LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM041521\
Data File : BM029475.D
Acq On : 14 Apr 2021 21:18
Operator : CG/JU
Sample : M1870-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0AZ8

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-BM040721MA.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 | 2.940 | 6 | 9 | 16 | rVB | 134032 | 145075 | 5.77% | 1.275% |
| 2 | 3.016 | 19 | 22 | 25 | rVV | 36354 | 36260 | 1.44% | 0.319% |
| 3 | 3.046 | 25 | 27 | 29 | rVV | 14909 | 12866 | 0.51% | 0.113% |
| 4 | 3.069 | 29 | 31 | 33 | rVV2 | 23261 | 20024 | 0.80% | 0.176% |
| 5 | 3.110 | 33 | 38 | 42 | rVB | 2405998 | 2513827 | 100.00% | 22.101% |
| 6 | 3.410 | 84 | 89 | 90 | rBV3 | 5374 | 7508 | 0.30% | 0.066% |
| 7 | 3.440 | 90 | 94 | 99 | rVB | 64762 | 75195 | 2.99% | 0.661% |
| 8 | 3.528 | 106 | 109 | 113 | rVB4 | 5874 | 5841 | 0.23% | 0.051% |
| 9 | 3.904 | 168 | 173 | 181 | rVB | 12772 | 17437 | 0.69% | 0.153% |
| 10 | 7.675 | 808 | 814 | 828 | rBV | 542253 | 857653 | 34.12% | 7.540% |
| 11 | 10.457 | 1279 | 1287 | 1305 | rBV | 675809 | 1124895 | 44.75% | 9.890% |
| 12 | 12.133 | 1566 | 1572 | 1576 | rBV3 | 1870 | 2957 | 0.12% | 0.026% |
| 13 | 13.157 | 1741 | 1746 | 1751 | rVB3 | 2045 | 3347 | 0.13% | 0.029% |
| 14 | 14.227 | 1925 | 1928 | 1933 | rVB | 1695 | 2687 | 0.11% | 0.024% |
| 15 | 14.316 | 1936 | 1943 | 1952 | rBV | 1004642 | 1432514 | 56.99% | 12.594% |
| 16 | 15.186 | 2085 | 2091 | 2094 | rBV5 | 2078 | 3669 | 0.15% | 0.032% |
| 17 | 16.051 | 2231 | 2238 | 2239 | rBV4 | 3046 | 5064 | 0.20% | 0.045% |
| 18 | 16.839 | 2368 | 2372 | 2375 | rBV4 | 5224 | 7641 | 0.30% | 0.067% |
| 19 | 16.886 | 2379 | 2380 | 2383 | rVB3 | 3727 | 2824 | 0.11% | 0.025% |
| 20 | 17.057 | 2402 | 2409 | 2415 | rBV | 1169213 | 1594881 | 63.44% | 14.022% |
| 21 | 17.151 | 2423 | 2425 | 2429 | rVB5 | 4427 | 5071 | 0.20% | 0.045% |
| 22 | 17.574 | 2491 | 2497 | 2501 | rBV7 | 2991 | 5538 | 0.22% | 0.049% |
| 23 | 17.639 | 2504 | 2508 | 2509 | rVV4 | 2144 | 3027 | 0.12% | 0.027% |
| 24 | 17.662 | 2509 | 2512 | 2517 | rVB5 | 5307 | 7263 | 0.29% | 0.064% |
| 25 | 17.980 | 2562 | 2566 | 2571 | rVB6 | 4493 | 6955 | 0.28% | 0.061% |
| 26 | 18.127 | 2588 | 2591 | 2594 | rVB5 | 7012 | 7250 | 0.29% | 0.064% |
| 27 | 18.162 | 2594 | 2597 | 2600 | rBV4 | 2225 | 2711 | 0.11% | 0.024% |
| 28 | 18.262 | 2610 | 2614 | 2618 | rVB6 | 4746 | 7138 | 0.28% | 0.063% |
| 29 | 18.409 | 2636 | 2639 | 2640 | rBV3 | 2475 | 2786 | 0.11% | 0.024% |
| 30 | 18.580 | 2665 | 2668 | 2669 | rBV3 | 2395 | 3189 | 0.13% | 0.028% |
| 31 | 18.851 | 2713 | 2714 | 2719 | rVB4 | 4093 | 3933 | 0.16% | 0.035% |
| 32 | 18.898 | 2719 | 2722 | 2726 | rVB5 | 6479 | 8888 | 0.35% | 0.078% |
| 33 | 18.980 | 2732 | 2736 | 2742 | rVB4 | 25005 | 31353 | 1.25% | 0.276% |
| 34 | 19.115 | 2755 | 2759 | 2762 | rBV2 | 8326 | 10806 | 0.43% | 0.095% |

LSC Area Percent Report

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Operator : CG/JU
Sample : M1870-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0AZ8

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-BM040721MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 19.262 | 2780 | 2784 | 2791 | rVB4 | 34146 | 48046 | 1.91% | 0.422% |
| 36 | 19.392 | 2804 | 2806 | 2811 | rVB5 | 4980 | 5090 | 0.20% | 0.045% |
| 37 | 19.480 | 2817 | 2821 | 2824 | rBV3 | 8349 | 11135 | 0.44% | 0.098% |
| 38 | 19.709 | 2853 | 2860 | 2866 | rVB3 | 18877 | 38760 | 1.54% | 0.341% |
| 39 | 19.833 | 2877 | 2881 | 2884 | rVB6 | 29144 | 32080 | 1.28% | 0.282% |
| 40 | 19.874 | 2886 | 2888 | 2894 | rVB7 | 12029 | 14784 | 0.59% | 0.130% |
| 41 | 19.974 | 2900 | 2905 | 2909 | rBV2 | 84199 | 103139 | 4.10% | 0.907% |
| 42 | 20.021 | 2909 | 2913 | 2917 | rVB6 | 9954 | 15128 | 0.60% | 0.133% |
| 43 | 20.174 | 2935 | 2939 | 2944 | rBV8 | 13455 | 18240 | 0.73% | 0.160% |
| 44 | 20.250 | 2948 | 2952 | 2957 | rVB | 109571 | 130066 | 5.17% | 1.144% |
| 45 | 20.303 | 2957 | 2961 | 2967 | rBV8 | 28972 | 39807 | 1.58% | 0.350% |
| 46 | 20.409 | 2974 | 2979 | 2982 | rBV5 | 31719 | 51038 | 2.03% | 0.449% |
| 47 | 20.503 | 2992 | 2995 | 2997 | rBV3 | 14331 | 15132 | 0.60% | 0.133% |
| 48 | 20.562 | 2998 | 3005 | 3012 | rVV4 | 74914 | 141910 | 5.65% | 1.248% |
| 49 | 20.715 | 3027 | 3031 | 3035 | rVB5 | 42188 | 50283 | 2.00% | 0.442% |
| 50 | 20.774 | 3038 | 3041 | 3045 | rVV5 | 22441 | 26289 | 1.05% | 0.231% |
| 51 | 20.980 | 3072 | 3076 | 3079 | rVB5 | 38093 | 47013 | 1.87% | 0.413% |
| 52 | 21.033 | 3083 | 3085 | 3091 | rVB7 | 23205 | 26061 | 1.04% | 0.229% |
| 53 | 21.233 | 3114 | 3119 | 3123 | rBV | 1135915 | 1386073 | 55.14% | 12.186% |
| 54 | 21.574 | 3174 | 3177 | 3182 | rVB6 | 39791 | 53019 | 2.11% | 0.466% |
| 55 | 23.438 | 3488 | 3494 | 3504 | rVB2 | 622799 | 1143060 | 45.47% | 10.050% |

Sum of corrected areas: 11374226

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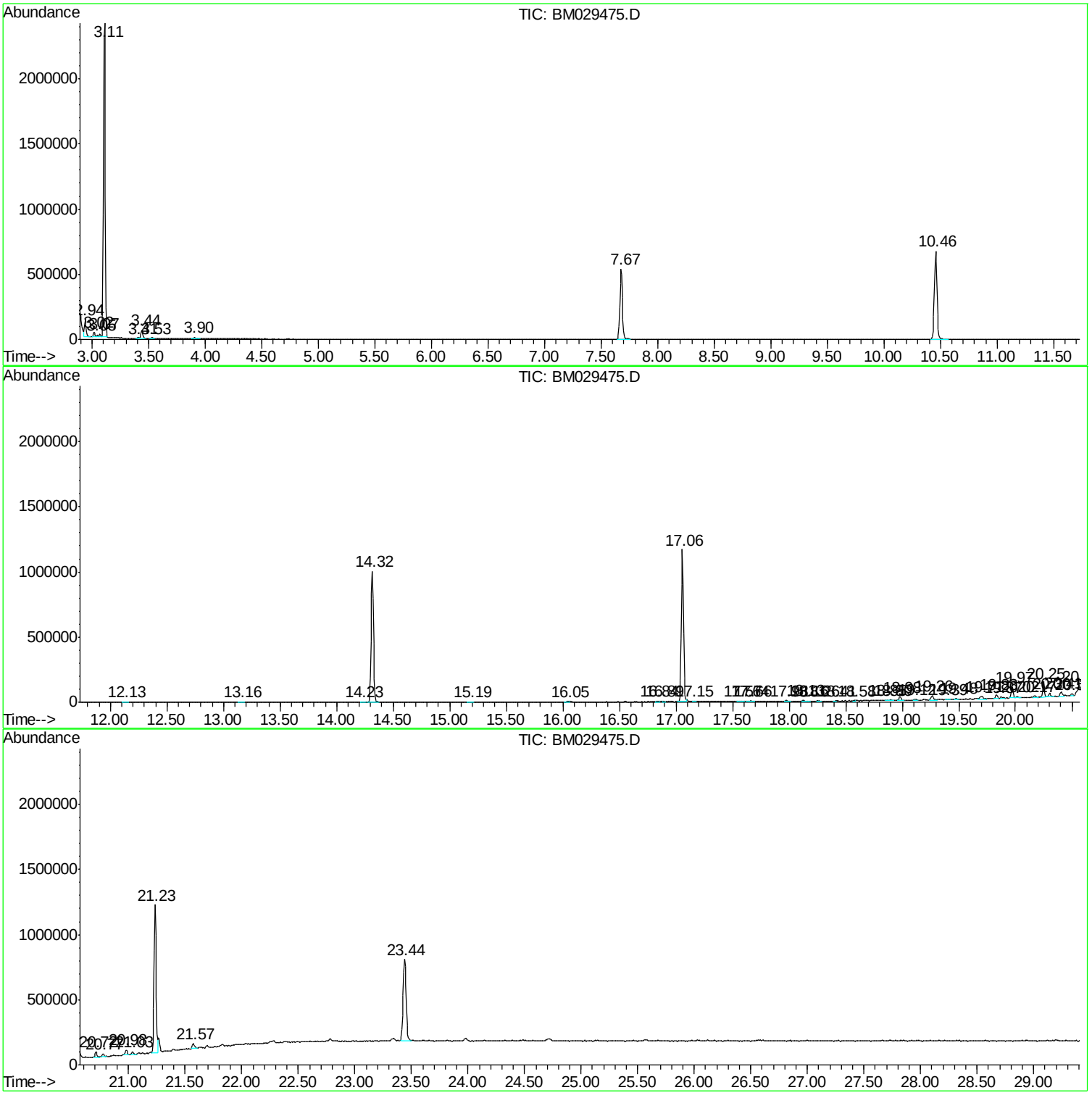
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
C0AZ8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM040721MA.M
Quant Title : SVOA CALIBRATION

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



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM041521\
Data File : BM029475.D
Acq On : 14 Apr 2021 21:18
Operator : CG/JU
Sample : M1870-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0AZ8

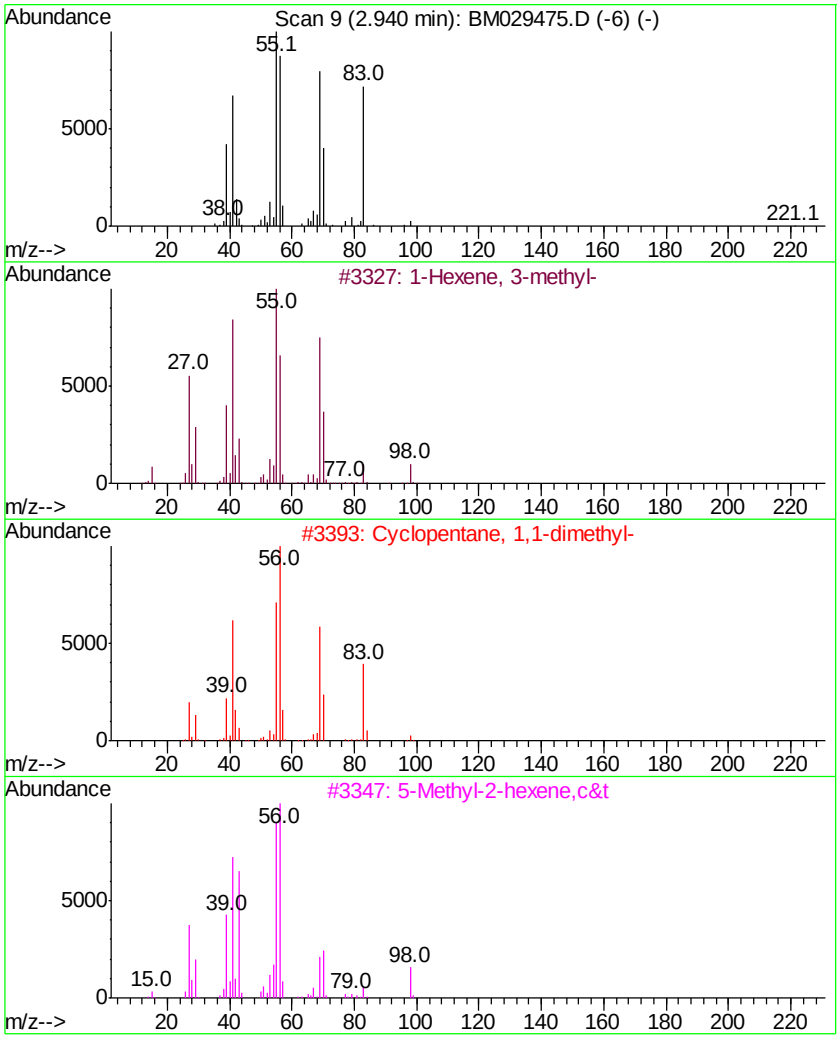
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM040721MA.M
Quant Title : SVOA CALIBRATION

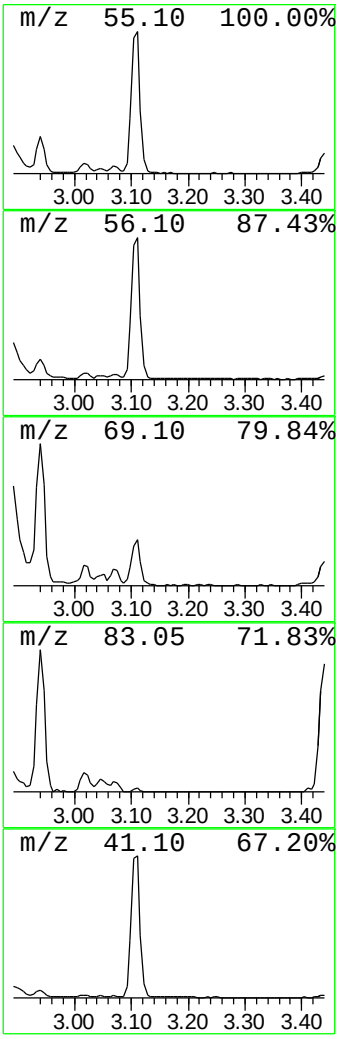
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.94 | 3.38 ng/ul | 145075 | 1,4-Dichlorobenzene-d4 | 7.67 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Hexene, 3-methyl- | 98 | C7H14 | 003404-61-3 | 59 |
| 2 | Cyclopentane, 1,1-dimethyl- | 98 | C7H14 | 001638-26-2 | 43 |
| 3 | 5-Methyl-2-hexene,c&t | 98 | C7H14 | 003404-62-4 | 43 |
| 4 | 1-Hexene, 5-methyl- | 98 | C7H14 | 003524-73-0 | 38 |
| 5 | Cyanamide, dimethyl- | 70 | C3H6N2 | 001467-79-4 | 27 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM041521\
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Operator : CG/JU
Sample : M1870-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0AZ8

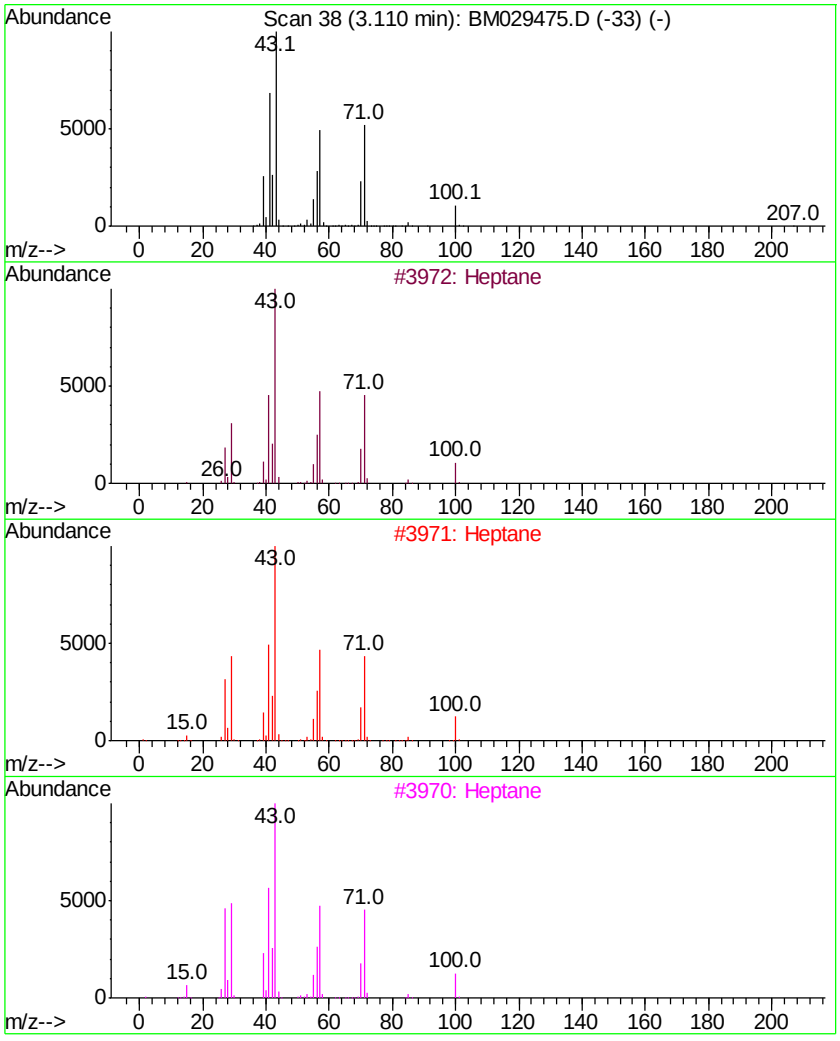
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM040721MA.M
Quant Title : SVOA CALIBRATION

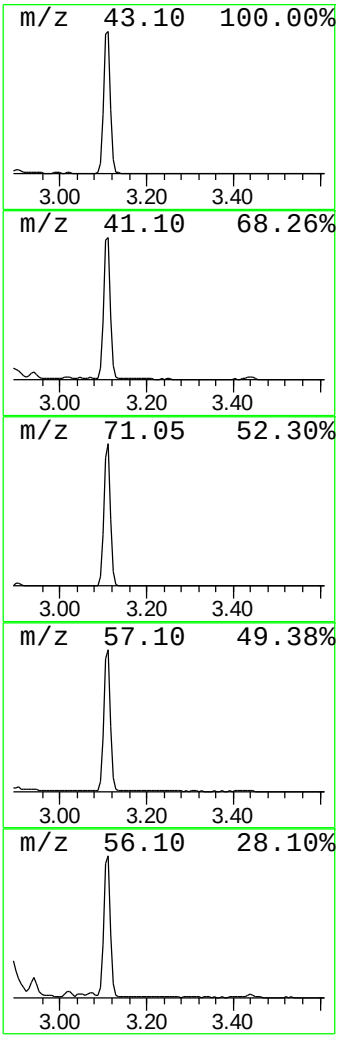
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.11 | 58.62 ng/ul | 2513830 | 1,4-Dichlorobenzene-d4 | 7.67 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptane | 100 | C7H16 | 000142-82-5 | 91 |
| 2 | Heptane | 100 | C7H16 | 000142-82-5 | 90 |
| 3 | Heptane | 100 | C7H16 | 000142-82-5 | 87 |
| 4 | Heptane | 100 | C7H16 | 000142-82-5 | 80 |
| 5 | Hexane, 3-methyl- | 100 | C7H16 | 000589-34-4 | 45 |



# Library Search Compound Report

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Data File : BM029475.D
Acq On : 14 Apr 2021 21:18
Operator : CG/JU
Sample : M1870-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0AZ8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM040721MA.M
Quant Title : SVOA CALIBRATION

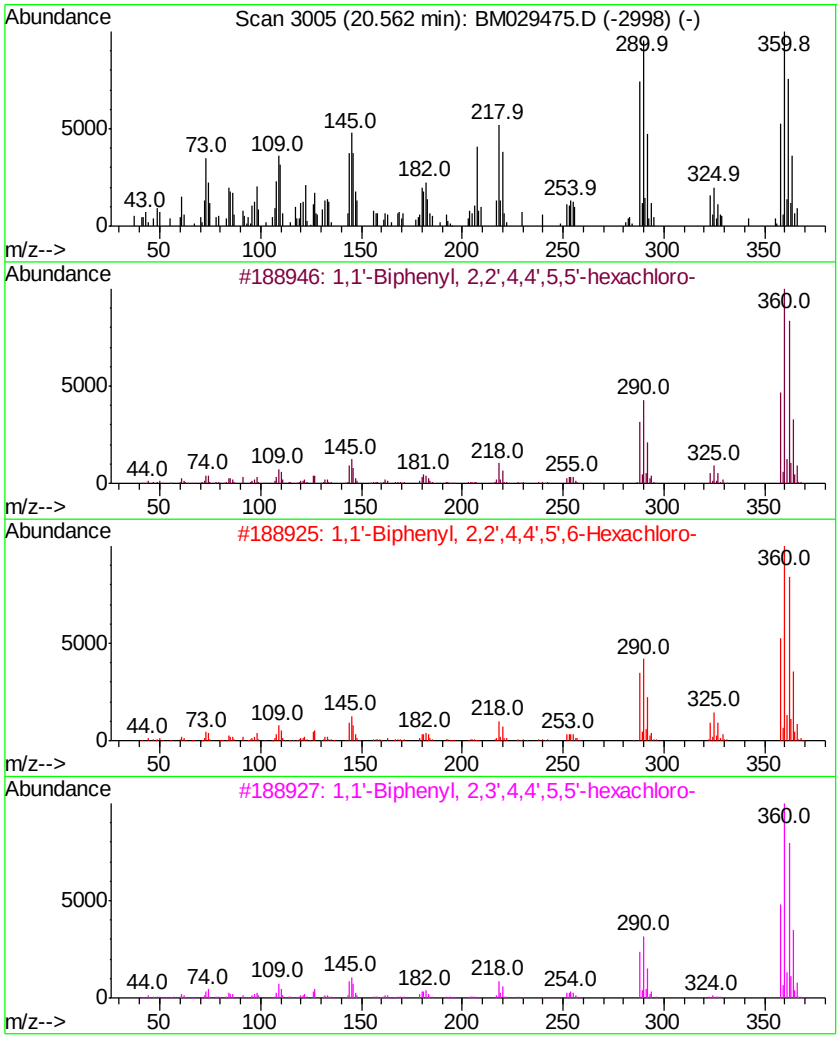
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

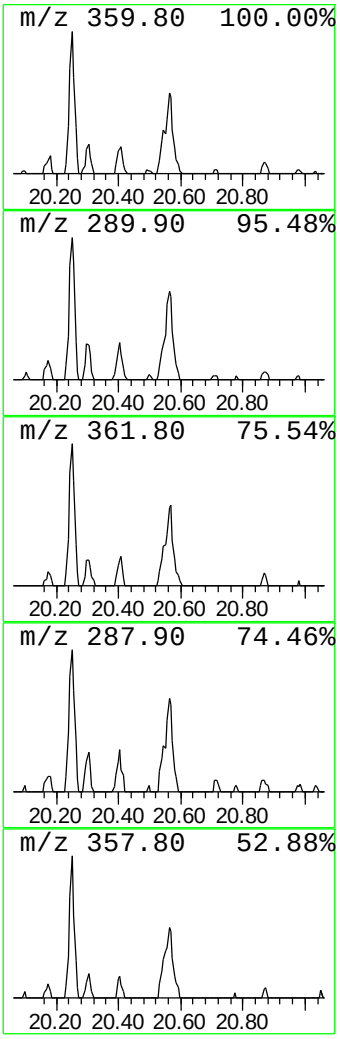
**********

Peak Number 3 1,1'-Biphenyl, 2,2',4,4',5,... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.56 | 2.05 ng/ul | 141910 | Chrysene-d12 | 21.23 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 2,2',4,4',5,5'-he... | 358 | C12H4Cl6 | 035065-27-1 | 99 |
| 2 | 1,1'-Biphenyl, 2,2',4,4',5',6-He... | 358 | C12H4Cl6 | 060145-22-4 | 99 |
| 3 | 1,1'-Biphenyl, 2,3',4,4',5,5'-he... | 358 | C12H4Cl6 | 052663-72-6 | 99 |
| 4 | 1,1'-Biphenyl, 2,2',4,4',6,6'-he... | 358 | C12H4Cl6 | 033979-03-2 | 99 |
| 5 | 2,3,3',4,5',6-Hexachloro-1,1'-bi... | 358 | C12H4Cl6 | 074472-43-8 | 99 |



# Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM041521\
Data File : BM029475.D
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Operator : CG/JU
Sample : M1870-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0AZ8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM040721MA.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 |
| (DEL) Alkane: Str... | 2.94 | 3.4 | ng/ul | 145075 | 1 | 7.67 | 857653 | 20.0 |
| (DEL) Alkane: Str... | 3.11 | 58.6 | ng/ul | 2513830 | 1 | 7.67 | 857653 | 20.0 |
| 1,1'-Biphenyl, 2,... | 20.56 | 2.0 | ng/ul | 141910 | 5 | 21.23 | 1386070 | 20.0 |