LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010616\
Data File : BF084299.D
Acq On : 6 Jan 2016 19:43
Operator : SJ/UM
Sample : H1017-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** W-20

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-BF123115.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 | 5.047 | 256 | 259 | 264 | rVV | 682384 | 738966 | 9.38% | 1.251% |
| 2 | 5.127 | 264 | 266 | 269 | rVB | 131594 | 143249 | 1.82% | 0.243% |
| 3 | 5.470 | 294 | 296 | 299 | rVB | 3091808 | 3654820 | 46.38% | 6.189% |
| 4 | 6.510 | 384 | 387 | 389 | rBV | 2118019 | 2570326 | 32.62% | 4.353% |
| 5 | 6.636 | 395 | 398 | 400 | rBV | 6071302 | 5806972 | 73.69% | 9.834% |
| 6 | 6.865 | 416 | 418 | 422 | rBV | 2066930 | 1754762 | 22.27% | 2.972% |
| 7 | 7.025 | 429 | 432 | 434 | rVB | 6716934 | 5812464 | 73.76% | 9.843% |
| 8 | 7.276 | 451 | 454 | 459 | rVB5 | 41645 | 89215 | 1.13% | 0.151% |
| 9 | 7.436 | 465 | 468 | 470 | rBV | 5255318 | 5361377 | 68.04% | 9.079% |
| 10 | 7.539 | 474 | 477 | 479 | rBV2 | 48002 | 118047 | 1.50% | 0.200% |
| 11 | 8.156 | 528 | 531 | 533 | rVB | 2347368 | 2270345 | 28.81% | 3.845% |
| 12 | 9.230 | 622 | 625 | 628 | rBV | 7908489 | 7879805 | 100.00% | 13.344% |
| 13 | 9.619 | 656 | 659 | 662 | rBV | 154104 | 225158 | 2.86% | 0.381% |
| 14 | 9.905 | 682 | 684 | 687 | rVB | 2734441 | 2397006 | 30.42% | 4.059% |
| 15 | 10.271 | 708 | 716 | 719 | rBV2 | 139946 | 725763 | 9.21% | 1.229% |
| 16 | 10.339 | 721 | 722 | 724 | rVB | 159658 | 141834 | 1.80% | 0.240% |
| 17 | 10.556 | 738 | 741 | 745 | rBV3 | 208458 | 282507 | 3.59% | 0.478% |
| 18 | 10.693 | 750 | 753 | 756 | rBV2 | 4352862 | 5105264 | 64.79% | 8.645% |
| 19 | 10.751 | 756 | 758 | 759 | rVV | 139816 | 177504 | 2.25% | 0.301% |
| 20 | 10.808 | 760 | 763 | 768 | rVB3 | 129511 | 314464 | 3.99% | 0.533% |
| 21 | 11.265 | 800 | 803 | 809 | rVB3 | 142531 | 264773 | 3.36% | 0.448% |
| 22 | 11.391 | 811 | 814 | 816 | rBV | 2841093 | 2371834 | 30.10% | 4.016% |
| 23 | 12.099 | 874 | 876 | 878 | rBV | 157496 | 169851 | 2.16% | 0.288% |
| 24 | 12.865 | 941 | 943 | 945 | rBV | 124976 | 125656 | 1.59% | 0.213% |
| 25 | 12.979 | 950 | 953 | 956 | rVV | 6167012 | 6773510 | 85.96% | 11.470% |
| 26 | 14.020 | 1042 | 1044 | 1047 | rBV | 1515162 | 2016643 | 25.59% | 3.415% |
| 27 | 14.534 | 1088 | 1089 | 1098 | rVB7 | 83385 | 124065 | 1.57% | 0.210% |
| 28 | 14.660 | 1098 | 1100 | 1103 | rVB2 | 53841 | 83756 | 1.06% | 0.142% |
| 29 | 15.460 | 1166 | 1170 | 1172 | rBV | 1010888 | 1552473 | 19.70% | 2.629% |

Sum of corrected areas: 59052409

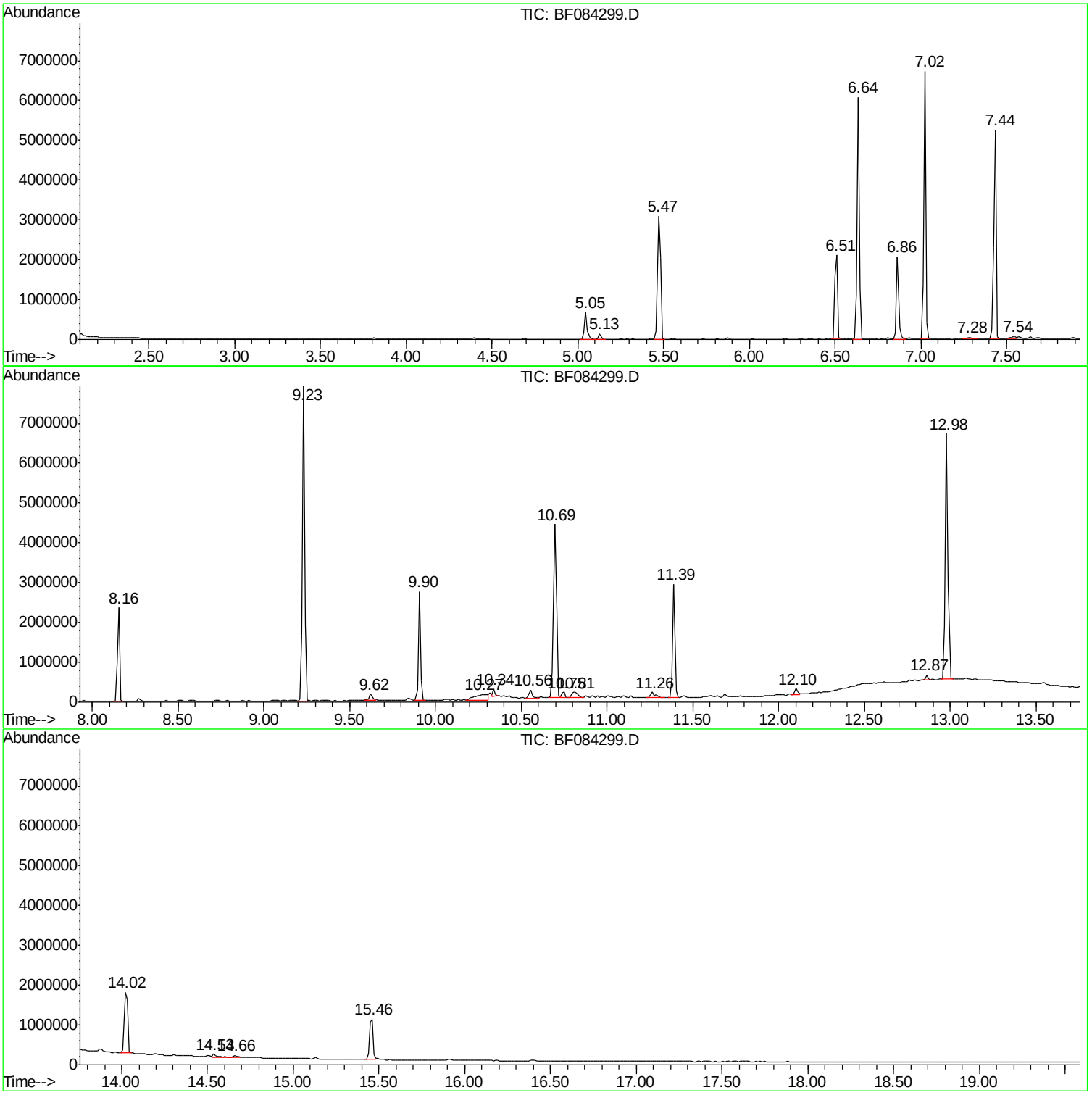
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010616\
Data File : BF084299.D
Acq On : 6 Jan 2016 19:43
Operator : SJ/UM
Sample : H1017-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** W-20

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010616\
Data File : BF084299.D
Acq On : 6 Jan 2016 19:43
Operator : SJ/UM
Sample : H1017-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** W-20

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

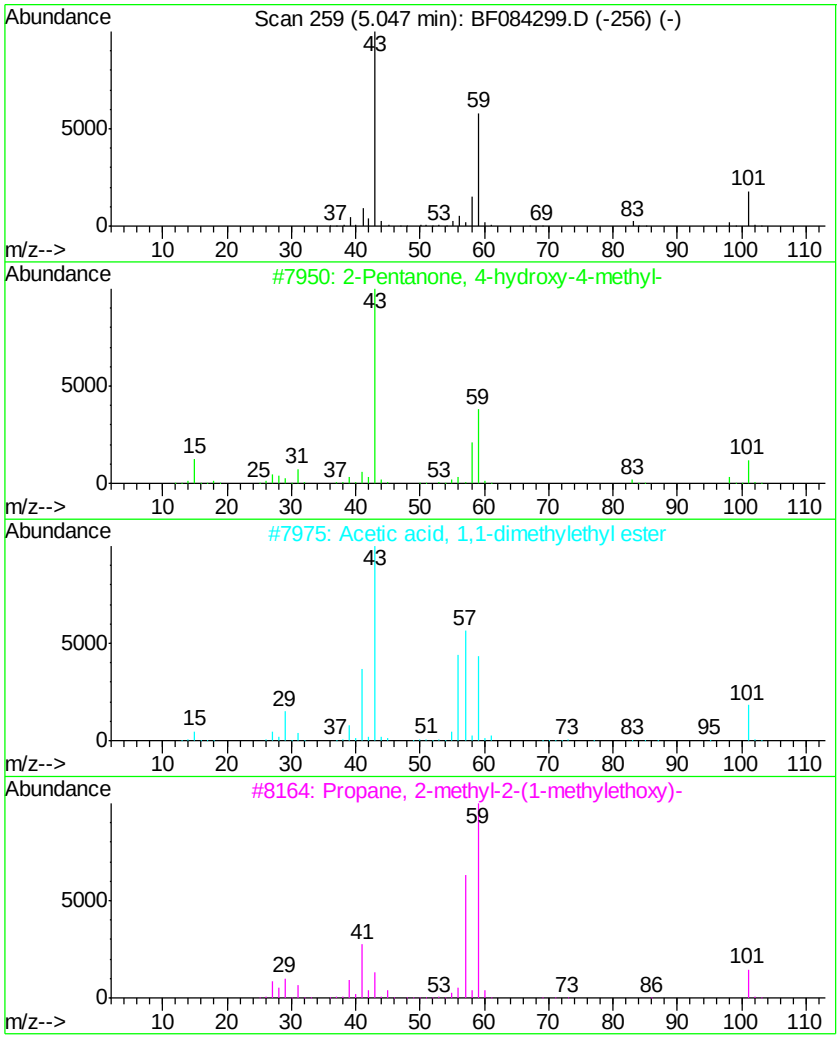
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

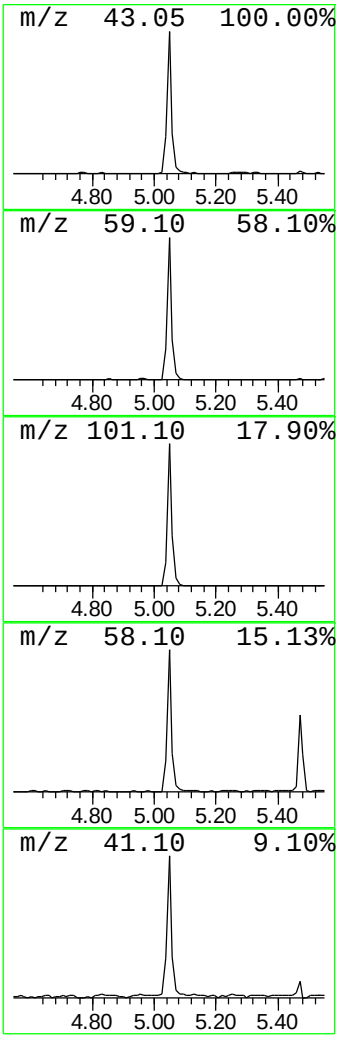
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.05 | 8.42 ng | 738966 | 1,4-Dichlorobenzene-d4 | 6.86 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 59 |
| 2 | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 39 |
| 3 | Propane, 2-methyl-2-(1-methyleth... | 116 | C7H16O | 017348-59-3 | 36 |
| 4 | 3-Hexanol, 4-methyl- | 116 | C7H16O | 000615-29-2 | 33 |
| 5 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 23 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF010616\
Data File : BF084299.D
Acq On : 6 Jan 2016 19:43
Operator : SJ/UM
Sample : H1017-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** W-20

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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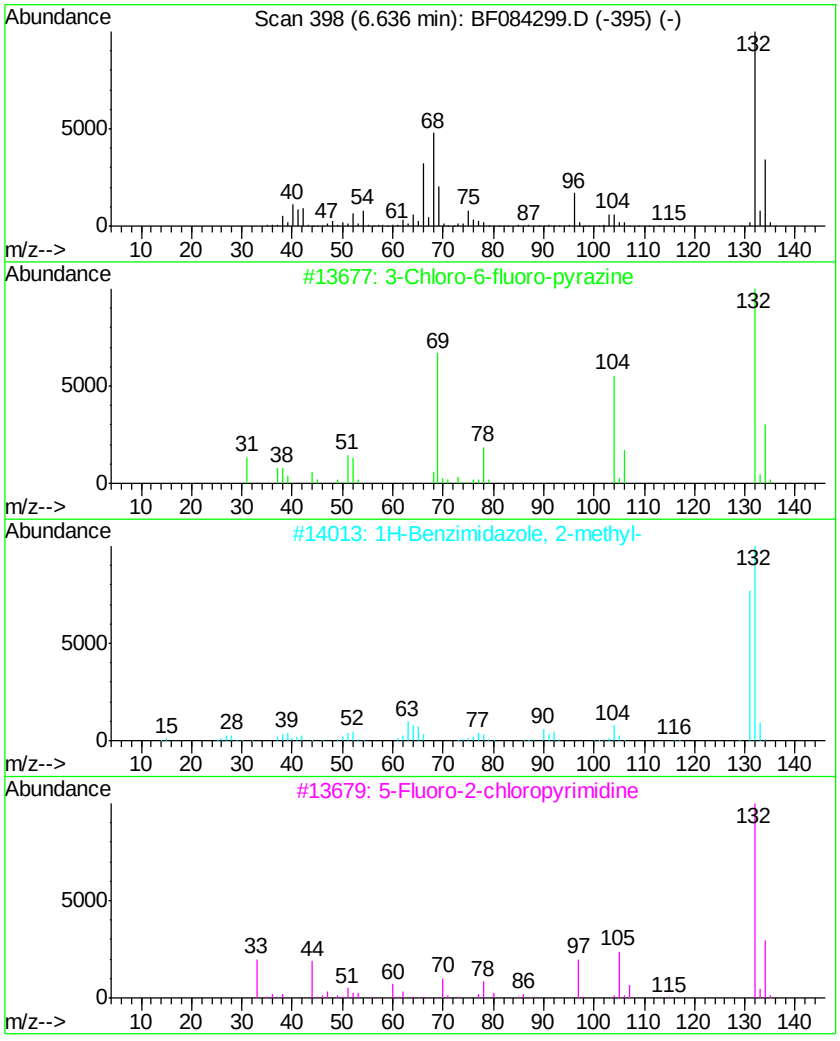
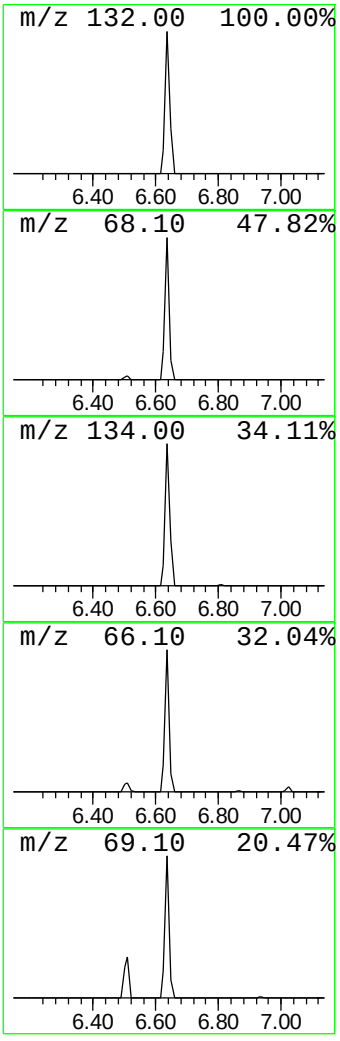
Peak Number 2 unknown6.64 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.64 | 66.19 ng | 5806970 | 1,4-Dichlorobenzene-d4 | 6.86 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 27 |
| 2 | 1H-Benzimidazole, 2-methyl- | 132 | C8H8N2 | 000615-15-6 | 22 |
| 3 | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0 | 16 |
| 4 | (5-METHYL-2-PYRIDYL)ACETONITRILE | 132 | C8H8N2 | 1000241-93-9 | 10 |
| 5 | 1,2,3-Trifluorobenzene | 132 | C6H3F3 | 001489-53-8 | 9 |



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Data File : BF084299.D
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Operator : SJ/UM
Sample : H1017-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** W-20

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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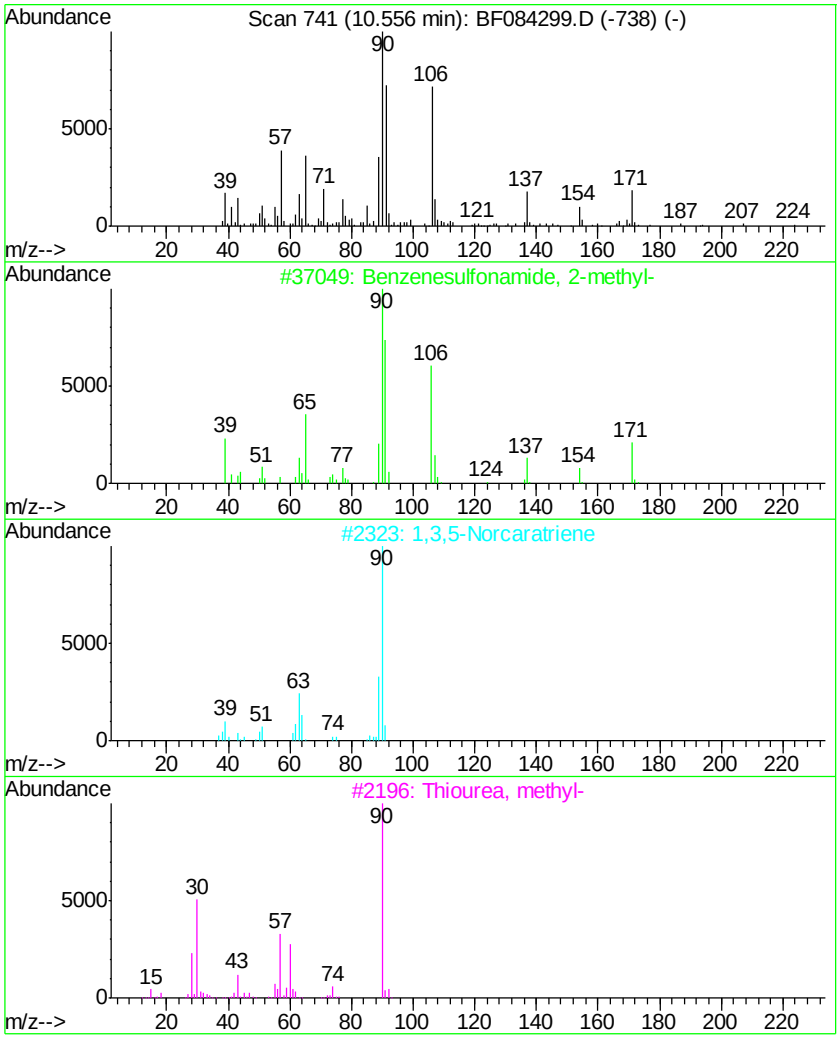
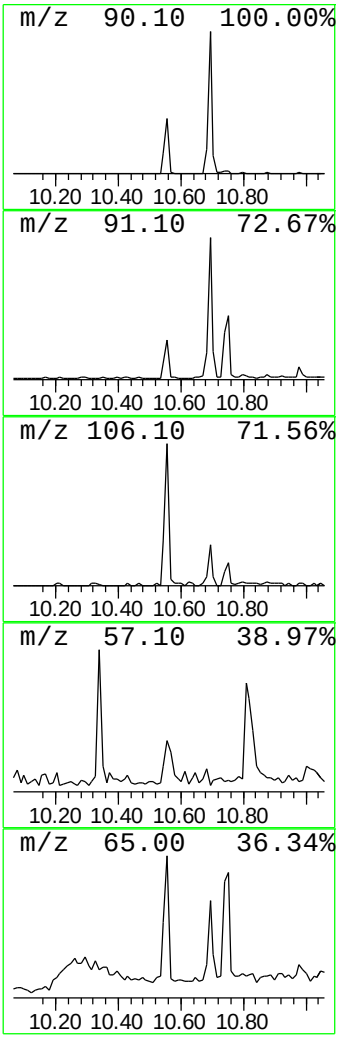
Peak Number 5 Benzenesulfonamide, 2-methyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.56 | 2.36 ng | 282507 | Acenaphthene-d10 | 9.90 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzenesulfonamide, 2-methyl- | 171 | C7H9NO2S | 000088-19-7 | 96 |
| 2 | 1,3,5-Norcaratriene | 90 | C7H6 | 004646-69-9 | 53 |
| 3 | Thiourea, methyl- | 90 | C2H6N2S | 000598-52-7 | 50 |
| 4 | Nitroethene, 2-(2,4-dibenzyloxy)... | 361 | C22H19NO4 | 1000223-52-0 | 36 |
| 5 | Benzyl cyanoformate | 161 | C9H7NO2 | 005532-86-5 | 36 |



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Operator : SJ/UM
Sample : H1017-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** W-20

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

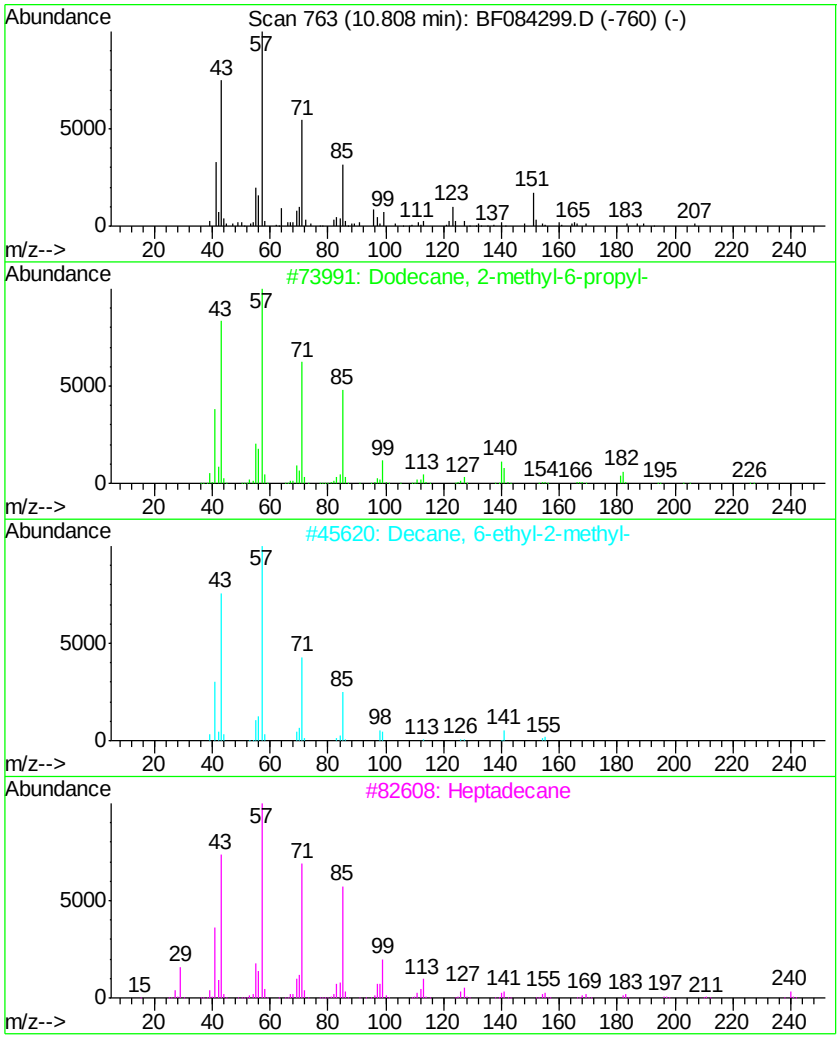
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

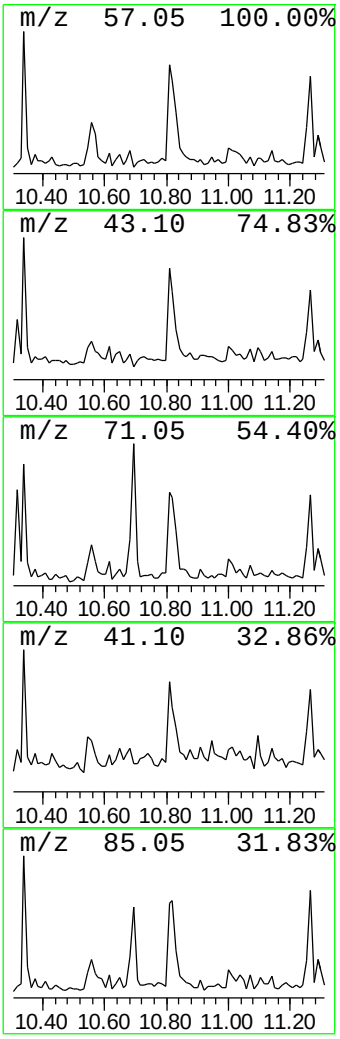
**********

Peak Number 6 Dodecane, 2-methyl-6-propyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.81 | 2.65 ng | 314464 | Phenanthrene-d10 | 11.39 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dodecane, 2-methyl-6-propyl- | 226 | C16H34 | 055045-08-4 | 58 |
| 2 | Decane, 6-ethyl-2-methyl- | 184 | C13H28 | 062108-21-8 | 58 |
| 3 | Heptadecane | 240 | C17H36 | 000629-78-7 | 53 |
| 4 | Heneicosane | 296 | C21H44 | 000629-94-7 | 53 |
| 5 | Dodecane, 3-methyl- | 184 | C13H28 | 017312-57-1 | 53 |



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Data File : BF084299.D
Acq On : 6 Jan 2016 19:43
Operator : SJ/UM
Sample : H1017-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** W-20

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

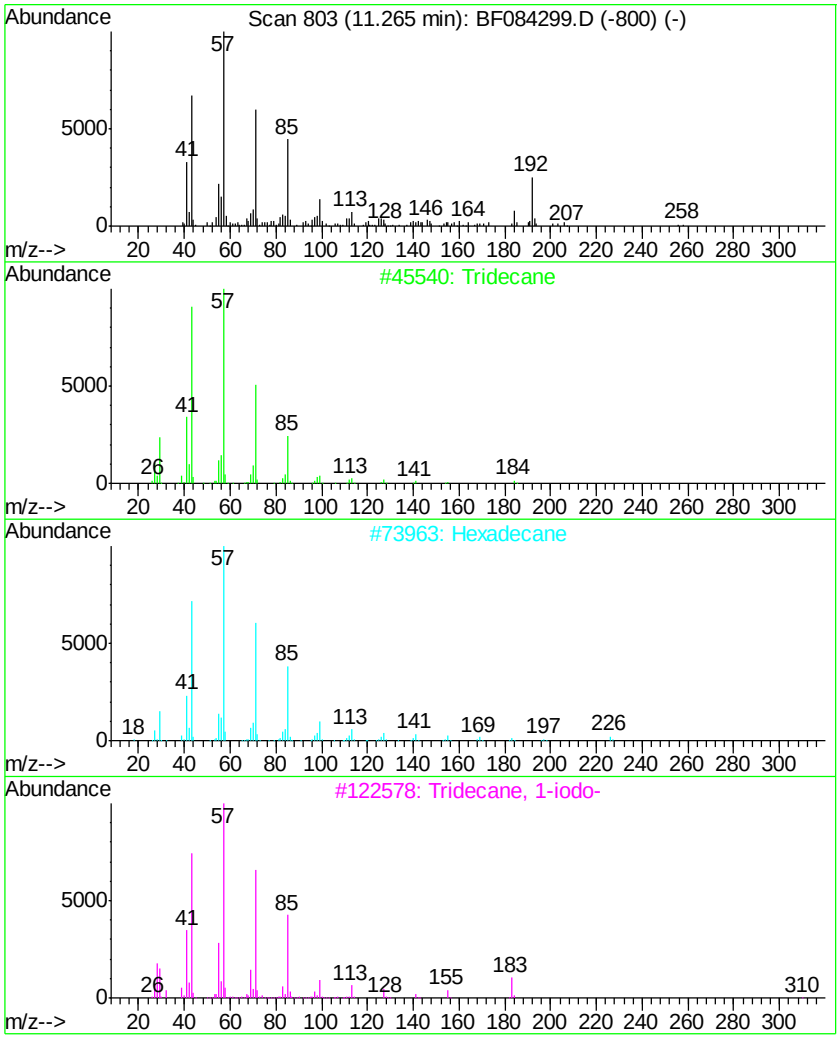
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

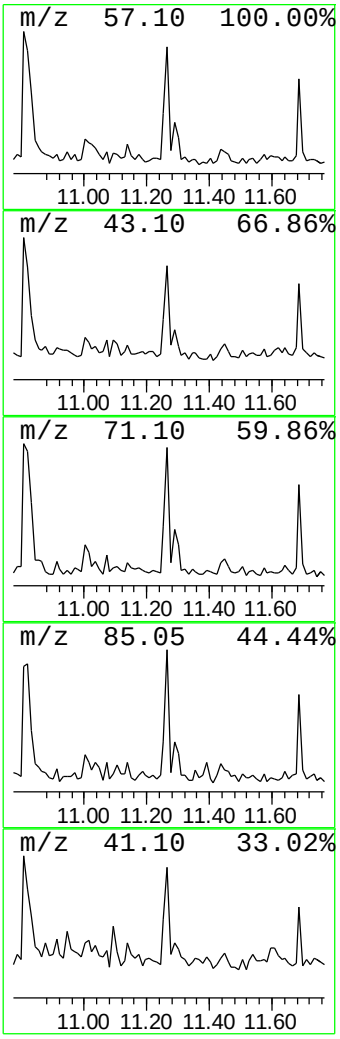
**********

Peak Number 7 Tridecane Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.27 | 2.23 ng | 264773 | Phenanthrene-d10 | 11.39 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tridecane | 184 | C13H28 | 000629-50-5 | 76 |
| 2 | Hexadecane | 226 | C16H34 | 000544-76-3 | 64 |
| 3 | Tridecane, 1-iodo- | 310 | C13H27I | 035599-77-0 | 64 |
| 4 | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44 | 054833-48-6 | 62 |
| 5 | Pentadecane | 212 | C15H32 | 000629-62-9 | 58 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010616\
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Acq On : 6 Jan 2016 19:43
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Misc :
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**Instrument :** BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| 2-Pentanone, 4-hy... | 5.05 | 8.4 | ng | 738966 | 1 | 6.86 | 1754760 | 20.0 |
| unknown6.64 | 6.64 | 66.2 | ng | 5806970 | 1 | 6.86 | 1754760 | 20.0 |
| Benzenesulfonamid... | 10.56 | 2.4 | ng | 282507 | 3 | 9.90 | 2397010 | 20.0 |
| Dodecane, 2-methy... | 10.81 | 2.6 | ng | 314464 | 4 | 11.39 | 2371830 | 20.0 |
| Tridecane | 11.27 | 2.2 | ng | 264773 | 4 | 11.39 | 2371830 | 20.0 |