LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052016\
Data File : BF087249.D
Acq On : 21 May 2016 3:17
Operator : UM/SJ
Sample : H3144-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 7-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 | 44 | rVB | 2113350 | 3923056 | 82.66% | 9.054% |
| 2 | 3.930 | 203 | 205 | 216 | rBV | 66567 | 186348 | 3.93% | 0.430% |
| 3 | 4.684 | 269 | 271 | 286 | rBV | 292559 | 720879 | 15.19% | 1.664% |
| 4 | 5.141 | 308 | 311 | 333 | rBV | 3487138 | 4122474 | 86.86% | 9.514% |
| 5 | 6.227 | 403 | 406 | 408 | rBV | 3866901 | 4382846 | 92.35% | 10.115% |
| 6 | 6.330 | 413 | 415 | 417 | rBV | 3696948 | 4168074 | 87.82% | 9.619% |
| 7 | 6.559 | 433 | 435 | 441 | rVB | 612317 | 874885 | 18.43% | 2.019% |
| 8 | 6.707 | 446 | 448 | 451 | rBV | 3071156 | 2818796 | 59.39% | 6.505% |
| 9 | 7.130 | 483 | 485 | 497 | rBV | 2472684 | 2583783 | 54.44% | 5.963% |
| 10 | 7.839 | 545 | 547 | 550 | rBV | 1055808 | 1180341 | 24.87% | 2.724% |
| 11 | 8.925 | 639 | 642 | 644 | rBV | 4657754 | 4745929 | 100.00% | 10.953% |
| 12 | 9.325 | 675 | 677 | 681 | rBV | 482955 | 440599 | 9.28% | 1.017% |
| 13 | 9.530 | 693 | 695 | 697 | rBV | 129930 | 140502 | 2.96% | 0.324% |
| 14 | 9.588 | 697 | 700 | 702 | rBV | 1570016 | 1396571 | 29.43% | 3.223% |
| 15 | 9.770 | 712 | 716 | 717 | rBV | 30322 | 52147 | 1.10% | 0.120% |
| 16 | 10.033 | 736 | 739 | 741 | rBV | 277007 | 249037 | 5.25% | 0.575% |
| 17 | 10.250 | 754 | 758 | 761 | rBV | 79898 | 136123 | 2.87% | 0.314% |
| 18 | 10.376 | 766 | 769 | 772 | rBV | 2625127 | 2795293 | 58.90% | 6.451% |
| 19 | 10.502 | 778 | 780 | 787 | rVB | 262994 | 320868 | 6.76% | 0.740% |
| 20 | 10.696 | 795 | 797 | 801 | rVB | 27913 | 51402 | 1.08% | 0.119% |
| 21 | 10.948 | 817 | 819 | 820 | rBV | 71731 | 65297 | 1.38% | 0.151% |
| 22 | 11.062 | 827 | 829 | 832 | rBV | 1434953 | 1346417 | 28.37% | 3.107% |
| 23 | 11.611 | 875 | 877 | 883 | rBV | 39178 | 66224 | 1.40% | 0.153% |
| 24 | 12.651 | 965 | 968 | 970 | rBV | 4434673 | 4454995 | 93.87% | 10.281% |
| 25 | 13.611 | 1048 | 1052 | 1057 | rBV3 | 42418 | 166412 | 3.51% | 0.384% |
| 26 | 13.691 | 1057 | 1059 | 1065 | rVB | 1204830 | 1156865 | 24.38% | 2.670% |
| 27 | 15.039 | 1175 | 1177 | 1184 | rBV | 643297 | 785478 | 16.55% | 1.813% |

Sum of corrected areas: 43331641

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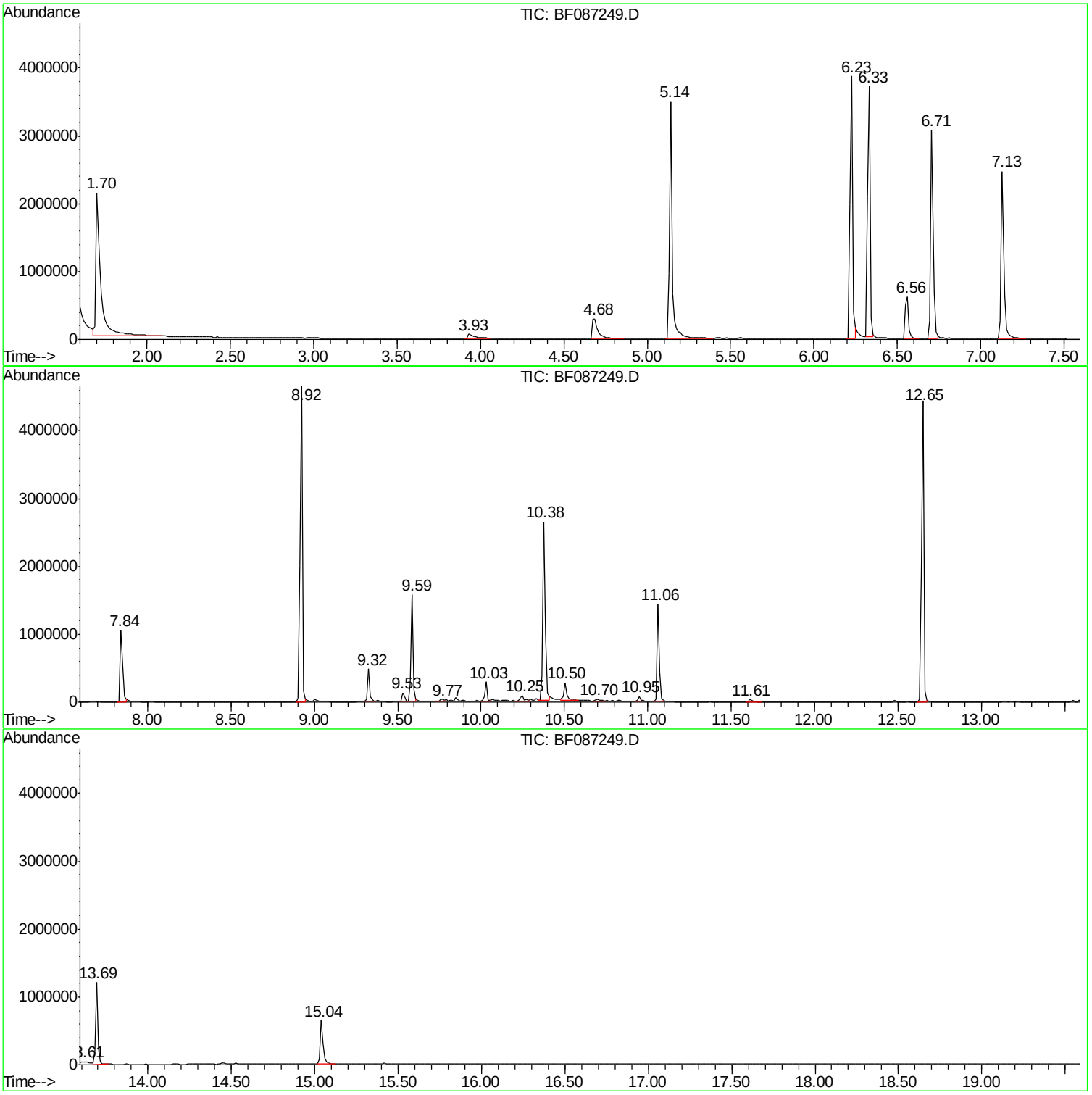
**Instrument :**
BNA_F
**ClientSampleId :**
7-AB-AC(0-2)

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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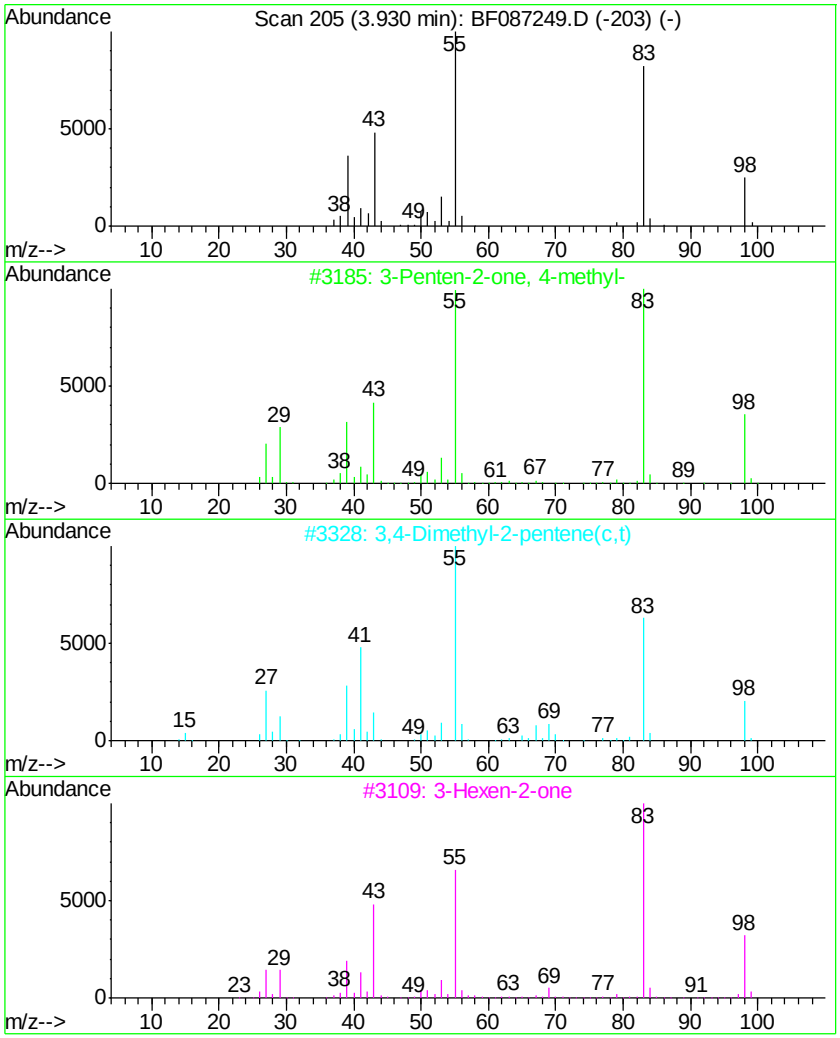
TIC Integration Parameters: LSCINT.P

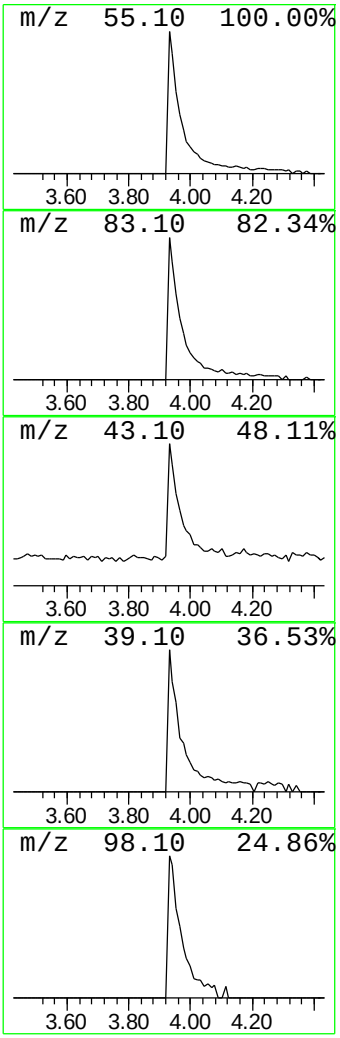
**********

Peak Number 2 3-Penten-2-one, 4-methyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.93 | 4.26 ng | 186348 | 1,4-Dichlorobenzene-d4 | 6.56 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Penten-2-one, 4-methyl- | 98 | C6H10O | 000141-79-7 | 91 |
| 2 | 3,4-Dimethyl-2-pentene(c,t) | 98 | C7H14 | 1000118-16-5 | 86 |
| 3 | 3-Hexen-2-one | 98 | C6H10O | 000763-93-9 | 80 |
| 4 | Cyclopropane, 1,1,2,3-tetramethyl- | 98 | C7H14 | 074752-93-5 | 72 |
| 5 | 2-Pentene, 2,4-dimethyl- | 98 | C7H14 | 000625-65-0 | 72 |



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ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 7-AB-AC(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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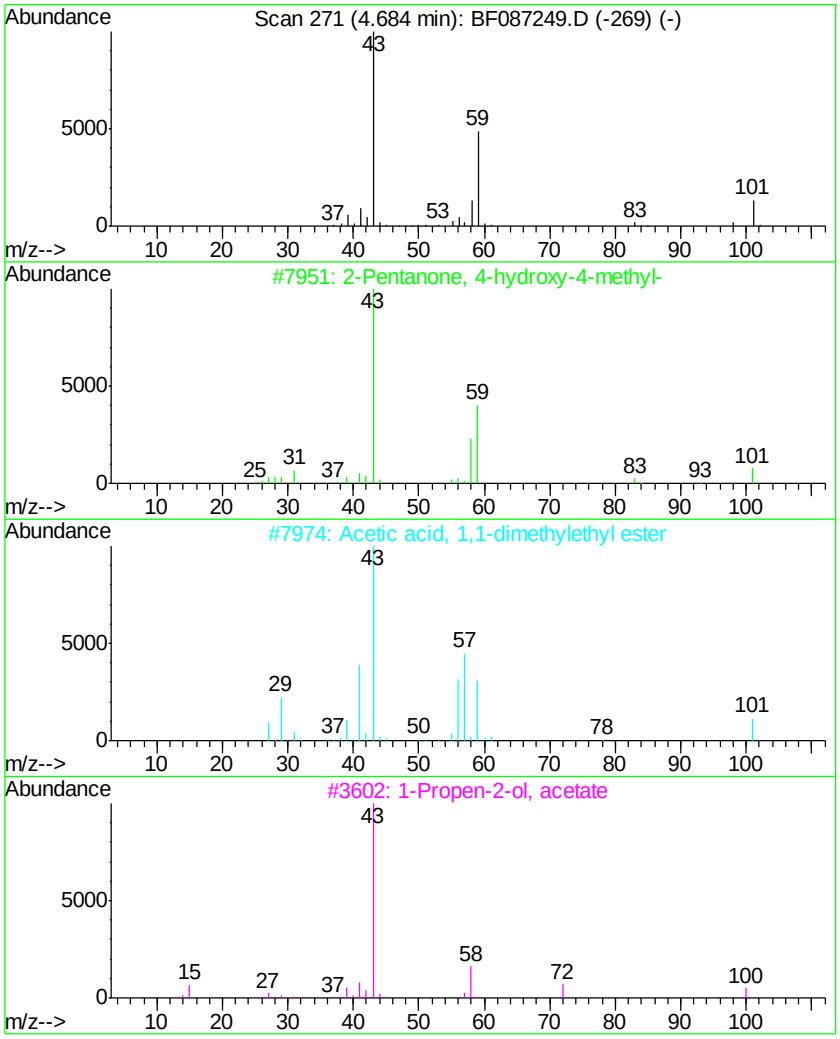
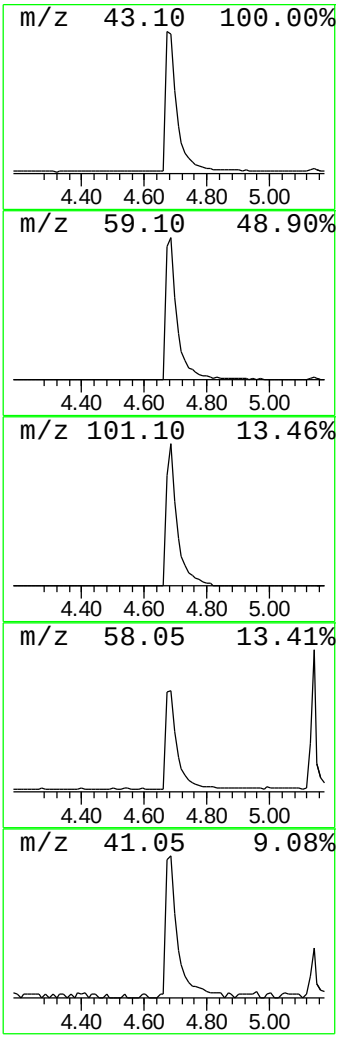
Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.68 | 16.48 ng | 720879 | 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 | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 28 |
| 3 | 1-Propen-2-ol, acetate | 100 | C5H8O2 | 000108-22-5 | 10 |
| 4 | Diacetamide | 101 | C4H7NO2 | 000625-77-4 | 9 |
| 5 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 9 |



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Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 7-AB-AC(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
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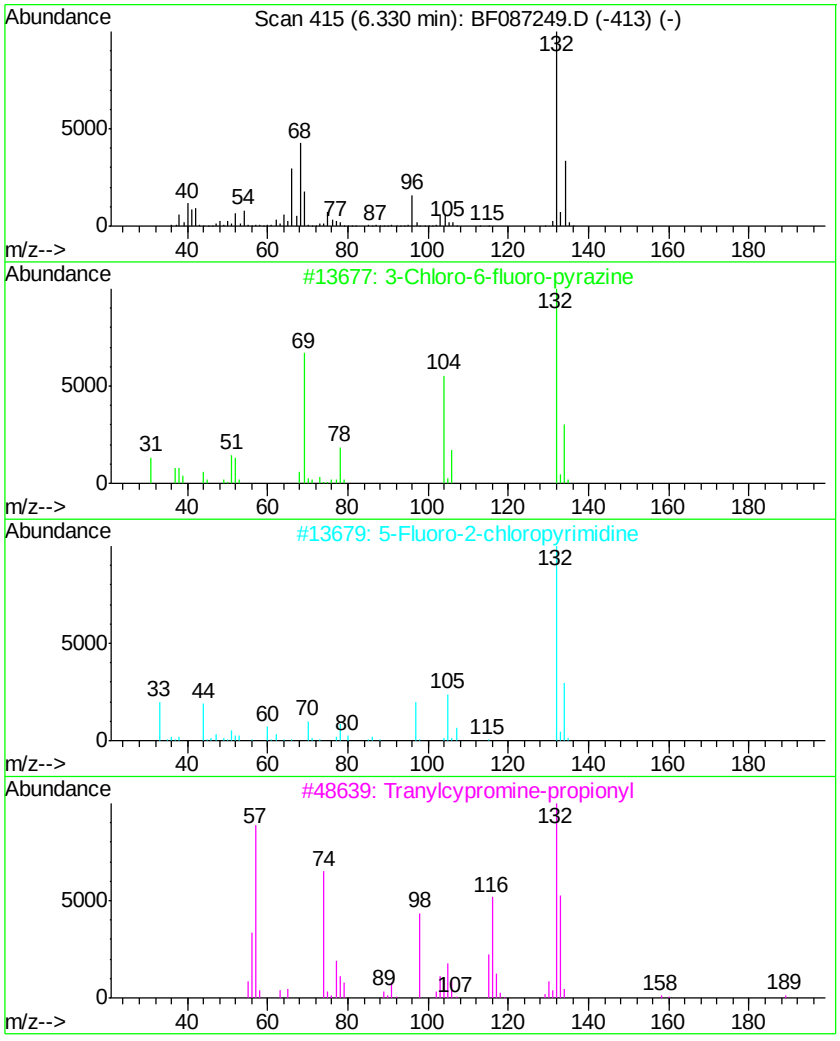
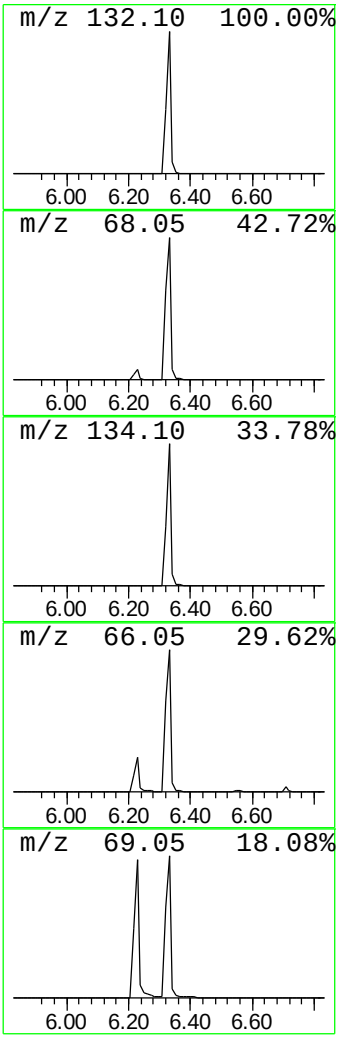
Peak Number 4 unknown6.33 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.33 | 95.28 ng | 4168070 | 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 | 35 |
| 2 | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0 | 12 |
| 3 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 10 |
| 4 | (5-METHYL-2-PYRIDYL)ACETONITRILE | 132 | C8H8N2 | 1000241-93-9 | 10 |
| 5 | Benzene, 1,2,4-trifluoro- | 132 | C6H3F3 | 000367-23-7 | 9 |



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**Instrument :** BNA_F
**ClientSampleId :** 7-AB-AC(0-2)

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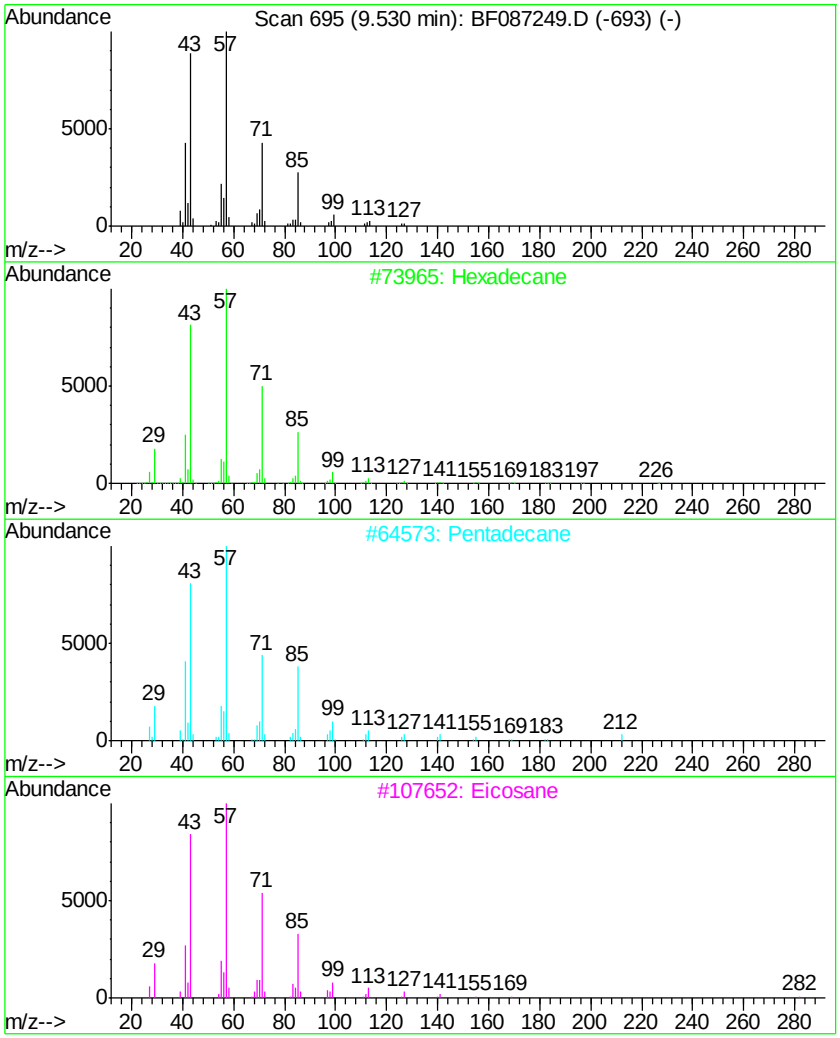
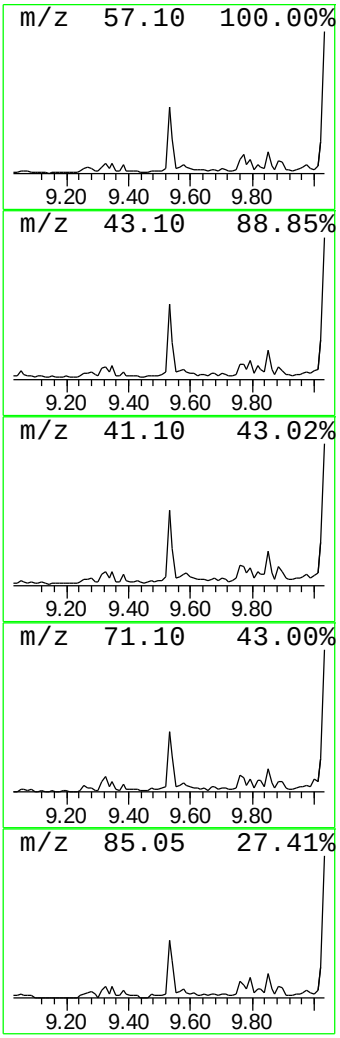
Peak Number 6 Hexadecane Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.53 | 2.01 ng | 140502 | Acenaphthene-d10 | 9.59 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane | 226 | C16H34 | 000544-76-3 | 90 |
| 2 | Pentadecane | 212 | C15H32 | 000629-62-9 | 86 |
| 3 | Eicosane | 282 | C20H42 | 000112-95-8 | 83 |
| 4 | Undecane, 2-methyl- | 170 | C12H26 | 007045-71-8 | 78 |
| 5 | Hexatriacontane | 507 | C36H74 | 000630-06-8 | 72 |



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ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 7-AB-AC(0-2)

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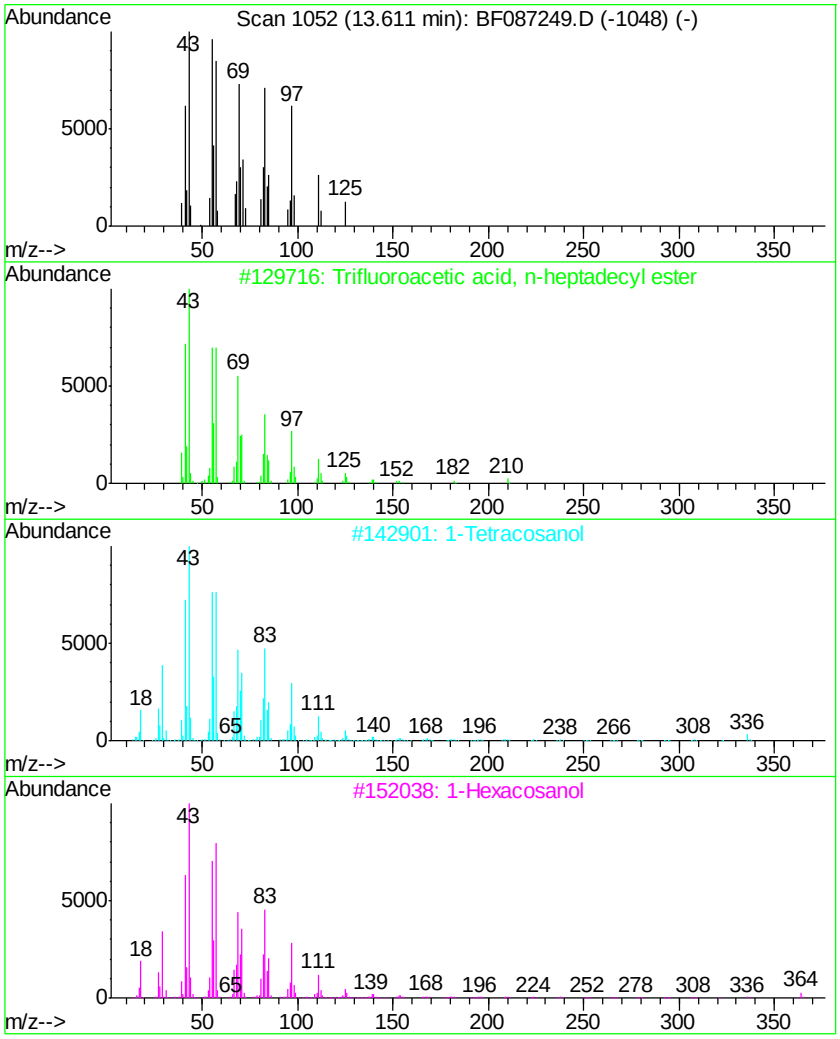
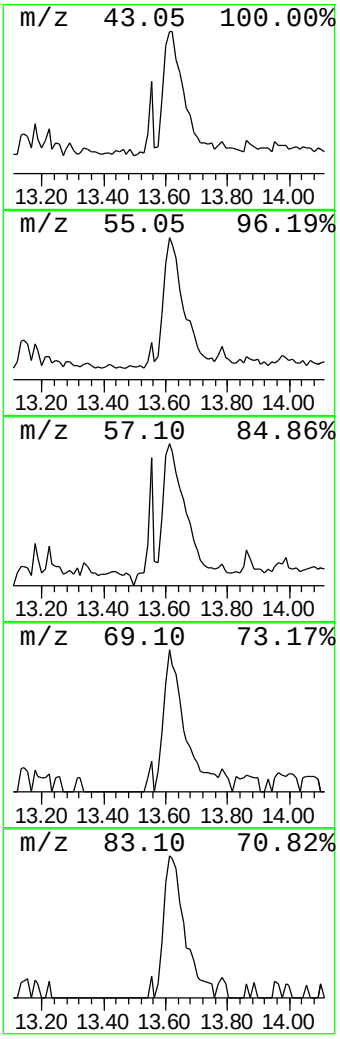
**********

Peak Number 9 Trifluoroacetic acid, n-hep... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.61 | 2.88 ng | 166412 | Chrysene-d12 | 13.69 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Trifluoroacetic acid, n-heptadec... | 324 | C17H31F3O2 | 1000216-79-2 | 64 |
| 2 | 1-Tetracosanol | 354 | C24H50O | 000506-51-4 | 60 |
| 3 | 1-Hexacosanol | 382 | C26H54O | 000506-52-5 | 53 |
| 4 | Cyclopentane, 1,1,3-trimethyl- | 112 | C8H16 | 004516-69-2 | 49 |
| 5 | 1-Pentene, 3-methyl- | 84 | C6H12 | 000760-20-3 | 43 |



Tentatively Identified Compound (LSC) summary

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| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| 3-Penten-2-one, 4... | 3.93 | 4.3 | ng | 186348 | 1 | 6.56 | 874885 | 20.0 |
| 2-Pentanone, 4-hy... | 4.68 | 16.5 | ng | 720879 | 1 | 6.56 | 874885 | 20.0 |
| unknown6.33 | 6.33 | 95.3 | ng | 4168070 | 1 | 6.56 | 874885 | 20.0 |
| Hexadecane | 9.53 | 2.0 | ng | 140502 | 3 | 9.59 | 1396570 | 20.0 |
| Trifluoroacetic a... | 13.61 | 2.9 | ng | 166412 | 5 | 13.69 | 1156870 | 20.0 |