LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101417\
Data File : BF099492.D
Acq On : 14 Oct 2017 22:26
Operator : SJ/JU
Sample : I5776-09
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EPE-P6(70-80)

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-BF092317.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 | 5.087 | 506 | 510 | 521 | rBV | 300416 | 409323 | 15.85% | 1.847% |
| 2 | 5.481 | 573 | 577 | 601 | rBV | 2258544 | 2404458 | 93.12% | 10.848% |
| 3 | 6.492 | 744 | 749 | 759 | rBV | 2265492 | 2531575 | 98.05% | 11.422% |
| 4 | 6.628 | 767 | 772 | 775 | rBV | 2555092 | 2441984 | 94.58% | 11.017% |
| 5 | 6.851 | 807 | 810 | 818 | rVB | 661982 | 525152 | 20.34% | 2.369% |
| 6 | 7.010 | 832 | 837 | 840 | rBV | 1926502 | 1828092 | 70.80% | 8.248% |
| 7 | 7.416 | 902 | 906 | 918 | rBV | 1413066 | 1513743 | 58.63% | 6.829% |
| 8 | 8.133 | 1024 | 1028 | 1044 | rBV | 832677 | 723945 | 28.04% | 3.266% |
| 9 | 8.692 | 1119 | 1123 | 1133 | rBV | 132750 | 117729 | 4.56% | 0.531% |
| 10 | 9.210 | 1206 | 1211 | 1214 | rBV | 2545152 | 2581986 | 100.00% | 11.649% |
| 11 | 9.598 | 1274 | 1277 | 1288 | rBV | 485913 | 437648 | 16.95% | 1.975% |
| 12 | 9.886 | 1322 | 1326 | 1338 | rVB | 882537 | 802925 | 31.10% | 3.623% |
| 13 | 10.598 | 1444 | 1447 | 1451 | rBV | 421591 | 375328 | 14.54% | 1.693% |
| 14 | 10.680 | 1457 | 1461 | 1474 | rBV | 1568723 | 1483185 | 57.44% | 6.692% |
| 15 | 11.374 | 1576 | 1579 | 1588 | rBV | 869336 | 774574 | 30.00% | 3.495% |
| 16 | 12.962 | 1844 | 1849 | 1852 | rBV | 2213635 | 2209789 | 85.58% | 9.970% |
| 17 | 13.839 | 1995 | 1998 | 2009 | rBV | 34569 | 50176 | 1.94% | 0.226% |
| 18 | 14.021 | 2025 | 2029 | 2037 | rBV | 551286 | 554443 | 21.47% | 2.501% |
| 19 | 15.492 | 2274 | 2279 | 2293 | rBV2 | 292026 | 398857 | 15.45% | 1.799% |

Sum of corrected areas: 22164912

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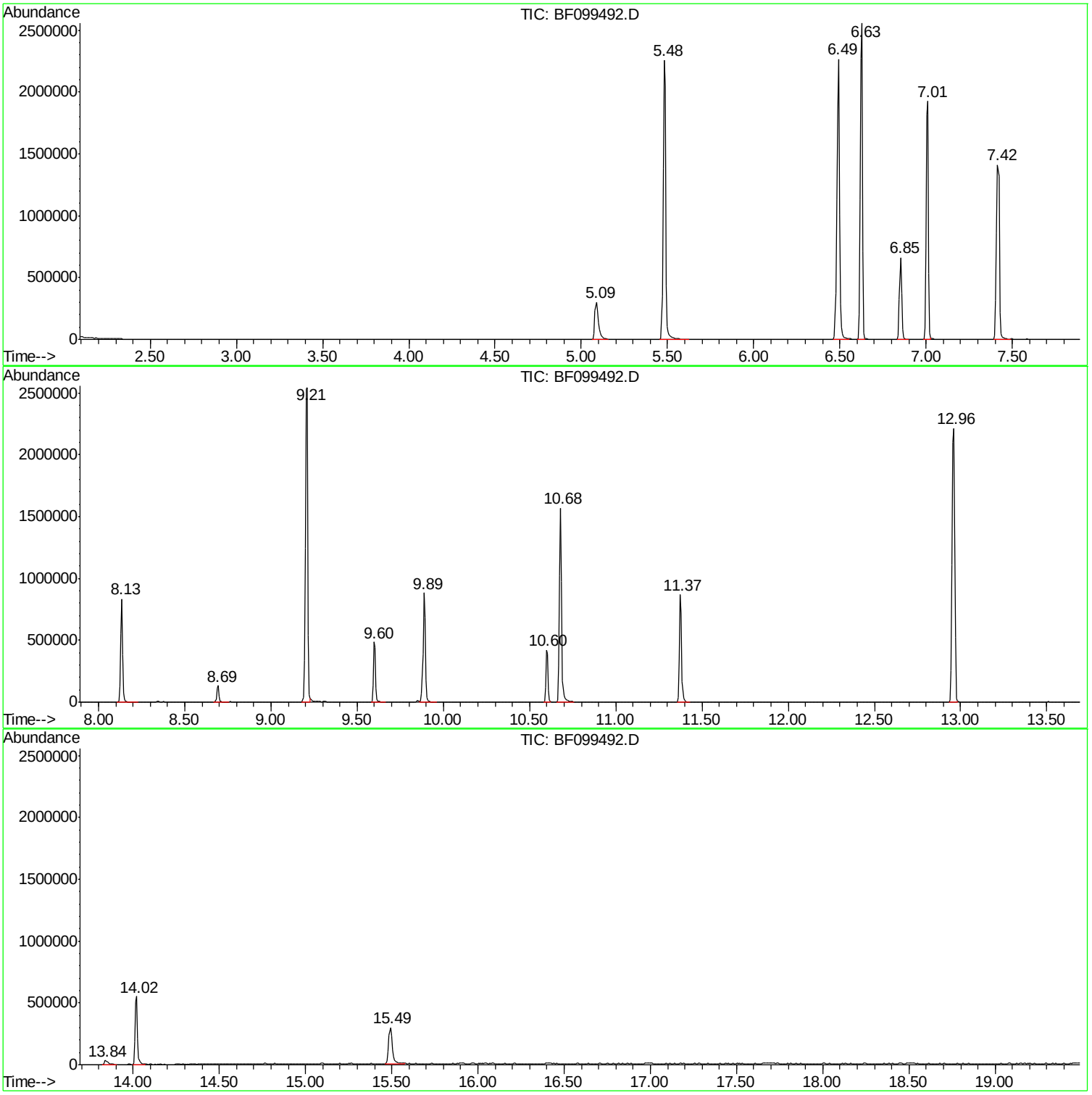
BNA_F
**ClientSampleId :**
EPE-P6(70-80)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.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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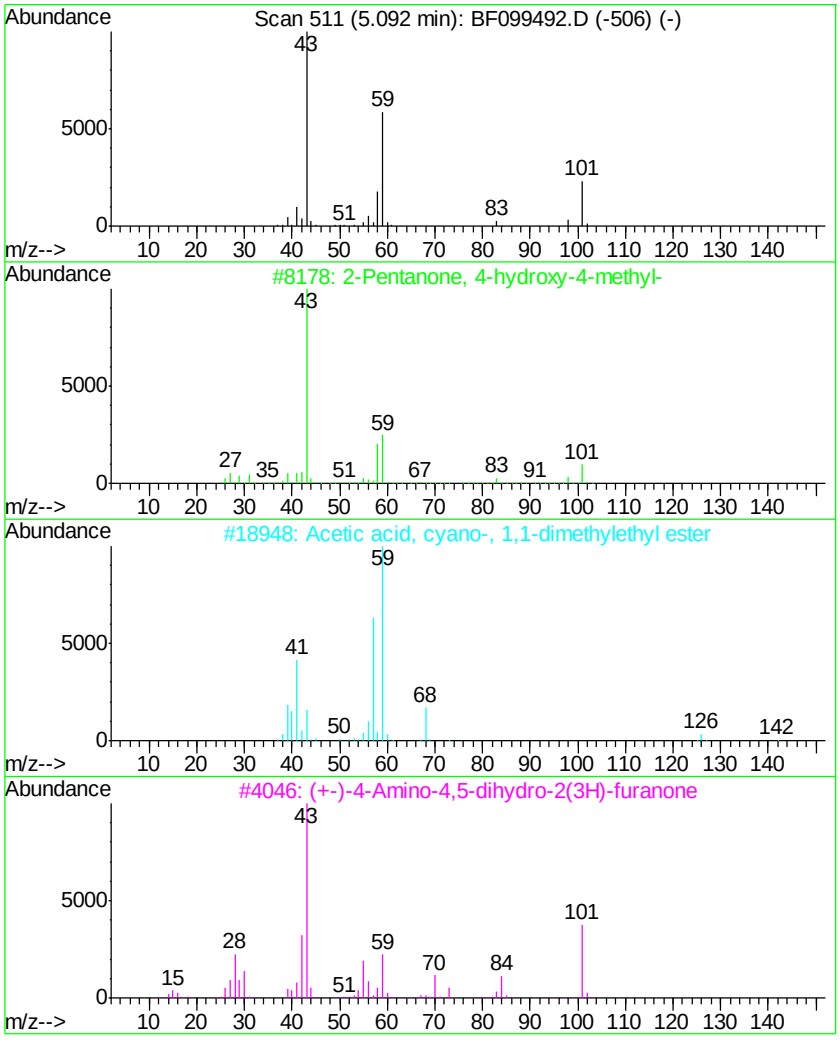
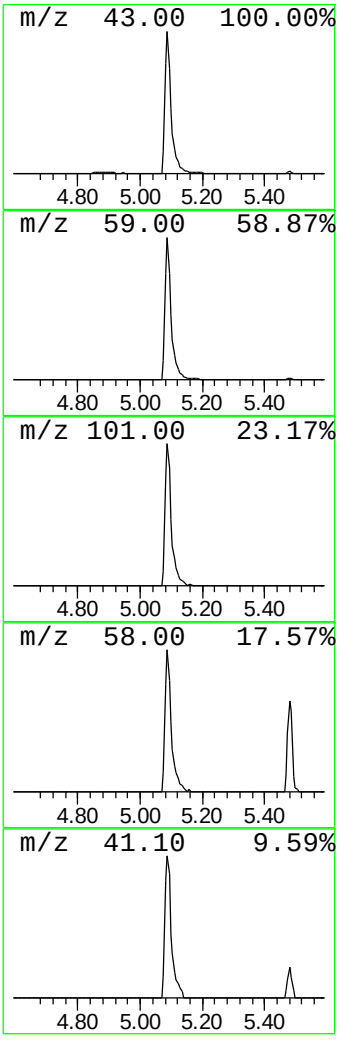
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.09 | 15.59 ng | 409323 | 1,4-Dichlorobenzene-d4 | 6.85 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 64 |
| 2 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 32 |
| 3 | (+-)-4-Amino-4,5-dihydro-2(3H)-f... | 101 | C4H7NO2 | 016504-58-8 | 9 |
| 4 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 9 |
| 5 | Butane, 1-ethoxy- | 102 | C6H14O | 000628-81-9 | 9 |



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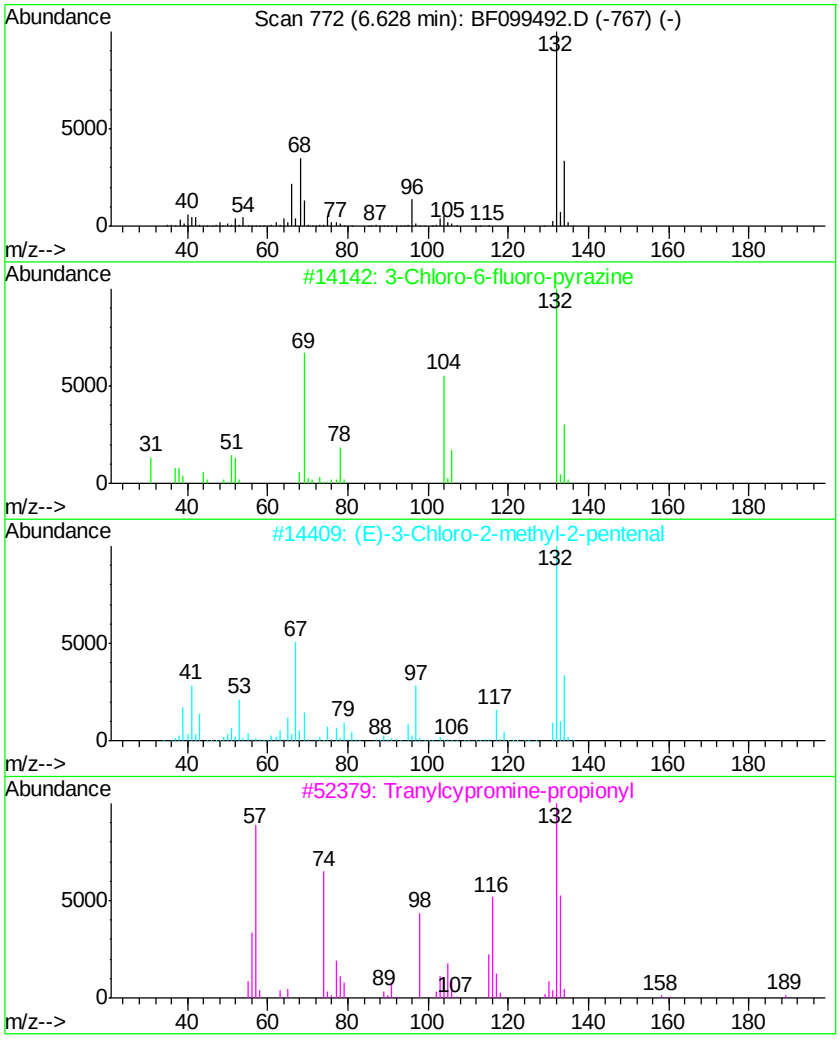
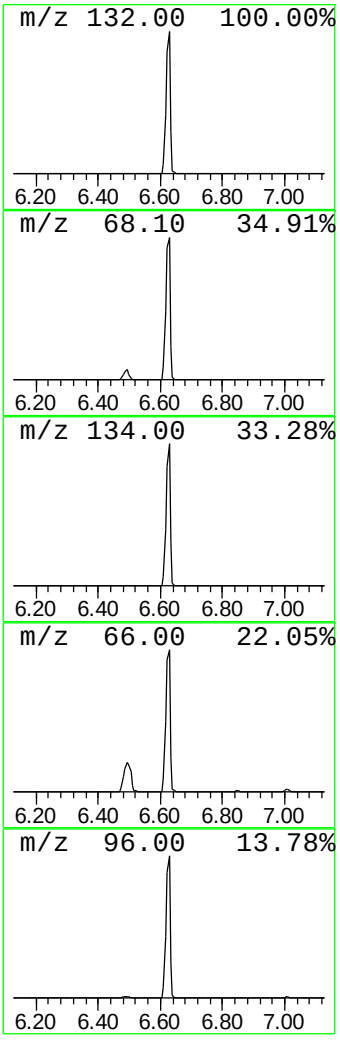
Peak Number 2 unknown6.63 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.63 | 93.00 ng | 2441980 | 1,4-Dichlorobenzene-d4 | 6.85 |

| 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 | 12 |
| 3 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 12 |
| 4 | 4-Chloro-2-fluoro-pyrimidine | 132 | C4H2ClFN2 | 051422-00-5 | 9 |
| 5 | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0 | 9 |



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ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EPE-P6(70-80)

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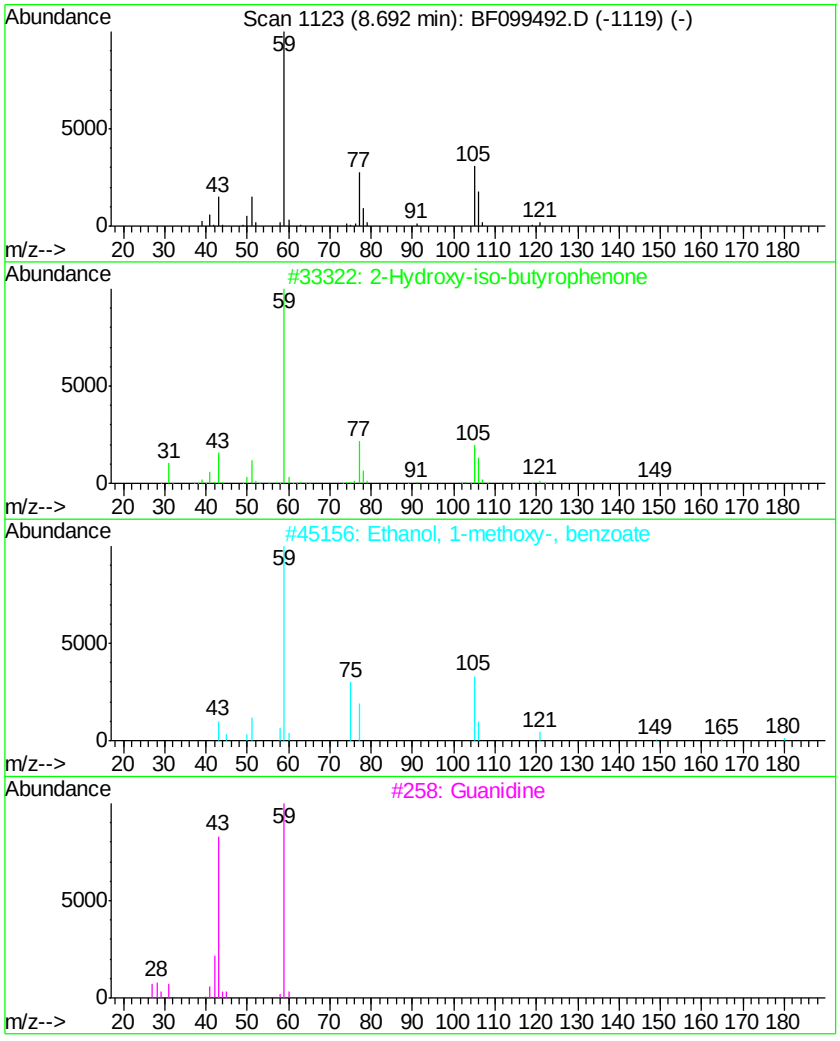
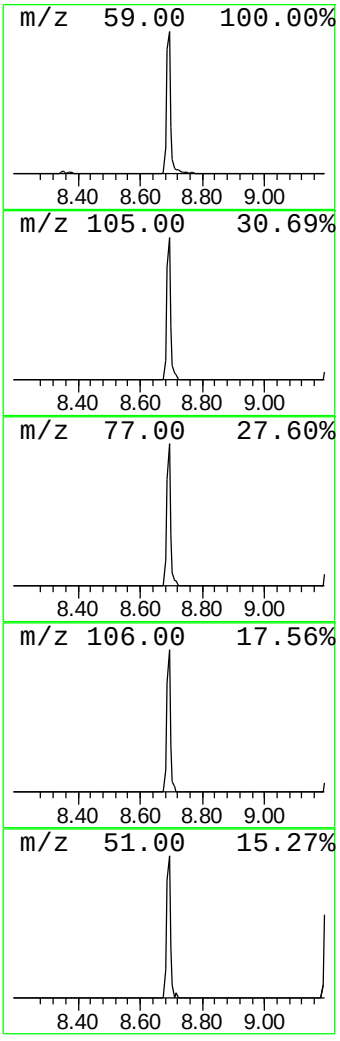
Peak Number 4 2-Hydroxy-iso-butyrophenone Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.69 | 3.25 ng | 117729 | Naphthalene-d8 | 8.13 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Hydroxy-iso-butyrophenone | 164 | C10H12O2 | 007473-98-5 | 90 |
| 2 | Ethanol, 1-methoxy-, benzoate | 180 | C10H12O3 | 051835-44-0 | 64 |
| 3 | Guanidine | 59 | CH5N3 | 000113-00-8 | 7 |
| 4 | Formamide, N-methyl- | 59 | C2H5NO | 000123-39-7 | 5 |
| 5 | Acetamide | 59 | C2H5NO | 000060-35-5 | 5 |



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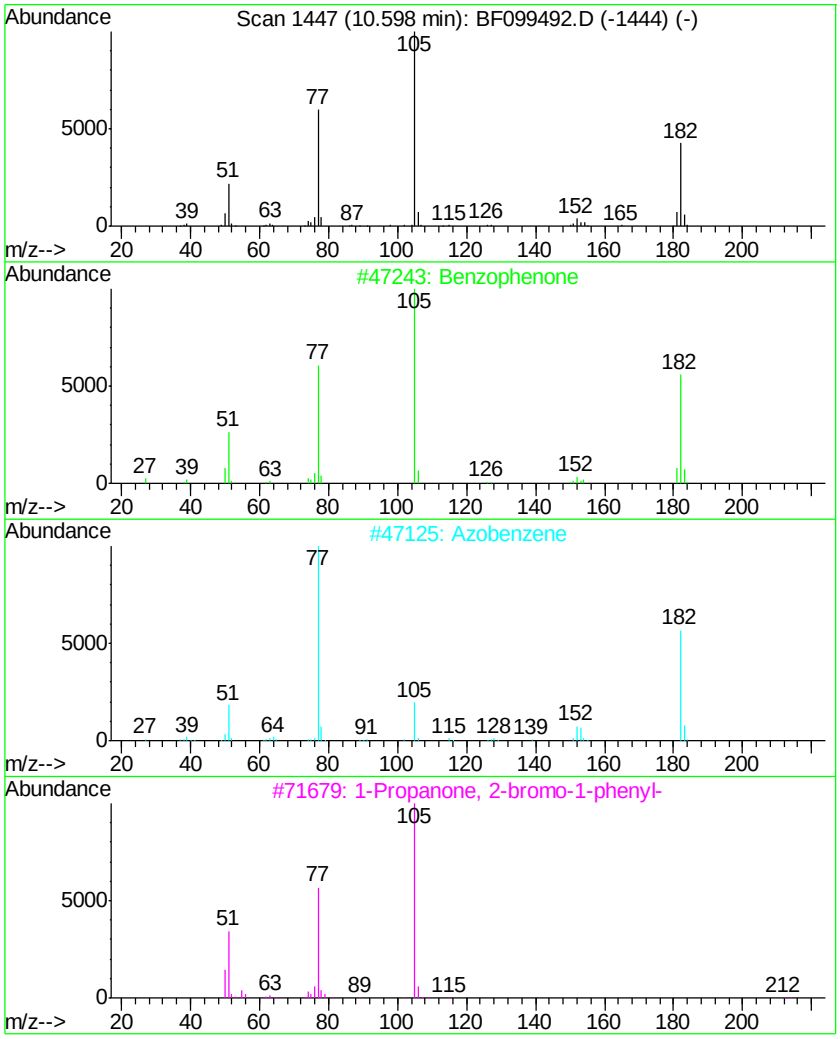
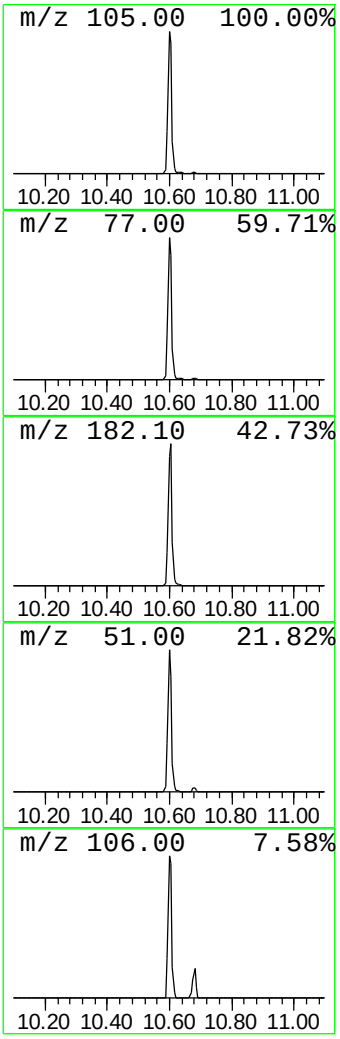
Peak Number 5 Benzophenone Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.60 | 9.35 ng | 375328 | Acenaphthene-d10 | 9.89 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzophenone | 182 | C13H10O | 000119-61-9 | 96 |
| 2 | Azobenzene | 182 | C12H10N2 | 000103-33-3 | 64 |
| 3 | 1-Propanone, 2-bromo-1-phenyl- | 212 | C9H9BrO | 002114-00-3 | 47 |
| 4 | Benzoyl isothiocyanate | 163 | C8H5NOS | 000532-55-8 | 47 |
| 5 | 1-Propanone, 3-chloro-1-phenyl- | 168 | C9H9ClO | 000936-59-4 | 47 |



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... | 5.09 | 15.6 | ng | 409323 | 1 | 6.85 | 525152 | 20.0 |
| unknown6.63 | 6.63 | 93.0 | ng | 2441980 | 1 | 6.85 | 525152 | 20.0 |
| 2-Hydroxy-iso-but... | 8.69 | 3.3 | ng | 117729 | 2 | 8.13 | 723945 | 20.0 |
| Benzophenone | 10.60 | 9.3 | ng | 375328 | 3 | 9.89 | 802925 | 20.0 |