LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100319\
Data File : BM022929.D
Acq On : 03 Oct 2019 20:25
Operator : JU
Sample : K4983-18
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDL2

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-BM092719MA.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 | 3.158 | 27 | 29 | 38 | rVB | 31421 | 48873 | 0.79% | 0.068% |
| 2 | 3.269 | 44 | 48 | 49 | rBV | 75108 | 84745 | 1.37% | 0.118% |
| 3 | 3.299 | 49 | 53 | 68 | rVB | 1795301 | 2147088 | 34.70% | 3.001% |
| 4 | 3.663 | 111 | 115 | 121 | rBV | 55985 | 78036 | 1.26% | 0.109% |
| 5 | 3.728 | 121 | 126 | 131 | rBV | 168624 | 211385 | 3.42% | 0.295% |
| 6 | 3.893 | 150 | 154 | 165 | rVV2 | 21523 | 43098 | 0.70% | 0.060% |
| 7 | 3.981 | 165 | 169 | 180 | rVB2 | 60345 | 128091 | 2.07% | 0.179% |
| 8 | 4.146 | 193 | 197 | 204 | rVB | 27706 | 41346 | 0.67% | 0.058% |
| 9 | 4.263 | 212 | 217 | 225 | rBV | 364046 | 460566 | 7.44% | 0.644% |
| 10 | 4.334 | 225 | 229 | 242 | rVB2 | 47968 | 78470 | 1.27% | 0.110% |
| 11 | 4.440 | 242 | 247 | 255 | rBV | 550510 | 704293 | 11.38% | 0.984% |
| 12 | 4.510 | 255 | 259 | 270 | rVB | 30712 | 52513 | 0.85% | 0.073% |
| 13 | 4.893 | 316 | 324 | 335 | rBV | 631552 | 829891 | 13.41% | 1.160% |
| 14 | 5.269 | 381 | 388 | 392 | rBV | 36932 | 66191 | 1.07% | 0.093% |
| 15 | 5.316 | 392 | 396 | 402 | rVV | 32698 | 50462 | 0.82% | 0.071% |
| 16 | 5.446 | 413 | 418 | 428 | rVB | 144846 | 280197 | 4.53% | 0.392% |
| 17 | 5.757 | 466 | 471 | 476 | rBV | 92476 | 128505 | 2.08% | 0.180% |
| 18 | 5.816 | 476 | 481 | 488 | rVB | 114098 | 163496 | 2.64% | 0.229% |
| 19 | 6.816 | 639 | 651 | 658 | rBV2 | 56813 | 147782 | 2.39% | 0.207% |
| 20 | 6.893 | 658 | 664 | 669 | rVV | 63339 | 99955 | 1.62% | 0.140% |
| 21 | 6.963 | 669 | 676 | 684 | rVV2 | 273789 | 589332 | 9.52% | 0.824% |
| 22 | 7.022 | 684 | 686 | 696 | rVB | 52369 | 70890 | 1.15% | 0.099% |
| 23 | 7.128 | 696 | 704 | 711 | rBV | 623896 | 990698 | 16.01% | 1.385% |
| 24 | 7.187 | 711 | 714 | 724 | rVB | 63808 | 99927 | 1.62% | 0.140% |
| 25 | 7.328 | 731 | 738 | 747 | rVB | 770219 | 1203332 | 19.45% | 1.682% |
| 26 | 7.446 | 752 | 758 | 767 | rVB | 224980 | 346803 | 5.61% | 0.485% |
| 27 | 7.793 | 811 | 817 | 826 | rBV | 880371 | 1384092 | 22.37% | 1.935% |
| 28 | 7.863 | 826 | 829 | 832 | rVV | 30508 | 45683 | 0.74% | 0.064% |
| 29 | 7.910 | 832 | 837 | 848 | rVB | 106634 | 182088 | 2.94% | 0.255% |
| 30 | 8.169 | 872 | 881 | 887 | rVB2 | 87320 | 175696 | 2.84% | 0.246% |
| 31 | 8.351 | 906 | 912 | 913 | rVV3 | 26957 | 42894 | 0.69% | 0.060% |
| 32 | 8.381 | 913 | 917 | 922 | rVV | 49274 | 84760 | 1.37% | 0.118% |
| 33 | 8.434 | 922 | 926 | 931 | rVV2 | 38149 | 64120 | 1.04% | 0.090% |
| 34 | 8.498 | 931 | 937 | 948 | rVV | 682903 | 1099996 | 17.78% | 1.537% |

LSC Area Percent Report

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Operator : JU
Sample : K4983-18
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDL2

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-BM092719MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 8.604 | 950 | 955 | 963 | rVB2 | 18275 | 41398 | 0.67% | 0.058% |
| 36 | 8.898 | 999 | 1005 | 1008 | rBV | 67528 | 109180 | 1.76% | 0.153% |
| 37 | 8.945 | 1008 | 1013 | 1026 | rVB | 803554 | 1361764 | 22.01% | 1.903% |
| 38 | 9.422 | 1090 | 1094 | 1099 | rVB | 47810 | 70201 | 1.13% | 0.098% |
| 39 | 9.481 | 1099 | 1104 | 1115 | rVB | 68219 | 112627 | 1.82% | 0.157% |
| 40 | 9.669 | 1129 | 1136 | 1144 | rBV | 672577 | 1122239 | 18.14% | 1.569% |
| 41 | 9.839 | 1161 | 1165 | 1172 | rVB | 42081 | 67267 | 1.09% | 0.094% |
| 42 | 9.910 | 1172 | 1177 | 1183 | rBV | 29188 | 45098 | 0.73% | 0.063% |
| 43 | 9.992 | 1183 | 1191 | 1199 | rVB3 | 119772 | 245349 | 3.97% | 0.343% |
| 44 | 10.210 | 1220 | 1228 | 1237 | rVB | 1102243 | 1840877 | 29.75% | 2.573% |
| 45 | 10.587 | 1282 | 1292 | 1297 | rBV | 1251861 | 2153896 | 34.81% | 3.011% |
| 46 | 10.634 | 1297 | 1300 | 1307 | rVB | 254256 | 400712 | 6.48% | 0.560% |
| 47 | 10.716 | 1307 | 1314 | 1326 | rBV | 939461 | 1643053 | 26.56% | 2.297% |
| 48 | 11.139 | 1377 | 1386 | 1390 | rBV7 | 20550 | 47942 | 0.77% | 0.067% |
| 49 | 11.298 | 1408 | 1413 | 1417 | rVB | 27154 | 40685 | 0.66% | 0.057% |
| 50 | 11.781 | 1490 | 1495 | 1503 | rVB4 | 30594 | 53056 | 0.86% | 0.074% |
| 51 | 11.928 | 1510 | 1520 | 1525 | rBV2 | 87392 | 157407 | 2.54% | 0.220% |
| 52 | 12.110 | 1545 | 1551 | 1554 | rBV | 32561 | 60684 | 0.98% | 0.085% |
| 53 | 12.251 | 1569 | 1575 | 1586 | rVB | 204352 | 352393 | 5.70% | 0.493% |
| 54 | 12.357 | 1589 | 1593 | 1603 | rVB8 | 25478 | 52485 | 0.85% | 0.073% |
| 55 | 12.469 | 1603 | 1612 | 1618 | rBV | 213368 | 351691 | 5.68% | 0.492% |
| 56 | 12.533 | 1618 | 1623 | 1632 | rVB10 | 20819 | 47823 | 0.77% | 0.067% |
| 57 | 13.139 | 1721 | 1726 | 1732 | rBV6 | 17838 | 47566 | 0.77% | 0.066% |
| 58 | 13.275 | 1744 | 1749 | 1756 | rVB2 | 80168 | 124759 | 2.02% | 0.174% |
| 59 | 13.339 | 1756 | 1760 | 1765 | rBV4 | 21604 | 41310 | 0.67% | 0.058% |
| 60 | 13.486 | 1777 | 1785 | 1791 | rVB2 | 52252 | 116475 | 1.88% | 0.163% |
| 61 | 13.610 | 1799 | 1806 | 1810 | rVB5 | 49518 | 103981 | 1.68% | 0.145% |
| 62 | 13.657 | 1810 | 1814 | 1818 | rBV5 | 29182 | 49540 | 0.80% | 0.069% |
| 63 | 13.751 | 1825 | 1830 | 1835 | rBV2 | 83915 | 157206 | 2.54% | 0.220% |
| 64 | 13.839 | 1840 | 1845 | 1849 | rVV | 2210069 | 2993346 | 48.38% | 4.184% |
| 65 | 13.886 | 1849 | 1853 | 1865 | rVB | 933482 | 1273013 | 20.57% | 1.779% |
| 66 | 13.986 | 1866 | 1870 | 1873 | rBV | 38191 | 56040 | 0.91% | 0.078% |
| 67 | 14.022 | 1873 | 1876 | 1883 | rVB6 | 33712 | 71072 | 1.15% | 0.099% |
| 68 | 14.122 | 1884 | 1893 | 1905 | rVB | 2397473 | 3552572 | 57.42% | 4.965% |
| 69 | 14.257 | 1908 | 1916 | 1919 | rBV6 | 23137 | 62840 | 1.02% | 0.088% |
| 70 | 14.345 | 1926 | 1931 | 1936 | rVB5 | 39908 | 71804 | 1.16% | 0.100% |
| 71 | 14.433 | 1938 | 1946 | 1953 | rVV | 1987959 | 3125893 | 50.52% | 4.369% |

LSC Area Percent Report

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Operator : JU
Sample : K4983-18
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDL2

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-BM092719MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 14.492 | 1953 | 1956 | 1963 | rVB | 102192 | 166626 | 2.69% | 0.233% |
| 73 | 14.633 | 1973 | 1980 | 1985 | rBV | 287836 | 483937 | 7.82% | 0.676% |
| 74 | 14.827 | 2009 | 2013 | 2015 | rBV2 | 39314 | 60191 | 0.97% | 0.084% |
| 75 | 14.904 | 2022 | 2026 | 2030 | rVB2 | 37281 | 54258 | 0.88% | 0.076% |
| 76 | 15.069 | 2045 | 2054 | 2058 | rBV3 | 149831 | 263387 | 4.26% | 0.368% |
| 77 | 15.222 | 2073 | 2080 | 2090 | rVV4 | 69889 | 212892 | 3.44% | 0.298% |
| 78 | 15.422 | 2108 | 2114 | 2120 | rBV | 3154337 | 4535590 | 73.30% | 6.339% |
| 79 | 15.469 | 2120 | 2122 | 2127 | rVV2 | 92367 | 139878 | 2.26% | 0.196% |
| 80 | 15.539 | 2128 | 2134 | 2140 | rVV | 1020452 | 1474044 | 23.82% | 2.060% |
| 81 | 15.604 | 2142 | 2145 | 2148 | rVV | 37952 | 59262 | 0.96% | 0.083% |
| 82 | 15.657 | 2150 | 2154 | 2166 | rVB3 | 72013 | 178458 | 2.88% | 0.249% |
| 83 | 15.933 | 2197 | 2201 | 2207 | rVB2 | 75093 | 152400 | 2.46% | 0.213% |
| 84 | 16.098 | 2225 | 2229 | 2234 | rBV | 43976 | 66933 | 1.08% | 0.094% |
| 85 | 16.580 | 2307 | 2311 | 2315 | rVB4 | 33954 | 52028 | 0.84% | 0.073% |
| 86 | 16.986 | 2377 | 2380 | 2386 | rVB2 | 27131 | 44279 | 0.72% | 0.062% |
| 87 | 17.168 | 2405 | 2411 | 2416 | rBV2 | 2341491 | 3366580 | 54.41% | 4.706% |
| 88 | 17.210 | 2416 | 2418 | 2422 | rVV | 102780 | 123311 | 1.99% | 0.172% |
| 89 | 17.268 | 2422 | 2428 | 2438 | rVB2 | 3807985 | 5330311 | 86.15% | 7.450% |
| 90 | 17.539 | 2469 | 2474 | 2477 | rBV2 | 105676 | 158363 | 2.56% | 0.221% |
| 91 | 17.792 | 2513 | 2517 | 2522 | rVB2 | 41383 | 53927 | 0.87% | 0.075% |
| 92 | 18.074 | 2558 | 2565 | 2573 | rBV | 1130674 | 1610544 | 26.03% | 2.251% |
| 93 | 19.227 | 2758 | 2761 | 2765 | rVB | 32158 | 41189 | 0.67% | 0.058% |
| 94 | 19.351 | 2777 | 2782 | 2795 | rBV | 558764 | 855342 | 13.82% | 1.196% |
| 95 | 19.562 | 2812 | 2818 | 2823 | rBV | 4712251 | 6187290 | 100.00% | 8.648% |
| 96 | 19.604 | 2823 | 2825 | 2832 | rVB | 179211 | 209245 | 3.38% | 0.292% |
| 97 | 21.062 | 3069 | 3073 | 3083 | rBV | 539333 | 671346 | 10.85% | 0.938% |
| 98 | 21.351 | 3117 | 3122 | 3127 | rBV | 2355445 | 2959479 | 47.83% | 4.137% |
| 99 | 23.468 | 3475 | 3482 | 3497 | rVB | 2477432 | 4799736 | 77.57% | 6.709% |
| 100 | 23.609 | 3500 | 3506 | 3517 | rVB | 1474691 | 2783748 | 44.99% | 3.891% |

Sum of corrected areas: 71545112

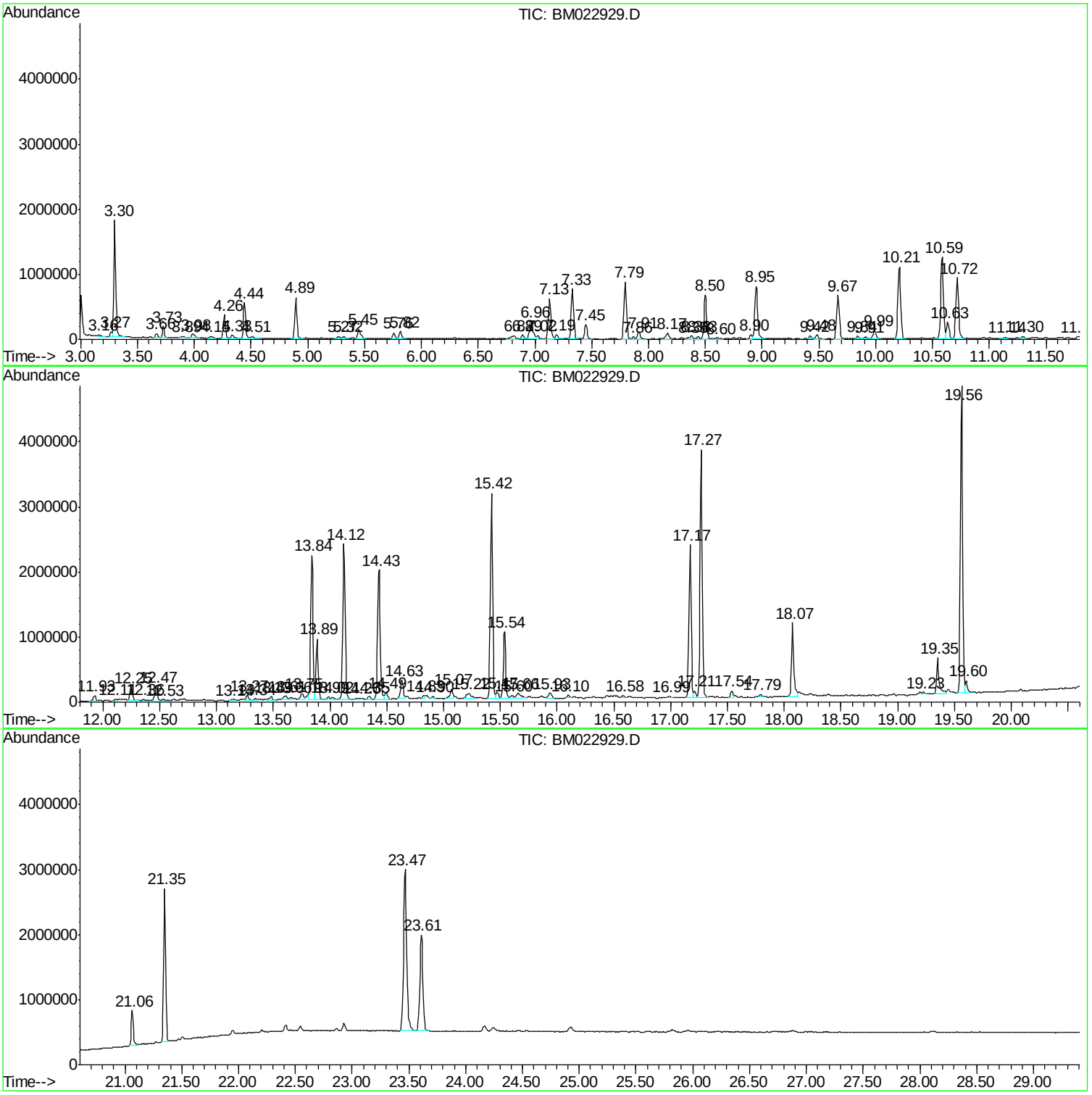
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100319\
Data File : BM022929.D
Acq On : 03 Oct 2019 20:25
Operator : JU
Sample : K4983-18
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100319\
Data File : BM022929.D
Acq On : 03 Oct 2019 20:25
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Sample : K4983-18
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDL2

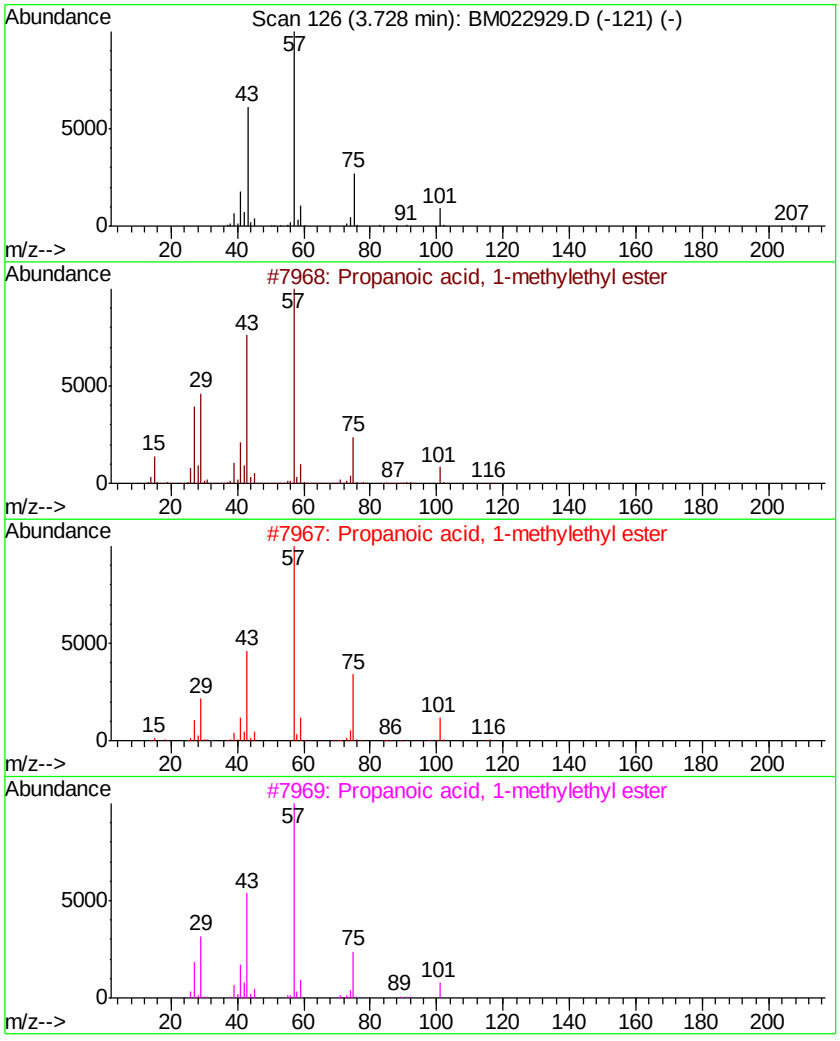
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

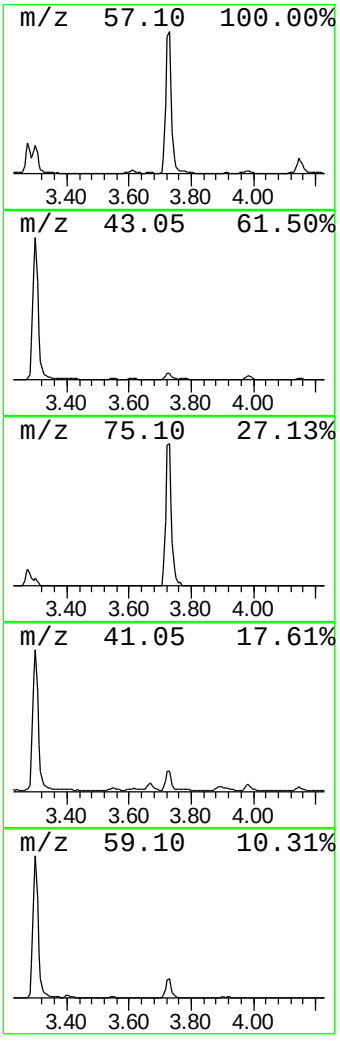
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 Propanoic acid, 1-methyleth... Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.73 | 3.05 ng/ul | 211385 | 1,4-Dichlorobenzene-d4 | 7.79 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propanoic acid, 1-methylethyl ester | 116 | C6H12O2 | 000637-78-5 | 83 |
| 2 | Propanoic acid, 1-methylethyl ester | 116 | C6H12O2 | 000637-78-5 | 83 |
| 3 | Propanoic acid, 1-methylethyl ester | 116 | C6H12O2 | 000637-78-5 | 83 |
| 4 | Propanoic acid, 1-methylethyl ester | 116 | C6H12O2 | 000637-78-5 | 59 |
| 5 | Propanoic acid, propyl ester | 116 | C6H12O2 | 000106-36-5 | 42 |



Library Search Compound Report

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Data File : BM022929.D
Acq On : 03 Oct 2019 20:25
Operator : JU
Sample : K4983-18
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

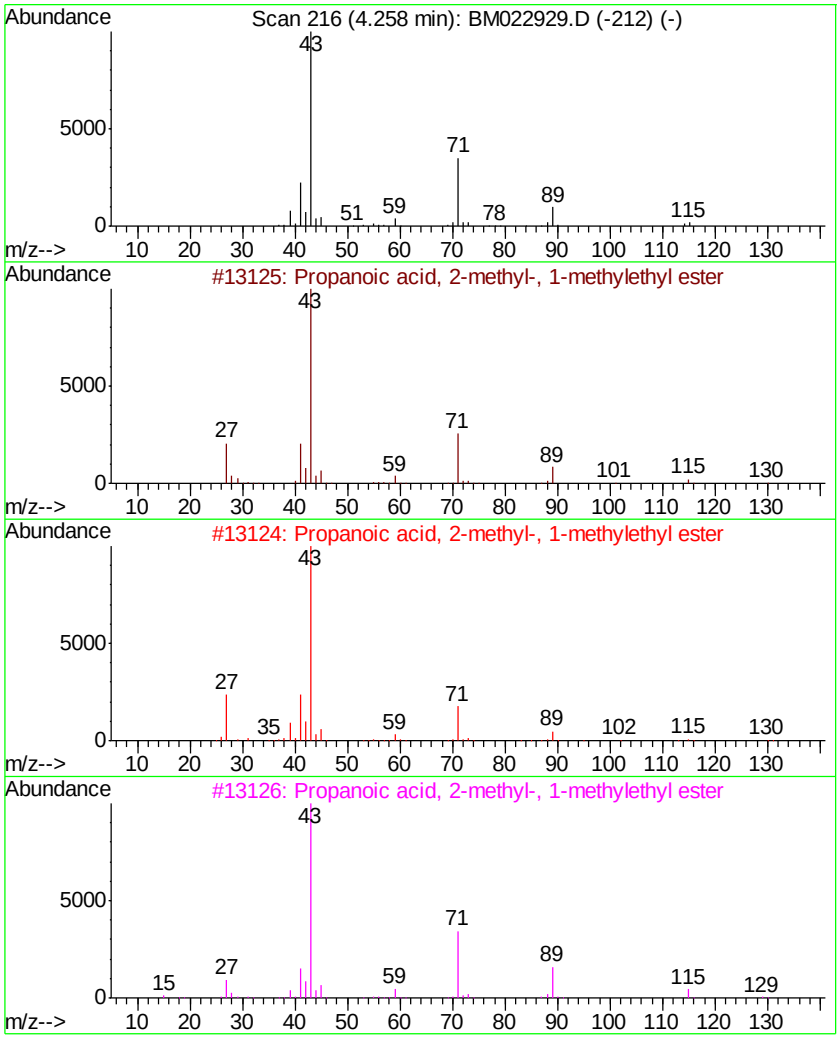
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

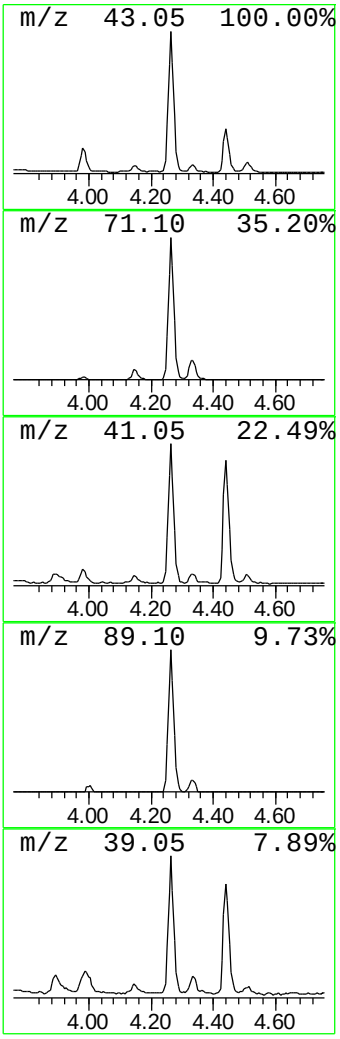
**********

Peak Number 2 Propanoic acid, 2-methyl-, ... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.26 | 6.66 ng/ul | 460566 | 1,4-Dichlorobenzene-d4 | 7.79 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propanoic acid, 2-methyl-, 1-met... | 130 | C7H14O2 | 000617-50-5 | 78 |
| 2 | Propanoic acid, 2-methyl-, 1-met... | 130 | C7H14O2 | 000617-50-5 | 78 |
| 3 | Propanoic acid, 2-methyl-, 1-met... | 130 | C7H14O2 | 000617-50-5 | 64 |
| 4 | Hexane, 2,3-dimethyl- | 114 | C8H18 | 000584-94-1 | 50 |
| 5 | Propanoic acid, 2-methyl-, penty... | 158 | C9H18O2 | 002445-72-9 | 39 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100319\
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Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

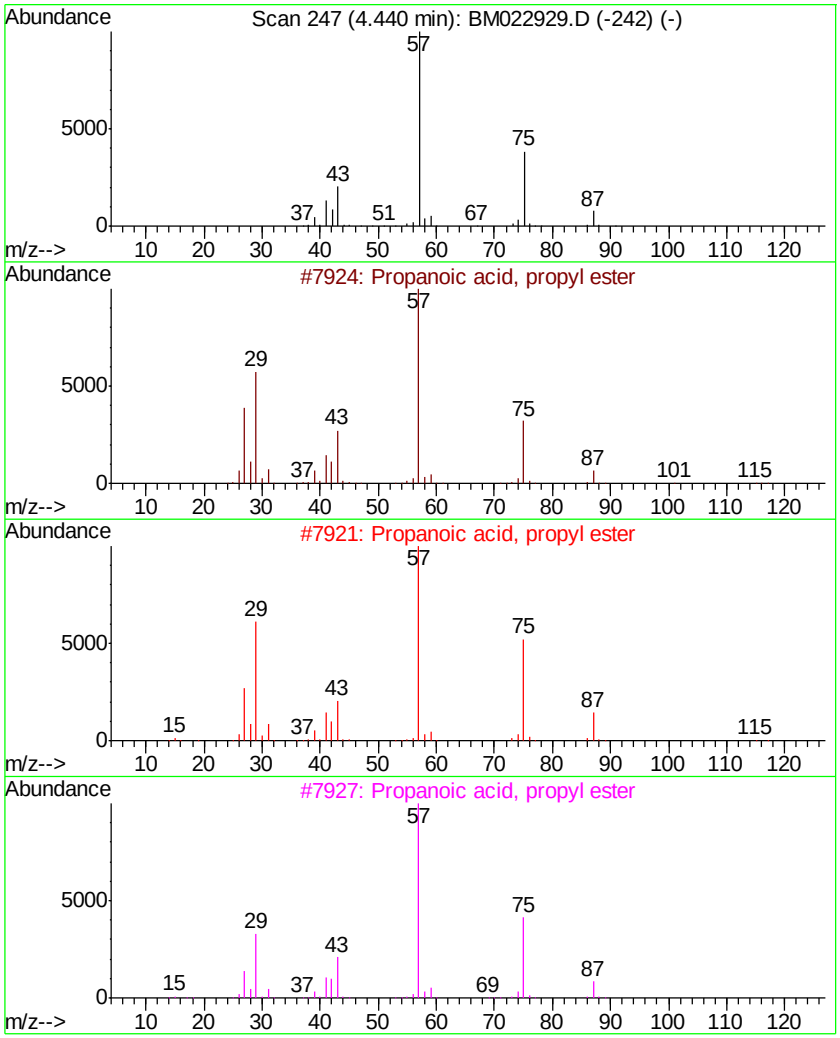
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

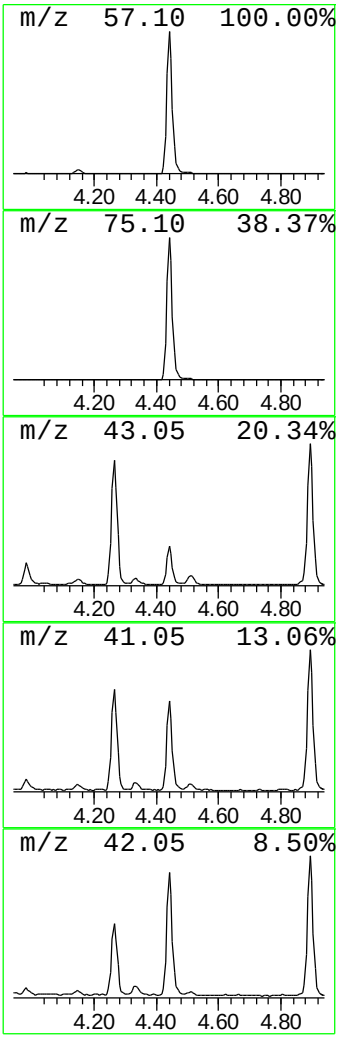
**********

Peak Number 3 Propanoic acid, propyl ester Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.44 | 10.18 ng/ul | 704293 | 1,4-Dichlorobenzene-d4 | 7.79 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propanoic acid, propyl ester | 116 | C6H12O2 | 000106-36-5 | 83 |
| 2 | Propanoic acid, propyl ester | 116 | C6H12O2 | 000106-36-5 | 83 |
| 3 | Propanoic acid, propyl ester | 116 | C6H12O2 | 000106-36-5 | 83 |
| 4 | Propanoic acid, propyl ester | 116 | C6H12O2 | 000106-36-5 | 47 |
| 5 | Propanoic acid, butyl ester | 130 | C7H14O2 | 000590-01-2 | 39 |



Library Search Compound Report

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ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

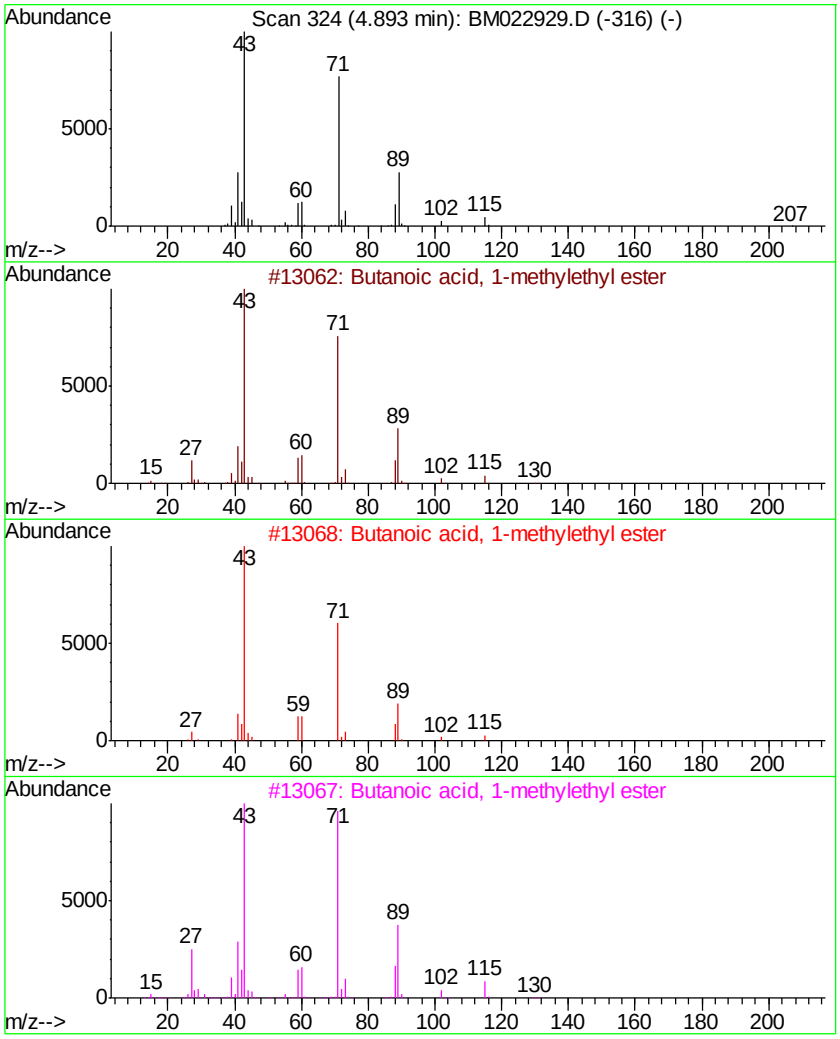
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

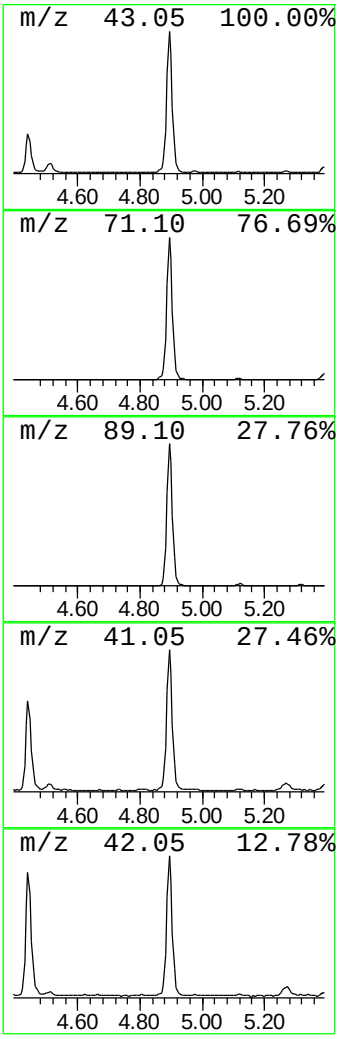
**********

Peak Number 4 Butanoic acid, 1-methylethy... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.89 | 11.99 ng/ul | 829891 | 1,4-Dichlorobenzene-d4 | 7.79 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butanoic acid, 1-methylethyl ester | 130 | C7H14O2 | 000638-11-9 | 90 |
| 2 | Butanoic acid, 1-methylethyl ester | 130 | C7H14O2 | 000638-11-9 | 90 |
| 3 | Butanoic acid, 1-methylethyl ester | 130 | C7H14O2 | 000638-11-9 | 90 |
| 4 | Propanoic acid, 2-methyl-, 1-met... | 130 | C7H14O2 | 000617-50-5 | 78 |
| 5 | Butanoic acid, propyl ester | 130 | C7H14O2 | 000105-66-8 | 64 |



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Acq On : 03 Oct 2019 20:25
Operator : JU
Sample : K4983-18
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

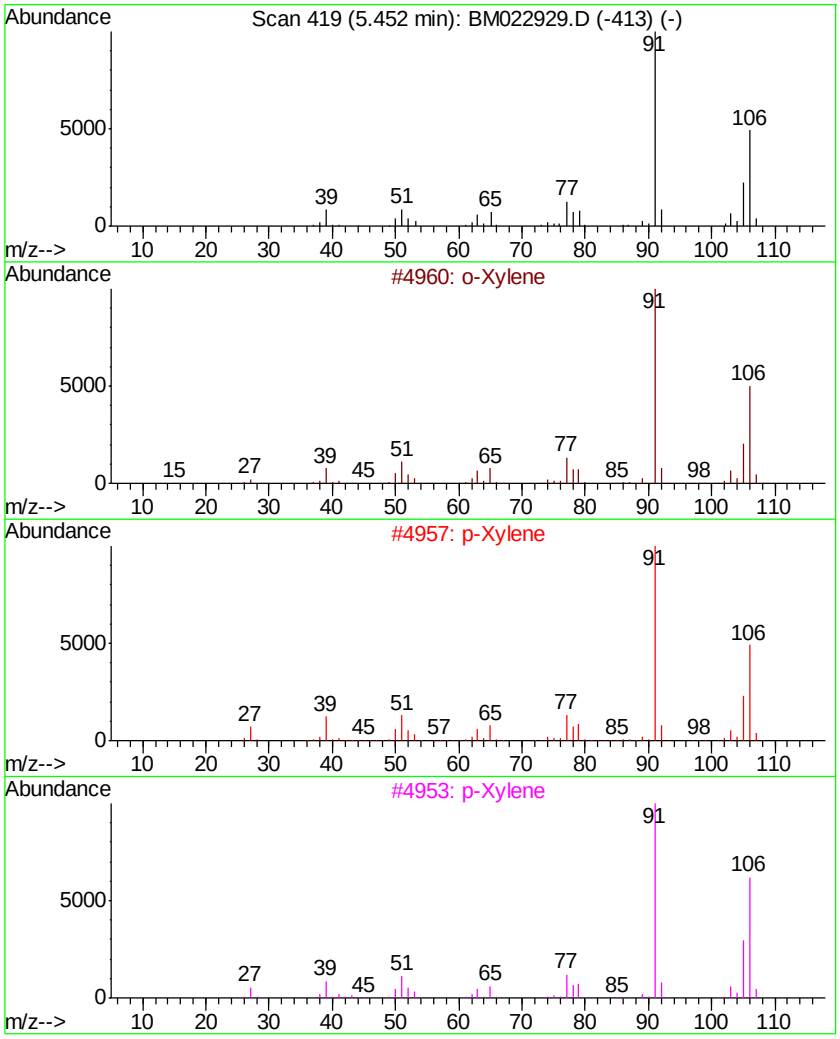
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

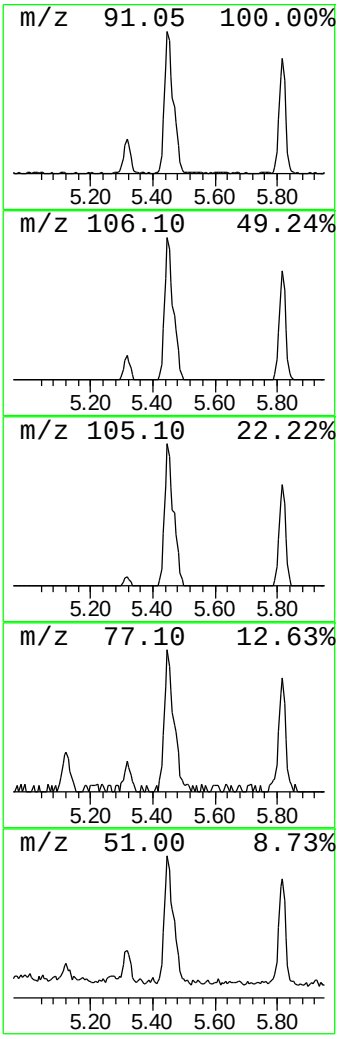
**********

Peak Number 5 o-Xylene Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.45 | 4.05 ng/ul | 280197 | 1,4-Dichlorobenzene-d4 | 7.79 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | o-Xylene | 106 | C8H10 | 000095-47-6 | 97 |
| 2 | p-Xylene | 106 | C8H10 | 000106-42-3 | 97 |
| 3 | p-Xylene | 106 | C8H10 | 000106-42-3 | 97 |
| 4 | Benzene, 1,3-dimethyl- | 106 | C8H10 | 000108-38-3 | 97 |
| 5 | p-Xylene | 106 | C8H10 | 000106-42-3 | 95 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100319\
Data File : BM022929.D
Acq On : 03 Oct 2019 20:25
Operator : JU
Sample : K4983-18
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

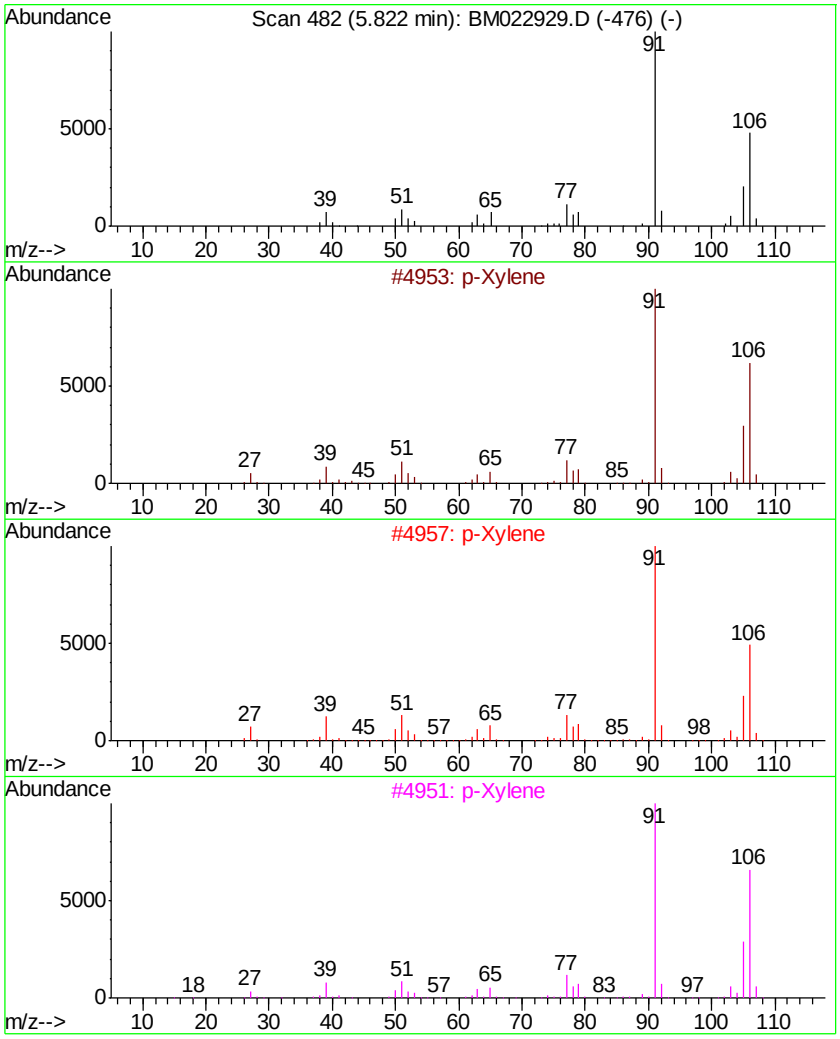
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

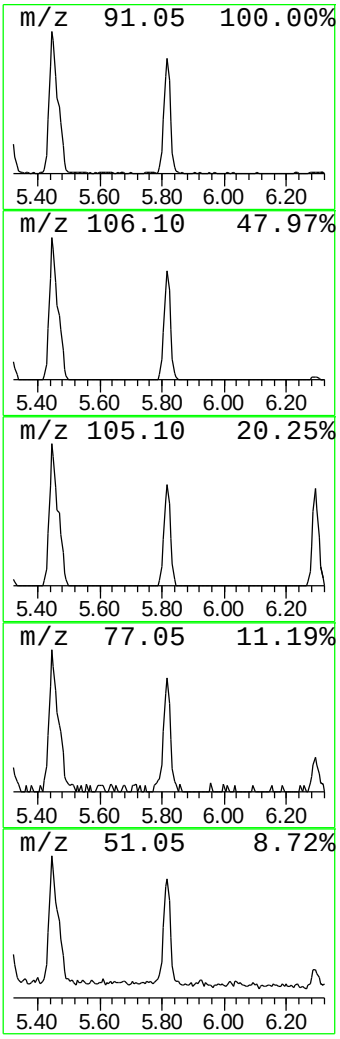
**********

Peak Number 6 p-Xylene Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.82 | 2.36 ng/ul | 163496 | 1,4-Dichlorobenzene-d4 | 7.79 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | p-Xylene | 106 | C8H10 | 000106-42-3 | 95 |
| 2 | p-Xylene | 106 | C8H10 | 000106-42-3 | 95 |
| 3 | p-Xylene | 106 | C8H10 | 000106-42-3 | 94 |
| 4 | o-Xylene | 106 | C8H10 | 000095-47-6 | 93 |
| 5 | p-Xylene | 106 | C8H10 | 000106-42-3 | 91 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100319\
Data File : BM022929.D
Acq On : 03 Oct 2019 20:25
Operator : JU
Sample : K4983-18
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

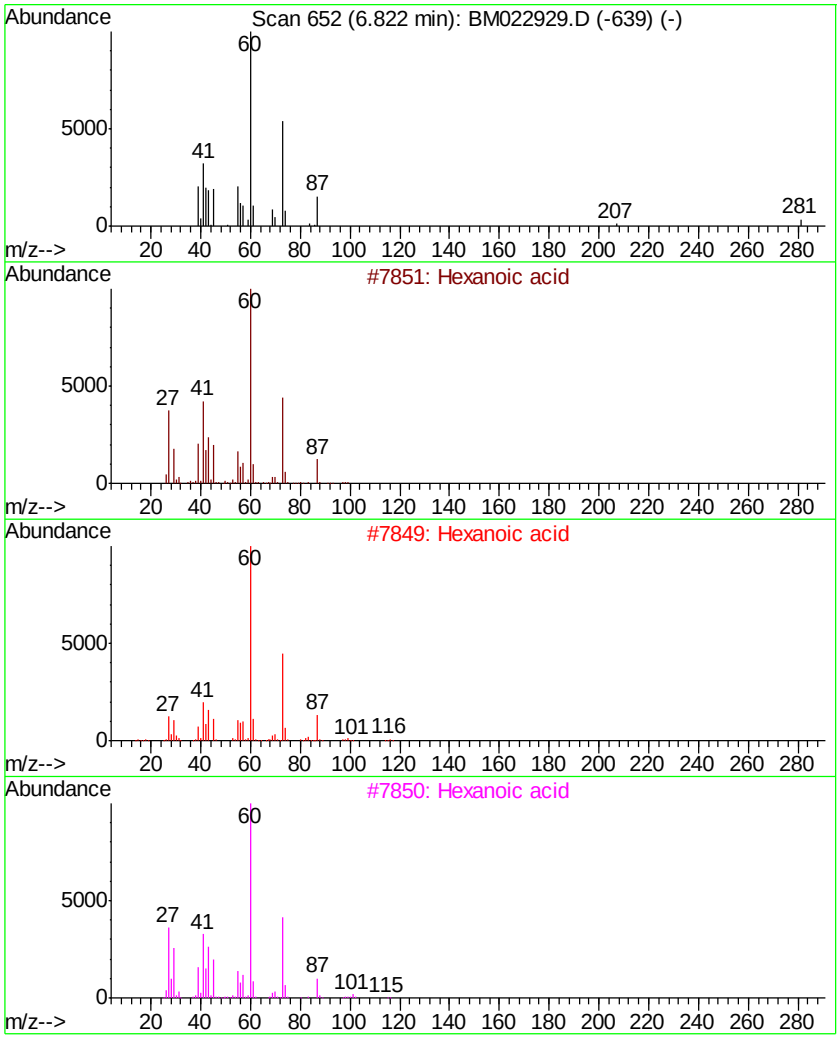
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

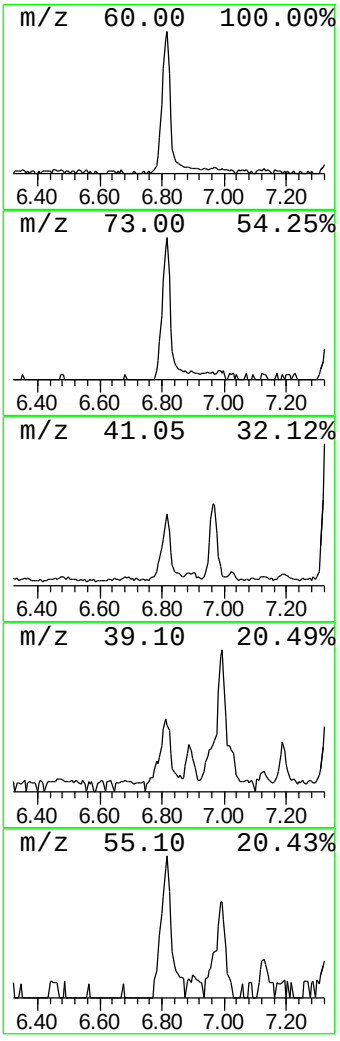
**********

Peak Number 7 Hexanoic acid Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.82 | 2.14 ng/ul | 147782 | 1,4-Dichlorobenzene-d4 | 7.79 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexanoic acid | 116 | C6H12O2 | 000142-62-1 | 90 |
| 2 | Hexanoic acid | 116 | C6H12O2 | 000142-62-1 | 83 |
| 3 | Hexanoic acid | 116 | C6H12O2 | 000142-62-1 | 83 |
| 4 | Propanedioic acid, propyl- | 146 | C6H10O4 | 000616-62-6 | 72 |
| 5 | Heptanoic acid | 130 | C7H14O2 | 000111-14-8 | 59 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100319\
Data File : BM022929.D
Acq On : 03 Oct 2019 20:25
Operator : JU
Sample : K4983-18
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

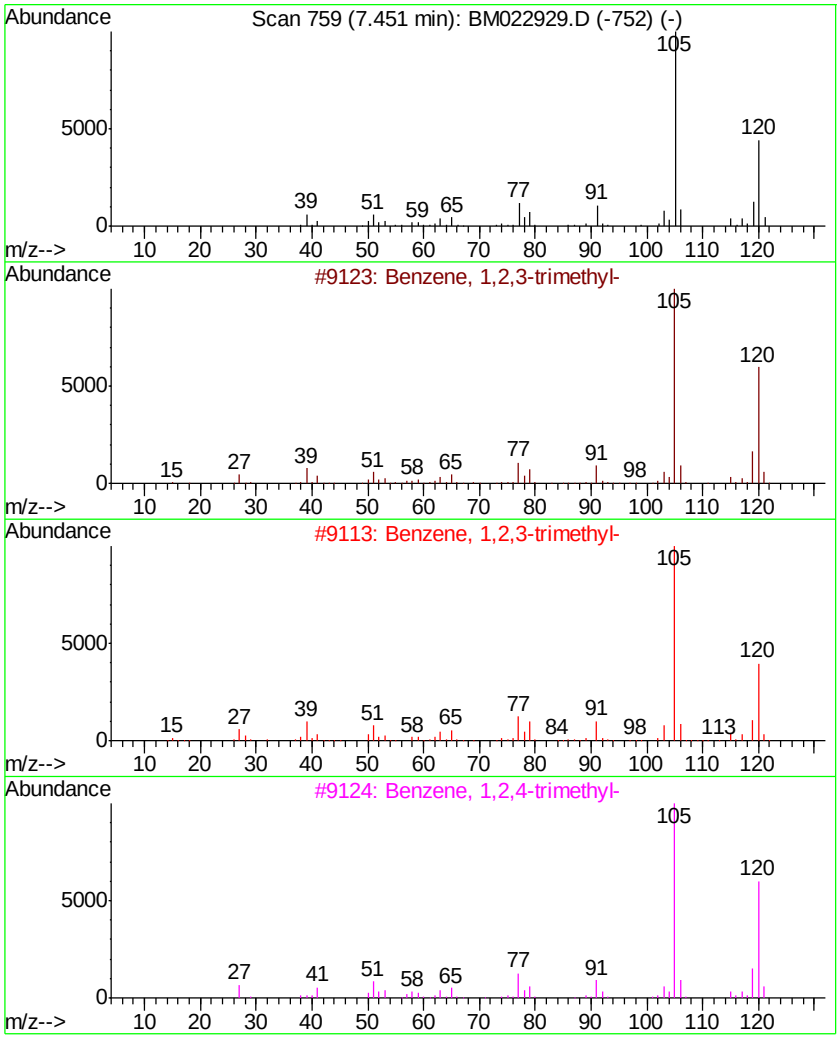
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

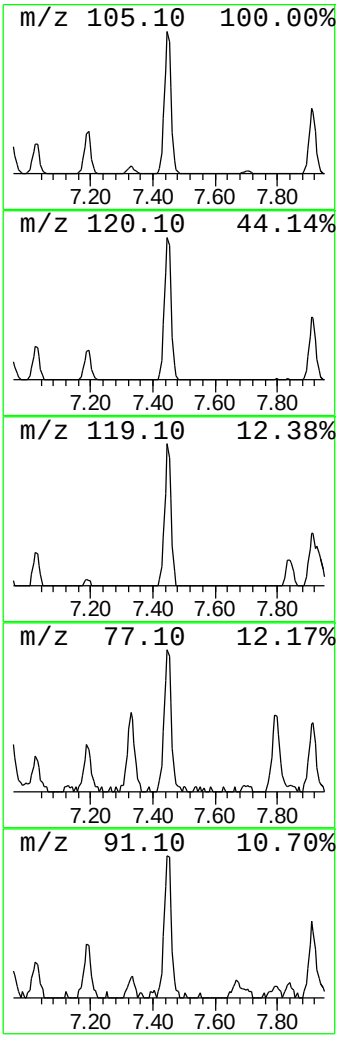
**********

Peak Number 8 Benzene, 1,2,3-trimethyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.45 | 5.01 ng/ul | 346803 | 1,4-Dichlorobenzene-d4 | 7.79 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 97 |
| 2 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 95 |
| 3 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 95 |
| 4 | Benzene, 1,3,5-trimethyl- | 120 | C9H12 | 000108-67-8 | 91 |
| 5 | Benzene, 1,3,5-trimethyl- | 120 | C9H12 | 000108-67-8 | 91 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100319\
Data File : BM022929.D
Acq On : 03 Oct 2019 20:25
Operator : JU
Sample : K4983-18
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

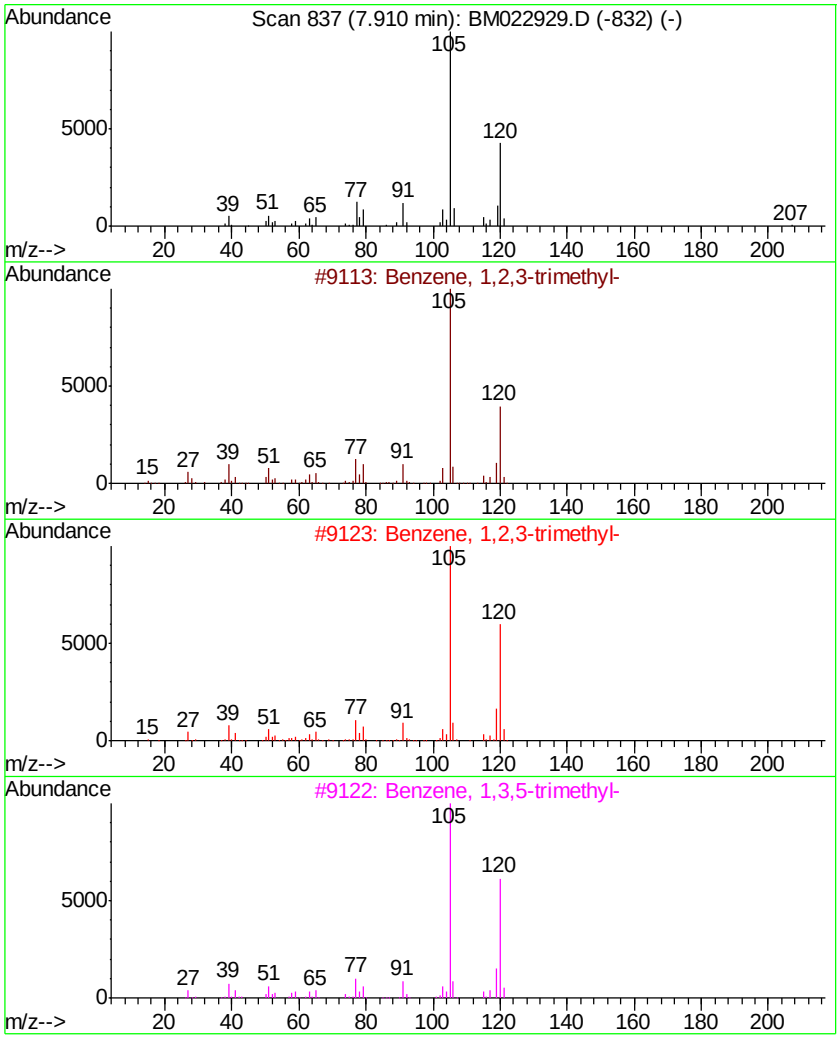
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

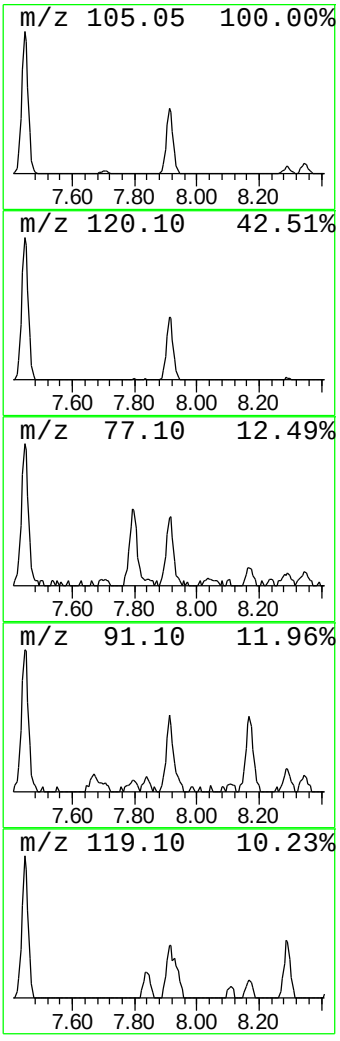
**********

Peak Number 9 Benzene, 1,3,5-trimethyl- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.91 | 2.63 ng/ul | 182088 | 1,4-Dichlorobenzene-d4 | 7.79 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 95 |
| 2 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 95 |
| 3 | Benzene, 1,3,5-trimethyl- | 120 | C9H12 | 000108-67-8 | 94 |
| 4 | Benzene, 1,3,5-trimethyl- | 120 | C9H12 | 000108-67-8 | 94 |
| 5 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 91 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100319\
Data File : BM022929.D
Acq On : 03 Oct 2019 20:25
Operator : JU
Sample : K4983-18
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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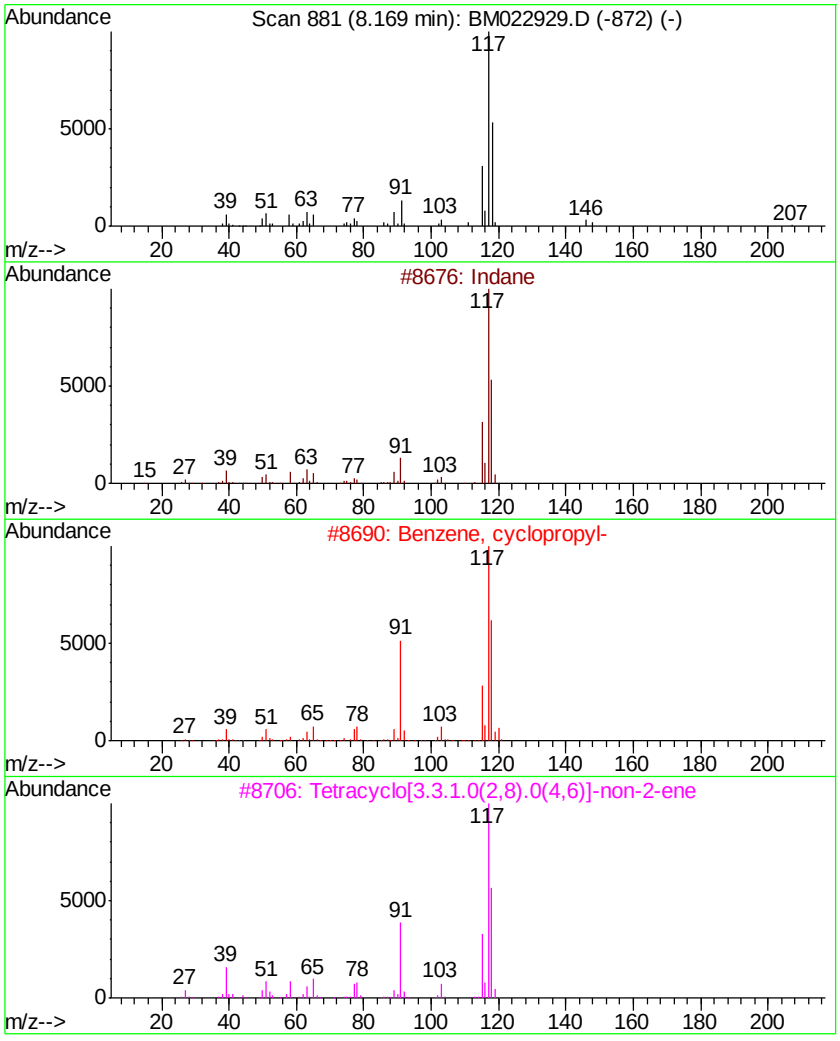
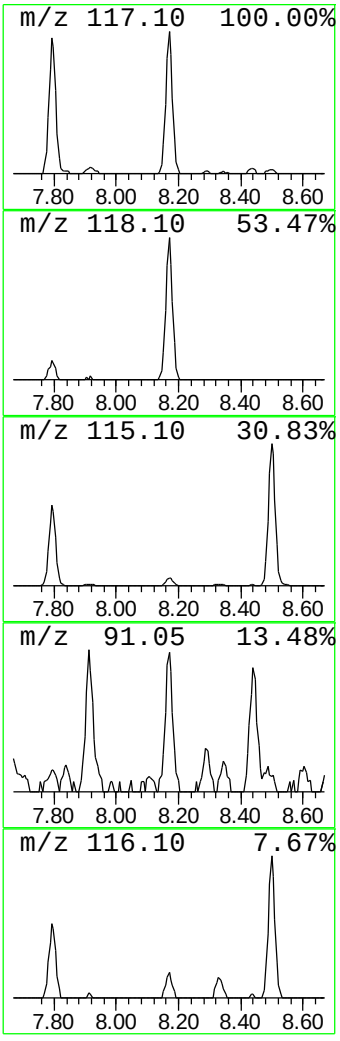
Peak Number 10 Indane Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.17 | 2.54 ng/ul | 175696 | 1,4-Dichlorobenzene-d4 | 7.79 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indane | 118 | C9H10 | 000496-11-7 | 74 |
| 2 | Benzene, cyclopropyl- | 118 | C9H10 | 000873-49-4 | 74 |
| 3 | Tetracyclo[3.3.1.0(2,8).0(4,6)]-... | 118 | C9H10 | 1000191-13-7 | 74 |
| 4 | Benzene, cyclopropyl- | 118 | C9H10 | 000873-49-4 | 68 |
| 5 | Indane | 118 | C9H10 | 000496-11-7 | 60 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100319\
Data File : BM022929.D
Acq On : 03 Oct 2019 20:25
Operator : JU
Sample : K4983-18
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

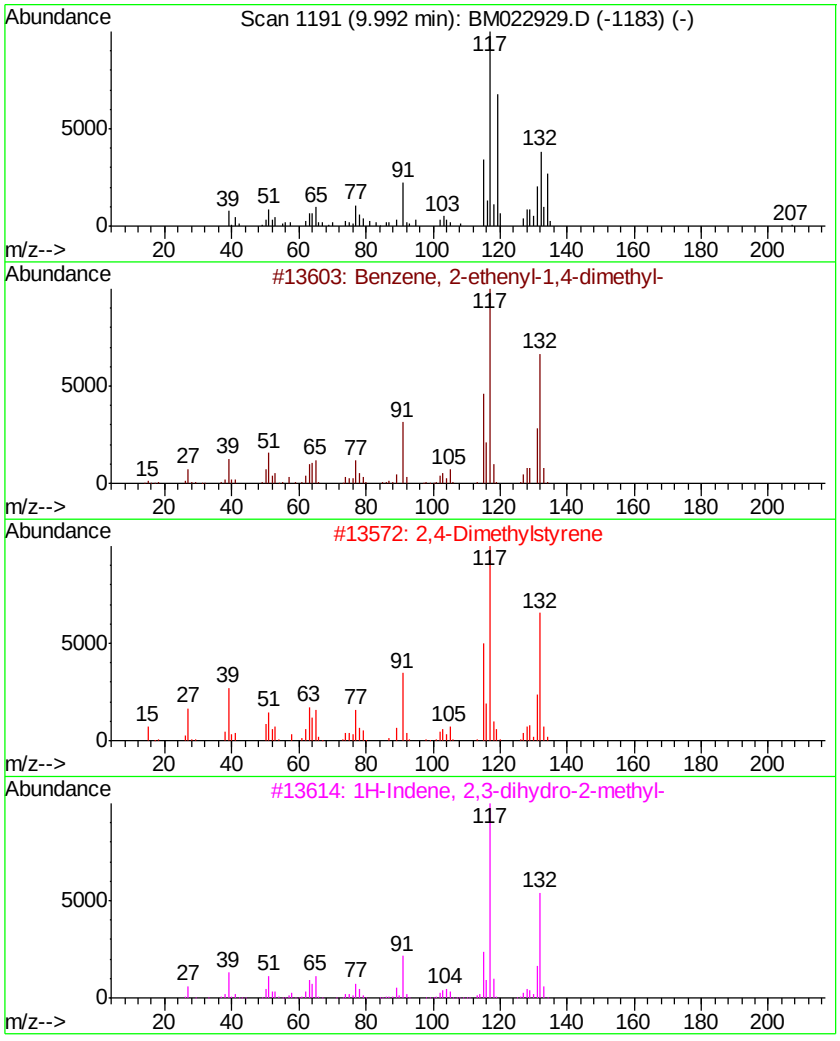
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

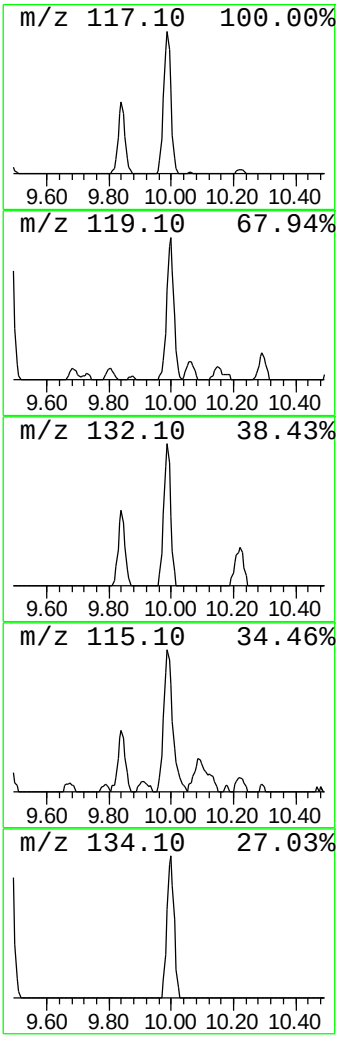
**********

Peak Number 11 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.99 | 2.28 ng/ul | 245349 | Naphthalene-d8 | 10.59 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12 | 002039-89-6 | 95 |
| 2 | 2,4-Dimethylstyrene | 132 | C10H12 | 002234-20-0 | 86 |
| 3 | 1H-Indene, 2,3-dihydro-2-methyl- | 132 | C10H12 | 000824-63-5 | 64 |
| 4 | Benzene, 1-ethenyl-3-ethyl- | 132 | C10H12 | 007525-62-4 | 64 |
| 5 | 1-Phenyl-1-butene | 132 | C10H12 | 000824-90-8 | 64 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100319\
Data File : BM022929.D
Acq On : 03 Oct 2019 20:25
Operator : JU
Sample : K4983-18
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

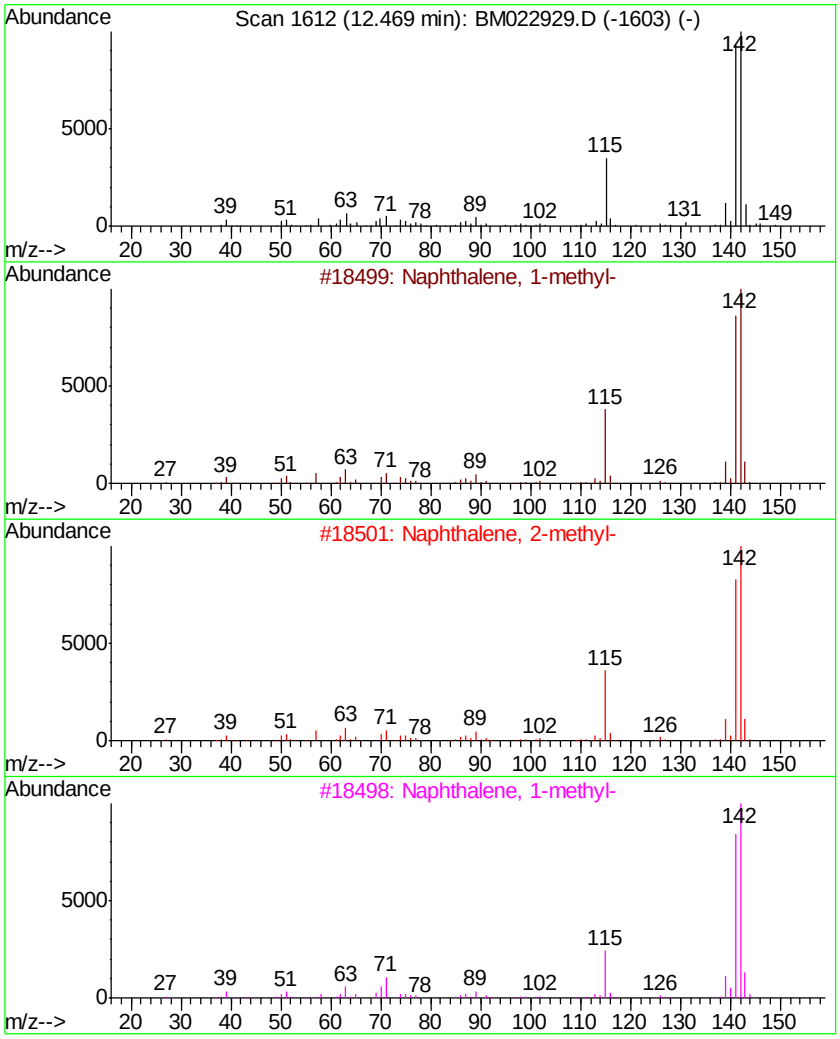
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

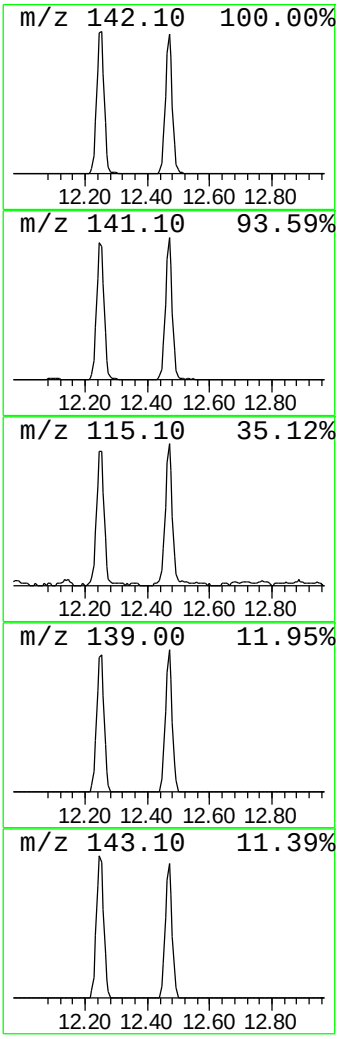
**********

Peak Number 12 Naphthalene, 1-methyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.47 | 3.27 ng/ul | 351691 | Naphthalene-d8 | 10.59 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1-methyl- | 142 | C11H10 | 000090-12-0 | 96 |
| 2 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 96 |
| 3 | Naphthalene, 1-methyl- | 142 | C11H10 | 000090-12-0 | 94 |
| 4 | Benzocycloheptatriene | 142 | C11H10 | 000264-09-5 | 91 |
| 5 | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10 | 004453-90-1 | 91 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100319\
Data File : BM022929.D
Acq On : 03 Oct 2019 20:25
Operator : JU
Sample : K4983-18
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

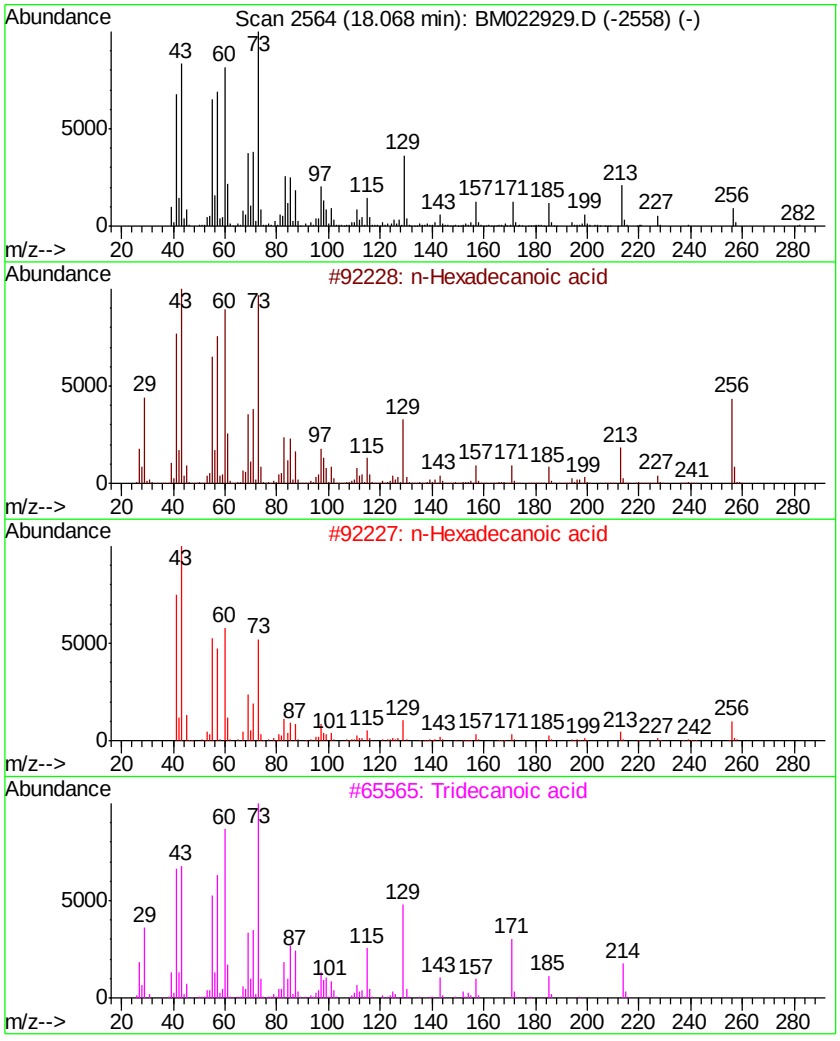
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

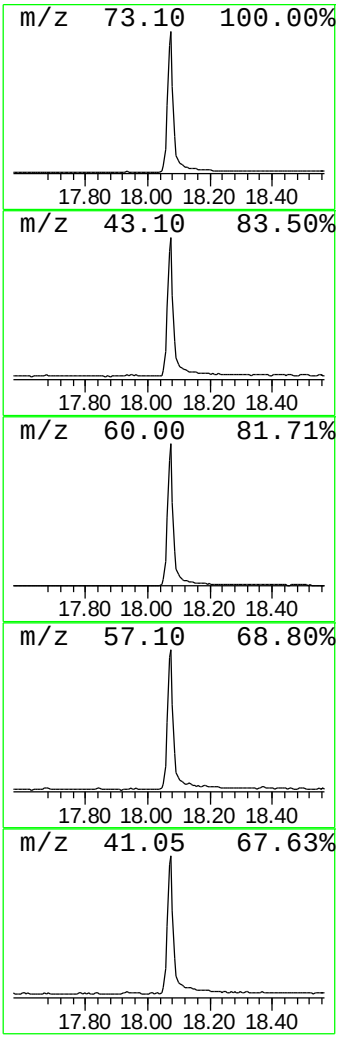
**********

Peak Number 13 n-Hexadecanoic acid Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.07 | 9.57 ng/ul | 1610540 | Phenanthrene-d10 | 17.17 |

| 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 | 98 |
| 3 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 95 |
| 4 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 91 |
| 5 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 87 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100319\
Data File : BM022929.D
Acq On : 03 Oct 2019 20:25
Operator : JU
Sample : K4983-18
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

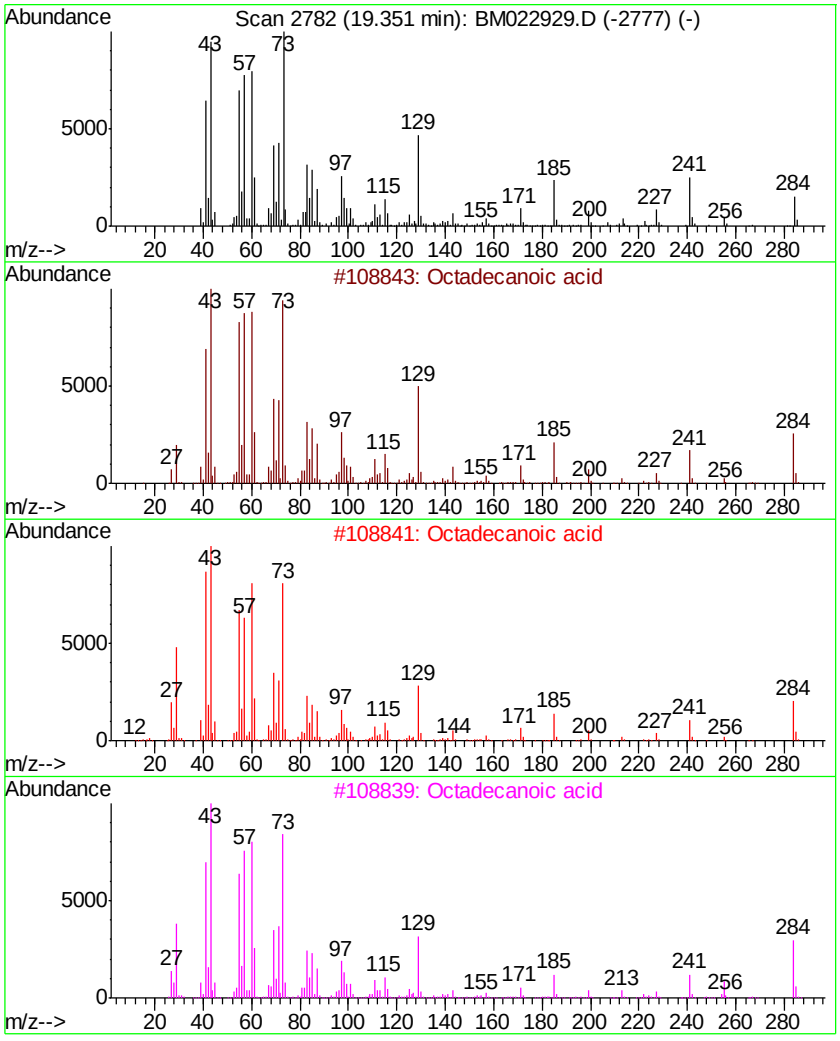
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

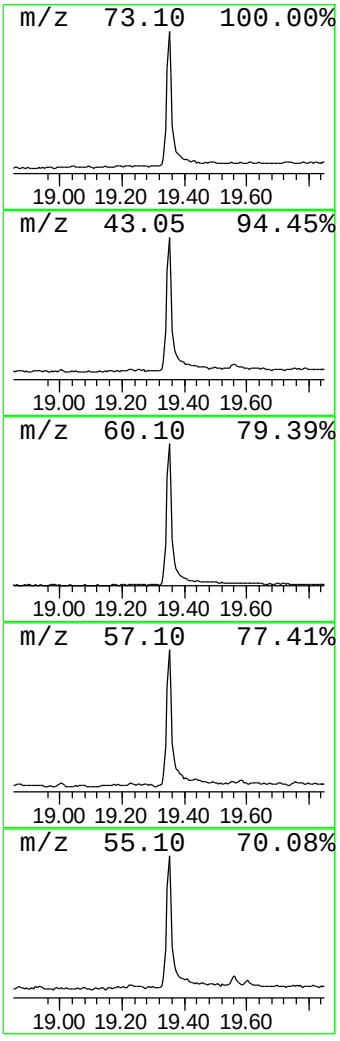
**********

Peak Number 14 Octadecanoic acid Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.35 | 5.78 ng/ul | 855342 | Chrysene-d12 | 21.35 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 99 |
| 2 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 98 |
| 3 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 93 |
| 4 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 93 |
| 5 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 83 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100319\
Data File : BM022929.D
Acq On : 03 Oct 2019 20:25
Operator : JU
Sample : K4983-18
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

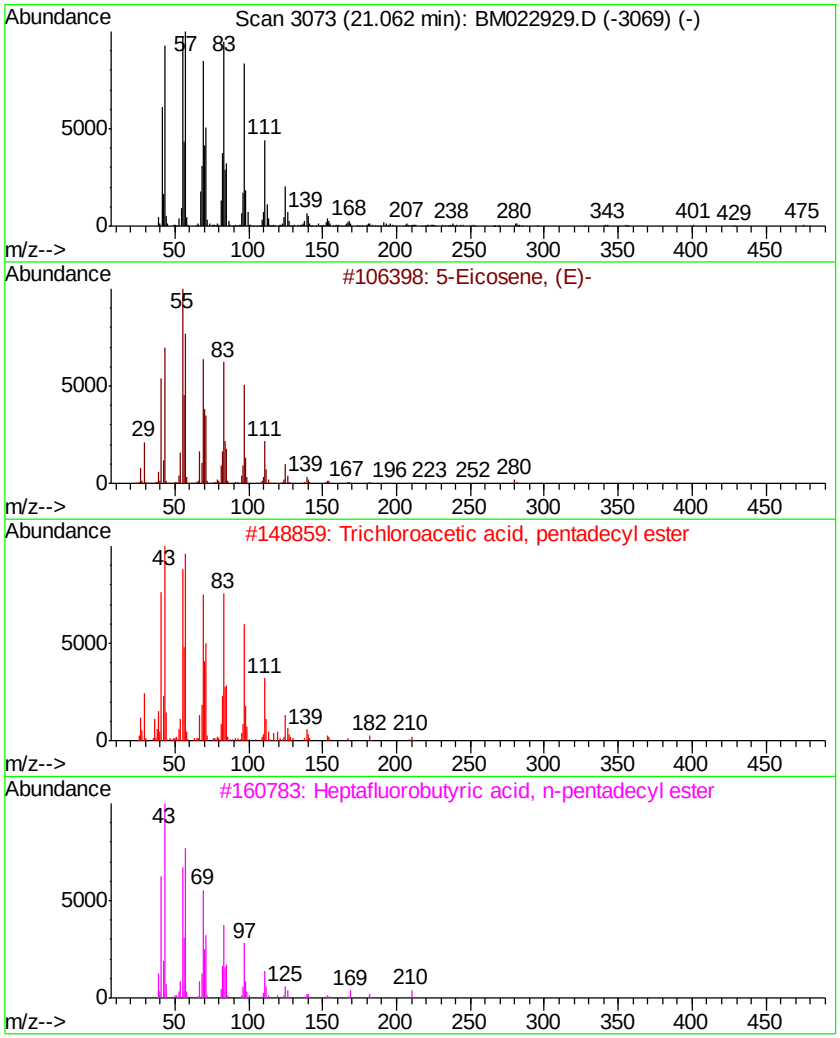
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

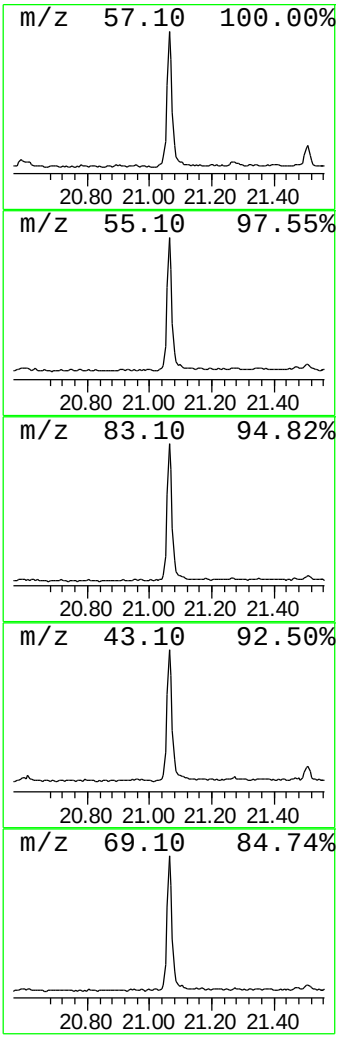
**********

Peak Number 15 (DEL) Alkane: Cyclic21.06 Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.06 | 4.54 ng/ul | 671346 | Chrysene-d12 | 21.35 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 5-Eicosene, (E)- | 280 | C20H40 | 074685-30-6 | 98 |
| 2 | Trichloroacetic acid, pentadecyl... | 372 | C17H31Cl3O2 | 074339-53-0 | 91 |
| 3 | Heptafluorobutyric acid, n-penta... | 424 | C19H31F7O2 | 1000216-79-3 | 91 |
| 4 | Trifluoroacetic acid, n-octadecy... | 366 | C20H37F3O2 | 079392-43-1 | 91 |
| 5 | 1-Heneicosyl formate | 340 | C22H44O2 | 077899-03-7 | 91 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM100319\
Data File : BM022929.D
Acq On : 03 Oct 2019 20:25
Operator : JU
Sample : K4983-18
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Propanoic acid, 1... | 3.73 | 3.0 | ng/ul | 211385 | 1 | 7.79 | 1384090 | 20.0 |
| Propanoic acid, 2... | 4.26 | 6.7 | ng/ul | 460566 | 1 | 7.79 | 1384090 | 20.0 |
| Propanoic acid, p... | 4.44 | 10.2 | ng/ul | 704293 | 1 | 7.79 | 1384090 | 20.0 |
| Butanoic acid, 1-... | 4.89 | 12.0 | ng/ul | 829891 | 1 | 7.79 | 1384090 | 20.0 |
| o-Xylene | 5.45 | 4.0 | ng/ul | 280197 | 1 | 7.79 | 1384090 | 20.0 |
| p-Xylene | 5.82 | 2.4 | ng/ul | 163496 | 1 | 7.79 | 1384090 | 20.0 |
| Hexanoic acid | 6.82 | 2.1 | ng/ul | 147782 | 1 | 7.79 | 1384090 | 20.0 |
| Benzene, 1,2,3-tr... | 7.45 | 5.0 | ng/ul | 346803 | 1 | 7.79 | 1384090 | 20.0 |
| Benzene, 1,3,5-tr... | 7.91 | 2.6 | ng/ul | 182088 | 1 | 7.79 | 1384090 | 20.0 |
| Indane | 8.17 | 2.5 | ng/ul | 175696 | 1 | 7.79 | 1384090 | 20.0 |
| Benzene, 2-etheny... | 9.99 | 2.3 | ng/ul | 245349 | 2 | 10.59 | 2153900 | 20.0 |
| Naphthalene, 1-me... | 12.47 | 3.3 | ng/ul | 351691 | 2 | 10.59 | 2153900 | 20.0 |
| n-Hexadecanoic acid | 18.07 | 9.6 | ng/ul | 1610540 | 4 | 17.17 | 3366580 | 20.0 |
| Octadecanoic acid | 19.35 | 5.8 | ng/ul | 855342 | 5 | 21.35 | 2959480 | 20.0 |
| (DEL) Alkane: Cyc... | 21.06 | 4.5 | ng/ul | 671346 | 5 | 21.35 | 2959480 | 20.0 |