LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090420\
Data File : BG046539.D
Acq On : 4 Sep 2020 13:55
Operator : CG/JU
Sample : L3894-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** AL-FALAH-5

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_G\METHODS\8270-BG082520.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 | 3.135 | 3 | 8 | 26 | rVB | 240375 | 472082 | 11.45% | 2.362% |
| 2 | 5.050 | 328 | 334 | 344 | rVB | 36761 | 58555 | 1.42% | 0.293% |
| 3 | 5.520 | 406 | 414 | 426 | rBV | 881536 | 1441858 | 34.98% | 7.213% |
| 4 | 7.101 | 675 | 683 | 701 | rBV | 837058 | 1506313 | 36.54% | 7.536% |
| 5 | 7.929 | 817 | 824 | 832 | rVB | 251149 | 410744 | 9.96% | 2.055% |
| 6 | 9.081 | 1012 | 1020 | 1036 | rBV | 546642 | 1014683 | 24.61% | 5.076% |
| 7 | 10.726 | 1292 | 1300 | 1314 | rBV | 317505 | 579170 | 14.05% | 2.897% |
| 8 | 13.182 | 1711 | 1718 | 1727 | rBV | 1586592 | 2464177 | 59.78% | 12.327% |
| 9 | 14.010 | 1853 | 1859 | 1871 | rBV | 114922 | 187322 | 4.54% | 0.937% |
| 10 | 14.557 | 1943 | 1952 | 1965 | rBV2 | 532590 | 839740 | 20.37% | 4.201% |
| 11 | 16.043 | 2199 | 2205 | 2227 | rBV | 1092354 | 1817077 | 44.08% | 9.090% |
| 12 | 17.301 | 2412 | 2419 | 2434 | rBV | 694436 | 1070370 | 25.97% | 5.355% |
| 13 | 18.200 | 2567 | 2572 | 2580 | rBV2 | 37729 | 66305 | 1.61% | 0.332% |
| 14 | 19.915 | 2858 | 2864 | 2877 | rBV | 2997831 | 4122290 | 100.00% | 20.622% |
| 15 | 21.126 | 3064 | 3070 | 3073 | rBV2 | 31269 | 52032 | 1.26% | 0.260% |
| 16 | 21.214 | 3080 | 3085 | 3094 | rBV3 | 264796 | 457336 | 11.09% | 2.288% |
| 17 | 21.284 | 3094 | 3097 | 3103 | rVB | 43157 | 66695 | 1.62% | 0.334% |
| 18 | 21.549 | 3135 | 3142 | 3154 | rBV2 | 776877 | 1318944 | 32.00% | 6.598% |
| 19 | 21.966 | 3206 | 3213 | 3219 | rBV3 | 42063 | 91770 | 2.23% | 0.459% |
| 20 | 22.342 | 3272 | 3277 | 3287 | rBV3 | 49915 | 110016 | 2.67% | 0.550% |
| 21 | 22.935 | 3373 | 3378 | 3385 | rVV3 | 38235 | 82534 | 2.00% | 0.413% |
| 22 | 23.012 | 3385 | 3391 | 3398 | rVB2 | 63212 | 123986 | 3.01% | 0.620% |
| 23 | 23.781 | 3517 | 3522 | 3530 | rVB2 | 61796 | 120583 | 2.93% | 0.603% |
| 24 | 24.651 | 3659 | 3670 | 3689 | rBV2 | 461854 | 1423591 | 34.53% | 7.122% |
| 25 | 25.773 | 3854 | 3861 | 3869 | rVB5 | 34325 | 91350 | 2.22% | 0.457% |

Sum of corrected areas: 19989523

LSC Report - Integrated Chromatogram

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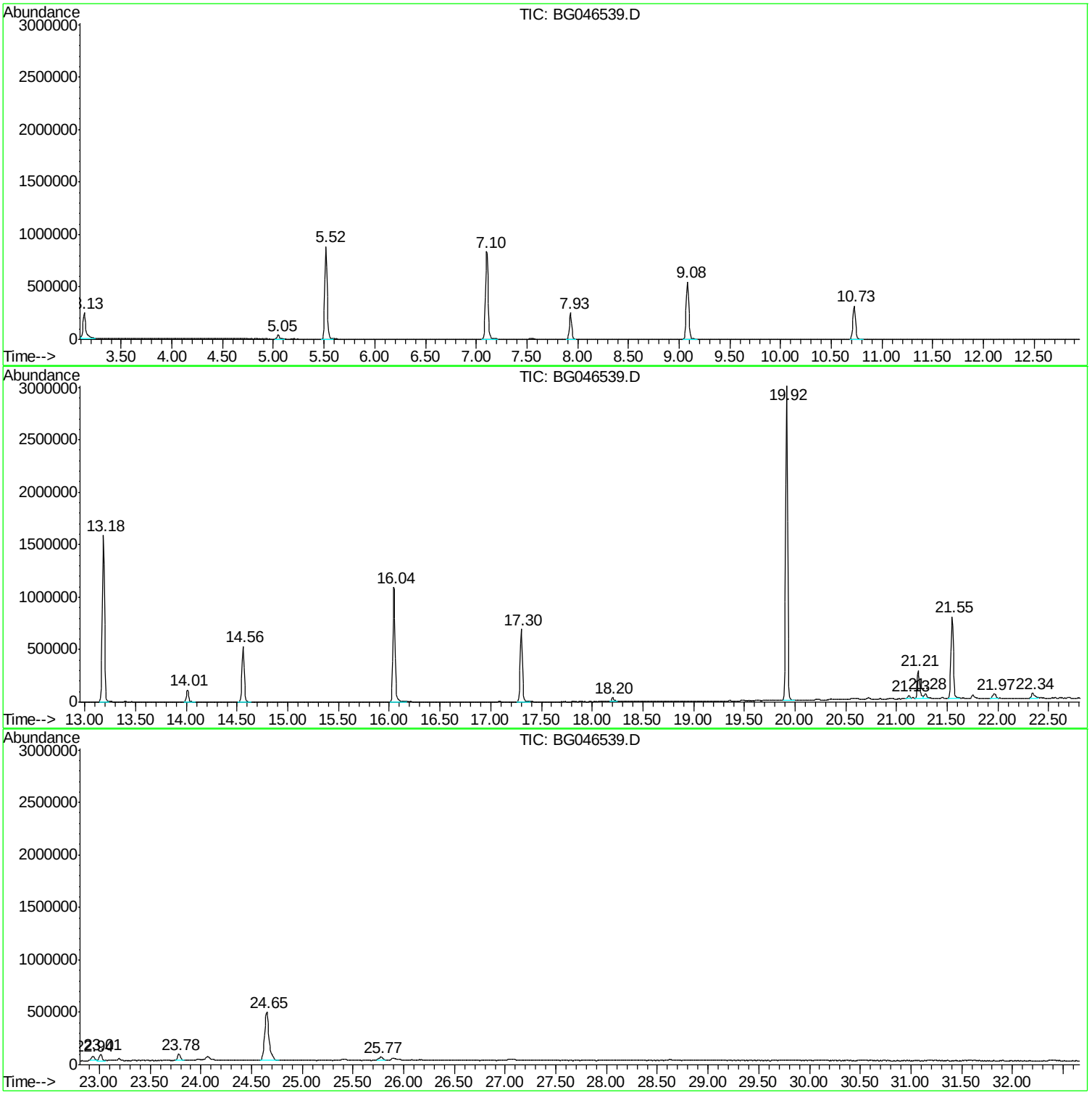
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
AL-FALAH-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG082520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

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Data File : BG046539.D
Acq On : 4 Sep 2020 13:55
Operator : CG/JU
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ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** AL-FALAH-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG082520.M
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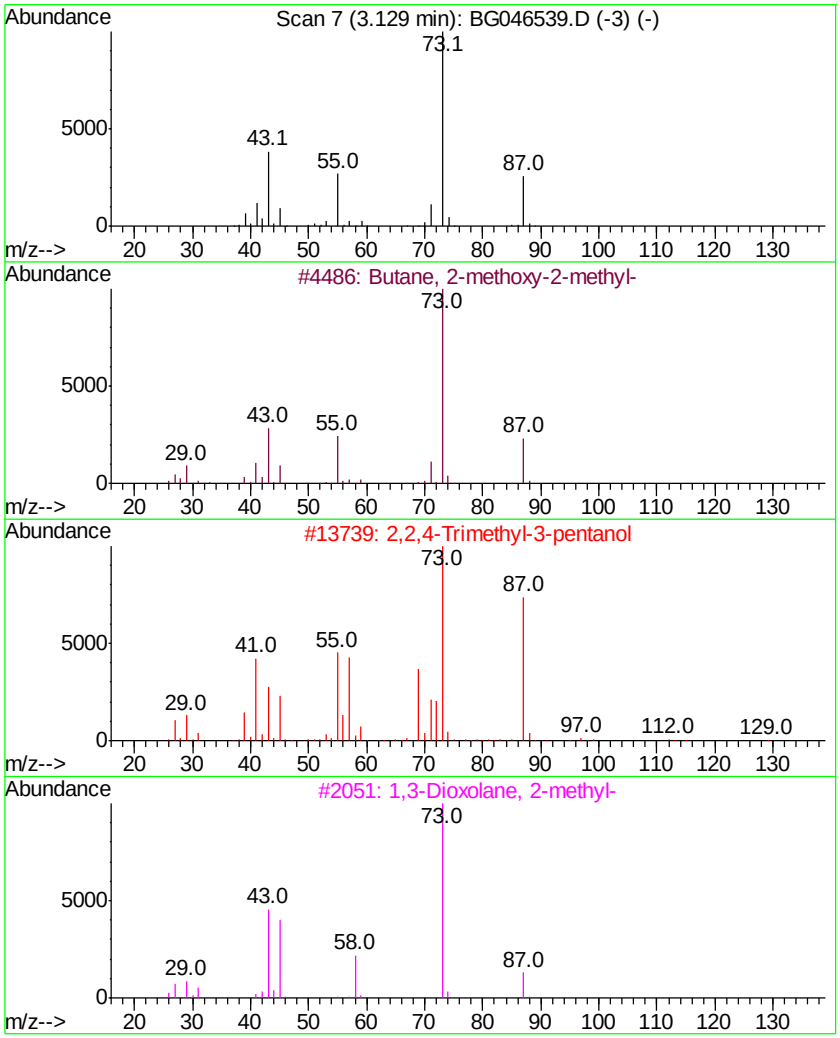
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

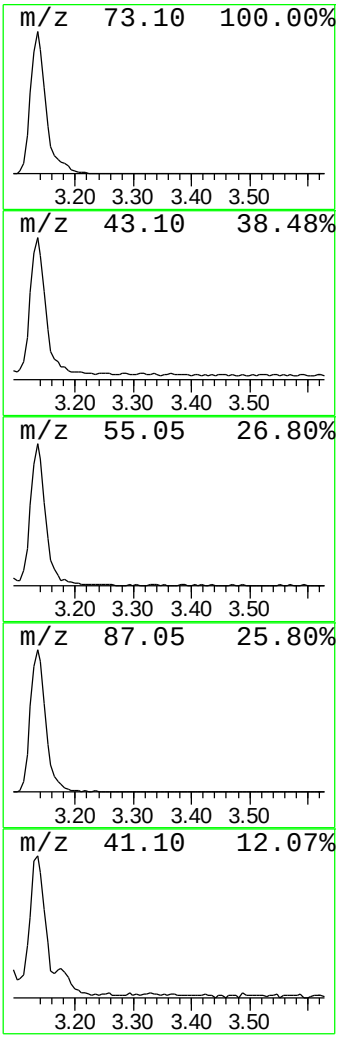
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.13 | 22.99 ng | 472082 | 1,4-Dichlorobenzene-d4 | 7.93 |

| 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 | 39 |
| 3 | 1,3-Dioxolane, 2-methyl- | 88 | C4H8O2 | 000497-26-7 | 25 |
| 4 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 23 |
| 5 | N-Ethylformamide | 73 | C3H7NO | 000627-45-2 | 9 |



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ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** AL-FALAH-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG082520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

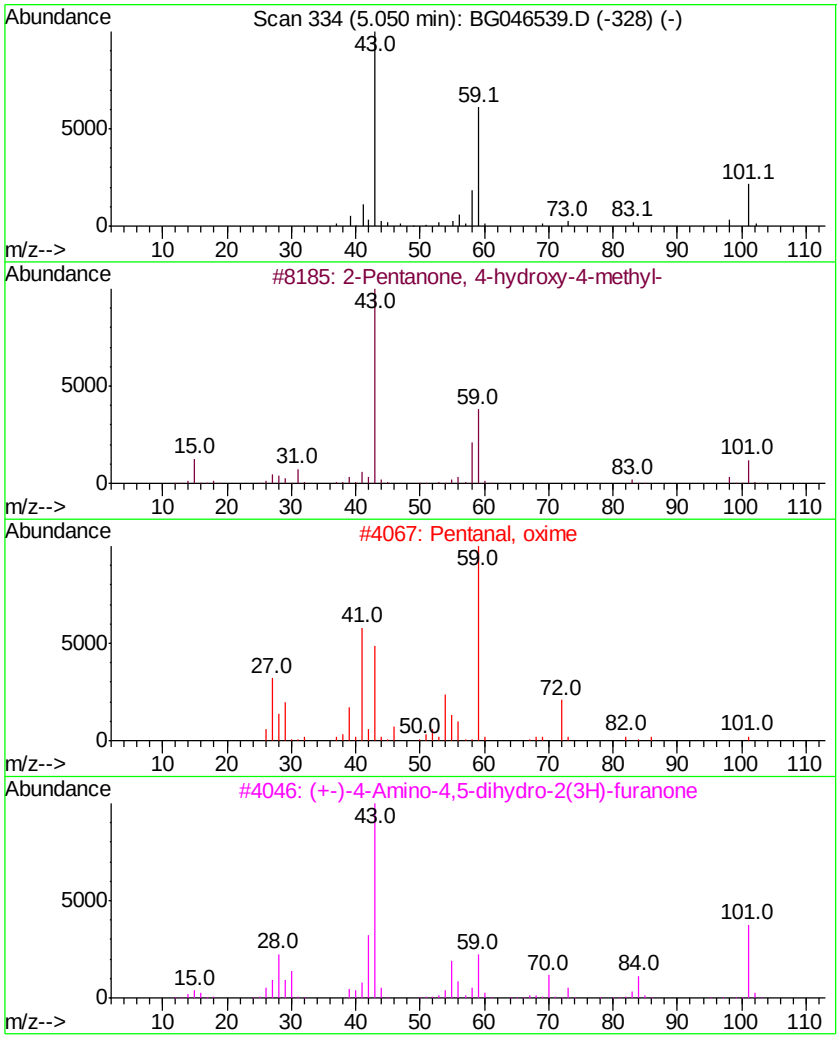
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

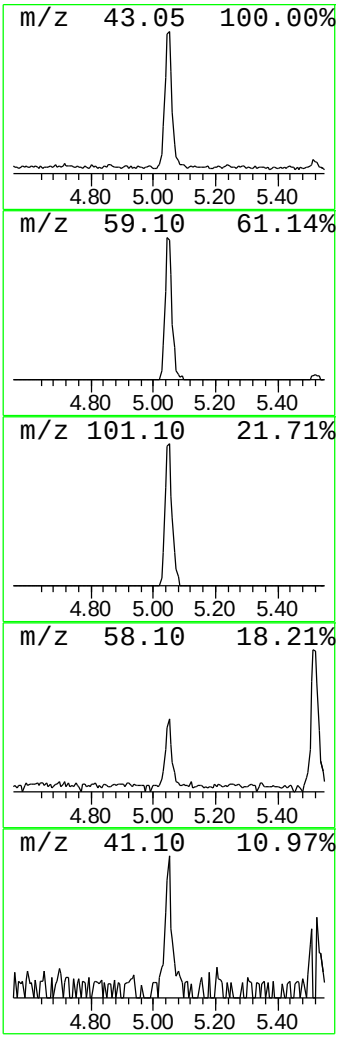
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.05 | 2.85 ng | 58555 | 1,4-Dichlorobenzene-d4 | 7.93 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 45 |
| 2 | Pentanal, oxime | 101 | C5H11NO | 000628-79-5 | 23 |
| 3 | (+-)-4-Amino-4,5-dihydro-2(3H)-f... | 101 | C4H7NO2 | 016504-58-8 | 9 |
| 4 | Morpholine, 4-methyl- | 101 | C5H11NO | 000109-02-4 | 9 |
| 5 | Silane, ethyldimethyl- | 88 | C4H12Si | 000758-21-4 | 9 |



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Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** AL-FALAH-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG082520.M
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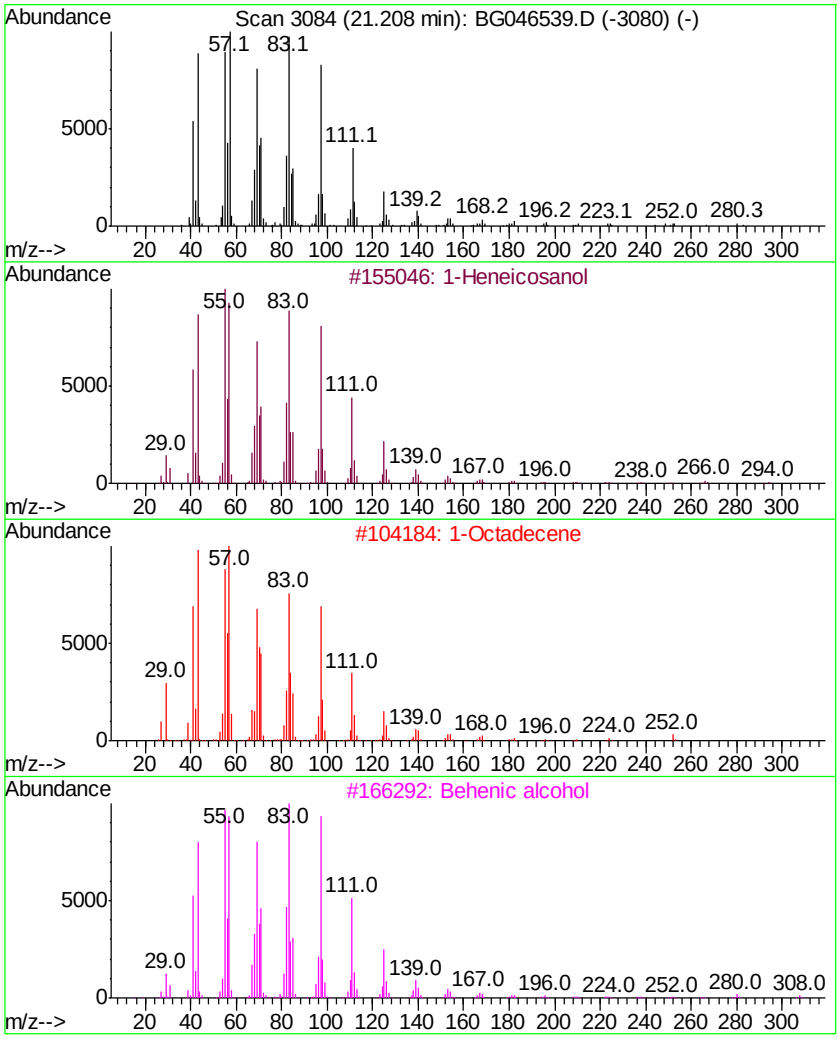
TIC Integration Parameters: LSCINT.P

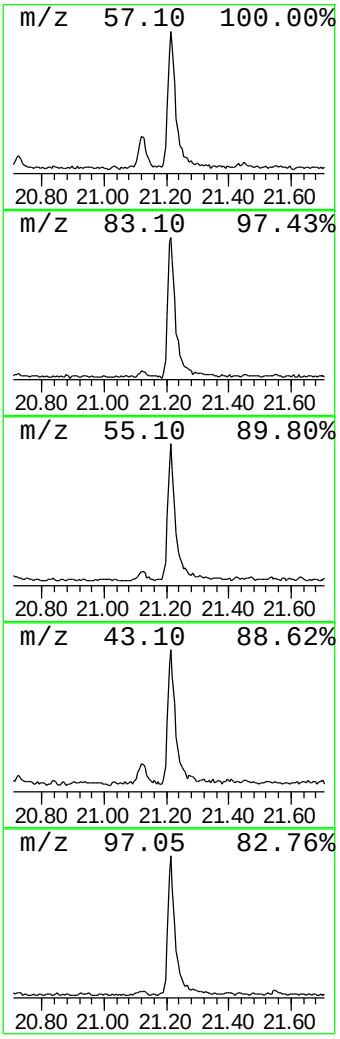
**********

Peak Number 3 1-Heneicosanol Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.21 | 6.93 ng | 457336 | Chrysene-d12 | 21.55 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Heneicosanol | 312 | C21H44O | 015594-90-8 | 95 |
| 2 | 1-Octadecene | 252 | C18H36 | 000112-88-9 | 95 |
| 3 | Behenic alcohol | 326 | C22H46O | 000661-19-8 | 95 |
| 4 | Trifluoroacetoxy hexadecane | 338 | C18H33F3O2 | 006222-03-3 | 94 |
| 5 | n-Tetracosanol-1 | 354 | C24H50O | 000506-51-4 | 94 |



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... | 3.13 | 23.0 | ng | 472082 | 1 | 7.93 | 410744 | 20.0 |
| 2-Pentanone, 4-hy... | 5.05 | 2.9 | ng | 58555 | 1 | 7.93 | 410744 | 20.0 |
| 1-Heneicosanol | 21.21 | 6.9 | ng | 457336 | 5 | 21.55 | 1318940 | 20.0 |