LSC Area Percent Report

Data Path : U:\HPCHEM1\BNA G\DATA\BG012718\
Data File : BG032356.D
Acq On : 27 Jan 2018 14:53
Operator : SJ/JU
Sample : J1328-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** RO-1-2

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:\HPCHEM1\BNA_G\METHODS\8270-BG011218.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 | 3.476 | 25 | 32 | 48 | rVB | 289253 | 559813 | 19.95% | 3.822% |
| 2 | 6.161 | 481 | 489 | 498 | rBV | 498543 | 859637 | 30.64% | 5.868% |
| 3 | 7.835 | 764 | 774 | 786 | rBV | 503957 | 938661 | 33.46% | 6.408% |
| 4 | 8.235 | 834 | 842 | 854 | rBV | 532376 | 986621 | 35.17% | 6.735% |
| 5 | 8.723 | 917 | 925 | 933 | rBV | 126385 | 231027 | 8.23% | 1.577% |
| 6 | 9.058 | 974 | 982 | 994 | rBB | 431560 | 799945 | 28.51% | 5.461% |
| 7 | 9.921 | 1120 | 1129 | 1141 | rBV | 301771 | 574174 | 20.47% | 3.920% |
| 8 | 11.602 | 1407 | 1415 | 1424 | rBV | 169407 | 313932 | 11.19% | 2.143% |
| 9 | 13.981 | 1813 | 1820 | 1831 | rVB | 1026247 | 1648653 | 58.77% | 11.254% |
| 10 | 14.780 | 1946 | 1956 | 1963 | rBV | 62255 | 97319 | 3.47% | 0.664% |
| 11 | 15.356 | 2044 | 2054 | 2064 | rVB3 | 278674 | 499399 | 17.80% | 3.409% |
| 12 | 16.137 | 2182 | 2187 | 2191 | rBV2 | 26120 | 40506 | 1.44% | 0.277% |
| 13 | 16.831 | 2299 | 2305 | 2313 | rBV | 969630 | 1553715 | 55.38% | 10.606% |
| 14 | 16.995 | 2329 | 2333 | 2336 | rBV6 | 22333 | 35150 | 1.25% | 0.240% |
| 15 | 18.088 | 2513 | 2519 | 2526 | rVB | 416316 | 639303 | 22.79% | 4.364% |
| 16 | 18.905 | 2654 | 2658 | 2667 | rBV3 | 62266 | 101610 | 3.62% | 0.694% |
| 17 | 20.145 | 2865 | 2869 | 2875 | rVB7 | 24372 | 34974 | 1.25% | 0.239% |
| 18 | 20.626 | 2945 | 2951 | 2957 | rBV | 2112249 | 2805479 | 100.00% | 19.151% |
| 19 | 21.954 | 3172 | 3177 | 3184 | rBV4 | 39922 | 59067 | 2.11% | 0.403% |
| 20 | 22.418 | 3248 | 3256 | 3264 | rBV | 473645 | 907062 | 32.33% | 6.192% |
| 21 | 26.096 | 3868 | 3882 | 3897 | rBV2 | 296429 | 962918 | 34.32% | 6.573% |

Sum of corrected areas: 14648965

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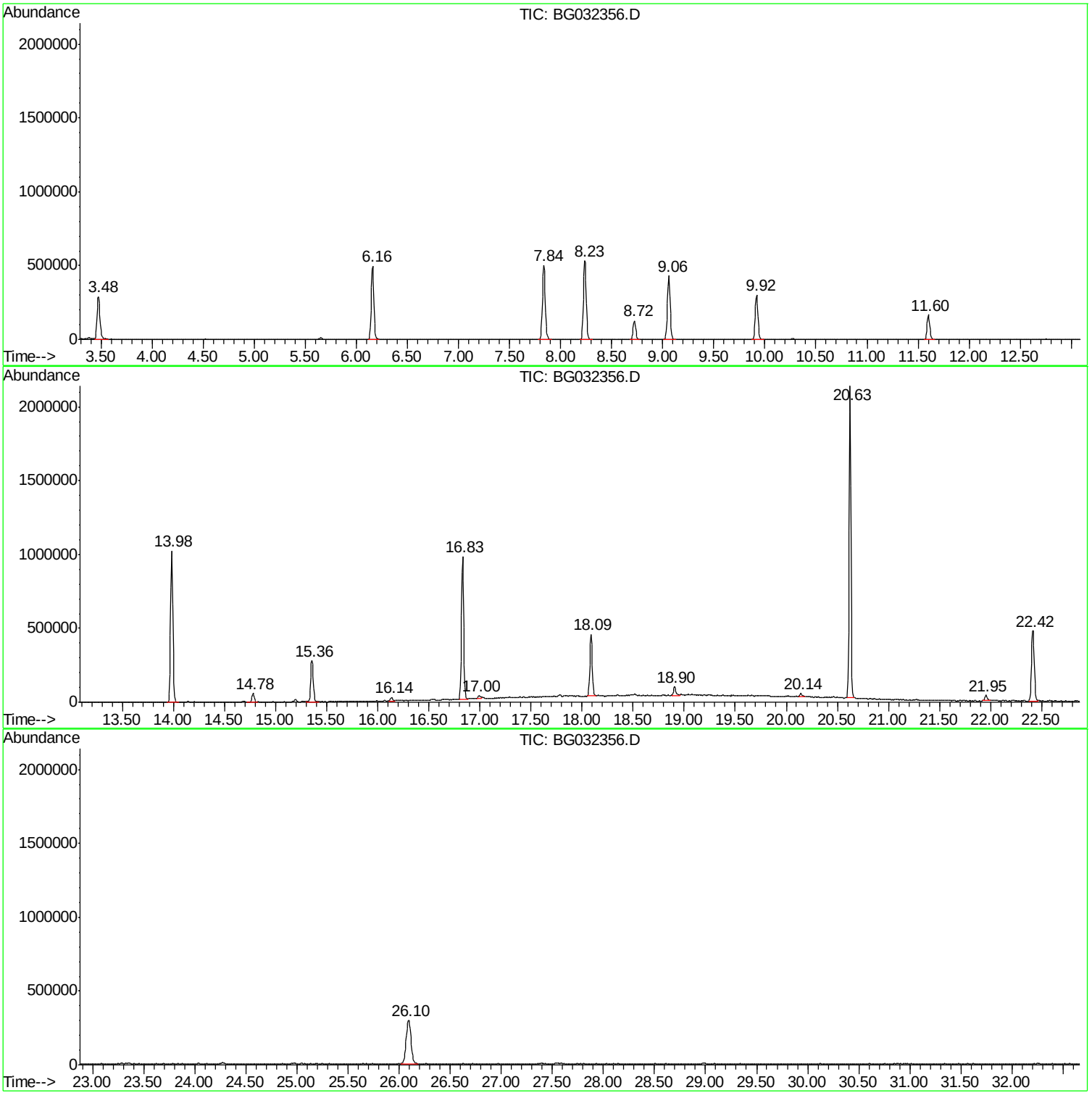
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG011218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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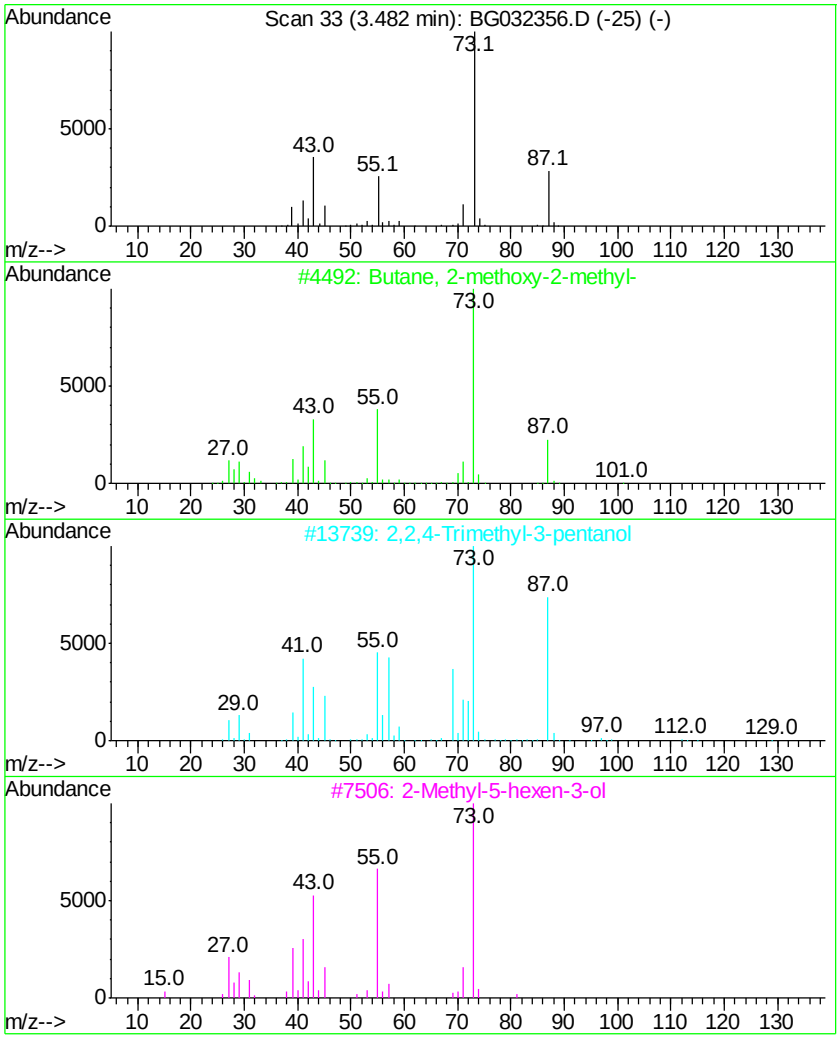
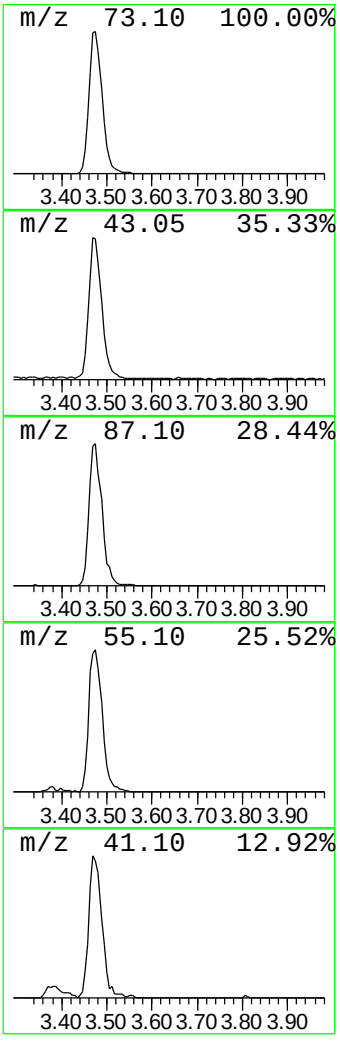
**********

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.48 | 48.46 ng | 559813 | 1,4-Dichlorobenzene-d4 | 8.73 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 78 |
| 2 | 2,2,4-Trimethyl-3-pentanol | 130 | C8H18O | 005162-48-1 | 40 |
| 3 | 2-Methyl-5-hexen-3-ol | 114 | C7H14O | 032815-70-6 | 25 |
| 4 | Acetamide, N-ethyl- | 87 | C4H9NO | 000625-50-3 | 22 |
| 5 | Silane, tetramethyl- | 88 | C4H12Si | 000075-76-3 | 9 |



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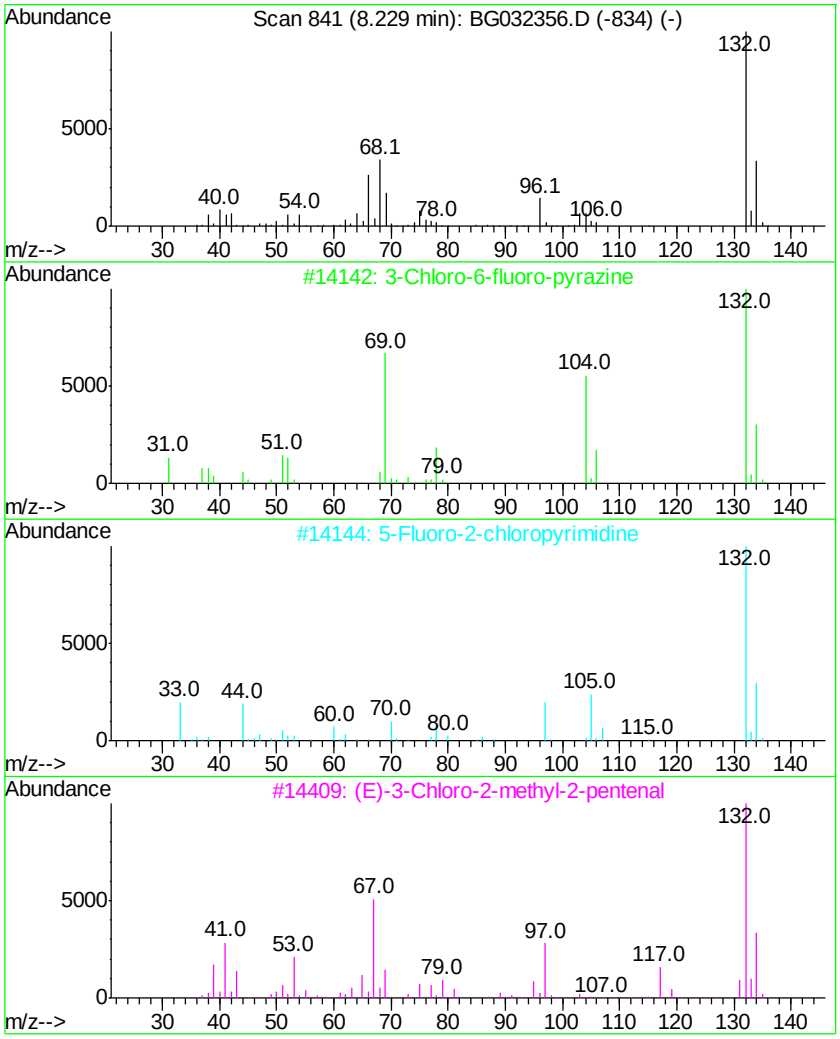
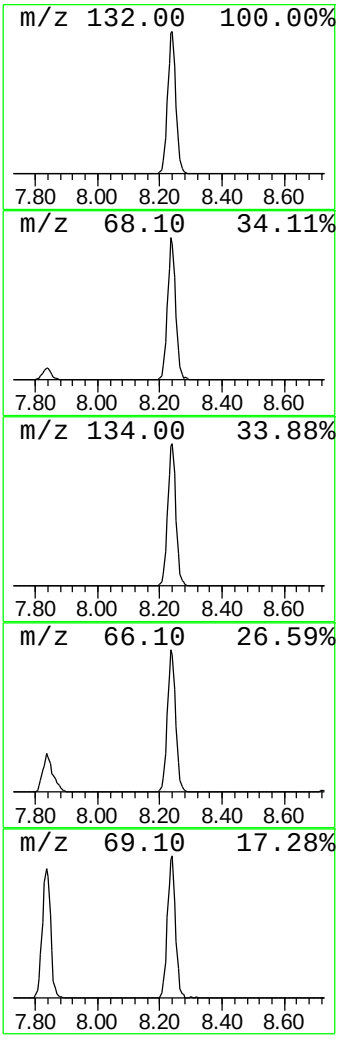
Peak Number 2 unknown8.23 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.23 | 85.41 ng | 986621 | 1,4-Dichlorobenzene-d4 | 8.73 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 25 |
| 2 | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0 | 17 |
| 3 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 17 |
| 4 | N-(-3,4-Methylenedioxyphenylisop... | 267 | C17H17NO2 | 1000378-96-6 | 10 |
| 5 | (5-Methyl-2-pyridyl)acetonitrile | 132 | C8H8N2 | 1000241-93-9 | 10 |



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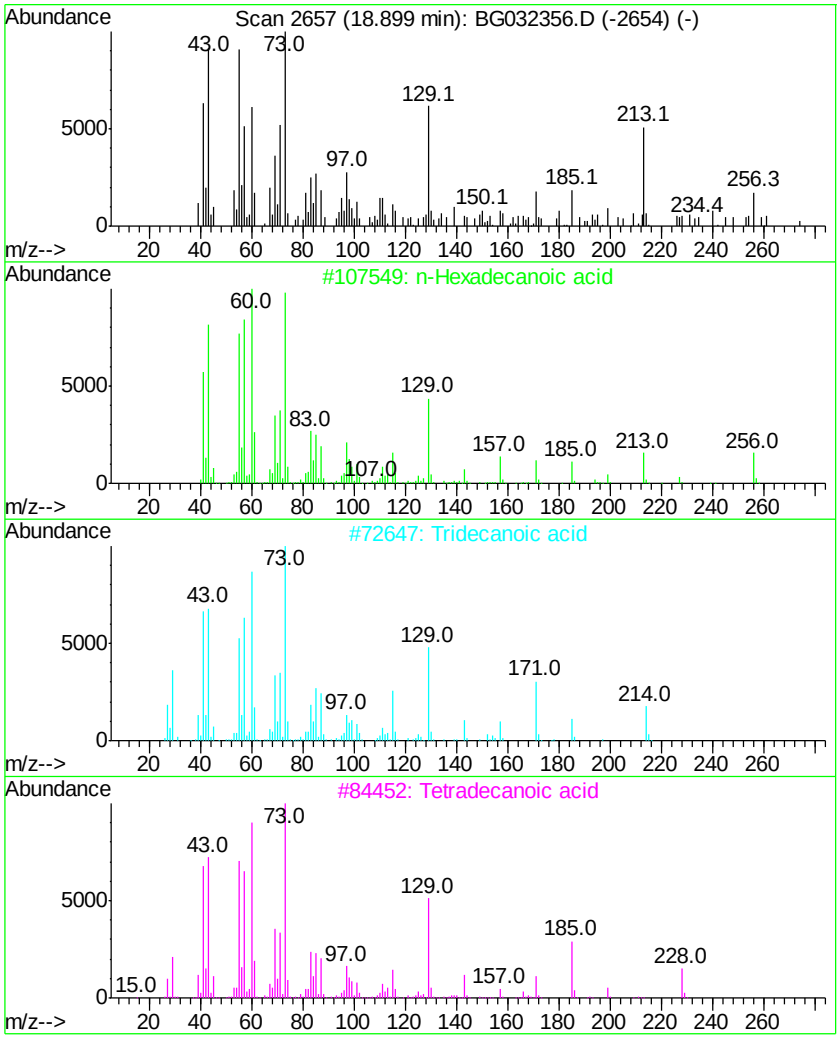
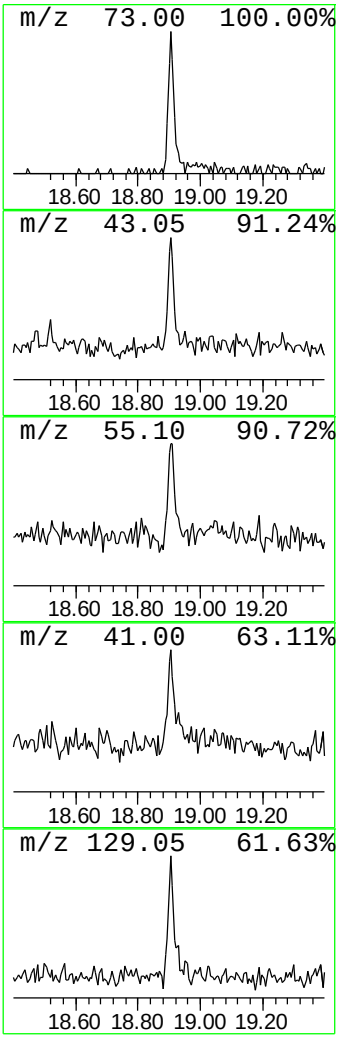
Peak Number 4 n-Hexadecanoic acid Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.90 | 3.18 ng | 101610 | Phenanthrene-d10 | 18.09 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 90 |
| 2 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 55 |
| 3 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 49 |
| 4 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 45 |
| 5 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 43 |



Tentatively Identified Compound (LSC) summary

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| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Butane, 2-methoxy... | 3.48 | 48.5 | ng | 559813 | 1 | 8.73 | 231027 | 20.0 |
| unknown8.23 | 8.23 | 85.4 | ng | 986621 | 1 | 8.73 | 231027 | 20.0 |
| n-Hexadecanoic acid | 18.90 | 3.2 | ng | 101610 | 4 | 18.09 | 639303 | 20.0 |