LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080618\
Data File : BM016201.D
Acq On : 06 Aug 2018 21:10
Operator : SJ/JU
Sample : J4333-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** SOIL-4

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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\8270-BM072318.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.216 | 323 | 328 | 343 | rVB | 114102 | 173301 | 6.86% | 1.158% |
| 2 | 5.693 | 403 | 409 | 420 | rBV | 820963 | 1247383 | 49.40% | 8.334% |
| 3 | 7.334 | 682 | 688 | 707 | rBV | 833950 | 1338967 | 53.03% | 8.946% |
| 4 | 7.698 | 743 | 750 | 765 | rBV | 909629 | 1458890 | 57.77% | 9.747% |
| 5 | 8.169 | 825 | 830 | 839 | rBV | 177623 | 291222 | 11.53% | 1.946% |
| 6 | 8.493 | 878 | 885 | 897 | rBB | 657363 | 1064885 | 42.17% | 7.115% |
| 7 | 9.357 | 1026 | 1032 | 1053 | rBV | 486674 | 816057 | 32.32% | 5.452% |
| 8 | 10.987 | 1303 | 1309 | 1317 | rBV | 210202 | 354226 | 14.03% | 2.367% |
| 9 | 13.422 | 1717 | 1723 | 1735 | rVB | 1149572 | 1599642 | 63.35% | 10.688% |
| 10 | 14.251 | 1859 | 1864 | 1872 | rBB | 83787 | 116388 | 4.61% | 0.778% |
| 11 | 14.804 | 1952 | 1958 | 1965 | rBB2 | 269207 | 404876 | 16.03% | 2.705% |
| 12 | 16.286 | 2204 | 2210 | 2225 | rBV | 1079002 | 1422123 | 56.32% | 9.502% |
| 13 | 17.533 | 2417 | 2422 | 2428 | rBV | 346456 | 487563 | 19.31% | 3.258% |
| 14 | 18.380 | 2561 | 2566 | 2577 | rBV | 109166 | 174932 | 6.93% | 1.169% |
| 15 | 19.568 | 2765 | 2768 | 2774 | rVB | 27580 | 33421 | 1.32% | 0.223% |
| 16 | 19.639 | 2776 | 2780 | 2785 | rBV3 | 46031 | 59053 | 2.34% | 0.395% |
| 17 | 19.933 | 2827 | 2830 | 2834 | rVB | 24491 | 29048 | 1.15% | 0.194% |
| 18 | 20.109 | 2855 | 2860 | 2866 | rBV | 2074269 | 2525160 | 100.00% | 16.872% |
| 19 | 21.351 | 3066 | 3071 | 3079 | rVB3 | 73790 | 138394 | 5.48% | 0.925% |
| 20 | 21.662 | 3119 | 3124 | 3129 | rBV | 490463 | 633037 | 25.07% | 4.230% |
| 21 | 24.015 | 3518 | 3524 | 3532 | rVB | 313251 | 598299 | 23.69% | 3.997% |

Sum of corrected areas: 14966867

LSC Report - Integrated Chromatogram

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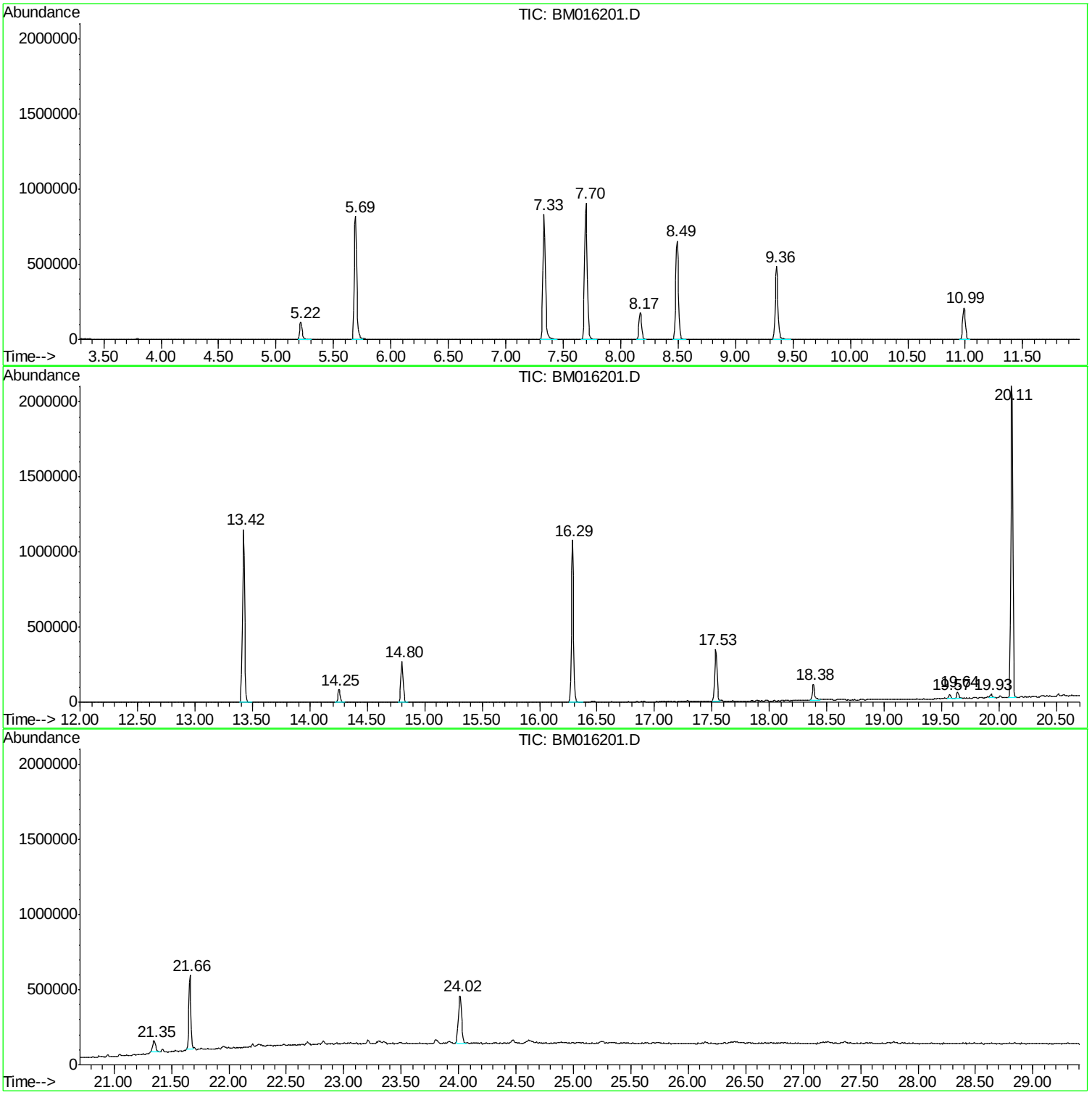
Sample : J4333-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SOIL-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM072318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080618\
Data File : BM016201.D
Acq On : 06 Aug 2018 21:10
Operator : SJ/JU
Sample : J4333-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** SOIL-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM072318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

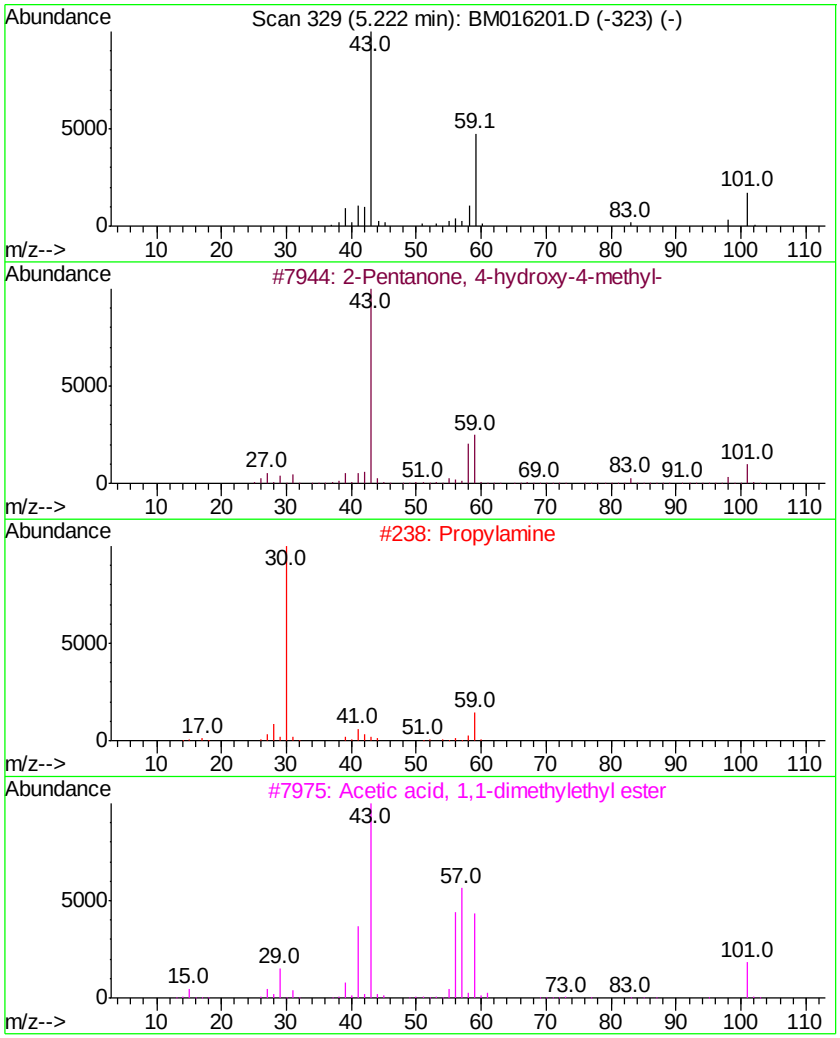
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

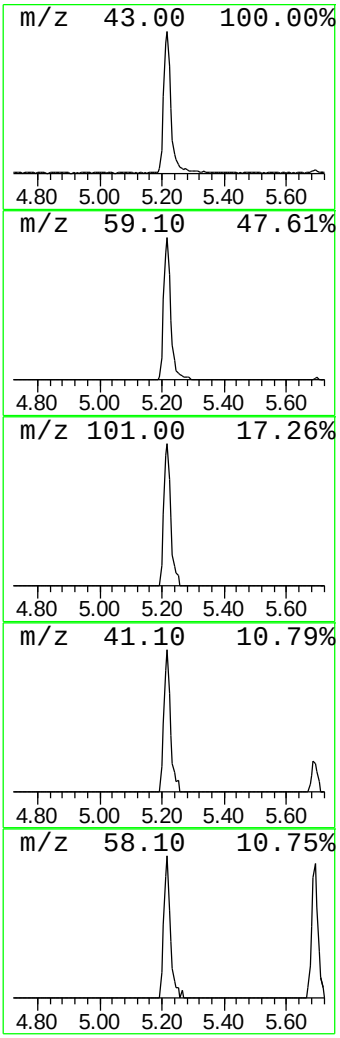
**********

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.22 | 11.90 ng | 173301 | 1,4-Dichlorobenzene-d4 | 8.17 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 64 |
| 2 | Propylamine | 59 | C3H9N | 000107-10-8 | 40 |
| 3 | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 38 |
| 4 | 2-Nonanone, 9-hydroxy- | 158 | C9H18O2 | 025368-56-3 | 36 |
| 5 | Butane | 58 | C4H10 | 000106-97-8 | 22 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080618\
Data File : BM016201.D
Acq On : 06 Aug 2018 21:10
Operator : SJ/JU
Sample : J4333-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** SOIL-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM072318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

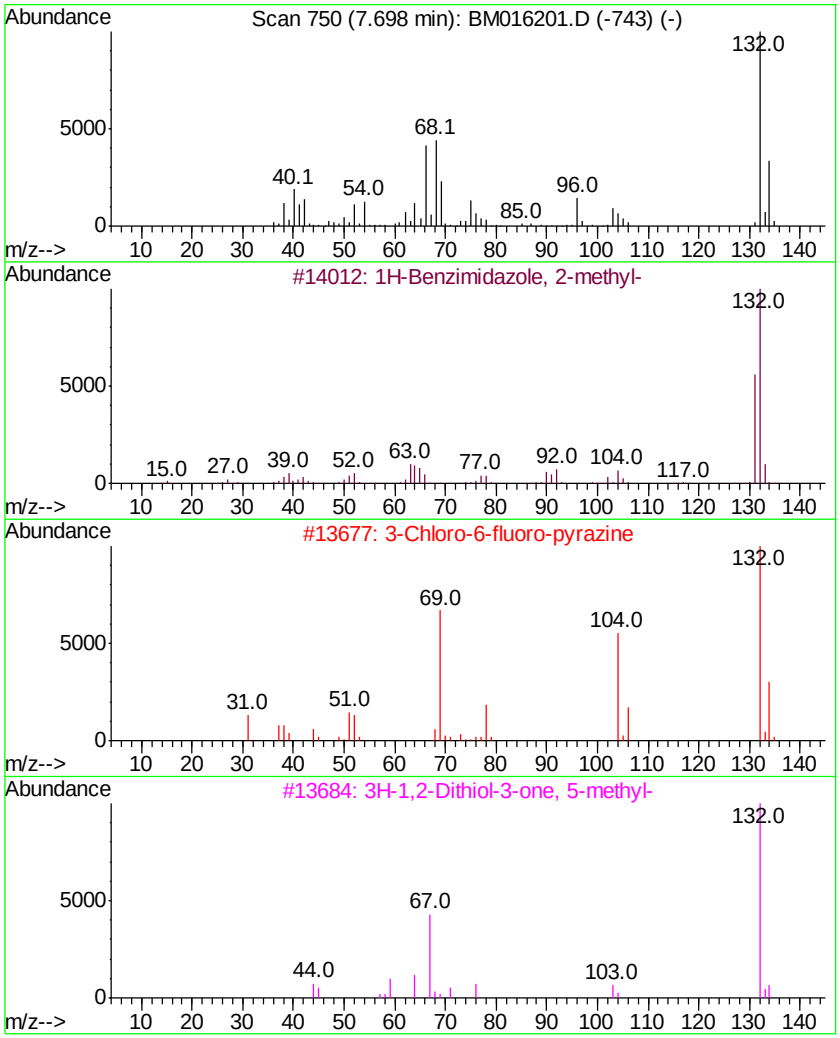
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

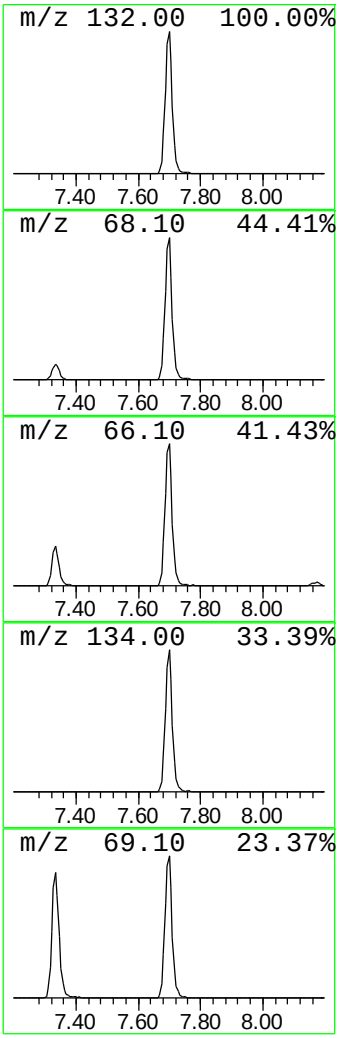
**********

Peak Number 2 unknown7.70 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.70 | 100.19 ng | 1458890 | 1,4-Dichlorobenzene-d4 | 8.17 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Benzimidazole, 2-methyl- | 132 | C8H8N2 | 000615-15-6 | 14 |
| 2 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 14 |
| 3 | 3H-1,2-Dithiol-3-one, 5-methyl- | 132 | C4H4OS2 | 003620-08-4 | 14 |
| 4 | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0 | 14 |
| 5 | 1,3,4-Thiadiazole-2(3H)-thione, ... | 132 | C3H4N2S2 | 029490-19-5 | 14 |



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Operator : SJ/JU
Sample : J4333-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** SOIL-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM072318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

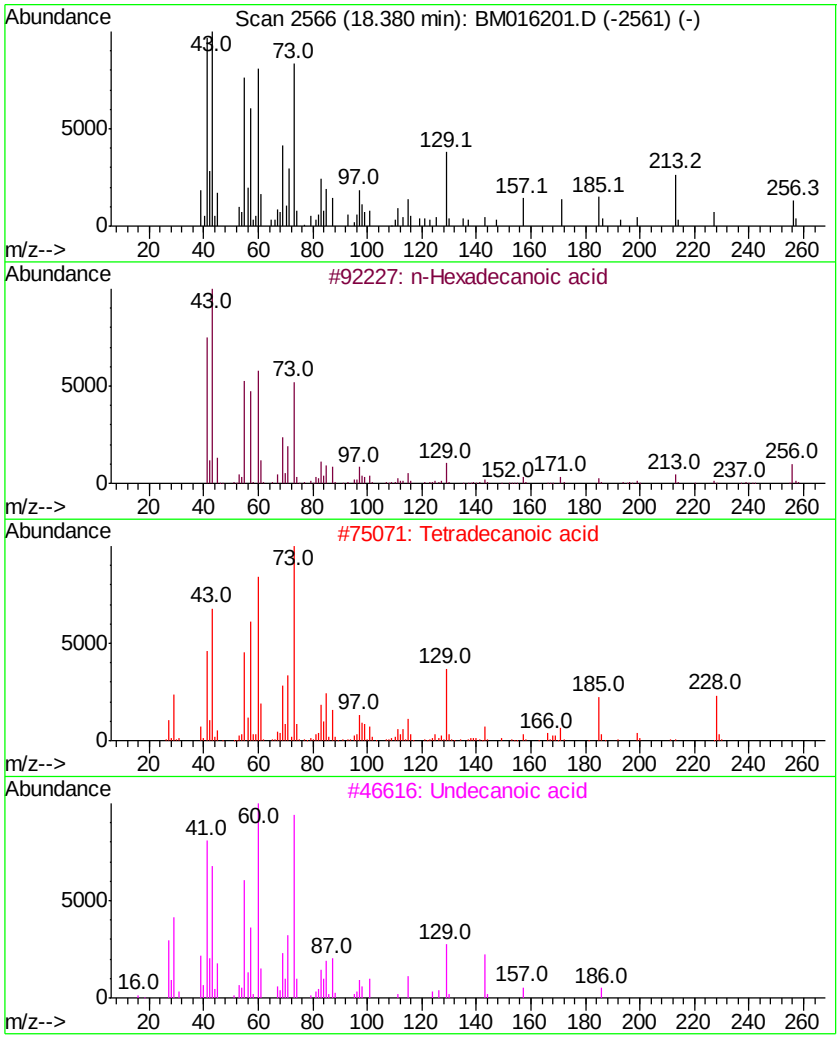
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

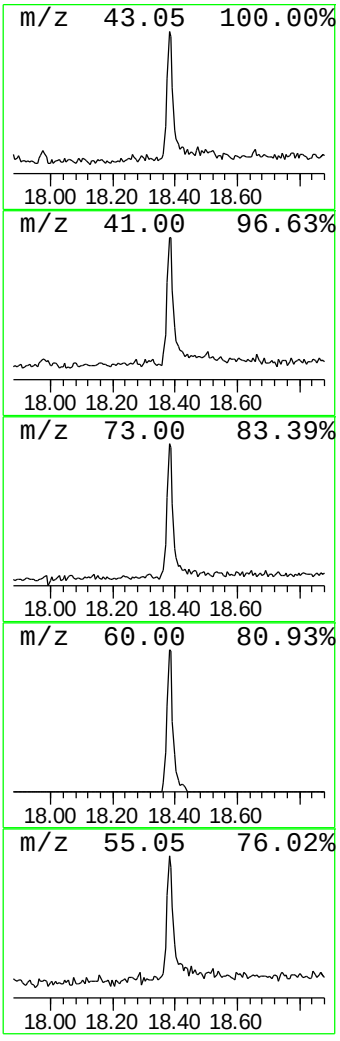
**********

Peak Number 4 n-Hexadecanoic acid Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.38 | 7.18 ng | 174932 | Phenanthrene-d10 | 17.53 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 83 |
| 2 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 74 |
| 3 | Undecanoic acid | 186 | C11H22O2 | 000112-37-8 | 70 |
| 4 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 64 |
| 5 | Dodecanoic acid | 200 | C12H24O2 | 000143-07-7 | 58 |



Library Search Compound Report

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Operator : SJ/JU
Sample : J4333-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** SOIL-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM072318.M
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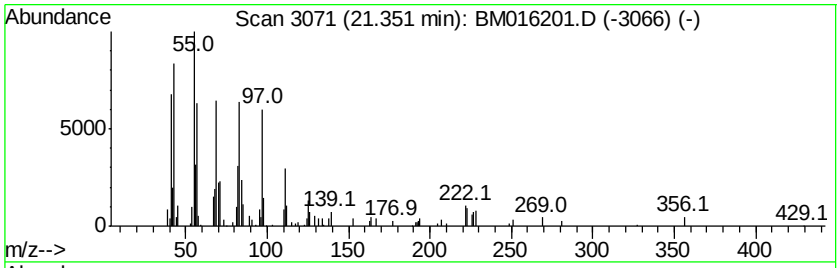
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

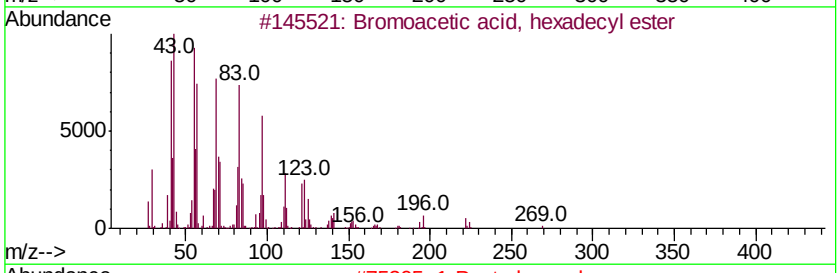
**********

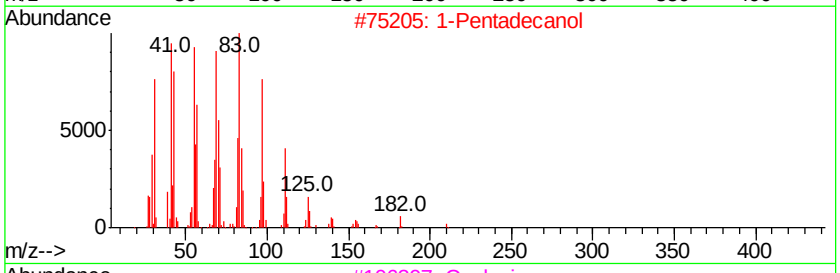
Peak Number 5 Bromoacetic acid, hexadecyl... Concentration Rank 5

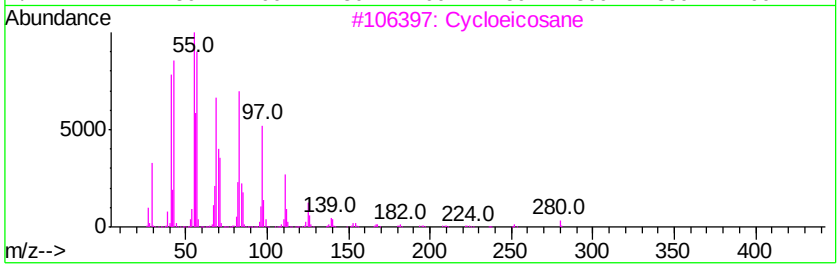
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.35 | 4.37 ng | 138394 | Chrysene-d12 | 21.66 |

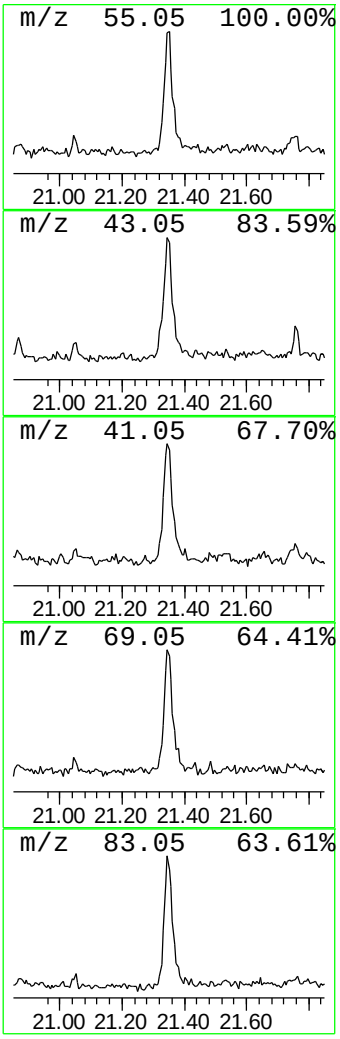
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Bromoacetic acid, hexadecyl ester | 362 | C18H35BrO2 | 005454-48-8 | 80 |
| 2 | 1-Pentadecanol | 228 | C15H32O | 000629-76-5 | 74 |
| 3 | Cycloeicosane | 280 | C20H40 | 000296-56-0 | 74 |
| 4 | Chloroacetic acid, pentadecyl ester | 304 | C17H33ClO2 | 070301-47-2 | 72 |
| 5 | 5-Eicosene, (E)- | 280 | C20H40 | 074685-30-6 | 72 |



# Tentatively Identified Compound (LSC) summary

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**Instrument :** BNA_M
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM072318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| 2-Pentanone, 4-hy... | 5.22 | 11.9 | ng | 173301 | 1 | 8.17 | 291222 | 20.0 |
| unknown7.70 | 7.70 | 100.2 | ng | 1458890 | 1 | 8.17 | 291222 | 20.0 |
| n-Hexadecanoic acid | 18.38 | 7.2 | ng | 174932 | 4 | 17.53 | 487563 | 20.0 |
| Bromoacetic acid,... | 21.35 | 4.4 | ng | 138394 | 5 | 21.66 | 633037 | 20.0 |