LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010416\
Data File : BF084269.D
Acq On : 5 Jan 2016 6:54
Operator : UM/SJ
Sample : G4987-02
Misc :
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** DRUM(116-142)COMPOSITE

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-BF123115.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 | 2.452 | 26 | 32 | 34 | rVB | 531988 | 953893 | 10.97% | 1.284% |
| 2 | 2.510 | 34 | 37 | 39 | rBV | 88161 | 113837 | 1.31% | 0.153% |
| 3 | 2.772 | 58 | 60 | 64 | rVB | 240093 | 335383 | 3.86% | 0.451% |
| 4 | 5.104 | 261 | 264 | 272 | rVB | 1879048 | 2822375 | 32.46% | 3.799% |
| 5 | 5.527 | 297 | 301 | 303 | rVB | 6078541 | 8355031 | 96.08% | 11.245% |
| 6 | 6.544 | 387 | 390 | 392 | rBV | 7052456 | 7999671 | 92.00% | 10.767% |
| 7 | 6.670 | 398 | 401 | 403 | rBV | 8016684 | 8620673 | 99.14% | 11.603% |
| 8 | 6.887 | 418 | 420 | 423 | rBV | 1862853 | 1639913 | 18.86% | 2.207% |
| 9 | 7.047 | 432 | 434 | 436 | rBV | 6925495 | 6133046 | 70.53% | 8.254% |
| 10 | 7.459 | 467 | 470 | 472 | rBV | 5583274 | 5851129 | 67.29% | 7.875% |
| 11 | 8.179 | 530 | 533 | 537 | rBV2 | 2138615 | 2892387 | 33.26% | 3.893% |
| 12 | 8.247 | 537 | 539 | 541 | rBV | 132161 | 113913 | 1.31% | 0.153% |
| 13 | 8.887 | 593 | 595 | 597 | rVB | 170895 | 145219 | 1.67% | 0.195% |
| 14 | 9.253 | 624 | 627 | 630 | rBV | 8447993 | 8695694 | 100.00% | 11.703% |
| 15 | 9.927 | 684 | 686 | 688 | rBV | 2263999 | 2305972 | 26.52% | 3.104% |
| 16 | 9.962 | 688 | 689 | 691 | rVB | 293602 | 214857 | 2.47% | 0.289% |
| 17 | 10.476 | 732 | 734 | 736 | rVB | 153105 | 135101 | 1.55% | 0.182% |
| 18 | 10.716 | 752 | 755 | 758 | rBV2 | 3962910 | 5262575 | 60.52% | 7.083% |
| 19 | 11.413 | 814 | 816 | 820 | rBV | 2378604 | 2200749 | 25.31% | 2.962% |
| 20 | 12.831 | 937 | 940 | 941 | rBV | 103803 | 134585 | 1.55% | 0.181% |
| 21 | 13.002 | 952 | 955 | 958 | rBV | 6469813 | 6399341 | 73.59% | 8.613% |
| 22 | 14.054 | 1044 | 1047 | 1049 | rBV | 1360787 | 1507804 | 17.34% | 2.029% |
| 23 | 15.494 | 1170 | 1173 | 1179 | rBV | 983357 | 1466925 | 16.87% | 1.974% |

Sum of corrected areas: 74300073

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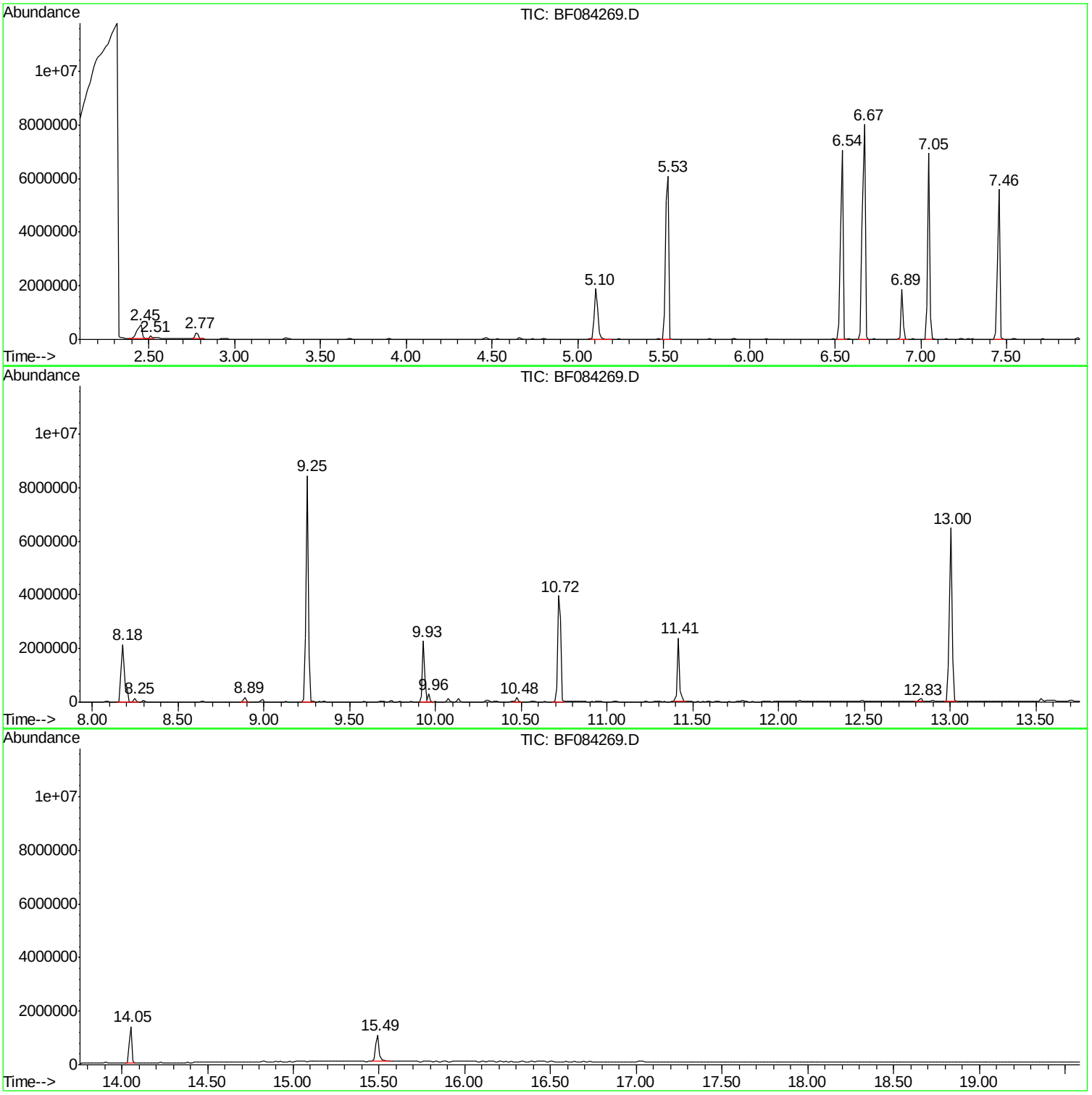
**Instrument :**
BNA_F
**ClientSampleId :**
DRUM(116-142)COMPOSITE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.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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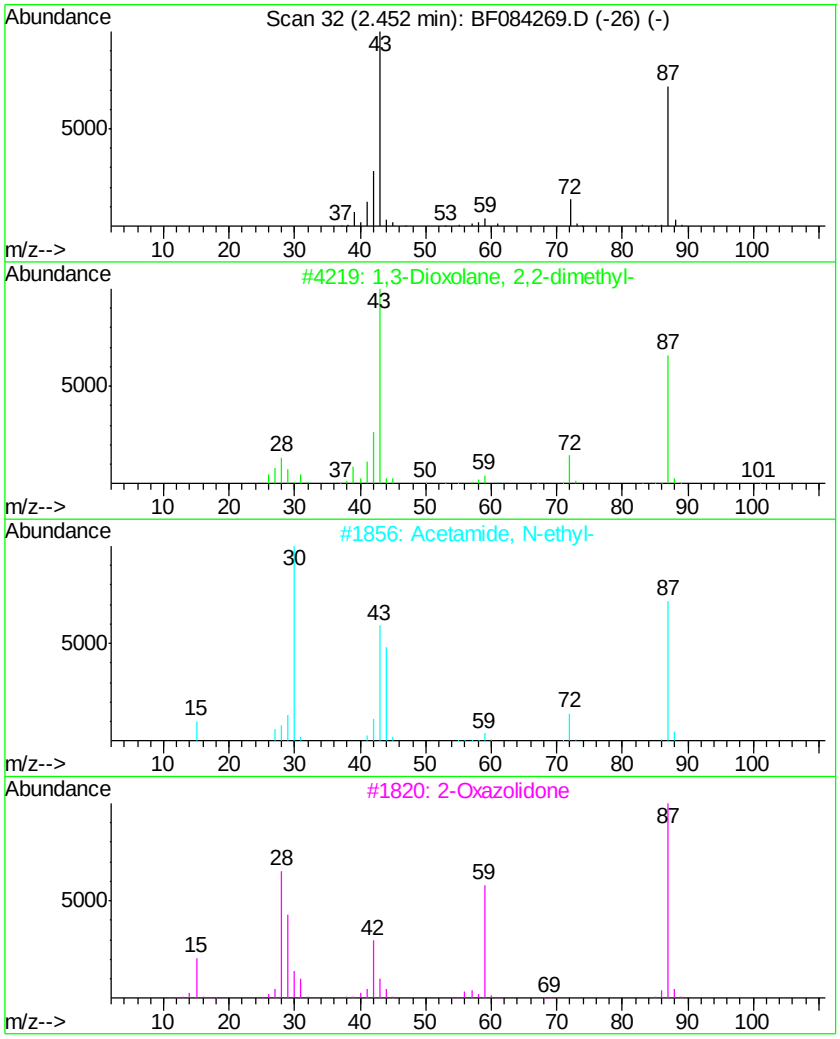
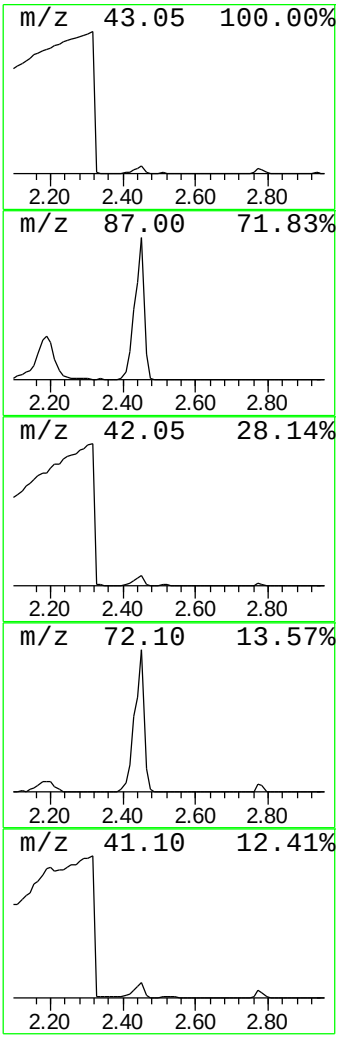
Peak Number 1 1,3-Dioxolane, 2,2-dimethyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.45 | 11.63 ng | 953893 | 1,4-Dichlorobenzene-d4 | 6.89 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,3-Dioxolane, 2,2-dimethyl- | 102 | C5H10O2 | 002916-31-6 | 83 |
| 2 | Acetamide, N-ethyl- | 87 | C4H9NO | 000625-50-3 | 50 |
| 3 | 2-Oxazolidone | 87 | C3H5NO2 | 000497-25-6 | 38 |
| 4 | Ethanol, 2,2'-oxybis-, diacetate | 190 | C8H14O5 | 000628-68-2 | 33 |
| 5 | Isobutane | 58 | C4H10 | 000075-28-5 | 9 |



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**Instrument :** BNA_F
**ClientSampleId :** DRUM(116-142)COMPOSITE

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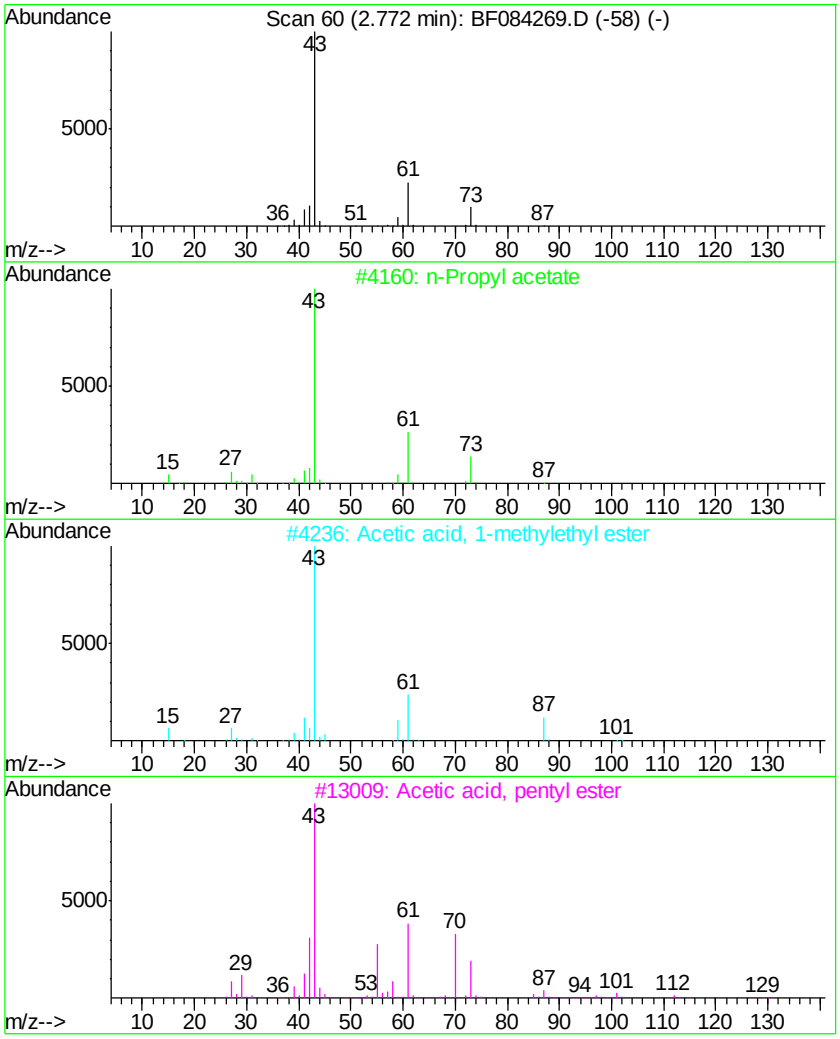
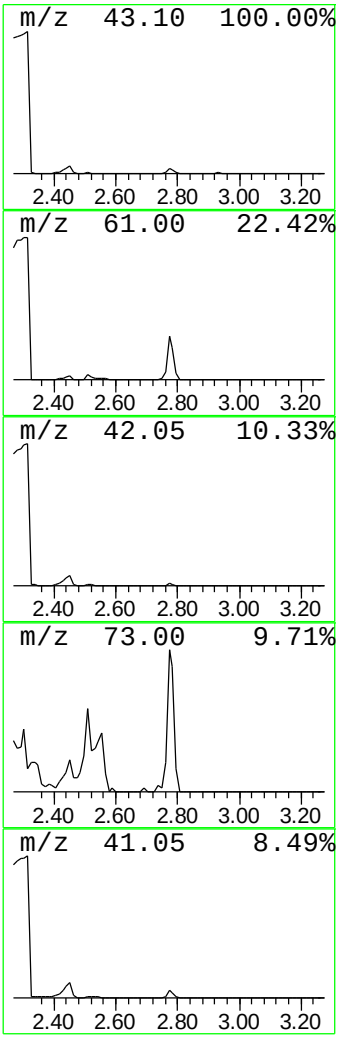
Peak Number 2 n-Propyl acetate Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.77 | 4.09 ng | 335383 | 1,4-Dichlorobenzene-d4 | 6.89 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Propyl acetate | 102 | C5H10O2 | 000109-60-4 | 83 |
| 2 | Acetic acid, 1-methylethyl ester | 102 | C5H10O2 | 000108-21-4 | 38 |
| 3 | Acetic acid, pentyl ester | 130 | C7H14O2 | 000628-63-7 | 9 |
| 4 | Isobutylamine | 73 | C4H11N | 000078-81-9 | 7 |
| 5 | 1-Butanamine | 73 | C4H11N | 000109-73-9 | 7 |



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**Instrument :** BNA_F
**ClientSampleId :** DRUM(116-142)COMPOSITE

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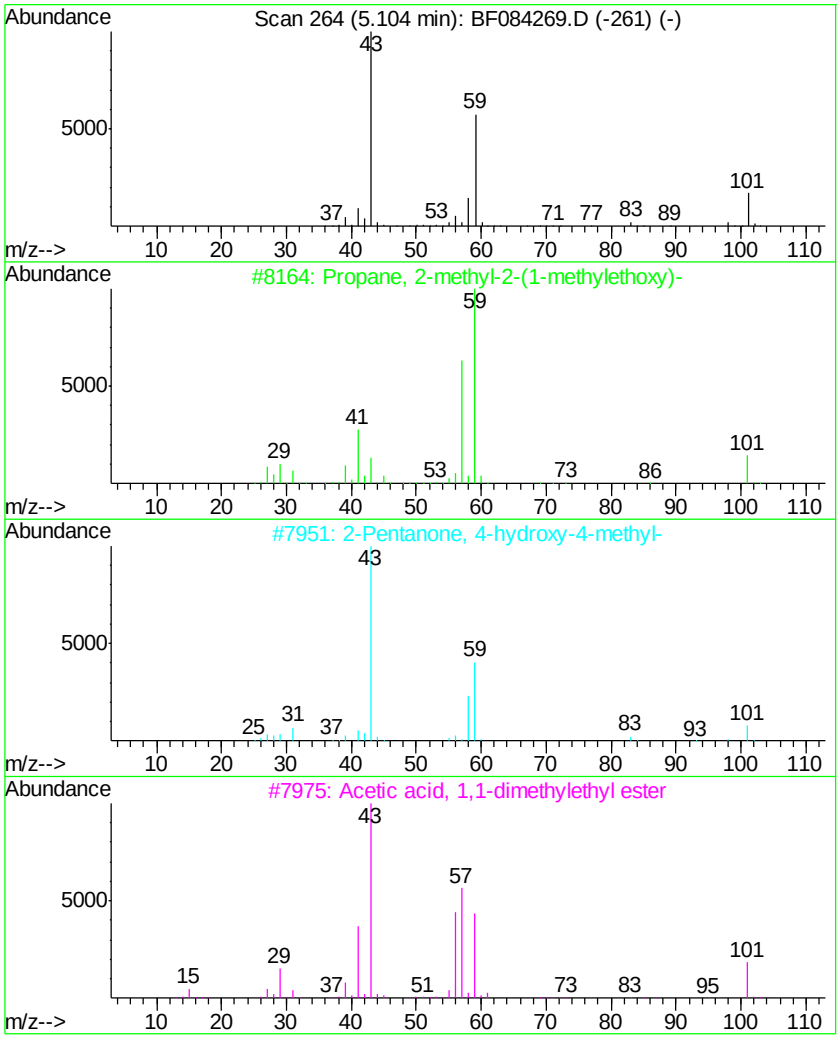
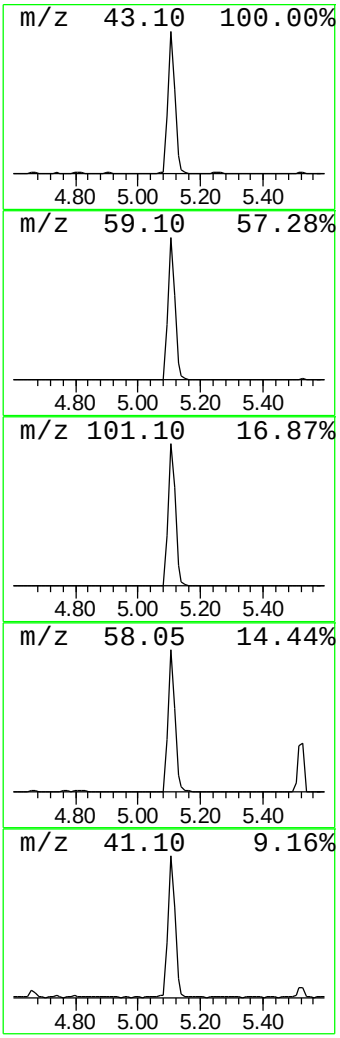
Peak Number 3 Propane, 2-methyl-2-(1-meth... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.10 | 34.42 ng | 2822380 | 1,4-Dichlorobenzene-d4 | 6.89 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propane, 2-methyl-2-(1-methyleth... | 116 | C7H16O | 017348-59-3 | 53 |
| 2 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 50 |
| 3 | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 39 |
| 4 | 2-Hexanol, 2-methyl- | 116 | C7H16O | 000625-23-0 | 33 |
| 5 | 3-Hexanol, 4-methyl- | 116 | C7H16O | 000615-29-2 | 33 |



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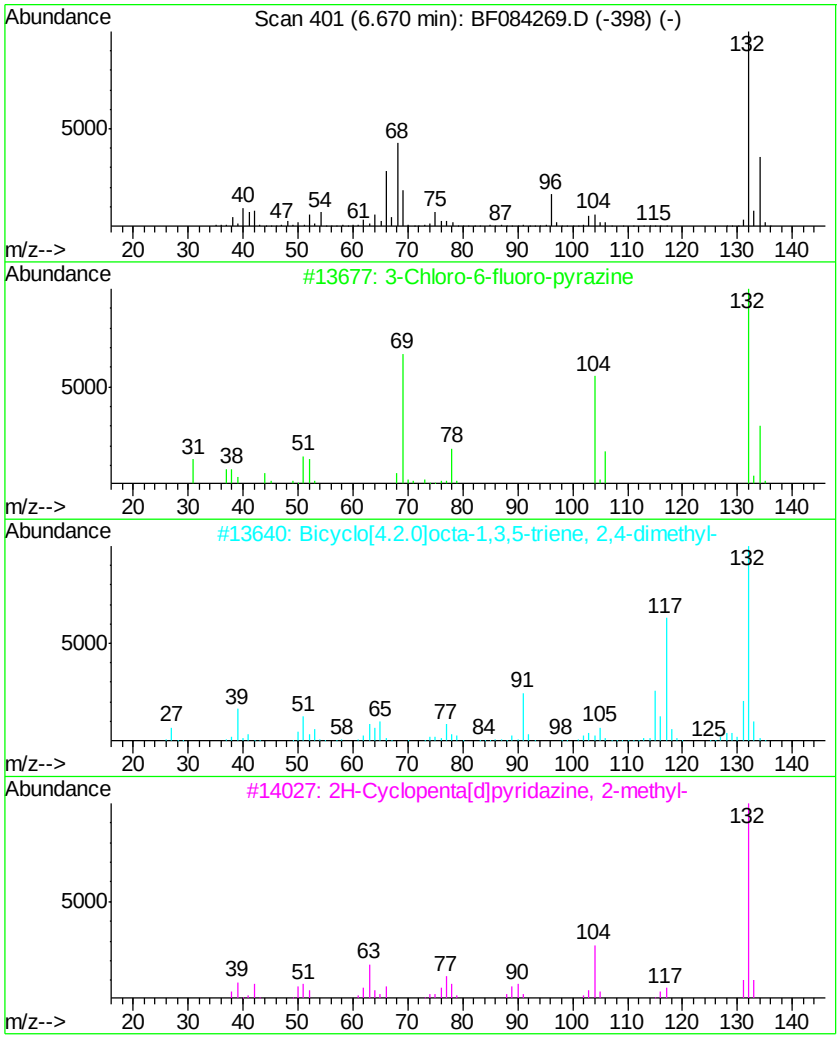
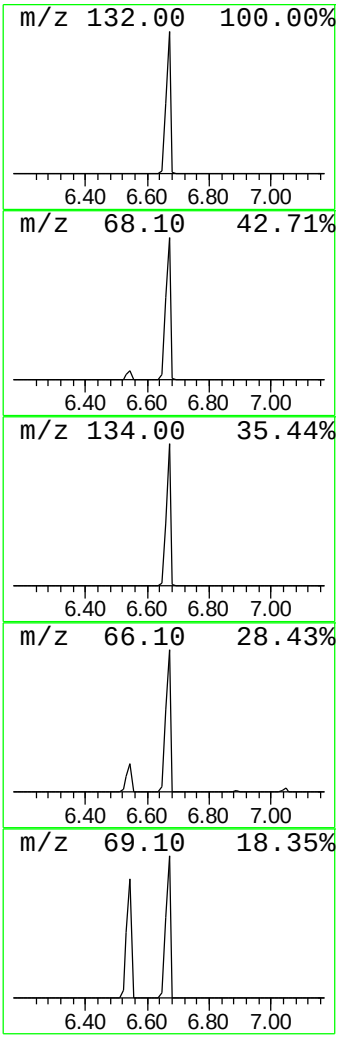
Peak Number 4 unknown6.67 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.67 | 105.14 ng | 8620670 | 1,4-Dichlorobenzene-d4 | 6.89 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 27 |
| 2 | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12 | 028749-81-7 | 9 |
| 3 | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2 | 022291-85-6 | 9 |
| 4 | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0 | 9 |
| 5 | Xenon | 132 | Xe | 007440-63-3 | 9 |



Tentatively Identified Compound (LSC) summary

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| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| 1,3-Dioxolane, 2,... | 2.45 | 11.6 | ng | 953893 | 1 | 6.89 | 1639910 | 20.0 |
| n-Propyl acetate | 2.77 | 4.1 | ng | 335383 | 1 | 6.89 | 1639910 | 20.0 |
| Propane, 2-methyl... | 5.10 | 34.4 | ng | 2822380 | 1 | 6.89 | 1639910 | 20.0 |
| unknown6.67 | 6.67 | 105.1 | ng | 8620670 | 1 | 6.89 | 1639910 | 20.0 |