LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052916\
Data File : BF087525.D
Acq On : 29 May 2016 22:49
Operator : UM/SJ
Sample : H3222-10
Misc :
ALS Vial : 47 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-27

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_F\METHODS\8270-BF052316.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 | 4.799 | 279 | 281 | 288 | rBV | 10047 | 45715 | 1.11% | 0.173% |
| 2 | 5.382 | 329 | 332 | 354 | rBV | 467460 | 1475465 | 35.96% | 5.568% |
| 3 | 7.039 | 475 | 477 | 482 | rBV | 320436 | 828975 | 20.20% | 3.128% |
| 4 | 7.119 | 482 | 484 | 501 | rVB | 1860574 | 3283960 | 80.04% | 12.392% |
| 5 | 7.473 | 513 | 515 | 526 | rBV | 420075 | 757028 | 18.45% | 2.857% |
| 6 | 7.702 | 532 | 535 | 552 | rVB | 1911509 | 2680038 | 65.32% | 10.113% |
| 7 | 8.388 | 593 | 595 | 629 | rBV | 1627529 | 2503444 | 61.02% | 9.447% |
| 8 | 9.508 | 691 | 693 | 708 | rBV | 488017 | 903030 | 22.01% | 3.408% |
| 9 | 11.279 | 845 | 848 | 866 | rBV | 3170450 | 4102862 | 100.00% | 15.482% |
| 10 | 12.011 | 909 | 912 | 922 | rBV | 27259 | 66603 | 1.62% | 0.251% |
| 11 | 12.331 | 938 | 940 | 955 | rBV | 662383 | 1019055 | 24.84% | 3.845% |
| 12 | 13.165 | 1009 | 1013 | 1015 | rBV2 | 28602 | 63090 | 1.54% | 0.238% |
| 13 | 13.622 | 1050 | 1053 | 1076 | rBV | 1445868 | 2391908 | 58.30% | 9.026% |
| 14 | 13.931 | 1078 | 1080 | 1086 | rVB | 25256 | 43396 | 1.06% | 0.164% |
| 15 | 14.742 | 1149 | 1151 | 1167 | rVB | 465867 | 944986 | 23.03% | 3.566% |
| 16 | 16.926 | 1340 | 1342 | 1345 | rBV2 | 227406 | 248806 | 6.06% | 0.939% |
| 17 | 17.040 | 1350 | 1352 | 1354 | rVB | 39866 | 43000 | 1.05% | 0.162% |
| 18 | 17.086 | 1354 | 1356 | 1370 | rBV | 3027539 | 3626107 | 88.38% | 13.683% |
| 19 | 17.851 | 1421 | 1423 | 1426 | rBV | 97948 | 136320 | 3.32% | 0.514% |
| 20 | 18.331 | 1463 | 1465 | 1475 | rBV2 | 22195 | 76599 | 1.87% | 0.289% |
| 21 | 18.457 | 1475 | 1476 | 1495 | rVV2 | 309077 | 719345 | 17.53% | 2.714% |
| 22 | 20.149 | 1622 | 1624 | 1637 | rBV | 179973 | 540829 | 13.18% | 2.041% |

Sum of corrected areas: 26500561

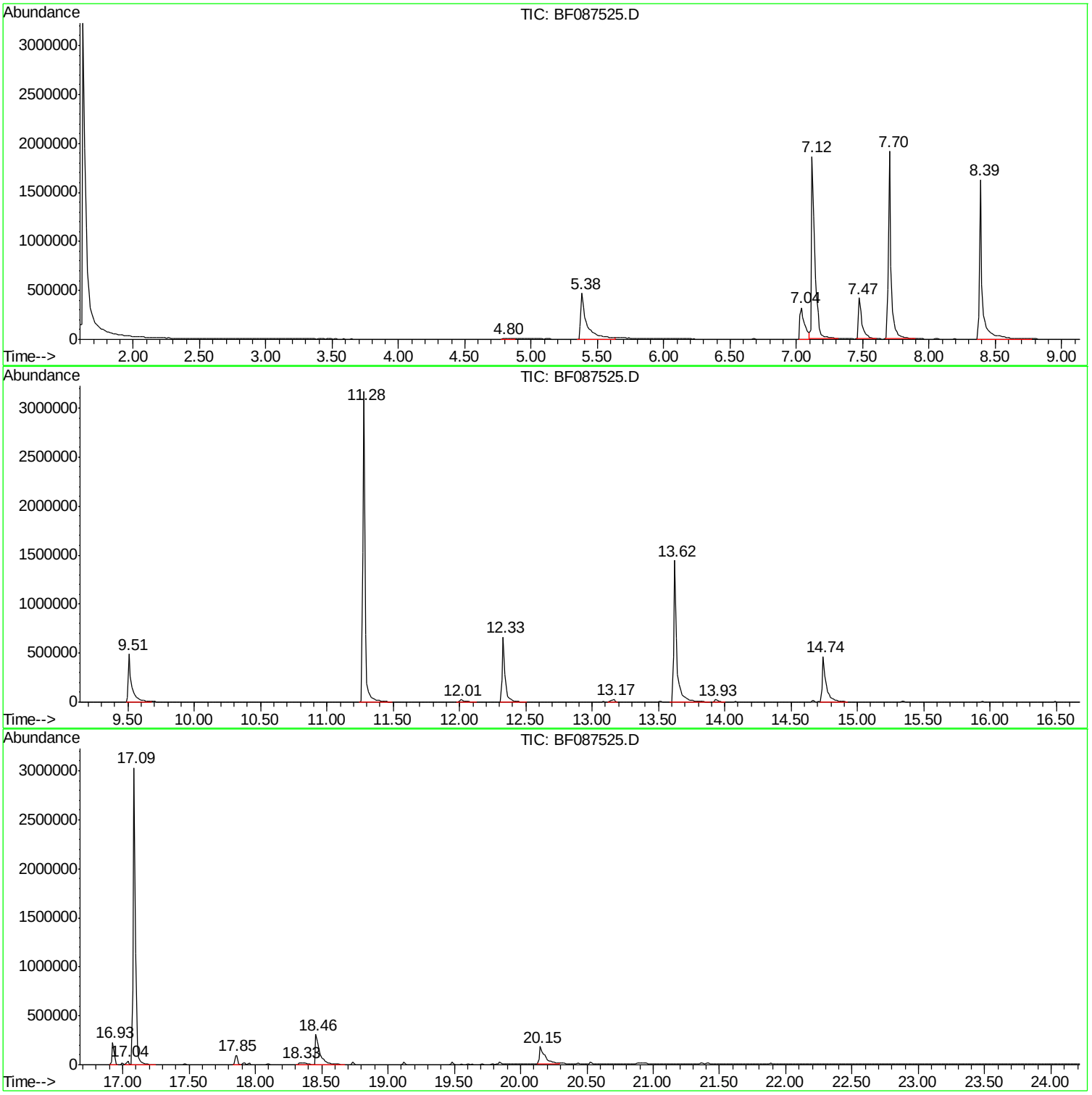
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052916\
Data File : BF087525.D
Acq On : 29 May 2016 22:49
Operator : UM/SJ
Sample : H3222-10
Misc :
ALS Vial : 47 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-27

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.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

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052916\
Data File : BF087525.D
Acq On : 29 May 2016 22:49
Operator : UM/SJ
Sample : H3222-10
Misc :
ALS Vial : 47 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-27

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

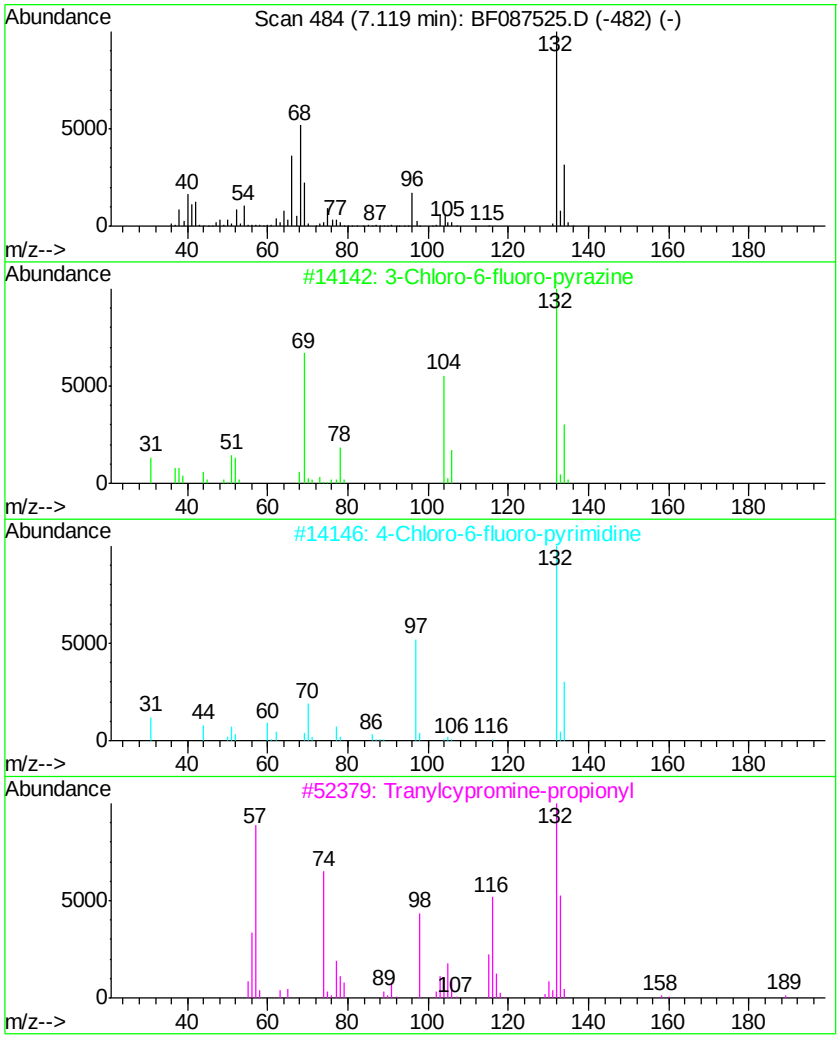
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

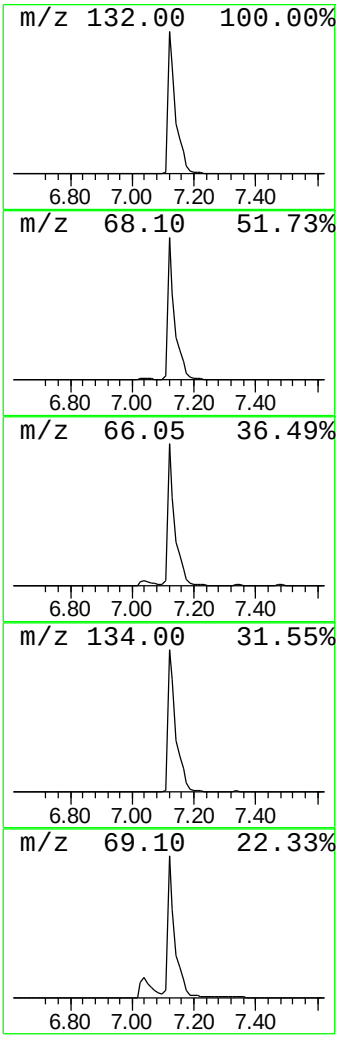
**********

Peak Number 1 unknown7.12 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.12 | 86.76 ng | 3283960 | 1,4-Dichlorobenzene-d4 | 7.47 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 27 |
| 2 | 4-Chloro-6-fluoro-pyrimidine | 132 | C4H2ClFN2 | 051422-01-6 | 27 |
| 3 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 22 |
| 4 | 1H-Benzimidazole, 2-methyl- | 132 | C8H8N2 | 000615-15-6 | 22 |
| 5 | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0 | 12 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052916\
Data File : BF087525.D
Acq On : 29 May 2016 22:49
Operator : UM/SJ
Sample : H3222-10
Misc :
ALS Vial : 47 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-27

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

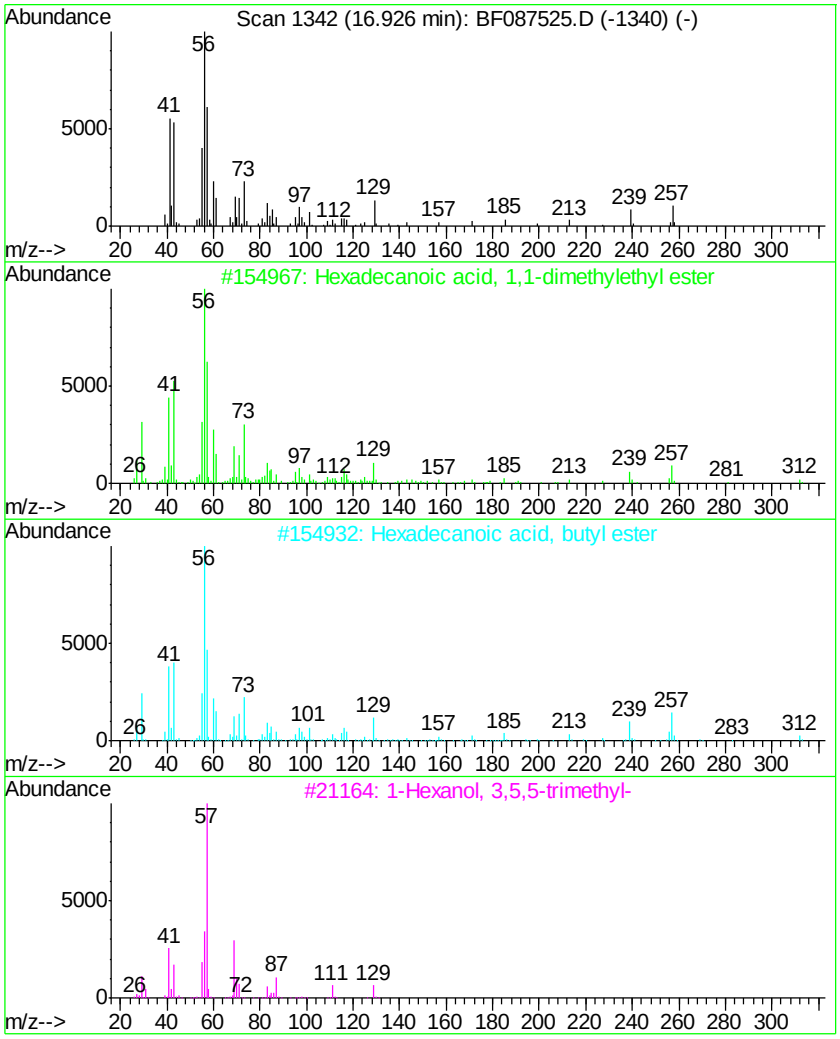
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

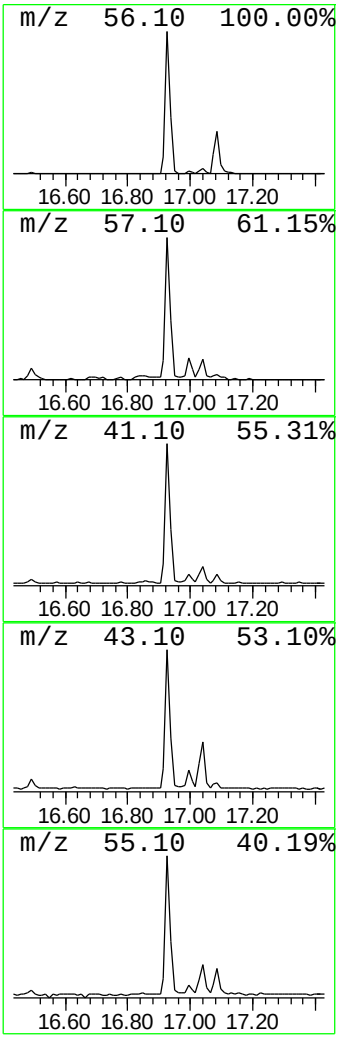
**********

Peak Number 3 Hexadecanoic acid, 1,1-dime... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.93 | 6.92 ng | 248806 | Chrysene-d12 | 18.46 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecanoic acid, 1,1-dimethyle... | 312 | C20H40O2 | 031158-91-5 | 62 |
| 2 | Hexadecanoic acid, butyl ester | 312 | C20H40O2 | 000111-06-8 | 49 |
| 3 | 1-Hexanol, 3,5,5-trimethyl- | 144 | C9H20O | 003452-97-9 | 38 |
| 4 | Chloromethyl 2-chloroundecanoate | 268 | C12H22Cl2O2 | 080418-88-8 | 37 |
| 5 | 2-Isopropyl-3-vinyloxirane | 112 | C7H12O | 070777-23-0 | 37 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052916\
Data File : BF087525.D
Acq On : 29 May 2016 22:49
Operator : UM/SJ
Sample : H3222-10
Misc :
ALS Vial : 47 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-27

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

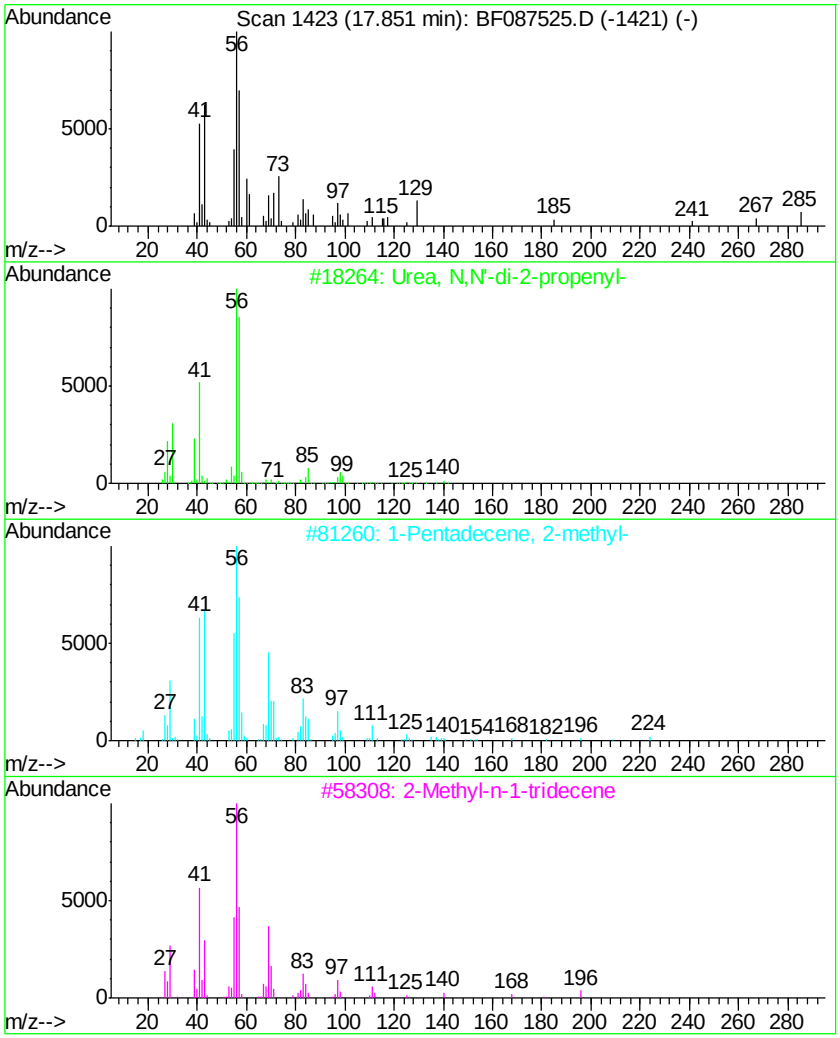
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

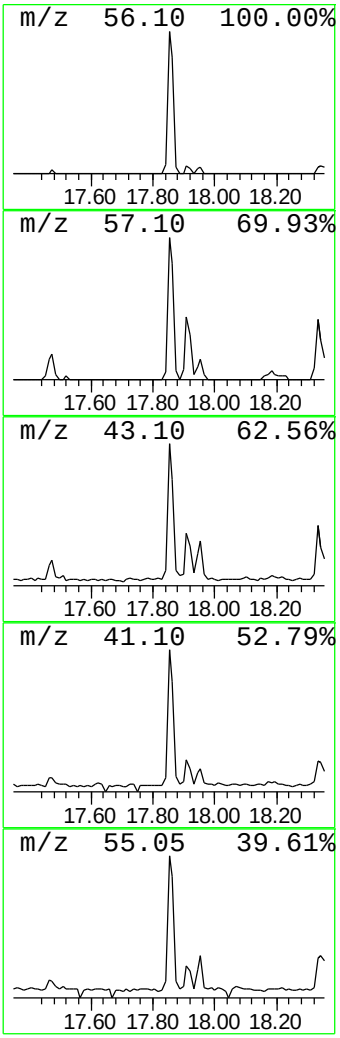
**********

Peak Number 4 unknown17.85 Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.85 | 3.79 ng | 136320 | Chrysene-d12 | 18.46 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Urea, N,N'-di-2-propenyl- | 140 | C7H12N2O | 001801-72-5 | 38 |
| 2 | 1-Pentadecene, 2-methyl- | 224 | C16H32 | 029833-69-0 | 38 |
| 3 | 2-Methyl-n-1-tridecene | 196 | C14H28 | 018094-01-4 | 38 |
| 4 | Acetic acid, 2,4,4-trimethylpent... | 172 | C10H20O2 | 1000368-95-3 | 37 |
| 5 | 1-Hexene, 2-methyl- | 98 | C7H14 | 006094-02-6 | 35 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052916\
Data File : BF087525.D
Acq On : 29 May 2016 22:49
Operator : UM/SJ
Sample : H3222-10
Misc :
ALS Vial : 47 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-27

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

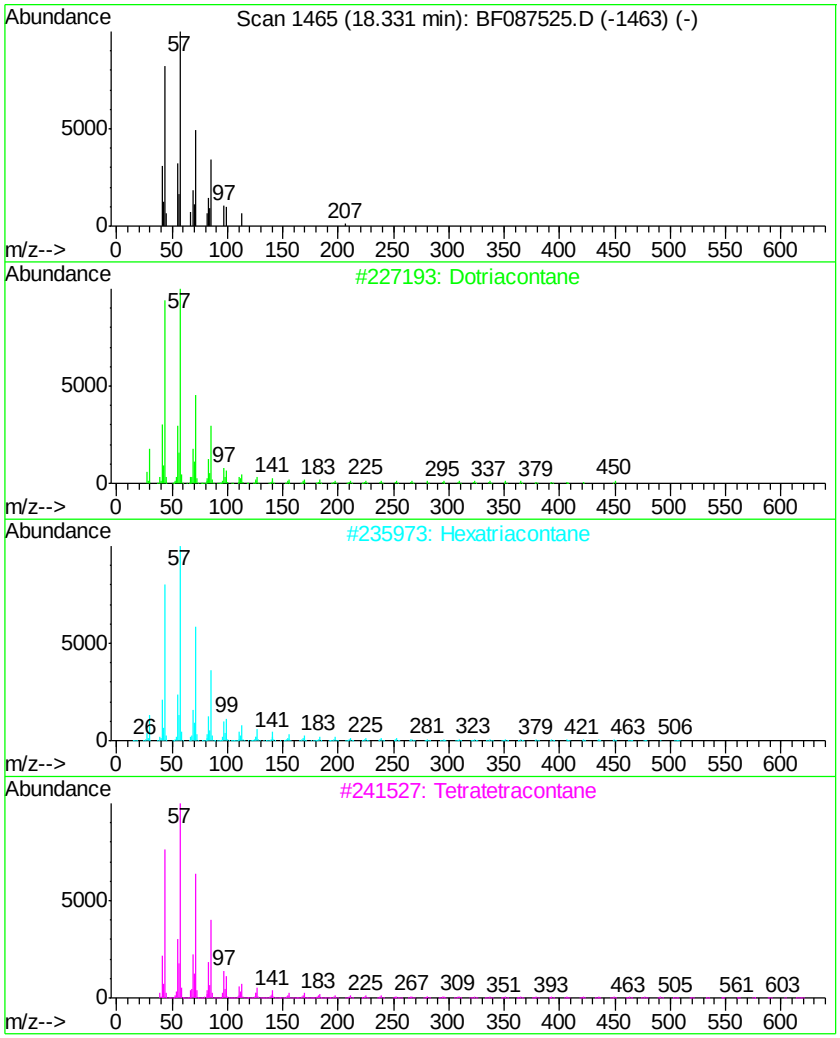
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

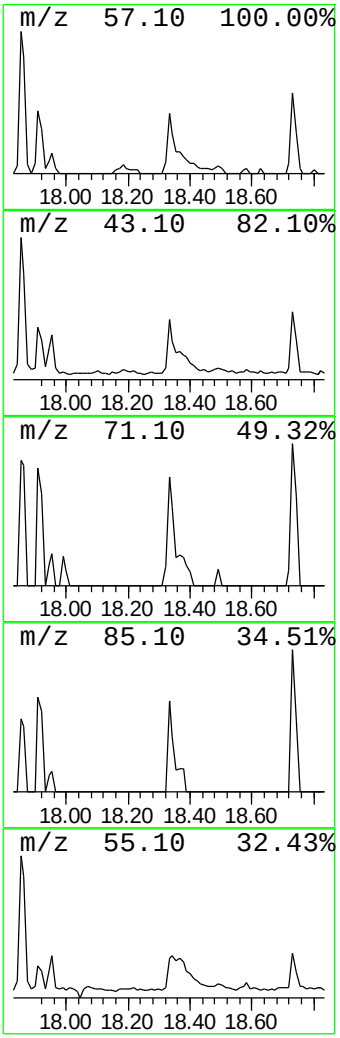
**********

Peak Number 5 Dotriacontane Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.33 | 2.13 ng | 76599 | Chrysene-d12 | 18.46 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dotriacontane | 451 | C32H66 | 000544-85-4 | 90 |
| 2 | Hexatriacontane | 507 | C36H74 | 000630-06-8 | 90 |
| 3 | Tetratetracontane | 619 | C44H90 | 007098-22-8 | 86 |
| 4 | Heptacosane | 380 | C27H56 | 000593-49-7 | 83 |
| 5 | Octacosane | 394 | C28H58 | 000630-02-4 | 83 |



# Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052916\
Data File : BF087525.D
Acq On : 29 May 2016 22:49
Operator : UM/SJ
Sample : H3222-10
Misc :
ALS Vial : 47 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-27

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT 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 |
| unknown7.12 | 7.12 | 86.8 | ng | 3283960 | 1 | 7.47 | 757028 | 20.0 |
| Hexadecanoic acid... | 16.93 | 6.9 | ng | 248806 | 5 | 18.46 | 719345 | 20.0 |
| unknown17.85 | 17.85 | 3.8 | ng | 136320 | 5 | 18.46 | 719345 | 20.0 |
| Dotriacontane | 18.33 | 2.1 | ng | 76599 | 5 | 18.46 | 719345 | 20.0 |