# LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062019\
Data File : BG041357.D
Acq On : 20 Jun 2019 15:11
Operator : HP/JU
Sample : K3157-09 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** CL-01-061719-E

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:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.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 | 3.147 | 5 | 10 | 24 | rVB | 82778 | 144974 | 14.07% | 1.670% |
| 2 | 4.616 | 256 | 260 | 264 | rVB2 | 10683 | 14824 | 1.44% | 0.171% |
| 3 | 5.621 | 424 | 431 | 444 | rVB | 293086 | 513962 | 49.87% | 5.921% |
| 4 | 7.237 | 699 | 706 | 716 | rBV | 323775 | 604643 | 58.67% | 6.966% |
| 5 | 7.607 | 762 | 769 | 782 | rVB | 333478 | 590676 | 57.32% | 6.805% |
| 6 | 8.077 | 842 | 849 | 856 | rBV | 160735 | 288050 | 27.95% | 3.318% |
| 7 | 8.400 | 897 | 904 | 916 | rVB | 250010 | 445402 | 43.22% | 5.131% |
| 8 | 9.258 | 1043 | 1050 | 1057 | rBV | 200071 | 382906 | 37.16% | 4.411% |
| 9 | 10.897 | 1323 | 1329 | 1339 | rBV | 212438 | 391802 | 38.02% | 4.514% |
| 10 | 13.335 | 1737 | 1744 | 1752 | rBV | 548224 | 809820 | 78.58% | 9.329% |
| 11 | 14.158 | 1879 | 1884 | 1891 | rVB | 85273 | 125591 | 12.19% | 1.447% |
| 12 | 14.716 | 1973 | 1979 | 1986 | rVB2 | 333245 | 527601 | 51.20% | 6.078% |
| 13 | 15.304 | 2075 | 2079 | 2084 | rBV5 | 6385 | 11929 | 1.16% | 0.137% |
| 14 | 16.203 | 2226 | 2232 | 2244 | rBV | 439042 | 681501 | 66.13% | 7.851% |
| 15 | 16.385 | 2261 | 2263 | 2268 | rVB6 | 7096 | 11073 | 1.07% | 0.128% |
| 16 | 17.166 | 2393 | 2396 | 2399 | rBV5 | 9784 | 12713 | 1.23% | 0.146% |
| 17 | 17.284 | 2412 | 2416 | 2418 | rBV4 | 8649 | 12437 | 1.21% | 0.143% |
| 18 | 17.460 | 2440 | 2446 | 2451 | rBV2 | 412226 | 642118 | 62.31% | 7.397% |
| 19 | 17.501 | 2451 | 2453 | 2460 | rVB | 59116 | 79714 | 7.74% | 0.918% |
| 20 | 17.589 | 2465 | 2468 | 2475 | rVV2 | 16366 | 28420 | 2.76% | 0.327% |
| 21 | 18.042 | 2542 | 2545 | 2548 | rBV5 | 13788 | 19648 | 1.91% | 0.226% |
| 22 | 18.312 | 2587 | 2591 | 2598 | rBV3 | 114201 | 194096 | 18.83% | 2.236% |
| 23 | 19.223 | 2743 | 2746 | 2747 | rBV3 | 38043 | 41551 | 4.03% | 0.479% |
| 24 | 19.511 | 2791 | 2795 | 2800 | rVB | 156270 | 214365 | 20.80% | 2.470% |
| 25 | 19.869 | 2853 | 2856 | 2862 | rVB | 185580 | 264084 | 25.63% | 3.042% |
| 26 | 20.057 | 2883 | 2888 | 2893 | rBV | 847826 | 1030518 | 100.00% | 11.872% |
| 27 | 21.737 | 3170 | 3174 | 3180 | rVB2 | 358449 | 596021 | 57.84% | 6.866% |

Sum of corrected areas: 8680439

LSC Report - Integrated Chromatogram

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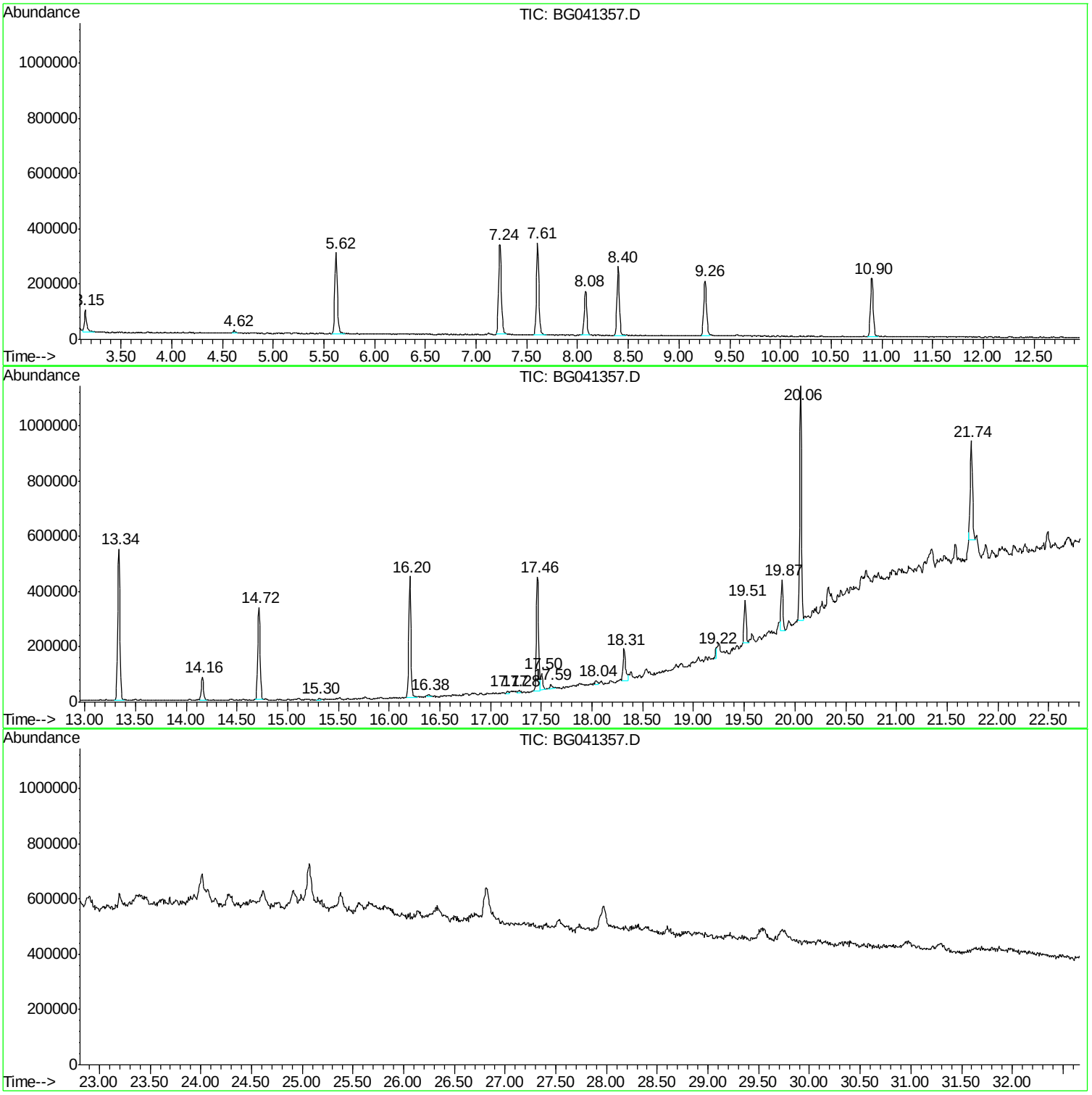
**Instrument :** BNA_G
**ClientSampleId :** CL-01-061719-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



# Library Search Compound Report

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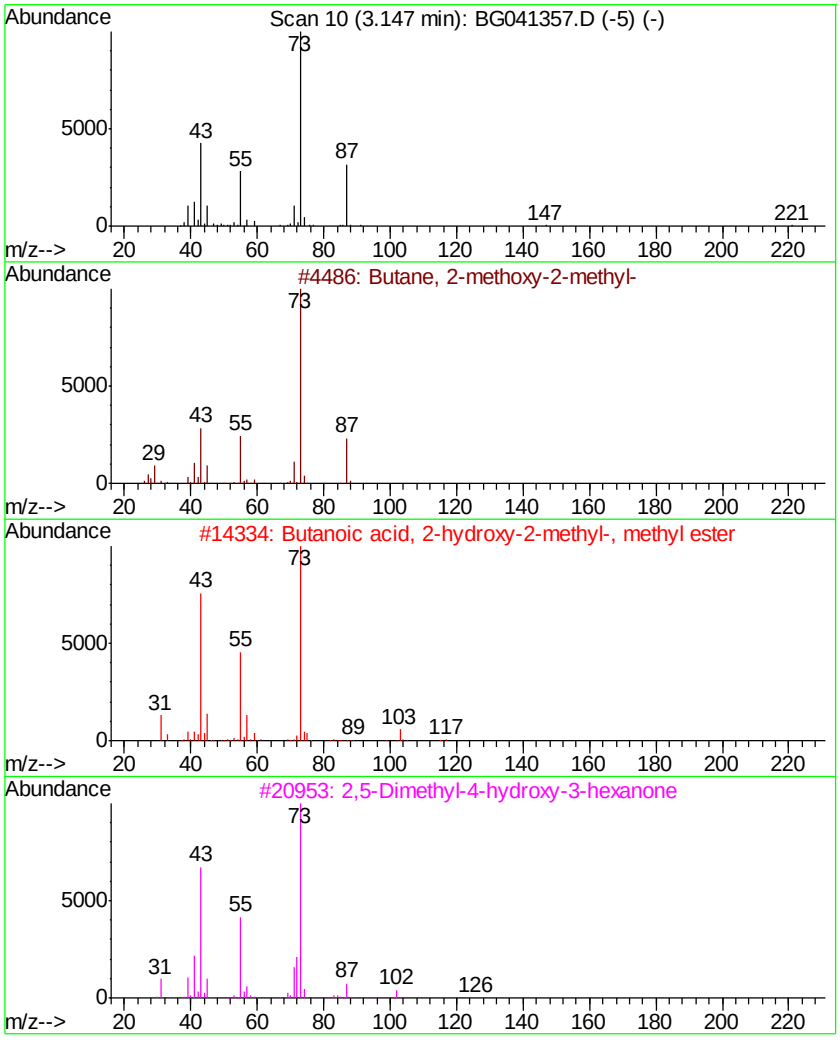
TIC Integration Parameters: LSCINT.P

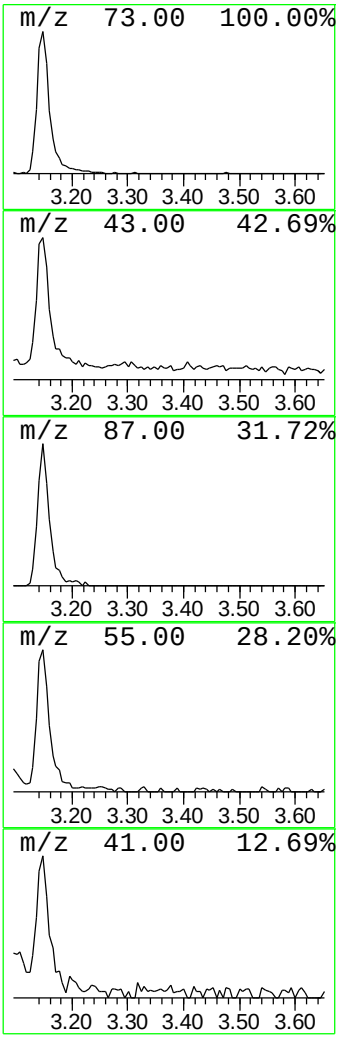
**********

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.15 | 10.07 ng | 144974 | 1,4-Dichlorobenzene-d4 | 8.08 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 72 |
| 2 | Butanoic acid, 2-hydroxy-2-methy... | 132 | C6H12O3 | 032793-34-3 | 32 |
| 3 | 2,5-Dimethyl-4-hydroxy-3-hexanone | 144 | C8H16O2 | 000815-77-0 | 25 |
| 4 | Silane, tetramethyl- | 88 | C4H12Si | 000075-76-3 | 9 |
| 5 | 1,3-Dioxolane, 2-methyl- | 88 | C4H8O2 | 000497-26-7 | 9 |



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**Instrument :** BNA_G
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.M
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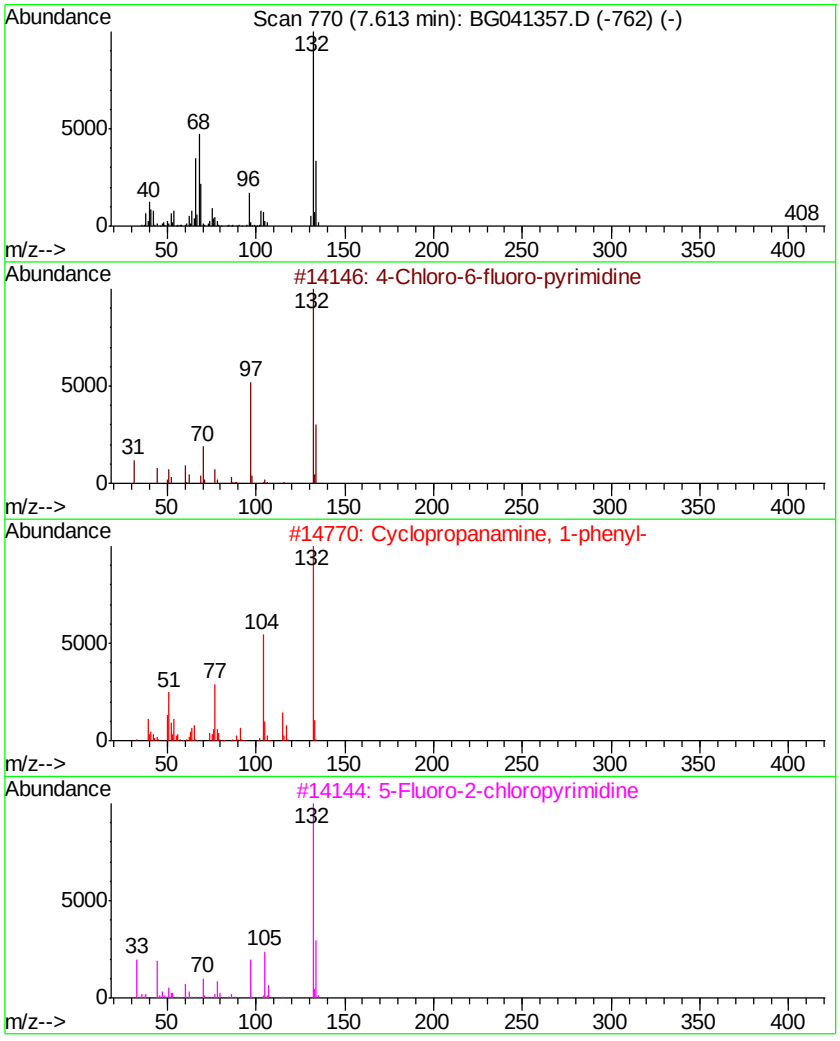
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

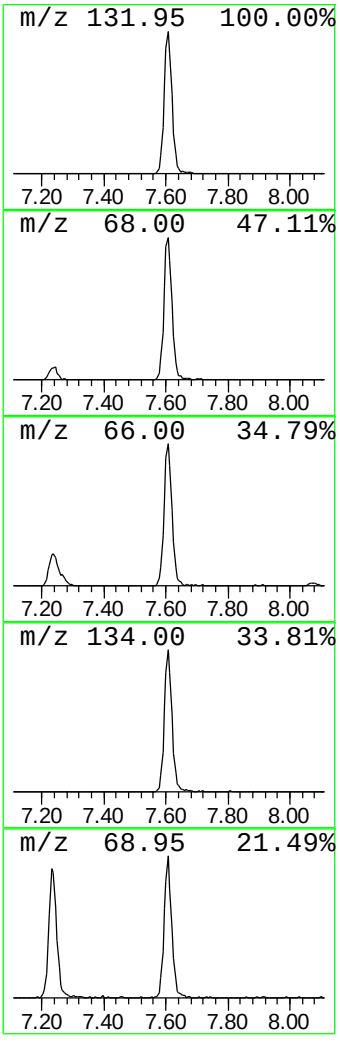
**********

Peak Number 2 unknown7.61 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.61 | 41.01 ng | 590676 | 1,4-Dichlorobenzene-d4 | 8.08 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4-Chloro-6-fluoro-pyrimidine | 132 | C4H2ClFN2 | 051422-01-6 | 27 |
| 2 | Cyclopropanamine, 1-phenyl- | 133 | C9H11N | 1000351-26-2 | 14 |
| 3 | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0 | 12 |
| 4 | Pyrazolo(2,3-a)pyridine, 7-methyl- | 132 | C8H8N2 | 034760-58-2 | 12 |
| 5 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 10 |



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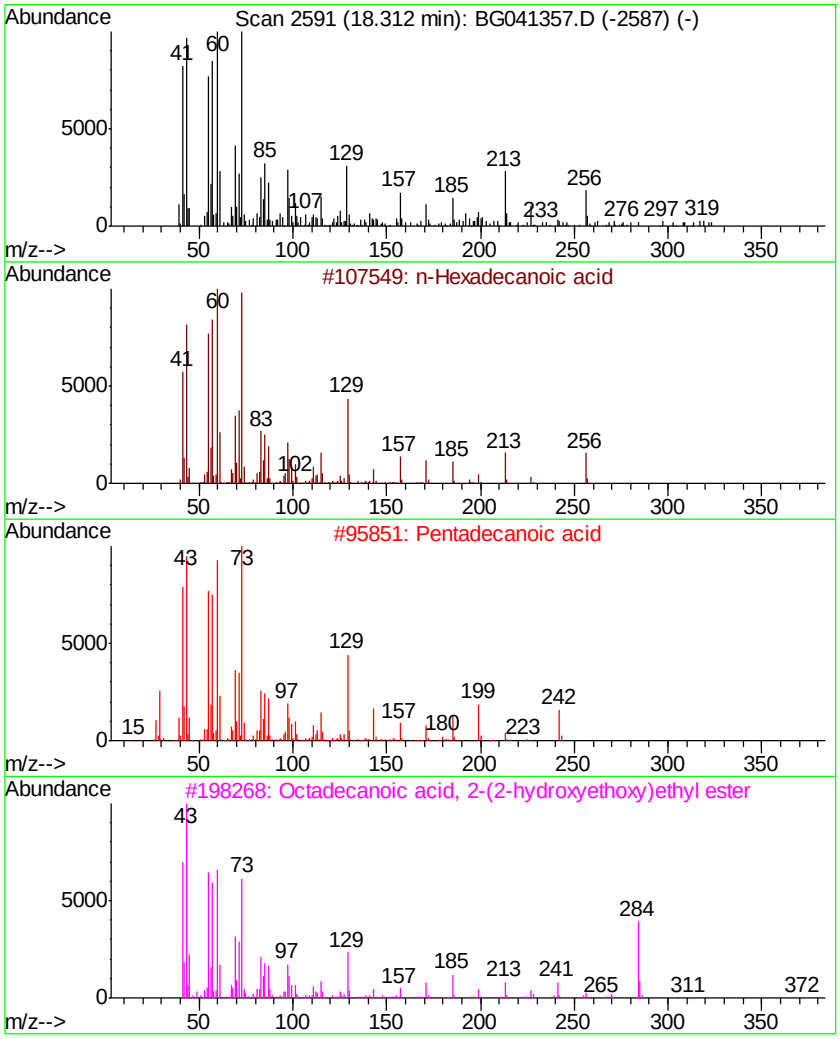
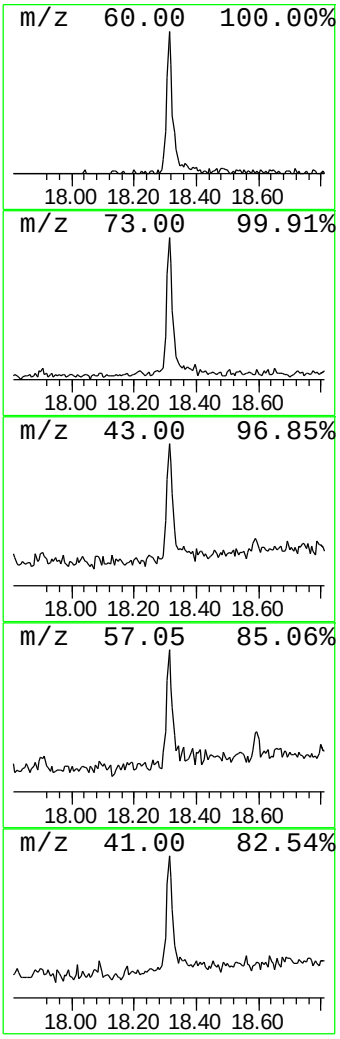
**********

Peak Number 4 n-Hexadecanoic acid Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.31 | 6.05 ng | 194096 | Phenanthrene-d10 | 17.46 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 96 |
| 2 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 86 |
| 3 | Octadecanoic acid, 2-(2-hydroxye... | 372 | C22H44O4 | 000106-11-6 | 78 |
| 4 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 68 |
| 5 | Dodecanoic acid | 200 | C12H24O2 | 000143-07-7 | 64 |



Tentatively Identified Compound (LSC) summary

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| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Butane, 2-methoxy... | 3.15 | 10.1 | ng | 144974 | 1 | 8.08 | 288050 | 20.0 |
| unknown7.61 | 7.61 | 41.0 | ng | 590676 | 1 | 8.08 | 288050 | 20.0 |
| n-Hexadecanoic acid | 18.31 | 6.0 | ng | 194096 | 4 | 17.46 | 642118 | 20.0 |