LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG062516\
Data File : BG022555.D
Acq On : 25 Jun 2016 2:07
Operator : UM/SJ
Sample : H3633-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** FB2

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-BG062516.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 | 5.240 | 403 | 409 | 416 | rBV2 | 143285 | 238123 | 1.97% | 0.458% |
| 2 | 5.704 | 482 | 488 | 497 | rBV | 1165226 | 1863361 | 15.45% | 3.587% |
| 3 | 7.303 | 753 | 760 | 769 | rVB | 807243 | 1356226 | 11.24% | 2.610% |
| 4 | 7.690 | 818 | 826 | 834 | rBV | 2022845 | 3509779 | 29.10% | 6.756% |
| 5 | 8.166 | 899 | 907 | 914 | rBV2 | 434988 | 769453 | 6.38% | 1.481% |
| 6 | 8.495 | 953 | 963 | 971 | rBV | 1769106 | 3113287 | 25.81% | 5.992% |
| 7 | 9.335 | 1098 | 1106 | 1114 | rBV | 1573962 | 2827925 | 23.44% | 5.443% |
| 8 | 10.992 | 1376 | 1388 | 1397 | rBV | 604081 | 1094569 | 9.07% | 2.107% |
| 9 | 13.425 | 1795 | 1802 | 1810 | rVB | 4085025 | 6610438 | 54.80% | 12.724% |
| 10 | 14.806 | 2028 | 2037 | 2044 | rBV2 | 1012141 | 1686669 | 13.98% | 3.247% |
| 11 | 16.286 | 2282 | 2289 | 2300 | rBV | 4637061 | 6882525 | 57.05% | 13.248% |
| 12 | 17.549 | 2498 | 2504 | 2512 | rBV2 | 1509429 | 2371987 | 19.66% | 4.566% |
| 13 | 18.425 | 2648 | 2653 | 2655 | rBV5 | 91150 | 127256 | 1.05% | 0.245% |
| 14 | 18.454 | 2655 | 2658 | 2663 | rVB4 | 90255 | 126819 | 1.05% | 0.244% |
| 15 | 19.688 | 2864 | 2868 | 2875 | rBV3 | 210030 | 367792 | 3.05% | 0.708% |
| 16 | 19.747 | 2875 | 2878 | 2888 | rVB4 | 168792 | 225661 | 1.87% | 0.434% |
| 17 | 20.152 | 2941 | 2947 | 2952 | rBV | 8781454 | 12063097 | 100.00% | 23.219% |
| 18 | 20.851 | 3061 | 3066 | 3074 | rBV | 705293 | 1046587 | 8.68% | 2.014% |
| 19 | 21.838 | 3228 | 3234 | 3242 | rVB | 1678001 | 2826603 | 23.43% | 5.441% |
| 20 | 21.985 | 3255 | 3259 | 3265 | rVB8 | 124466 | 200369 | 1.66% | 0.386% |
| 21 | 25.199 | 3797 | 3806 | 3816 | rVB | 894023 | 2644560 | 21.92% | 5.090% |

Sum of corrected areas: 51953086

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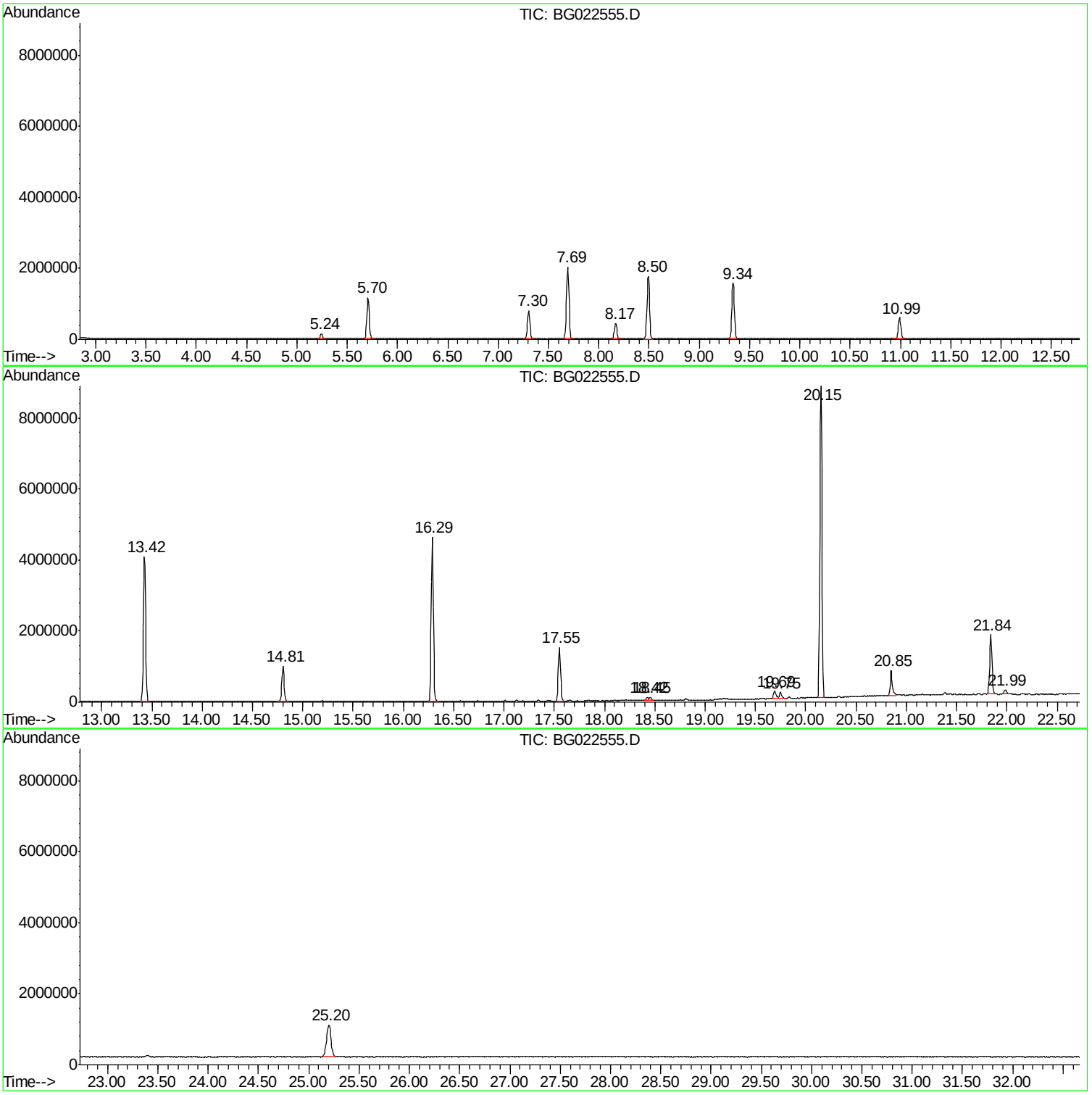
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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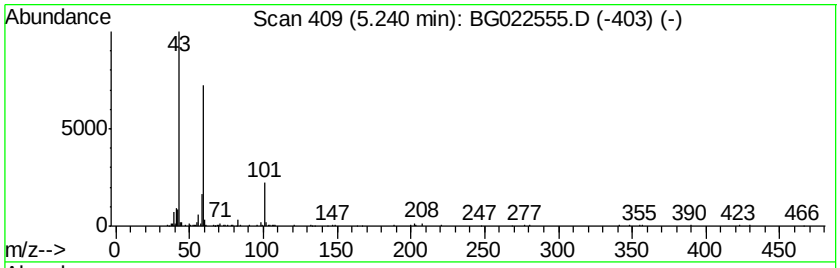
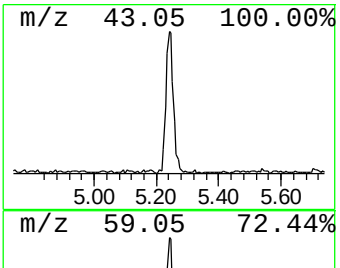
Peak Number 1 unknown5.24 Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.24 | 6.19 ng | 238123 | 1,4-Dichlorobenzene-d4 | 8.17 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Hexanol, 2-methyl- | 116 | C7H16O | 000625-23-0 | 28 |
| 2 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 25 |
| 3 | 2,5,8,11,14-Pentaoxapentadecane | 222 | C10H22O5 | 000143-24-8 | 23 |
| 4 | 4-Hydroxy-3-hexanone | 116 | C6H12O2 | 004984-85-4 | 17 |
| 5 | 4-Ethyl-3-octanol | 158 | C10H22O | 019781-26-1 | 17 |



# Library Search Compound Report

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Data File : BG022555.D
Acq On : 25 Jun 2016 2:07
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Sample : H3633-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** FB2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.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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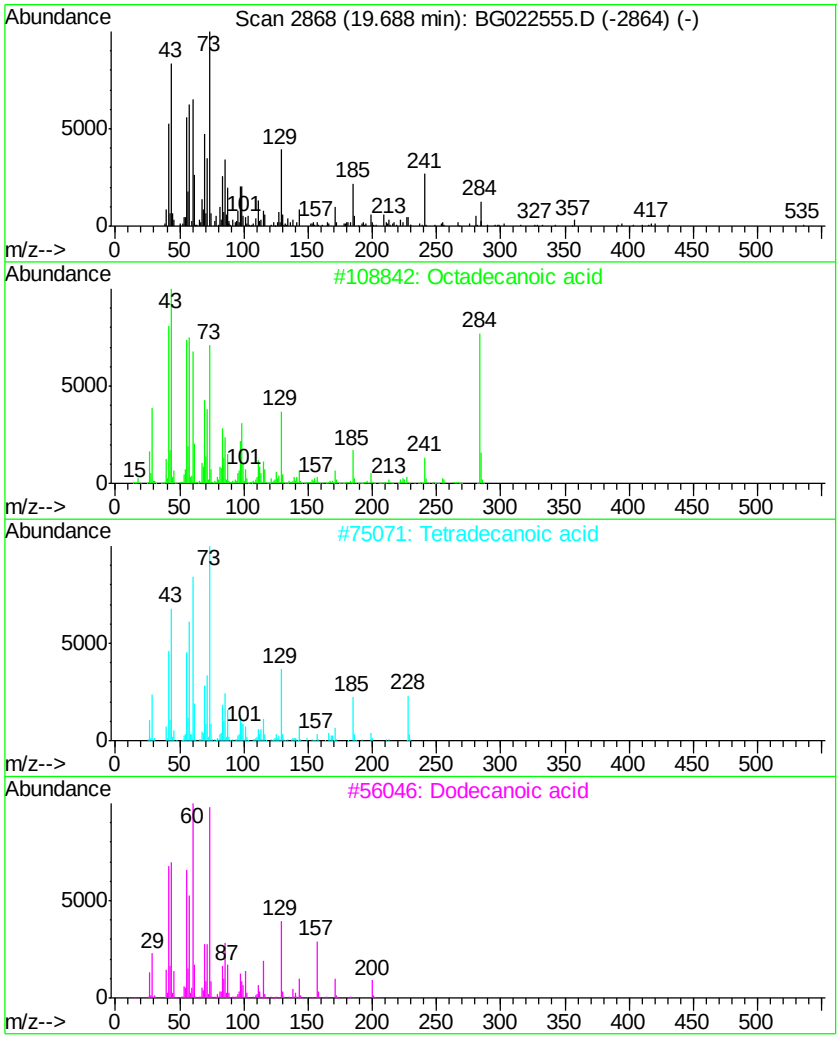
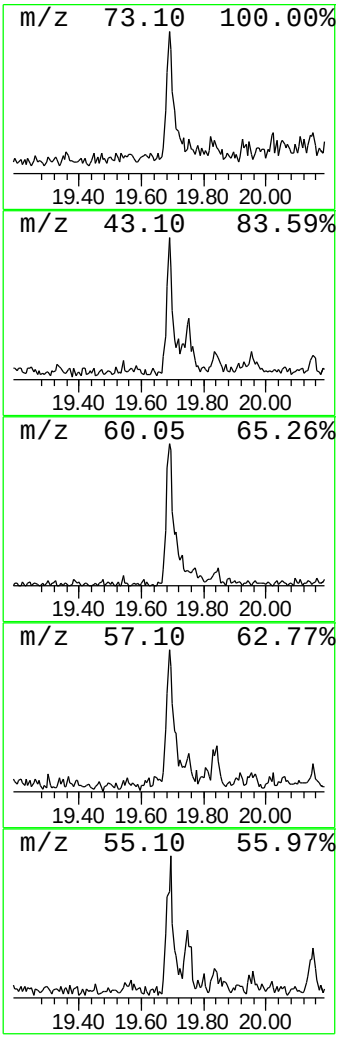
Peak Number 4 Octadecanoic acid Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.69 | 3.10 ng | 367792 | Phenanthrene-d10 | 17.55 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 90 |
| 2 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 70 |
| 3 | Dodecanoic acid | 200 | C12H24O2 | 000143-07-7 | 53 |
| 4 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 42 |
| 5 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 37 |



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Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** FB2

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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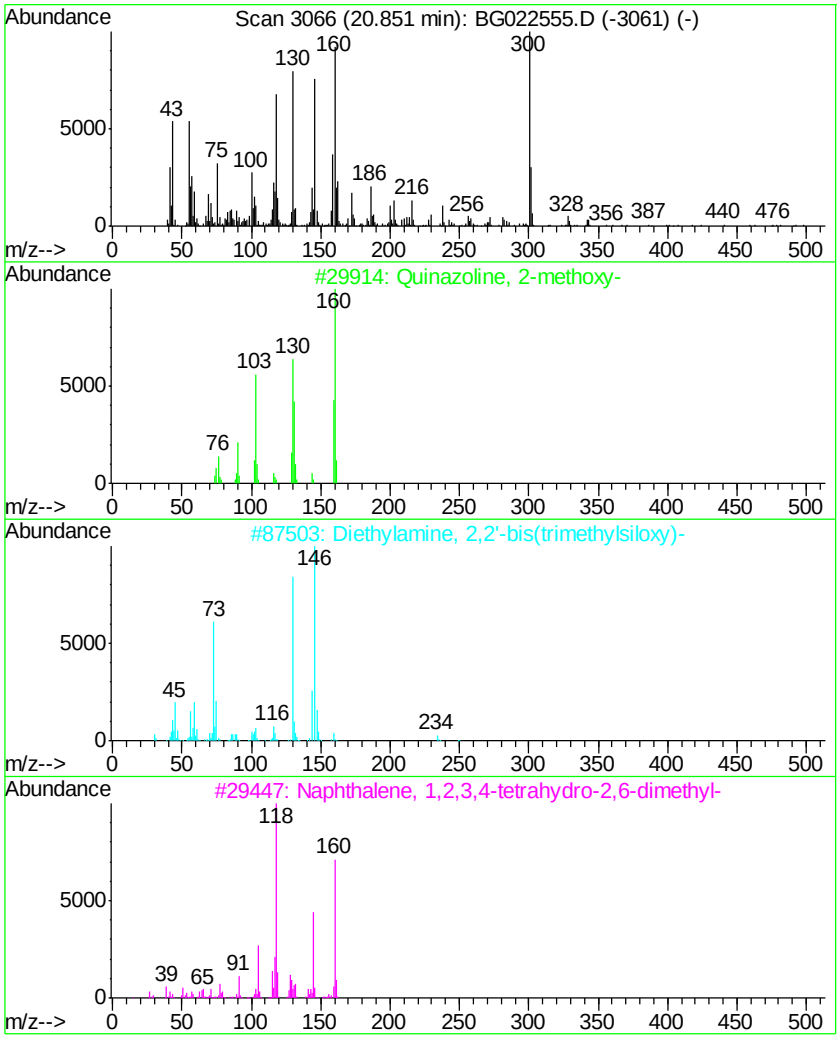
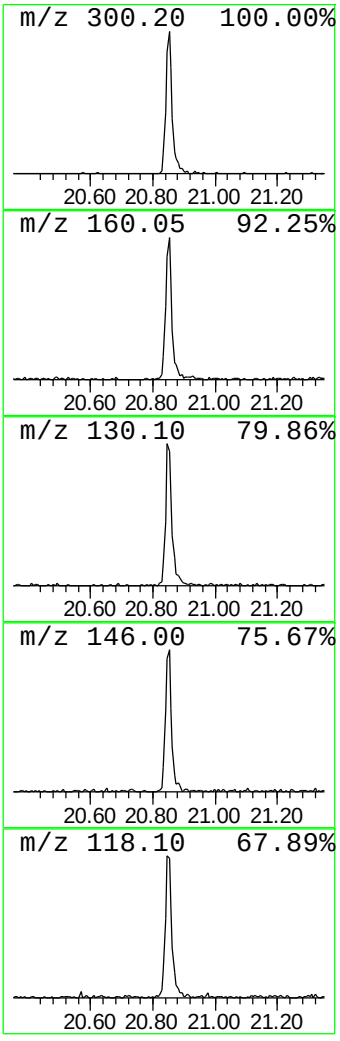
Peak Number 5 unknown20.85 Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.85 | 7.41 ng | 1046590 | Chrysene-d12 | 21.84 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Quinazoline, 2-methoxy- | 160 | C9H8N2O | 006141-15-7 | 25 |
| 2 | Diethylamine, 2,2'-bis(trimethyl... | 249 | C10H27NO2Si2 | 020836-40-2 | 25 |
| 3 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 007524-63-2 | 14 |
| 4 | Benzimidazolium, 1,2-dimethyl-, ... | 300 | C15H16N4O3 | 027355-95-9 | 11 |
| 5 | Estra-1,3,5(10)-trien-17-one, 3-... | 300 | C19H24O3 | 000362-08-3 | 11 |



Tentatively Identified Compound (LSC) summary

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Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_G
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.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 |
| unknown5.24 | 5.24 | 6.2 | ng | 238123 | 1 | 8.17 | 769453 | 20.0 |
| Octadecanoic acid | 19.69 | 3.1 | ng | 367792 | 4 | 17.55 | 2371990 | 20.0 |
| unknown20.85 | 20.85 | 7.4 | ng | 1046590 | 5 | 21.84 | 2826600 | 20.0 |