LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062516\
Data File : BF088396.D
Acq On : 26 Jun 2016 2:40
Operator : UM/SJ
Sample : H3745-06
Misc :
ALS Vial : 44 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-11-COMP

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-BF060716.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 | 1.701 | 8 | 10 | 52 | rVB | 798030 | 1755525 | 100.00% | 12.389% |
| 2 | 2.684 | 94 | 96 | 106 | rBV | 12463 | 53749 | 3.06% | 0.379% |
| 3 | 4.684 | 269 | 271 | 284 | rBV | 39039 | 85154 | 4.85% | 0.601% |
| 4 | 5.141 | 310 | 311 | 336 | rBV5 | 944785 | 1372637 | 78.19% | 9.687% |
| 5 | 6.227 | 403 | 406 | 413 | rBV | 1173798 | 1349527 | 76.87% | 9.524% |
| 6 | 6.330 | 413 | 415 | 433 | rVB | 1436930 | 1455189 | 82.89% | 10.270% |
| 7 | 6.559 | 433 | 435 | 445 | rBV | 312677 | 349155 | 19.89% | 2.464% |
| 8 | 6.719 | 447 | 449 | 451 | rBV | 787900 | 1092185 | 62.21% | 7.708% |
| 9 | 7.130 | 484 | 485 | 502 | rBV | 521083 | 874530 | 49.82% | 6.172% |
| 10 | 7.850 | 546 | 548 | 550 | rBV | 379378 | 439061 | 25.01% | 3.099% |
| 11 | 8.925 | 639 | 642 | 644 | rBV | 1685547 | 1535149 | 87.45% | 10.834% |
| 12 | 9.325 | 675 | 677 | 681 | rVB | 116708 | 97385 | 5.55% | 0.687% |
| 13 | 9.588 | 698 | 700 | 703 | rBV | 528259 | 497668 | 28.35% | 3.512% |
| 14 | 10.376 | 767 | 769 | 779 | rBV | 701504 | 768181 | 43.76% | 5.421% |
| 15 | 10.502 | 779 | 780 | 787 | rVB | 27859 | 46571 | 2.65% | 0.329% |
| 16 | 10.948 | 817 | 819 | 821 | rBV | 36945 | 34783 | 1.98% | 0.245% |
| 17 | 11.062 | 827 | 829 | 834 | rBV | 361234 | 413006 | 23.53% | 2.915% |
| 18 | 11.131 | 834 | 835 | 839 | rVB2 | 13132 | 18181 | 1.04% | 0.128% |
| 19 | 11.371 | 855 | 856 | 859 | rVB | 18975 | 17669 | 1.01% | 0.125% |
| 20 | 12.479 | 952 | 953 | 957 | rBV | 18846 | 18319 | 1.04% | 0.129% |
| 21 | 12.651 | 965 | 968 | 970 | rBV | 815521 | 1077425 | 61.37% | 7.604% |
| 22 | 13.565 | 1045 | 1048 | 1055 | rBV | 25894 | 57182 | 3.26% | 0.404% |
| 23 | 13.691 | 1056 | 1059 | 1065 | rVV | 365679 | 382349 | 21.78% | 2.698% |
| 24 | 14.445 | 1122 | 1125 | 1129 | rBV2 | 28352 | 35477 | 2.02% | 0.250% |
| 25 | 15.040 | 1175 | 1177 | 1185 | rBV | 225816 | 303338 | 17.28% | 2.141% |
| 26 | 15.817 | 1242 | 1245 | 1251 | rVB2 | 7508 | 18740 | 1.07% | 0.132% |
| 27 | 16.331 | 1288 | 1290 | 1293 | rVB2 | 12461 | 21495 | 1.22% | 0.152% |

Sum of corrected areas: 14169630

LSC Report - Integrated Chromatogram

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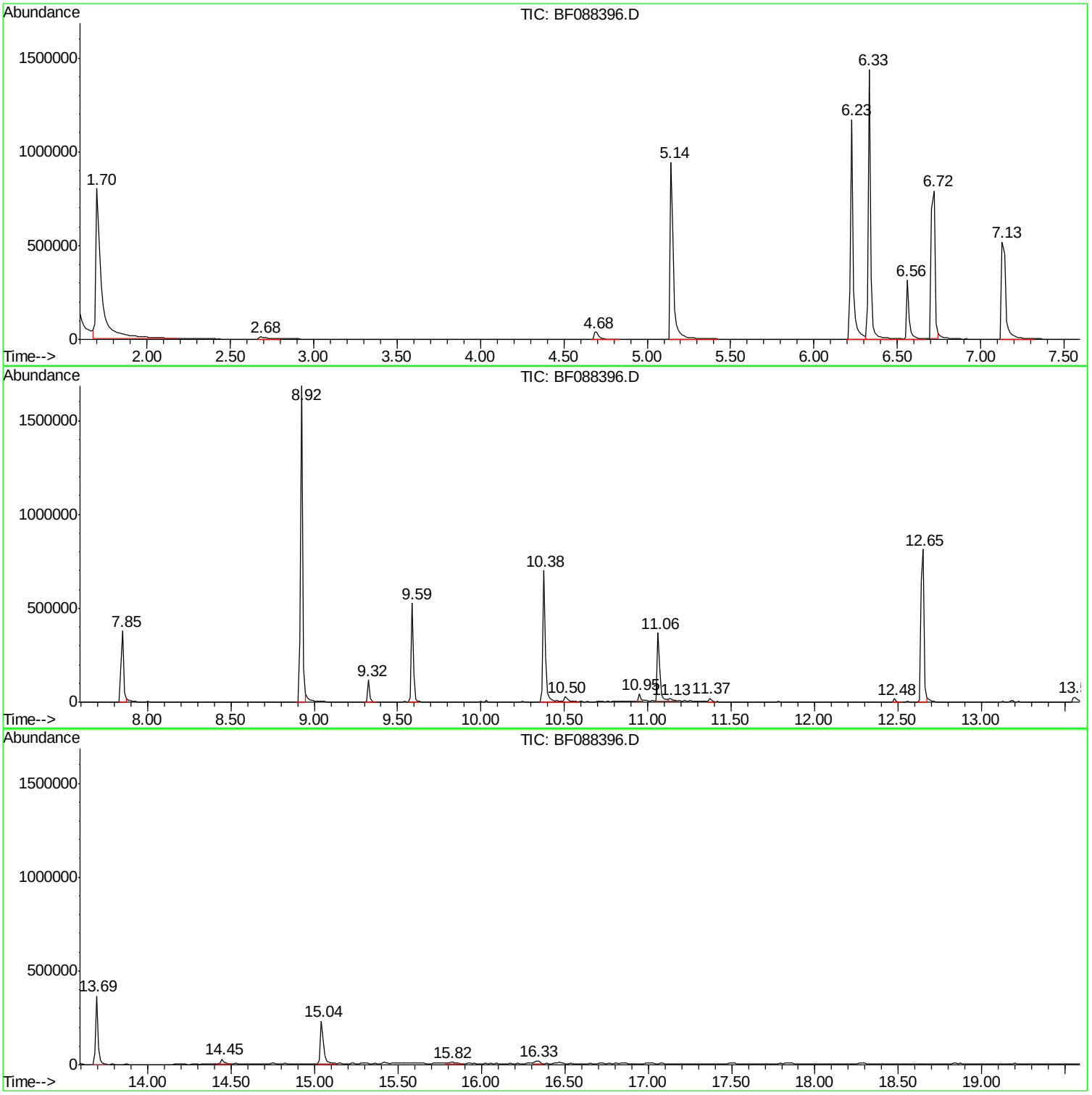
ALS Vial : 44 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-11-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.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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TIC Integration Parameters: LSCINT.P

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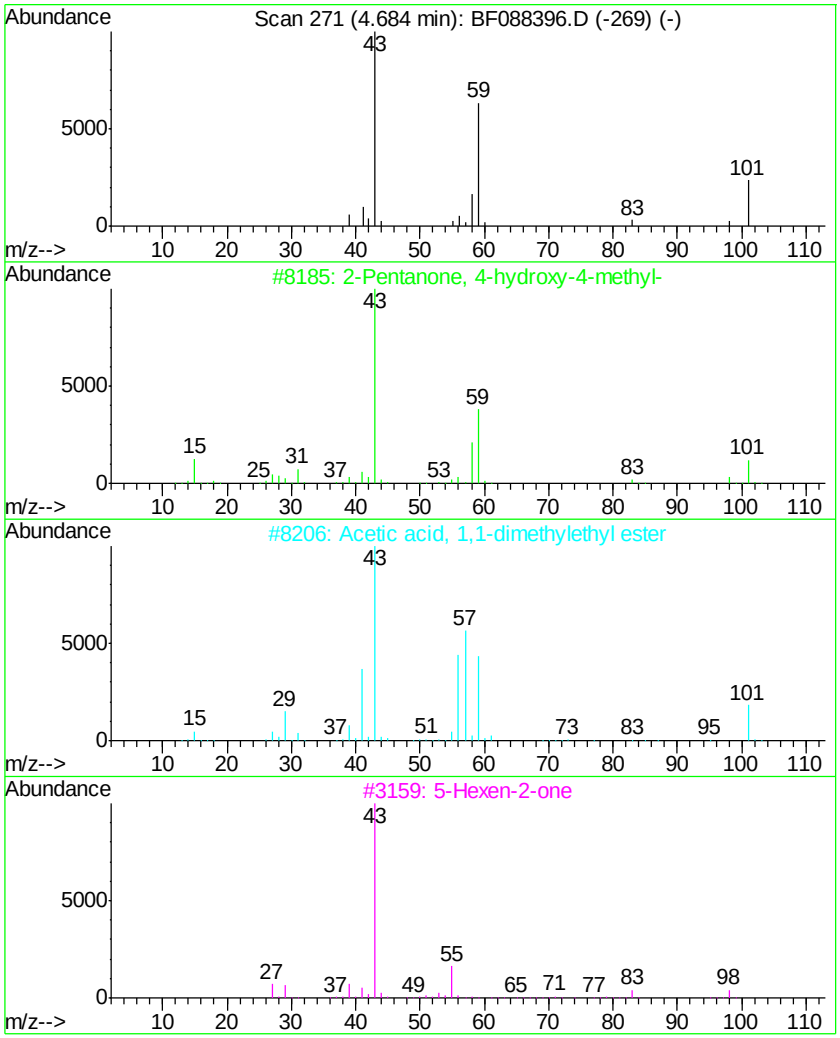
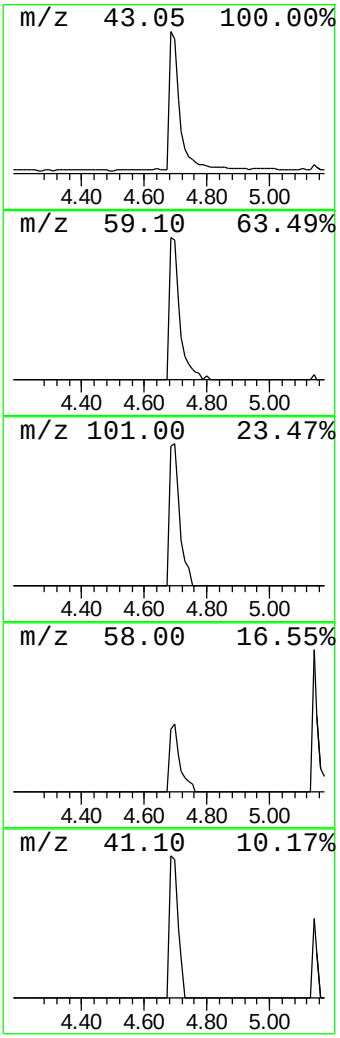
Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.68 | 4.88 ng | 85154 | 1,4-Dichlorobenzene-d4 | 6.56 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 56 |
| 2 | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 39 |
| 3 | 5-Hexen-2-one | 98 | C6H10O | 000109-49-9 | 9 |
| 4 | 3-Hexanol, 4-methyl- | 116 | C7H16O | 000615-29-2 | 9 |
| 5 | 1-Propen-2-ol, acetate | 100 | C5H8O2 | 000108-22-5 | 9 |



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Sample : H3745-06
Misc :
ALS Vial : 44 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-11-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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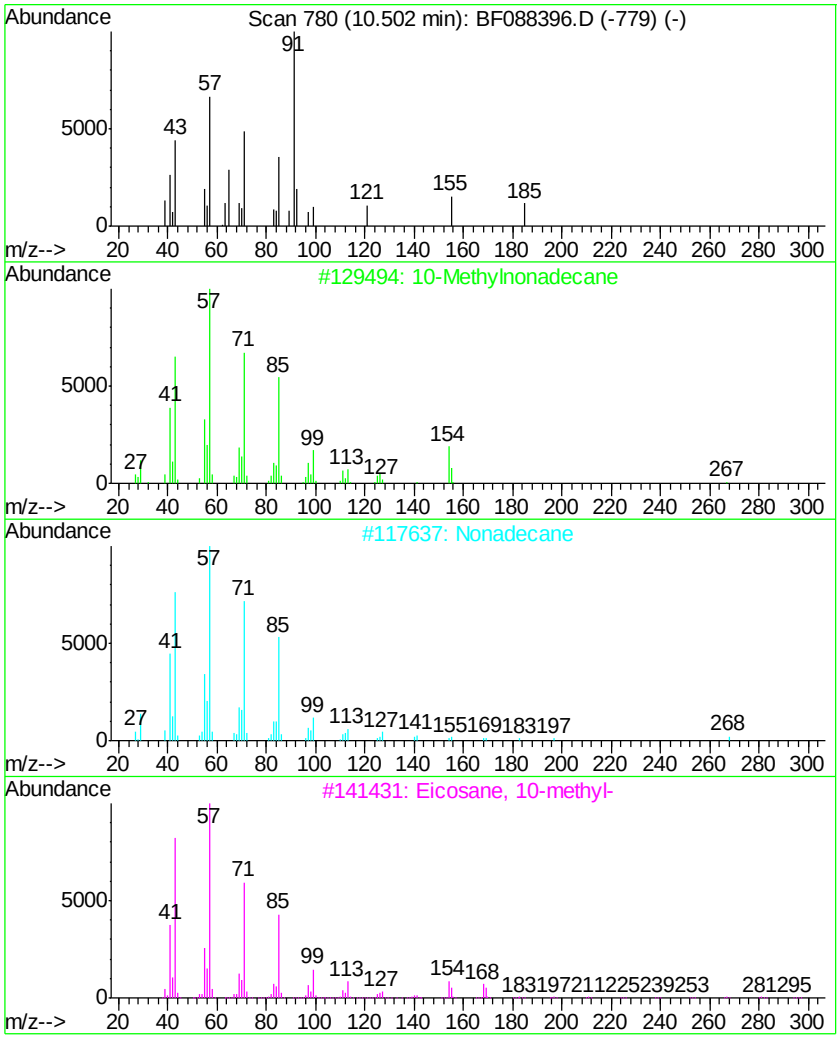
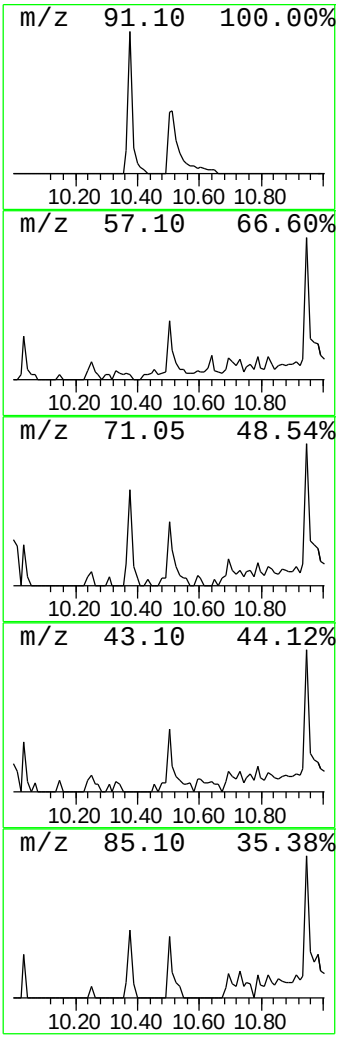
Peak Number 6 unknown10.50 Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.50 | 2.26 ng | 46571 | Phenanthrene-d10 | 11.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 10-Methylnonadecane | 282 | C20H42 | 056862-62-5 | 43 |
| 2 | Nonadecane | 268 | C19H40 | 000629-92-5 | 38 |
| 3 | Eicosane, 10-methyl- | 296 | C21H44 | 054833-23-7 | 38 |
| 4 | 2-methyloctacosane | 408 | C29H60 | 1000376-72-8 | 38 |
| 5 | Hexacosane | 366 | C26H54 | 000630-01-3 | 38 |



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Sample : H3745-06
Misc :
ALS Vial : 44 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-11-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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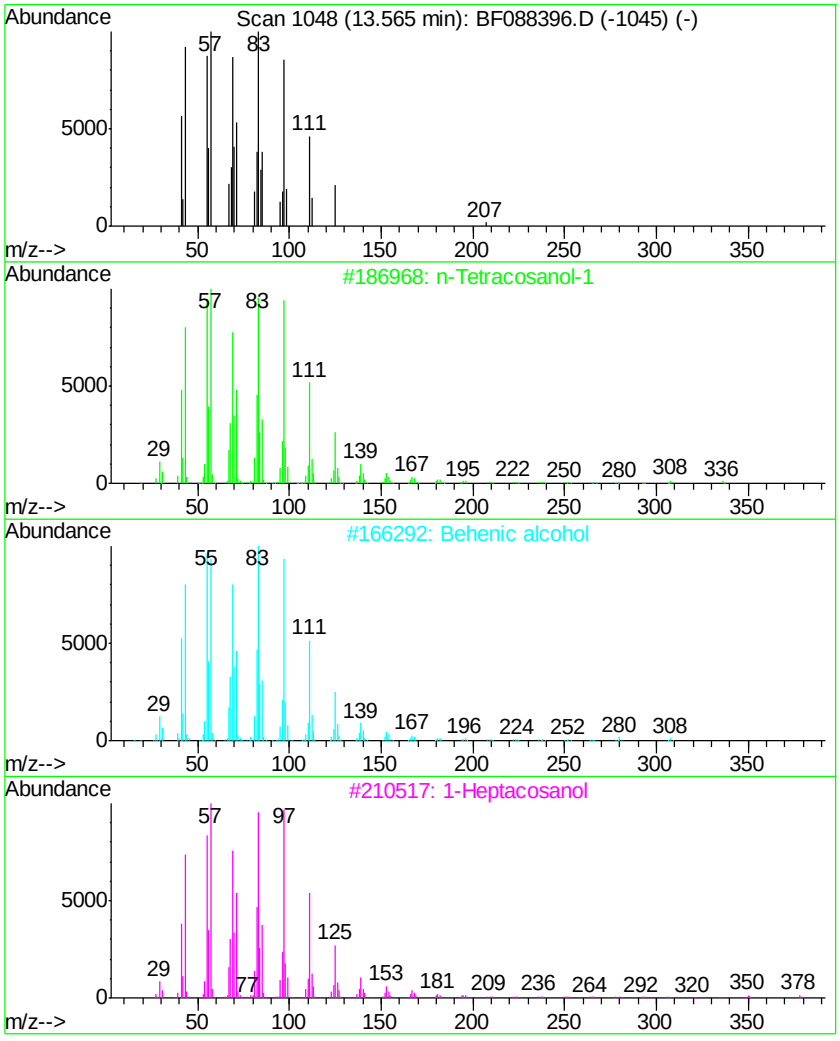
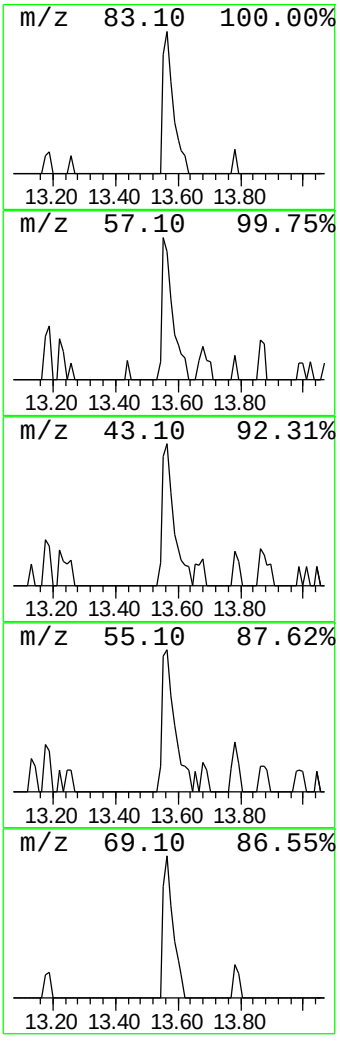
Peak Number 7 n-Tetracosanol-1 Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.57 | 2.99 ng | 57182 | Chrysene-d12 | 13.69 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Tetracosanol-1 | 354 | C24H50O | 000506-51-4 | 95 |
| 2 | Behenic alcohol | 326 | C22H46O | 000661-19-8 | 94 |
| 3 | 1-Heptacosanol | 396 | C27H56O | 002004-39-9 | 94 |
| 4 | 11-Tricosene | 322 | C23H46 | 052078-56-5 | 91 |
| 5 | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1 | 91 |



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ALS Vial : 44 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-11-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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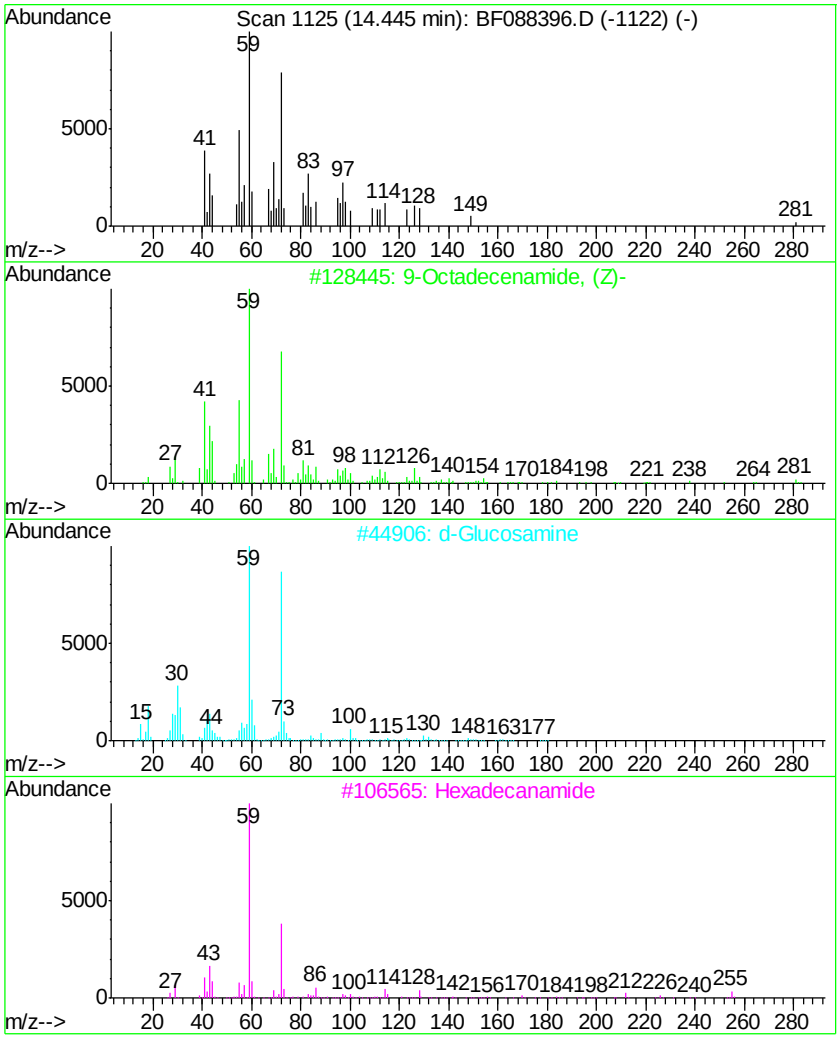
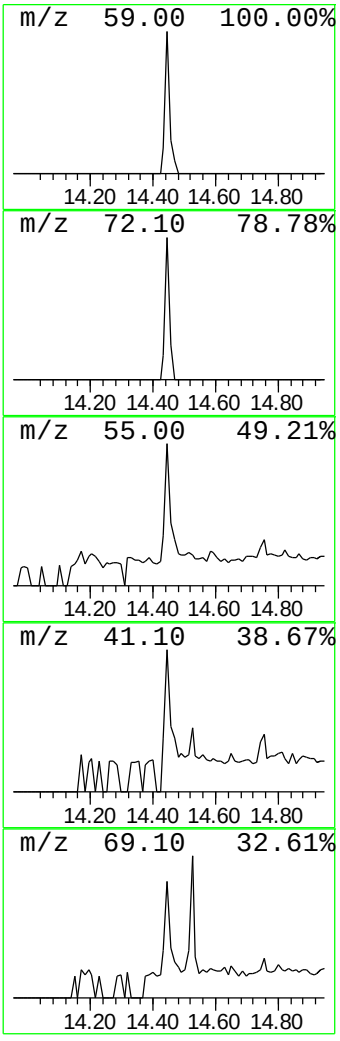
Peak Number 8 9-Octadecenamide, (Z)- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.45 | 2.34 ng | 35477 | Perylene-d12 | 15.04 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9-Octadecenamide, (Z)- | 281 | C18H35NO | 000301-02-0 | 91 |
| 2 | d-Glucosamine | 179 | C6H13NO5 | 000090-77-7 | 47 |
| 3 | Hexadecanamide | 255 | C16H33NO | 000629-54-9 | 40 |
| 4 | Tetradecanamide | 227 | C14H29NO | 000638-58-4 | 35 |
| 5 | 3-Hexadecanol | 242 | C16H34O | 000593-03-3 | 35 |



# Tentatively Identified Compound (LSC) summary

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Misc :
ALS Vial : 44 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-11-COMP

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

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| 2-Pentanone, 4-hy... | 4.68 | 4.9 | ng | 85154 | 1 | 6.56 | 349155 | 20.0 |
| unknown10.50 | 10.50 | 2.3 | ng | 46571 | 4 | 11.06 | 413006 | 20.0 |
| n-Tetracosanol-1 | 13.57 | 3.0 | ng | 57182 | 5 | 13.69 | 382349 | 20.0 |
| 9-Octadecenamide,... | 14.45 | 2.3 | ng | 35477 | 6 | 15.04 | 303338 | 20.0 |