LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG090716\
Data File : BG023962.D
Acq On : 7 Sep 2016 20:58
Operator : UM/SJ
Sample : H4720-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DI-END-NORTH

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_G\METHODS\8270-BG083116.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 | 2.940 | 12 | 17 | 32 | rVB | 3105990 | 4533497 | 100.00% | 18.143% |
| 2 | 5.131 | 385 | 390 | 400 | rVB | 179369 | 284122 | 6.27% | 1.137% |
| 3 | 5.613 | 466 | 472 | 485 | rBV | 862361 | 1432964 | 31.61% | 5.735% |
| 4 | 7.234 | 741 | 748 | 759 | rBV | 879747 | 1601209 | 35.32% | 6.408% |
| 5 | 7.592 | 802 | 809 | 823 | rBV | 888737 | 1550396 | 34.20% | 6.205% |
| 6 | 8.062 | 883 | 889 | 898 | rVB | 199472 | 360475 | 7.95% | 1.443% |
| 7 | 8.385 | 937 | 944 | 957 | rVB | 669570 | 1152099 | 25.41% | 4.611% |
| 8 | 9.243 | 1079 | 1090 | 1103 | rBV | 570807 | 1058176 | 23.34% | 4.235% |
| 9 | 10.894 | 1364 | 1371 | 1380 | rBV | 266483 | 501031 | 11.05% | 2.005% |
| 10 | 13.349 | 1782 | 1789 | 1796 | rBV | 1456655 | 2261268 | 49.88% | 9.050% |
| 11 | 14.183 | 1924 | 1931 | 1938 | rBV | 288448 | 454627 | 10.03% | 1.819% |
| 12 | 14.736 | 2018 | 2025 | 2033 | rBV2 | 433263 | 718545 | 15.85% | 2.876% |
| 13 | 15.552 | 2161 | 2164 | 2169 | rVB2 | 35036 | 45502 | 1.00% | 0.182% |
| 14 | 16.239 | 2274 | 2281 | 2298 | rBV | 1310439 | 2132887 | 47.05% | 8.536% |
| 15 | 16.422 | 2308 | 2312 | 2321 | rVB | 41310 | 67463 | 1.49% | 0.270% |
| 16 | 17.502 | 2488 | 2496 | 2509 | rBV2 | 546650 | 940683 | 20.75% | 3.765% |
| 17 | 18.372 | 2640 | 2644 | 2652 | rBV5 | 45747 | 82717 | 1.82% | 0.331% |
| 18 | 20.111 | 2934 | 2940 | 2948 | rBV | 2784352 | 3692617 | 81.45% | 14.778% |
| 19 | 21.415 | 3159 | 3162 | 3167 | rBV7 | 34956 | 71153 | 1.57% | 0.285% |
| 20 | 21.808 | 3223 | 3229 | 3240 | rVB | 614711 | 1101710 | 24.30% | 4.409% |
| 21 | 25.169 | 3792 | 3801 | 3811 | rVB | 318569 | 944610 | 20.84% | 3.780% |

Sum of corrected areas: 24987751

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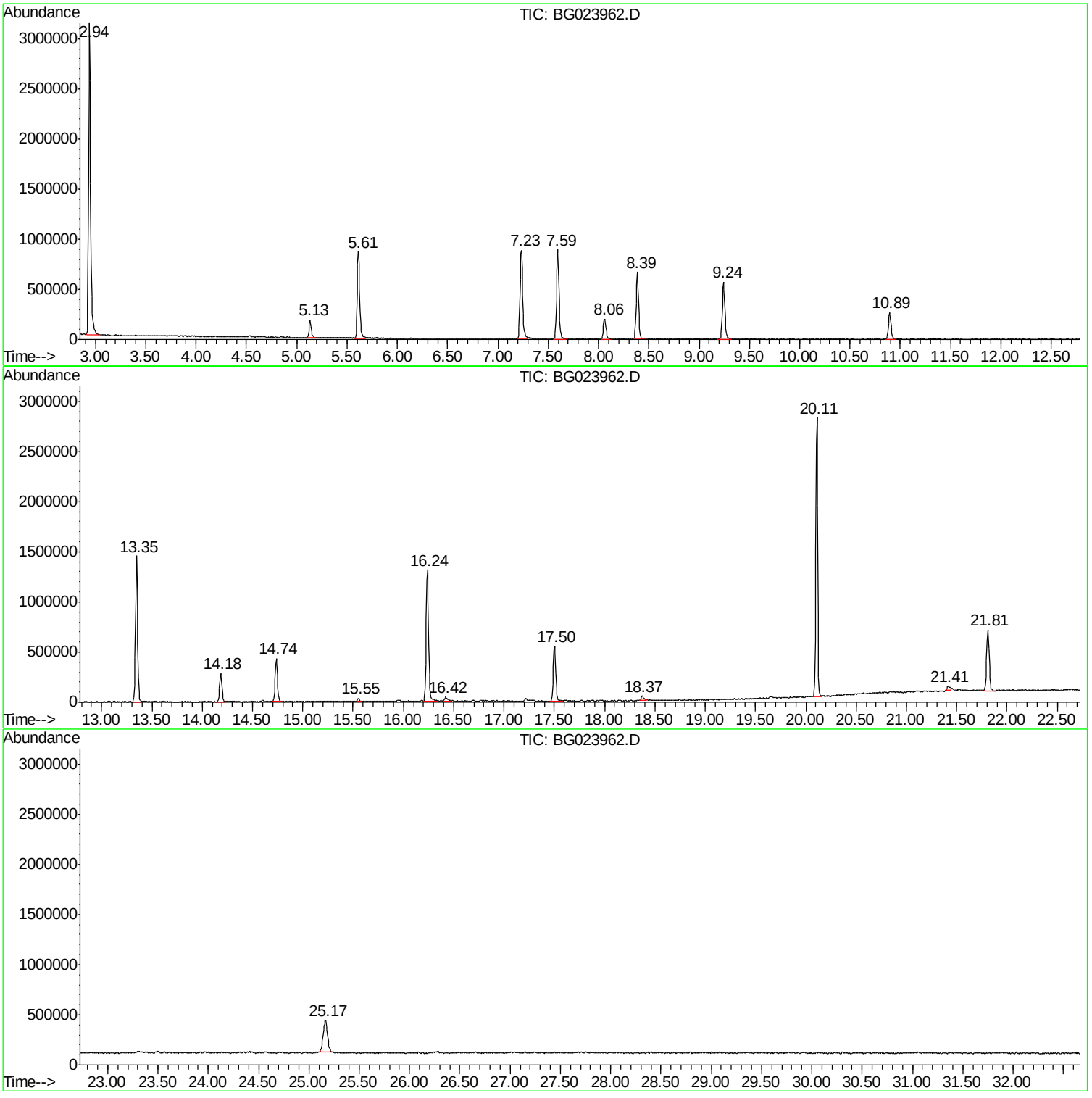
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG083116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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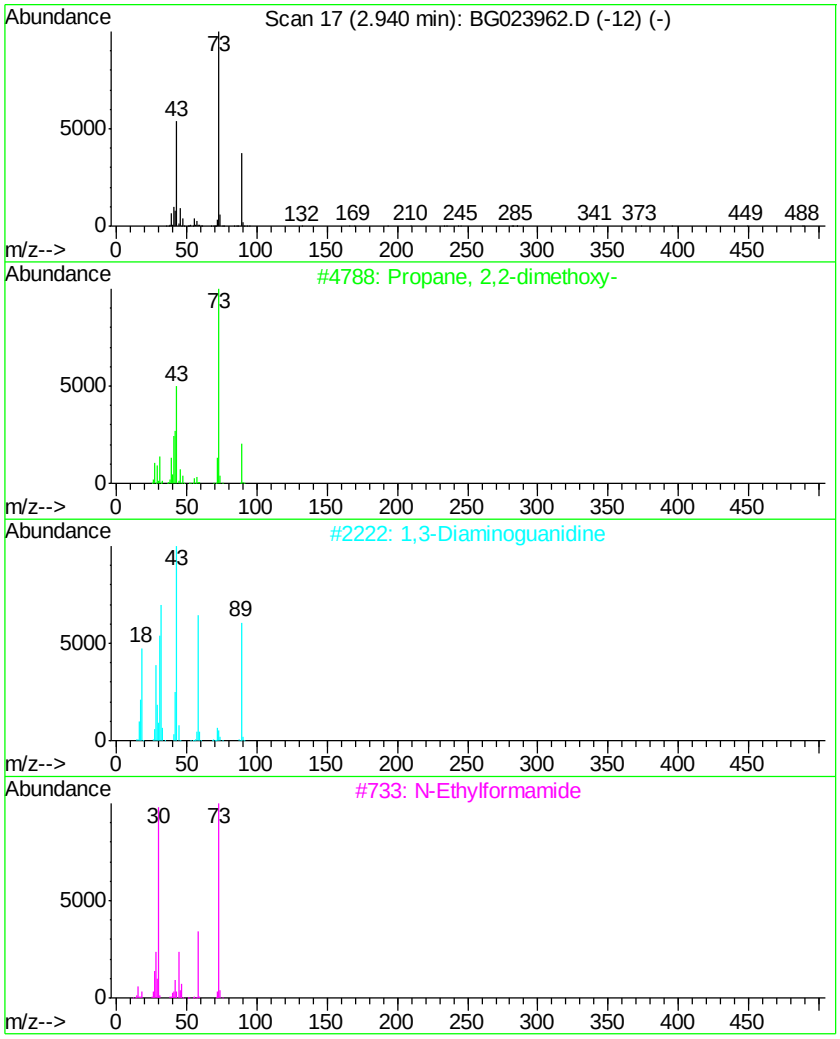
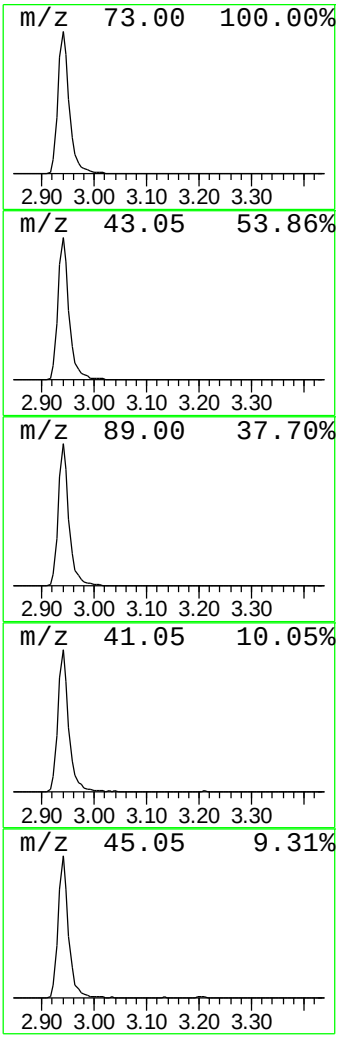
Peak Number 1 unknown2.94 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.94 | 251.53 ng | 4533500 | 1,4-Dichlorobenzene-d4 | 8.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propane, 2,2-dimethoxy- | 104 | C5H12O2 | 000077-76-9 | 40 |
| 2 | 1,3-Diaminoguanidine | 89 | CH7N5 | 004364-78-7 | 9 |
| 3 | N-Ethylformamide | 73 | C3H7NO | 000627-45-2 | 9 |
| 4 | 1-Propanol, 2-methyl- | 74 | C4H10O | 000078-83-1 | 9 |
| 5 | 1,3-Dioxolane, 2-(3-bromo-5,5,5-... | 352 | C10H16BrCl3O2 | 1000115-31-4 | 9 |



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**Instrument :** BNA_G
**ClientSampleId :** DI-END-NORTH

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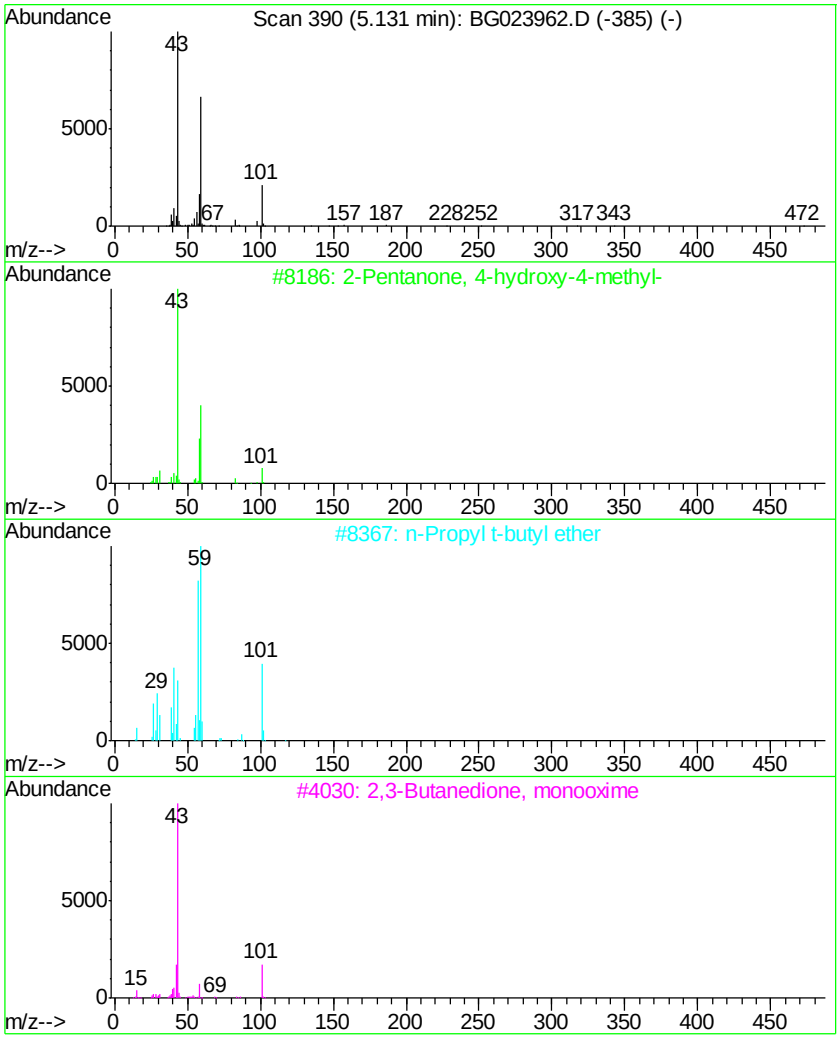
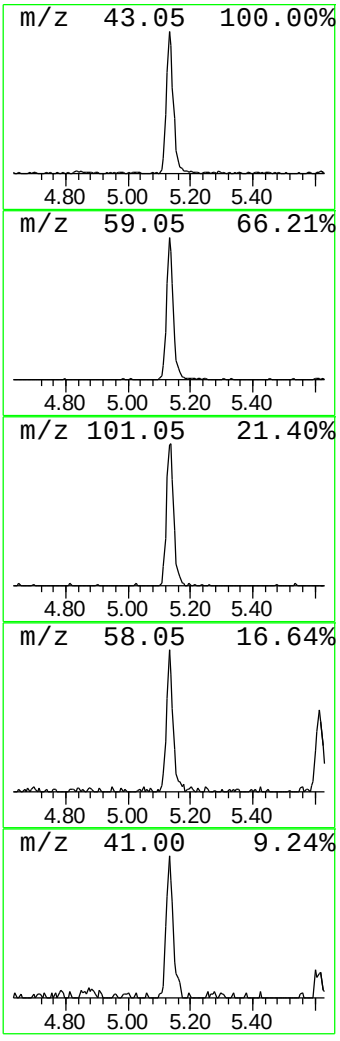
Peak Number 2 unknown5.13 Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.13 | 15.76 ng | 284122 | 1,4-Dichlorobenzene-d4 | 8.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 45 |
| 2 | n-Propyl t-butyl ether | 116 | C7H16O | 1000334-81-9 | 28 |
| 3 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 9 |
| 4 | Acetone | 58 | C3H6O | 000067-64-1 | 9 |
| 5 | (+-)-4-Amino-4,5-dihydro-2(3H)-f... | 101 | C4H7NO2 | 016504-58-8 | 9 |



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ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_G
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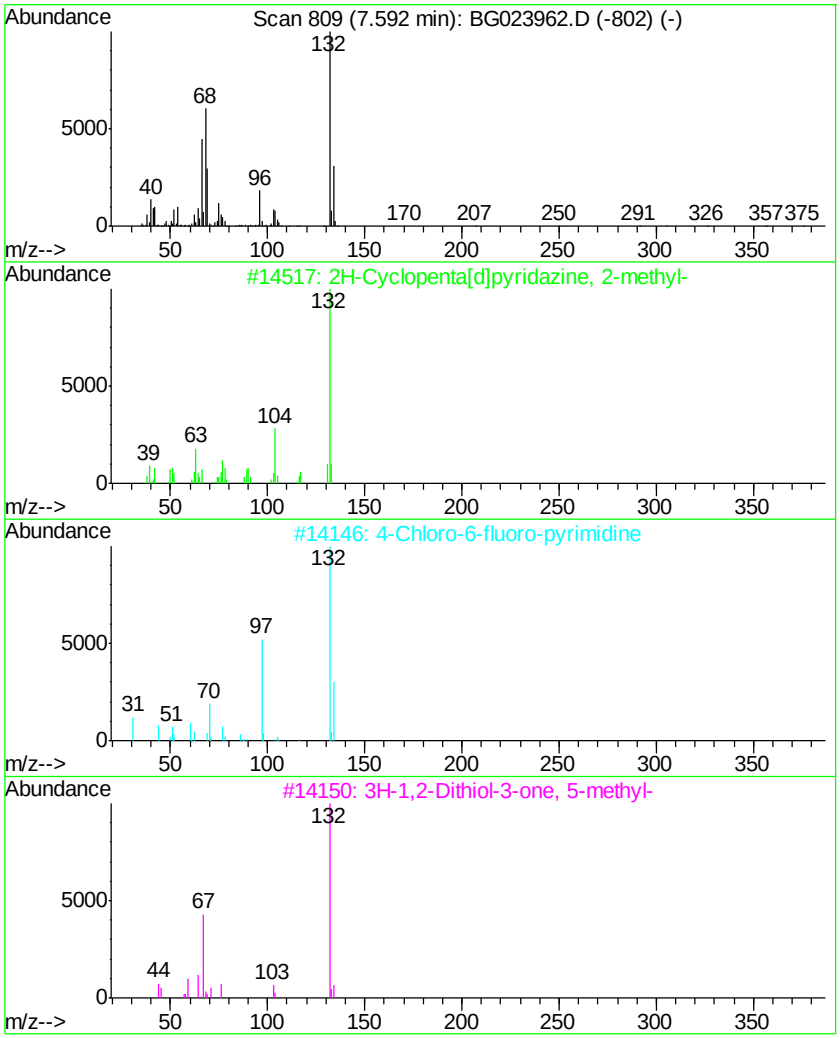
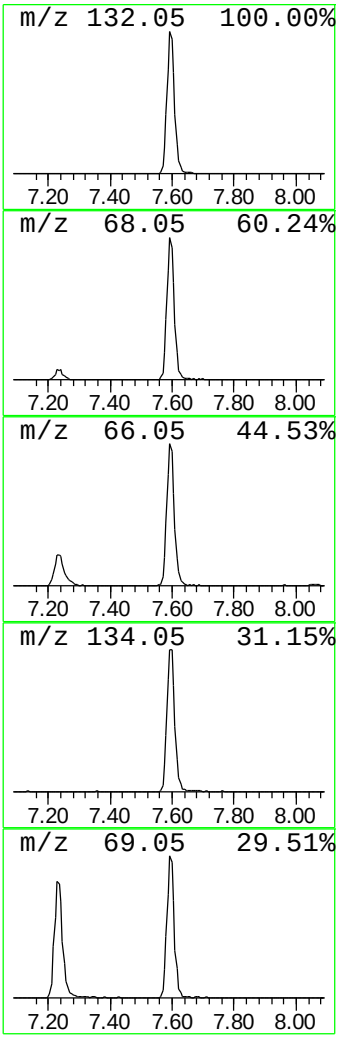
Peak Number 3 unknown7.59 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.59 | 86.02 ng | 1550400 | 1,4-Dichlorobenzene-d4 | 8.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2 | 022291-85-6 | 18 |
| 2 | 4-Chloro-6-fluoro-pyrimidine | 132 | C4H2ClFN2 | 051422-01-6 | 14 |
| 3 | 3H-1,2-Dithiol-3-one, 5-methyl- | 132 | C4H4OS2 | 003620-08-4 | 14 |
| 4 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 14 |
| 5 | 1,3-Cyclopentanedione, 2-chloro- | 132 | C5H5ClO2 | 014203-19-1 | 12 |



Tentatively Identified Compound (LSC) summary

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| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| unknown2.94 | 2.94 | 251.5 | ng | 4533500 | 1 | 8.06 | 360475 | 20.0 |
| unknown5.13 | 5.13 | 15.8 | ng | 284122 | 1 | 8.06 | 360475 | 20.0 |
| unknown7.59 | 7.59 | 86.0 | ng | 1550400 | 1 | 8.06 | 360475 | 20.0 |