LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072417\
Data File : BF096999.D
Acq On : 24 Jul 2017 21:47
Operator : SJ/JU
Sample : I4361-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** RAMP-D-4-(0-2)

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-BF071317.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 | 2.346 | 73 | 78 | 86 | rVB | 108526 | 163875 | 4.41% | 0.534% |
| 2 | 4.675 | 470 | 474 | 491 | rVB | 274501 | 465938 | 12.54% | 1.519% |
| 3 | 5.128 | 546 | 551 | 554 | rBV | 3117637 | 3430198 | 92.32% | 11.180% |
| 4 | 6.181 | 725 | 730 | 744 | rBV | 2907512 | 3715468 | 100.00% | 12.110% |
| 5 | 6.293 | 744 | 749 | 752 | rBV | 3148720 | 3317560 | 89.29% | 10.813% |
| 6 | 6.510 | 783 | 786 | 793 | rBV | 827362 | 762943 | 20.53% | 2.487% |
| 7 | 6.669 | 809 | 813 | 817 | rBV | 2525701 | 2478993 | 66.72% | 8.080% |
| 8 | 7.081 | 878 | 883 | 886 | rBV | 2289501 | 2480714 | 66.77% | 8.086% |
| 9 | 7.792 | 1000 | 1004 | 1008 | rBV | 1076890 | 967664 | 26.04% | 3.154% |
| 10 | 8.875 | 1182 | 1188 | 1191 | rBV | 3127490 | 3485402 | 93.81% | 11.360% |
| 11 | 9.269 | 1251 | 1255 | 1259 | rBV | 339768 | 286141 | 7.70% | 0.933% |
| 12 | 9.539 | 1296 | 1301 | 1305 | rBV | 1113608 | 1014789 | 27.31% | 3.308% |
| 13 | 9.969 | 1367 | 1374 | 1376 | rBV3 | 25648 | 37812 | 1.02% | 0.123% |
| 14 | 9.998 | 1376 | 1379 | 1382 | rVB | 51279 | 45830 | 1.23% | 0.149% |
| 15 | 10.328 | 1430 | 1435 | 1439 | rBV | 1798110 | 2031413 | 54.67% | 6.621% |
| 16 | 10.463 | 1455 | 1458 | 1465 | rBV | 85754 | 104329 | 2.81% | 0.340% |
| 17 | 10.910 | 1529 | 1534 | 1537 | rBV2 | 41699 | 40051 | 1.08% | 0.131% |
| 18 | 11.016 | 1548 | 1552 | 1555 | rBV | 1171020 | 1039206 | 27.97% | 3.387% |
| 19 | 11.569 | 1642 | 1646 | 1655 | rBV2 | 125403 | 135548 | 3.65% | 0.442% |
| 20 | 12.604 | 1816 | 1822 | 1825 | rBV2 | 2687735 | 3100510 | 83.45% | 10.106% |
| 21 | 13.510 | 1972 | 1976 | 1985 | rVB | 126373 | 170725 | 4.59% | 0.556% |
| 22 | 13.639 | 1994 | 1998 | 2004 | rVB | 883409 | 822055 | 22.13% | 2.679% |
| 23 | 14.992 | 2223 | 2228 | 2234 | rVB | 496288 | 583577 | 15.71% | 1.902% |

Sum of corrected areas: 30680741

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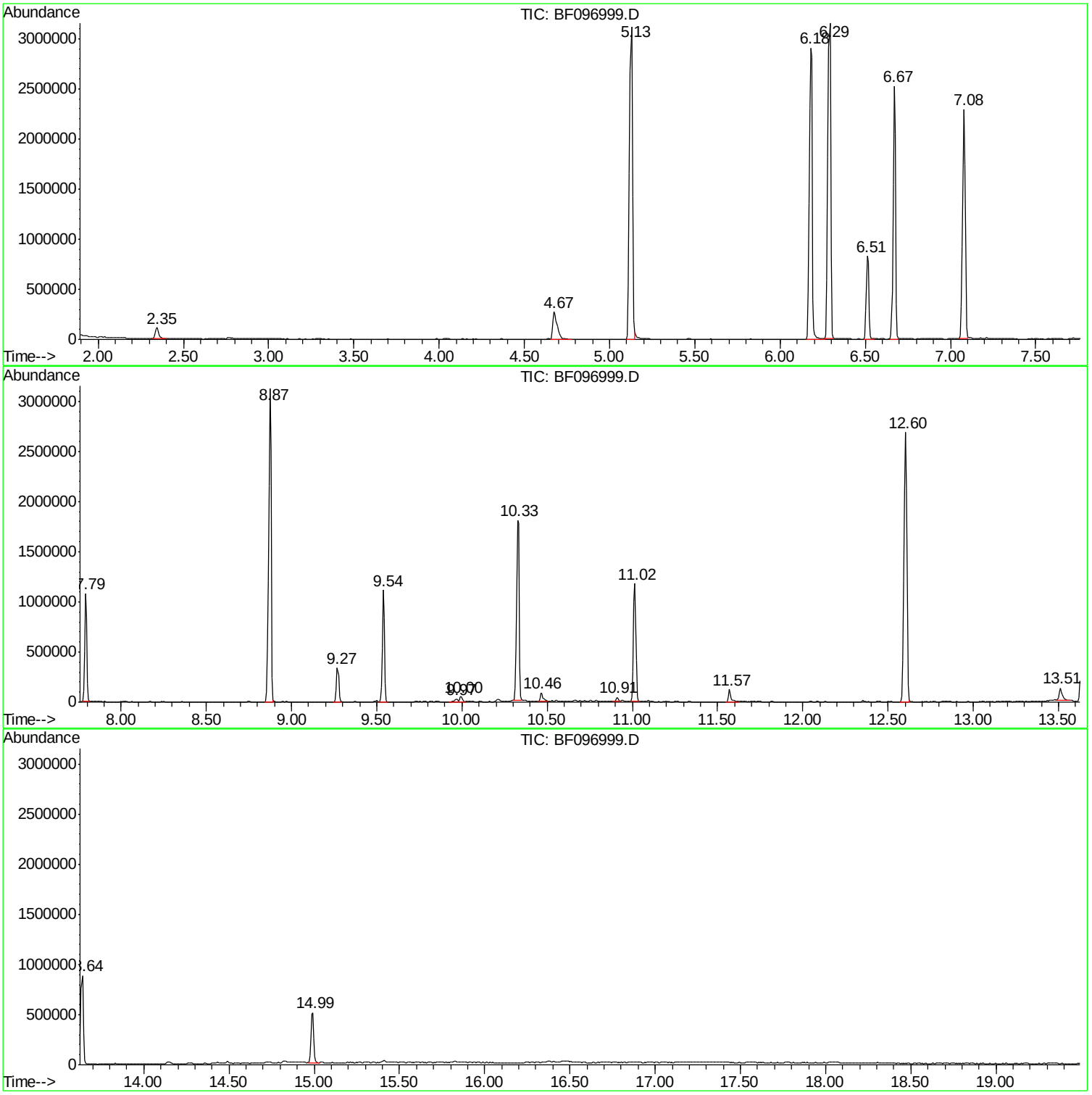
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
RAMP-D-4-(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.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\BF072417\
Data File : BF096999.D
Acq On : 24 Jul 2017 21:47
Operator : SJ/JU
Sample : I4361-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** RAMP-D-4-(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
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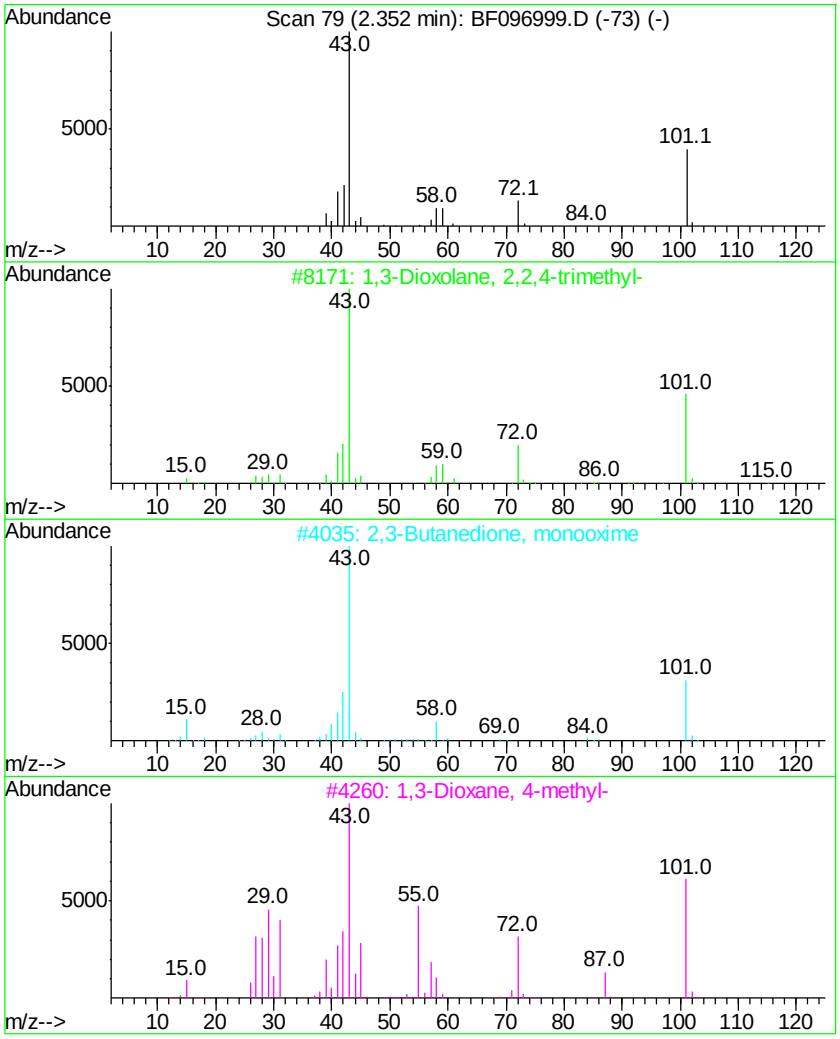
TIC Integration Parameters: LSCINT.P

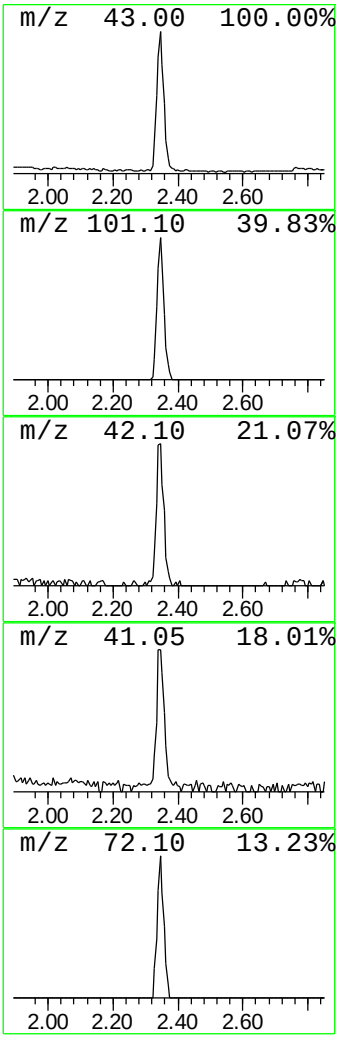
**********

Peak Number 1 1,3-Dioxolane, 2,2,4-trimet... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.35 | 4.30 ng | 163875 | 1,4-Dichlorobenzene-d4 | 6.51 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,3-Dioxolane, 2,2,4-trimethyl- | 116 | C6H12O2 | 001193-11-9 | 83 |
| 2 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 38 |
| 3 | 1,3-Dioxane, 4-methyl- | 102 | C5H10O2 | 001120-97-4 | 35 |
| 4 | 1,3-Dioxolane-2-methanol, 2,4-di... | 132 | C6H12O3 | 053951-43-2 | 28 |
| 5 | (+-)-4-Amino-4,5-dihydro-2(3H)-f... | 101 | C4H7NO2 | 016504-58-8 | 9 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072417\
Data File : BF096999.D
Acq On : 24 Jul 2017 21:47
Operator : SJ/JU
Sample : I4361-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** RAMP-D-4-(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

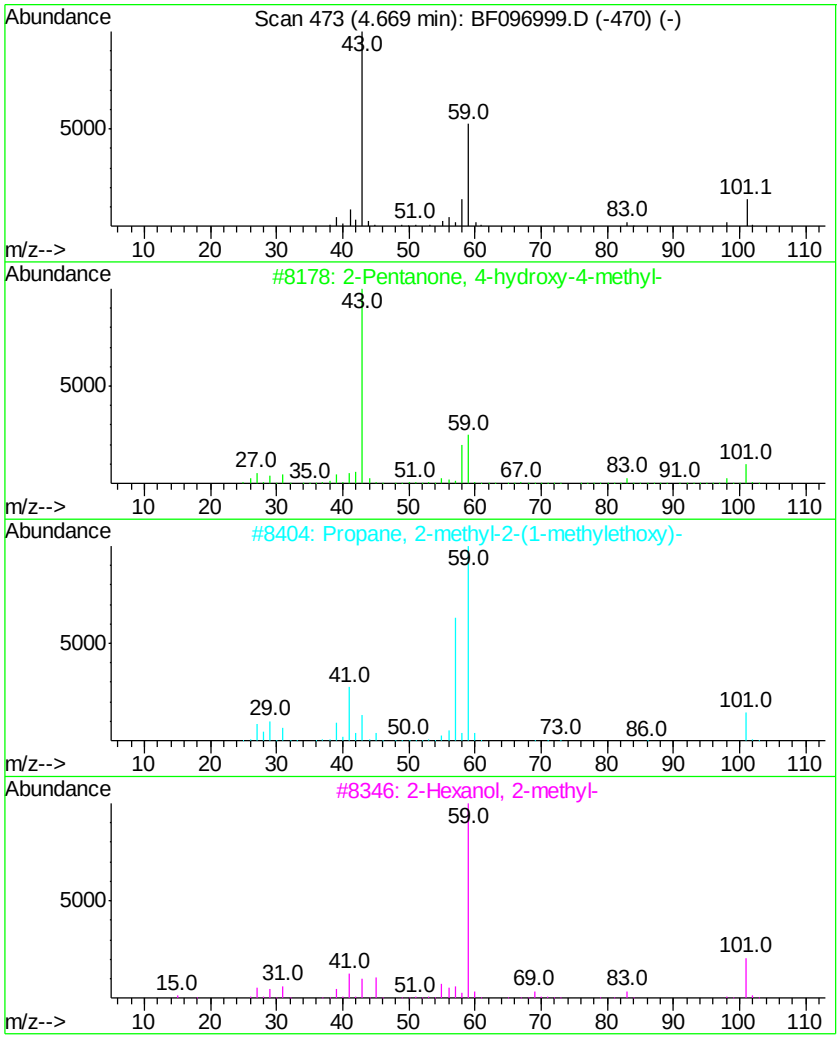
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

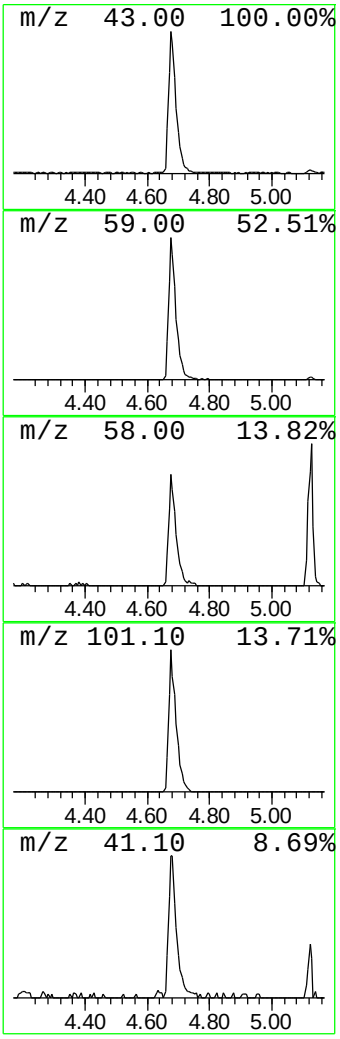
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.67 | 12.21 ng | 465938 | 1,4-Dichlorobenzene-d4 | 6.51 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 59 |
| 2 | Propane, 2-methyl-2-(1-methyleth... | 116 | C7H16O | 017348-59-3 | 53 |
| 3 | 2-Hexanol, 2-methyl- | 116 | C7H16O | 000625-23-0 | 28 |
| 4 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 25 |
| 5 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 9 |



Library Search Compound Report

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Data File : BF096999.D
Acq On : 24 Jul 2017 21:47
Operator : SJ/JU
Sample : I4361-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** RAMP-D-4-(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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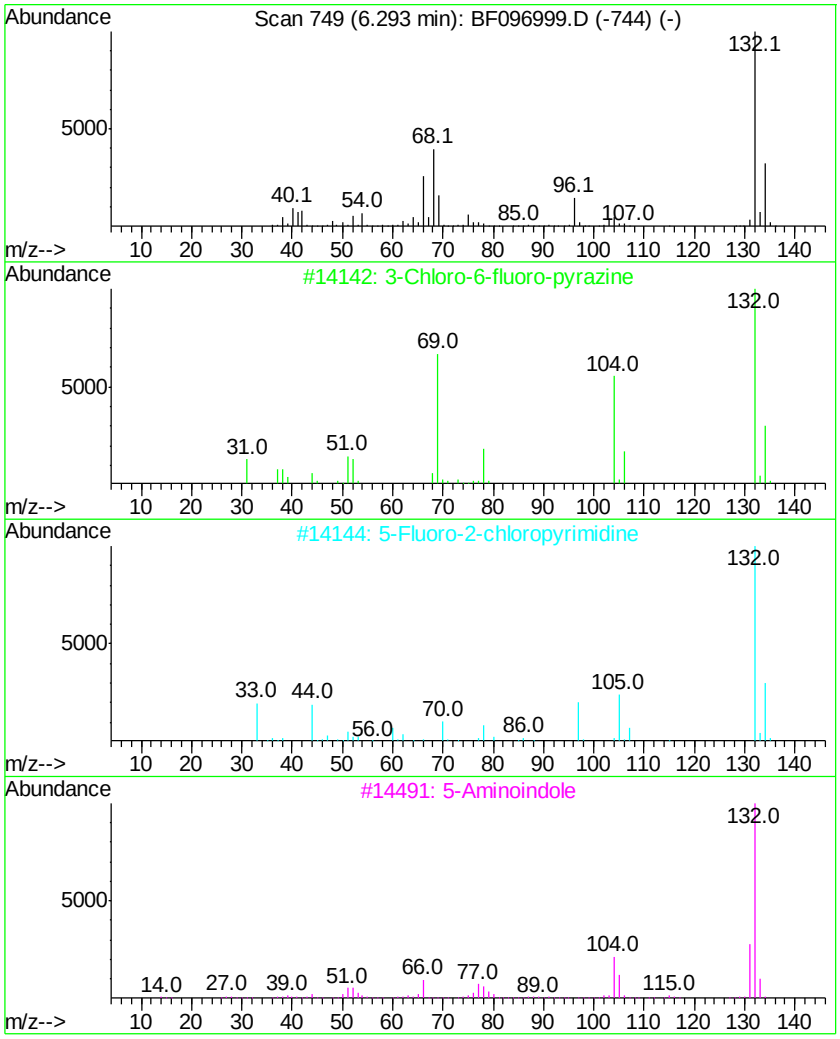
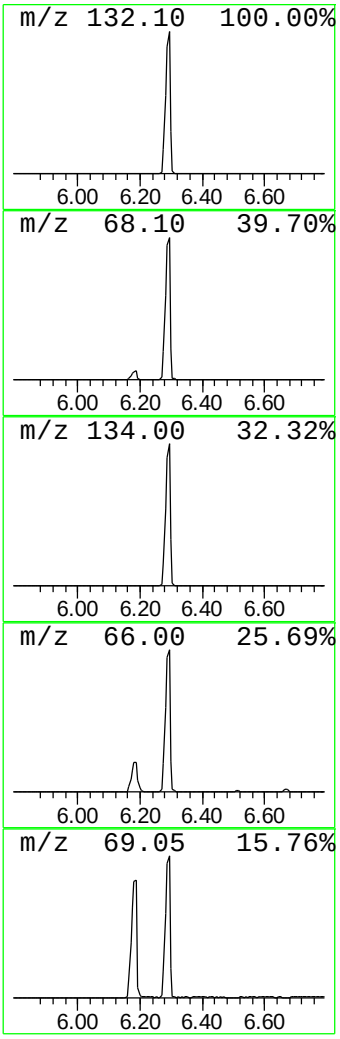
Peak Number 3 unknown6.29 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.29 | 86.97 ng | 3317560 | 1,4-Dichlorobenzene-d4 | 6.51 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 27 |
| 2 | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0 | 16 |
| 3 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 12 |
| 4 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 10 |
| 5 | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2 | 022291-85-6 | 9 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF072417\
Data File : BF096999.D
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Operator : SJ/JU
Sample : I4361-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** RAMP-D-4-(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
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TIC Library : C:\DATABASE\NIST11.L
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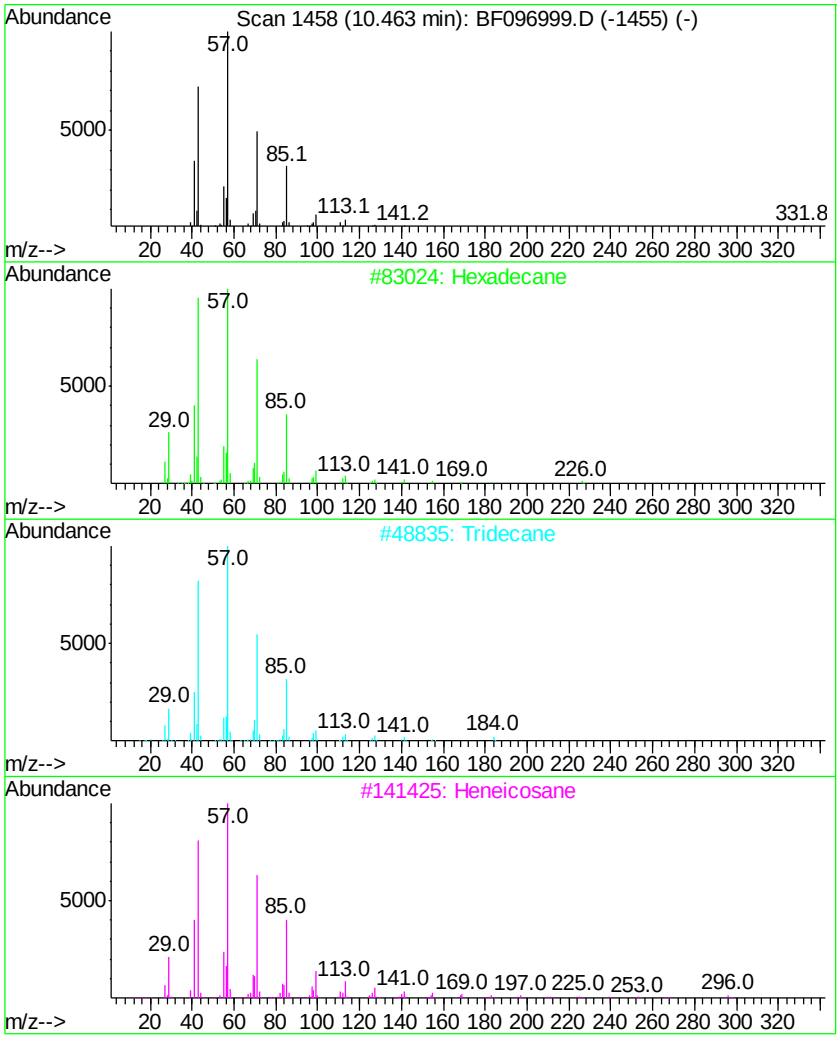
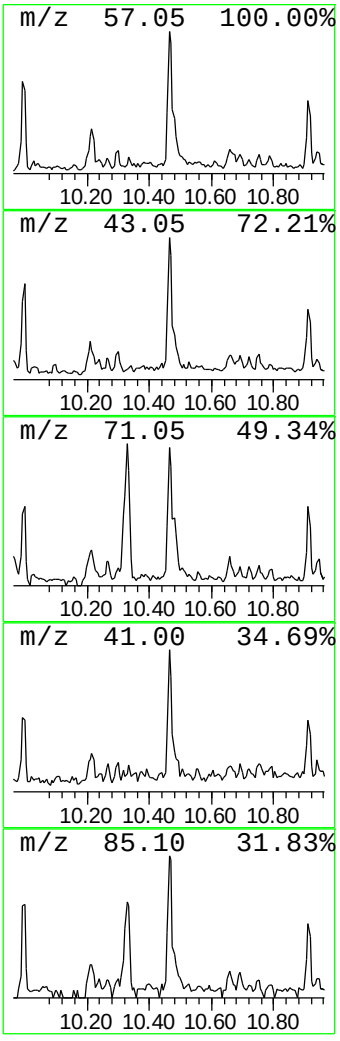
**********

Peak Number 5 Hexadecane Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.46 | 2.01 ng | 104329 | Phenanthrene-d10 | 11.02 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane | 226 | C16H34 | 000544-76-3 | 91 |
| 2 | Tridecane | 184 | C13H28 | 000629-50-5 | 90 |
| 3 | Heneicosane | 296 | C21H44 | 000629-94-7 | 90 |
| 4 | Pentadecane | 212 | C15H32 | 000629-62-9 | 83 |
| 5 | Tetradecane | 198 | C14H30 | 000629-59-4 | 83 |



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Operator : SJ/JU
Sample : I4361-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** RAMP-D-4-(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

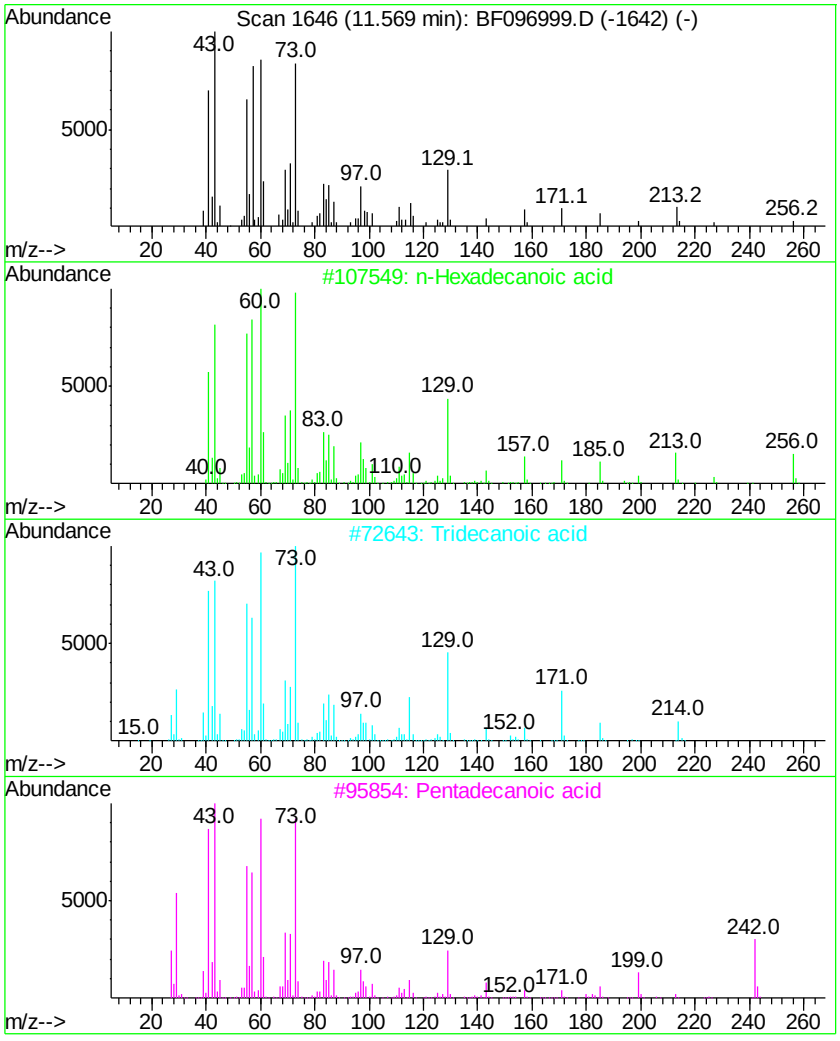
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

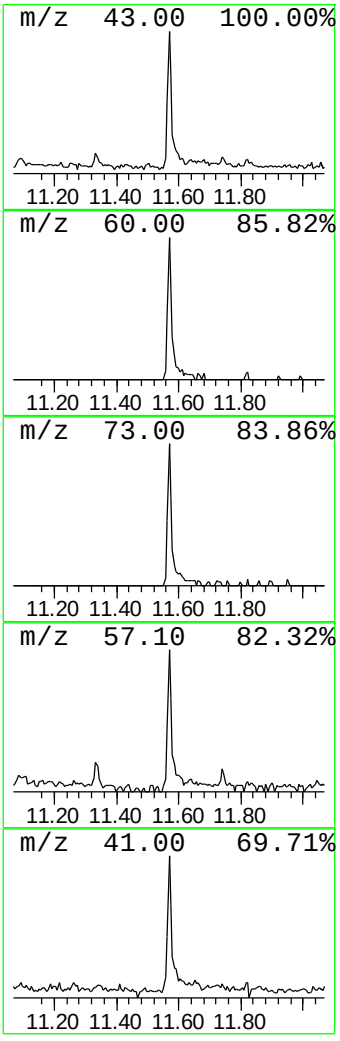
**********

Peak Number 6 n-Hexadecanoic acid Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.57 | 2.61 ng | 135548 | Phenanthrene-d10 | 11.02 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 90 |
| 2 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 89 |
| 3 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 72 |
| 4 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 58 |
| 5 | Undecanoic acid | 186 | C11H22O2 | 000112-37-8 | 53 |



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Sample : I4361-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** RAMP-D-4-(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
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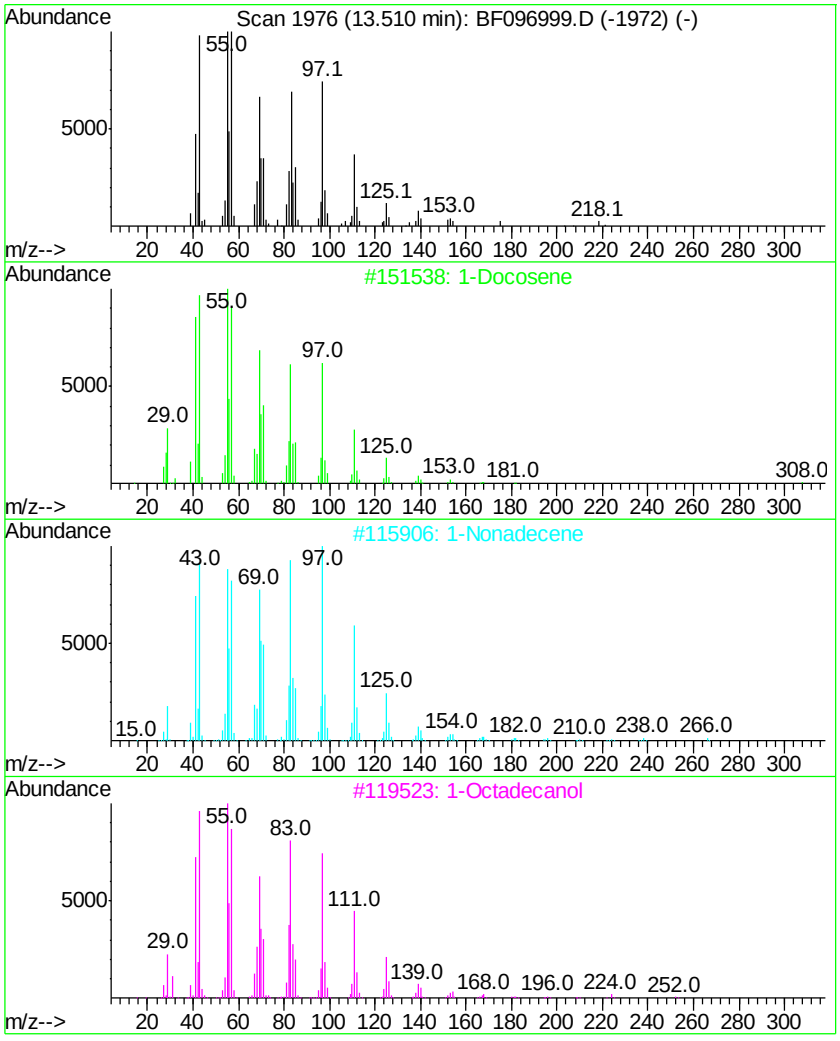
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

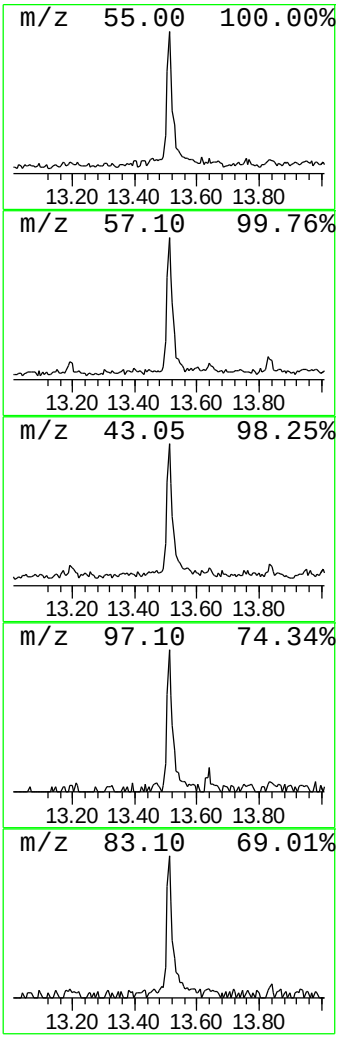
**********

Peak Number 7 1-Docosene Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.51 | 4.15 ng | 170725 | Chrysene-d12 | 13.64 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Docosene | 308 | C22H44 | 001599-67-3 | 91 |
| 2 | 1-Nonadecene | 266 | C19H38 | 018435-45-5 | 91 |
| 3 | 1-Octadecanol | 270 | C18H38O | 000112-92-5 | 87 |
| 4 | 1-Heneicosanol | 312 | C21H44O | 015594-90-8 | 87 |
| 5 | Trichloroacetic acid, tetradecyl... | 358 | C16H29Cl3O2 | 074339-52-9 | 83 |



# Tentatively Identified Compound (LSC) summary

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Misc :
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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 |
| 1,3-Dioxolane, 2,... | 2.35 | 4.3 | ng | 163875 | 1 | 6.51 | 762943 | 20.0 |
| 2-Pentanone, 4-hy... | 4.67 | 12.2 | ng | 465938 | 1 | 6.51 | 762943 | 20.0 |
| unknown6.29 | 6.29 | 87.0 | ng | 3317560 | 1 | 6.51 | 762943 | 20.0 |
| Hexadecane | 10.46 | 2.0 | ng | 104329 | 4 | 11.02 | 1039210 | 20.0 |
| n-Hexadecanoic acid | 11.57 | 2.6 | ng | 135548 | 4 | 11.02 | 1039210 | 20.0 |
| 1-Docosene | 13.51 | 4.2 | ng | 170725 | 5 | 13.64 | 822055 | 20.0 |