LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082520\
Data File : BM027236.D
Acq On : 26 Aug 2020 05:49
Operator : JU/CG
Sample : L3613-06
Misc :
ALS Vial : 29 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** DBFQ4

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-BM082520MA.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 | 3.157 | 26 | 29 | 39 | rVB | 34625 | 48890 | 1.05% | 0.093% |
| 2 | 3.422 | 70 | 74 | 83 | rBV | 33041 | 54538 | 1.17% | 0.103% |
| 3 | 3.793 | 133 | 137 | 139 | rVB3 | 6371 | 8631 | 0.19% | 0.016% |
| 4 | 3.869 | 146 | 150 | 155 | rVB2 | 7316 | 10675 | 0.23% | 0.020% |
| 5 | 4.093 | 182 | 188 | 192 | rBV9 | 4343 | 7232 | 0.16% | 0.014% |
| 6 | 4.763 | 298 | 302 | 307 | rBV | 6296 | 10678 | 0.23% | 0.020% |
| 7 | 6.628 | 614 | 619 | 624 | rBV7 | 7361 | 11774 | 0.25% | 0.022% |
| 8 | 6.781 | 638 | 645 | 657 | rBV | 757527 | 1216831 | 26.19% | 2.306% |
| 9 | 6.940 | 665 | 672 | 683 | rVB | 597782 | 907713 | 19.54% | 1.720% |
| 10 | 7.134 | 697 | 705 | 713 | rBV | 799715 | 1244936 | 26.80% | 2.359% |
| 11 | 7.210 | 713 | 718 | 732 | rVV | 387921 | 571862 | 12.31% | 1.084% |
| 12 | 7.540 | 769 | 774 | 777 | rBV5 | 5480 | 8758 | 0.19% | 0.017% |
| 13 | 7.598 | 777 | 784 | 791 | rVV | 617536 | 958692 | 20.63% | 1.817% |
| 14 | 7.669 | 793 | 796 | 801 | rBV3 | 4152 | 6544 | 0.14% | 0.012% |
| 15 | 7.828 | 819 | 823 | 826 | rBV4 | 4204 | 6791 | 0.15% | 0.013% |
| 16 | 8.304 | 897 | 904 | 917 | rBV | 978369 | 1505077 | 32.40% | 2.852% |
| 17 | 8.739 | 971 | 978 | 986 | rBV | 764980 | 1205125 | 25.94% | 2.284% |
| 18 | 8.881 | 999 | 1002 | 1006 | rBV4 | 4750 | 5651 | 0.12% | 0.011% |
| 19 | 8.928 | 1006 | 1010 | 1014 | rVB5 | 5425 | 8258 | 0.18% | 0.016% |
| 20 | 9.216 | 1055 | 1059 | 1067 | rVB2 | 6267 | 9217 | 0.20% | 0.017% |
| 21 | 9.457 | 1092 | 1100 | 1111 | rBV | 657592 | 1068407 | 23.00% | 2.025% |
| 22 | 9.992 | 1182 | 1191 | 1205 | rBV | 1014360 | 1700433 | 36.60% | 3.223% |
| 23 | 10.133 | 1211 | 1215 | 1218 | rBV3 | 3522 | 6449 | 0.14% | 0.012% |
| 24 | 10.186 | 1218 | 1224 | 1226 | rVV5 | 4207 | 8015 | 0.17% | 0.015% |
| 25 | 10.363 | 1248 | 1254 | 1262 | rBV | 835431 | 1384412 | 29.80% | 2.624% |
| 26 | 10.504 | 1270 | 1278 | 1289 | rBV | 898006 | 1528748 | 32.90% | 2.897% |
| 27 | 10.575 | 1289 | 1290 | 1300 | rVB8 | 3726 | 8107 | 0.17% | 0.015% |
| 28 | 10.875 | 1336 | 1341 | 1348 | rBV7 | 7495 | 15644 | 0.34% | 0.030% |
| 29 | 11.192 | 1389 | 1395 | 1401 | rBV5 | 3102 | 5917 | 0.13% | 0.011% |
| 30 | 11.963 | 1520 | 1526 | 1533 | rBV | 15065 | 25639 | 0.55% | 0.049% |
| 31 | 12.604 | 1629 | 1635 | 1642 | rVB6 | 5028 | 11041 | 0.24% | 0.021% |
| 32 | 12.851 | 1671 | 1677 | 1684 | rVB8 | 4533 | 8889 | 0.19% | 0.017% |
| 33 | 13.086 | 1713 | 1717 | 1721 | rVB5 | 3400 | 5034 | 0.11% | 0.010% |
| 34 | 13.157 | 1721 | 1729 | 1735 | rBV | 491291 | 766143 | 16.49% | 1.452% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082520\
Data File : BM027236.D
Acq On : 26 Aug 2020 05:49
Operator : JU/CG
Sample : L3613-06
Misc :
ALS Vial : 29 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** DBFQ4

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-BM082520MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 13.569 | 1795 | 1799 | 1803 | rVB5 | 5408 | 7981 | 0.17% | 0.015% |
| 36 | 13.651 | 1807 | 1813 | 1817 | rBV | 1760101 | 2482606 | 53.44% | 4.705% |
| 37 | 13.698 | 1817 | 1821 | 1828 | rVB | 1132460 | 1505933 | 32.41% | 2.854% |
| 38 | 13.927 | 1852 | 1860 | 1870 | rBV | 2013194 | 2960303 | 63.72% | 5.610% |
| 39 | 14.163 | 1898 | 1900 | 1905 | rVB5 | 3751 | 5215 | 0.11% | 0.010% |
| 40 | 14.233 | 1905 | 1912 | 1920 | rBV | 1374927 | 2049431 | 44.11% | 3.884% |
| 41 | 14.333 | 1923 | 1929 | 1932 | rVB6 | 3966 | 7336 | 0.16% | 0.014% |
| 42 | 14.439 | 1941 | 1947 | 1964 | rBV | 755700 | 1170491 | 25.19% | 2.218% |
| 43 | 14.568 | 1964 | 1969 | 1976 | rVB | 85237 | 128566 | 2.77% | 0.244% |
| 44 | 14.680 | 1981 | 1988 | 1993 | rVB7 | 5070 | 10504 | 0.23% | 0.020% |
| 45 | 15.068 | 2047 | 2054 | 2057 | rBV3 | 6348 | 10542 | 0.23% | 0.020% |
| 46 | 15.121 | 2057 | 2063 | 2066 | rVV3 | 4419 | 6483 | 0.14% | 0.012% |
| 47 | 15.186 | 2068 | 2074 | 2076 | rBV5 | 15621 | 20288 | 0.44% | 0.038% |
| 48 | 15.233 | 2076 | 2082 | 2091 | rVB | 2648315 | 3645798 | 78.47% | 6.910% |
| 49 | 15.357 | 2096 | 2103 | 2118 | rBV | 776408 | 1135294 | 24.44% | 2.152% |
| 50 | 15.474 | 2118 | 2123 | 2128 | rVB | 29974 | 45323 | 0.98% | 0.086% |
| 51 | 15.610 | 2141 | 2146 | 2151 | rVB7 | 3272 | 5899 | 0.13% | 0.011% |
| 52 | 15.810 | 2175 | 2180 | 2181 | rBV3 | 7595 | 11179 | 0.24% | 0.021% |
| 53 | 16.021 | 2211 | 2216 | 2222 | rVB6 | 11855 | 23386 | 0.50% | 0.044% |
| 54 | 16.151 | 2233 | 2238 | 2243 | rVB6 | 4977 | 8482 | 0.18% | 0.016% |
| 55 | 16.639 | 2316 | 2321 | 2323 | rBV5 | 3806 | 7121 | 0.15% | 0.013% |
| 56 | 16.668 | 2323 | 2326 | 2328 | rVB2 | 5510 | 5249 | 0.11% | 0.010% |
| 57 | 16.768 | 2339 | 2343 | 2348 | rBV5 | 7721 | 14874 | 0.32% | 0.028% |
| 58 | 16.980 | 2373 | 2379 | 2389 | rBV | 1859046 | 2508899 | 54.00% | 4.755% |
| 59 | 17.080 | 2389 | 2396 | 2405 | rBV | 2917864 | 3934767 | 84.69% | 7.457% |
| 60 | 17.180 | 2411 | 2413 | 2417 | rVB4 | 6263 | 7170 | 0.15% | 0.014% |
| 61 | 17.286 | 2427 | 2431 | 2434 | rBV4 | 3330 | 5340 | 0.11% | 0.010% |
| 62 | 17.392 | 2445 | 2449 | 2453 | rVB6 | 9195 | 13762 | 0.30% | 0.026% |
| 63 | 17.515 | 2465 | 2470 | 2473 | rBV6 | 4067 | 7692 | 0.17% | 0.015% |
| 64 | 17.904 | 2531 | 2536 | 2552 | rBV | 471164 | 719648 | 15.49% | 1.364% |
| 65 | 18.204 | 2583 | 2587 | 2590 | rBV6 | 13680 | 19145 | 0.41% | 0.036% |
| 66 | 18.574 | 2646 | 2650 | 2657 | rBV8 | 7696 | 14839 | 0.32% | 0.028% |
| 67 | 18.709 | 2671 | 2673 | 2679 | rVB7 | 5405 | 6974 | 0.15% | 0.013% |
| 68 | 18.768 | 2681 | 2683 | 2691 | rVV8 | 11883 | 15773 | 0.34% | 0.030% |
| 69 | 18.851 | 2693 | 2697 | 2702 | rVB6 | 17895 | 25837 | 0.56% | 0.049% |
| 70 | 19.015 | 2721 | 2725 | 2728 | rBV | 30618 | 42659 | 0.92% | 0.081% |
| 71 | 19.192 | 2751 | 2755 | 2762 | rBV | 130228 | 181201 | 3.90% | 0.343% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082520\
Data File : BM027236.D
Acq On : 26 Aug 2020 05:49
Operator : JU/CG
Sample : L3613-06
Misc :
ALS Vial : 29 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** DBFQ4

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-BM082520MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 19.262 | 2764 | 2767 | 2774 | rVB | 33284 | 54426 | 1.17% | 0.103% |
| 73 | 19.380 | 2781 | 2787 | 2793 | rVV | 3579280 | 4645998 | 100.00% | 8.805% |
| 74 | 19.427 | 2793 | 2795 | 2800 | rVB3 | 21171 | 20689 | 0.45% | 0.039% |
| 75 | 19.927 | 2876 | 2880 | 2883 | rBV4 | 33667 | 47430 | 1.02% | 0.090% |
| 76 | 20.327 | 2946 | 2948 | 2952 | rVB5 | 20408 | 21537 | 0.46% | 0.041% |
| 77 | 20.915 | 3044 | 3048 | 3057 | rBV | 1064634 | 1280382 | 27.56% | 2.427% |
| 78 | 21.180 | 3087 | 3093 | 3098 | rBV | 2314070 | 2941815 | 63.32% | 5.575% |
| 79 | 21.362 | 3121 | 3124 | 3127 | rBV3 | 56914 | 64041 | 1.38% | 0.121% |
| 80 | 23.221 | 3433 | 3440 | 3447 | rBV | 2204846 | 3784540 | 81.46% | 7.173% |
| 81 | 23.356 | 3457 | 3463 | 3473 | rVB | 1297640 | 2317408 | 49.88% | 4.392% |
| 82 | 23.915 | 3555 | 3558 | 3564 | rVB3 | 122737 | 199062 | 4.28% | 0.377% |
| 83 | 23.991 | 3568 | 3571 | 3577 | rVB3 | 166458 | 264420 | 5.69% | 0.501% |

Sum of corrected areas: 52764489

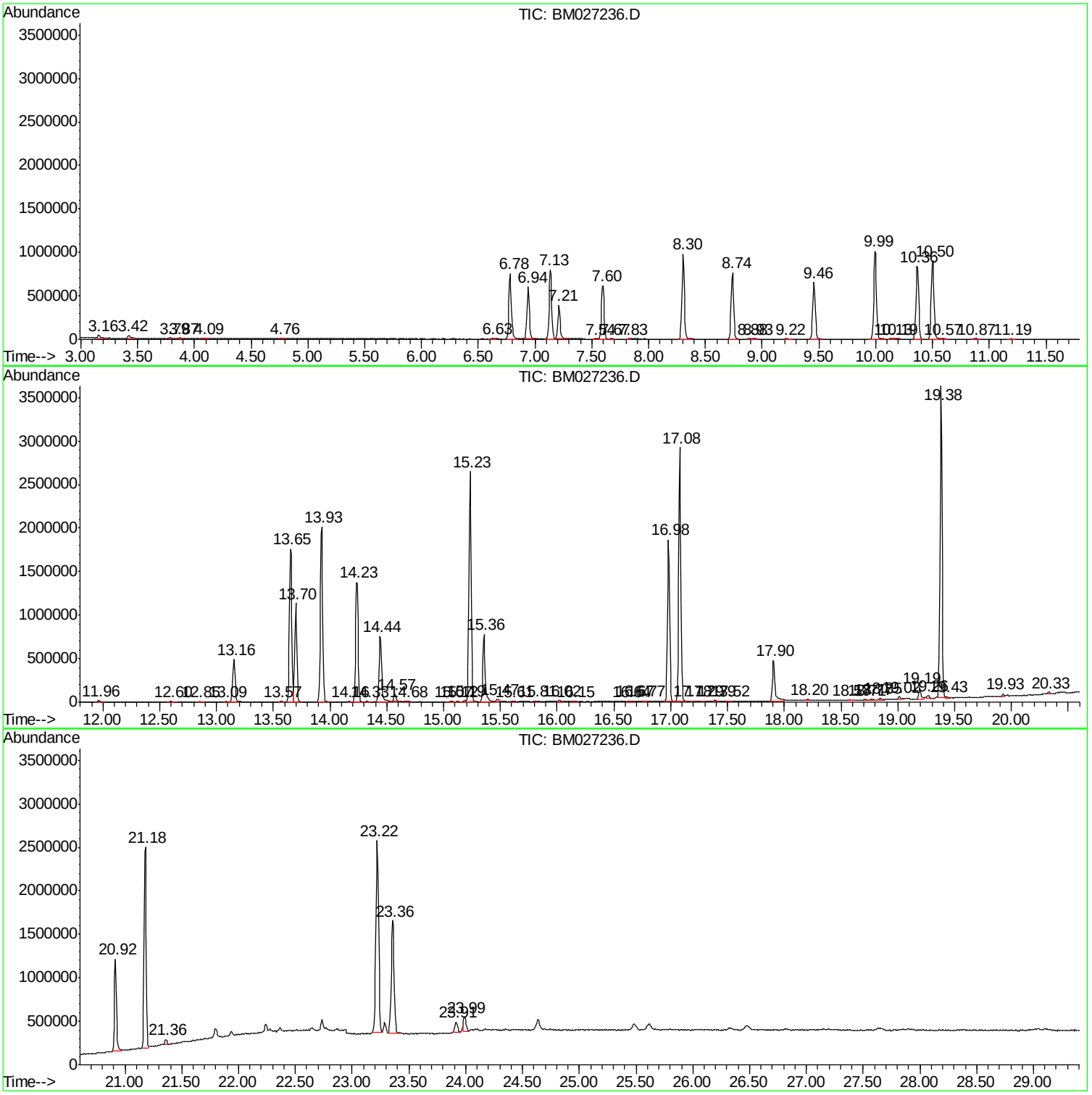
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082520\
Data File : BM027236.D
Acq On : 26 Aug 2020 05:49
Operator : JU/CG
Sample : L3613-06
Misc :
ALS Vial : 29 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** DBFQ4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082520MA.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082520\
Data File : BM027236.D
Acq On : 26 Aug 2020 05:49
Operator : JU/CG
Sample : L3613-06
Misc :
ALS Vial : 29 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** DBFQ4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082520MA.M
Quant Title : SVOA CALIBRATION

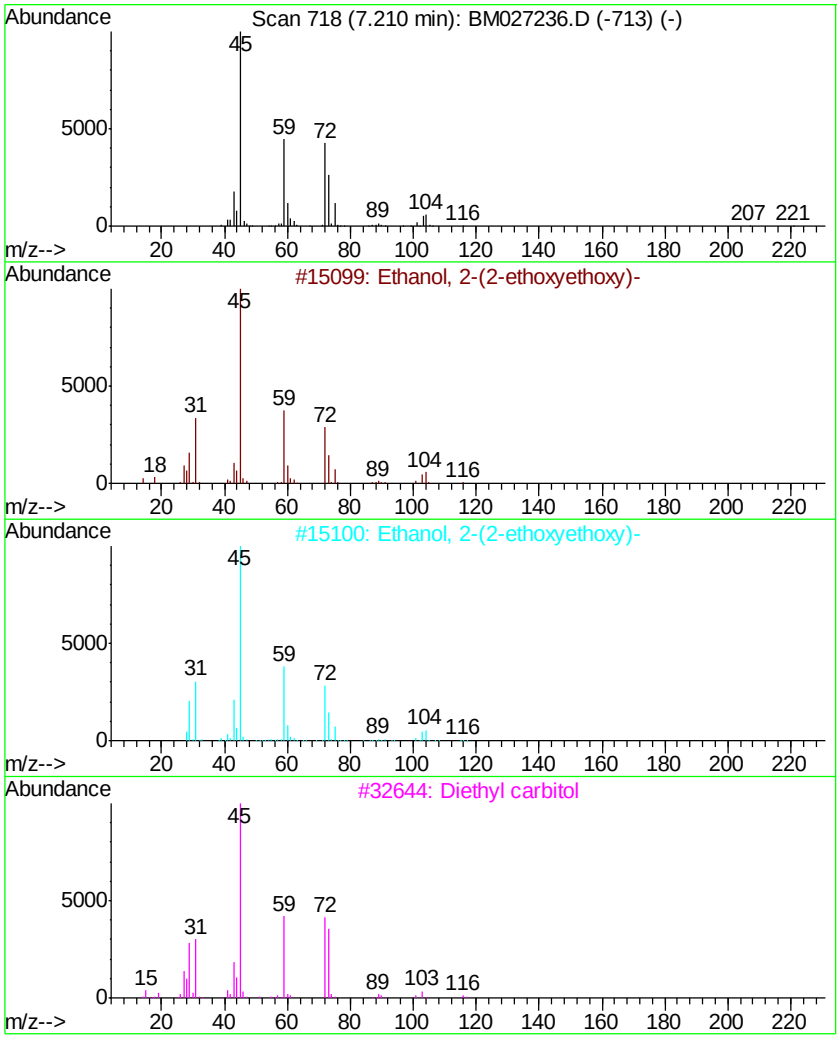
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

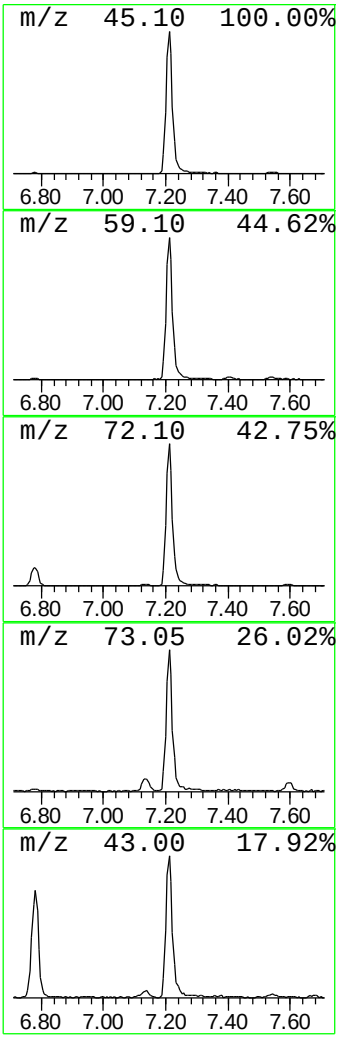
**********

Peak Number 1 Ethanol, 2-(2-ethoxyethoxy)- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.21 | 11.93 ng/ul | 571862 | 1,4-Dichlorobenzene-d4 | 7.60 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethanol, 2-(2-ethoxyethoxy)- | 134 | C6H14O3 | 000111-90-0 | 90 |
| 2 | Ethanol, 2-(2-ethoxyethoxy)- | 134 | C6H14O3 | 000111-90-0 | 90 |
| 3 | Diethyl carbitol | 162 | C8H18O3 | 000112-36-7 | 72 |
| 4 | Ethanol, 2-[2-(2-ethoxyethoxy)et... | 178 | C8H18O4 | 000112-50-5 | 72 |
| 5 | Ethanol, 2-(2-ethoxyethoxy)- | 134 | C6H14O3 | 000111-90-0 | 72 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082520\
Data File : BM027236.D
Acq On : 26 Aug 2020 05:49
Operator : JU/CG
Sample : L3613-06
Misc :
ALS Vial : 29 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** DBFQ4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082520MA.M
Quant Title : SVOA CALIBRATION

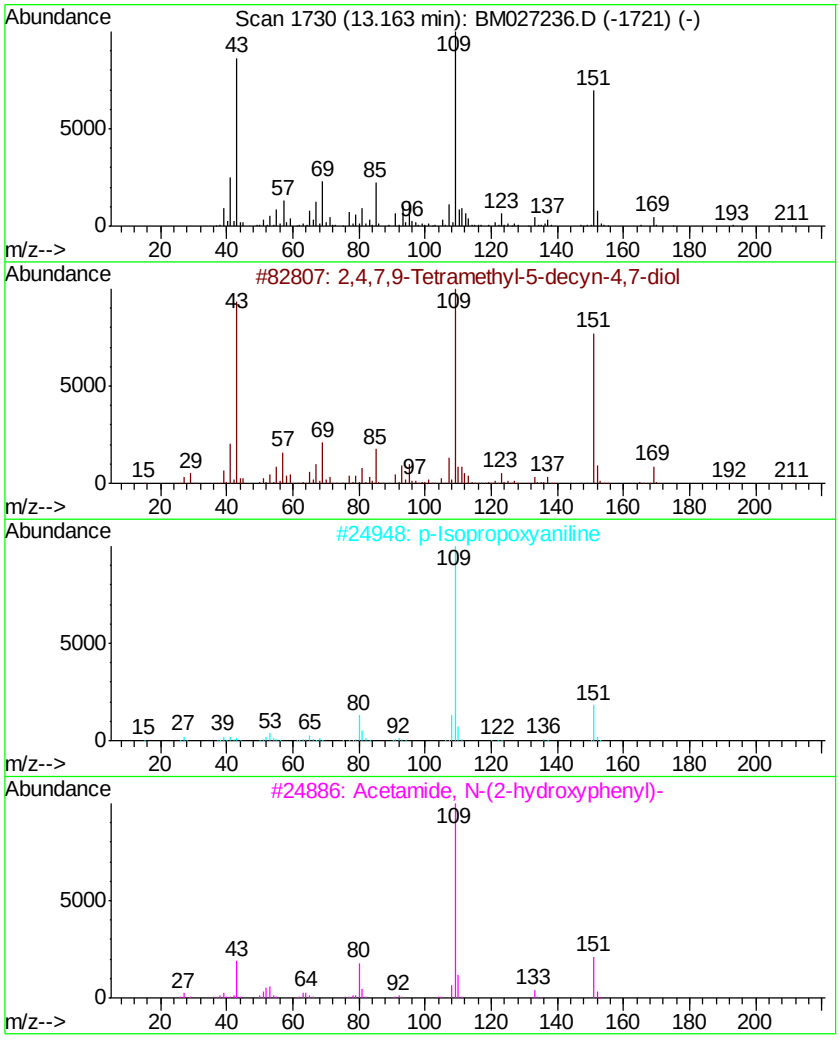
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

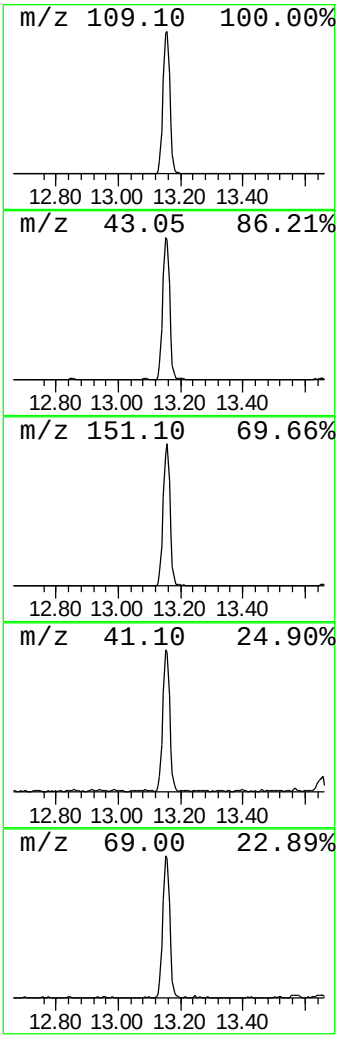
**********

Peak Number 2 2,4,7,9-Tetramethyl-5-decyn... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.16 | 7.48 ng/ul | 766143 | Acenaphthene-d10 | 14.24 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,4,7,9-Tetramethyl-5-decyn-4,7-... | 226 | C14H26O2 | 000126-86-3 | 90 |
| 2 | p-Isopropoxyaniline | 151 | C9H13NO | 007664-66-6 | 58 |
| 3 | Acetamide, N-(2-hydroxyphenyl)- | 151 | C8H9NO2 | 000614-80-2 | 58 |
| 4 | Metacetamol | 151 | C8H9NO2 | 000621-42-1 | 53 |
| 5 | m-Isopropoxyaniline | 151 | C9H13NO | 041406-00-2 | 53 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082520\
Data File : BM027236.D
Acq On : 26 Aug 2020 05:49
Operator : JU/CG
Sample : L3613-06
Misc :
ALS Vial : 29 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** DBFQ4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082520MA.M
Quant Title : SVOA CALIBRATION

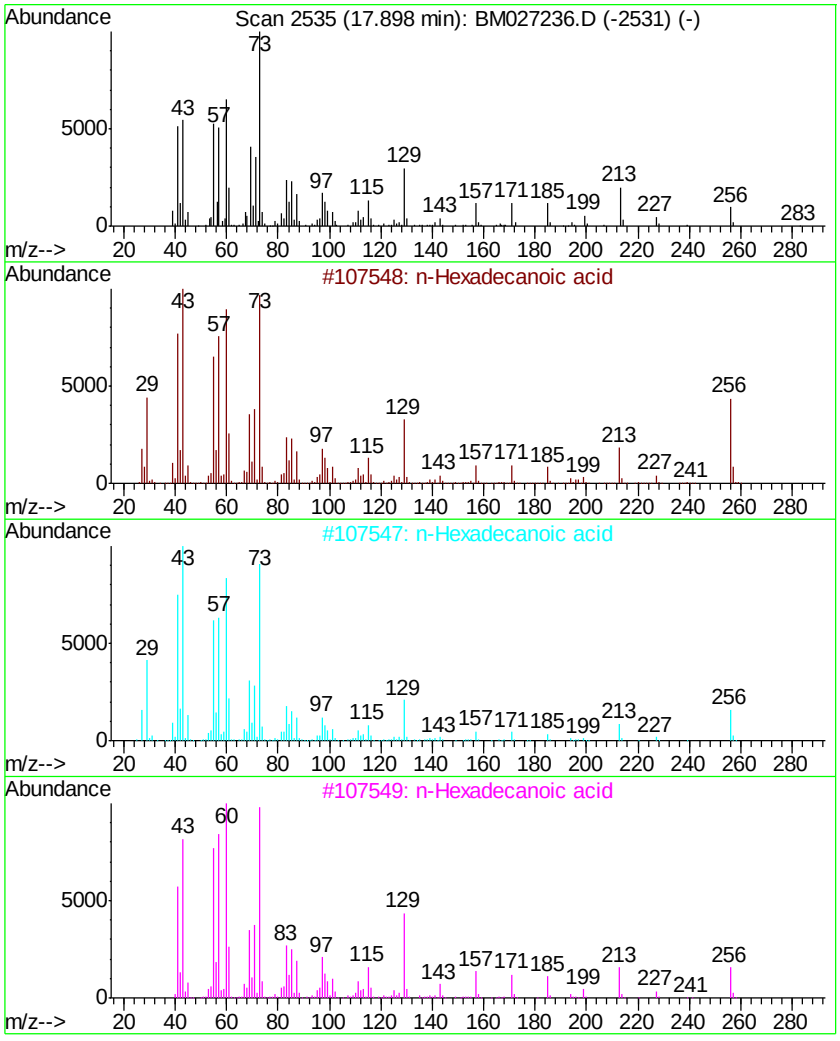
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

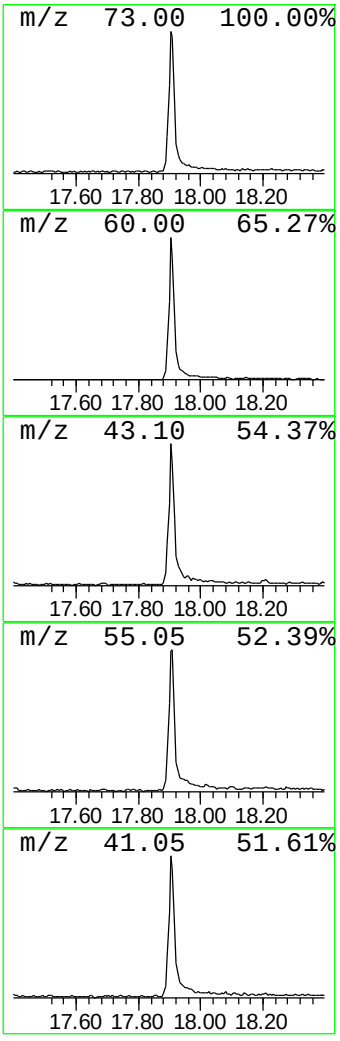
**********

Peak Number 3 n-Hexadecanoic acid Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.90 | 5.74 ng/ul | 719648 | Phenanthrene-d10 | 16.98 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 98 |
| 2 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 96 |
| 3 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 96 |
| 4 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 86 |
| 5 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 68 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082520\
Data File : BM027236.D
Acq On : 26 Aug 2020 05:49
Operator : JU/CG
Sample : L3613-06
Misc :
ALS Vial : 29 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** DBFQ4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082520MA.M
Quant Title : SVOA CALIBRATION

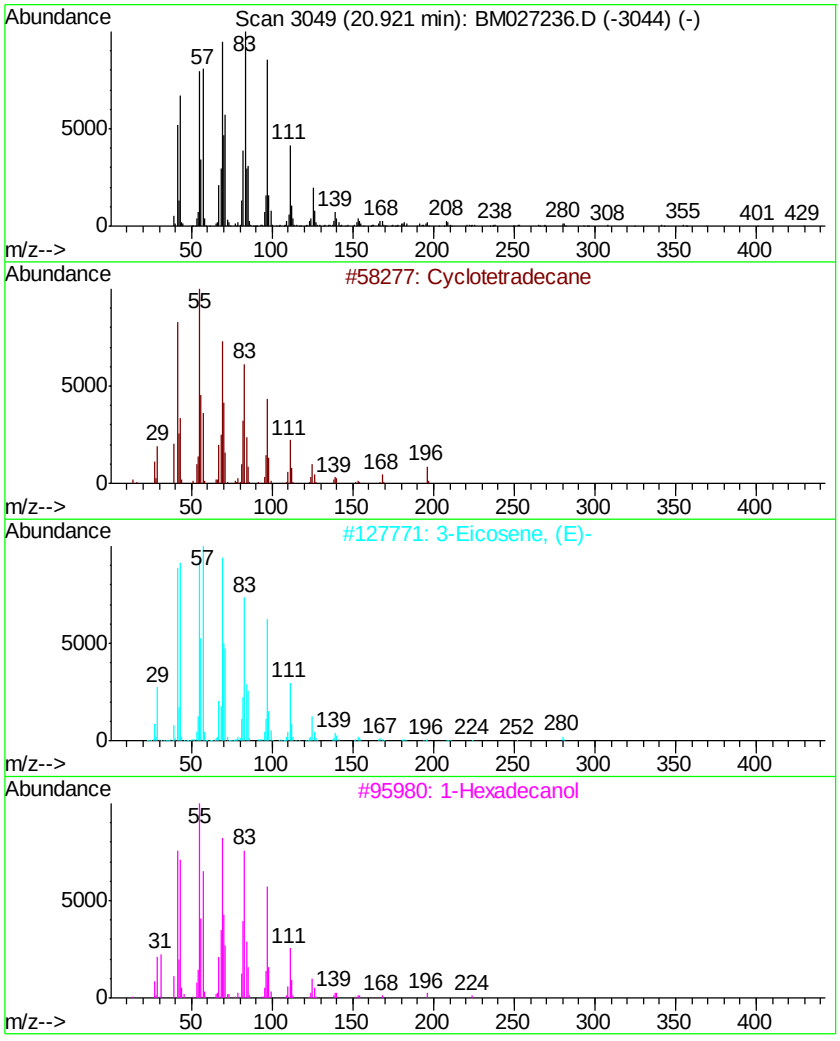
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

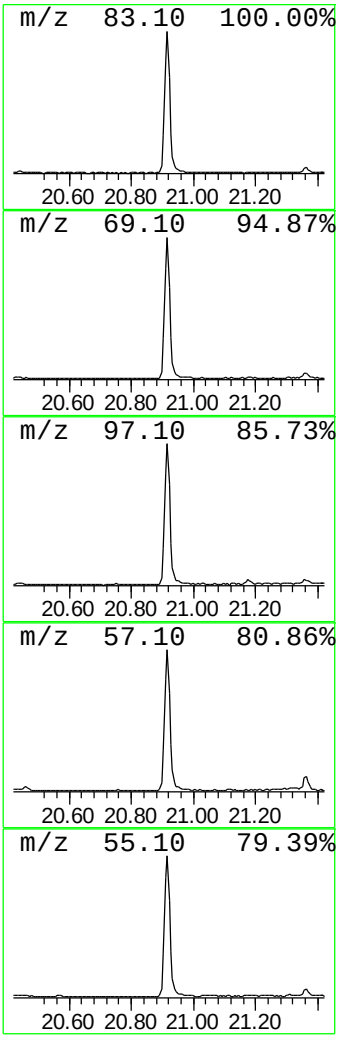
**********

Peak Number 4 (DEL) Alkane: Cyclic20.92 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.92 | 8.70 ng/ul | 1280380 | Chrysene-d12 | 21.18 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclotetradecane | 196 | C14H28 | 000295-17-0 | 93 |
| 2 | 3-Eicosene, (E)- | 280 | C20H40 | 074685-33-9 | 91 |
| 3 | 1-Hexadecanol | 242 | C16H34O | 036653-82-4 | 90 |
| 4 | Behenic alcohol | 326 | C22H46O | 000661-19-8 | 89 |
| 5 | Cycloeicosane | 280 | C20H40 | 000296-56-0 | 81 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082520\
Data File : BM027236.D
Acq On : 26 Aug 2020 05:49
Operator : JU/CG
Sample : L3613-06
Misc :
ALS Vial : 29 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** DBFQ4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082520MA.M
Quant Title : SVOA CALIBRATION

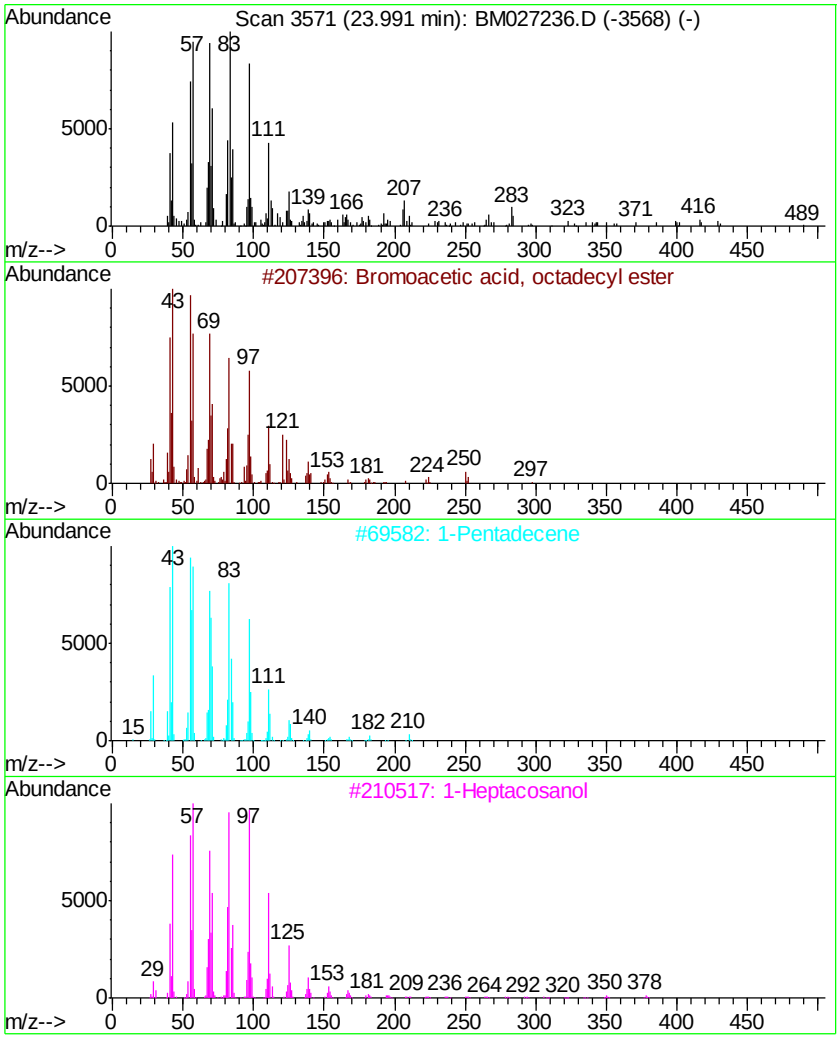
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

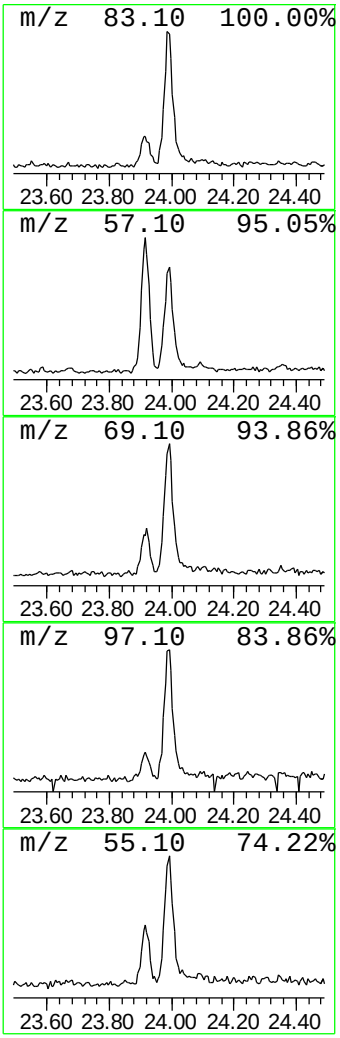
**********

Peak Number 5 Bromoacetic acid, octadecyl... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.99 | 2.28 ng/ul | 264420 | Perylene-d12 | 23.36 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Bromoacetic acid, octadecyl ester | 390 | C20H39BrO2 | 018992-03-5 | 87 |
| 2 | 1-Pentadecene | 210 | C15H30 | 013360-61-7 | 87 |
| 3 | 1-Heptacosanol | 396 | C27H56O | 002004-39-9 | 81 |
| 4 | n-Nonadecanol-1 | 284 | C19H40O | 001454-84-8 | 70 |
| 5 | Heptadecyl heptafluorobutyrate | 452 | C21H35F7O2 | 959085-66-6 | 70 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM082520\
Data File : BM027236.D
Acq On : 26 Aug 2020 05:49
Operator : JU/CG
Sample : L3613-06
Misc :
ALS Vial : 29 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** DBFQ4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082520MA.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 |
| Ethanol, 2-(2-eth... | 7.21 | 11.9 | ng/ul | 571862 | 1 | 7.60 | 958692 | 20.0 |
| 2,4,7,9-Tetrameth... | 13.16 | 7.5 | ng/ul | 766143 | 3 | 14.24 | 2049430 | 20.0 |
| n-Hexadecanoic acid | 17.90 | 5.7 | ng/ul | 719648 | 4 | 16.98 | 2508900 | 20.0 |
| (DEL) Alkane: Cyc... | 20.92 | 8.7 | ng/ul | 1280380 | 5 | 21.18 | 2941820 | 20.0 |
| Bromoacetic acid,... | 23.99 | 2.3 | ng/ul | 264420 | 6 | 23.36 | 2317410 | 20.0 |