LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM022417\
Data File : BM009013.D
Acq On : 24 Feb 2017 12:13
Operator : SJ/MA
Sample : I1940-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** DABP6

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM022317.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 | 3.364 | 44 | 47 | 52 | rVB2 | 45107 | 62089 | 1.53% | 0.127% |
| 2 | 7.052 | 666 | 674 | 684 | rBV2 | 885009 | 1594478 | 39.26% | 3.272% |
| 3 | 7.228 | 697 | 704 | 711 | rBV | 649130 | 993279 | 24.46% | 2.038% |
| 4 | 7.428 | 732 | 738 | 747 | rVB | 831436 | 1298196 | 31.97% | 2.664% |
| 5 | 7.899 | 808 | 818 | 825 | rBV | 799591 | 1265693 | 31.17% | 2.597% |
| 6 | 8.593 | 930 | 936 | 945 | rBV | 963945 | 1545665 | 38.06% | 3.172% |
| 7 | 9.063 | 1008 | 1016 | 1024 | rBV | 823755 | 1349705 | 33.24% | 2.770% |
| 8 | 9.781 | 1131 | 1138 | 1148 | rBV | 627786 | 1066071 | 26.25% | 2.188% |
| 9 | 10.316 | 1222 | 1229 | 1242 | rVB | 922914 | 1559849 | 38.41% | 3.201% |
| 10 | 10.698 | 1288 | 1294 | 1303 | rVB | 927394 | 1598768 | 39.37% | 3.281% |
| 11 | 10.840 | 1312 | 1318 | 1329 | rVB | 870596 | 1464778 | 36.07% | 3.006% |
| 12 | 13.945 | 1837 | 1846 | 1850 | rBV | 1530854 | 2153736 | 53.04% | 4.420% |
| 13 | 13.986 | 1850 | 1853 | 1861 | rVB | 391007 | 558765 | 13.76% | 1.147% |
| 14 | 14.233 | 1888 | 1895 | 1902 | rBV | 1654642 | 2392891 | 58.93% | 4.911% |
| 15 | 14.445 | 1927 | 1931 | 1937 | rVV2 | 110486 | 167205 | 4.12% | 0.343% |
| 16 | 14.539 | 1940 | 1947 | 1956 | rVB2 | 1354663 | 2038805 | 50.21% | 4.184% |
| 17 | 14.722 | 1971 | 1978 | 1988 | rBV | 775565 | 1130357 | 27.84% | 2.320% |
| 18 | 15.369 | 2083 | 2088 | 2093 | rVB2 | 77448 | 108288 | 2.67% | 0.222% |
| 19 | 15.528 | 2109 | 2115 | 2122 | rBV | 2142015 | 3065788 | 75.50% | 6.292% |
| 20 | 15.645 | 2129 | 2135 | 2145 | rVB | 713441 | 990487 | 24.39% | 2.033% |
| 21 | 15.775 | 2148 | 2157 | 2161 | rBV6 | 47734 | 88107 | 2.17% | 0.181% |
| 22 | 16.233 | 2229 | 2235 | 2245 | rBV | 798354 | 1146138 | 28.22% | 2.352% |
| 23 | 17.022 | 2364 | 2369 | 2373 | rBV | 76930 | 95480 | 2.35% | 0.196% |
| 24 | 17.069 | 2373 | 2377 | 2383 | rVB6 | 26366 | 41063 | 1.01% | 0.084% |
| 25 | 17.286 | 2407 | 2414 | 2420 | rBV2 | 1661631 | 2475645 | 60.96% | 5.081% |
| 26 | 17.380 | 2424 | 2430 | 2438 | rBV | 2390147 | 3383396 | 83.32% | 6.943% |
| 27 | 17.757 | 2490 | 2494 | 2498 | rBV | 54991 | 66632 | 1.64% | 0.137% |
| 28 | 17.933 | 2519 | 2524 | 2530 | rVB | 129194 | 161373 | 3.97% | 0.331% |
| 29 | 18.157 | 2556 | 2562 | 2570 | rBV | 252299 | 366851 | 9.03% | 0.753% |
| 30 | 19.310 | 2751 | 2758 | 2760 | rBV3 | 39093 | 68879 | 1.70% | 0.141% |
| 31 | 19.427 | 2774 | 2778 | 2784 | rBV3 | 113115 | 149545 | 3.68% | 0.307% |
| 32 | 19.563 | 2796 | 2801 | 2807 | rBV4 | 25746 | 52692 | 1.30% | 0.108% |
| 33 | 19.674 | 2814 | 2820 | 2830 | rBV | 2982489 | 4060848 | 100.00% | 8.334% |
| 34 | 21.139 | 3065 | 3069 | 3076 | rBV3 | 351550 | 464561 | 11.44% | 0.953% |

LSC Area Percent Report

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Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** DABP6

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM022317.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 21.451 | 3117 | 3122 | 3128 | rBV | 2346447 | 3055977 | 75.25% | 6.271% |
| 36 | 23.651 | 3489 | 3496 | 3504 | rBV2 | 2005604 | 3913977 | 96.38% | 8.032% |
| 37 | 23.803 | 3515 | 3522 | 3529 | rVB | 1394340 | 2732065 | 67.28% | 5.607% |

Sum of corrected areas: 48728122

LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM022417\
Data File : BM009013.D
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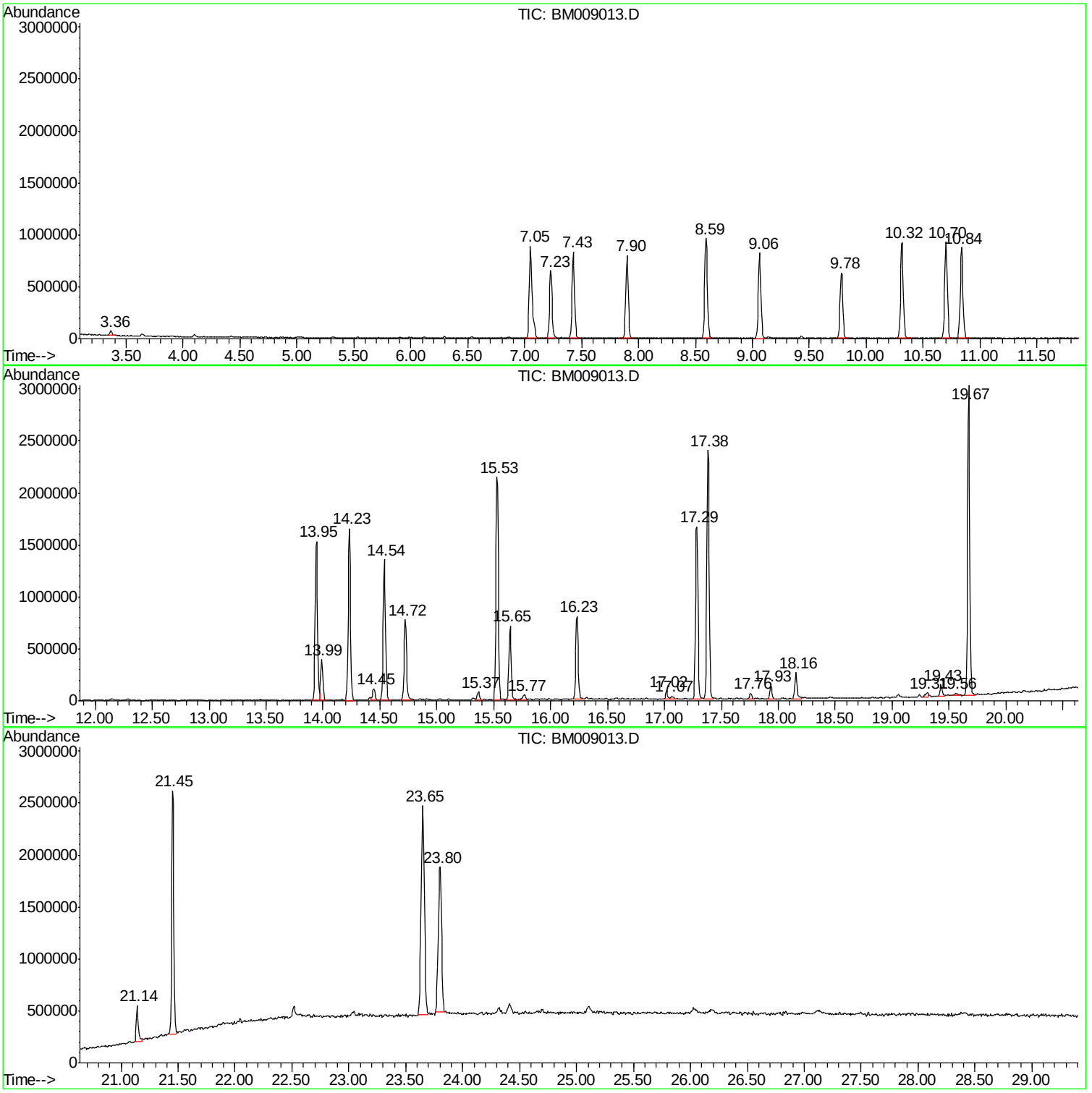
Operator : SJ/MA
Sample : I1940-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** DABP6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM022317.M
Quant Title : SVOA CALIBRATION

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



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM022417\
Data File : BM009013.D
Acq On : 24 Feb 2017 12:13
Operator : SJ/MA
Sample : I1940-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** DABP6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM022317.M
Quant Title : SVOA CALIBRATION

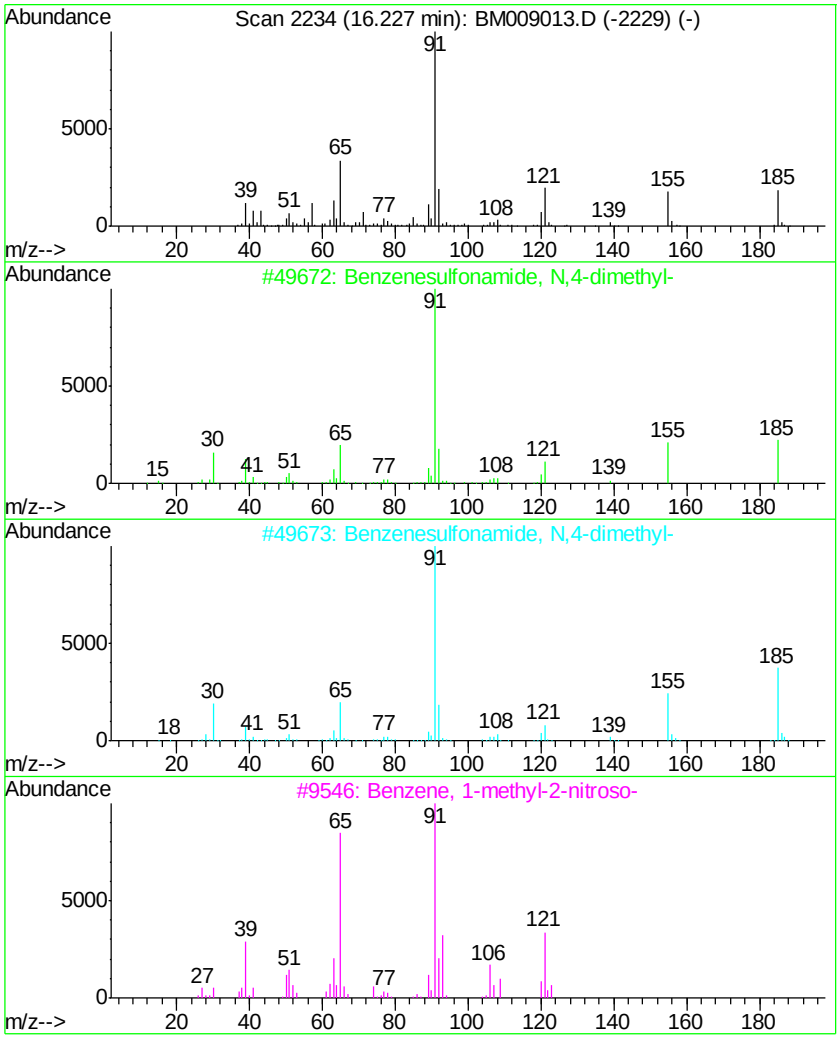
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

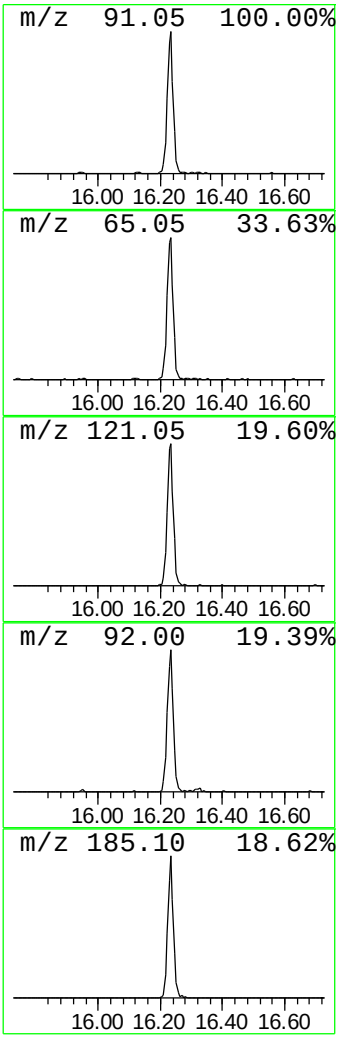
**********

Peak Number 1 Benzenesulfonamide, N,4-dim... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.23 | 9.26 ng/ul | 1146140 | Phenanthrene-d10 | 17.29 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzenesulfonamide, N,4-dimethyl- | 185 | C8H11NO2S | 000640-61-9 | 87 |
| 2 | Benzenesulfonamide, N,4-dimethyl- | 185 | C8H11NO2S | 000640-61-9 | 81 |
| 3 | Benzene, 1-methyl-2-nitroso- | 121 | C7H7NO | 000611-23-4 | 64 |
| 4 | Benzenesulfonamide, N,4-dimethyl- | 185 | C8H11NO2S | 000640-61-9 | 52 |
| 5 | 4-Toluenesulfonylmethyl isocyanide | 195 | C9H9NO2S | 036635-61-7 | 47 |



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Data Path : Z:\HPCHEM1\BNA_M\DATA\BM022417\
Data File : BM009013.D
Acq On : 24 Feb 2017 12:13
Operator : SJ/MA
Sample : I1940-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** DABP6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM022317.M
Quant Title : SVOA CALIBRATION

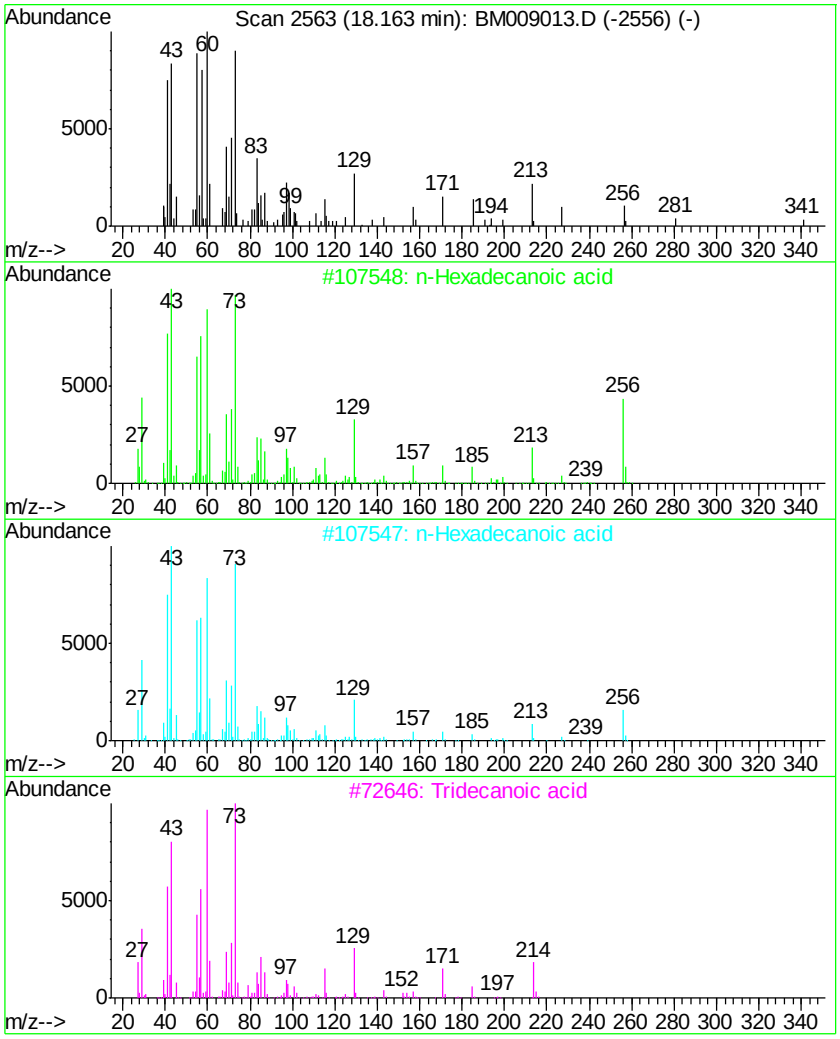
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

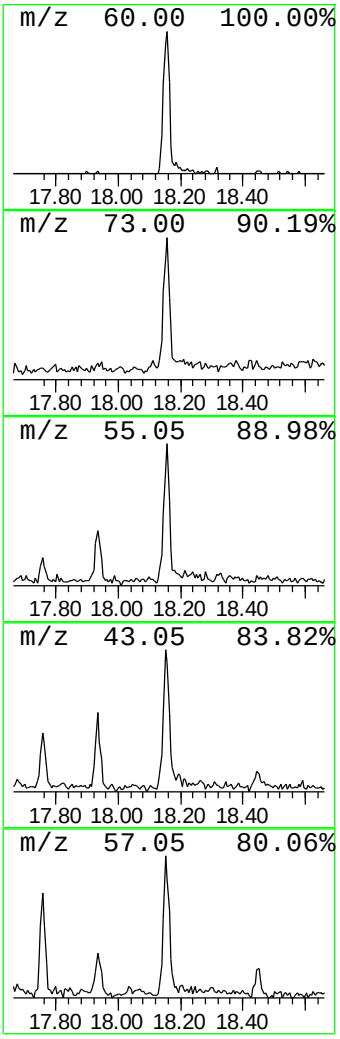
**********

Peak Number 2 n-Hexadecanoic acid Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.16 | 2.96 ng/ul | 366851 | Phenanthrene-d10 | 17.29 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 89 |
| 2 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 70 |
| 3 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 62 |
| 4 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 62 |
| 5 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 60 |



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Sample : I1940-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** DABP6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM022317.M
Quant Title : SVOA CALIBRATION

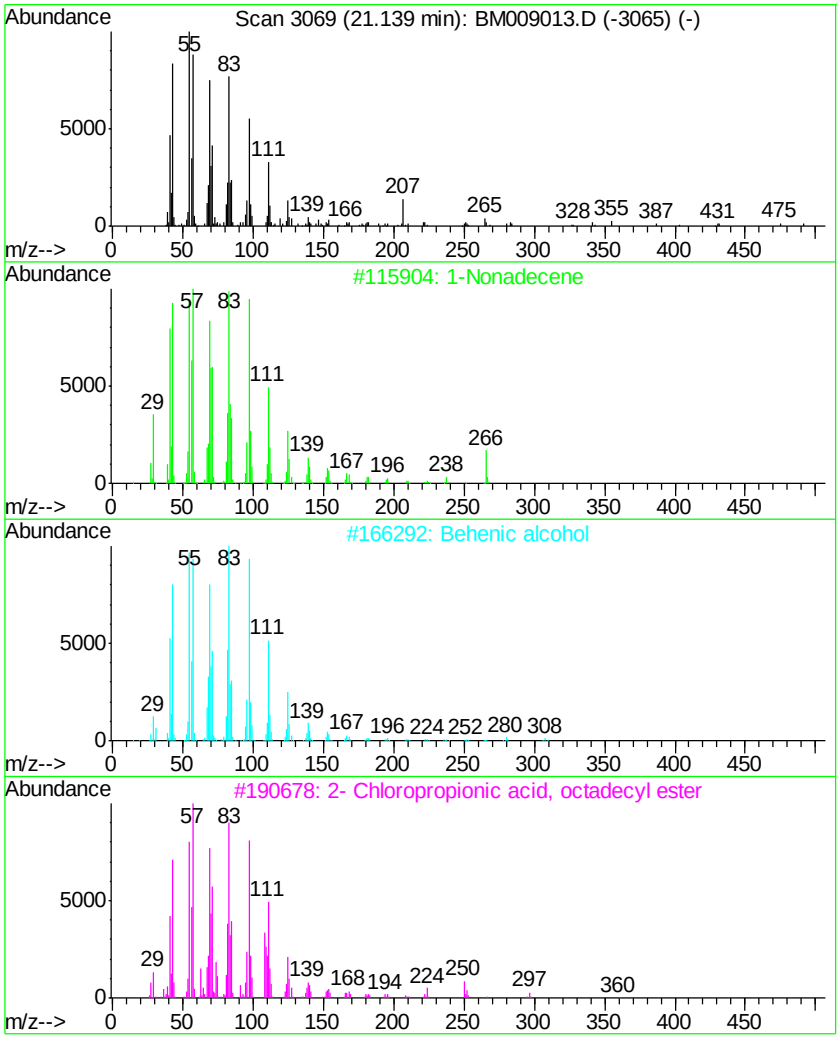
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

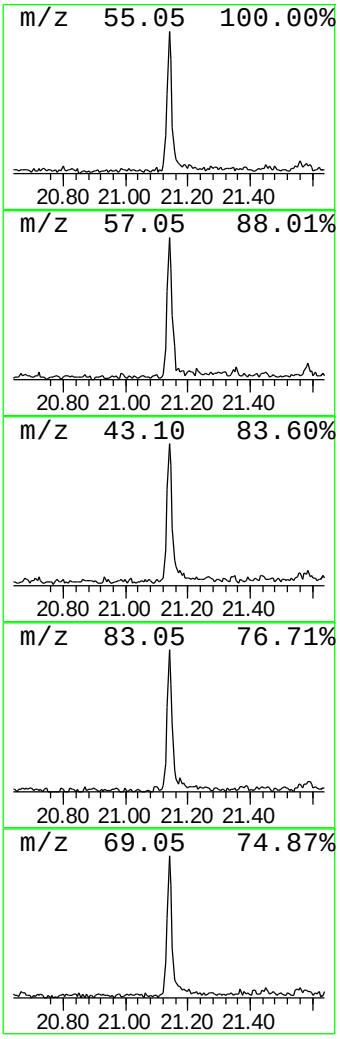
**********

Peak Number 3 (DEL) Alkane: Cyclic21.14 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.14 | 3.04 ng/ul | 464561 | Chrysene-d12 | 21.45 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Nonadecene | 266 | C19H38 | 018435-45-5 | 91 |
| 2 | Behenic alcohol | 326 | C22H46O | 000661-19-8 | 91 |
| 3 | 2- Chloropropionic acid, octadec... | 360 | C21H41ClO2 | 088104-31-8 | 91 |
| 4 | Cycloeicosane | 280 | C20H40 | 000296-56-0 | 90 |
| 5 | 1-Docosene | 308 | C22H44 | 001599-67-3 | 89 |



# Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM022417\
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Sample : I1940-01
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ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** DABP6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM022317.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 |
| Benzenesulfonamid... | 16.23 | 9.3 | ng/ul | 1146140 | 4 | 17.29 | 2475650 | 20.0 |
| n-Hexadecanoic acid | 18.16 | 3.0 | ng/ul | 366851 | 4 | 17.29 | 2475650 | 20.0 |
| (DEL) Alkane: Cyc... | 21.14 | 3.0 | ng/ul | 464561 | 5 | 21.45 | 3055980 | 20.0 |