LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100319\
Data File : BM022924.D
Acq On : 03 Oct 2019 17:24
Operator : JU
Sample : K4983-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDM8

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 | 3.299 | 46 | 53 | 68 | rBV | 1758313 | 2208074 | 55.74% | 3.073% |
| 2 | 3.728 | 122 | 126 | 132 | rBV | 190617 | 228235 | 5.76% | 0.318% |
| 3 | 3.993 | 165 | 171 | 182 | rVB2 | 59870 | 138199 | 3.49% | 0.192% |
| 4 | 4.263 | 212 | 217 | 224 | rBV | 363139 | 471006 | 11.89% | 0.656% |
| 5 | 4.440 | 243 | 247 | 255 | rBV | 530644 | 716375 | 18.09% | 0.997% |
| 6 | 4.898 | 316 | 325 | 332 | rVV | 595892 | 833962 | 21.05% | 1.161% |
| 7 | 5.122 | 358 | 363 | 368 | rBV | 69130 | 99336 | 2.51% | 0.138% |
| 8 | 5.316 | 391 | 396 | 402 | rVB | 93499 | 135120 | 3.41% | 0.188% |
| 9 | 5.451 | 413 | 419 | 421 | rBV | 119751 | 193229 | 4.88% | 0.269% |
| 10 | 5.757 | 465 | 471 | 476 | rVV | 86253 | 122218 | 3.09% | 0.170% |
| 11 | 5.816 | 476 | 481 | 487 | rVV | 172603 | 257761 | 6.51% | 0.359% |
| 12 | 6.293 | 557 | 562 | 568 | rBV | 81696 | 120213 | 3.03% | 0.167% |
| 13 | 6.787 | 639 | 646 | 658 | rBV3 | 89925 | 213294 | 5.38% | 0.297% |
| 14 | 6.892 | 658 | 664 | 668 | rVV | 79267 | 118349 | 2.99% | 0.165% |
| 15 | 6.963 | 668 | 676 | 684 | rVV5 | 289435 | 774749 | 19.56% | 1.078% |
| 16 | 7.022 | 684 | 686 | 693 | rVB | 109796 | 152621 | 3.85% | 0.212% |
| 17 | 7.128 | 697 | 704 | 711 | rBV | 575822 | 931561 | 23.52% | 1.297% |
| 18 | 7.192 | 711 | 715 | 720 | rVB | 113435 | 169783 | 4.29% | 0.236% |
| 19 | 7.328 | 731 | 738 | 747 | rBV | 690173 | 1110663 | 28.04% | 1.546% |
| 20 | 7.451 | 752 | 759 | 766 | rVB | 585003 | 918397 | 23.19% | 1.278% |
| 21 | 7.792 | 809 | 817 | 823 | rBV | 783395 | 1304399 | 32.93% | 1.815% |
| 22 | 7.863 | 826 | 829 | 833 | rVV | 139867 | 215707 | 5.45% | 0.300% |
| 23 | 7.910 | 833 | 837 | 846 | rVB | 295082 | 510488 | 12.89% | 0.711% |
| 24 | 8.169 | 873 | 881 | 888 | rVV2 | 290200 | 599722 | 15.14% | 0.835% |
| 25 | 8.351 | 906 | 912 | 921 | rVV | 494300 | 767447 | 19.37% | 1.068% |
| 26 | 8.439 | 921 | 927 | 932 | rVV2 | 133107 | 220042 | 5.56% | 0.306% |
| 27 | 8.498 | 932 | 937 | 944 | rVV | 620029 | 1026151 | 25.91% | 1.428% |
| 28 | 8.563 | 944 | 948 | 952 | rVV | 95180 | 177264 | 4.48% | 0.247% |
| 29 | 8.751 | 975 | 980 | 984 | rBV | 93875 | 138098 | 3.49% | 0.192% |
| 30 | 8.804 | 984 | 989 | 994 | rVV | 98382 | 152880 | 3.86% | 0.213% |
| 31 | 8.904 | 999 | 1006 | 1009 | rVV | 223110 | 381710 | 9.64% | 0.531% |
| 32 | 8.945 | 1009 | 1013 | 1025 | rVV2 | 704273 | 1384636 | 34.96% | 1.927% |
| 33 | 9.222 | 1054 | 1060 | 1069 | rVB4 | 72631 | 170164 | 4.30% | 0.237% |
| 34 | 9.422 | 1084 | 1094 | 1099 | rBV | 168132 | 301323 | 7.61% | 0.419% |

LSC Area Percent Report

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Acq On : 03 Oct 2019 17:24
Operator : JU
Sample : K4983-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDM8

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 | 9.481 | 1099 | 1104 | 1113 | rVB | 243114 | 384321 | 9.70% | 0.535% |
| 36 | 9.669 | 1128 | 1136 | 1143 | rBV | 644445 | 1059616 | 26.75% | 1.475% |
| 37 | 9.763 | 1147 | 1152 | 1155 | rVV | 237814 | 391402 | 9.88% | 0.545% |
| 38 | 9.798 | 1155 | 1158 | 1161 | rVV2 | 191617 | 279468 | 7.06% | 0.389% |
| 39 | 9.839 | 1161 | 1165 | 1174 | rVB | 150419 | 275022 | 6.94% | 0.383% |
| 40 | 9.992 | 1183 | 1191 | 1200 | rVV4 | 391053 | 1006057 | 25.40% | 1.400% |
| 41 | 10.069 | 1200 | 1204 | 1211 | rVV | 317037 | 520368 | 13.14% | 0.724% |
| 42 | 10.210 | 1221 | 1228 | 1236 | rVB | 1090049 | 1916944 | 48.39% | 2.668% |
| 43 | 10.375 | 1248 | 1256 | 1261 | rBV | 72605 | 152667 | 3.85% | 0.212% |
| 44 | 10.457 | 1266 | 1270 | 1275 | rVV | 86496 | 151336 | 3.82% | 0.211% |
| 45 | 10.586 | 1283 | 1292 | 1297 | rBV | 1199320 | 2115899 | 53.42% | 2.945% |
| 46 | 10.633 | 1297 | 1300 | 1308 | rVB | 589792 | 945423 | 23.87% | 1.316% |
| 47 | 10.722 | 1308 | 1315 | 1326 | rBV2 | 543363 | 1109409 | 28.01% | 1.544% |
| 48 | 10.945 | 1347 | 1353 | 1359 | rBV4 | 60219 | 110922 | 2.80% | 0.154% |
| 49 | 11.128 | 1377 | 1384 | 1388 | rBV2 | 71927 | 156742 | 3.96% | 0.218% |
| 50 | 11.269 | 1401 | 1408 | 1411 | rBV2 | 105341 | 177480 | 4.48% | 0.247% |
| 51 | 11.304 | 1411 | 1414 | 1419 | rVB | 63992 | 95262 | 2.40% | 0.133% |
| 52 | 11.416 | 1419 | 1433 | 1438 | rBV2 | 160395 | 393730 | 9.94% | 0.548% |
| 53 | 11.498 | 1443 | 1447 | 1452 | rVB | 52888 | 98156 | 2.48% | 0.137% |
| 54 | 11.610 | 1461 | 1466 | 1471 | rBV | 126720 | 212207 | 5.36% | 0.295% |
| 55 | 11.698 | 1478 | 1481 | 1488 | rVB3 | 82517 | 138625 | 3.50% | 0.193% |
| 56 | 11.786 | 1490 | 1496 | 1504 | rVB5 | 53735 | 122340 | 3.09% | 0.170% |
| 57 | 11.927 | 1511 | 1520 | 1525 | rBV | 449921 | 764076 | 19.29% | 1.063% |
| 58 | 12.251 | 1569 | 1575 | 1579 | rVV | 413851 | 640867 | 16.18% | 0.892% |
| 59 | 12.286 | 1579 | 1581 | 1588 | rVB2 | 60422 | 96993 | 2.45% | 0.135% |
| 60 | 12.469 | 1604 | 1612 | 1618 | rVB | 414162 | 663003 | 16.74% | 0.923% |
| 61 | 12.633 | 1634 | 1640 | 1645 | rBV4 | 87667 | 176256 | 4.45% | 0.245% |
| 62 | 12.939 | 1688 | 1692 | 1700 | rVB6 | 88666 | 193826 | 4.89% | 0.270% |
| 63 | 13.139 | 1719 | 1726 | 1729 | rBV4 | 48200 | 95450 | 2.41% | 0.133% |
| 64 | 13.227 | 1736 | 1741 | 1744 | rBV4 | 58052 | 107281 | 2.71% | 0.149% |
| 65 | 13.274 | 1744 | 1749 | 1757 | rVB | 344431 | 547992 | 13.83% | 0.763% |
| 66 | 13.345 | 1757 | 1761 | 1765 | rBV | 90509 | 132628 | 3.35% | 0.185% |
| 67 | 13.451 | 1773 | 1779 | 1782 | rBV | 297822 | 492597 | 12.44% | 0.686% |
| 68 | 13.486 | 1782 | 1785 | 1792 | rVB | 261700 | 374713 | 9.46% | 0.522% |
| 69 | 13.563 | 1792 | 1798 | 1801 | rBV4 | 82308 | 164993 | 4.17% | 0.230% |
| 70 | 13.610 | 1801 | 1806 | 1810 | rVV5 | 77769 | 149790 | 3.78% | 0.208% |
| 71 | 13.757 | 1826 | 1831 | 1835 | rBV3 | 118703 | 236069 | 5.96% | 0.329% |

LSC Area Percent Report

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Acq On : 03 Oct 2019 17:24
Operator : JU
Sample : K4983-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDM8

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 | 13.839 | 1840 | 1845 | 1850 | rVV | 1823449 | 2485293 | 62.74% | 3.459% |
| 73 | 13.886 | 1850 | 1853 | 1857 | rVB | 257603 | 309514 | 7.81% | 0.431% |
| 74 | 14.027 | 1873 | 1877 | 1885 | rVB3 | 71495 | 148234 | 3.74% | 0.206% |
| 75 | 14.121 | 1887 | 1893 | 1903 | rVB | 2040290 | 3112792 | 78.58% | 4.332% |
| 76 | 14.280 | 1917 | 1920 | 1924 | rVB2 | 98480 | 138231 | 3.49% | 0.192% |
| 77 | 14.433 | 1937 | 1946 | 1951 | rBV | 1751930 | 2838591 | 71.66% | 3.951% |
| 78 | 14.492 | 1953 | 1956 | 1963 | rVB | 156201 | 249768 | 6.31% | 0.348% |
| 79 | 14.633 | 1975 | 1980 | 1986 | rBV2 | 167610 | 295420 | 7.46% | 0.411% |
| 80 | 15.204 | 2073 | 2077 | 2079 | rBV | 90466 | 131272 | 3.31% | 0.183% |
| 81 | 15.321 | 2092 | 2097 | 2102 | rVB2 | 127236 | 199891 | 5.05% | 0.278% |
| 82 | 15.421 | 2108 | 2114 | 2119 | rBV | 2647696 | 3801297 | 95.97% | 5.291% |
| 83 | 15.474 | 2119 | 2123 | 2128 | rVB2 | 110768 | 179163 | 4.52% | 0.249% |
| 84 | 15.533 | 2128 | 2133 | 2141 | rVB | 756587 | 1066347 | 26.92% | 1.484% |
| 85 | 15.657 | 2151 | 2154 | 2165 | rVB5 | 126762 | 278625 | 7.03% | 0.388% |
| 86 | 15.751 | 2166 | 2170 | 2175 | rBV2 | 70833 | 131773 | 3.33% | 0.183% |
| 87 | 15.933 | 2196 | 2201 | 2208 | rVB3 | 168467 | 329785 | 8.33% | 0.459% |
| 88 | 16.104 | 2225 | 2230 | 2235 | rBV | 280749 | 419264 | 10.58% | 0.584% |
| 89 | 17.168 | 2405 | 2411 | 2416 | rBV2 | 1775756 | 2551971 | 64.43% | 3.552% |
| 90 | 17.209 | 2416 | 2418 | 2422 | rVV | 153841 | 189053 | 4.77% | 0.263% |
| 91 | 17.268 | 2422 | 2428 | 2438 | rVB2 | 2636043 | 3727517 | 94.10% | 5.188% |
| 92 | 18.068 | 2560 | 2564 | 2574 | rBV | 764184 | 1086563 | 27.43% | 1.512% |
| 93 | 19.350 | 2778 | 2782 | 2791 | rBV | 262534 | 376166 | 9.50% | 0.524% |
| 94 | 19.562 | 2812 | 2818 | 2822 | rBV | 2916384 | 3961055 | 100.00% | 5.513% |
| 95 | 19.603 | 2822 | 2825 | 2833 | rVB | 426422 | 580276 | 14.65% | 0.808% |
| 96 | 20.592 | 2990 | 2993 | 3000 | rBV5 | 58792 | 103834 | 2.62% | 0.145% |
| 97 | 21.062 | 3069 | 3073 | 3081 | rBV | 715049 | 859472 | 21.70% | 1.196% |
| 98 | 21.350 | 3117 | 3122 | 3127 | rBV | 1797109 | 2271548 | 57.35% | 3.162% |
| 99 | 23.468 | 3475 | 3482 | 3497 | rVB | 1924675 | 3789715 | 95.67% | 5.275% |
| 100 | 23.609 | 3500 | 3506 | 3515 | rVB | 1230798 | 2323400 | 58.66% | 3.234% |

Sum of corrected areas: 71848936

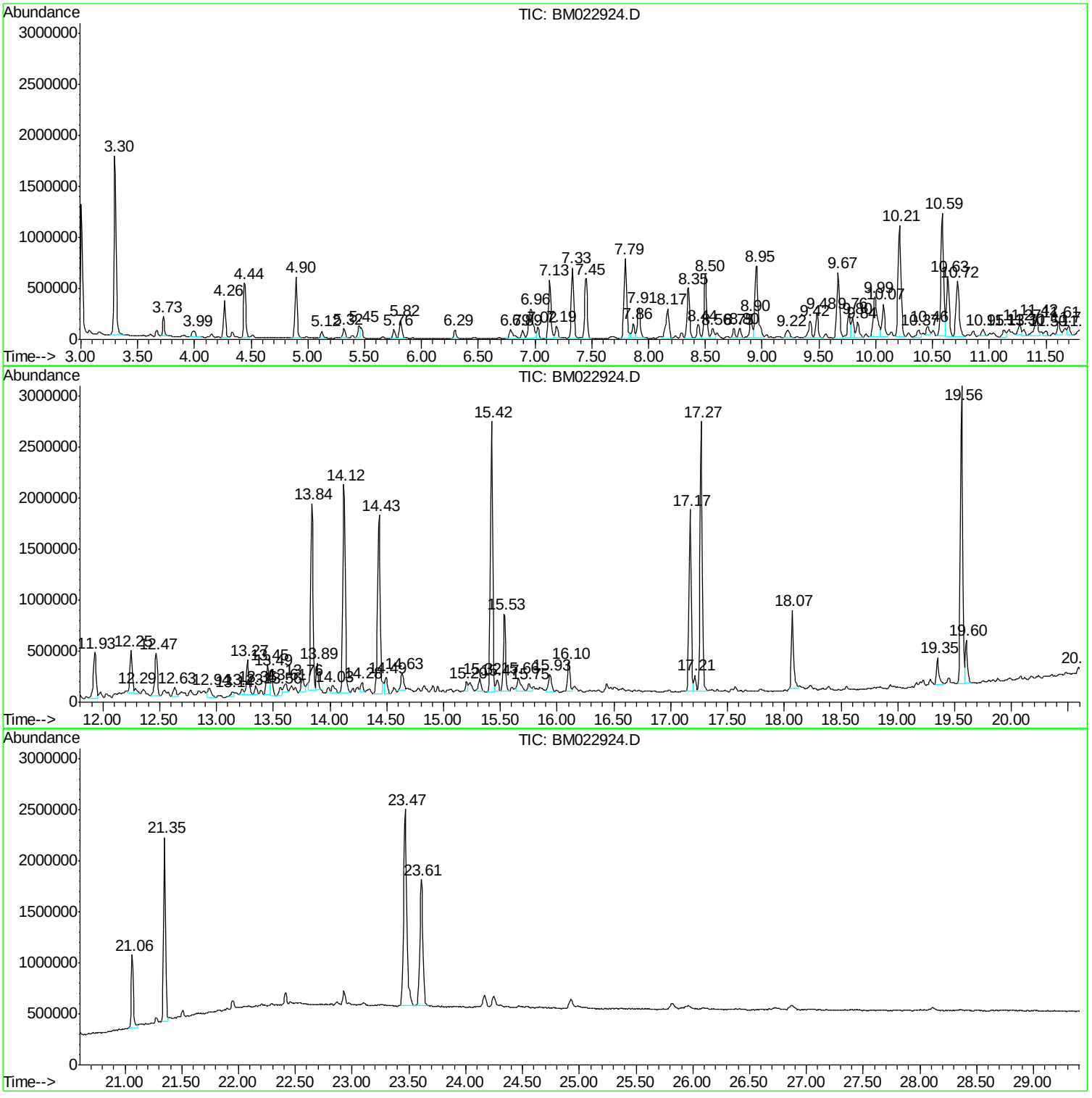
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100319\
Data File : BM022924.D
Acq On : 03 Oct 2019 17:24
Operator : JU
Sample : K4983-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDM8

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100319\
Data File : BM022924.D
Acq On : 03 Oct 2019 17:24
Operator : JU
Sample : K4983-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDM8

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

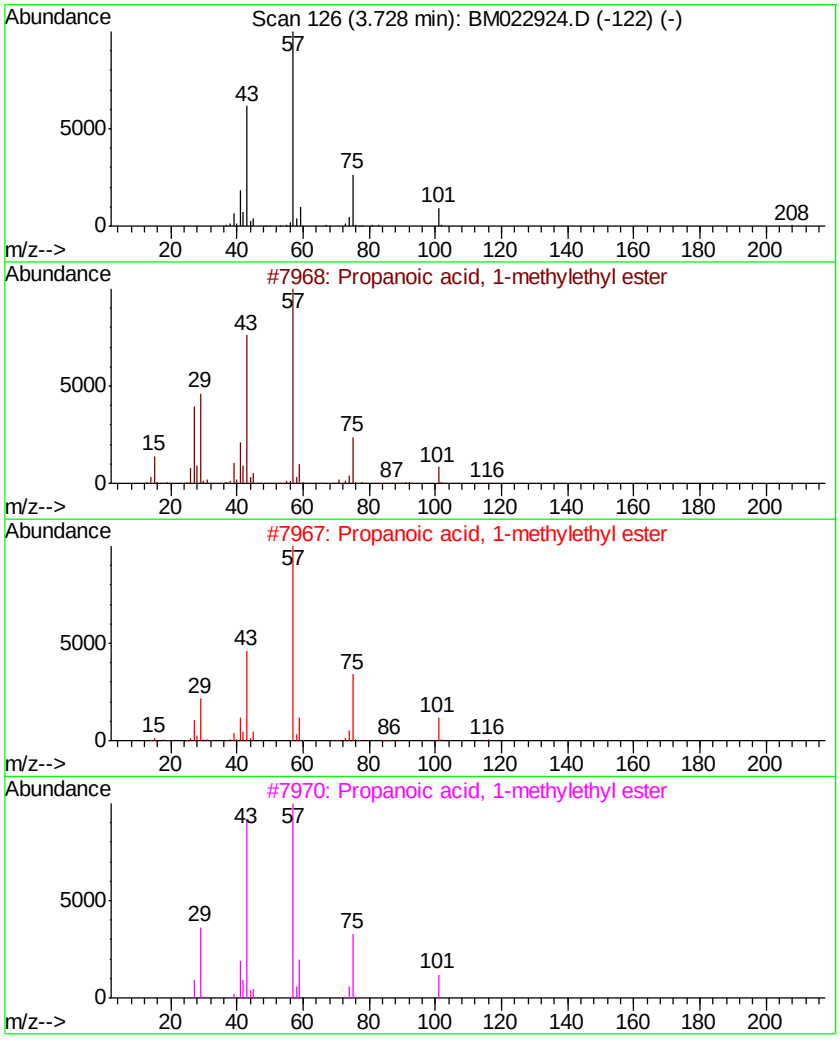
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

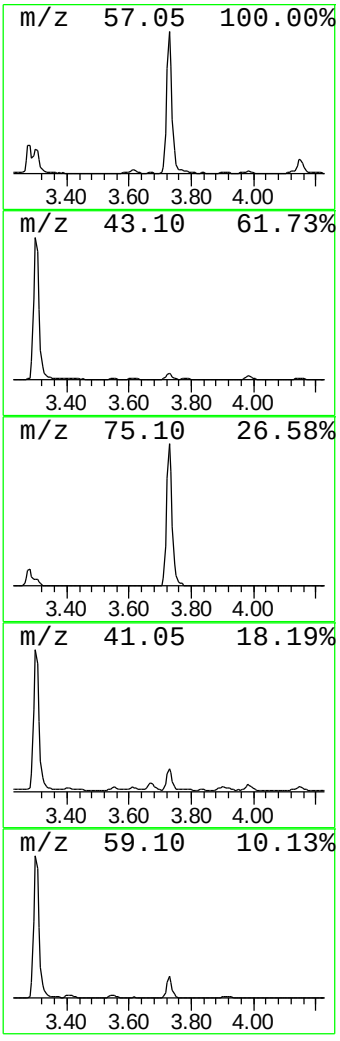
**********

Peak Number 1 Propanoic acid, 1-methyleth... Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.73 | 3.50 ng/ul | 228235 | 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 | 74 |
| 2 | Propanoic acid, 1-methylethyl ester | 116 | C6H12O2 | 000637-78-5 | 64 |
| 3 | Propanoic acid, 1-methylethyl ester | 116 | C6H12O2 | 000637-78-5 | 53 |
| 4 | Propanoic acid, 1-methylethyl ester | 116 | C6H12O2 | 000637-78-5 | 53 |
| 5 | Propanoic acid, propyl ester | 116 | C6H12O2 | 000106-36-5 | 42 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100319\
Data File : BM022924.D
Acq On : 03 Oct 2019 17:24
Operator : JU
Sample : K4983-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDM8

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

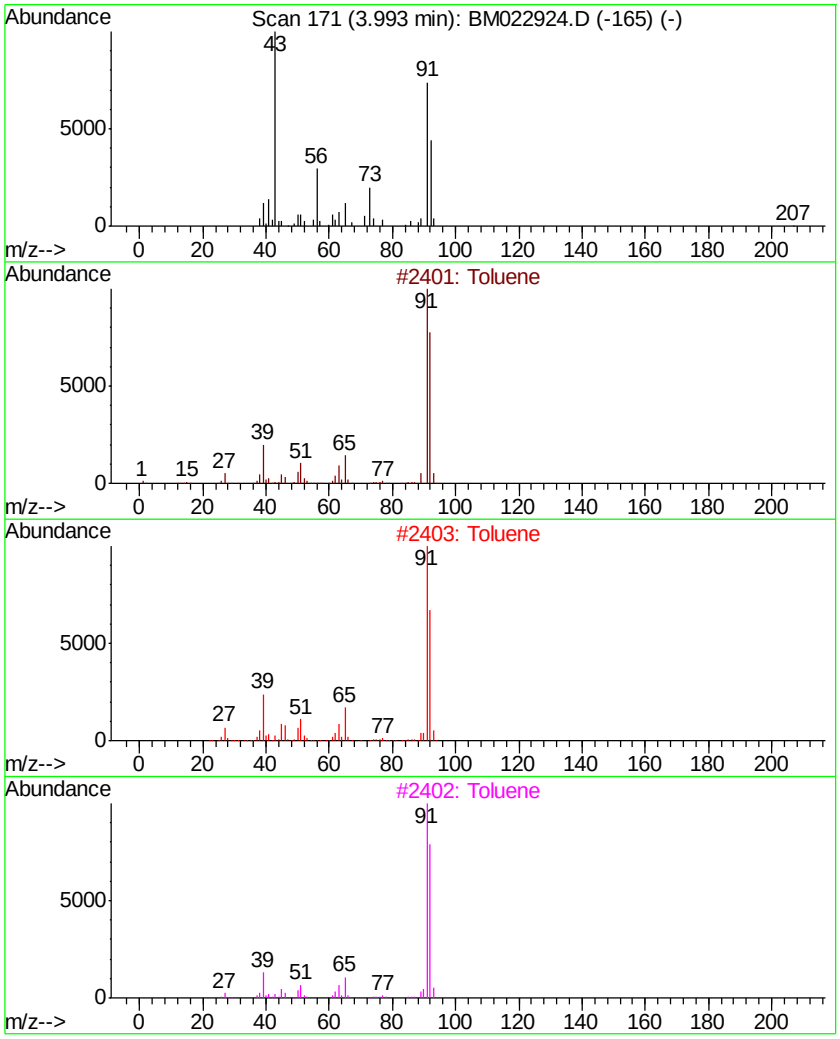
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

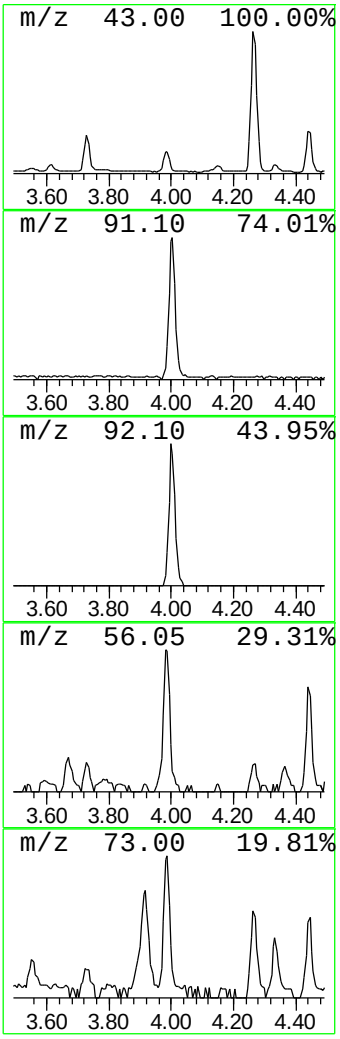
**********

Peak Number 2 Toluene Concentration Rank 32

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.99 | 2.12 ng/ul | 138199 | 1,4-Dichlorobenzene-d4 | 7.79 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Toluene | 92 | C7H8 | 000108-88-3 | 55 |
| 2 | Toluene | 92 | C7H8 | 000108-88-3 | 46 |
| 3 | Toluene | 92 | C7H8 | 000108-88-3 | 46 |
| 4 | Cyclobutene, 2-propenylidene- | 92 | C7H8 | 052097-85-5 | 46 |
| 5 | Toluene | 92 | C7H8 | 000108-88-3 | 46 |



Library Search Compound Report

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Data File : BM022924.D
Acq On : 03 Oct 2019 17:24
Operator : JU
Sample : K4983-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDM8

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

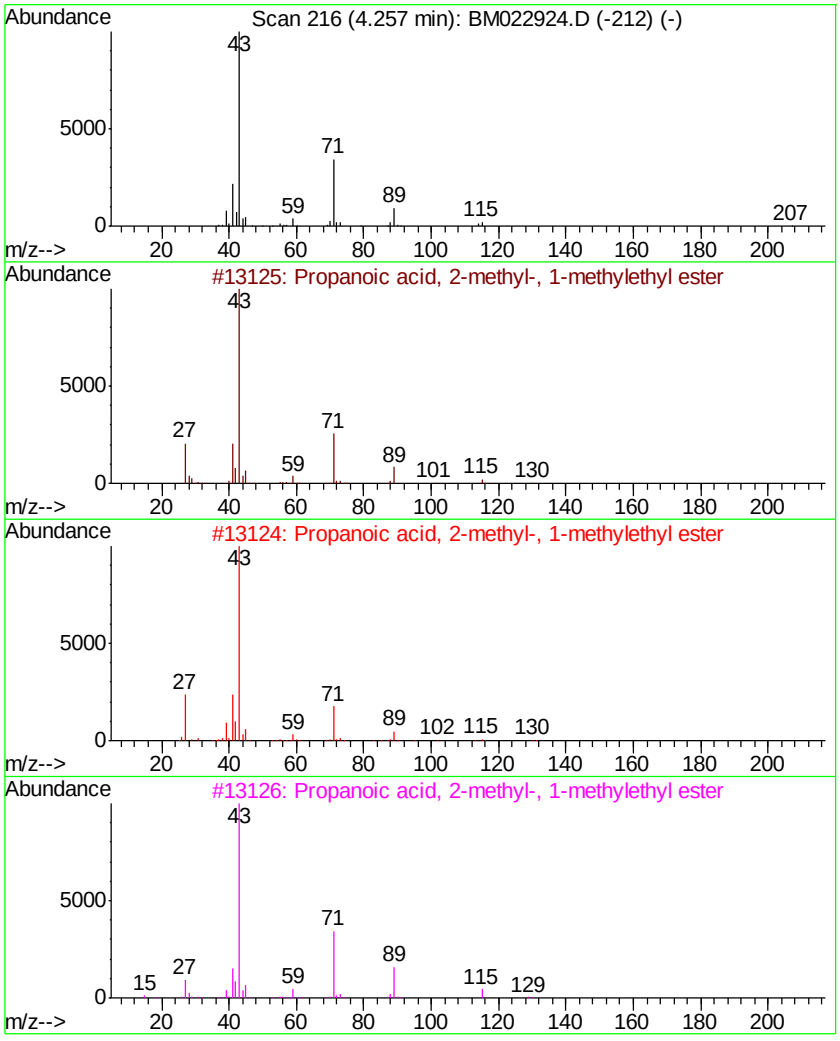
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

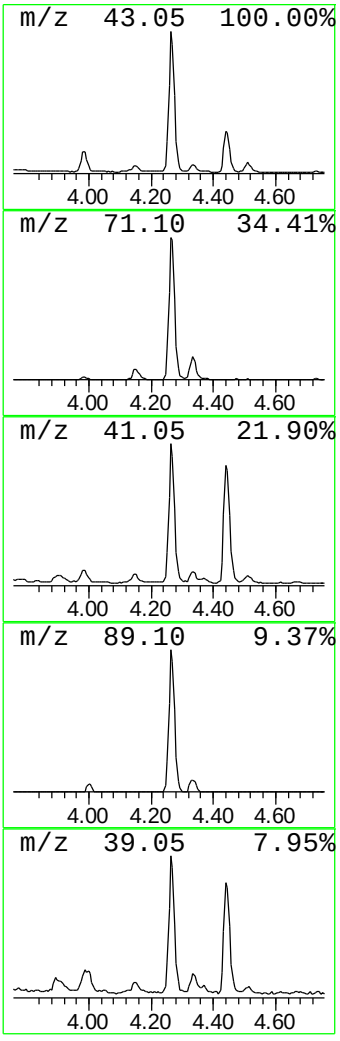
**********

Peak Number 3 Propanoic acid, 2-methyl-, ... Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.26 | 7.22 ng/ul | 471006 | 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 | 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 | Propanoic acid, 2-methyl-, penty... | 158 | C9H18O2 | 002445-72-9 | 39 |
| 5 | 3,3-Dimethyl-2-pentanone | 114 | C7H14O | 020669-04-9 | 33 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100319\
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**Instrument :** BNA_M
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

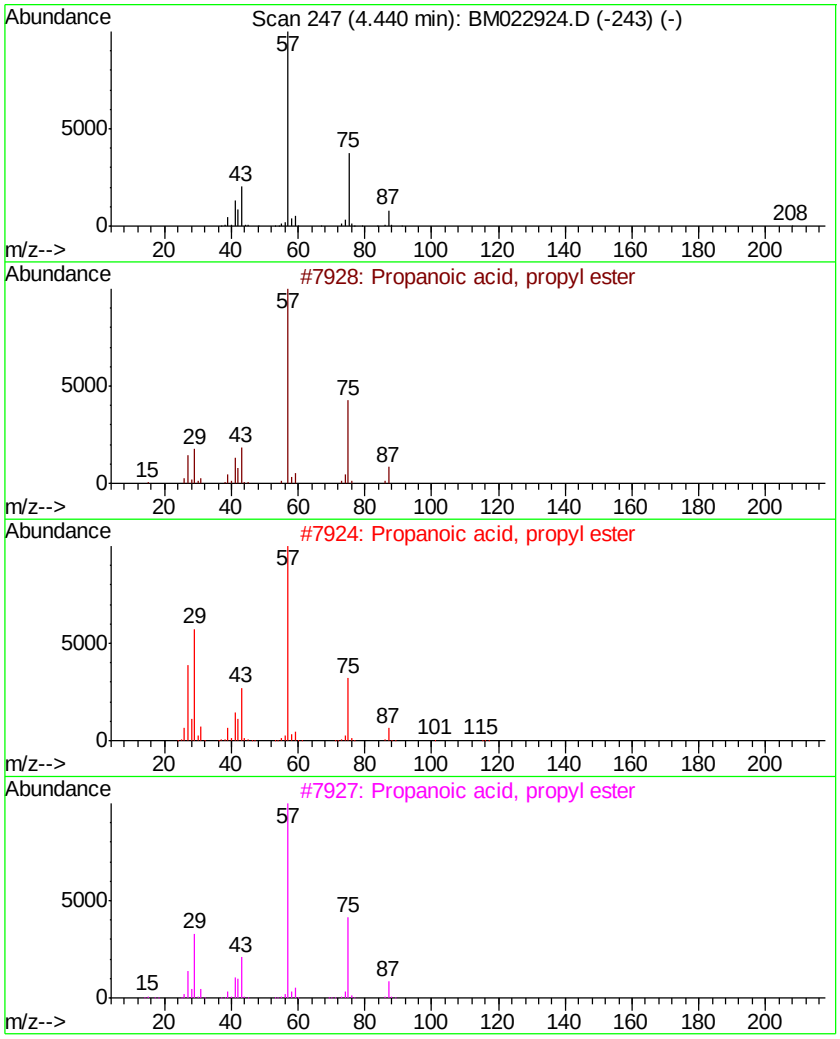
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

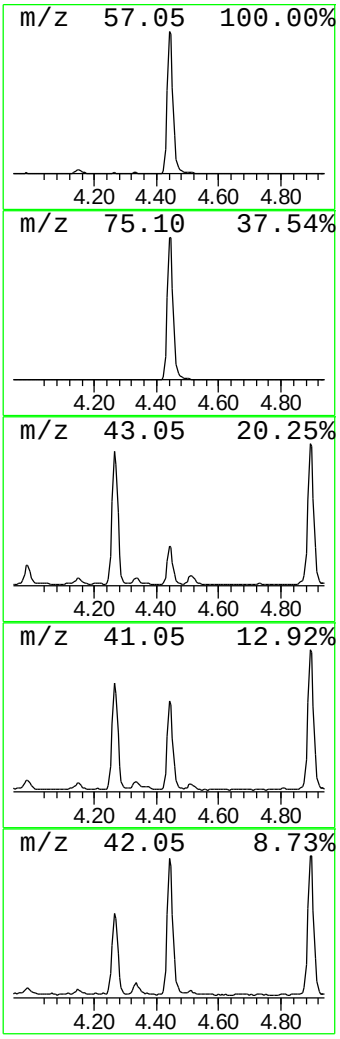
**********

Peak Number 4 Propanoic acid, propyl ester Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.44 | 10.98 ng/ul | 716375 | 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 | 78 |
| 4 | Propanoic acid, propyl ester | 116 | C6H12O2 | 000106-36-5 | 64 |
| 5 | Propanoic acid, butyl ester | 130 | C7H14O2 | 000590-01-2 | 38 |



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Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100319\
Data File : BM022924.D
Acq On : 03 Oct 2019 17:24
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Sample : K4983-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDM8

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

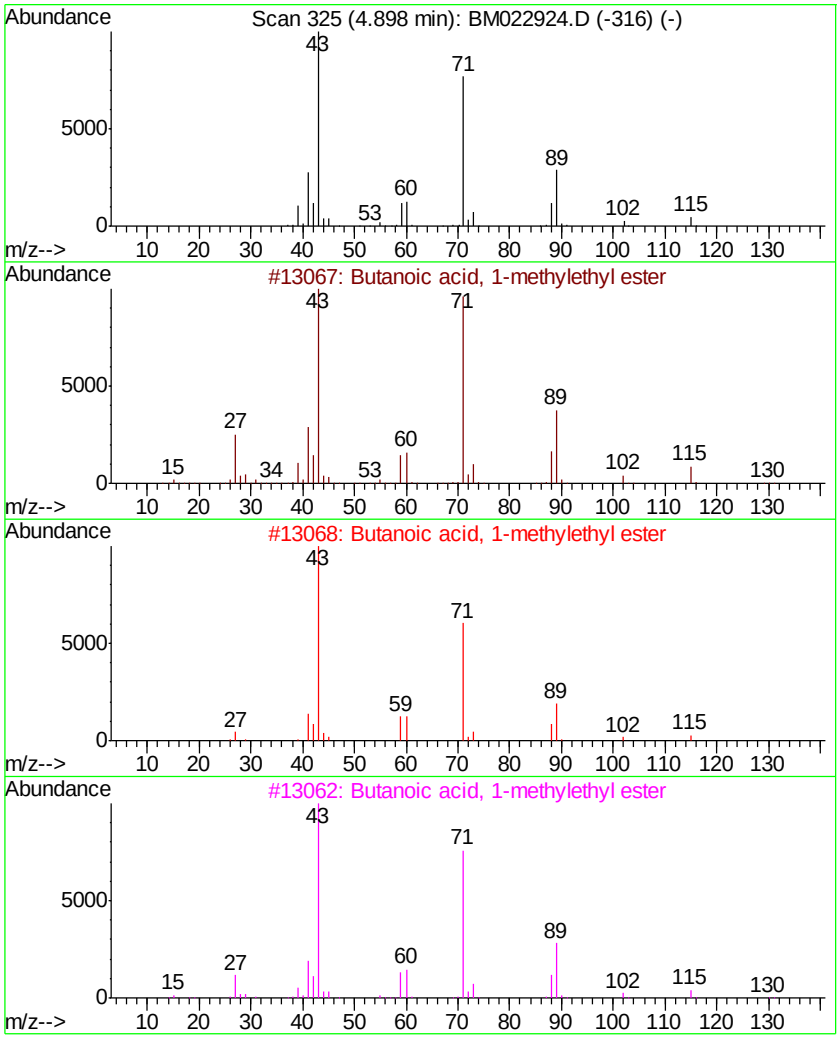
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

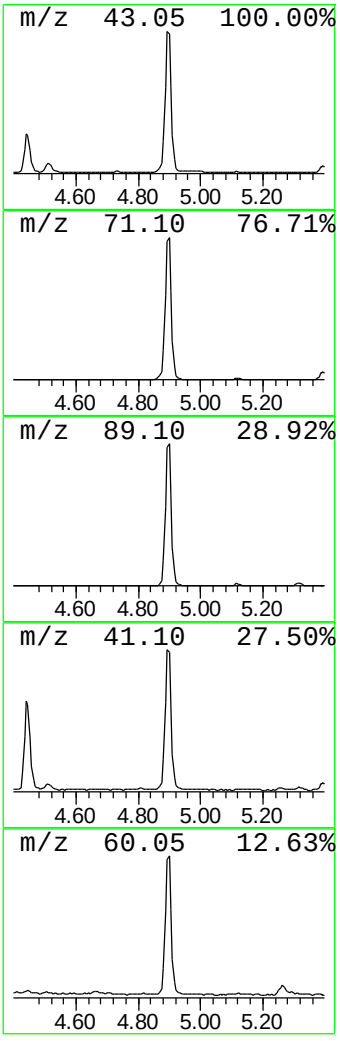
**********

Peak Number 5 Butanoic acid, 1-methylethy... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.90 | 12.79 ng/ul | 833962 | 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, 1-methylethyl ester | 130 | C7H14O2 | 000638-11-9 | 53 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100319\
Data File : BM022924.D
Acq On : 03 Oct 2019 17:24
Operator : JU
Sample : K4983-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDM8

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

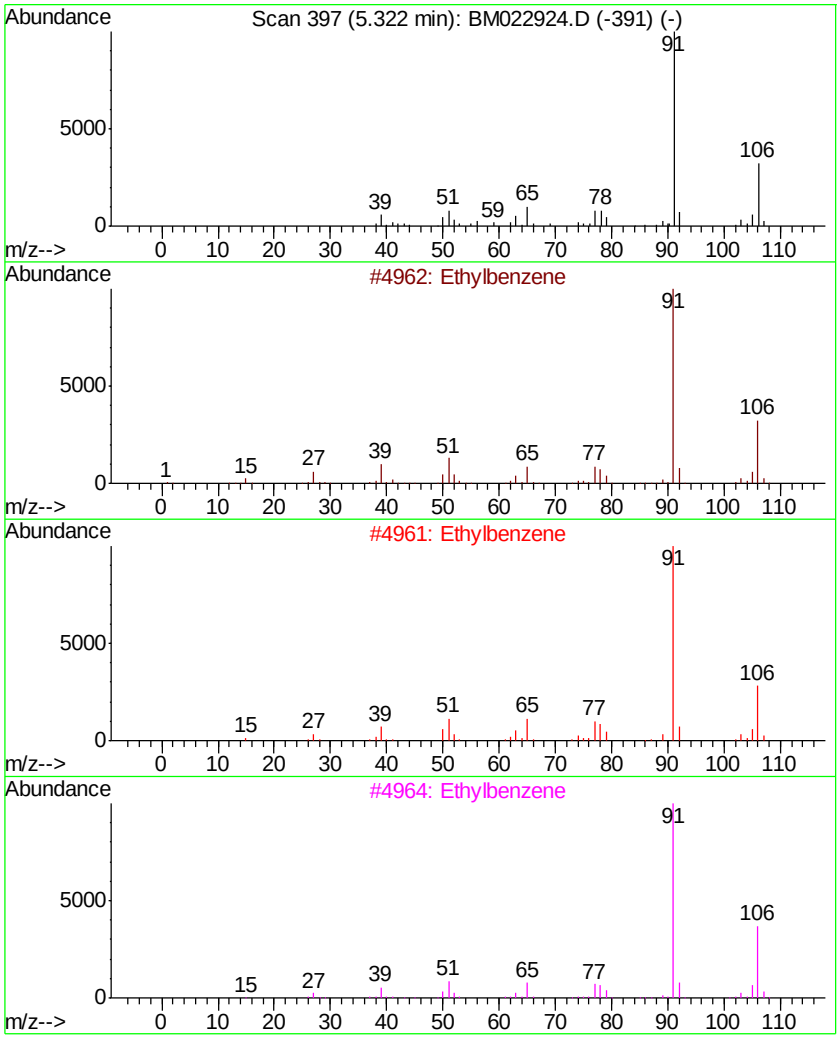
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

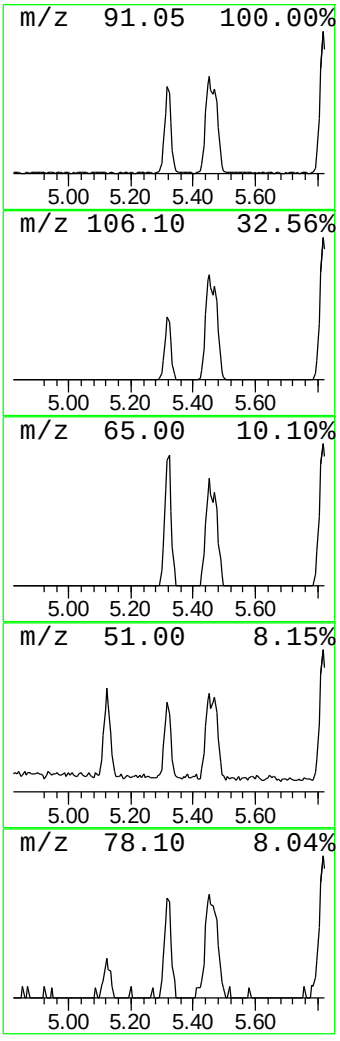
**********

Peak Number 6 Ethylbenzene Concentration Rank 34

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.32 | 2.07 ng/ul | 135120 | 1,4-Dichlorobenzene-d4 | 7.79 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethylbenzene | 106 | C8H10 | 000100-41-4 | 94 |
| 2 | Ethylbenzene | 106 | C8H10 | 000100-41-4 | 91 |
| 3 | Ethylbenzene | 106 | C8H10 | 000100-41-4 | 90 |
| 4 | p-Xylene | 106 | C8H10 | 000106-42-3 | 86 |
| 5 | p-Xylene | 106 | C8H10 | 000106-42-3 | 81 |



Library Search Compound Report

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Acq On : 03 Oct 2019 17:24
Operator : JU
Sample : K4983-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDM8

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

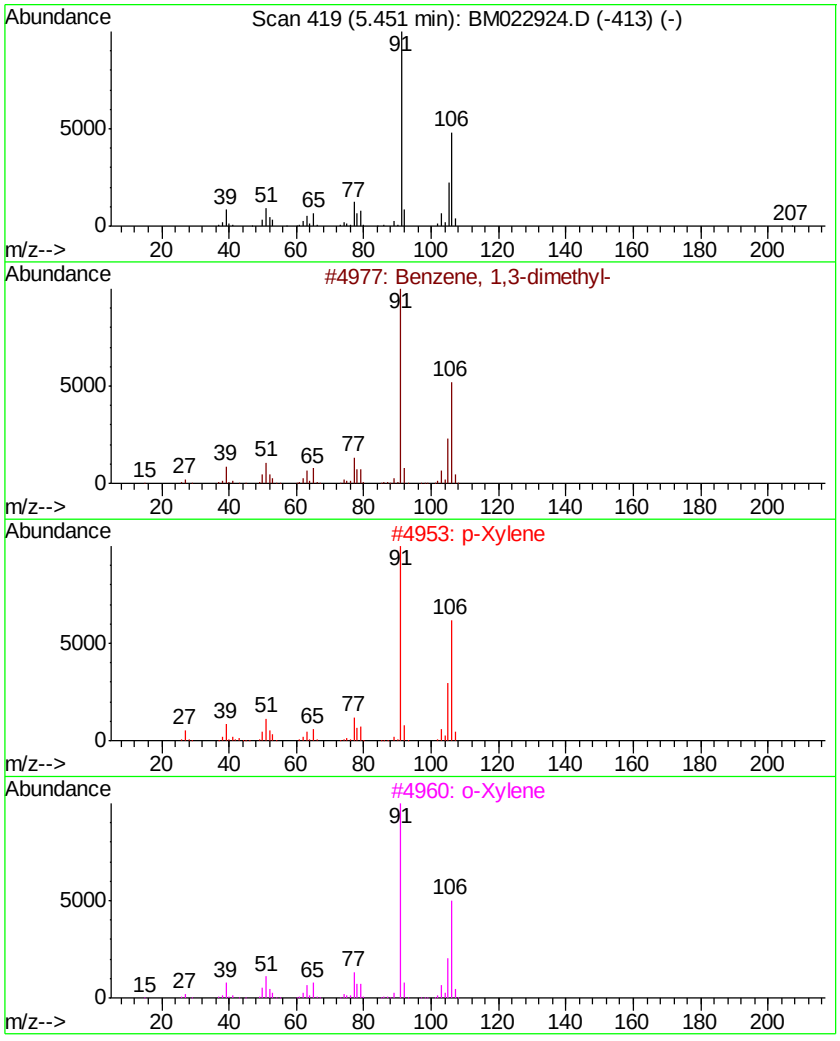
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

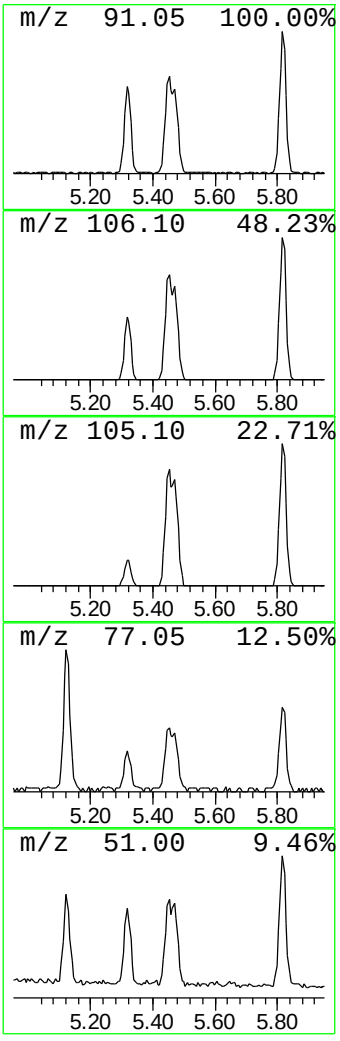
**********

Peak Number 7 Benzene, 1,3-dimethyl- Concentration Rank 25

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.45 | 2.96 ng/ul | 193229 | 1,4-Dichlorobenzene-d4 | 7.79 |

| 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 | o-Xylene | 106 | C8H10 | 000095-47-6 | 97 |
| 4 | p-Xylene | 106 | C8H10 | 000106-42-3 | 97 |
| 5 | p-Xylene | 106 | C8H10 | 000106-42-3 | 95 |



Library Search Compound Report

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Acq On : 03 Oct 2019 17:24
Operator : JU
Sample : K4983-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDM8

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

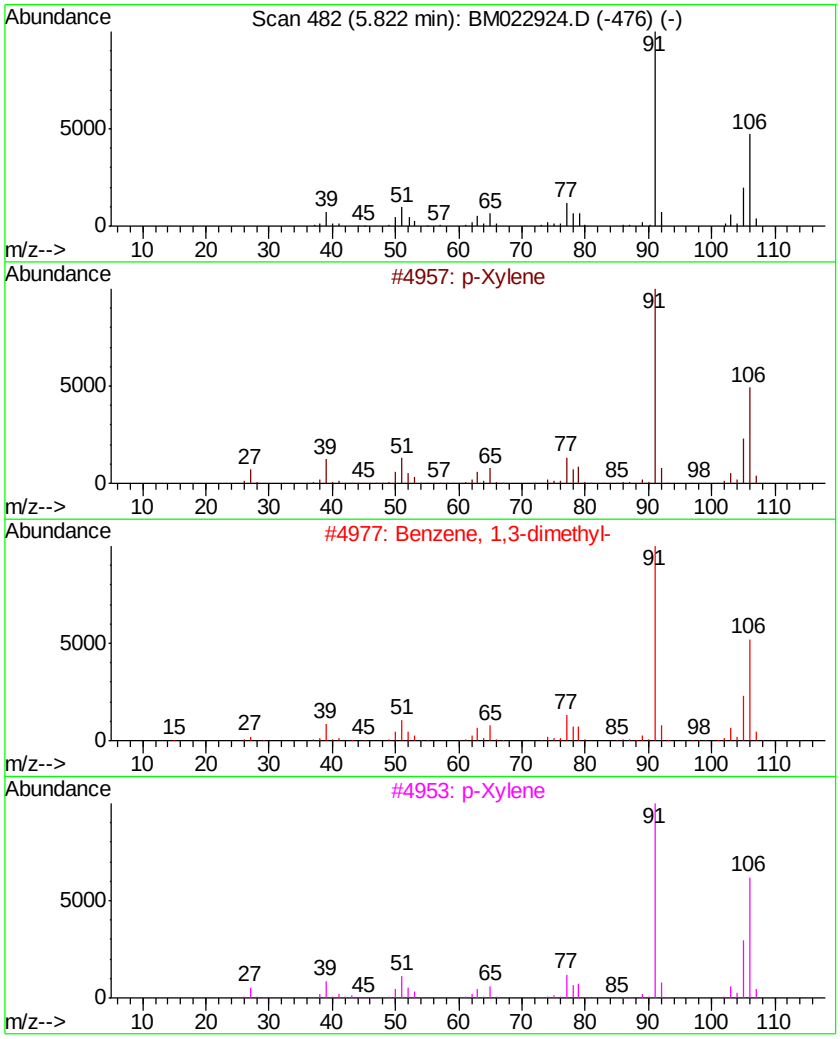
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

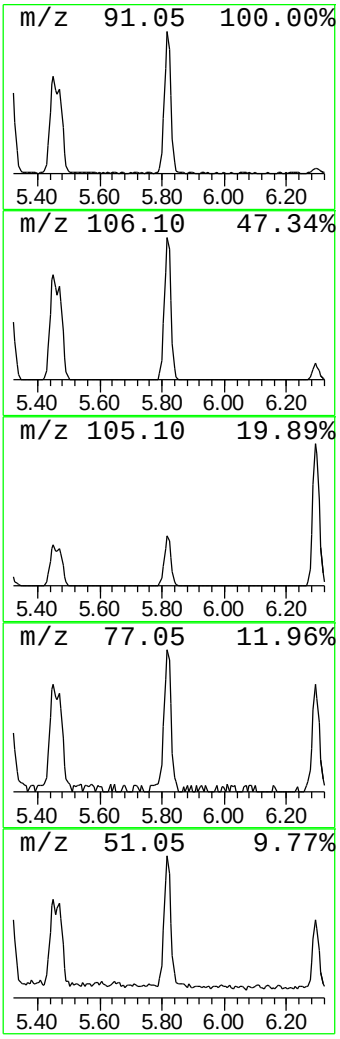
**********

Peak Number 8 p-Xylene Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.82 | 3.95 ng/ul | 257761 | 1,4-Dichlorobenzene-d4 | 7.79 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | p-Xylene | 106 | C8H10 | 000106-42-3 | 97 |
| 2 | Benzene, 1,3-dimethyl- | 106 | C8H10 | 000108-38-3 | 97 |
| 3 | p-Xylene | 106 | C8H10 | 000106-42-3 | 94 |
| 4 | p-Xylene | 106 | C8H10 | 000106-42-3 | 94 |
| 5 | p-Xylene | 106 | C8H10 | 000106-42-3 | 94 |



Library Search Compound Report

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Acq On : 03 Oct 2019 17:24
Operator : JU
Sample : K4983-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDM8

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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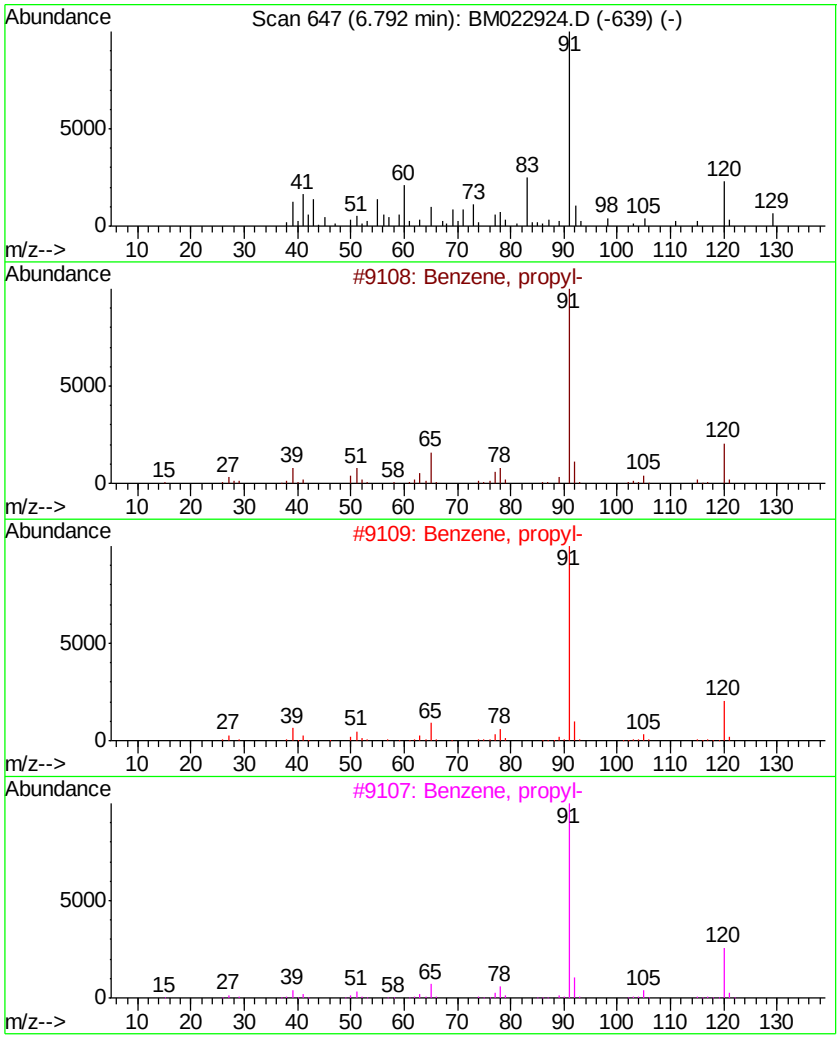
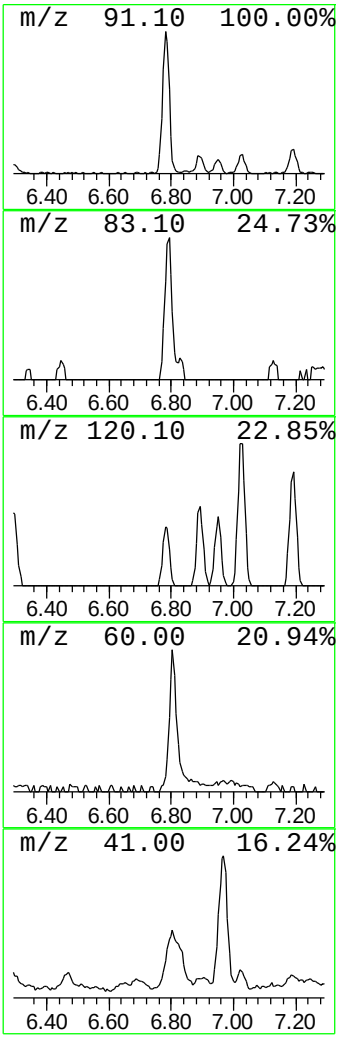
Peak Number 9 Benzene, propyl- Concentration Rank 24

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.79 | 3.27 ng/ul | 213294 | 1,4-Dichlorobenzene-d4 | 7.79 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, propyl- | 120 | C9H12 | 000103-65-1 | 70 |
| 2 | Benzene, propyl- | 120 | C9H12 | 000103-65-1 | 70 |
| 3 | Benzene, propyl- | 120 | C9H12 | 000103-65-1 | 62 |
| 4 | Ethanol, 2-[(phenylmethyl)amino]- | 151 | C9H13NO | 000104-63-2 | 53 |
| 5 | 1,2-Ethanediamine, N,N'-bis(phen... | 240 | C16H20N2 | 000140-28-3 | 53 |



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Acq On : 03 Oct 2019 17:24
Operator : JU
Sample : K4983-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDM8

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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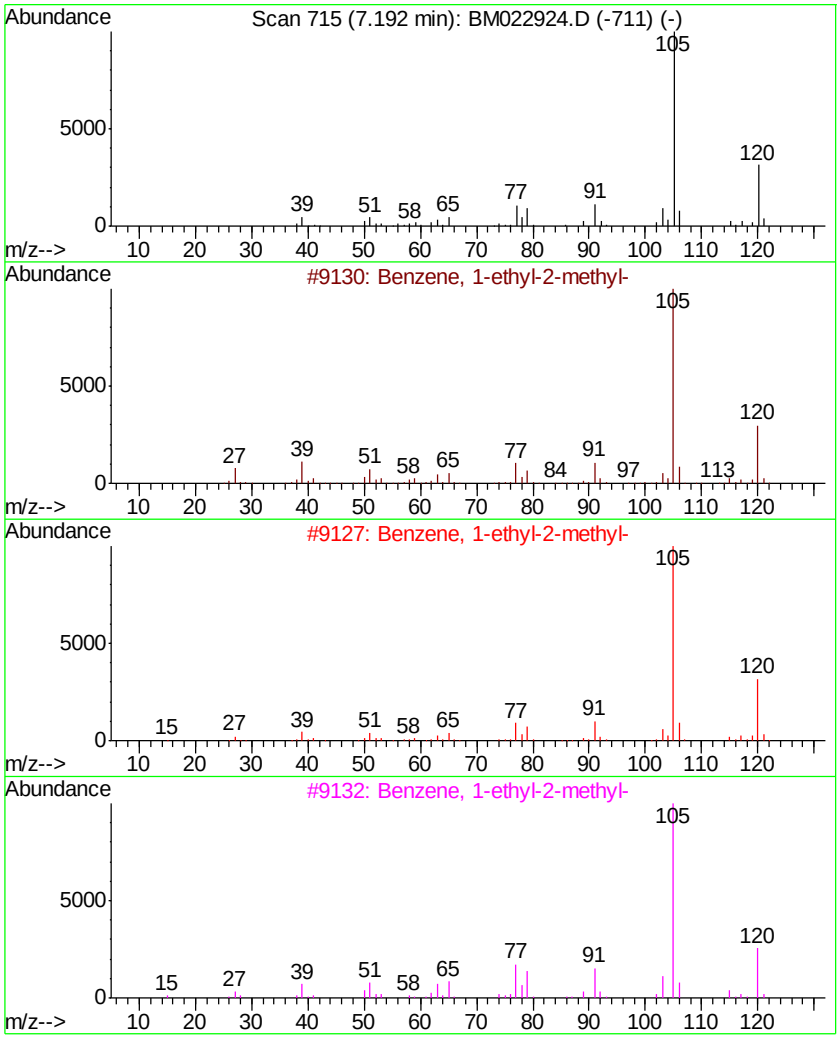
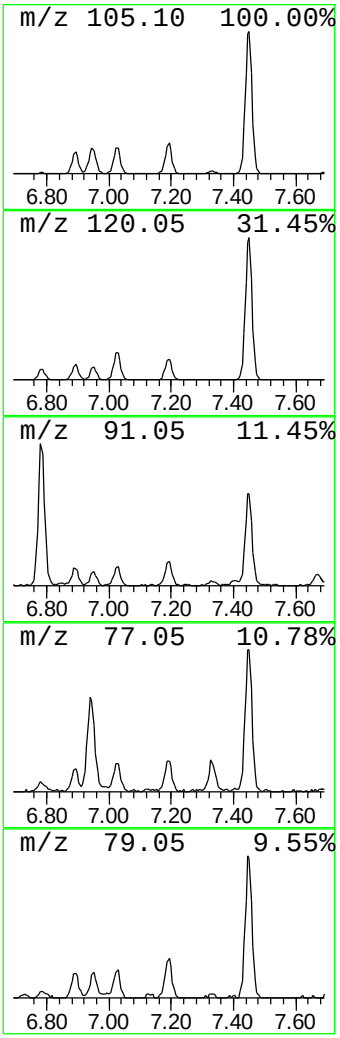
Peak Number 10 Benzene, 1-ethyl-2-methyl- Concentration Rank 28

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.19 | 2.60 ng/ul | 169783 | 1,4-Dichlorobenzene-d4 | 7.79 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-2-methyl- | 120 | C9H12 | 000611-14-3 | 95 |
| 2 | Benzene, 1-ethyl-2-methyl- | 120 | C9H12 | 000611-14-3 | 94 |
| 3 | Benzene, 1-ethyl-2-methyl- | 120 | C9H12 | 000611-14-3 | 94 |
| 4 | Benzene, 1-ethyl-4-methyl- | 120 | C9H12 | 000622-96-8 | 94 |
| 5 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 91 |



Library Search Compound Report

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Acq On : 03 Oct 2019 17:24
Operator : JU
Sample : K4983-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDM8

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

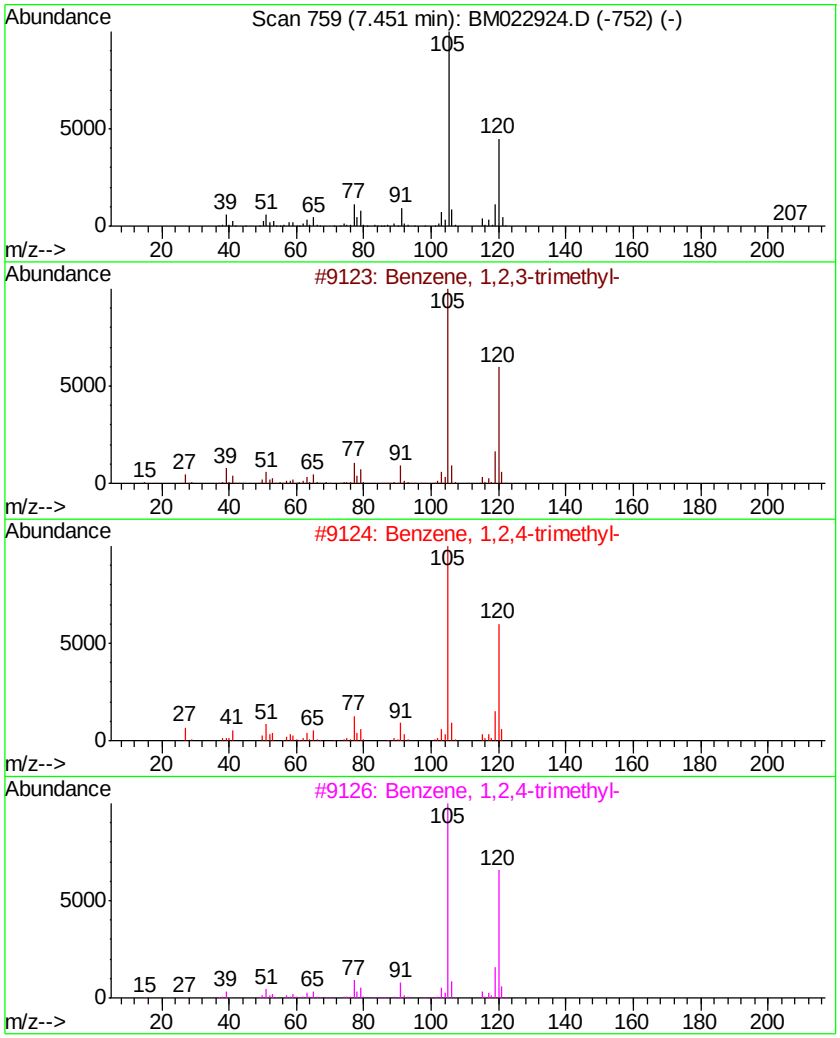
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

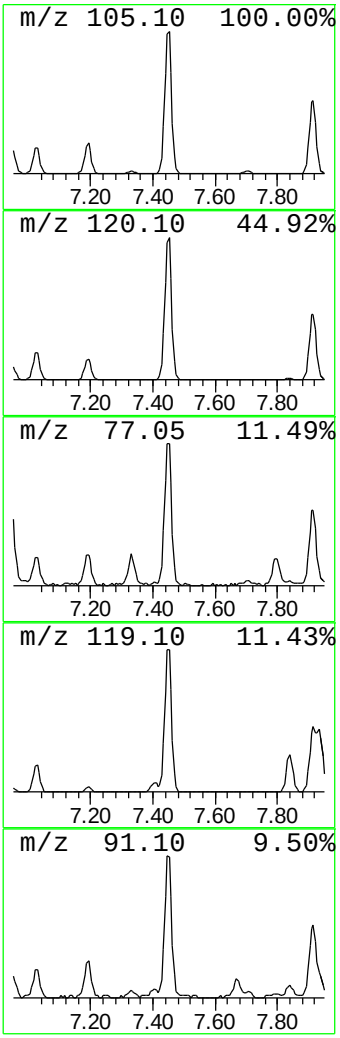
**********

Peak Number 11 Benzene, 1,2,3-trimethyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.45 | 14.08 ng/ul | 918397 | 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, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 95 |
| 3 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 95 |
| 4 | Benzene, 1,3,5-trimethyl- | 120 | C9H12 | 000108-67-8 | 94 |
| 5 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 94 |



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Operator : JU
Sample : K4983-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDM8

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

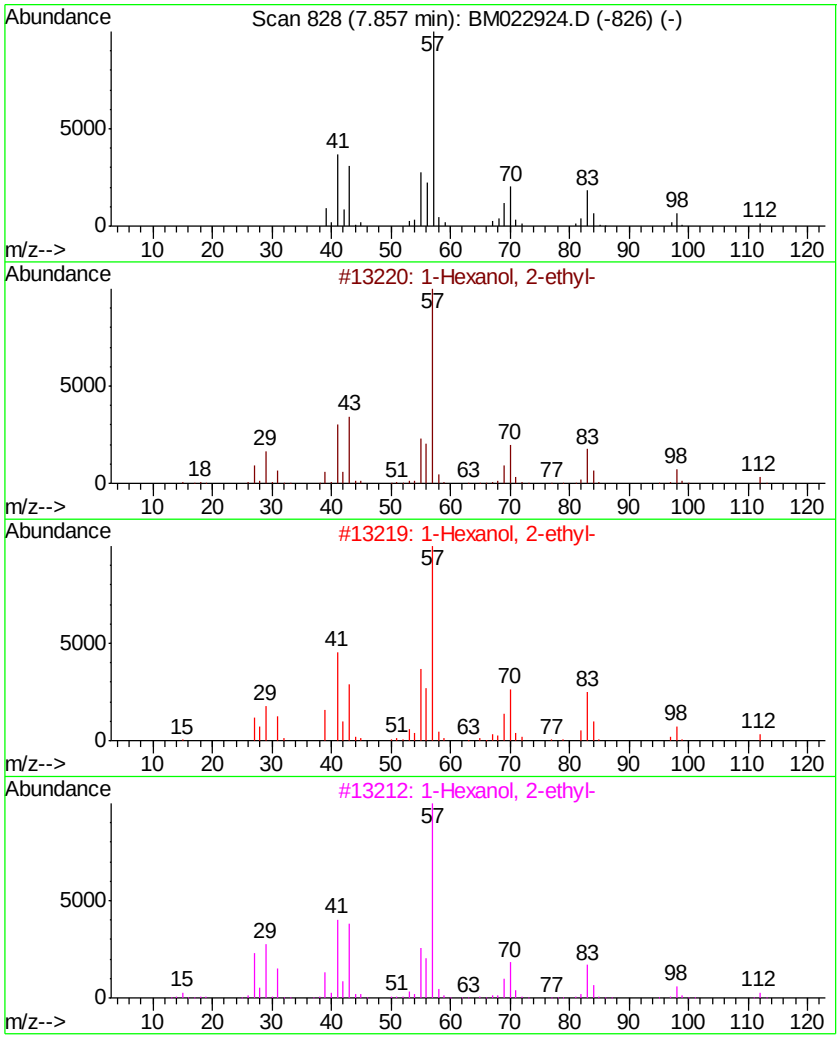
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

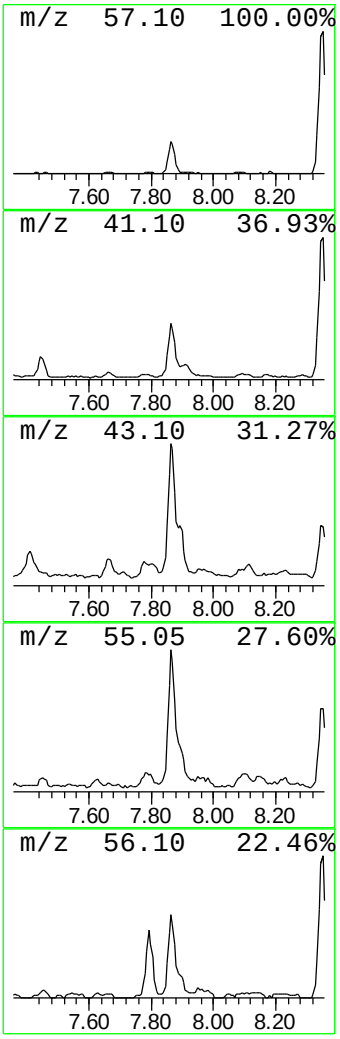
**********

Peak Number 12 1-Hexanol, 2-ethyl- Concentration Rank 22

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.86 | 3.31 ng/ul | 215707 | 1,4-Dichlorobenzene-d4 | 7.79 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Hexanol, 2-ethyl- | 130 | C8H18O | 000104-76-7 | 78 |
| 2 | 1-Hexanol, 2-ethyl- | 130 | C8H18O | 000104-76-7 | 78 |
| 3 | 1-Hexanol, 2-ethyl- | 130 | C8H18O | 000104-76-7 | 78 |
| 4 | 1-Pentanol, 2-ethyl-4-methyl- | 130 | C8H18O | 000106-67-2 | 59 |
| 5 | 1-Hexanol, 2-ethyl- | 130 | C8H18O | 000104-76-7 | 59 |



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Data File : BM022924.D
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Operator : JU
Sample : K4983-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDM8

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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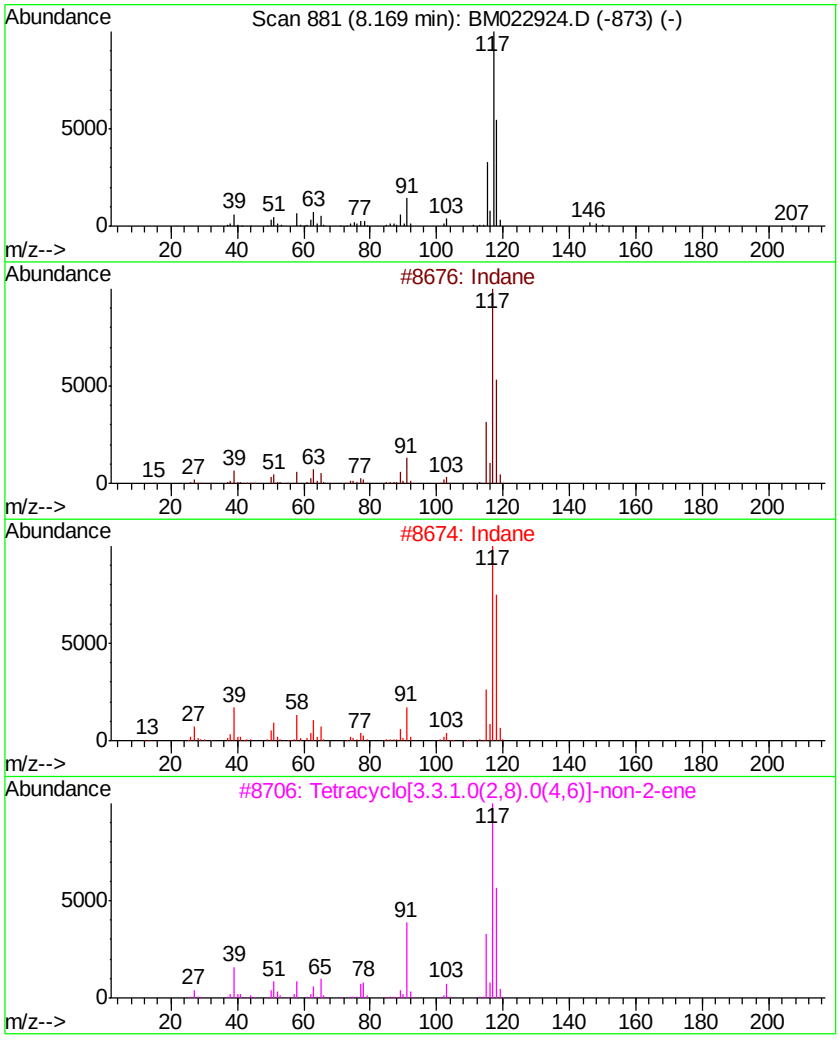
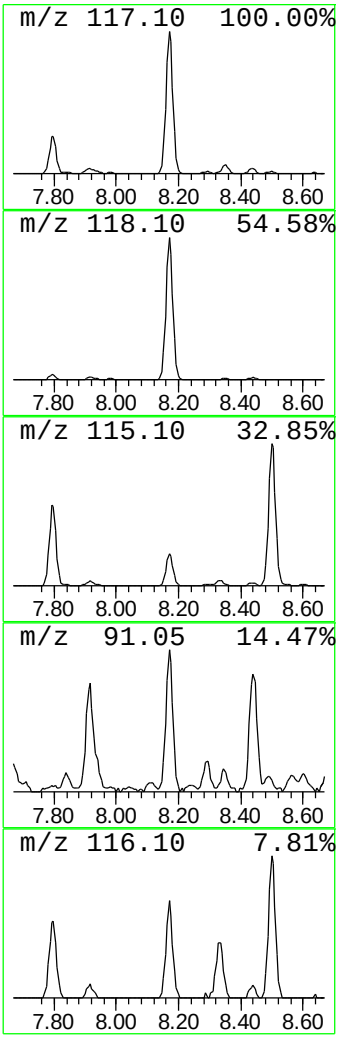
Peak Number 14 Indane Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.17 | 9.20 ng/ul | 599722 | 1,4-Dichlorobenzene-d4 | 7.79 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indane | 118 | C9H10 | 000496-11-7 | 95 |
| 2 | Indane | 118 | C9H10 | 000496-11-7 | 90 |
| 3 | Tetracyclo[3.3.1.0(2,8).0(4,6)]-... | 118 | C9H10 | 1000191-13-7 | 83 |
| 4 | Indane | 118 | C9H10 | 000496-11-7 | 72 |
| 5 | 1H-Indene, 1-ethyl-2,3-dihydro- | 146 | C11H14 | 004830-99-3 | 50 |



# Library Search Compound Report

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Data File : BM022924.D
Acq On : 03 Oct 2019 17:24
Operator : JU
Sample : K4983-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDM8

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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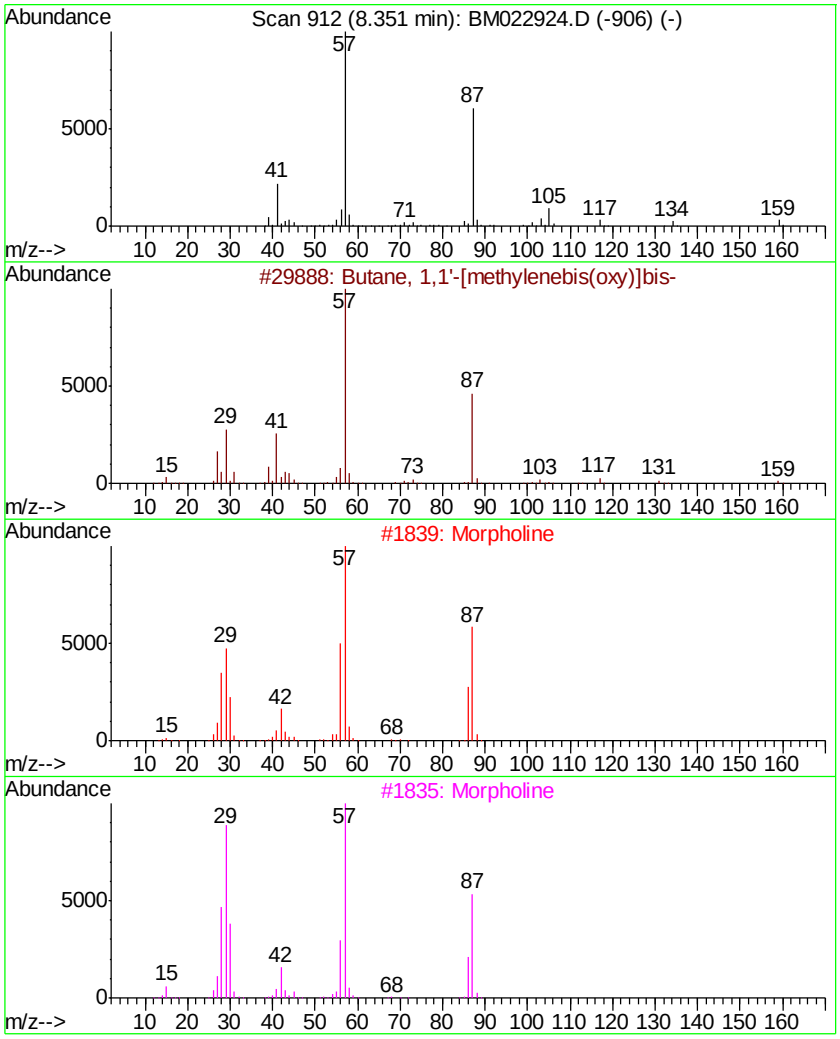
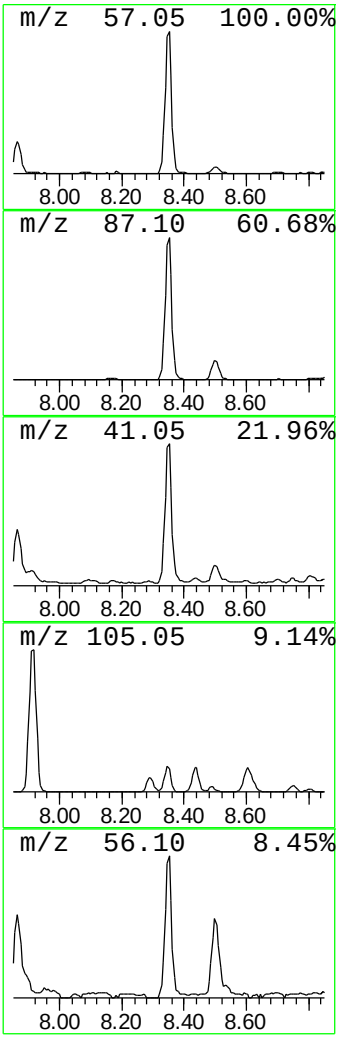
Peak Number 15 Butane, 1,1'-[methylenebis(... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.35 | 11.77 ng/ul | 767447 | 1,4-Dichlorobenzene-d4 | 7.79 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 1,1'-[methylenebis(oxy)]... | 160 | C9H20O2 | 002568-90-3 | 59 |
| 2 | Morpholine | 87 | C4H9NO | 000110-91-8 | 58 |
| 3 | Morpholine | 87 | C4H9NO | 000110-91-8 | 53 |
| 4 | Propane, 1-(chloromethoxy)-2-met... | 122 | C5H11ClO | 034180-11-5 | 53 |
| 5 | 3-Pentanol, 3-(1,1-dimethylethyl... | 200 | C13H28O | 041902-42-5 | 42 |



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Acq On : 03 Oct 2019 17:24
Operator : JU
Sample : K4983-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDM8

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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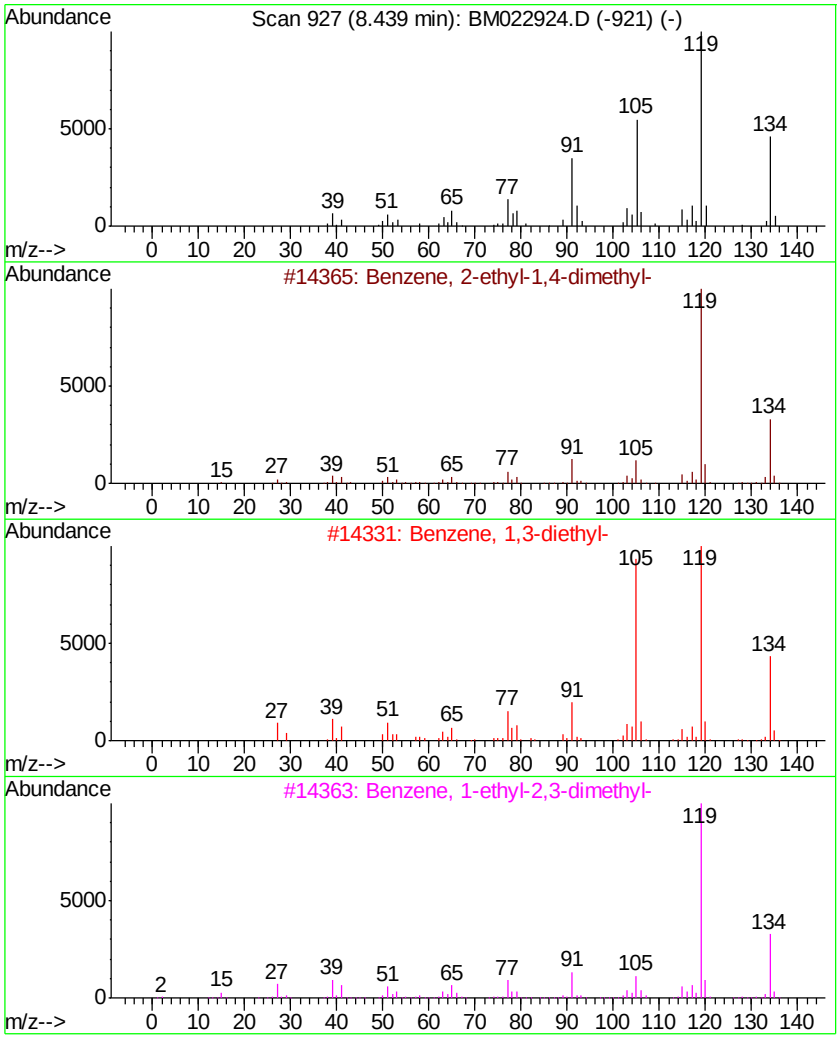
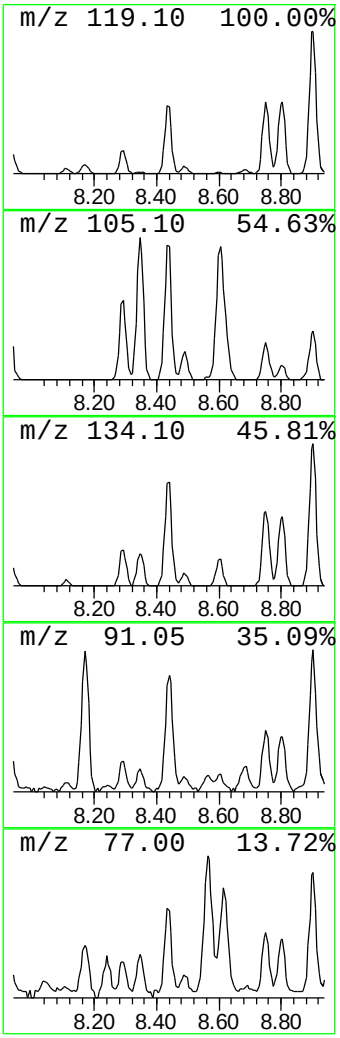
Peak Number 16 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.44 | 3.37 ng/ul | 220042 | 1,4-Dichlorobenzene-d4 | 7.79 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 94 |
| 2 | Benzene, 1,3-diethyl- | 134 | C10H14 | 000141-93-5 | 91 |
| 3 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 91 |
| 4 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 91 |
| 5 | Benzene, 1-ethyl-3,5-dimethyl- | 134 | C10H14 | 000934-74-7 | 91 |



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Data File : BM022924.D
Acq On : 03 Oct 2019 17:24
Operator : JU
Sample : K4983-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDM8

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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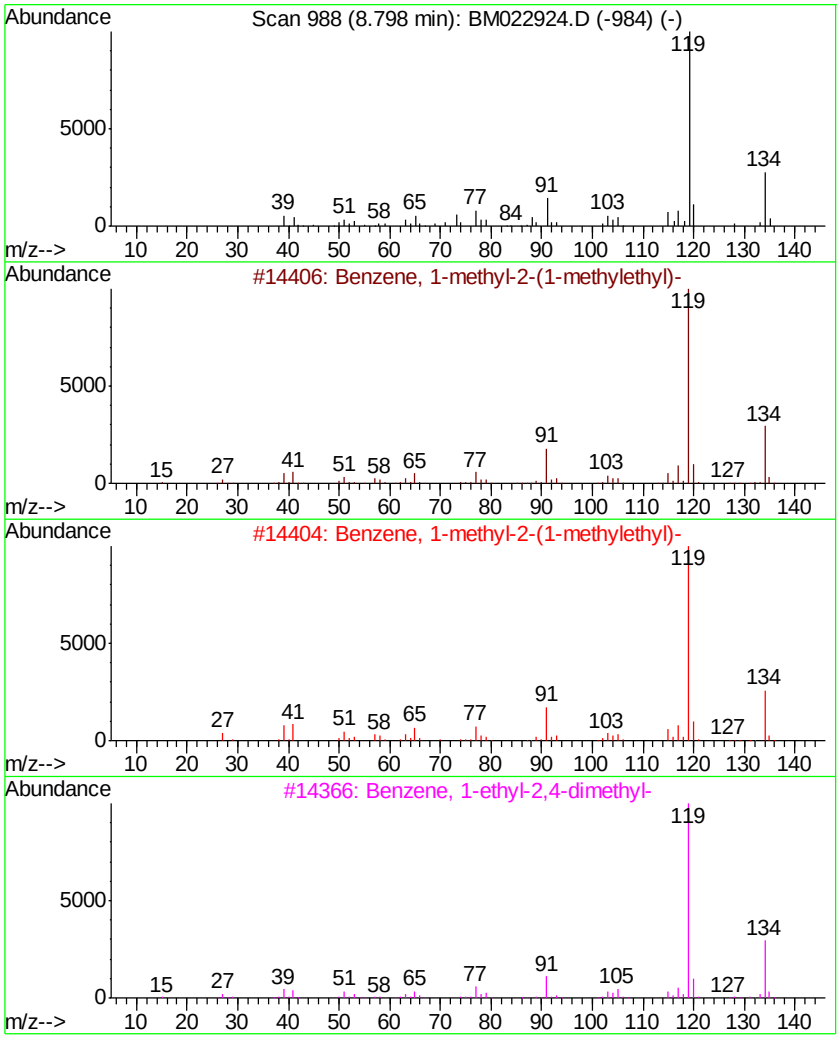
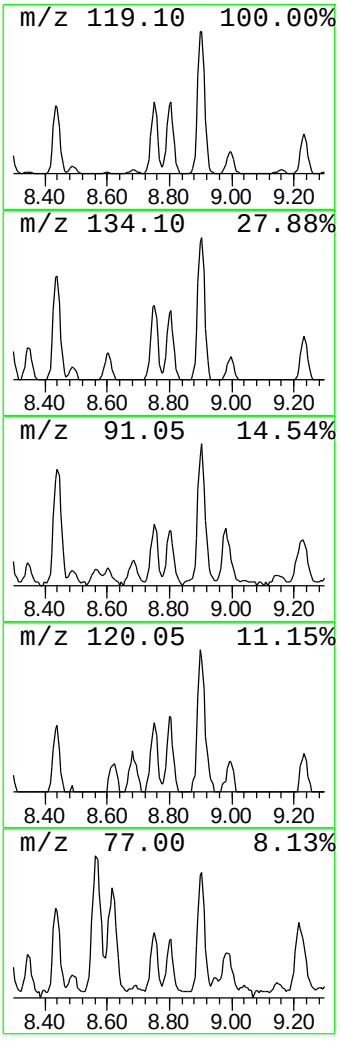
Peak Number 18 Benzene, 1-methyl-2-(1-meth... Concentration Rank 31

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.80 | 2.34 ng/ul | 152880 | 1,4-Dichlorobenzene-d4 | 7.79 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-methyl-2-(1-methyleth... | 134 | C10H14 | 000527-84-4 | 95 |
| 2 | Benzene, 1-methyl-2-(1-methyleth... | 134 | C10H14 | 000527-84-4 | 95 |
| 3 | Benzene, 1-ethyl-2,4-dimethyl- | 134 | C10H14 | 000874-41-9 | 95 |
| 4 | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14 | 000535-77-3 | 94 |
| 5 | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14 | 000535-77-3 | 94 |



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Data File : BM022924.D
Acq On : 03 Oct 2019 17:24
Operator : JU
Sample : K4983-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDM8

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

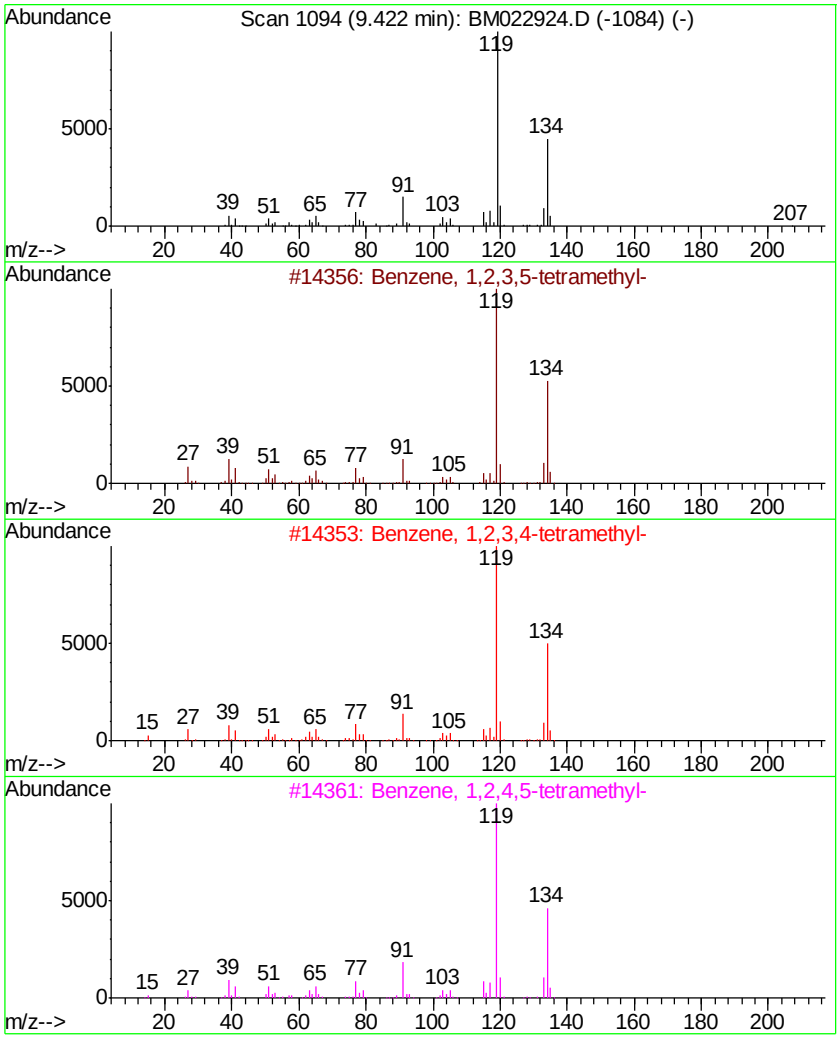
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

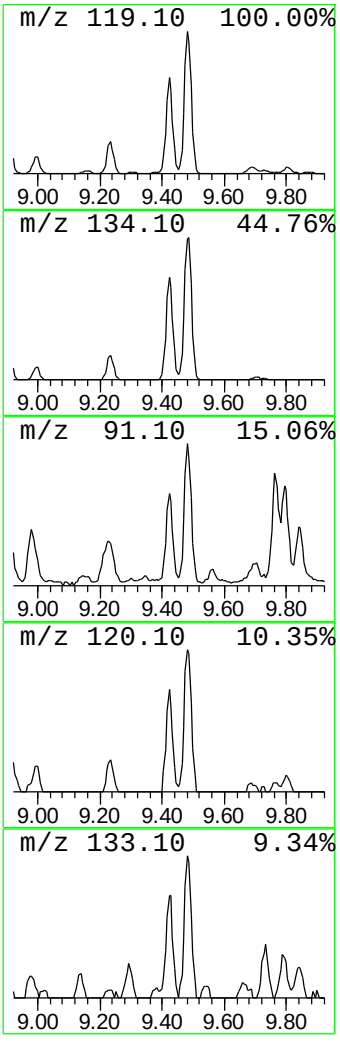
**********

Peak Number 19 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 26

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.42 | 2.85 ng/ul | 301323 | Naphthalene-d8 | 10.59 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 97 |
| 2 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 97 |
| 3 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 97 |
| 4 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 97 |
| 5 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 97 |



Library Search Compound Report

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Data File : BM022924.D
Acq On : 03 Oct 2019 17:24
Operator : JU
Sample : K4983-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDM8

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

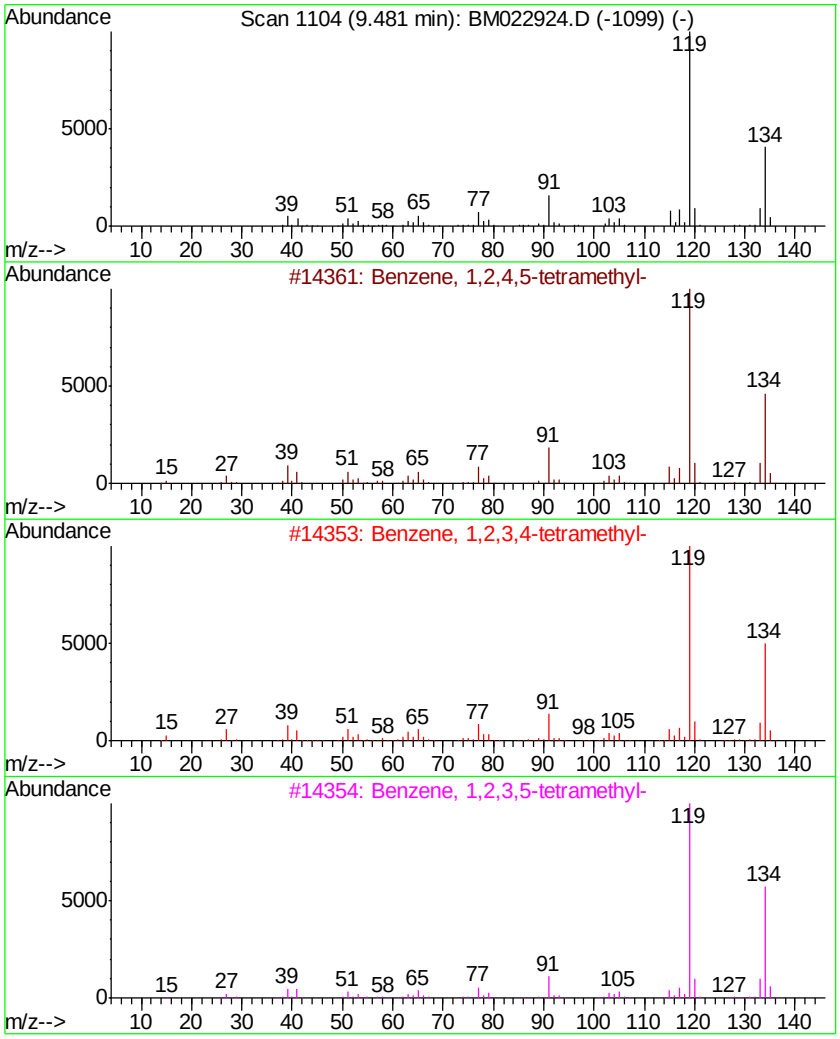
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

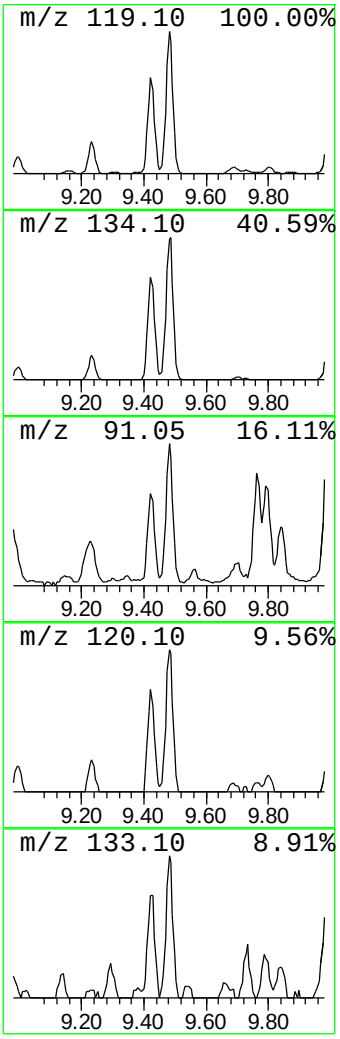
**********

Peak Number 20 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.48 | 3.63 ng/ul | 384321 | Naphthalene-d8 | 10.59 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 97 |
| 2 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 97 |
| 3 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 95 |
| 4 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 95 |
| 5 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 95 |



# Library Search Compound Report

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Data File : BM022924.D
Acq On : 03 Oct 2019 17:24
Operator : JU
Sample : K4983-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDM8

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

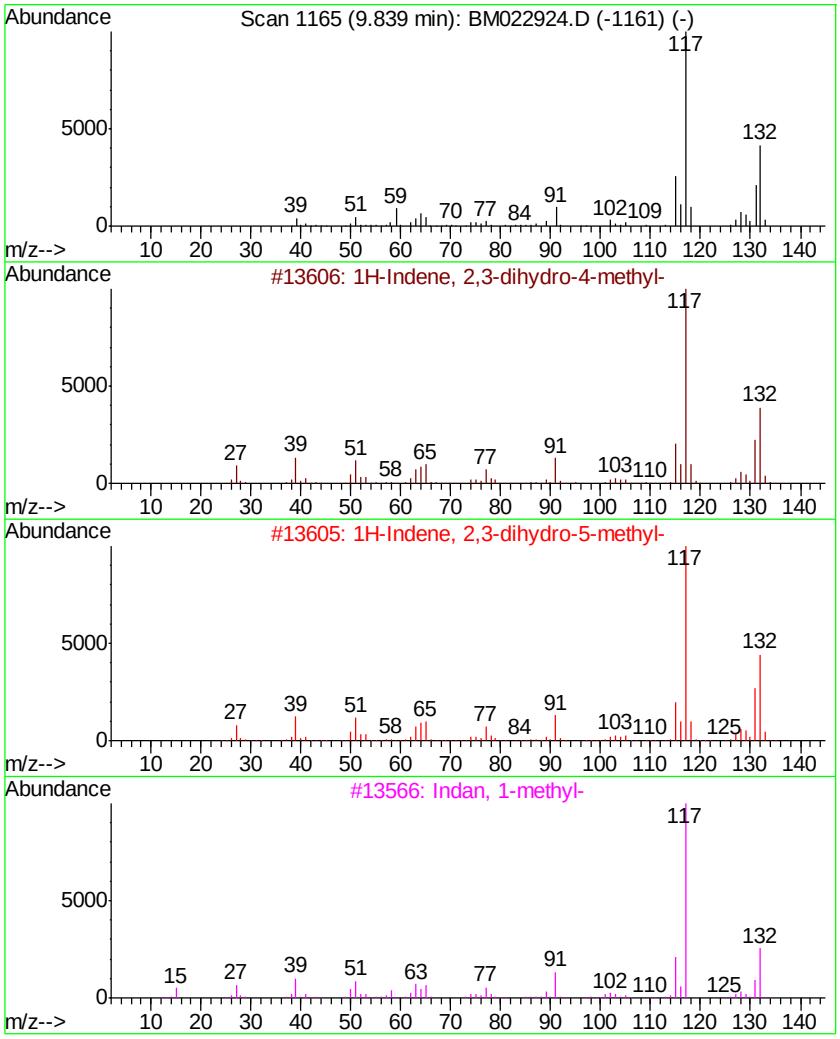
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

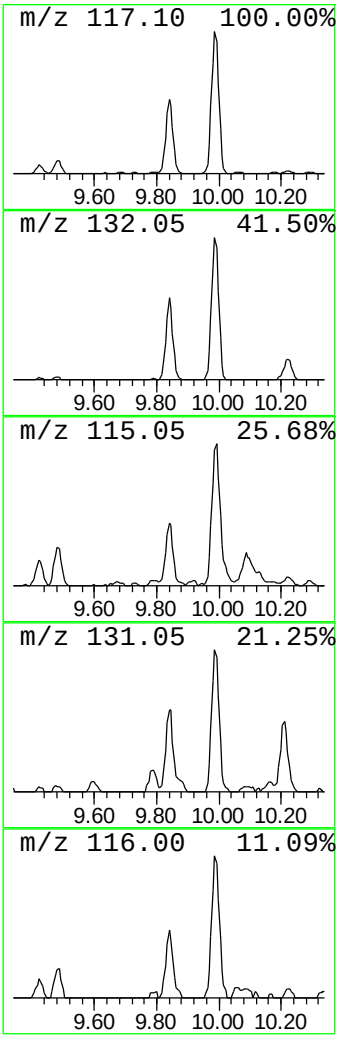
**********

Peak Number 21 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 29

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.84 | 2.60 ng/ul | 275022 | Naphthalene-d8 | 10.59 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12 | 000824-22-6 | 90 |
| 2 | 1H-Indene, 2,3-dihydro-5-methyl- | 132 | C10H12 | 000874-35-1 | 90 |
| 3 | Indan, 1-methyl- | 132 | C10H12 | 000767-58-8 | 90 |
| 4 | 3-Phenylbut-1-ene | 132 | C10H12 | 000934-10-1 | 86 |
| 5 | 1-Phenyl-1-butene | 132 | C10H12 | 000824-90-8 | 80 |



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Data File : BM022924.D
Acq On : 03 Oct 2019 17:24
Operator : JU
Sample : K4983-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDM8

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

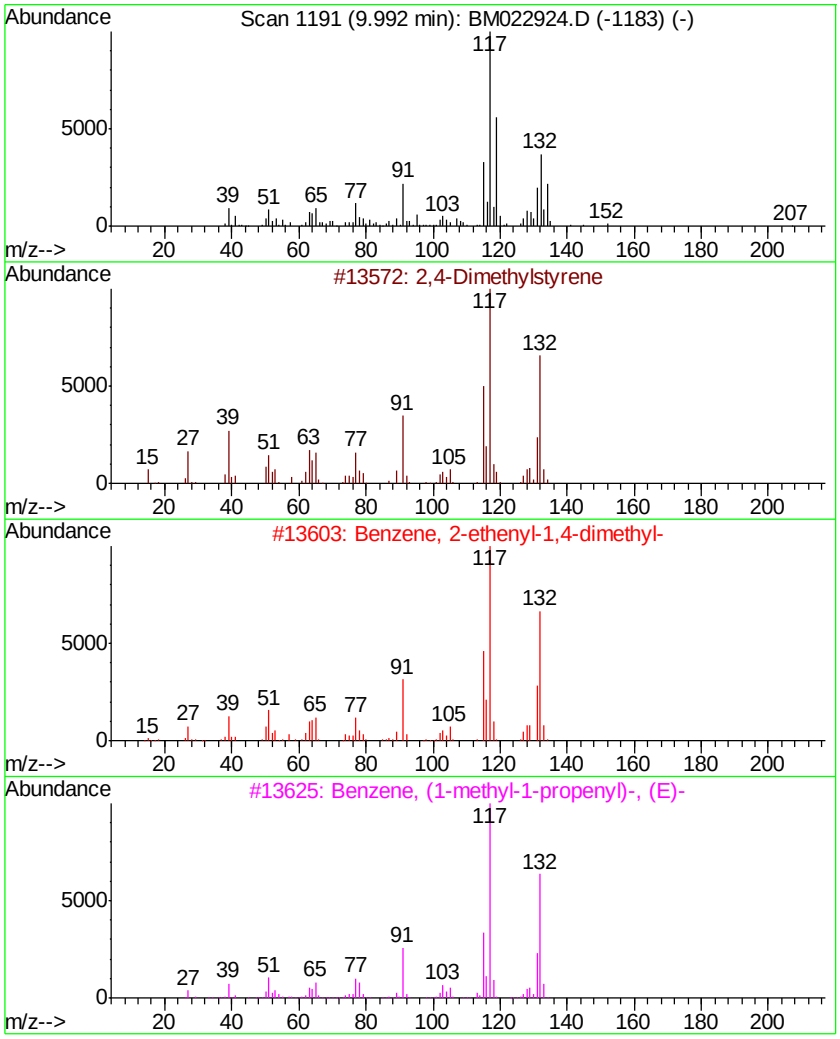
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

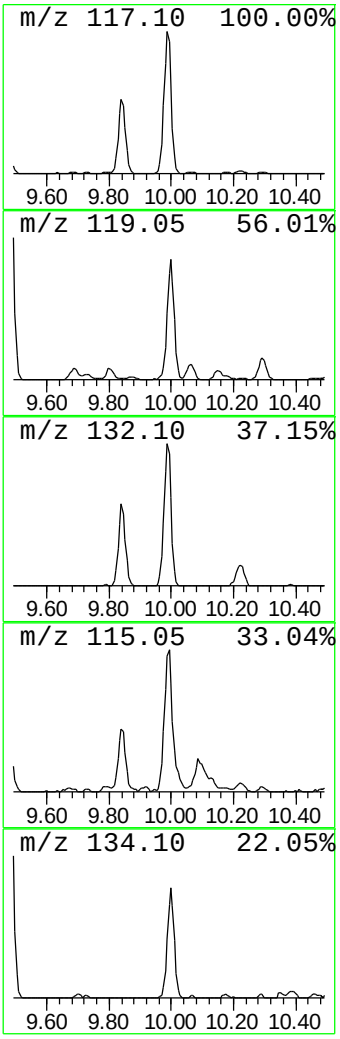
**********

Peak Number 22 2,4-Dimethylstyrene Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.99 | 9.51 ng/ul | 1006060 | Naphthalene-d8 | 10.59 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,4-Dimethylstyrene | 132 | C10H12 | 002234-20-0 | 95 |
| 2 | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12 | 002039-89-6 | 95 |
| 3 | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12 | 000768-00-3 | 70 |
| 4 | 1H-Indene, 2,3-dihydro-5-methyl- | 132 | C10H12 | 000874-35-1 | 64 |
| 5 | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12 | 000824-22-6 | 64 |



Library Search Compound Report

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Data File : BM022924.D
Acq On : 03 Oct 2019 17:24
Operator : JU
Sample : K4983-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDM8

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

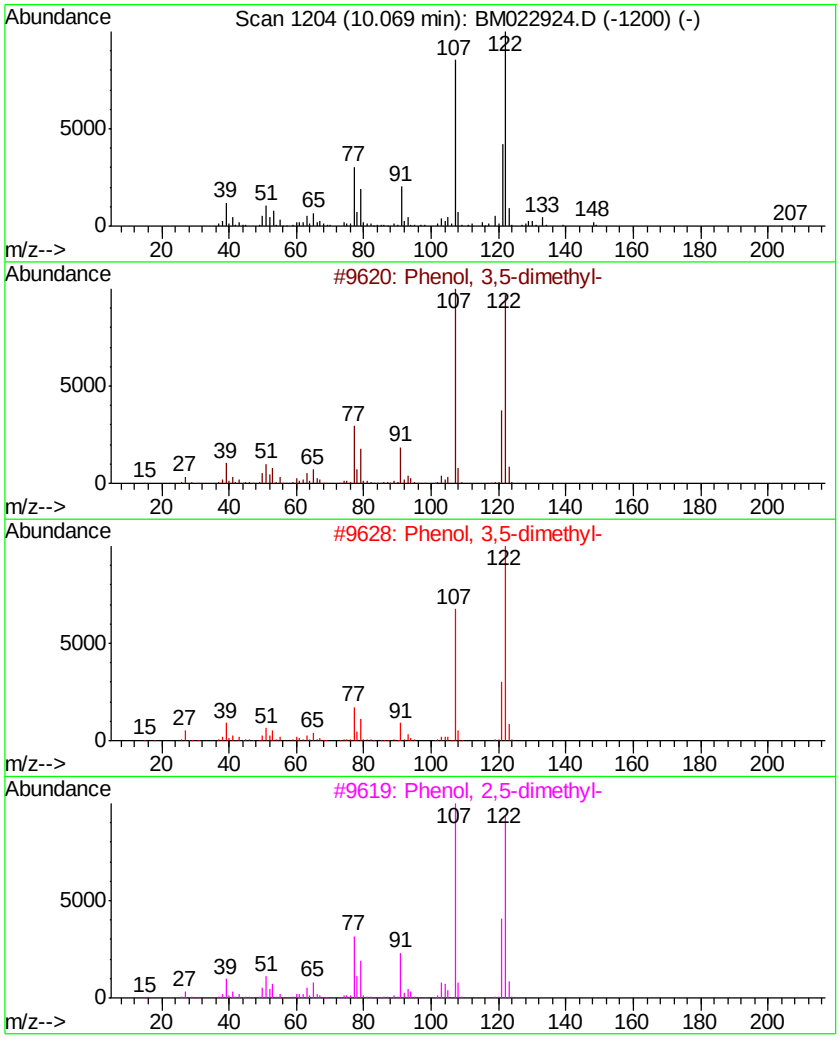
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

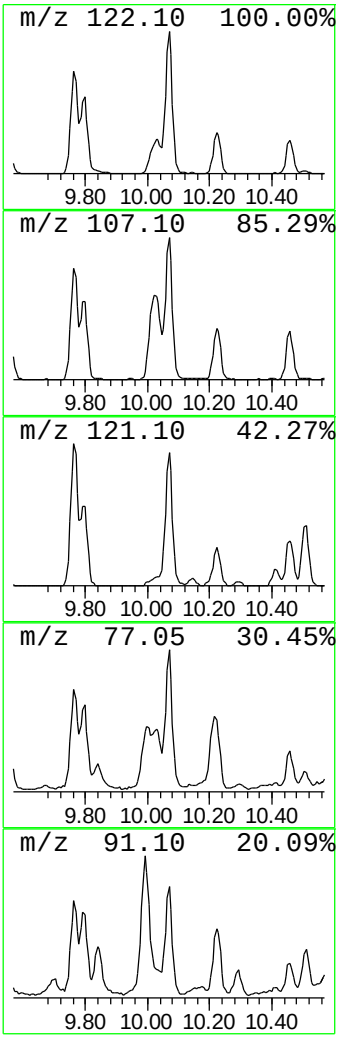
**********

Peak Number 23 Phenol, 3,5-dimethyl- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.07 | 4.92 ng/ul | 520368 | Naphthalene-d8 | 10.59 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 3,5-dimethyl- | 122 | C8H10O | 000108-68-9 | 97 |
| 2 | Phenol, 3,5-dimethyl- | 122 | C8H10O | 000108-68-9 | 90 |
| 3 | Phenol, 2,5-dimethyl- | 122 | C8H10O | 000095-87-4 | 90 |
| 4 | Phenol, 2,6-dimethyl- | 122 | C8H10O | 000576-26-1 | 90 |
| 5 | Phenol, 2,6-dimethyl- | 122 | C8H10O | 000576-26-1 | 90 |



# Library Search Compound Report

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Data File : BM022924.D
Acq On : 03 Oct 2019 17:24
Operator : JU
Sample : K4983-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDM8

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

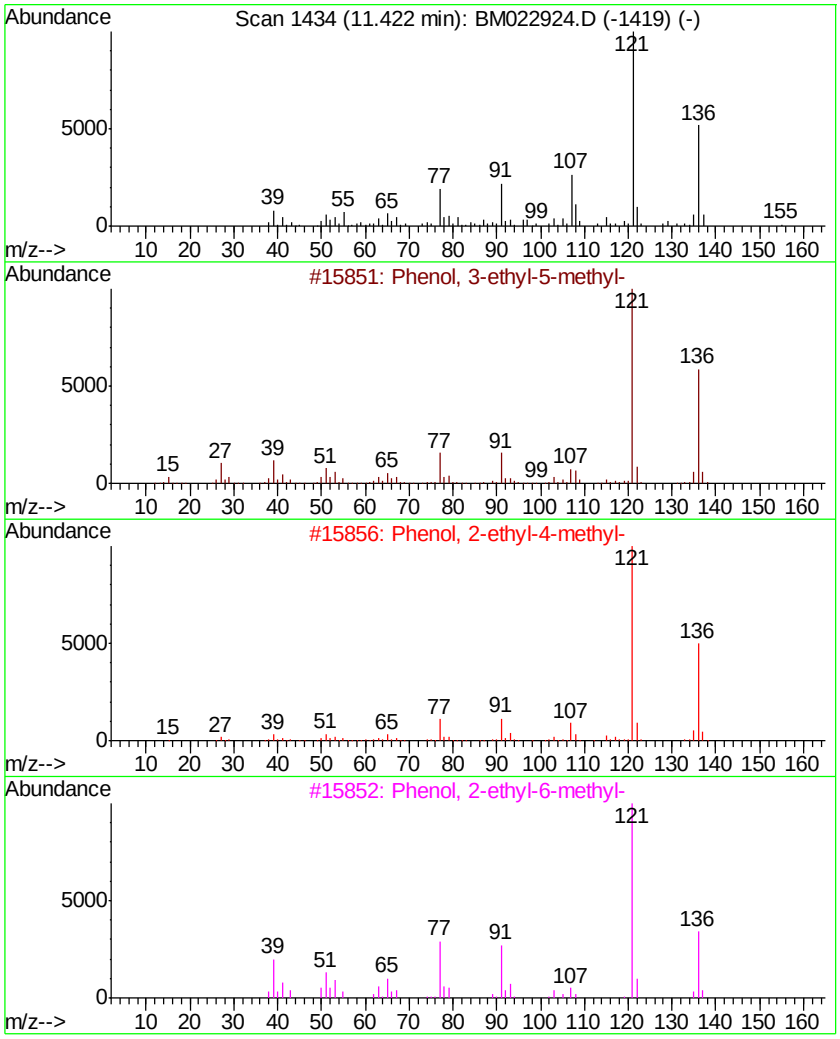
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

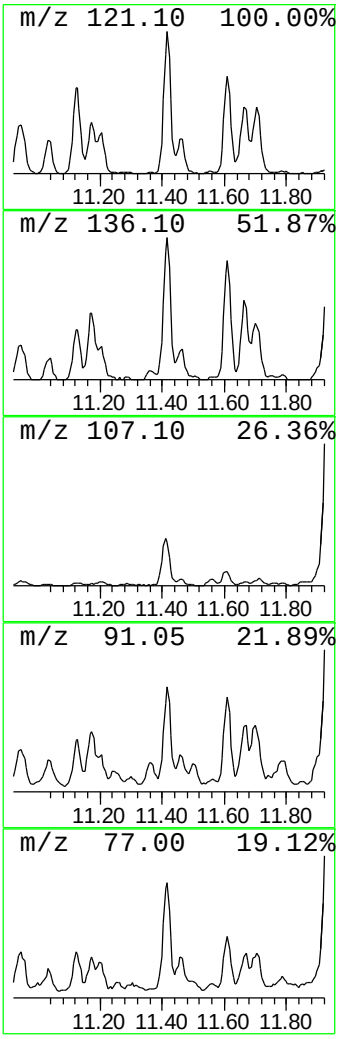
**********

Peak Number 24 Phenol, 3-ethyl-5-methyl- Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.42 | 3.72 ng/ul | 393730 | Naphthalene-d8 | 10.59 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 3-ethyl-5-methyl- | 136 | C9H12O | 000698-71-5 | 90 |
| 2 | Phenol, 2-ethyl-4-methyl- | 136 | C9H12O | 003855-26-3 | 87 |
| 3 | Phenol, 2-ethyl-6-methyl- | 136 | C9H12O | 001687-64-5 | 83 |
| 4 | Phenol, 3-ethyl-5-methyl- | 136 | C9H12O | 000698-71-5 | 81 |
| 5 | Phenol, 2-ethyl-4-methyl- | 136 | C9H12O | 003855-26-3 | 80 |



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Data File : BM022924.D
Acq On : 03 Oct 2019 17:24
Operator : JU
Sample : K4983-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDM8

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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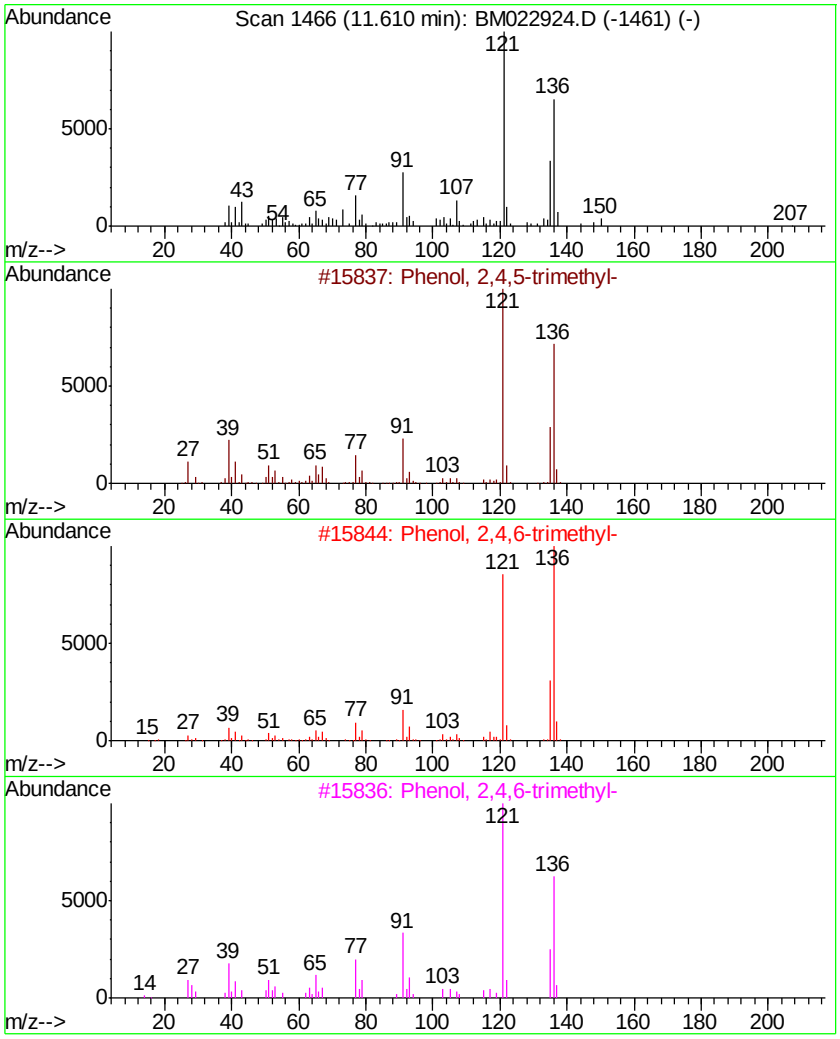
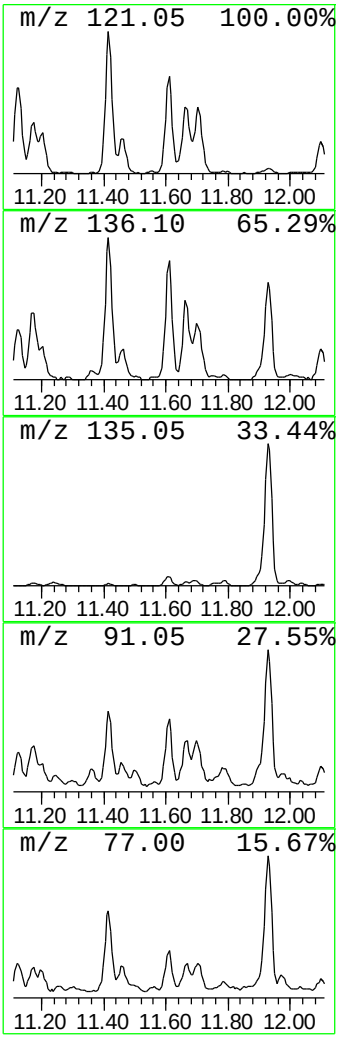
Peak Number 25 Phenol, 2,4,5-trimethyl- Concentration Rank 35

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.61 | 2.01 ng/ul | 212207 | Naphthalene-d8 | 10.59 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 2,4,5-trimethyl- | 136 | C9H12O | 000496-78-6 | 87 |
| 2 | Phenol, 2,4,6-trimethyl- | 136 | C9H12O | 000527-60-6 | 87 |
| 3 | Phenol, 2,4,6-trimethyl- | 136 | C9H12O | 000527-60-6 | 87 |
| 4 | Phenol, 3,4,5-trimethyl- | 136 | C9H12O | 000527-54-8 | 83 |
| 5 | Phenol, 2,4,5-trimethyl- | 136 | C9H12O | 000496-78-6 | 81 |



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Data File : BM022924.D
Acq On : 03 Oct 2019 17:24
Operator : JU
Sample : K4983-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDM8

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

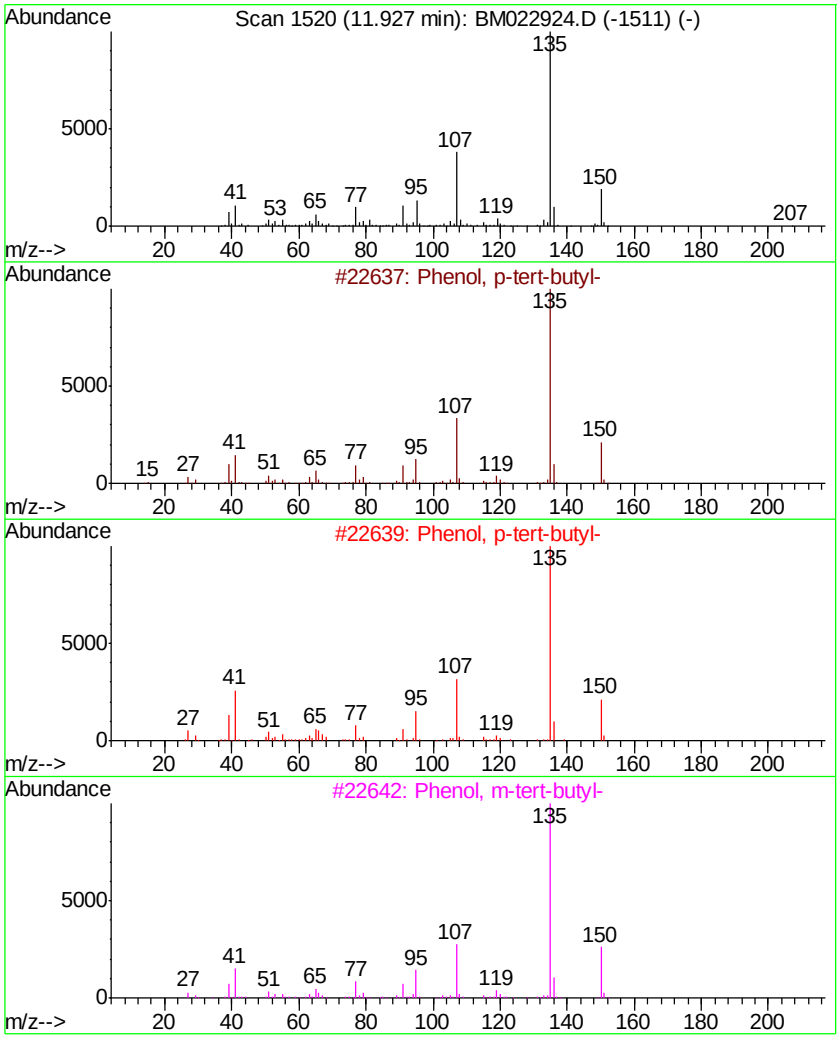
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

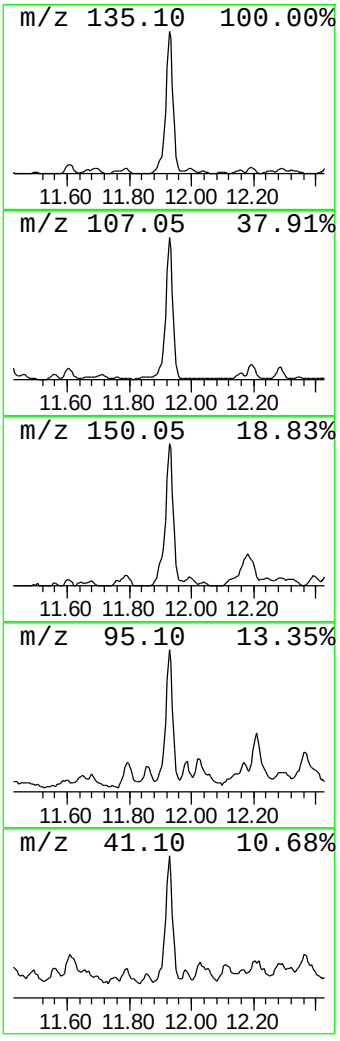
**********

Peak Number 26 Phenol, p-tert-butyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.93 | 7.22 ng/ul | 764076 | Naphthalene-d8 | 10.59 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, p-tert-butyl- | 150 | C10H14O | 000098-54-4 | 96 |
| 2 | Phenol, p-tert-butyl- | 150 | C10H14O | 000098-54-4 | 94 |
| 3 | Phenol, m-tert-butyl- | 150 | C10H14O | 000585-34-2 | 93 |
| 4 | Phenol, m-tert-butyl- | 150 | C10H14O | 000585-34-2 | 91 |
| 5 | Hexestrol | 270 | C18H22O2 | 005635-50-7 | 59 |



# Library Search Compound Report

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Data File : BM022924.D
Acq On : 03 Oct 2019 17:24
Operator : JU
Sample : K4983-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDM8

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

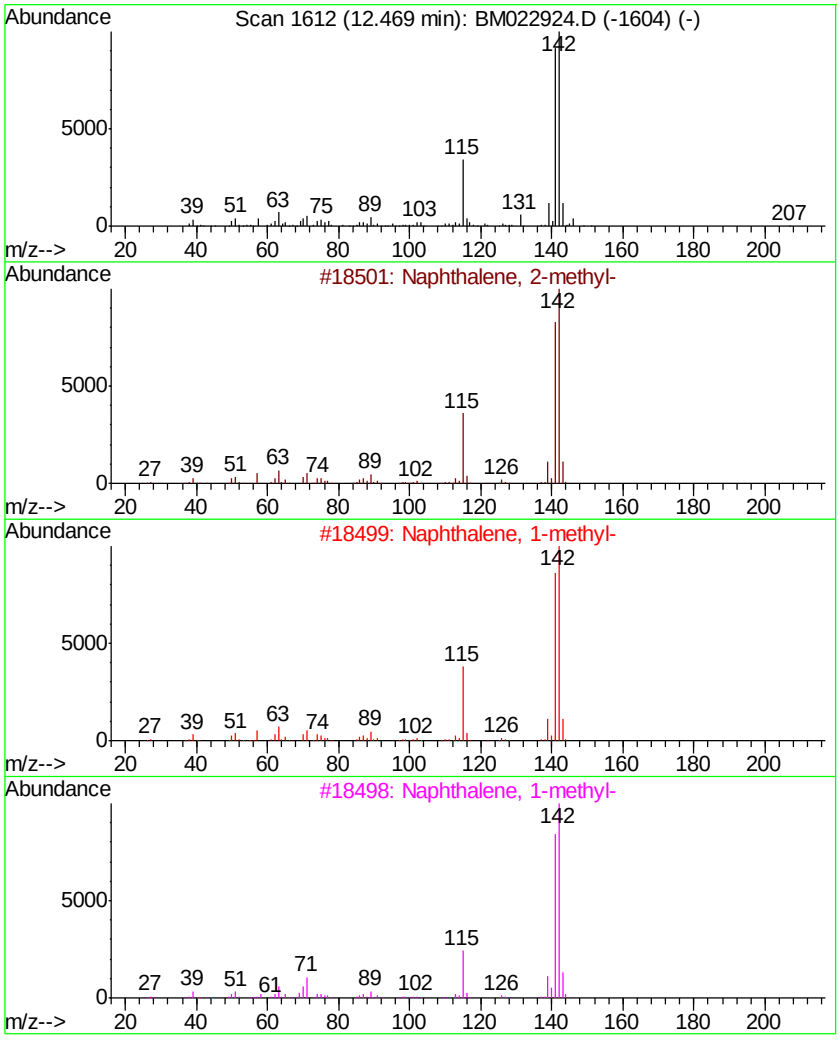
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

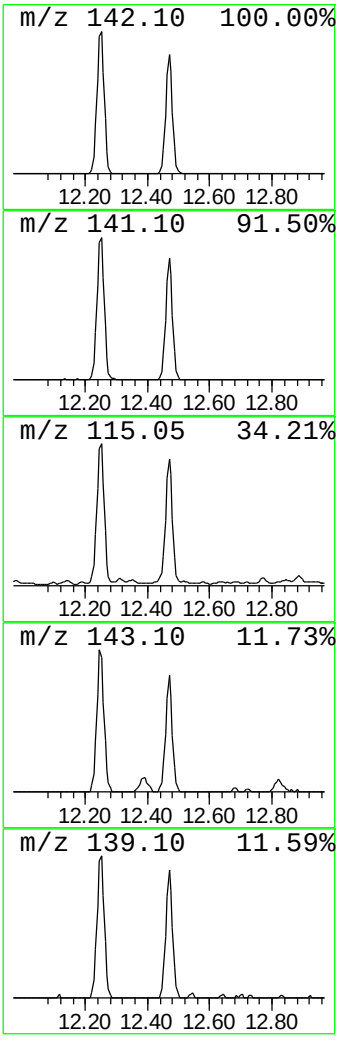
**********

Peak Number 27 Naphthalene, 1-methyl- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.47 | 6.27 ng/ul | 663003 | Naphthalene-d8 | 10.59 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 96 |
| 2 | Naphthalene, 1-methyl- | 142 | C11H10 | 000090-12-0 | 96 |
| 3 | Naphthalene, 1-methyl- | 142 | C11H10 | 000090-12-0 | 94 |
| 4 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 94 |
| 5 | Naphthalene, 1-methyl- | 142 | C11H10 | 000090-12-0 | 91 |



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Data File : BM022924.D
Acq On : 03 Oct 2019 17:24
Operator : JU
Sample : K4983-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDM8

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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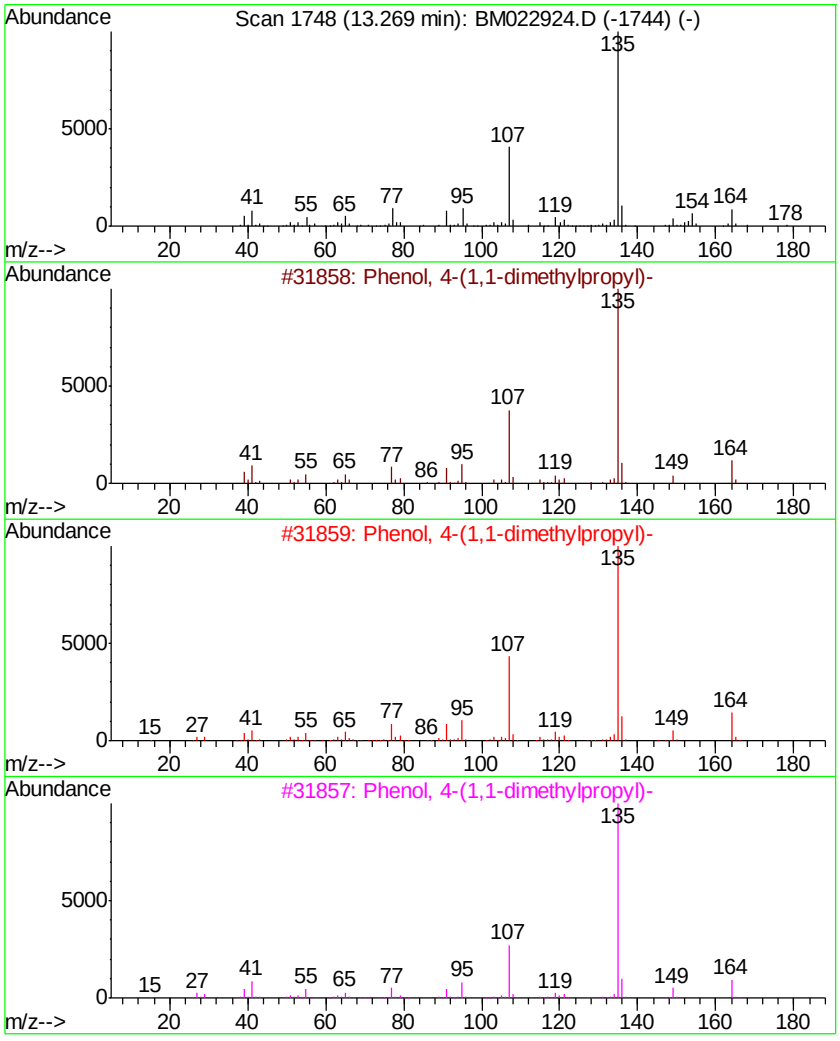
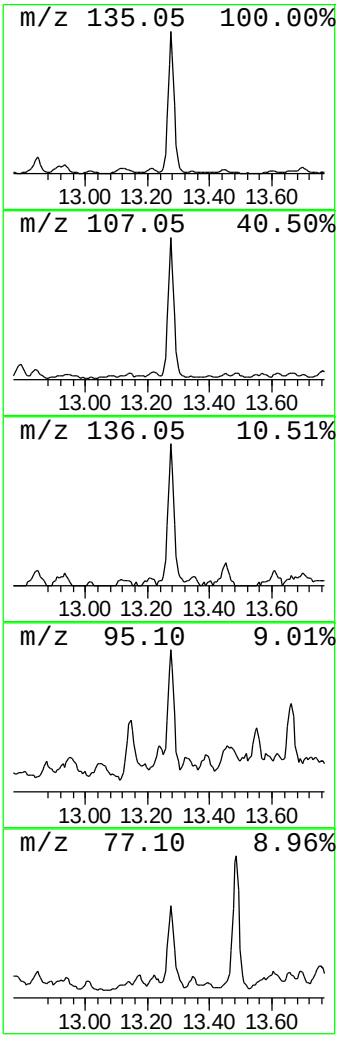
Peak Number 28 Phenol, 4-(1,1-dimethylprop... Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.27 | 3.86 ng/ul | 547992 | Acenaphthene-d10 | 14.43 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 4-(1,1-dimethylpropyl)- | 164 | C11H16O | 000080-46-6 | 97 |
| 2 | Phenol, 4-(1,1-dimethylpropyl)- | 164 | C11H16O | 000080-46-6 | 93 |
| 3 | Phenol, 4-(1,1-dimethylpropyl)- | 164 | C11H16O | 000080-46-6 | 93 |
| 4 | Phenol, m-tert-butyl- | 150 | C10H14O | 000585-34-2 | 53 |
| 5 | Phenol, p-tert-butyl- | 150 | C10H14O | 000098-54-4 | 53 |



Library Search Compound Report

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Data File : BM022924.D
Acq On : 03 Oct 2019 17:24
Operator : JU
Sample : K4983-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDM8

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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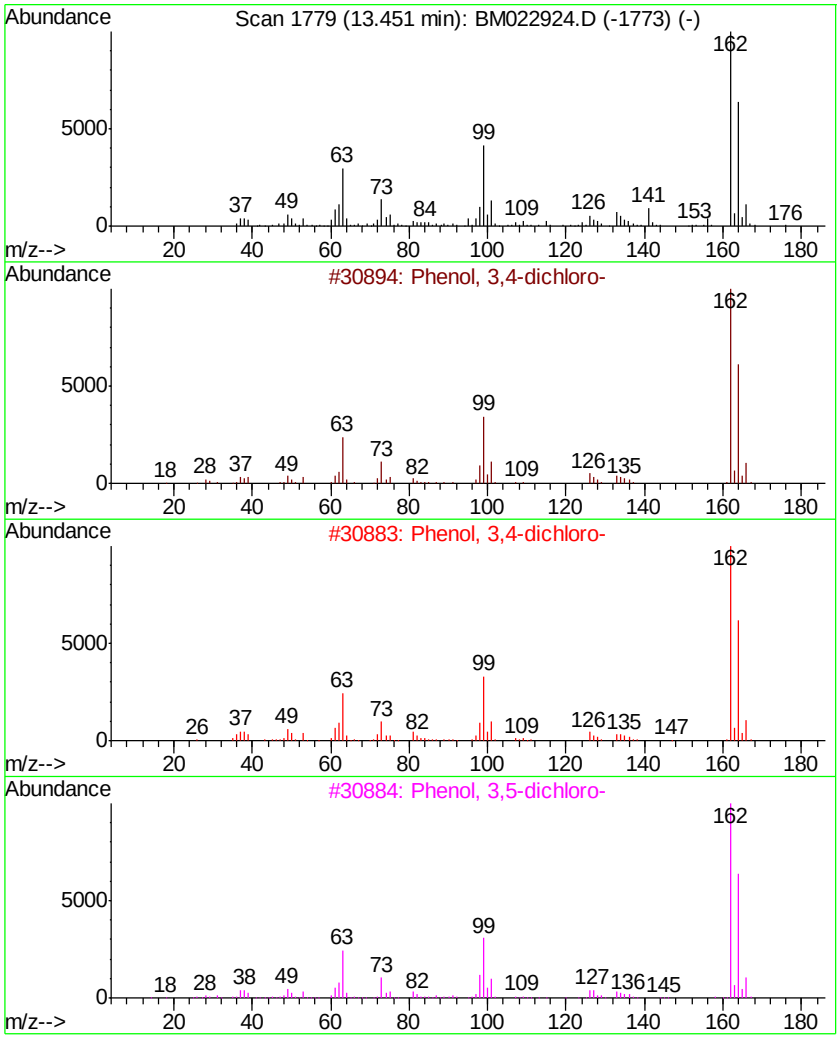
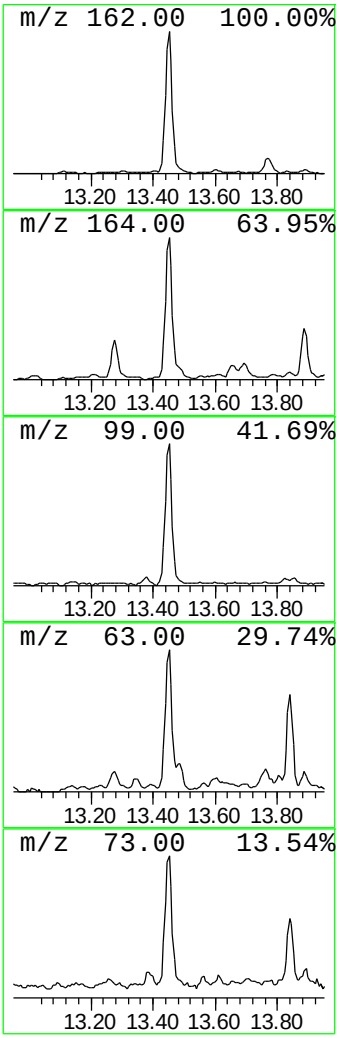
Peak Number 29 Phenol, 3,4-dichloro- Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.45 | 3.47 ng/ul | 492597 | Acenaphthene-d10 | 14.43 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 3,4-dichloro- | 162 | C6H4Cl2O | 000095-77-2 | 98 |
| 2 | Phenol, 3,4-dichloro- | 162 | C6H4Cl2O | 000095-77-2 | 98 |
| 3 | Phenol, 3,5-dichloro- | 162 | C6H4Cl2O | 000591-35-5 | 96 |
| 4 | Phenol, 3,5-dichloro- | 162 | C6H4Cl2O | 000591-35-5 | 96 |
| 5 | Phenol, 3,5-dichloro- | 162 | C6H4Cl2O | 000591-35-5 | 96 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100319\
Data File : BM022924.D
Acq On : 03 Oct 2019 17:24
Operator : JU
Sample : K4983-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDM8

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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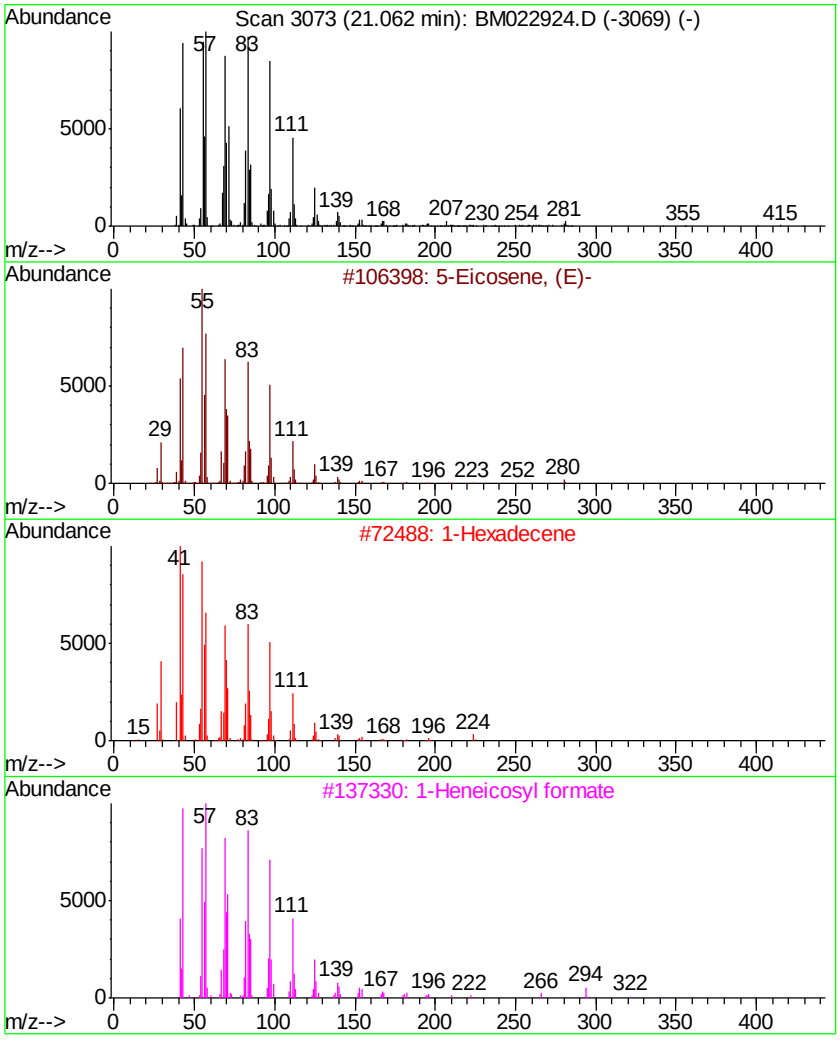
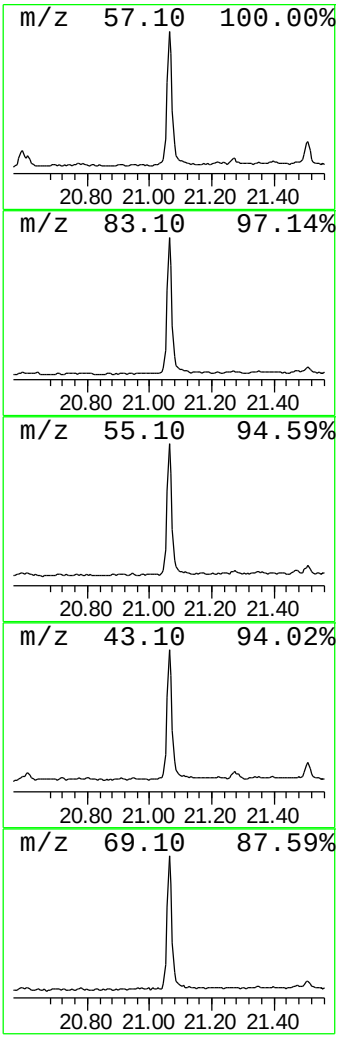
Peak Number 35 (DEL) Alkane: Cyclic21.06 Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.06 | 7.57 ng/ul | 859472 | Chrysene-d12 | 21.35 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 5-Eicosene, (E)- | 280 | C20H40 | 074685-30-6 | 99 |
| 2 | 1-Hexadecene | 224 | C16H32 | 000629-73-2 | 95 |
| 3 | 1-Heneicosyl formate | 340 | C22H44O2 | 077899-03-7 | 94 |
| 4 | Dichloroacetic acid, heptadecyl ... | 366 | C19H36Cl2O2 | 1000282-98-2 | 94 |
| 5 | Heptafluorobutyric acid, n-penta... | 424 | C19H31F7O2 | 1000216-79-3 | 91 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM100319\
Data File : BM022924.D
Acq On : 03 Oct 2019 17:24
Operator : JU
Sample : K4983-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFDM8

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 | 3.5 | ng/ul | 228235 | 1 | 7.79 | 1304400 | 20.0 |
| Toluene | 3.99 | 2.1 | ng/ul | 138199 | 1 | 7.79 | 1304400 | 20.0 |
| Propanoic acid, 2... | 4.26 | 7.2 | ng/ul | 471006 | 1 | 7.79 | 1304400 | 20.0 |
| Propanoic acid, p... | 4.44 | 11.0 | ng/ul | 716375 | 1 | 7.79 | 1304400 | 20.0 |
| Butanoic acid, 1-... | 4.90 | 12.8 | ng/ul | 833962 | 1 | 7.79 | 1304400 | 20.0 |
| Ethylbenzene | 5.32 | 2.1 | ng/ul | 135120 | 1 | 7.79 | 1304400 | 20.0 |
| Benzene, 1,3-dime... | 5.45 | 3.0 | ng/ul | 193229 | 1 | 7.79 | 1304400 | 20.0 |
| p-Xylene | 5.82 | 4.0 | ng/ul | 257761 | 1 | 7.79 | 1304400 | 20.0 |
| Benzene, propyl- | 6.79 | 3.3 | ng/ul | 213294 | 1 | 7.79 | 1304400 | 20.0 |
| Benzene, 1-ethyl-... | 7.19 | 2.6 | ng/ul | 169783 | 1 | 7.79 | 1304400 | 20.0 |
| Benzene, 1,2,3-tr... | 7.45 | 14.1 | ng/ul | 918397 | 1 | 7.79 | 1304400 | 20.0 |
| 1-Hexanol, 2-ethyl- | 7.86 | 3.3 | ng/ul | 215707 | 1 | 7.79 | 1304400 | 20.0 |
| Indane | 8.17 | 9.2 | ng/ul | 599722 | 1 | 7.79 | 1304400 | 20.0 |
| Butane, 1,1'-[met... | 8.35 | 11.8 | ng/ul | 767447 | 1 | 7.79 | 1304400 | 20.0 |
| Benzene, 2-ethyl-... | 8.44 | 3.4 | ng/ul | 220042 | 1 | 7.79 | 1304400 | 20.0 |
| Benzene, 1-methyl... | 8.80 | 2.3 | ng/ul | 152880 | 1 | 7.79 | 1304400 | 20.0 |
| Benzene, 1,2,3,5-... | 9.42 | 2.9 | ng/ul | 301323 | 2 | 10.59 | 2115900 | 20.0 |
| Benzene, 1,2,4,5-... | 9.48 | 3.6 | ng/ul | 384321 | 2 | 10.59 | 2115900 | 20.0 |
| 1H-Indene, 2,3-di... | 9.84 | 2.6 | ng/ul | 275022 | 2 | 10.59 | 2115900 | 20.0 |
| 2,4-Dimethylstyrene | 9.99 | 9.5 | ng/ul | 1006060 | 2 | 10.59 | 2115900 | 20.0 |
| Phenol, 3,5-dimet... | 10.07 | 4.9 | ng/ul | 520368 | 2 | 10.59 | 2115900 | 20.0 |
| Phenol, 3-ethyl-5... | 11.42 | 3.7 | ng/ul | 393730 | 2 | 10.59 | 2115900 | 20.0 |
| Phenol, 2,4,5-tri... | 11.61 | 2.0 | ng/ul | 212207 | 2 | 10.59 | 2115900 | 20.0 |
| Phenol, p-tert-bu... | 11.93 | 7.2 | ng/ul | 764076 | 2 | 10.59 | 2115900 | 20.0 |
| Naphthalene, 1-me... | 12.47 | 6.3 | ng/ul | 663003 | 2 | 10.59 | 2115900 | 20.0 |
| Phenol, 4-(1,1-di... | 13.27 | 3.9 | ng/ul | 547992 | 3 | 14.43 | 2838590 | 20.0 |
| Phenol, 3,4-dichl... | 13.45 | 3.5 | ng/ul | 492597 | 3 | 14.43 | 2838590 | 20.0 |
| (DEL) Alkane: Cyc... | 21.06 | 7.6 | ng/ul | 859472 | 5 | 21.35 | 2271550 | 20.0 |