LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121415\
Data File : BF083796.D
Acq On : 15 Dec 2015 4:01
Operator : UM/IZ
Sample : G4779-11
Misc :
ALS Vial : 31 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** W-46

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-BF121315.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 | 5.070 | 259 | 261 | 264 | rBV | 152152 | 222733 | 6.05% | 0.926% |
| 2 | 5.504 | 296 | 299 | 301 | rBV | 960134 | 1265629 | 34.38% | 5.263% |
| 3 | 6.522 | 386 | 388 | 390 | rBV | 1023715 | 873783 | 23.74% | 3.634% |
| 4 | 6.670 | 398 | 401 | 403 | rBV | 1749834 | 2283672 | 62.03% | 9.497% |
| 5 | 6.899 | 419 | 421 | 423 | rBB | 786746 | 655521 | 17.81% | 2.726% |
| 6 | 7.059 | 432 | 435 | 437 | rBB | 2289848 | 2169805 | 58.94% | 9.024% |
| 7 | 7.459 | 467 | 470 | 472 | rBV | 1734770 | 1682034 | 45.69% | 6.995% |
| 8 | 8.179 | 531 | 533 | 536 | rBV | 835472 | 824902 | 22.41% | 3.431% |
| 9 | 9.265 | 625 | 628 | 630 | rBV | 3414729 | 3634122 | 98.72% | 15.113% |
| 10 | 9.653 | 659 | 662 | 663 | rBV | 46986 | 42624 | 1.16% | 0.177% |
| 11 | 9.939 | 684 | 687 | 689 | rBV | 1147158 | 1048965 | 28.49% | 4.362% |
| 12 | 10.373 | 724 | 725 | 727 | rVB | 57255 | 51095 | 1.39% | 0.212% |
| 13 | 10.728 | 753 | 756 | 758 | rBV | 1888500 | 2338083 | 63.51% | 9.723% |
| 14 | 10.854 | 764 | 767 | 773 | rBV | 44708 | 76745 | 2.08% | 0.319% |
| 15 | 11.299 | 804 | 806 | 807 | rVB | 40672 | 40359 | 1.10% | 0.168% |
| 16 | 11.414 | 814 | 816 | 819 | rVB | 1026715 | 992388 | 26.96% | 4.127% |
| 17 | 11.631 | 832 | 835 | 837 | rBV | 104348 | 90941 | 2.47% | 0.378% |
| 18 | 12.785 | 934 | 936 | 938 | rBV | 104059 | 128044 | 3.48% | 0.532% |
| 19 | 12.831 | 938 | 940 | 942 | rVB | 87000 | 71592 | 1.94% | 0.298% |
| 20 | 13.002 | 952 | 955 | 958 | rBV | 3154687 | 3681403 | 100.00% | 15.310% |
| 21 | 13.540 | 999 | 1002 | 1003 | rBV | 33491 | 41063 | 1.12% | 0.171% |
| 22 | 13.780 | 1021 | 1023 | 1028 | rBV2 | 50415 | 65102 | 1.77% | 0.271% |
| 23 | 13.894 | 1031 | 1033 | 1037 | rBV2 | 30255 | 55628 | 1.51% | 0.231% |
| 24 | 14.042 | 1044 | 1046 | 1049 | rBV2 | 857676 | 971135 | 26.38% | 4.039% |
| 25 | 15.483 | 1169 | 1172 | 1175 | rBV | 610565 | 738462 | 20.06% | 3.071% |

Sum of corrected areas: 24045830

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**ClientSampleId :**
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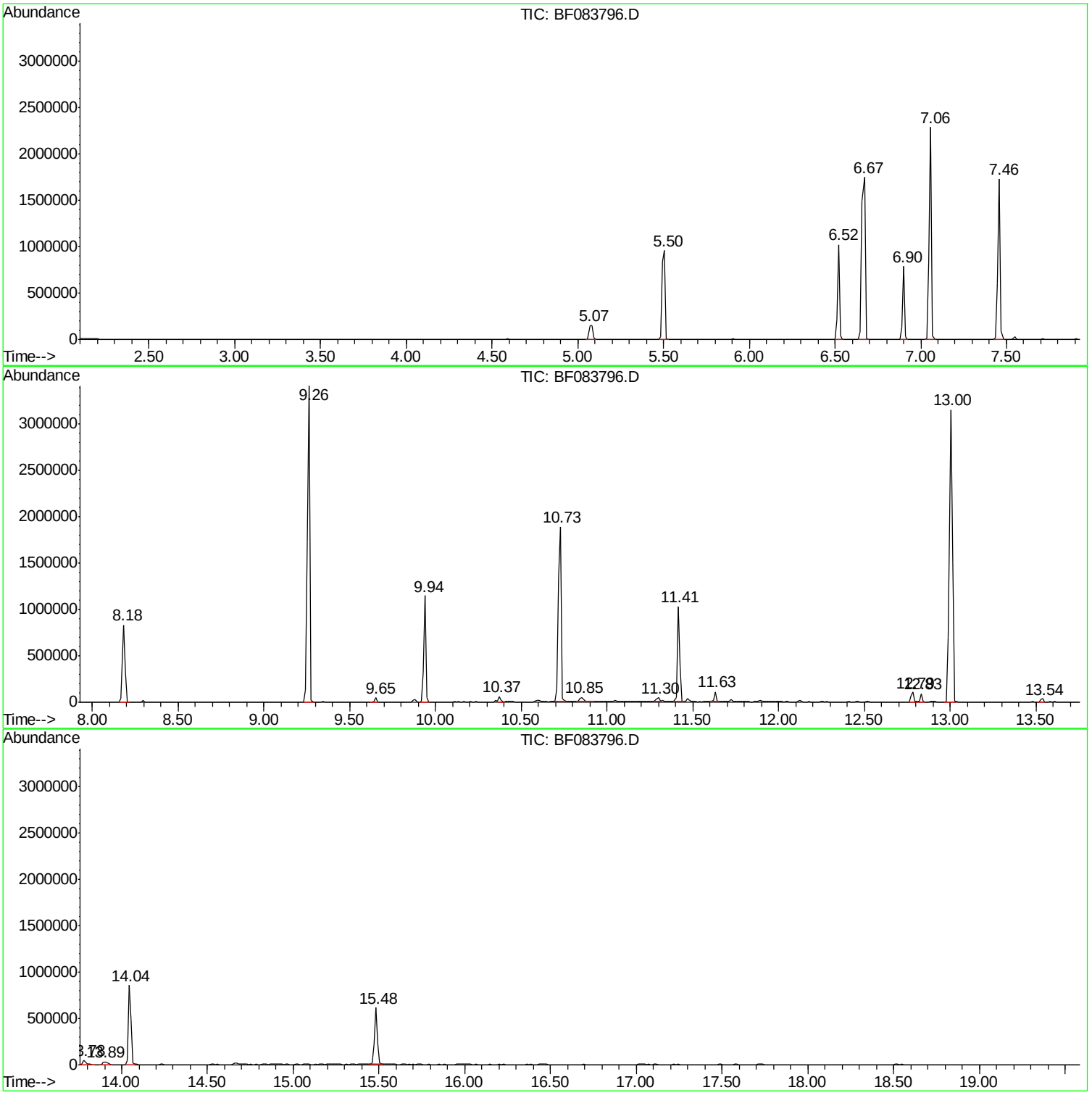
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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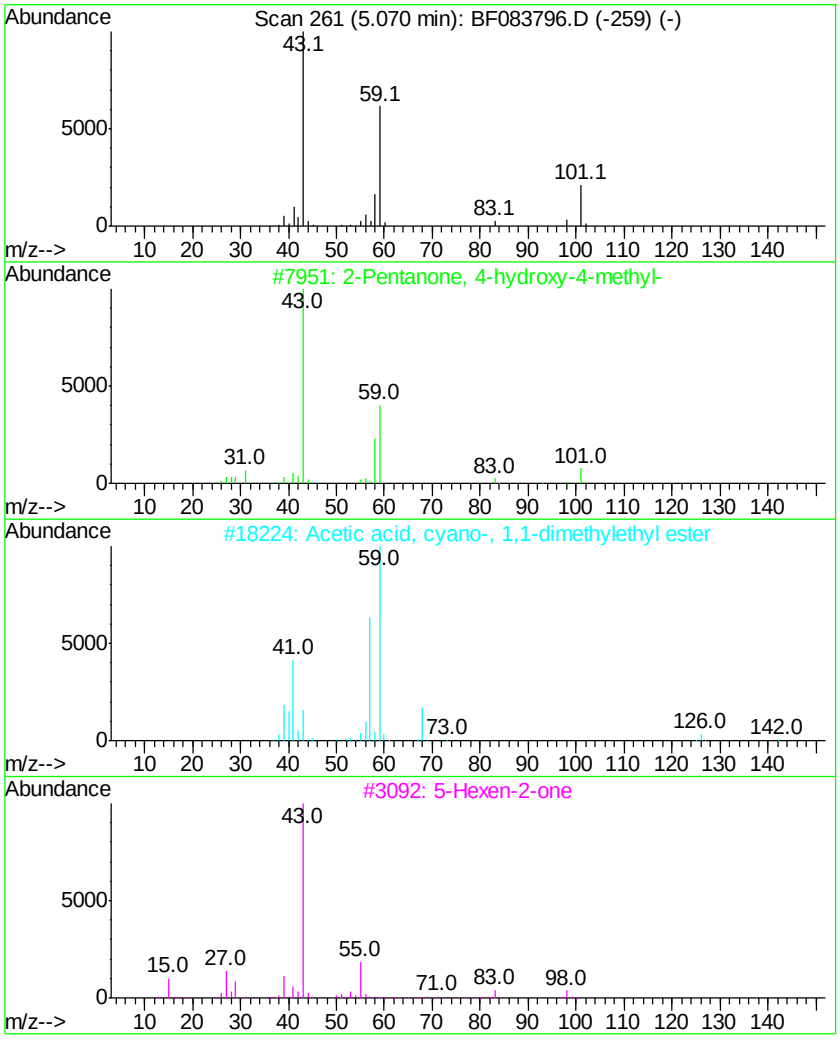
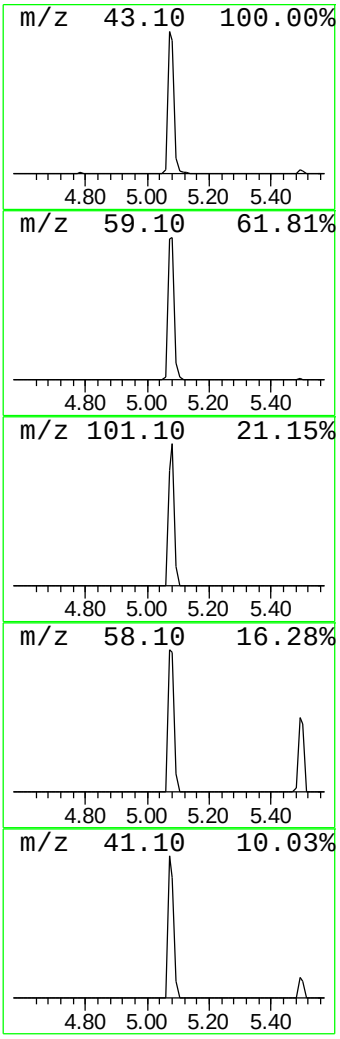
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.07 | 6.80 ng | 222733 | 1,4-Dichlorobenzene-d4 | 6.90 |

| 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, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 25 |
| 3 | 5-Hexen-2-one | 98 | C6H10O | 000109-49-9 | 9 |
| 4 | Morpholine, 4-methyl- | 101 | C5H11NO | 000109-02-4 | 9 |
| 5 | Butane, 1-ethoxy- | 102 | C6H14O | 000628-81-9 | 9 |



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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.M
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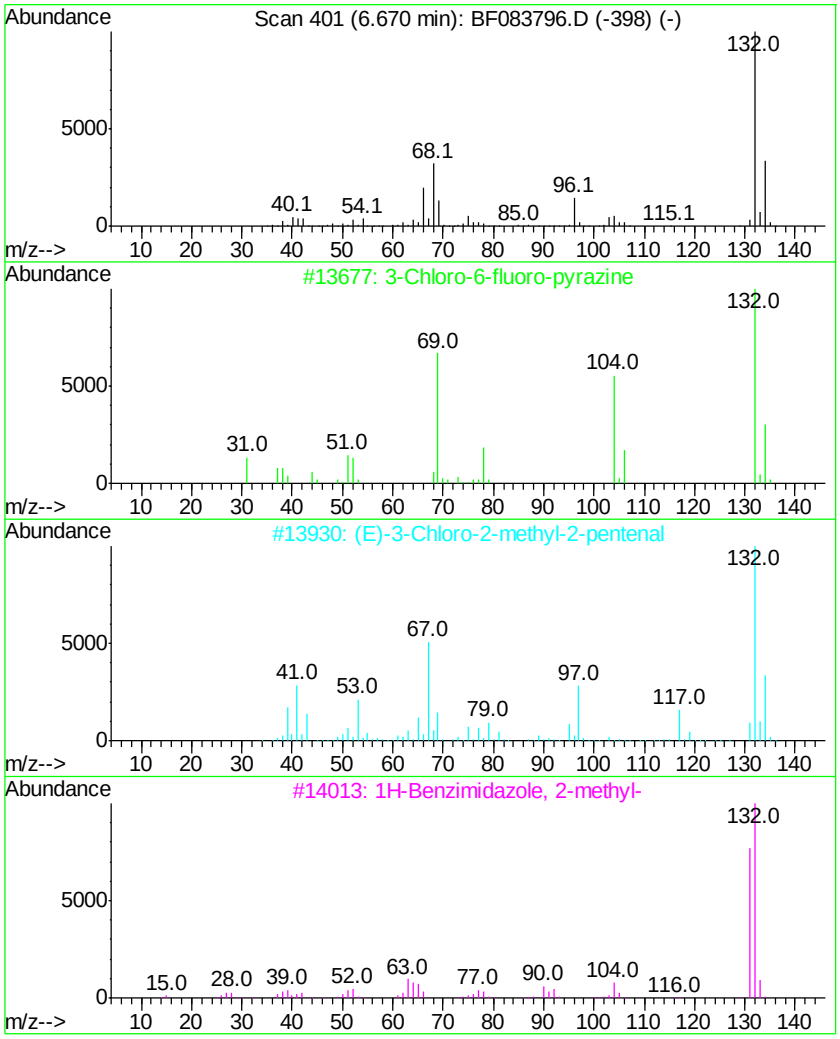
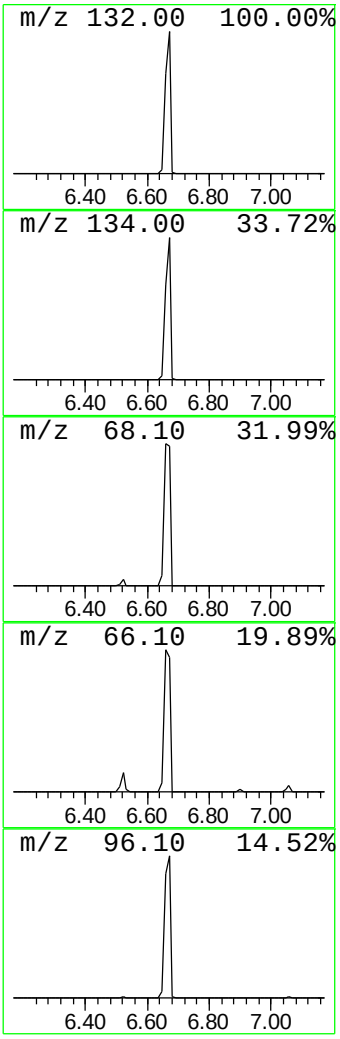
**********

Peak Number 2 unknown6.67 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.67 | 69.68 ng | 2283670 | 1,4-Dichlorobenzene-d4 | 6.90 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 38 |
| 2 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 25 |
| 3 | 1H-Benzimidazole, 2-methyl- | 132 | C8H8N2 | 000615-15-6 | 12 |
| 4 | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2 | 022291-85-6 | 9 |
| 5 | 4-Chloro-6-fluoro-pyrimidine | 132 | C4H2ClFN2 | 051422-01-6 | 9 |



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ALS Vial : 31 Sample Multiplier: 1

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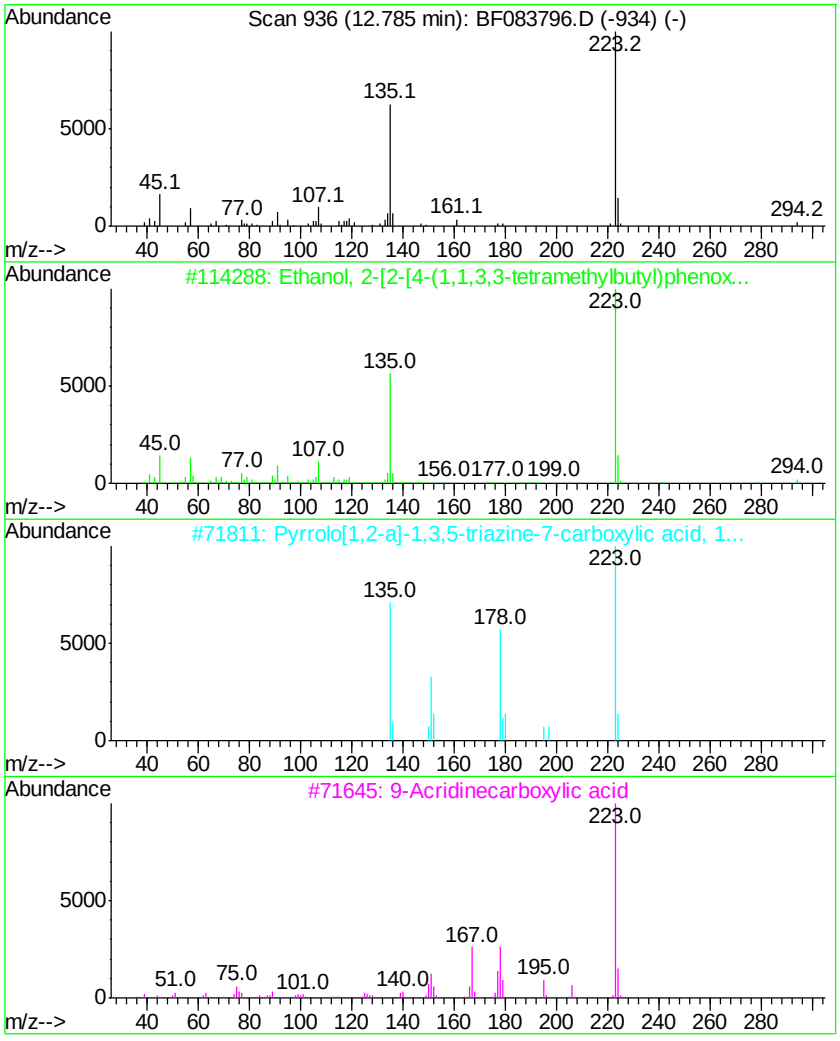
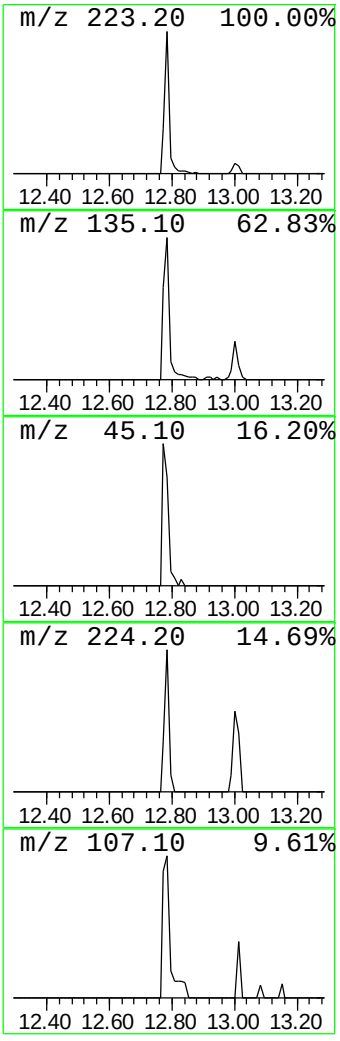
Peak Number 4 Ethanol, 2-[2-[4-(1,1,3,3-t... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.79 | 2.64 ng | 128044 | Chrysene-d12 | 14.04 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethanol, 2-[2-[4-(1,1,3,3-tetram... | 294 | C18H30O3 | 002315-61-9 | 93 |
| 2 | Pyrrolo[1,2-a]-1,3,5-triazine-7-... | 223 | C9H9N3O4 | 054449-89-7 | 90 |
| 3 | 9-Acridinecarboxylic acid | 223 | C14H9NO2 | 005336-90-3 | 32 |
| 4 | Methanol, (cyclohexyl)(2,3-dimet... | 218 | C15H22O | 349498-47-1 | 27 |
| 5 | Propargite | 350 | C19H26O4S | 002312-35-8 | 22 |



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... | 5.07 | 6.8 | ng | 222733 | 1 | 6.90 | 655521 | 20.0 |
| unknown6.67 | 6.67 | 69.7 | ng | 2283670 | 1 | 6.90 | 655521 | 20.0 |
| Ethanol, 2-[2-[4-... | 12.79 | 2.6 | ng | 128044 | 5 | 14.04 | 971135 | 20.0 |