LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060516\
Data File : BF087721.D
Acq On : 5 Jun 2016 21:52
Operator : UM/SJ
Sample : H3379-11
Misc :
ALS Vial : 60 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-3

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-BF060416.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 | 1.758 | 11 | 15 | 18 | rBV | 4125311 | 8201464 | 100.00% | 20.183% |
| 2 | 1.907 | 26 | 28 | 48 | rVB | 1965205 | 4168906 | 50.83% | 10.259% |
| 3 | 2.158 | 48 | 50 | 81 | rVB2 | 108831 | 399846 | 4.88% | 0.984% |
| 4 | 3.221 | 141 | 143 | 155 | rBV | 52397 | 131851 | 1.61% | 0.324% |
| 5 | 5.050 | 301 | 303 | 309 | rVB | 175133 | 288131 | 3.51% | 0.709% |
| 6 | 5.462 | 336 | 339 | 341 | rBV | 2522295 | 2701922 | 32.94% | 6.649% |
| 7 | 6.490 | 426 | 429 | 431 | rBV | 2512019 | 2786768 | 33.98% | 6.858% |
| 8 | 6.627 | 438 | 441 | 443 | rBV | 2828645 | 2946053 | 35.92% | 7.250% |
| 9 | 6.856 | 459 | 461 | 464 | rBV | 846849 | 709364 | 8.65% | 1.746% |
| 10 | 7.016 | 472 | 475 | 477 | rBV | 2498958 | 2287441 | 27.89% | 5.629% |
| 11 | 7.427 | 507 | 511 | 513 | rBV | 1539919 | 2091167 | 25.50% | 5.146% |
| 12 | 8.148 | 571 | 574 | 576 | rBV | 804314 | 949934 | 11.58% | 2.338% |
| 13 | 9.222 | 665 | 668 | 671 | rBV | 2813664 | 3057892 | 37.28% | 7.525% |
| 14 | 9.622 | 700 | 703 | 705 | rBV | 685807 | 751383 | 9.16% | 1.849% |
| 15 | 9.896 | 724 | 727 | 730 | rBV | 1148716 | 1059874 | 12.92% | 2.608% |
| 16 | 10.685 | 793 | 796 | 799 | rBV | 2006257 | 2051166 | 25.01% | 5.048% |
| 17 | 11.382 | 854 | 857 | 859 | rBV | 1172859 | 1106160 | 13.49% | 2.722% |
| 18 | 12.799 | 978 | 981 | 983 | rBV | 192118 | 262156 | 3.20% | 0.645% |
| 19 | 12.971 | 993 | 996 | 998 | rBV | 2808511 | 2979153 | 36.32% | 7.332% |
| 20 | 13.497 | 1040 | 1042 | 1045 | rBV | 141982 | 148668 | 1.81% | 0.366% |
| 21 | 14.011 | 1084 | 1087 | 1089 | rBV | 984832 | 885319 | 10.79% | 2.179% |
| 22 | 15.440 | 1209 | 1212 | 1215 | rBV | 567889 | 670162 | 8.17% | 1.649% |

Sum of corrected areas: 40634780

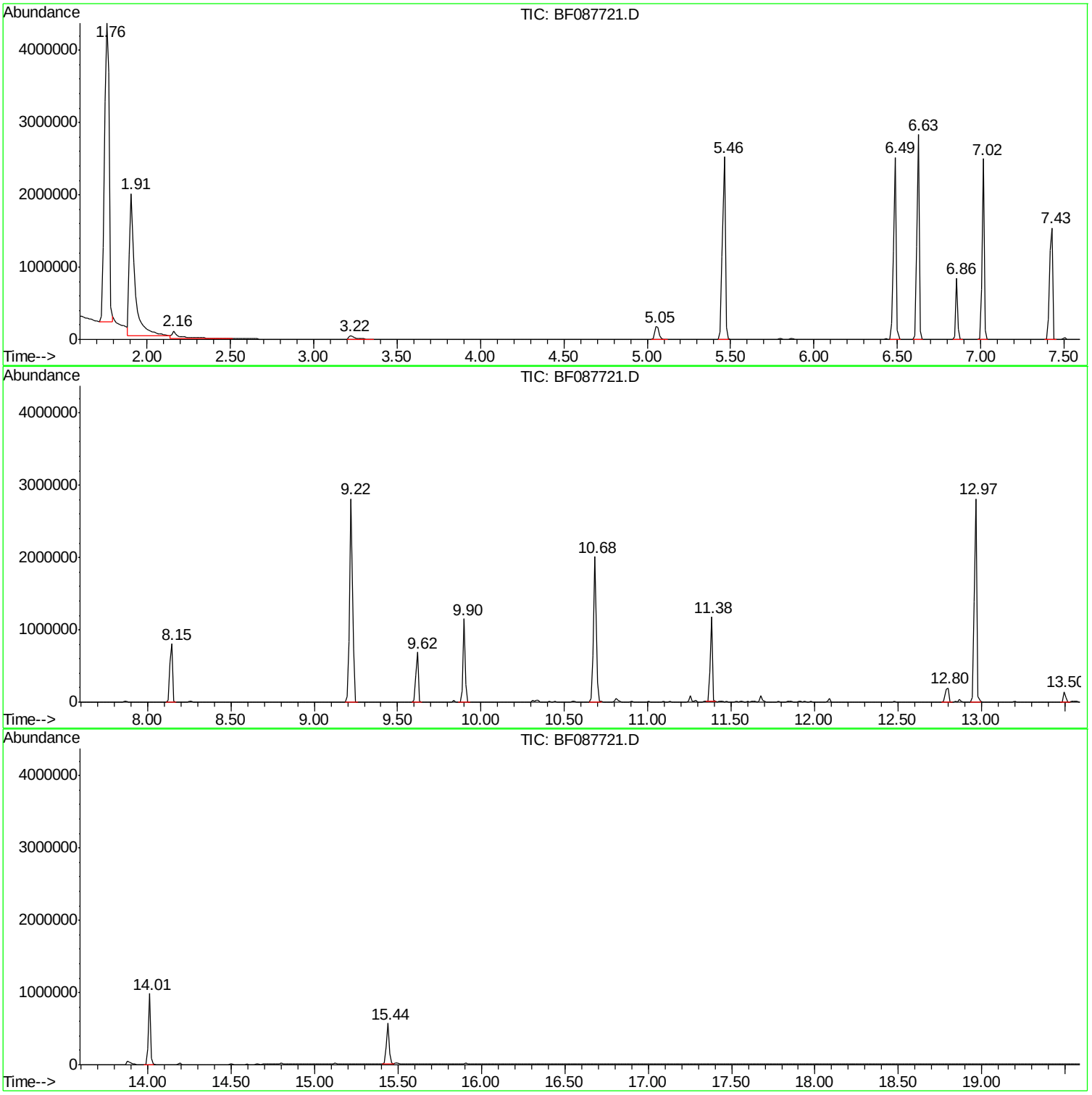
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060516\
Data File : BF087721.D
Acq On : 5 Jun 2016 21:52
Operator : UM/SJ
Sample : H3379-11
Misc :
ALS Vial : 60 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF060516\
Data File : BF087721.D
Acq On : 5 Jun 2016 21:52
Operator : UM/SJ
Sample : H3379-11
Misc :
ALS Vial : 60 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

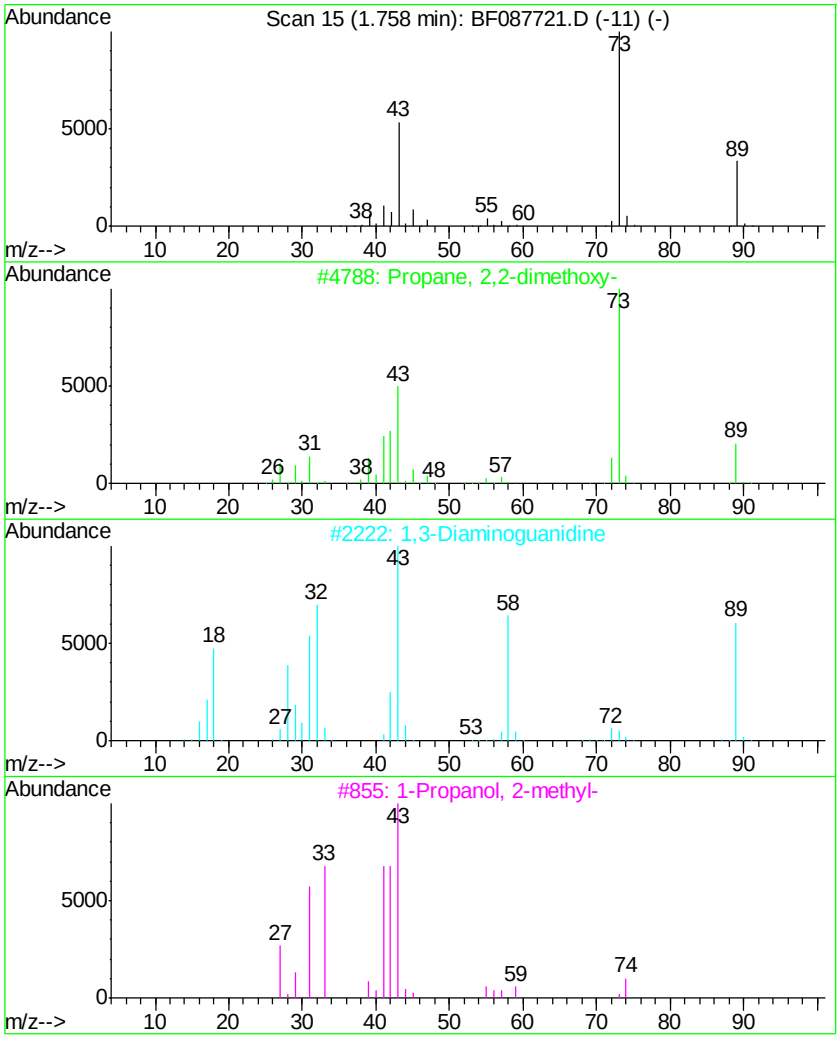
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

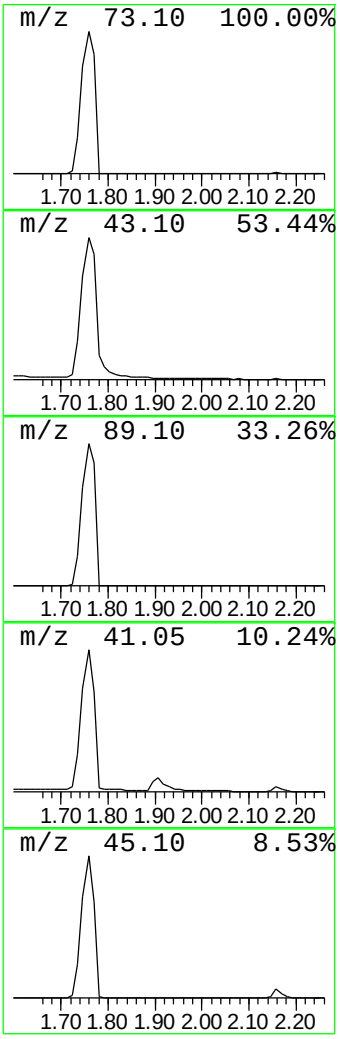
**********

Peak Number 1 Propane, 2,2-dimethoxy- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.76 | 231.23 ng | 8201460 | 1,4-Dichlorobenzene-d4 | 6.86 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propane, 2,2-dimethoxy- | 104 | C5H12O2 | 000077-76-9 | 56 |
| 2 | 1,3-Diaminoguanidine | 89 | CH7N5 | 004364-78-7 | 9 |
| 3 | 1-Propanol, 2-methyl- | 74 | C4H10O | 000078-83-1 | 9 |
| 4 | N-Ethylformamide | 73 | C3H7NO | 000627-45-2 | 9 |
| 5 | Propane, 2-methoxy-2-methyl- | 88 | C5H12O | 001634-04-4 | 9 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060516\
Data File : BF087721.D
Acq On : 5 Jun 2016 21:52
Operator : UM/SJ
Sample : H3379-11
Misc :
ALS Vial : 60 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

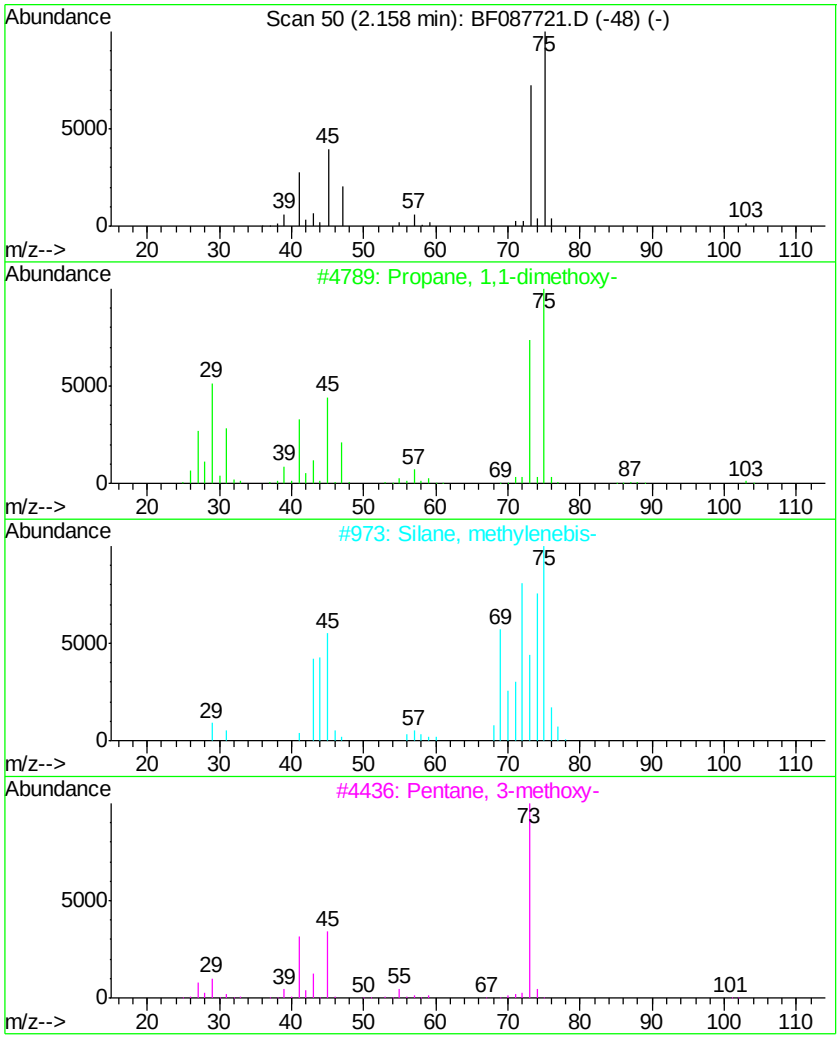
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

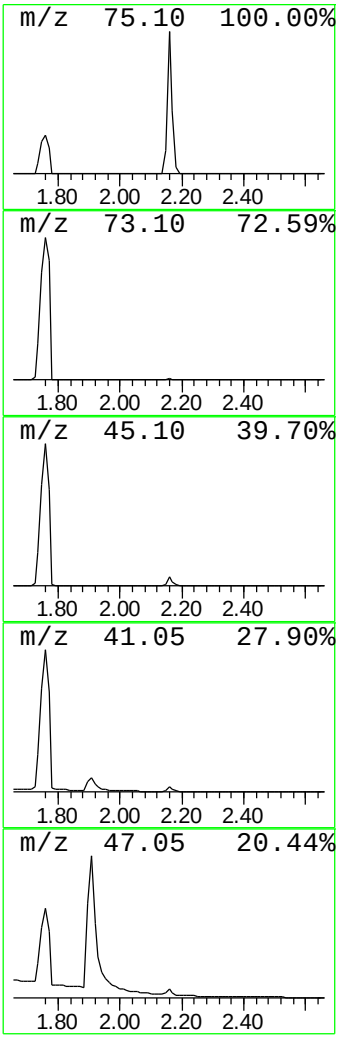
**********

Peak Number 3 Propane, 1,1-dimethoxy- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.16 | 11.27 ng | 399846 | 1,4-Dichlorobenzene-d4 | 6.86 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propane, 1,1-dimethoxy- | 104 | C5H12O2 | 004744-10-9 | 83 |
| 2 | Silane, methylenebis- | 76 | CH8Si2 | 001759-88-2 | 72 |
| 3 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 12 |
| 4 | .beta.-D-Glucopyranoside, methyl... | 176 | C7H12O5 | 003056-46-0 | 9 |
| 5 | 2-Propanol, 1,1-dimethoxy- | 120 | C5H12O3 | 042919-42-6 | 9 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF060516\
Data File : BF087721.D
Acq On : 5 Jun 2016 21:52
Operator : UM/SJ
Sample : H3379-11
Misc :
ALS Vial : 60 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

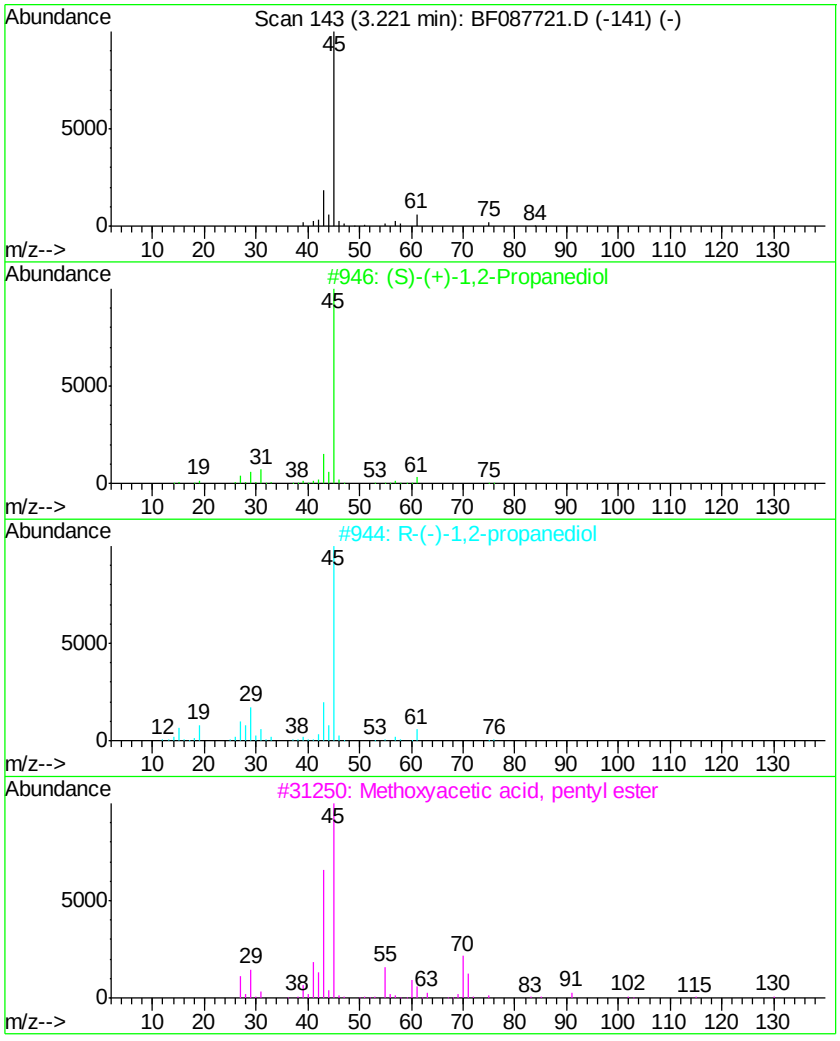
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

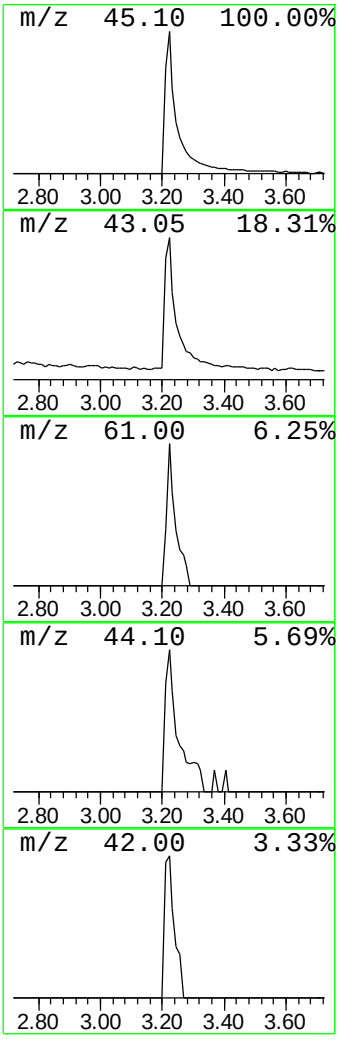
**********

Peak Number 4 unknown3.22 Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.22 | 3.72 ng | 131851 | 1,4-Dichlorobenzene-d4 | 6.86 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | (S)-(+)-1,2-Propanediol | 76 | C3H8O2 | 004254-15-3 | 43 |
| 2 | R-(-)-1,2-propanediol | 76 | C3H8O2 | 004254-14-2 | 43 |
| 3 | Methoxyacetic acid, pentyl ester | 160 | C8H16O3 | 168920-35-2 | 43 |
| 4 | 2-Methoxyisopropyl cyanoacetate | 157 | C7H11NO3 | 032804-79-8 | 40 |
| 5 | Propylene Glycol | 76 | C3H8O2 | 000057-55-6 | 9 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF060516\
Data File : BF087721.D
Acq On : 5 Jun 2016 21:52
Operator : UM/SJ
Sample : H3379-11
Misc :
ALS Vial : 60 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

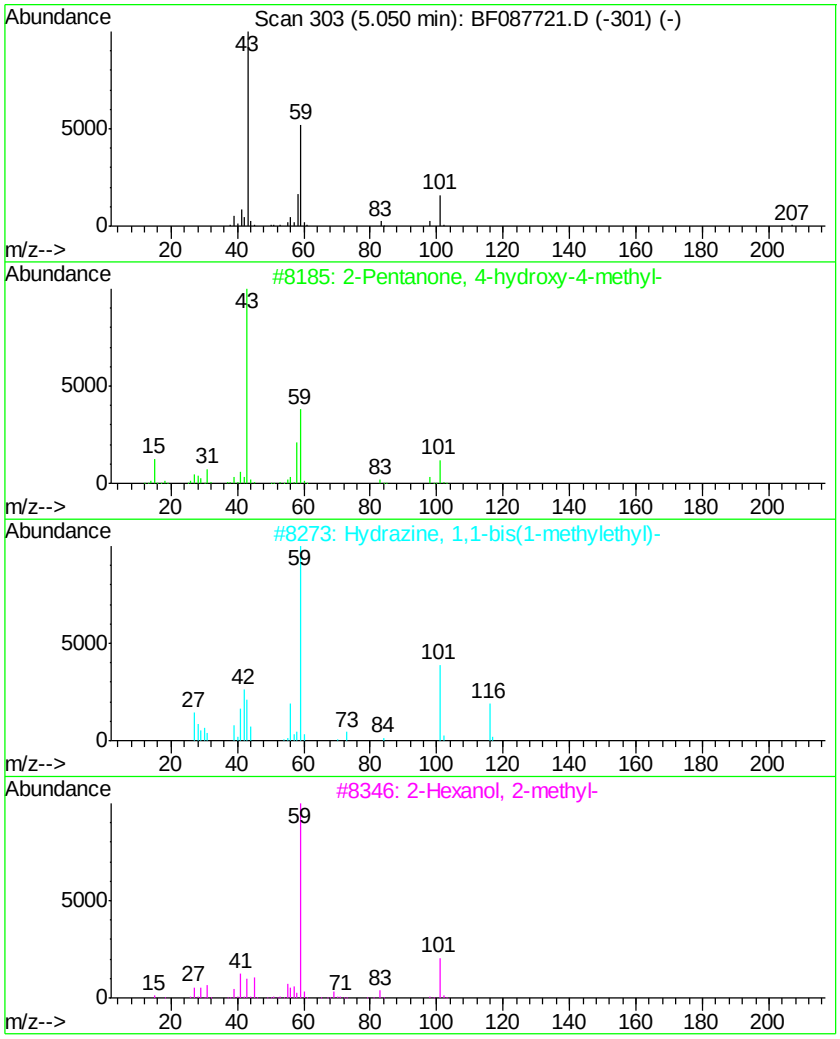
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

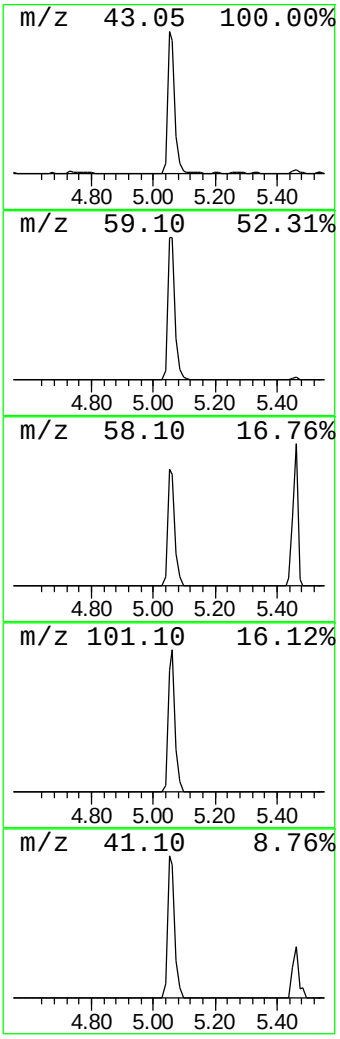
**********

Peak Number 5 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.05 | 8.12 ng | 288131 | 1,4-Dichlorobenzene-d4 | 6.86 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 59 |
| 2 | Hydrazine, 1,1-bis(1-methylethyl)- | 116 | C6H16N2 | 000921-14-2 | 28 |
| 3 | 2-Hexanol, 2-methyl- | 116 | C7H16O | 000625-23-0 | 28 |
| 4 | Butyl aldoxime, 3-methyl-, syn- | 101 | C5H11NO | 005780-40-5 | 23 |
| 5 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 10 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF060516\
Data File : BF087721.D
Acq On : 5 Jun 2016 21:52
Operator : UM/SJ
Sample : H3379-11
Misc :
ALS Vial : 60 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

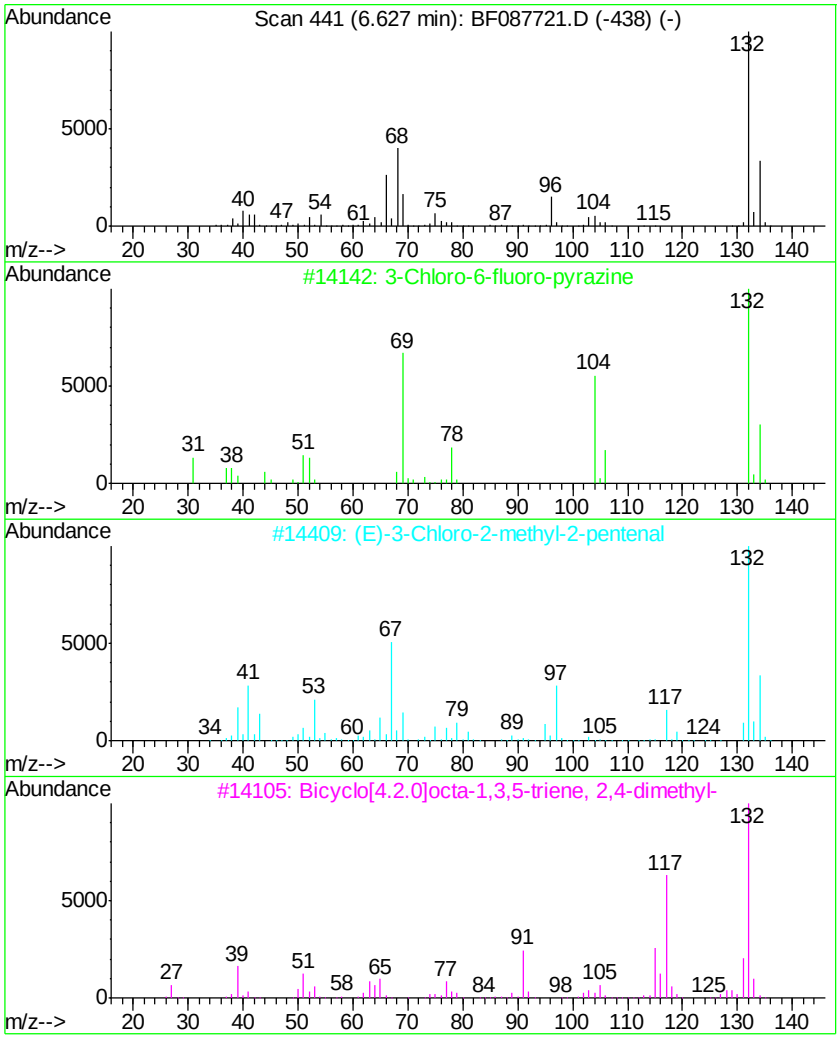
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

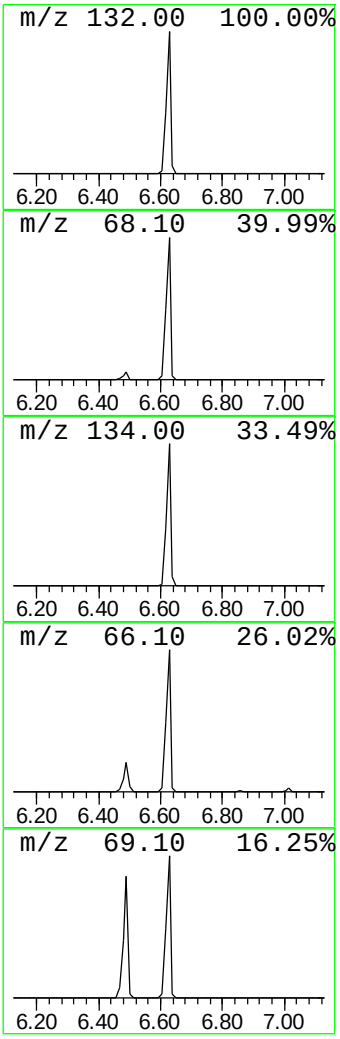
**********

Peak Number 6 unknown6.63 Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.63 | 83.06 ng | 2946050 | 1,4-Dichlorobenzene-d4 | 6.86 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 27 |
| 2 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 16 |
| 3 | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12 | 028749-81-7 | 9 |
| 4 | 4-Chloro-2-fluoro-pyrimidine | 132 | C4H2ClFN2 | 051422-00-5 | 9 |
| 5 | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0 | 9 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF060516\
Data File : BF087721.D
Acq On : 5 Jun 2016 21:52
Operator : UM/SJ
Sample : H3379-11
Misc :
ALS Vial : 60 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

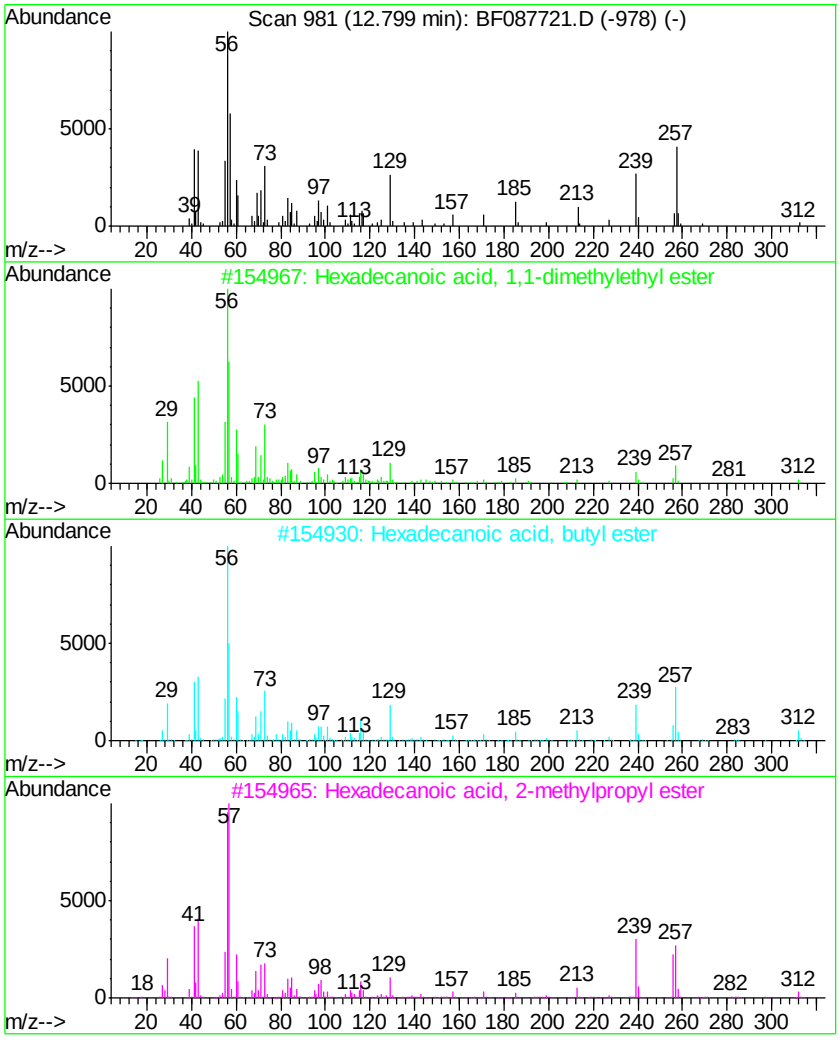
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

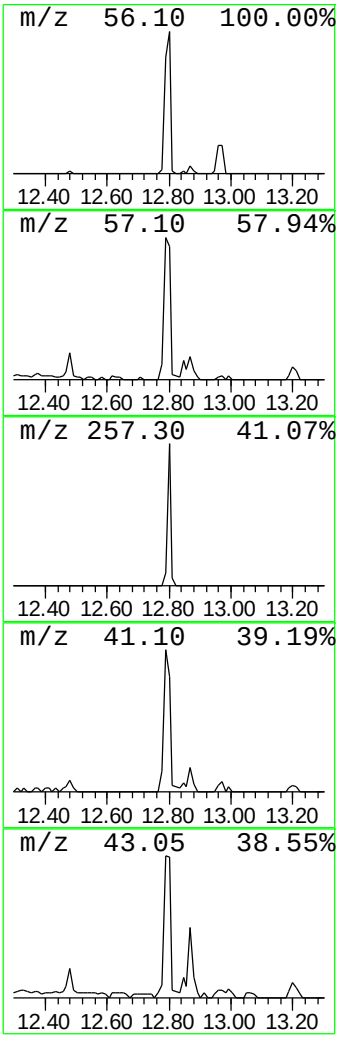
**********

Peak Number 8 Hexadecanoic acid, 1,1-dime... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.80 | 5.92 ng | 262156 | Chrysene-d12 | 14.01 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecanoic acid, 1,1-dimethyle... | 312 | C20H40O2 | 031158-91-5 | 95 |
| 2 | Hexadecanoic acid, butyl ester | 312 | C20H40O2 | 000111-06-8 | 74 |
| 3 | Hexadecanoic acid, 2-methylpropy... | 312 | C20H40O2 | 000110-34-9 | 64 |
| 4 | 1-Hexene, 2,5-dimethyl- | 112 | C8H16 | 006975-92-4 | 22 |
| 5 | Cyclohexane, (1,1-dimethylethyl)- | 140 | C10H20 | 003178-22-1 | 22 |



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Data File : BF087721.D
Acq On : 5 Jun 2016 21:52
Operator : UM/SJ
Sample : H3379-11
Misc :
ALS Vial : 60 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

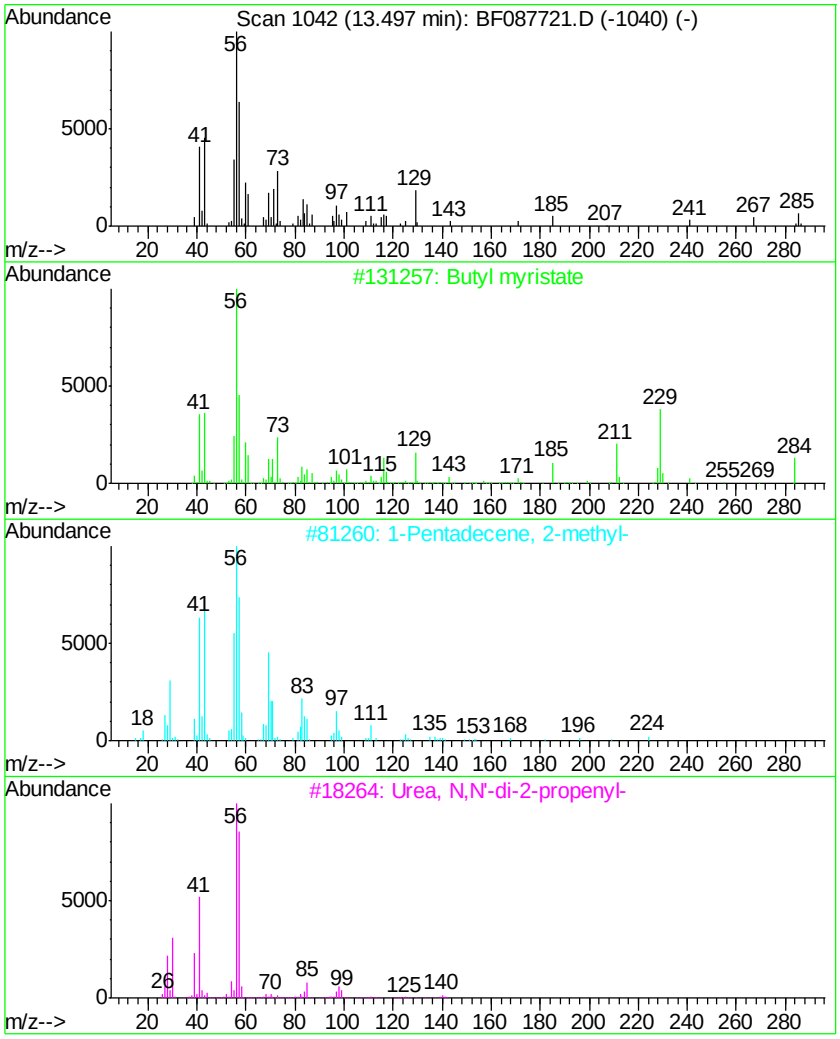
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

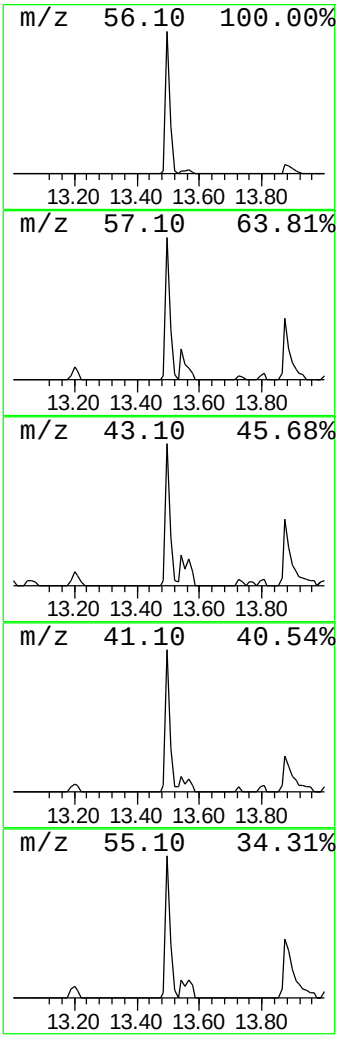
**********

Peak Number 9 Butyl myristate Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.50 | 3.36 ng | 148668 | Chrysene-d12 | 14.01 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butyl myristate | 284 | C18H36O2 | 000110-36-1 | 80 |
| 2 | 1-Pentadecene, 2-methyl- | 224 | C16H32 | 029833-69-0 | 47 |
| 3 | Urea, N,N'-di-2-propenyl- | 140 | C7H12N2O | 001801-72-5 | 38 |
| 4 | Cyclobutane, 1-hexyl-2,3-dimethyl- | 168 | C12H24 | 055170-84-8 | 38 |
| 5 | 2-Methyl-n-1-tridecene | 196 | C14H28 | 018094-01-4 | 35 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060516\
Data File : BF087721.D
Acq On : 5 Jun 2016 21:52
Operator : UM/SJ
Sample : H3379-11
Misc :
ALS Vial : 60 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060416.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 |
| Propane, 2,2-dime... | 1.76 | 231.2 | ng | 8201460 | 1 | 6.86 | 709364 | 20.0 |
| Propane, 1,1-dime... | 2.16 | 11.3 | ng | 399846 | 1 | 6.86 | 709364 | 20.0 |
| unknown3.22 | 3.22 | 3.7 | ng | 131851 | 1 | 6.86 | 709364 | 20.0 |
| 2-Pentanone, 4-hy... | 5.05 | 8.1 | ng | 288131 | 1 | 6.86 | 709364 | 20.0 |
| unknown6.63 | 6.63 | 83.1 | ng | 2946050 | 1 | 6.86 | 709364 | 20.0 |
| Hexadecanoic acid... | 12.80 | 5.9 | ng | 262156 | 5 | 14.01 | 885319 | 20.0 |
| Butyl myristate | 13.50 | 3.4 | ng | 148668 | 5 | 14.01 | 885319 | 20.0 |