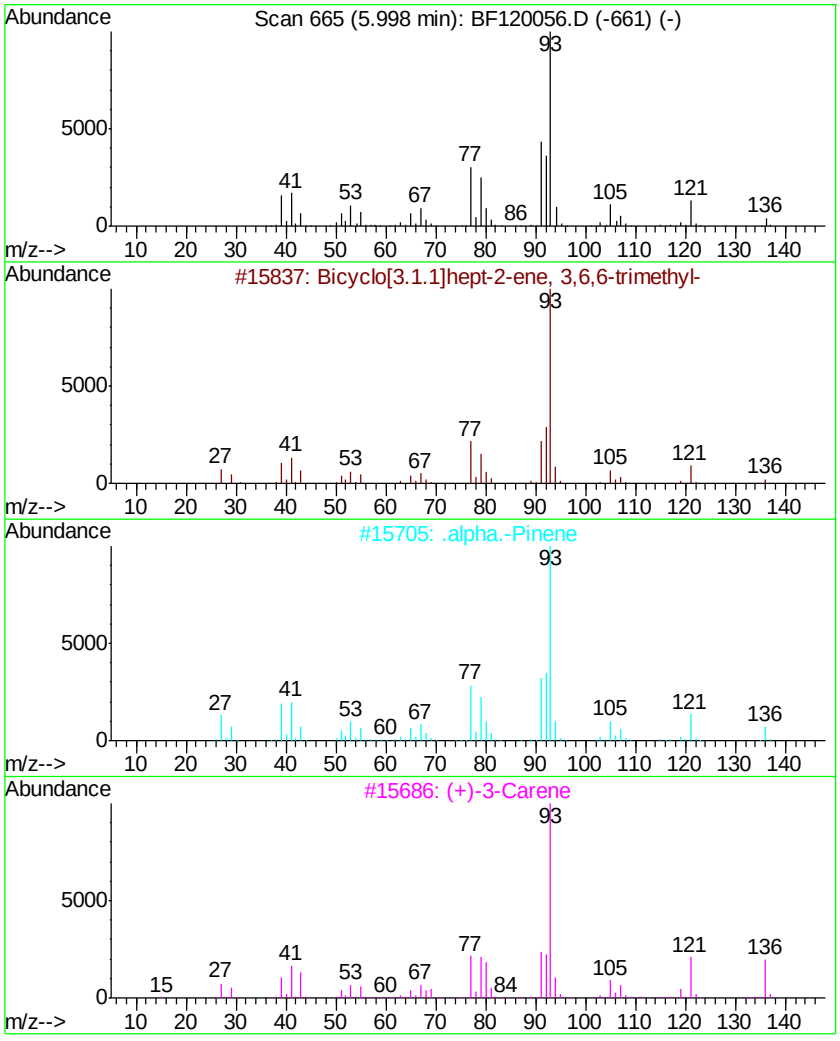
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

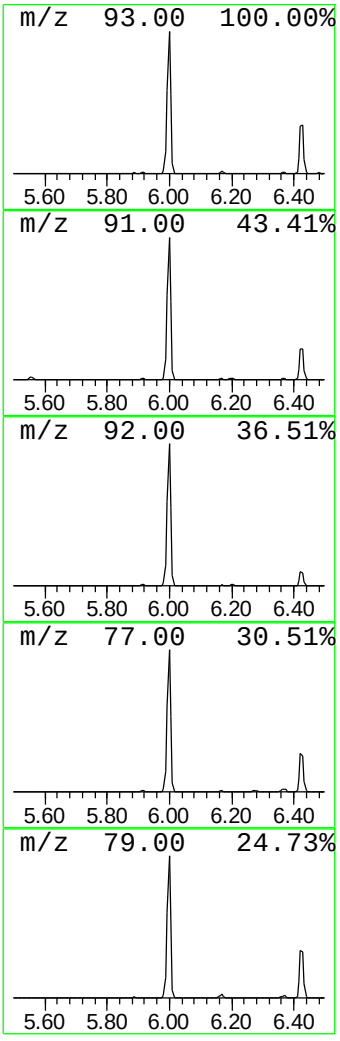
**********

Peak Number 1 Bicyclo[3.1.1]hept-2-ene, 3... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.00 | 45.33 ng | 2427180 | 1,4-Dichlorobenzene-d4 | 6.73 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Bicyclo[3.1.1]hept-2-ene, 3,6,6-... | 136 | C10H16 | 004889-83-2 | 94 |
| 2 | .alpha.-Pinene | 136 | C10H16 | 000080-56-8 | 94 |
| 3 | (+)-3-Carene | 136 | C10H16 | 000498-15-7 | 91 |
| 4 | Tricyclo[2.2.1.0(2,6)]heptane, 1... | 136 | C10H16 | 000508-32-7 | 91 |
| 5 | (1R)-2,6,6-Trimethylbicyclo[3.1.... | 136 | C10H16 | 007785-70-8 | 91 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041720\
Data File : BF120056.D
Acq On : 17 Apr 2020 13:53
Operator : MA/SJ
Sample : L2271-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** BG-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

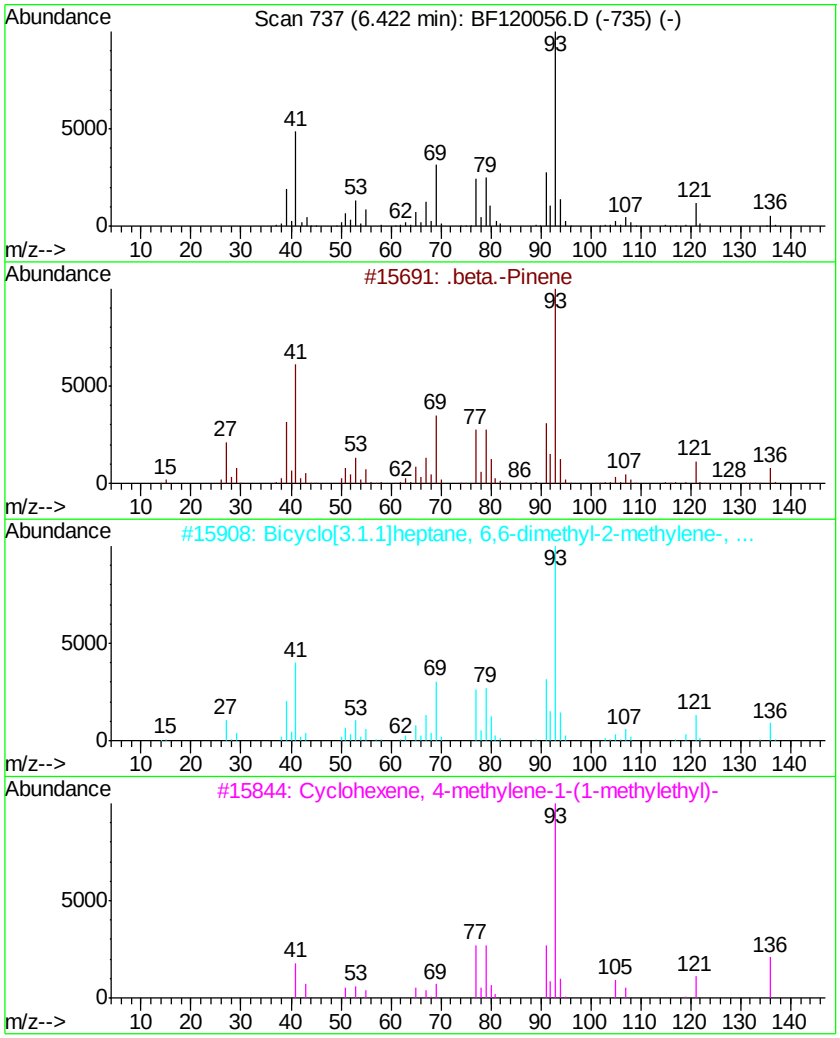
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

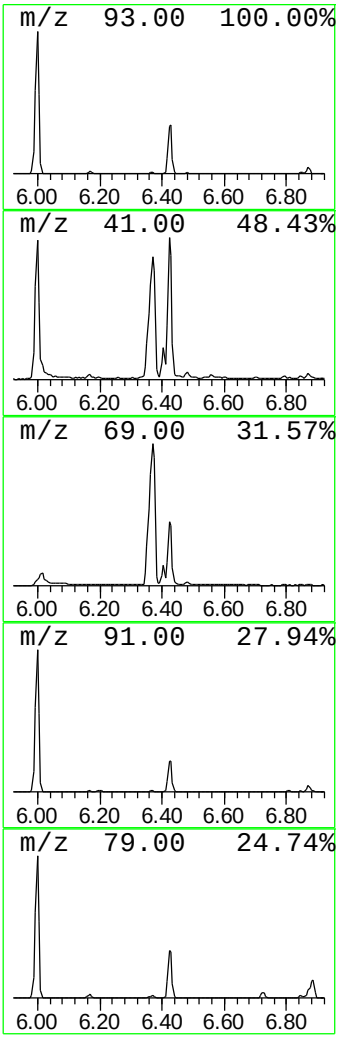
**********

Peak Number 2 .beta.-Pinene Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.42 | 16.99 ng | 909729 | 1,4-Dichlorobenzene-d4 | 6.73 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | .beta.-Pinene | 136 | C10H16 | 000127-91-3 | 96 |
| 2 | Bicyclo[3.1.1]heptane, 6,6-dimet... | 136 | C10H16 | 018172-67-3 | 91 |
| 3 | Cyclohexene, 4-methylene-1-(1-me... | 136 | C10H16 | 000099-84-3 | 91 |
| 4 | Tricyclo[2.2.1.0(2,6)]heptane, 1... | 136 | C10H16 | 000508-32-7 | 91 |
| 5 | .alpha.-Pinene | 136 | C10H16 | 000080-56-8 | 87 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041720\
Data File : BF120056.D
Acq On : 17 Apr 2020 13:53
Operator : MA/SJ
Sample : L2271-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** BG-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

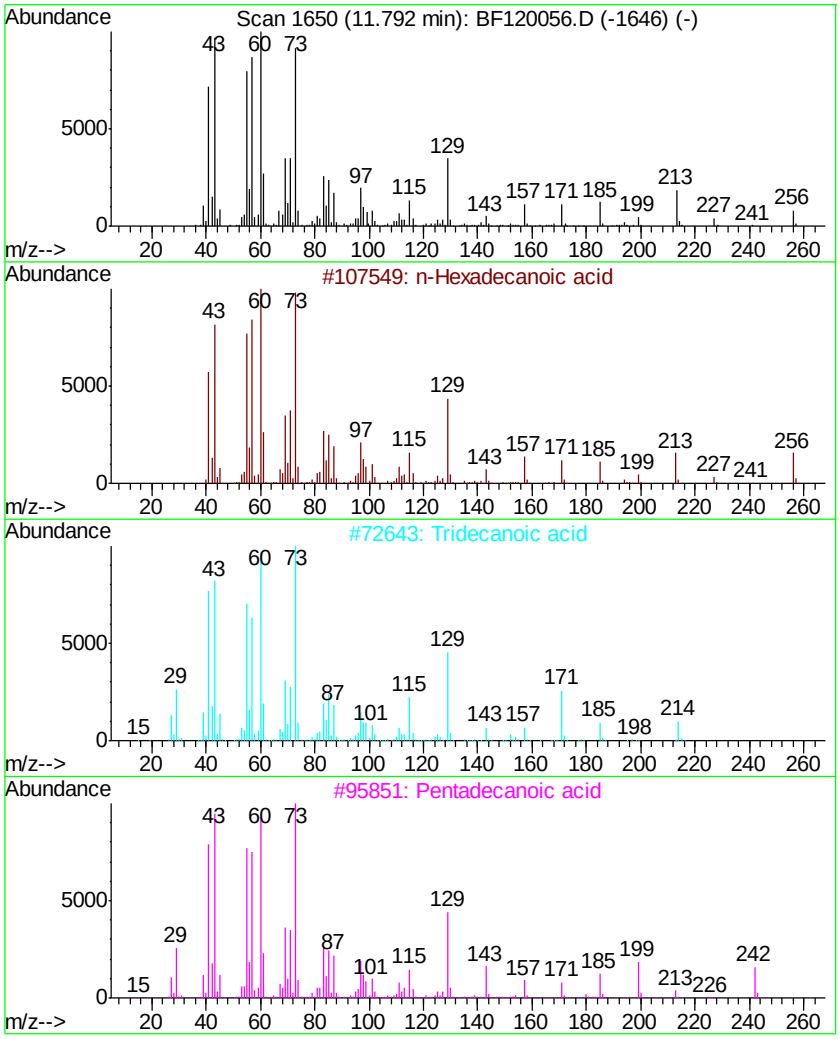
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

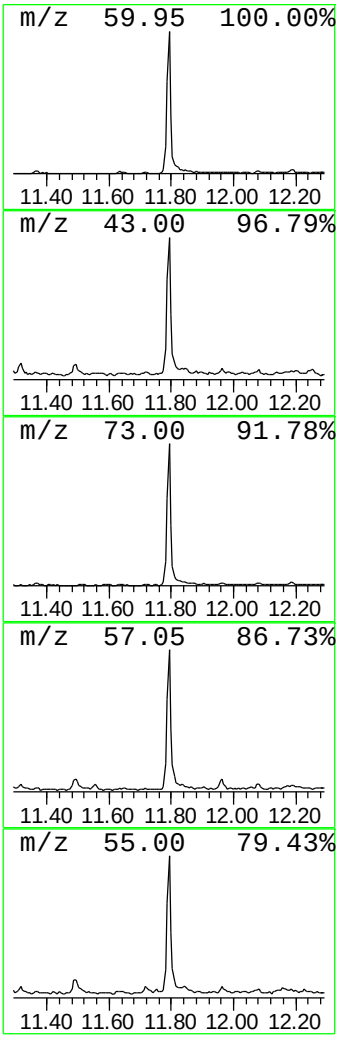
**********

Peak Number 4 n-Hexadecanoic acid Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.79 | 16.08 ng | 863657 | Phenanthrene-d10 | 11.25 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 94 |
| 2 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 93 |
| 3 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 87 |
| 4 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 80 |
| 5 | Methyl-.alpha.-d-ribofuranoside | 164 | C6H12O5 | 1000129-83-1 | 43 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041720\
Data File : BF120056.D
Acq On : 17 Apr 2020 13:53
Operator : MA/SJ
Sample : L2271-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** BG-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

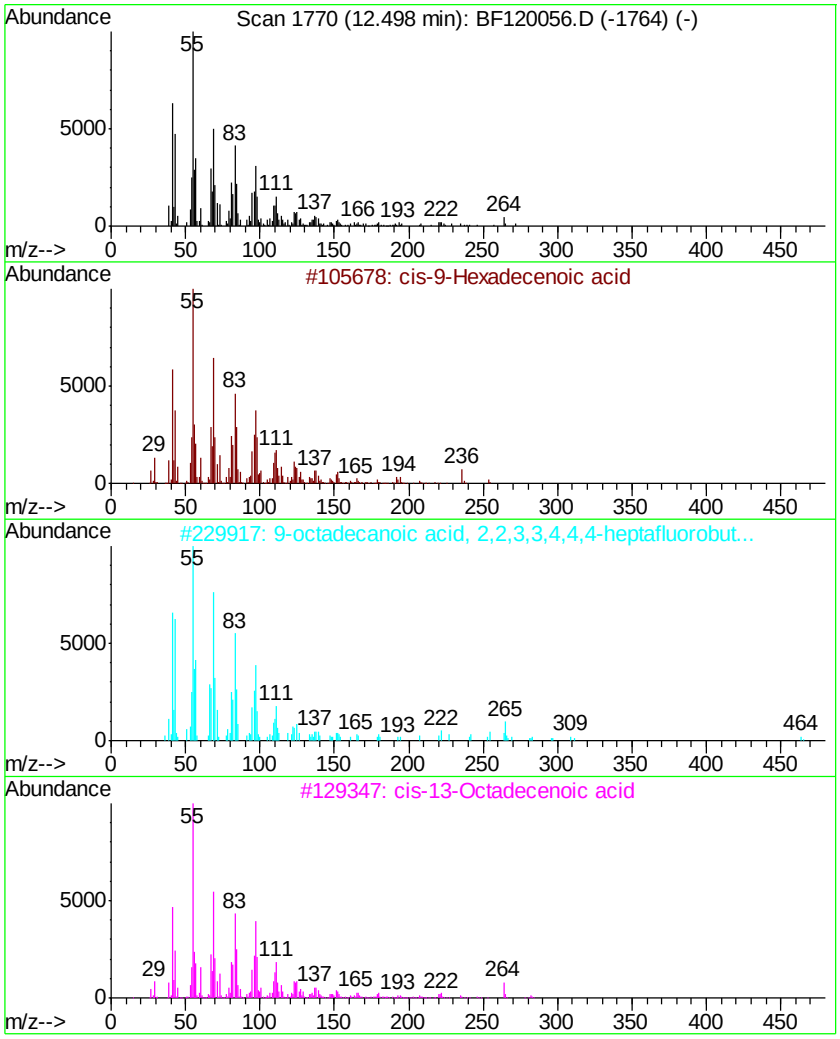
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

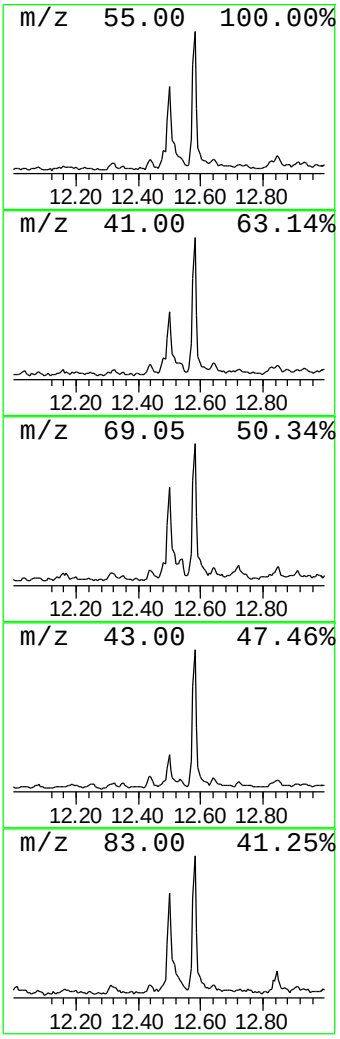
**********

Peak Number 5 cis-9-Hexadecenoic acid Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.50 | 12.06 ng | 647365 | Phenanthrene-d10 | 11.25 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | cis-9-Hexadecenoic acid | 254 | C16H30O2 | 1000333-19-5 | 91 |
| 2 | 9-octadecanoic acid, 2,2,3,3,4,4... | 464 | C22H35F7O2 | 1000376-61-4 | 91 |
| 3 | cis-13-Octadecenoic acid | 282 | C18H34O2 | 013126-39-1 | 76 |
| 4 | trans-13-Octadecenoic acid | 282 | C18H34O2 | 000693-71-0 | 76 |
| 5 | 9-Octadecenoic acid, (E)- | 282 | C18H34O2 | 000112-79-8 | 72 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041720\
Data File : BF120056.D
Acq On : 17 Apr 2020 13:53
Operator : MA/SJ
Sample : L2271-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** BG-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

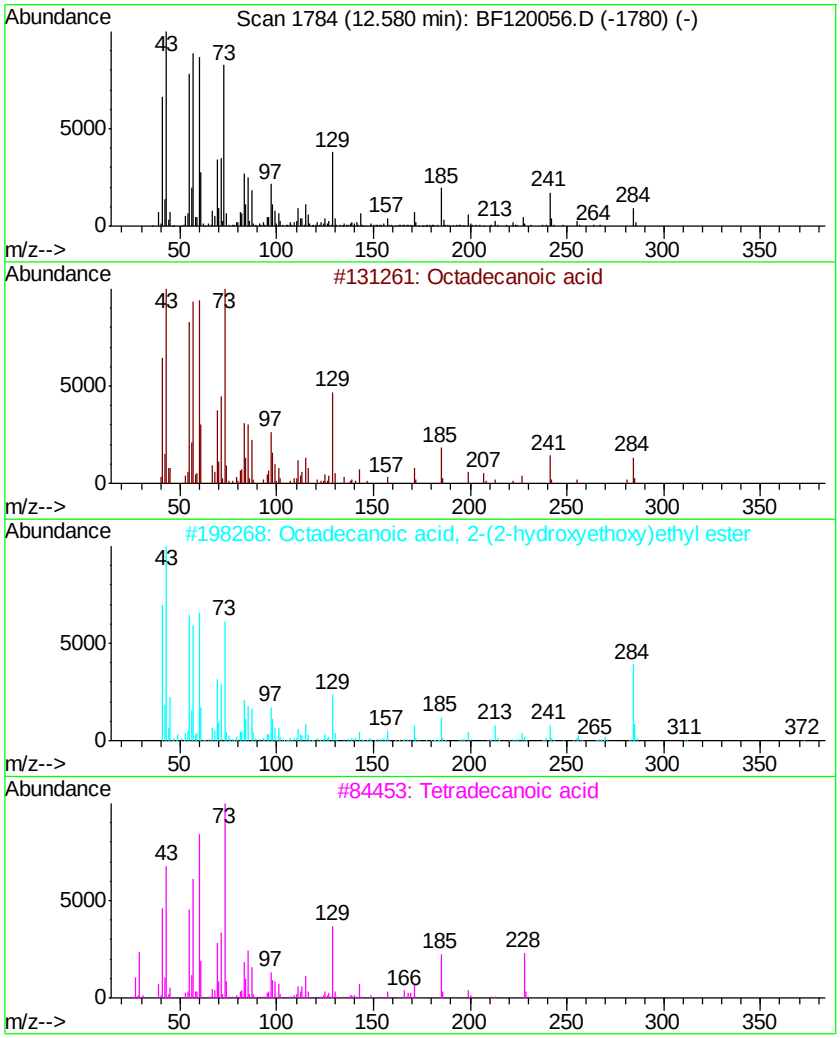
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

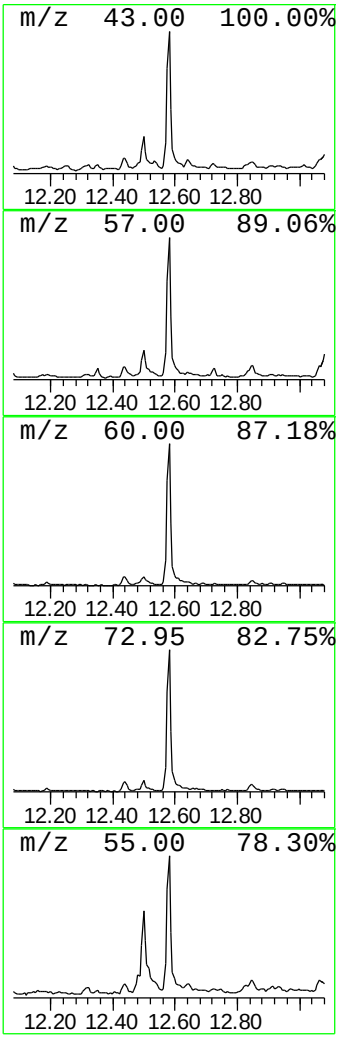
**********

Peak Number 6 Octadecanoic acid Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.58 | 17.22 ng | 1144500 | Chrysene-d12 | 13.90 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 99 |
| 2 | Octadecanoic acid, 2-(2-hydroxye... | 372 | C22H44O4 | 000106-11-6 | 72 |
| 3 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 68 |
| 4 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 58 |
| 5 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 55 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041720\
Data File : BF120056.D
Acq On : 17 Apr 2020 13:53
Operator : MA/SJ
Sample : L2271-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** BG-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

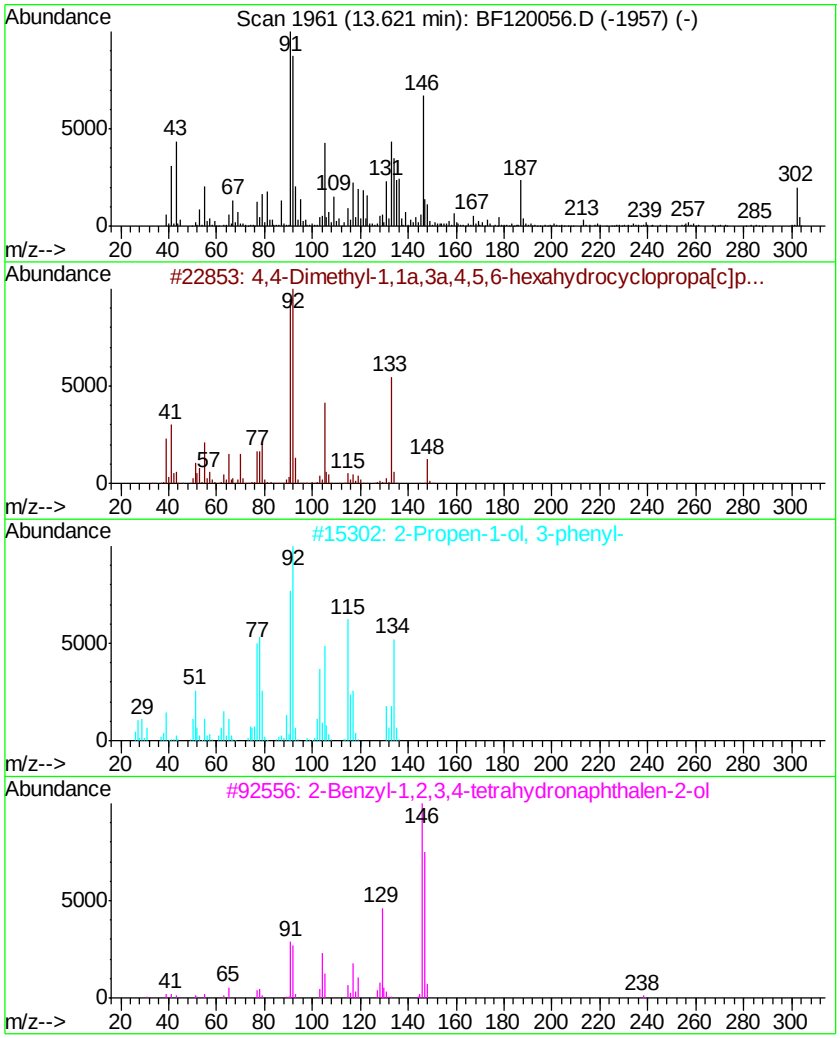
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

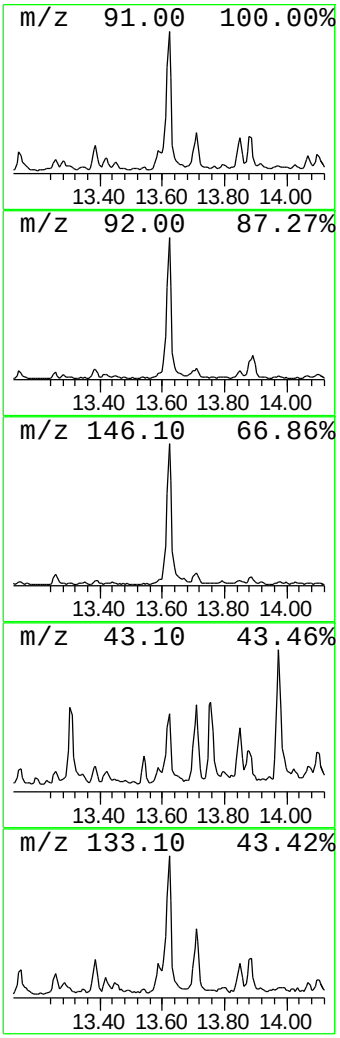
**********

Peak Number 7 unknown13.62 Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.62 | 25.41 ng | 1689110 | Chrysene-d12 | 13.90 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4,4-Dimethyl-1,1a,3a,4,5,6-hexah... | 148 | C11H16 | 264628-27-5 | 42 |
| 2 | 2-Propen-1-ol, 3-phenyl- | 134 | C9H10O | 000104-54-1 | 35 |
| 3 | 2-Benzyl-1,2,3,4-tetrahydronapht... | 238 | C17H18O | 219318-70-4 | 25 |
| 4 | Benzene, hexadecyl- | 302 | C22H38 | 001459-09-2 | 22 |
| 5 | Benzene, butyl- | 134 | C10H14 | 000104-51-8 | 22 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041720\
Data File : BF120056.D
Acq On : 17 Apr 2020 13:53
Operator : MA/SJ
Sample : L2271-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** BG-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

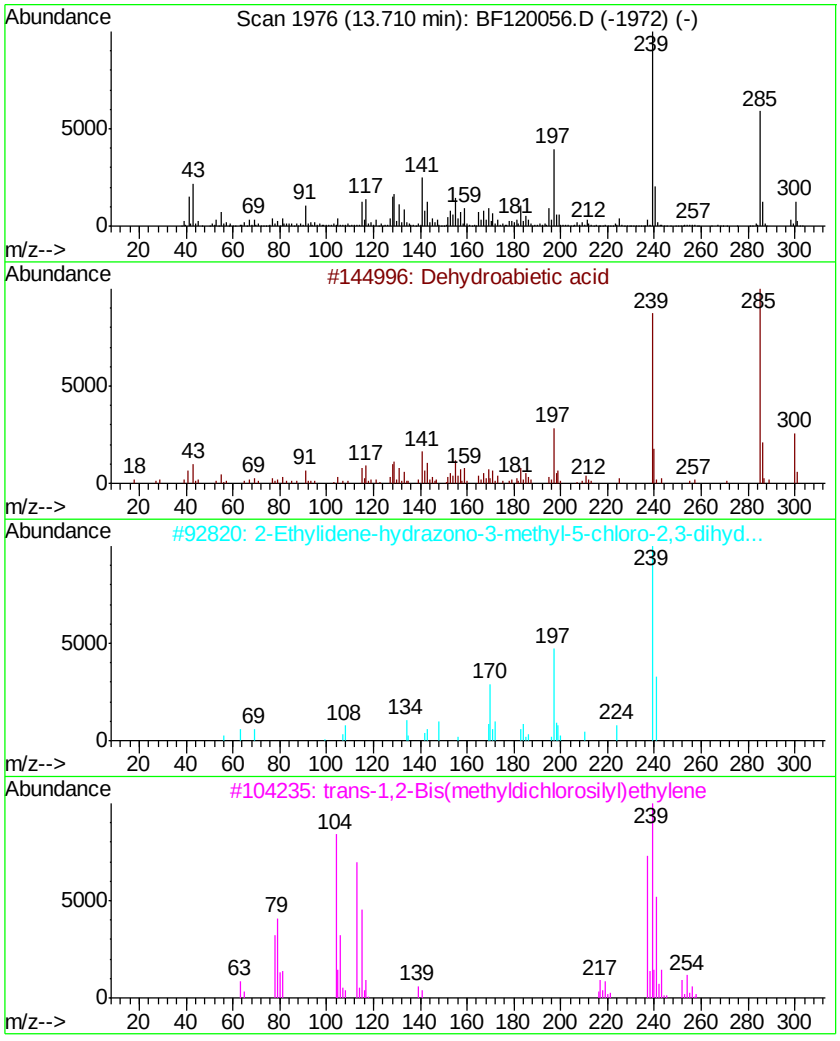
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

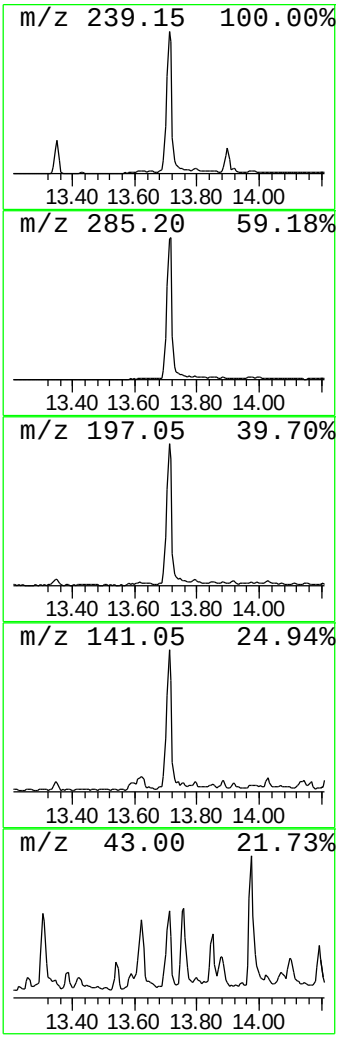
**********

Peak Number 8 Dehydroabietic acid Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.71 | 31.45 ng | 2090810 | Chrysene-d12 | 13.90 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dehydroabietic acid | 300 | C20H28O2 | 001740-19-8 | 96 |
| 2 | 2-Ethylidene-hydrazono-3-methyl-... | 239 | C10H10ClN3S | 1000148-08-4 | 43 |
| 3 | trans-1,2-Bis(methyldichlorosilv... | 252 | C4H8Cl4Si2 | 065899-10-7 | 35 |
| 4 | Indole, 3-imidazolo[2,1-b]thiazo... | 239 | C13H9N3S | 292855-05-1 | 30 |
| 5 | Dibenzo[b,f]oxepin-3-amine, 6-me... | 239 | C15H13NO2 | 1000338-08-4 | 27 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041720\
Data File : BF120056.D
Acq On : 17 Apr 2020 13:53
Operator : MA/SJ
Sample : L2271-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** BG-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

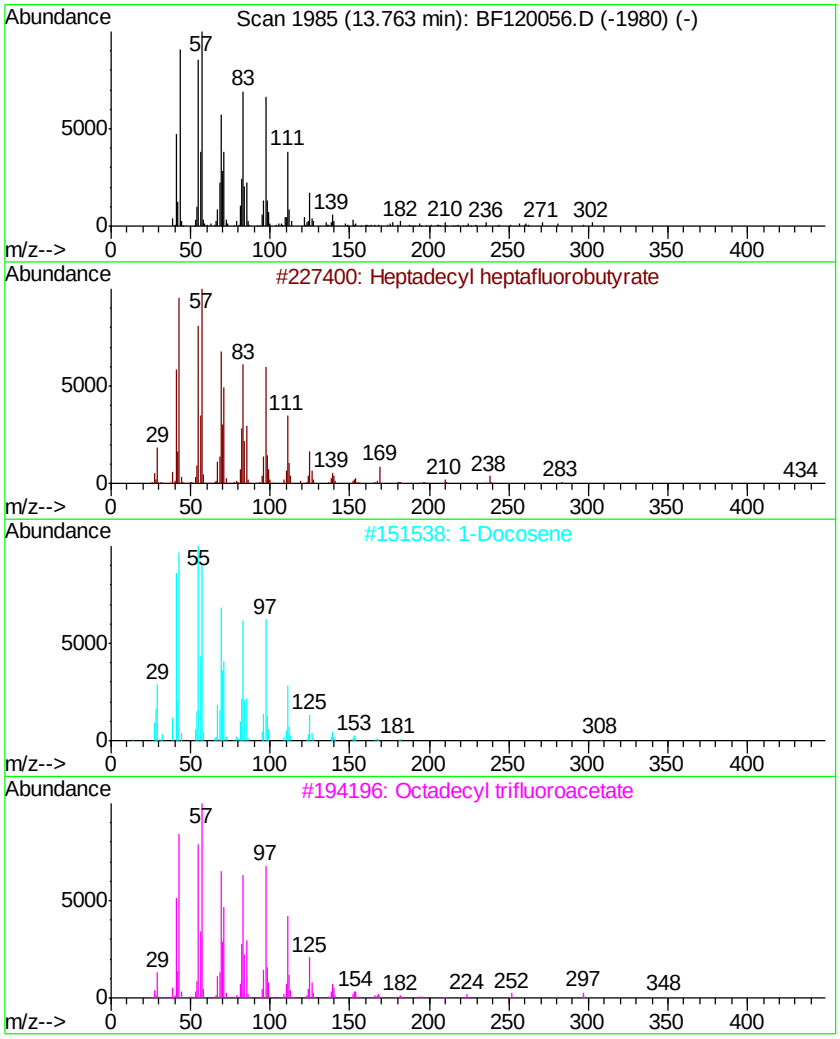
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

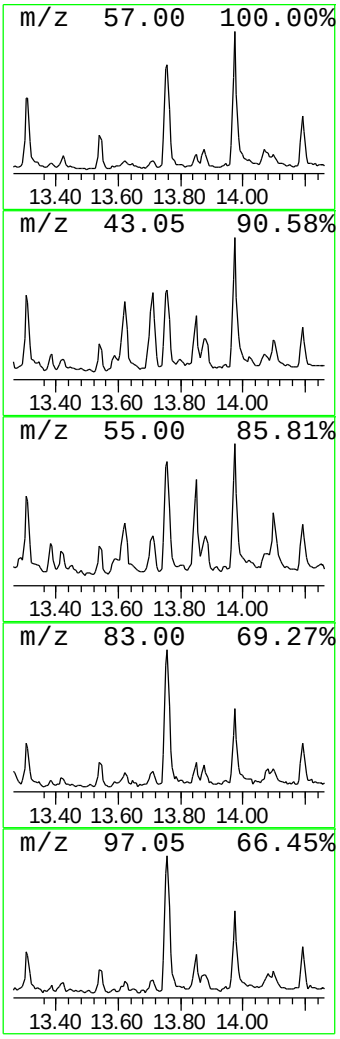
**********

Peak Number 9 Heptadecyl heptafluorobutyrate Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.76 | 9.72 ng | 645852 | Chrysene-d12 | 13.90 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptadecyl heptafluorobutyrate | 452 | C21H35F7O2 | 959085-66-6 | 91 |
| 2 | 1-Docosene | 308 | C22H44 | 001599-67-3 | 91 |
| 3 | Octadecyl trifluoroacetate | 366 | C20H37F3O2 | 079392-43-1 | 91 |
| 4 | Heptadecyl trifluoroacetate | 352 | C19H35F3O2 | 1000351-87-0 | 91 |
| 5 | 1-Hexadecanol | 242 | C16H34O | 036653-82-4 | 91 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041720\
Data File : BF120056.D
Acq On : 17 Apr 2020 13:53
Operator : MA/SJ
Sample : L2271-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** BG-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

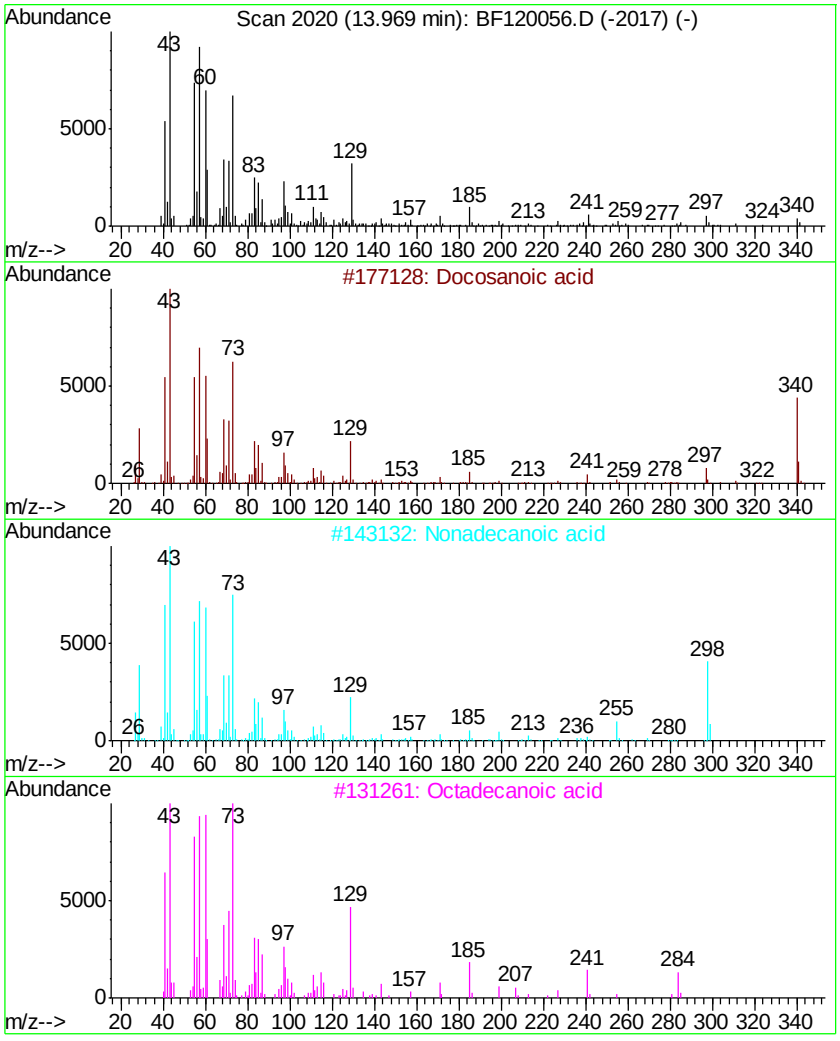
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

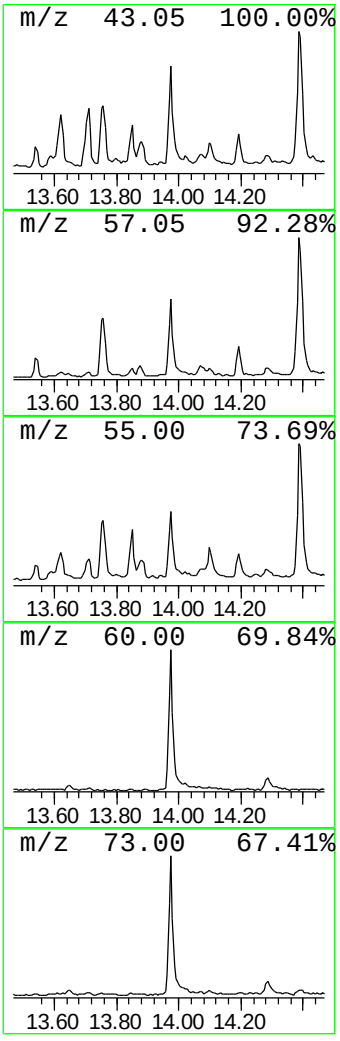
**********

Peak Number 10 Docosanoic acid Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.97 | 15.84 ng | 1053290 | Chrysene-d12 | 13.90 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Docosanoic acid | 340 | C22H44O2 | 000112-85-6 | 99 |
| 2 | Nonadecanoic acid | 298 | C19H38O2 | 000646-30-0 | 93 |
| 3 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 93 |
| 4 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 64 |
| 5 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 64 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041720\
Data File : BF120056.D
Acq On : 17 Apr 2020 13:53
Operator : MA/SJ
Sample : L2271-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** BG-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

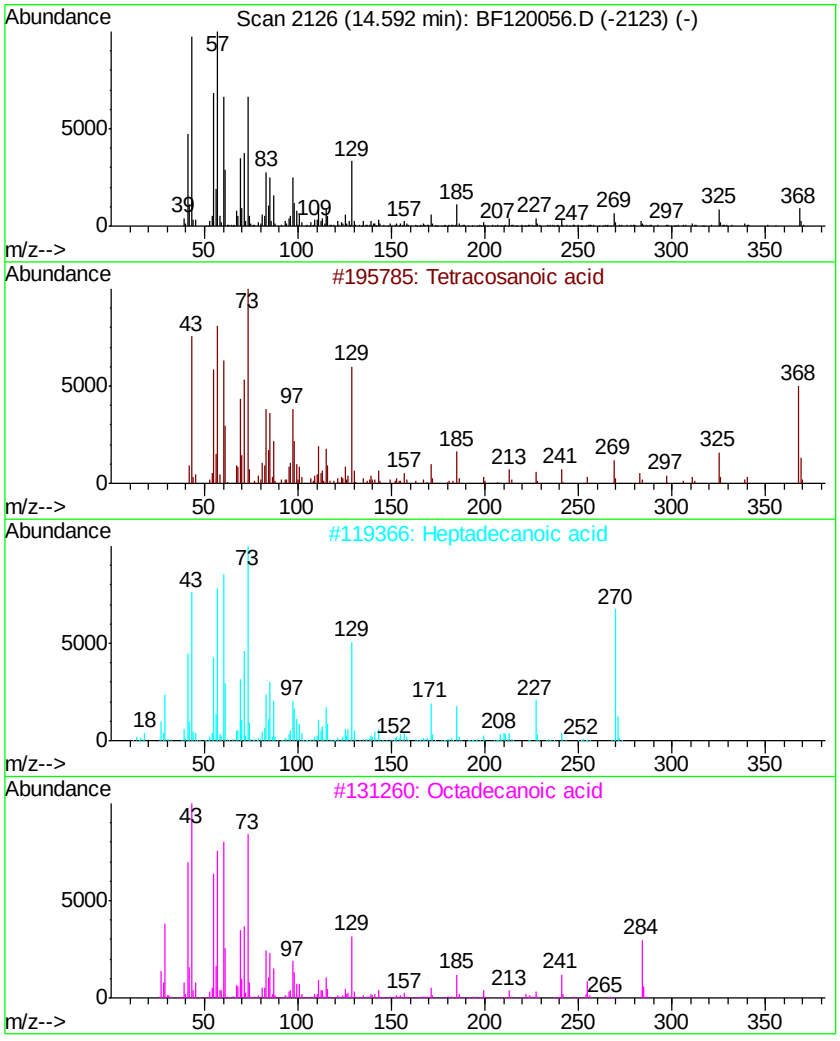
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

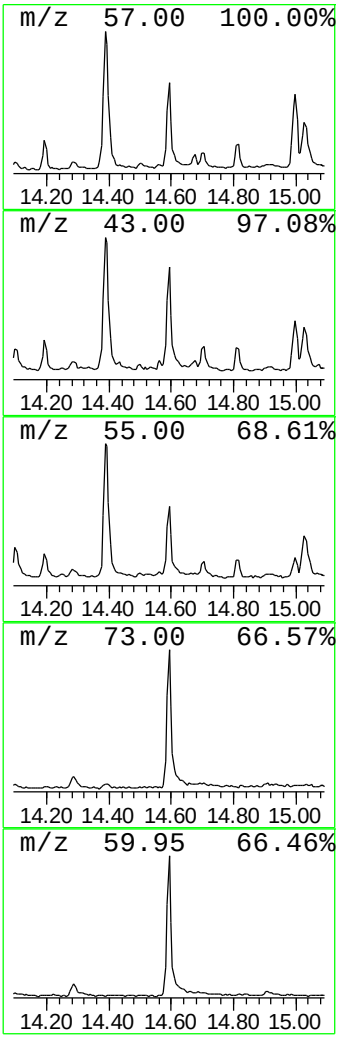
**********

Peak Number 12 Tetracosanoic acid Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.59 | 15.52 ng | 1031960 | Chrysene-d12 | 13.90 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetracosanoic acid | 368 | C24H48O2 | 000557-59-5 | 99 |
| 2 | Heptadecanoic acid | 270 | C17H34O2 | 000506-12-7 | 93 |
| 3 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 91 |
| 4 | Docosanoic acid | 340 | C22H44O2 | 000112-85-6 | 90 |
| 5 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 78 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041720\
Data File : BF120056.D
Acq On : 17 Apr 2020 13:53
Operator : MA/SJ
Sample : L2271-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** BG-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

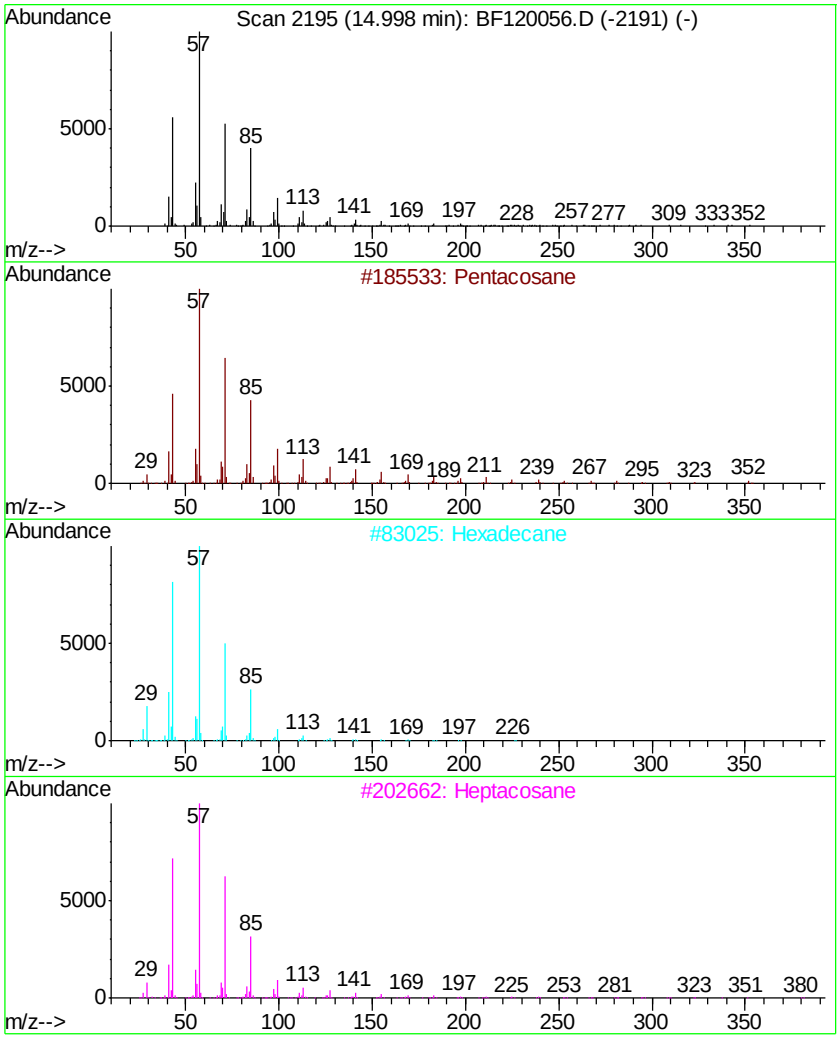
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

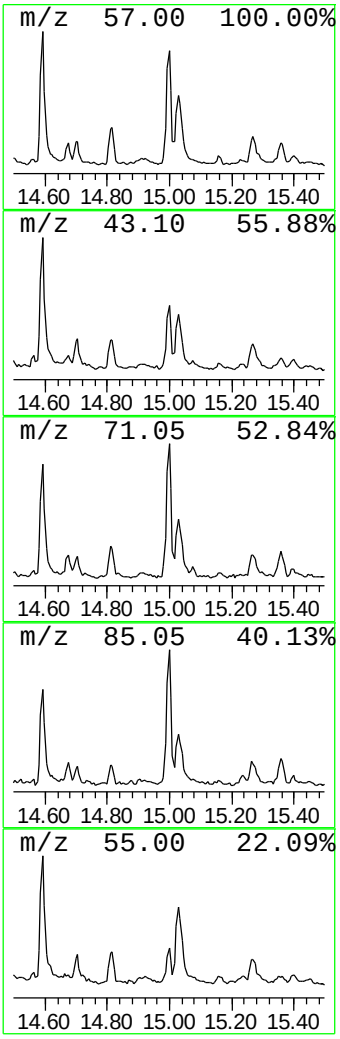
**********

Peak Number 13 Pentacosane Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.00 | 10.70 ng | 374994 | Perylene-d12 | 15.33 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentacosane | 352 | C25H52 | 000629-99-2 | 94 |
| 2 | Hexadecane | 226 | C16H34 | 000544-76-3 | 93 |
| 3 | Heptacosane | 380 | C27H56 | 000593-49-7 | 91 |
| 4 | Octacosane | 394 | C28H58 | 000630-02-4 | 91 |
| 5 | Heneicosane | 296 | C21H44 | 000629-94-7 | 90 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041720\
Data File : BF120056.D
Acq On : 17 Apr 2020 13:53
Operator : MA/SJ
Sample : L2271-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** BG-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

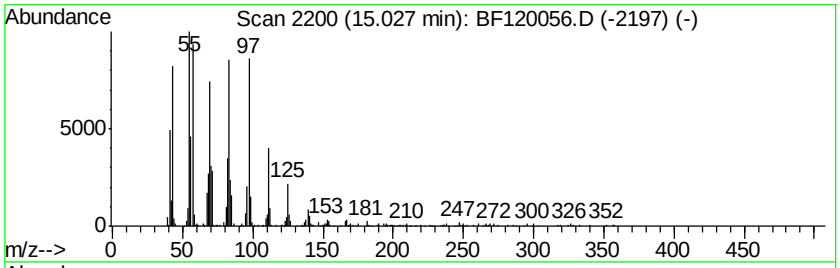
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

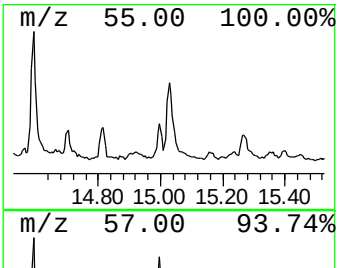
**********

Peak Number 14 1-Heptacosanol Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.03 | 15.78 ng | 553078 | Perylene-d12 | 15.33 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Heptacosanol | 396 | C27H56O | 002004-39-9 | 90 |
| 2 | 1-Nonadecene | 266 | C19H38 | 018435-45-5 | 89 |
| 3 | 17-Pentatriacontene | 491 | C35H70 | 006971-40-0 | 87 |
| 4 | n-Heptadecanol-1 | 256 | C17H36O | 001454-85-9 | 87 |
| 5 | 1-Octadecanol | 270 | C18H38O | 000112-92-5 | 76 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041720\
Data File : BF120056.D
Acq On : 17 Apr 2020 13:53
Operator : MA/SJ
Sample : L2271-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** BG-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

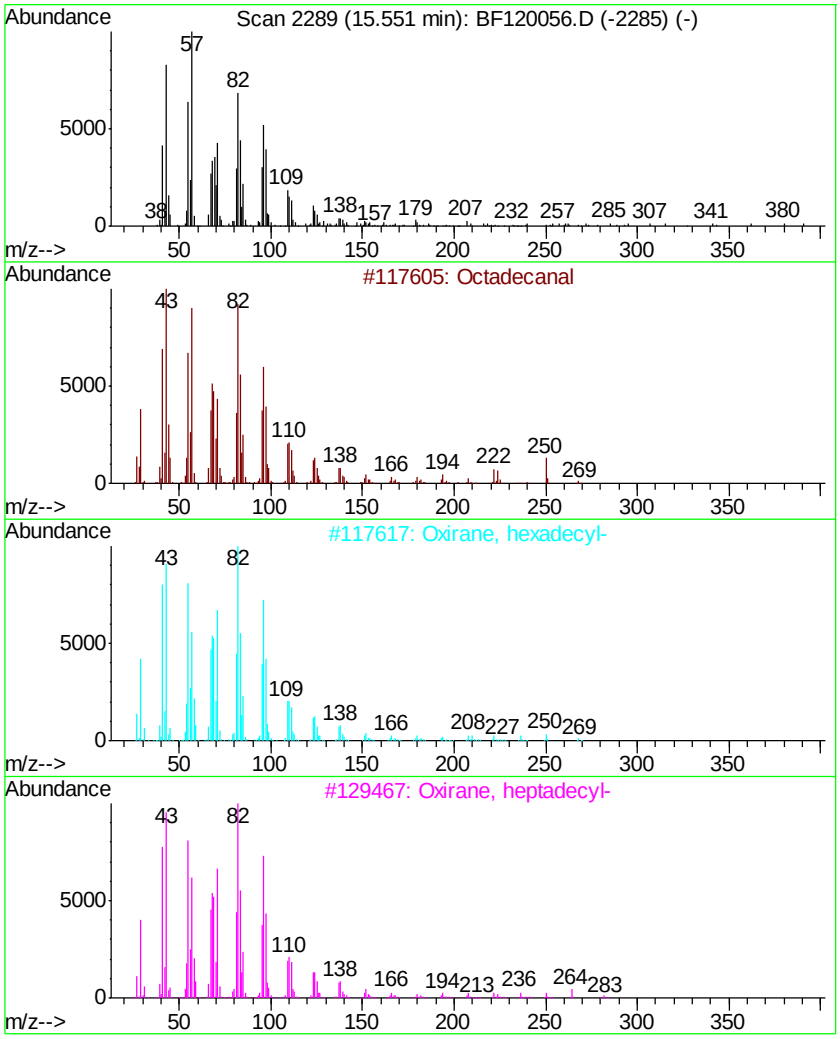
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

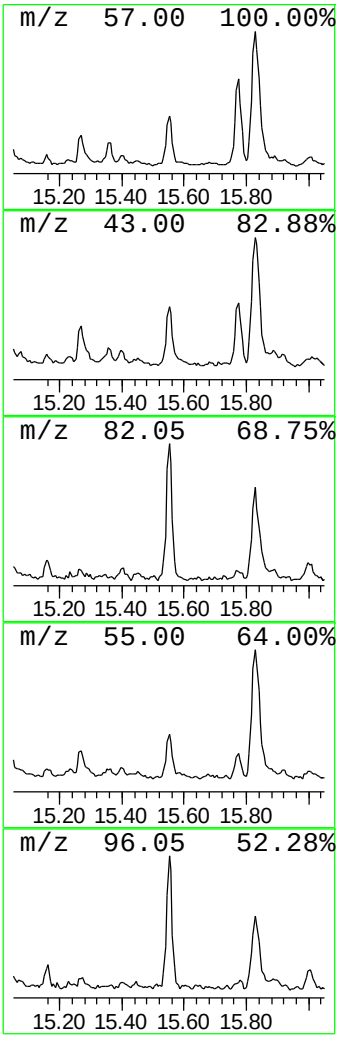
**********

Peak Number 15 Octadecanal Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.55 | 12.61 ng | 441934 | Perylene-d12 | 15.33 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecanal | 268 | C18H36O | 000638-66-4 | 97 |
| 2 | Oxirane, hexadecyl- | 268 | C18H36O | 007390-81-0 | 93 |
| 3 | Oxirane, heptadecyl- | 282 | C19H38O | 067860-04-2 | 83 |
| 4 | 1,19-Eicosadiene | 278 | C20H38 | 014811-95-1 | 83 |
| 5 | Hexadecanal | 240 | C16H32O | 000629-80-1 | 62 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041720\
Data File : BF120056.D
Acq On : 17 Apr 2020 13:53
Operator : MA/SJ
Sample : L2271-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** BG-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

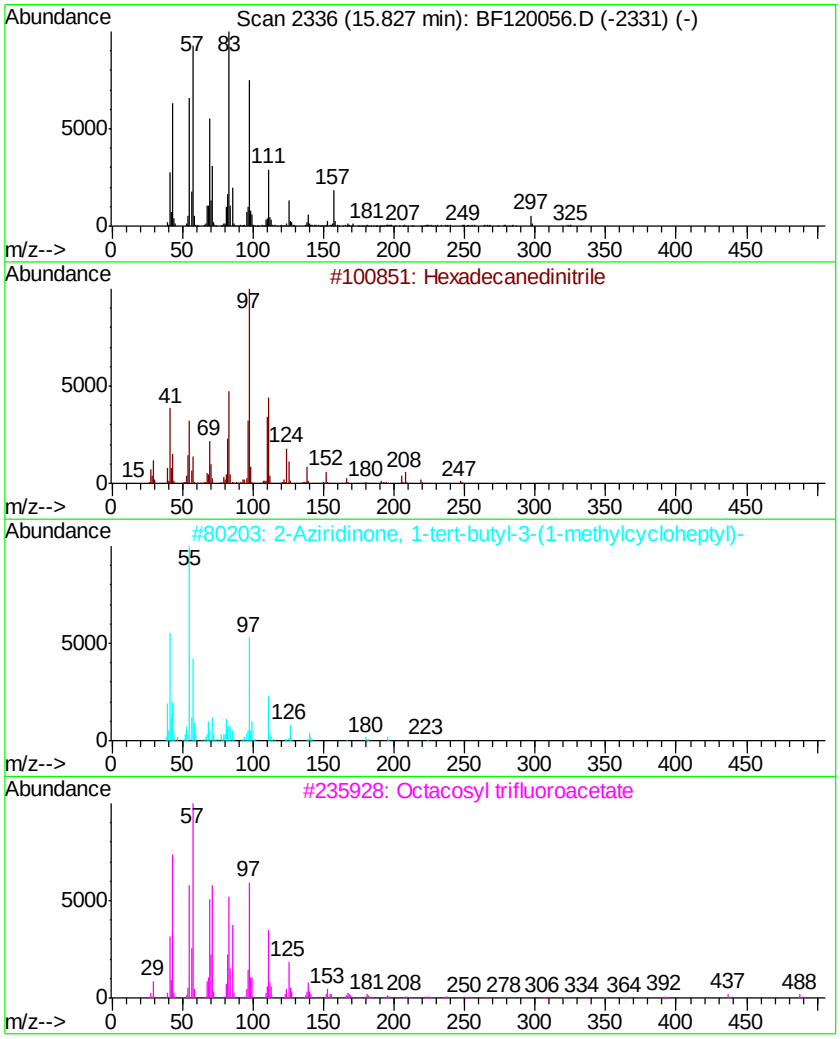
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

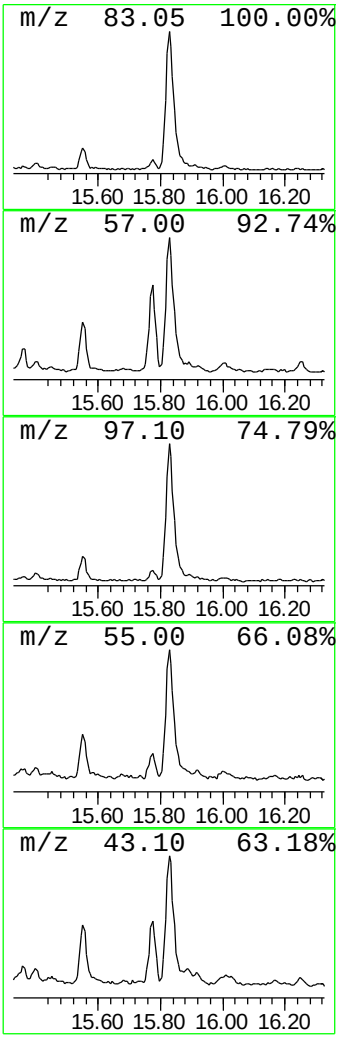
**********

Peak Number 16 unknown15.83 Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.83 | 40.21 ng | 1409130 | Perylene-d12 | 15.33 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecanedinitrile | 248 | C16H28N2 | 006812-44-8 | 43 |
| 2 | 2-Aziridinone, 1-tert-butyl-3-(1... | 223 | C14H25NO | 026944-18-3 | 43 |
| 3 | Octacosyl trifluoroacetate | 506 | C30H57F3O2 | 1000351-74-9 | 41 |
| 4 | 1-Hentetracontanol | 593 | C41H84O | 040710-42-7 | 38 |
| 5 | Tricosyl heptafluorobutyrate | 536 | C27H47F7O2 | 1000351-83-4 | 38 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041720\
Data File : BF120056.D
Acq On : 17 Apr 2020 13:53
Operator : MA/SJ
Sample : L2271-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** BG-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

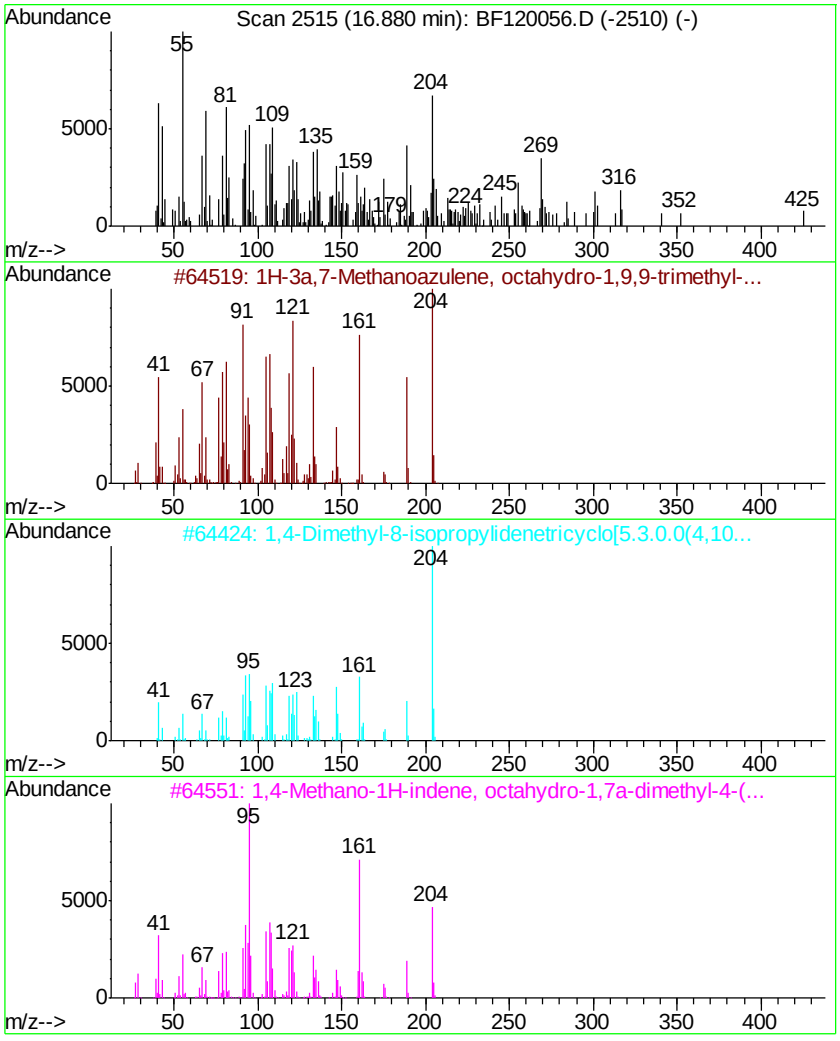
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

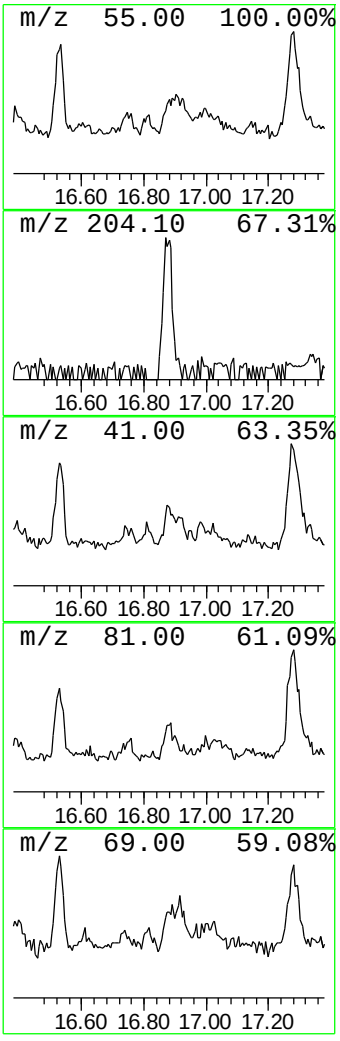
**********

Peak Number 17 1H-3a,7-Methanoazulene, oct... Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.88 | 11.17 ng | 391297 | Perylene-d12 | 15.33 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-3a,7-Methanoazulene, octahydr... | 204 | C15H24 | 000508-55-4 | 78 |
| 2 | 1,4-Dimethyl-8-isopropylidenetri... | 204 | C15H24 | 1000140-07-7 | 78 |
| 3 | 1,4-Methano-1H-indene, octahydro... | 204 | C15H24 | 087064-18-4 | 64 |
| 4 | 1,4-Methanoazulen-9-ol, decahydr... | 222 | C15H26O | 000465-24-7 | 60 |
| 5 | Ledol | 222 | C15H26O | 000577-27-5 | 58 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041720\
Data File : BF120056.D
Acq On : 17 Apr 2020 13:53
Operator : MA/SJ
Sample : L2271-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** BG-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

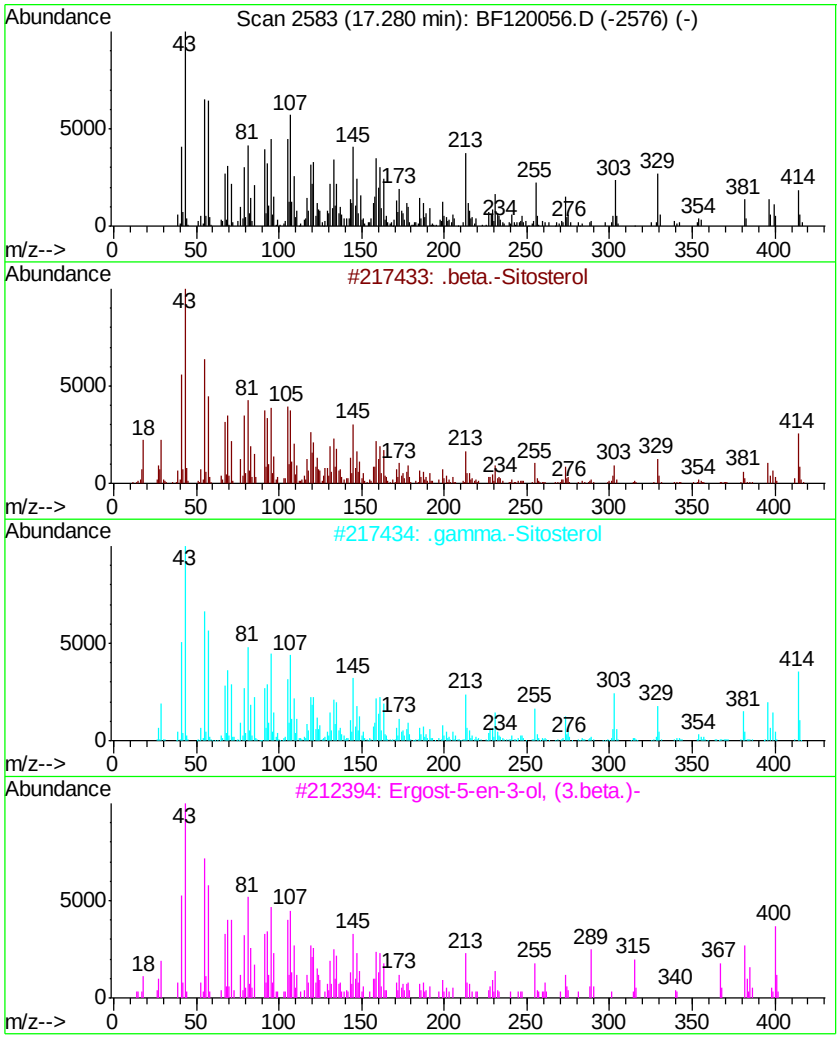
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

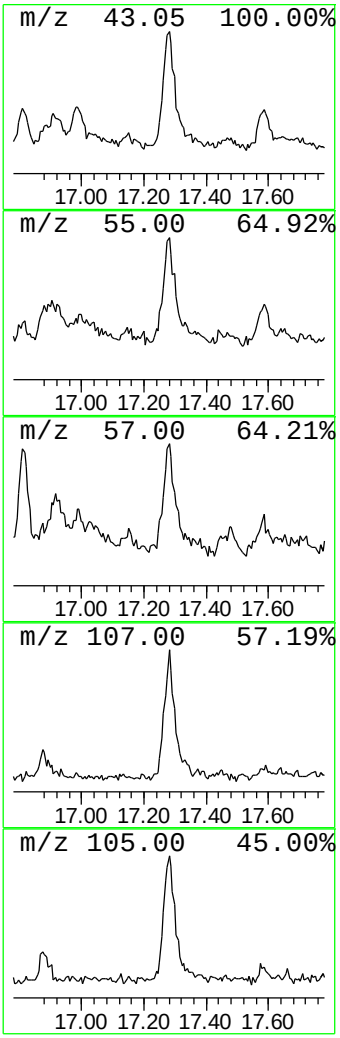
**********

Peak Number 18 .beta.-Sitosterol Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.28 | 31.86 ng | 1116410 | Perylene-d12 | 15.33 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | .beta.-Sitosterol | 414 | C29H50O | 000083-46-5 | 99 |
| 2 | .gamma.-Sitosterol | 414 | C29H50O | 000083-47-6 | 99 |
| 3 | Ergost-5-en-3-ol, (3.beta.)- | 400 | C28H48O | 004651-51-8 | 49 |
| 4 | Isocholesteryl methyl ether | 400 | C28H48O | 029944-53-4 | 47 |
| 5 | Campesterol | 400 | C28H48O | 000474-62-4 | 46 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041720\
Data File : BF120056.D
Acq On : 17 Apr 2020 13:53
Operator : MA/SJ
Sample : L2271-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** BG-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

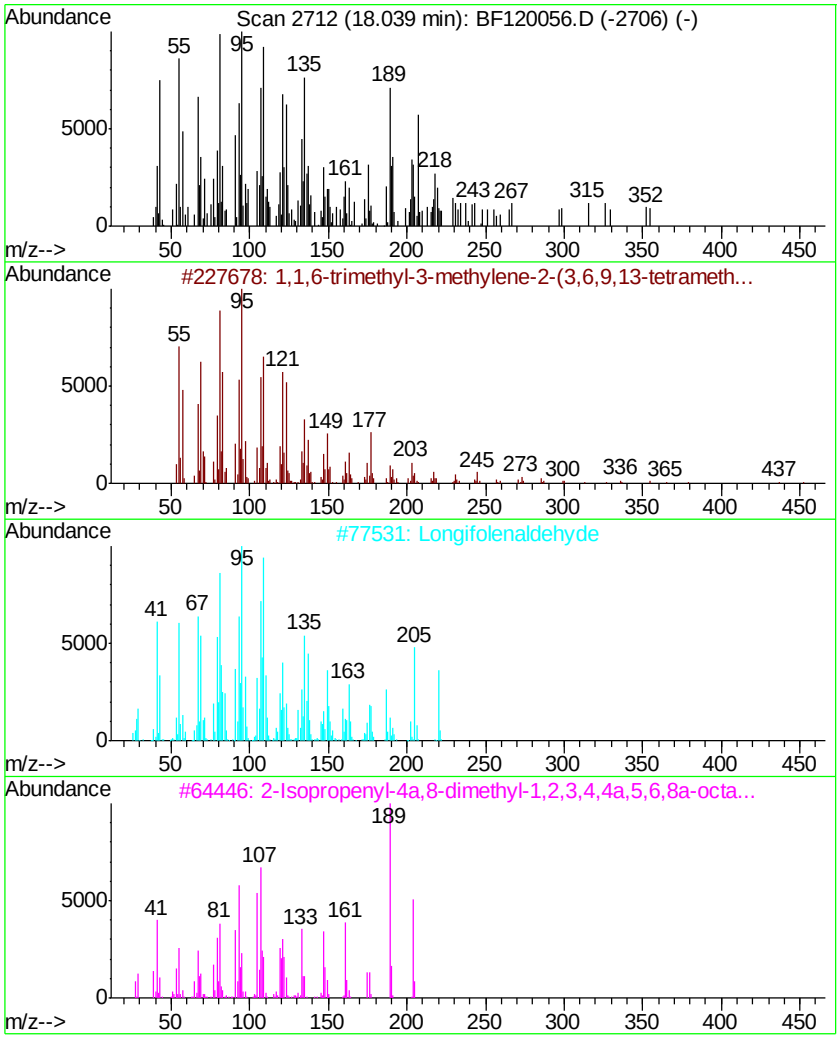
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

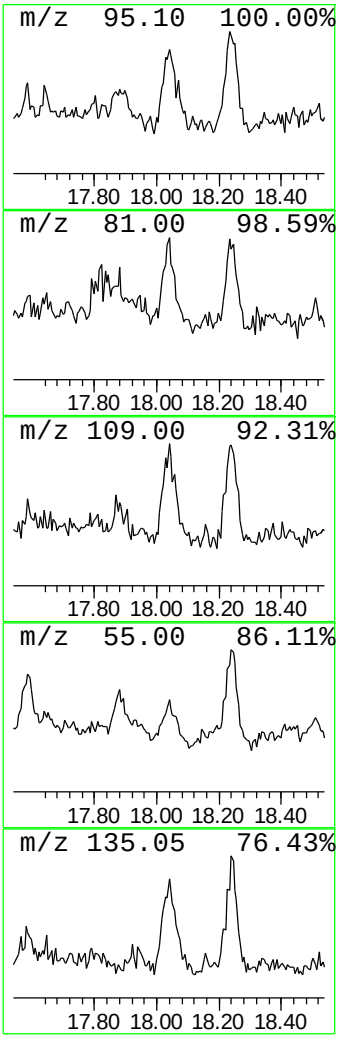
**********

Peak Number 19 1,1,6-trimethyl-3-methylene... Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.04 | 9.92 ng | 347647 | Perylene-d12 | 15.33 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1,6-trimethyl-3-methylene-2-(3... | 452 | C33H56 | 1000373-94-5 | 52 |
| 2 | Longifolenaldehyde | 220 | C15H24O | 019890-84-7 | 46 |
| 3 | 2-Isopropenyl-4a,8-dimethyl-1,2,... | 204 | C15H24 | 1000193-57-0 | 40 |
| 4 | Epiglobulol | 222 | C15H26O | 1000150-05-1 | 38 |
| 5 | 2(1H)-Naphthalenone, 4a,5,6,7,8,... | 234 | C15H22O2 | 109897-57-6 | 35 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041720\
Data File : BF120056.D
Acq On : 17 Apr 2020 13:53
Operator : MA/SJ
Sample : L2271-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** BG-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

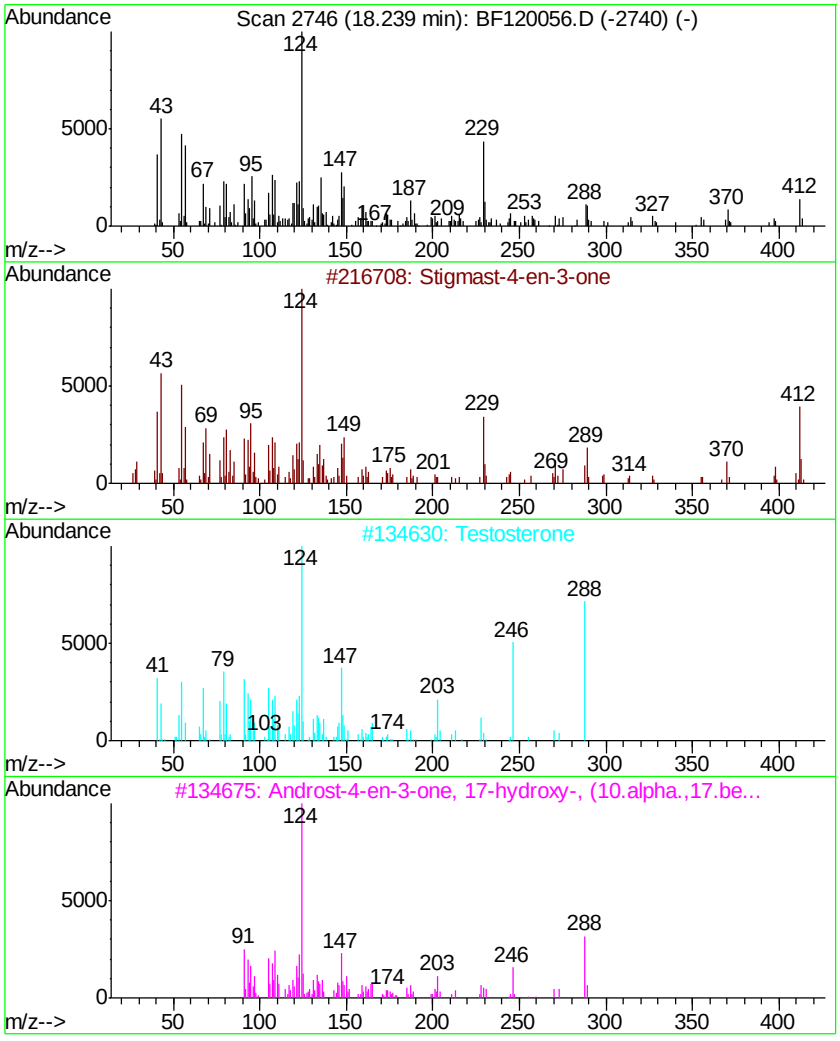
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

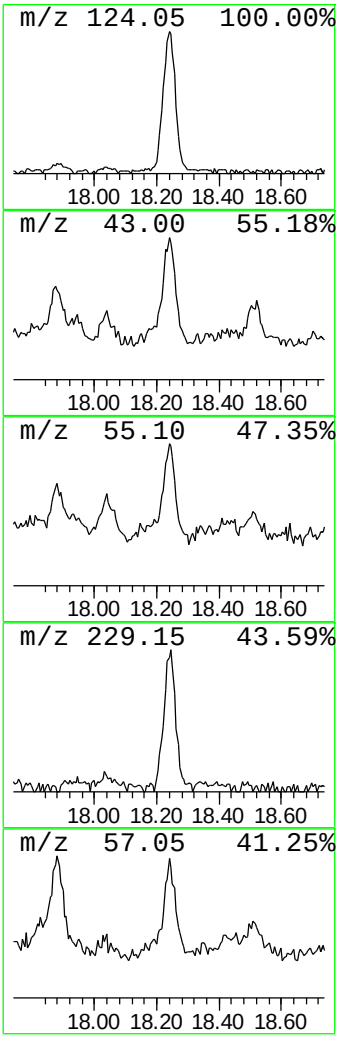
**********

Peak Number 20 Stigmast-4-en-3-one Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.24 | 16.79 ng | 588350 | Perylene-d12 | 15.33 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Stigmast-4-en-3-one | 412 | C29H48O | 001058-61-3 | 91 |
| 2 | Testosterone | 288 | C19H28O2 | 000058-22-0 | 46 |
| 3 | Androst-4-en-3-one, 17-hydroxy-,... | 288 | C19H28O2 | 000604-39-7 | 46 |
| 4 | Androst-4-en-3-one, 17-hydroxy-,... | 288 | C19H28O2 | 000481-30-1 | 35 |
| 5 | Testosterone cypionate | 412 | C27H40O3 | 000058-20-8 | 30 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041720\
Data File : BF120056.D
Acq On : 17 Apr 2020 13:53
Operator : MA/SJ
Sample : L2271-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** BG-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Bicyclo[3.1.1]hep... | 6.00 | 45.3 | ng | 2427180 | 1 | 6.73 | 1070970 | 20.0 |
| .beta.-Pinene | 6.42 | 17.0 | ng | 909729 | 1 | 6.73 | 1070970 | 20.0 |
| n-Hexadecanoic acid | 11.79 | 16.1 | ng | 863657 | 4 | 11.25 | 1073990 | 20.0 |
| cis-9-Hexadecenoi... | 12.50 | 12.1 | ng | 647365 | 4 | 11.25 | 1073990 | 20.0 |
| Octadecanoic acid | 12.58 | 17.2 | ng | 1144500 | 5 | 13.90 | 1329540 | 20.0 |
| unknown13.62 | 13.62 | 25.4 | ng | 1689110 | 5 | 13.90 | 1329540 | 20.0 |
| Dehydroabietic acid | 13.71 | 31.4 | ng | 2090810 | 5 | 13.90 | 1329540 | 20.0 |
| Heptadecyl heptaf... | 13.76 | 9.7 | ng | 645852 | 5 | 13.90 | 1329540 | 20.0 |
| Docosanoic acid | 13.97 | 15.8 | ng | 1053290 | 5 | 13.90 | 1329540 | 20.0 |
| Tetracosanoic acid | 14.59 | 15.5 | ng | 1031960 | 5 | 13.90 | 1329540 | 20.0 |
| Pentacosane | 15.00 | 10.7 | ng | 374994 | 6 | 15.33 | 700825 | 20.0 |
| 1-Heptacosanol | 15.03 | 15.8 | ng | 553078 | 6 | 15.33 | 700825 | 20.0 |
| Octadecanal | 15.55 | 12.6 | ng | 441934 | 6 | 15.33 | 700825 | 20.0 |
| unknown15.83 | 15.83 | 40.2 | ng | 1409130 | 6 | 15.33 | 700825 | 20.0 |
| 1H-3a,7-Methanoaz... | 16.88 | 11.2 | ng | 391297 | 6 | 15.33 | 700825 | 20.0 |
| .beta.-Sitosterol | 17.28 | 31.9 | ng | 1116410 | 6 | 15.33 | 700825 | 20.0 |
| 1,1,6-trimethyl-3... | 18.04 | 9.9 | ng | 347647 | 6 | 15.33 | 700825 | 20.0 |
| Stigmast-4-en-3-one | 18.24 | 16.8 | ng | 588350 | 6 | 15.33 | 700825 | 20.0 |