LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121415\
Data File : BF083797.D
Acq On : 15 Dec 2015 4:29
Operator : UM/IZ
Sample : G4779-12
Misc :
ALS Vial : 32 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** W-51

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 | 157334 | 170807 | 4.69% | 0.760% |
| 2 | 5.493 | 296 | 298 | 301 | rBV | 914618 | 1004161 | 27.58% | 4.467% |
| 3 | 6.521 | 385 | 388 | 390 | rBV | 830731 | 733992 | 20.16% | 3.265% |
| 4 | 6.659 | 398 | 400 | 403 | rBV | 1440095 | 1933985 | 53.11% | 8.603% |
| 5 | 6.899 | 419 | 421 | 423 | rBB | 759156 | 633909 | 17.41% | 2.820% |
| 6 | 7.059 | 432 | 435 | 437 | rVB | 1991231 | 1930888 | 53.03% | 8.589% |
| 7 | 7.459 | 467 | 470 | 472 | rBV | 1670977 | 1577820 | 43.33% | 7.019% |
| 8 | 8.179 | 531 | 533 | 535 | rBV | 816494 | 807068 | 22.16% | 3.590% |
| 9 | 9.265 | 625 | 628 | 630 | rBV | 3245490 | 3433470 | 94.29% | 15.273% |
| 10 | 9.939 | 684 | 687 | 689 | rBV | 1082740 | 1018549 | 27.97% | 4.531% |
| 11 | 10.373 | 724 | 725 | 727 | rVB | 42247 | 38926 | 1.07% | 0.173% |
| 12 | 10.590 | 741 | 744 | 748 | rBV | 14568 | 37138 | 1.02% | 0.165% |
| 13 | 10.728 | 753 | 756 | 758 | rBV | 1885058 | 2285678 | 62.77% | 10.168% |
| 14 | 10.853 | 765 | 767 | 773 | rVB | 36083 | 70512 | 1.94% | 0.314% |
| 15 | 11.299 | 802 | 806 | 807 | rBV | 39725 | 47023 | 1.29% | 0.209% |
| 16 | 11.413 | 814 | 816 | 819 | rVB | 987879 | 999327 | 27.44% | 4.445% |
| 17 | 11.631 | 832 | 835 | 837 | rBV | 104513 | 93894 | 2.58% | 0.418% |
| 18 | 12.785 | 934 | 936 | 939 | rBV | 109293 | 130300 | 3.58% | 0.580% |
| 19 | 13.002 | 952 | 955 | 958 | rBV | 3131826 | 3641247 | 100.00% | 16.198% |
| 20 | 13.779 | 1021 | 1023 | 1028 | rBV2 | 54497 | 69490 | 1.91% | 0.309% |
| 21 | 13.905 | 1031 | 1034 | 1039 | rBV3 | 28335 | 58569 | 1.61% | 0.261% |
| 22 | 14.042 | 1044 | 1046 | 1049 | rBV | 874599 | 1009749 | 27.73% | 4.492% |
| 23 | 15.482 | 1169 | 1172 | 1175 | rBV | 640695 | 753692 | 20.70% | 3.353% |

Sum of corrected areas: 22480194

LSC Report - Integrated Chromatogram

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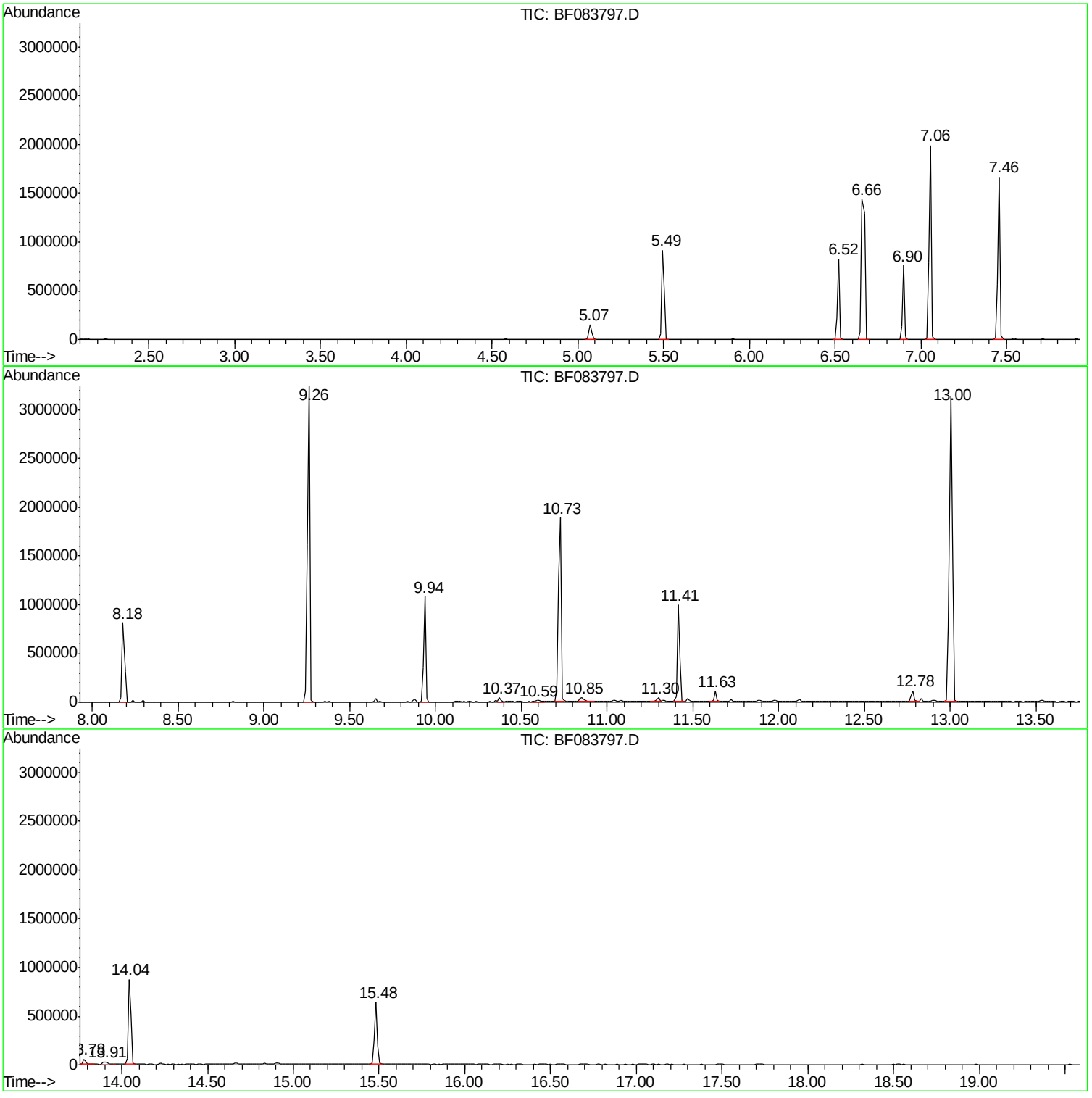
Misc :
ALS Vial : 32 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** W-51

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121415\
Data File : BF083797.D
Acq On : 15 Dec 2015 4:29
Operator : UM/IZ
Sample : G4779-12
Misc :
ALS Vial : 32 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** W-51

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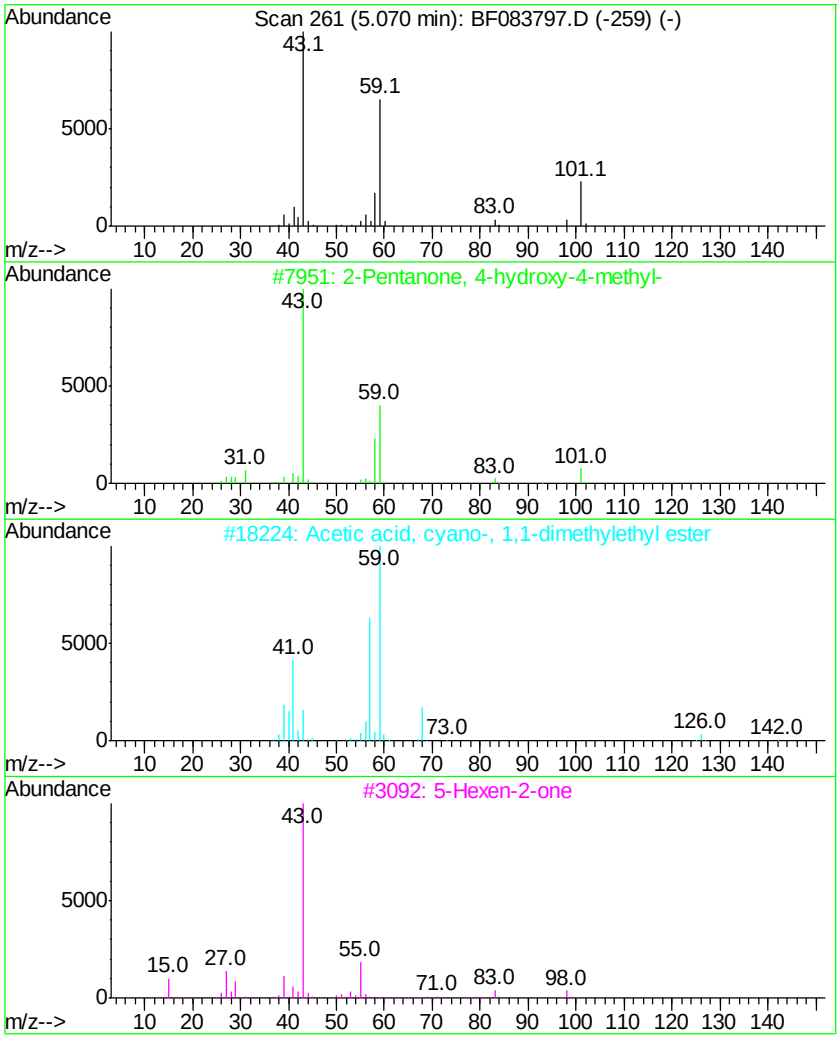
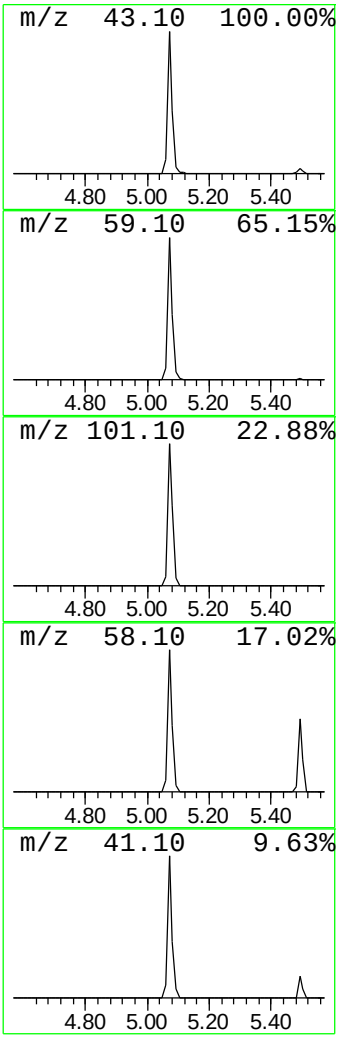
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.07 | 5.39 ng | 170807 | 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 |



# Library Search Compound Report

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Operator : UM/IZ
Sample : G4779-12
Misc :
ALS Vial : 32 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** W-51

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

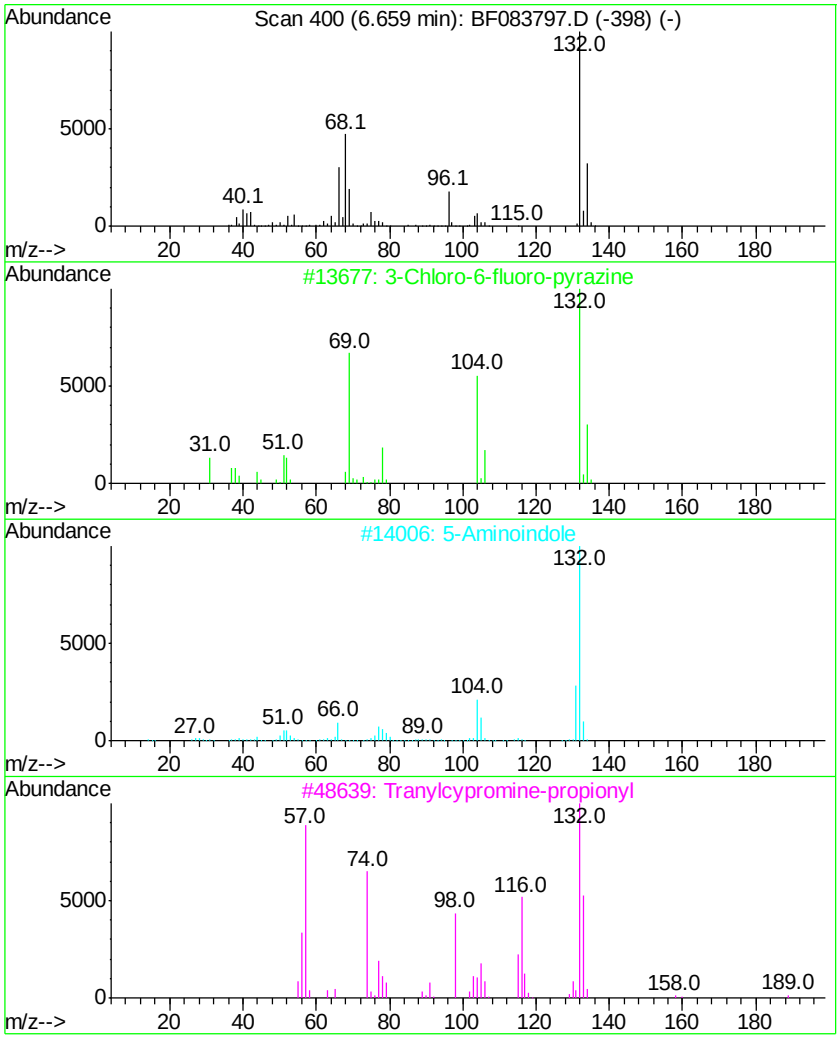
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

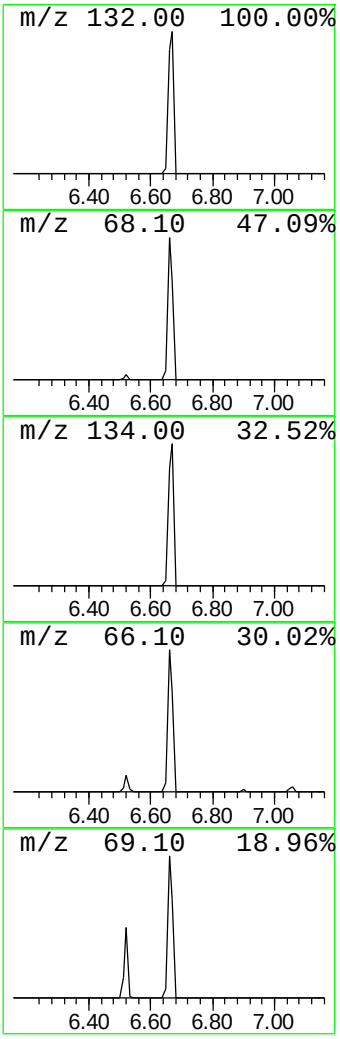
**********

Peak Number 2 unknown6.66 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.66 | 61.02 ng | 1933990 | 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 | 27 |
| 2 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 12 |
| 3 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 10 |
| 4 | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12 | 028749-81-7 | 9 |
| 5 | 4-Chloro-2-fluoro-pyrimidine | 132 | C4H2ClFN2 | 051422-00-5 | 9 |



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Data File : BF083797.D
Acq On : 15 Dec 2015 4:29
Operator : UM/IZ
Sample : G4779-12
Misc :
ALS Vial : 32 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** W-51

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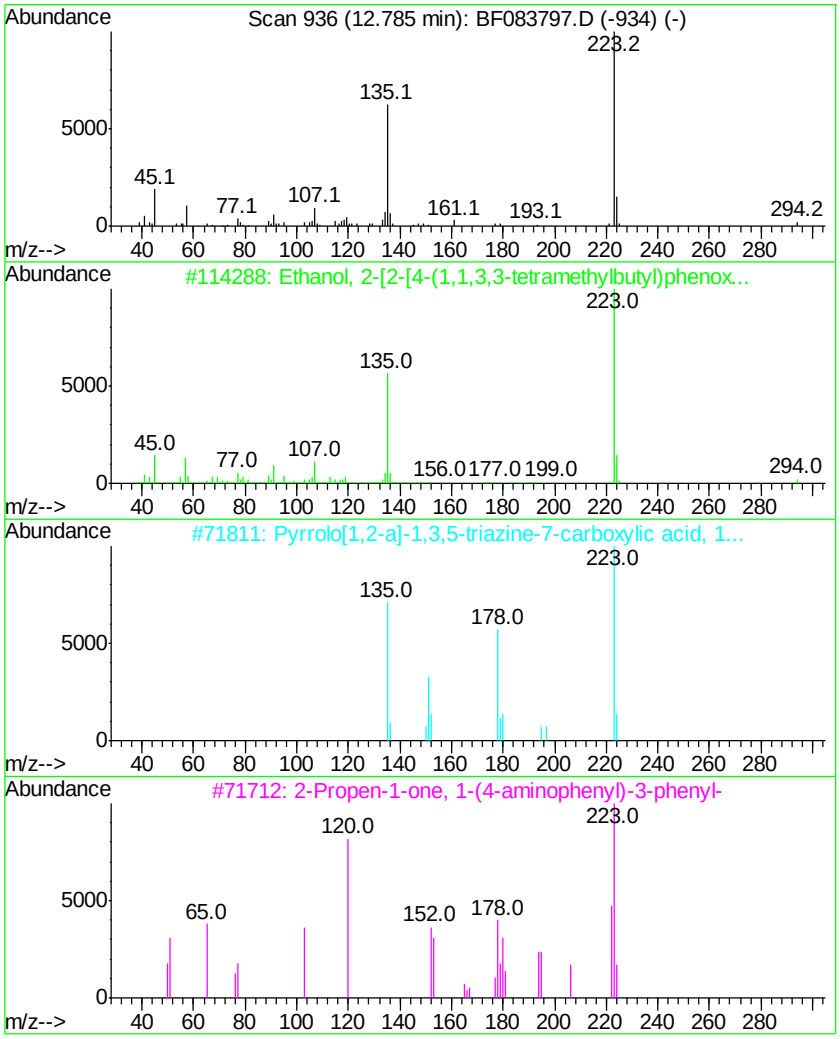
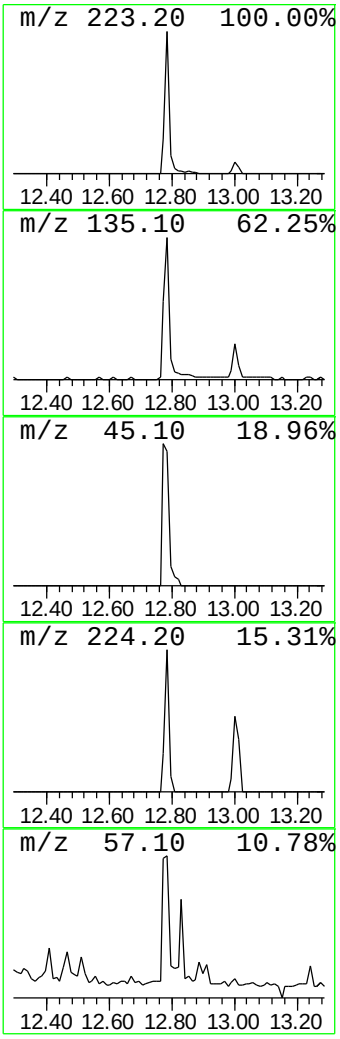
Peak Number 4 Ethanol, 2-[2-[4-(1,1,3,3-t... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.79 | 2.58 ng | 130300 | 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 | 94 |
| 2 | Pyrrolo[1,2-a]-1,3,5-triazine-7-... | 223 | C9H9N3O4 | 054449-89-7 | 90 |
| 3 | 2-Propen-1-one, 1-(4-aminophenyl... | 223 | C15H13NO | 002403-30-7 | 38 |
| 4 | Benzenamine, N,N-dimethyl-4-(2-p... | 223 | C16H17N | 001145-73-9 | 38 |
| 5 | Benzenamine, N,N-dimethyl-4-(2-p... | 223 | C16H17N | 000838-95-9 | 38 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121415\
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Sample : G4779-12
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ALS Vial : 32 Sample Multiplier: 1

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

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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... | 5.07 | 5.4 | ng | 170807 | 1 | 6.90 | 633909 | 20.0 |
| unknown6.66 | 6.66 | 61.0 | ng | 1933990 | 1 | 6.90 | 633909 | 20.0 |
| Ethanol, 2-[2-[4-... | 12.79 | 2.6 | ng | 130300 | 5 | 14.04 | 1009750 | 20.0 |