LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121516\
Data File : BF091641.D
Acq On : 15 Dec 2016 21:09
Operator : UM/SJ
Sample : H6029-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** IDW-WATER-01

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-BF120916.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 | 4.281 | 190 | 192 | 197 | rBV | 62713 | 81462 | 1.00% | 0.133% |
| 2 | 4.944 | 248 | 250 | 253 | rBV | 1154280 | 1641839 | 20.23% | 2.679% |
| 3 | 5.378 | 286 | 288 | 291 | rBV | 3287512 | 4423696 | 54.51% | 7.219% |
| 4 | 6.419 | 377 | 379 | 382 | rBV | 3251739 | 2850211 | 35.12% | 4.651% |
| 5 | 6.556 | 388 | 391 | 393 | rBV | 7101210 | 7544389 | 92.97% | 12.312% |
| 6 | 6.784 | 408 | 411 | 413 | rBV | 1965562 | 1800082 | 22.18% | 2.938% |
| 7 | 6.944 | 422 | 425 | 427 | rVB | 6511881 | 6796018 | 83.75% | 11.091% |
| 8 | 7.356 | 457 | 461 | 463 | rBV | 4439229 | 6012944 | 74.10% | 9.813% |
| 9 | 8.064 | 521 | 523 | 526 | rBV | 1945599 | 2272297 | 28.00% | 3.708% |
| 10 | 9.150 | 615 | 618 | 620 | rBV | 8514695 | 8115094 | 100.00% | 13.244% |
| 11 | 9.539 | 650 | 652 | 655 | rBV | 111319 | 120741 | 1.49% | 0.197% |
| 12 | 9.825 | 674 | 677 | 679 | rBV | 2893788 | 2515666 | 31.00% | 4.105% |
| 13 | 10.259 | 712 | 715 | 717 | rVB3 | 100343 | 177593 | 2.19% | 0.290% |
| 14 | 10.613 | 743 | 746 | 748 | rBV | 4757730 | 4828072 | 59.49% | 7.879% |
| 15 | 10.739 | 752 | 757 | 761 | rVB3 | 63975 | 117207 | 1.44% | 0.191% |
| 16 | 11.173 | 793 | 795 | 798 | rBV3 | 92738 | 151826 | 1.87% | 0.248% |
| 17 | 11.299 | 804 | 806 | 809 | rBV | 1835571 | 1932458 | 23.81% | 3.154% |
| 18 | 11.836 | 852 | 853 | 855 | rBV | 77124 | 99379 | 1.22% | 0.162% |
| 19 | 11.871 | 855 | 856 | 859 | rVB2 | 259196 | 254151 | 3.13% | 0.415% |
| 20 | 12.625 | 921 | 922 | 929 | rBV | 76010 | 83771 | 1.03% | 0.137% |
| 21 | 12.774 | 932 | 935 | 937 | rBV | 87668 | 82841 | 1.02% | 0.135% |
| 22 | 12.888 | 943 | 945 | 948 | rBV | 5108316 | 6197031 | 76.36% | 10.113% |
| 23 | 13.928 | 1034 | 1036 | 1039 | rBV | 1222328 | 1632450 | 20.12% | 2.664% |
| 24 | 15.345 | 1157 | 1160 | 1163 | rBV | 1154976 | 1544381 | 19.03% | 2.520% |

Sum of corrected areas: 61275599

LSC Report - Integrated Chromatogram

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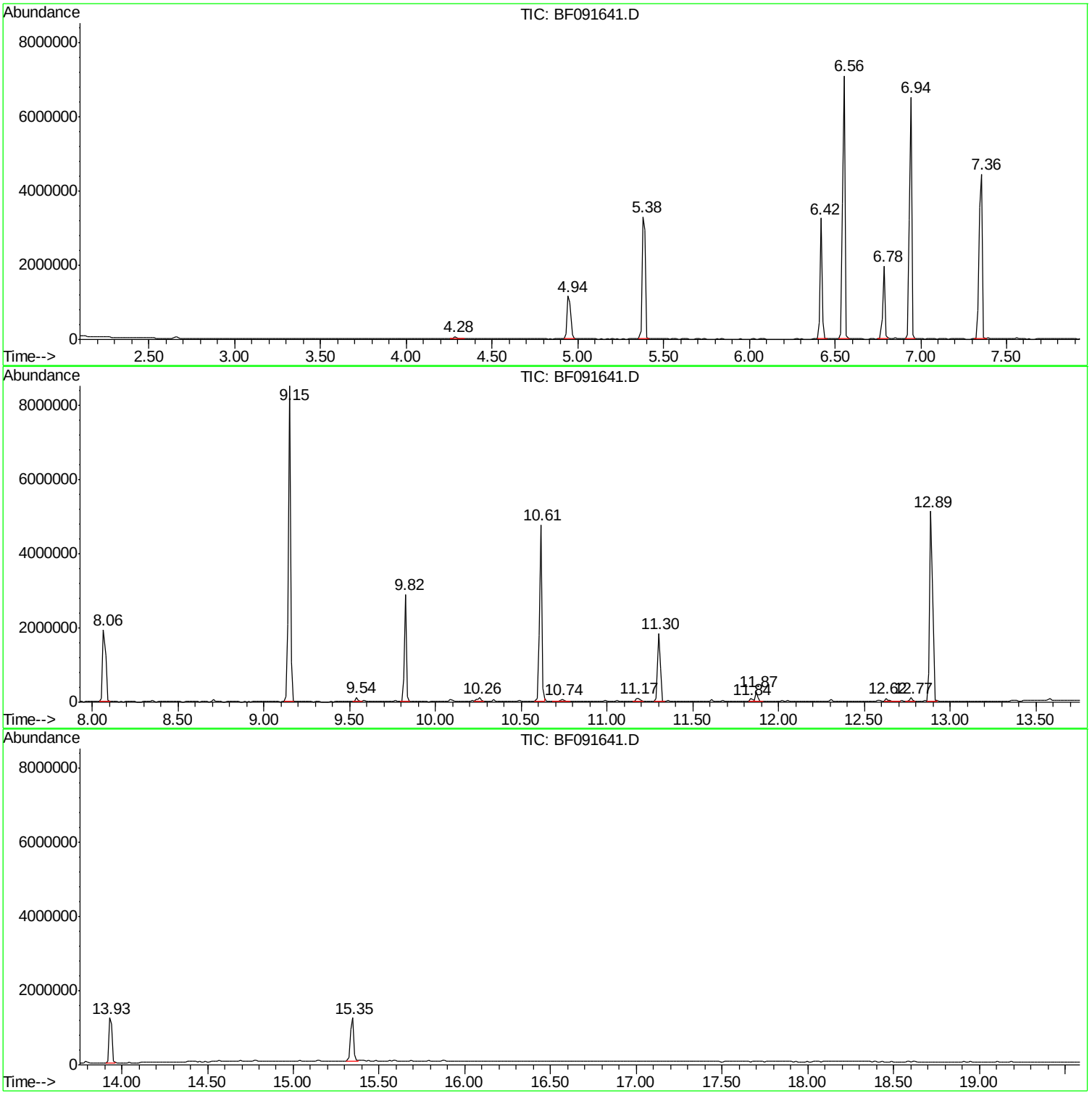
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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Misc :
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**Instrument :** BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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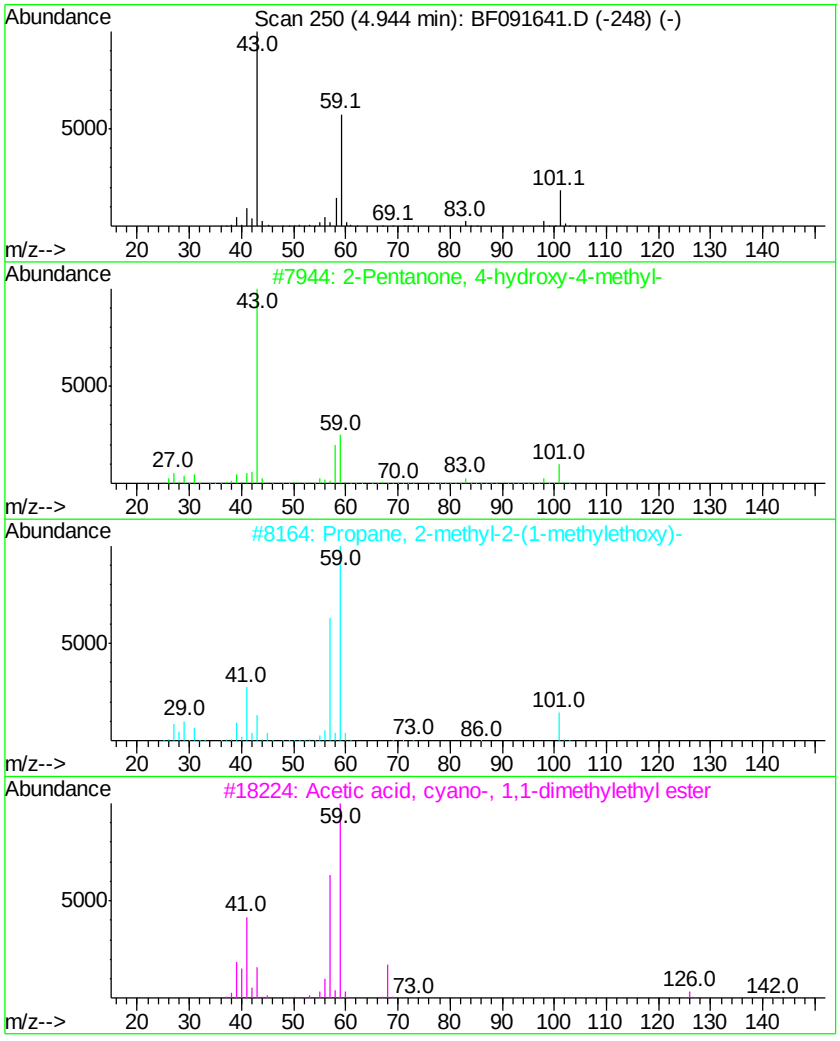
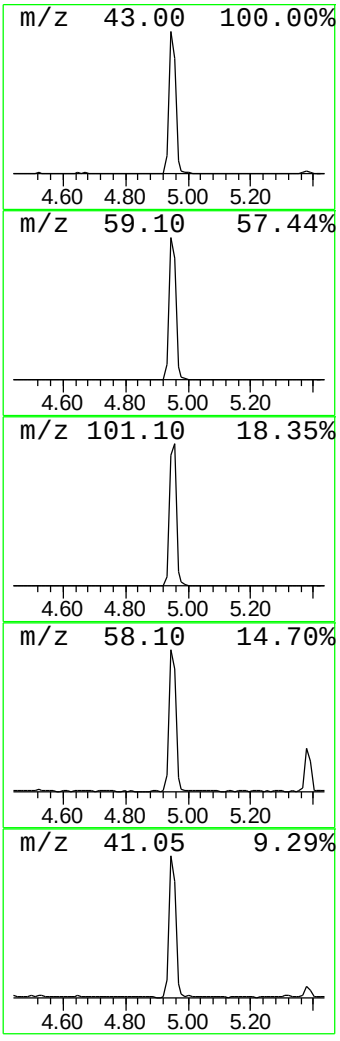
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.94 | 18.24 ng | 1641840 | 1,4-Dichlorobenzene-d4 | 6.78 |

| 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 | 36 |
| 3 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 32 |
| 4 | Morpholine, 4-methyl- | 101 | C5H11NO | 000109-02-4 | 9 |
| 5 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 9 |



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

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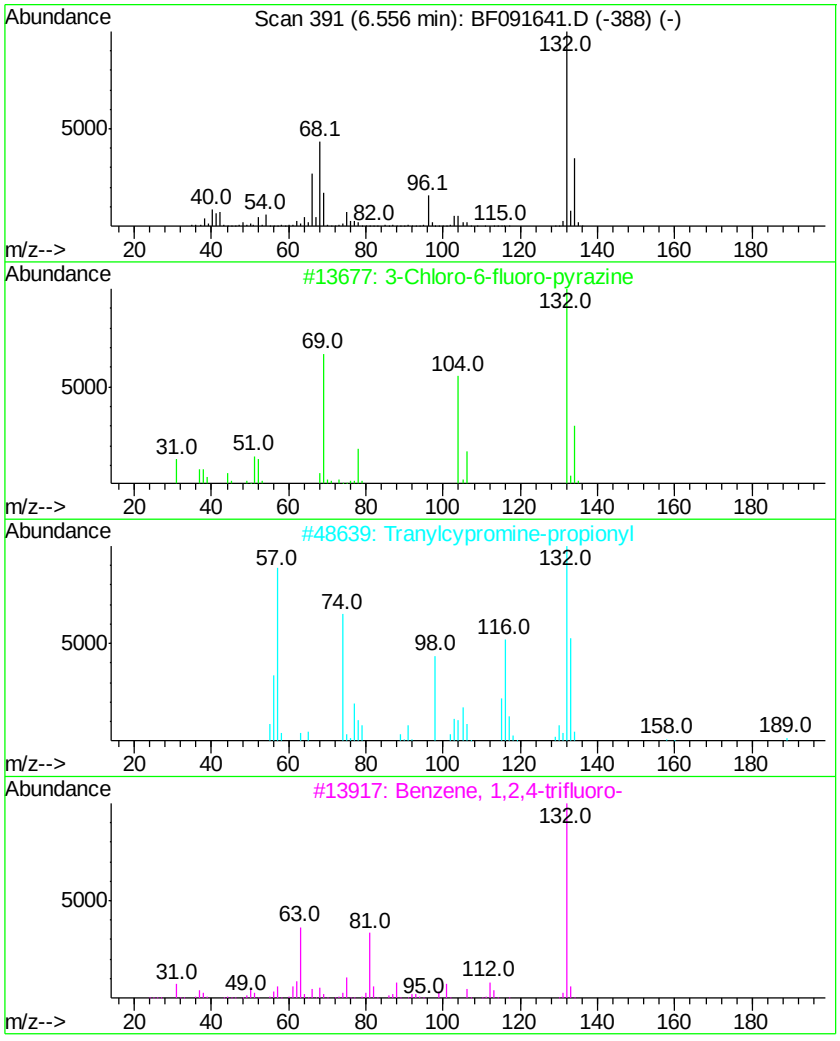
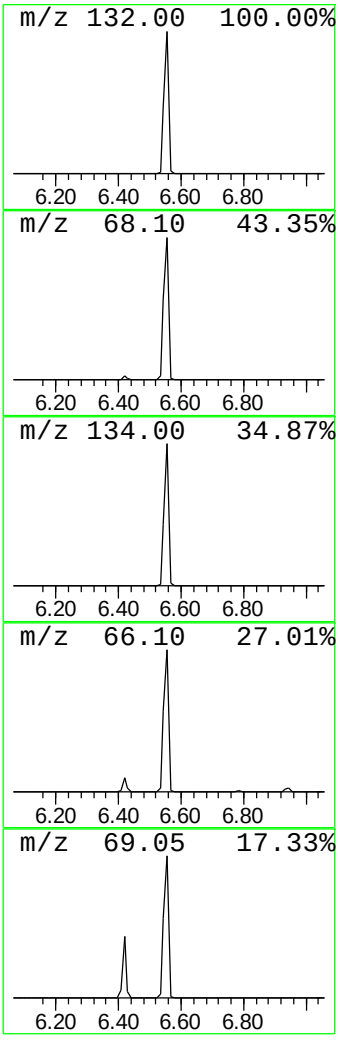
Peak Number 2 unknown6.56 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.56 | 83.82 ng | 7544390 | 1,4-Dichlorobenzene-d4 | 6.78 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 27 |
| 2 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 10 |
| 3 | Benzene, 1,2,4-trifluoro- | 132 | C6H3F3 | 000367-23-7 | 9 |
| 4 | Benzene, 1,3,5-trifluoro- | 132 | C6H3F3 | 000372-38-3 | 9 |
| 5 | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12 | 028749-81-7 | 9 |



Tentatively Identified Compound (LSC) summary

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ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.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... | 4.94 | 18.2 | ng | 1641840 | 1 | 6.78 | 1800080 | 20.0 |
| unknown6.56 | 6.56 | 83.8 | ng | 7544390 | 1 | 6.78 | 1800080 | 20.0 |