LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030817\
Data File : BF093439.D
Acq On : 8 Mar 2017 20:12
Operator : SJ/MA
Sample : I2137-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 38D-9-11

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-BF030717.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 | 1.955 | 4 | 6 | 10 | rVB | 88074 | 120311 | 2.08% | 0.248% |
| 2 | 3.590 | 146 | 149 | 161 | rBV | 36230 | 93459 | 1.61% | 0.192% |
| 3 | 4.916 | 263 | 265 | 277 | rBV | 884554 | 1456506 | 25.16% | 2.999% |
| 4 | 5.361 | 302 | 304 | 326 | rBV | 3973207 | 5625077 | 97.16% | 11.581% |
| 5 | 5.761 | 335 | 339 | 347 | rBV | 61292 | 93818 | 1.62% | 0.193% |
| 6 | 6.413 | 393 | 396 | 404 | rBV | 4240756 | 5123890 | 88.51% | 10.549% |
| 7 | 6.527 | 404 | 406 | 409 | rBV | 3686610 | 4989077 | 86.18% | 10.272% |
| 8 | 6.756 | 424 | 426 | 429 | rBV | 736732 | 996131 | 17.21% | 2.051% |
| 9 | 6.916 | 438 | 440 | 443 | rBV | 3976227 | 3852453 | 66.54% | 7.932% |
| 10 | 7.339 | 474 | 477 | 479 | rBV | 3446564 | 3598201 | 62.15% | 7.408% |
| 11 | 8.047 | 537 | 539 | 542 | rBV | 1093084 | 1311274 | 22.65% | 2.700% |
| 12 | 9.133 | 630 | 634 | 636 | rBV | 4401810 | 5789295 | 100.00% | 11.919% |
| 13 | 9.522 | 666 | 668 | 671 | rBV | 817846 | 940409 | 16.24% | 1.936% |
| 14 | 9.739 | 684 | 687 | 690 | rBV2 | 50755 | 128728 | 2.22% | 0.265% |
| 15 | 9.796 | 690 | 692 | 695 | rVB | 1138457 | 1441875 | 24.91% | 2.969% |
| 16 | 10.230 | 728 | 730 | 732 | rVB | 148678 | 116146 | 2.01% | 0.239% |
| 17 | 10.448 | 746 | 749 | 752 | rBV | 45051 | 76376 | 1.32% | 0.157% |
| 18 | 10.596 | 759 | 762 | 768 | rBV | 2821760 | 3007021 | 51.94% | 6.191% |
| 19 | 10.699 | 770 | 771 | 779 | rVB | 145895 | 206483 | 3.57% | 0.425% |
| 20 | 11.145 | 809 | 810 | 816 | rVB | 93711 | 156969 | 2.71% | 0.323% |
| 21 | 11.282 | 820 | 822 | 825 | rBV2 | 1204030 | 1498363 | 25.88% | 3.085% |
| 22 | 12.871 | 958 | 961 | 964 | rBV | 4164159 | 4978712 | 86.00% | 10.250% |
| 23 | 13.762 | 1037 | 1039 | 1046 | rBV | 138532 | 250247 | 4.32% | 0.515% |
| 24 | 13.922 | 1052 | 1053 | 1056 | rVB | 1087182 | 1386388 | 23.95% | 2.854% |
| 25 | 14.745 | 1123 | 1125 | 1127 | rBV | 53777 | 57942 | 1.00% | 0.119% |
| 26 | 15.340 | 1174 | 1177 | 1186 | rBV | 911786 | 1276026 | 22.04% | 2.627% |

Sum of corrected areas: 48571177

LSC Report - Integrated Chromatogram

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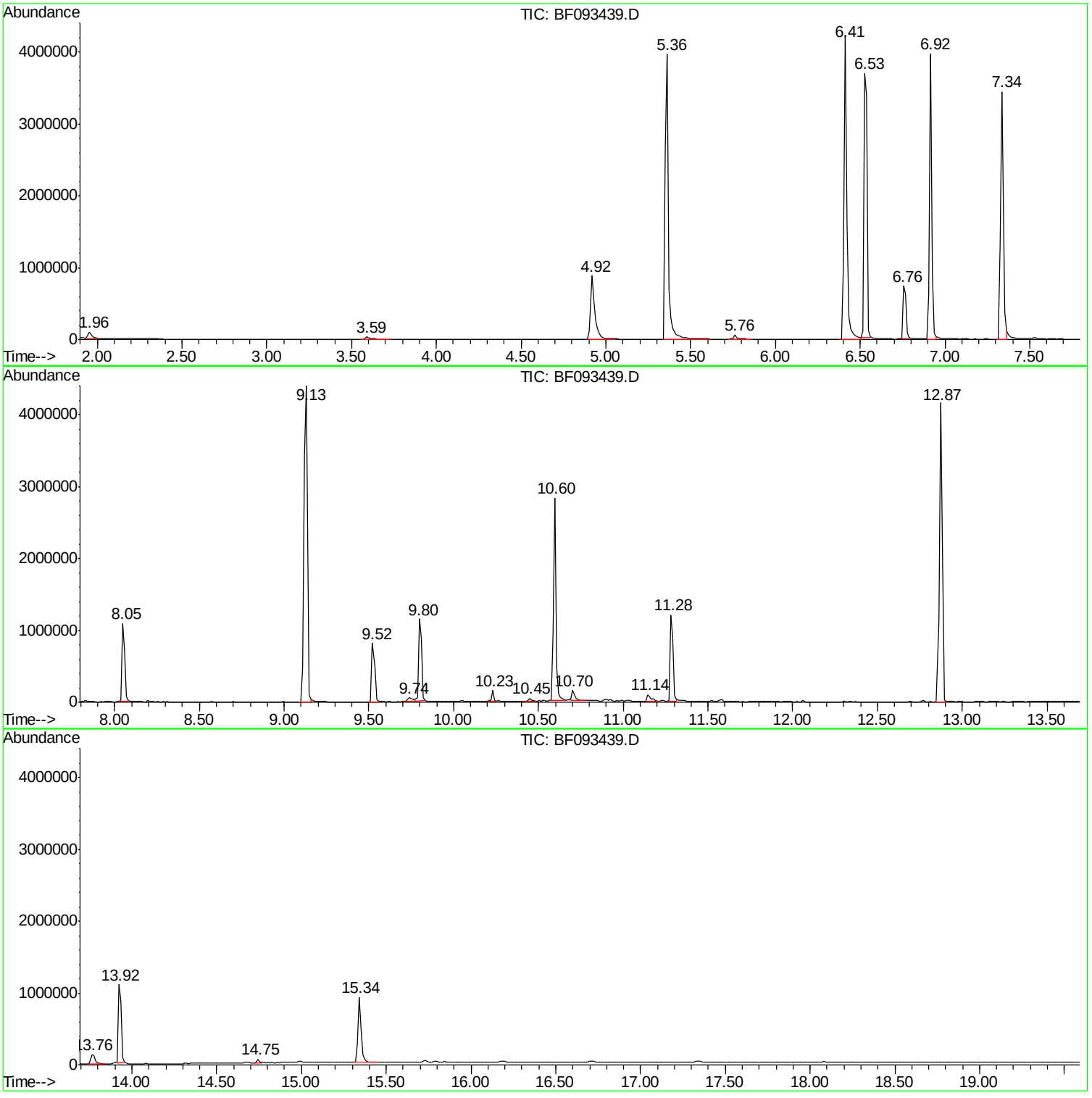
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 38D-9-11

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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Operator : SJ/MA
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**Instrument :** BNA_F
**ClientSampleId :** 38D-9-11

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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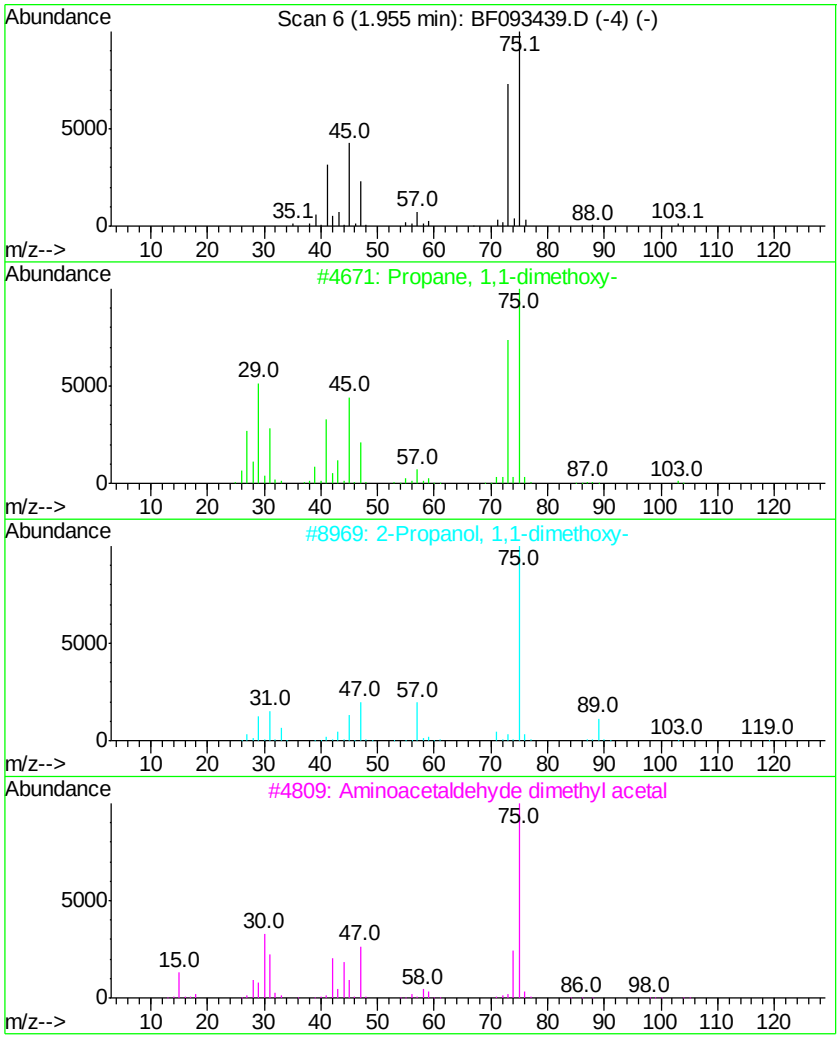
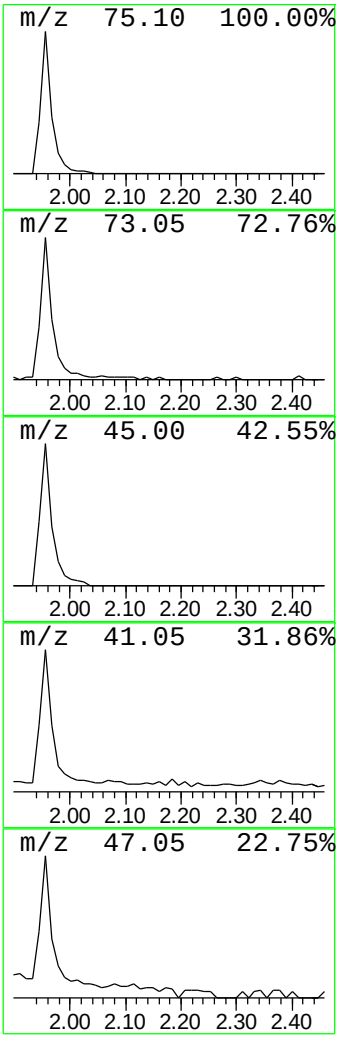
Peak Number 1 Propane, 1,1-dimethoxy- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.96 | 2.42 ng | 120311 | 1,4-Dichlorobenzene-d4 | 6.77 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propane, 1,1-dimethoxy- | 104 | C5H12O2 | 004744-10-9 | 83 |
| 2 | 2-Propanol, 1,1-dimethoxy- | 120 | C5H12O3 | 042919-42-6 | 42 |
| 3 | Aminoacetaldehyde dimethyl acetal | 105 | C4H11NO2 | 022483-09-6 | 33 |
| 4 | Propane, 1,1-dimethoxy-2-methyl- | 118 | C6H14O2 | 041632-89-7 | 33 |
| 5 | Methane, trimethoxy- | 106 | C4H10O3 | 000149-73-5 | 33 |



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Operator : SJ/MA
Sample : I2137-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 38D-9-11

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

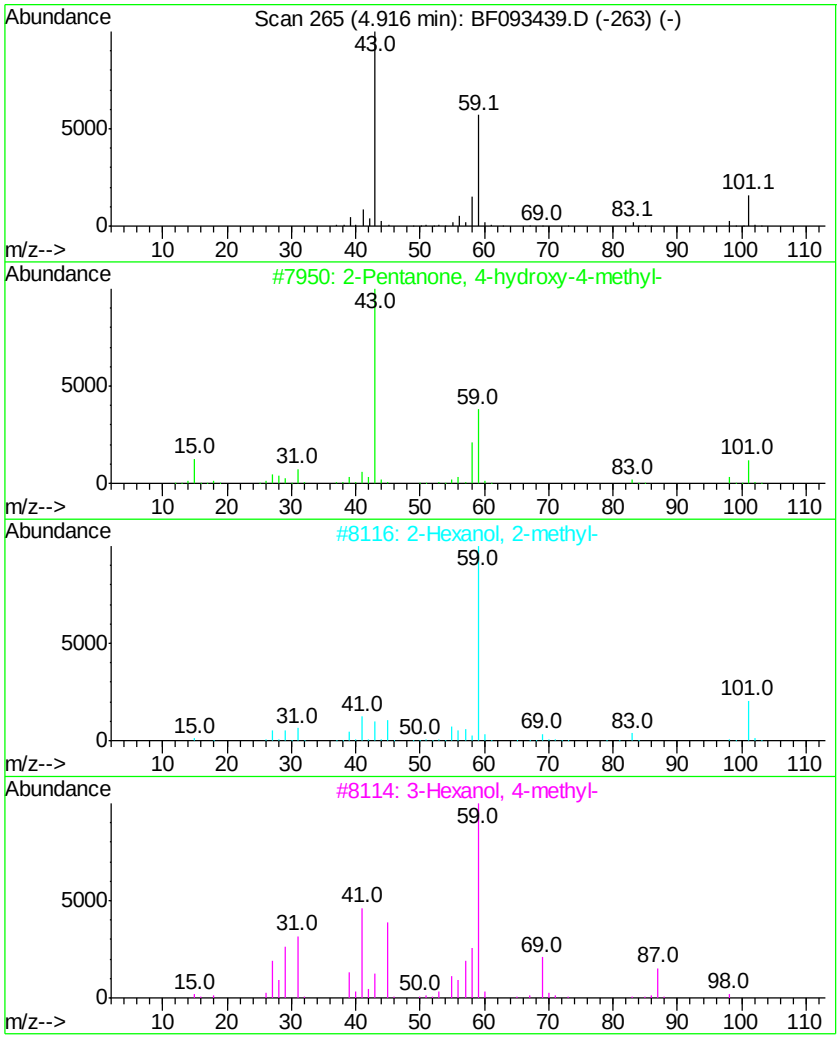
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

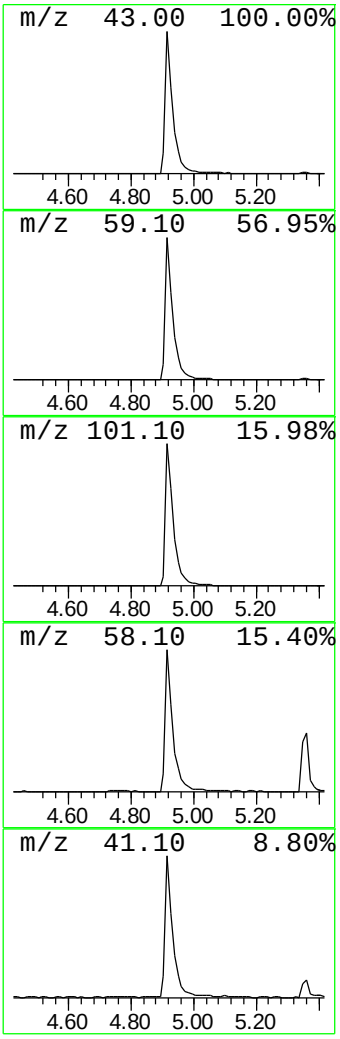
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.92 | 29.24 ng | 1456510 | 1,4-Dichlorobenzene-d4 | 6.77 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 50 |
| 2 | 2-Hexanol, 2-methyl- | 116 | C7H16O | 000625-23-0 | 33 |
| 3 | 3-Hexanol, 4-methyl- | 116 | C7H16O | 000615-29-2 | 33 |
| 4 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 25 |
| 5 | 1-Propen-2-ol, acetate | 100 | C5H8O2 | 000108-22-5 | 10 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030817\
Data File : BF093439.D
Acq On : 8 Mar 2017 20:12
Operator : SJ/MA
Sample : I2137-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 38D-9-11

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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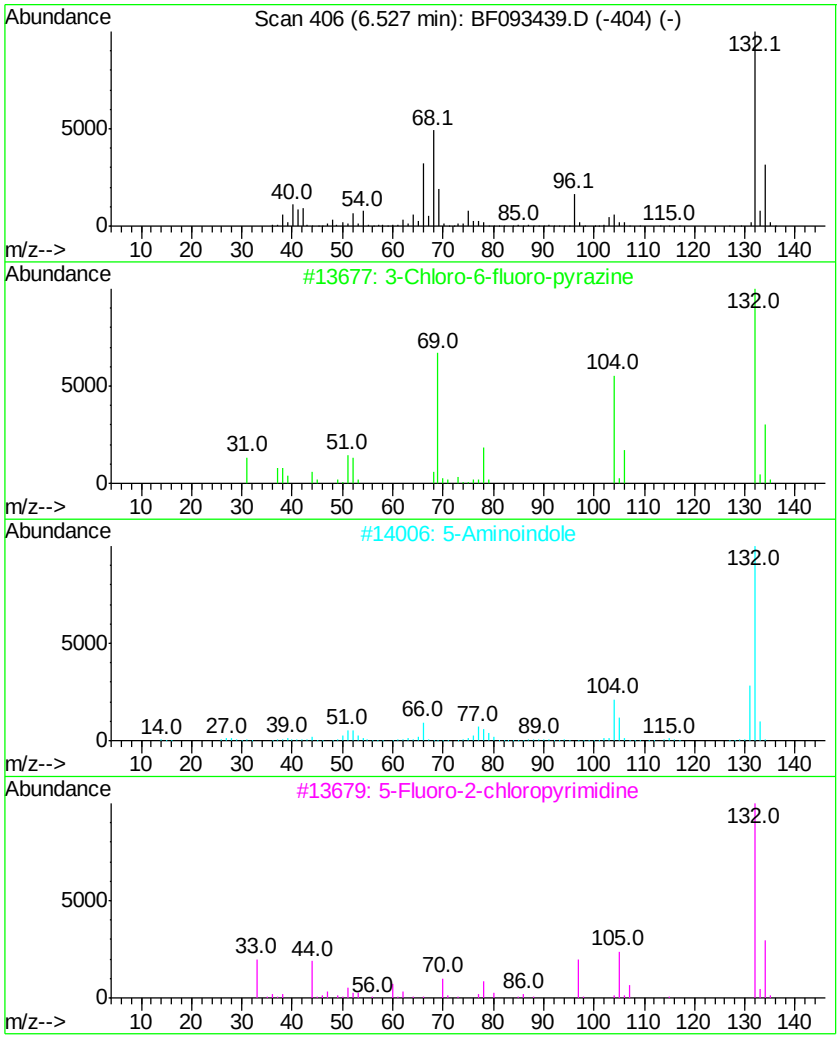
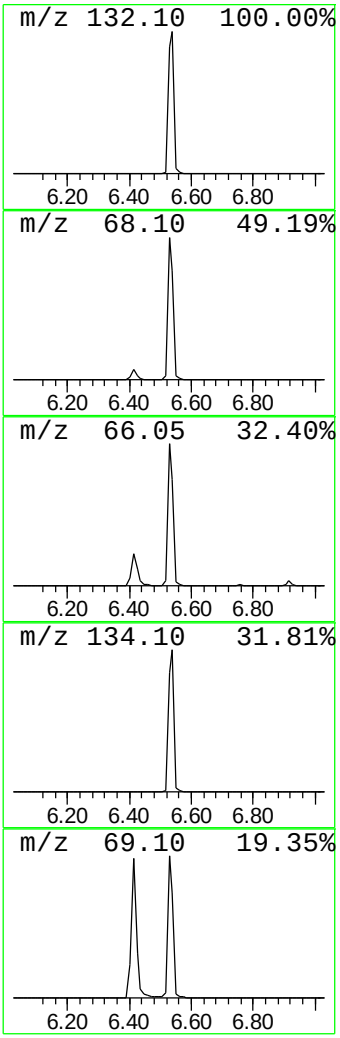
Peak Number 3 unknown6.53 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.53 | 100.17 ng | 4989080 | 1,4-Dichlorobenzene-d4 | 6.77 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 27 |
| 2 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 27 |
| 3 | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0 | 12 |
| 4 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 10 |
| 5 | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12 | 028749-81-7 | 9 |



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Sample : I2137-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 38D-9-11

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030717.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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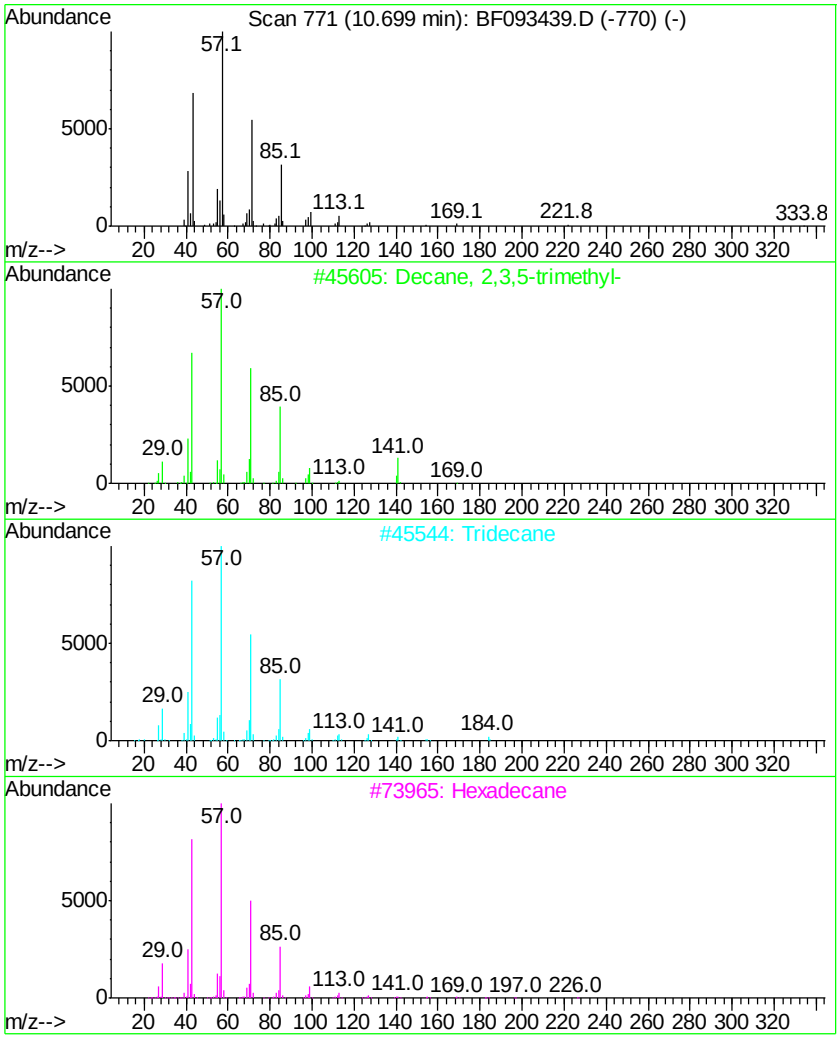
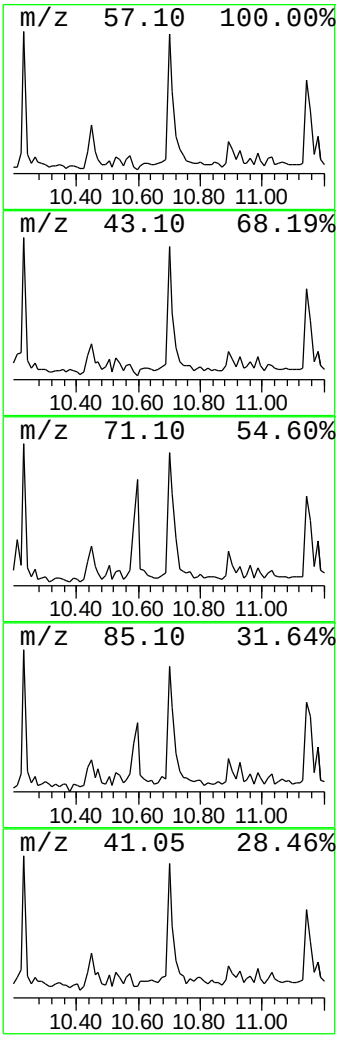
Peak Number 5 Decane, 2,3,5-trimethyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.70 | 2.76 ng | 206483 | Phenanthrene-d10 | 11.28 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Decane, 2,3,5-trimethyl- | 184 | C13H28 | 062238-11-3 | 86 |
| 2 | Tridecane | 184 | C13H28 | 000629-50-5 | 86 |
| 3 | Hexadecane | 226 | C16H34 | 000544-76-3 | 86 |
| 4 | Pentadecane, 7-methyl- | 226 | C16H34 | 006165-40-8 | 83 |
| 5 | Pentadecane | 212 | C15H32 | 000629-62-9 | 78 |



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Operator : SJ/MA
Sample : I2137-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 38D-9-11

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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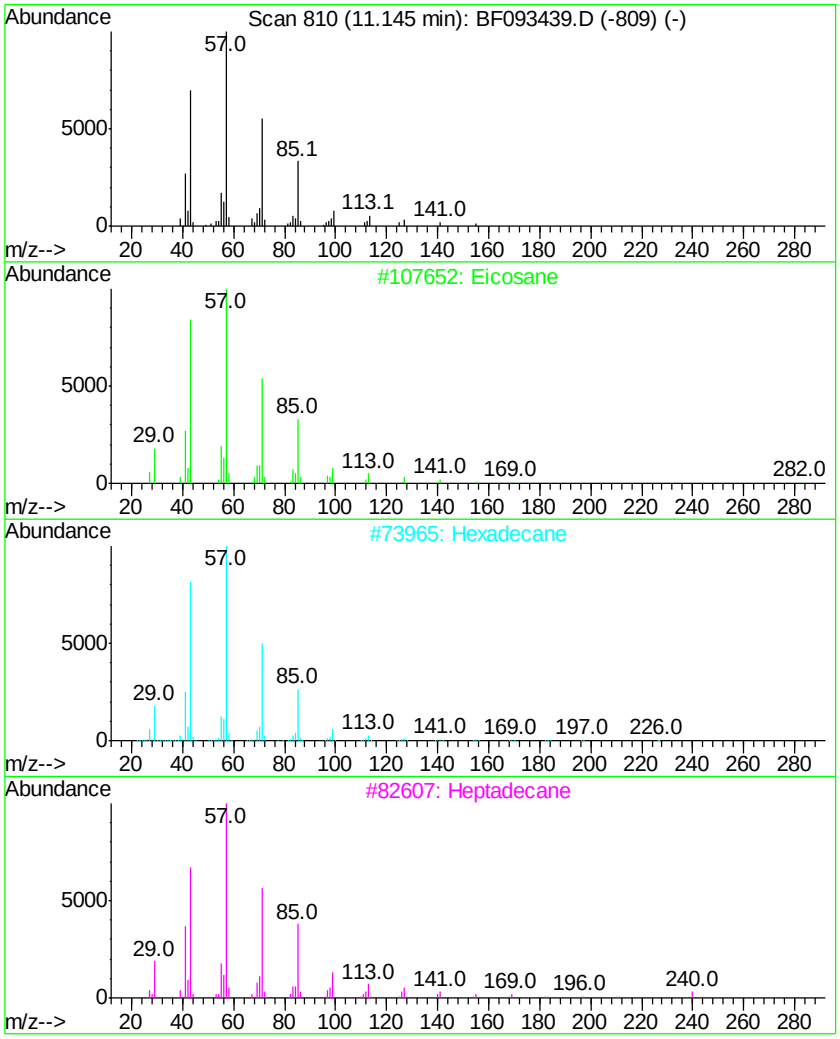
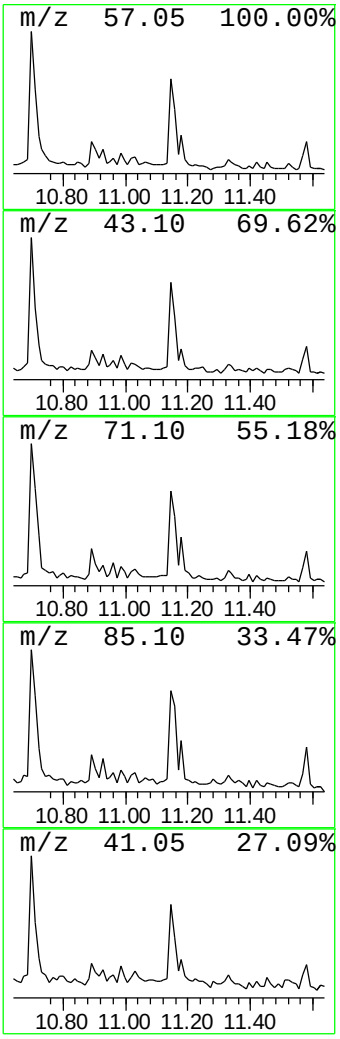
Peak Number 6 Eicosane Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.14 | 2.10 ng | 156969 | Phenanthrene-d10 | 11.28 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosane | 282 | C20H42 | 000112-95-8 | 91 |
| 2 | Hexadecane | 226 | C16H34 | 000544-76-3 | 91 |
| 3 | Heptadecane | 240 | C17H36 | 000629-78-7 | 90 |
| 4 | Tridecane | 184 | C13H28 | 000629-50-5 | 90 |
| 5 | Pentadecane | 212 | C15H32 | 000629-62-9 | 86 |



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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030717.M
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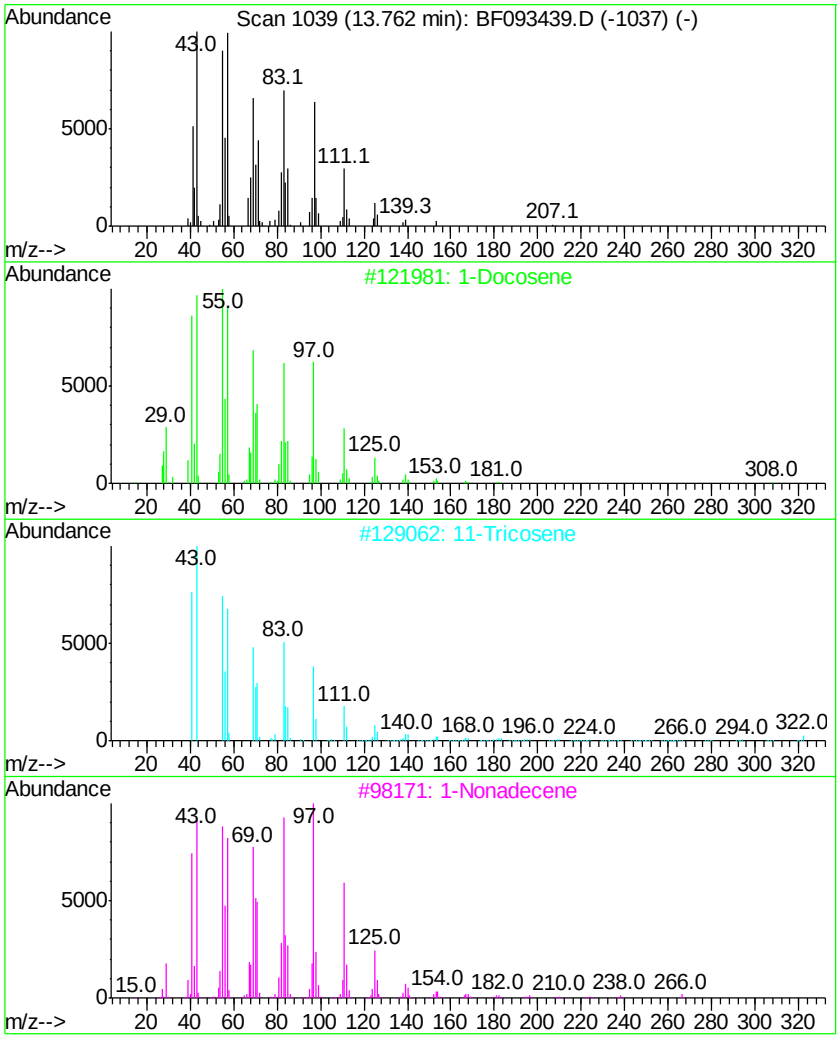
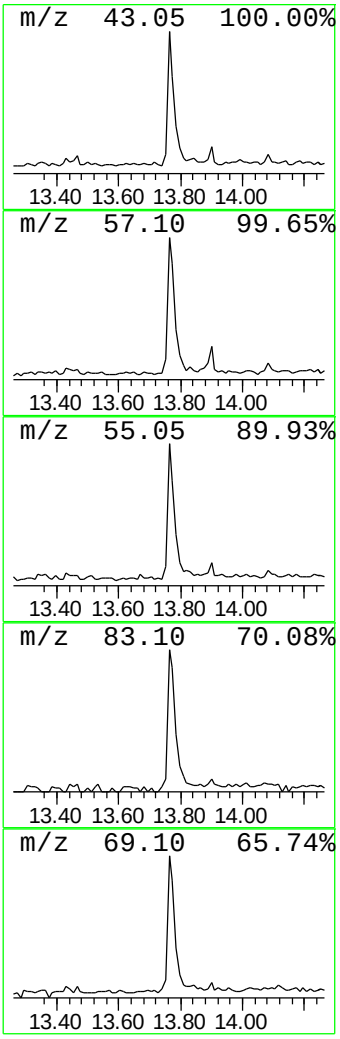
Peak Number 7 1-Docosene Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.76 | 3.61 ng | 250247 | Chrysene-d12 | 13.92 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Docosene | 308 | C22H44 | 001599-67-3 | 94 |
| 2 | 11-Tricosene | 322 | C23H46 | 052078-56-5 | 91 |
| 3 | 1-Nonadecene | 266 | C19H38 | 018435-45-5 | 91 |
| 4 | 3-Eicosene, (E)- | 280 | C20H40 | 074685-33-9 | 91 |
| 5 | Dichloroacetic acid, tetradecyl ... | 324 | C16H30Cl2O2 | 083005-02-1 | 90 |



Tentatively Identified Compound (LSC) summary

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**Instrument :** BNA_F
**ClientSampleId :** 38D-9-11

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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Propane, 1,1-dime... | 1.96 | 2.4 | ng | 120311 | 1 | 6.77 | 996131 | 20.0 |
| 2-Pentanone, 4-hy... | 4.92 | 29.2 | ng | 1456510 | 1 | 6.77 | 996131 | 20.0 |
| unknown6.53 | 6.53 | 100.2 | ng | 4989080 | 1 | 6.77 | 996131 | 20.0 |
| Decane, 2,3,5-tri... | 10.70 | 2.8 | ng | 206483 | 4 | 11.28 | 1498360 | 20.0 |
| Eicosane | 11.14 | 2.1 | ng | 156969 | 4 | 11.28 | 1498360 | 20.0 |
| 1-Docosene | 13.76 | 3.6 | ng | 250247 | 5 | 13.92 | 1386390 | 20.0 |