LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM092816\
Data File : BM007605.D
Acq On : 28 Sep 2016 17:07
Operator : UM/SJ
Sample : H4955-23
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** A4VN1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % 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_M\METHODS\SOM02.2-EPA-BM092316.M
Title : SVOA CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.846 | 38 | 44 | 75 | rVB3 | 45126401 | 125397406 | 100.00% | 33.978% |
| 2 | 6.951 | 735 | 742 | 745 | rBV | 1071007 | 2008947 | 1.60% | 0.544% |
| 3 | 7.204 | 779 | 785 | 796 | rVV | 1312938 | 1978664 | 1.58% | 0.536% |
| 4 | 7.310 | 796 | 803 | 814 | rVB | 1030701 | 1685789 | 1.34% | 0.457% |
| 5 | 8.216 | 948 | 957 | 967 | rBV | 2496560 | 3982145 | 3.18% | 1.079% |
| 6 | 8.481 | 997 | 1002 | 1007 | rBV | 1368329 | 2272426 | 1.81% | 0.616% |
| 7 | 8.545 | 1007 | 1013 | 1016 | rVV | 2551066 | 4121927 | 3.29% | 1.117% |
| 8 | 8.586 | 1016 | 1020 | 1028 | rVB | 1657803 | 2758638 | 2.20% | 0.747% |
| 9 | 8.845 | 1057 | 1064 | 1072 | rVB | 1077719 | 1808189 | 1.44% | 0.490% |
| 10 | 8.933 | 1072 | 1079 | 1086 | rBV | 1029977 | 1732426 | 1.38% | 0.469% |
| 11 | 9.498 | 1167 | 1175 | 1185 | rBV | 1773607 | 3009491 | 2.40% | 0.815% |
| 12 | 9.645 | 1193 | 1200 | 1209 | rBV | 880423 | 1525590 | 1.22% | 0.413% |
| 13 | 9.739 | 1209 | 1216 | 1234 | rVB | 2184848 | 3597862 | 2.87% | 0.975% |
| 14 | 9.975 | 1249 | 1256 | 1263 | rBV | 1607837 | 2474531 | 1.97% | 0.671% |
| 15 | 10.186 | 1284 | 1292 | 1311 | rBV2 | 1475339 | 3734737 | 2.98% | 1.012% |
| 16 | 10.557 | 1346 | 1355 | 1359 | rBV | 1140025 | 1968648 | 1.57% | 0.533% |
| 17 | 10.604 | 1359 | 1363 | 1371 | rVB | 1312604 | 2220688 | 1.77% | 0.602% |
| 18 | 10.698 | 1372 | 1379 | 1394 | rBV | 1079231 | 1989313 | 1.59% | 0.539% |
| 19 | 10.886 | 1404 | 1411 | 1423 | rVB | 2727983 | 4382208 | 3.49% | 1.187% |
| 20 | 11.504 | 1508 | 1516 | 1540 | rBV | 654697 | 2057210 | 1.64% | 0.557% |
| 21 | 12.439 | 1667 | 1675 | 1685 | rVB | 3406347 | 5510786 | 4.39% | 1.493% |
| 22 | 12.592 | 1690 | 1701 | 1716 | rVB2 | 2668129 | 6201721 | 4.95% | 1.680% |
| 23 | 12.910 | 1748 | 1755 | 1772 | rBV | 2312828 | 3841433 | 3.06% | 1.041% |
| 24 | 13.280 | 1807 | 1818 | 1830 | rBV | 1538163 | 2492986 | 1.99% | 0.676% |
| 25 | 13.821 | 1902 | 1910 | 1914 | rBV | 3023307 | 4379040 | 3.49% | 1.187% |
| 26 | 13.863 | 1914 | 1917 | 1929 | rVB | 1727487 | 2402317 | 1.92% | 0.651% |
| 27 | 14.098 | 1948 | 1957 | 1960 | rBV | 3139609 | 5136885 | 4.10% | 1.392% |
| 28 | 14.127 | 1960 | 1962 | 1971 | rVB | 2130406 | 2659135 | 2.12% | 0.721% |
| 29 | 14.327 | 1988 | 1996 | 2003 | rBV | 2555248 | 3979312 | 3.17% | 1.078% |
| 30 | 14.404 | 2003 | 2009 | 2015 | rVV | 2061583 | 3147170 | 2.51% | 0.853% |
| 31 | 14.474 | 2015 | 2021 | 2026 | rVV | 3425608 | 5221971 | 4.16% | 1.415% |
| 32 | 14.533 | 2026 | 2031 | 2040 | rVV | 1564841 | 2453978 | 1.96% | 0.665% |
| 33 | 14.621 | 2040 | 2046 | 2055 | rVV | 1424789 | 2365105 | 1.89% | 0.641% |
| 34 | 14.804 | 2071 | 2077 | 2086 | rVB | 1935171 | 2871290 | 2.29% | 0.778% |

LSC Area Percent Report

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Sample : H4955-23
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** A4VN1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % 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_M\METHODS\SOM02.2-EPA-BM092316.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 15.398 | 2171 | 2178 | 2183 | rBV | 4174926 | 6304967 | 5.03% | 1.708% |
| 36 | 15.451 | 2183 | 2187 | 2191 | rVV2 | 4002892 | 5811873 | 4.63% | 1.575% |
| 37 | 15.498 | 2191 | 2195 | 2198 | rVV | 2931333 | 4645588 | 3.70% | 1.259% |
| 38 | 15.545 | 2198 | 2203 | 2216 | rVB2 | 4070690 | 7445691 | 5.94% | 2.018% |
| 39 | 16.804 | 2411 | 2417 | 2433 | rBV | 6359072 | 9527662 | 7.60% | 2.582% |
| 40 | 17.151 | 2469 | 2476 | 2483 | rBV2 | 2910515 | 4264202 | 3.40% | 1.155% |
| 41 | 17.251 | 2486 | 2493 | 2496 | rVV2 | 4938325 | 7566451 | 6.03% | 2.050% |
| 42 | 17.286 | 2496 | 2499 | 2509 | rVB | 4774348 | 6373747 | 5.08% | 1.727% |
| 43 | 17.556 | 2536 | 2545 | 2564 | rBV | 4908396 | 7347340 | 5.86% | 1.991% |
| 44 | 19.209 | 2818 | 2826 | 2834 | rVB | 3773370 | 5207894 | 4.15% | 1.411% |
| 45 | 19.545 | 2876 | 2883 | 2891 | rBV | 6689398 | 9497266 | 7.57% | 2.573% |
| 46 | 20.468 | 3035 | 3040 | 3046 | rBV | 4206749 | 4826528 | 3.85% | 1.308% |
| 47 | 21.244 | 3167 | 3172 | 3181 | rBV | 4875952 | 5598847 | 4.46% | 1.517% |
| 48 | 21.333 | 3182 | 3187 | 3190 | rVV | 4547581 | 6136271 | 4.89% | 1.663% |
| 49 | 21.374 | 3190 | 3194 | 3202 | rVB | 7211898 | 9777766 | 7.80% | 2.649% |
| 50 | 22.962 | 3457 | 3464 | 3479 | rVB | 6719452 | 11621626 | 9.27% | 3.149% |
| 51 | 23.456 | 3540 | 3548 | 3552 | rBV2 | 4557737 | 9645602 | 7.69% | 2.614% |
| 52 | 23.503 | 3552 | 3556 | 3564 | rVV | 5887544 | 10379520 | 8.28% | 2.812% |
| 53 | 23.597 | 3565 | 3572 | 3581 | rVB | 2871372 | 5433829 | 4.33% | 1.472% |
| 54 | 25.885 | 3952 | 3961 | 3978 | rVB | 1352340 | 4268559 | 3.40% | 1.157% |

Sum of corrected areas: 369051193

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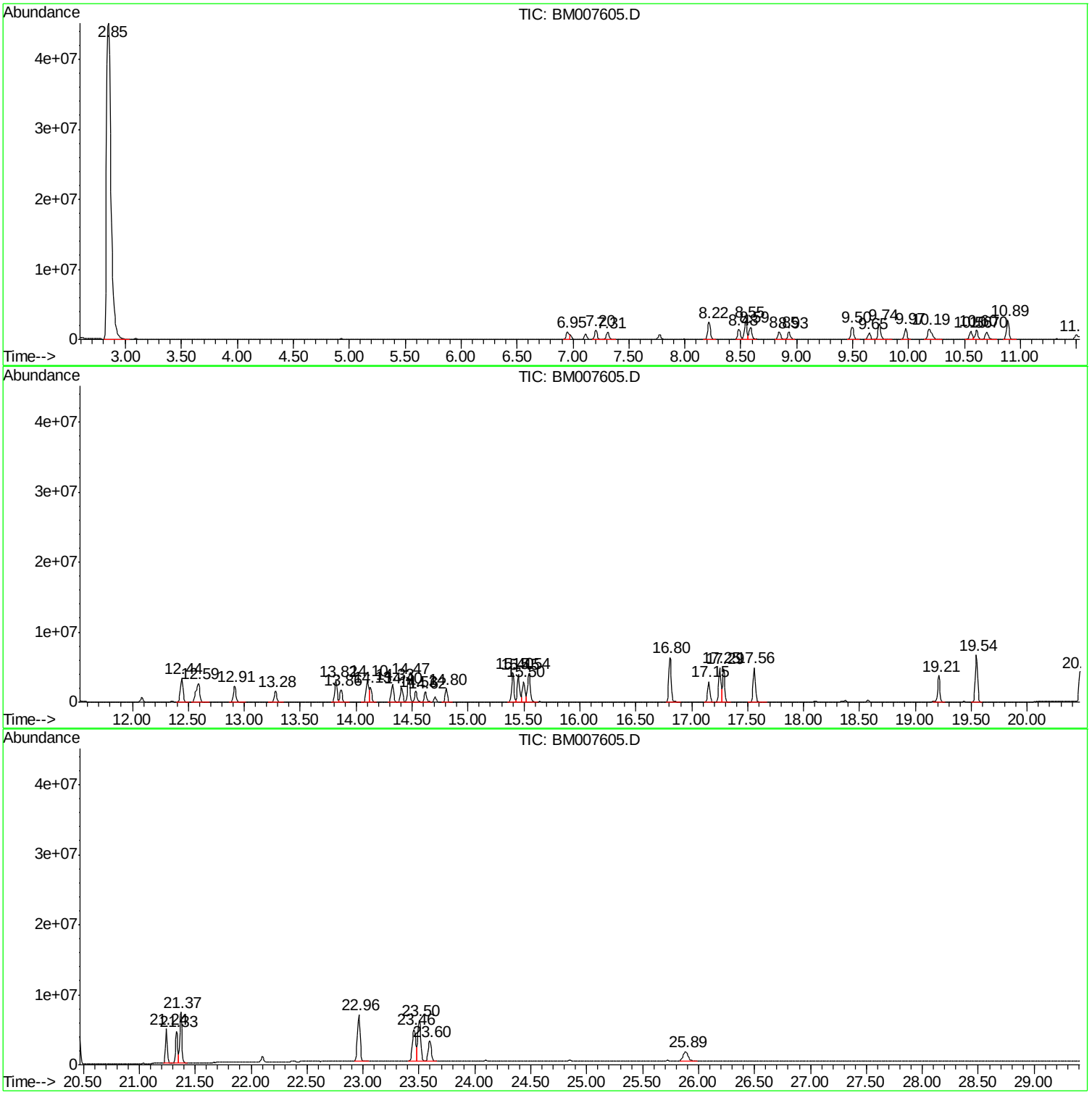
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
A4VN1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092316.M
Quant Title : SVOA CALIBRATION

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



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM092816\
Data File : BM007605.D
Acq On : 28 Sep 2016 17:07
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Sample : H4955-23
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** A4VN1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092316.M
Quant Title : SVOA CALIBRATION

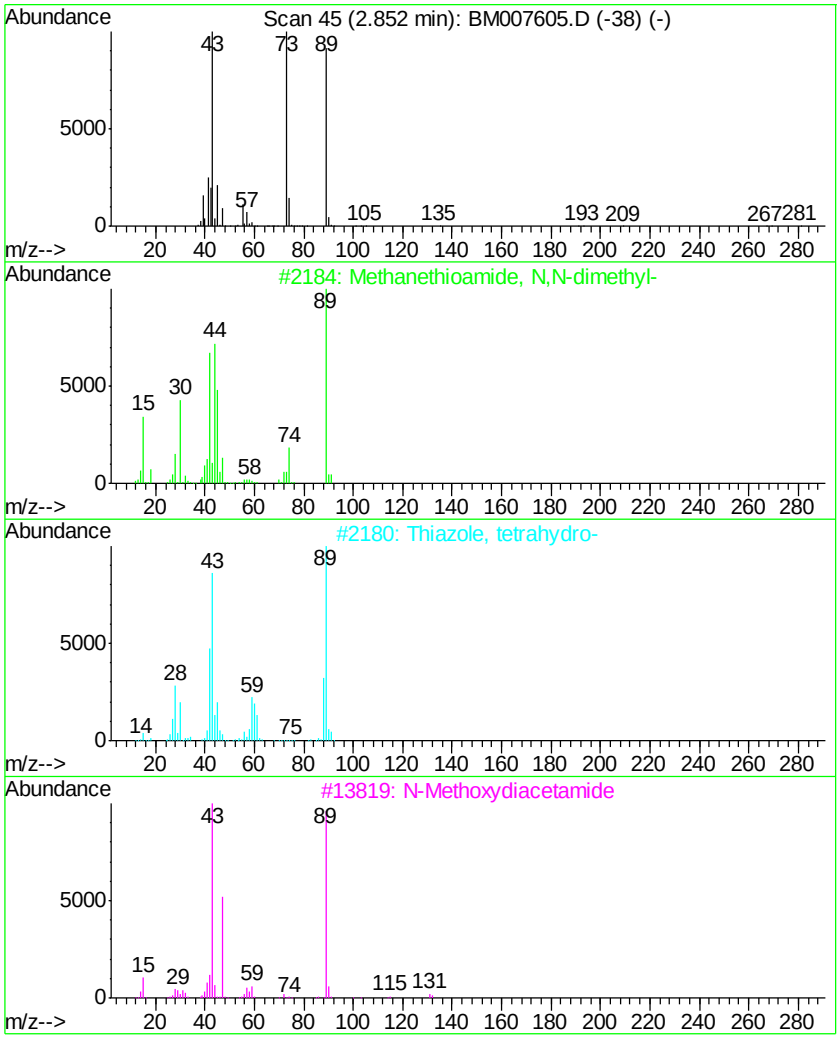
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

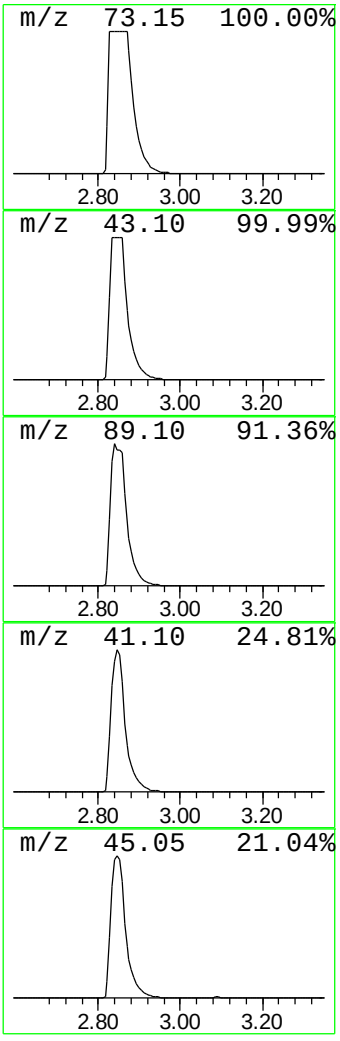
**********

Peak Number 1 Methanethioamide, N,N-dimet... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.85 | 629.80 ng/ul | 125397000 | 1,4-Dichlorobenzene-d4 | 7.77 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Methanethioamide, N,N-dimethyl- | 89 | C3H7NS | 000758-16-7 | 56 |
| 2 | Thiazole, tetrahydro- | 89 | C3H7NS | 000504-78-9 | 40 |
| 3 | N-Methoxydiacetamide | 131 | C5H9NO3 | 128459-09-6 | 38 |
| 4 | Propane, 2,2-dimethoxy- | 104 | C5H12O2 | 000077-76-9 | 9 |
| 5 | Malic Acid | 134 | C4H6O5 | 006915-15-7 | 9 |



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Sample : H4955-23
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** A4VN1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092316.M
Quant Title : SVOA CALIBRATION

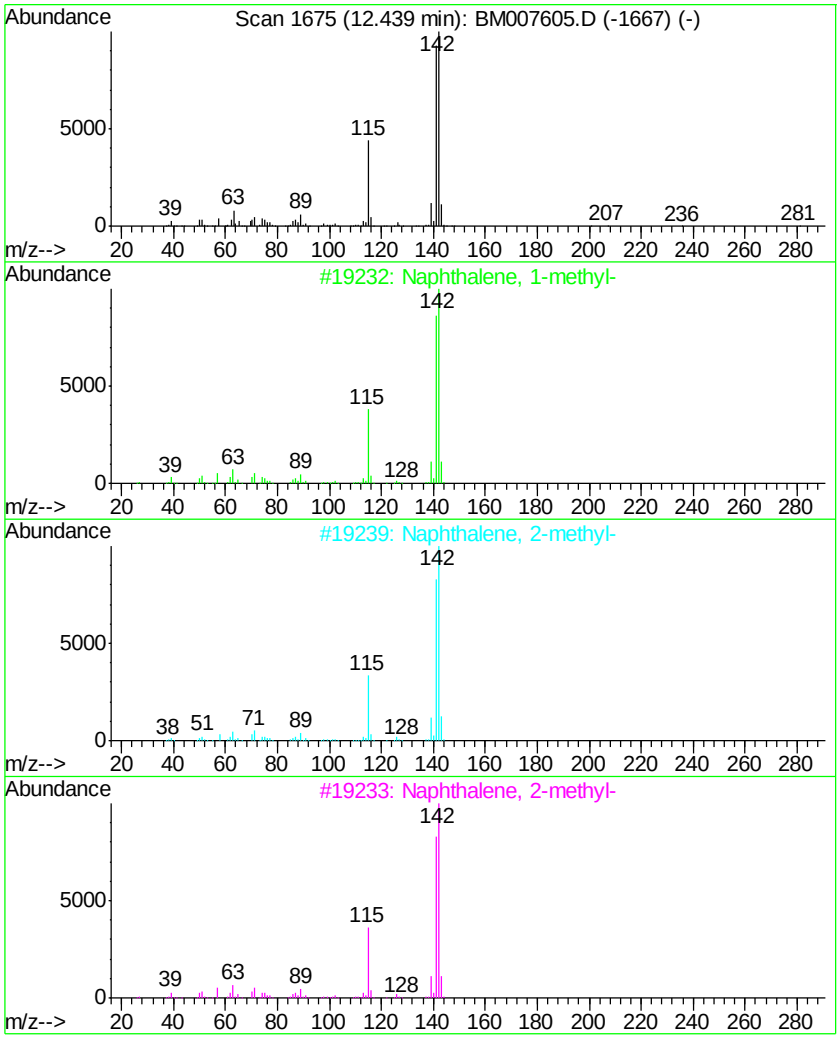
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

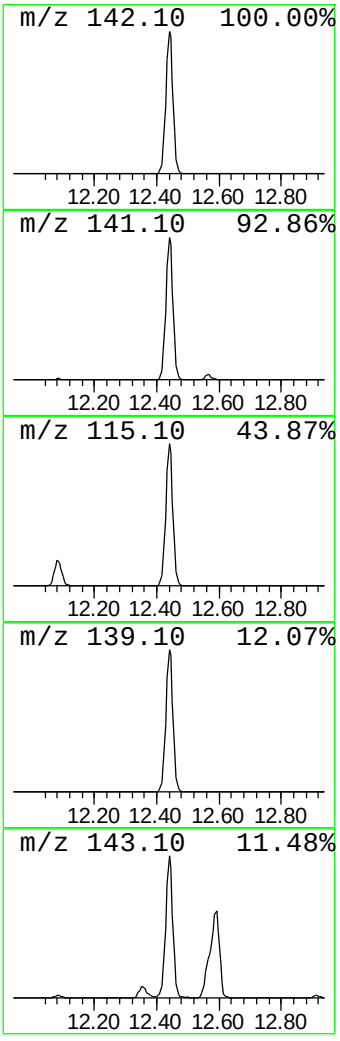
**********

Peak Number 2 Naphthalene, 1-methyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.44 | 55.99 ng/ul | 5510790 | Naphthalene-d8 | 10.56 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1-methyl- | 142 | C11H10 | 000090-12-0 | 96 |
| 2 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 96 |
| 3 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 96 |
| 4 | Naphthalene, 1-methyl- | 142 | C11H10 | 000090-12-0 | 94 |
| 5 | Naphthalene, 1-methyl- | 142 | C11H10 | 000090-12-0 | 91 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM092816\
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**Instrument :** BNA_M
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092316.M
Quant Title : SVOA CALIBRATION

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TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Methanethioamide,... | 2.85 | 629.8 | ng/ul | 125397000 | 1 | 7.77 | 3982150 | 20.0 |
| Naphthalene, 1-me... | 12.44 | 56.0 | ng/ul | 5510790 | 2 | 10.56 | 1968650 | 20.0 |