LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110817\
Data File : BF100315.D
Acq On : 9 Nov 2017 1:54
Operator : SJ/JU
Sample : I6346-04
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EPE-120-5(20-22)

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-BF110817.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 | 2.240 | 22 | 26 | 33 | rVB | 69702 | 102815 | 2.20% | 0.266% |
| 2 | 5.139 | 515 | 519 | 532 | rVB | 699555 | 941531 | 20.19% | 2.440% |
| 3 | 5.528 | 579 | 585 | 588 | rBV | 3952859 | 4600855 | 98.65% | 11.921% |
| 4 | 6.528 | 748 | 755 | 758 | rBV | 4017156 | 4663757 | 100.00% | 12.084% |
| 5 | 6.669 | 774 | 779 | 783 | rBV | 4086230 | 4555339 | 97.68% | 11.804% |
| 6 | 6.898 | 815 | 818 | 822 | rVB | 1347531 | 1158944 | 24.85% | 3.003% |
| 7 | 7.057 | 841 | 845 | 848 | rBV | 3591791 | 3282162 | 70.38% | 8.505% |
| 8 | 7.463 | 908 | 914 | 917 | rBV | 2777187 | 2875313 | 61.65% | 7.450% |
| 9 | 8.180 | 1032 | 1036 | 1039 | rBV | 1844414 | 1475288 | 31.63% | 3.823% |
| 10 | 8.733 | 1126 | 1130 | 1133 | rBV | 128543 | 94538 | 2.03% | 0.245% |
| 11 | 9.257 | 1214 | 1219 | 1222 | rBV | 4756253 | 4506573 | 96.63% | 11.677% |
| 12 | 9.645 | 1282 | 1285 | 1288 | rBV | 91785 | 64342 | 1.38% | 0.167% |
| 13 | 9.933 | 1330 | 1334 | 1338 | rBV | 1493023 | 1434784 | 30.76% | 3.718% |
| 14 | 10.645 | 1452 | 1455 | 1459 | rVB | 340349 | 301403 | 6.46% | 0.781% |
| 15 | 10.721 | 1464 | 1468 | 1472 | rBV | 2424400 | 2380981 | 51.05% | 6.169% |
| 16 | 11.421 | 1583 | 1587 | 1591 | rBV | 1449962 | 1205547 | 25.85% | 3.124% |
| 17 | 11.939 | 1671 | 1675 | 1679 | rBV2 | 87150 | 84339 | 1.81% | 0.219% |
| 18 | 13.004 | 1852 | 1856 | 1860 | rBV | 3002582 | 2857030 | 61.26% | 7.403% |
| 19 | 13.892 | 2004 | 2007 | 2011 | rBV2 | 47821 | 49357 | 1.06% | 0.128% |
| 20 | 14.057 | 2031 | 2035 | 2039 | rBV | 1168772 | 1002170 | 21.49% | 2.597% |
| 21 | 15.539 | 2282 | 2287 | 2296 | rVB | 766056 | 955949 | 20.50% | 2.477% |

Sum of corrected areas: 38593017

LSC Report - Integrated Chromatogram

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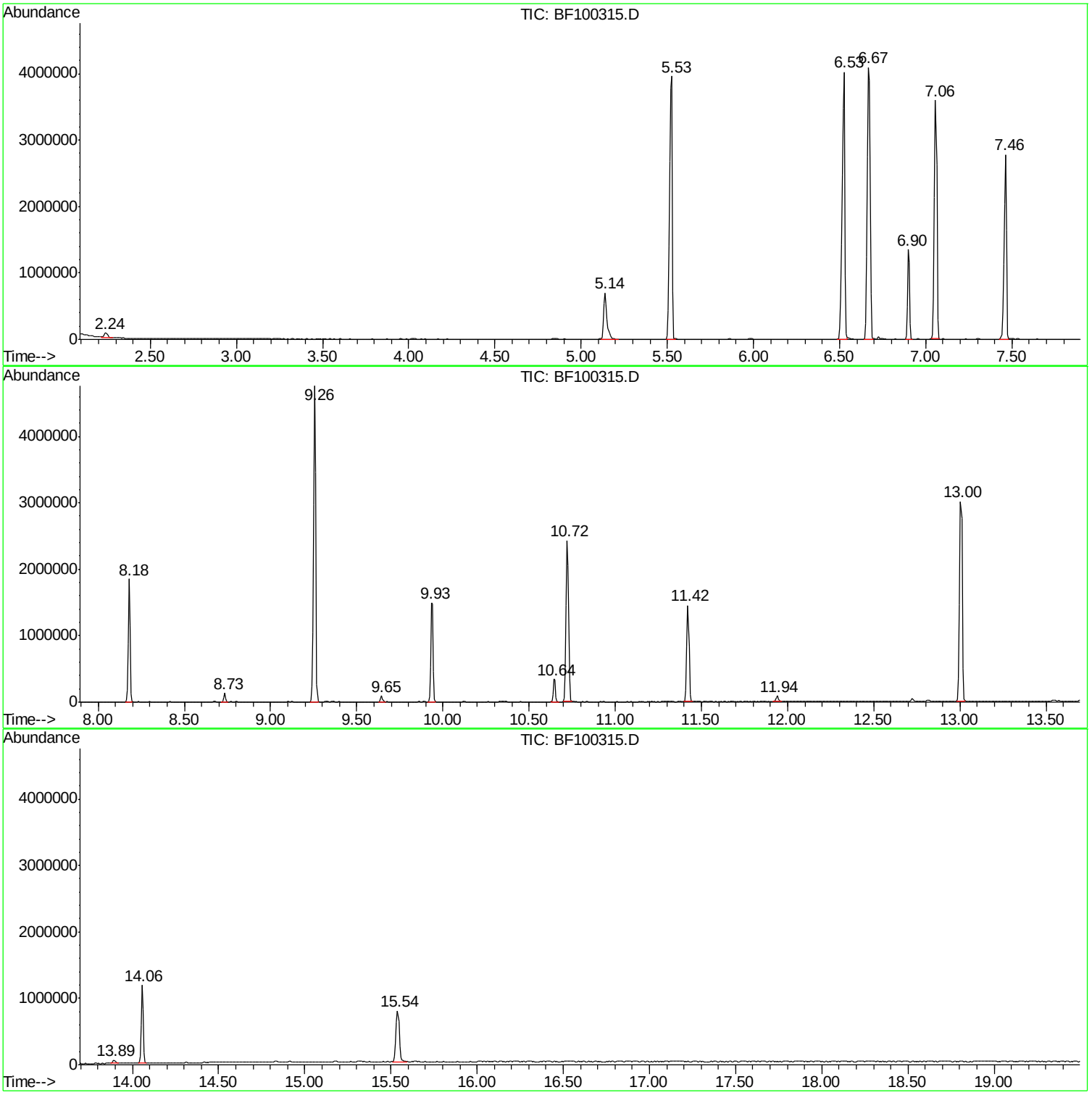
Operator : SJ/JU
Sample : I6346-04
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EPE-120-5(20-22)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110817\
Data File : BF100315.D
Acq On : 9 Nov 2017 1:54
Operator : SJ/JU
Sample : I6346-04
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EPE-120-5(20-22)

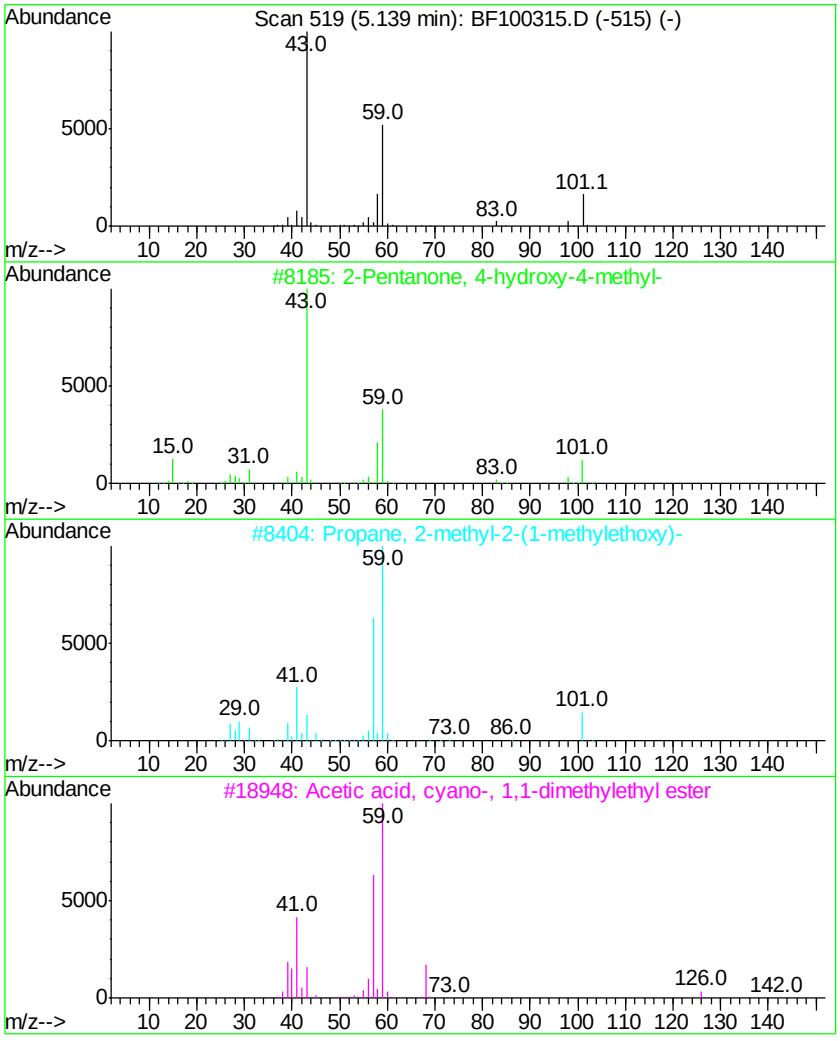
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

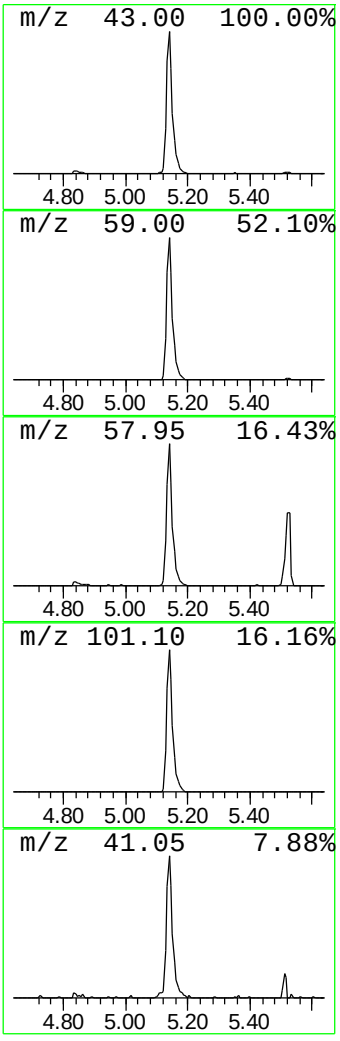
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.14 | 16.25 ng | 941531 | 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 | 59 |
| 2 | Propane, 2-methyl-2-(1-methyleth... | 116 | C7H16O | 017348-59-3 | 36 |
| 3 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 25 |
| 4 | 1-Propen-2-ol, acetate | 100 | C5H8O2 | 000108-22-5 | 10 |
| 5 | Ethanol, pentamethyl- | 116 | C7H16O | 000594-83-2 | 9 |



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Operator : SJ/JU
Sample : I6346-04
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EPE-120-5(20-22)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

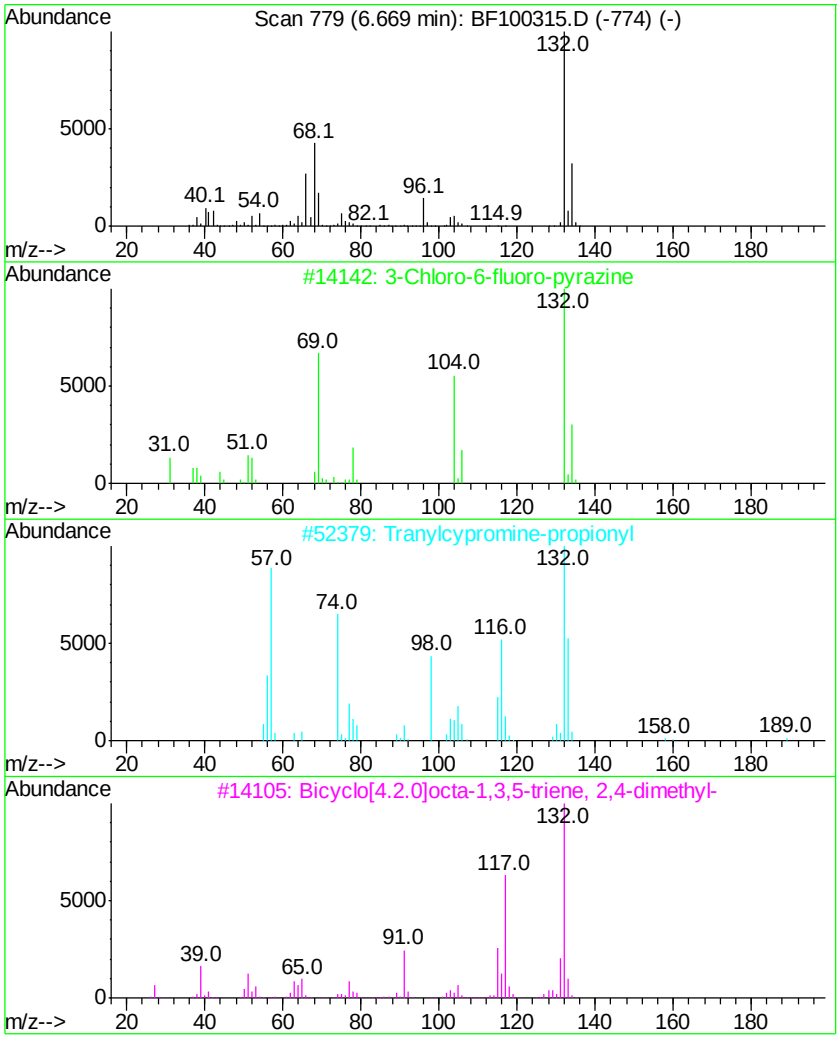
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

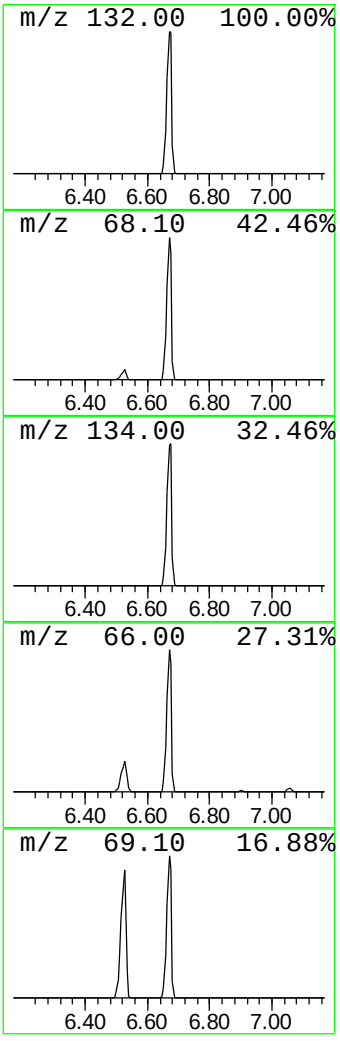
**********

Peak Number 2 unknown6.67 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.67 | 78.61 ng | 4555340 | 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 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 10 |
| 3 | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12 | 028749-81-7 | 9 |
| 4 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 9 |
| 5 | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0 | 9 |



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Data File : BF100315.D
Acq On : 9 Nov 2017 1:54
Operator : SJ/JU
Sample : I6346-04
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EPE-120-5(20-22)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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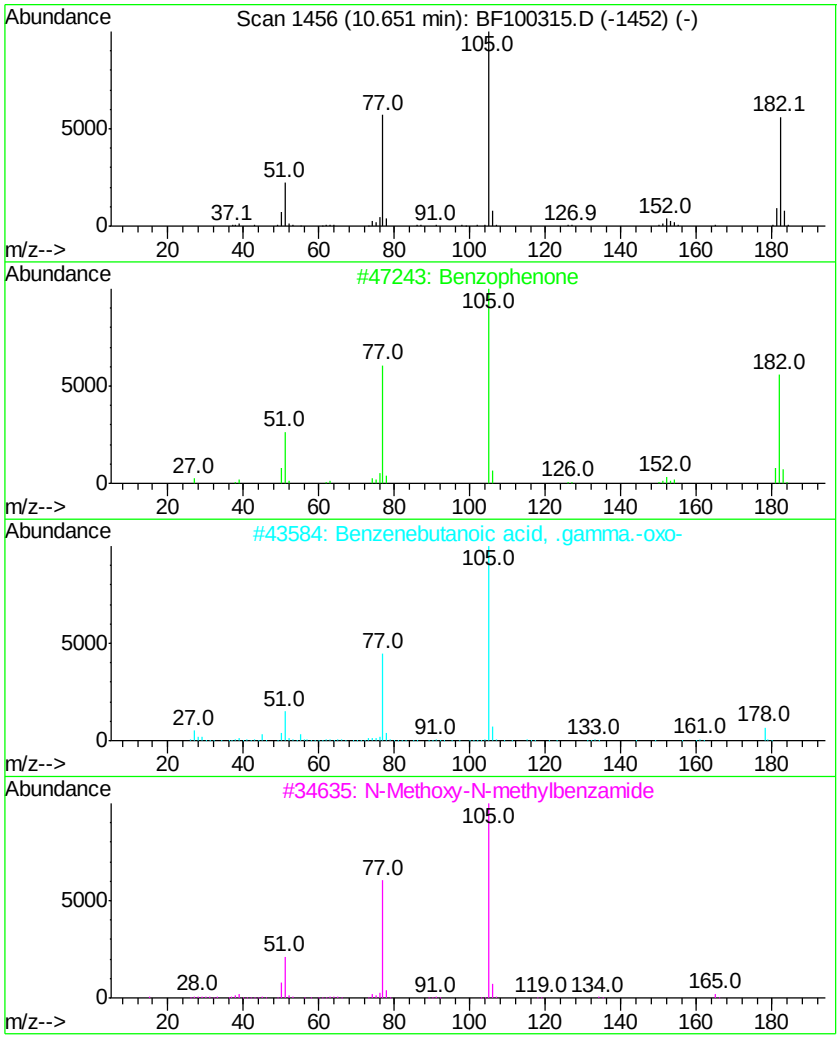
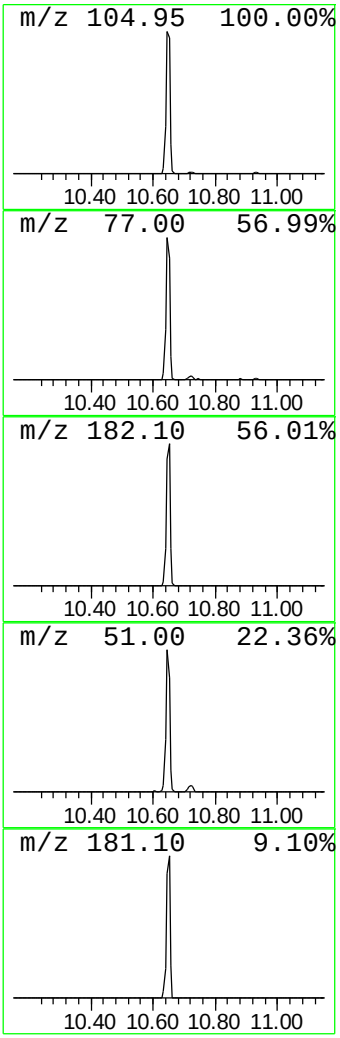
Peak Number 4 Benzophenone Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.65 | 4.20 ng | 301403 | Acenaphthene-d10 | 9.93 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzophenone | 182 | C13H10O | 000119-61-9 | 96 |
| 2 | Benzenebutanoic acid, .gamma.-oxo- | 178 | C10H10O3 | 002051-95-8 | 47 |
| 3 | N-Methoxy-N-methylbenzamide | 165 | C9H11NO2 | 006919-61-5 | 47 |
| 4 | Benzeneacetic acid, .alpha.-oxo-... | 164 | C9H8O3 | 015206-55-0 | 47 |
| 5 | N-(1-Cyanovinyl)benzamide | 172 | C10H8N2O | 1000186-19-1 | 47 |



Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF110817\
Data File : BF100315.D
Acq On : 9 Nov 2017 1:54
Operator : SJ/JU
Sample : I6346-04
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
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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... | 5.14 | 16.3 | ng | 941531 | 1 | 6.90 | 1158940 | 20.0 |
| unknown6.67 | 6.67 | 78.6 | ng | 4555340 | 1 | 6.90 | 1158940 | 20.0 |
| Benzophenone | 10.65 | 4.2 | ng | 301403 | 3 | 9.93 | 1434780 | 20.0 |