LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG040615\
Data File : BG016234.D
Acq On : 6 Apr 2015 21:24
Operator : TP/IZ
Sample : G1757-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** LS-SW04

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-BG040615.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 | 2.799 | 14 | 19 | 28 | rBV | 353791 | 517198 | 12.15% | 2.488% |
| 2 | 2.875 | 28 | 32 | 38 | rVV | 374410 | 411582 | 9.67% | 1.980% |
| 3 | 4.814 | 355 | 362 | 369 | rVB2 | 35000 | 50552 | 1.19% | 0.243% |
| 4 | 5.278 | 435 | 441 | 452 | rBV | 509240 | 706185 | 16.59% | 3.397% |
| 5 | 6.870 | 705 | 712 | 721 | rBV | 337090 | 498307 | 11.71% | 2.397% |
| 6 | 7.229 | 766 | 773 | 785 | rBV | 934123 | 1472060 | 34.58% | 7.080% |
| 7 | 7.699 | 845 | 853 | 860 | rBV | 224710 | 339751 | 7.98% | 1.634% |
| 8 | 8.016 | 899 | 907 | 916 | rBV | 840935 | 1345960 | 31.62% | 6.474% |
| 9 | 8.856 | 1042 | 1050 | 1062 | rBV | 720629 | 1153845 | 27.11% | 5.550% |
| 10 | 10.484 | 1320 | 1327 | 1334 | rBV | 336933 | 558695 | 13.13% | 2.687% |
| 11 | 12.963 | 1741 | 1749 | 1757 | rBV | 1908364 | 2843979 | 66.82% | 13.679% |
| 12 | 14.338 | 1976 | 1983 | 1991 | rBV2 | 546354 | 816467 | 19.18% | 3.927% |
| 13 | 15.825 | 2230 | 2236 | 2251 | rBV | 1221287 | 1804241 | 42.39% | 8.678% |
| 14 | 17.076 | 2443 | 2449 | 2455 | rBV2 | 719448 | 1016888 | 23.89% | 4.891% |
| 15 | 19.409 | 2840 | 2846 | 2851 | rBV | 304098 | 347756 | 8.17% | 1.673% |
| 16 | 19.708 | 2891 | 2897 | 2908 | rBV | 3410101 | 4256445 | 100.00% | 20.472% |
| 17 | 20.449 | 3018 | 3023 | 3028 | rBV | 225995 | 244430 | 5.74% | 1.176% |
| 18 | 20.971 | 3107 | 3112 | 3121 | rBV | 52249 | 79918 | 1.88% | 0.384% |
| 19 | 21.254 | 3155 | 3160 | 3171 | rBV | 924602 | 1134271 | 26.65% | 5.455% |
| 20 | 21.406 | 3182 | 3186 | 3193 | rBV | 35323 | 42885 | 1.01% | 0.206% |
| 21 | 22.299 | 3333 | 3338 | 3346 | rBV | 32140 | 52048 | 1.22% | 0.250% |
| 22 | 22.811 | 3419 | 3425 | 3430 | rBV2 | 23899 | 43404 | 1.02% | 0.209% |
| 23 | 23.498 | 3534 | 3542 | 3553 | rBV | 557356 | 1054464 | 24.77% | 5.072% |

Sum of corrected areas: 20791331

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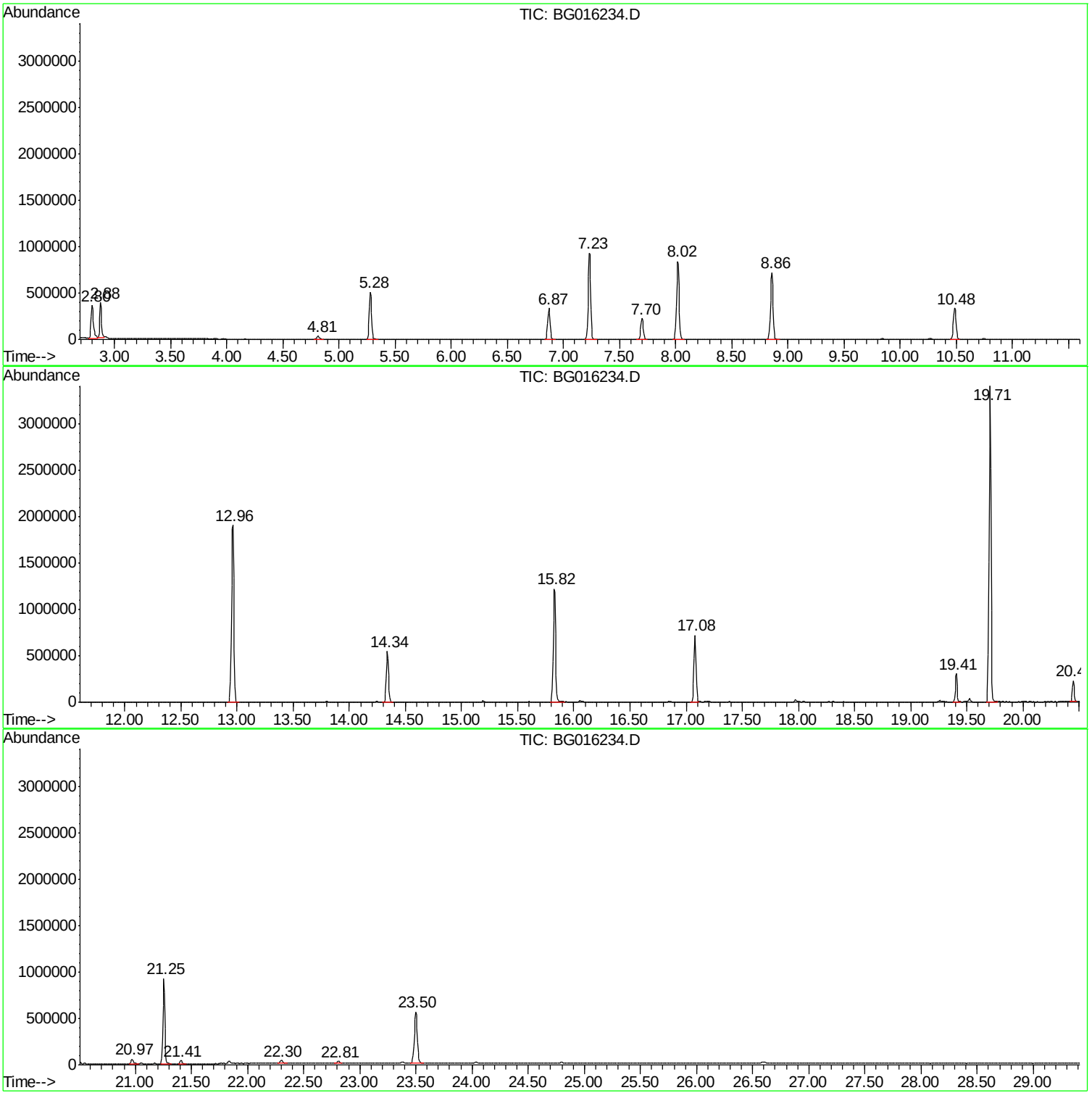
**Instrument :** BNA_G
**ClientSampleId :** LS-SW04

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG040615.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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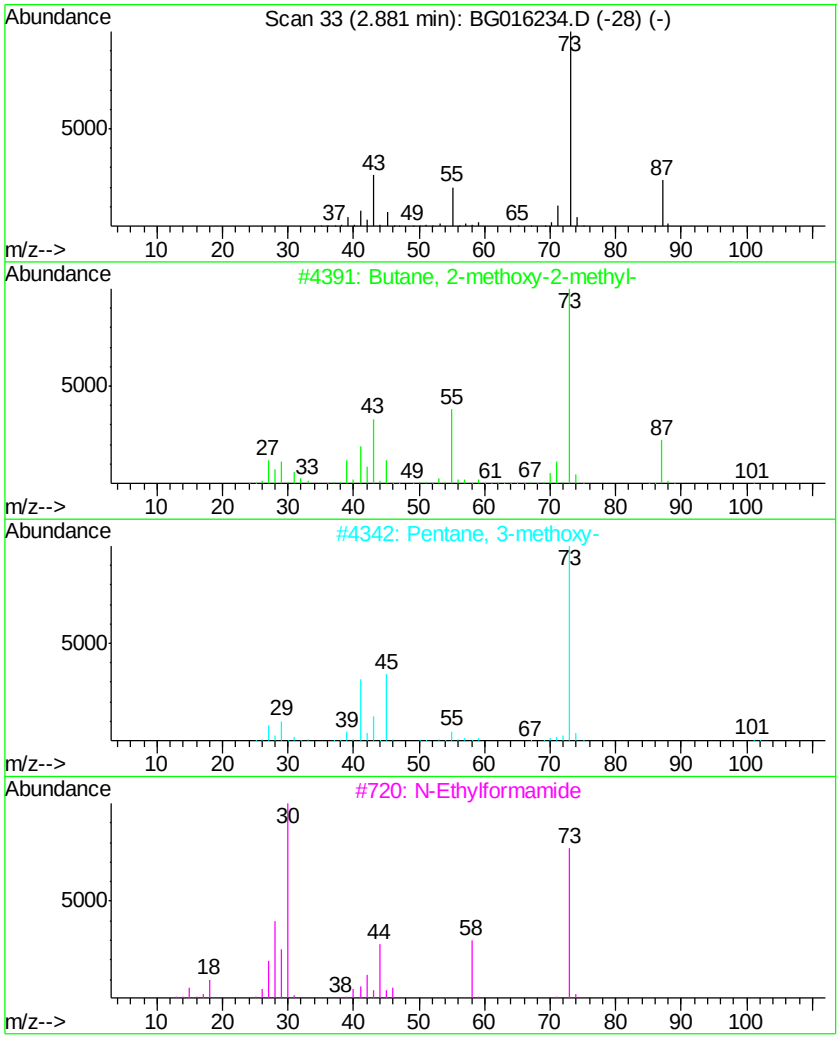
TIC Integration Parameters: LSCINT.P

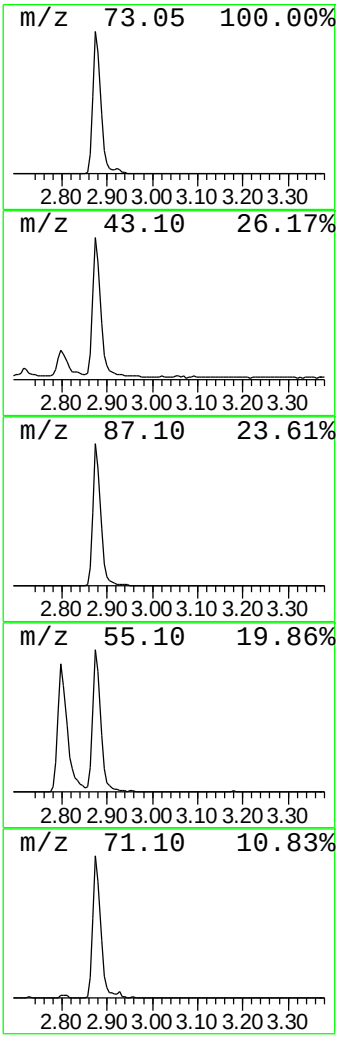
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.88 | 24.23 ng | 411582 | 1,4-Dichlorobenzene-d4 | 7.70 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 74 |
| 2 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 23 |
| 3 | N-Ethylformamide | 73 | C3H7NO | 000627-45-2 | 9 |
| 4 | Acetamide, N-ethyl- | 87 | C4H9NO | 000625-50-3 | 9 |
| 5 | 1,3-Dioxolane, 2-methyl- | 88 | C4H8O2 | 000497-26-7 | 7 |



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Sample : G1757-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** LS-SW04

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG040615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

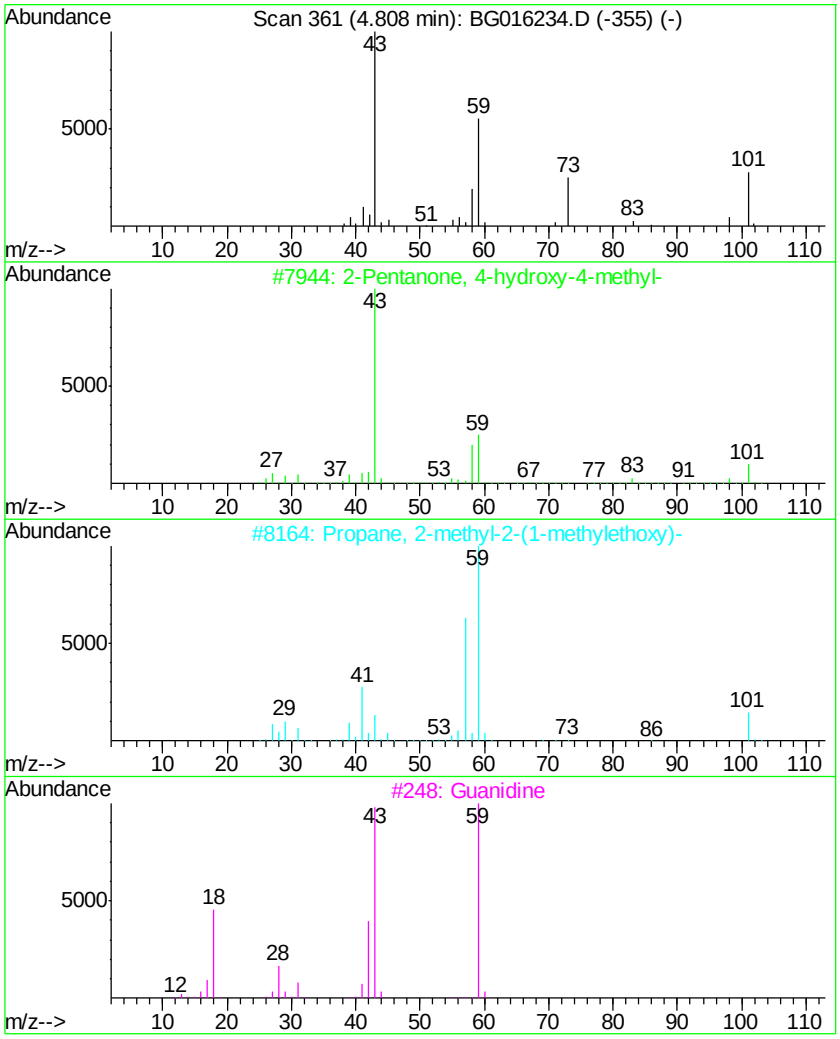
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

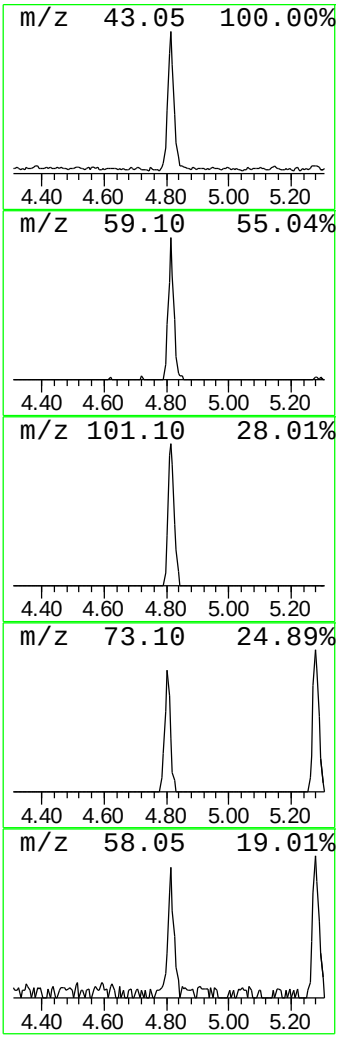
**********

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.81 | 2.98 ng | 50552 | 1,4-Dichlorobenzene-d4 | 7.70 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 50 |
| 2 | Propane, 2-methyl-2-(1-methyleth... | 116 | C7H16O | 017348-59-3 | 38 |
| 3 | Guanidine | 59 | CH5N3 | 000113-00-8 | 38 |
| 4 | 2-Pentanol, 2,4-dimethyl- | 116 | C7H16O | 000625-06-9 | 37 |
| 5 | Propane, 1-ethoxy-2-methyl- | 102 | C6H14O | 000627-02-1 | 23 |



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Operator : TP/IZ
Sample : G1757-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** LS-SW04

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG040615.M
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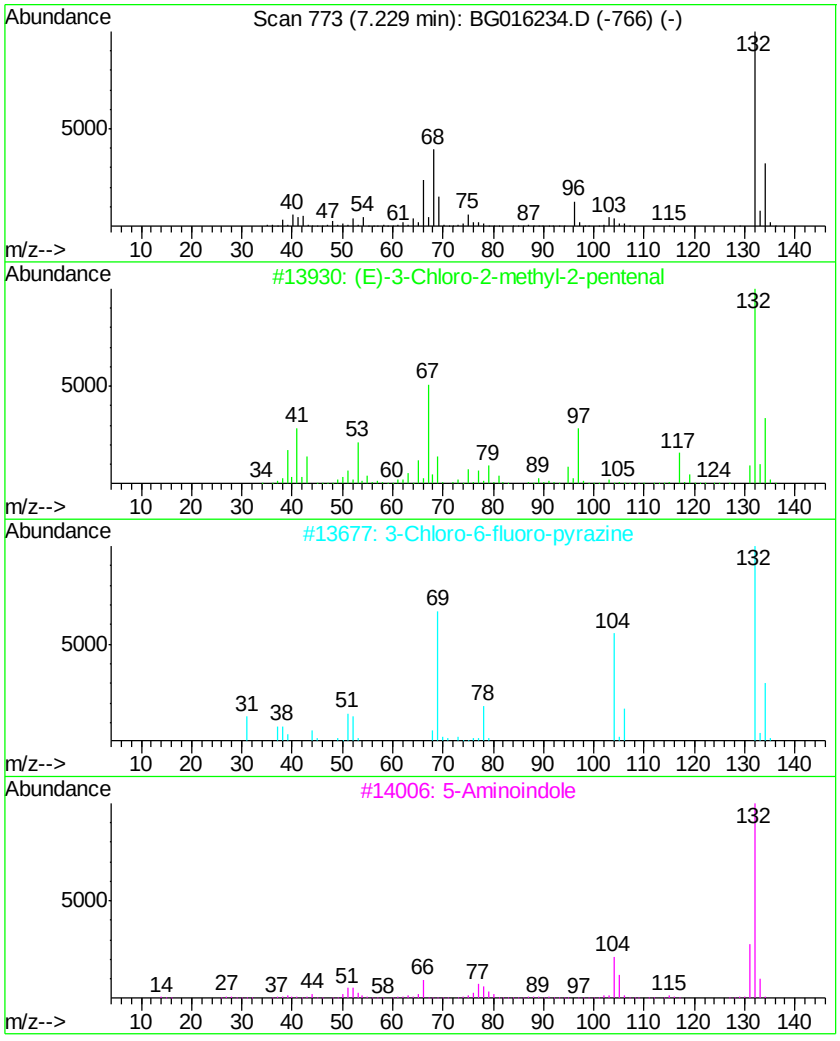
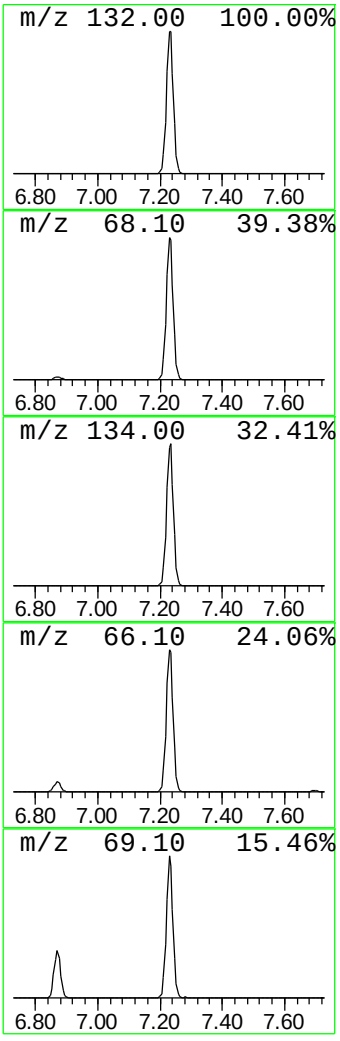
**********

Peak Number 4 unknown7.23 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.23 | 86.66 ng | 1472060 | 1,4-Dichlorobenzene-d4 | 7.70 |

| 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 | 16 |
| 3 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 12 |
| 4 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 10 |
| 5 | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0 | 9 |



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ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** LS-SW04

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG040615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

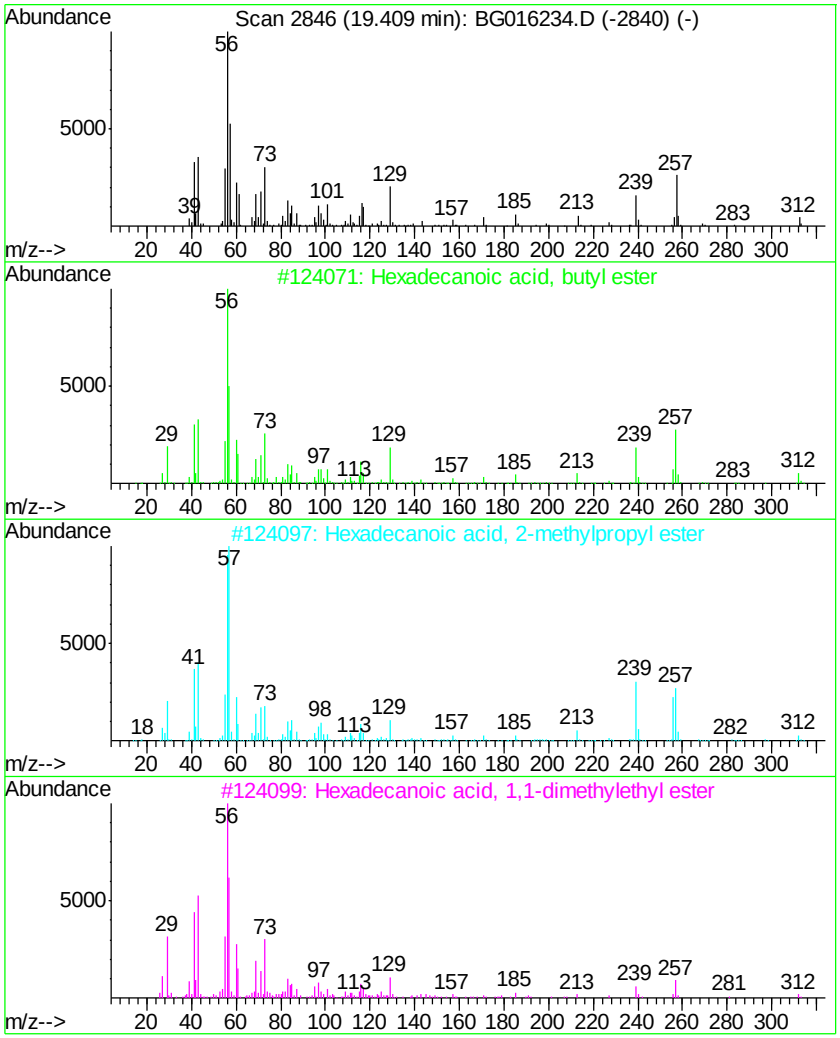
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

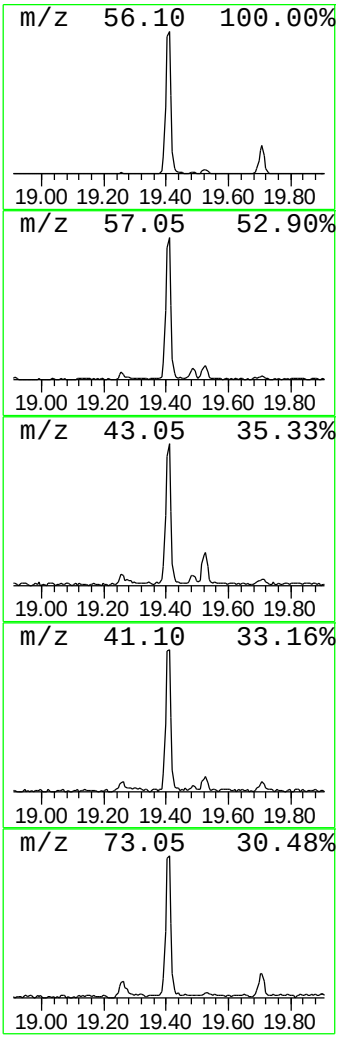
**********

Peak Number 6 Hexadecanoic acid, butyl ester Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.41 | 6.13 ng | 347756 | Chrysene-d12 | 21.25 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecanoic acid, butyl ester | 312 | C20H40O2 | 000111-06-8 | 99 |
| 2 | Hexadecanoic acid, 2-methylpropy... | 312 | C20H40O2 | 000110-34-9 | 81 |
| 3 | Hexadecanoic acid, 1,1-dimethyle... | 312 | C20H40O2 | 031158-91-5 | 35 |
| 4 | 1-Pentene, 2,4-dimethyl- | 98 | C7H14 | 002213-32-3 | 27 |
| 5 | Cyclopropane, 1-(1-methylethyl)-... | 210 | C15H30 | 041977-39-3 | 27 |



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Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** LS-SW04

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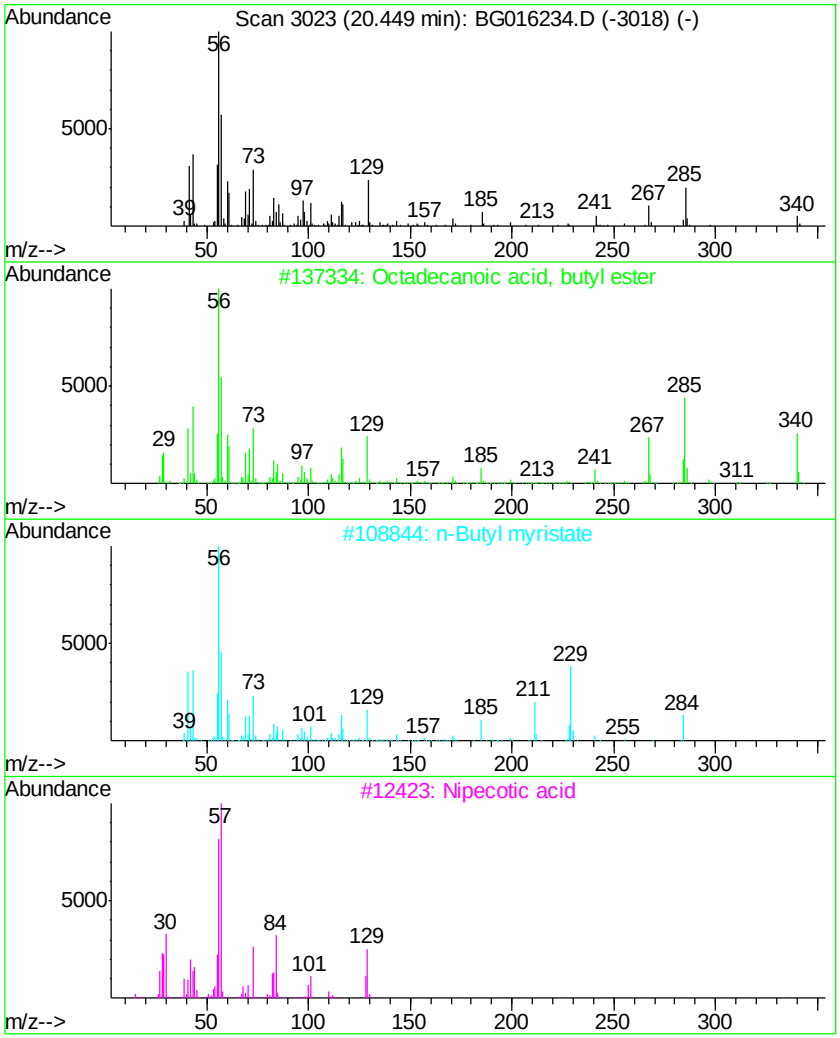
TIC Integration Parameters: LSCINT.P

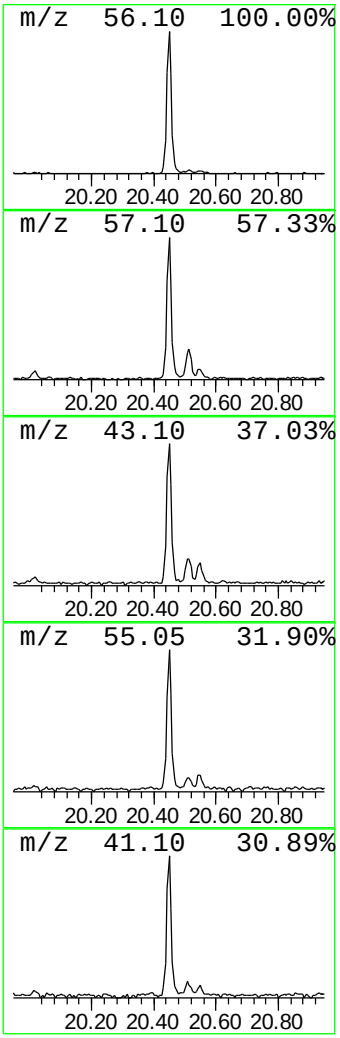
**********

Peak Number 7 Octadecanoic acid, butyl ester Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.45 | 4.31 ng | 244430 | Chrysene-d12 | 21.25 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecanoic acid, butyl ester | 340 | C22H44O2 | 000123-95-5 | 97 |
| 2 | n-Butyl myristate | 284 | C18H36O2 | 000110-36-1 | 58 |
| 3 | Nipecotic acid | 129 | C6H11NO2 | 000498-95-3 | 47 |
| 4 | Octadecanoic acid, 2-methylpropy... | 340 | C22H44O2 | 000646-13-9 | 45 |
| 5 | 1-Hexene, 4-methyl- | 98 | C7H14 | 003769-23-1 | 30 |



Tentatively Identified Compound (LSC) summary

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TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Butane, 2-methoxy... | 2.88 | 24.2 | ng | 411582 | 1 | 7.70 | 339751 | 20.0 |
| 2-Pentanone, 4-hy... | 4.81 | 3.0 | ng | 50552 | 1 | 7.70 | 339751 | 20.0 |
| unknown7.23 | 7.23 | 86.7 | ng | 1472060 | 1 | 7.70 | 339751 | 20.0 |
| Hexadecanoic acid... | 19.41 | 6.1 | ng | 347756 | 5 | 21.25 | 1134270 | 20.0 |
| Octadecanoic acid... | 20.45 | 4.3 | ng | 244430 | 5 | 21.25 | 1134270 | 20.0 |