LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092322\
Data File : BM036718.D
Acq On : 24 Sep 2022 16:58
Operator : CG/JU
Sample : N4662-12
Misc :
ALS Vial : 51 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
EXZ47

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\SFAM-EPA-BM091522.M
Title : SVOA CALIBRATION

Signal : TIC: BM036718.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.116 | 3 | 5 | 25 | rVB | 7967395 | 9448320 | 100.00% | 9.504% |
| 2 | 3.387 | 47 | 51 | 55 | rBV | 87040 | 113883 | 1.21% | 0.115% |
| 3 | 3.822 | 122 | 125 | 138 | rBV | 229159 | 377910 | 4.00% | 0.380% |
| 4 | 4.051 | 159 | 164 | 169 | rBV | 43251 | 69871 | 0.74% | 0.070% |
| 5 | 4.146 | 176 | 180 | 188 | rVB | 37294 | 61557 | 0.65% | 0.062% |
| 6 | 5.098 | 337 | 342 | 347 | rVB4 | 11780 | 22256 | 0.24% | 0.022% |
| 7 | 7.163 | 686 | 693 | 703 | rVB | 430237 | 708073 | 7.49% | 0.712% |
| 8 | 7.334 | 715 | 722 | 735 | rVB | 1559474 | 2402392 | 25.43% | 2.417% |
| 9 | 7.534 | 749 | 756 | 767 | rBV | 1443446 | 2248737 | 23.80% | 2.262% |
| 10 | 7.622 | 769 | 771 | 775 | rVB5 | 11990 | 13389 | 0.14% | 0.013% |
| 11 | 8.004 | 829 | 836 | 844 | rBV | 1460125 | 2354325 | 24.92% | 2.368% |
| 12 | 8.069 | 844 | 847 | 858 | rVB9 | 9640 | 17673 | 0.19% | 0.018% |
| 13 | 8.716 | 949 | 957 | 969 | rBV | 1201320 | 1945779 | 20.59% | 1.957% |
| 14 | 9.175 | 1026 | 1035 | 1046 | rBV | 1807775 | 2918343 | 30.89% | 2.936% |
| 15 | 9.281 | 1050 | 1053 | 1057 | rVV4 | 12880 | 18347 | 0.19% | 0.018% |
| 16 | 9.345 | 1059 | 1064 | 1067 | rVB7 | 8030 | 15221 | 0.16% | 0.015% |
| 17 | 9.592 | 1102 | 1106 | 1115 | rVB2 | 22239 | 41840 | 0.44% | 0.042% |
| 18 | 9.898 | 1149 | 1158 | 1169 | rBV | 1278979 | 2100985 | 22.24% | 2.113% |
| 19 | 10.433 | 1239 | 1249 | 1260 | rBV | 2049830 | 3363476 | 35.60% | 3.383% |
| 20 | 10.604 | 1272 | 1278 | 1282 | rBV4 | 16442 | 31686 | 0.34% | 0.032% |
| 21 | 10.816 | 1305 | 1314 | 1323 | rBV | 2091469 | 3530411 | 37.37% | 3.551% |
| 22 | 10.951 | 1330 | 1337 | 1352 | rBV | 1094248 | 1896278 | 20.07% | 1.907% |
| 23 | 11.604 | 1441 | 1448 | 1451 | rBV8 | 8353 | 13566 | 0.14% | 0.014% |
| 24 | 12.074 | 1524 | 1528 | 1533 | rBV5 | 10173 | 21526 | 0.23% | 0.022% |
| 25 | 12.398 | 1577 | 1583 | 1590 | rBV2 | 40302 | 69688 | 0.74% | 0.070% |
| 26 | 13.463 | 1760 | 1764 | 1771 | rVB3 | 18730 | 26784 | 0.28% | 0.027% |
| 27 | 13.539 | 1771 | 1777 | 1783 | rVV6 | 15592 | 25758 | 0.27% | 0.026% |
| 28 | 13.604 | 1784 | 1788 | 1794 | rVB9 | 8237 | 13549 | 0.14% | 0.014% |
| 29 | 14.045 | 1856 | 1863 | 1872 | rBV | 4095415 | 5451927 | 57.70% | 5.484% |
| 30 | 14.327 | 1904 | 1911 | 1923 | rBV | 4630870 | 6344799 | 67.15% | 6.382% |
| 31 | 14.533 | 1942 | 1946 | 1949 | rVB6 | 11706 | 16629 | 0.18% | 0.017% |
| 32 | 14.633 | 1956 | 1963 | 1972 | rBV | 3241024 | 4555299 | 48.21% | 4.582% |
| 33 | 14.821 | 1988 | 1995 | 2005 | rBV | 300788 | 481958 | 5.10% | 0.485% |
| 34 | 15.039 | 2028 | 2032 | 2043 | rVB2 | 62611 | 99755 | 1.06% | 0.100% |
| 35 | 15.427 | 2093 | 2098 | 2103 | rBV4 | 10768 | 21972 | 0.23% | 0.022% |
| 36 | 15.474 | 2103 | 2106 | 2113 | rVB5 | 11698 | 17390 | 0.18% | 0.017% |

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Misc :
ALS Vial : 51 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
EXZ47

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\SFAM-EPA-BM091522.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 15.621 | 2123 | 2131 | 2144 | rBV | 6081483 | 8406075 | 88.97% | 8.456% |
| 38 | 15.733 | 2144 | 2150 | 2165 | rVV | 1320775 | 1839751 | 19.47% | 1.851% |
| 39 | 15.857 | 2167 | 2171 | 2179 | rVB | 53313 | 86453 | 0.92% | 0.087% |
| 40 | 16.186 | 2224 | 2227 | 2231 | rVB6 | 7242 | 10779 | 0.11% | 0.011% |
| 41 | 16.398 | 2259 | 2263 | 2270 | rVB8 | 18360 | 29007 | 0.31% | 0.029% |
| 42 | 16.680 | 2307 | 2311 | 2312 | rBV4 | 8655 | 10754 | 0.11% | 0.011% |
| 43 | 16.768 | 2321 | 2326 | 2333 | rBV3 | 49343 | 85950 | 0.91% | 0.086% |
| 44 | 16.851 | 2338 | 2340 | 2349 | rVB3 | 16921 | 29821 | 0.32% | 0.030% |
| 45 | 17.051 | 2371 | 2374 | 2378 | rVB6 | 10410 | 13218 | 0.14% | 0.013% |
| 46 | 17.127 | 2383 | 2387 | 2390 | rBV6 | 16060 | 24461 | 0.26% | 0.025% |
| 47 | 17.368 | 2421 | 2428 | 2435 | rBV | 3489762 | 4874731 | 51.59% | 4.904% |
| 48 | 17.468 | 2438 | 2445 | 2458 | rBV | 6710944 | 9030562 | 95.58% | 9.084% |
| 49 | 17.927 | 2520 | 2523 | 2528 | rVB3 | 16075 | 24840 | 0.26% | 0.025% |
| 50 | 18.033 | 2539 | 2541 | 2547 | rVB7 | 16670 | 24753 | 0.26% | 0.025% |
| 51 | 18.262 | 2575 | 2580 | 2589 | rBV | 342106 | 540819 | 5.72% | 0.544% |
| 52 | 18.862 | 2680 | 2682 | 2686 | rBV3 | 15520 | 15214 | 0.16% | 0.015% |
| 53 | 19.315 | 2755 | 2759 | 2764 | rBV3 | 77244 | 112627 | 1.19% | 0.113% |
| 54 | 19.386 | 2767 | 2771 | 2774 | rBV | 99727 | 134339 | 1.42% | 0.135% |
| 55 | 19.533 | 2792 | 2796 | 2803 | rBV2 | 202989 | 312658 | 3.31% | 0.315% |
| 56 | 19.750 | 2827 | 2833 | 2839 | rBV | 7246740 | 9152935 | 96.87% | 9.207% |
| 57 | 20.744 | 2999 | 3002 | 3006 | rBV | 166837 | 171314 | 1.81% | 0.172% |
| 58 | 21.244 | 3084 | 3087 | 3095 | rBV2 | 217578 | 331026 | 3.50% | 0.333% |
| 59 | 21.533 | 3132 | 3136 | 3144 | rBV | 2860035 | 3688489 | 39.04% | 3.710% |
| 60 | 23.815 | 3517 | 3524 | 3531 | rBV2 | 3245788 | 6301184 | 66.69% | 6.338% |
| 61 | 23.968 | 3545 | 3550 | 3563 | rVB2 | 1638234 | 3298950 | 34.92% | 3.318% |

Sum of corrected areas: 99412062

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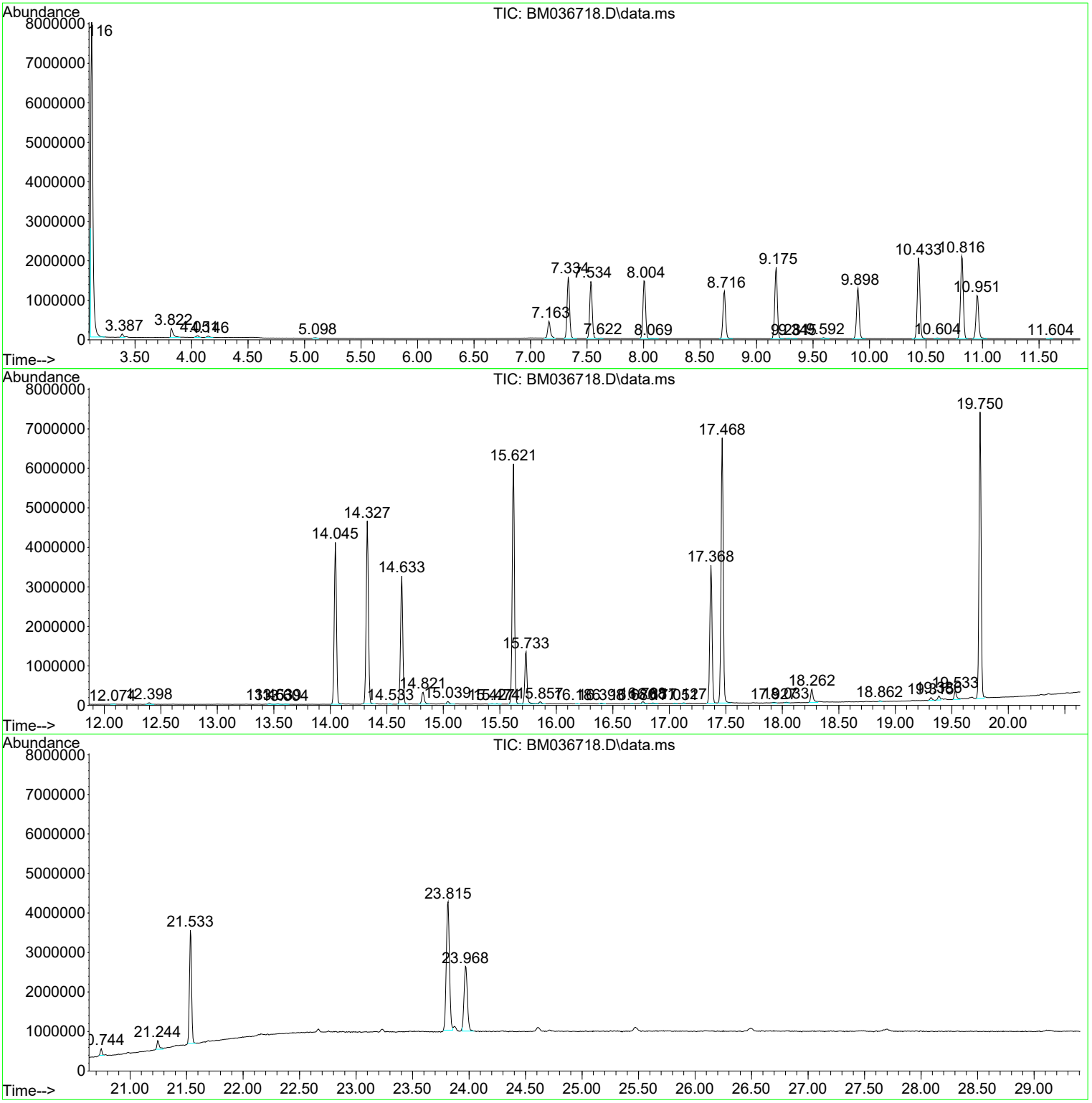
**Instrument :**
BNA_M
**ClientSampleId :**
EXZ47

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM091522.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



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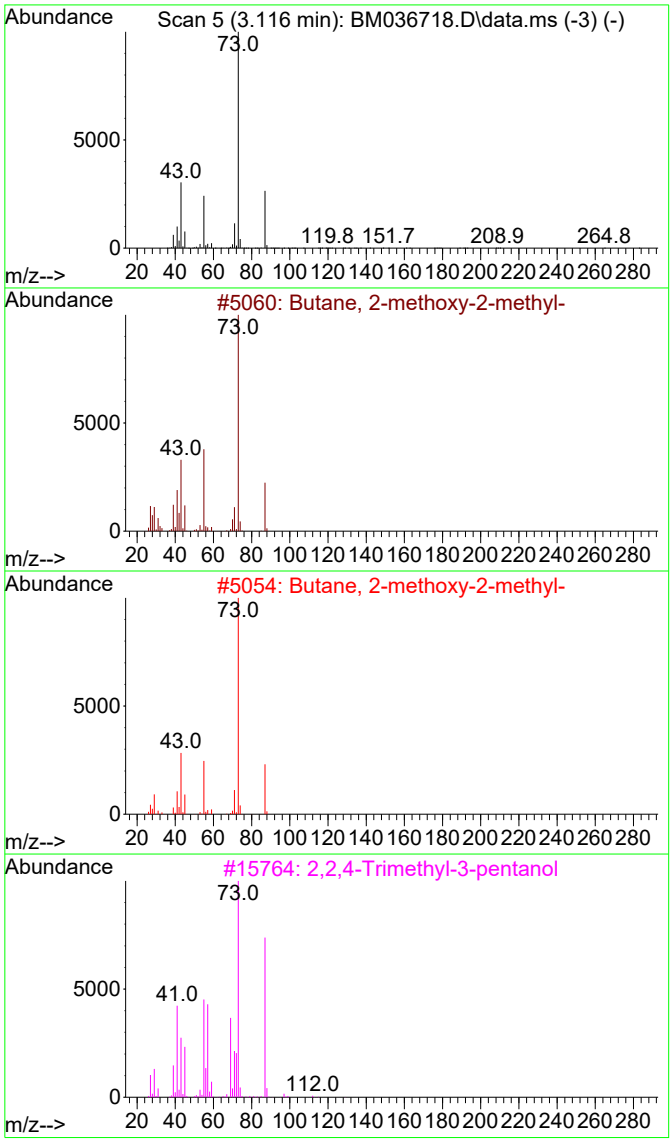
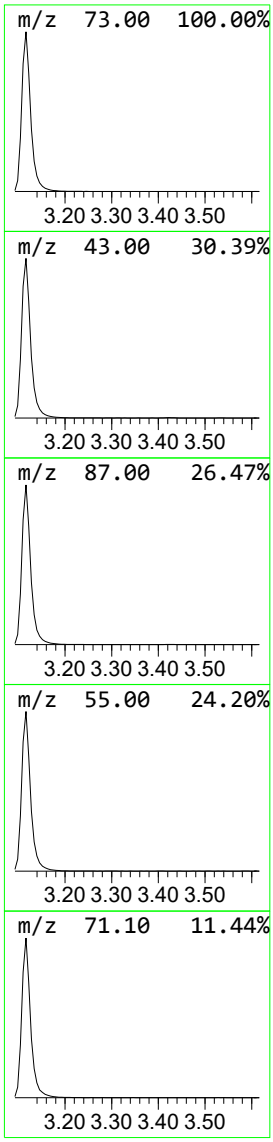
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.116 | 80.26 ng/ul | 9448320 | 1,4-Dichlorobenzene-d4 | 8.010 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 83 |
| 2 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 78 |
| 3 | 2,2,4-Trimethyl-3-pentanol | 130 | C8H18O | 005162-48-1 | 39 |
| 4 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 23 |
| 5 | Borane, dimethoxy- | 74 | C2H7BO2 | 004542-61-4 | 9 |



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**Instrument :**
BNA_M
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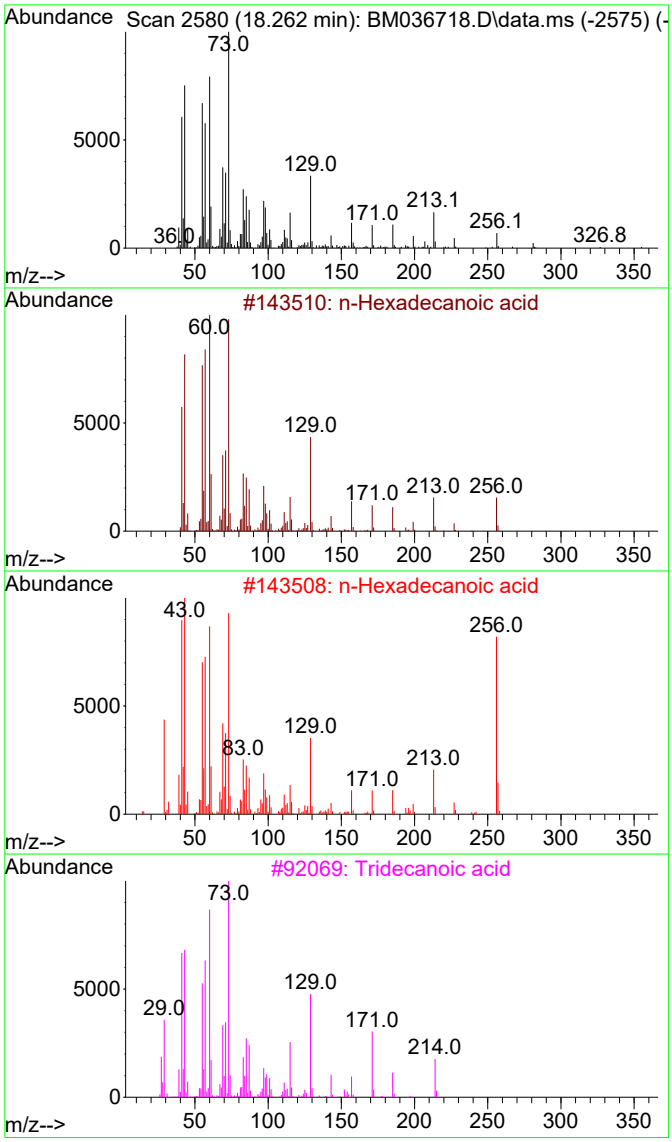
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM091522.M
Quant Title : SVOA CALIBRATION

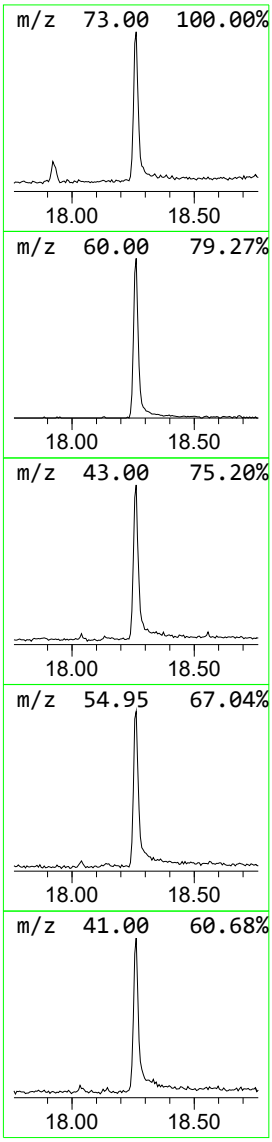
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 n-Hexadecanoic acid Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.262 | 2.22 ng/ul | 540819 | Phenanthrene-d10 | 17.368 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99 |
| 2 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99 |
| 3 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 95 |
| 4 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 94 |
| 5 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 87 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092322\
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Sample : N4662-12
Misc :
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**Instrument :**
BNA_M
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM091522.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

| | | | | | --Internal Standard--- | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Butane, 2-metho... | 3.116 | 80.3 | ng/ul | 9448320 | 1 | 8.010 | 2354330 | 20.0 |
| n-Hexadecanoic ... | 18.262 | 2.2 | ng/ul | 540819 | 4 | 17.368 | 4874730 | 20.0 |