LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100819\
Data File : BM023079.D
Acq On : 09 Oct 2019 12:34
Operator : JU
Sample : K5028-12
Misc :
ALS Vial : 46 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDL7

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 | 3.063 | 10 | 13 | 21 | rVB | 28510 | 40942 | 1.07% | 0.080% |
| 2 | 3.146 | 24 | 27 | 36 | rVB | 31682 | 50564 | 1.33% | 0.099% |
| 3 | 3.257 | 42 | 46 | 47 | rBV | 60464 | 67223 | 1.76% | 0.132% |
| 4 | 3.281 | 47 | 50 | 66 | rVV | 1334243 | 1685937 | 44.22% | 3.307% |
| 5 | 3.651 | 109 | 113 | 119 | rVV | 52303 | 71826 | 1.88% | 0.141% |
| 6 | 3.710 | 119 | 123 | 140 | rVB | 196660 | 263016 | 6.90% | 0.516% |
| 7 | 3.969 | 162 | 167 | 175 | rVB2 | 43272 | 85970 | 2.25% | 0.169% |
| 8 | 4.128 | 191 | 194 | 204 | rVB | 27389 | 38566 | 1.01% | 0.076% |
| 9 | 4.246 | 209 | 214 | 221 | rBV | 408599 | 512617 | 13.44% | 1.006% |
| 10 | 4.316 | 222 | 226 | 236 | rVV2 | 45338 | 73661 | 1.93% | 0.145% |
| 11 | 4.422 | 239 | 244 | 252 | rVV | 498472 | 634497 | 16.64% | 1.245% |
| 12 | 4.875 | 313 | 321 | 332 | rBV | 638829 | 853758 | 22.39% | 1.675% |
| 13 | 5.375 | 399 | 406 | 409 | rBV | 22550 | 33367 | 0.88% | 0.065% |
| 14 | 5.428 | 409 | 415 | 423 | rVB | 248457 | 383644 | 10.06% | 0.753% |
| 15 | 5.734 | 462 | 467 | 473 | rVV | 76731 | 109844 | 2.88% | 0.215% |
| 16 | 5.793 | 473 | 477 | 483 | rVV | 36785 | 54470 | 1.43% | 0.107% |
| 17 | 6.269 | 553 | 558 | 564 | rVB | 41121 | 59941 | 1.57% | 0.118% |
| 18 | 6.763 | 637 | 642 | 656 | rBV2 | 35034 | 83950 | 2.20% | 0.165% |
| 19 | 6.939 | 664 | 672 | 680 | rVV3 | 145377 | 344504 | 9.04% | 0.676% |
| 20 | 7.104 | 694 | 700 | 707 | rBV | 532398 | 856550 | 22.47% | 1.680% |
| 21 | 7.163 | 707 | 710 | 719 | rVB | 47007 | 74904 | 1.96% | 0.147% |
| 22 | 7.304 | 727 | 734 | 744 | rBV | 500879 | 760915 | 19.96% | 1.493% |
| 23 | 7.422 | 748 | 754 | 762 | rVB | 109127 | 168272 | 4.41% | 0.330% |
| 24 | 7.769 | 806 | 813 | 822 | rBV | 682601 | 1084097 | 28.43% | 2.127% |
| 25 | 7.839 | 822 | 825 | 829 | rVV | 19809 | 32236 | 0.85% | 0.063% |
| 26 | 7.886 | 829 | 833 | 841 | rVB2 | 51666 | 89090 | 2.34% | 0.175% |
| 27 | 8.145 | 869 | 877 | 885 | rVB | 64280 | 112751 | 2.96% | 0.221% |
| 28 | 8.416 | 918 | 923 | 927 | rVV2 | 24474 | 39181 | 1.03% | 0.077% |
| 29 | 8.475 | 927 | 933 | 946 | rVV | 381011 | 618917 | 16.23% | 1.214% |
| 30 | 8.575 | 946 | 950 | 959 | rVV3 | 15734 | 41821 | 1.10% | 0.082% |
| 31 | 8.875 | 995 | 1001 | 1004 | rBV | 69356 | 104399 | 2.74% | 0.205% |
| 32 | 8.922 | 1004 | 1009 | 1021 | rVV | 516602 | 909922 | 23.87% | 1.785% |
| 33 | 9.398 | 1086 | 1090 | 1095 | rVV | 38558 | 56777 | 1.49% | 0.111% |
| 34 | 9.457 | 1095 | 1100 | 1109 | rVB | 43637 | 73063 | 1.92% | 0.143% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100819\
Data File : BM023079.D
Acq On : 09 Oct 2019 12:34
Operator : JU
Sample : K5028-12
Misc :
ALS Vial : 46 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDL7

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 | 9.645 | 1124 | 1132 | 1141 | rBV | 426417 | 717067 | 18.81% | 1.407% |
| 36 | 9.816 | 1156 | 1161 | 1168 | rVV2 | 32035 | 61329 | 1.61% | 0.120% |
| 37 | 9.880 | 1168 | 1172 | 1177 | rVV | 26428 | 44446 | 1.17% | 0.087% |
| 38 | 9.969 | 1177 | 1187 | 1194 | rVV4 | 96993 | 201888 | 5.30% | 0.396% |
| 39 | 10.110 | 1206 | 1211 | 1216 | rVV6 | 16982 | 36830 | 0.97% | 0.072% |
| 40 | 10.180 | 1216 | 1223 | 1233 | rVV | 723382 | 1182468 | 31.01% | 2.320% |
| 41 | 10.557 | 1278 | 1287 | 1293 | rBV | 954905 | 1617443 | 42.42% | 3.173% |
| 42 | 10.610 | 1293 | 1296 | 1303 | rVB | 119737 | 187048 | 4.91% | 0.367% |
| 43 | 10.692 | 1303 | 1310 | 1321 | rBV | 604200 | 1050013 | 27.54% | 2.060% |
| 44 | 11.904 | 1506 | 1516 | 1520 | rBV | 56406 | 99346 | 2.61% | 0.195% |
| 45 | 12.222 | 1565 | 1570 | 1575 | rVV | 106505 | 165832 | 4.35% | 0.325% |
| 46 | 12.445 | 1597 | 1608 | 1614 | rBV | 227851 | 377389 | 9.90% | 0.740% |
| 47 | 13.004 | 1697 | 1703 | 1710 | rVB5 | 14028 | 34048 | 0.89% | 0.067% |
| 48 | 13.251 | 1741 | 1745 | 1749 | rBV2 | 26363 | 38085 | 1.00% | 0.075% |
| 49 | 13.321 | 1751 | 1757 | 1765 | rVV3 | 62298 | 109965 | 2.88% | 0.216% |
| 50 | 13.463 | 1773 | 1781 | 1787 | rVB2 | 59896 | 123271 | 3.23% | 0.242% |
| 51 | 13.580 | 1794 | 1801 | 1806 | rVV4 | 44087 | 102670 | 2.69% | 0.201% |
| 52 | 13.727 | 1820 | 1826 | 1831 | rBV | 93690 | 166166 | 4.36% | 0.326% |
| 53 | 13.780 | 1831 | 1835 | 1836 | rVV | 58556 | 70789 | 1.86% | 0.139% |
| 54 | 13.816 | 1836 | 1841 | 1846 | rVV | 1275910 | 1783184 | 46.77% | 3.498% |
| 55 | 13.863 | 1846 | 1849 | 1861 | rVB | 495064 | 656221 | 17.21% | 1.287% |
| 56 | 13.963 | 1861 | 1866 | 1870 | rBV | 52782 | 88646 | 2.32% | 0.174% |
| 57 | 13.998 | 1870 | 1872 | 1879 | rVB4 | 28203 | 44410 | 1.16% | 0.087% |
| 58 | 14.098 | 1879 | 1889 | 1900 | rBV | 1509713 | 2263645 | 59.37% | 4.441% |
| 59 | 14.410 | 1933 | 1942 | 1948 | rBV | 1380970 | 2122296 | 55.66% | 4.163% |
| 60 | 14.468 | 1948 | 1952 | 1959 | rVB | 252158 | 372326 | 9.77% | 0.730% |
| 61 | 14.604 | 1970 | 1975 | 1982 | rBV2 | 100234 | 170690 | 4.48% | 0.335% |
| 62 | 14.804 | 2005 | 2009 | 2018 | rVV3 | 46818 | 106285 | 2.79% | 0.208% |
| 63 | 14.886 | 2018 | 2023 | 2027 | rVB | 34549 | 48892 | 1.28% | 0.096% |
| 64 | 15.027 | 2041 | 2047 | 2052 | rBV3 | 29375 | 54508 | 1.43% | 0.107% |
| 65 | 15.186 | 2065 | 2074 | 2075 | rBV2 | 38670 | 74471 | 1.95% | 0.146% |
| 66 | 15.398 | 2102 | 2110 | 2116 | rBV | 1868780 | 2755314 | 72.27% | 5.405% |
| 67 | 15.457 | 2116 | 2120 | 2124 | rVB | 101105 | 150979 | 3.96% | 0.296% |
| 68 | 15.515 | 2124 | 2130 | 2138 | rBV | 488099 | 673619 | 17.67% | 1.321% |
| 69 | 15.633 | 2145 | 2150 | 2153 | rBV2 | 39783 | 60829 | 1.60% | 0.119% |
| 70 | 15.745 | 2164 | 2169 | 2172 | rBV3 | 19473 | 31978 | 0.84% | 0.063% |
| 71 | 15.910 | 2192 | 2197 | 2202 | rVB | 141721 | 198707 | 5.21% | 0.390% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100819\
Data File : BM023079.D
Acq On : 09 Oct 2019 12:34
Operator : JU
Sample : K5028-12
Misc :
ALS Vial : 46 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDL7

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 | 16.074 | 2221 | 2225 | 2230 | rBV | 38024 | 61199 | 1.61% | 0.120% |
| 73 | 16.127 | 2230 | 2234 | 2237 | rBV4 | 29322 | 43688 | 1.15% | 0.086% |
| 74 | 16.415 | 2279 | 2283 | 2286 | rBV | 59038 | 88697 | 2.33% | 0.174% |
| 75 | 16.604 | 2311 | 2315 | 2321 | rVB | 19690 | 32778 | 0.86% | 0.064% |
| 76 | 16.962 | 2373 | 2376 | 2381 | rVB | 26947 | 36491 | 0.96% | 0.072% |
| 77 | 17.145 | 2401 | 2407 | 2412 | rBV2 | 1531472 | 2212863 | 58.04% | 4.341% |
| 78 | 17.186 | 2412 | 2414 | 2419 | rVV | 187926 | 242843 | 6.37% | 0.476% |
| 79 | 17.245 | 2419 | 2424 | 2434 | rVB | 2081234 | 2857747 | 74.95% | 5.606% |
| 80 | 17.545 | 2472 | 2475 | 2481 | rVB | 29558 | 47508 | 1.25% | 0.093% |
| 81 | 17.768 | 2510 | 2513 | 2517 | rVB2 | 34076 | 43830 | 1.15% | 0.086% |
| 82 | 18.051 | 2553 | 2561 | 2571 | rBV3 | 386857 | 664745 | 17.43% | 1.304% |
| 83 | 18.209 | 2583 | 2588 | 2593 | rBV2 | 59039 | 110124 | 2.89% | 0.216% |
| 84 | 19.174 | 2749 | 2752 | 2754 | rBV2 | 32170 | 42442 | 1.11% | 0.083% |
| 85 | 19.203 | 2754 | 2757 | 2762 | rVB | 71348 | 92123 | 2.42% | 0.181% |
| 86 | 19.268 | 2765 | 2768 | 2774 | rVB3 | 37841 | 45113 | 1.18% | 0.088% |
| 87 | 19.327 | 2774 | 2778 | 2787 | rBV2 | 177356 | 301414 | 7.91% | 0.591% |
| 88 | 19.539 | 2808 | 2814 | 2819 | rBV | 2452780 | 3506027 | 91.95% | 6.878% |
| 89 | 19.580 | 2819 | 2821 | 2829 | rVB | 560768 | 720708 | 18.90% | 1.414% |
| 90 | 20.097 | 2906 | 2909 | 2914 | rVB | 58686 | 66467 | 1.74% | 0.130% |
| 91 | 20.592 | 2990 | 2993 | 2997 | rVB | 81798 | 79653 | 2.09% | 0.156% |
| 92 | 21.050 | 3067 | 3071 | 3077 | rBV2 | 389321 | 510777 | 13.40% | 1.002% |
| 93 | 21.327 | 3113 | 3118 | 3124 | rBV | 1868472 | 2464711 | 64.64% | 4.835% |
| 94 | 21.491 | 3142 | 3146 | 3153 | rBV | 196064 | 240477 | 6.31% | 0.472% |
| 95 | 21.927 | 3216 | 3220 | 3230 | rVB | 246060 | 336901 | 8.84% | 0.661% |
| 96 | 22.391 | 3295 | 3299 | 3305 | rBV | 296232 | 378528 | 9.93% | 0.743% |
| 97 | 22.903 | 3382 | 3386 | 3391 | rVB | 281555 | 396328 | 10.39% | 0.777% |
| 98 | 23.438 | 3470 | 3477 | 3491 | rBV | 1869981 | 3812771 | 100.00% | 7.480% |
| 99 | 23.580 | 3495 | 3501 | 3512 | rVB | 1354186 | 2571230 | 67.44% | 5.044% |
| 100 | 24.127 | 3590 | 3594 | 3601 | rVB | 239535 | 453754 | 11.90% | 0.890% |

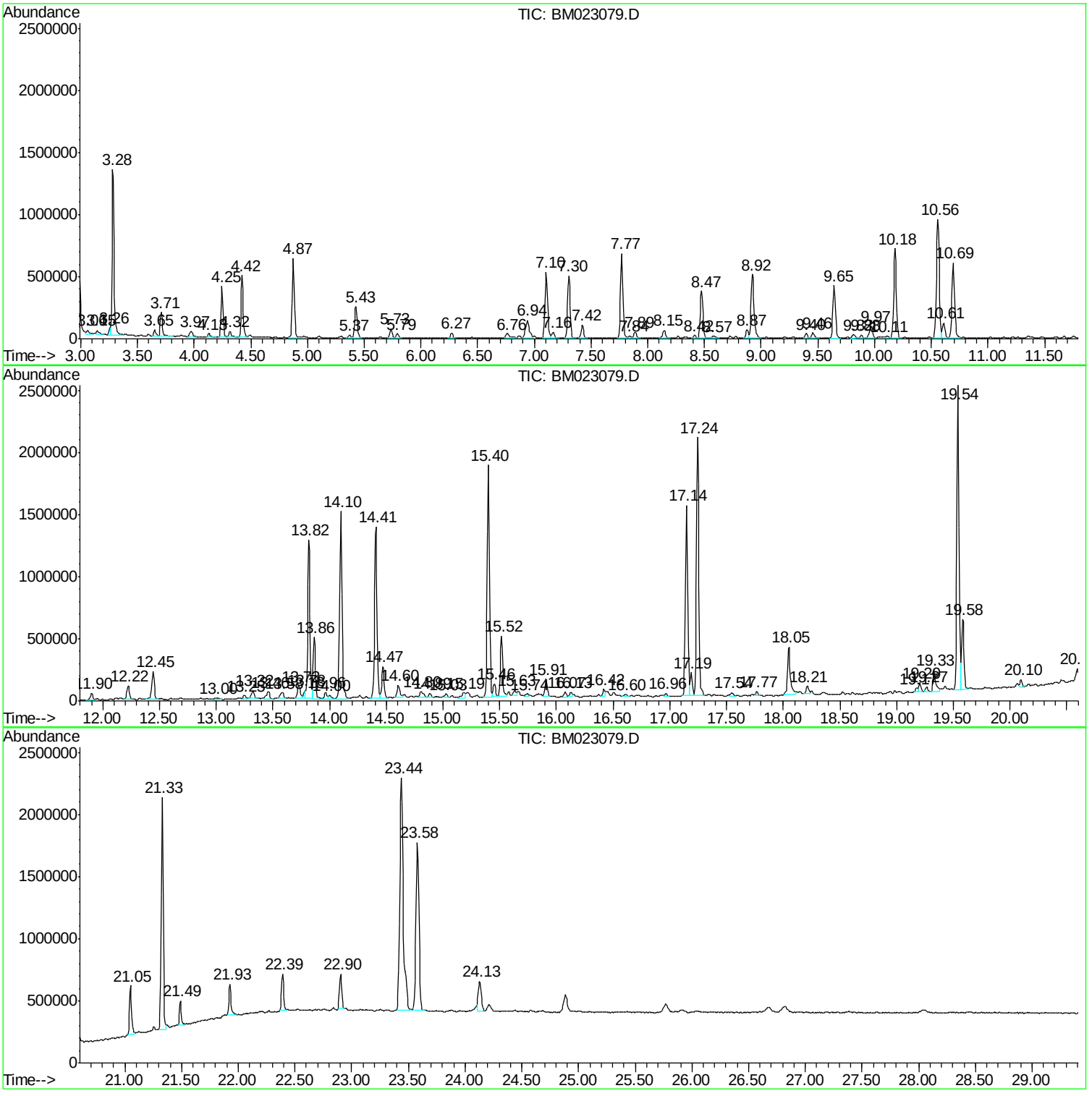
Sum of corrected areas: 50976222

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100819\
Data File : BM023079.D
Acq On : 09 Oct 2019 12:34
Operator : JU
Sample : K5028-12
Misc :
ALS Vial : 46 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDL7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.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\BM100819\
Data File : BM023079.D
Acq On : 09 Oct 2019 12:34
Operator : JU
Sample : K5028-12
Misc :
ALS Vial : 46 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDL7

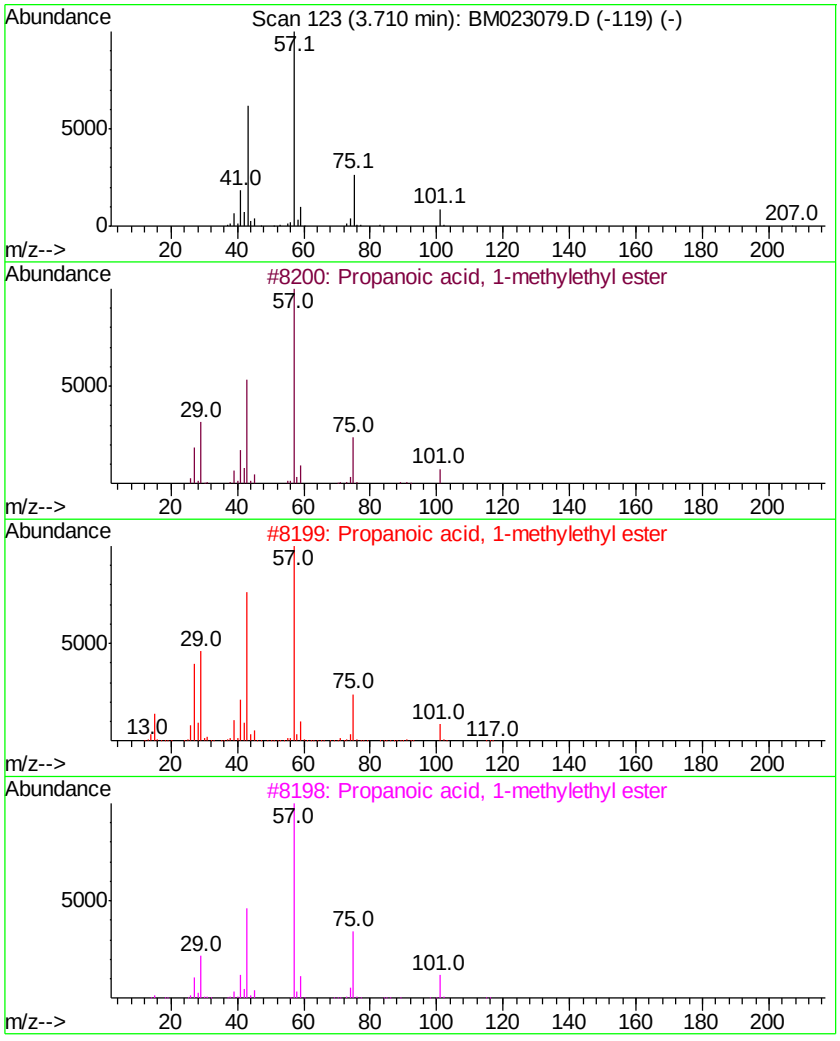
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

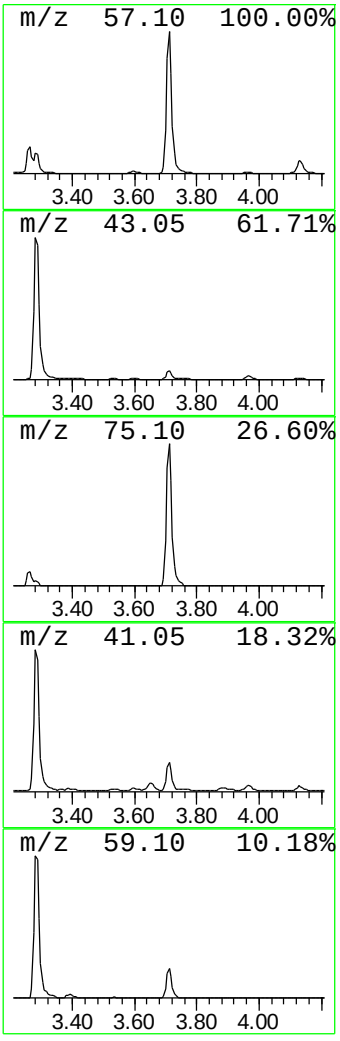
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 Propanoic acid, 1-methyleth... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.71 | 4.85 ng/ul | 263016 | 1,4-Dichlorobenzene-d4 | 7.77 |

| 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 | 74 |
| 3 | Propanoic acid, 1-methylethyl ester | 116 | C6H12O2 | 000637-78-5 | 72 |
| 4 | Propanoic acid, 1-methylethyl ester | 116 | C6H12O2 | 000637-78-5 | 53 |
| 5 | Propionic acid, 4-hydroxy-3-hexy... | 174 | C9H18O3 | 1000151-16-9 | 36 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100819\
Data File : BM023079.D
Acq On : 09 Oct 2019 12:34
Operator : JU
Sample : K5028-12
Misc :
ALS Vial : 46 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDL7

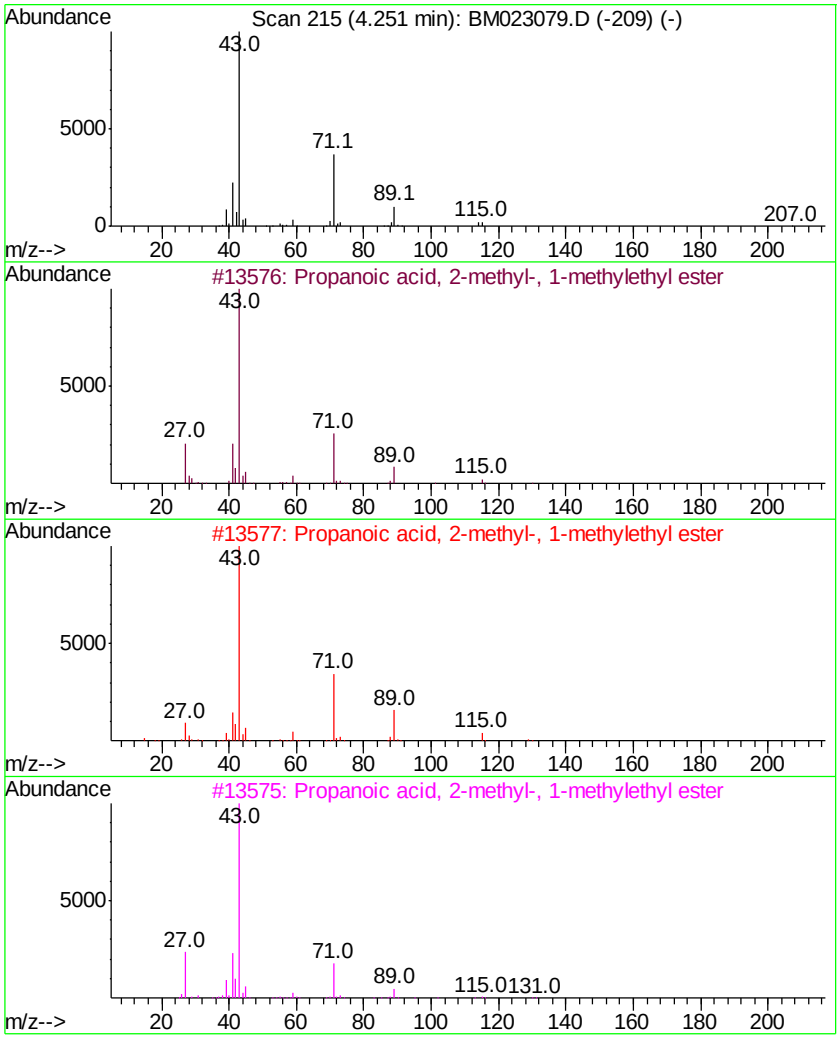
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

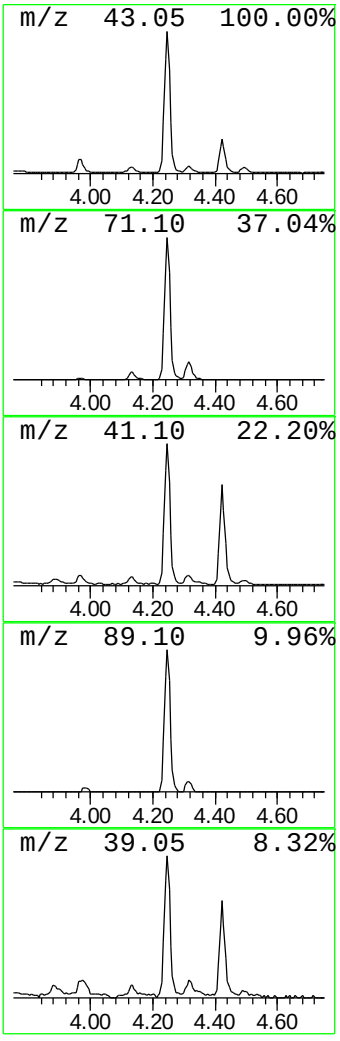
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 Propanoic acid, 2-methyl-, ... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.25 | 9.46 ng/ul | 512617 | 1,4-Dichlorobenzene-d4 | 7.77 |

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100819\
Data File : BM023079.D
Acq On : 09 Oct 2019 12:34
Operator : JU
Sample : K5028-12
Misc :
ALS Vial : 46 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDL7

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

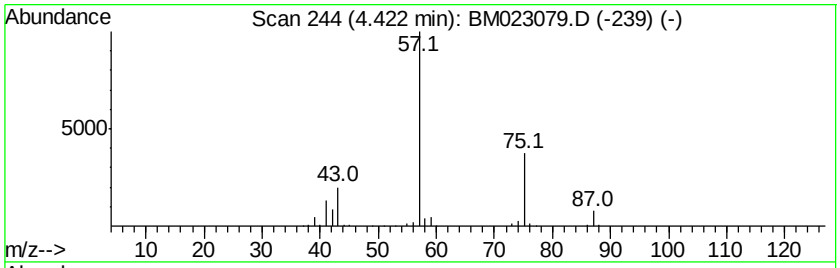
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

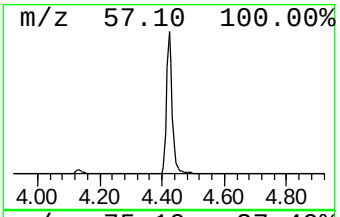
**********

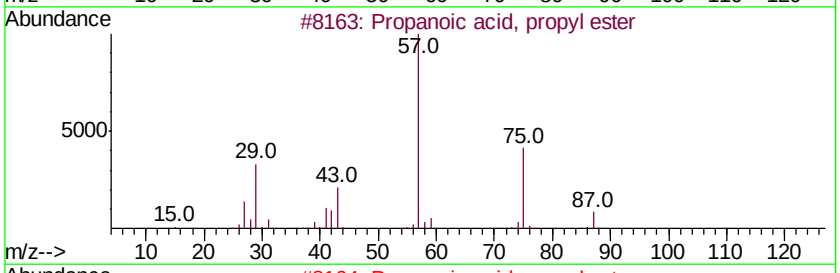
Peak Number 3 Propanoic acid, propyl ester Concentration Rank 2

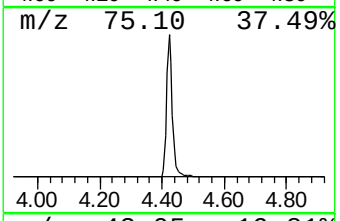
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.42 | 11.71 ng/ul | 634497 | 1,4-Dichlorobenzene-d4 | 7.77 |

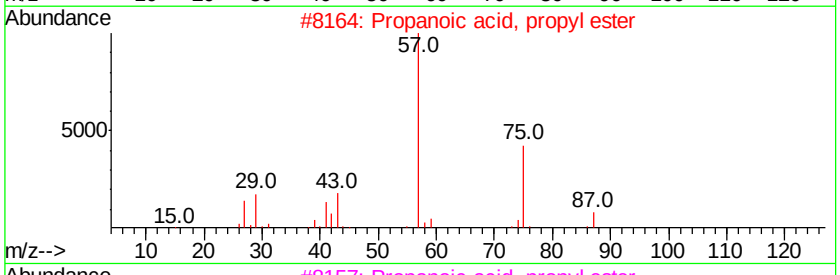
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propanoic acid, propyl ester | 116 | C6H12O2 | 000106-36-5 | 83 |
| 2 | Propanoic acid, propyl ester | 116 | C6H12O2 | 000106-36-5 | 83 |
| 3 | Propanoic acid, propyl ester | 116 | C6H12O2 | 000106-36-5 | 64 |
| 4 | Propanoic acid, propyl ester | 116 | C6H12O2 | 000106-36-5 | 64 |
| 5 | Propanoic acid, butyl ester | 130 | C7H14O2 | 000590-01-2 | 38 |

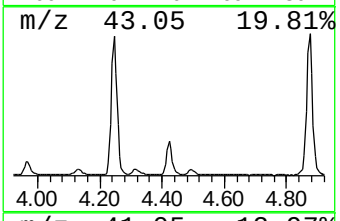


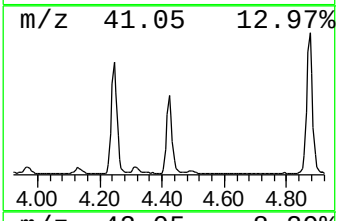



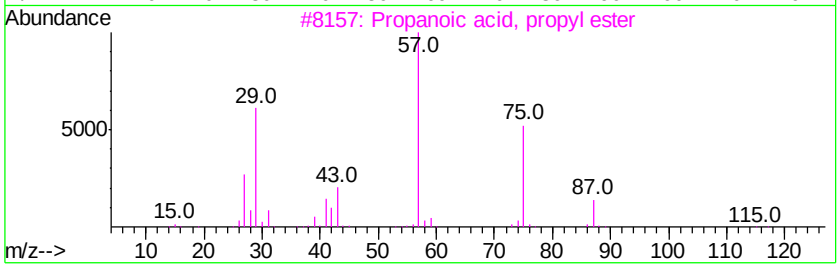



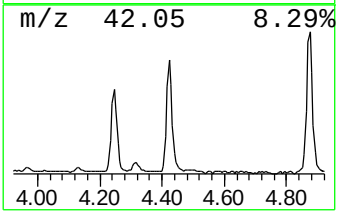



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100819\
Data File : BM023079.D
Acq On : 09 Oct 2019 12:34
Operator : JU
Sample : K5028-12
Misc :
ALS Vial : 46 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDL7

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

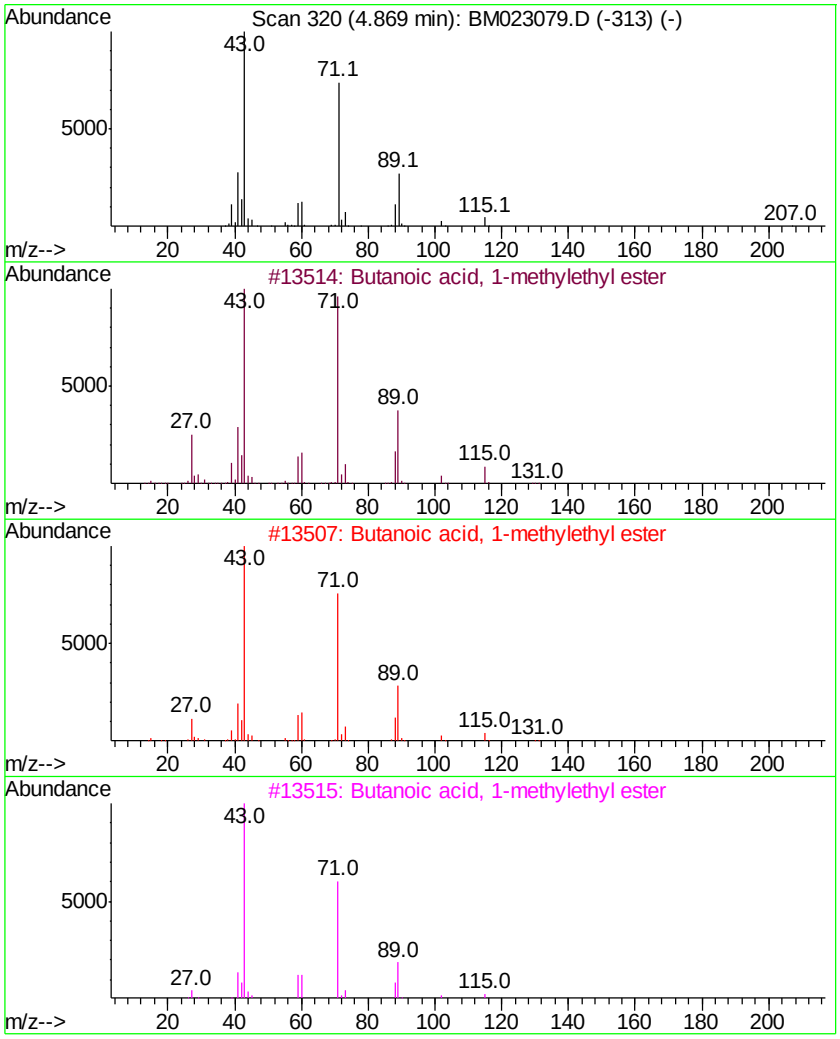
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

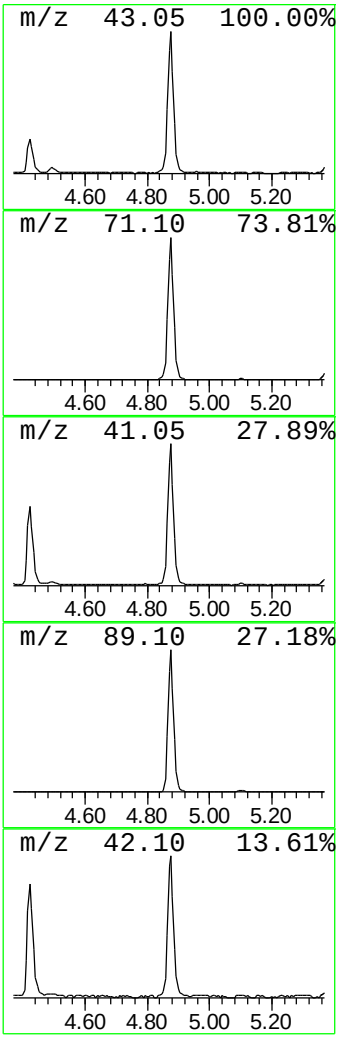
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.87 | 15.75 ng/ul | 853758 | 1,4-Dichlorobenzene-d4 | 7.77 |

| 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, 1-methylethyl ester | 130 | C7H14O2 | 000638-11-9 | 53 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100819\
Data File : BM023079.D
Acq On : 09 Oct 2019 12:34
Operator : JU
Sample : K5028-12
Misc :
ALS Vial : 46 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDL7

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

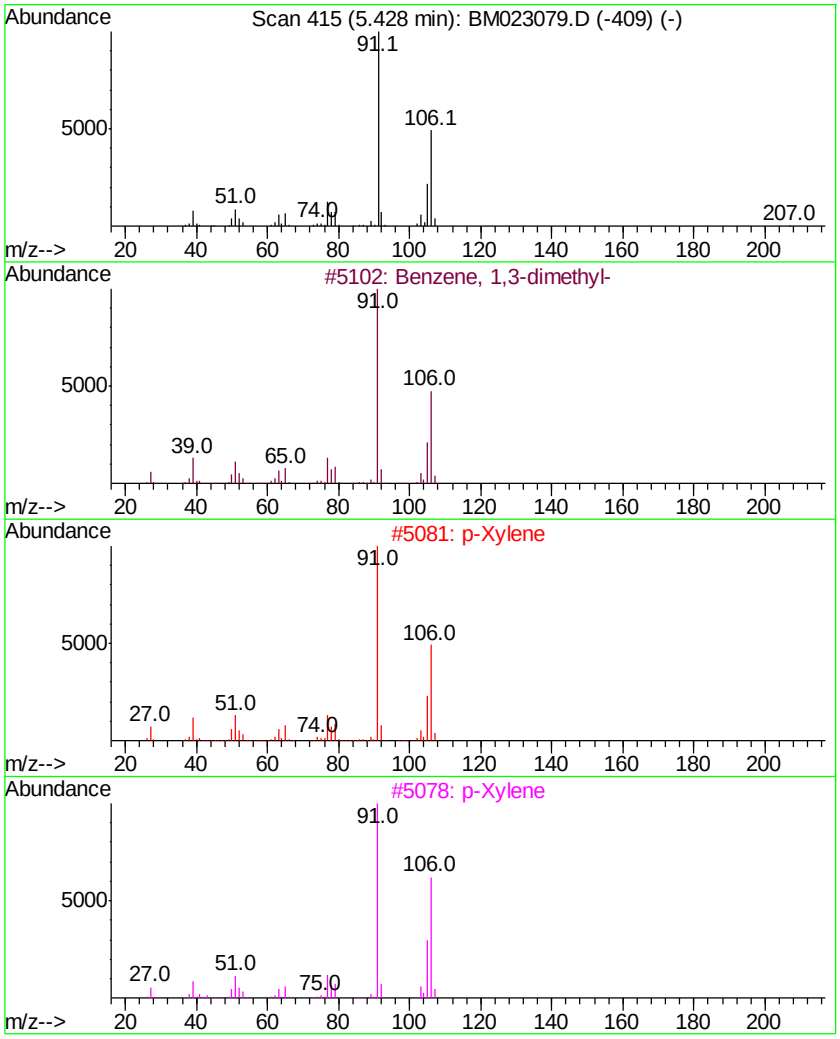
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

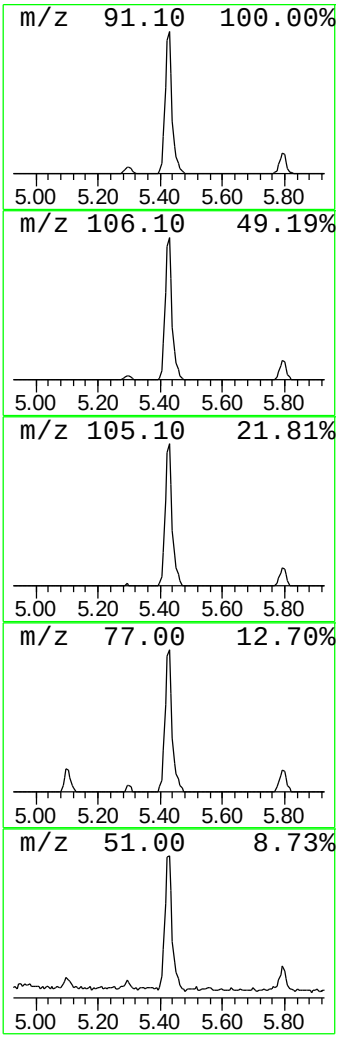
**********

Peak Number 5 Benzene, 1,3-dimethyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.43 | 7.08 ng/ul | 383644 | 1,4-Dichlorobenzene-d4 | 7.77 |

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100819\
Data File : BM023079.D
Acq On : 09 Oct 2019 12:34
Operator : JU
Sample : K5028-12
Misc :
ALS Vial : 46 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDL7

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

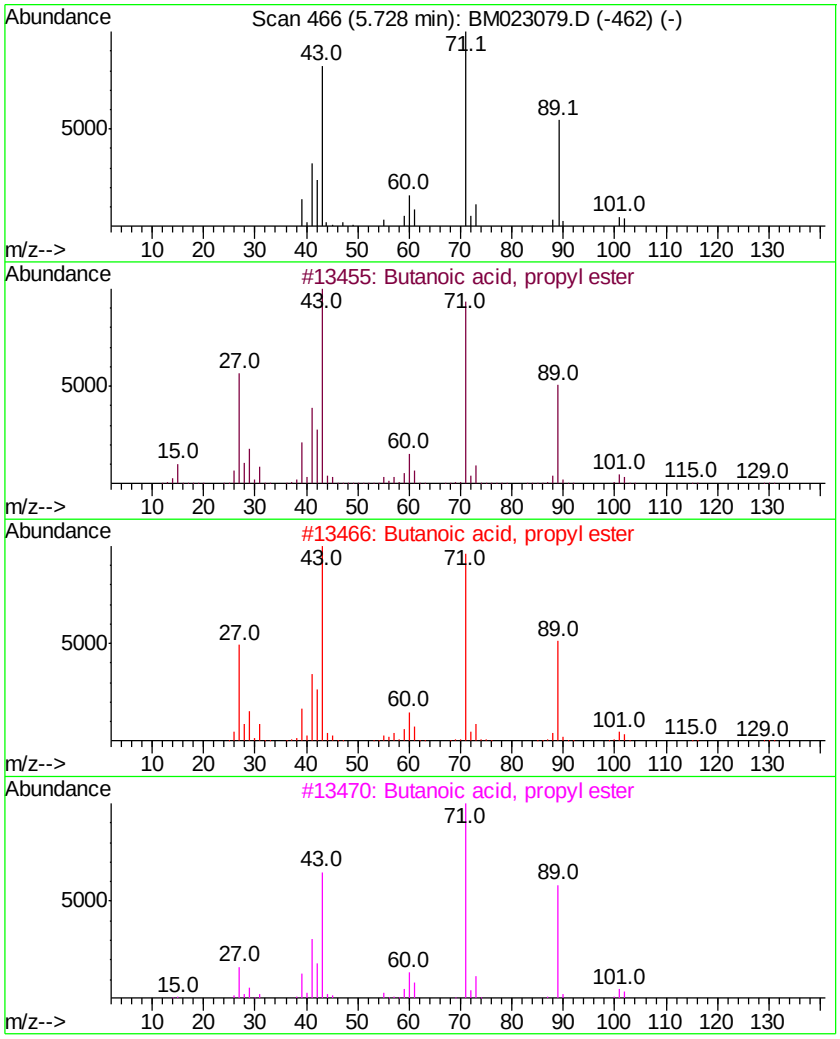
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

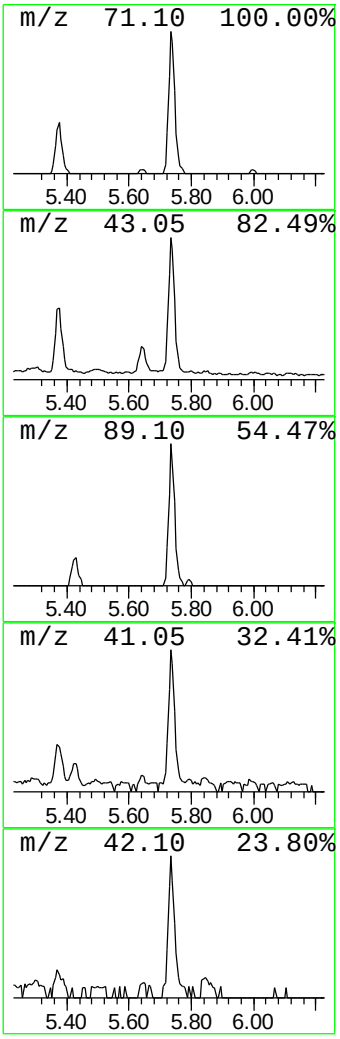
**********

Peak Number 6 Butanoic acid, propyl ester Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.73 | 2.03 ng/ul | 109844 | 1,4-Dichlorobenzene-d4 | 7.77 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butanoic acid, propyl ester | 130 | C7H14O2 | 000105-66-8 | 90 |
| 2 | Butanoic acid, propyl ester | 130 | C7H14O2 | 000105-66-8 | 90 |
| 3 | Butanoic acid, propyl ester | 130 | C7H14O2 | 000105-66-8 | 90 |
| 4 | Butanoic acid, propyl ester | 130 | C7H14O2 | 000105-66-8 | 86 |
| 5 | Butanoic acid, hexyl ester | 172 | C10H20O2 | 002639-63-6 | 78 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100819\
Data File : BM023079.D
Acq On : 09 Oct 2019 12:34
Operator : JU
Sample : K5028-12
Misc :
ALS Vial : 46 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDL7

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

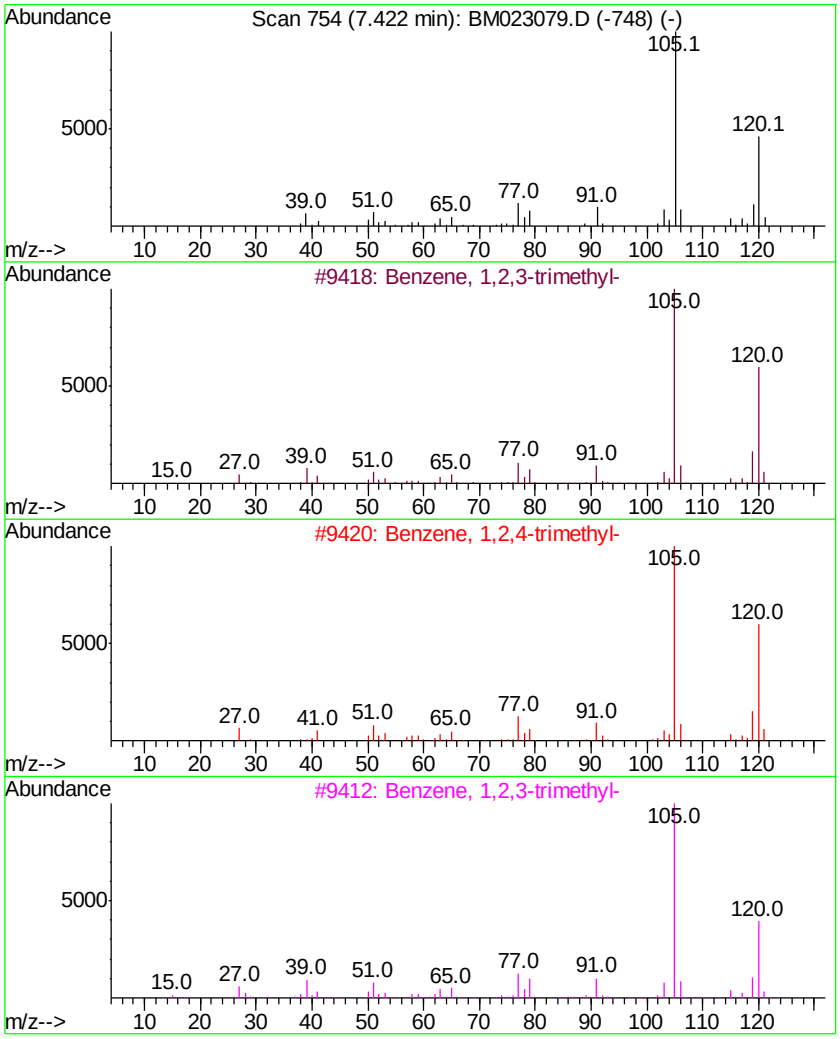
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

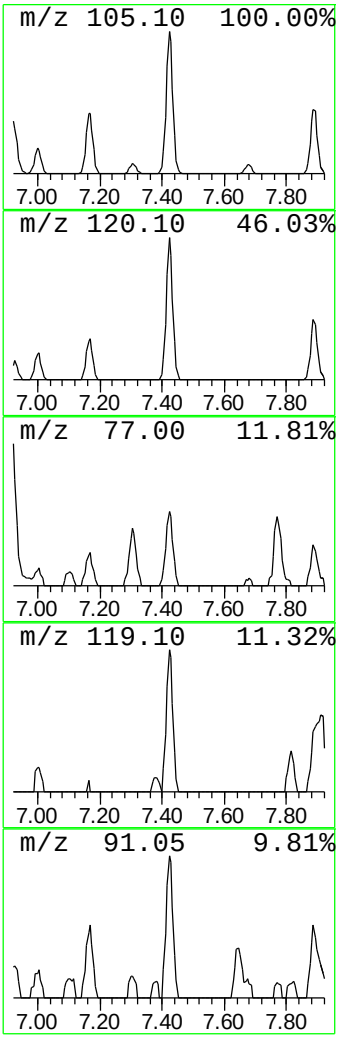
**********

Peak Number 7 Benzene, 1,2,3-trimethyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.42 | 3.10 ng/ul | 168272 | 1,4-Dichlorobenzene-d4 | 7.77 |

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100819\
Data File : BM023079.D
Acq On : 09 Oct 2019 12:34
Operator : JU
Sample : K5028-12
Misc :
ALS Vial : 46 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDL7

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

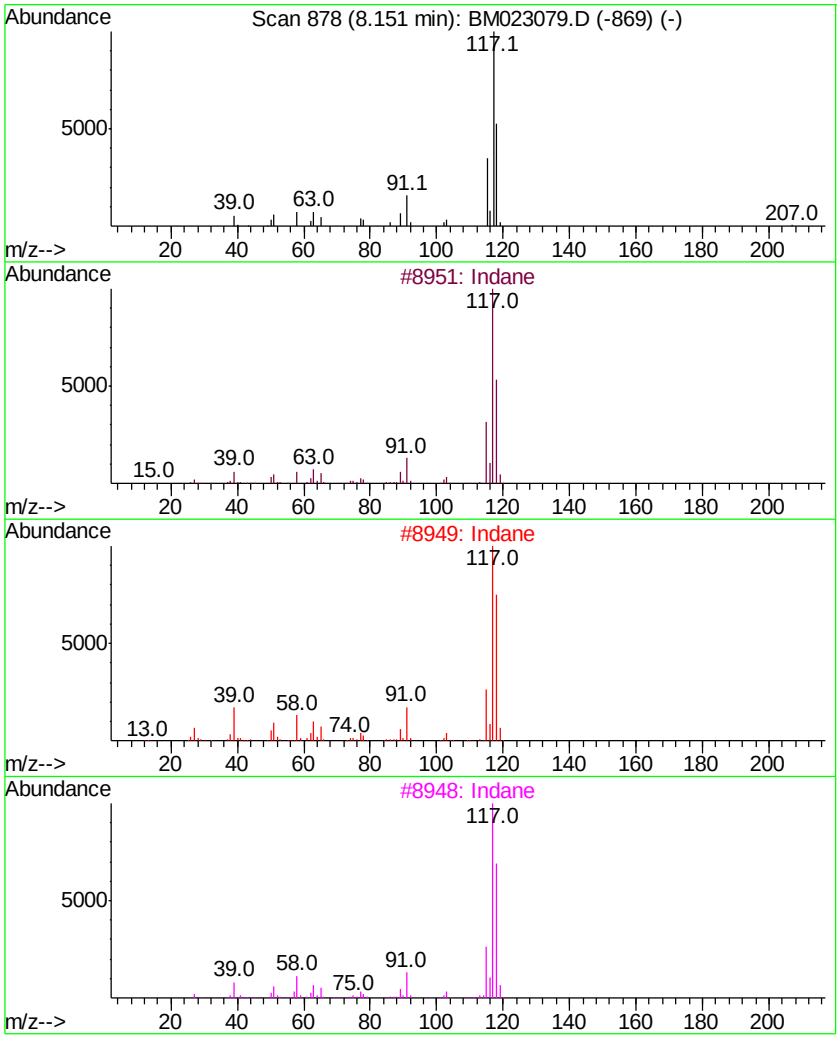
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

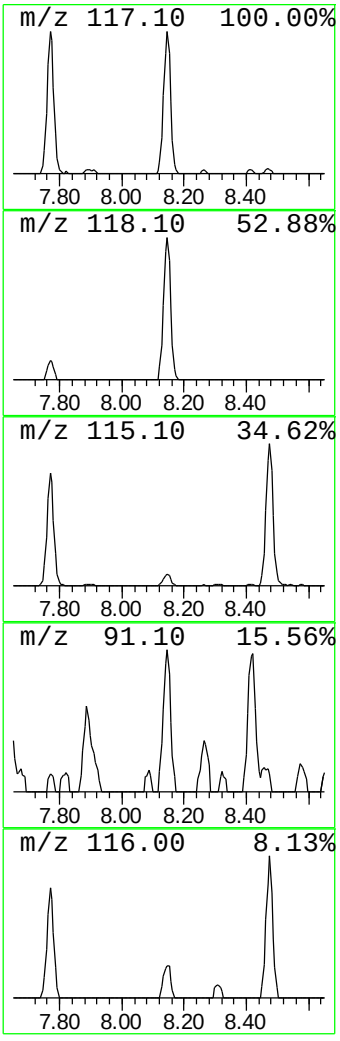
**********

Peak Number 8 Indane Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.15 | 2.08 ng/ul | 112751 | 1,4-Dichlorobenzene-d4 | 7.77 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indane | 118 | C9H10 | 000496-11-7 | 87 |
| 2 | Indane | 118 | C9H10 | 000496-11-7 | 87 |
| 3 | Indane | 118 | C9H10 | 000496-11-7 | 80 |
| 4 | (Z)-1-Phenylpropene | 118 | C9H10 | 000766-90-5 | 74 |
| 5 | Benzene, cyclopropyl- | 118 | C9H10 | 000873-49-4 | 72 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100819\
Data File : BM023079.D
Acq On : 09 Oct 2019 12:34
Operator : JU
Sample : K5028-12
Misc :
ALS Vial : 46 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDL7

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

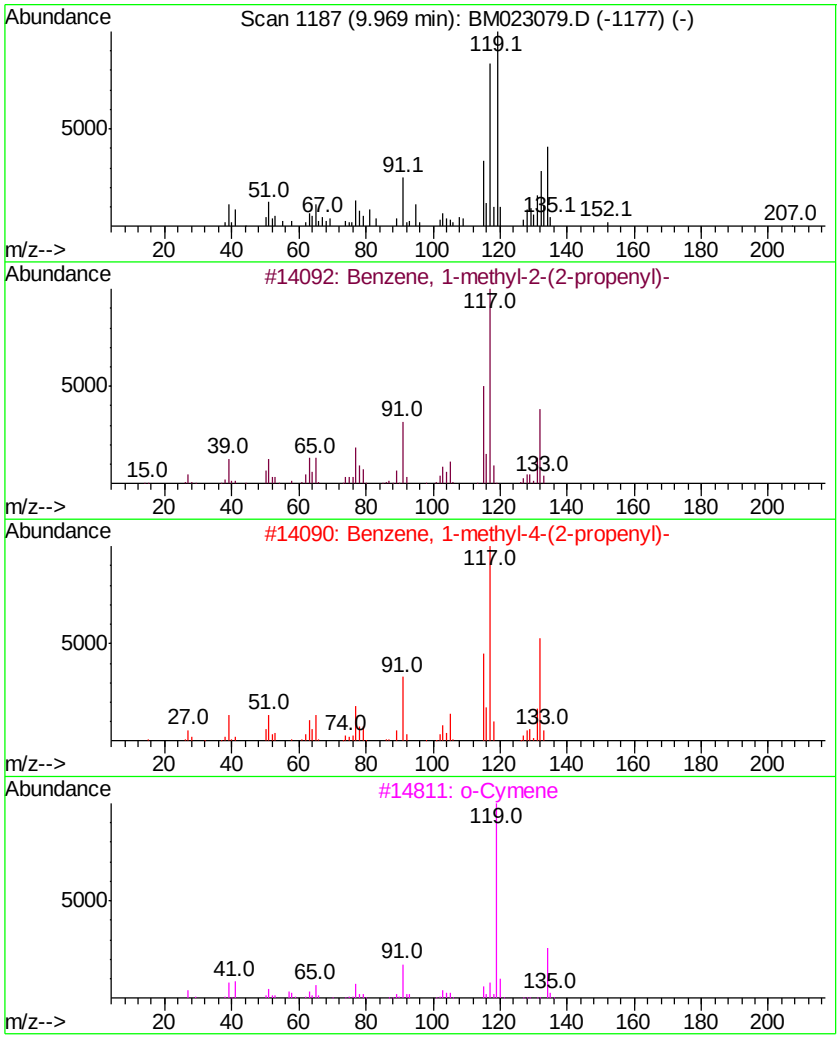
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

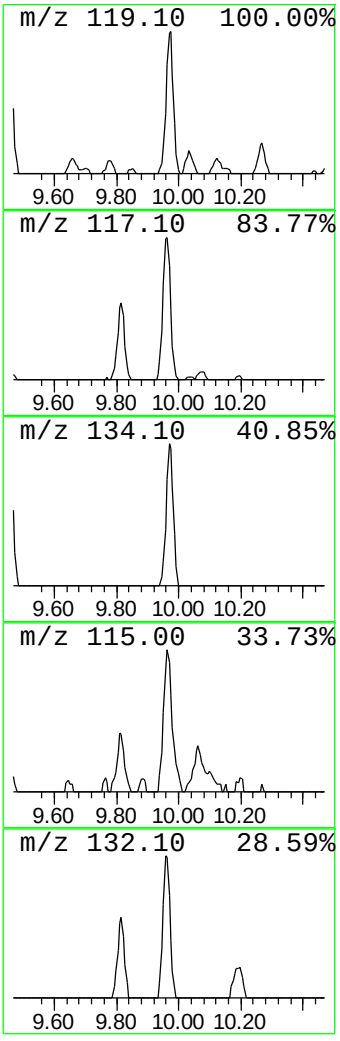
**********

Peak Number 9 Benzene, 1-methyl-2-(2-prop... Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.97 | 2.50 ng/ul | 201888 | Naphthalene-d8 | 10.56 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12 | 001587-04-8 | 62 |
| 2 | Benzene, 1-methyl-4-(2-propenyl)- | 132 | C10H12 | 003333-13-9 | 60 |
| 3 | o-Cymene | 134 | C10H14 | 000527-84-4 | 50 |
| 4 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 50 |
| 5 | p-Cymene | 134 | C10H14 | 000099-87-6 | 50 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100819\
Data File : BM023079.D
Acq On : 09 Oct 2019 12:34
Operator : JU
Sample : K5028-12
Misc :
ALS Vial : 46 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDL7

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

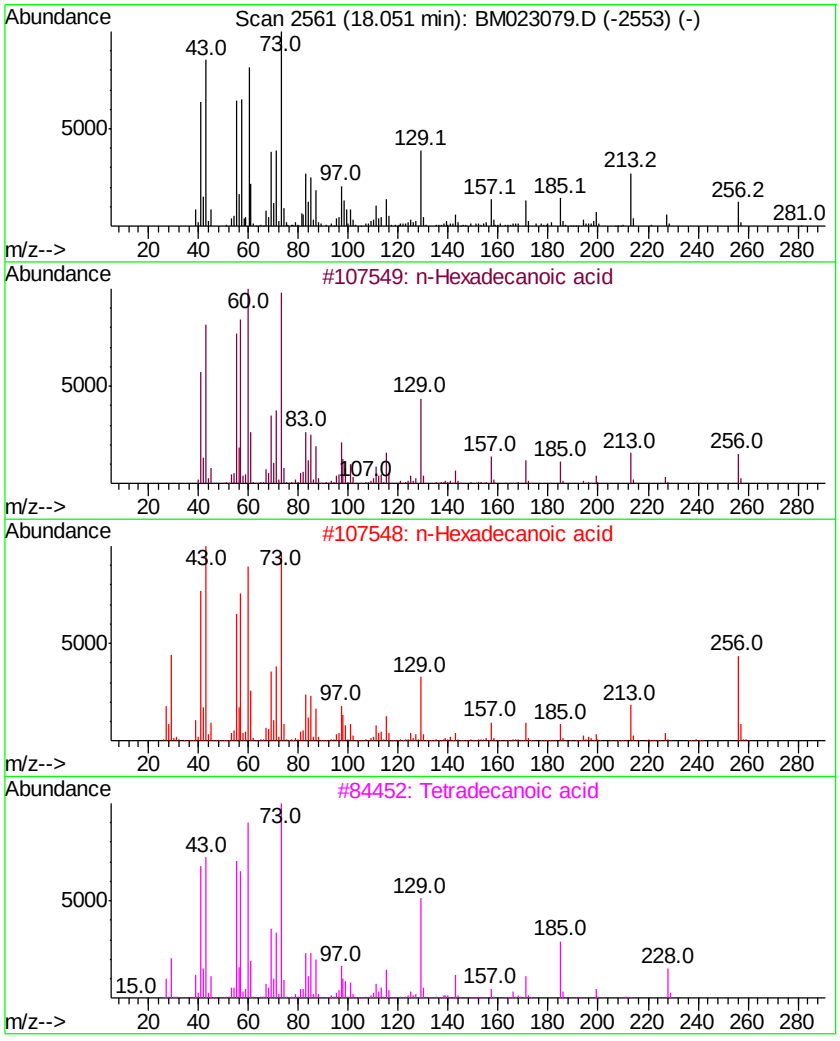
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

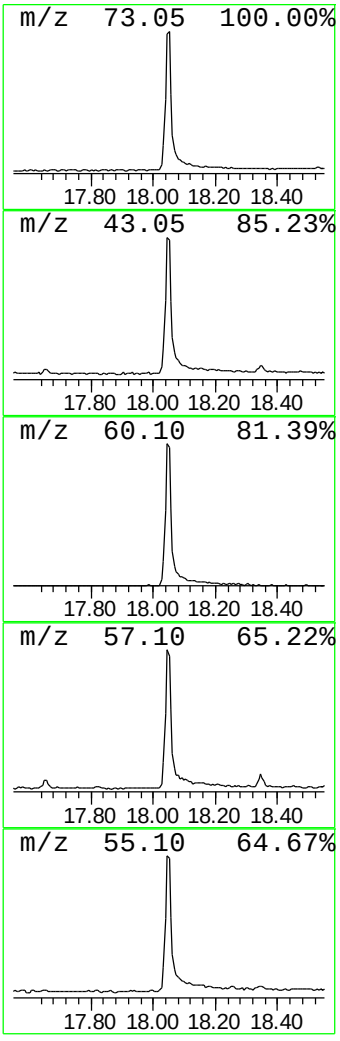
**********

Peak Number 10 n-Hexadecanoic acid Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.05 | 6.01 ng/ul | 664745 | Phenanthrene-d10 | 17.14 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99 |
| 2 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 98 |
| 3 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 93 |
| 4 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 91 |
| 5 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 91 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100819\
Data File : BM023079.D
Acq On : 09 Oct 2019 12:34
Operator : JU
Sample : K5028-12
Misc :
ALS Vial : 46 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDL7

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

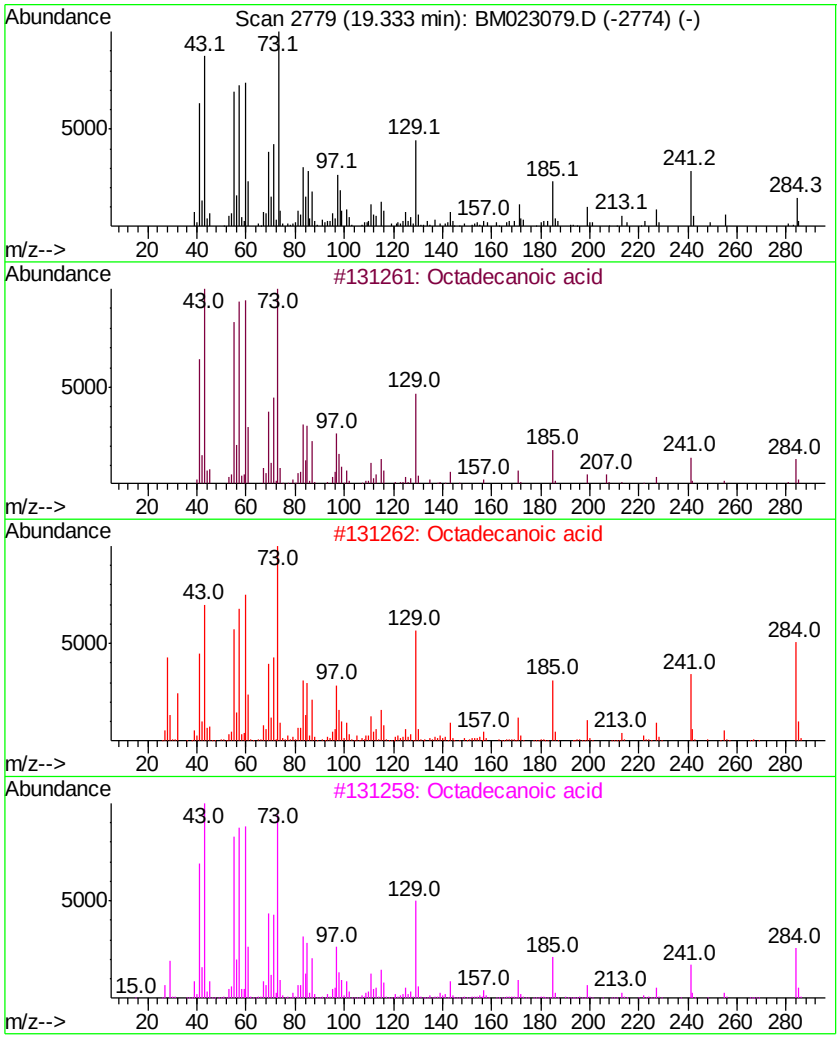
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

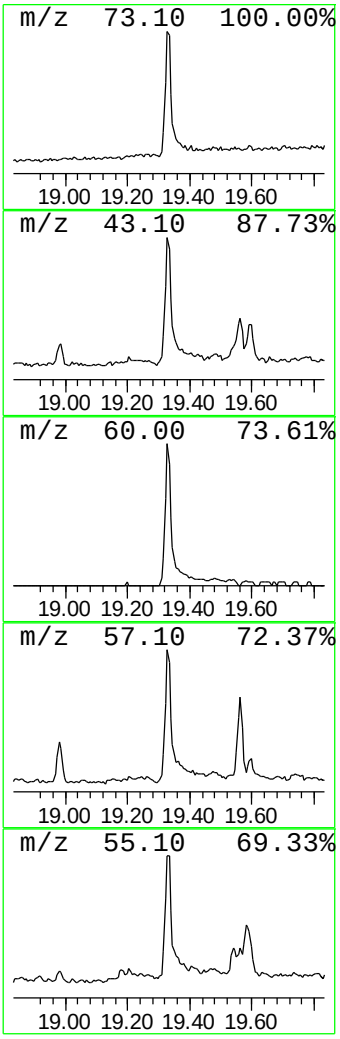
**********

Peak Number 11 Octadecanoic acid Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.33 | 2.45 ng/ul | 301414 | Chrysene-d12 | 21.33 |

| 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 | 99 |
| 3 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 99 |
| 4 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 99 |
| 5 | Octadecanoic acid, 2-(2-hydroxye... | 372 | C22H44O4 | 000106-11-6 | 91 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100819\
Data File : BM023079.D
Acq On : 09 Oct 2019 12:34
Operator : JU
Sample : K5028-12
Misc :
ALS Vial : 46 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDL7

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

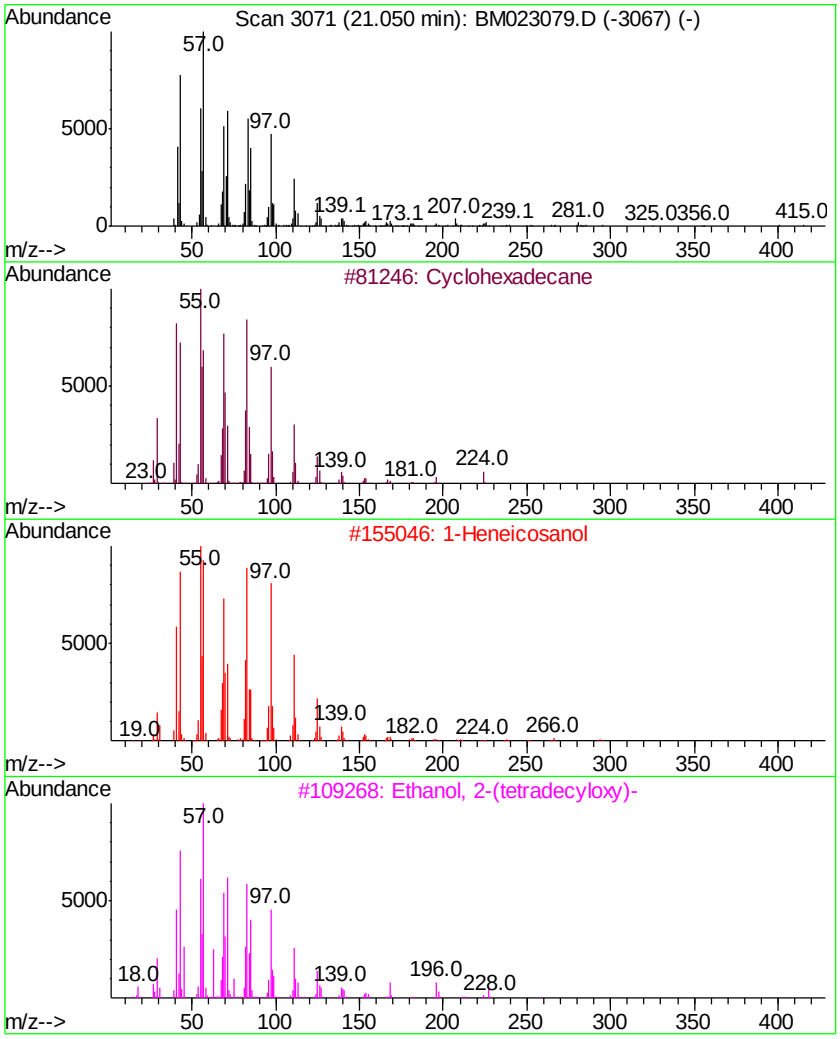
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

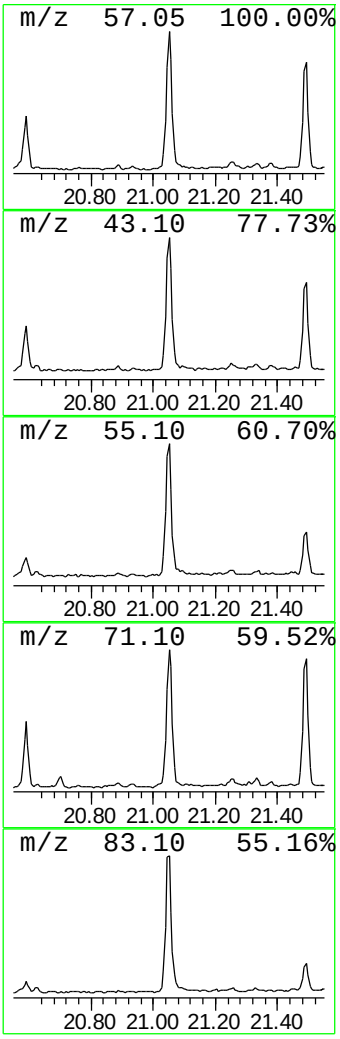
**********

Peak Number 12 (DEL) Alkane: Cyclic21.05 Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.05 | 4.14 ng/ul | 510777 | Chrysene-d12 | 21.33 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexadecane | 224 | C16H32 | 000295-65-8 | 96 |
| 2 | 1-Heneicosanol | 312 | C21H44O | 015594-90-8 | 92 |
| 3 | Ethanol, 2-(tetradecyloxy)- | 258 | C16H34O2 | 002136-70-1 | 91 |
| 4 | Nonadecyl trifluoroacetate | 380 | C21H39F3O2 | 1000351-76-3 | 81 |
| 5 | 1-Tricosene | 322 | C23H46 | 018835-32-0 | 76 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100819\
Data File : BM023079.D
Acq On : 09 Oct 2019 12:34
Operator : JU
Sample : K5028-12
Misc :
ALS Vial : 46 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDL7

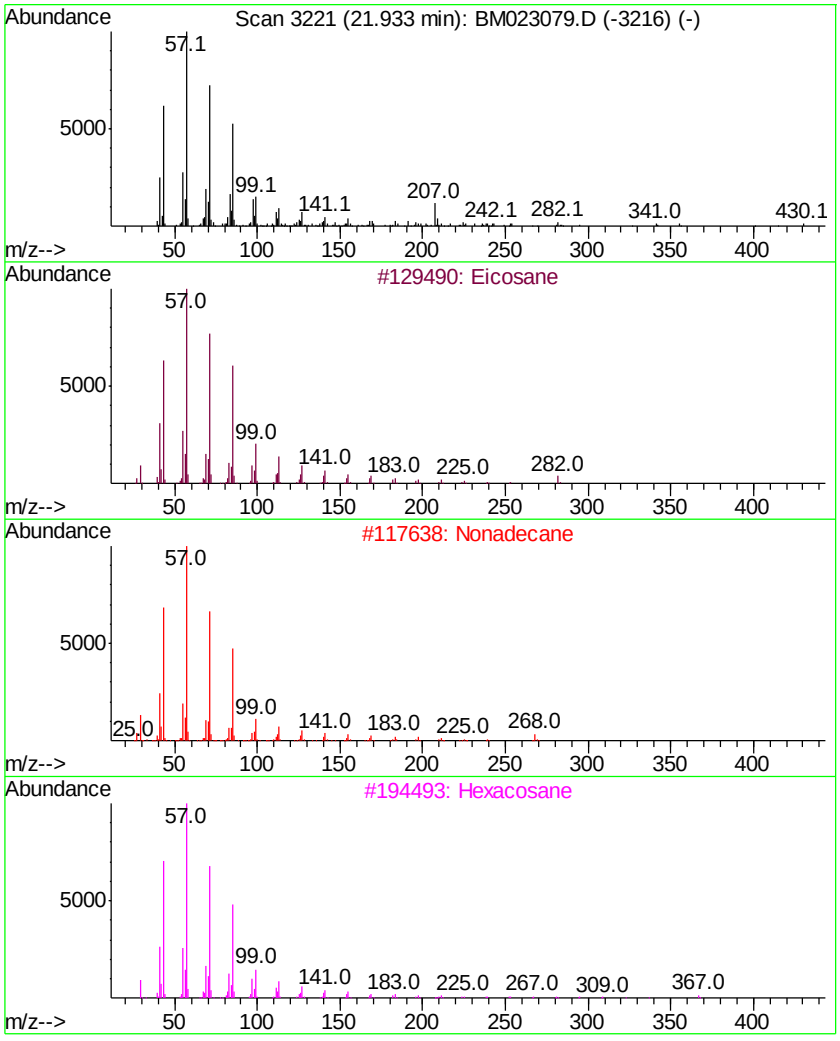
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

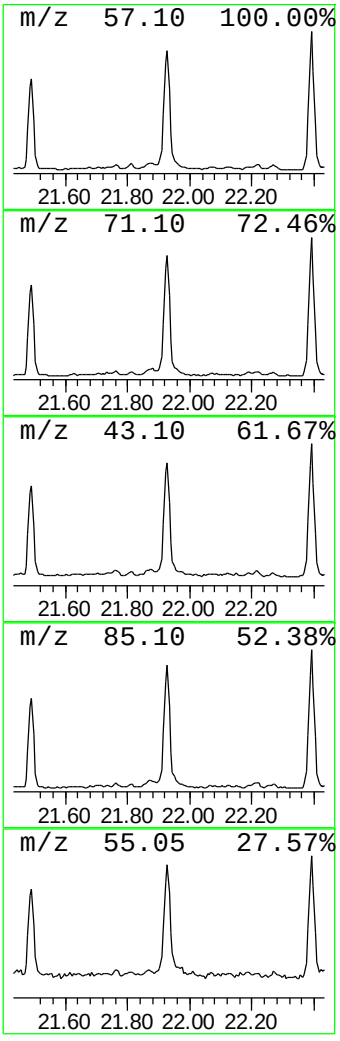
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.93 | 2.73 ng/ul | 336901 | Chrysene-d12 | 21.33 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosane | 282 | C20H42 | 000112-95-8 | 95 |
| 2 | Nonadecane | 268 | C19H40 | 000629-92-5 | 94 |
| 3 | Hexacosane | 366 | C26H54 | 000630-01-3 | 94 |
| 4 | Eicosane | 282 | C20H42 | 000112-95-8 | 93 |
| 5 | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44 | 054833-48-6 | 93 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100819\
Data File : BM023079.D
Acq On : 09 Oct 2019 12:34
Operator : JU
Sample : K5028-12
Misc :
ALS Vial : 46 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDL7

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

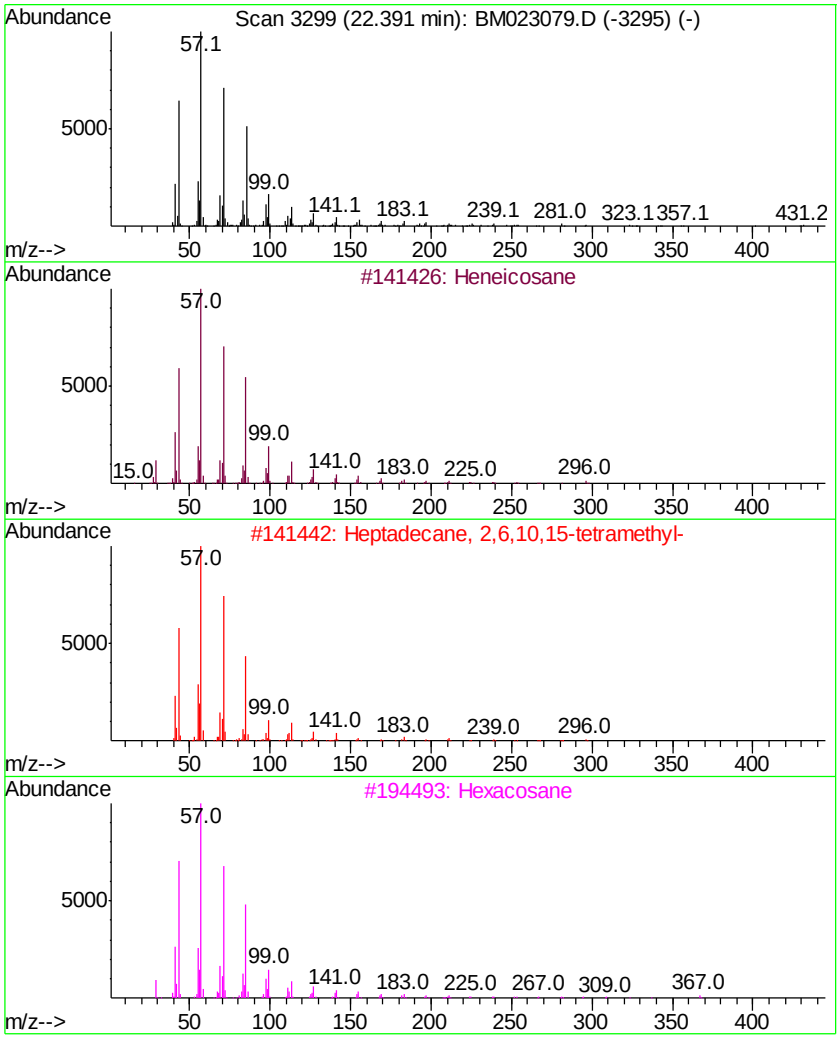
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

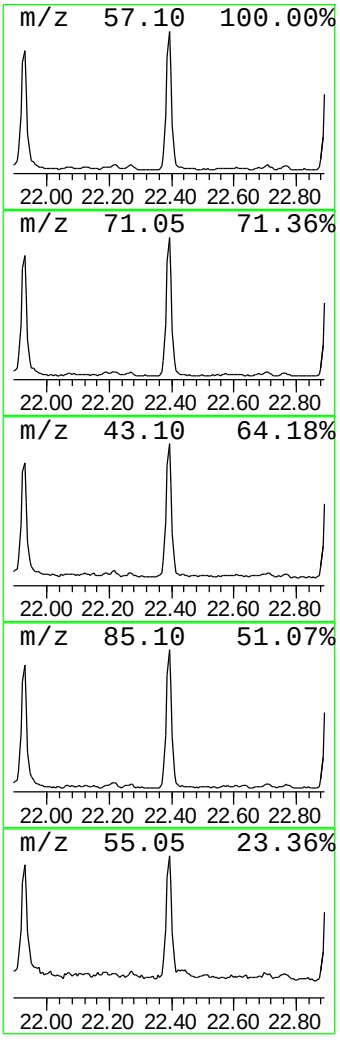
**********

Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.39 | 3.07 ng/ul | 378528 | Chrysene-d12 | 21.33 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heneicosane | 296 | C21H44 | 000629-94-7 | 98 |
| 2 | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44 | 054833-48-6 | 93 |
| 3 | Hexacosane | 366 | C26H54 | 000630-01-3 | 93 |
| 4 | Tetratetracontane | 619 | C44H90 | 007098-22-8 | 91 |
| 5 | 2-methyloctacosane | 408 | C29H60 | 1000376-72-8 | 91 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100819\
Data File : BM023079.D
Acq On : 09 Oct 2019 12:34
Operator : JU
Sample : K5028-12
Misc :
ALS Vial : 46 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDL7

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

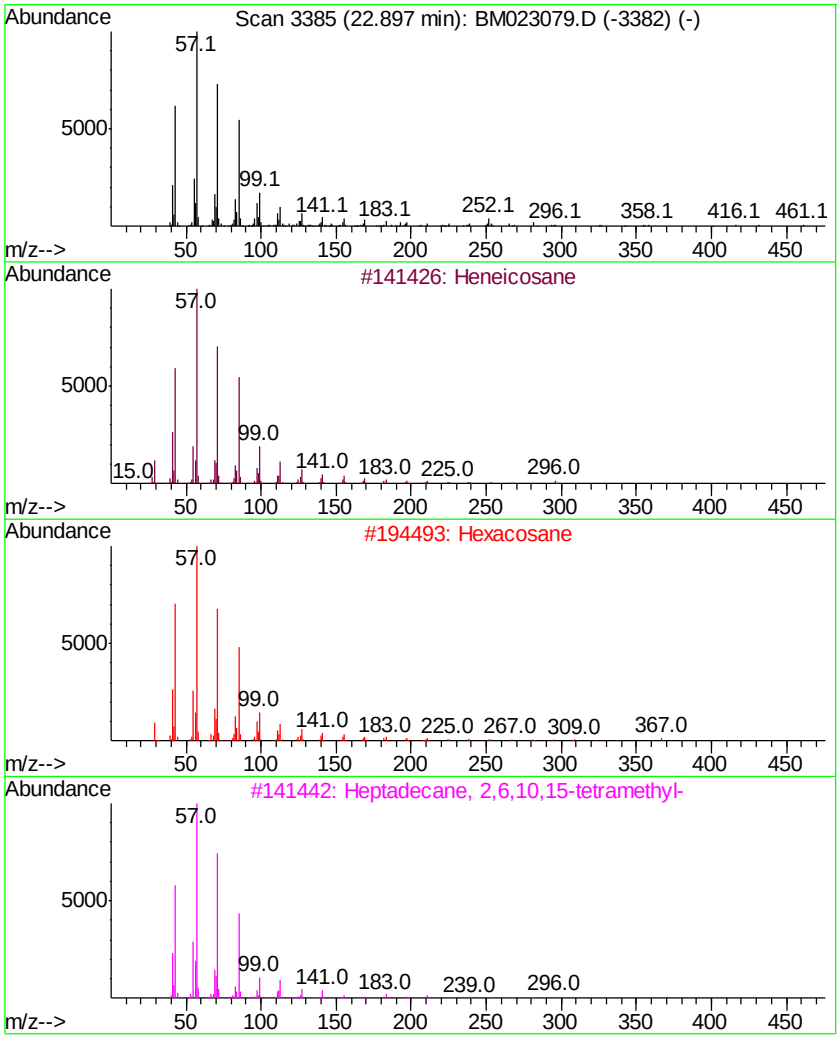
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

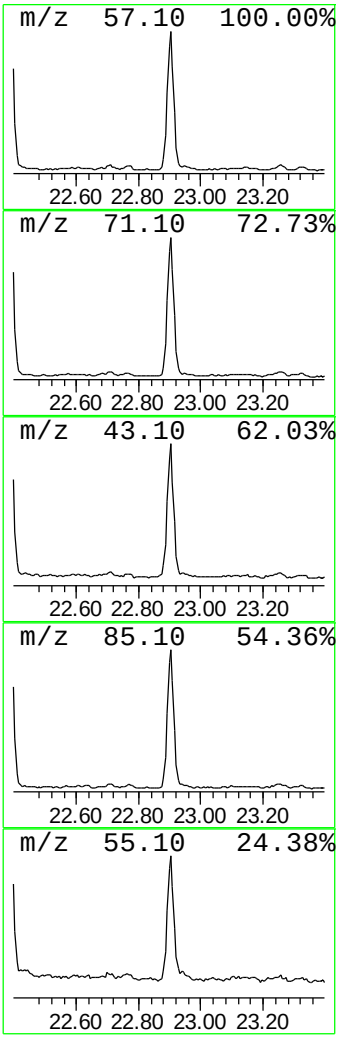
**********

Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.90 | 3.08 ng/ul | 396328 | Perylene-d12 | 23.58 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heneicosane | 296 | C21H44 | 000629-94-7 | 97 |
| 2 | Hexacosane | 366 | C26H54 | 000630-01-3 | 93 |
| 3 | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44 | 054833-48-6 | 92 |
| 4 | 2-methyloctacosane | 408 | C29H60 | 1000376-72-8 | 90 |
| 5 | Tetracosane | 338 | C24H50 | 000646-31-1 | 90 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100819\
Data File : BM023079.D
Acq On : 09 Oct 2019 12:34
Operator : JU
Sample : K5028-12
Misc :
ALS Vial : 46 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDL7

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

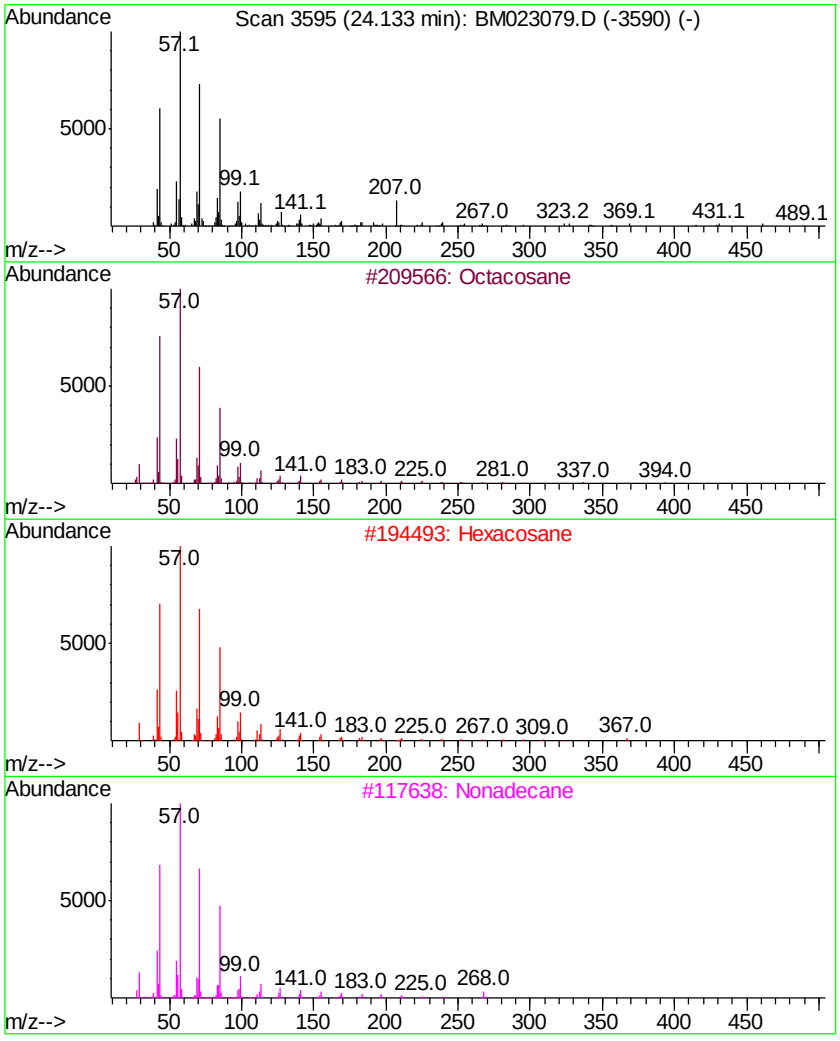
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

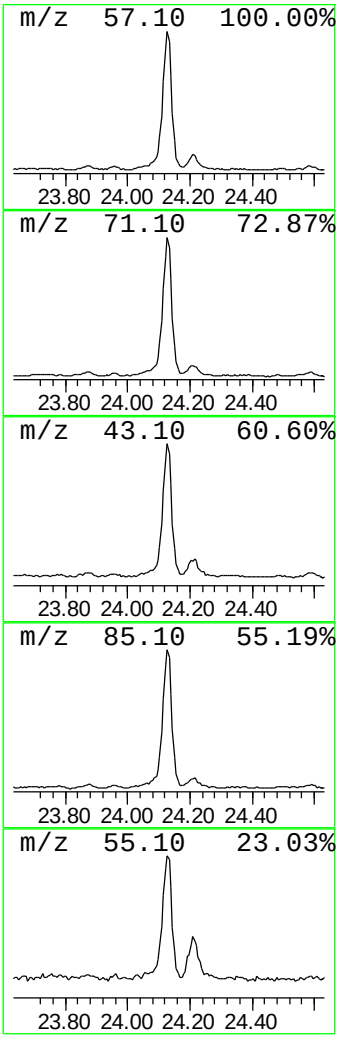
**********

Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 24.13 | 3.53 ng/ul | 453754 | Perylene-d12 | 23.58 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octacosane | 394 | C28H58 | 000630-02-4 | 87 |
| 2 | Hexacosane | 366 | C26H54 | 000630-01-3 | 87 |
| 3 | Nonadecane | 268 | C19H40 | 000629-92-5 | 83 |
| 4 | Heneicosane | 296 | C21H44 | 000629-94-7 | 83 |
| 5 | Docosane | 310 | C22H46 | 000629-97-0 | 83 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100819\
Data File : BM023079.D
Acq On : 09 Oct 2019 12:34
Operator : JU
Sample : K5028-12
Misc :
ALS Vial : 46 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDL7

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

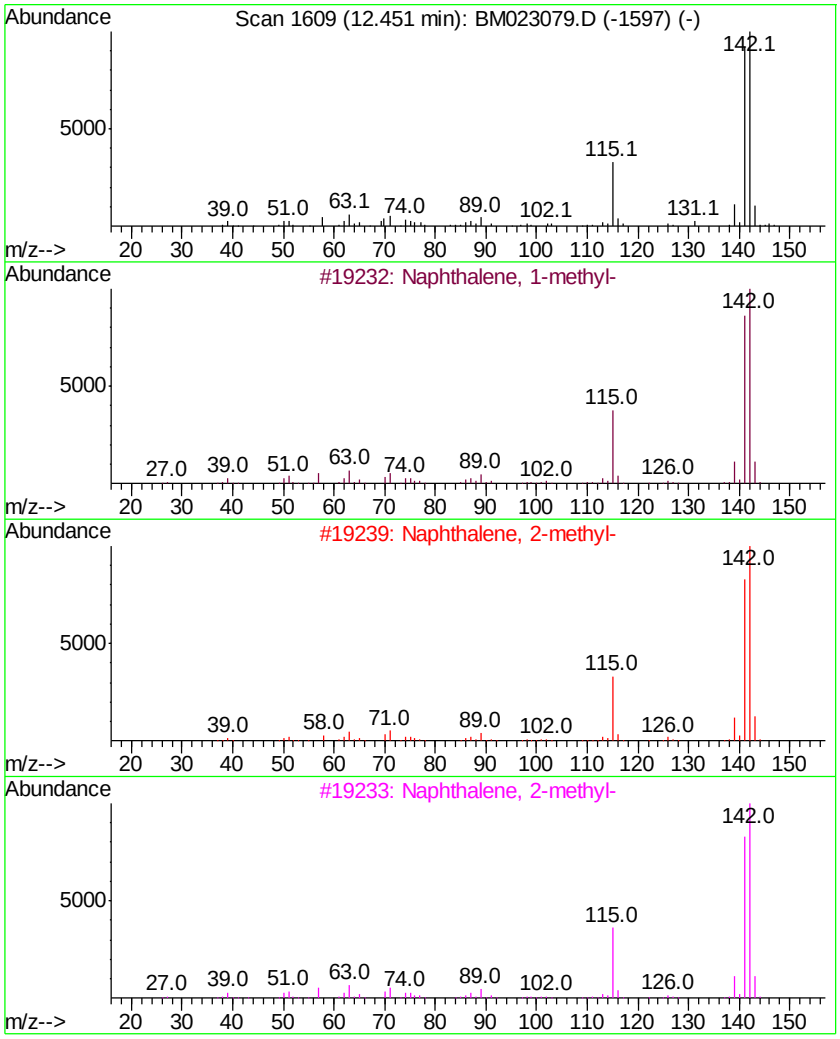
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

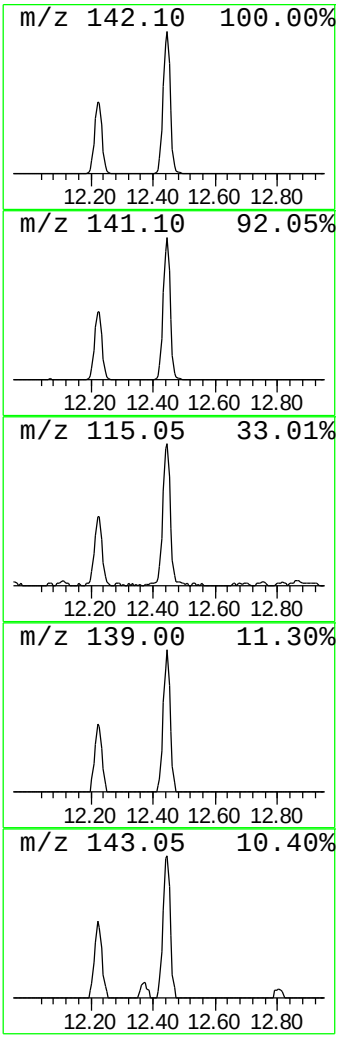
**********

Peak Number 17 Naphthalene, 1-methyl- Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.45 | 4.67 ng/ul | 377389 | Naphthalene-d8 | 10.56 |

| 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, 2-methyl- | 142 | C11H10 | 000091-57-6 | 96 |
| 4 | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10 | 004453-90-1 | 91 |
| 5 | Benzocycloheptatriene | 142 | C11H10 | 000264-09-5 | 91 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM100819\
Data File : BM023079.D
Acq On : 09 Oct 2019 12:34
Operator : JU
Sample : K5028-12
Misc :
ALS Vial : 46 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDL7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.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, 1... | 3.71 | 4.8 | ng/ul | 263016 | 1 | 7.77 | 1084100 | 20.0 |
| Propanoic acid, 2... | 4.25 | 9.5 | ng/ul | 512617 | 1 | 7.77 | 1084100 | 20.0 |
| Propanoic acid, p... | 4.42 | 11.7 | ng/ul | 634497 | 1 | 7.77 | 1084100 | 20.0 |
| Butanoic acid, 1-... | 4.87 | 15.8 | ng/ul | 853758 | 1 | 7.77 | 1084100 | 20.0 |
| Benzene, 1,3-dime... | 5.43 | 7.1 | ng/ul | 383644 | 1 | 7.77 | 1084100 | 20.0 |
| Butanoic acid, pr... | 5.73 | 2.0 | ng/ul | 109844 | 1 | 7.77 | 1084100 | 20.0 |
| Benzene, 1,2,3-tr... | 7.42 | 3.1 | ng/ul | 168272 | 1 | 7.77 | 1084100 | 20.0 |
| Indane | 8.15 | 2.1 | ng/ul | 112751 | 1 | 7.77 | 1084100 | 20.0 |
| Benzene, 1-methyl... | 9.97 | 2.5 | ng/ul | 201888 | 2 | 10.56 | 1617440 | 20.0 |
| n-Hexadecanoic acid | 18.05 | 6.0 | ng/ul | 664745 | 4 | 17.14 | 2212860 | 20.0 |
| Octadecanoic acid | 19.33 | 2.5 | ng/ul | 301414 | 5 | 21.33 | 2464710 | 20.0 |
| (DEL) Alkane: Cyc... | 21.05 | 4.1 | ng/ul | 510777 | 5 | 21.33 | 2464710 | 20.0 |
| (DEL) Alkane: Str... | 21.93 | 2.7 | ng/ul | 336901 | 5 | 21.33 | 2464710 | 20.0 |
| (DEL) Alkane: Str... | 22.39 | 3.1 | ng/ul | 378528 | 5 | 21.33 | 2464710 | 20.0 |
| (DEL) Alkane: Str... | 22.90 | 3.1 | ng/ul | 396328 | 6 | 23.58 | 2571230 | 20.0 |
| (DEL) Alkane: Str... | 24.13 | 3.5 | ng/ul | 453754 | 6 | 23.58 | 2571230 | 20.0 |
| Naphthalene, 1-me... | 12.45 | 4.7 | ng/ul | 377389 | 2 | 10.56 | 1617440 | 20.0 |