LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111015\
Data File : BF082875.D
Acq On : 10 Nov 2015 17:51
Operator : UM/IZ
Sample : G4326-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 20151102MGP217BRV64

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-BF110715.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 | 4.978 | 250 | 253 | 256 | rVB | 916537 | 1043141 | 14.13% | 2.041% |
| 2 | 5.413 | 289 | 291 | 294 | rVB | 3074564 | 2717488 | 36.82% | 5.318% |
| 3 | 6.453 | 379 | 382 | 384 | rBV | 1491692 | 1830798 | 24.80% | 3.583% |
| 4 | 6.579 | 391 | 393 | 396 | rBV | 3920510 | 4748906 | 64.34% | 9.294% |
| 5 | 6.819 | 411 | 414 | 416 | rBV | 1121115 | 1358827 | 18.41% | 2.659% |
| 6 | 6.979 | 425 | 428 | 430 | rVB | 3396784 | 4736462 | 64.17% | 9.269% |
| 7 | 7.379 | 460 | 463 | 465 | rBV | 3909938 | 3952853 | 53.56% | 7.736% |
| 8 | 8.099 | 524 | 526 | 529 | rVB | 1817043 | 1734601 | 23.50% | 3.395% |
| 9 | 9.059 | 608 | 610 | 616 | rBV | 65318 | 80473 | 1.09% | 0.157% |
| 10 | 9.185 | 618 | 621 | 623 | rBV | 7637788 | 7081311 | 95.94% | 13.858% |
| 11 | 9.573 | 653 | 655 | 657 | rBV | 173566 | 138818 | 1.88% | 0.272% |
| 12 | 9.859 | 677 | 680 | 682 | rBV | 2434230 | 2248219 | 30.46% | 4.400% |
| 13 | 10.282 | 713 | 717 | 718 | rBV2 | 56769 | 86381 | 1.17% | 0.169% |
| 14 | 10.648 | 746 | 749 | 751 | rBV | 4555164 | 4675428 | 63.35% | 9.150% |
| 15 | 10.773 | 759 | 760 | 764 | rVB | 65436 | 78811 | 1.07% | 0.154% |
| 16 | 10.865 | 767 | 768 | 769 | rVB | 109725 | 76471 | 1.04% | 0.150% |
| 17 | 11.333 | 807 | 809 | 812 | rBV | 1648494 | 2174566 | 29.46% | 4.256% |
| 18 | 11.882 | 854 | 857 | 858 | rBV | 328283 | 299281 | 4.05% | 0.586% |
| 19 | 12.671 | 923 | 926 | 932 | rBV | 166148 | 266249 | 3.61% | 0.521% |
| 20 | 12.934 | 946 | 949 | 951 | rBV | 7115137 | 7380771 | 100.00% | 14.444% |
| 21 | 13.836 | 1026 | 1028 | 1038 | rBV | 364869 | 443655 | 6.01% | 0.868% |
| 22 | 13.974 | 1038 | 1040 | 1043 | rBV | 2213479 | 2112687 | 28.62% | 4.135% |
| 23 | 15.414 | 1163 | 1166 | 1169 | rBV | 1365524 | 1681992 | 22.79% | 3.292% |
| 24 | 15.940 | 1209 | 1212 | 1215 | rBV3 | 28128 | 74291 | 1.01% | 0.145% |
| 25 | 16.362 | 1246 | 1249 | 1252 | rBV | 43235 | 75634 | 1.02% | 0.148% |

Sum of corrected areas: 51098114

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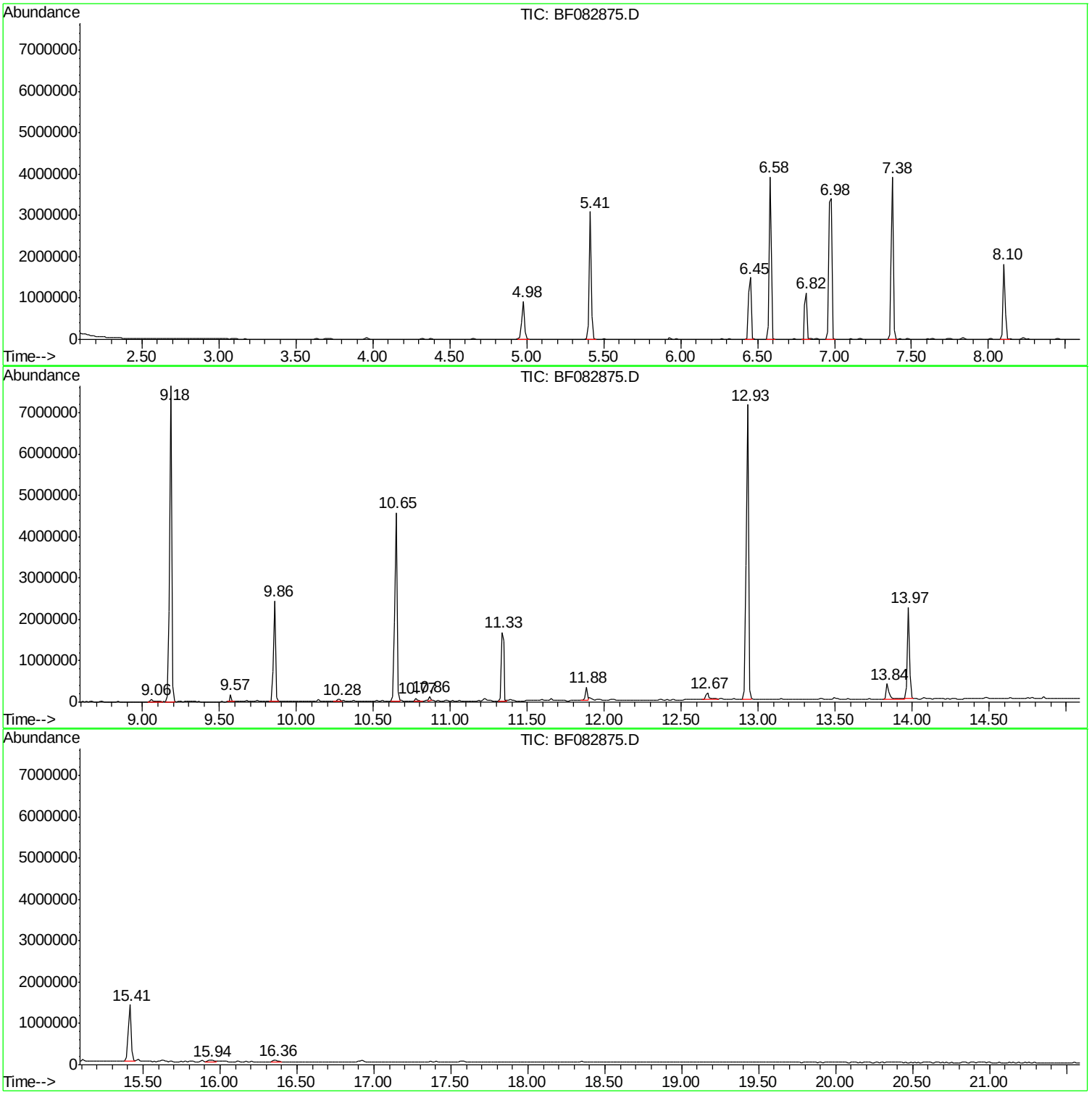
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
20151102MGP217BRV64

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.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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**Instrument :** BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.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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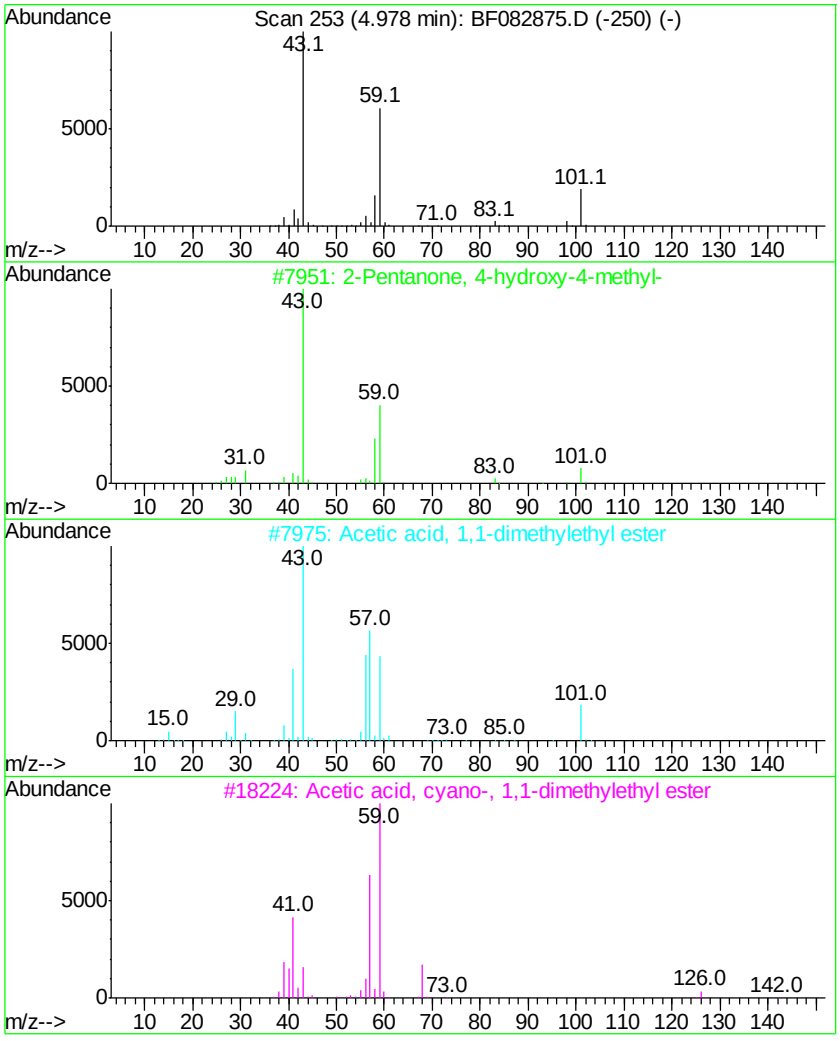
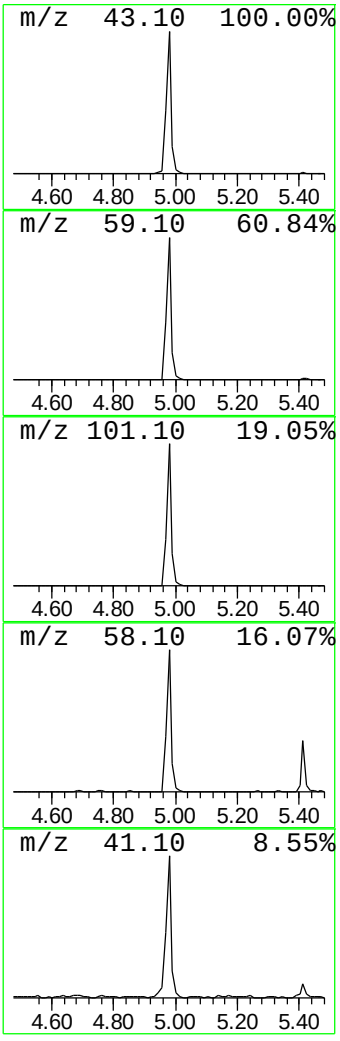
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.98 | 15.35 ng | 1043140 | 1,4-Dichlorobenzene-d4 | 6.82 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 56 |
| 2 | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 39 |
| 3 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 17 |
| 4 | 3-Hexanol, 4-ethyl- | 130 | C8H18O | 019780-44-0 | 9 |
| 5 | Butyl aldoxime, 3-methyl-, syn- | 101 | C5H11NO | 005780-40-5 | 9 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111015\
Data File : BF082875.D
Acq On : 10 Nov 2015 17:51
Operator : UM/IZ
Sample : G4326-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 20151102MGP217BRV64

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.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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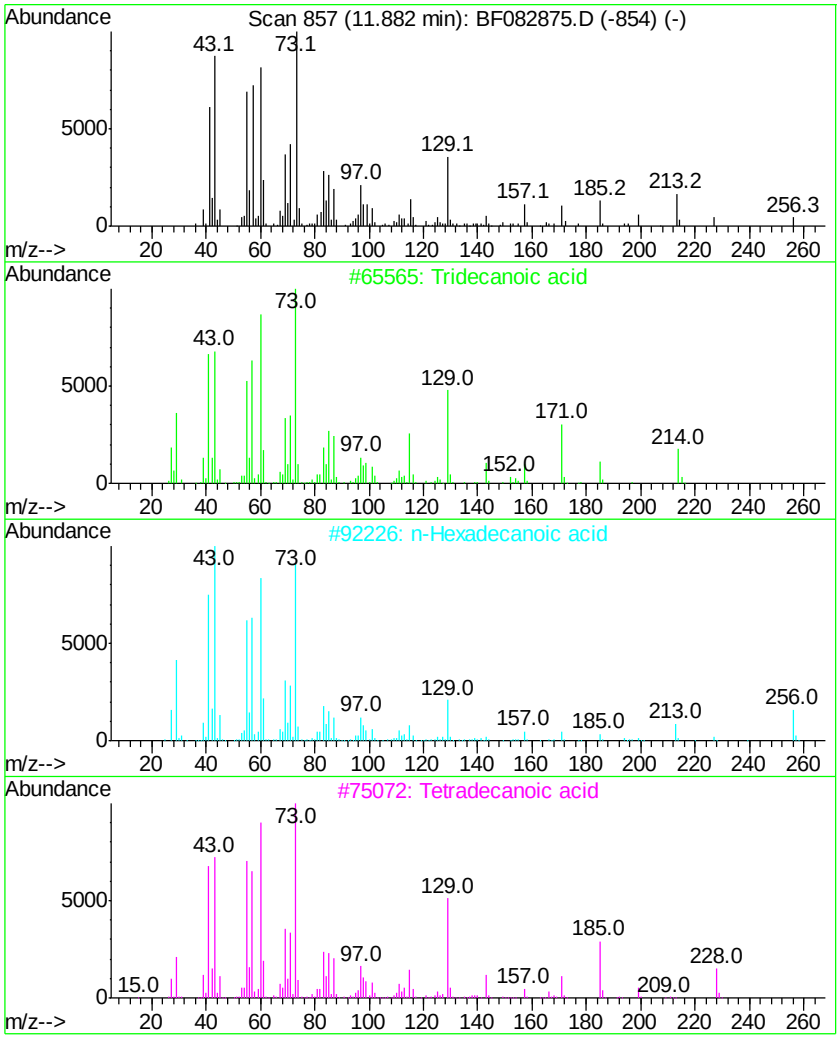
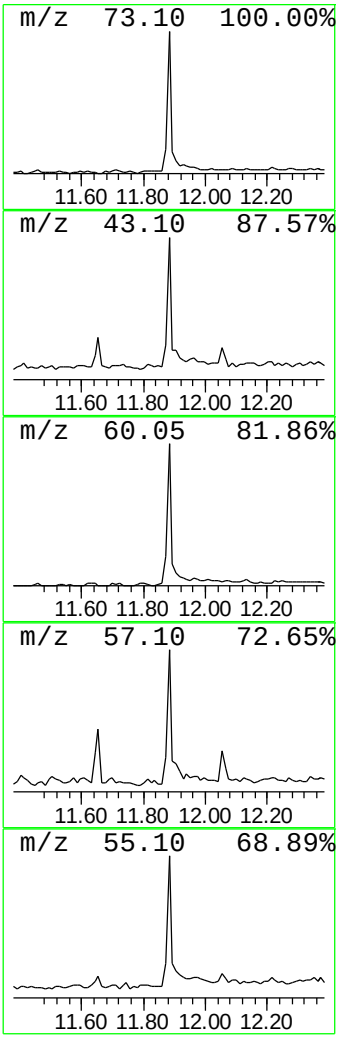
Peak Number 4 Tridecanoic acid Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.88 | 2.75 ng | 299281 | Phenanthrene-d10 | 11.34 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 91 |
| 2 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 90 |
| 3 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 83 |
| 4 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 80 |
| 5 | Undecanoic acid | 186 | C11H22O2 | 000112-37-8 | 43 |



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Data File : BF082875.D
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Operator : UM/IZ
Sample : G4326-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 20151102MGP217BRV64

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.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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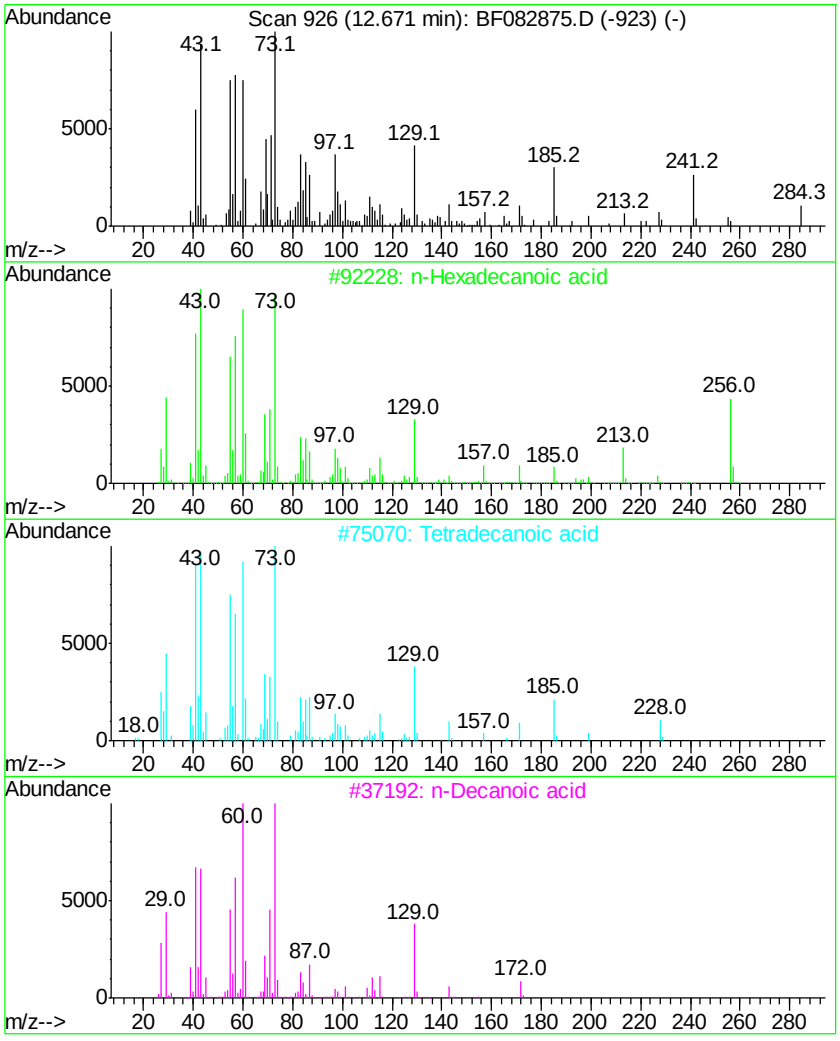
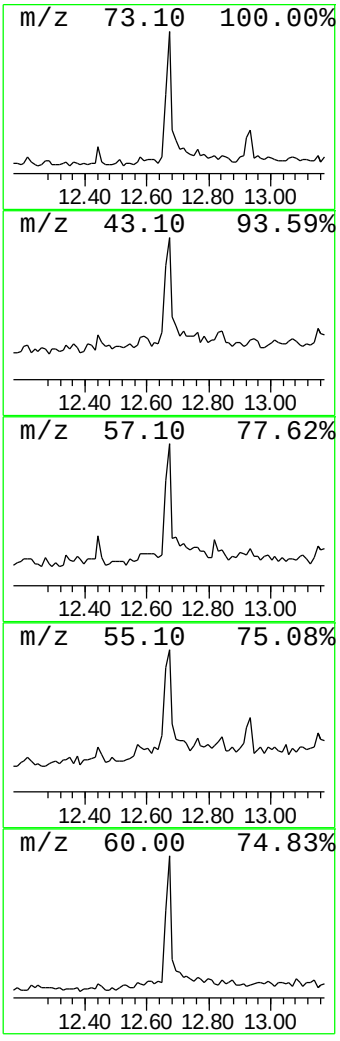
Peak Number 5 n-Hexadecanoic acid Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.67 | 2.52 ng | 266249 | Chrysene-d12 | 13.97 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 76 |
| 2 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 68 |
| 3 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 52 |
| 4 | Tetradecane, 4-ethyl- | 226 | C16H34 | 055045-14-2 | 11 |
| 5 | Pentadecane | 212 | C15H32 | 000629-62-9 | 11 |



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Operator : UM/IZ
Sample : G4326-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 20151102MGP217BRV64

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.M
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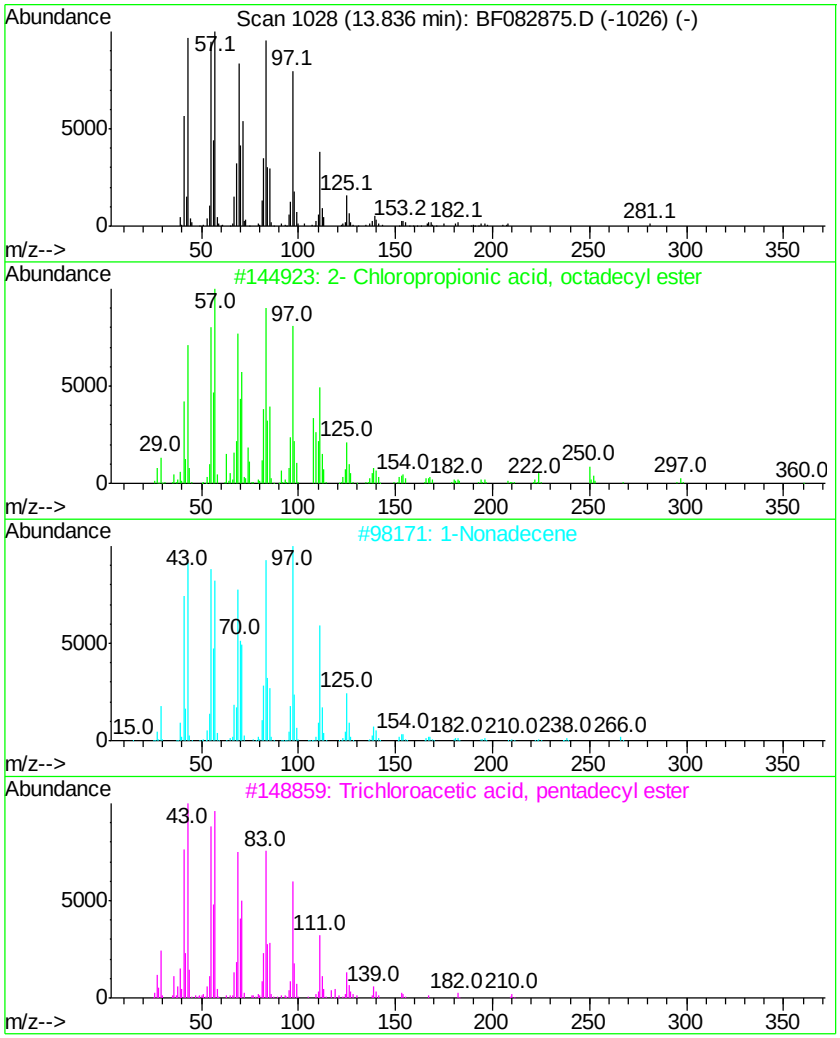
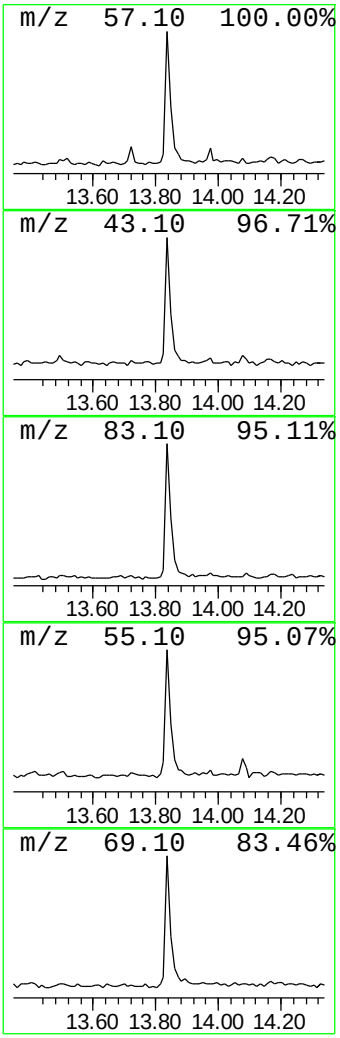
Peak Number 6 2- Chloropropionic acid, oc... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.84 | 4.20 ng | 443655 | Chrysene-d12 | 13.97 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2- Chloropropionic acid, octadec... | 360 | C21H41ClO2 | 088104-31-8 | 91 |
| 2 | 1-Nonadecene | 266 | C19H38 | 018435-45-5 | 91 |
| 3 | Trichloroacetic acid, pentadecyl... | 372 | C17H31Cl3O2 | 074339-53-0 | 91 |
| 4 | Bromoacetic acid, hexadecyl ester | 362 | C18H35BrO2 | 005454-48-8 | 91 |
| 5 | Heptafluorobutyric acid, n-penta... | 424 | C19H31F7O2 | 1000216-79-3 | 91 |



# Tentatively Identified Compound (LSC) summary

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Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.M
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TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| 2-Pentanone, 4-hy... | 4.98 | 15.4 | ng | 1043140 | 1 | 6.82 | 1358830 | 20.0 |
| Tridecanoic acid | 11.88 | 2.8 | ng | 299281 | 4 | 11.34 | 2174570 | 20.0 |
| n-Hexadecanoic acid | 12.67 | 2.5 | ng | 266249 | 5 | 13.97 | 2112690 | 20.0 |
| 2- Chloropropioni... | 13.84 | 4.2 | ng | 443655 | 5 | 13.97 | 2112690 | 20.0 |