LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031315\
Data File : BF077741.D
Acq On : 13 Mar 2015 15:53
Operator : TP/IZ
Sample : G1517-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW2

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-BF031115.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 | 1.447 | 46 | 49 | 52 | rVB | 259623 | 432433 | 24.54% | 3.483% |
| 2 | 1.618 | 61 | 64 | 67 | rBV | 238103 | 335124 | 19.02% | 2.700% |
| 3 | 1.710 | 71 | 72 | 77 | rVB2 | 20021 | 25341 | 1.44% | 0.204% |
| 4 | 1.790 | 77 | 79 | 87 | rBV | 59728 | 85663 | 4.86% | 0.690% |
| 5 | 4.933 | 352 | 354 | 359 | rBV | 36936 | 42915 | 2.44% | 0.346% |
| 6 | 5.459 | 397 | 400 | 403 | rBV | 459143 | 536195 | 30.42% | 4.319% |
| 7 | 6.739 | 509 | 512 | 518 | rBV | 225966 | 338071 | 19.18% | 2.723% |
| 8 | 6.876 | 522 | 524 | 527 | rBV | 1115850 | 1055065 | 59.87% | 8.499% |
| 9 | 7.173 | 547 | 550 | 552 | rBV | 219549 | 287293 | 16.30% | 2.314% |
| 10 | 7.356 | 563 | 566 | 568 | rBV | 1210312 | 1109282 | 62.94% | 8.936% |
| 11 | 7.859 | 608 | 610 | 613 | rBV | 823505 | 777478 | 44.11% | 6.263% |
| 12 | 8.739 | 685 | 687 | 690 | rBV | 323509 | 395958 | 22.47% | 3.190% |
| 13 | 9.448 | 747 | 749 | 752 | rBV | 30978 | 36059 | 2.05% | 0.290% |
| 14 | 10.088 | 803 | 805 | 808 | rBV | 1969211 | 1762393 | 100.00% | 14.197% |
| 15 | 10.591 | 847 | 849 | 852 | rBV | 35324 | 38533 | 2.19% | 0.310% |
| 16 | 10.911 | 875 | 877 | 879 | rBV | 535166 | 492188 | 27.93% | 3.965% |
| 17 | 10.945 | 879 | 880 | 883 | rVB | 61568 | 82562 | 4.68% | 0.665% |
| 18 | 11.448 | 920 | 924 | 927 | rBV2 | 16168 | 23166 | 1.31% | 0.187% |
| 19 | 11.814 | 953 | 956 | 960 | rVB | 126261 | 116657 | 6.62% | 0.940% |
| 20 | 11.894 | 960 | 963 | 965 | rBV | 815098 | 1003753 | 56.95% | 8.086% |
| 21 | 12.751 | 1036 | 1038 | 1040 | rBV | 498142 | 509374 | 28.90% | 4.103% |
| 22 | 14.740 | 1210 | 1212 | 1215 | rBV | 1388079 | 1581168 | 89.72% | 12.737% |
| 23 | 15.940 | 1315 | 1317 | 1323 | rBV | 84422 | 134241 | 7.62% | 1.081% |
| 24 | 16.043 | 1323 | 1326 | 1329 | rBV | 551167 | 583144 | 33.09% | 4.698% |
| 25 | 17.849 | 1481 | 1484 | 1487 | rBV | 445243 | 568517 | 32.26% | 4.580% |
| 26 | 18.512 | 1539 | 1542 | 1549 | rVB7 | 8604 | 27895 | 1.58% | 0.225% |
| 27 | 18.957 | 1576 | 1581 | 1586 | rVB2 | 10947 | 33355 | 1.89% | 0.269% |

Sum of corrected areas: 12413823

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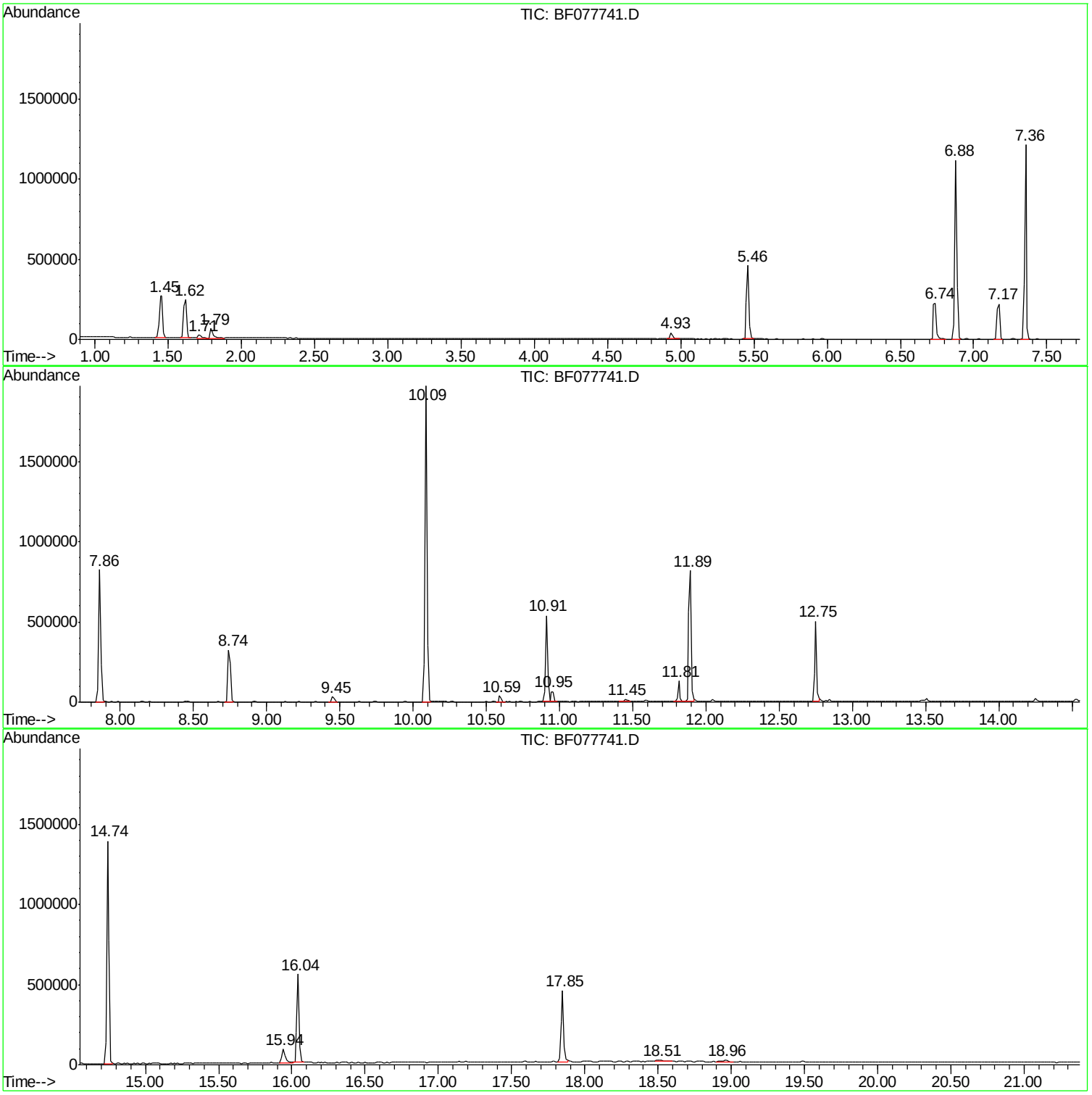
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031315\
Data File : BF077741.D
Acq On : 13 Mar 2015 15:53
Operator : TP/IZ
Sample : G1517-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

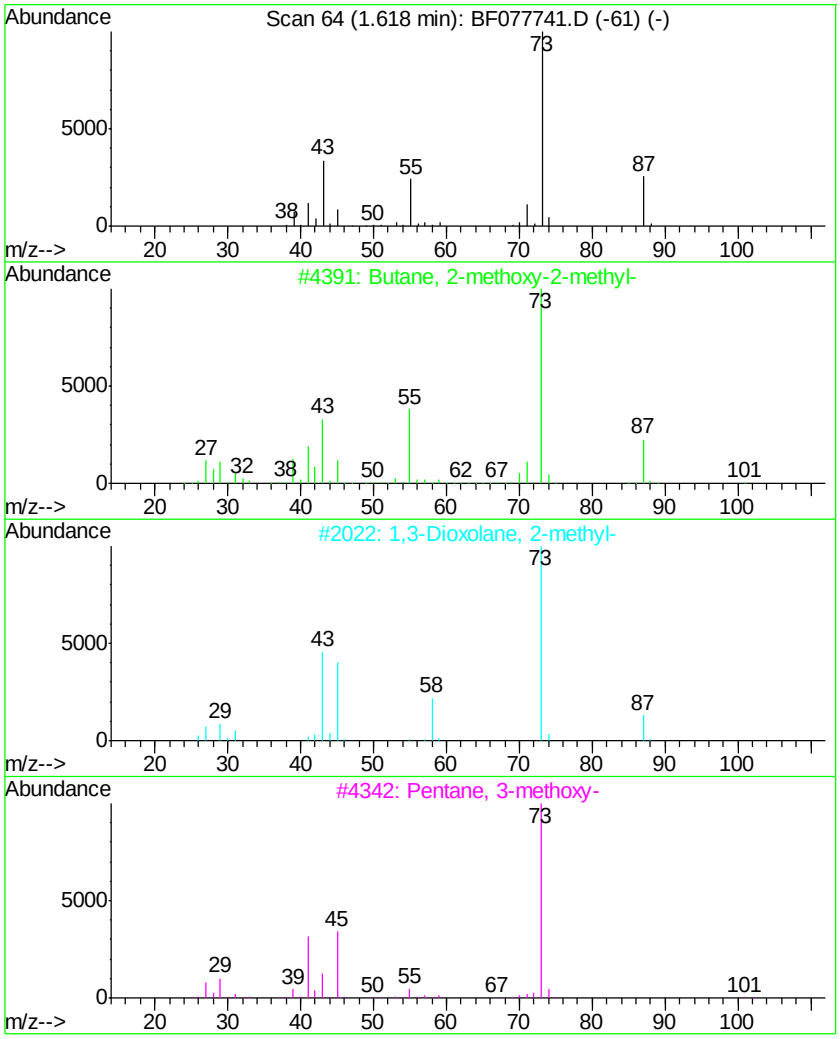
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

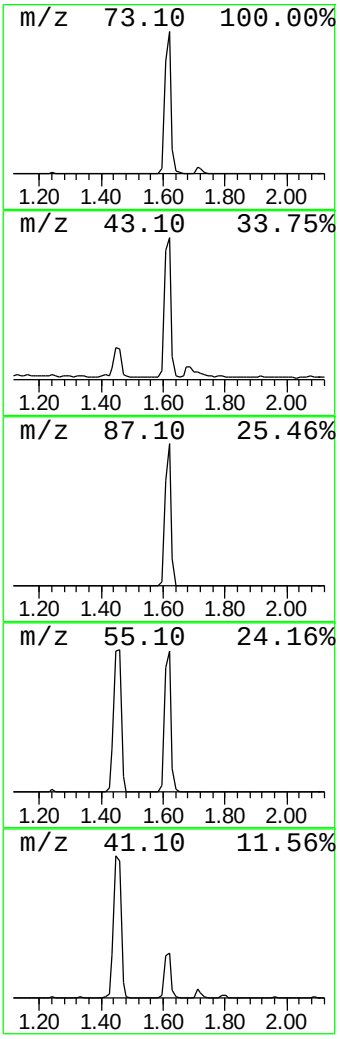
**********

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 1.62 | 23.33 ng | 335124 | 1,4-Dichlorobenzene-d4 | 7.17 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 83 |
| 2 | 1,3-Dioxolane, 2-methyl- | 88 | C4H8O2 | 000497-26-7 | 37 |
| 3 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 23 |
| 4 | Silane, tetramethyl- | 88 | C4H12Si | 000075-76-3 | 17 |
| 5 | Acetamide, N-ethyl- | 87 | C4H9NO | 000625-50-3 | 10 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031315\
Data File : BF077741.D
Acq On : 13 Mar 2015 15:53
Operator : TP/IZ
Sample : G1517-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

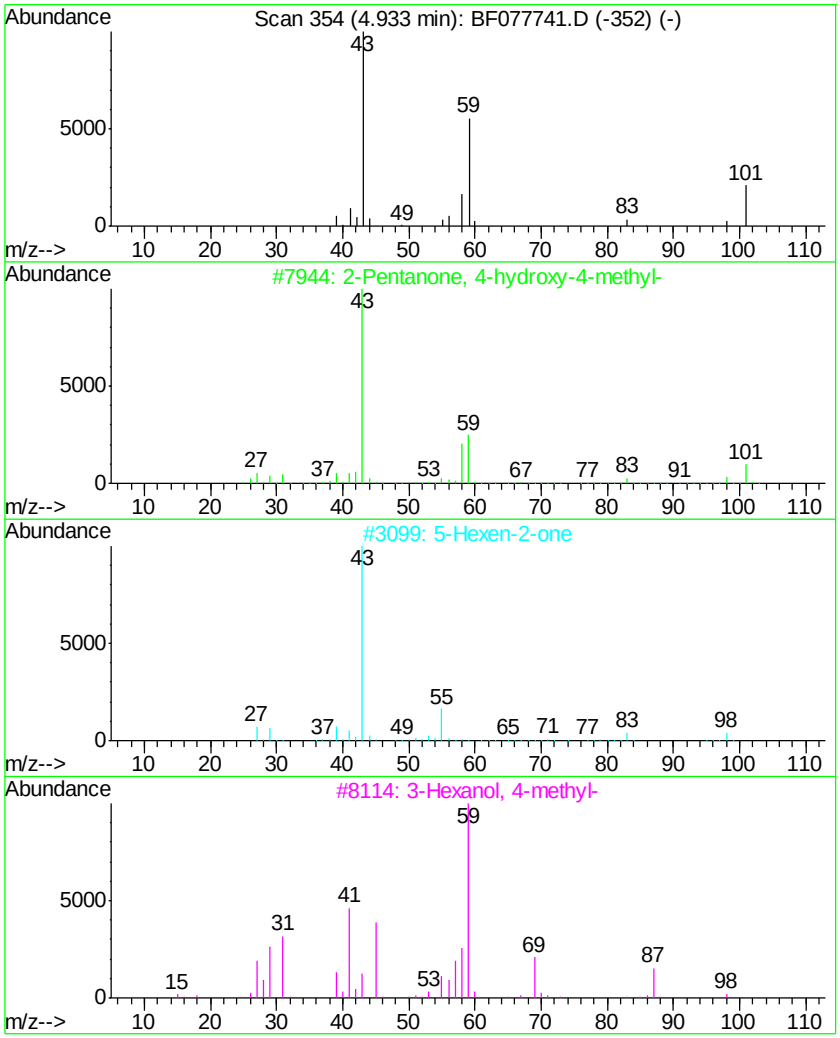
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

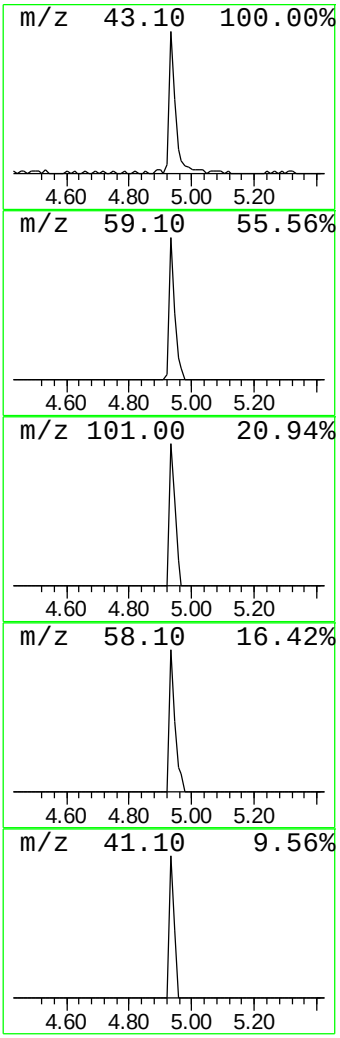
**********

Peak Number 4 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.93 | 2.99 ng | 42915 | 1,4-Dichlorobenzene-d4 | 7.17 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 72 |
| 2 | 5-Hexen-2-one | 98 | C6H10O | 000109-49-9 | 9 |
| 3 | 3-Hexanol, 4-methyl- | 116 | C7H16O | 000615-29-2 | 9 |
| 4 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 9 |
| 5 | 3-Hexanol | 102 | C6H14O | 000623-37-0 | 9 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031315\
Data File : BF077741.D
Acq On : 13 Mar 2015 15:53
Operator : TP/IZ
Sample : G1517-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

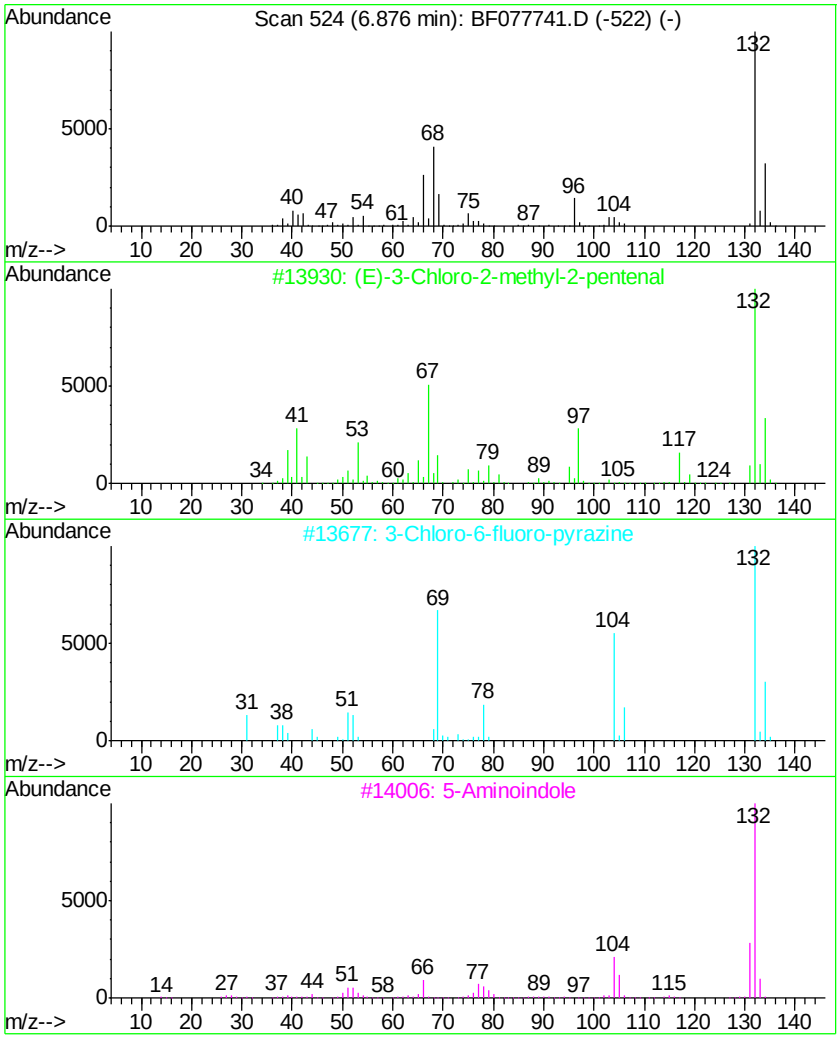
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

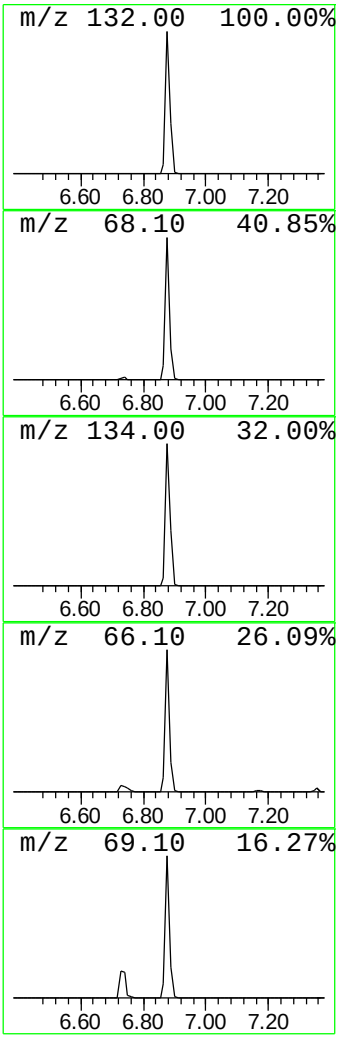
**********

Peak Number 5 unknown6.88 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.88 | 73.45 ng | 1055070 | 1,4-Dichlorobenzene-d4 | 7.17 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 27 |
| 2 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 27 |
| 3 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 12 |
| 4 | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12 | 028749-81-7 | 9 |
| 5 | 4-Chloro-6-fluoro-pyrimidine | 132 | C4H2ClFN2 | 051422-01-6 | 9 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031315\
Data File : BF077741.D
Acq On : 13 Mar 2015 15:53
Operator : TP/IZ
Sample : G1517-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

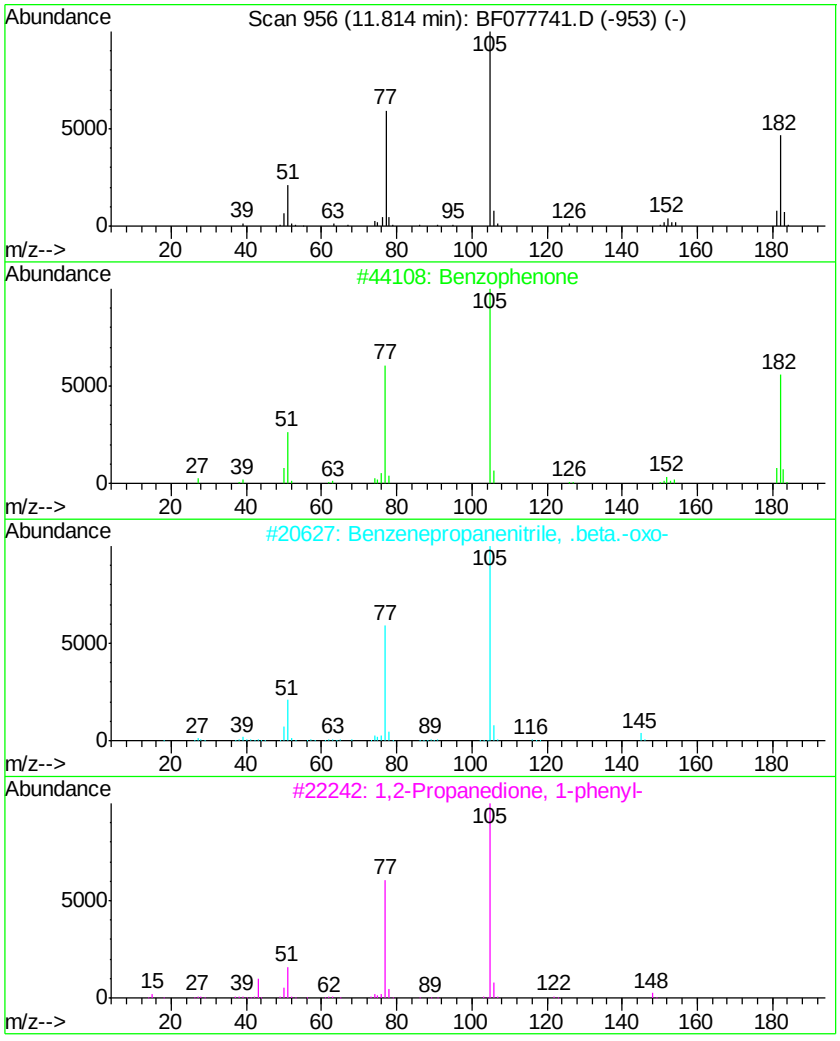
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

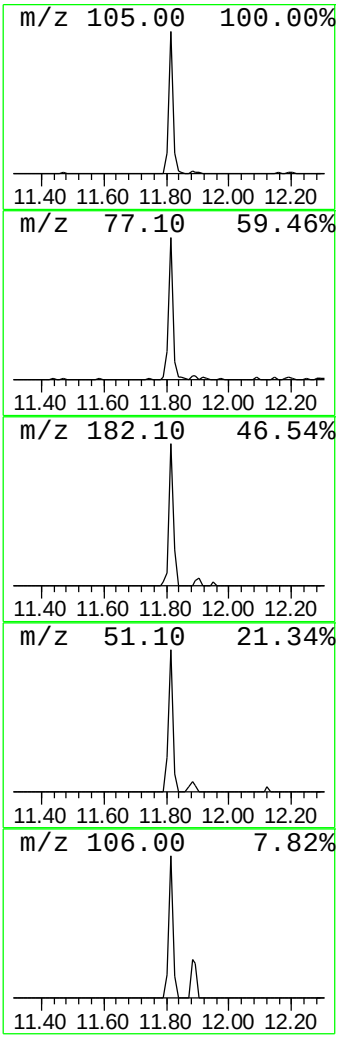
**********

Peak Number 7 Benzophenone Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.81 | 4.74 ng | 116657 | Acenaphthene-d10 | 10.91 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzophenone | 182 | C13H10O | 000119-61-9 | 96 |
| 2 | Benzenepropanenitrile, .beta.-oxo- | 145 | C9H7NO | 000614-16-4 | 47 |
| 3 | 1,2-Propanedione, 1-phenyl- | 148 | C9H8O2 | 000579-07-7 | 47 |
| 4 | 5-[N-Benzoylaminomethyl]tetrazole | 203 | C9H9N5O | 1000227-36-3 | 47 |
| 5 | 1-Propanone, 2-bromo-1-phenyl- | 212 | C9H9BrO | 002114-00-3 | 47 |



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Acq On : 13 Mar 2015 15:53
Operator : TP/IZ
Sample : G1517-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

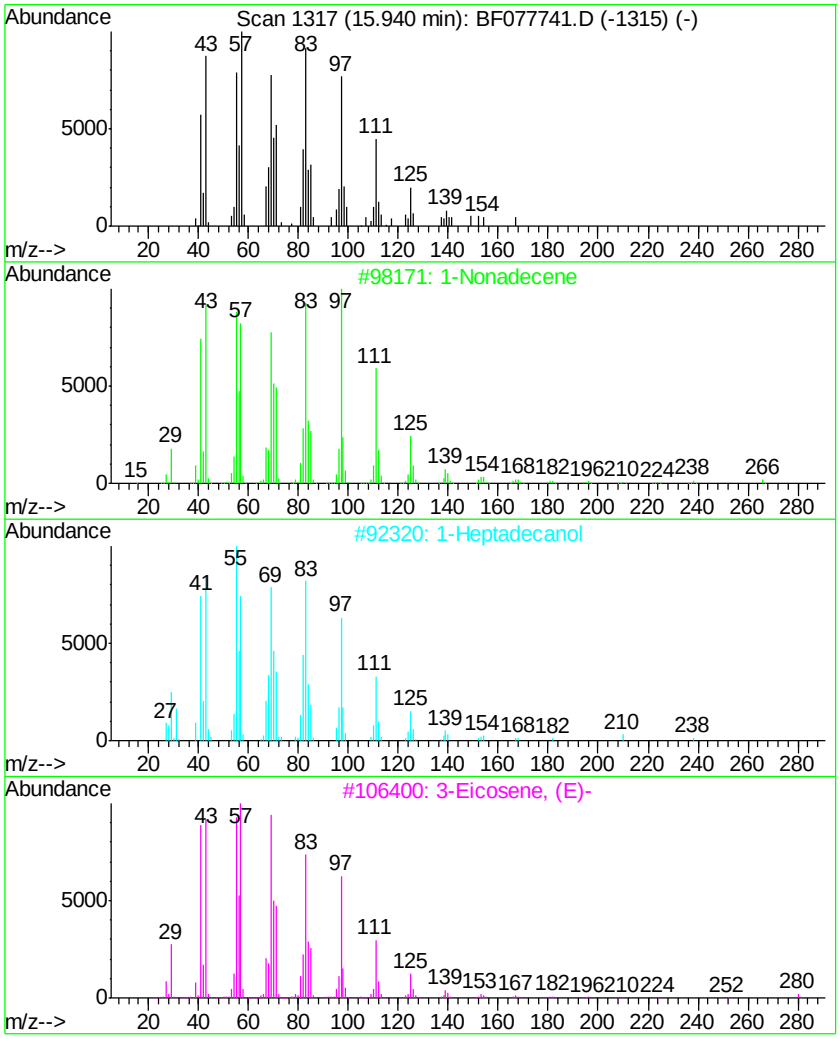
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

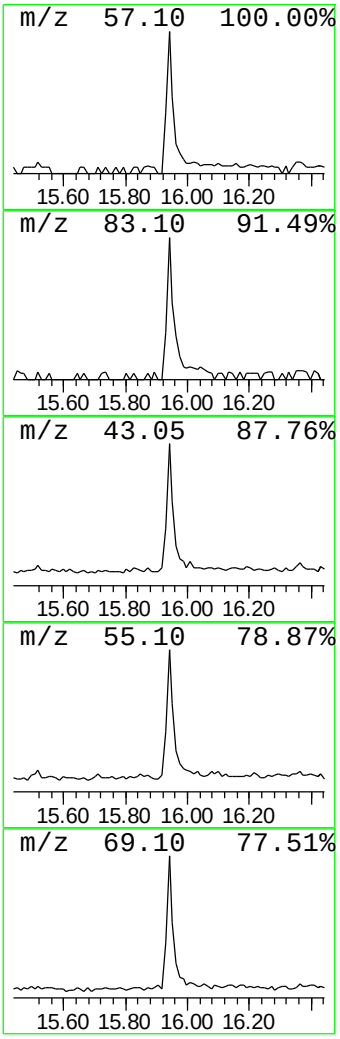
**********

Peak Number 8 1-Nonadecene Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.94 | 4.60 ng | 134241 | Chrysene-d12 | 16.04 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Nonadecene | 266 | C19H38 | 018435-45-5 | 91 |
| 2 | 1-Heptadecanol | 256 | C17H36O | 001454-85-9 | 91 |
| 3 | 3-Eicosene, (E)- | 280 | C20H40 | 074685-33-9 | 90 |
| 4 | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1 | 90 |
| 5 | 9-Eicosene, (E)- | 280 | C20H40 | 074685-29-3 | 90 |



# Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031315\
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Acq On : 13 Mar 2015 15:53
Operator : TP/IZ
Sample : G1517-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Butane, 2-methoxy... | 1.62 | 23.3 | ng | 335124 | 1 | 7.17 | 287293 | 20.0 |
| 2-Pentanone, 4-hy... | 4.93 | 3.0 | ng | 42915 | 1 | 7.17 | 287293 | 20.0 |
| unknown6.88 | 6.88 | 73.5 | ng | 1055070 | 1 | 7.17 | 287293 | 20.0 |
| Benzophenone | 11.81 | 4.7 | ng | 116657 | 3 | 10.91 | 492188 | 20.0 |
| 1-Nonadecene | 15.94 | 4.6 | ng | 134241 | 5 | 16.04 | 583144 | 20.0 |