LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052920\
Data File : BM026189.D
Acq On : 30 May 2020 01:58
Operator : MA/SJ
Sample : L2820-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** CB644

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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_M\METHODS\SOM-EPA-BM051320MA.M
Title : SVOA CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.410 | 71 | 89 | 94 | rBV | 301133 | 936796 | 6.53% | 0.848% |
| 2 | 3.810 | 130 | 157 | 166 | rBV | 549646 | 2685642 | 18.73% | 2.432% |
| 3 | 4.181 | 215 | 220 | 230 | rVB | 55964 | 93849 | 0.65% | 0.085% |
| 4 | 4.475 | 257 | 270 | 281 | rBV | 212057 | 485595 | 3.39% | 0.440% |
| 5 | 4.616 | 283 | 294 | 300 | rVV | 155481 | 319391 | 2.23% | 0.289% |
| 6 | 5.122 | 359 | 380 | 394 | rBV | 385514 | 1522857 | 10.62% | 1.379% |
| 7 | 5.375 | 418 | 423 | 428 | rBV | 89923 | 132853 | 0.93% | 0.120% |
| 8 | 5.934 | 511 | 518 | 524 | rBV2 | 36011 | 82230 | 0.57% | 0.074% |
| 9 | 6.087 | 531 | 544 | 550 | rVB | 186772 | 455721 | 3.18% | 0.413% |
| 10 | 6.181 | 555 | 560 | 566 | rVV | 171207 | 250726 | 1.75% | 0.227% |
| 11 | 6.481 | 607 | 611 | 616 | rVV | 62587 | 93433 | 0.65% | 0.085% |
| 12 | 6.698 | 616 | 648 | 663 | rVV3 | 995469 | 4883457 | 34.05% | 4.421% |
| 13 | 6.822 | 663 | 669 | 675 | rVV | 234641 | 375848 | 2.62% | 0.340% |
| 14 | 6.887 | 675 | 680 | 684 | rVV | 92177 | 148795 | 1.04% | 0.135% |
| 15 | 7.016 | 696 | 702 | 706 | rVV | 281951 | 440027 | 3.07% | 0.398% |
| 16 | 7.063 | 706 | 710 | 715 | rVB | 81246 | 115710 | 0.81% | 0.105% |
| 17 | 7.475 | 773 | 780 | 788 | rBV2 | 599049 | 973630 | 6.79% | 0.882% |
| 18 | 7.563 | 788 | 795 | 798 | rVV4 | 39876 | 75974 | 0.53% | 0.069% |
| 19 | 7.616 | 798 | 804 | 814 | rVB | 983823 | 1419483 | 9.90% | 1.285% |
| 20 | 7.716 | 814 | 821 | 827 | rBV5 | 47296 | 121025 | 0.84% | 0.110% |
| 21 | 7.781 | 827 | 832 | 838 | rVV4 | 45046 | 82909 | 0.58% | 0.075% |
| 22 | 8.022 | 867 | 873 | 881 | rBV | 243897 | 394537 | 2.75% | 0.357% |
| 23 | 8.175 | 881 | 899 | 901 | rBV | 653801 | 2115546 | 14.75% | 1.915% |
| 24 | 8.263 | 906 | 914 | 928 | rVV | 8013255 | 13244744 | 92.35% | 11.992% |
| 25 | 8.457 | 938 | 947 | 956 | rVB2 | 79482 | 174253 | 1.22% | 0.158% |
| 26 | 8.616 | 969 | 974 | 984 | rVV | 286716 | 494221 | 3.45% | 0.447% |
| 27 | 8.710 | 984 | 990 | 996 | rVB | 909352 | 1352386 | 9.43% | 1.224% |
| 28 | 9.098 | 1049 | 1056 | 1063 | rBV4 | 51670 | 114591 | 0.80% | 0.104% |
| 29 | 9.175 | 1063 | 1069 | 1076 | rBV2 | 42507 | 91443 | 0.64% | 0.083% |
| 30 | 9.333 | 1089 | 1096 | 1102 | rBV2 | 245414 | 447156 | 3.12% | 0.405% |
| 31 | 9.569 | 1130 | 1136 | 1137 | rBV5 | 67188 | 88534 | 0.62% | 0.080% |
| 32 | 9.628 | 1137 | 1146 | 1148 | rBV | 771542 | 1411022 | 9.84% | 1.278% |
| 33 | 9.663 | 1148 | 1152 | 1157 | rBV | 1564917 | 2491247 | 17.37% | 2.256% |
| 34 | 9.792 | 1169 | 1174 | 1180 | rVB3 | 160253 | 316500 | 2.21% | 0.287% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052920\
Data File : BM026189.D
Acq On : 30 May 2020 01:58
Operator : MA/SJ
Sample : L2820-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** CB644

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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_M\METHODS\SOM-EPA-BM051320MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 9.875 | 1180 | 1188 | 1197 | rVB2 | 449104 | 828078 | 5.77% | 0.750% |
| 36 | 10.022 | 1208 | 1213 | 1220 | rBV | 107481 | 204218 | 1.42% | 0.185% |
| 37 | 10.116 | 1222 | 1229 | 1242 | rVV | 453534 | 767488 | 5.35% | 0.695% |
| 38 | 10.233 | 1242 | 1249 | 1255 | rVV | 817124 | 1381393 | 9.63% | 1.251% |
| 39 | 10.310 | 1256 | 1262 | 1267 | rVV | 1133217 | 1801466 | 12.56% | 1.631% |
| 40 | 10.380 | 1267 | 1274 | 1283 | rVV | 339006 | 742157 | 5.17% | 0.672% |
| 41 | 10.598 | 1306 | 1311 | 1317 | rVV | 224547 | 374016 | 2.61% | 0.339% |
| 42 | 10.675 | 1320 | 1324 | 1334 | rVB3 | 66545 | 136295 | 0.95% | 0.123% |
| 43 | 10.833 | 1339 | 1351 | 1360 | rBV | 179246 | 520372 | 3.63% | 0.471% |
| 44 | 10.986 | 1372 | 1377 | 1384 | rBV3 | 51014 | 111577 | 0.78% | 0.101% |
| 45 | 11.086 | 1388 | 1394 | 1395 | rVV | 508923 | 784221 | 5.47% | 0.710% |
| 46 | 11.222 | 1396 | 1417 | 1436 | rVB2 | 2998502 | 14341528 | 100.00% | 12.985% |
| 47 | 11.604 | 1479 | 1482 | 1487 | rVB | 73894 | 106920 | 0.75% | 0.097% |
| 48 | 11.745 | 1502 | 1506 | 1514 | rVB | 130892 | 230218 | 1.61% | 0.208% |
| 49 | 12.004 | 1541 | 1550 | 1558 | rBV | 346610 | 600356 | 4.19% | 0.544% |
| 50 | 12.204 | 1562 | 1584 | 1592 | rVV | 2965050 | 11157739 | 77.80% | 10.102% |
| 51 | 12.286 | 1592 | 1598 | 1607 | rVV7 | 120143 | 342515 | 2.39% | 0.310% |
| 52 | 12.369 | 1608 | 1612 | 1618 | rVV8 | 35018 | 78733 | 0.55% | 0.071% |
| 53 | 12.469 | 1621 | 1629 | 1639 | rVV | 994924 | 1731536 | 12.07% | 1.568% |
| 54 | 12.580 | 1641 | 1648 | 1654 | rVB | 2362800 | 3413866 | 23.80% | 3.091% |
| 55 | 12.839 | 1688 | 1692 | 1701 | rVB4 | 65691 | 119860 | 0.84% | 0.109% |
| 56 | 12.969 | 1708 | 1714 | 1724 | rVB | 1144600 | 1633409 | 11.39% | 1.479% |
| 57 | 13.157 | 1741 | 1746 | 1756 | rVB4 | 152602 | 327220 | 2.28% | 0.296% |
| 58 | 13.274 | 1762 | 1766 | 1773 | rBV6 | 50975 | 93754 | 0.65% | 0.085% |
| 59 | 13.357 | 1775 | 1780 | 1788 | rVB2 | 137936 | 245789 | 1.71% | 0.223% |
| 60 | 13.545 | 1807 | 1812 | 1816 | rBV | 702470 | 933099 | 6.51% | 0.845% |
| 61 | 13.592 | 1816 | 1820 | 1830 | rVB | 830247 | 1195658 | 8.34% | 1.083% |
| 62 | 13.804 | 1851 | 1856 | 1861 | rBV | 719711 | 1106815 | 7.72% | 1.002% |
| 63 | 13.845 | 1861 | 1863 | 1875 | rVB2 | 80775 | 151190 | 1.05% | 0.137% |
| 64 | 13.957 | 1875 | 1882 | 1893 | rBV | 886757 | 1478275 | 10.31% | 1.338% |
| 65 | 14.057 | 1895 | 1899 | 1902 | rBV3 | 56182 | 80819 | 0.56% | 0.073% |
| 66 | 14.121 | 1904 | 1910 | 1917 | rVV | 1669728 | 2478504 | 17.28% | 2.244% |
| 67 | 14.180 | 1917 | 1920 | 1926 | rVB | 61918 | 90659 | 0.63% | 0.082% |
| 68 | 14.357 | 1946 | 1950 | 1956 | rVB | 72636 | 106013 | 0.74% | 0.096% |
| 69 | 14.427 | 1956 | 1962 | 1969 | rBV | 193287 | 306932 | 2.14% | 0.278% |
| 70 | 14.592 | 1986 | 1990 | 1995 | rVV | 255310 | 328614 | 2.29% | 0.298% |
| 71 | 14.651 | 1995 | 2000 | 2008 | rVB | 225206 | 328085 | 2.29% | 0.297% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052920\
Data File : BM026189.D
Acq On : 30 May 2020 01:58
Operator : MA/SJ
Sample : L2820-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** CB644

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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_M\METHODS\SOM-EPA-BM051320MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 14.721 | 2008 | 2012 | 2015 | rBV | 66946 | 105004 | 0.73% | 0.095% |
| 73 | 14.880 | 2032 | 2039 | 2050 | rVB3 | 618405 | 1400862 | 9.77% | 1.268% |
| 74 | 15.057 | 2065 | 2069 | 2074 | rVB | 185781 | 232239 | 1.62% | 0.210% |
| 75 | 15.121 | 2074 | 2080 | 2085 | rBV | 1026164 | 1396799 | 9.74% | 1.265% |
| 76 | 15.180 | 2085 | 2090 | 2096 | rBV | 369365 | 470503 | 3.28% | 0.426% |
| 77 | 15.257 | 2097 | 2103 | 2109 | rBV2 | 297161 | 545314 | 3.80% | 0.494% |
| 78 | 15.386 | 2122 | 2125 | 2130 | rBV2 | 45175 | 82560 | 0.58% | 0.075% |
| 79 | 15.492 | 2137 | 2143 | 2146 | rBV2 | 142493 | 227254 | 1.58% | 0.206% |
| 80 | 15.645 | 2161 | 2169 | 2178 | rVB | 603704 | 928319 | 6.47% | 0.840% |
| 81 | 15.821 | 2194 | 2199 | 2206 | rVB2 | 193819 | 307687 | 2.15% | 0.279% |
| 82 | 16.009 | 2223 | 2231 | 2244 | rVB8 | 101715 | 311431 | 2.17% | 0.282% |
| 83 | 16.157 | 2252 | 2256 | 2263 | rVB | 276471 | 380430 | 2.65% | 0.344% |
| 84 | 16.321 | 2279 | 2284 | 2290 | rBV | 287066 | 379772 | 2.65% | 0.344% |
| 85 | 16.439 | 2301 | 2304 | 2313 | rVB | 43407 | 77022 | 0.54% | 0.070% |
| 86 | 16.868 | 2372 | 2377 | 2382 | rBV | 1475865 | 2131387 | 14.86% | 1.930% |
| 87 | 16.909 | 2382 | 2384 | 2389 | rVB | 121030 | 141241 | 0.98% | 0.128% |
| 88 | 16.968 | 2389 | 2394 | 2404 | rBV | 973699 | 1350022 | 9.41% | 1.222% |
| 89 | 17.074 | 2406 | 2412 | 2419 | rVB | 1662069 | 2132203 | 14.87% | 1.930% |
| 90 | 17.809 | 2533 | 2537 | 2544 | rBV | 118212 | 170437 | 1.19% | 0.154% |
| 91 | 18.580 | 2663 | 2668 | 2676 | rVB | 223795 | 328926 | 2.29% | 0.298% |
| 92 | 18.939 | 2725 | 2729 | 2732 | rBV | 59537 | 75421 | 0.53% | 0.068% |
| 93 | 19.156 | 2760 | 2766 | 2770 | rBV2 | 365271 | 537651 | 3.75% | 0.487% |
| 94 | 19.192 | 2770 | 2772 | 2778 | rVB | 96006 | 107407 | 0.75% | 0.097% |
| 95 | 19.268 | 2780 | 2785 | 2793 | rBV | 839018 | 1191686 | 8.31% | 1.079% |
| 96 | 19.339 | 2793 | 2797 | 2802 | rVV | 132803 | 177306 | 1.24% | 0.161% |
| 97 | 20.815 | 3045 | 3048 | 3054 | rBV | 817056 | 927577 | 6.47% | 0.840% |
| 98 | 21.068 | 3087 | 3091 | 3099 | rBV | 1898342 | 2414677 | 16.84% | 2.186% |
| 99 | 23.050 | 3425 | 3428 | 3435 | rVB | 260605 | 409414 | 2.85% | 0.371% |
| 100 | 23.185 | 3445 | 3451 | 3459 | rVB | 1401943 | 2416718 | 16.85% | 2.188% |

Sum of corrected areas: 110448787

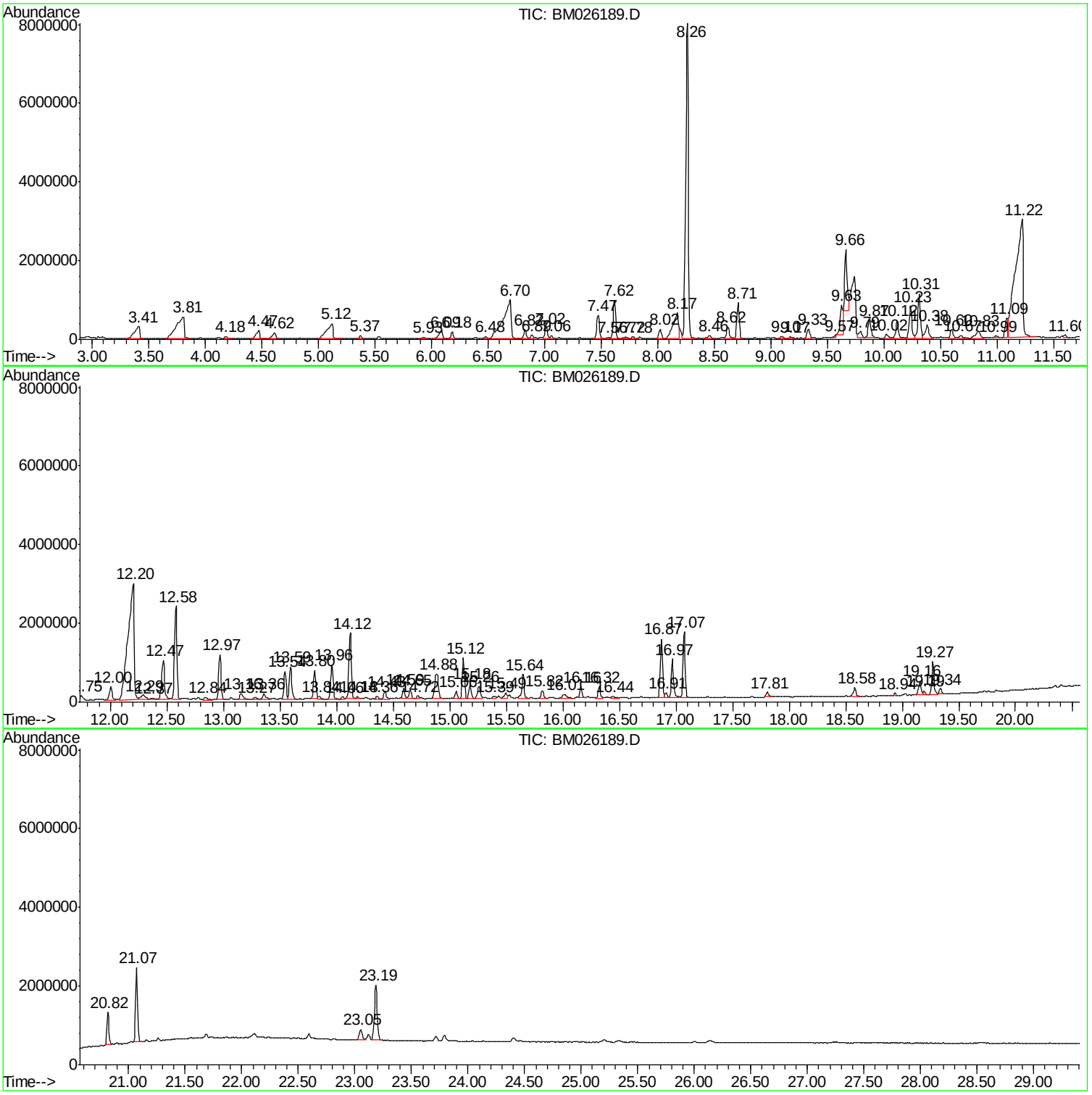
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052920\
Data File : BM026189.D
Acq On : 30 May 2020 01:58
Operator : MA/SJ
Sample : L2820-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** CB644

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051320MA.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052920\
Data File : BM026189.D
Acq On : 30 May 2020 01:58
Operator : MA/SJ
Sample : L2820-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** CB644

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051320MA.M
Quant Title : SVOA CALIBRATION

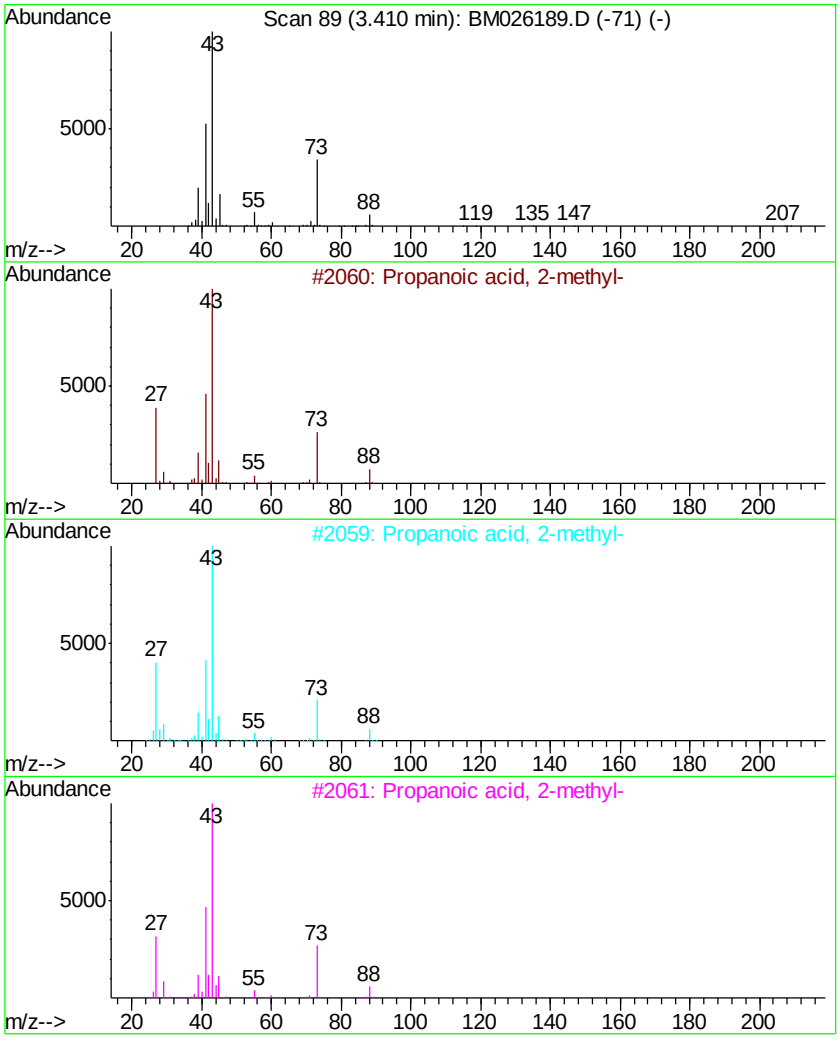
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

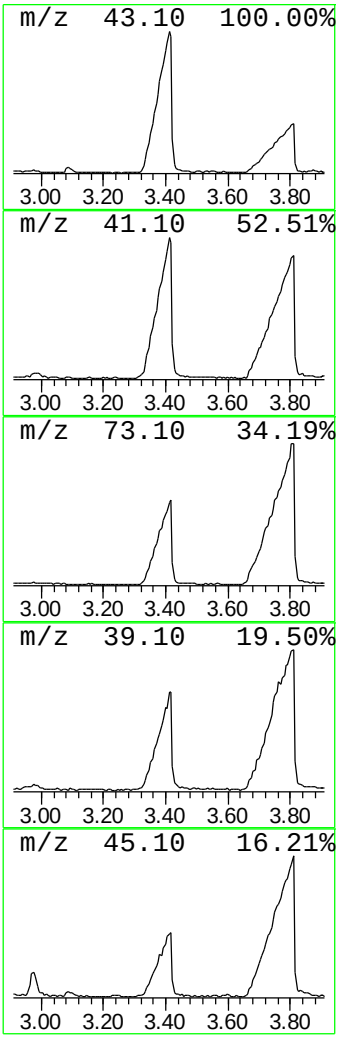
**********

Peak Number 1 Propanoic acid, 2-methyl- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.41 | 19.24 ng/ul | 936796 | 1,4-Dichlorobenzene-d4 | 7.47 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propanoic acid, 2-methyl- | 88 | C4H8O2 | 000079-31-2 | 91 |
| 2 | Propanoic acid, 2-methyl- | 88 | C4H8O2 | 000079-31-2 | 91 |
| 3 | Propanoic acid, 2-methyl- | 88 | C4H8O2 | 000079-31-2 | 87 |
| 4 | Propanoic acid, 2-methyl- | 88 | C4H8O2 | 000079-31-2 | 78 |
| 5 | Propanoic acid, 2-methyl- | 88 | C4H8O2 | 000079-31-2 | 72 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052920\
Data File : BM026189.D
Acq On : 30 May 2020 01:58
Operator : MA/SJ
Sample : L2820-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** CB644

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051320MA.M
Quant Title : SVOA CALIBRATION

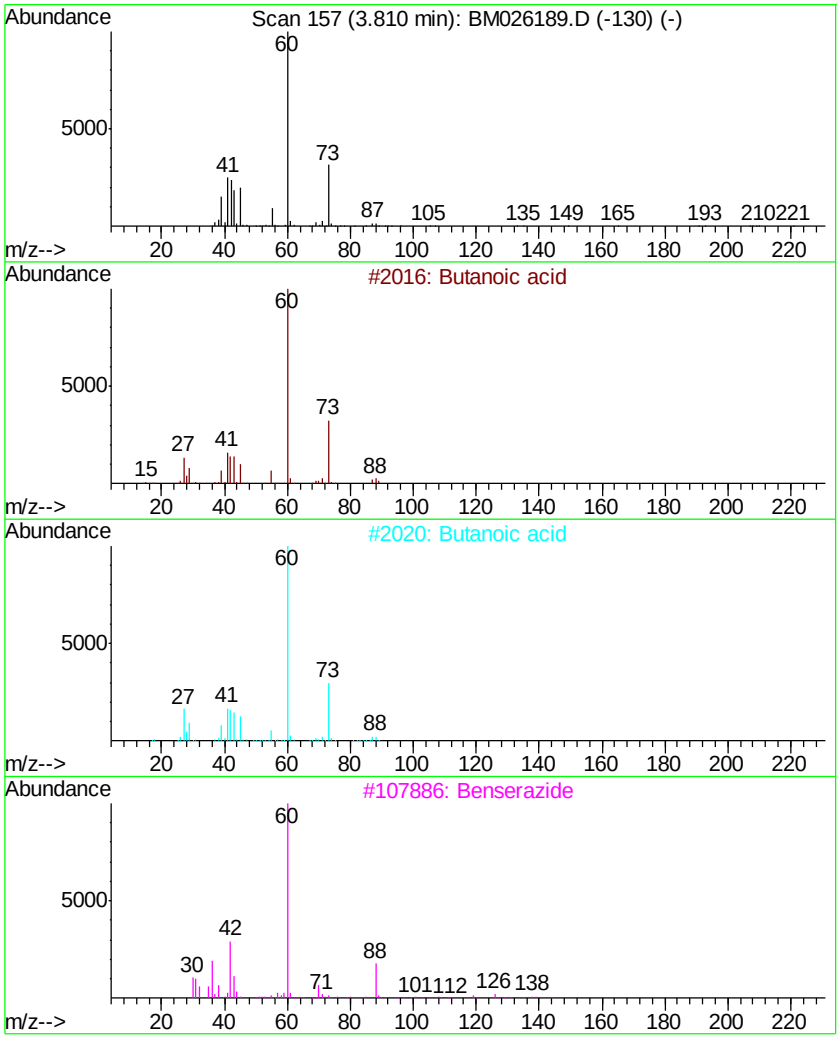
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

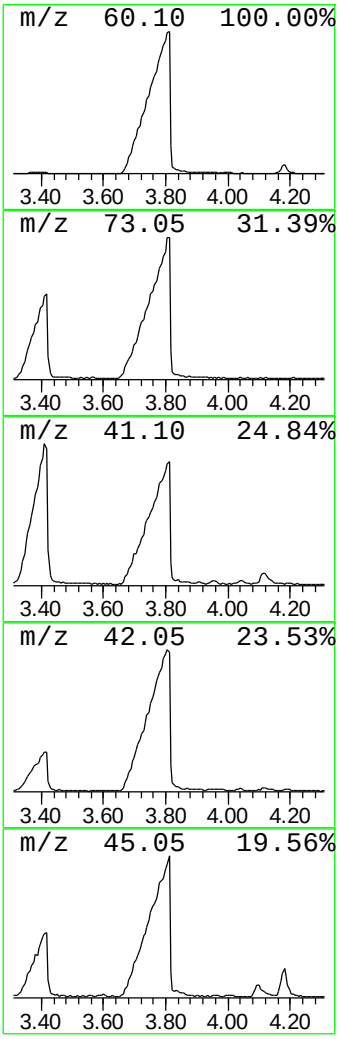
**********

Peak Number 2 Butanoic acid Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.81 | 55.17 ng/ul | 2685640 | 1,4-Dichlorobenzene-d4 | 7.47 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butanoic acid | 88 | C4H8O2 | 000107-92-6 | 80 |
| 2 | Butanoic acid | 88 | C4H8O2 | 000107-92-6 | 80 |
| 3 | Benserazide | 257 | C10H15N3O5 | 000322-35-0 | 9 |
| 4 | 4-Bromobutyric acid | 166 | C4H7BrO2 | 002623-87-2 | 9 |
| 5 | Butanoic acid, 4-chloro- | 122 | C4H7ClO2 | 000627-00-9 | 9 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052920\
Data File : BM026189.D
Acq On : 30 May 2020 01:58
Operator : MA/SJ
Sample : L2820-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** CB644

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051320MA.M
Quant Title : SVOA CALIBRATION

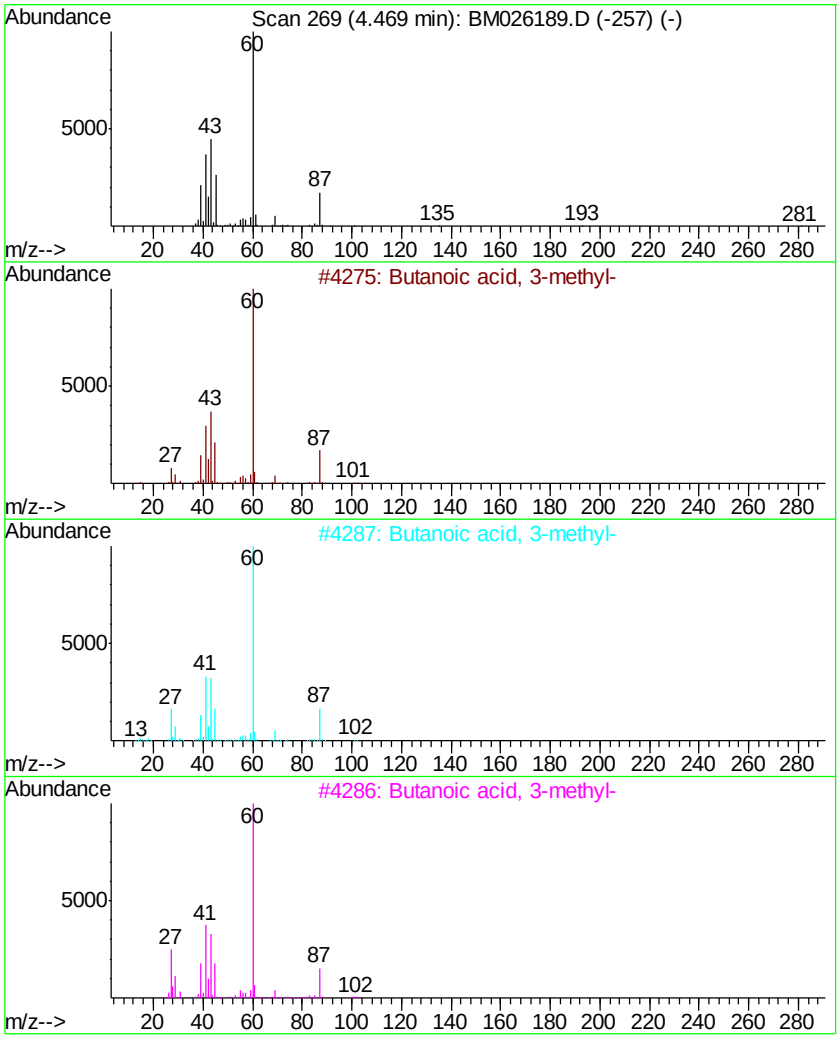
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

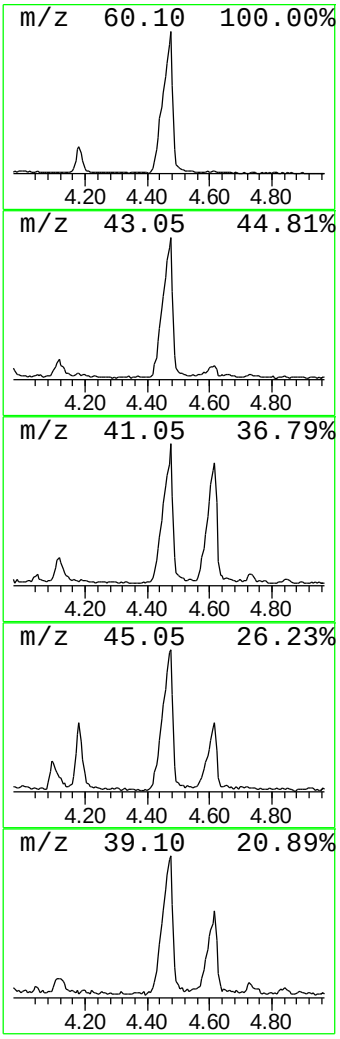
**********

Peak Number 3 Butanoic acid, 3-methyl- Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.47 | 9.97 ng/ul | 485595 | 1,4-Dichlorobenzene-d4 | 7.47 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butanoic acid, 3-methyl- | 102 | C5H10O2 | 000503-74-2 | 90 |
| 2 | Butanoic acid, 3-methyl- | 102 | C5H10O2 | 000503-74-2 | 83 |
| 3 | Butanoic acid, 3-methyl- | 102 | C5H10O2 | 000503-74-2 | 56 |
| 4 | Octane, 1-(ethenylthio)- | 172 | C10H20S | 042779-08-8 | 39 |
| 5 | N-Carbomethoxy-N-methoxymethylamine | 119 | C4H9NO3 | 153654-07-0 | 39 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052920\
Data File : BM026189.D
Acq On : 30 May 2020 01:58
Operator : MA/SJ
Sample : L2820-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** CB644

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051320MA.M
Quant Title : SVOA CALIBRATION

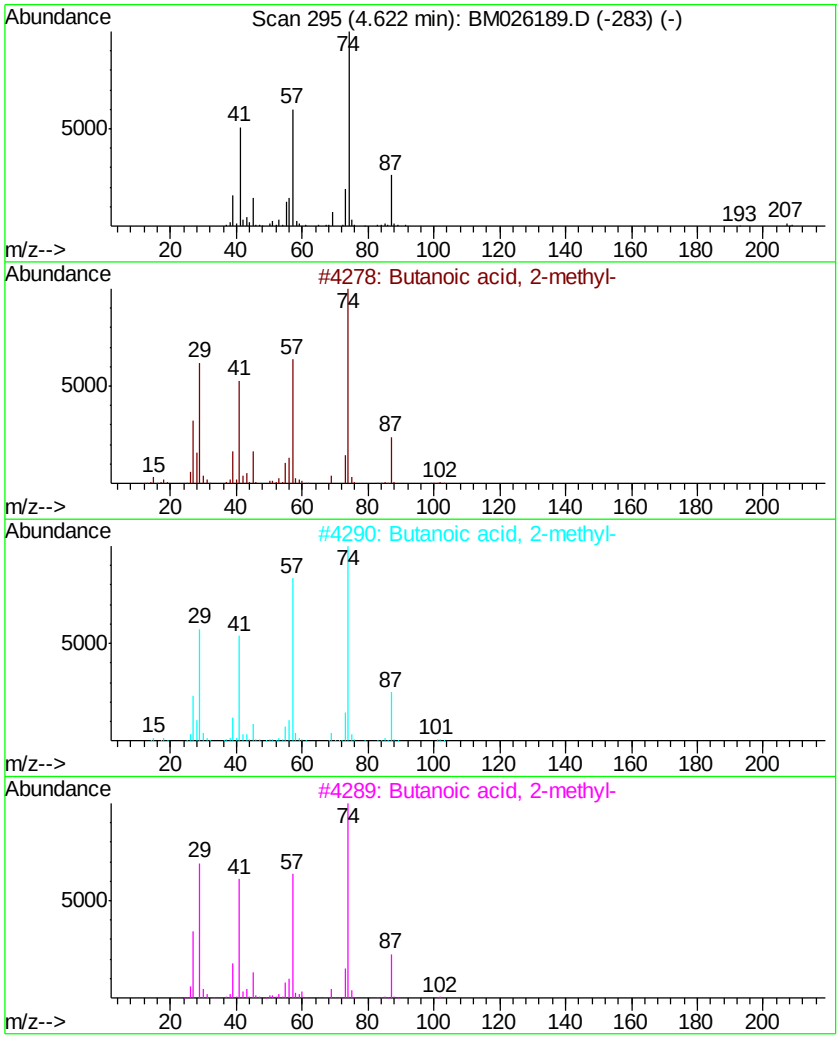
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

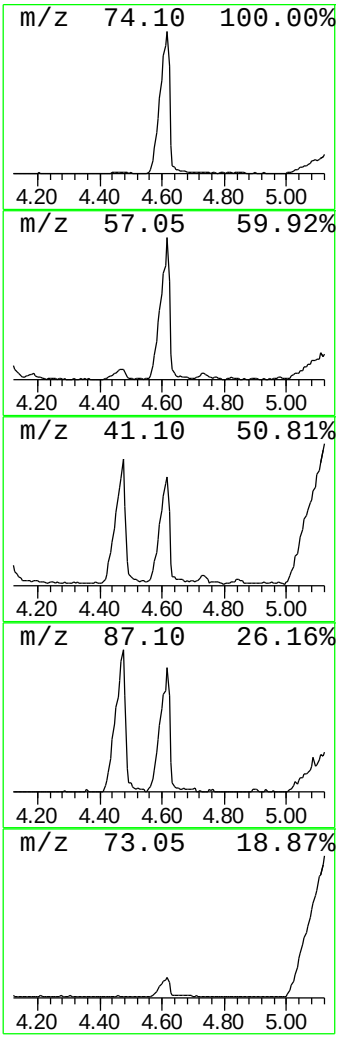
**********

Peak Number 4 Butanoic acid, 2-methyl- Concentration Rank 26

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.62 | 6.56 ng/ul | 319391 | 1,4-Dichlorobenzene-d4 | 7.47 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butanoic acid, 2-methyl- | 102 | C5H10O2 | 000116-53-0 | 78 |
| 2 | Butanoic acid, 2-methyl- | 102 | C5H10O2 | 000116-53-0 | 64 |
| 3 | Butanoic acid, 2-methyl- | 102 | C5H10O2 | 000116-53-0 | 64 |
| 4 | Pentanoic acid, 2-methyl-, butyl... | 172 | C10H20O2 | 006297-41-2 | 50 |
| 5 | Pentanoic acid, 2-methyl- | 116 | C6H12O2 | 000097-61-0 | 42 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052920\
Data File : BM026189.D
Acq On : 30 May 2020 01:58
Operator : MA/SJ
Sample : L2820-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** CB644

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051320MA.M
Quant Title : SVOA CALIBRATION

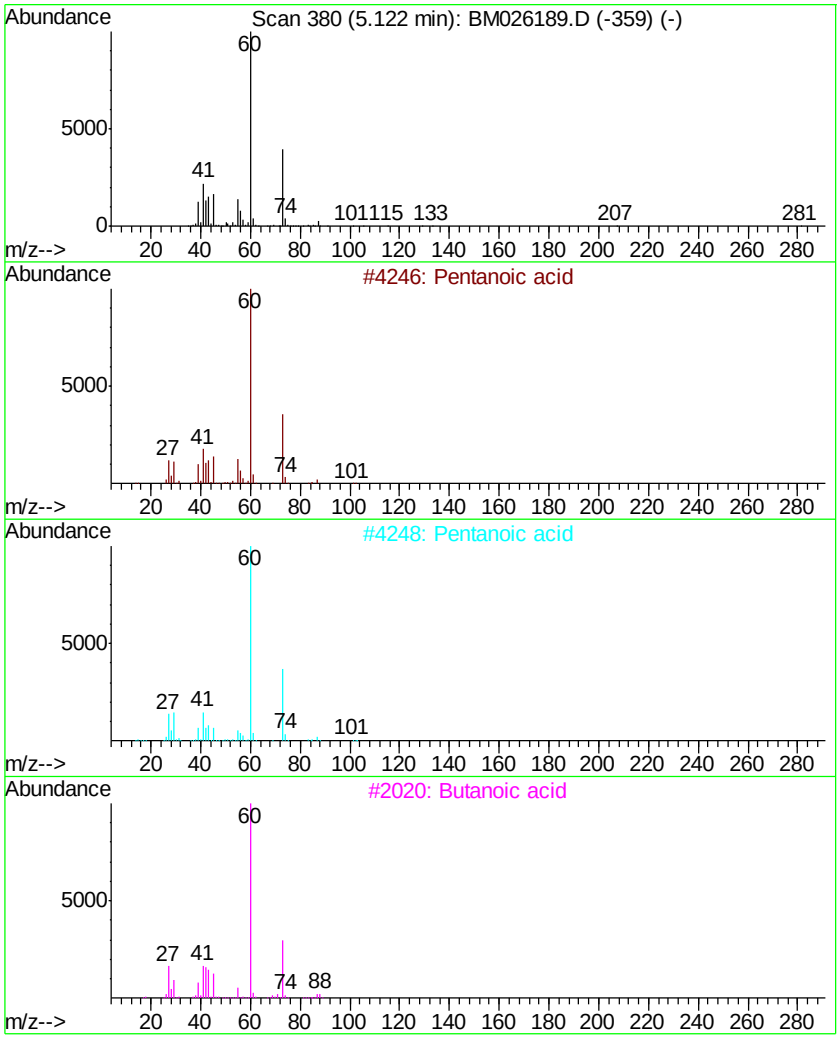
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

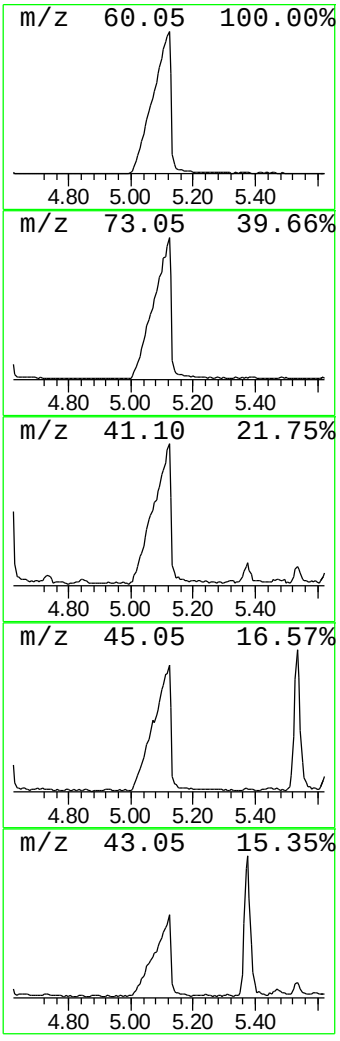
**********

Peak Number 5 Pentanoic acid Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.12 | 31.28 ng/ul | 1522860 | 1,4-Dichlorobenzene-d4 | 7.47 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentanoic acid | 102 | C5H10O2 | 000109-52-4 | 90 |
| 2 | Pentanoic acid | 102 | C5H10O2 | 000109-52-4 | 78 |
| 3 | Butanoic acid | 88 | C4H8O2 | 000107-92-6 | 78 |
| 4 | Butanoic acid | 88 | C4H8O2 | 000107-92-6 | 64 |
| 5 | Propanedioic acid, propyl- | 146 | C6H10O4 | 000616-62-6 | 59 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052920\
Data File : BM026189.D
Acq On : 30 May 2020 01:58
Operator : MA/SJ
Sample : L2820-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** CB644

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051320MA.M
Quant Title : SVOA CALIBRATION

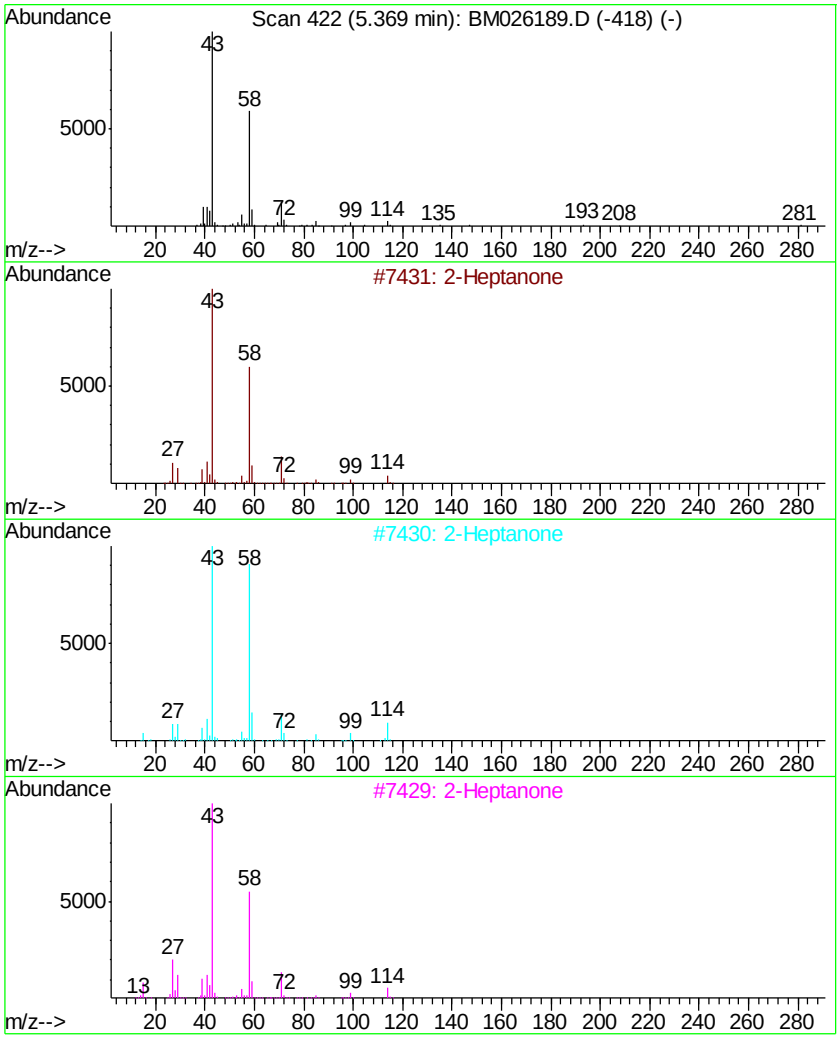
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

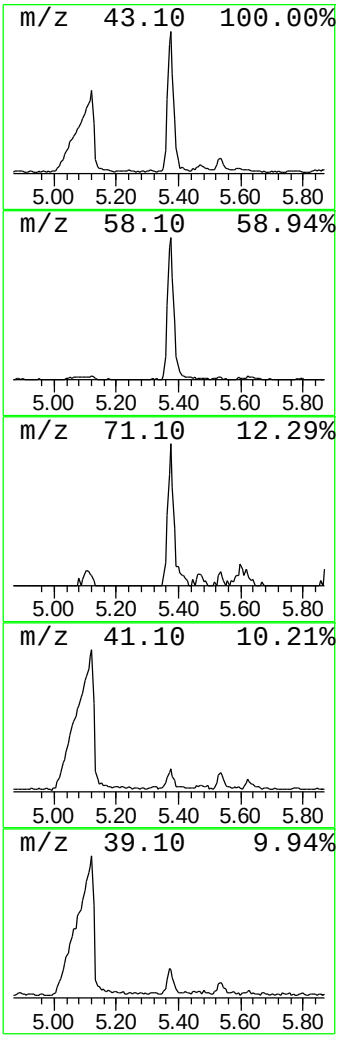
**********

Peak Number 6 2-Heptanone Concentration Rank 42

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.37 | 2.73 ng/ul | 132853 | 1,4-Dichlorobenzene-d4 | 7.47 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Heptanone | 114 | C7H14O | 000110-43-0 | 91 |
| 2 | 2-Heptanone | 114 | C7H14O | 000110-43-0 | 78 |
| 3 | 2-Heptanone | 114 | C7H14O | 000110-43-0 | 64 |
| 4 | 2-Hexanone, 4-methyl- | 114 | C7H14O | 000105-42-0 | 64 |
| 5 | 2-Octanone | 128 | C8H16O | 000111-13-7 | 64 |



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Data File : BM026189.D
Acq On : 30 May 2020 01:58
Operator : MA/SJ
Sample : L2820-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** CB644

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051320MA.M
Quant Title : SVOA CALIBRATION

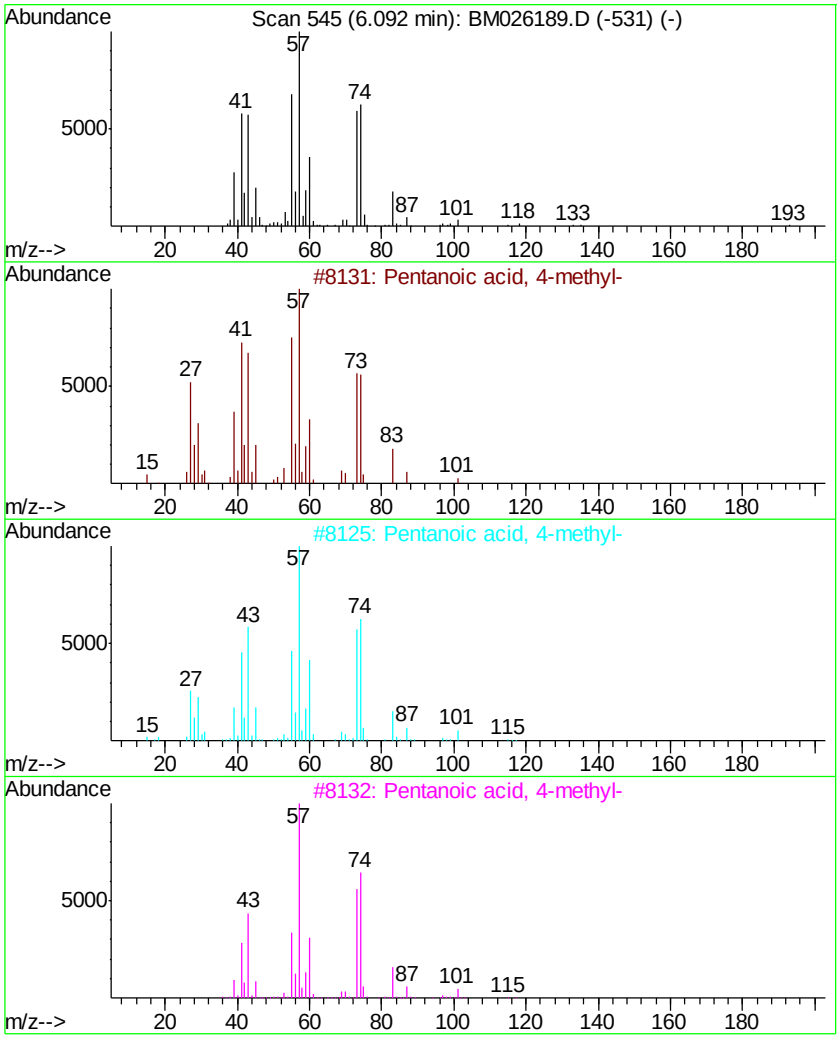
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

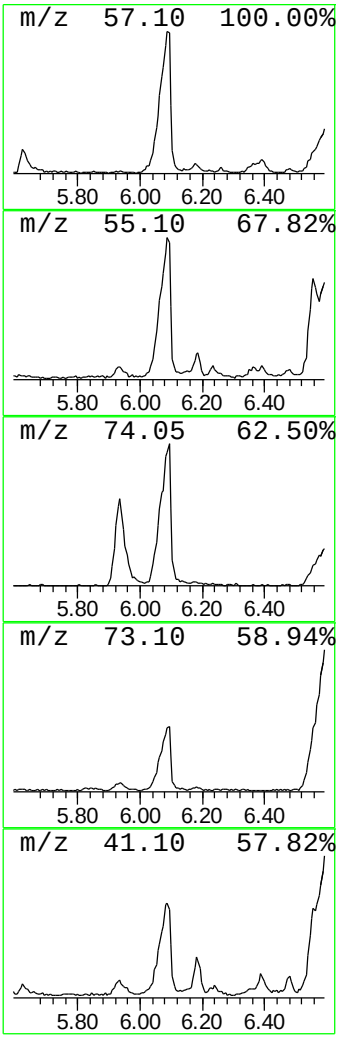
**********

Peak Number 7 Pentanoic acid, 4-methyl- Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.09 | 9.36 ng/ul | 455721 | 1,4-Dichlorobenzene-d4 | 7.47 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentanoic acid, 4-methyl- | 116 | C6H12O2 | 000646-07-1 | 91 |
| 2 | Pentanoic acid, 4-methyl- | 116 | C6H12O2 | 000646-07-1 | 78 |
| 3 | Pentanoic acid, 4-methyl- | 116 | C6H12O2 | 000646-07-1 | 72 |
| 4 | 4-Methyloctanoic acid | 158 | C9H18O2 | 054947-74-9 | 42 |
| 5 | Sulfurous acid, butyl 2-propyl e... | 180 | C7H16O3S | 1000309-11-4 | 32 |



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Data File : BM026189.D
Acq On : 30 May 2020 01:58
Operator : MA/SJ
Sample : L2820-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** CB644

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051320MA.M
Quant Title : SVOA CALIBRATION

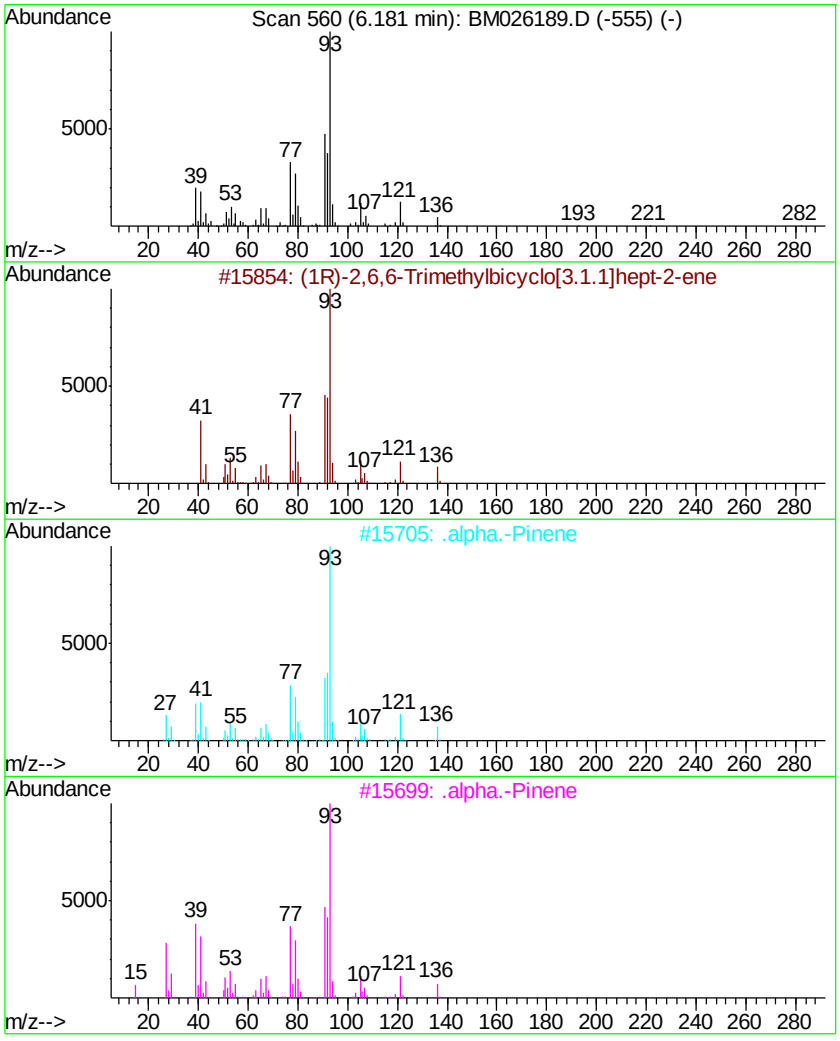
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

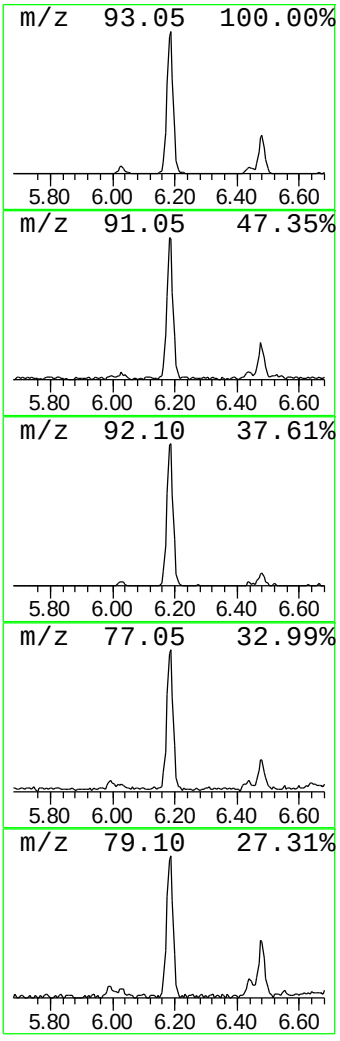
**********

Peak Number 8 (1R)-2,6,6-Trimethylbicyclo... Concentration Rank 28

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.18 | 5.15 ng/ul | 250726 | 1,4-Dichlorobenzene-d4 | 7.47 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | (1R)-2,6,6-Trimethylbicyclo[3.1.... | 136 | C10H16 | 007785-70-8 | 95 |
| 2 | .alpha.-Pinene | 136 | C10H16 | 000080-56-8 | 95 |
| 3 | .alpha.-Pinene | 136 | C10H16 | 000080-56-8 | 95 |
| 4 | Bicyclo[3.1.1]hept-2-ene, 3,6,6-... | 136 | C10H16 | 004889-83-2 | 94 |
| 5 | Tricyclo[2.2.1.0(2,6)]heptane, 1... | 136 | C10H16 | 000488-97-1 | 91 |



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Data File : BM026189.D
Acq On : 30 May 2020 01:58
Operator : MA/SJ
Sample : L2820-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** CB644

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051320MA.M
Quant Title : SVOA CALIBRATION

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

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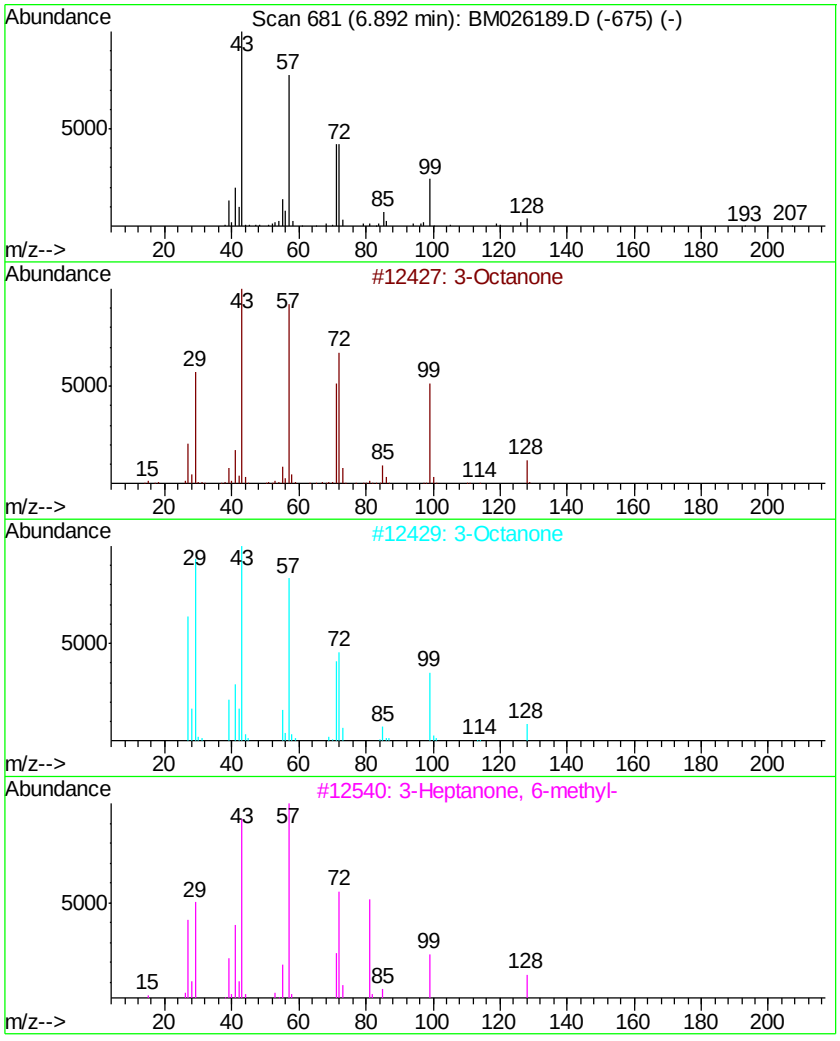
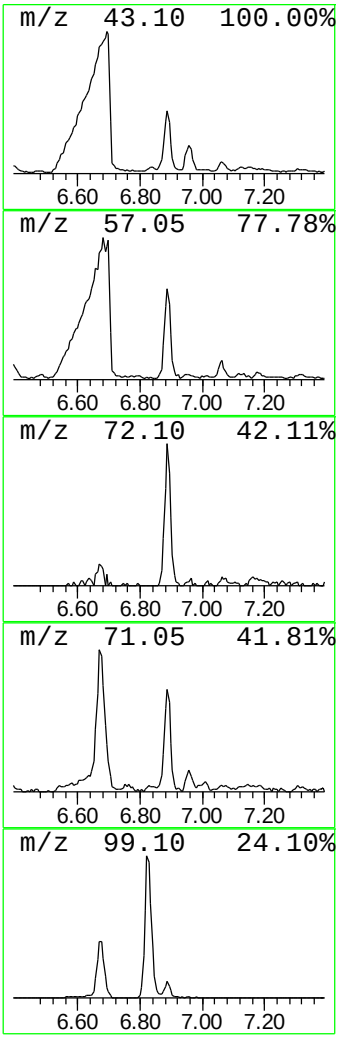
Peak Number 9 3-Octanone Concentration Rank 37

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.89 | 3.06 ng/ul | 148795 | 1,4-Dichlorobenzene-d4 | 7.47 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Octanone | 128 | C8H16O | 000106-68-3 | 90 |
| 2 | 3-Octanone | 128 | C8H16O | 000106-68-3 | 83 |
| 3 | 3-Heptanone, 6-methyl- | 128 | C8H16O | 000624-42-0 | 47 |
| 4 | 3-Octanone | 128 | C8H16O | 000106-68-3 | 43 |
| 5 | Heptane, 2,3,4-trimethyl- | 142 | C10H22 | 052896-95-4 | 38 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052920\
Data File : BM026189.D
Acq On : 30 May 2020 01:58
Operator : MA/SJ
Sample : L2820-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** CB644

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051320MA.M
Quant Title : SVOA CALIBRATION

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

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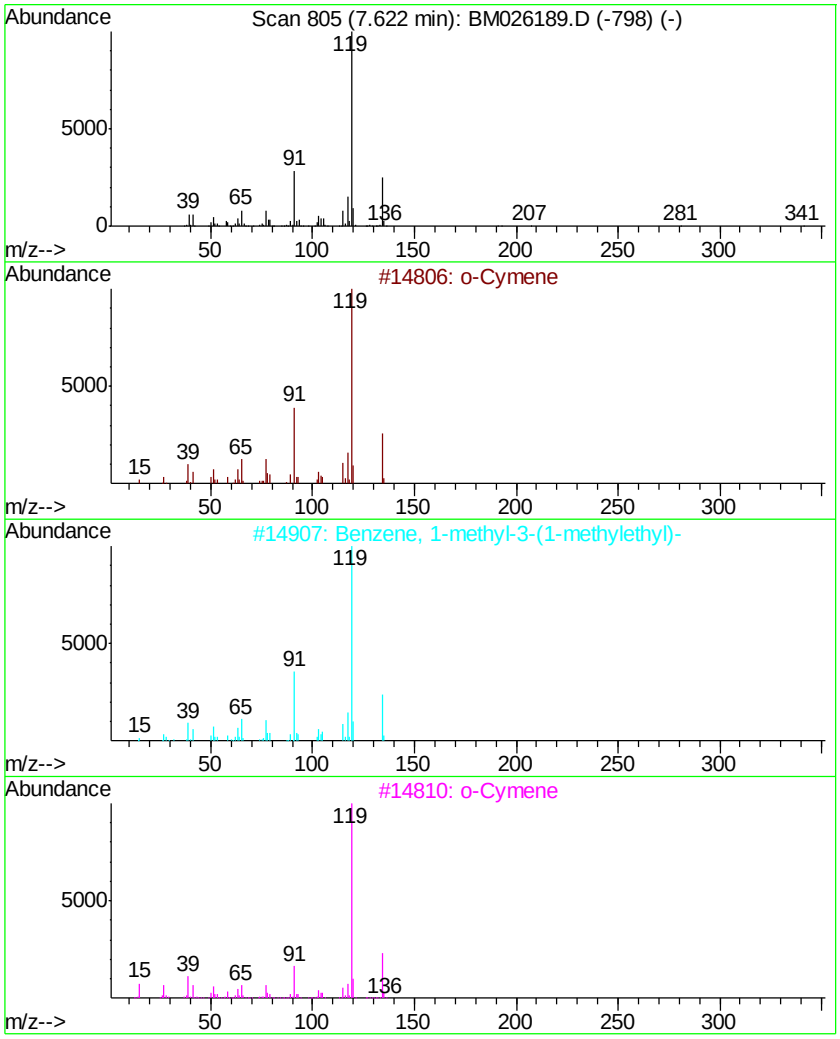
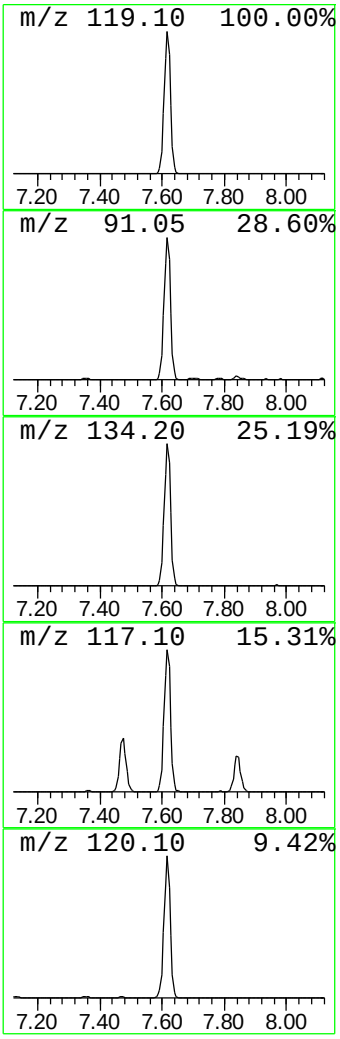
Peak Number 10 o-Cymene Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.62 | 29.16 ng/ul | 1419480 | 1,4-Dichlorobenzene-d4 | 7.47 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | o-Cymene | 134 | C10H14 | 000527-84-4 | 96 |
| 2 | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14 | 000535-77-3 | 96 |
| 3 | o-Cymene | 134 | C10H14 | 000527-84-4 | 94 |
| 4 | o-Cymene | 134 | C10H14 | 000527-84-4 | 94 |
| 5 | p-Cymene | 134 | C10H14 | 000099-87-6 | 94 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052920\
Data File : BM026189.D
Acq On : 30 May 2020 01:58
Operator : MA/SJ
Sample : L2820-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** CB644

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051320MA.M
Quant Title : SVOA CALIBRATION

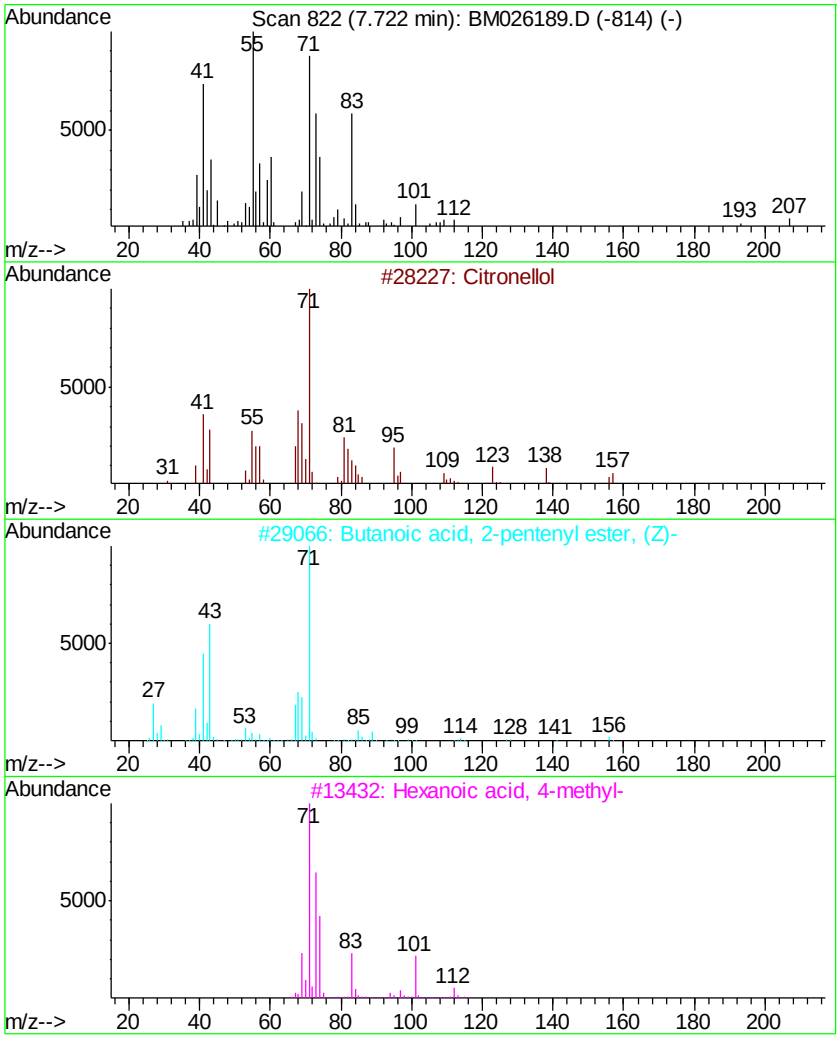
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

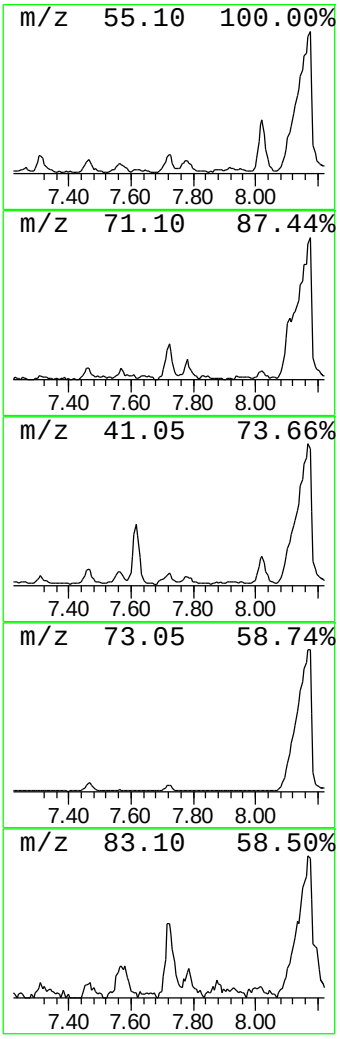
**********

Peak Number 11 unknown-01 Concentration Rank 46

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.72 | 2.49 ng/ul | 121025 | 1,4-Dichlorobenzene-d4 | 7.47 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Citronellol | 156 | C10H20O | 000106-22-9 | 38 |
| 2 | Butanoic acid, 2-pentenyl ester,... | 156 | C9H16O2 | 042125-13-3 | 38 |
| 3 | Hexanoic acid, 4-methyl- | 130 | C7H14O2 | 001561-11-1 | 38 |
| 4 | 3,4-Dimethylcyclohexanol | 128 | C8H16O | 005715-23-1 | 37 |
| 5 | (R)-(-)-4-Methylhexanoic acid | 130 | C7H14O2 | 052745-93-4 | 32 |



# Library Search Compound Report

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Data File : BM026189.D
Acq On : 30 May 2020 01:58
Operator : MA/SJ
Sample : L2820-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** CB644

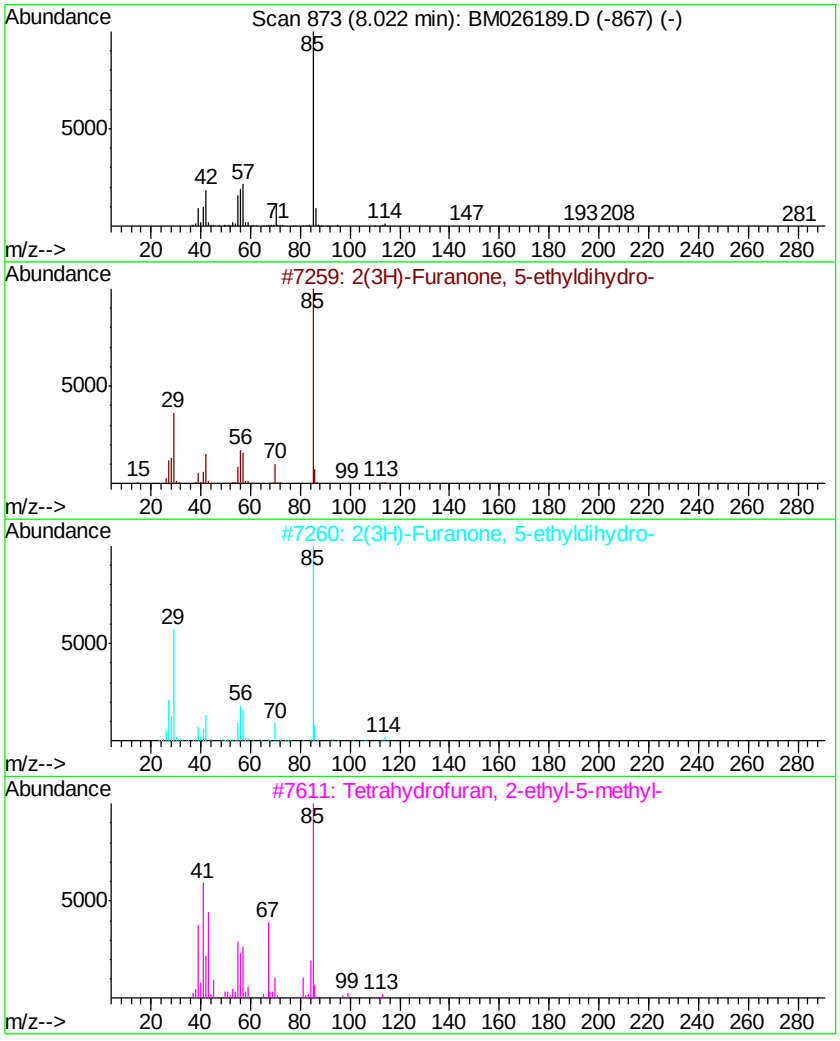
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051320MA.M
Quant Title : SVOA CALIBRATION

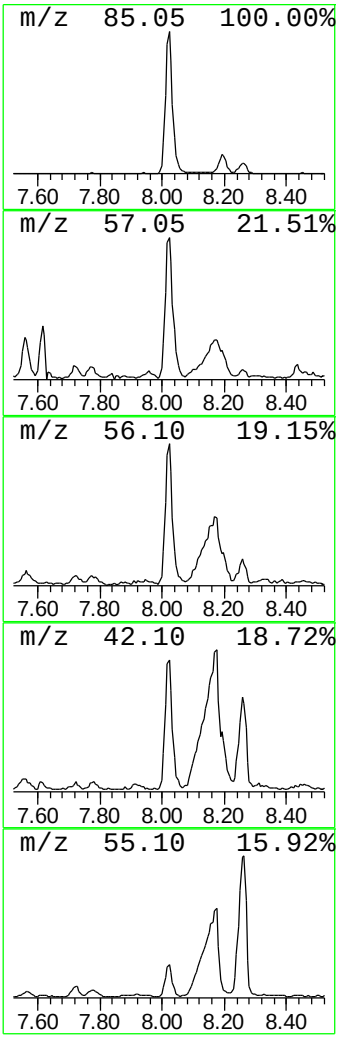
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 12 2(3H)-Furanone, 5-ethyldihy... Concentration Rank 23

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.02 | 8.10 ng/ul | 394537 | 1,4-Dichlorobenzene-d4 | 7.47 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2(3H)-Furanone, 5-ethyldihydro- | 114 | C6H10O2 | 000695-06-7 | 91 |
| 2 | 2(3H)-Furanone, 5-ethyldihydro- | 114 | C6H10O2 | 000695-06-7 | 74 |
| 3 | Tetrahydrofuran, 2-ethyl-5-methyl- | 114 | C7H14O | 000931-39-5 | 64 |
| 4 | 2(3H)-Furanone, 5-ethyldihydro- | 114 | C6H10O2 | 000695-06-7 | 56 |
| 5 | 2(3H)-Furanone, 5-ethyldihydro- | 114 | C6H10O2 | 000695-06-7 | 40 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052920\
Data File : BM026189.D
Acq On : 30 May 2020 01:58
Operator : MA/SJ
Sample : L2820-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** CB644

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051320MA.M
Quant Title : SVOA CALIBRATION

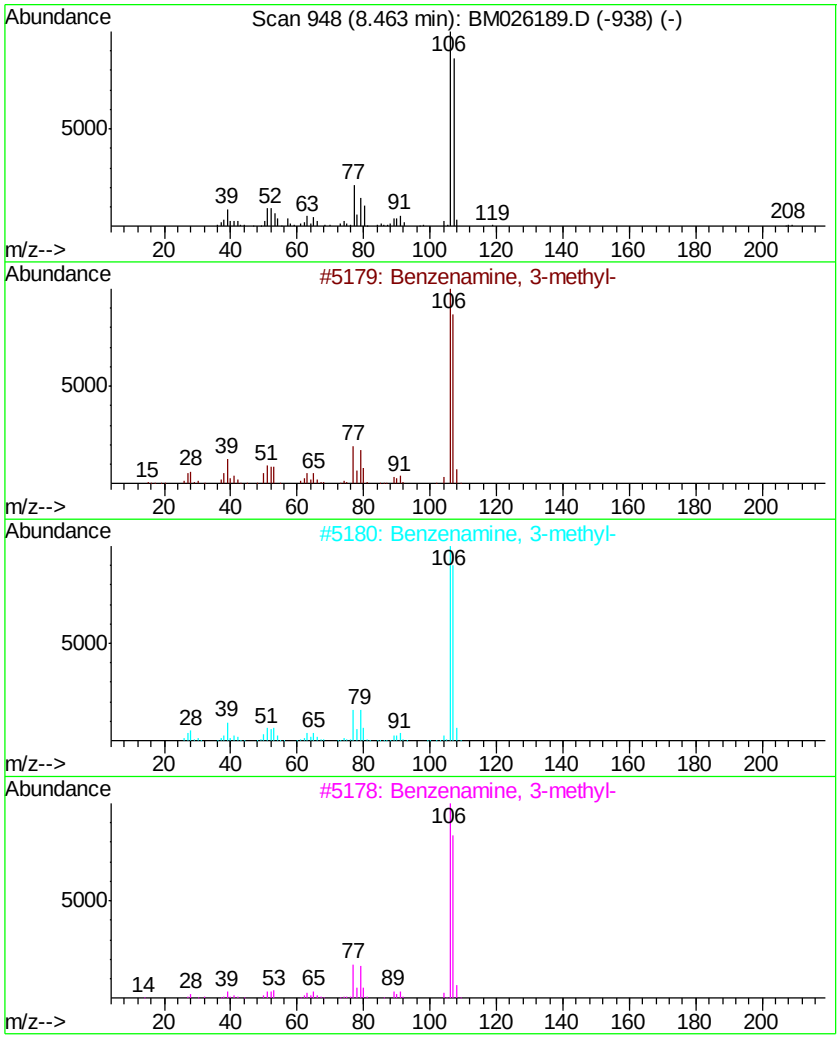
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

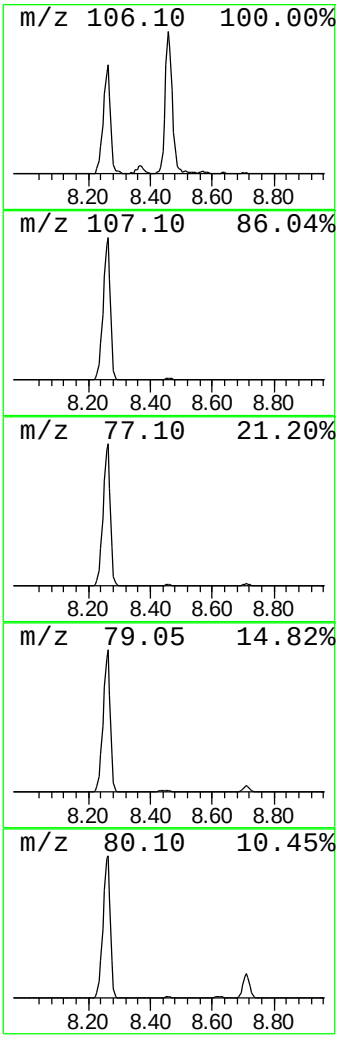
**********

Peak Number 13 Benzenamine, 3-methyl- Concentration Rank 32

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.46 | 3.58 ng/ul | 174253 | 1,4-Dichlorobenzene-d4 | 7.47 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzenamine, 3-methyl- | 107 | C7H9N | 000108-44-1 | 96 |
| 2 | Benzenamine, 3-methyl- | 107 | C7H9N | 000108-44-1 | 95 |
| 3 | Benzenamine, 3-methyl- | 107 | C7H9N | 000108-44-1 | 94 |
| 4 | Benzenamine, 3-methyl- | 107 | C7H9N | 000108-44-1 | 94 |
| 5 | p-Aminotoluene | 107 | C7H9N | 000106-49-0 | 91 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052920\
Data File : BM026189.D
Acq On : 30 May 2020 01:58
Operator : MA/SJ
Sample : L2820-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** CB644

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051320MA.M
Quant Title : SVOA CALIBRATION

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

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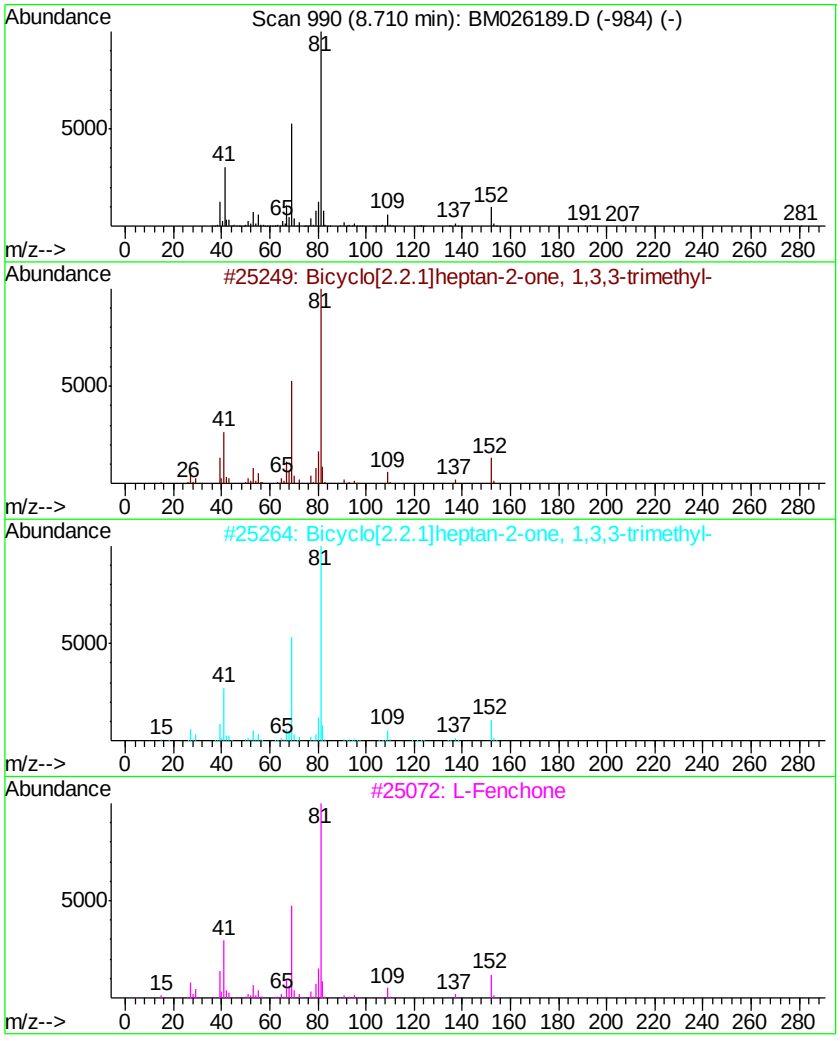
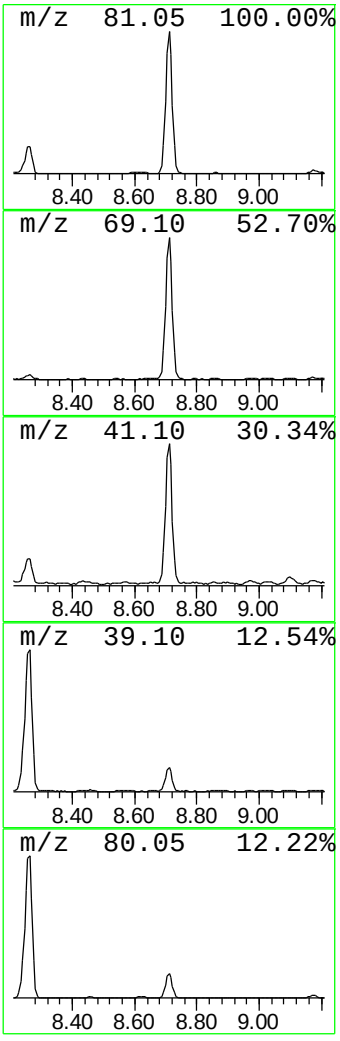
Peak Number 14 Bicyclo[2.2.1]heptan-2-one,... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.71 | 27.78 ng/ul | 1352390 | 1,4-Dichlorobenzene-d4 | 7.47 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Bicyclo[2.2.1]heptan-2-one, 1,3,... | 152 | C10H16O | 001195-79-5 | 95 |
| 2 | Bicyclo[2.2.1]heptan-2-one, 1,3,... | 152 | C10H16O | 001195-79-5 | 95 |
| 3 | L-Fenchone | 152 | C10H16O | 007787-20-4 | 95 |
| 4 | Bicyclo[2.2.1]heptan-2-one, 1,3,... | 152 | C10H16O | 001195-79-5 | 91 |
| 5 | D-Fenchone | 152 | C10H16O | 004695-62-9 | 91 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052920\
Data File : BM026189.D
Acq On : 30 May 2020 01:58
Operator : MA/SJ
Sample : L2820-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** CB644

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051320MA.M
Quant Title : SVOA CALIBRATION

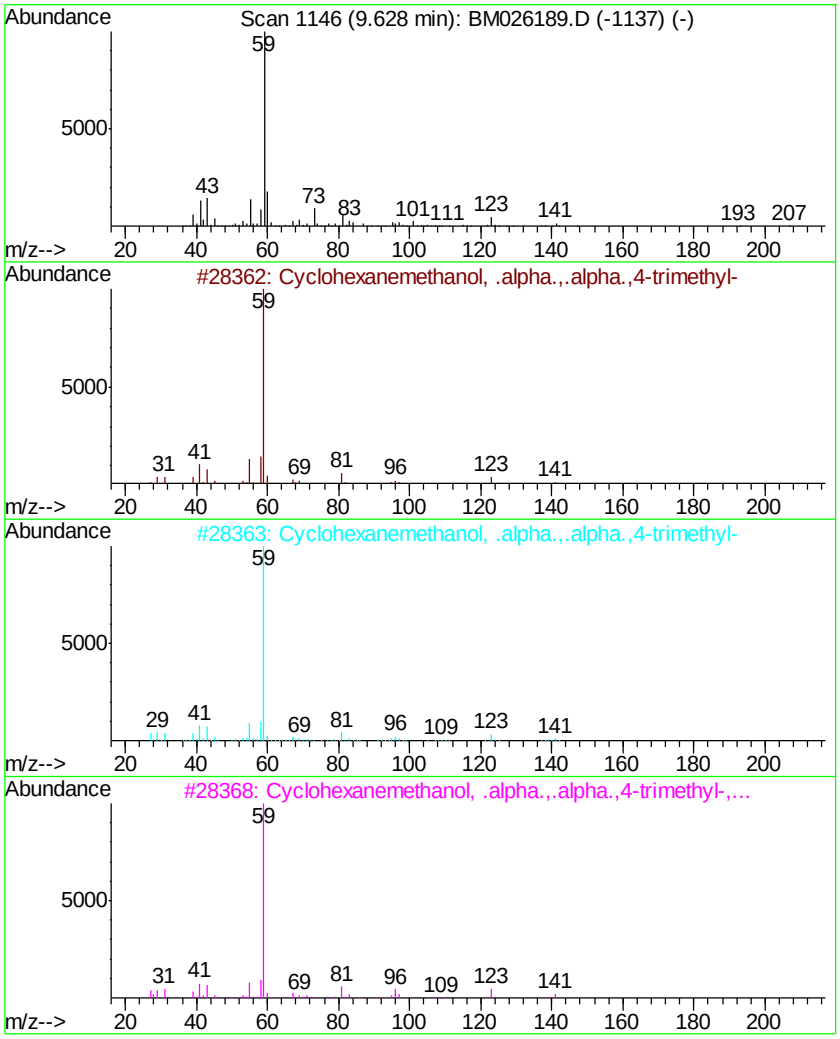
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

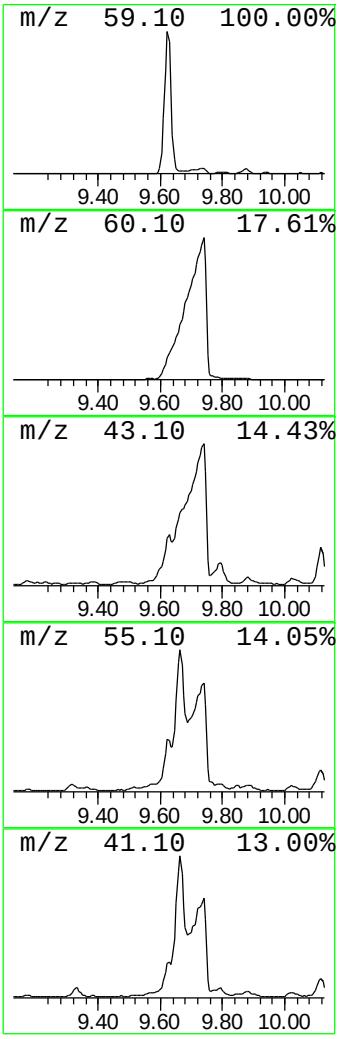
**********

Peak Number 15 Cyclohexanemethanol, .alpha... Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.63 | 20.43 ng/ul | 1411020 | Naphthalene-d8 | 10.23 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexanemethanol, .alpha.,.al... | 156 | C10H20O | 000498-81-7 | 56 |
| 2 | Cyclohexanemethanol, .alpha.,.al... | 156 | C10H20O | 000498-81-7 | 50 |
| 3 | Cyclohexanemethanol, .alpha.,.al... | 156 | C10H20O | 007322-63-6 | 50 |
| 4 | Cyclohexanemethanol, .alpha.,.al... | 156 | C10H20O | 005114-00-1 | 50 |
| 5 | 1-(1-Methoxypropan-2-yloxy)propa... | 190 | C9H18O4 | 1000367-08-6 | 45 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052920\
Data File : BM026189.D
Acq On : 30 May 2020 01:58
Operator : MA/SJ
Sample : L2820-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** CB644

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051320MA.M
Quant Title : SVOA CALIBRATION

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

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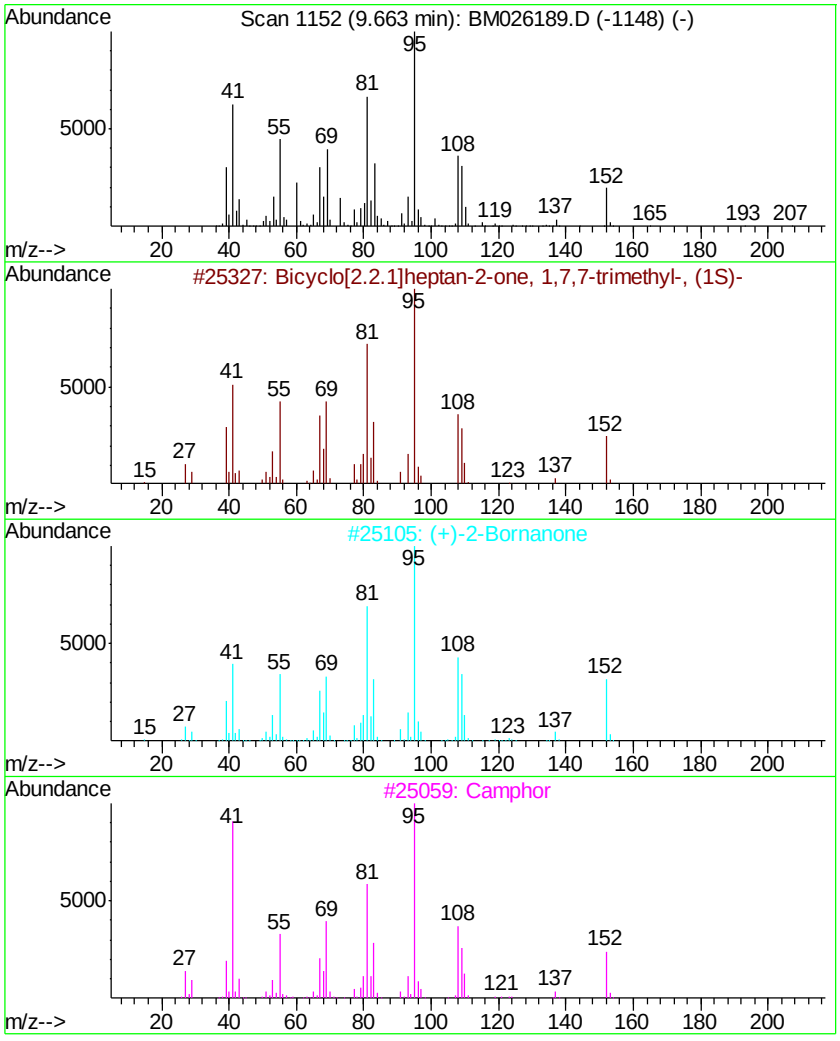
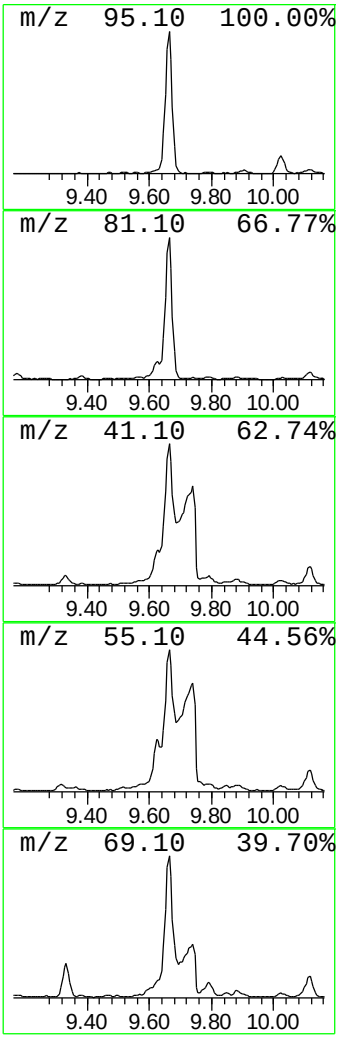
Peak Number 16 Bicyclo[2.2.1]heptan-2-one,... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.66 | 36.07 ng/ul | 2491250 | Naphthalene-d8 | 10.23 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Bicyclo[2.2.1]heptan-2-one, 1,7,... | 152 | C10H16O | 000464-48-2 | 98 |
| 2 | (+)-2-Bornanone | 152 | C10H16O | 000464-49-3 | 97 |
| 3 | Camphor | 152 | C10H16O | 000076-22-2 | 96 |
| 4 | (+)-2-Bornanone | 152 | C10H16O | 000464-49-3 | 96 |
| 5 | (+)-2-Bornanone | 152 | C10H16O | 000464-49-3 | 95 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052920\
Data File : BM026189.D
Acq On : 30 May 2020 01:58
Operator : MA/SJ
Sample : L2820-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** CB644

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051320MA.M
Quant Title : SVOA CALIBRATION

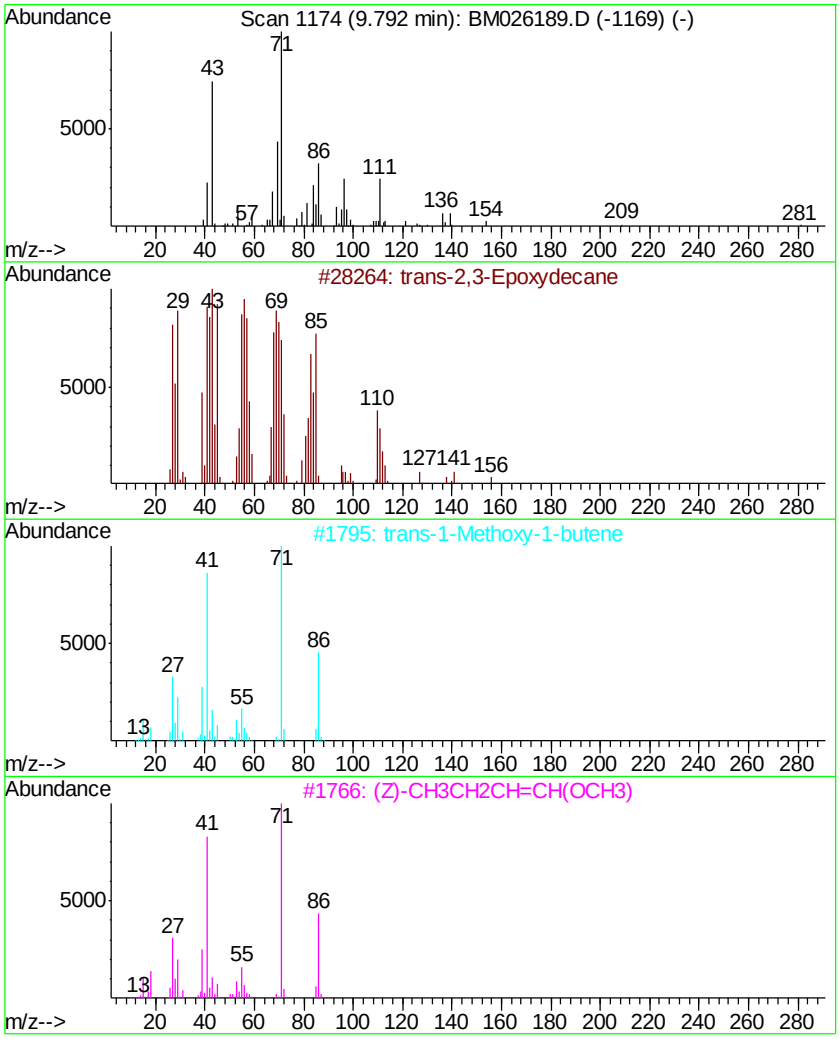
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

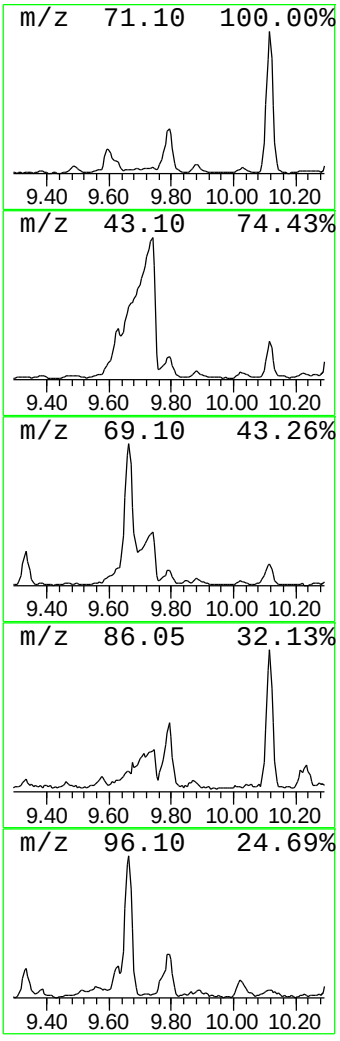
**********

Peak Number 17 unknown-02 Concentration Rank 29

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.79 | 4.58 ng/ul | 316500 | Naphthalene-d8 | 10.23 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | trans-2,3-Epoxydecane | 156 | C10H20O | 054125-39-2 | 47 |
| 2 | trans-1-Methoxy-1-butene | 86 | C5H10O | 010034-13-6 | 46 |
| 3 | (Z)-CH3CH2CH=CH(OCH3) | 86 | C5H10O | 010034-12-5 | 46 |
| 4 | 3-Methoxybut-1-ene | 86 | C5H10O | 017351-24-5 | 43 |
| 5 | Bicyclo[2.2.1]heptan-2-ol, 2,3,3... | 154 | C10H18O | 000465-31-6 | 43 |



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Data File : BM026189.D
Acq On : 30 May 2020 01:58
Operator : MA/SJ
Sample : L2820-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** CB644

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051320MA.M
Quant Title : SVOA CALIBRATION

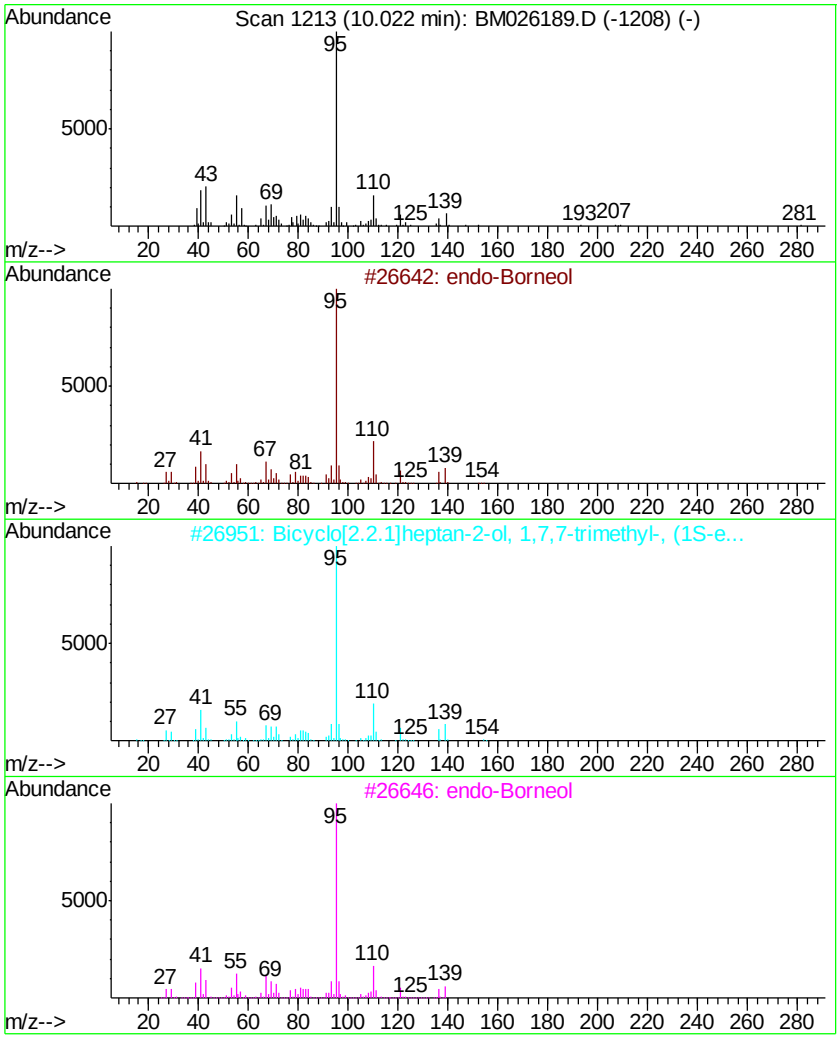
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

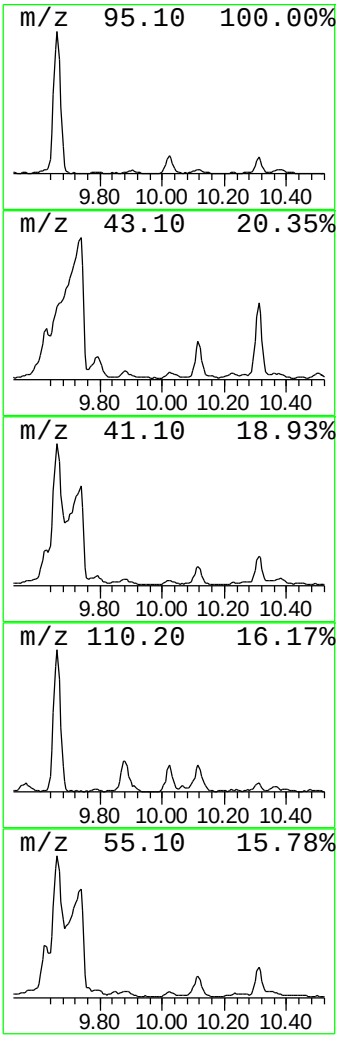
**********

Peak Number 18 endo-Borneol Concentration Rank 38

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.02 | 2.96 ng/ul | 204218 | Naphthalene-d8 | 10.23 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | endo-Borneol | 154 | C10H18O | 000507-70-0 | 90 |
| 2 | Bicyclo[2.2.1]heptan-2-ol, 1,7,7... | 154 | C10H18O | 000464-45-9 | 90 |
| 3 | endo-Borneol | 154 | C10H18O | 000507-70-0 | 86 |
| 4 | endo-Borneol | 154 | C10H18O | 000507-70-0 | 83 |
| 5 | (+)-Borneol | 154 | C10H18O | 1000150-76-3 | 78 |



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Data File : BM026189.D
Acq On : 30 May 2020 01:58
Operator : MA/SJ
Sample : L2820-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** CB644

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051320MA.M
Quant Title : SVOA CALIBRATION

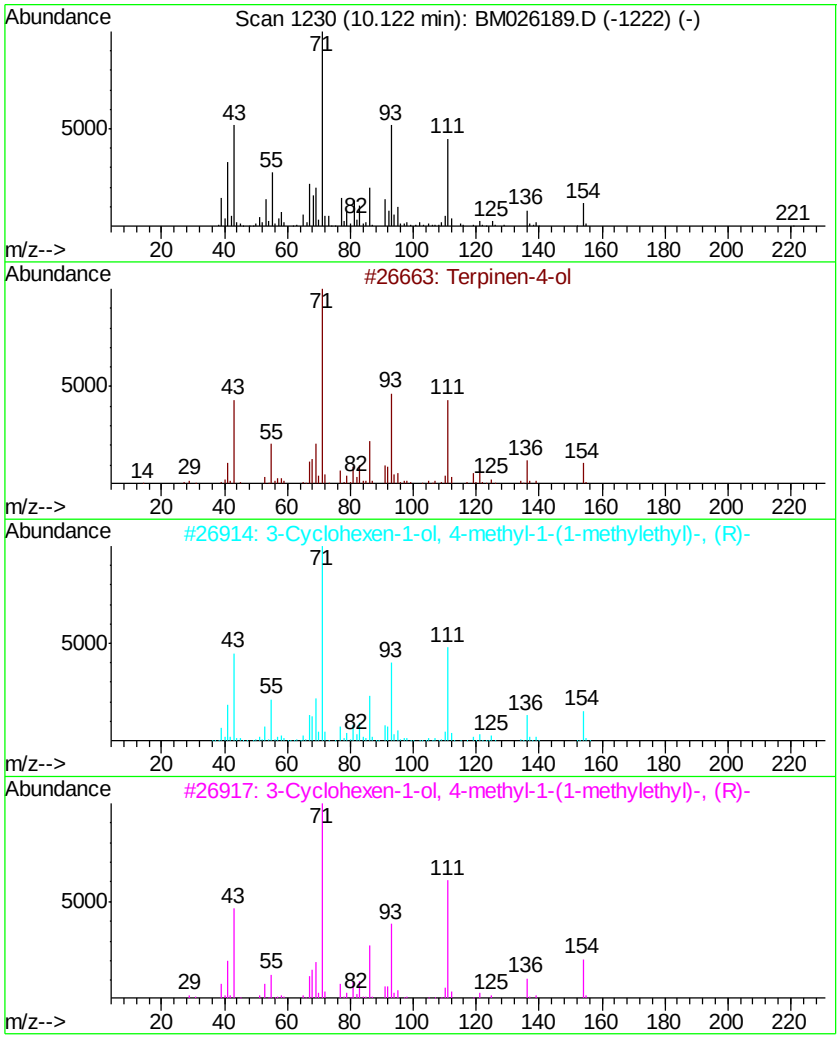
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

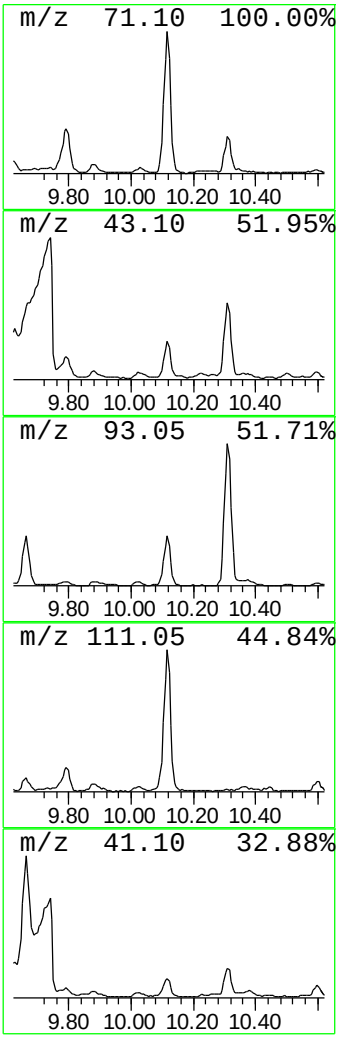
**********

Peak Number 19 Terpinen-4-ol Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.12 | 11.11 ng/ul | 767488 | Naphthalene-d8 | 10.23 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Terpinen-4-ol | 154 | C10H18O | 000562-74-3 | 93 |
| 2 | 3-Cyclohexen-1-ol, 4-methyl-1-(1... | 154 | C10H18O | 020126-76-5 | 90 |
| 3 | 3-Cyclohexen-1-ol, 4-methyl-1-(1... | 154 | C10H18O | 020126-76-5 | 81 |
| 4 | Terpinen-4-ol | 154 | C10H18O | 000562-74-3 | 81 |
| 5 | Terpinen-4-ol | 154 | C10H18O | 000562-74-3 | 60 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052920\
Data File : BM026189.D
Acq On : 30 May 2020 01:58
Operator : MA/SJ
Sample : L2820-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** CB644

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051320MA.M
Quant Title : SVOA CALIBRATION

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

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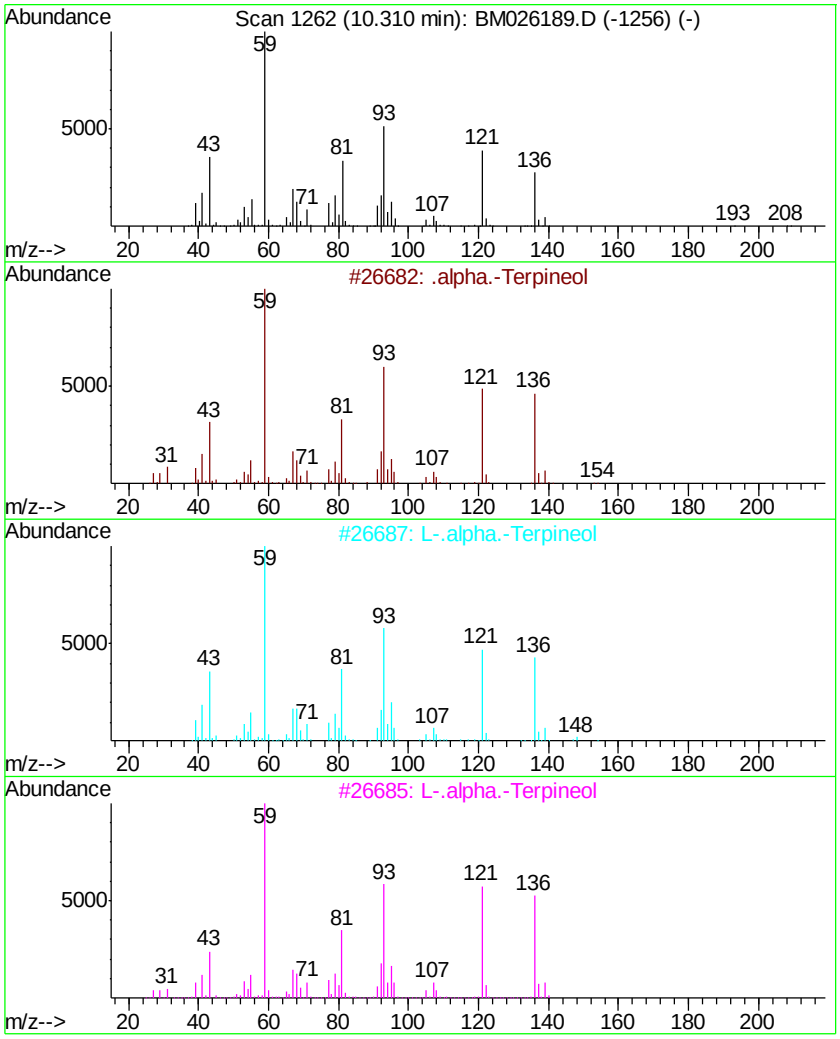
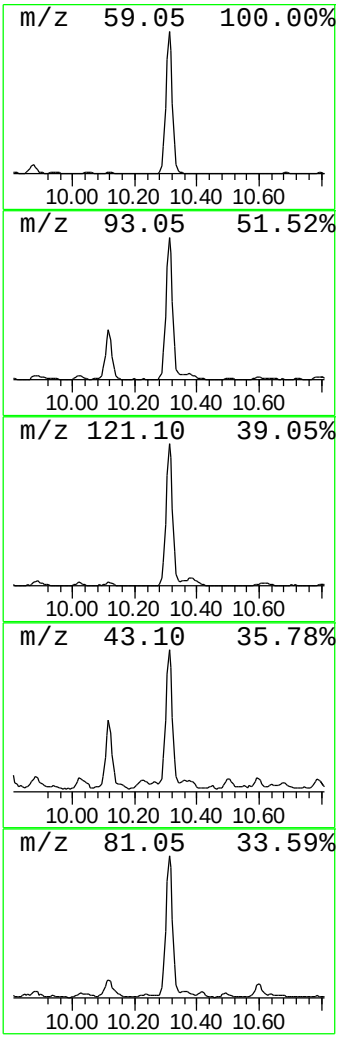
Peak Number 20 .alpha.-Terpineol Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.31 | 26.08 ng/ul | 1801470 | Naphthalene-d8 | 10.23 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | .alpha.-Terpineol | 154 | C10H18O | 000098-55-5 | 58 |
| 2 | L-.alpha.-Terpineol | 154 | C10H18O | 010482-56-1 | 47 |
| 3 | L-.alpha.-Terpineol | 154 | C10H18O | 010482-56-1 | 43 |
| 4 | Tricyclo[2.2.1.0(2,6)]heptane, 1... | 136 | C10H16 | 000508-32-7 | 42 |
| 5 | 2-Carene | 136 | C10H16 | 000554-61-0 | 38 |



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Data File : BM026189.D
Acq On : 30 May 2020 01:58
Operator : MA/SJ
Sample : L2820-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** CB644

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051320MA.M
Quant Title : SVOA CALIBRATION

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

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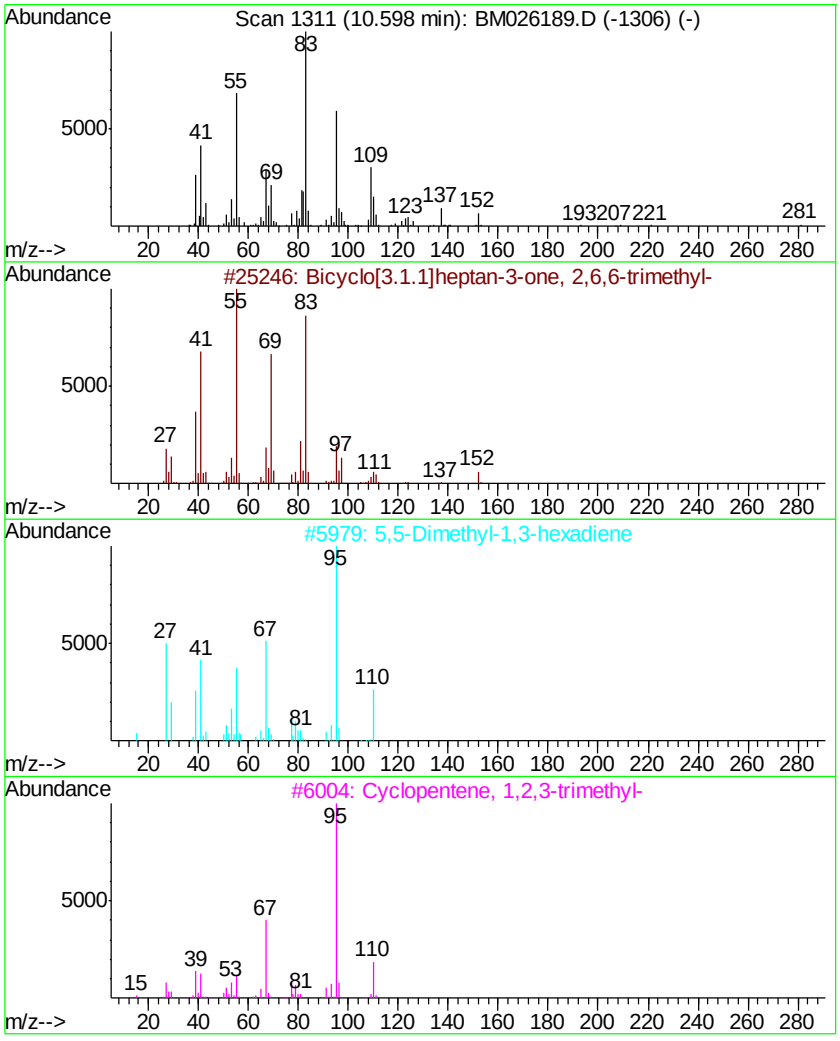
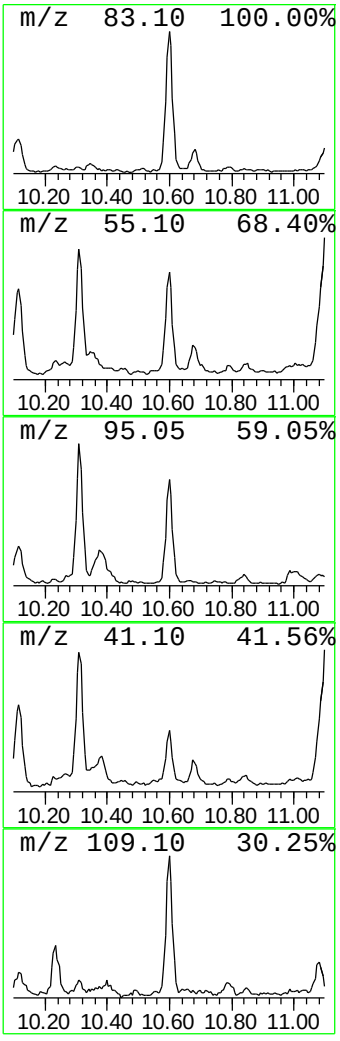
Peak Number 21 Bicyclo[3.1.1]heptan-3-one,... Concentration Rank 27

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.60 | 5.42 ng/ul | 374016 | Naphthalene-d8 | 10.23 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Bicyclo[3.1.1]heptan-3-one, 2,6,... | 152 | C10H16O | 018358-53-7 | 58 |
| 2 | 5,5-Dimethyl-1,3-hexadiene | 110 | C8H14 | 001515-79-3 | 38 |
| 3 | Cyclopentene, 1,2,3-trimethyl- | 110 | C8H14 | 000473-91-6 | 38 |
| 4 | 5,5-Dimethyl-1,3-hexadiene | 110 | C8H14 | 001515-79-3 | 38 |
| 5 | 1,4-Hexadiene, 2,3-dimethyl- | 110 | C8H14 | 018669-52-8 | 30 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052920\
Data File : BM026189.D
Acq On : 30 May 2020 01:58
Operator : MA/SJ
Sample : L2820-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** CB644

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051320MA.M
Quant Title : SVOA CALIBRATION

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

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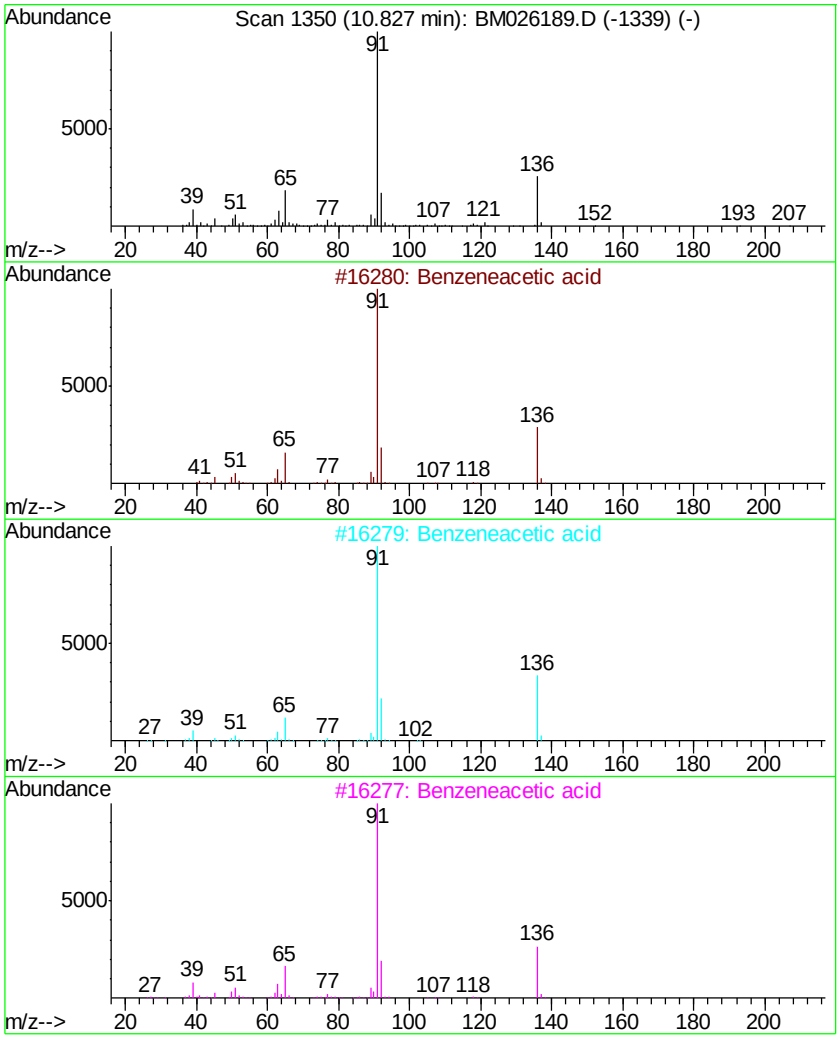
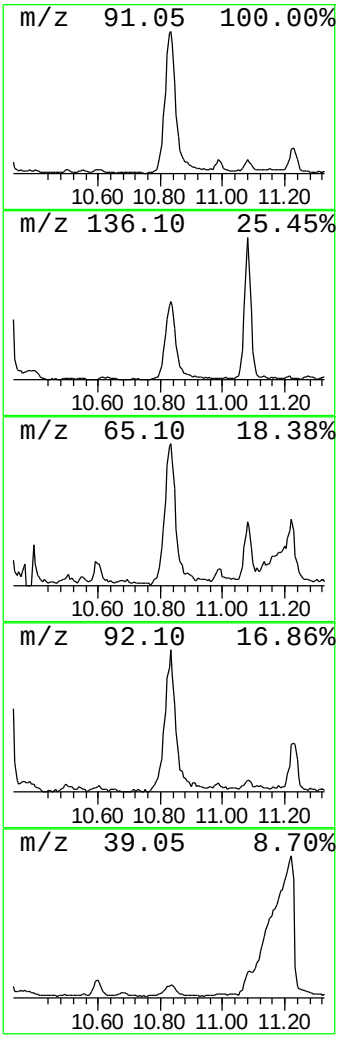
Peak Number 22 Benzeneacetic acid Concentration Rank 25

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.83 | 7.53 ng/ul | 520372 | Naphthalene-d8 | 10.23 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzeneacetic acid | 136 | C8H8O2 | 000103-82-2 | 93 |
| 2 | Benzeneacetic acid | 136 | C8H8O2 | 000103-82-2 | 90 |
| 3 | Benzeneacetic acid | 136 | C8H8O2 | 000103-82-2 | 90 |
| 4 | Propanedioic acid, phenyl- | 180 | C9H8O4 | 002613-89-0 | 86 |
| 5 | Benzene, (iodomethyl)- | 218 | C7H7I | 000620-05-3 | 50 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052920\
Data File : BM026189.D
Acq On : 30 May 2020 01:58
Operator : MA/SJ
Sample : L2820-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** CB644

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051320MA.M
Quant Title : SVOA CALIBRATION

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

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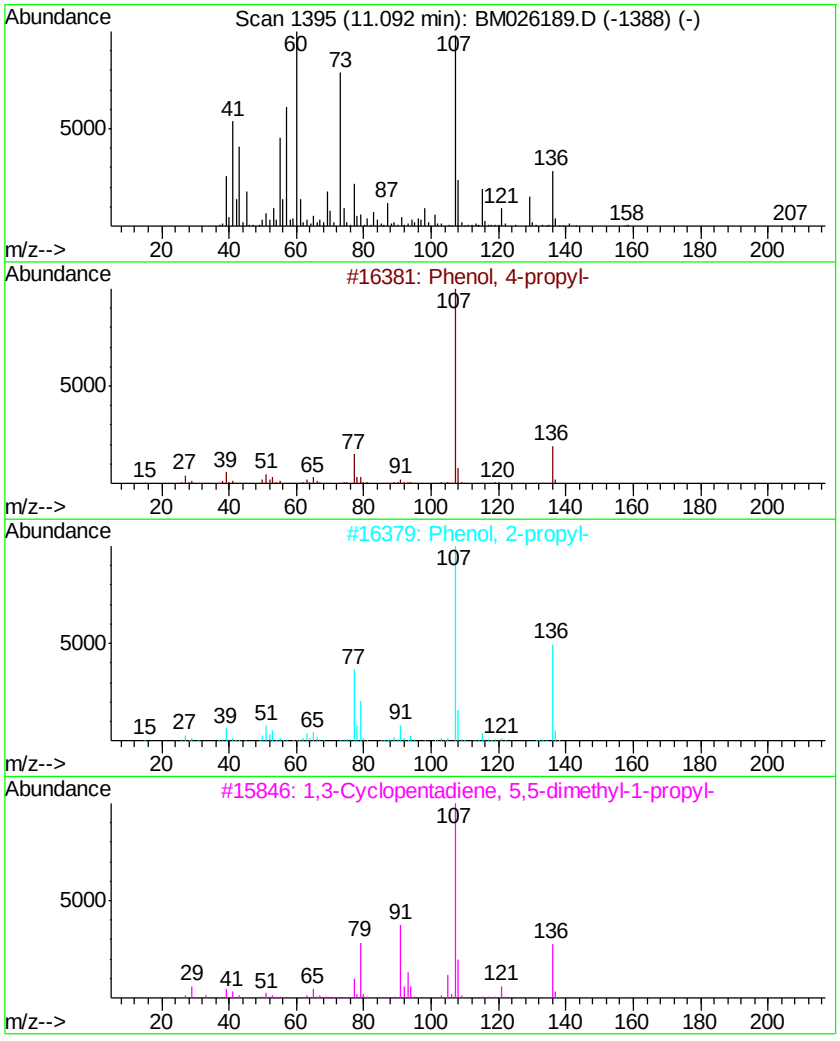
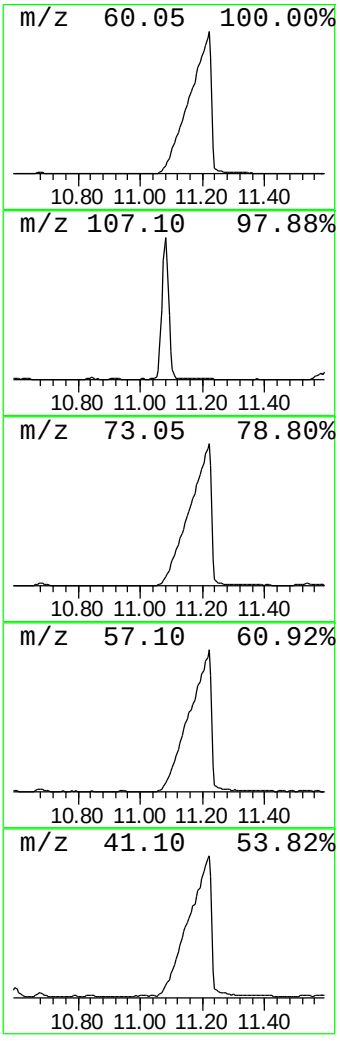
Peak Number 23 Phenol, 4-propyl- Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.09 | 11.35 ng/ul | 784221 | Naphthalene-d8 | 10.23 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 4-propyl- | 136 | C9H12O | 000645-56-7 | 55 |
| 2 | Phenol, 2-propyl- | 136 | C9H12O | 000644-35-9 | 50 |
| 3 | 1,3-Cyclopentadiene, 5,5-dimethy... | 136 | C10H16 | 1000163-57-1 | 49 |
| 4 | Phenol, 2-propyl- | 136 | C9H12O | 000644-35-9 | 49 |
| 5 | Phenol, 2-propyl- | 136 | C9H12O | 000644-35-9 | 49 |



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Data File : BM026189.D
Acq On : 30 May 2020 01:58
Operator : MA/SJ
Sample : L2820-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** CB644

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051320MA.M
Quant Title : SVOA CALIBRATION

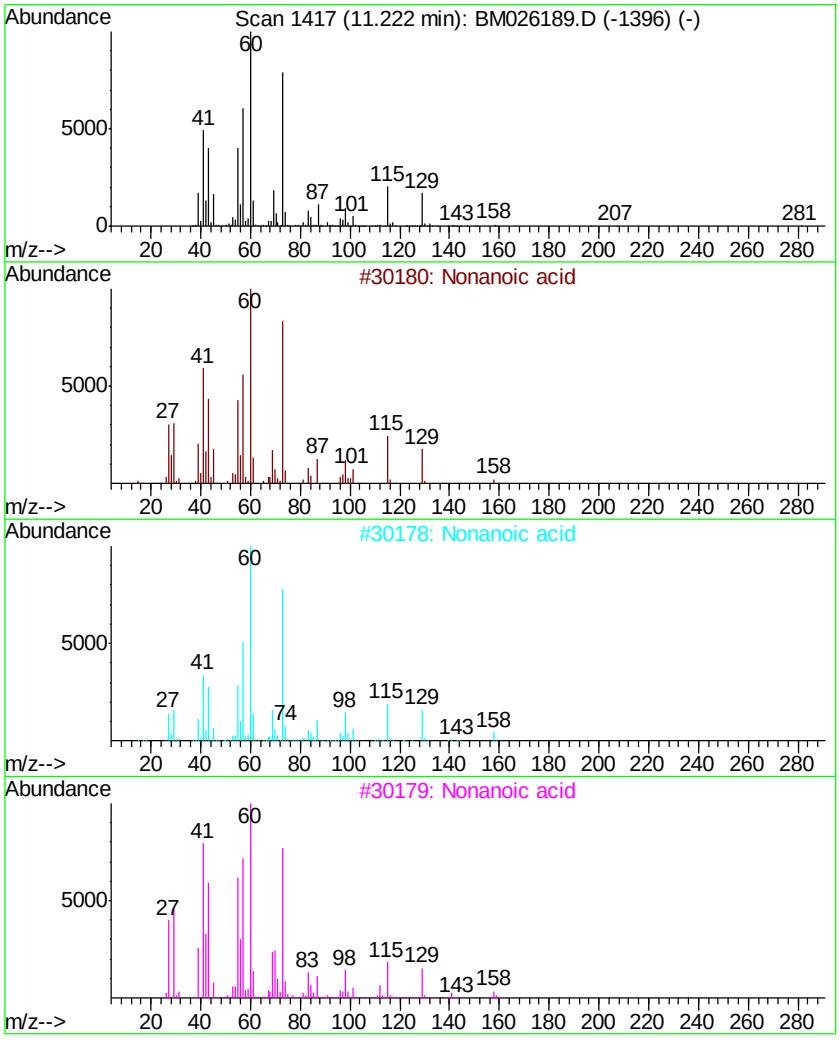
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

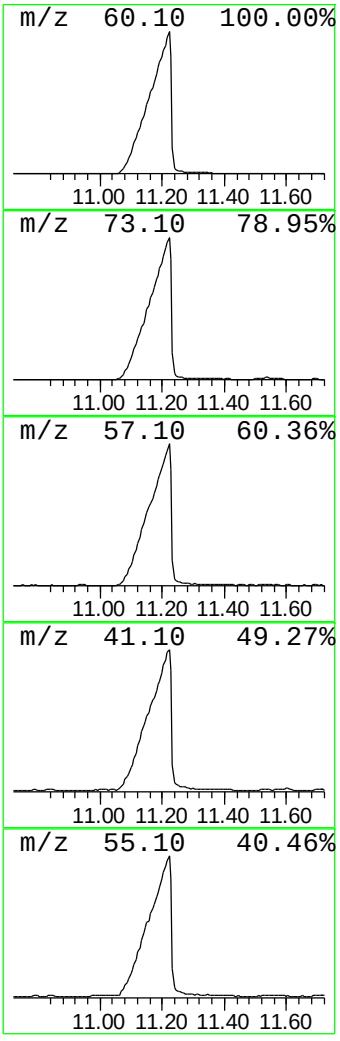
**********

Peak Number 24 Nonanoic acid Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.22 | 207.64 ng/ul | 14341500 | Naphthalene-d8 | 10.23 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Nonanoic acid | 158 | C9H18O2 | 000112-05-0 | 90 |
| 2 | Nonanoic acid | 158 | C9H18O2 | 000112-05-0 | 64 |
| 3 | Nonanoic acid | 158 | C9H18O2 | 000112-05-0 | 56 |
| 4 | Hexanoic acid | 116 | C6H12O2 | 000142-62-1 | 53 |
| 5 | Octanoic acid, silver(1+) salt | 250 | C8H15AgO2 | 024927-67-1 | 52 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052920\
Data File : BM026189.D
Acq On : 30 May 2020 01:58
Operator : MA/SJ
Sample : L2820-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** CB644

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051320MA.M
Quant Title : SVOA CALIBRATION

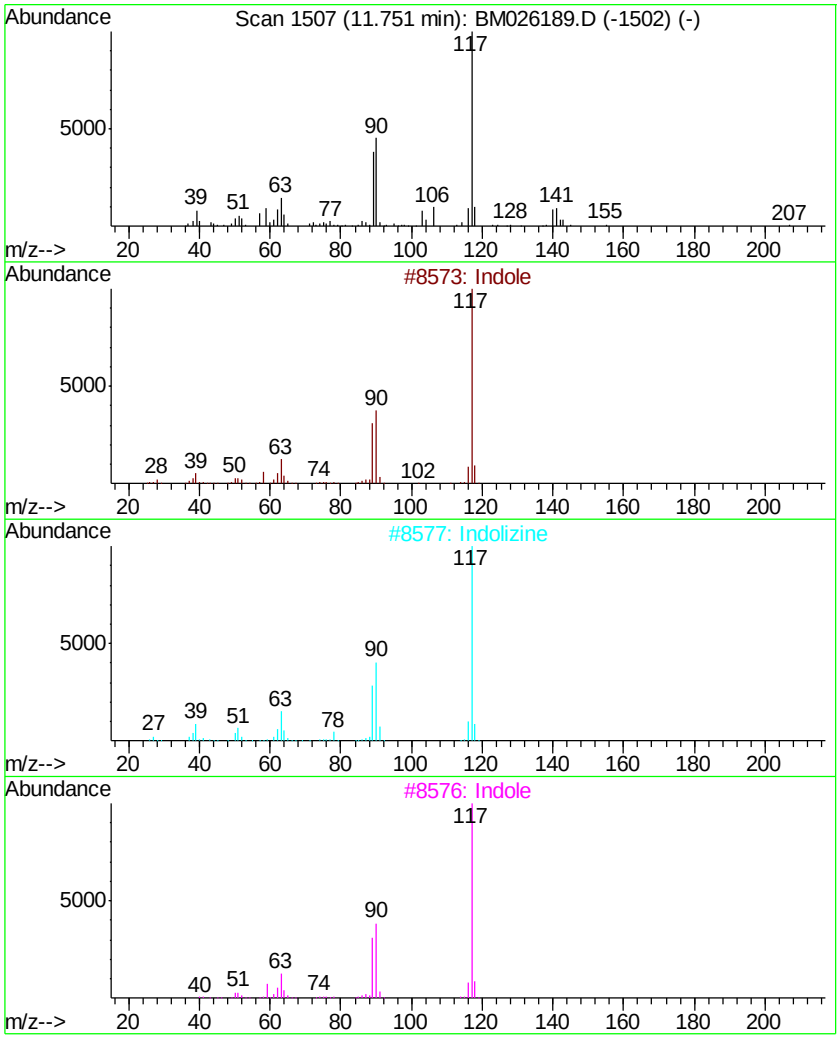
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

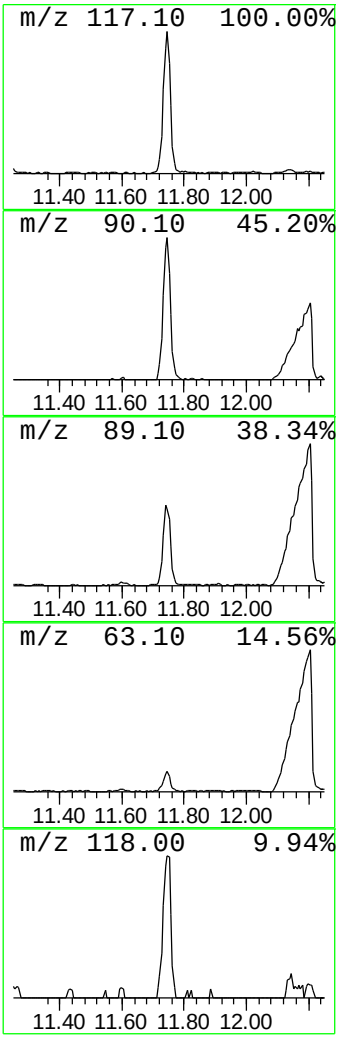
**********

Peak Number 25 Indole Concentration Rank 35

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.75 | 3.33 ng/ul | 230218 | Naphthalene-d8 | 10.23 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indole | 117 | C8H7N | 000120-72-9 | 91 |
| 2 | Indolizine | 117 | C8H7N | 000274-40-8 | 87 |
| 3 | Indole | 117 | C8H7N | 000120-72-9 | 87 |
| 4 | 5H-1-Pyrindine | 117 | C8H7N | 000270-91-7 | 87 |
| 5 | Indole | 117 | C8H7N | 000120-72-9 | 87 |



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Data File : BM026189.D
Acq On : 30 May 2020 01:58
Operator : MA/SJ
Sample : L2820-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** CB644

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051320MA.M
Quant Title : SVOA CALIBRATION

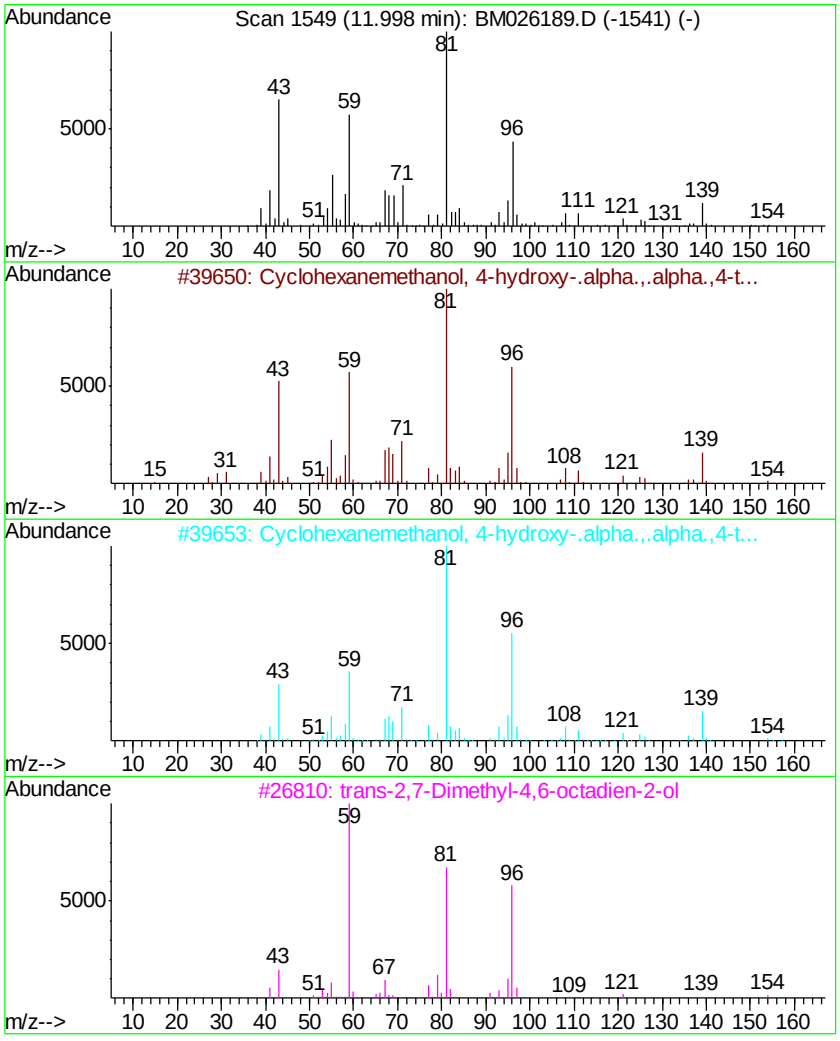
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

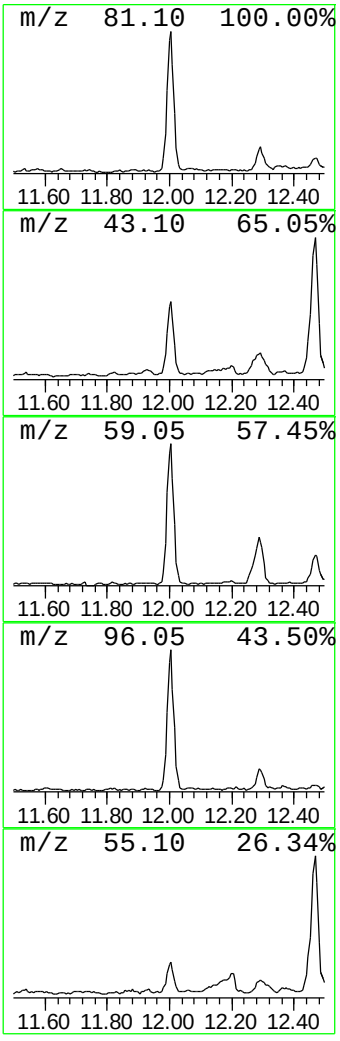
**********

Peak Number 26 Cyclohexanemethanol, 4-hydr... Concentration Rank 22

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.00 | 8.69 ng/ul | 600356 | Naphthalene-d8 | 10.23 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexanemethanol, 4-hydroxy-.... | 172 | C10H20O2 | 000080-53-5 | 91 |
| 2 | Cyclohexanemethanol, 4-hydroxy-.... | 172 | C10H20O2 | 000080-53-5 | 90 |
| 3 | trans-2,7-Dimethyl-4,6-octadien-... | 154 | C10H18O | 1000281-69-5 | 59 |
| 4 | Cyclohexene, 3-methyl- | 96 | C7H12 | 000591-48-0 | 53 |
| 5 | Cyclohexene, 4-methyl- | 96 | C7H12 | 000591-47-9 | 53 |



# Library Search Compound Report

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Data File : BM026189.D
Acq On : 30 May 2020 01:58
Operator : MA/SJ
Sample : L2820-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** CB644

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051320MA.M
Quant Title : SVOA CALIBRATION

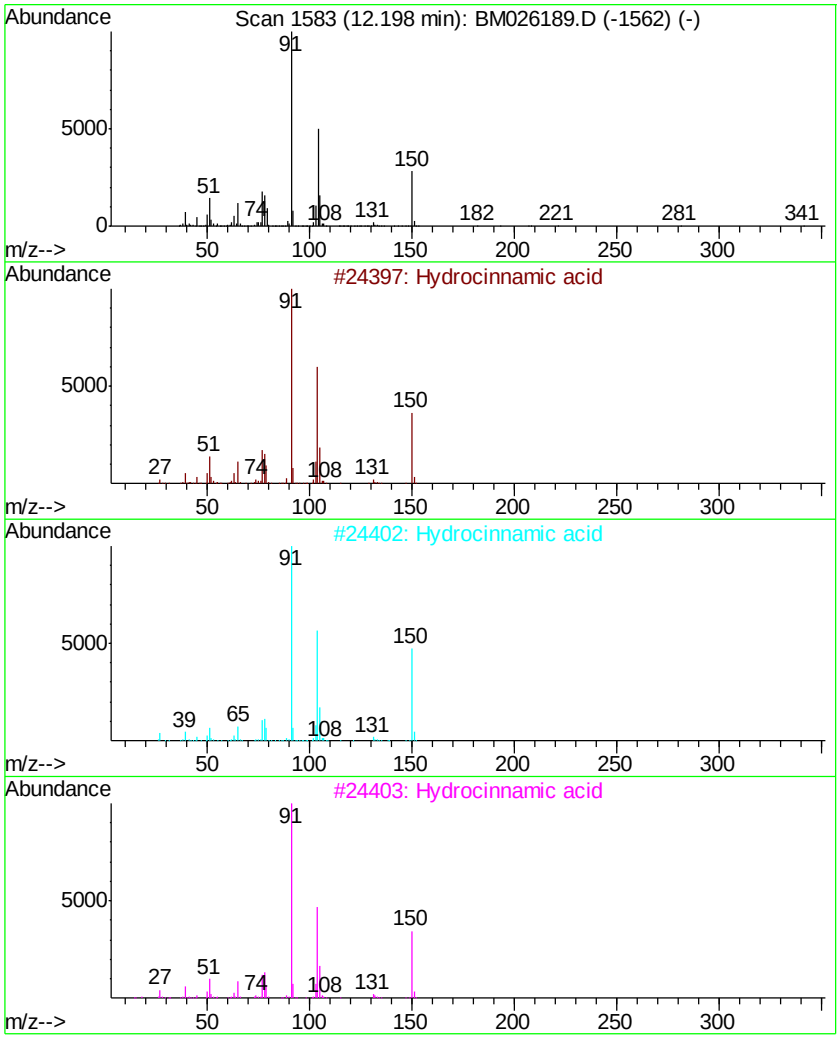
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

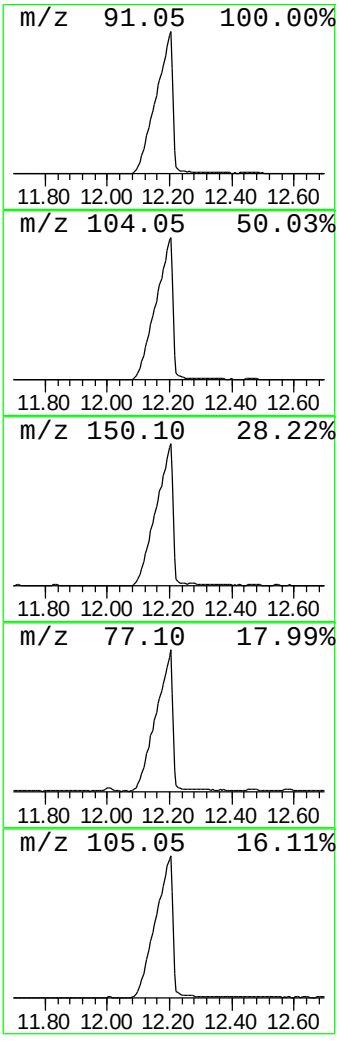
**********

Peak Number 27 Hydrocinnamic acid Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.20 | 90.04 ng/ul | 11157700 | Acenaphthene-d10 | 14.12 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hydrocinnamic acid | 150 | C9H10O2 | 000501-52-0 | 96 |
| 2 | Hydrocinnamic acid | 150 | C9H10O2 | 000501-52-0 | 93 |
| 3 | Hydrocinnamic acid | 150 | C9H10O2 | 000501-52-0 | 91 |
| 4 | 4-Nitrosophenyl-.beta.-phenylpro... | 255 | C15H13NO3 | 1000129-40-0 | 91 |
| 5 | Hydrocinnamic acid | 150 | C9H10O2 | 000501-52-0 | 87 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052920\
Data File : BM026189.D
Acq On : 30 May 2020 01:58
Operator : MA/SJ
Sample : L2820-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** CB644

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051320MA.M
Quant Title : SVOA CALIBRATION

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

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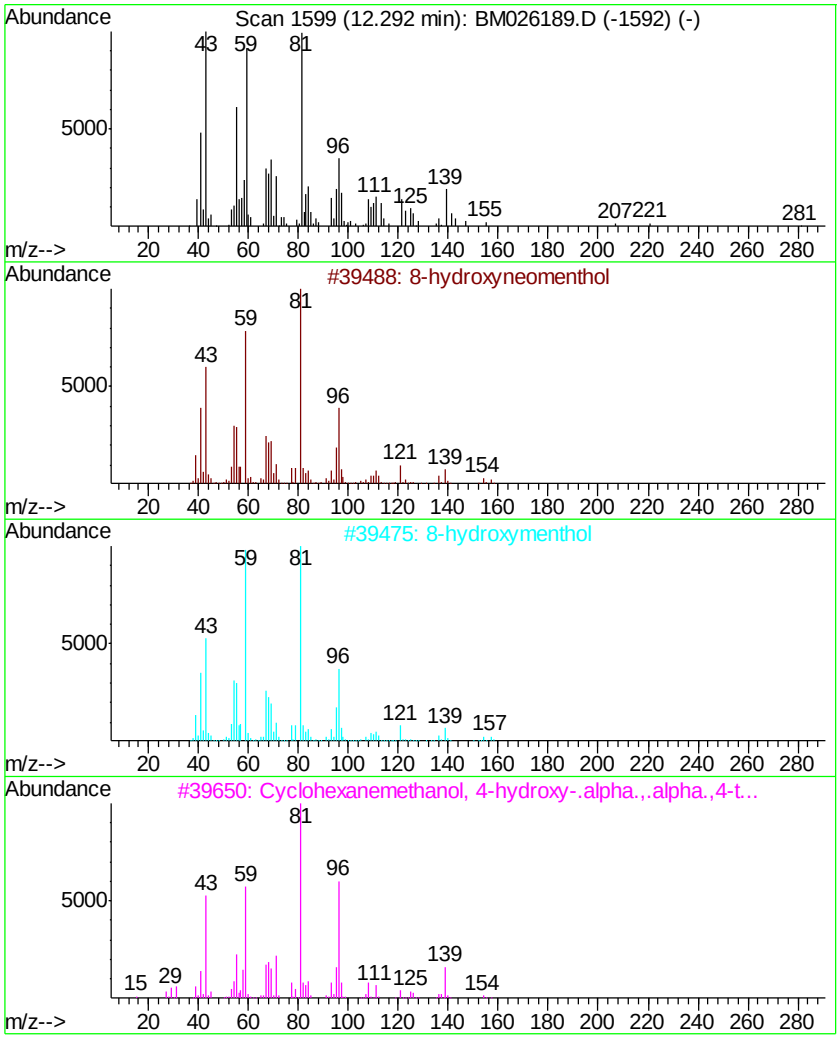
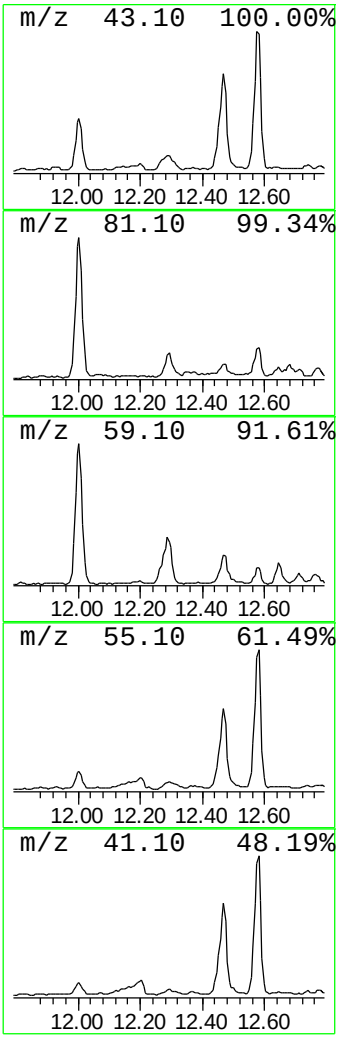
Peak Number 28 8-hydroxyneomenthol Concentration Rank 41

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.29 | 2.76 ng/ul | 342515 | Acenaphthene-d10 | 14.12 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 8-hydroxyneomenthol | 172 | C10H20O2 | 1000374-16-1 | 78 |
| 2 | 8-hydroxymenthol | 172 | C10H20O2 | 1000374-16-2 | 78 |
| 3 | Cyclohexanemethanol, 4-hydroxy-.... | 172 | C10H20O2 | 000080-53-5 | 59 |
| 4 | 2,4-Dimethyl-1-hepten-4-ol | 142 | C9H18O | 019549-94-1 | 47 |
| 5 | Cyclohexene, 3-nonyl- | 208 | C15H28 | 015232-79-8 | 38 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052920\
Data File : BM026189.D
Acq On : 30 May 2020 01:58
Operator : MA/SJ
Sample : L2820-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** CB644

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051320MA.M
Quant Title : SVOA CALIBRATION

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

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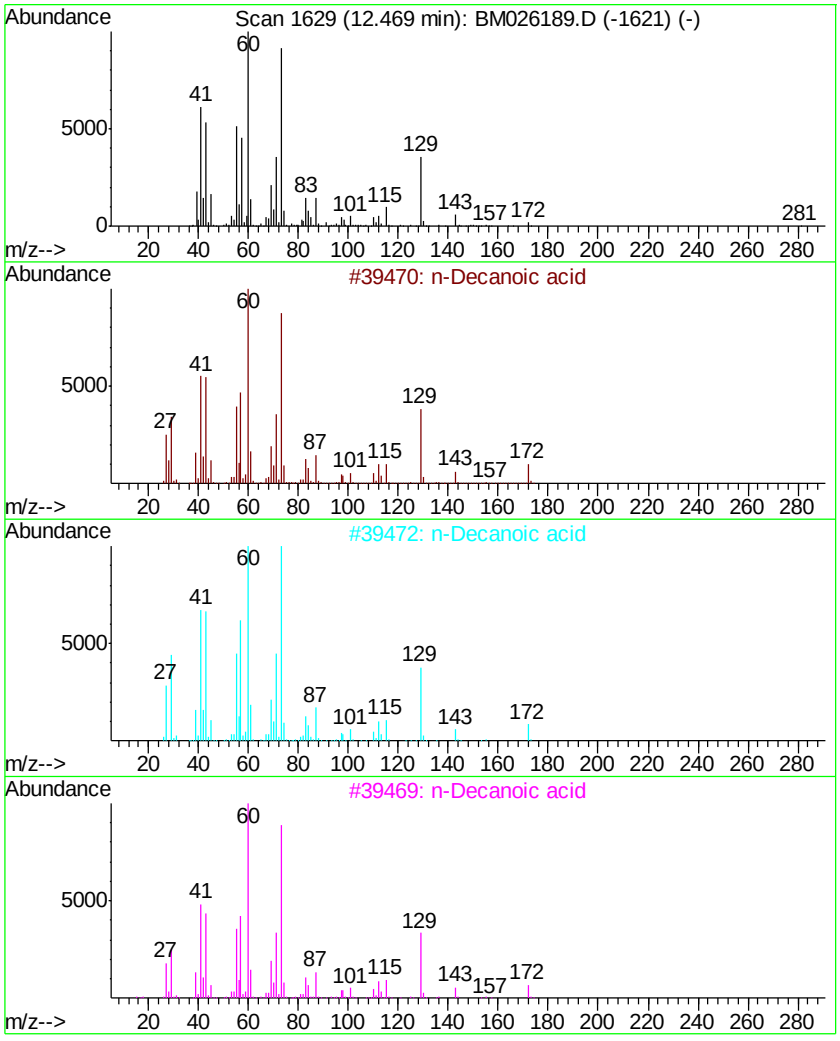
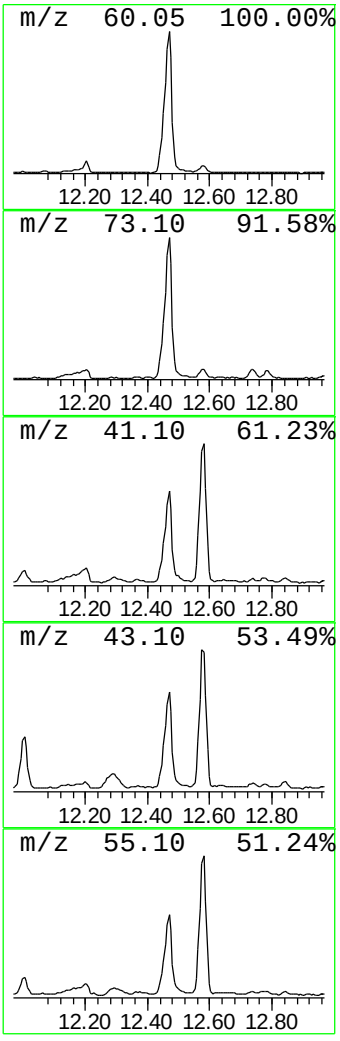
Peak Number 29 n-Decanoic acid Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.47 | 13.97 ng/ul | 1731540 | Acenaphthene-d10 | 14.12 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 90 |
| 2 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 90 |
| 3 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 90 |
| 4 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 72 |
| 5 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 58 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052920\
Data File : BM026189.D
Acq On : 30 May 2020 01:58
Operator : MA/SJ
Sample : L2820-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** CB644

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051320MA.M
Quant Title : SVOA CALIBRATION

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

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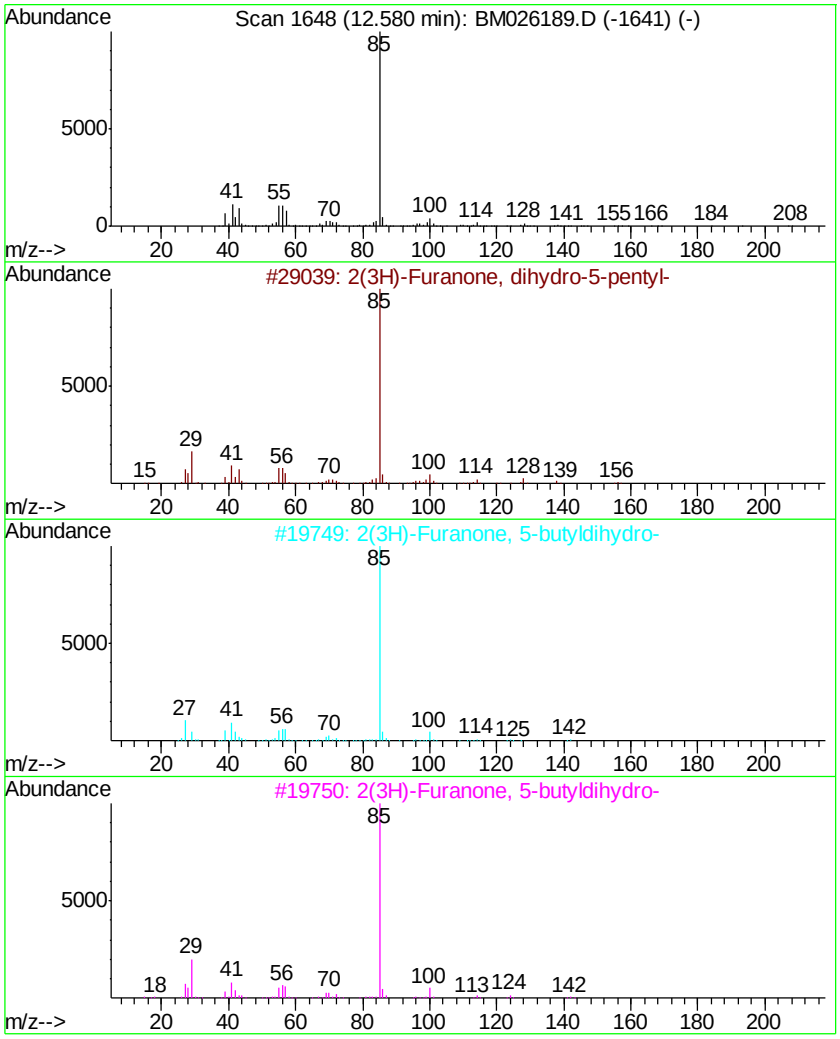
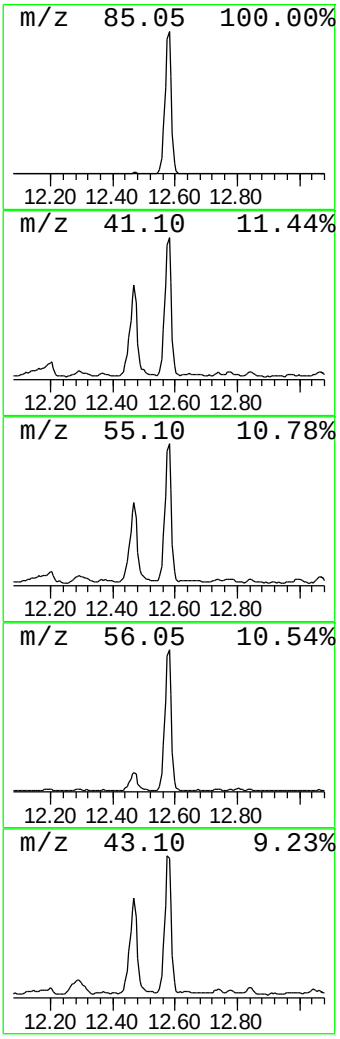
Peak Number 30 2(3H)-Furanone, dihydro-5-p... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.58 | 27.55 ng/ul | 3413870 | Acenaphthene-d10 | 14.12 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2(3H)-Furanone, dihydro-5-pentyl- | 156 | C9H16O2 | 000104-61-0 | 83 |
| 2 | 2(3H)-Furanone, 5-butyldihydro- | 142 | C8H14O2 | 000104-50-7 | 78 |
| 3 | 2(3H)-Furanone, 5-butyldihydro- | 142 | C8H14O2 | 000104-50-7 | 78 |
| 4 | 2(3H)-Furanone, dihydro-5-pentyl- | 156 | C9H16O2 | 000104-61-0 | 78 |
| 5 | 2(3H)-Furanone, dihydro-5-pentyl- | 156 | C9H16O2 | 000104-61-0 | 78 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052920\
Data File : BM026189.D
Acq On : 30 May 2020 01:58
Operator : MA/SJ
Sample : L2820-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** CB644

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051320MA.M
Quant Title : SVOA CALIBRATION

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

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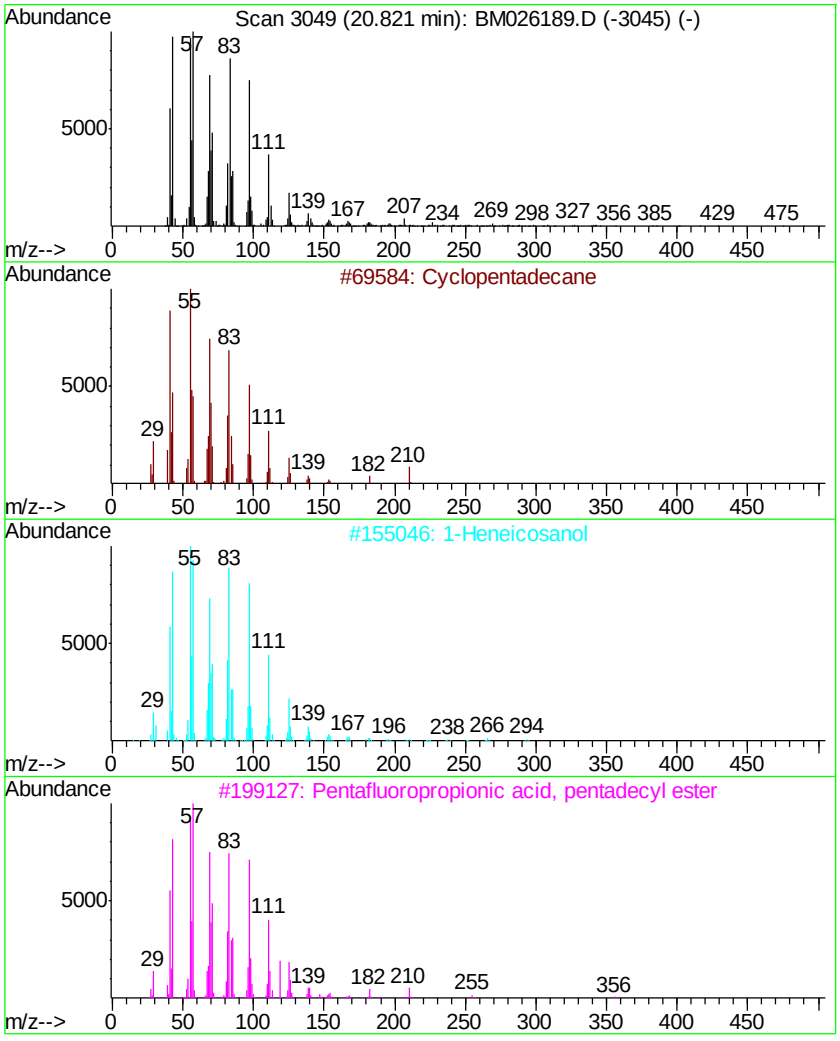
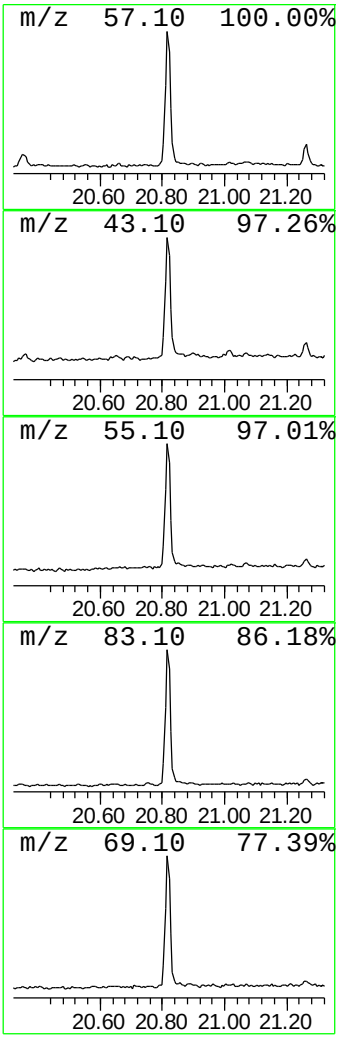
Peak Number 47 (DEL) Alkane: Cyclic20.82 Concentration Rank 24

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.82 | 7.68 ng/ul | 927577 | Chrysene-d12 | 21.07 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentadecane | 210 | C15H30 | 000295-48-7 | 94 |
| 2 | 1-Heneicosanol | 312 | C21H44O | 015594-90-8 | 94 |
| 3 | Pentafluoropropionic acid, penta... | 374 | C18H31F5O2 | 959092-08-1 | 94 |
| 4 | Bromoacetic acid, octadecyl ester | 390 | C20H39BrO2 | 018992-03-5 | 94 |
| 5 | Trifluoroacetoxy hexadecane | 338 | C18H33F3O2 | 006222-03-3 | 93 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM052920\
Data File : BM026189.D
Acq On : 30 May 2020 01:58
Operator : MA/SJ
Sample : L2820-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** CB644

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051320MA.M
Quant Title : SVOA 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 |
| Propanoic acid, 2... | 3.41 | 19.2 | ng/ul | 936796 | 1 | 7.47 | 973630 | 20.0 |
| Butanoic acid | 3.81 | 55.2 | ng/ul | 2685640 | 1 | 7.47 | 973630 | 20.0 |
| Butanoic acid, 3-... | 4.47 | 10.0 | ng/ul | 485595 | 1 | 7.47 | 973630 | 20.0 |
| Butanoic acid, 2-... | 4.62 | 6.6 | ng/ul | 319391 | 1 | 7.47 | 973630 | 20.0 |
| Pentanoic acid | 5.12 | 31.3 | ng/ul | 1522860 | 1 | 7.47 | 973630 | 20.0 |
| 2-Heptanone | 5.37 | 2.7 | ng/ul | 132853 | 1 | 7.47 | 973630 | 20.0 |
| Pentanoic acid, 4... | 6.09 | 9.4 | ng/ul | 455721 | 1 | 7.47 | 973630 | 20.0 |
| (1R)-2,6,6-Trimet... | 6.18 | 5.2 | ng/ul | 250726 | 1 | 7.47 | 973630 | 20.0 |
| 3-Octanone | 6.89 | 3.1 | ng/ul | 148795 | 1 | 7.47 | 973630 | 20.0 |
| o-Cymene | 7.62 | 29.2 | ng/ul | 1419480 | 1 | 7.47 | 973630 | 20.0 |
| unknown-01 | 7.72 | 2.5 | ng/ul | 121025 | 1 | 7.47 | 973630 | 20.0 |
| 2(3H)-Furanone, 5... | 8.02 | 8.1 | ng/ul | 394537 | 1 | 7.47 | 973630 | 20.0 |
| Benzenamine, 3-me... | 8.46 | 3.6 | ng/ul | 174253 | 1 | 7.47 | 973630 | 20.0 |
| Bicyclo[2.2.1]hep... | 8.71 | 27.8 | ng/ul | 1352390 | 1 | 7.47 | 973630 | 20.0 |
| Cyclohexanemethan... | 9.63 | 20.4 | ng/ul | 1411020 | 2 | 10.23 | 1381390 | 20.0 |
| Bicyclo[2.2.1]hep... | 9.66 | 36.1 | ng/ul | 2491250 | 2 | 10.23 | 1381390 | 20.0 |
| unknown-02 | 9.79 | 4.6 | ng/ul | 316500 | 2 | 10.23 | 1381390 | 20.0 |
| endo-Borneol | 10.02 | 3.0 | ng/ul | 204218 | 2 | 10.23 | 1381390 | 20.0 |
| Terpinen-4-ol | 10.12 | 11.1 | ng/ul | 767488 | 2 | 10.23 | 1381390 | 20.0 |
| .alpha.-Terpineol | 10.31 | 26.1 | ng/ul | 1801470 | 2 | 10.23 | 1381390 | 20.0 |
| Bicyclo[3.1.1]hep... | 10.60 | 5.4 | ng/ul | 374016 | 2 | 10.23 | 1381390 | 20.0 |
| Benzeneacetic acid | 10.83 | 7.5 | ng/ul | 520372 | 2 | 10.23 | 1381390 | 20.0 |
| Phenol, 4-propyl- | 11.09 | 11.4 | ng/ul | 784221 | 2 | 10.23 | 1381390 | 20.0 |
| Nonanoic acid | 11.22 | 207.6 | ng/ul | 14341500 | 2 | 10.23 | 1381390 | 20.0 |
| Indole | 11.75 | 3.3 | ng/ul | 230218 | 2 | 10.23 | 1381390 | 20.0 |
| Cyclohexanemethan... | 12.00 | 8.7 | ng/ul | 600356 | 2 | 10.23 | 1381390 | 20.0 |
| Hydrocinnamic acid | 12.20 | 90.0 | ng/ul | 11157700 | 3 | 14.12 | 2478500 | 20.0 |
| 8-hydroxyneomenthol | 12.29 | 2.8 | ng/ul | 342515 | 3 | 14.12 | 2478500 | 20.0 |
| n-Decanoic acid | 12.47 | 14.0 | ng/ul | 1731540 | 3 | 14.12 | 2478500 | 20.0 |
| 2(3H)-Furanone, d... | 12.58 | 27.6 | ng/ul | 3413870 | 3 | 14.12 | 2478500 | 20.0 |
| (DEL) Alkane: Cyc... | 20.82 | 7.7 | ng/ul | 927577 | 5 | 21.07 | 2414680 | 20.0 |