LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061716\
Data File : BG022444.D
Acq On : 19 Jun 2016 4:38
Operator : UM/SJ
Sample : H3489-07
Misc :
ALS Vial : 53 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** S7-B5(6-12)C

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_G\METHODS\8270-BG060616.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 | 2.870 | 3 | 5 | 27 | rVB | 1536487 | 2353325 | 100.00% | 15.095% |
| 2 | 5.108 | 380 | 386 | 395 | rVB | 34137 | 64241 | 2.73% | 0.412% |
| 3 | 5.608 | 463 | 471 | 486 | rBV | 539824 | 1031482 | 43.83% | 6.616% |
| 4 | 7.241 | 740 | 749 | 761 | rBV | 579993 | 1172755 | 49.83% | 7.522% |
| 5 | 7.588 | 800 | 808 | 824 | rBV | 663995 | 1290997 | 54.86% | 8.281% |
| 6 | 8.046 | 880 | 886 | 899 | rVB | 114223 | 224720 | 9.55% | 1.441% |
| 7 | 8.369 | 931 | 941 | 952 | rBV | 474640 | 930096 | 39.52% | 5.966% |
| 8 | 9.221 | 1078 | 1086 | 1104 | rBV | 350114 | 750969 | 31.91% | 4.817% |
| 9 | 10.866 | 1359 | 1366 | 1373 | rBV | 172443 | 349026 | 14.83% | 2.239% |
| 10 | 13.305 | 1772 | 1781 | 1795 | rBV | 945859 | 1631694 | 69.34% | 10.466% |
| 11 | 14.133 | 1913 | 1922 | 1927 | rBV | 93049 | 158022 | 6.71% | 1.014% |
| 12 | 14.685 | 2009 | 2016 | 2023 | rBV2 | 272827 | 468628 | 19.91% | 3.006% |
| 13 | 16.184 | 2264 | 2271 | 2283 | rBV | 600750 | 1072693 | 45.58% | 6.880% |
| 14 | 16.360 | 2297 | 2301 | 2309 | rBV5 | 14498 | 36720 | 1.56% | 0.236% |
| 15 | 17.435 | 2477 | 2484 | 2488 | rBV2 | 262750 | 465364 | 19.77% | 2.985% |
| 16 | 17.476 | 2488 | 2491 | 2497 | rVB | 68501 | 106901 | 4.54% | 0.686% |
| 17 | 17.564 | 2502 | 2506 | 2512 | rBV | 18346 | 33026 | 1.40% | 0.212% |
| 18 | 18.499 | 2663 | 2665 | 2669 | rVB4 | 25905 | 31660 | 1.35% | 0.203% |
| 19 | 19.204 | 2782 | 2785 | 2794 | rBV9 | 42654 | 99495 | 4.23% | 0.638% |
| 20 | 19.480 | 2827 | 2832 | 2838 | rBV | 318912 | 500517 | 21.27% | 3.210% |
| 21 | 19.779 | 2880 | 2883 | 2885 | rBV | 40046 | 49800 | 2.12% | 0.319% |
| 22 | 19.844 | 2889 | 2894 | 2901 | rVB | 269363 | 426371 | 18.12% | 2.735% |
| 23 | 20.026 | 2920 | 2925 | 2931 | rBV | 1000869 | 1386887 | 58.93% | 8.896% |
| 24 | 20.308 | 2969 | 2973 | 2976 | rBV | 76128 | 116376 | 4.95% | 0.746% |
| 25 | 20.802 | 3054 | 3057 | 3061 | rVB | 71446 | 88540 | 3.76% | 0.568% |
| 26 | 21.301 | 3140 | 3142 | 3150 | rVB2 | 89780 | 133189 | 5.66% | 0.854% |
| 27 | 21.701 | 3202 | 3210 | 3215 | rBV2 | 242688 | 617102 | 26.22% | 3.958% |

Sum of corrected areas: 15590596

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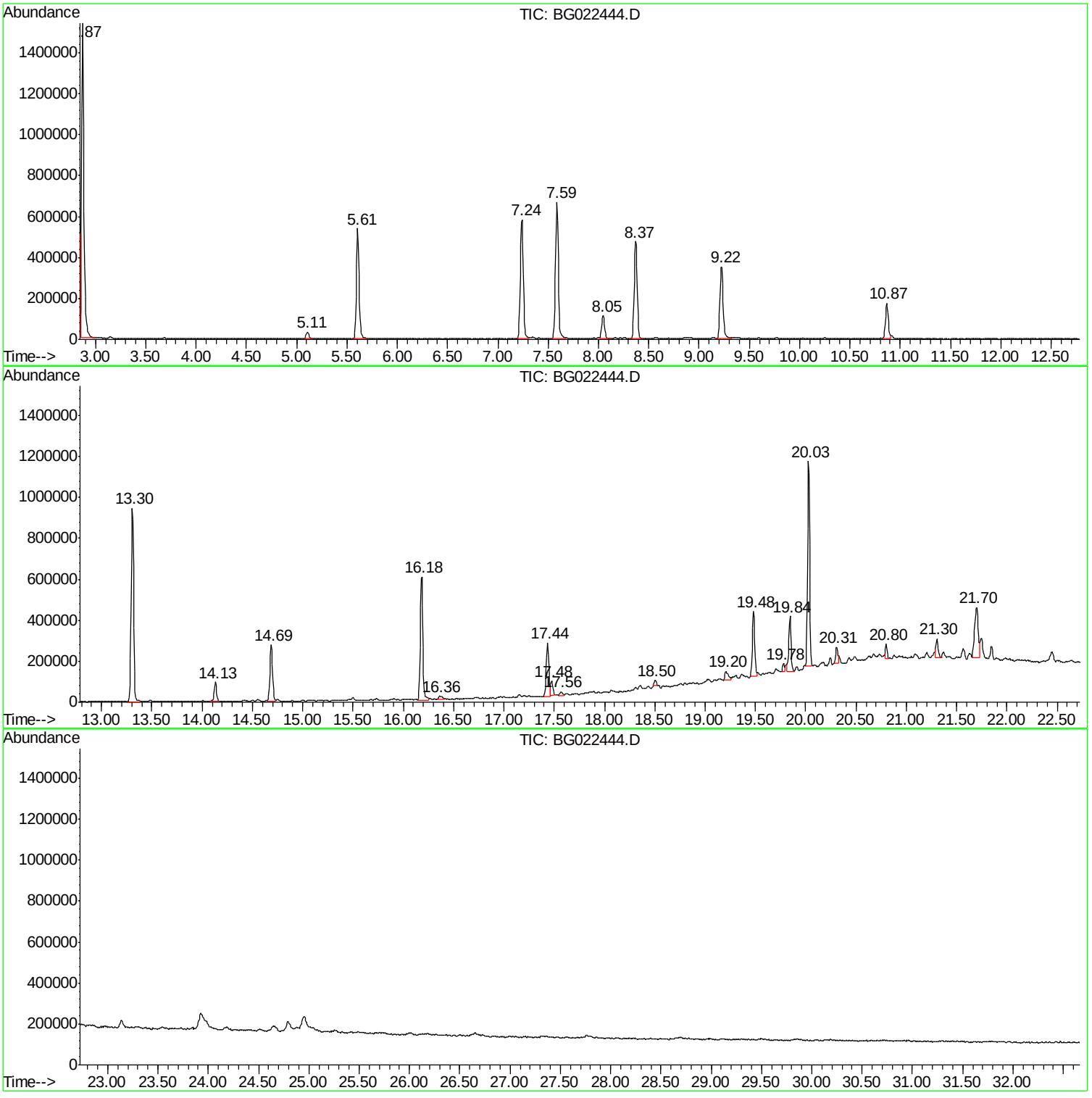
Misc :
ALS Vial : 53 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
S7-B5(6-12)C

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.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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**Instrument :** BNA_G
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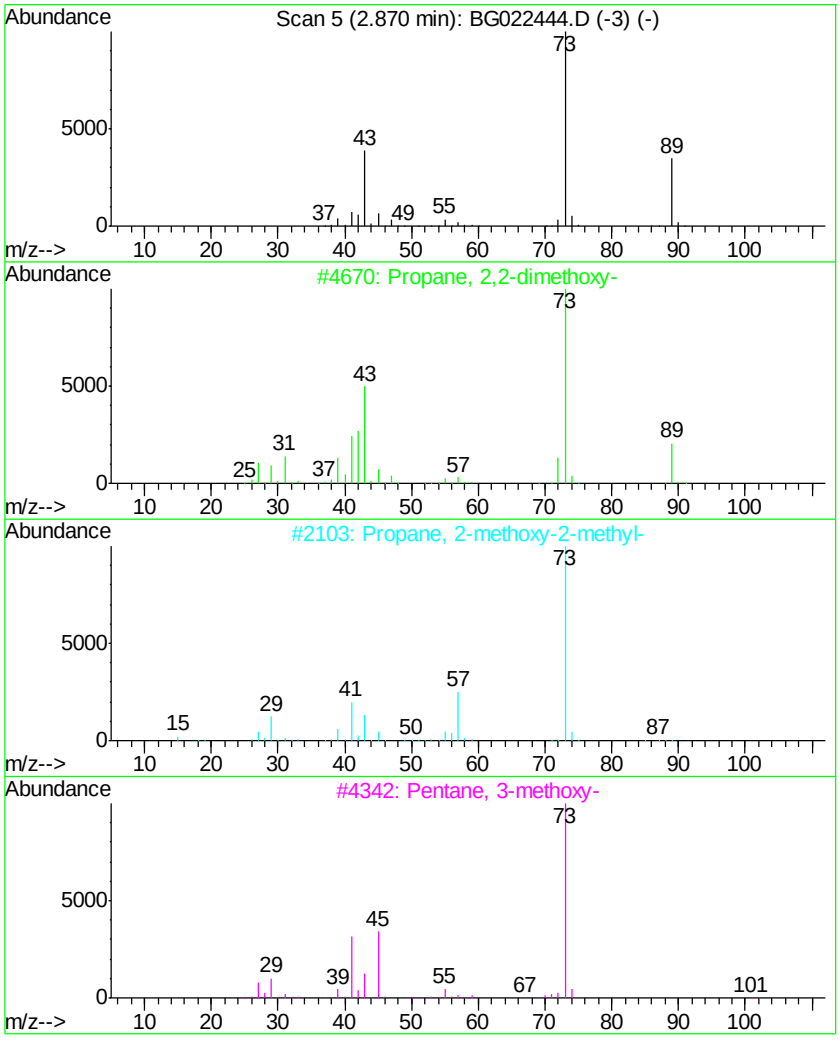
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

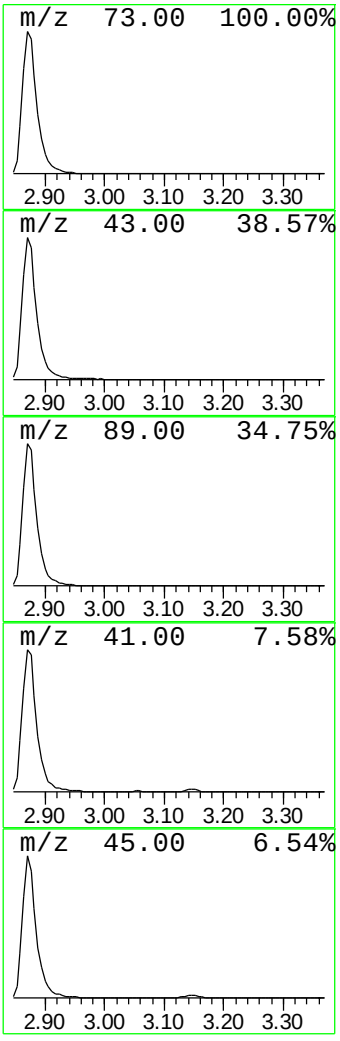
**********

Peak Number 1 Propane, 2,2-dimethoxy- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.87 | 209.45 ng | 2353330 | 1,4-Dichlorobenzene-d4 | 8.05 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propane, 2,2-dimethoxy- | 104 | C5H12O2 | 000077-76-9 | 56 |
| 2 | Propane, 2-methoxy-2-methyl- | 88 | C5H12O | 001634-04-4 | 9 |
| 3 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 9 |
| 4 | 2-Hydroxy-2-methylbutyric acid | 118 | C5H10O3 | 003739-30-8 | 9 |
| 5 | N-Ethylformamide | 73 | C3H7NO | 000627-45-2 | 7 |



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Sample : H3489-07
Misc :
ALS Vial : 53 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** S7-B5(6-12)C

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.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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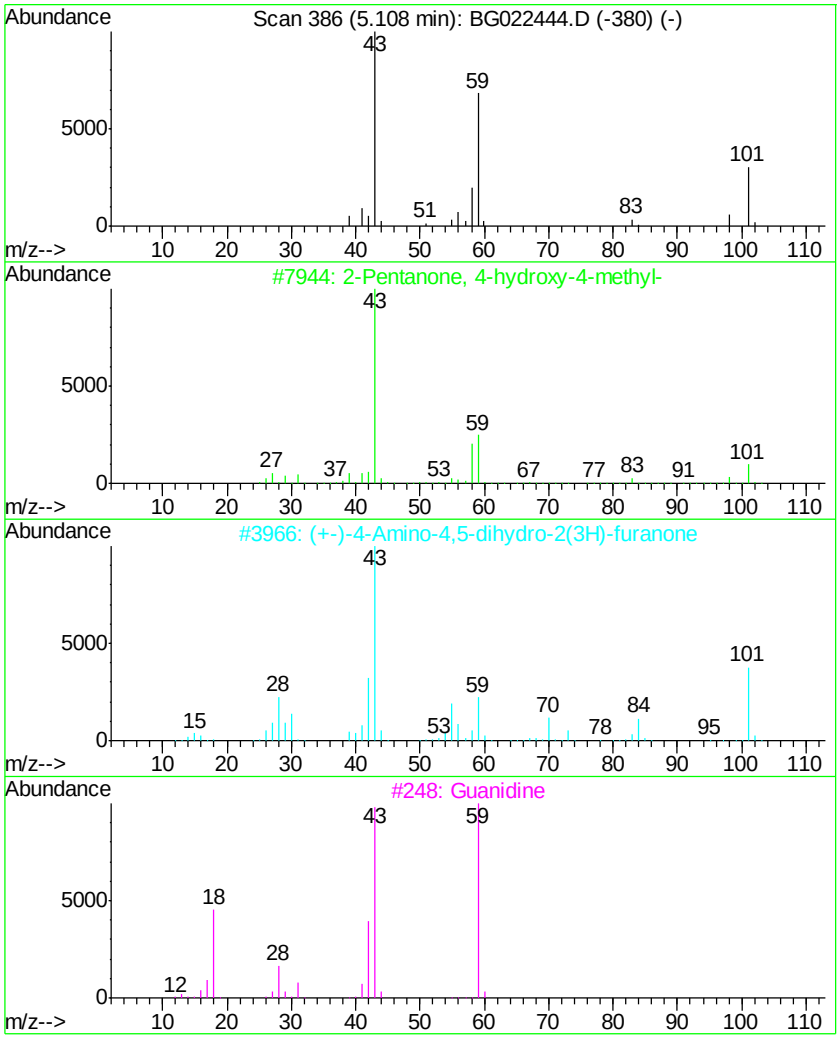
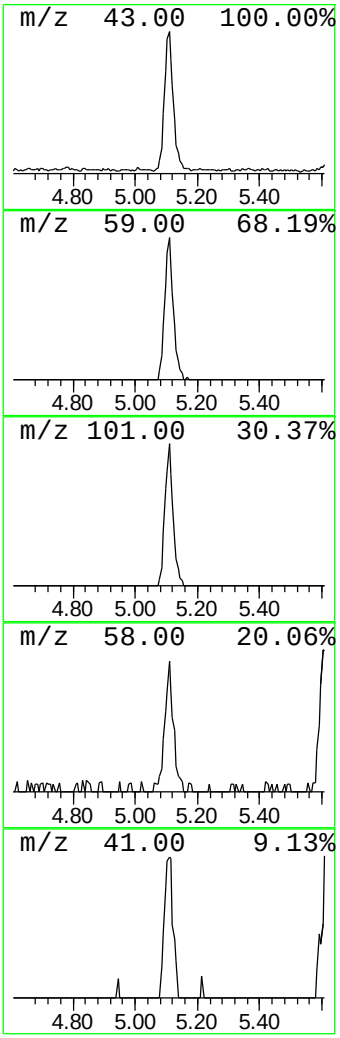
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.11 | 5.72 ng | 64241 | 1,4-Dichlorobenzene-d4 | 8.05 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 53 |
| 2 | (+-)-4-Amino-4,5-dihydro-2(3H)-f... | 101 | C4H7NO2 | 016504-58-8 | 43 |
| 3 | Guanidine | 59 | CH5N3 | 000113-00-8 | 38 |
| 4 | 5-Hexen-2-one | 98 | C6H10O | 000109-49-9 | 10 |
| 5 | Butane, 1-ethoxy- | 102 | C6H14O | 000628-81-9 | 9 |



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Data File : BG022444.D
Acq On : 19 Jun 2016 4:38
Operator : UM/SJ
Sample : H3489-07
Misc :
ALS Vial : 53 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** S7-B5(6-12)C

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.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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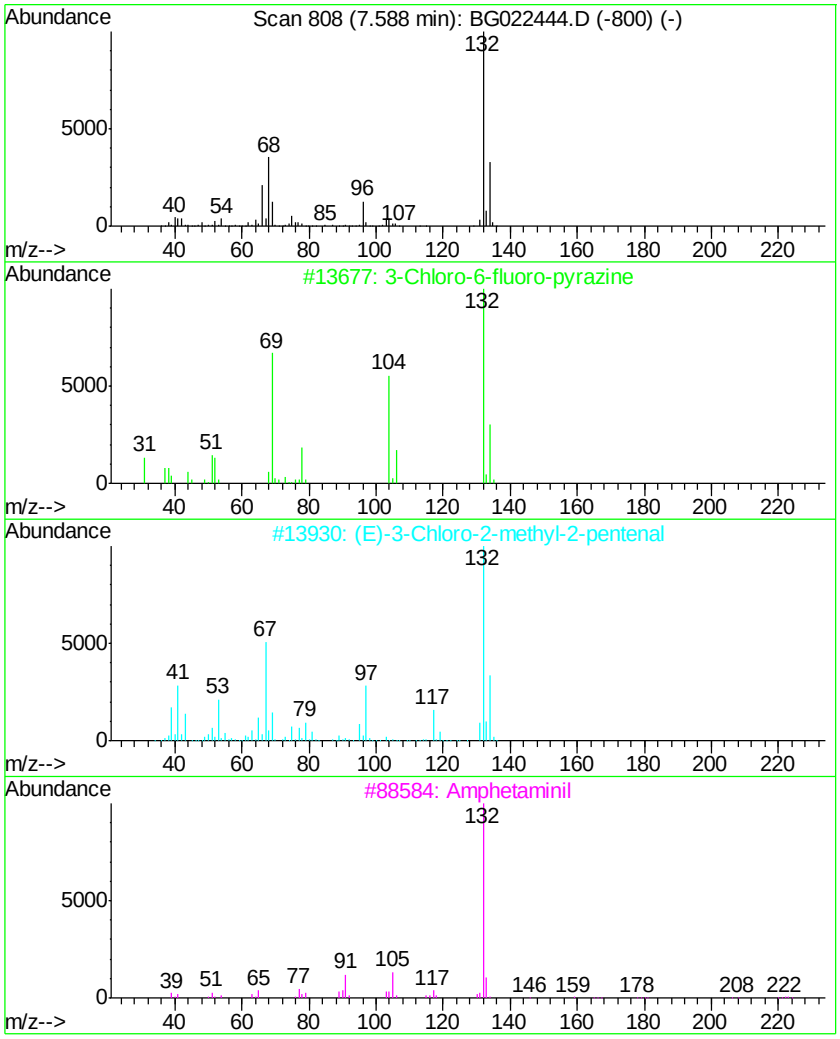
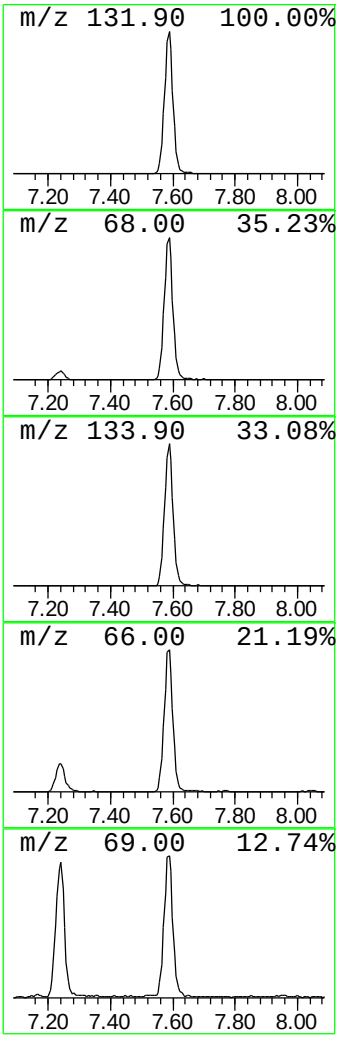
Peak Number 3 unknown7.58 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.59 | 114.90 ng | 1291000 | 1,4-Dichlorobenzene-d4 | 8.05 |

| 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 | 25 |
| 3 | Amphetaminil | 250 | C17H18N2 | 017590-01-1 | 12 |
| 4 | Benzene, 1,3,5-trifluoro- | 132 | C6H3F3 | 000372-38-3 | 9 |
| 5 | 4-Chloro-6-fluoro-pyrimidine | 132 | C4H2ClFN2 | 051422-01-6 | 9 |



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Operator : UM/SJ
Sample : H3489-07
Misc :
ALS Vial : 53 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** S7-B5(6-12)C

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.M
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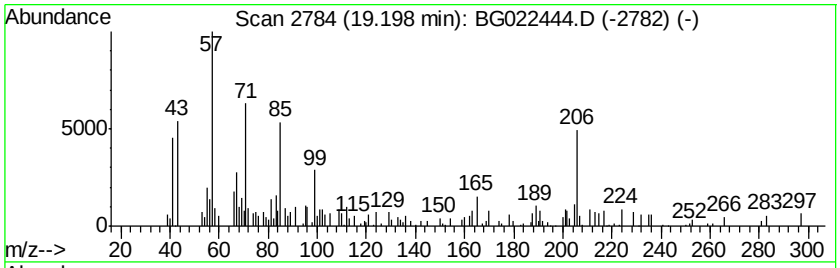
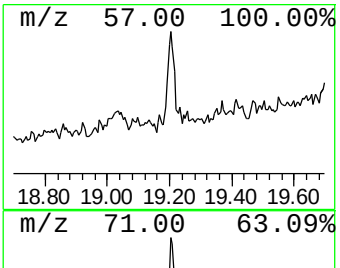
Peak Number 5 Phenanthrene, 2,3-dimethyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.20 | 4.28 ng | 99495 | Phenanthrene-d10 | 17.44 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2,3-dimethyl- | 206 | C16H14 | 003674-65-5 | 64 |
| 2 | Phenanthrene, 2,7-dimethyl- | 206 | C16H14 | 001576-69-8 | 55 |
| 3 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 51 |
| 4 | Naphthalene, 1,2-dihydro-1-phenyl- | 206 | C16H14 | 016606-46-5 | 50 |
| 5 | Phenanthrene, 1,7-dimethyl- | 206 | C16H14 | 000483-87-4 | 49 |



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Operator : UM/SJ
Sample : H3489-07
Misc :
ALS Vial : 53 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** S7-B5(6-12)C

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.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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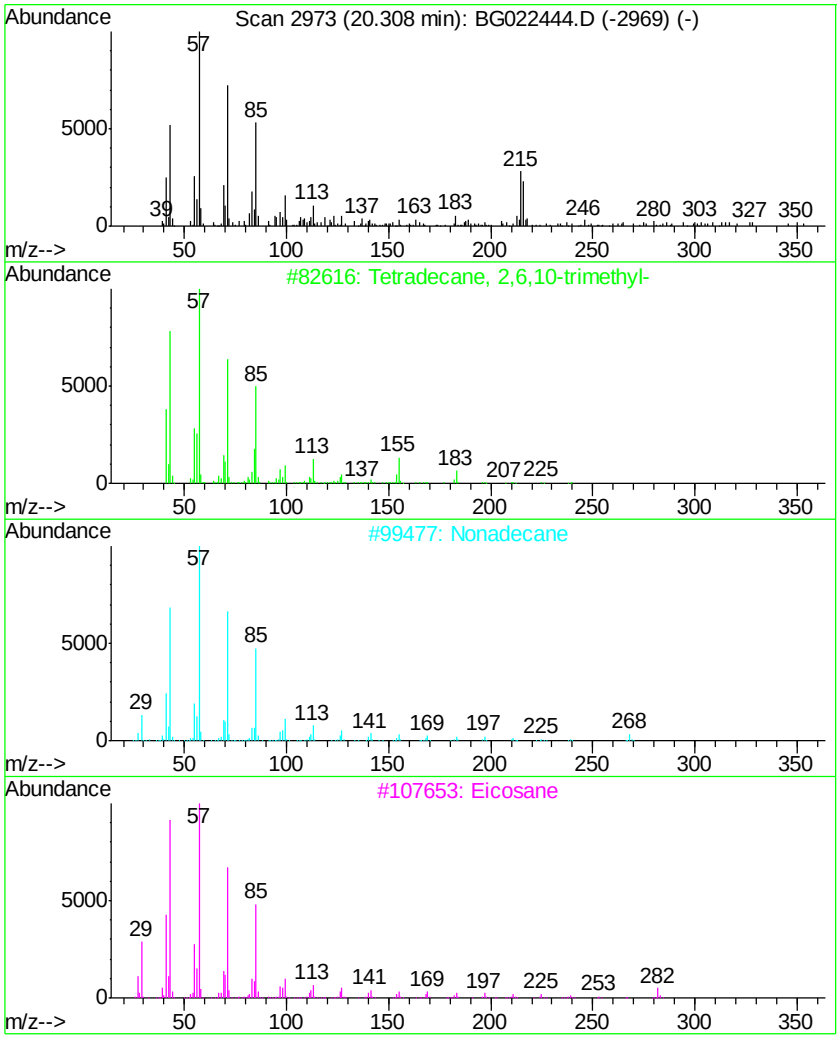
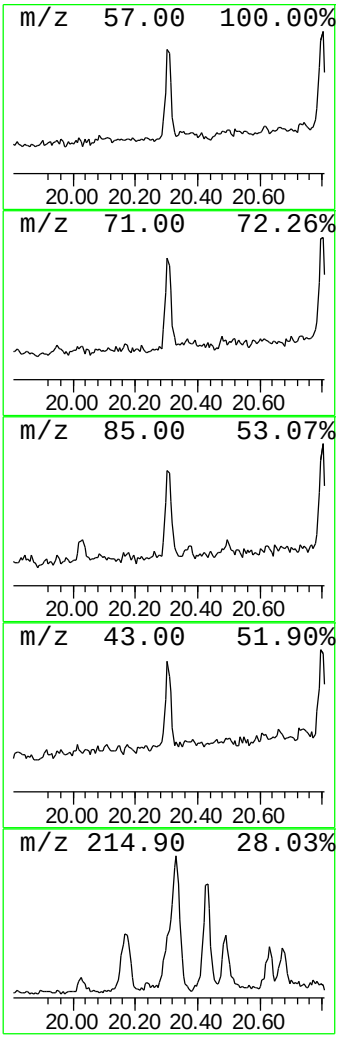
Peak Number 6 Tetradecane, 2,6,10-trimethyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.31 | 3.77 ng | 116376 | Chrysene-d12 | 21.70 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetradecane, 2,6,10-trimethyl- | 240 | C17H36 | 014905-56-7 | 86 |
| 2 | Nonadecane | 268 | C19H40 | 000629-92-5 | 62 |
| 3 | Eicosane | 282 | C20H42 | 000112-95-8 | 62 |
| 4 | Heptadecane | 240 | C17H36 | 000629-78-7 | 62 |
| 5 | Tetradecane | 198 | C14H30 | 000629-59-4 | 60 |



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Operator : UM/SJ
Sample : H3489-07
Misc :
ALS Vial : 53 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** S7-B5(6-12)C

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.M
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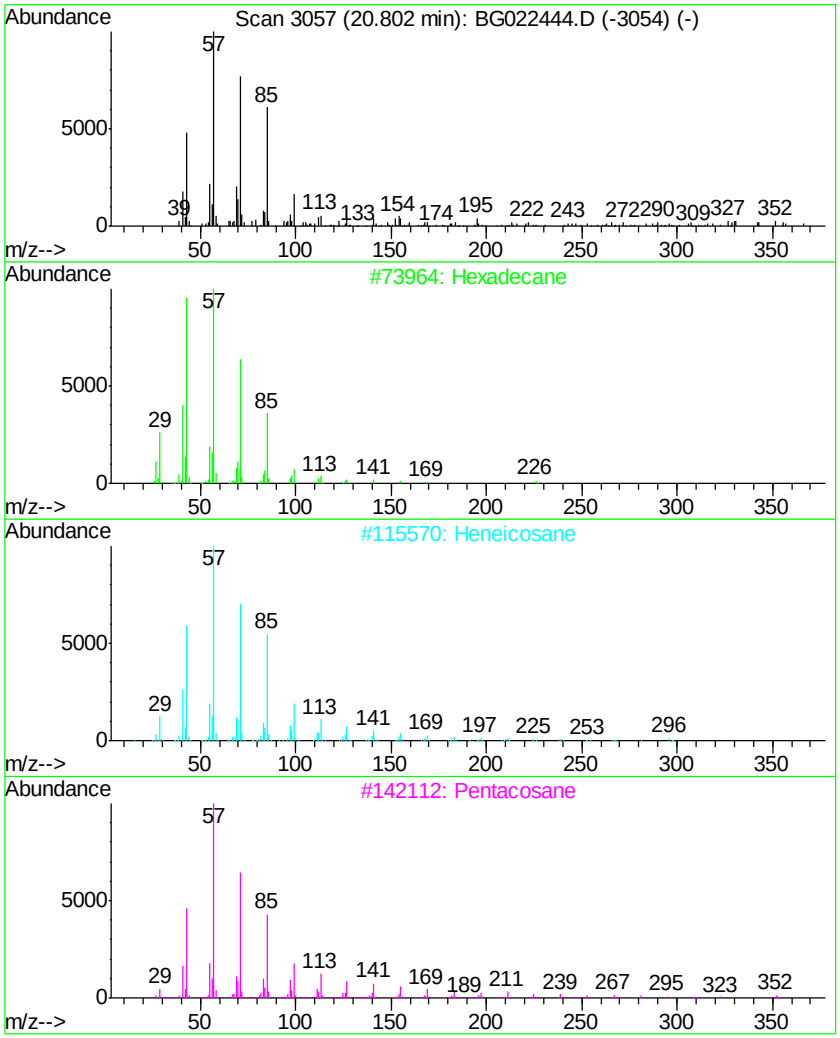
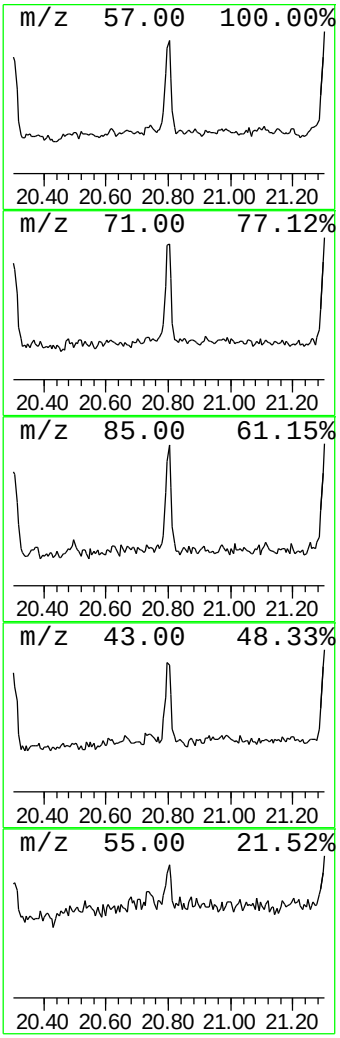
Peak Number 7 Hexadecane Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.80 | 2.87 ng | 88540 | Chrysene-d12 | 21.70 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane | 226 | C16H34 | 000544-76-3 | 90 |
| 2 | Heneicosane | 296 | C21H44 | 000629-94-7 | 87 |
| 3 | Pentacosane | 352 | C25H52 | 000629-99-2 | 86 |
| 4 | Tetradecane | 198 | C14H30 | 000629-59-4 | 78 |
| 5 | Pentadecane, 7-methyl- | 226 | C16H34 | 006165-40-8 | 76 |



Tentatively Identified Compound (LSC) summary

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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 |
| Propane, 2,2-dime... | 2.87 | 209.4 | ng | 2353330 | 1 | 8.05 | 224720 | 20.0 |
| 2-Pentanone, 4-hy... | 5.11 | 5.7 | ng | 64241 | 1 | 8.05 | 224720 | 20.0 |
| unknown7.58 | 7.59 | 114.9 | ng | 1291000 | 1 | 8.05 | 224720 | 20.0 |
| Phenanthrene, 2,3... | 19.20 | 4.3 | ng | 99495 | 4 | 17.44 | 465364 | 20.0 |
| Tetradecane, 2,6,... | 20.31 | 3.8 | ng | 116376 | 5 | 21.70 | 617102 | 20.0 |
| Hexadecane | 20.80 | 2.9 | ng | 88540 | 5 | 21.70 | 617102 | 20.0 |