LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102919\
Data File : BM023508.D
Acq On : 31 Oct 2019 07:26
Operator : JU
Sample : K5487-17
Misc :
ALS Vial : 74 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEJL2

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-BM102319MA.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 | 3.481 | 80 | 84 | 91 | rVB | 401024 | 491592 | 0.77% | 0.180% |
| 2 | 3.693 | 117 | 120 | 128 | rVB | 200962 | 264845 | 0.41% | 0.097% |
| 3 | 3.863 | 143 | 149 | 165 | rVB2 | 41094912 | 64210901 | 100.00% | 23.550% |
| 4 | 4.963 | 330 | 336 | 347 | rVB | 2182078 | 3263451 | 5.08% | 1.197% |
| 5 | 5.157 | 363 | 369 | 379 | rVB | 9449866 | 13548790 | 21.10% | 4.969% |
| 6 | 5.287 | 385 | 391 | 402 | rBV | 13414469 | 25202062 | 39.25% | 9.243% |
| 7 | 5.651 | 446 | 453 | 465 | rVB | 4991947 | 7477814 | 11.65% | 2.743% |
| 8 | 6.122 | 526 | 533 | 544 | rVB | 2111740 | 3195390 | 4.98% | 1.172% |
| 9 | 6.310 | 560 | 565 | 572 | rVB | 221199 | 352880 | 0.55% | 0.129% |
| 10 | 6.610 | 608 | 616 | 620 | rBV | 530581 | 869243 | 1.35% | 0.319% |
| 11 | 6.716 | 628 | 634 | 639 | rBV | 1112623 | 1625946 | 2.53% | 0.596% |
| 12 | 6.787 | 639 | 646 | 653 | rVV5 | 801758 | 2521962 | 3.93% | 0.925% |
| 13 | 6.851 | 653 | 657 | 662 | rVV | 699955 | 1097349 | 1.71% | 0.402% |
| 14 | 6.904 | 662 | 666 | 670 | rVV2 | 249121 | 372772 | 0.58% | 0.137% |
| 15 | 6.957 | 670 | 675 | 680 | rVV | 939026 | 1484236 | 2.31% | 0.544% |
| 16 | 7.016 | 680 | 685 | 689 | rVV | 643357 | 1043499 | 1.63% | 0.383% |
| 17 | 7.086 | 693 | 697 | 703 | rVV | 775959 | 1222084 | 1.90% | 0.448% |
| 18 | 7.151 | 703 | 708 | 717 | rVV | 1196891 | 2021325 | 3.15% | 0.741% |
| 19 | 7.269 | 717 | 728 | 735 | rVV2 | 3013067 | 5368620 | 8.36% | 1.969% |
| 20 | 7.334 | 735 | 739 | 747 | rVB | 341199 | 510191 | 0.79% | 0.187% |
| 21 | 7.616 | 781 | 787 | 791 | rBV | 1650201 | 2742220 | 4.27% | 1.006% |
| 22 | 7.734 | 801 | 807 | 816 | rVB | 801069 | 1356187 | 2.11% | 0.497% |
| 23 | 7.828 | 818 | 823 | 835 | rVB | 357502 | 596993 | 0.93% | 0.219% |
| 24 | 7.963 | 835 | 846 | 854 | rBV2 | 512420 | 1461565 | 2.28% | 0.536% |
| 25 | 8.045 | 854 | 860 | 866 | rVV | 1839589 | 3028450 | 4.72% | 1.111% |
| 26 | 8.110 | 867 | 871 | 876 | rVB2 | 124814 | 214626 | 0.33% | 0.079% |
| 27 | 8.175 | 876 | 882 | 886 | rBV2 | 175775 | 296608 | 0.46% | 0.109% |
| 28 | 8.239 | 887 | 893 | 902 | rBV | 2406636 | 3963852 | 6.17% | 1.454% |
| 29 | 8.322 | 902 | 907 | 913 | rVV | 994643 | 1604309 | 2.50% | 0.588% |
| 30 | 8.386 | 913 | 918 | 932 | rVB3 | 494659 | 1233304 | 1.92% | 0.452% |
| 31 | 8.622 | 953 | 958 | 965 | rVB3 | 129459 | 243979 | 0.38% | 0.089% |
| 32 | 8.716 | 965 | 974 | 977 | rBV | 236167 | 399276 | 0.62% | 0.146% |
| 33 | 8.763 | 977 | 982 | 987 | rVB | 1107756 | 1720461 | 2.68% | 0.631% |
| 34 | 8.939 | 1003 | 1012 | 1021 | rVB | 1232507 | 2138834 | 3.33% | 0.784% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102919\
Data File : BM023508.D
Acq On : 31 Oct 2019 07:26
Operator : JU
Sample : K5487-17
Misc :
ALS Vial : 74 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEJL2

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-BM102319MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 9.039 | 1022 | 1029 | 1040 | rVB8 | 127542 | 369735 | 0.58% | 0.136% |
| 36 | 9.239 | 1056 | 1063 | 1068 | rVB | 157903 | 283702 | 0.44% | 0.104% |
| 37 | 9.298 | 1068 | 1073 | 1081 | rBV | 160481 | 314704 | 0.49% | 0.115% |
| 38 | 9.410 | 1081 | 1092 | 1098 | rBV3 | 241020 | 433060 | 0.67% | 0.159% |
| 39 | 9.480 | 1098 | 1104 | 1111 | rBV | 998970 | 1649801 | 2.57% | 0.605% |
| 40 | 9.580 | 1115 | 1121 | 1125 | rVV3 | 133558 | 257718 | 0.40% | 0.095% |
| 41 | 9.651 | 1129 | 1133 | 1138 | rVB | 264542 | 390187 | 0.61% | 0.143% |
| 42 | 9.757 | 1145 | 1151 | 1156 | rBV2 | 189642 | 479585 | 0.75% | 0.176% |
| 43 | 9.816 | 1156 | 1161 | 1166 | rVV4 | 563456 | 1134672 | 1.77% | 0.416% |
| 44 | 9.886 | 1170 | 1173 | 1181 | rVV3 | 224519 | 376038 | 0.59% | 0.138% |
| 45 | 10.022 | 1185 | 1196 | 1206 | rVB2 | 1596019 | 3113307 | 4.85% | 1.142% |
| 46 | 10.275 | 1234 | 1239 | 1244 | rBV | 178768 | 278954 | 0.43% | 0.102% |
| 47 | 10.392 | 1252 | 1259 | 1264 | rVV | 2306640 | 3843379 | 5.99% | 1.410% |
| 48 | 10.439 | 1264 | 1267 | 1276 | rVV | 376983 | 727120 | 1.13% | 0.267% |
| 49 | 10.527 | 1276 | 1282 | 1295 | rVB | 648364 | 1278579 | 1.99% | 0.469% |
| 50 | 10.798 | 1323 | 1328 | 1336 | rVB4 | 198065 | 452644 | 0.70% | 0.166% |
| 51 | 10.986 | 1356 | 1360 | 1370 | rVB3 | 169833 | 352652 | 0.55% | 0.129% |
| 52 | 11.227 | 1393 | 1401 | 1406 | rVV6 | 165764 | 400573 | 0.62% | 0.147% |
| 53 | 11.386 | 1422 | 1428 | 1436 | rBV6 | 306004 | 853591 | 1.33% | 0.313% |
| 54 | 11.480 | 1438 | 1444 | 1456 | rVB | 715782 | 1520864 | 2.37% | 0.558% |
| 55 | 11.751 | 1481 | 1490 | 1497 | rBV | 1789227 | 3223982 | 5.02% | 1.182% |
| 56 | 11.969 | 1512 | 1527 | 1528 | rBV9 | 82228 | 211723 | 0.33% | 0.078% |
| 57 | 12.063 | 1538 | 1543 | 1549 | rVB2 | 181734 | 316033 | 0.49% | 0.116% |
| 58 | 12.263 | 1566 | 1577 | 1585 | rVV5 | 155949 | 579216 | 0.90% | 0.212% |
| 59 | 12.469 | 1606 | 1612 | 1616 | rVV | 116901 | 268640 | 0.42% | 0.099% |
| 60 | 12.516 | 1616 | 1620 | 1628 | rVB2 | 121491 | 259879 | 0.40% | 0.095% |
| 61 | 12.827 | 1667 | 1673 | 1680 | rBV4 | 98909 | 248167 | 0.39% | 0.091% |
| 62 | 13.180 | 1726 | 1733 | 1743 | rBV | 967373 | 1581593 | 2.46% | 0.580% |
| 63 | 13.680 | 1812 | 1818 | 1824 | rVV | 3205664 | 4847282 | 7.55% | 1.778% |
| 64 | 13.751 | 1828 | 1830 | 1837 | rVV | 350686 | 426591 | 0.66% | 0.156% |
| 65 | 13.951 | 1858 | 1864 | 1874 | rVB | 3455536 | 5008435 | 7.80% | 1.837% |
| 66 | 14.045 | 1874 | 1880 | 1892 | rVB | 290509 | 509831 | 0.79% | 0.187% |
| 67 | 14.262 | 1910 | 1917 | 1922 | rBV | 3813088 | 6032558 | 9.39% | 2.212% |
| 68 | 14.310 | 1922 | 1925 | 1932 | rVB | 687296 | 944397 | 1.47% | 0.346% |
| 69 | 14.404 | 1937 | 1941 | 1948 | rVB | 237537 | 353565 | 0.55% | 0.130% |
| 70 | 14.480 | 1948 | 1954 | 1960 | rBV | 514013 | 884334 | 1.38% | 0.324% |
| 71 | 14.992 | 2030 | 2041 | 2045 | rBV2 | 261117 | 519141 | 0.81% | 0.190% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102919\
Data File : BM023508.D
Acq On : 31 Oct 2019 07:26
Operator : JU
Sample : K5487-17
Misc :
ALS Vial : 74 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEJL2

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-BM102319MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 15.098 | 2056 | 2059 | 2064 | rVV | 263042 | 323495 | 0.50% | 0.119% |
| 73 | 15.262 | 2079 | 2087 | 2100 | rBV2 | 4393426 | 9725917 | 15.15% | 3.567% |
| 74 | 15.386 | 2102 | 2108 | 2114 | rBV | 1223073 | 1709778 | 2.66% | 0.627% |
| 75 | 15.515 | 2124 | 2130 | 2136 | rVB4 | 227637 | 506010 | 0.79% | 0.186% |
| 76 | 15.692 | 2155 | 2160 | 2169 | rVV2 | 360525 | 607158 | 0.95% | 0.223% |
| 77 | 15.774 | 2170 | 2174 | 2193 | rVB2 | 355550 | 747367 | 1.16% | 0.274% |
| 78 | 15.945 | 2197 | 2203 | 2208 | rBV | 429101 | 653595 | 1.02% | 0.240% |
| 79 | 16.321 | 2264 | 2267 | 2275 | rVV6 | 165812 | 259992 | 0.40% | 0.095% |
| 80 | 16.404 | 2277 | 2281 | 2290 | rVB3 | 129972 | 259327 | 0.40% | 0.095% |
| 81 | 17.009 | 2375 | 2384 | 2394 | rBV | 4302204 | 6371700 | 9.92% | 2.337% |
| 82 | 17.109 | 2394 | 2401 | 2407 | rBV | 5165164 | 7346399 | 11.44% | 2.694% |
| 83 | 17.927 | 2536 | 2540 | 2546 | rVV2 | 194927 | 280348 | 0.44% | 0.103% |
| 84 | 18.050 | 2556 | 2561 | 2569 | rBV | 1189324 | 1663785 | 2.59% | 0.610% |
| 85 | 18.156 | 2573 | 2579 | 2581 | rBV | 1227068 | 1815377 | 2.83% | 0.666% |
| 86 | 18.186 | 2581 | 2584 | 2585 | rVV | 1070987 | 1320704 | 2.06% | 0.484% |
| 87 | 18.203 | 2585 | 2587 | 2596 | rVB | 1165117 | 1435368 | 2.24% | 0.526% |
| 88 | 18.486 | 2629 | 2635 | 2641 | rBV4 | 114784 | 244442 | 0.38% | 0.090% |
| 89 | 18.745 | 2674 | 2679 | 2684 | rBV | 483494 | 624907 | 0.97% | 0.229% |
| 90 | 18.886 | 2699 | 2703 | 2707 | rVV | 345942 | 491994 | 0.77% | 0.180% |
| 91 | 19.133 | 2741 | 2745 | 2754 | rVB3 | 134173 | 260271 | 0.41% | 0.095% |
| 92 | 19.409 | 2786 | 2792 | 2798 | rVB | 6351488 | 8362292 | 13.02% | 3.067% |
| 93 | 19.462 | 2798 | 2801 | 2808 | rVB | 527141 | 686575 | 1.07% | 0.252% |
| 94 | 19.921 | 2875 | 2879 | 2883 | rBV3 | 218557 | 352660 | 0.55% | 0.129% |
| 95 | 20.468 | 2969 | 2972 | 2976 | rBV3 | 171610 | 211831 | 0.33% | 0.078% |
| 96 | 20.950 | 3051 | 3054 | 3059 | rVB3 | 189898 | 232191 | 0.36% | 0.085% |
| 97 | 21.203 | 3092 | 3097 | 3105 | rBV | 5510569 | 7073498 | 11.02% | 2.594% |
| 98 | 21.333 | 3115 | 3119 | 3126 | rBV | 702775 | 1088886 | 1.70% | 0.399% |
| 99 | 23.262 | 3440 | 3447 | 3454 | rBV | 4870152 | 8873083 | 13.82% | 3.254% |
| 100 | 23.397 | 3464 | 3470 | 3481 | rVB | 3869435 | 7259112 | 11.31% | 2.662% |

Sum of corrected areas: 272659910

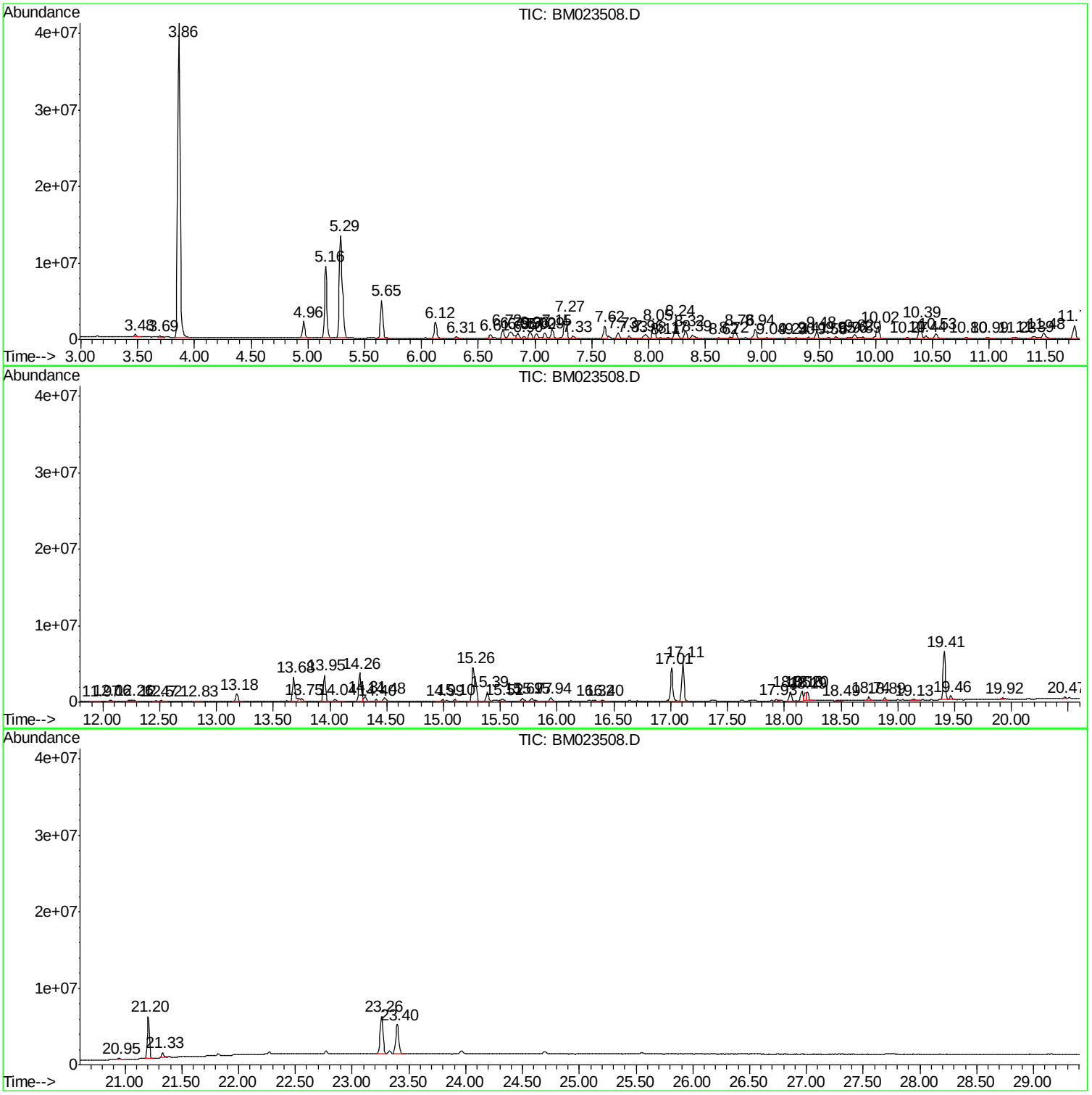
LSC Report - Integrated Chromatogram

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102919\
Data File : BM023508.D
Acq On : 31 Oct 2019 07:26
Operator : JU
Sample : K5487-17
Misc :
ALS Vial : 74 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEJL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102919\
Data File : BM023508.D
Acq On : 31 Oct 2019 07:26
Operator : JU
Sample : K5487-17
Misc :
ALS Vial : 74 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEJL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

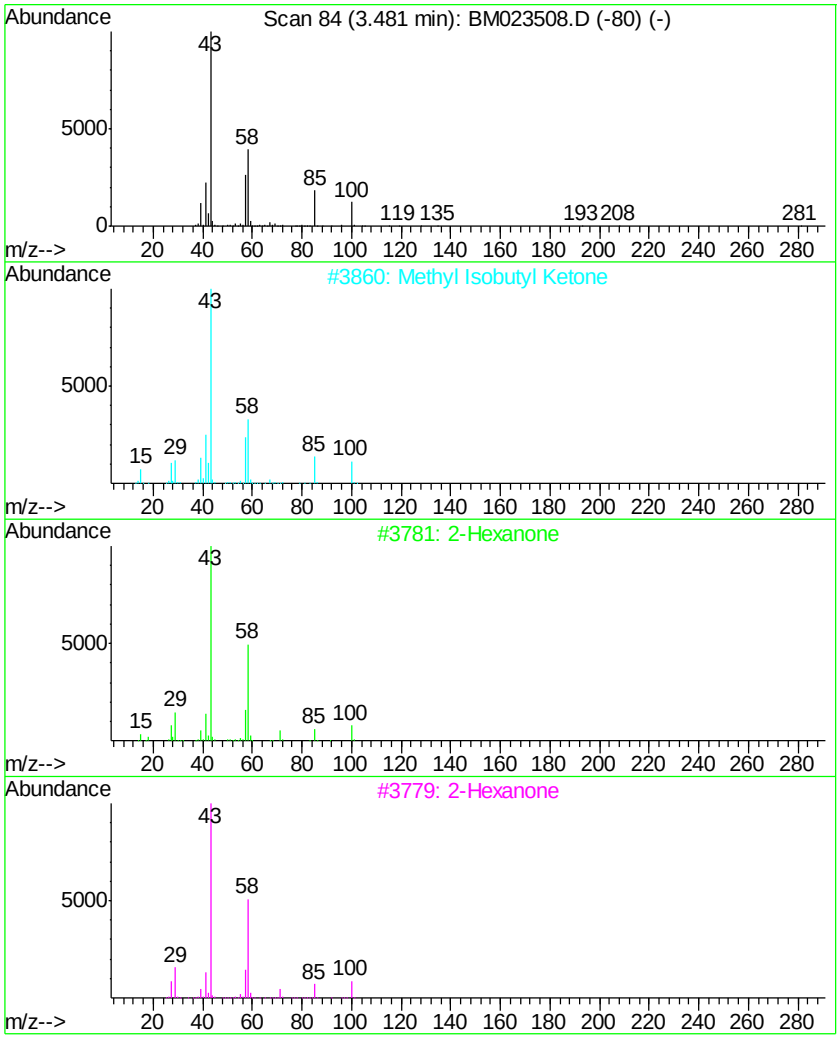
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

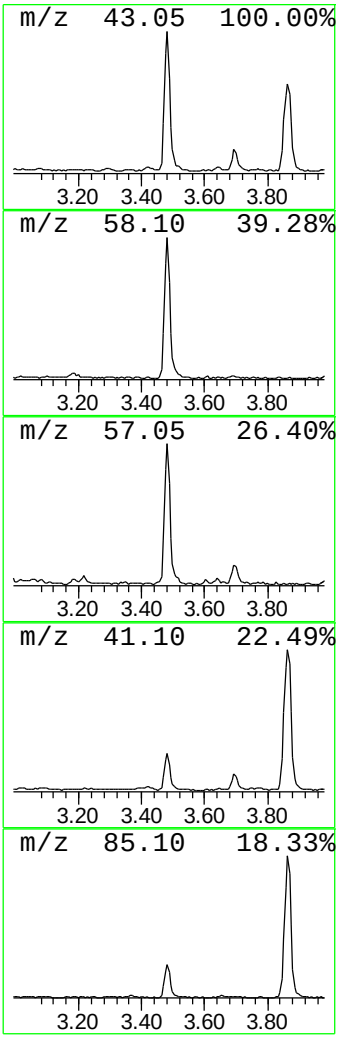
**********

Peak Number 1 Methyl Isobutyl Ketone Concentration Rank 24

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.48 | 3.59 ng/ul | 491592 | 1,4-Dichlorobenzene-d4 | 7.62 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Methyl Isobutyl Ketone | 100 | C6H12O | 000108-10-1 | 86 |
| 2 | 2-Hexanone | 100 | C6H12O | 000591-78-6 | 78 |
| 3 | 2-Hexanone | 100 | C6H12O | 000591-78-6 | 78 |
| 4 | 2-Hexanone | 100 | C6H12O | 000591-78-6 | 78 |
| 5 | 2-Hexanone | 100 | C6H12O | 000591-78-6 | 59 |



# Library Search Compound Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102919\
Data File : BM023508.D
Acq On : 31 Oct 2019 07:26
Operator : JU
Sample : K5487-17
Misc :
ALS Vial : 74 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEJL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

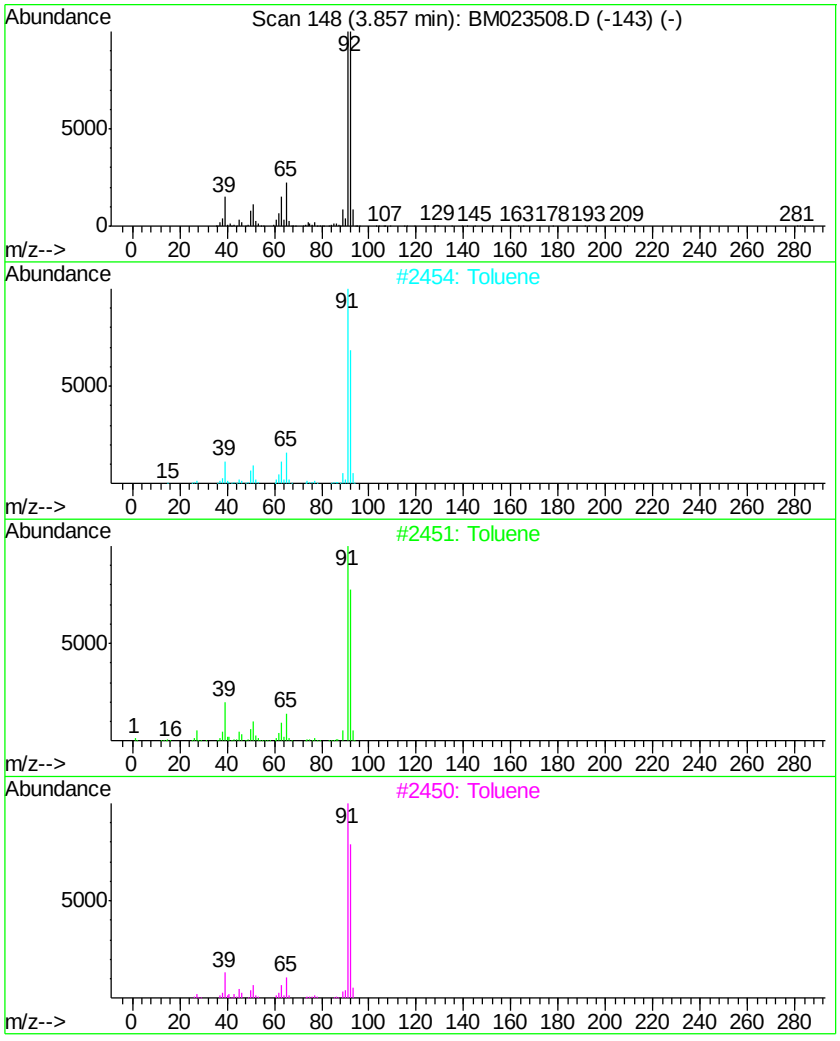
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

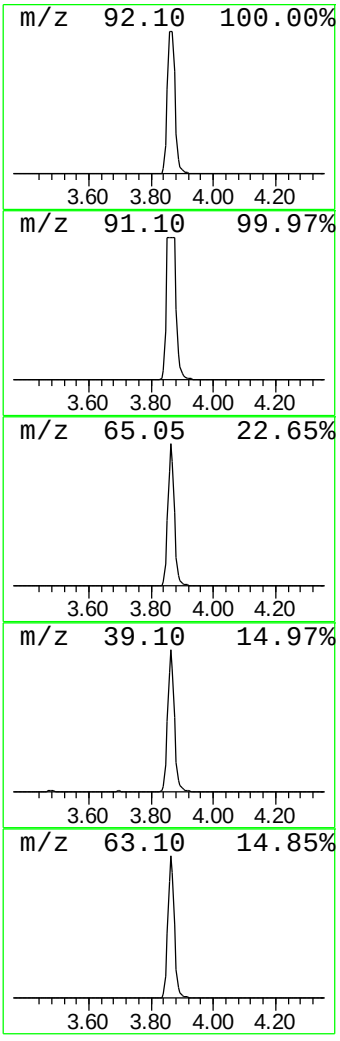
**********

Peak Number 2 Toluene Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.86 | 468.31 ng/ul | 64210900 | 1,4-Dichlorobenzene-d4 | 7.62 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Toluene | 92 | C7H8 | 000108-88-3 | 91 |
| 2 | Toluene | 92 | C7H8 | 000108-88-3 | 91 |
| 3 | Toluene | 92 | C7H8 | 000108-88-3 | 91 |
| 4 | Toluene | 92 | C7H8 | 000108-88-3 | 87 |
| 5 | Toluene | 92 | C7H8 | 000108-88-3 | 81 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102919\
Data File : BM023508.D
Acq On : 31 Oct 2019 07:26
Operator : JU
Sample : K5487-17
Misc :
ALS Vial : 74 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEJL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

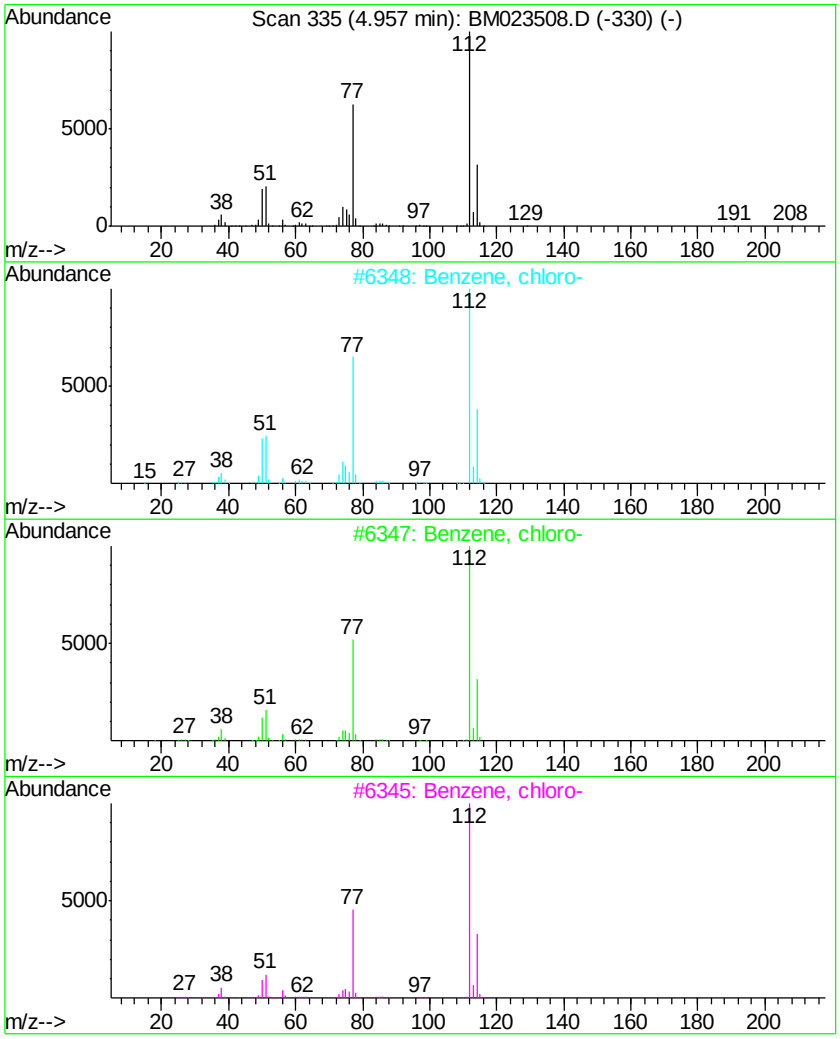
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

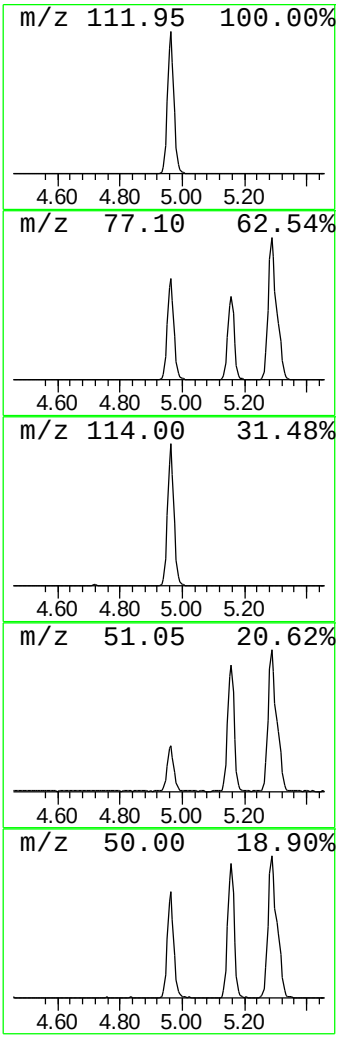
**********

Peak Number 3 Benzene, chloro- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.96 | 23.80 ng/ul | 3263450 | 1,4-Dichlorobenzene-d4 | 7.62 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, chloro- | 112 | C6H5Cl | 000108-90-7 | 96 |
| 2 | Benzene, chloro- | 112 | C6H5Cl | 000108-90-7 | 95 |
| 3 | Benzene, chloro- | 112 | C6H5Cl | 000108-90-7 | 94 |
| 4 | Benzene, chloro- | 112 | C6H5Cl | 000108-90-7 | 91 |
| 5 | Phenol, 3-fluoro- | 112 | C6H5FO | 000372-20-3 | 17 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102919\
Data File : BM023508.D
Acq On : 31 Oct 2019 07:26
Operator : JU
Sample : K5487-17
Misc :
ALS Vial : 74 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEJL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

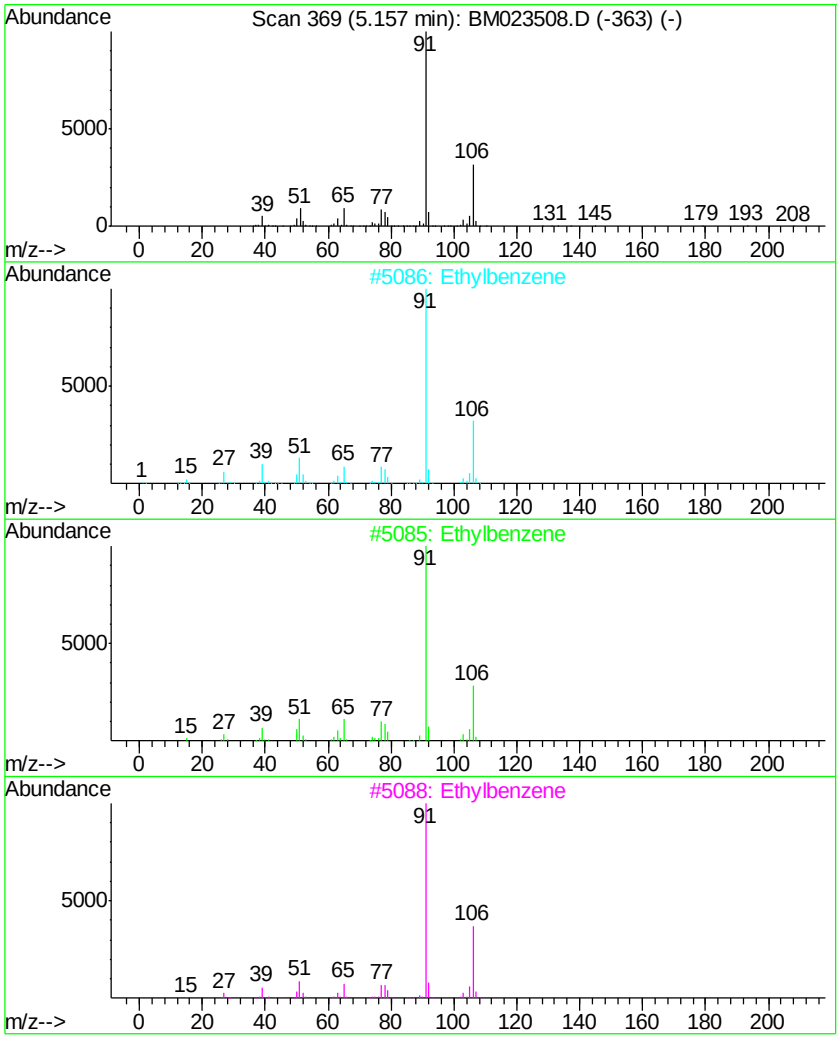
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

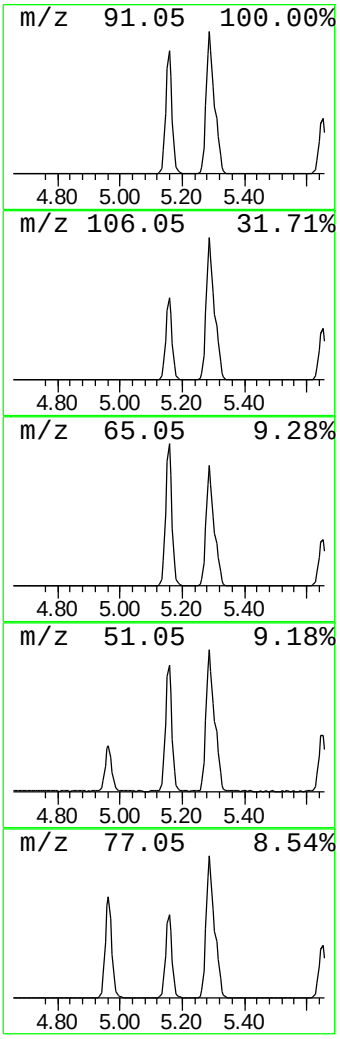
**********

Peak Number 4 Ethylbenzene Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.16 | 98.82 ng/ul | 13548800 | 1,4-Dichlorobenzene-d4 | 7.62 |

| 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 | Ethylbenzene | 106 | C8H10 | 000100-41-4 | 87 |
| 5 | o-Xylene | 106 | C8H10 | 000095-47-6 | 76 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102919\
Data File : BM023508.D
Acq On : 31 Oct 2019 07:26
Operator : JU
Sample : K5487-17
Misc :
ALS Vial : 74 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEJL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

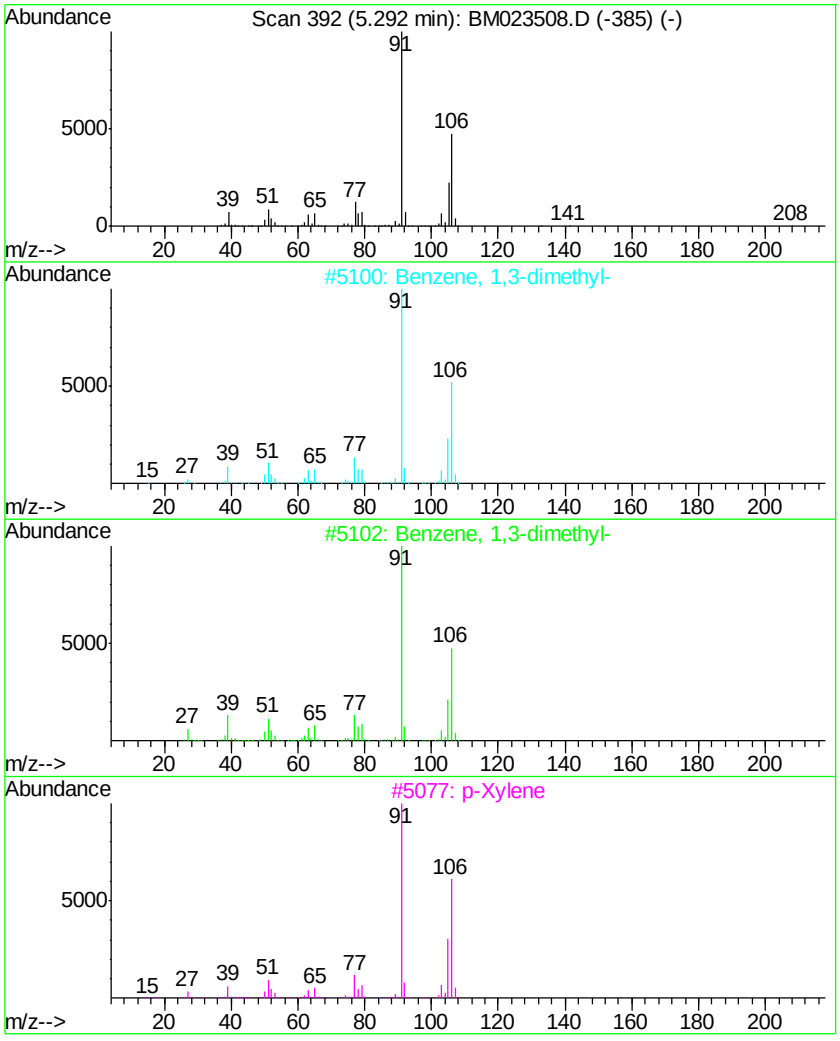
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

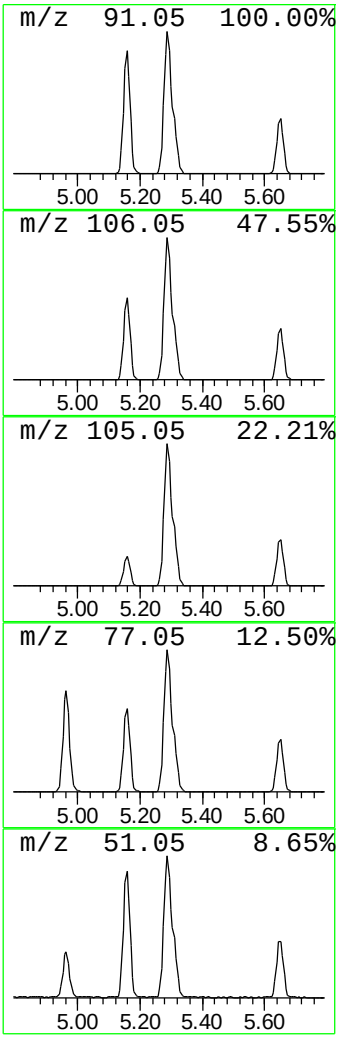
**********

Peak Number 5 Benzene, 1,3-dimethyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.29 | 183.81 ng/ul | 25202100 | 1,4-Dichlorobenzene-d4 | 7.62 |

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



# Library Search Compound Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102919\
Data File : BM023508.D
Acq On : 31 Oct 2019 07:26
Operator : JU
Sample : K5487-17
Misc :
ALS Vial : 74 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEJL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

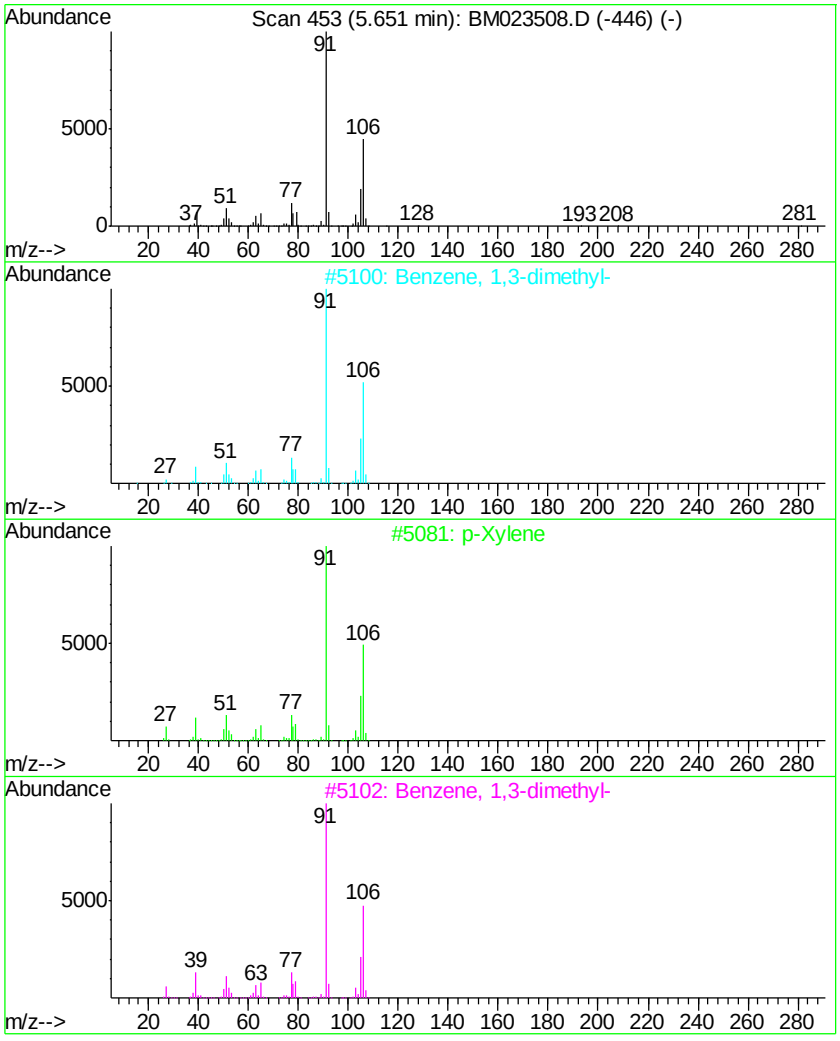
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

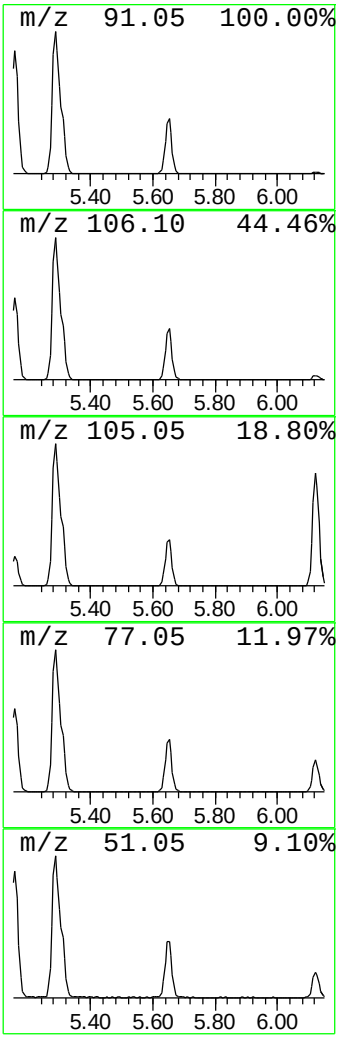
**********

Peak Number 6 p-Xylene Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.65 | 54.54 ng/ul | 7477810 | 1,4-Dichlorobenzene-d4 | 7.62 |

| 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 | Benzene, 1,3-dimethyl- | 106 | C8H10 | 000108-38-3 | 97 |
| 4 | o-Xylene | 106 | C8H10 | 000095-47-6 | 97 |
| 5 | p-Xylene | 106 | C8H10 | 000106-42-3 | 95 |



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Data File : BM023508.D
Acq On : 31 Oct 2019 07:26
Operator : JU
Sample : K5487-17
Misc :
ALS Vial : 74 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEJL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

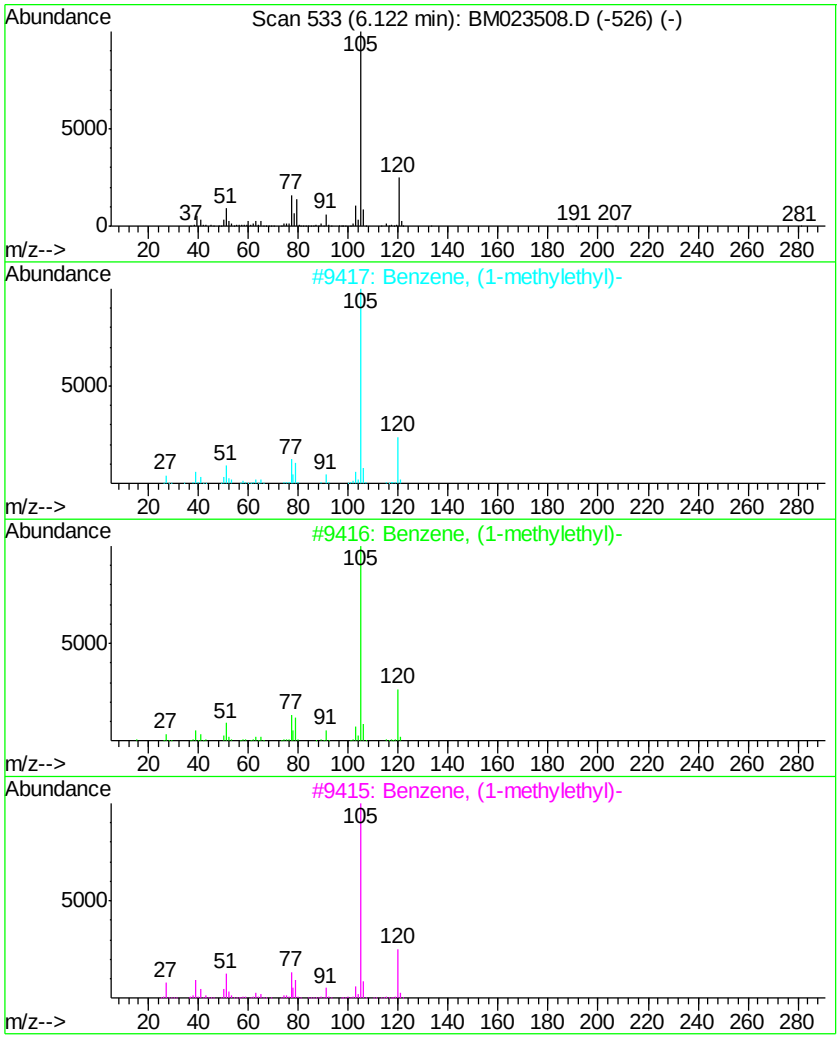
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

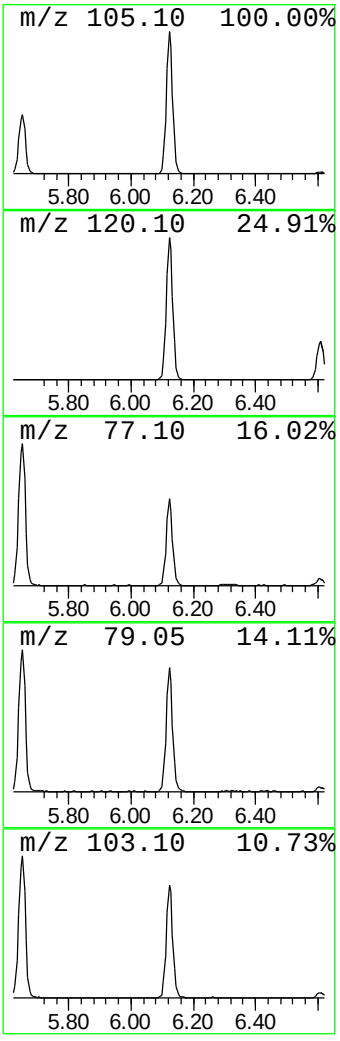
**********

Peak Number 7 Benzene, (1-methylethyl)- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.12 | 23.31 ng/ul | 3195390 | 1,4-Dichlorobenzene-d4 | 7.62 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, (1-methylethyl)- | 120 | C9H12 | 000098-82-8 | 94 |
| 2 | Benzene, (1-methylethyl)- | 120 | C9H12 | 000098-82-8 | 94 |
| 3 | Benzene, (1-methylethyl)- | 120 | C9H12 | 000098-82-8 | 91 |
| 4 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 91 |
| 5 | Benzene, (1-methylethyl)- | 120 | C9H12 | 000098-82-8 | 87 |



# Library Search Compound Report

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Data File : BM023508.D
Acq On : 31 Oct 2019 07:26
Operator : JU
Sample : K5487-17
Misc :
ALS Vial : 74 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEJL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

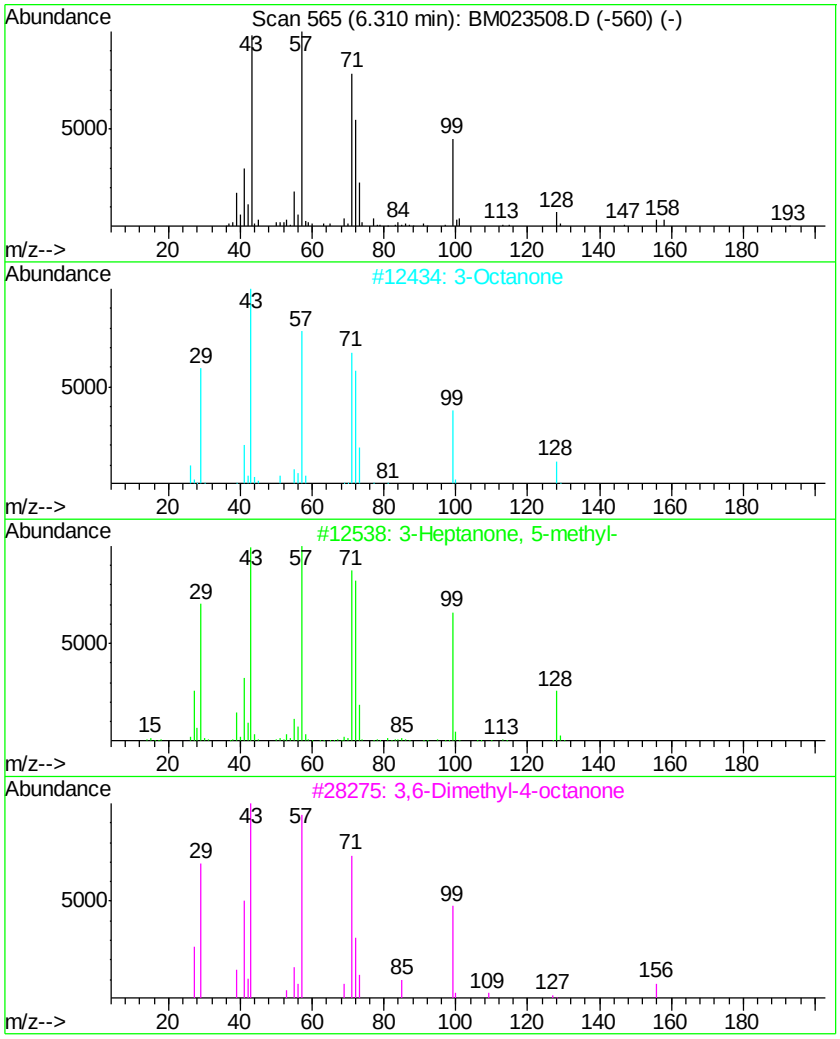
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

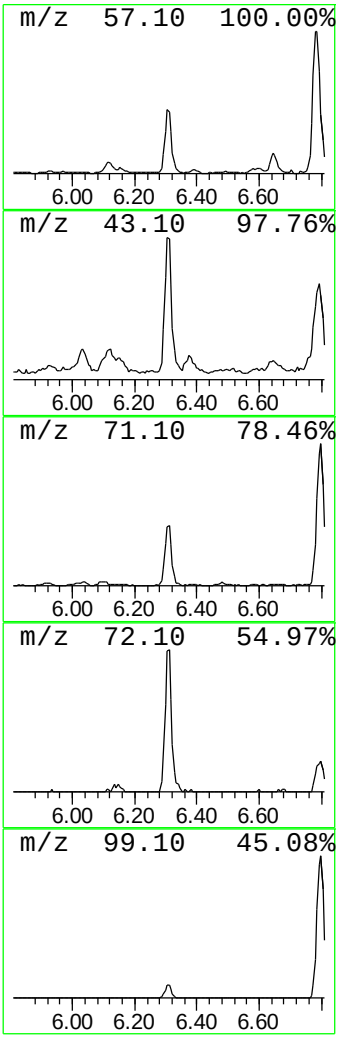
**********

Peak Number 8 3-Octanone Concentration Rank 28

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.31 | 2.57 ng/ul | 352880 | 1,4-Dichlorobenzene-d4 | 7.62 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Octanone | 128 | C8H16O | 000106-68-3 | 91 |
| 2 | 3-Heptanone, 5-methyl- | 128 | C8H16O | 000541-85-5 | 90 |
| 3 | 3,6-Dimethyl-4-octanone | 156 | C10H20O | 034645-03-9 | 64 |
| 4 | 3-Heptanone, 6-methyl- | 128 | C8H16O | 000624-42-0 | 58 |
| 5 | Allyl 2-ethyl butyrate | 156 | C9H16O2 | 007493-69-8 | 53 |



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Data File : BM023508.D
Acq On : 31 Oct 2019 07:26
Operator : JU
Sample : K5487-17
Misc :
ALS Vial : 74 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEJL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

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

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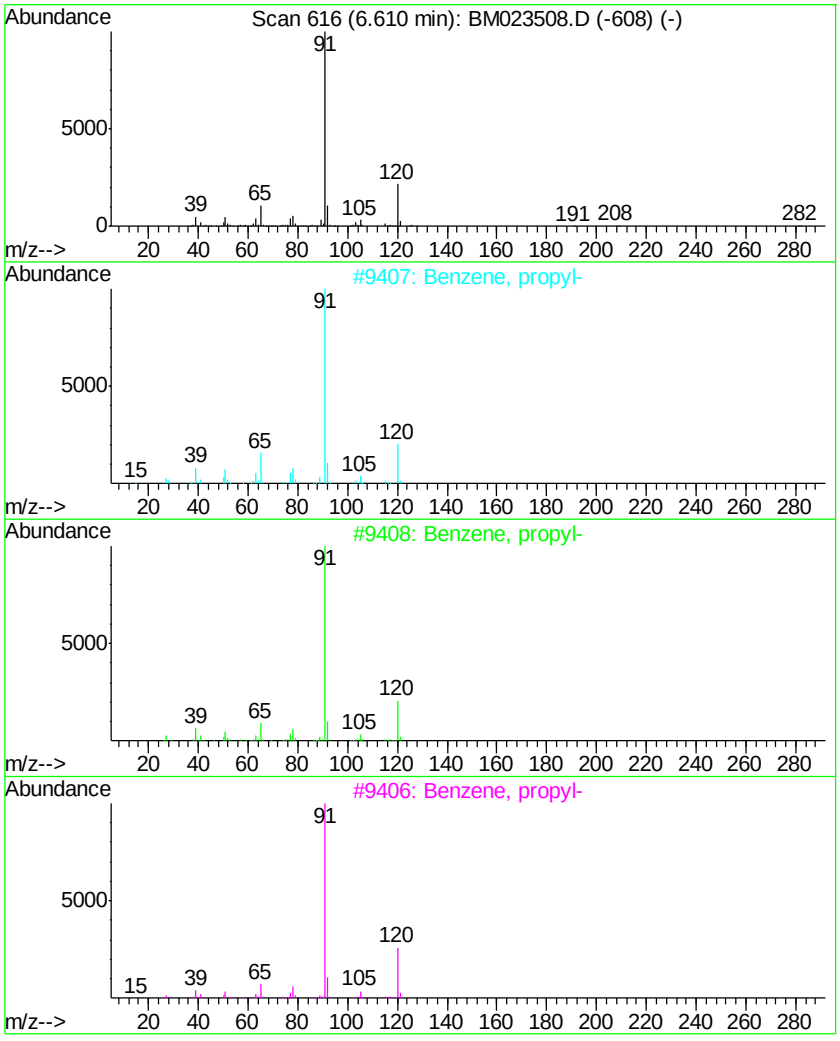
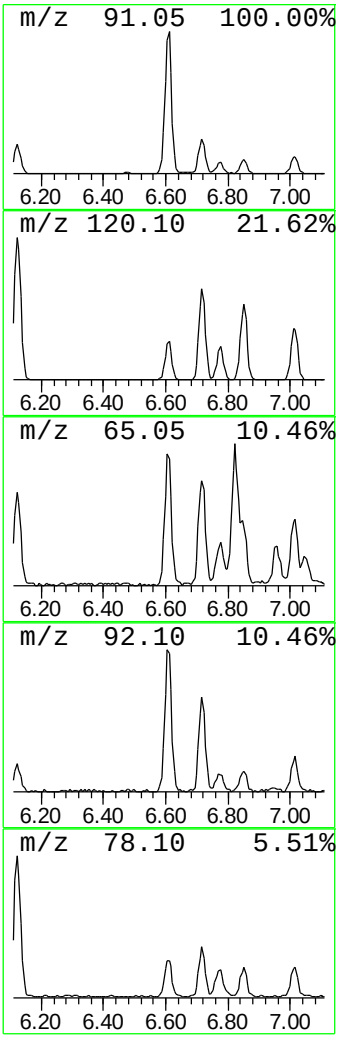
Peak Number 9 Benzene, propyl- Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.61 | 6.34 ng/ul | 869243 | 1,4-Dichlorobenzene-d4 | 7.62 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, propyl- | 120 | C9H12 | 000103-65-1 | 91 |
| 2 | Benzene, propyl- | 120 | C9H12 | 000103-65-1 | 90 |
| 3 | Benzene, propyl- | 120 | C9H12 | 000103-65-1 | 87 |
| 4 | Ethanol, 2-[(phenylmethyl)amino]- | 151 | C9H13NO | 000104-63-2 | 78 |
| 5 | N-Benzyl-2-phenethylamine | 211 | C15H17N | 003647-71-0 | 59 |



# Library Search Compound Report

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Data File : BM023508.D
Acq On : 31 Oct 2019 07:26
Operator : JU
Sample : K5487-17
Misc :
ALS Vial : 74 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEJL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

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

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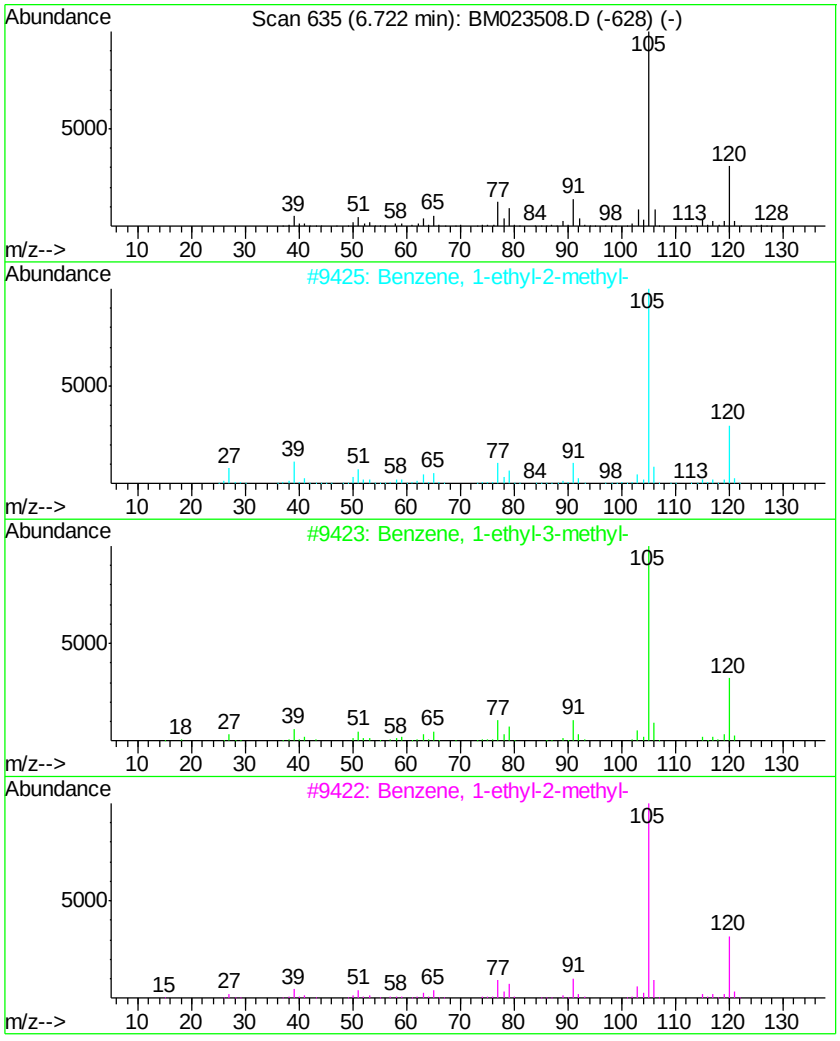
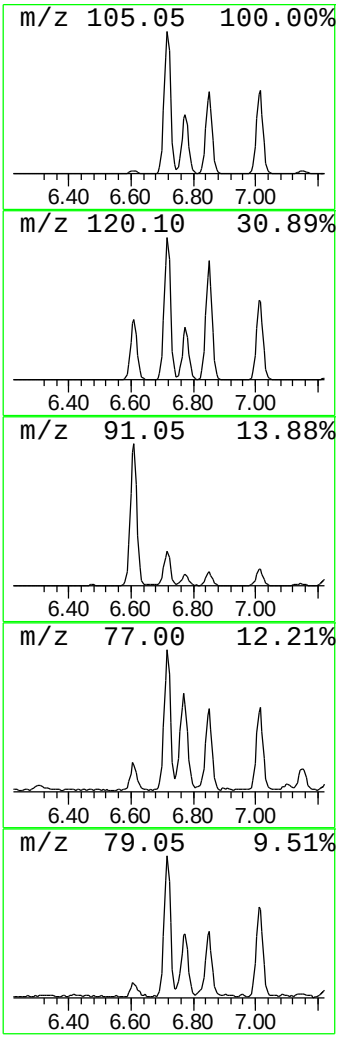
Peak Number 10 Benzene, 1-ethyl-2-methyl- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.72 | 11.86 ng/ul | 1625950 | 1,4-Dichlorobenzene-d4 | 7.62 |

| 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-3-methyl- | 120 | C9H12 | 000620-14-4 | 95 |
| 3 | Benzene, 1-ethyl-2-methyl- | 120 | C9H12 | 000611-14-3 | 95 |
| 4 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 94 |
| 5 | Benzene, 1-ethyl-4-methyl- | 120 | C9H12 | 000622-96-8 | 91 |



Library Search Compound Report

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Data File : BM023508.D
Acq On : 31 Oct 2019 07:26
Operator : JU
Sample : K5487-17
Misc :
ALS Vial : 74 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEJL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

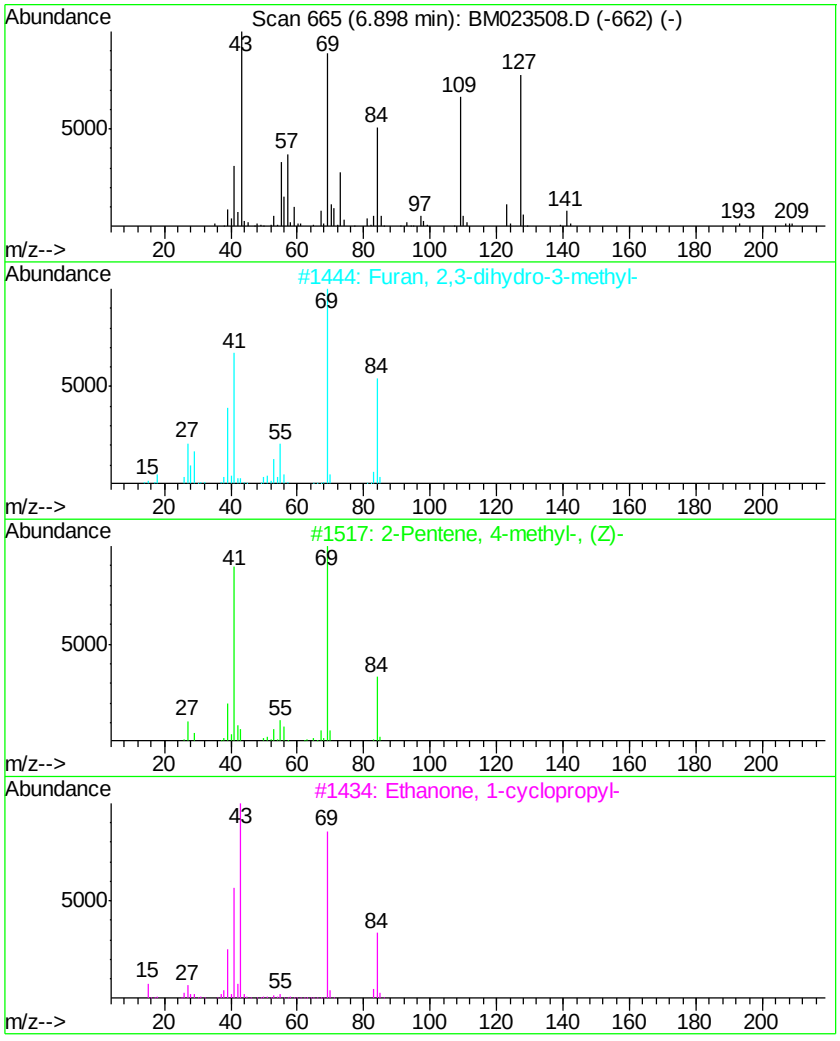
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

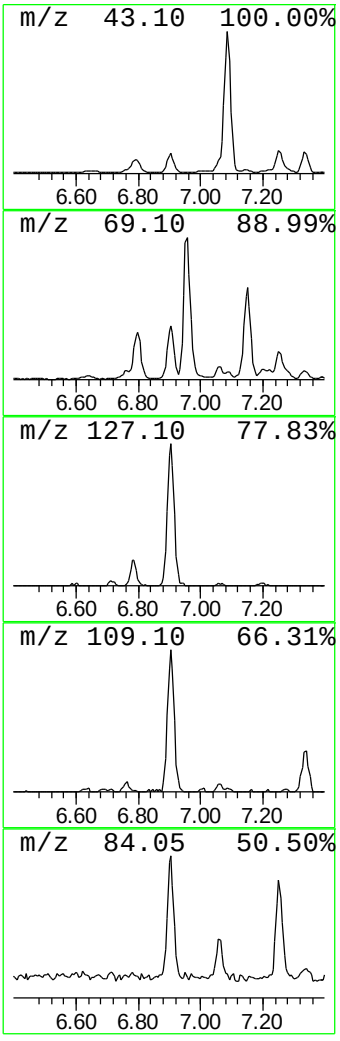
**********

Peak Number 11 unknown-01 Concentration Rank 27

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.90 | 2.72 ng/ul | 372772 | 1,4-Dichlorobenzene-d4 | 7.62 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Furan, 2,3-dihydro-3-methyl- | 84 | C5H8O | 001708-27-6 | 30 |
| 2 | 2-Pentene, 4-methyl-, (Z)- | 84 | C6H12 | 000691-38-3 | 27 |
| 3 | Ethanone, 1-cyclopropyl- | 84 | C5H8O | 000765-43-5 | 27 |
| 4 | 2,5-Pyrrolidinedione, 1-ethyl- | 127 | C6H9NO2 | 002314-78-5 | 27 |
| 5 | 1H-Pyrazole-4-carboxylic acid, 3... | 127 | C4H5N3O2 | 041680-34-6 | 27 |



Library Search Compound Report

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Data File : BM023508.D
Acq On : 31 Oct 2019 07:26
Operator : JU
Sample : K5487-17
Misc :
ALS Vial : 74 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEJL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

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

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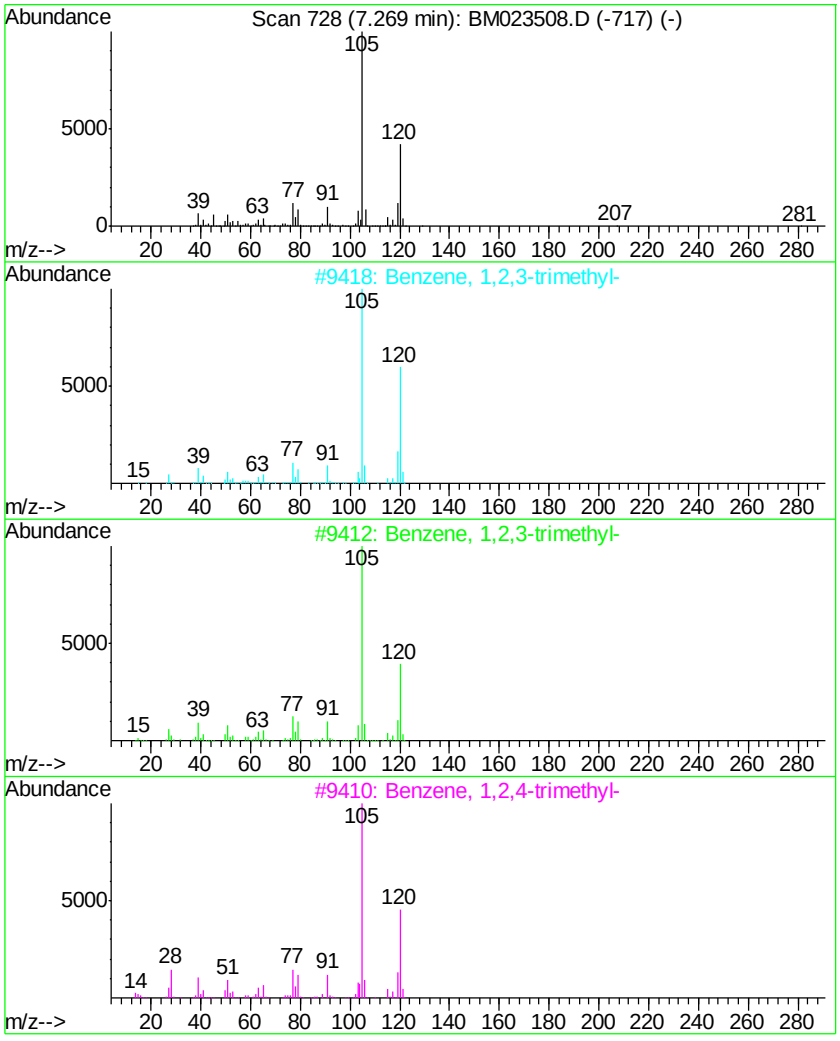
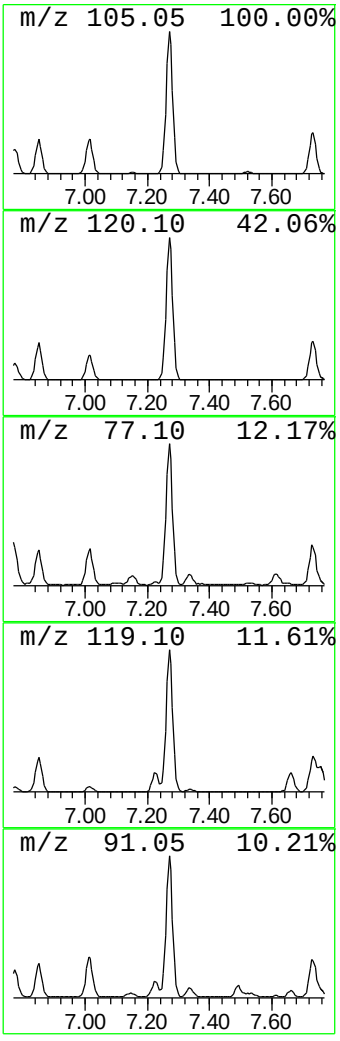
Peak Number 12 Benzene, 1,2,3-trimethyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.27 | 39.16 ng/ul | 5368620 | 1,4-Dichlorobenzene-d4 | 7.62 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 97 |
| 2 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 95 |
| 3 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 94 |
| 4 | Mesitylene | 120 | C9H12 | 000108-67-8 | 91 |
| 5 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 91 |



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Data File : BM023508.D
Acq On : 31 Oct 2019 07:26
Operator : JU
Sample : K5487-17
Misc :
ALS Vial : 74 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEJL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

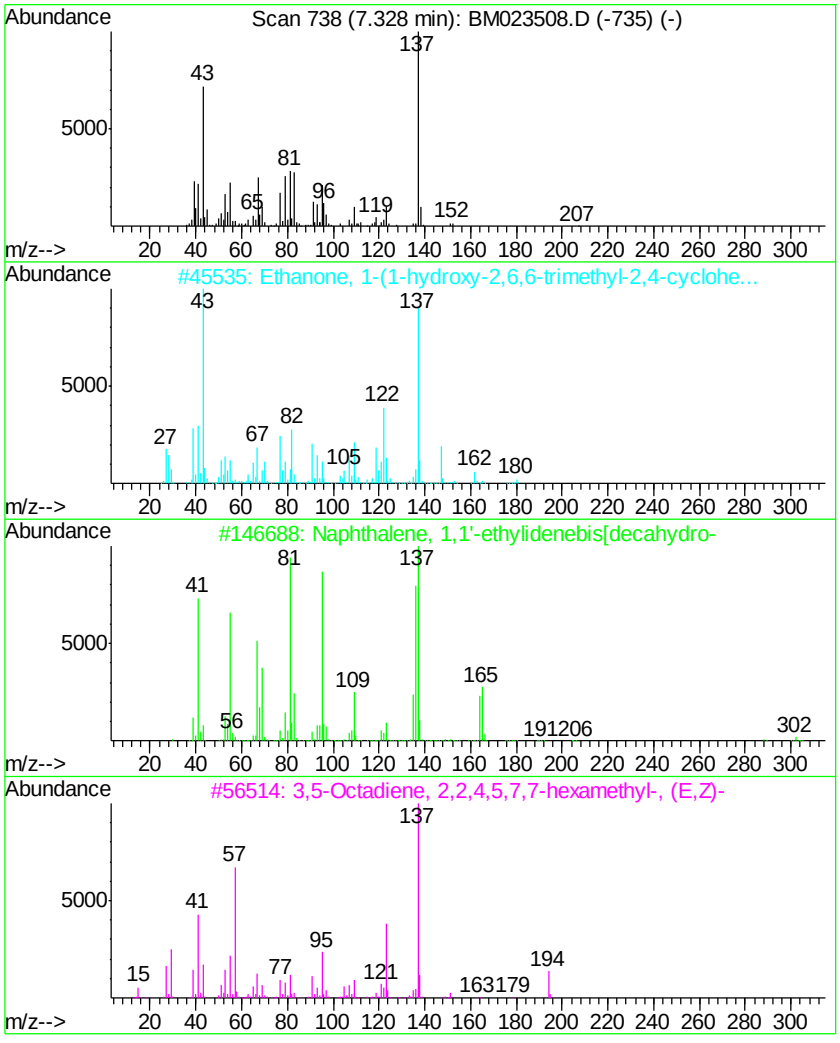
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

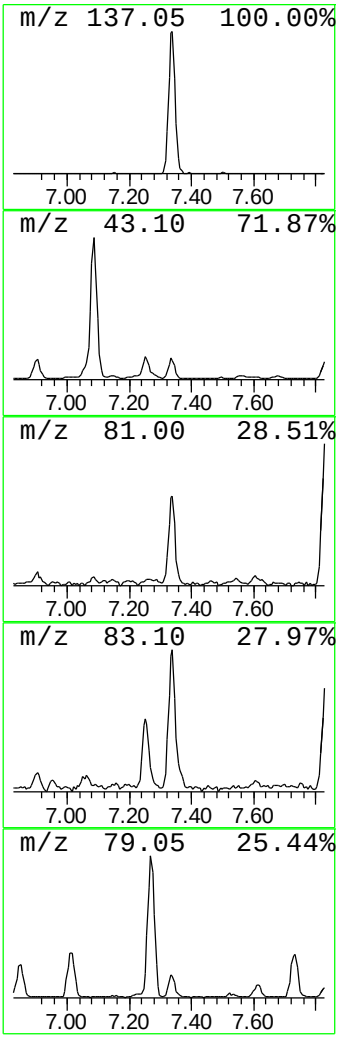
**********

Peak Number 13 unknown-02 Concentration Rank 23

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.33 | 3.72 ng/ul | 510191 | 1,4-Dichlorobenzene-d4 | 7.62 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethanone, 1-(1-hydroxy-2,6,6-tri... | 180 | C11H16O2 | 058254-18-5 | 43 |
| 2 | Naphthalene, 1,1'-ethylidenebis[... | 302 | C22H38 | 054934-70-2 | 42 |
| 3 | 3,5-Octadiene, 2,2,4,5,7,7-hexam... | 194 | C14H26 | 055712-52-2 | 40 |
| 4 | 2(1H)-Pyridinone, 1,4,6-trimethyl- | 137 | C8H11NO | 015031-89-7 | 38 |
| 5 | VII tropolone | 137 | C7H7NO2 | 007021-46-7 | 38 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102919\
Data File : BM023508.D
Acq On : 31 Oct 2019 07:26
Operator : JU
Sample : K5487-17
Misc :
ALS Vial : 74 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEJL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

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

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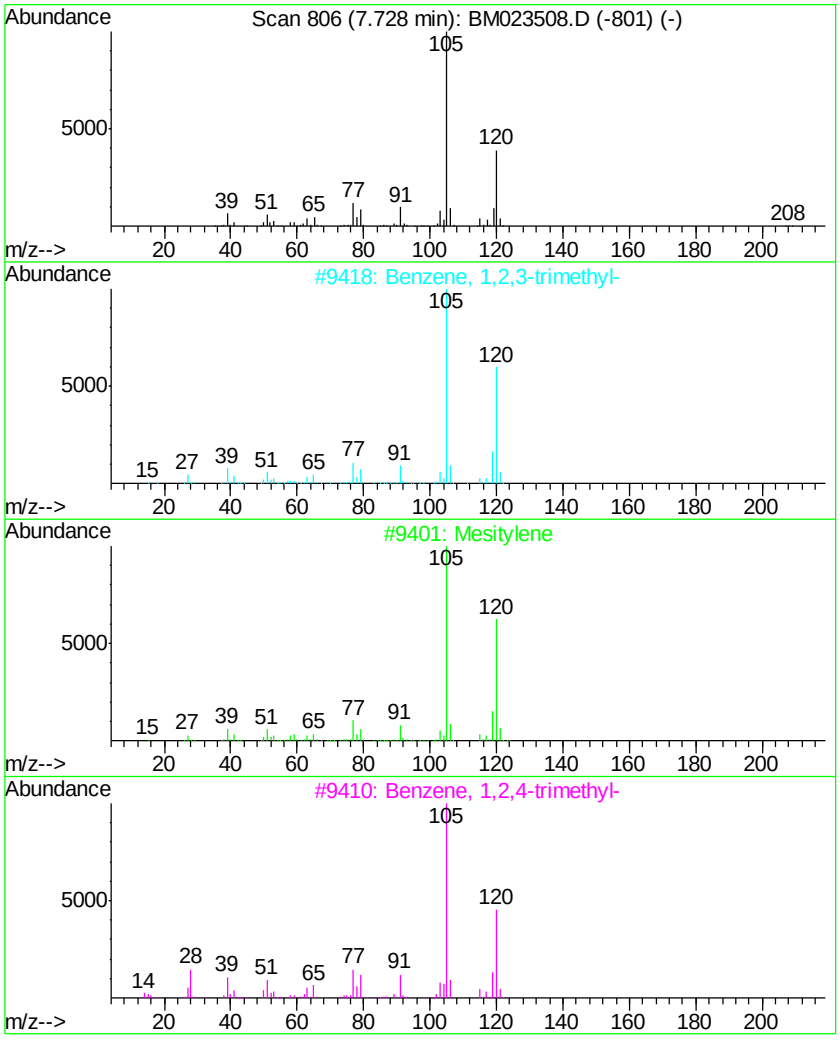
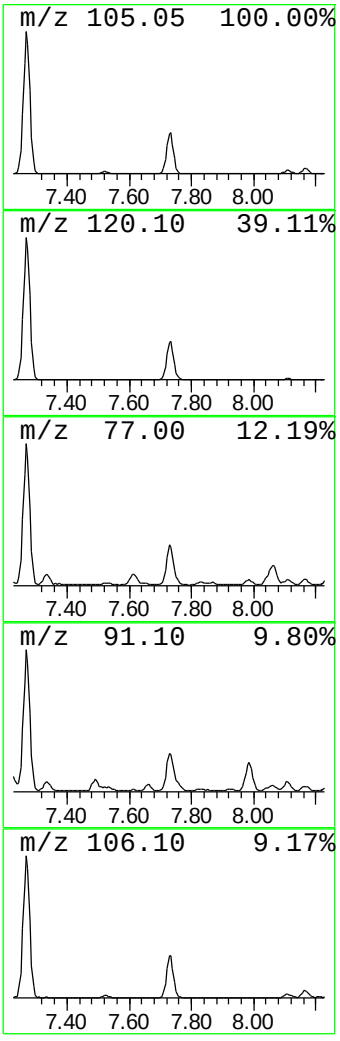
Peak Number 14 Mesitylene Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.73 | 9.89 ng/ul | 1356190 | 1,4-Dichlorobenzene-d4 | 7.62 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 95 |
| 2 | Mesitylene | 120 | C9H12 | 000108-67-8 | 94 |
| 3 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 94 |
| 4 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 94 |
| 5 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102919\
Data File : BM023508.D
Acq On : 31 Oct 2019 07:26
Operator : JU
Sample : K5487-17
Misc :
ALS Vial : 74 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEJL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

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

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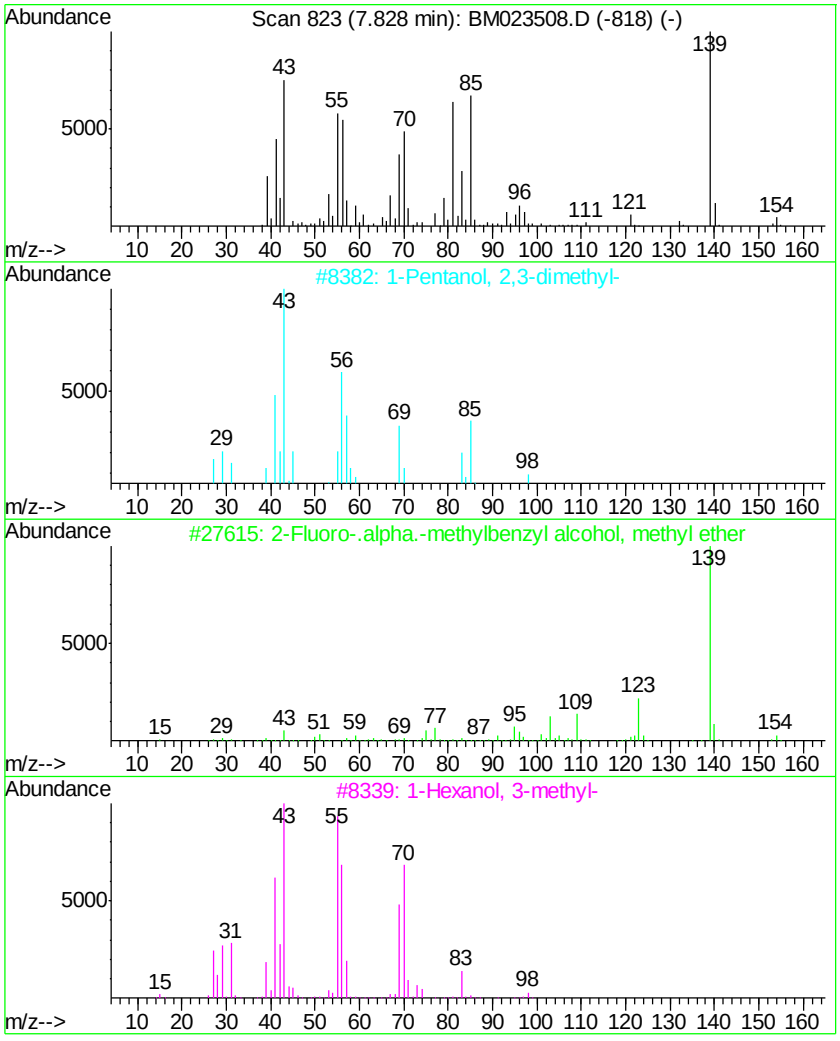
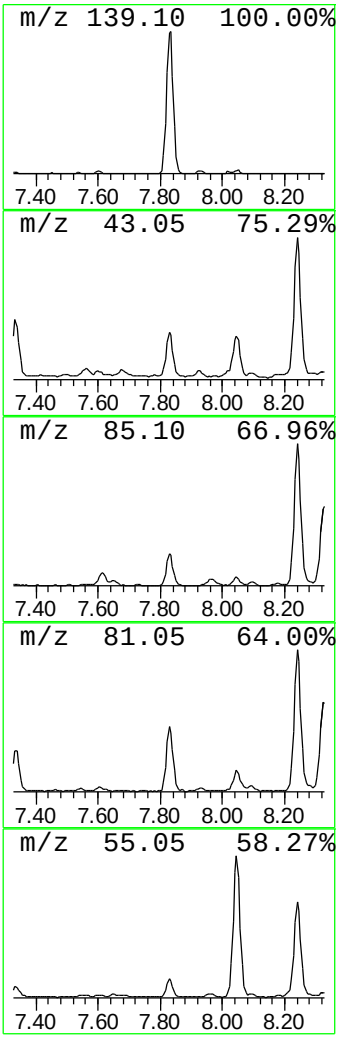
Peak Number 15 unknown-03 Concentration Rank 21

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.83 | 4.35 ng/ul | 596993 | 1,4-Dichlorobenzene-d4 | 7.62 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Pentanol, 2,3-dimethyl- | 116 | C7H16O | 010143-23-4 | 35 |
| 2 | 2-Fluoro-.alpha.-methylbenzyl al... | 154 | C9H11FO | 1000365-11-2 | 27 |
| 3 | 1-Hexanol, 3-methyl- | 116 | C7H16O | 013231-81-7 | 22 |
| 4 | Benzonitrile, 2,6-difluoro- | 139 | C7H3F2N | 001897-52-5 | 22 |
| 5 | Cuprizone | 278 | C14H22N4O2 | 000370-81-0 | 22 |



# Library Search Compound Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102919\
Data File : BM023508.D
Acq On : 31 Oct 2019 07:26
Operator : JU
Sample : K5487-17
Misc :
ALS Vial : 74 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEJL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

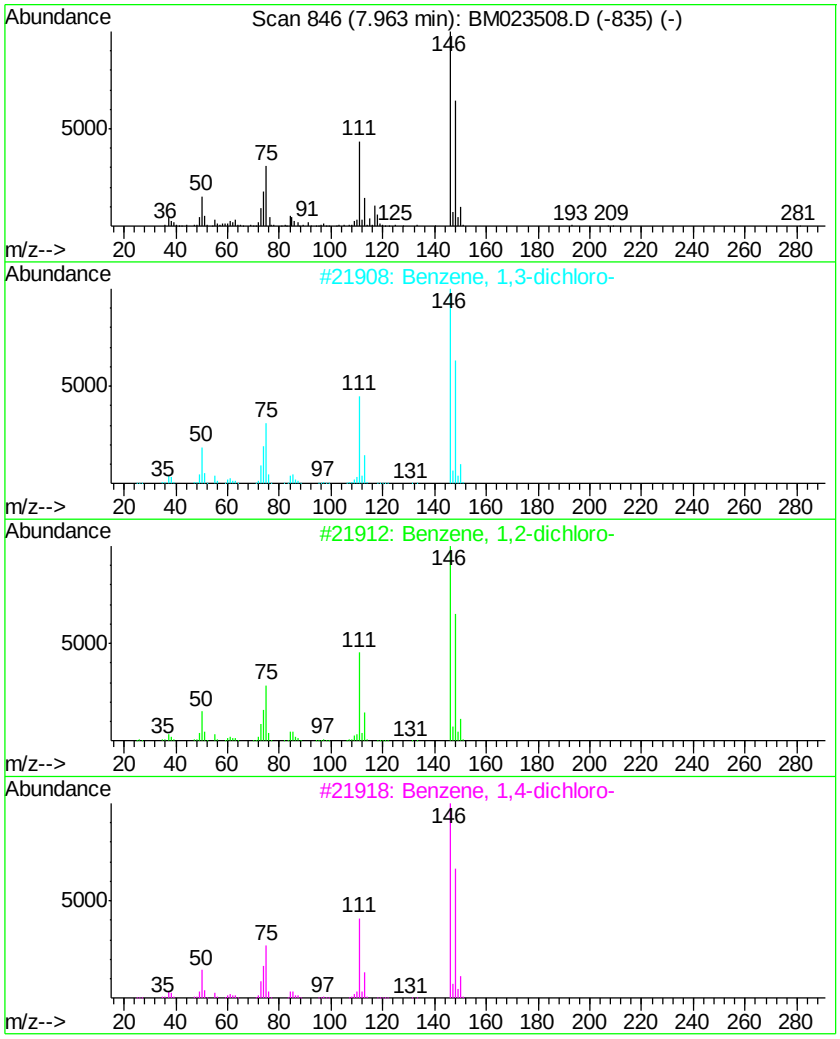
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

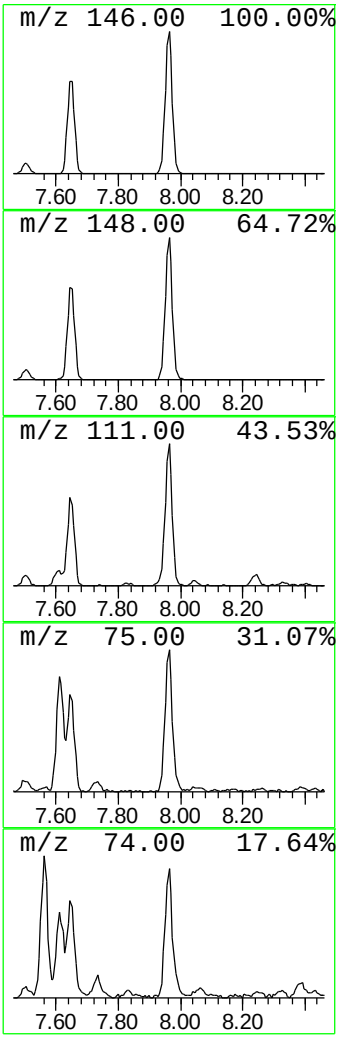
**********

Peak Number 16 Benzene, 1,3-dichloro- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.96 | 10.66 ng/ul | 1461570 | 1,4-Dichlorobenzene-d4 | 7.62 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,3-dichloro- | 146 | C6H4Cl2 | 000541-73-1 | 98 |
| 2 | Benzene, 1,2-dichloro- | 146 | C6H4Cl2 | 000095-50-1 | 98 |
| 3 | Benzene, 1,4-dichloro- | 146 | C6H4Cl2 | 000106-46-7 | 98 |
| 4 | Benzene, 1,3-dichloro- | 146 | C6H4Cl2 | 000541-73-1 | 97 |
| 5 | Benzene, 1,4-dichloro- | 146 | C6H4Cl2 | 000106-46-7 | 96 |



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Data File : BM023508.D
Acq On : 31 Oct 2019 07:26
Operator : JU
Sample : K5487-17
Misc :
ALS Vial : 74 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEJL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

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

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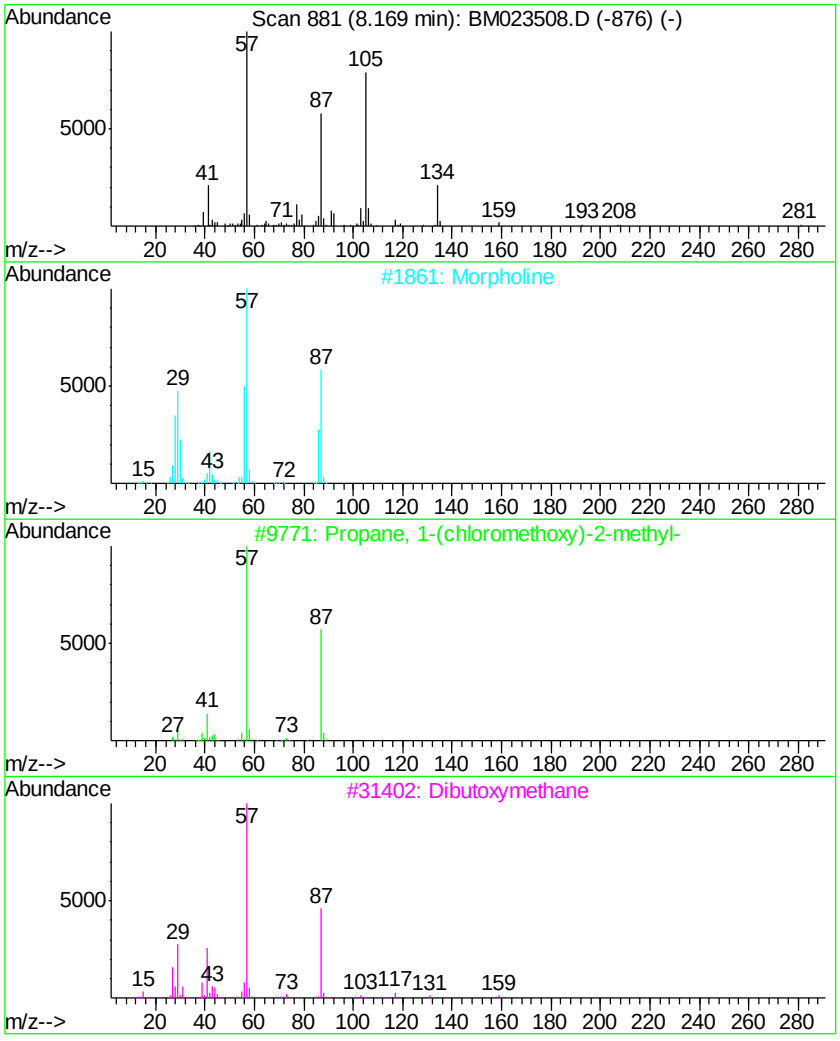
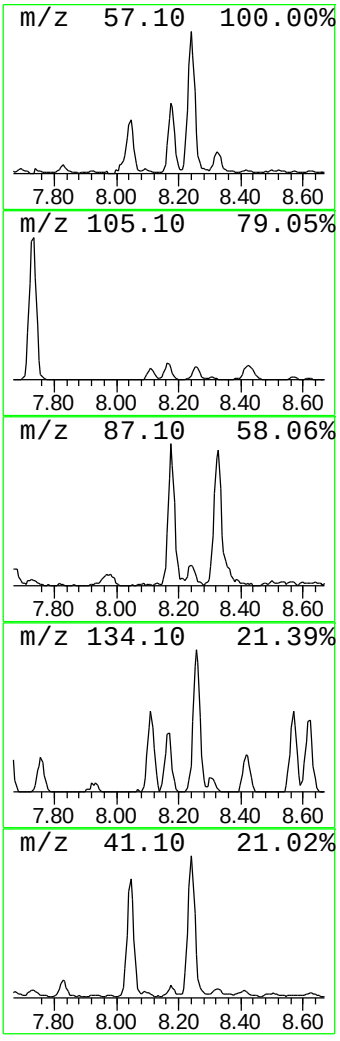
Peak Number 17 unknown-04 Concentration Rank 33

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.17 | 2.16 ng/ul | 296608 | 1,4-Dichlorobenzene-d4 | 7.62 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Morpholine | 87 | C4H9NO | 000110-91-8 | 46 |
| 2 | Propane, 1-(chloromethoxy)-2-met... | 122 | C5H11ClO | 034180-11-5 | 43 |
| 3 | Dibutoxymethane | 160 | C9H20O2 | 002568-90-3 | 42 |
| 4 | 2-[2-[2-[2-(2-Butoxyethoxy)ethox... | 336 | C16H32O7 | 1000351-94-0 | 40 |
| 5 | Morpholine | 87 | C4H9NO | 000110-91-8 | 37 |



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Data File : BM023508.D
Acq On : 31 Oct 2019 07:26
Operator : JU
Sample : K5487-17
Misc :
ALS Vial : 74 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEJL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

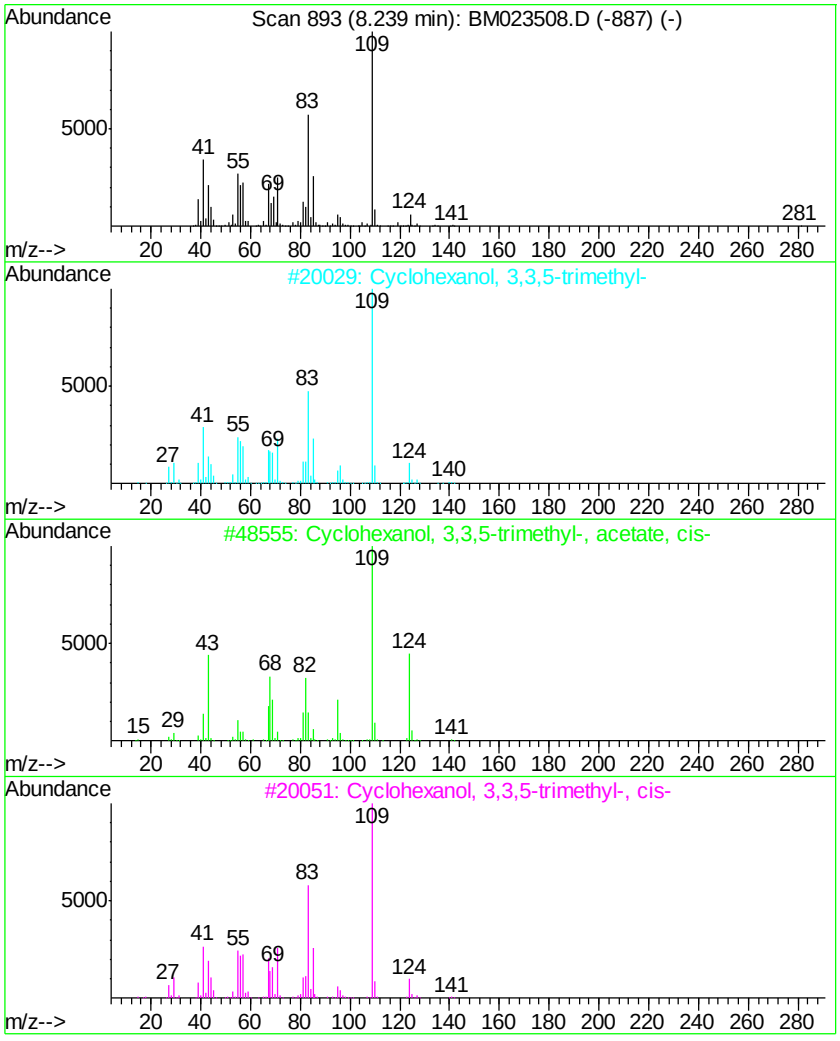
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

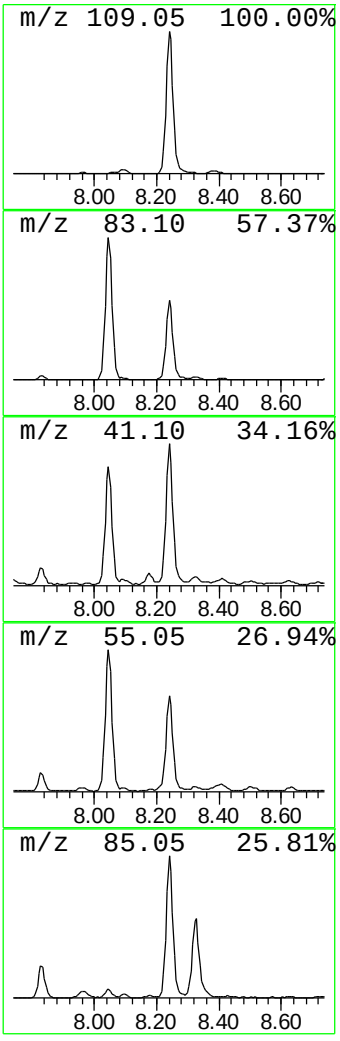
**********

Peak Number 18 Cyclohexanol, 3,3,5-trimethyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.24 | 28.91 ng/ul | 3963850 | 1,4-Dichlorobenzene-d4 | 7.62 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexanol, 3,3,5-trimethyl- | 142 | C9H18O | 000116-02-9 | 76 |
| 2 | Cyclohexanol, 3,3,5-trimethyl-, ... | 184 | C11H20O2 | 024691-16-5 | 47 |
| 3 | Cyclohexanol, 3,3,5-trimethyl-, ... | 142 | C9H18O | 000933-48-2 | 43 |
| 4 | 2-(1-Cyclopent-1-enyl-1-methylet... | 192 | C13H20O | 1000190-57-4 | 38 |
| 5 | Cyclohexanol, 3,3,5-trimethyl-, ... | 184 | C11H20O2 | 024691-16-5 | 37 |



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Acq On : 31 Oct 2019 07:26
Operator : JU
Sample : K5487-17
Misc :
ALS Vial : 74 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEJL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

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

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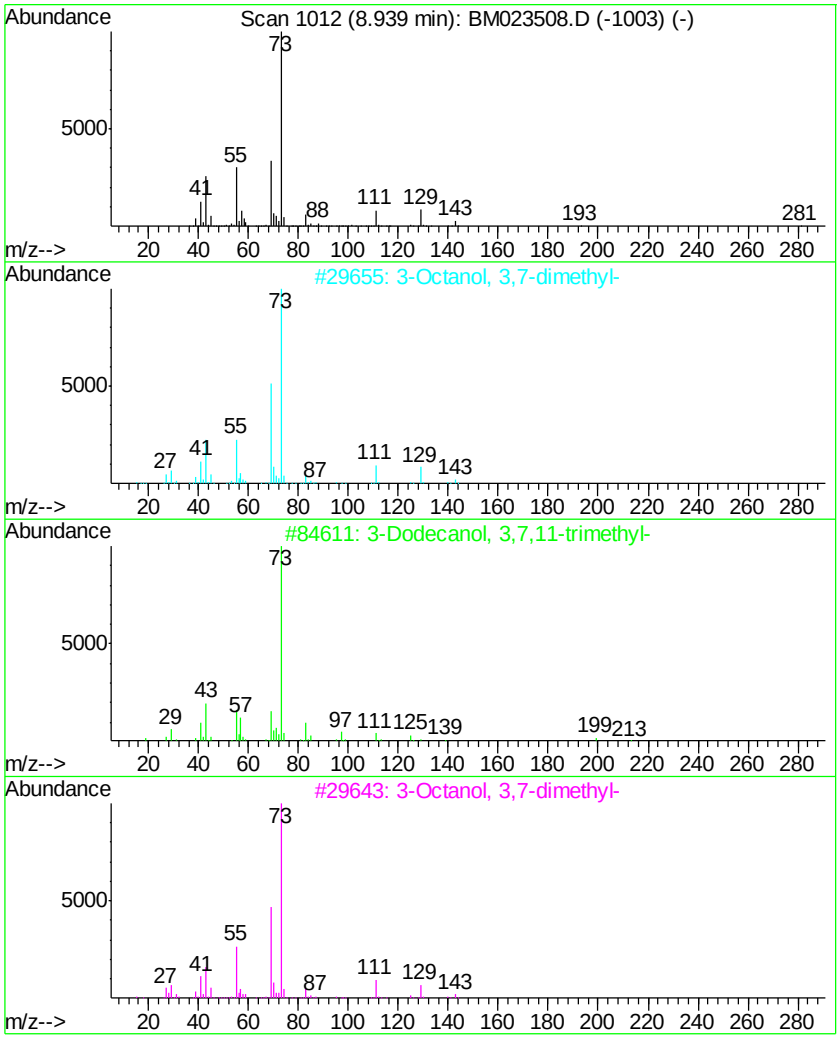
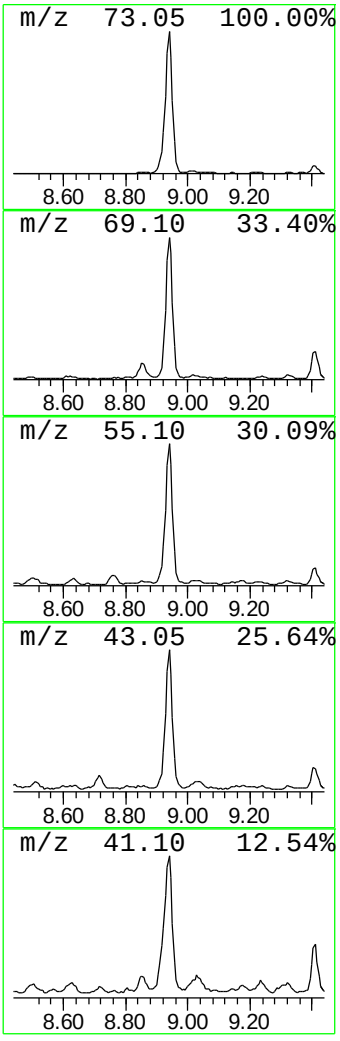
Peak Number 19 3-Octanol, 3,7-dimethyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.94 | 15.60 ng/ul | 2138830 | 1,4-Dichlorobenzene-d4 | 7.62 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Octanol, 3,7-dimethyl- | 158 | C10H22O | 000078-69-3 | 59 |
| 2 | 3-Dodecanol, 3,7,11-trimethyl- | 228 | C15H32O | 007278-65-1 | 47 |
| 3 | 3-Octanol, 3,7-dimethyl- | 158 | C10H22O | 000078-69-3 | 47 |
| 4 | Decane, 3-methoxy- | 172 | C11H24O | 055955-64-1 | 45 |
| 5 | 3-Octanol, 3,6-dimethyl- | 158 | C10H22O | 000151-19-9 | 42 |



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Data File : BM023508.D
Acq On : 31 Oct 2019 07:26
Operator : JU
Sample : K5487-17
Misc :
ALS Vial : 74 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEJL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

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

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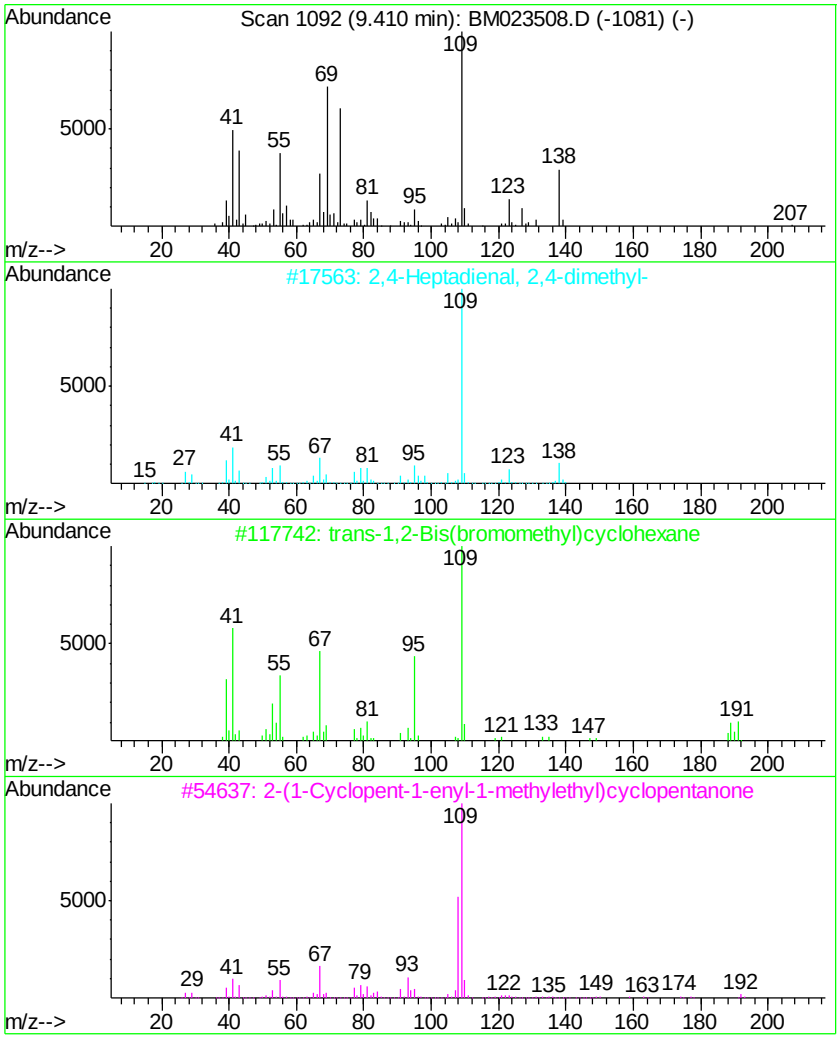
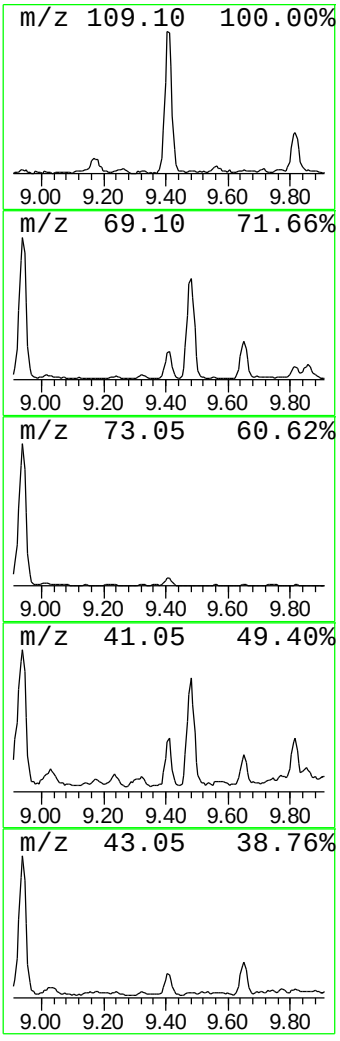
Peak Number 20 2,4-Heptadienal, 2,4-dimethyl- Concentration Rank 32

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.41 | 2.25 ng/ul | 433060 | Naphthalene-d8 | 10.39 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,4-Heptadienal, 2,4-dimethyl- | 138 | C9H14O | 042452-48-2 | 80 |
| 2 | trans-1,2-Bis(bromomethyl)cycloh... | 268 | C8H14Br2 | 1000216-87-8 | 50 |
| 3 | 2-(1-Cyclopent-1-enyl-1-methylet... | 192 | C13H20O | 1000190-57-4 | 50 |
| 4 | (4-Fluoro-benzyl)-phenethyl-amine | 229 | C15H16FN | 1000300-71-4 | 50 |
| 5 | 2-Amino-4-methylpyrimidine | 109 | C5H7N3 | 000108-52-1 | 47 |



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Acq On : 31 Oct 2019 07:26
Operator : JU
Sample : K5487-17
Misc :
ALS Vial : 74 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEJL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

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

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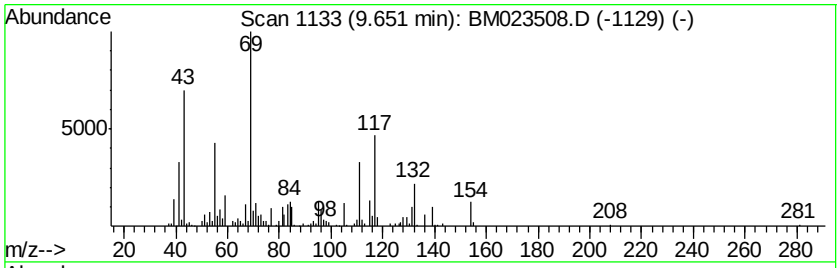
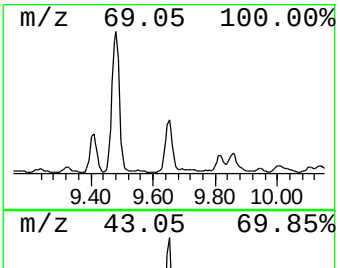
Peak Number 21 (DEL) Alkane: Cyclic9.65 Concentration Rank 36

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.65 | 2.03 ng/ul | 390187 | Naphthalene-d8 | 10.39 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4-Octene, 2,3,7-trimethyl-, [S-(... | 154 | C11H22 | 052763-13-0 | 47 |
| 2 | 4-Octene, 2,3,6-trimethyl- | 154 | C11H22 | 063830-65-9 | 43 |
| 3 | 6-Methyl-hept-2-yn-4-ol | 126 | C8H14O | 060018-69-1 | 38 |
| 4 | Cyclohexane, 1,2,4-trimethyl-, (... | 126 | C9H18 | 007667-60-9 | 38 |
| 5 | 3-Ethyl-4-octene | 140 | C10H20 | 019781-32-9 | 38 |



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Acq On : 31 Oct 2019 07:26
Operator : JU
Sample : K5487-17
Misc :
ALS Vial : 74 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEJL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

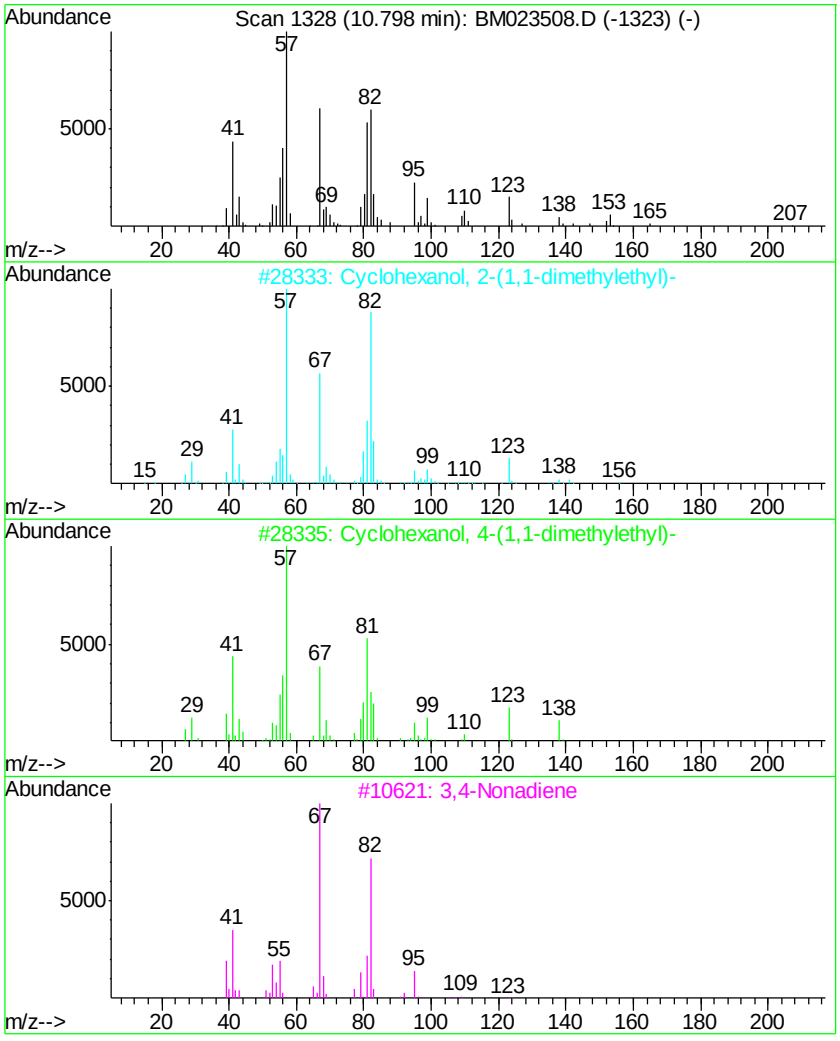
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

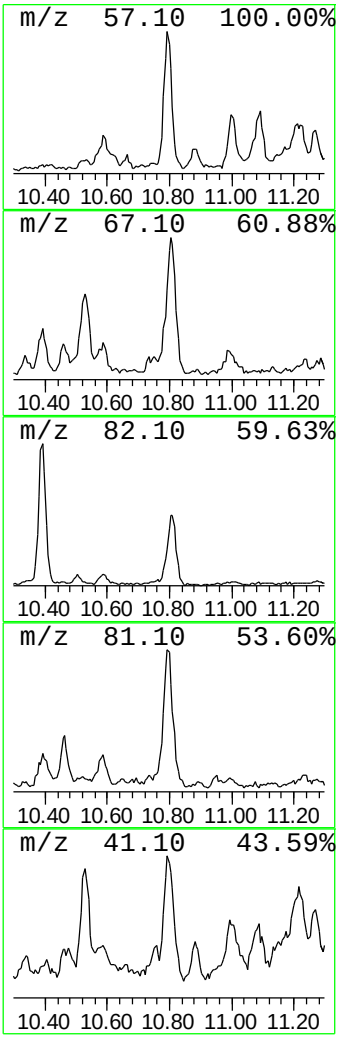
**********

Peak Number 23 unknown-05 Concentration Rank 30

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.80 | 2.36 ng/ul | 452644 | Naphthalene-d8 | 10.39 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexanol, 2-(1,1-dimethyleth... | 156 | C10H20O | 013491-79-7 | 47 |
| 2 | Cyclohexanol, 4-(1,1-dimethyleth... | 156 | C10H20O | 000098-52-2 | 43 |
| 3 | 3,4-Nonadiene | 124 | C9H16 | 037050-03-6 | 38 |
| 4 | Propylidencyclohexane | 124 | C9H16 | 002129-93-3 | 38 |
| 5 | Cyclopentanone, 2-(2-methylpropy... | 138 | C9H14O | 016856-72-7 | 35 |



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Acq On : 31 Oct 2019 07:26
Operator : JU
Sample : K5487-17
Misc :
ALS Vial : 74 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEJL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

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

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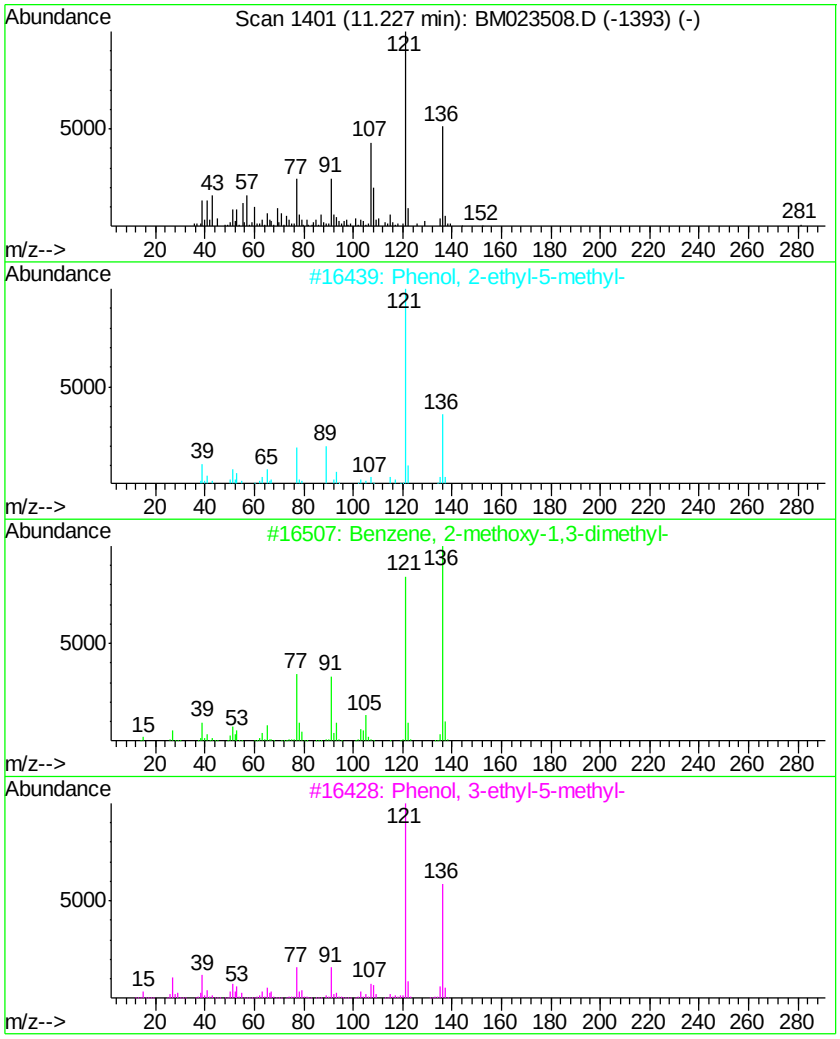
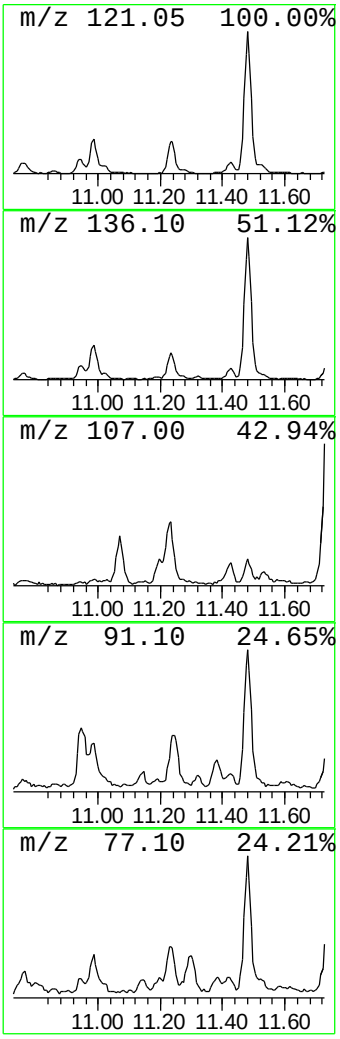
Peak Number 24 Phenol, 2-ethyl-5-methyl- Concentration Rank 34

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.23 | 2.08 ng/ul | 400573 | Naphthalene-d8 | 10.39 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 2-ethyl-5-methyl- | 136 | C9H12O | 001687-61-2 | 62 |
| 2 | Benzene, 2-methoxy-1,3-dimethyl- | 136 | C9H12O | 001004-66-6 | 58 |
| 3 | Phenol, 3-ethyl-5-methyl- | 136 | C9H12O | 000698-71-5 | 53 |
| 4 | Phenol, 2,4,5-trimethyl- | 136 | C9H12O | 000496-78-6 | 53 |
| 5 | Phenol, 3-ethyl-5-methyl- | 136 | C9H12O | 000698-71-5 | 52 |



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Data File : BM023508.D
Acq On : 31 Oct 2019 07:26
Operator : JU
Sample : K5487-17
Misc :
ALS Vial : 74 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEJL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

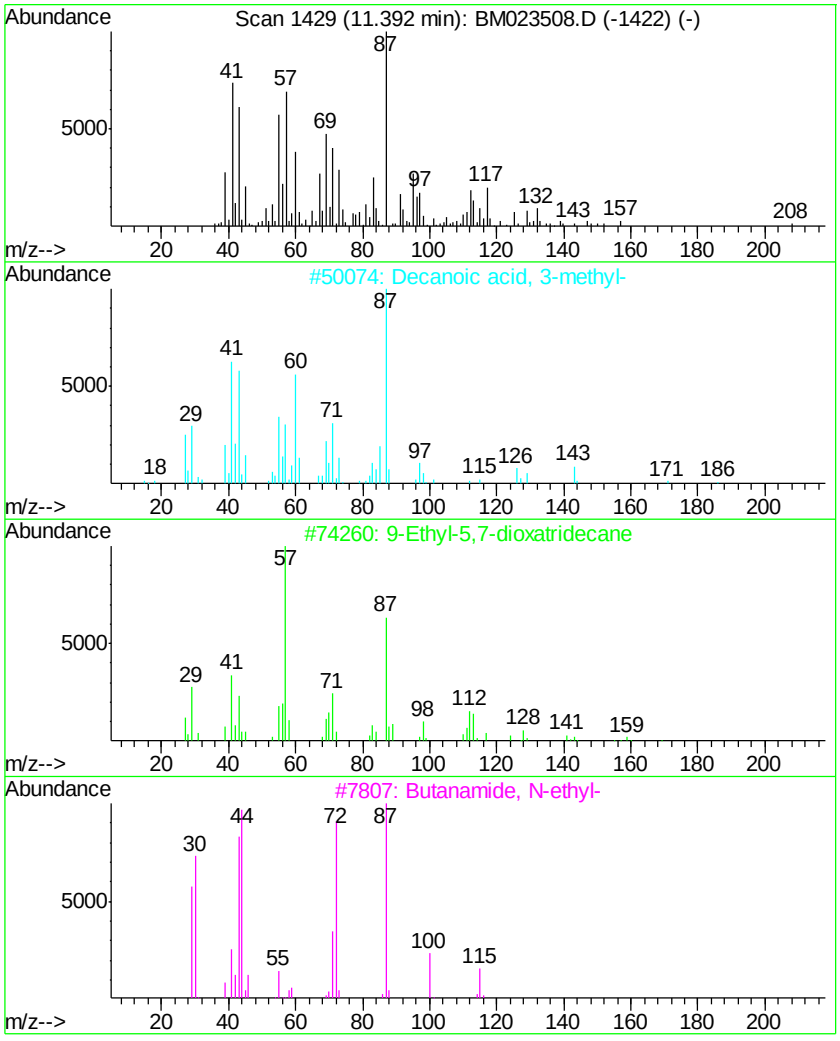
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

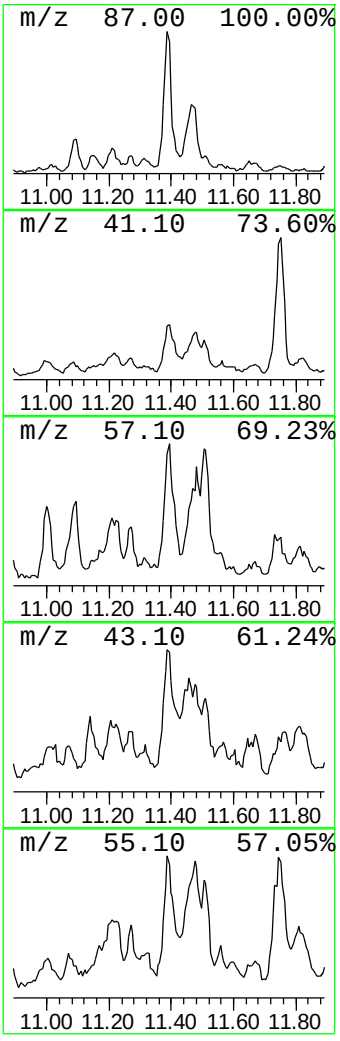
**********

Peak Number 25 unknown-06 Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.39 | 4.44 ng/ul | 853591 | Naphthalene-d8 | 10.39 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Decanoic acid, 3-methyl- | 186 | C11H22O2 | 060308-82-9 | 47 |
| 2 | 9-Ethyl-5,7-dioxatridecane | 216 | C13H28O2 | 1000334-82-6 | 35 |
| 3 | Butanamide, N-ethyl- | 115 | C6H13NO | 013091-16-2 | 27 |
| 4 | Octanoic acid, 4,6-dimethyl-, me... | 186 | C11H22O2 | 002553-96-0 | 25 |
| 5 | 5-Hexen-3-ol, 2,2,4-trimethyl- | 142 | C9H18O | 090676-50-9 | 22 |



Library Search Compound Report

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Data File : BM023508.D
Acq On : 31 Oct 2019 07:26
Operator : JU
Sample : K5487-17
Misc :
ALS Vial : 74 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEJL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

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

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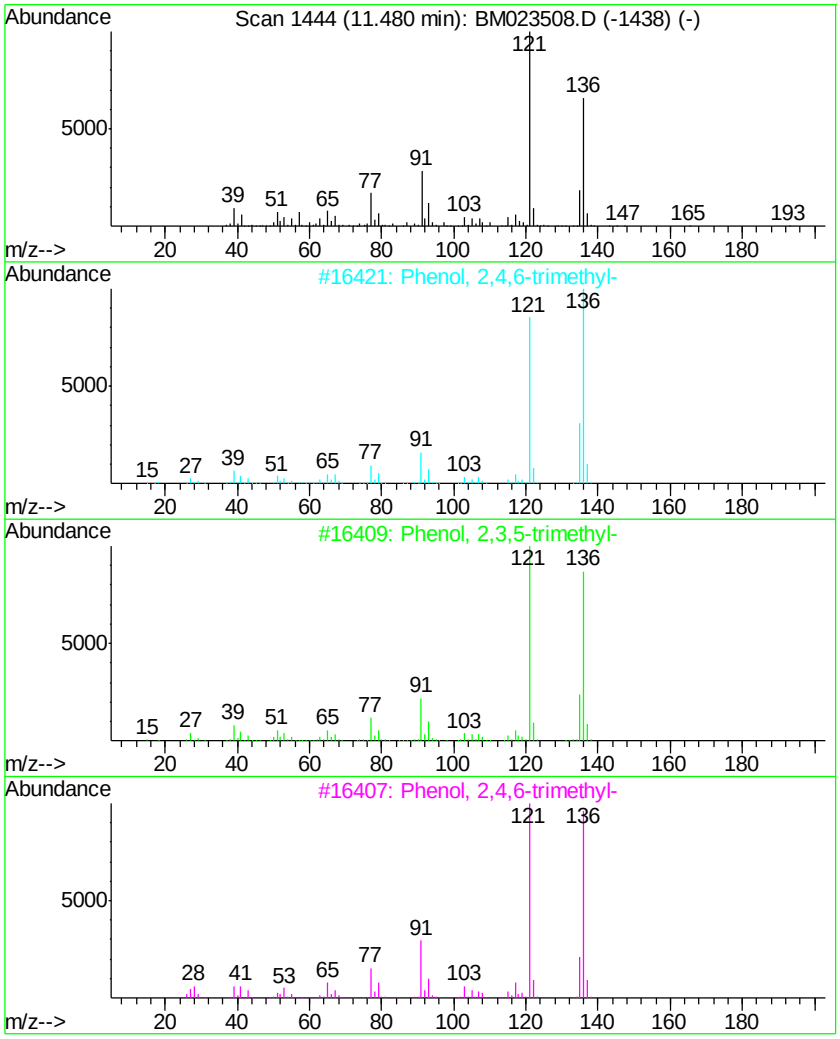
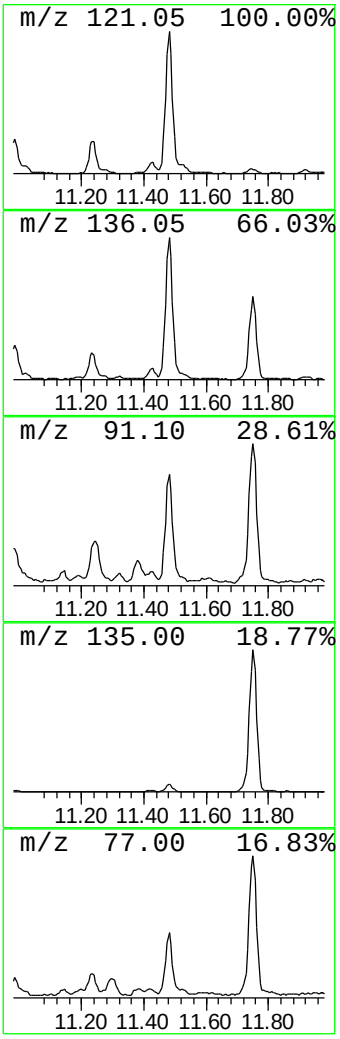
Peak Number 26 Phenol, 2,4,6-trimethyl- Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.48 | 7.91 ng/ul | 1520860 | Naphthalene-d8 | 10.39 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 2,4,6-trimethyl- | 136 | C9H12O | 000527-60-6 | 97 |
| 2 | Phenol, 2,3,5-trimethyl- | 136 | C9H12O | 000697-82-5 | 97 |
| 3 | Phenol, 2,4,6-trimethyl- | 136 | C9H12O | 000527-60-6 | 97 |
| 4 | Phenol, 2,3,6-trimethyl- | 136 | C9H12O | 002416-94-6 | 97 |
| 5 | Phenol, 2,3,5-trimethyl- | 136 | C9H12O | 000697-82-5 | 95 |



Library Search Compound Report

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Data File : BM023508.D
Acq On : 31 Oct 2019 07:26
Operator : JU
Sample : K5487-17
Misc :
ALS Vial : 74 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEJL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

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

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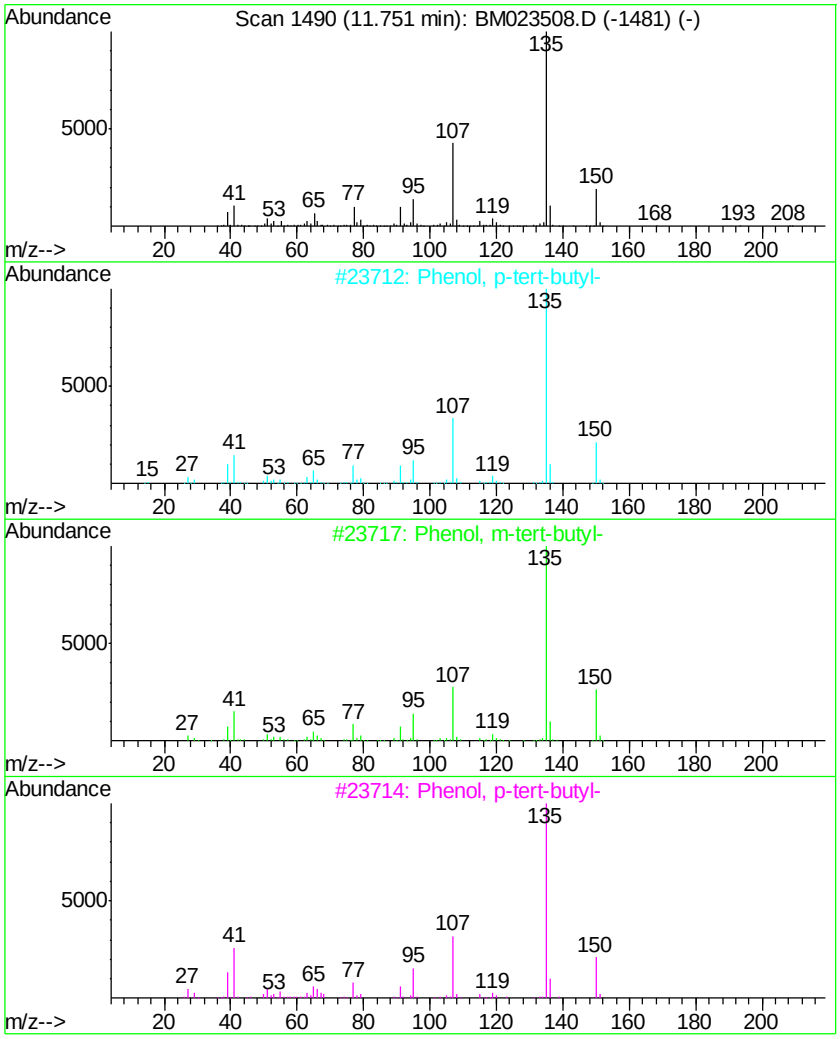
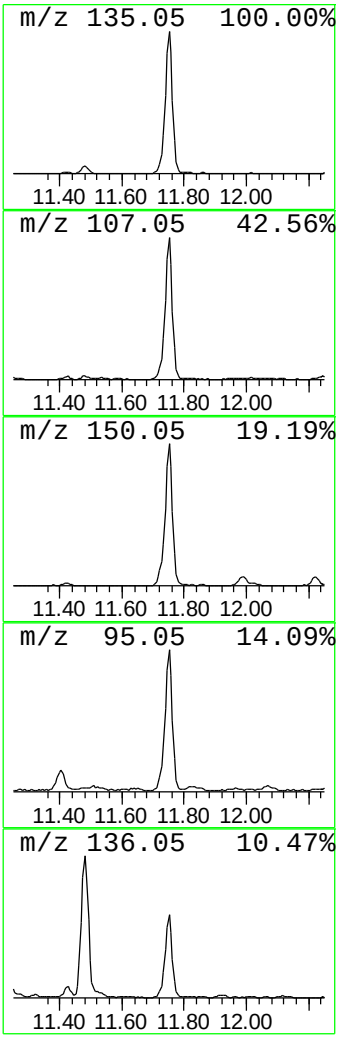
Peak Number 27 Phenol, p-tert-butyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.75 | 16.78 ng/ul | 3223980 | Naphthalene-d8 | 10.39 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, p-tert-butyl- | 150 | C10H14O | 000098-54-4 | 96 |
| 2 | Phenol, m-tert-butyl- | 150 | C10H14O | 000585-34-2 | 94 |
| 3 | Phenol, p-tert-butyl- | 150 | C10H14O | 000098-54-4 | 94 |
| 4 | Phenol, m-tert-butyl- | 150 | C10H14O | 000585-34-2 | 91 |
| 5 | 1,5,6,7-Tetrahydro-4-indolone | 135 | C8H9NO | 013754-86-4 | 53 |



# Library Search Compound Report

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Data File : BM023508.D
Acq On : 31 Oct 2019 07:26
Operator : JU
Sample : K5487-17
Misc :
ALS Vial : 74 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEJL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

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

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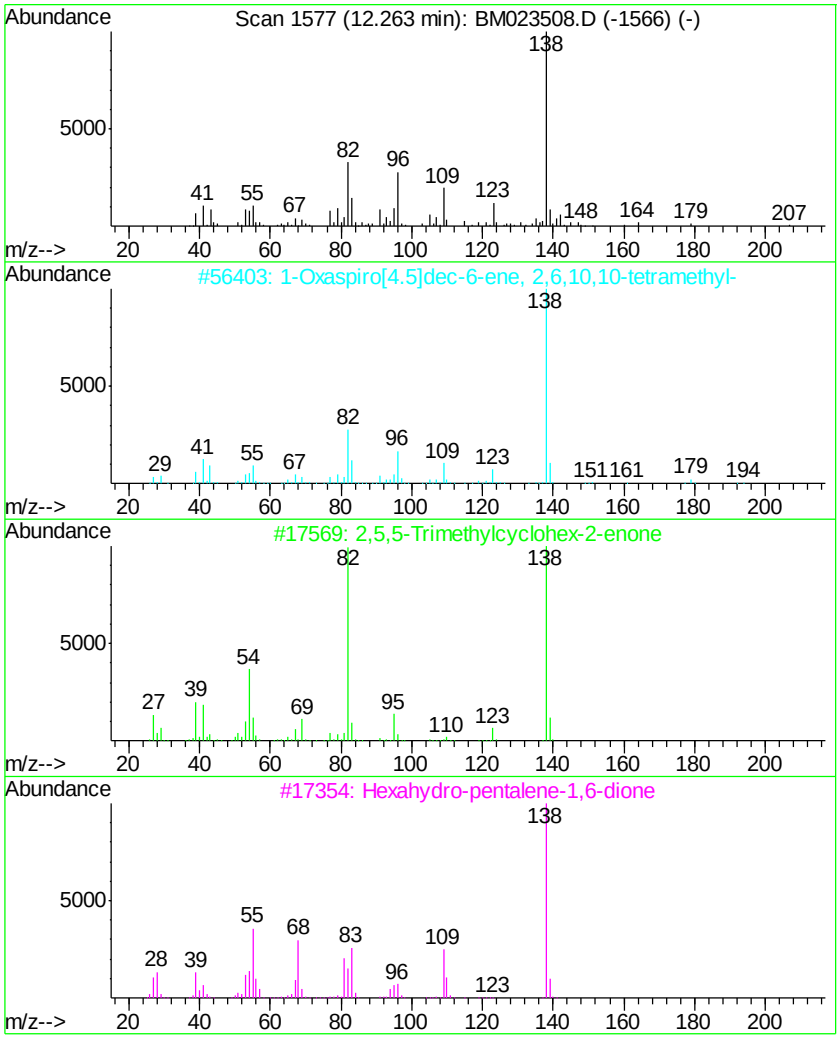
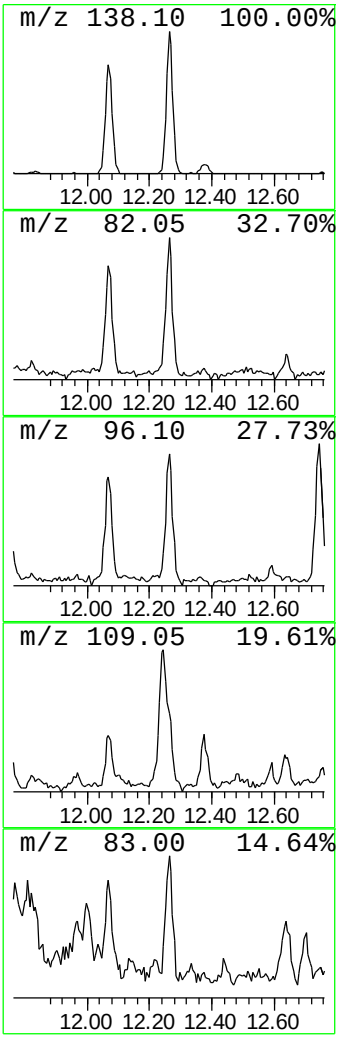
Peak Number 28 1-Oxaspiro[4.5]dec-6-ene, 2... Concentration Rank 26

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.26 | 3.01 ng/ul | 579216 | Naphthalene-d8 | 10.39 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Oxaspiro[4.5]dec-6-ene, 2,6,10... | 194 | C13H22O | 036431-72-8 | 64 |
| 2 | 2,5,5-Trimethylcyclohex-2-enone | 138 | C9H14O | 042747-41-1 | 50 |
| 3 | Hexahydro-pentalene-1,6-dione | 138 | C8H10O2 | 090953-74-5 | 40 |
| 4 | (3S,5R,8aR)-3-Butyl-5-methylocta... | 195 | C13H25N | 094535-27-0 | 38 |
| 5 | Benzene, 1,3-dimethoxy- | 138 | C8H10O2 | 000151-10-0 | 38 |



# Library Search Compound Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102919\
Data File : BM023508.D
Acq On : 31 Oct 2019 07:26
Operator : JU
Sample : K5487-17
Misc :
ALS Vial : 74 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEJL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

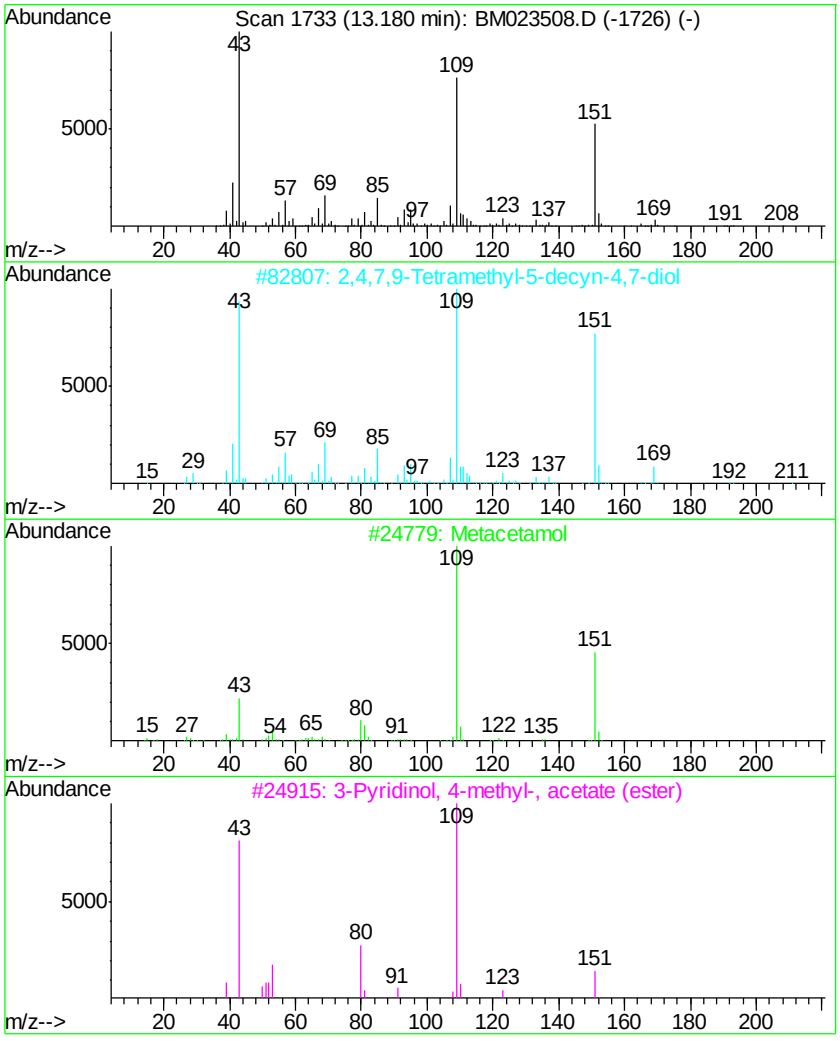
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

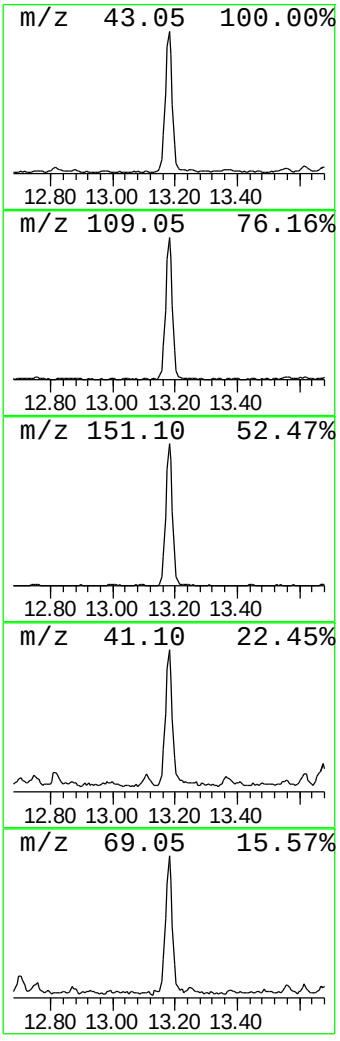
**********

Peak Number 29 2,4,7,9-Tetramethyl-5-decyn... Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.18 | 5.24 ng/ul | 1581590 | Acenaphthene-d10 | 14.26 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,4,7,9-Tetramethyl-5-decyn-4,7-... | 226 | C14H26O2 | 000126-86-3 | 91 |
| 2 | Metacetamol | 151 | C8H9NO2 | 000621-42-1 | 64 |
| 3 | 3-Pyridinol, 4-methyl-, acetate ... | 151 | C8H9NO2 | 001006-96-8 | 64 |
| 4 | Pyridine, 3-butyl-, 1-oxide | 151 | C9H13NO | 031396-33-5 | 59 |
| 5 | p-Isopropoxyaniline | 151 | C9H13NO | 007664-66-6 | 59 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102919\
Data File : BM023508.D
Acq On : 31 Oct 2019 07:26
Operator : JU
Sample : K5487-17
Misc :
ALS Vial : 74 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEJL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

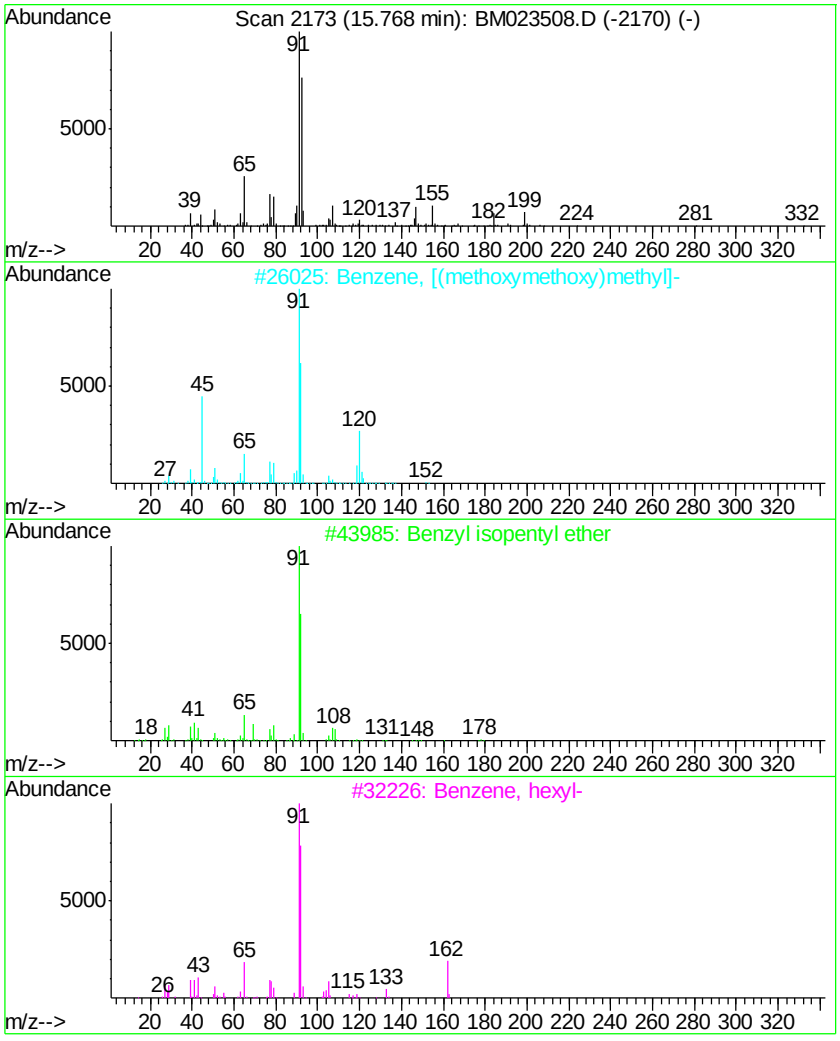
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

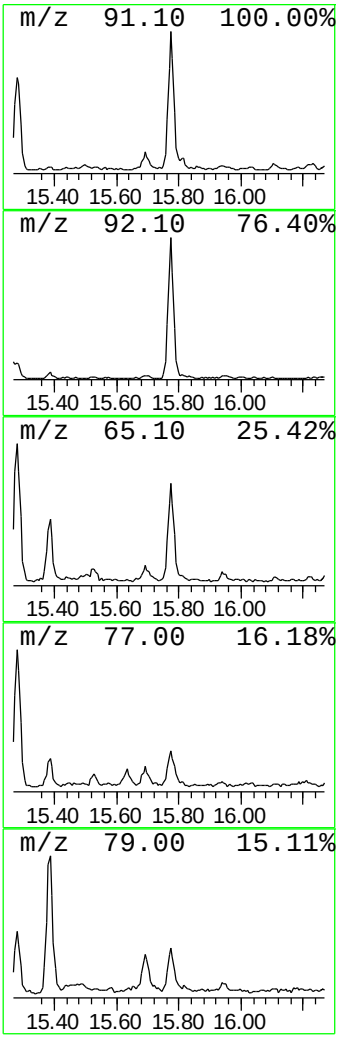
**********

Peak Number 30 Benzene, [(methoxymethoxy)m... Concentration Rank 31

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.77 | 2.35 ng/ul | 747367 | Phenanthrene-d10 | 17.01 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, [(methoxymethoxy)methyl]- | 152 | C9H12O2 | 031600-55-2 | 50 |
| 2 | Benzyl isopentyl ether | 178 | C12H18O | 000122-73-6 | 50 |
| 3 | Benzene, hexyl- | 162 | C12H18 | 001077-16-3 | 47 |
| 4 | Phenylethyl Alcohol | 122 | C8H10O | 000060-12-8 | 47 |
| 5 | Benzene, 1,1'-[oxybis(methylene)... | 198 | C14H14O | 000103-50-4 | 47 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102919\
Data File : BM023508.D
Acq On : 31 Oct 2019 07:26
Operator : JU
Sample : K5487-17
Misc :
ALS Vial : 74 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEJL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.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 |
| Methyl Isobutyl K... | 3.48 | 3.6 | ng/ul | 491592 | 1 | 7.62 | 2742220 | 20.0 |
| Toluene | 3.86 | 468.3 | ng/ul | 64210900 | 1 | 7.62 | 2742220 | 20.0 |
| Benzene, chloro- | 4.96 | 23.8 | ng/ul | 3263450 | 1 | 7.62 | 2742220 | 20.0 |
| Ethylbenzene | 5.16 | 98.8 | ng/ul | 13548800 | 1 | 7.62 | 2742220 | 20.0 |
| Benzene, 1,3-dime... | 5.29 | 183.8 | ng/ul | 25202100 | 1 | 7.62 | 2742220 | 20.0 |
| p-Xylene | 5.65 | 54.5 | ng/ul | 7477810 | 1 | 7.62 | 2742220 | 20.0 |
| Benzene, (1-methy... | 6.12 | 23.3 | ng/ul | 3195390 | 1 | 7.62 | 2742220 | 20.0 |
| 3-Octanone | 6.31 | 2.6 | ng/ul | 352880 | 1 | 7.62 | 2742220 | 20.0 |
| Benzene, propyl- | 6.61 | 6.3 | ng/ul | 869243 | 1 | 7.62 | 2742220 | 20.0 |
| Benzene, 1-ethyl-... | 6.72 | 11.9 | ng/ul | 1625950 | 1 | 7.62 | 2742220 | 20.0 |
| unknown-01 | 6.90 | 2.7 | ng/ul | 372772 | 1 | 7.62 | 2742220 | 20.0 |
| Benzene, 1,2,3-tr... | 7.27 | 39.2 | ng/ul | 5368620 | 1 | 7.62 | 2742220 | 20.0 |
| unknown-02 | 7.33 | 3.7 | ng/ul | 510191 | 1 | 7.62 | 2742220 | 20.0 |
| Mesitylene | 7.73 | 9.9 | ng/ul | 1356190 | 1 | 7.62 | 2742220 | 20.0 |
| unknown-03 | 7.83 | 4.3 | ng/ul | 596993 | 1 | 7.62 | 2742220 | 20.0 |
| Benzene, 1,3-dich... | 7.96 | 10.7 | ng/ul | 1461570 | 1 | 7.62 | 2742220 | 20.0 |
| unknown-04 | 8.17 | 2.2 | ng/ul | 296608 | 1 | 7.62 | 2742220 | 20.0 |
| Cyclohexanol, 3,3... | 8.24 | 28.9 | ng/ul | 3963850 | 1 | 7.62 | 2742220 | 20.0 |
| 3-Octanol, 3,7-di... | 8.94 | 15.6 | ng/ul | 2138830 | 1 | 7.62 | 2742220 | 20.0 |
| 2,4-Heptadienal, ... | 9.41 | 2.3 | ng/ul | 433060 | 2 | 10.39 | 3843380 | 20.0 |
| (DEL) Alkane: Cyc... | 9.65 | 2.0 | ng/ul | 390187 | 2 | 10.39 | 3843380 | 20.0 |
| unknown-05 | 10.80 | 2.4 | ng/ul | 452644 | 2 | 10.39 | 3843380 | 20.0 |
| Phenol, 2-ethyl-5... | 11.23 | 2.1 | ng/ul | 400573 | 2 | 10.39 | 3843380 | 20.0 |
| unknown-06 | 11.39 | 4.4 | ng/ul | 853591 | 2 | 10.39 | 3843380 | 20.0 |
| Phenol, 2,4,6-tri... | 11.48 | 7.9 | ng/ul | 1520860 | 2 | 10.39 | 3843380 | 20.0 |
| Phenol, p-tert-bu... | 11.75 | 16.8 | ng/ul | 3223980 | 2 | 10.39 | 3843380 | 20.0 |
| 1-Oxaspiro[4.5]de... | 12.26 | 3.0 | ng/ul | 579216 | 2 | 10.39 | 3843380 | 20.0 |
| 2,4,7,9-Tetrameth... | 13.18 | 5.2 | ng/ul | 1581590 | 3 | 14.26 | 6032560 | 20.0 |
| Benzene, [(methox... | 15.77 | 2.4 | ng/ul | 747367 | 4 | 17.01 | 6371700 | 20.0 |