LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100418\
Data File : BF109601.D
Acq On : 4 Oct 2018 21:36
Operator : JU/SJ
Sample : J5244-04 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** OILY-WATER

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_F\METHODS\8270-BF092218.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 | 5.316 | 546 | 549 | 562 | rBV | 16735 | 31675 | 4.28% | 0.599% |
| 2 | 6.357 | 721 | 726 | 735 | rBV3 | 10284 | 27329 | 3.70% | 0.517% |
| 3 | 6.475 | 743 | 746 | 761 | rBV | 90660 | 133342 | 18.03% | 2.522% |
| 4 | 6.704 | 781 | 785 | 799 | rBV | 424159 | 494012 | 66.80% | 9.342% |
| 5 | 6.857 | 807 | 811 | 827 | rVB | 148445 | 149523 | 20.22% | 2.828% |
| 6 | 7.263 | 877 | 880 | 897 | rBV | 50718 | 105724 | 14.30% | 1.999% |
| 7 | 7.981 | 999 | 1002 | 1019 | rBV | 608929 | 678875 | 91.79% | 12.838% |
| 8 | 9.057 | 1182 | 1185 | 1202 | rBV | 225018 | 233888 | 31.63% | 4.423% |
| 9 | 9.451 | 1249 | 1252 | 1262 | rBV | 25519 | 25483 | 3.45% | 0.482% |
| 10 | 9.733 | 1296 | 1300 | 1318 | rBV | 765871 | 739560 | 100.00% | 13.986% |
| 11 | 10.151 | 1367 | 1371 | 1374 | rBV | 298865 | 243232 | 32.89% | 4.600% |
| 12 | 10.516 | 1430 | 1433 | 1445 | rBV | 66413 | 84976 | 11.49% | 1.607% |
| 13 | 11.210 | 1547 | 1551 | 1567 | rBV | 639883 | 621878 | 84.09% | 11.760% |
| 14 | 12.786 | 1816 | 1819 | 1828 | rVB | 179745 | 163692 | 22.13% | 3.096% |
| 15 | 13.698 | 1971 | 1974 | 1982 | rBV5 | 7587 | 14110 | 1.91% | 0.267% |
| 16 | 13.833 | 1994 | 1997 | 2010 | rVB | 561046 | 558832 | 75.56% | 10.568% |
| 17 | 14.280 | 2069 | 2073 | 2076 | rBV2 | 22215 | 26901 | 3.64% | 0.509% |
| 18 | 14.316 | 2076 | 2079 | 2082 | rVB2 | 14803 | 13405 | 1.81% | 0.253% |
| 19 | 14.610 | 2125 | 2129 | 2134 | rVB | 35991 | 33978 | 4.59% | 0.643% |
| 20 | 14.921 | 2178 | 2182 | 2187 | rBV | 44172 | 49193 | 6.65% | 0.930% |
| 21 | 15.239 | 2231 | 2236 | 2240 | rBV | 481713 | 584258 | 79.00% | 11.049% |
| 22 | 15.268 | 2240 | 2241 | 2248 | rVB | 68788 | 69324 | 9.37% | 1.311% |
| 23 | 15.668 | 2304 | 2309 | 2316 | rVB | 60929 | 92107 | 12.45% | 1.742% |
| 24 | 16.127 | 2383 | 2387 | 2393 | rVB2 | 46041 | 71151 | 9.62% | 1.346% |
| 25 | 16.668 | 2473 | 2479 | 2485 | rBV3 | 20634 | 41533 | 5.62% | 0.785% |

Sum of corrected areas: 5287981

LSC Report - Integrated Chromatogram

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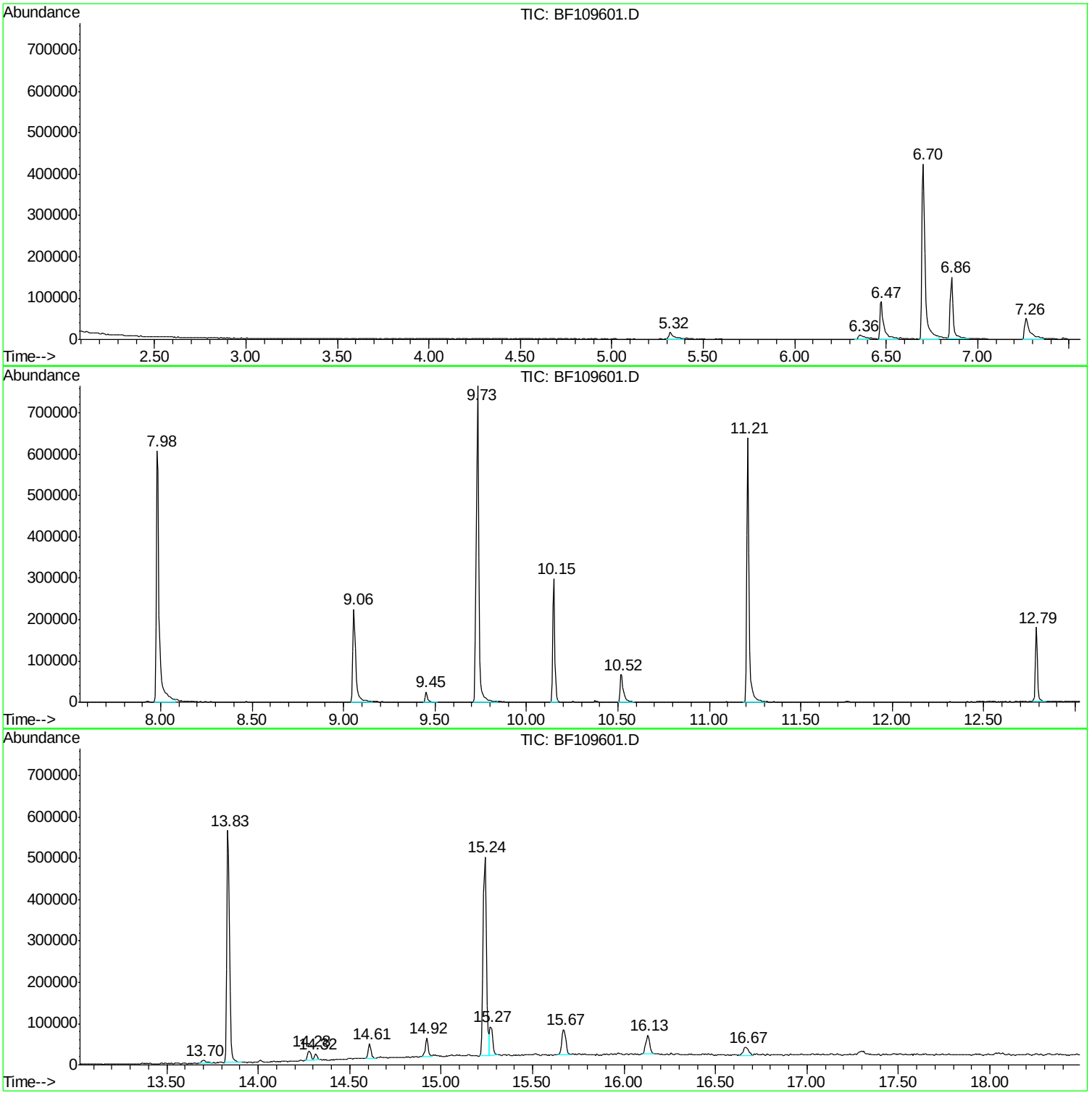
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** OILY-WATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.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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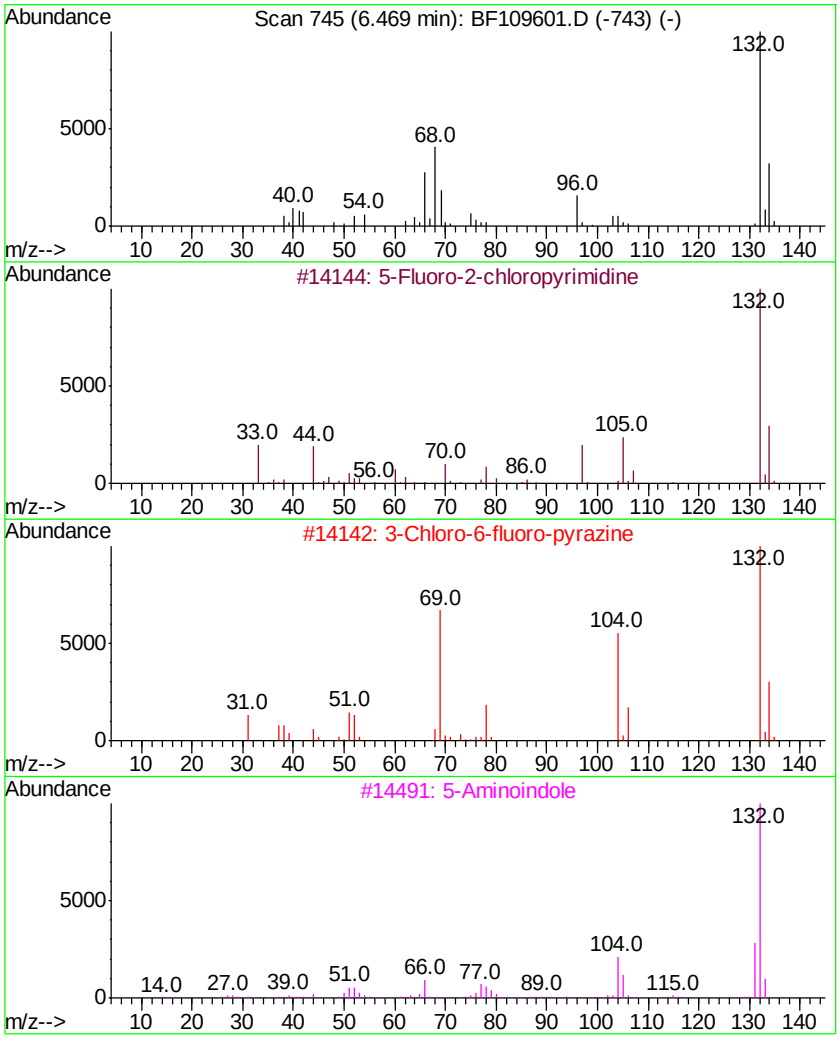
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

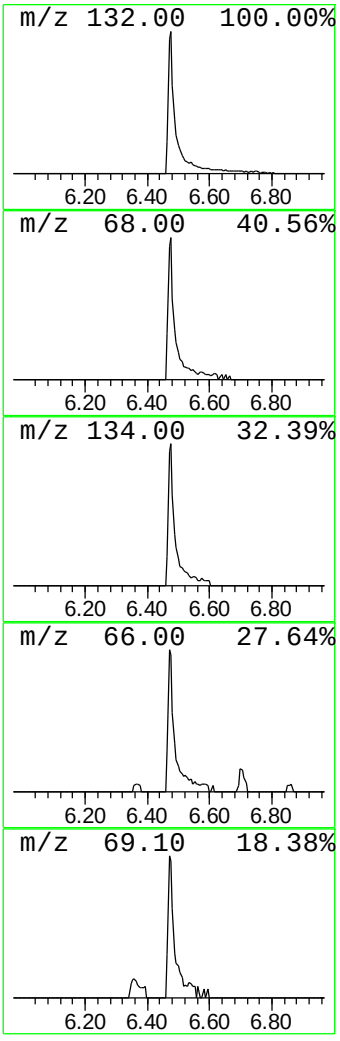
**********

Peak Number 1 unknown6.47 Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.47 | 5.40 ng | 133342 | 1,4-Dichlorobenzene-d4 | 6.70 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0 | 27 |
| 2 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 27 |
| 3 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 10 |
| 4 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 9 |
| 5 | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2 | 022291-85-6 | 9 |



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ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** OILY-WATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
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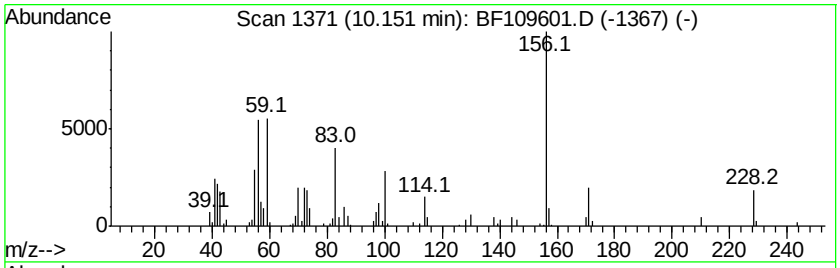
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

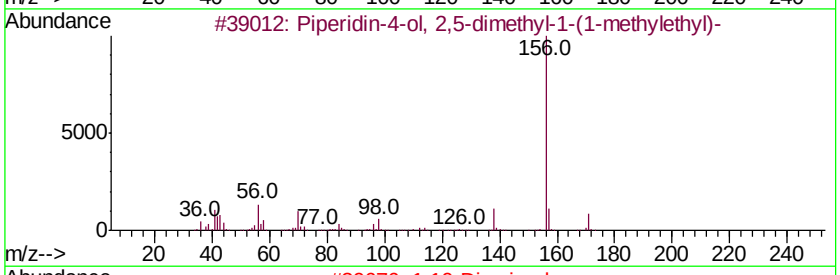
**********

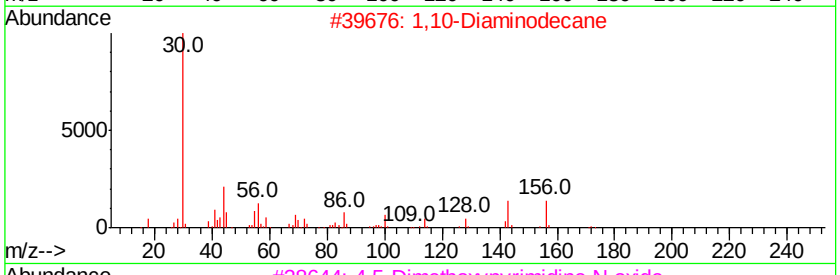
Peak Number 3 unknown10.15 Concentration Rank 1

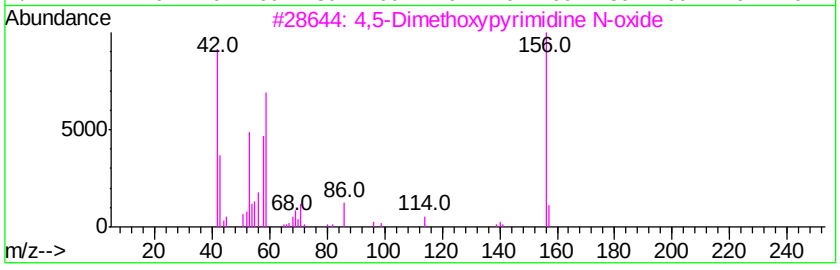
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.15 | 6.58 ng | 243232 | Acenaphthene-d10 | 9.73 |

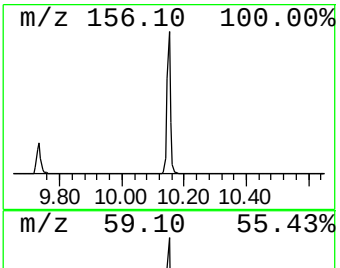
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Piperidin-4-ol, 2,5-dimethyl-1-(... | 171 | C10H21NO | 1000271-57-8 | 43 |
| 2 | 1,10-Diaminodecane | 172 | C10H24N2 | 000646-25-3 | 38 |
| 3 | 4,5-Dimethoxypyrimidine N-oxide | 156 | C6H8N2O3 | 114969-59-4 | 35 |
| 4 | Oxalic acid, monoamide, N,N-dibu... | 383 | C23H45NO3 | 1000309-46-7 | 27 |
| 5 | (S)-(-)-.alpha.-(1-Naphthyl)ethy... | 171 | C12H13N | 010420-89-0 | 22 |

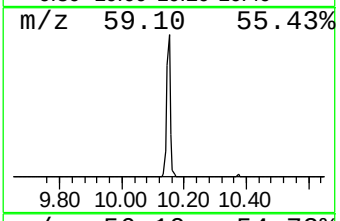


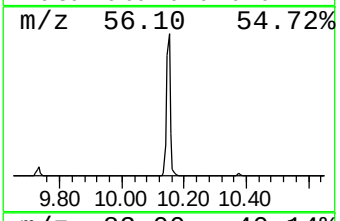



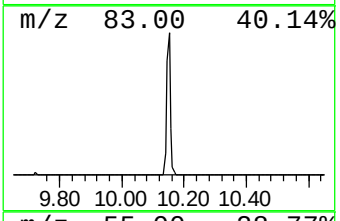



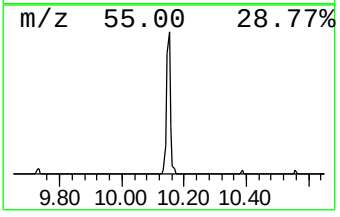



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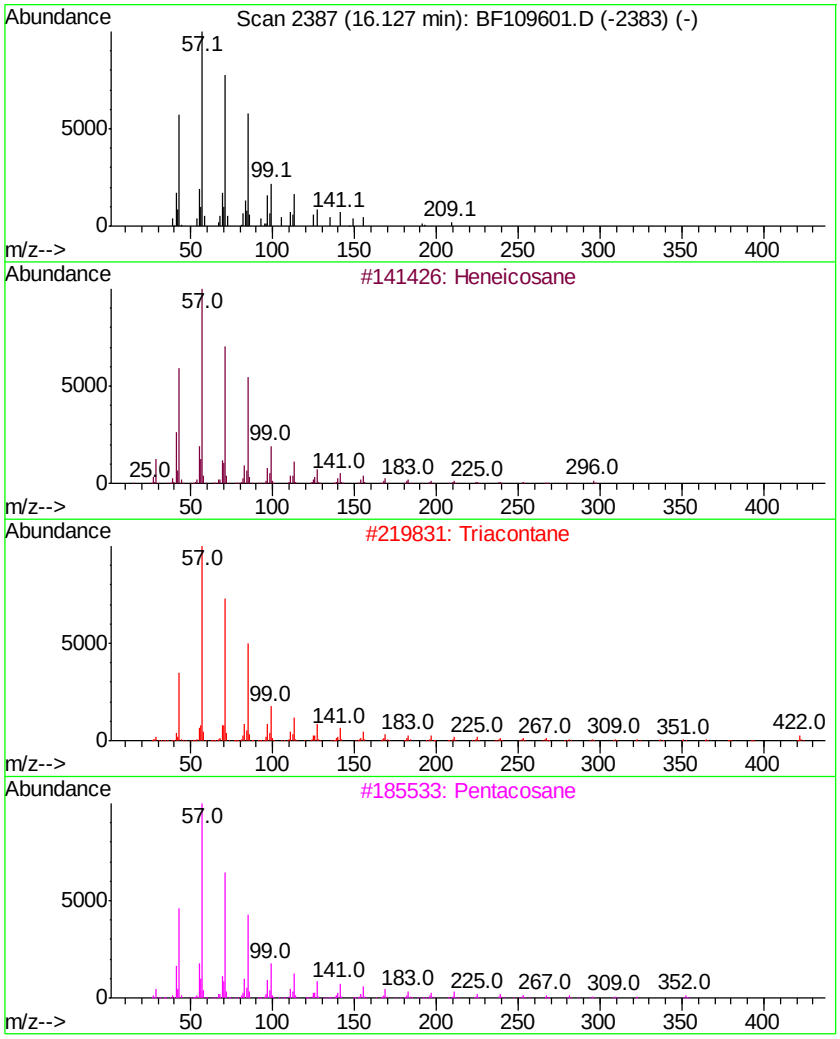
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

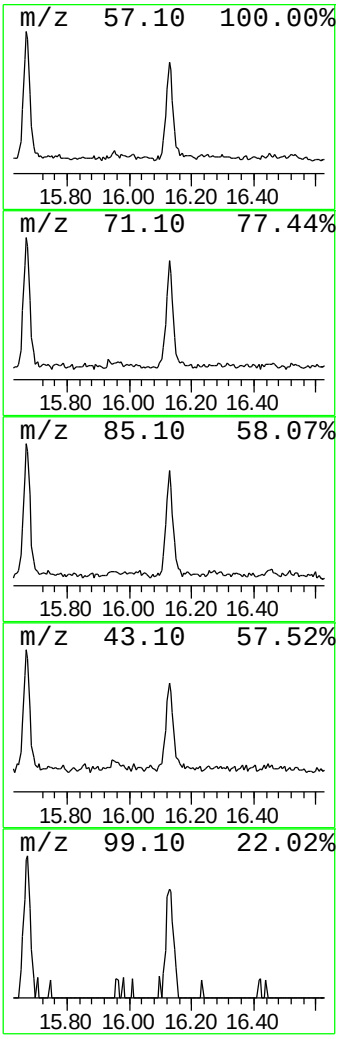
**********

Peak Number 5 Heneicosane Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.13 | 2.44 ng | 71151 | Perylene-d12 | 15.24 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 2 | Triacontane | 422 | C30H62 | 000638-68-6 | 90 |
| 3 | Pentacosane | 352 | C25H52 | 000629-99-2 | 87 |
| 4 | Hexacosane | 366 | C26H54 | 000630-01-3 | 83 |
| 5 | Octacosane | 394 | C28H58 | 000630-02-4 | 80 |



Tentatively Identified Compound (LSC) summary

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| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| unknown6.47 | 6.47 | 5.4 | ng | 133342 | 1 | 6.70 | 494012 | 20.0 |
| unknown10.15 | 10.15 | 6.6 | ng | 243232 | 3 | 9.73 | 739560 | 20.0 |
| Heneicosane | 16.13 | 2.4 | ng | 71151 | 6 | 15.24 | 584258 | 20.0 |