LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022721\
Data File : BM028946.D
Acq On : 27 Feb 2021 08:05
Operator : CG/JU
Sample : M1498-02
Misc :
ALS Vial : 35 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** CB8G1

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-BM022721MA.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 | 3.122 | 20 | 23 | 25 | rBV | 5475 | 5735 | 1.39% | 0.099% |
| 2 | 3.157 | 25 | 29 | 38 | rVB | 21020 | 27946 | 6.76% | 0.484% |
| 3 | 4.346 | 227 | 231 | 238 | rBV | 21769 | 30905 | 7.47% | 0.536% |
| 4 | 5.040 | 345 | 349 | 357 | rBB | 26470 | 38068 | 9.21% | 0.660% |
| 5 | 6.869 | 656 | 660 | 665 | rBB2 | 4619 | 5504 | 1.33% | 0.095% |
| 6 | 6.957 | 671 | 675 | 685 | rVB2 | 22575 | 40200 | 9.72% | 0.697% |
| 7 | 7.110 | 696 | 701 | 709 | rBB | 60225 | 90391 | 21.86% | 1.567% |
| 8 | 7.304 | 728 | 734 | 742 | rBV | 76167 | 117360 | 28.38% | 2.034% |
| 9 | 7.769 | 808 | 813 | 822 | rBB | 73812 | 109364 | 26.45% | 1.896% |
| 10 | 7.863 | 823 | 829 | 835 | rBB3 | 4216 | 6931 | 1.68% | 0.120% |
| 11 | 8.140 | 871 | 876 | 880 | rBB | 4846 | 6586 | 1.59% | 0.114% |
| 12 | 8.504 | 932 | 938 | 946 | rBV | 58479 | 91069 | 22.02% | 1.579% |
| 13 | 8.769 | 979 | 983 | 990 | rBB | 11244 | 16638 | 4.02% | 0.288% |
| 14 | 8.881 | 997 | 1002 | 1007 | rBV2 | 4587 | 6860 | 1.66% | 0.119% |
| 15 | 8.945 | 1007 | 1013 | 1023 | rVV | 82982 | 129679 | 31.36% | 2.248% |
| 16 | 9.287 | 1065 | 1071 | 1079 | rBB4 | 7009 | 11617 | 2.81% | 0.201% |
| 17 | 9.404 | 1086 | 1091 | 1097 | rBB4 | 6265 | 10061 | 2.43% | 0.174% |
| 18 | 9.663 | 1129 | 1135 | 1145 | rBB | 69945 | 114177 | 27.61% | 1.979% |
| 19 | 10.110 | 1204 | 1211 | 1221 | rVB3 | 5557 | 15317 | 3.70% | 0.266% |
| 20 | 10.204 | 1221 | 1227 | 1237 | rBV | 102794 | 168196 | 40.67% | 2.915% |
| 21 | 10.522 | 1276 | 1281 | 1284 | rVV | 6064 | 9719 | 2.35% | 0.168% |
| 22 | 10.569 | 1284 | 1289 | 1297 | rVV | 96777 | 155769 | 37.67% | 2.700% |
| 23 | 10.722 | 1306 | 1315 | 1326 | rBV | 83428 | 146730 | 35.48% | 2.543% |
| 24 | 11.392 | 1420 | 1429 | 1432 | rBV3 | 2492 | 5152 | 1.25% | 0.089% |
| 25 | 11.422 | 1432 | 1434 | 1440 | rVV3 | 3563 | 5402 | 1.31% | 0.094% |
| 26 | 11.786 | 1491 | 1496 | 1499 | rVV3 | 2512 | 4158 | 1.01% | 0.072% |
| 27 | 11.928 | 1512 | 1520 | 1525 | rBV2 | 11032 | 18434 | 4.46% | 0.320% |
| 28 | 12.098 | 1543 | 1549 | 1554 | rBV2 | 4487 | 8656 | 2.09% | 0.150% |
| 29 | 12.310 | 1578 | 1585 | 1588 | rBV3 | 2163 | 3980 | 0.96% | 0.069% |
| 30 | 12.586 | 1628 | 1632 | 1637 | rBV4 | 4510 | 6678 | 1.61% | 0.116% |
| 31 | 13.022 | 1702 | 1706 | 1715 | rVB4 | 2603 | 5917 | 1.43% | 0.103% |
| 32 | 13.239 | 1737 | 1743 | 1747 | rBV5 | 3978 | 7108 | 1.72% | 0.123% |
| 33 | 13.322 | 1754 | 1757 | 1763 | rVB2 | 6323 | 8328 | 2.01% | 0.144% |
| 34 | 13.392 | 1765 | 1769 | 1774 | rVB3 | 3065 | 4301 | 1.04% | 0.075% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022721\
Data File : BM028946.D
Acq On : 27 Feb 2021 08:05
Operator : CG/JU
Sample : M1498-02
Misc :
ALS Vial : 35 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** CB8G1

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-BM022721MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 13.486 | 1781 | 1785 | 1789 | rBV3 | 4224 | 5775 | 1.40% | 0.100% |
| 36 | 13.622 | 1805 | 1808 | 1812 | rBV5 | 2230 | 3942 | 0.95% | 0.068% |
| 37 | 13.669 | 1812 | 1816 | 1822 | rVB6 | 3952 | 6048 | 1.46% | 0.105% |
| 38 | 13.851 | 1839 | 1847 | 1852 | rVV | 173481 | 237353 | 57.39% | 4.114% |
| 39 | 13.898 | 1852 | 1855 | 1859 | rVB | 14189 | 16539 | 4.00% | 0.287% |
| 40 | 14.004 | 1867 | 1873 | 1874 | rBV6 | 2562 | 4491 | 1.09% | 0.078% |
| 41 | 14.080 | 1882 | 1886 | 1889 | rBV5 | 5570 | 7383 | 1.79% | 0.128% |
| 42 | 14.127 | 1889 | 1894 | 1900 | rVV | 198081 | 281940 | 68.18% | 4.887% |
| 43 | 14.263 | 1913 | 1917 | 1923 | rBV | 9054 | 14535 | 3.51% | 0.252% |
| 44 | 14.363 | 1929 | 1934 | 1939 | rBV3 | 17085 | 24805 | 6.00% | 0.430% |
| 45 | 14.433 | 1940 | 1946 | 1953 | rVB | 135193 | 195793 | 47.34% | 3.394% |
| 46 | 14.498 | 1953 | 1957 | 1961 | rBV2 | 8047 | 11013 | 2.66% | 0.191% |
| 47 | 14.692 | 1985 | 1990 | 1999 | rBV | 14599 | 32737 | 7.92% | 0.567% |
| 48 | 14.874 | 2017 | 2021 | 2024 | rVB3 | 4319 | 5948 | 1.44% | 0.103% |
| 49 | 15.051 | 2046 | 2051 | 2059 | rBV10 | 5424 | 12092 | 2.92% | 0.210% |
| 50 | 15.186 | 2069 | 2074 | 2083 | rBV | 51799 | 83110 | 20.10% | 1.441% |
| 51 | 15.263 | 2083 | 2087 | 2092 | rVB | 7035 | 11238 | 2.72% | 0.195% |
| 52 | 15.316 | 2092 | 2096 | 2099 | rBV2 | 5460 | 6978 | 1.69% | 0.121% |
| 53 | 15.345 | 2099 | 2101 | 2106 | rVB4 | 3522 | 4473 | 1.08% | 0.078% |
| 54 | 15.427 | 2109 | 2115 | 2121 | rBV | 252704 | 353852 | 85.57% | 6.134% |
| 55 | 15.486 | 2121 | 2125 | 2129 | rVB4 | 6046 | 9880 | 2.39% | 0.171% |
| 56 | 15.574 | 2132 | 2140 | 2149 | rBV | 62178 | 94210 | 22.78% | 1.633% |
| 57 | 15.663 | 2151 | 2155 | 2158 | rBV | 10599 | 14254 | 3.45% | 0.247% |
| 58 | 15.692 | 2158 | 2160 | 2162 | rVB3 | 5110 | 4002 | 0.97% | 0.069% |
| 59 | 15.851 | 2184 | 2187 | 2191 | rVB3 | 5830 | 7112 | 1.72% | 0.123% |
| 60 | 15.892 | 2191 | 2194 | 2198 | rBV5 | 2584 | 3927 | 0.95% | 0.068% |
| 61 | 15.957 | 2199 | 2205 | 2215 | rBV | 92518 | 129068 | 31.21% | 2.237% |
| 62 | 16.110 | 2226 | 2231 | 2235 | rVV3 | 6472 | 10429 | 2.52% | 0.181% |
| 63 | 16.151 | 2235 | 2238 | 2243 | rVB5 | 4219 | 5942 | 1.44% | 0.103% |
| 64 | 16.286 | 2257 | 2261 | 2264 | rBV3 | 4567 | 7411 | 1.79% | 0.128% |
| 65 | 16.468 | 2287 | 2292 | 2296 | rBV | 46349 | 62008 | 14.99% | 1.075% |
| 66 | 16.510 | 2297 | 2299 | 2308 | rVB4 | 5711 | 7656 | 1.85% | 0.133% |
| 67 | 16.598 | 2310 | 2314 | 2317 | rBV6 | 2712 | 4000 | 0.97% | 0.069% |
| 68 | 16.733 | 2333 | 2337 | 2344 | rBV | 11212 | 17012 | 4.11% | 0.295% |
| 69 | 17.039 | 2385 | 2389 | 2391 | rBV5 | 3019 | 4639 | 1.12% | 0.080% |
| 70 | 17.174 | 2407 | 2412 | 2419 | rVV | 147975 | 209449 | 50.65% | 3.631% |
| 71 | 17.274 | 2424 | 2429 | 2435 | rBV | 268664 | 362564 | 87.67% | 6.285% |

LSC Area Percent Report

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Acq On : 27 Feb 2021 08:05
Operator : CG/JU
Sample : M1498-02
Misc :
ALS Vial : 35 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** CB8G1

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-BM022721MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 17.404 | 2447 | 2451 | 2456 | rBV5 | 3219 | 5594 | 1.35% | 0.097% |
| 73 | 17.468 | 2456 | 2462 | 2468 | rBV8 | 3837 | 9535 | 2.31% | 0.165% |
| 74 | 17.939 | 2538 | 2542 | 2546 | rBV4 | 3545 | 5920 | 1.43% | 0.103% |
| 75 | 18.068 | 2559 | 2564 | 2571 | rBV | 94452 | 132082 | 31.94% | 2.289% |
| 76 | 18.209 | 2585 | 2588 | 2591 | rBV4 | 2699 | 4003 | 0.97% | 0.069% |
| 77 | 18.545 | 2641 | 2645 | 2651 | rVB | 6938 | 11372 | 2.75% | 0.197% |
| 78 | 18.645 | 2660 | 2662 | 2673 | rVB8 | 5100 | 8467 | 2.05% | 0.147% |
| 79 | 18.809 | 2685 | 2690 | 2694 | rBV | 45863 | 61397 | 14.85% | 1.064% |
| 80 | 18.845 | 2694 | 2696 | 2701 | rVB4 | 11998 | 15159 | 3.67% | 0.263% |
| 81 | 18.898 | 2701 | 2705 | 2709 | rVB | 12304 | 14027 | 3.39% | 0.243% |
| 82 | 18.962 | 2713 | 2716 | 2722 | rVB5 | 3441 | 6688 | 1.62% | 0.116% |
| 83 | 19.198 | 2753 | 2756 | 2758 | rBV3 | 6884 | 9251 | 2.24% | 0.160% |
| 84 | 19.280 | 2767 | 2770 | 2774 | rVB2 | 6999 | 8087 | 1.96% | 0.140% |
| 85 | 19.345 | 2777 | 2781 | 2788 | rBV | 60802 | 79369 | 19.19% | 1.376% |
| 86 | 19.445 | 2794 | 2798 | 2802 | rVB2 | 12086 | 14855 | 3.59% | 0.257% |
| 87 | 19.562 | 2812 | 2818 | 2823 | rBV | 299048 | 396549 | 95.89% | 6.874% |
| 88 | 19.615 | 2823 | 2827 | 2835 | rVB | 160183 | 210806 | 50.98% | 3.654% |
| 89 | 19.974 | 2884 | 2888 | 2893 | rBV3 | 5833 | 8759 | 2.12% | 0.152% |
| 90 | 20.450 | 2967 | 2969 | 2973 | rVB | 5078 | 4407 | 1.07% | 0.076% |
| 91 | 20.580 | 2988 | 2991 | 2995 | rBV3 | 11503 | 13978 | 3.38% | 0.242% |
| 92 | 20.662 | 3001 | 3005 | 3009 | rBV | 10539 | 13613 | 3.29% | 0.236% |
| 93 | 21.045 | 3066 | 3070 | 3077 | rBV | 65624 | 76285 | 18.45% | 1.322% |
| 94 | 21.339 | 3115 | 3120 | 3127 | rBV | 177910 | 223334 | 54.00% | 3.871% |
| 95 | 21.897 | 3213 | 3215 | 3218 | rBV2 | 10310 | 11293 | 2.73% | 0.196% |
| 96 | 22.350 | 3289 | 3292 | 3300 | rVB3 | 16572 | 25746 | 6.23% | 0.446% |
| 97 | 22.844 | 3373 | 3376 | 3381 | rVB | 21990 | 28269 | 6.84% | 0.490% |
| 98 | 23.397 | 3464 | 3470 | 3477 | rBV | 239204 | 413547 | 100.00% | 7.168% |
| 99 | 23.539 | 3488 | 3494 | 3502 | rVB2 | 113552 | 208717 | 50.47% | 3.618% |
| 100 | 24.021 | 3572 | 3576 | 3581 | rVB | 24510 | 41403 | 10.01% | 0.718% |

Sum of corrected areas: 5769056

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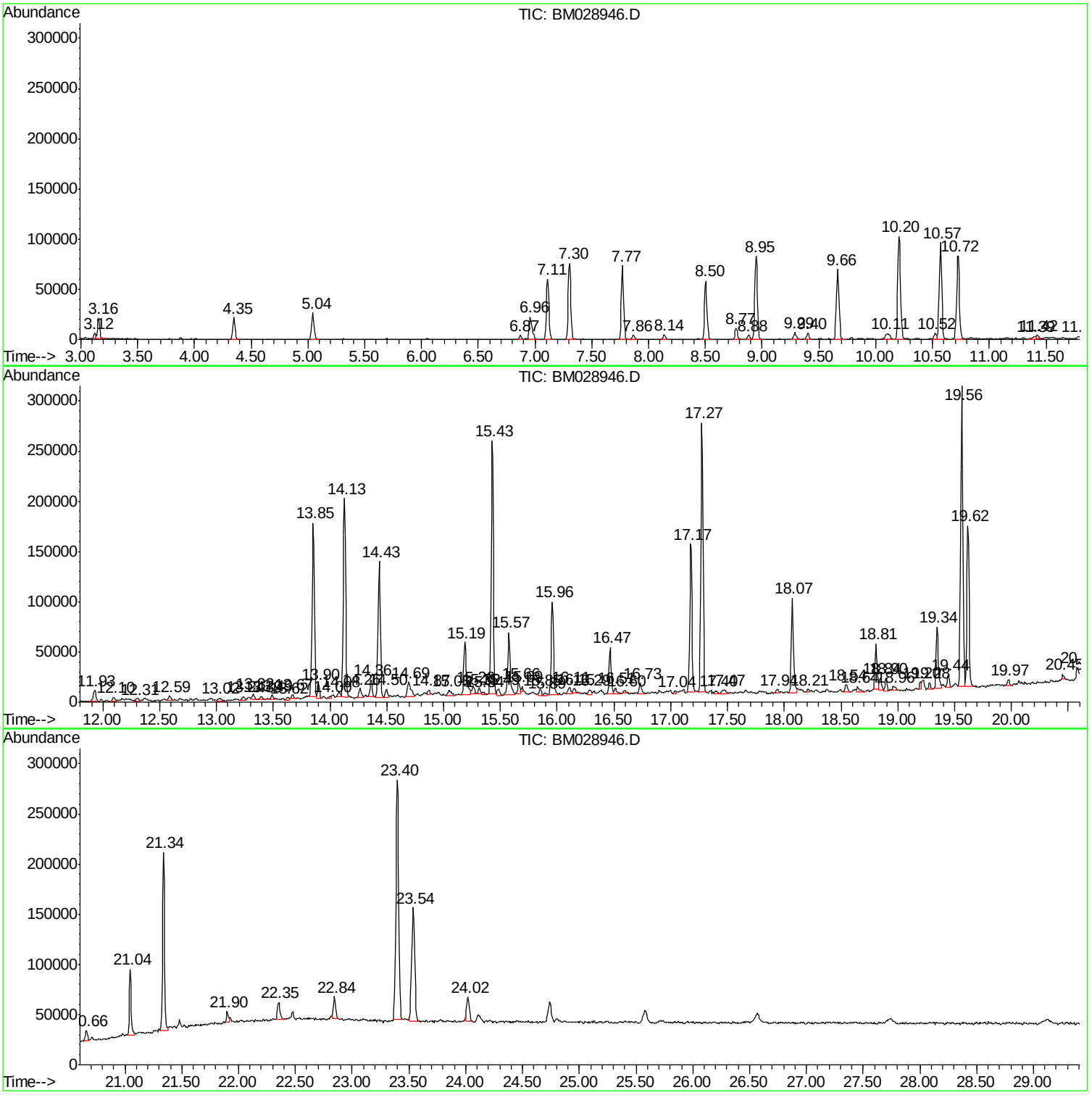
Sample : M1498-02
Misc :
ALS Vial : 35 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** CB8G1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM022721MA.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022721\
Data File : BM028946.D
Acq On : 27 Feb 2021 08:05
Operator : CG/JU
Sample : M1498-02
Misc :
ALS Vial : 35 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** CB8G1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM022721MA.M
Quant Title : SVOA CALIBRATION

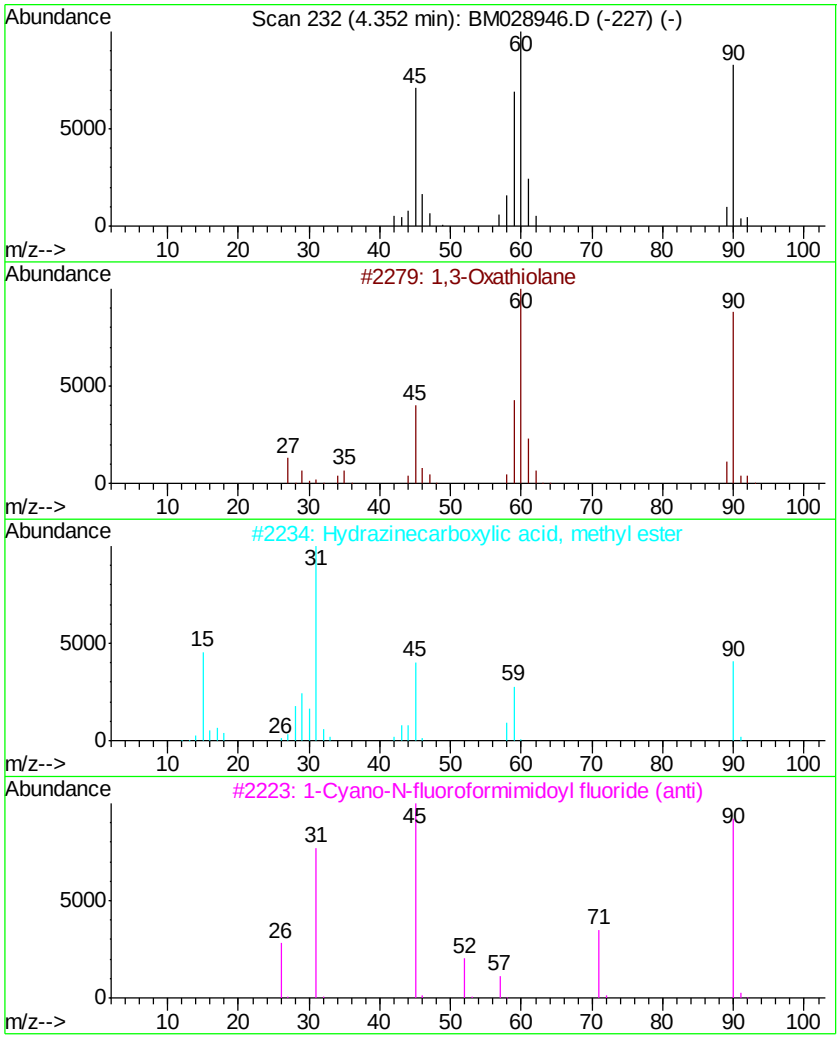
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

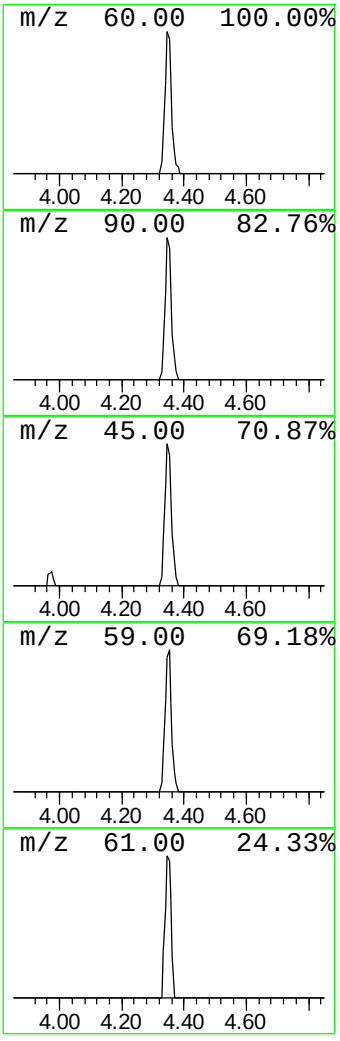
**********

Peak Number 1 1,3-Oxathiolane Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.35 | 5.65 ng/ul | 30905 | 1,4-Dichlorobenzene-d4 | 7.77 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,3-Oxathiolane | 90 | C3H6OS | 002094-97-5 | 87 |
| 2 | Hydrazinecarboxylic acid, methyl... | 90 | C2H6N2O2 | 006294-89-9 | 59 |
| 3 | 1-Cyano-N-fluoroformimidoyl fluo... | 90 | C2F2N2 | 014011-05-3 | 40 |
| 4 | 3-Thietanol | 90 | C3H6OS | 010304-16-2 | 40 |
| 5 | Hydrazinecarboxylic acid, methyl... | 90 | C2H6N2O2 | 006294-89-9 | 38 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022721\
Data File : BM028946.D
Acq On : 27 Feb 2021 08:05
Operator : CG/JU
Sample : M1498-02
Misc :
ALS Vial : 35 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** CB8G1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM022721MA.M
Quant Title : SVOA CALIBRATION

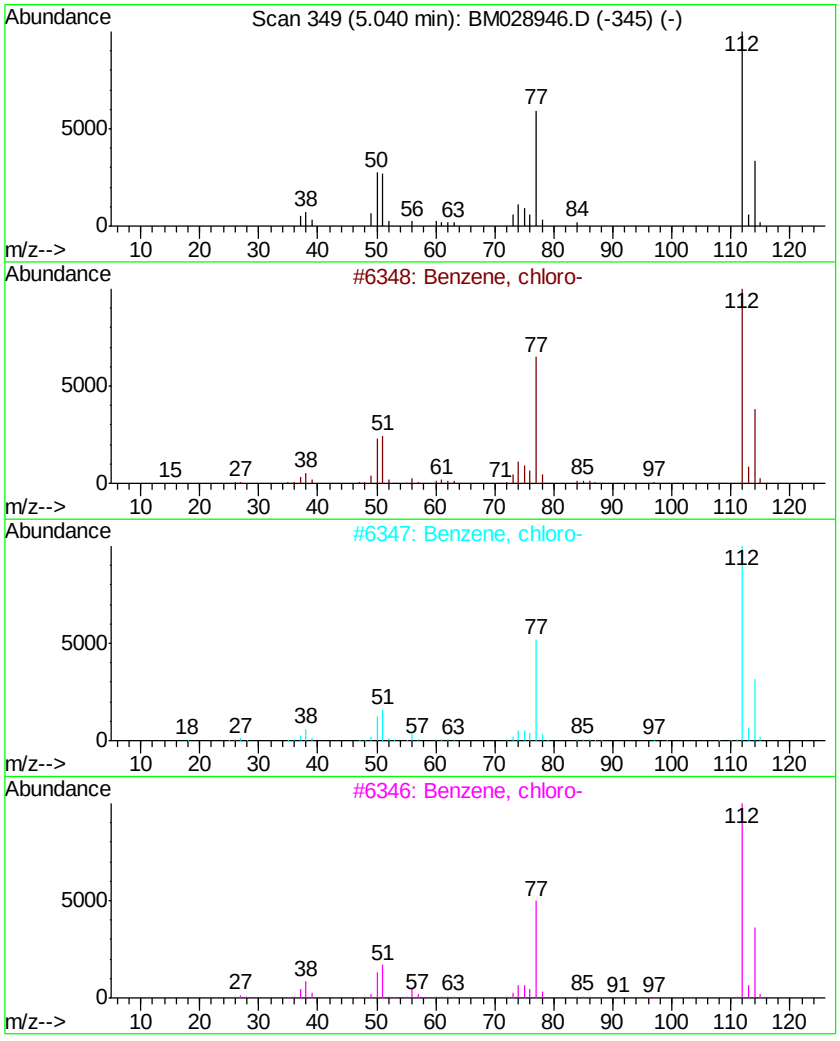
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

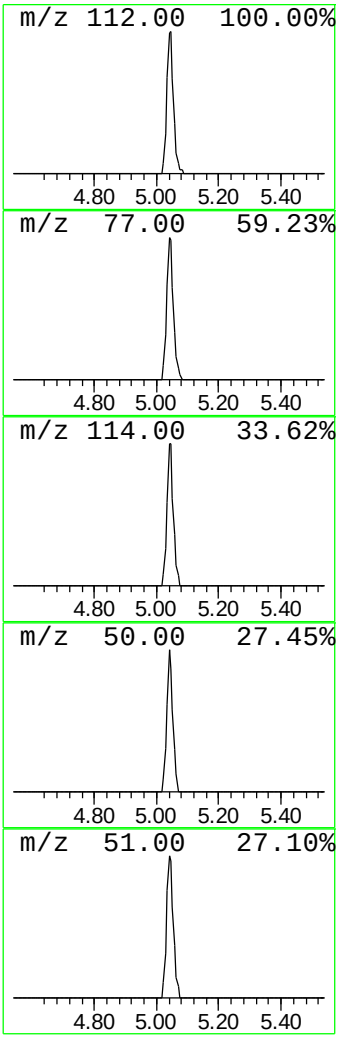
**********

Peak Number 2 Benzene, chloro- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.04 | 6.96 ng/ul | 38068 | 1,4-Dichlorobenzene-d4 | 7.77 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, chloro- | 112 | C6H5Cl | 000108-90-7 | 94 |
| 2 | Benzene, chloro- | 112 | C6H5Cl | 000108-90-7 | 91 |
| 3 | Benzene, chloro- | 112 | C6H5Cl | 000108-90-7 | 91 |
| 4 | Benzene, chloro- | 112 | C6H5Cl | 000108-90-7 | 86 |
| 5 | Phenol, 3-fluoro- | 112 | C6H5FO | 000372-20-3 | 16 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022721\
Data File : BM028946.D
Acq On : 27 Feb 2021 08:05
Operator : CG/JU
Sample : M1498-02
Misc :
ALS Vial : 35 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** CB8G1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM022721MA.M
Quant Title : SVOA CALIBRATION

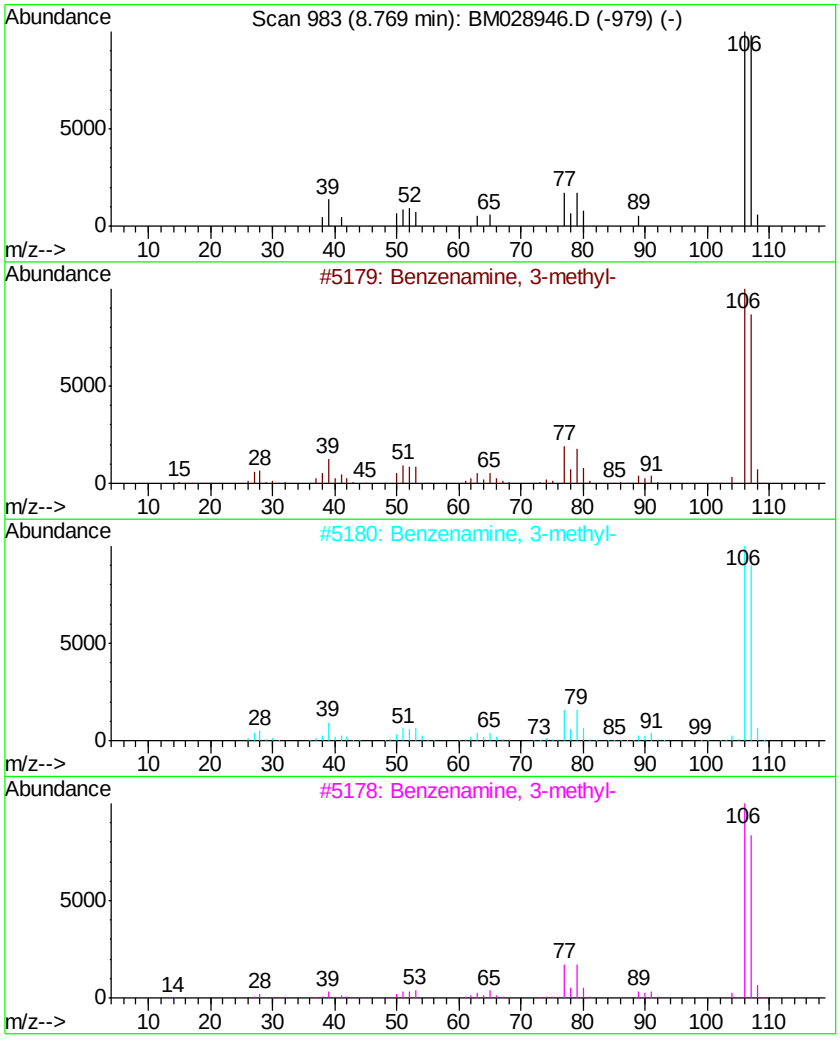
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

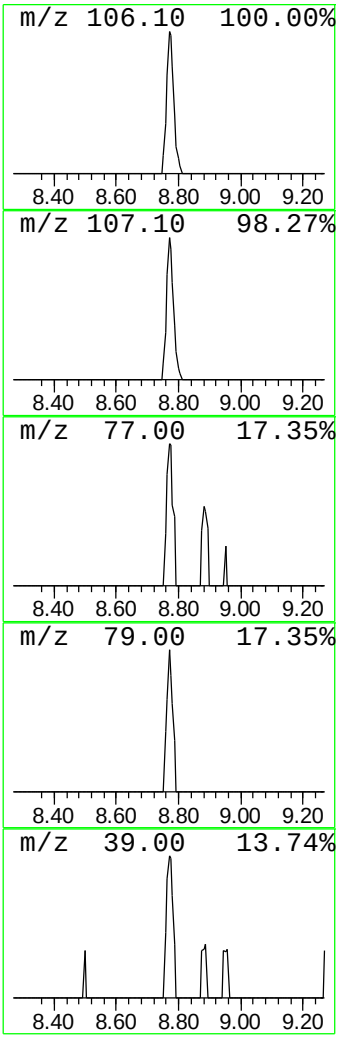
**********

Peak Number 3 Benzenamine, 3-methyl- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.77 | 3.04 ng/ul | 16638 | 1,4-Dichlorobenzene-d4 | 7.77 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzenamine, 3-methyl- | 107 | C7H9N | 000108-44-1 | 91 |
| 2 | Benzenamine, 3-methyl- | 107 | C7H9N | 000108-44-1 | 91 |
| 3 | Benzenamine, 3-methyl- | 107 | C7H9N | 000108-44-1 | 91 |
| 4 | Benzenamine, 3-methyl- | 107 | C7H9N | 000108-44-1 | 91 |
| 5 | Benzenamine, 3-methyl- | 107 | C7H9N | 000108-44-1 | 87 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022721\
Data File : BM028946.D
Acq On : 27 Feb 2021 08:05
Operator : CG/JU
Sample : M1498-02
Misc :
ALS Vial : 35 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** CB8G1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM022721MA.M
Quant Title : SVOA CALIBRATION

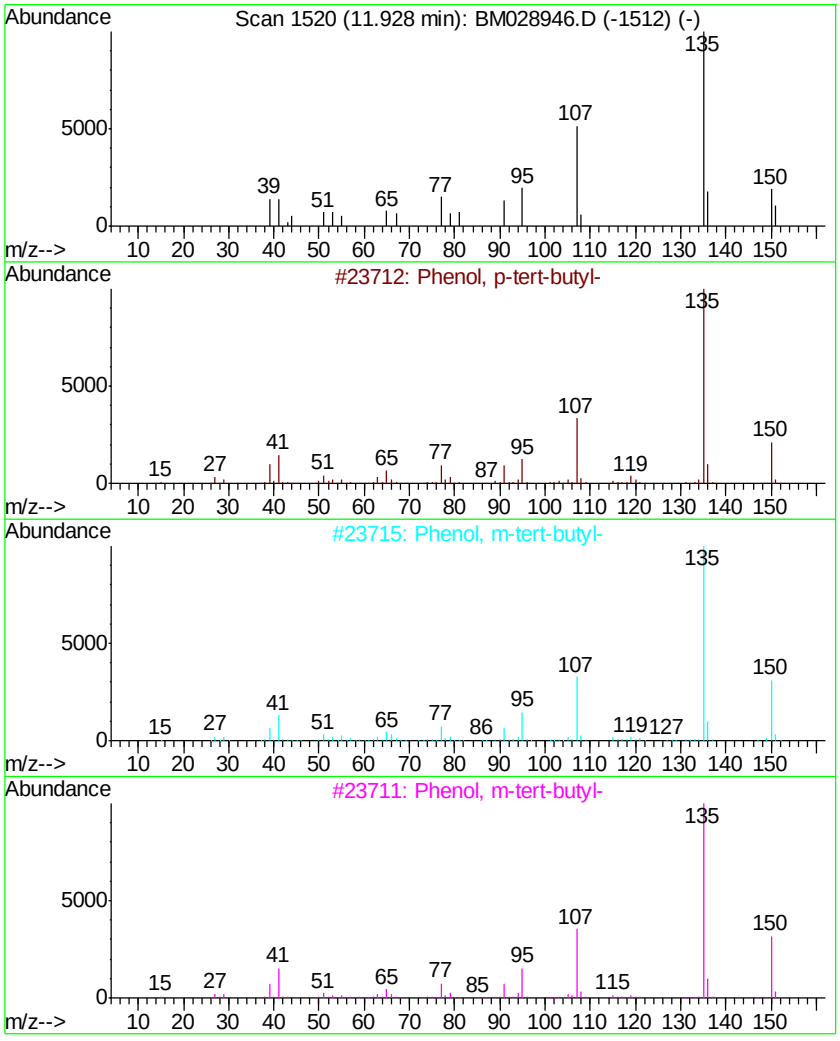
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

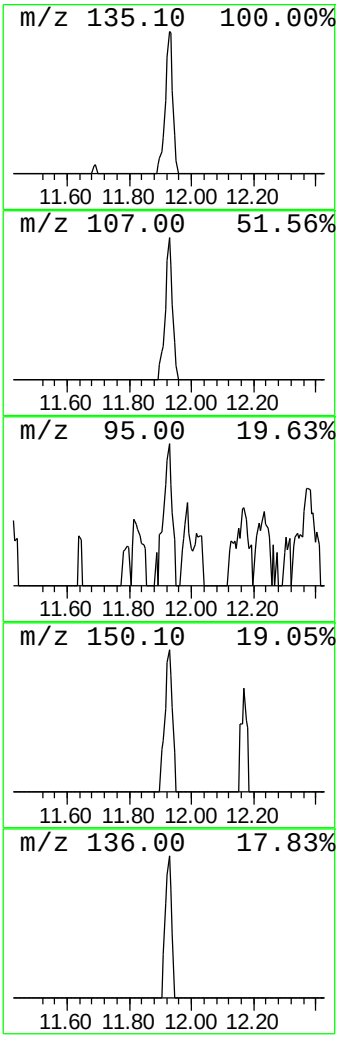
**********

Peak Number 4 Phenol, p-tert-butyl- Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.93 | 2.37 ng/ul | 18434 | Naphthalene-d8 | 10.57 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, p-tert-butyl- | 150 | C10H14O | 000098-54-4 | 90 |
| 2 | Phenol, m-tert-butyl- | 150 | C10H14O | 000585-34-2 | 83 |
| 3 | Phenol, m-tert-butyl- | 150 | C10H14O | 000585-34-2 | 78 |
| 4 | Phenol, m-tert-butyl- | 150 | C10H14O | 000585-34-2 | 72 |
| 5 | Phenol, p-tert-butyl- | 150 | C10H14O | 000098-54-4 | 72 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022721\
Data File : BM028946.D
Acq On : 27 Feb 2021 08:05
Operator : CG/JU
Sample : M1498-02
Misc :
ALS Vial : 35 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** CB8G1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM022721MA.M
Quant Title : SVOA CALIBRATION

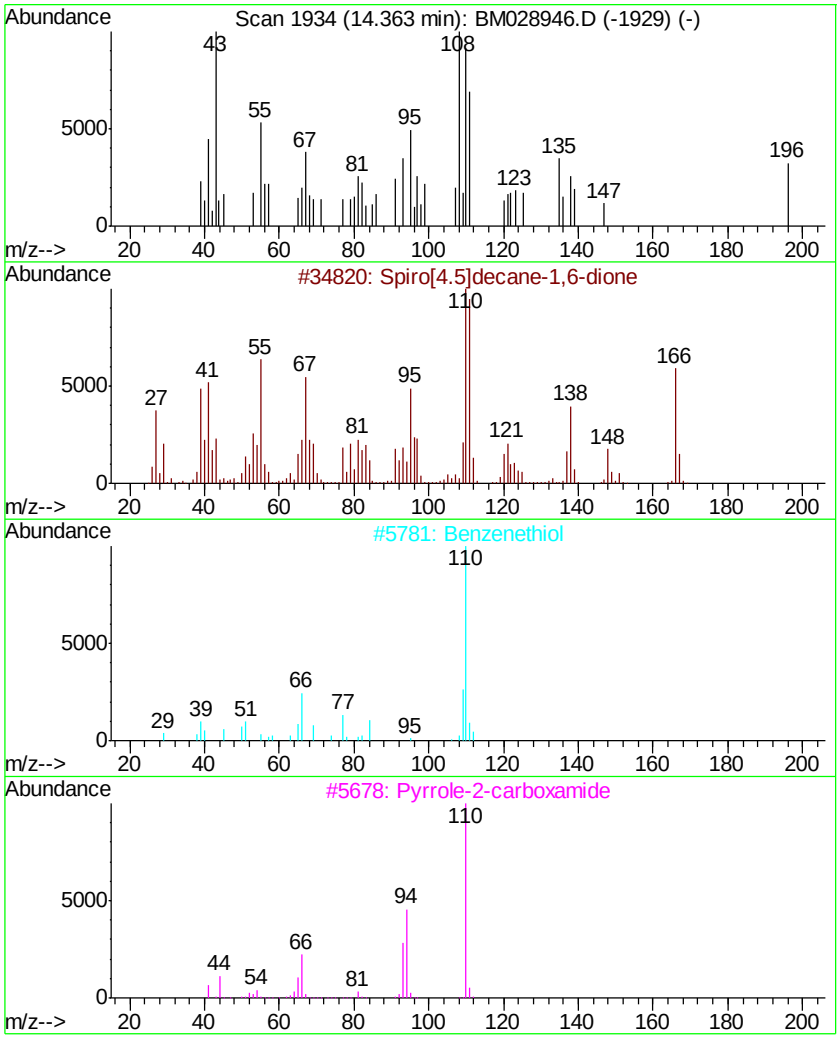
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

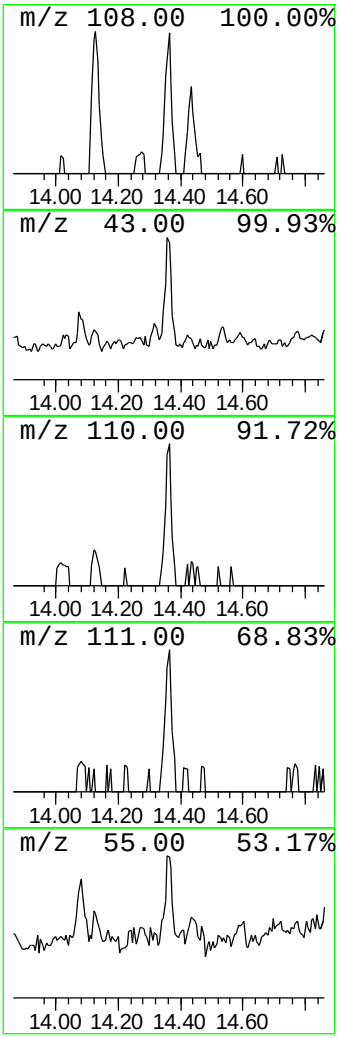
**********

Peak Number 5 unknown-01 Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.36 | 2.53 ng/ul | 24805 | Acenaphthene-d10 | 14.43 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Spiro[4.5]decane-1,6-dione | 166 | C10H14O2 | 036803-48-2 | 43 |
| 2 | Benzenethiol | 110 | C6H6S | 000108-98-5 | 30 |
| 3 | Pyrrole-2-carboxamide | 110 | C5H6N2O | 004551-72-8 | 27 |
| 4 | Benzenethiol | 110 | C6H6S | 000108-98-5 | 27 |
| 5 | Bicyclo[2.2.1]heptane, exo-2-met... | 168 | C10H16O2 | 1000138-90-3 | 22 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022721\
Data File : BM028946.D
Acq On : 27 Feb 2021 08:05
Operator : CG/JU
Sample : M1498-02
Misc :
ALS Vial : 35 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** CB8G1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM022721MA.M
Quant Title : SVOA CALIBRATION

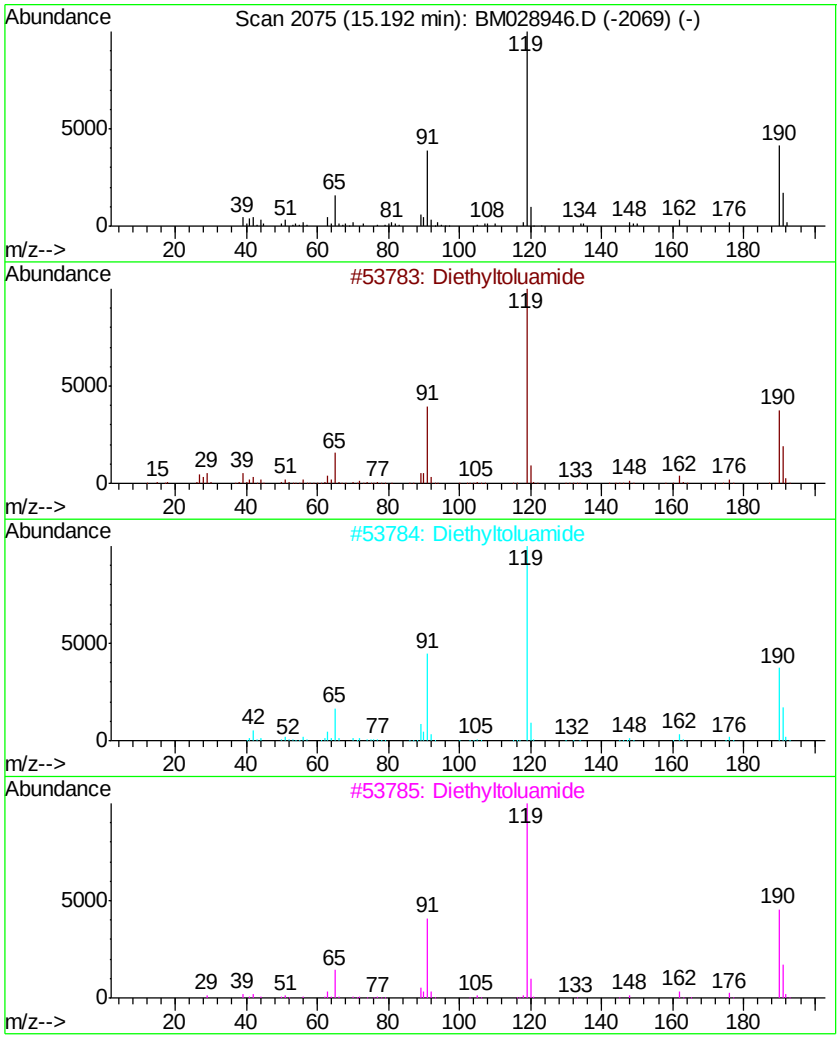
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

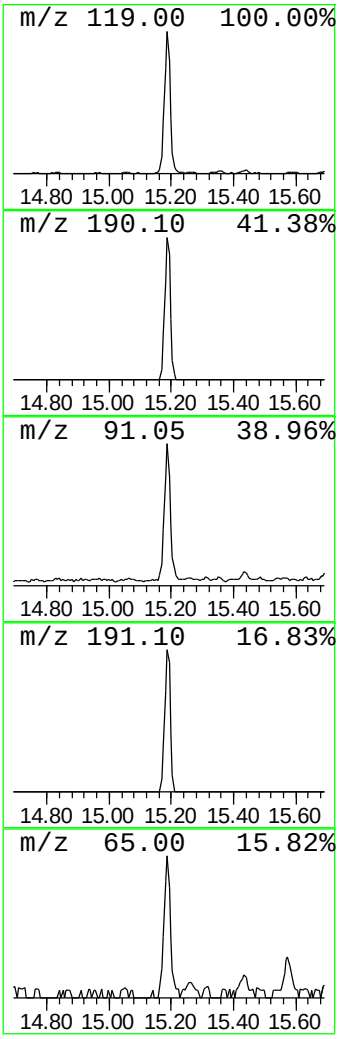
**********

Peak Number 6 Diethyltoluamide Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.19 | 8.49 ng/ul | 83110 | Acenaphthene-d10 | 14.43 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Diethyltoluamide | 191 | C12H17NO | 000134-62-3 | 96 |
| 2 | Diethyltoluamide | 191 | C12H17NO | 000134-62-3 | 96 |
| 3 | Diethyltoluamide | 191 | C12H17NO | 000134-62-3 | 96 |
| 4 | Benzamide, N,N-diethyl-4-methyl- | 191 | C12H17NO | 002728-05-4 | 91 |
| 5 | Diethyltoluamide | 191 | C12H17NO | 000134-62-3 | 86 |



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Data File : BM028946.D
Acq On : 27 Feb 2021 08:05
Operator : CG/JU
Sample : M1498-02
Misc :
ALS Vial : 35 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** CB8G1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM022721MA.M
Quant Title : SVOA CALIBRATION

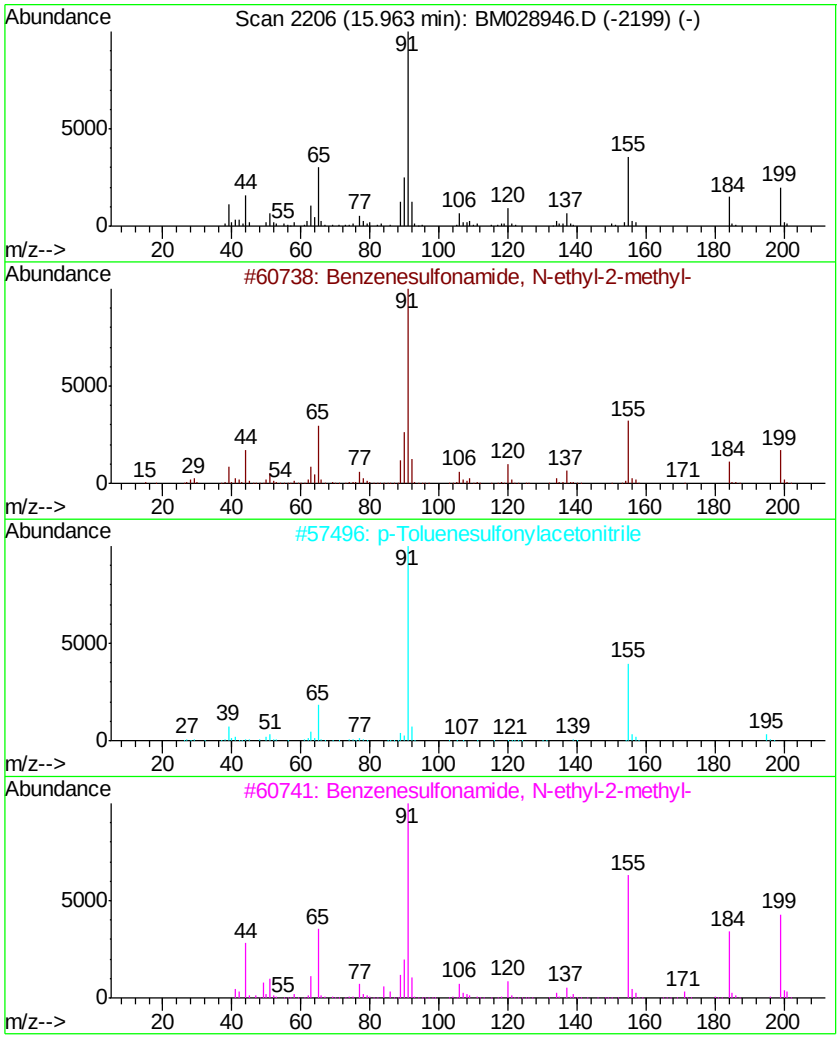
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

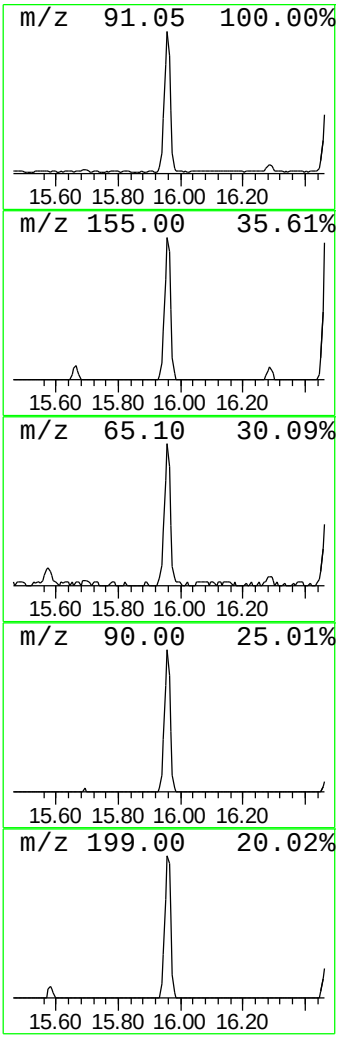
**********

Peak Number 7 Benzenesulfonamide, N-ethyl... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.96 | 12.32 ng/ul | 129068 | Phenanthrene-d10 | 17.17 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzenesulfonamide, N-ethyl-2-me... | 199 | C9H13NO2S | 001077-56-1 | 99 |
| 2 | p-Toluenesulfonylacetonitrile | 195 | C9H9NO2S | 005697-44-9 | 47 |
| 3 | Benzenesulfonamide, N-ethyl-2-me... | 199 | C9H13NO2S | 001077-56-1 | 47 |
| 4 | p-Toluenesulfonylacetonitrile | 195 | C9H9NO2S | 005697-44-9 | 47 |
| 5 | Benzenesulfonic acid, 4-methyl-,... | 200 | C9H12O3S | 000080-40-0 | 46 |



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Data File : BM028946.D
Acq On : 27 Feb 2021 08:05
Operator : CG/JU
Sample : M1498-02
Misc :
ALS Vial : 35 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** CB8G1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM022721MA.M
Quant Title : SVOA CALIBRATION

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

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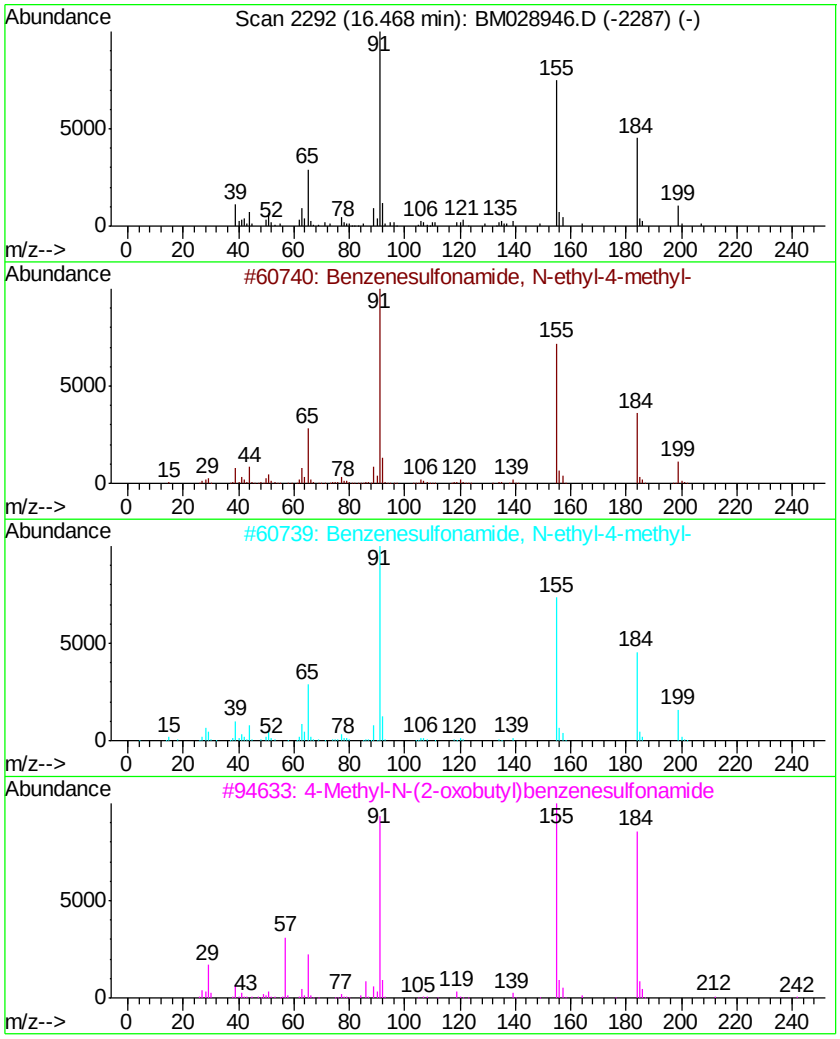
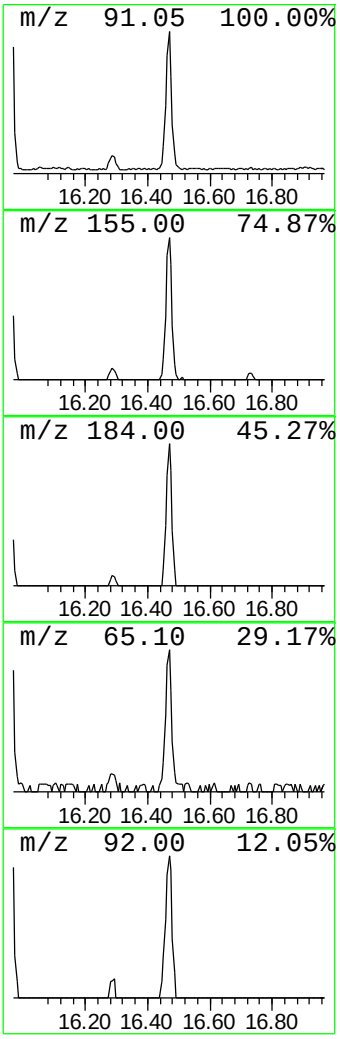
Peak Number 8 Benzenesulfonamide, N-ethyl... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.47 | 5.92 ng/ul | 62008 | Phenanthrene-d10 | 17.17 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzenesulfonamide, N-ethyl-4-me... | 199 | C9H13NO2S | 000080-39-7 | 98 |
| 2 | Benzenesulfonamide, N-ethyl-4-me... | 199 | C9H13NO2S | 000080-39-7 | 95 |
| 3 | 4-Methyl-N-(2-oxobutyl)benzenesu... | 241 | C11H15NO3S | 1000192-14-5 | 86 |
| 4 | 4-Methyl-N-[2-(3-nitro-[1,2,4]tr... | 311 | C11H13N5O4S | 1000301-03-5 | 83 |
| 5 | 4-Toluenesulfonylmethyl isocyanide | 195 | C9H9NO2S | 036635-61-7 | 58 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022721\
Data File : BM028946.D
Acq On : 27 Feb 2021 08:05
Operator : CG/JU
Sample : M1498-02
Misc :
ALS Vial : 35 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** CB8G1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM022721MA.M
Quant Title : SVOA CALIBRATION

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

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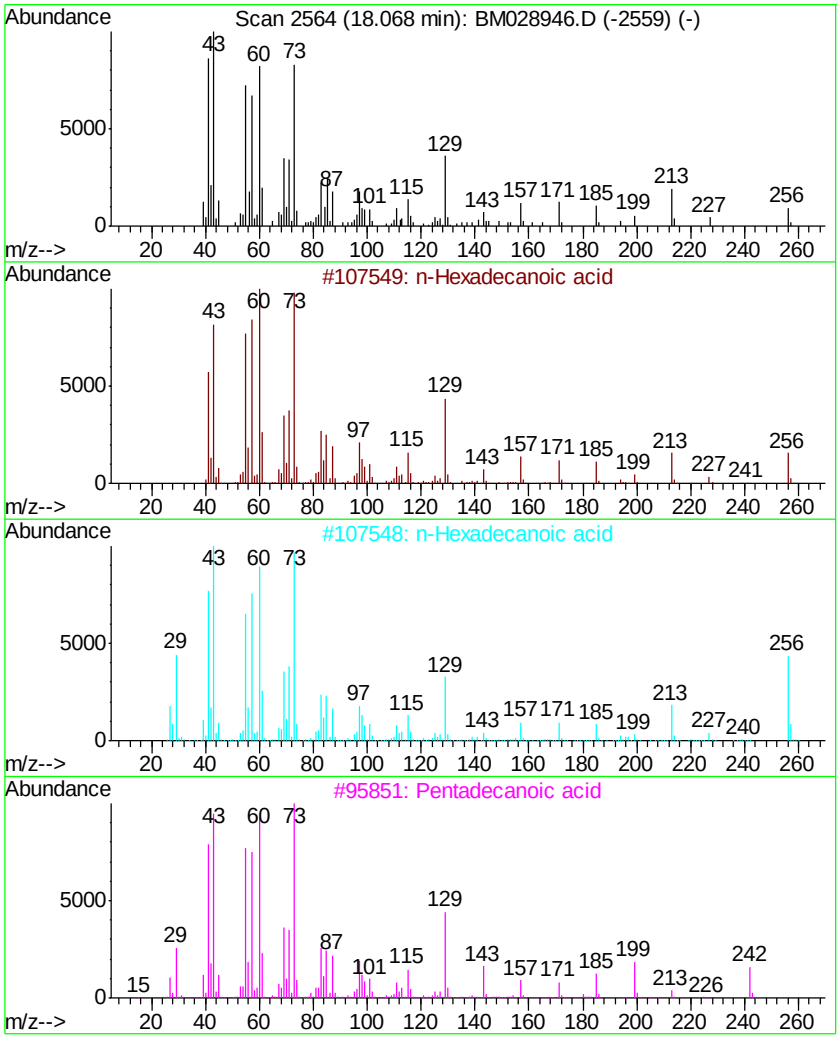
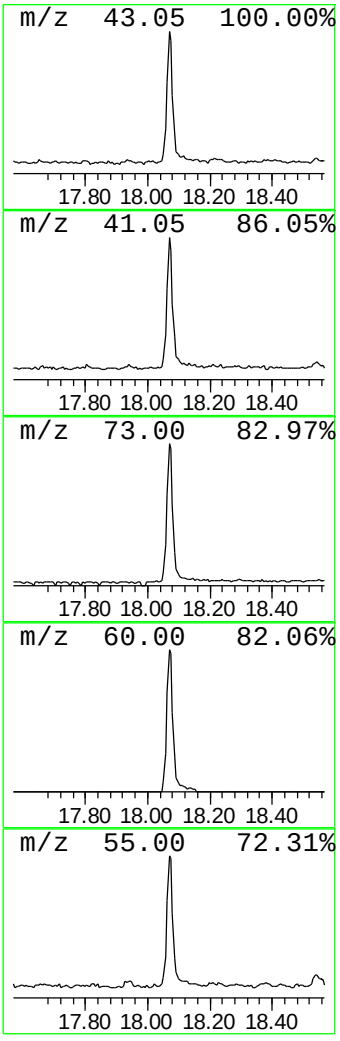
Peak Number 9 n-Hexadecanoic acid Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.07 | 12.61 ng/ul | 132082 | Phenanthrene-d10 | 17.17 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 98 |
| 2 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 93 |
| 3 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 90 |
| 4 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 76 |
| 5 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 76 |



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Data File : BM028946.D
Acq On : 27 Feb 2021 08:05
Operator : CG/JU
Sample : M1498-02
Misc :
ALS Vial : 35 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** CB8G1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM022721MA.M
Quant Title : SVOA CALIBRATION

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

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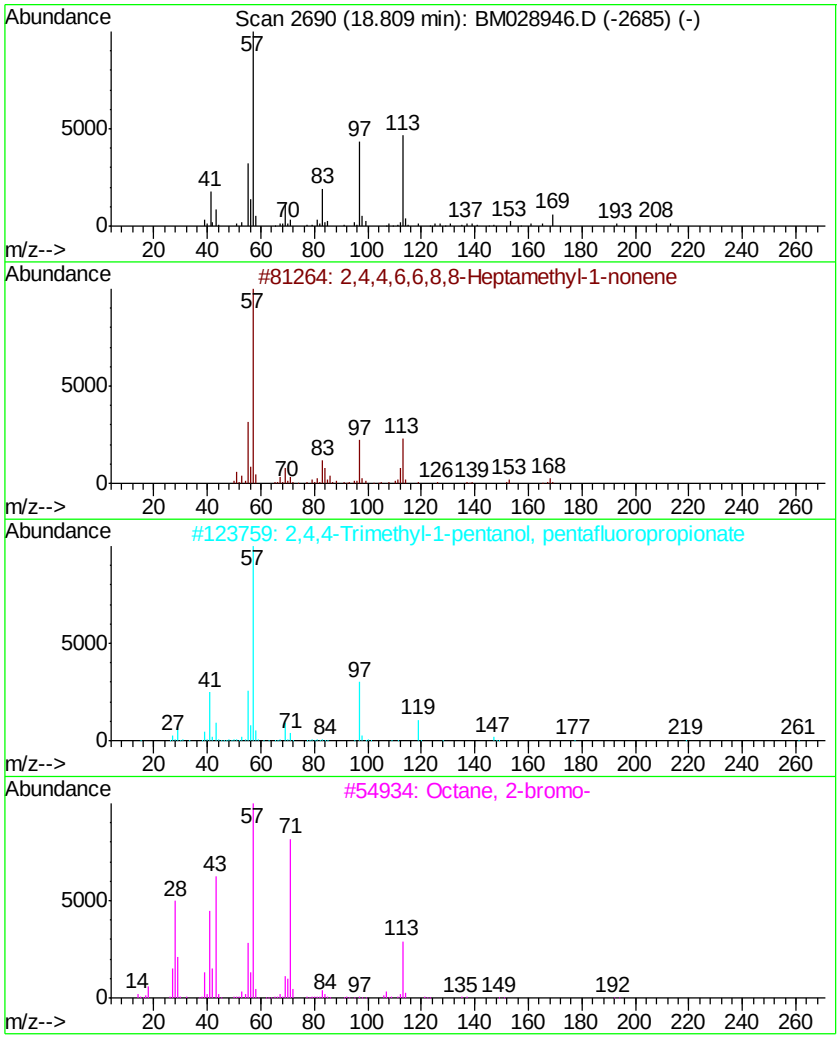
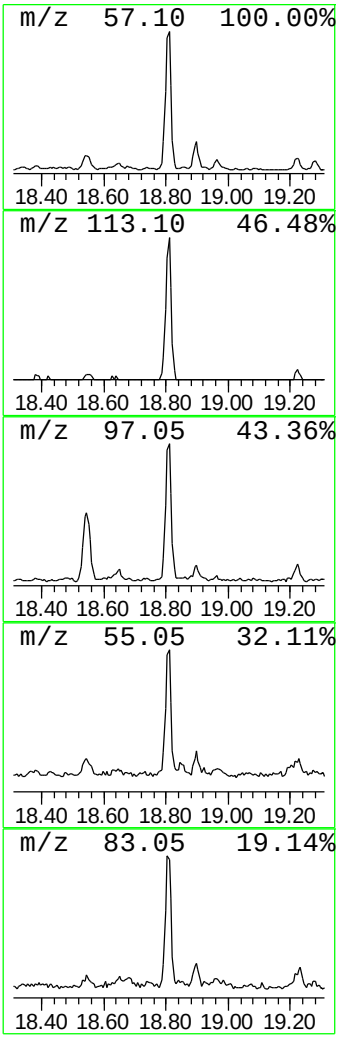
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.81 | 5.86 ng/ul | 61397 | Phenanthrene-d10 | 17.17 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,4,4,6,6,8,8-Heptamethyl-1-nonene | 224 | C16H32 | 015796-04-0 | 72 |
| 2 | 2,4,4-Trimethyl-1-pentanol, pent... | 276 | C11H17F5O2 | 1000365-51-0 | 38 |
| 3 | Octane, 2-bromo- | 192 | C8H17Br | 000557-35-7 | 37 |
| 4 | Octane, 2-bromo- | 192 | C8H17Br | 000557-35-7 | 37 |
| 5 | 1-Pentanol, 3-methyl-2-propyl- | 144 | C9H20O | 054004-40-9 | 28 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022721\
Data File : BM028946.D
Acq On : 27 Feb 2021 08:05
Operator : CG/JU
Sample : M1498-02
Misc :
ALS Vial : 35 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** CB8G1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM022721MA.M
Quant Title : SVOA CALIBRATION

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

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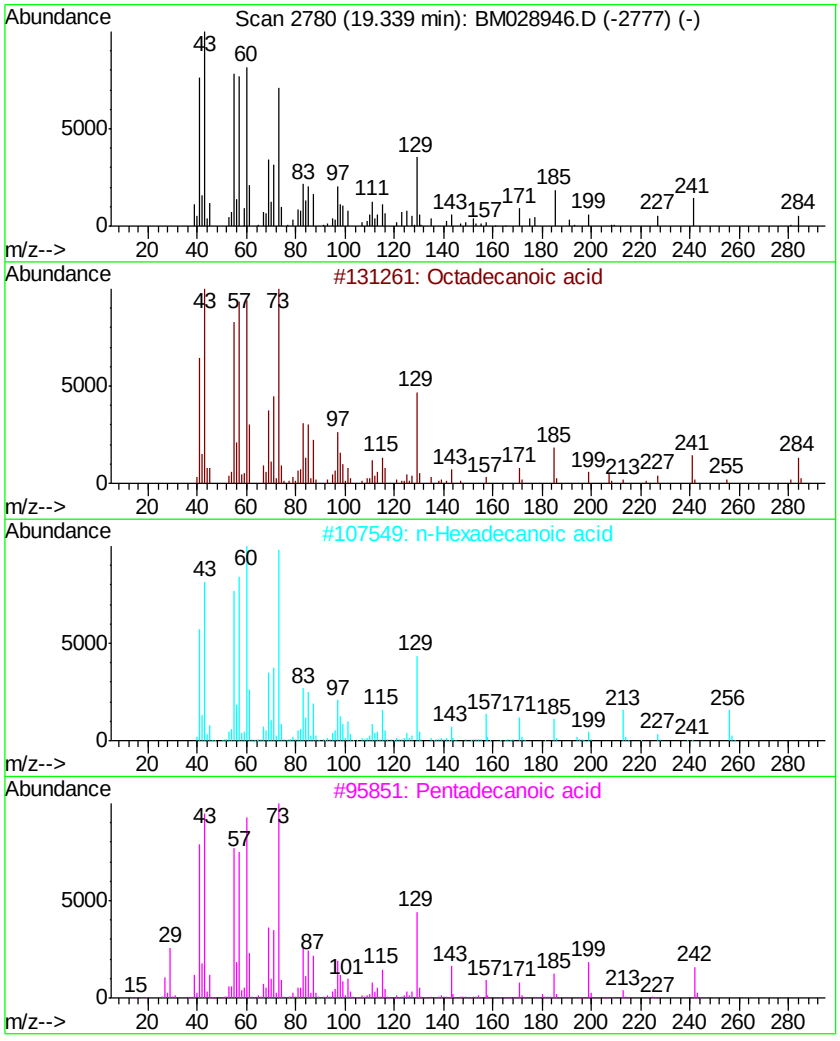
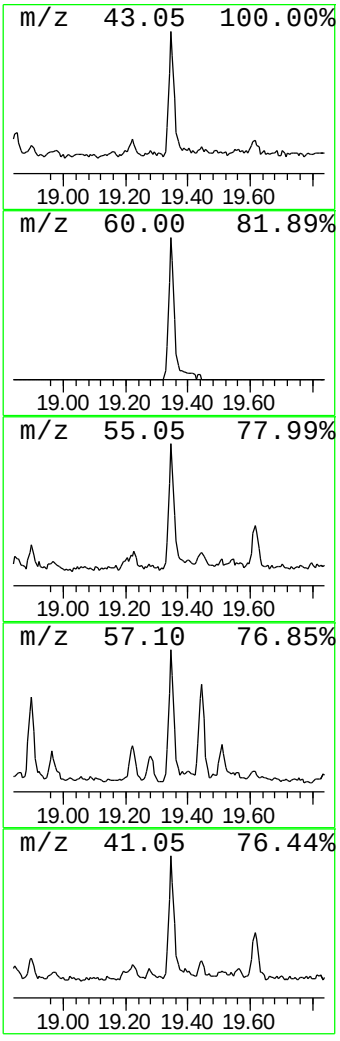
Peak Number 11 Octadecanoic acid Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.34 | 7.11 ng/ul | 79369 | Chrysene-d12 | 21.34 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 95 |
| 2 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 81 |
| 3 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 62 |
| 4 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 58 |
| 5 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 46 |



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Data File : BM028946.D
Acq On : 27 Feb 2021 08:05
Operator : CG/JU
Sample : M1498-02
Misc :
ALS Vial : 35 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** CB8G1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM022721MA.M
Quant Title : SVOA CALIBRATION

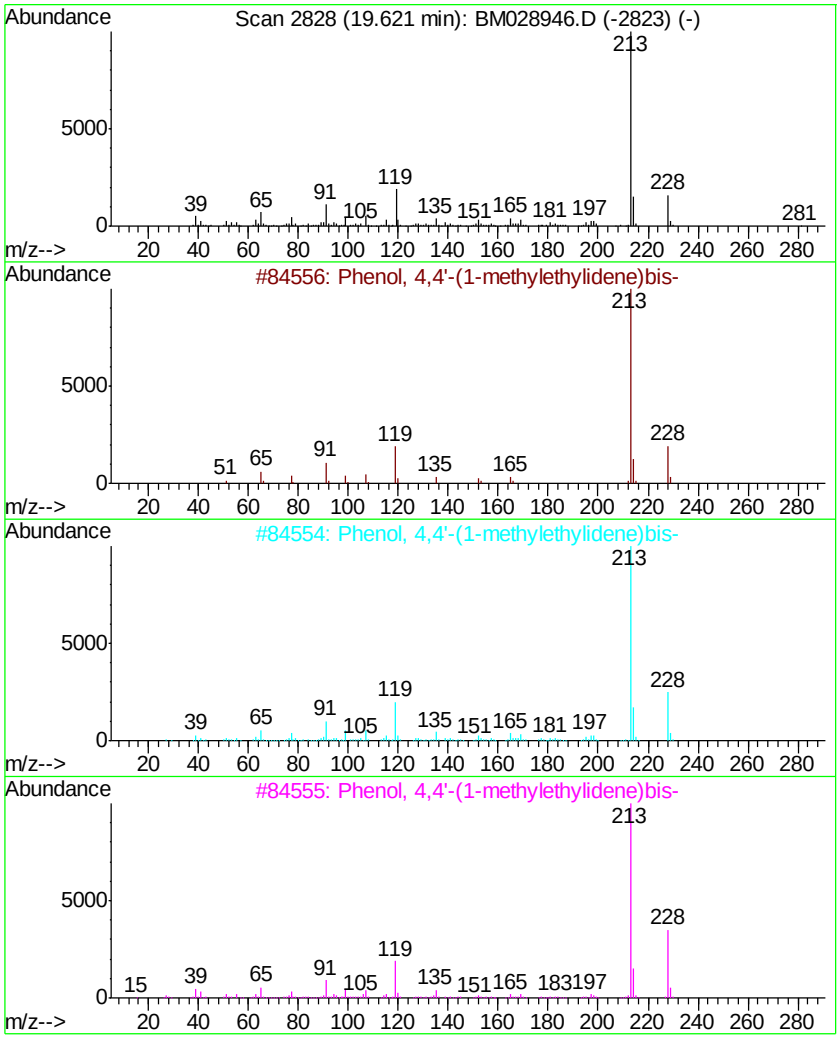
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

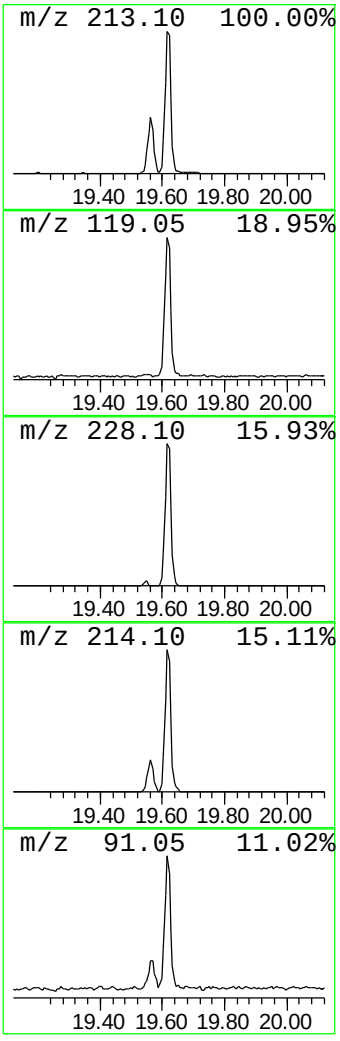
**********

Peak Number 12 Phenol, 4,4'-(1-methylethyl... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.62 | 18.88 ng/ul | 210806 | Chrysene-d12 | 21.34 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 4,4'-(1-methylethylidene... | 228 | C15H16O2 | 000080-05-7 | 97 |
| 2 | Phenol, 4,4'-(1-methylethylidene... | 228 | C15H16O2 | 000080-05-7 | 95 |
| 3 | Phenol, 4,4'-(1-methylethylidene... | 228 | C15H16O2 | 000080-05-7 | 90 |
| 4 | 2H,8H-Benzo[1,2-b:3,4-b']dipyran... | 228 | C14H12O3 | 000523-59-1 | 58 |
| 5 | 2H,8H-Benzo[1,2-b:5,4-b']dipyran... | 228 | C14H12O3 | 000553-19-5 | 58 |



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Data File : BM028946.D
Acq On : 27 Feb 2021 08:05
Operator : CG/JU
Sample : M1498-02
Misc :
ALS Vial : 35 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** CB8G1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM022721MA.M
Quant Title : SVOA CALIBRATION

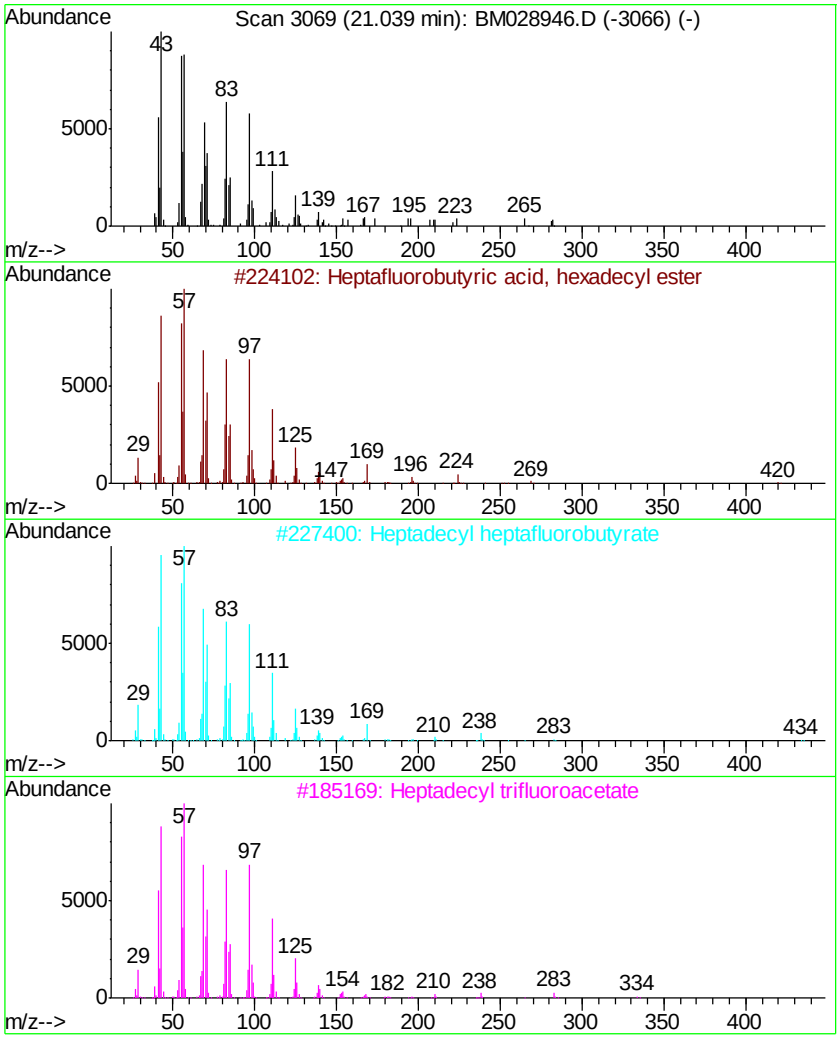
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

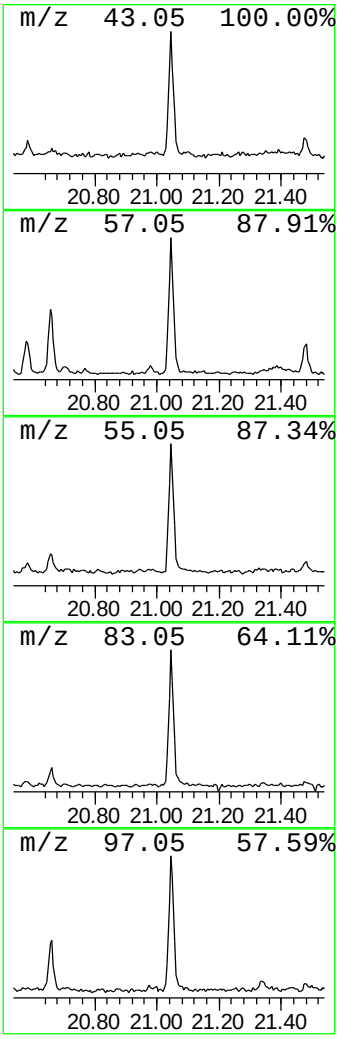
**********

Peak Number 13 Heptafluorobutyric acid, he... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.04 | 6.83 ng/ul | 76285 | Chrysene-d12 | 21.34 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptafluorobutyric acid, hexadec... | 438 | C20H33F7O2 | 006385-15-5 | 95 |
| 2 | Heptadecyl heptafluorobutyrate | 452 | C21H35F7O2 | 959085-66-6 | 95 |
| 3 | Heptadecyl trifluoroacetate | 352 | C19H35F3O2 | 1000351-87-0 | 95 |
| 4 | Trichloroacetic acid, pentadecyl... | 372 | C17H31Cl3O2 | 074339-53-0 | 95 |
| 5 | Trifluoroacetoxy hexadecane | 338 | C18H33F3O2 | 006222-03-3 | 95 |



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Data File : BM028946.D
Acq On : 27 Feb 2021 08:05
Operator : CG/JU
Sample : M1498-02
Misc :
ALS Vial : 35 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** CB8G1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM022721MA.M
Quant Title : SVOA CALIBRATION

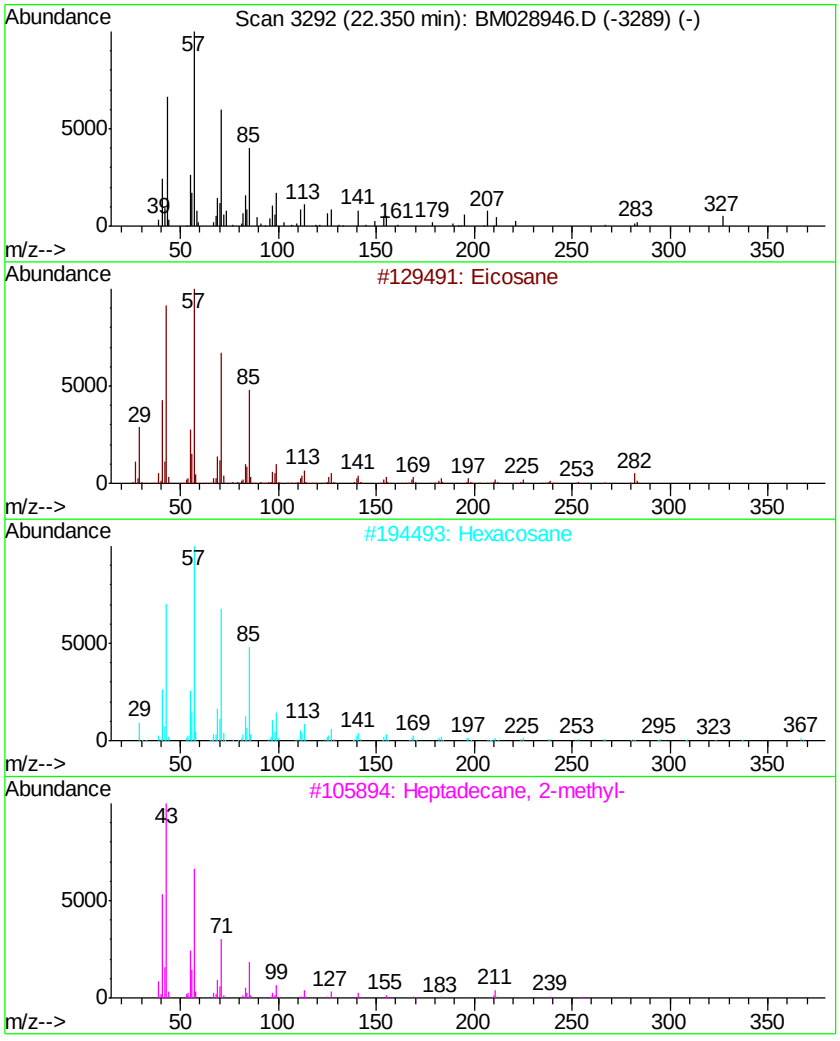
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

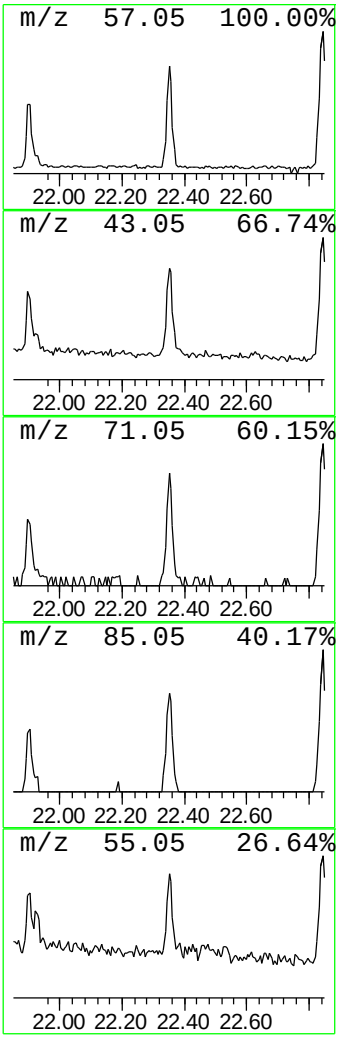
**********

Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.35 | 2.31 ng/ul | 25746 | Chrysene-d12 | 21.34 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosane | 282 | C20H42 | 000112-95-8 | 96 |
| 2 | Hexacosane | 366 | C26H54 | 000630-01-3 | 87 |
| 3 | Heptadecane, 2-methyl- | 254 | C18H38 | 001560-89-0 | 87 |
| 4 | Pentacosane | 352 | C25H52 | 000629-99-2 | 87 |
| 5 | Hentriacontane | 437 | C31H64 | 000630-04-6 | 87 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022721\
Data File : BM028946.D
Acq On : 27 Feb 2021 08:05
Operator : CG/JU
Sample : M1498-02
Misc :
ALS Vial : 35 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** CB8G1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM022721MA.M
Quant Title : SVOA CALIBRATION

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

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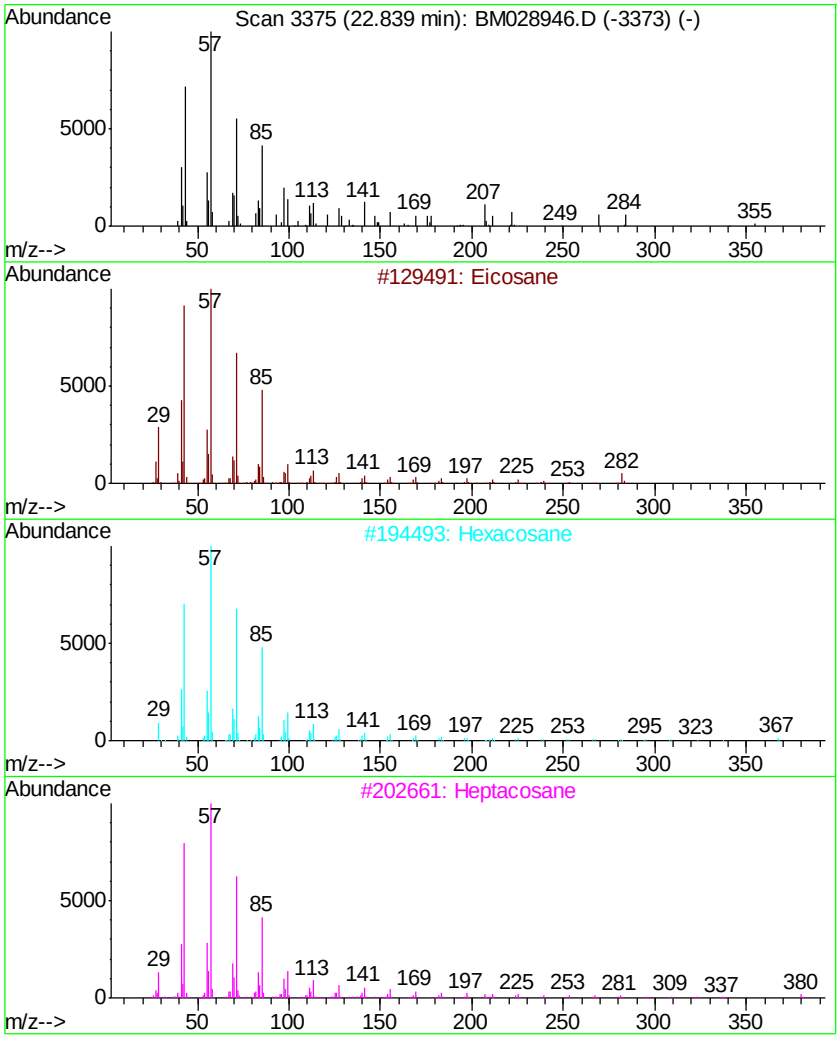
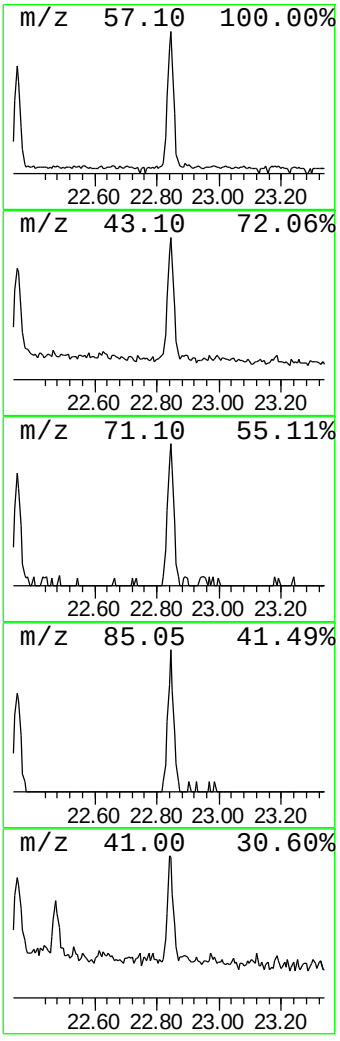
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.84 | 2.71 ng/ul | 28269 | Perylene-d12 | 23.54 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosane | 282 | C20H42 | 000112-95-8 | 97 |
| 2 | Hexacosane | 366 | C26H54 | 000630-01-3 | 81 |
| 3 | Heptacosane | 380 | C27H56 | 000593-49-7 | 81 |
| 4 | Hexacosane | 366 | C26H54 | 000630-01-3 | 81 |
| 5 | Hentriacontane | 437 | C31H64 | 000630-04-6 | 81 |



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Data File : BM028946.D
Acq On : 27 Feb 2021 08:05
Operator : CG/JU
Sample : M1498-02
Misc :
ALS Vial : 35 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** CB8G1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM022721MA.M
Quant Title : SVOA CALIBRATION

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

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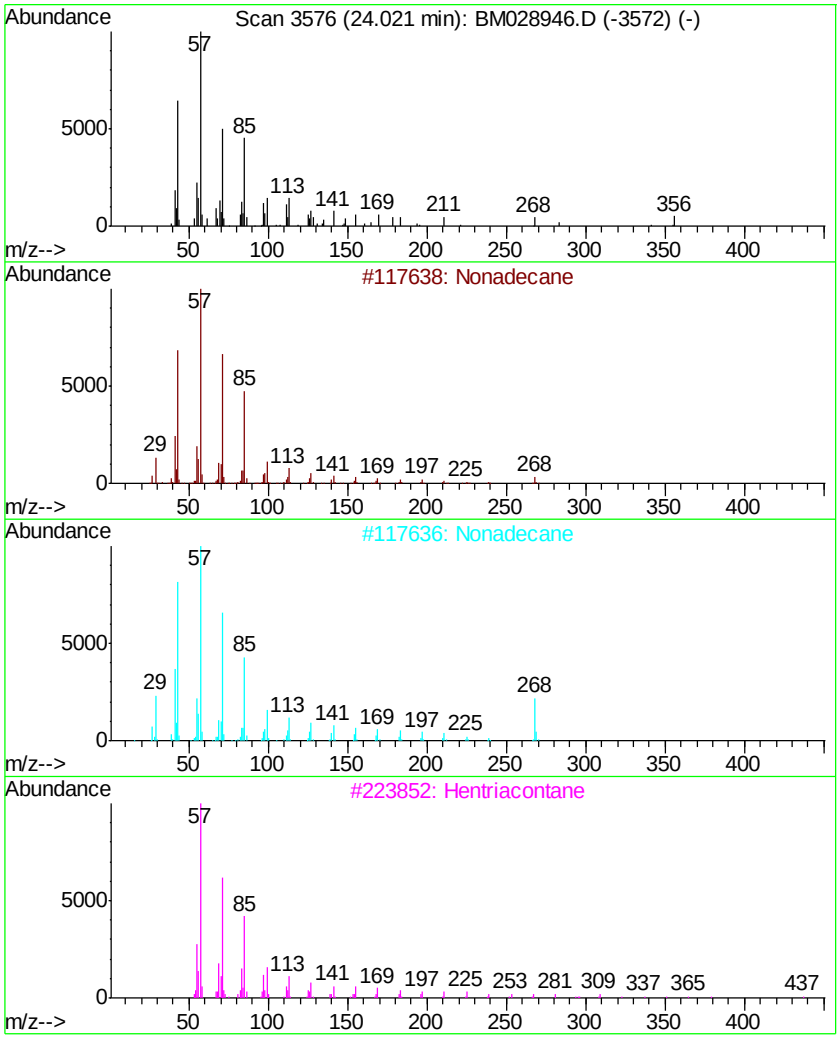
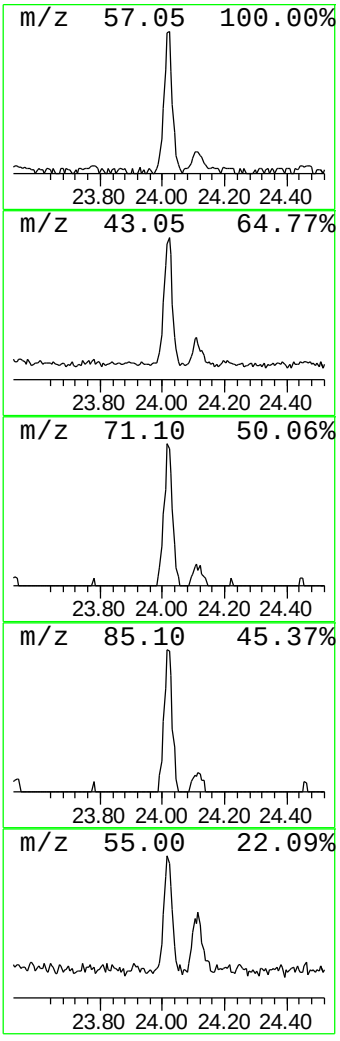
Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 24.02 | 3.97 ng/ul | 41403 | Perylene-d12 | 23.54 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Nonadecane | 268 | C19H40 | 000629-92-5 | 94 |
| 2 | Nonadecane | 268 | C19H40 | 000629-92-5 | 94 |
| 3 | Hentriacontane | 437 | C31H64 | 000630-04-6 | 87 |
| 4 | Hentriacontane | 437 | C31H64 | 000630-04-6 | 86 |
| 5 | Docosane, 11-butyl- | 366 | C26H54 | 013475-76-8 | 83 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM022721\
Data File : BM028946.D
Acq On : 27 Feb 2021 08:05
Operator : CG/JU
Sample : M1498-02
Misc :
ALS Vial : 35 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** CB8G1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM022721MA.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 |
| 1,3-Oxathiolane | 4.35 | 5.7 | ng/ul | 30905 | 1 | 7.77 | 109364 | 20.0 |
| Benzene, chloro- | 5.04 | 7.0 | ng/ul | 38068 | 1 | 7.77 | 109364 | 20.0 |
| Benzenamine, 3-me... | 8.77 | 3.0 | ng/ul | 16638 | 1 | 7.77 | 109364 | 20.0 |
| Phenol, p-tert-bu... | 11.93 | 2.4 | ng/ul | 18434 | 2 | 10.57 | 155769 | 20.0 |
| unknown-01 | 14.36 | 2.5 | ng/ul | 24805 | 3 | 14.43 | 195793 | 20.0 |
| Diethyltoluamide | 15.19 | 8.5 | ng/ul | 83110 | 3 | 14.43 | 195793 | 20.0 |
| Benzenesulfonamid... | 15.96 | 12.3 | ng/ul | 129068 | 4 | 17.17 | 209449 | 20.0 |
| Benzenesulfonamid... | 16.47 | 5.9 | ng/ul | 62008 | 4 | 17.17 | 209449 | 20.0 |
| n-Hexadecanoic acid | 18.07 | 12.6 | ng/ul | 132082 | 4 | 17.17 | 209449 | 20.0 |
| (DEL) Alkane: Str... | 18.81 | 5.9 | ng/ul | 61397 | 4 | 17.17 | 209449 | 20.0 |
| Octadecanoic acid | 19.34 | 7.1 | ng/ul | 79369 | 5 | 21.34 | 223334 | 20.0 |
| Phenol, 4,4'-(1-m... | 19.62 | 18.9 | ng/ul | 210806 | 5 | 21.34 | 223334 | 20.0 |
| Heptafluorobutyri... | 21.04 | 6.8 | ng/ul | 76285 | 5 | 21.34 | 223334 | 20.0 |
| (DEL) Alkane: Str... | 22.35 | 2.3 | ng/ul | 25746 | 5 | 21.34 | 223334 | 20.0 |
| (DEL) Alkane: Str... | 22.84 | 2.7 | ng/ul | 28269 | 6 | 23.54 | 208717 | 20.0 |
| (DEL) Alkane: Str... | 24.02 | 4.0 | ng/ul | 41403 | 6 | 23.54 | 208717 | 20.0 |