LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052016\
Data File : BF087267.D
Acq On : 21 May 2016 12:31
Operator : UM/SJ
Sample : H3144-17
Misc :
ALS Vial : 38 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 12-AB-AC(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-BF051716.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 | 1.701 | 8 | 10 | 58 | rVB | 2904013 | 6116315 | 100.00% | 13.884% |
| 2 | 4.684 | 269 | 271 | 293 | rBV | 255885 | 631218 | 10.32% | 1.433% |
| 3 | 5.141 | 309 | 311 | 329 | rBV | 3607524 | 4156618 | 67.96% | 9.435% |
| 4 | 6.227 | 403 | 406 | 413 | rBV | 3866685 | 4341757 | 70.99% | 9.856% |
| 5 | 6.330 | 413 | 415 | 417 | rBV | 4658606 | 4602773 | 75.25% | 10.448% |
| 6 | 6.559 | 433 | 435 | 440 | rVB | 638455 | 837811 | 13.70% | 1.902% |
| 7 | 6.707 | 446 | 448 | 451 | rBV | 3252443 | 3051541 | 49.89% | 6.927% |
| 8 | 7.130 | 483 | 485 | 488 | rBV | 2453102 | 2745948 | 44.90% | 6.233% |
| 9 | 7.839 | 545 | 547 | 550 | rBV | 1004883 | 1129309 | 18.46% | 2.563% |
| 10 | 8.925 | 639 | 642 | 644 | rBV | 4421820 | 4623979 | 75.60% | 10.496% |
| 11 | 9.325 | 675 | 677 | 681 | rBV | 616316 | 548471 | 8.97% | 1.245% |
| 12 | 9.530 | 693 | 695 | 697 | rBV | 142145 | 141760 | 2.32% | 0.322% |
| 13 | 9.587 | 697 | 700 | 703 | rBV | 1376395 | 1278506 | 20.90% | 2.902% |
| 14 | 10.033 | 736 | 739 | 740 | rBV | 220339 | 201871 | 3.30% | 0.458% |
| 15 | 10.250 | 755 | 758 | 761 | rBV | 66703 | 120336 | 1.97% | 0.273% |
| 16 | 10.376 | 766 | 769 | 772 | rBV | 2509615 | 2698660 | 44.12% | 6.126% |
| 17 | 10.502 | 778 | 780 | 786 | rVB | 209124 | 256792 | 4.20% | 0.583% |
| 18 | 10.948 | 817 | 819 | 820 | rBV | 93863 | 86133 | 1.41% | 0.196% |
| 19 | 11.062 | 827 | 829 | 832 | rBV | 1272223 | 1187081 | 19.41% | 2.695% |
| 20 | 11.622 | 875 | 878 | 881 | rBV2 | 76464 | 130288 | 2.13% | 0.296% |
| 21 | 12.479 | 951 | 953 | 956 | rBV | 70600 | 62782 | 1.03% | 0.143% |
| 22 | 12.651 | 965 | 968 | 970 | rBV | 2798697 | 3268491 | 53.44% | 7.419% |
| 23 | 13.576 | 1044 | 1049 | 1056 | rBV | 61422 | 206134 | 3.37% | 0.468% |
| 24 | 13.691 | 1056 | 1059 | 1066 | rVV | 935530 | 932565 | 15.25% | 2.117% |
| 25 | 15.039 | 1175 | 1177 | 1183 | rBV | 489934 | 696730 | 11.39% | 1.582% |

Sum of corrected areas: 44053869

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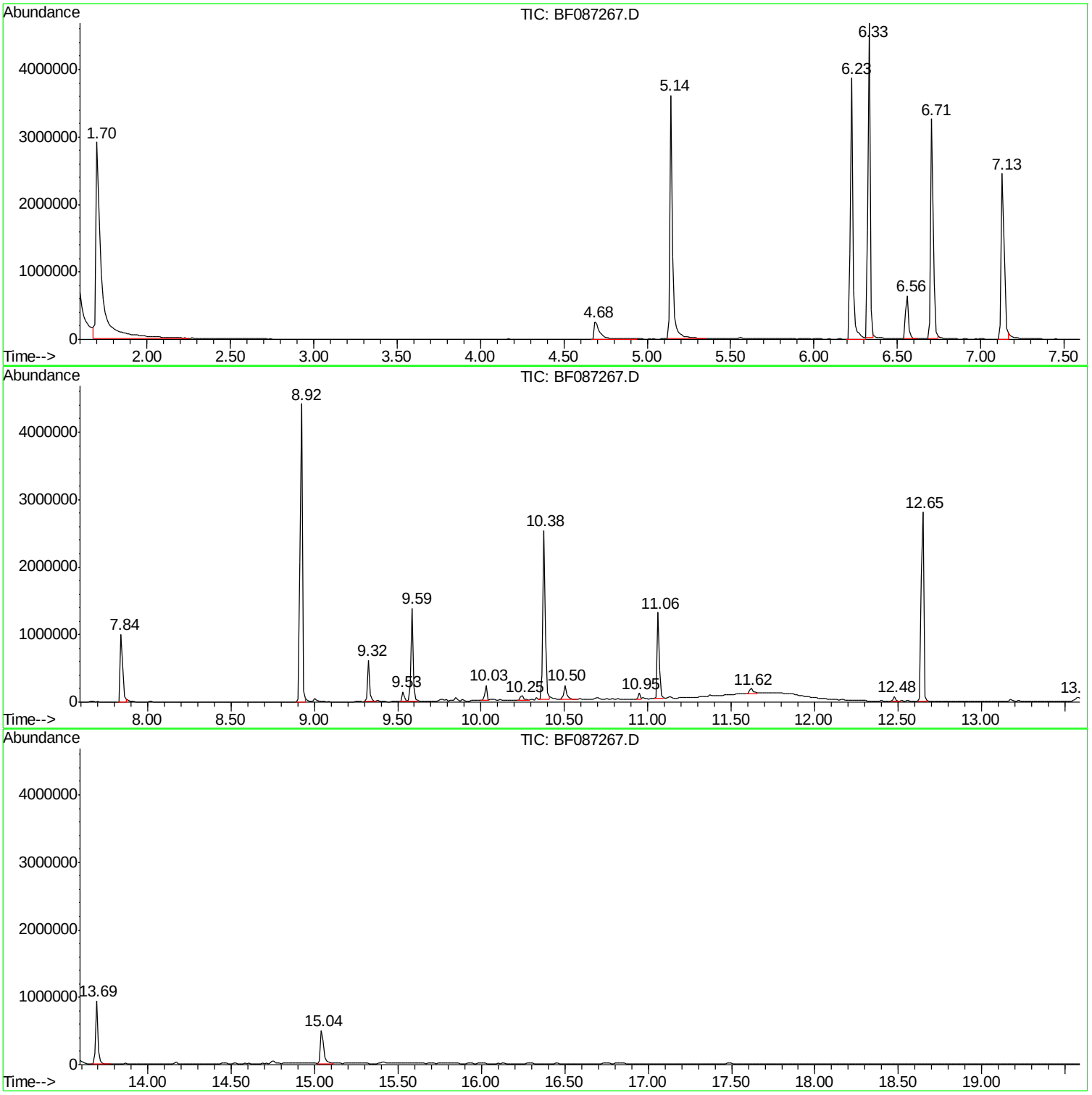
BNA_F
**ClientSampleId :**
12-AB-AC(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.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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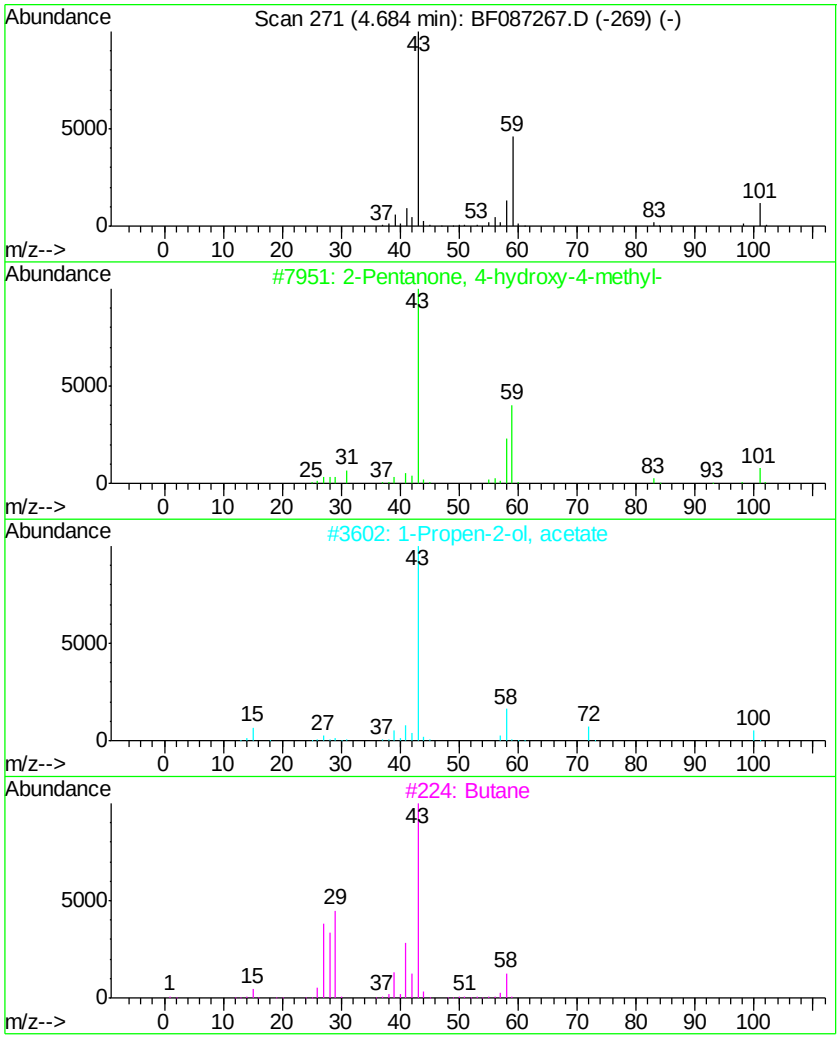
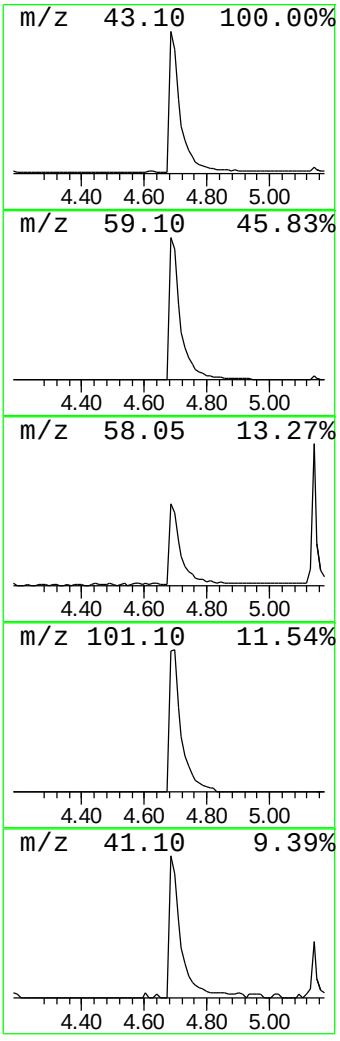
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.68 | 15.07 ng | 631218 | 1,4-Dichlorobenzene-d4 | 6.56 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 50 |
| 2 | 1-Propen-2-ol, acetate | 100 | C5H8O2 | 000108-22-5 | 10 |
| 3 | Butane | 58 | C4H10 | 000106-97-8 | 9 |
| 4 | Diacetamide | 101 | C4H7NO2 | 000625-77-4 | 9 |
| 5 | 2-Propanone, 1-(1-methylethoxy)- | 116 | C6H12O2 | 042781-12-4 | 9 |



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**Instrument :** BNA_F
**ClientSampleId :** 12-AB-AC(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
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TIC Library : C:\DATABASE\NIST02.L
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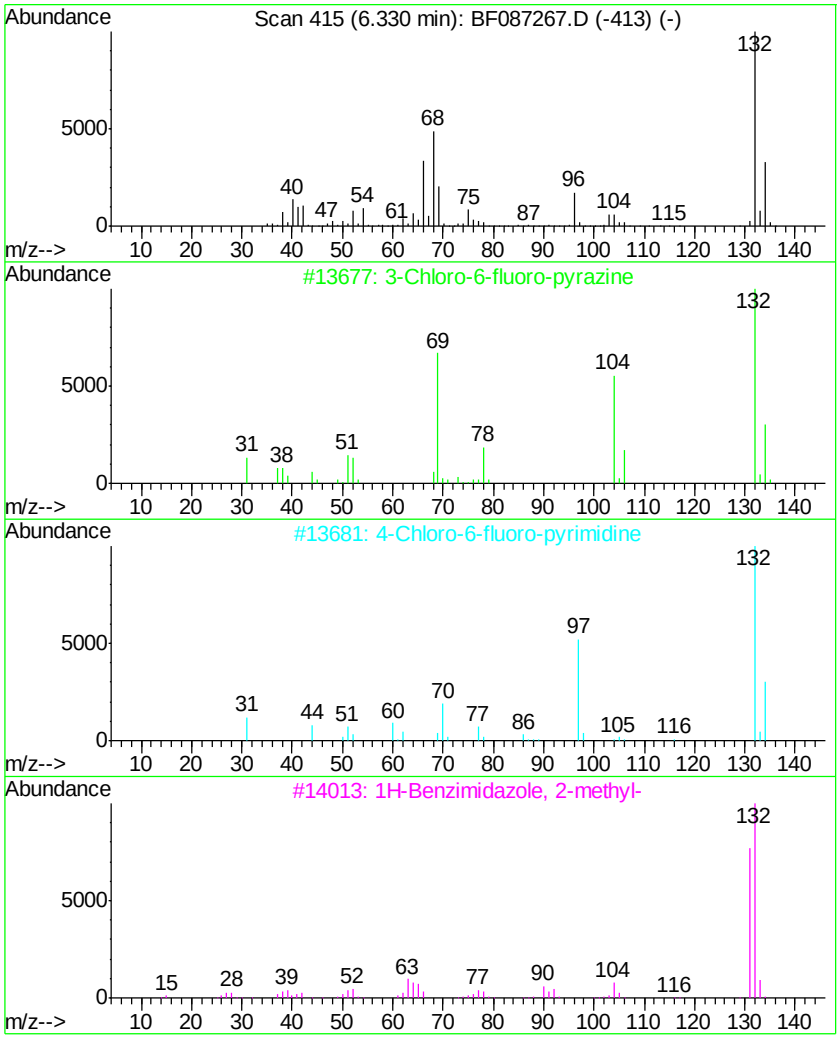
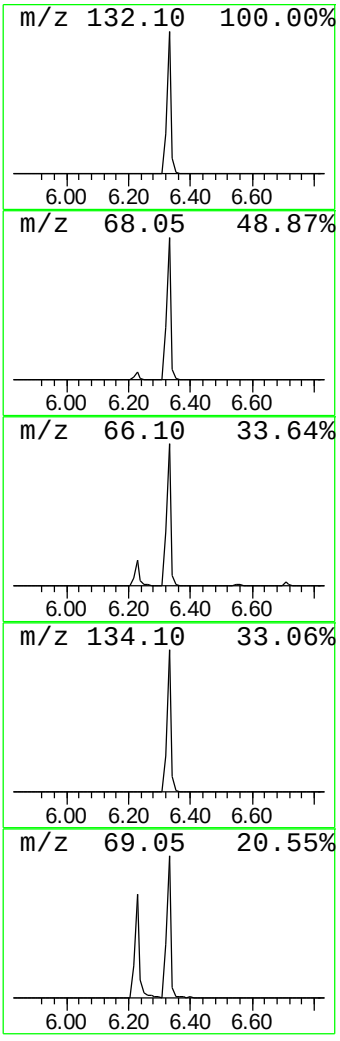
Peak Number 3 unknown6.33 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.33 | 109.88 ng | 4602770 | 1,4-Dichlorobenzene-d4 | 6.56 |

| 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 | 1H-Benzimidazole, 2-methyl- | 132 | C8H8N2 | 000615-15-6 | 22 |
| 4 | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0 | 16 |
| 5 | (5-METHYL-2-PYRIDYL)ACETONITRILE | 132 | C8H8N2 | 1000241-93-9 | 10 |



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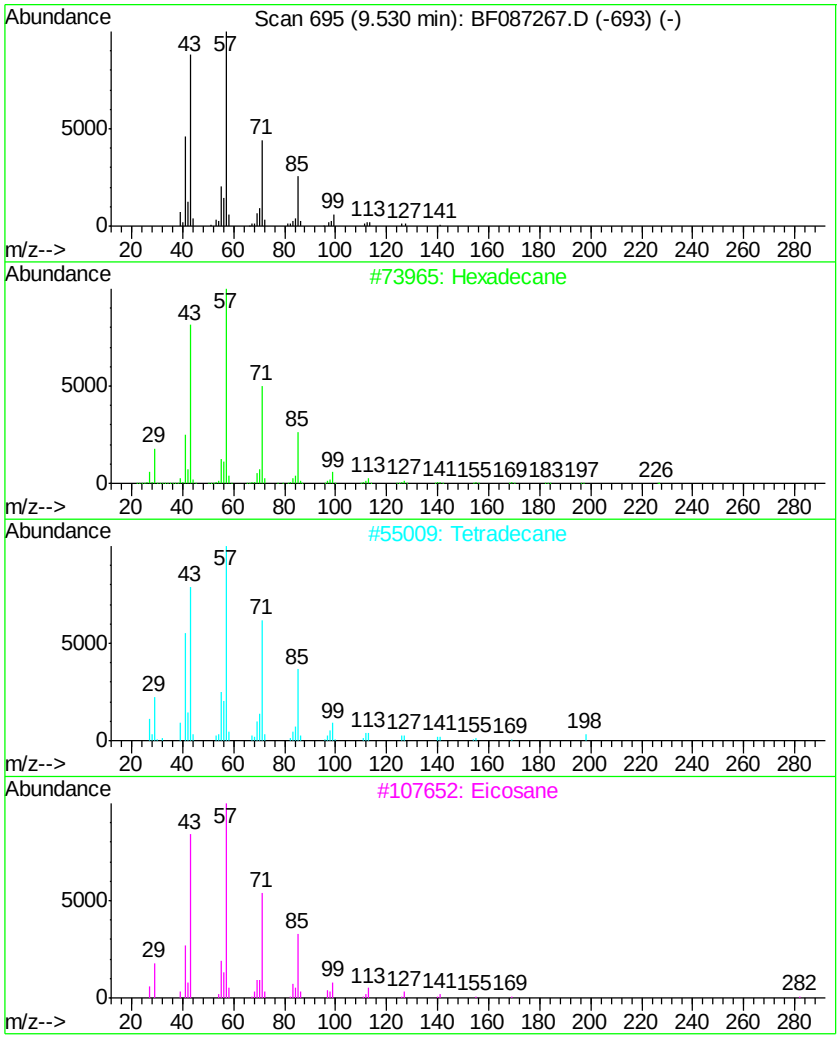
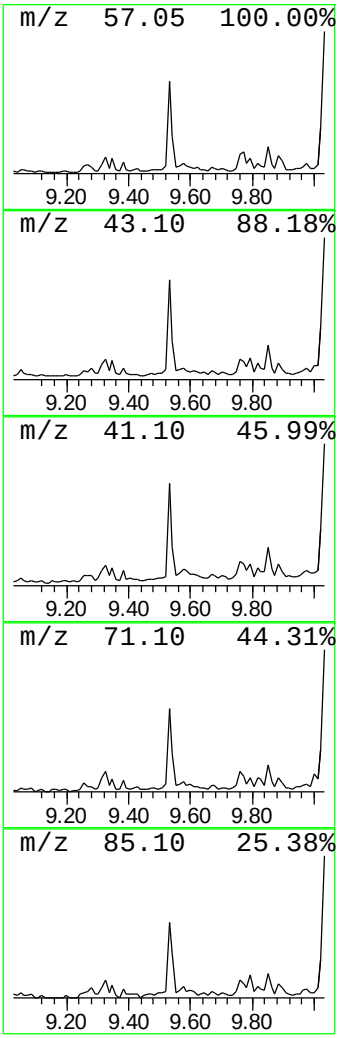
Peak Number 5 Hexadecane Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.53 | 2.22 ng | 141760 | Acenaphthene-d10 | 9.59 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane | 226 | C16H34 | 000544-76-3 | 91 |
| 2 | Tetradecane | 198 | C14H30 | 000629-59-4 | 90 |
| 3 | Eicosane | 282 | C20H42 | 000112-95-8 | 90 |
| 4 | Pentadecane | 212 | C15H32 | 000629-62-9 | 86 |
| 5 | Nonane, 5-butyl- | 184 | C13H28 | 017312-63-9 | 72 |



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**Instrument :** BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
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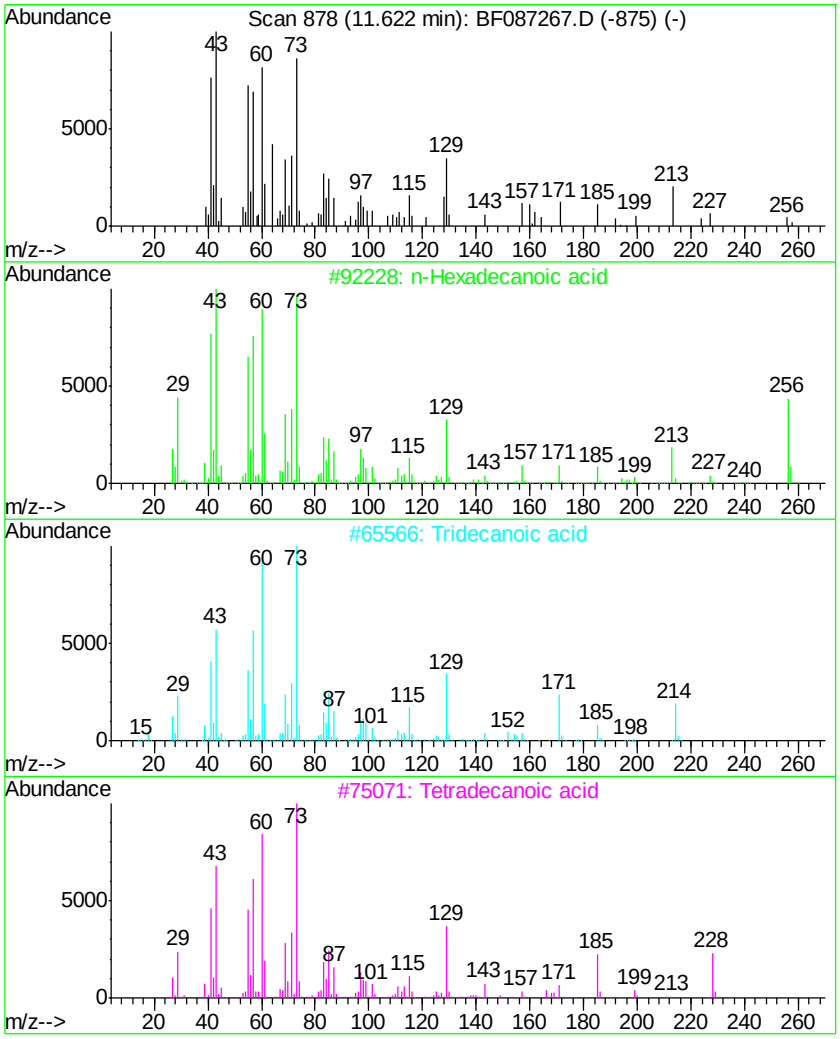
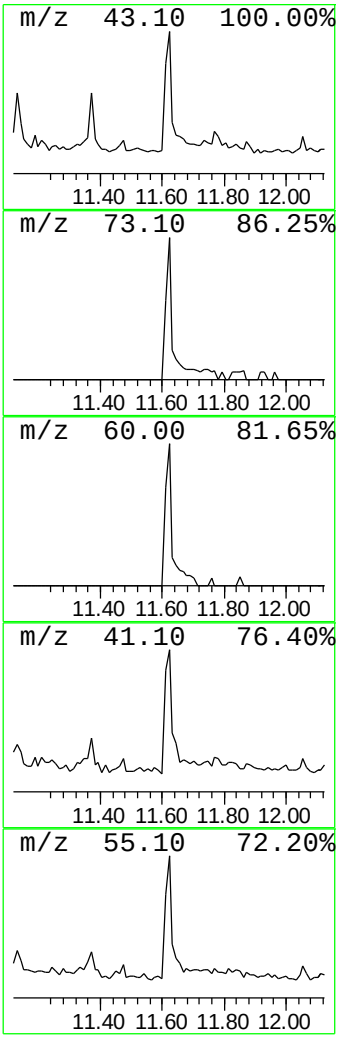
Peak Number 8 n-Hexadecanoic acid Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.62 | 2.20 ng | 130288 | Phenanthrene-d10 | 11.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 50 |
| 2 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 38 |
| 3 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 38 |
| 4 | Dodecanoic acid | 200 | C12H24O2 | 000143-07-7 | 35 |
| 5 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 35 |



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ALS Vial : 38 Sample Multiplier: 1

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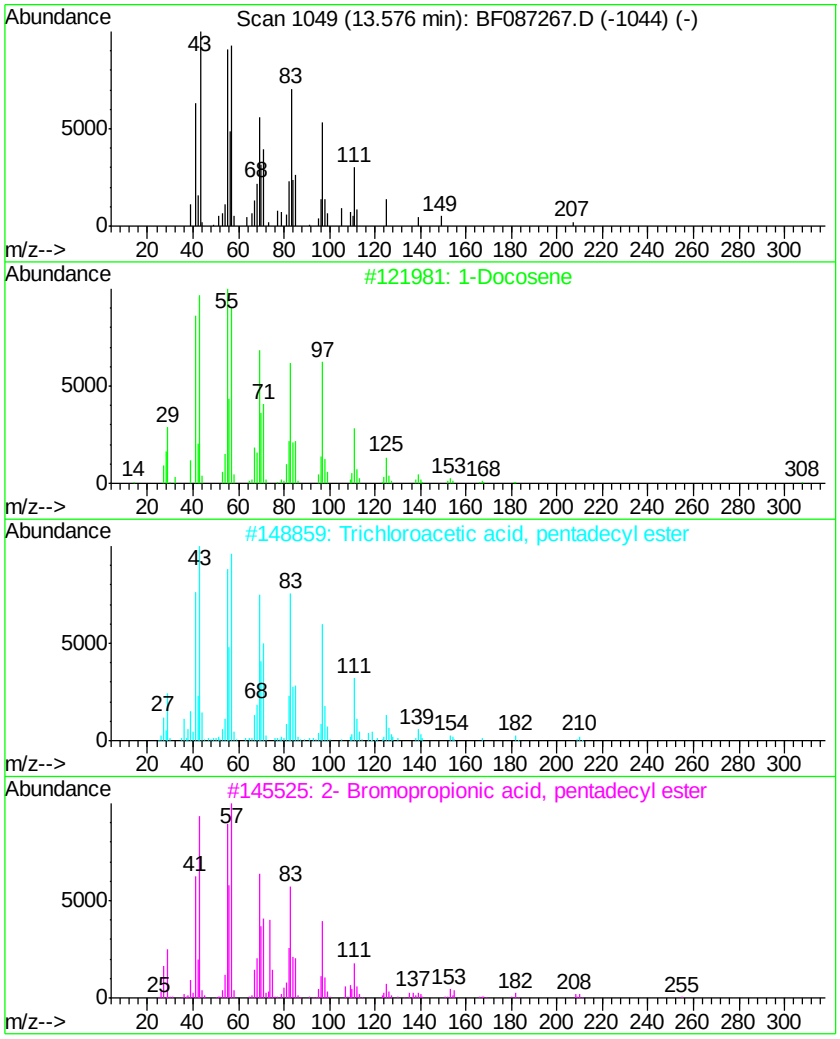
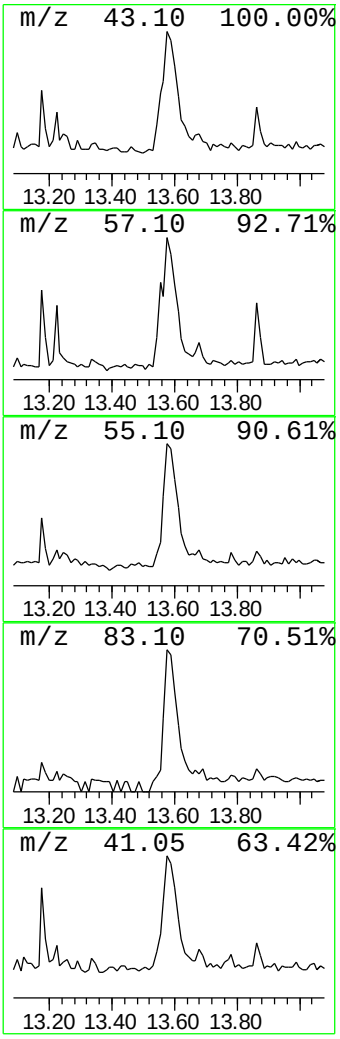
Peak Number 9 1-Docosene Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.58 | 4.42 ng | 206134 | Chrysene-d12 | 13.69 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Docosene | 308 | C22H44 | 001599-67-3 | 95 |
| 2 | Trichloroacetic acid, pentadecyl... | 372 | C17H31Cl3O2 | 074339-53-0 | 91 |
| 3 | 2- Bromopropionic acid, pentadec... | 362 | C18H35BrO2 | 1000292-44-2 | 91 |
| 4 | Trichloroacetic acid, tetradecyl... | 358 | C16H29Cl3O2 | 074339-52-9 | 91 |
| 5 | 1-Octadecene | 252 | C18H36 | 000112-88-9 | 91 |



Tentatively Identified Compound (LSC) summary

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| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| 2-Pentanone, 4-hy... | 4.68 | 15.1 | ng | 631218 | 1 | 6.56 | 837811 | 20.0 |
| unknown6.33 | 6.33 | 109.9 | ng | 4602770 | 1 | 6.56 | 837811 | 20.0 |
| Hexadecane | 9.53 | 2.2 | ng | 141760 | 3 | 9.59 | 1278510 | 20.0 |
| n-Hexadecanoic acid | 11.62 | 2.2 | ng | 130288 | 4 | 11.06 | 1187080 | 20.0 |
| 1-Docosene | 13.58 | 4.4 | ng | 206134 | 5 | 13.69 | 932565 | 20.0 |