LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101420\
Data File : BG046907.D
Acq On : 15 Oct 2020 00:30
Operator : CG/JU
Sample : L4359-14DL 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** CB7P9DL

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_G\METHODS\SOM-EPA-BG092920MA.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 | 3.432 | 14 | 16 | 20 | rVB4 | 2206 | 2816 | 0.20% | 0.032% |
| 2 | 3.555 | 32 | 37 | 43 | rVB | 28267 | 40940 | 2.90% | 0.463% |
| 3 | 4.272 | 155 | 159 | 161 | rBV3 | 3198 | 3966 | 0.28% | 0.045% |
| 4 | 4.342 | 166 | 171 | 176 | rBV2 | 8779 | 13479 | 0.96% | 0.152% |
| 5 | 4.377 | 176 | 177 | 186 | rVB3 | 3562 | 6321 | 0.45% | 0.071% |
| 6 | 4.712 | 229 | 234 | 240 | rVB3 | 12233 | 21920 | 1.56% | 0.248% |
| 7 | 6.363 | 512 | 515 | 520 | rBV2 | 2339 | 3638 | 0.26% | 0.041% |
| 8 | 7.245 | 659 | 665 | 674 | rVB4 | 12104 | 24163 | 1.71% | 0.273% |
| 9 | 7.415 | 690 | 694 | 702 | rVB | 25866 | 43727 | 3.10% | 0.494% |
| 10 | 7.627 | 724 | 730 | 736 | rBV2 | 32114 | 53555 | 3.80% | 0.605% |
| 11 | 8.097 | 803 | 810 | 817 | rBV | 222724 | 378735 | 26.87% | 4.280% |
| 12 | 8.161 | 817 | 821 | 824 | rVV3 | 3505 | 4758 | 0.34% | 0.054% |
| 13 | 8.479 | 872 | 875 | 881 | rVB2 | 2097 | 2798 | 0.20% | 0.032% |
| 14 | 8.796 | 922 | 929 | 936 | rVB | 31005 | 50794 | 3.60% | 0.574% |
| 15 | 9.078 | 970 | 977 | 987 | rBV | 201553 | 342289 | 24.28% | 3.868% |
| 16 | 9.190 | 994 | 996 | 1001 | rVB2 | 3643 | 5182 | 0.37% | 0.059% |
| 17 | 9.260 | 1001 | 1008 | 1015 | rBV | 34153 | 64558 | 4.58% | 0.730% |
| 18 | 9.348 | 1018 | 1023 | 1027 | rVB3 | 4863 | 8048 | 0.57% | 0.091% |
| 19 | 9.618 | 1062 | 1069 | 1073 | rBV3 | 4559 | 6984 | 0.50% | 0.079% |
| 20 | 9.683 | 1076 | 1080 | 1085 | rVV4 | 6682 | 12231 | 0.87% | 0.138% |
| 21 | 9.795 | 1096 | 1099 | 1102 | rVB2 | 2347 | 3065 | 0.22% | 0.035% |
| 22 | 9.983 | 1125 | 1131 | 1138 | rBV2 | 32000 | 55333 | 3.93% | 0.625% |
| 23 | 10.106 | 1150 | 1152 | 1154 | rBV2 | 2588 | 2670 | 0.19% | 0.030% |
| 24 | 10.165 | 1159 | 1162 | 1163 | rBV2 | 2752 | 2605 | 0.18% | 0.029% |
| 25 | 10.318 | 1184 | 1188 | 1192 | rVB5 | 9723 | 15093 | 1.07% | 0.171% |
| 26 | 10.447 | 1204 | 1210 | 1215 | rBV5 | 8520 | 18885 | 1.34% | 0.213% |
| 27 | 10.523 | 1215 | 1223 | 1232 | rBV2 | 51629 | 102581 | 7.28% | 1.159% |
| 28 | 10.811 | 1266 | 1272 | 1276 | rBV4 | 3613 | 5480 | 0.39% | 0.062% |
| 29 | 10.905 | 1280 | 1288 | 1301 | rBV | 297390 | 536299 | 38.05% | 6.061% |
| 30 | 11.034 | 1304 | 1310 | 1317 | rBV2 | 46670 | 92469 | 6.56% | 1.045% |
| 31 | 11.134 | 1325 | 1327 | 1328 | rBV2 | 2732 | 2477 | 0.18% | 0.028% |
| 32 | 11.305 | 1353 | 1356 | 1358 | rBV | 2488 | 3356 | 0.24% | 0.038% |
| 33 | 11.598 | 1403 | 1406 | 1409 | rVB3 | 2581 | 3470 | 0.25% | 0.039% |
| 34 | 11.645 | 1412 | 1414 | 1417 | rBV3 | 2832 | 2358 | 0.17% | 0.027% |

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Sample : L4359-14DL 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** CB7P9DL

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_G\METHODS\SOM-EPA-BG092920MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 11.722 | 1425 | 1427 | 1428 | rBV | 3851 | 3847 | 0.27% | 0.043% |
| 36 | 11.851 | 1443 | 1449 | 1453 | rVB6 | 4621 | 7897 | 0.56% | 0.089% |
| 37 | 11.957 | 1465 | 1467 | 1469 | rBV3 | 3383 | 2193 | 0.16% | 0.025% |
| 38 | 12.045 | 1478 | 1482 | 1484 | rBV3 | 3055 | 3056 | 0.22% | 0.035% |
| 39 | 12.098 | 1486 | 1491 | 1496 | rVB2 | 2686 | 5722 | 0.41% | 0.065% |
| 40 | 12.227 | 1509 | 1513 | 1518 | rBV4 | 6307 | 11004 | 0.78% | 0.124% |
| 41 | 12.392 | 1533 | 1541 | 1549 | rBV2 | 91447 | 157334 | 11.16% | 1.778% |
| 42 | 12.497 | 1553 | 1559 | 1566 | rVB3 | 19494 | 37263 | 2.64% | 0.421% |
| 43 | 12.638 | 1581 | 1583 | 1586 | rVB2 | 3346 | 3226 | 0.23% | 0.036% |
| 44 | 12.809 | 1609 | 1612 | 1617 | rBV3 | 3164 | 4502 | 0.32% | 0.051% |
| 45 | 12.973 | 1637 | 1640 | 1642 | rBV3 | 2864 | 3022 | 0.21% | 0.034% |
| 46 | 12.997 | 1642 | 1644 | 1648 | rVB4 | 2752 | 3058 | 0.22% | 0.035% |
| 47 | 13.091 | 1658 | 1660 | 1662 | rVB2 | 2821 | 2603 | 0.18% | 0.029% |
| 48 | 13.267 | 1687 | 1690 | 1692 | rBV4 | 2485 | 2479 | 0.18% | 0.028% |
| 49 | 13.432 | 1714 | 1718 | 1720 | rBV3 | 2205 | 2540 | 0.18% | 0.029% |
| 50 | 13.502 | 1727 | 1730 | 1732 | rBV3 | 2359 | 2824 | 0.20% | 0.032% |
| 51 | 13.555 | 1737 | 1739 | 1743 | rVB4 | 2182 | 2614 | 0.19% | 0.030% |
| 52 | 13.655 | 1755 | 1756 | 1761 | rVB4 | 2911 | 2827 | 0.20% | 0.032% |
| 53 | 13.755 | 1766 | 1773 | 1779 | rBV5 | 6040 | 10644 | 0.76% | 0.120% |
| 54 | 13.919 | 1799 | 1801 | 1803 | rBV2 | 3776 | 3571 | 0.25% | 0.040% |
| 55 | 13.966 | 1807 | 1809 | 1813 | rVV2 | 2873 | 3330 | 0.24% | 0.038% |
| 56 | 14.119 | 1828 | 1835 | 1839 | rBV | 109821 | 157649 | 11.18% | 1.782% |
| 57 | 14.160 | 1839 | 1842 | 1849 | rVB | 14759 | 24437 | 1.73% | 0.276% |
| 58 | 14.260 | 1857 | 1859 | 1860 | rBV2 | 4227 | 4045 | 0.29% | 0.046% |
| 59 | 14.360 | 1873 | 1876 | 1878 | rBV3 | 3739 | 3999 | 0.28% | 0.045% |
| 60 | 14.413 | 1880 | 1885 | 1892 | rVB | 116824 | 171079 | 12.14% | 1.933% |
| 61 | 14.507 | 1898 | 1901 | 1904 | rBV4 | 6125 | 7448 | 0.53% | 0.084% |
| 62 | 14.618 | 1918 | 1920 | 1921 | rBV2 | 3118 | 2775 | 0.20% | 0.031% |
| 63 | 14.636 | 1921 | 1923 | 1931 | rVV7 | 13786 | 21445 | 1.52% | 0.242% |
| 64 | 14.718 | 1931 | 1937 | 1945 | rVV2 | 513707 | 797440 | 56.57% | 9.012% |
| 65 | 14.830 | 1954 | 1956 | 1958 | rVB3 | 3229 | 2169 | 0.15% | 0.025% |
| 66 | 14.912 | 1965 | 1970 | 1976 | rBV6 | 11425 | 19186 | 1.36% | 0.217% |
| 67 | 15.059 | 1992 | 1995 | 1996 | rBV3 | 3565 | 2578 | 0.18% | 0.029% |
| 68 | 15.077 | 1996 | 1998 | 1999 | rVV2 | 4339 | 3075 | 0.22% | 0.035% |
| 69 | 15.218 | 2021 | 2022 | 2025 | rBV3 | 3592 | 3526 | 0.25% | 0.040% |
| 70 | 15.300 | 2033 | 2036 | 2039 | rVB4 | 4542 | 5896 | 0.42% | 0.067% |
| 71 | 15.559 | 2077 | 2080 | 2082 | rBV4 | 2761 | 3806 | 0.27% | 0.043% |

LSC Area Percent Report

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Operator : CG/JU
Sample : L4359-14DL 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** CB7P9DL

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_G\METHODS\SOM-EPA-BG092920MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 15.711 | 2100 | 2106 | 2112 | rVB | 149325 | 224845 | 15.95% | 2.541% |
| 73 | 15.758 | 2112 | 2114 | 2116 | rBV2 | 4050 | 3188 | 0.23% | 0.036% |
| 74 | 15.817 | 2119 | 2124 | 2129 | rBV3 | 22072 | 37146 | 2.64% | 0.420% |
| 75 | 15.958 | 2143 | 2148 | 2152 | rBV7 | 9876 | 16718 | 1.19% | 0.189% |
| 76 | 16.211 | 2186 | 2191 | 2196 | rVB2 | 63031 | 88309 | 6.26% | 0.998% |
| 77 | 16.293 | 2202 | 2205 | 2206 | rBV3 | 2769 | 2944 | 0.21% | 0.033% |
| 78 | 16.375 | 2216 | 2219 | 2226 | rVB3 | 16993 | 25681 | 1.82% | 0.290% |
| 79 | 16.587 | 2253 | 2255 | 2260 | rBV5 | 4684 | 6185 | 0.44% | 0.070% |
| 80 | 16.722 | 2273 | 2278 | 2282 | rBV | 39730 | 55555 | 3.94% | 0.628% |
| 81 | 16.980 | 2320 | 2322 | 2325 | rVB4 | 8261 | 7986 | 0.57% | 0.090% |
| 82 | 17.033 | 2328 | 2331 | 2336 | rVV7 | 8411 | 12641 | 0.90% | 0.143% |
| 83 | 17.204 | 2356 | 2360 | 2361 | rBV2 | 4312 | 5183 | 0.37% | 0.059% |
| 84 | 17.362 | 2385 | 2387 | 2388 | rBV2 | 4499 | 3043 | 0.22% | 0.034% |
| 85 | 17.462 | 2398 | 2404 | 2411 | rBV | 709511 | 1069754 | 75.89% | 12.090% |
| 86 | 17.562 | 2415 | 2421 | 2428 | rVB | 175674 | 270141 | 19.16% | 3.053% |
| 87 | 17.703 | 2441 | 2445 | 2448 | rBV6 | 4313 | 5228 | 0.37% | 0.059% |
| 88 | 17.821 | 2463 | 2465 | 2469 | rBV5 | 5121 | 7684 | 0.55% | 0.087% |
| 89 | 17.903 | 2477 | 2479 | 2481 | rBV3 | 3793 | 3649 | 0.26% | 0.041% |
| 90 | 18.073 | 2506 | 2508 | 2509 | rBV2 | 4810 | 4575 | 0.32% | 0.052% |
| 91 | 18.132 | 2515 | 2518 | 2520 | rBV4 | 5017 | 4357 | 0.31% | 0.049% |
| 92 | 18.343 | 2550 | 2554 | 2560 | rBV5 | 17411 | 24832 | 1.76% | 0.281% |
| 93 | 18.643 | 2603 | 2605 | 2608 | rVB4 | 8252 | 9139 | 0.65% | 0.103% |
| 94 | 19.125 | 2684 | 2687 | 2690 | rVB4 | 13231 | 16979 | 1.20% | 0.192% |
| 95 | 19.842 | 2804 | 2809 | 2814 | rBV | 248616 | 370485 | 26.28% | 4.187% |
| 96 | 19.953 | 2826 | 2828 | 2831 | rBV4 | 7598 | 8474 | 0.60% | 0.096% |
| 97 | 21.369 | 3066 | 3069 | 3078 | rVB9 | 33973 | 60757 | 4.31% | 0.687% |
| 98 | 21.734 | 3125 | 3131 | 3139 | rVB | 805011 | 1331900 | 94.49% | 15.052% |
| 99 | 24.771 | 3641 | 3648 | 3656 | rVB | 121078 | 318253 | 22.58% | 3.597% |
| 100 | 25.000 | 3677 | 3687 | 3700 | rVB2 | 487855 | 1409597 | 100.00% | 15.931% |

Sum of corrected areas: 8848380

LSC Report - Integrated Chromatogram

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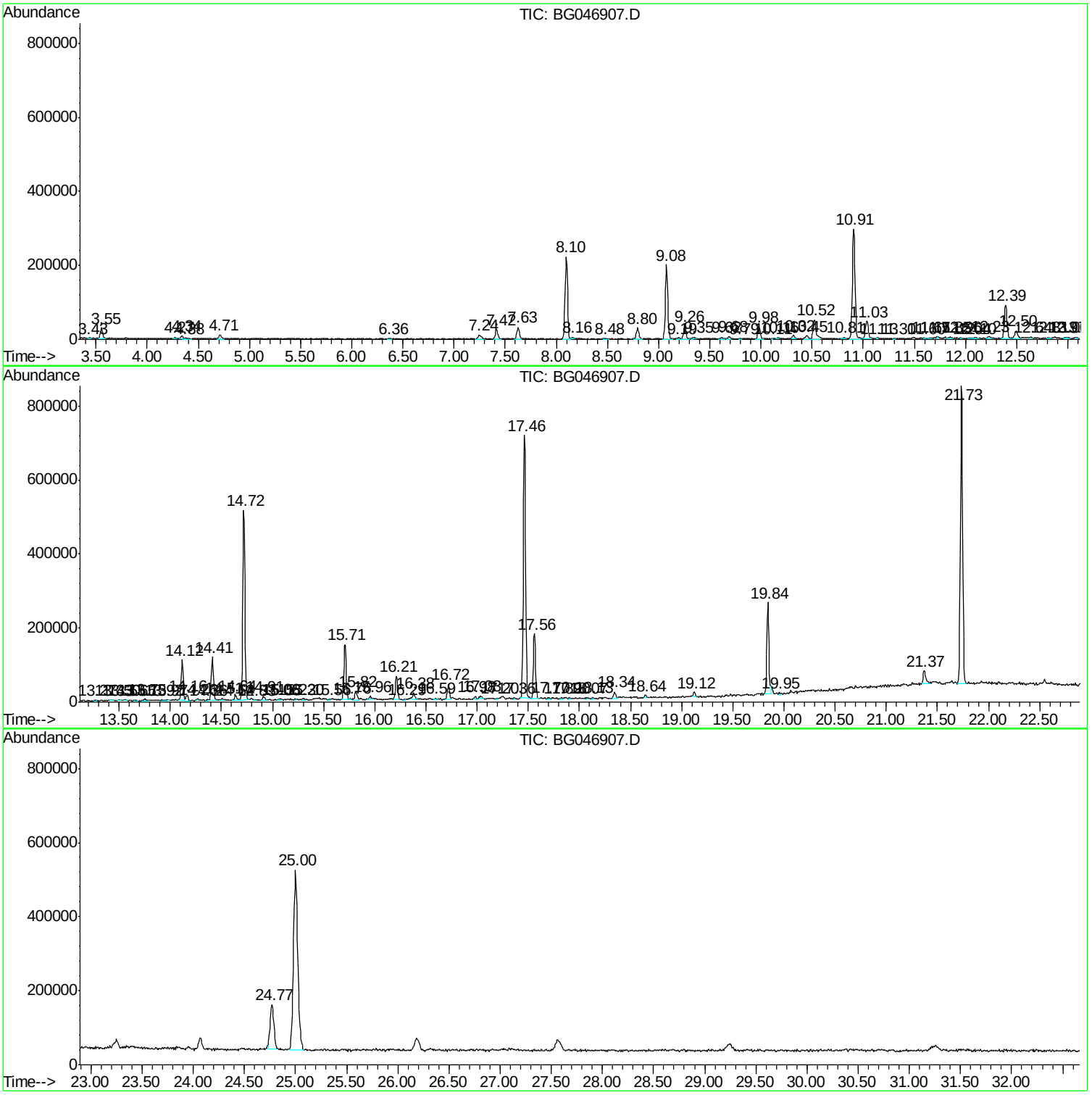
Sample : L4359-14DL 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** CB7P9DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG092920MA.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101420\
Data File : BG046907.D
Acq On : 15 Oct 2020 00:30
Operator : CG/JU
Sample : L4359-14DL 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** CB7P9DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG092920MA.M
Quant Title : SVOA CALIBRATION

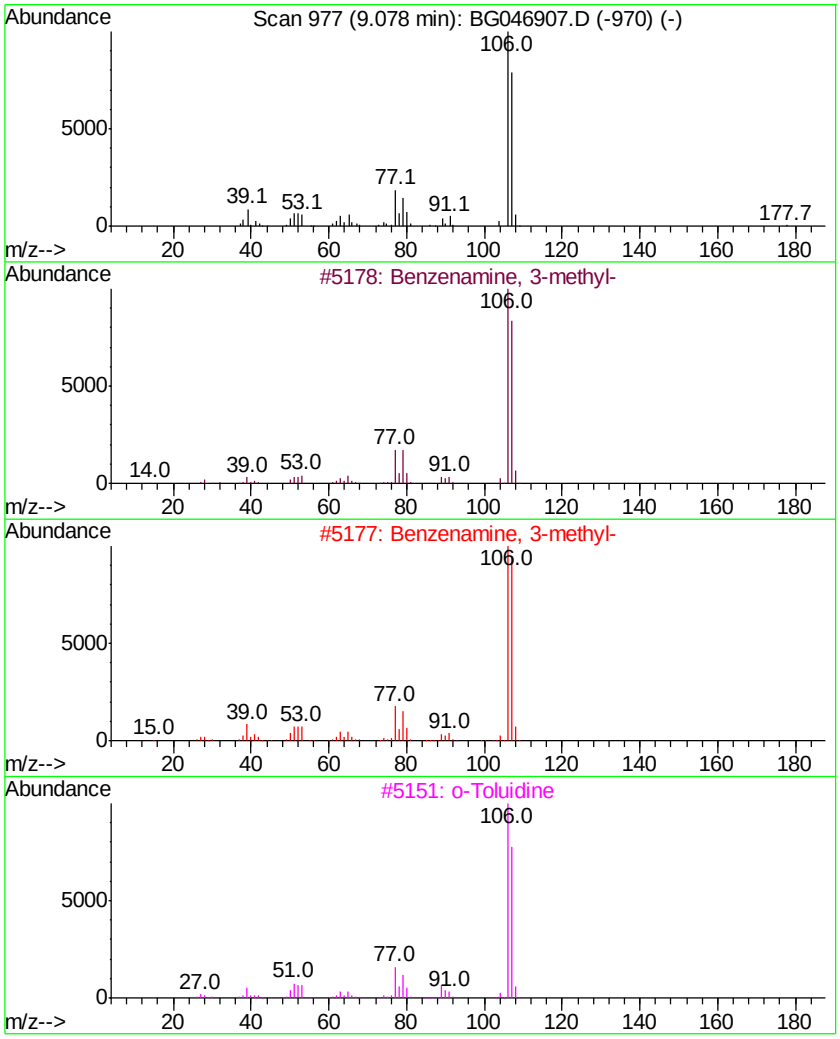
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

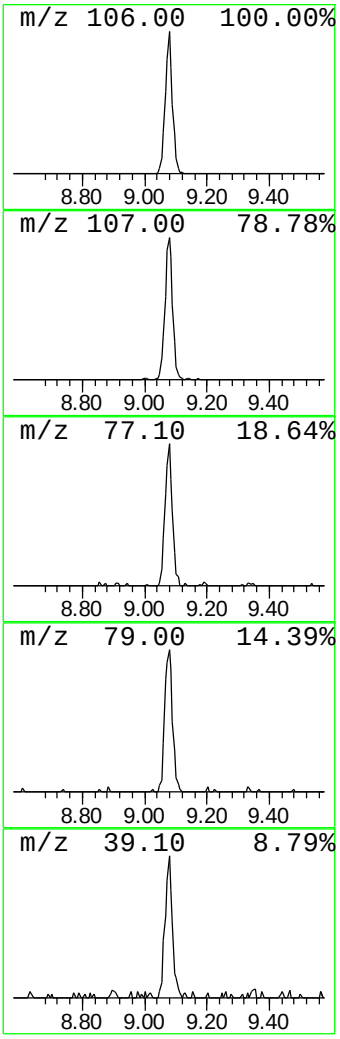
**********

Peak Number 1 Benzenamine, 3-methyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.08 | 18.08 ng/ul | 342289 | 1,4-Dichlorobenzene-d4 | 8.10 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzenamine, 3-methyl- | 107 | C7H9N | 000108-44-1 | 94 |
| 2 | Benzenamine, 3-methyl- | 107 | C7H9N | 000108-44-1 | 94 |
| 3 | o-Toluidine | 107 | C7H9N | 000095-53-4 | 93 |
| 4 | Benzenamine, 3-methyl- | 107 | C7H9N | 000108-44-1 | 91 |
| 5 | o-Toluidine | 107 | C7H9N | 000095-53-4 | 91 |



Library Search Compound Report

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Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** CB7P9DL

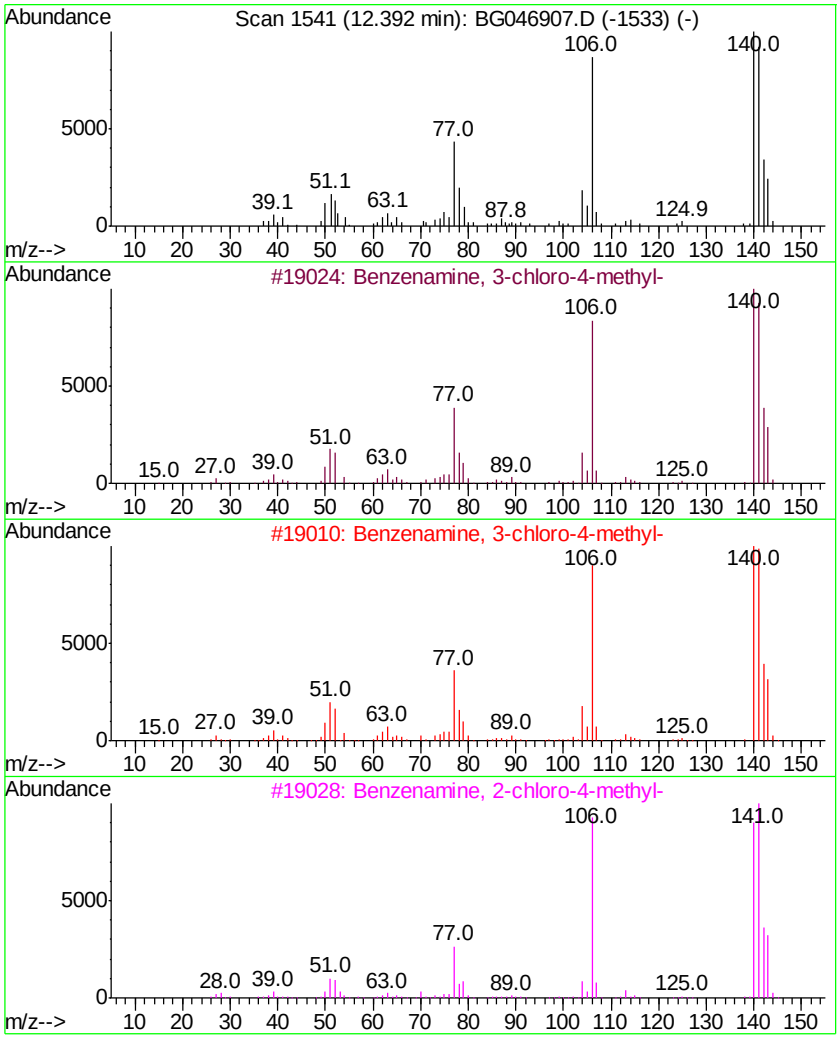
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG092920MA.M
Quant Title : SVOA CALIBRATION

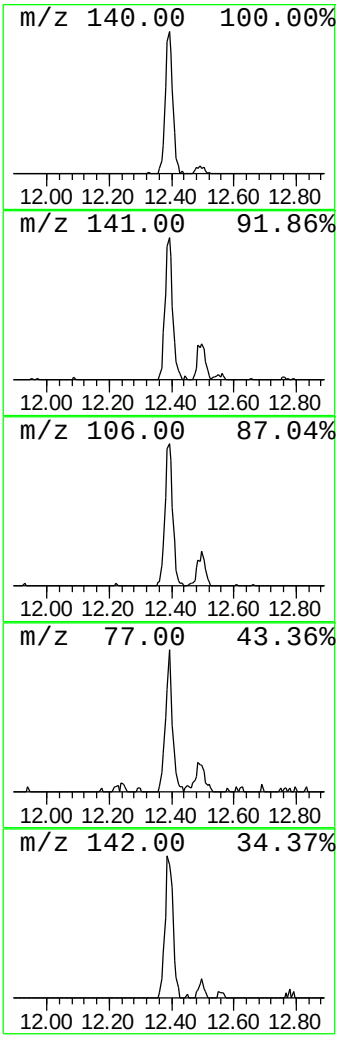
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 Benzenamine, 3-chloro-4-met... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.39 | 5.87 ng/ul | 157334 | Naphthalene-d8 | 10.91 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzenamine, 3-chloro-4-methyl- | 141 | C7H8ClN | 000095-74-9 | 98 |
| 2 | Benzenamine, 3-chloro-4-methyl- | 141 | C7H8ClN | 000095-74-9 | 96 |
| 3 | Benzenamine, 2-chloro-4-methyl- | 141 | C7H8ClN | 000615-65-6 | 93 |
| 4 | Benzenamine, 2-chloro-4-methyl- | 141 | C7H8ClN | 000615-65-6 | 93 |
| 5 | Benzenamine, 5-chloro-2-methyl- | 141 | C7H8ClN | 000095-79-4 | 83 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG101420\
Data File : BG046907.D
Acq On : 15 Oct 2020 00:30
Operator : CG/JU
Sample : L4359-14DL 5X
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**Instrument :** BNA_G
**ClientSampleId :** CB7P9DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG092920MA.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 |
| Benzenamine, 3-me... | 9.08 | 18.1 | ng/ul | 342289 | 1 | 8.10 | 378735 | 20.0 |
| Benzenamine, 3-ch... | 12.39 | 5.9 | ng/ul | 157334 | 2 | 10.91 | 536299 | 20.0 |