LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070119\
Data File : BG041561.D
Acq On : 1 Jul 2019 16:25
Operator : HP/JU
Sample : K3555-25
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** GWMH-13

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-BG062619.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 | 4.562 | 246 | 251 | 260 | rVB2 | 55171 | 83186 | 2.90% | 0.702% |
| 2 | 5.567 | 417 | 422 | 433 | rBV | 248853 | 429721 | 15.00% | 3.627% |
| 3 | 7.077 | 675 | 679 | 685 | rVB2 | 35361 | 49617 | 1.73% | 0.419% |
| 4 | 7.189 | 692 | 698 | 714 | rVB | 176461 | 327912 | 11.45% | 2.768% |
| 5 | 7.559 | 754 | 761 | 774 | rVB | 449596 | 762733 | 26.62% | 6.438% |
| 6 | 8.029 | 835 | 841 | 850 | rBV | 116171 | 206050 | 7.19% | 1.739% |
| 7 | 8.352 | 889 | 896 | 908 | rBV | 412912 | 717377 | 25.04% | 6.055% |
| 8 | 9.210 | 1035 | 1042 | 1051 | rBV | 312912 | 593518 | 20.72% | 5.010% |
| 9 | 10.855 | 1315 | 1322 | 1330 | rBV | 130044 | 245451 | 8.57% | 2.072% |
| 10 | 13.293 | 1730 | 1737 | 1748 | rBV | 944940 | 1441008 | 50.30% | 12.163% |
| 11 | 14.674 | 1966 | 1972 | 1989 | rVB2 | 236232 | 397868 | 13.89% | 3.358% |
| 12 | 16.166 | 2220 | 2226 | 2243 | rBV | 756986 | 1226096 | 42.79% | 10.349% |
| 13 | 17.424 | 2433 | 2440 | 2452 | rBV2 | 358283 | 555143 | 19.38% | 4.686% |
| 14 | 18.282 | 2578 | 2586 | 2596 | rBV6 | 20138 | 38547 | 1.35% | 0.325% |
| 15 | 20.027 | 2877 | 2883 | 2893 | rBV | 2248807 | 2865111 | 100.00% | 24.183% |
| 16 | 20.291 | 2924 | 2928 | 2933 | rBV5 | 27087 | 30981 | 1.08% | 0.261% |
| 17 | 20.785 | 3009 | 3012 | 3017 | rVB3 | 28220 | 32510 | 1.13% | 0.274% |
| 18 | 21.290 | 3094 | 3098 | 3104 | rBV2 | 39522 | 60397 | 2.11% | 0.510% |
| 19 | 21.695 | 3161 | 3167 | 3180 | rVB | 436012 | 741701 | 25.89% | 6.260% |
| 20 | 21.836 | 3186 | 3191 | 3195 | rVB | 44444 | 62885 | 2.19% | 0.531% |
| 21 | 22.447 | 3289 | 3295 | 3303 | rVB | 40013 | 66905 | 2.34% | 0.565% |
| 22 | 23.141 | 3407 | 3413 | 3420 | rBV3 | 45220 | 91909 | 3.21% | 0.776% |
| 23 | 23.945 | 3544 | 3550 | 3557 | rVB2 | 31502 | 67181 | 2.34% | 0.567% |
| 24 | 24.897 | 3706 | 3712 | 3717 | rBV3 | 23473 | 54765 | 1.91% | 0.462% |
| 25 | 24.980 | 3717 | 3726 | 3739 | rVB2 | 232525 | 699030 | 24.40% | 5.900% |

Sum of corrected areas: 11847602

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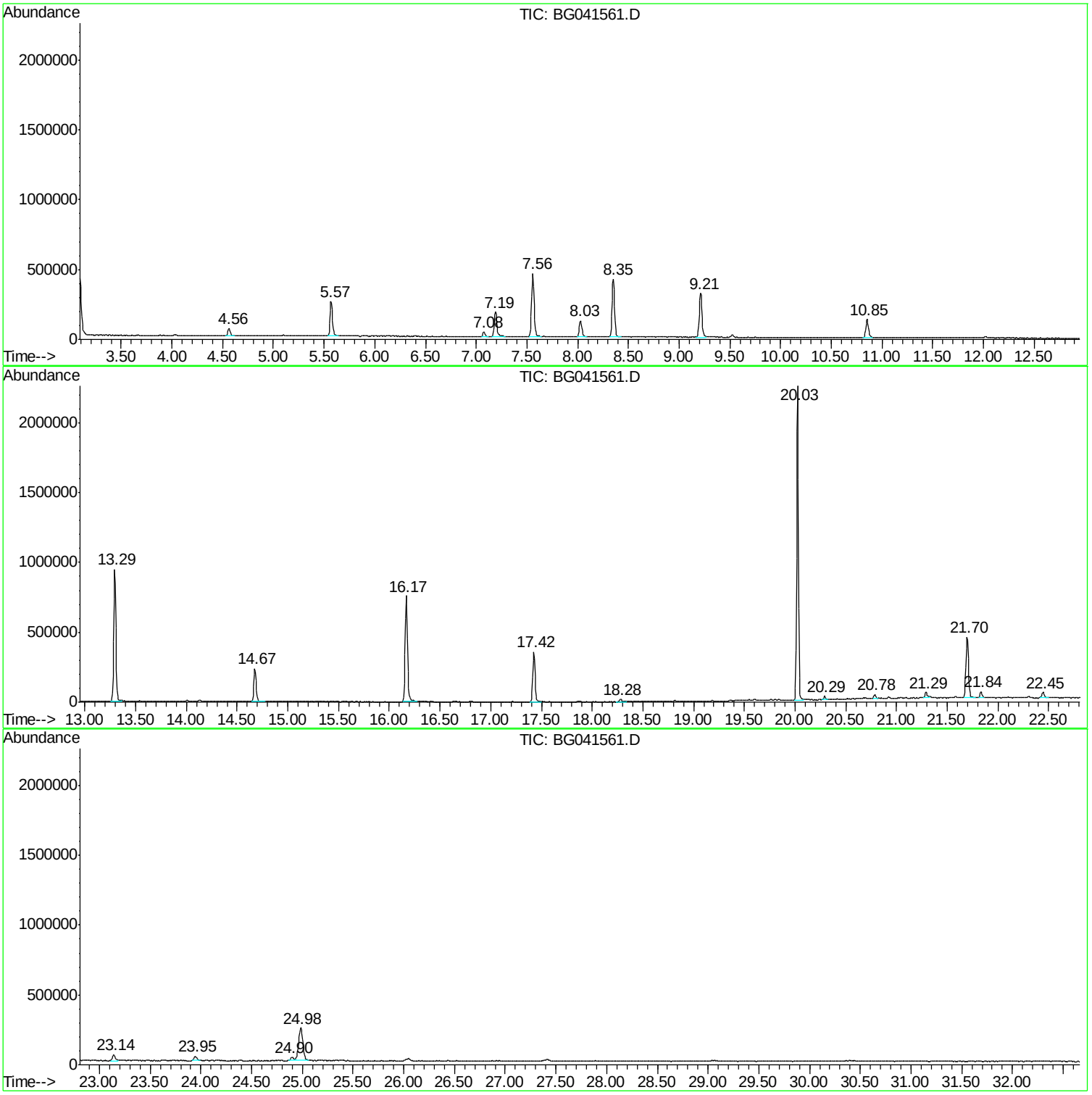
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** GWMH-13

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG062619.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

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070119\
Data File : BG041561.D
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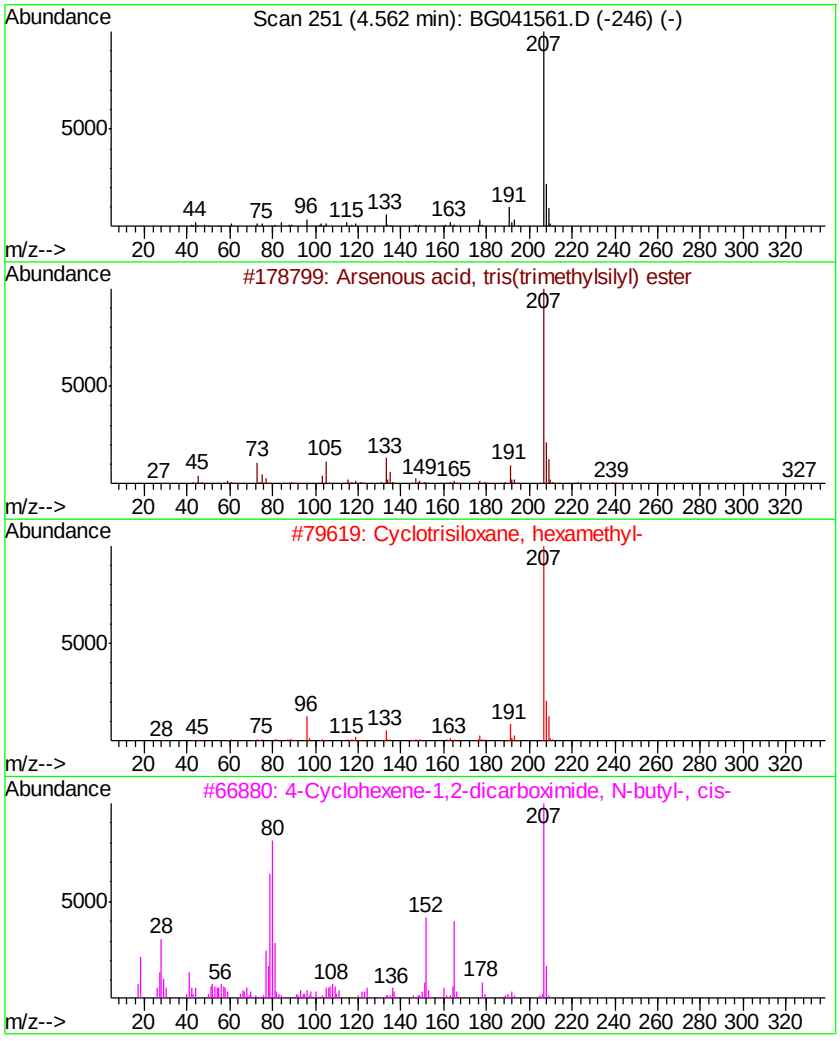
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

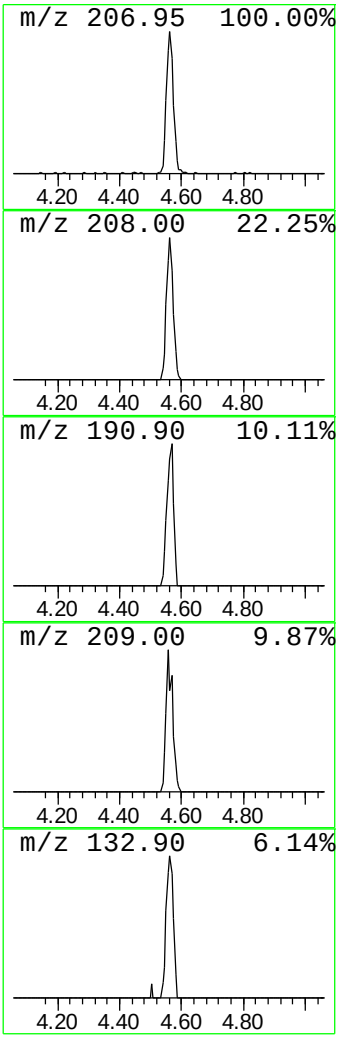
**********

Peak Number 1 Arsenous acid, tris(trimeth... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.56 | 8.07 ng | 83186 | 1,4-Dichlorobenzene-d4 | 8.03 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Arsenous acid, tris(trimethylsil... | 342 | C9H27AsO3Si3 | 055429-29-3 | 78 |
| 2 | Cyclotrisiloxane, hexamethyl- | 222 | C6H18O3Si3 | 000541-05-9 | 72 |
| 3 | 4-Cyclohexene-1,2-dicarboximide,... | 207 | C12H17NO2 | 028916-00-9 | 42 |
| 4 | Benzo[h]quinoline, 2,4-dimethyl- | 207 | C15H13N | 000605-67-4 | 39 |
| 5 | 1H-Indole, 1-methyl-2-phenyl- | 207 | C15H13N | 003558-24-5 | 39 |



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Sample : K3555-25
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ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** GWMH-13

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG062619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

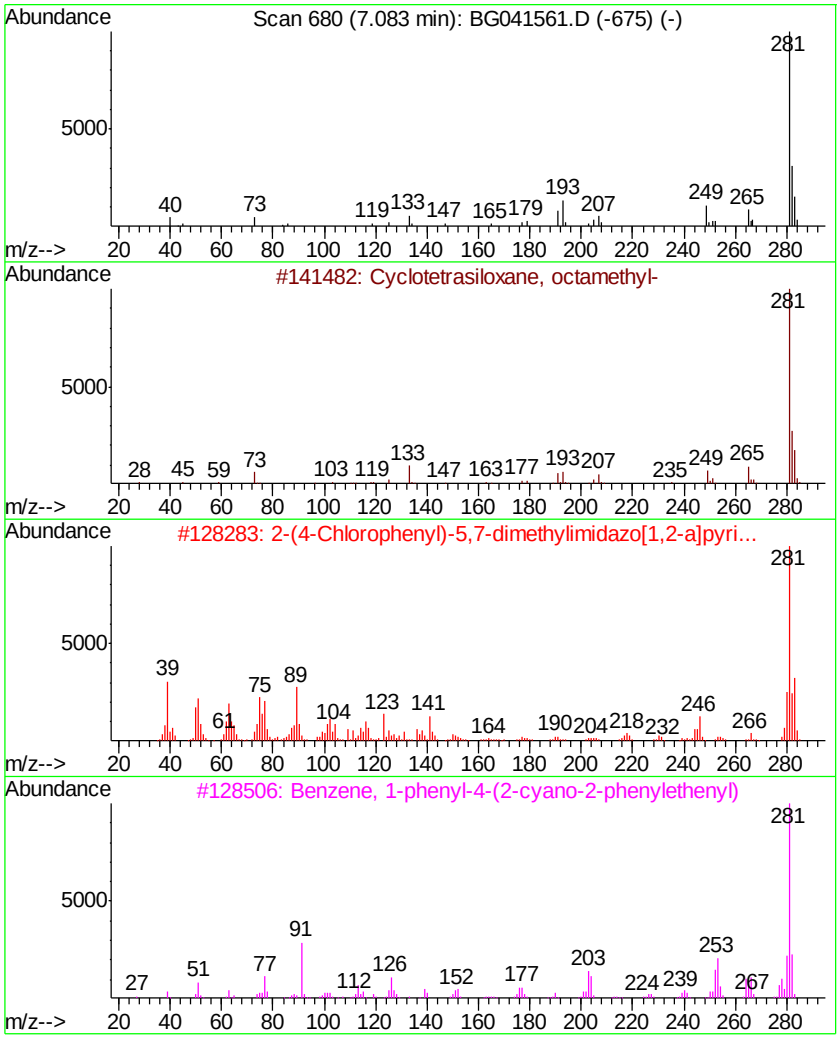
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

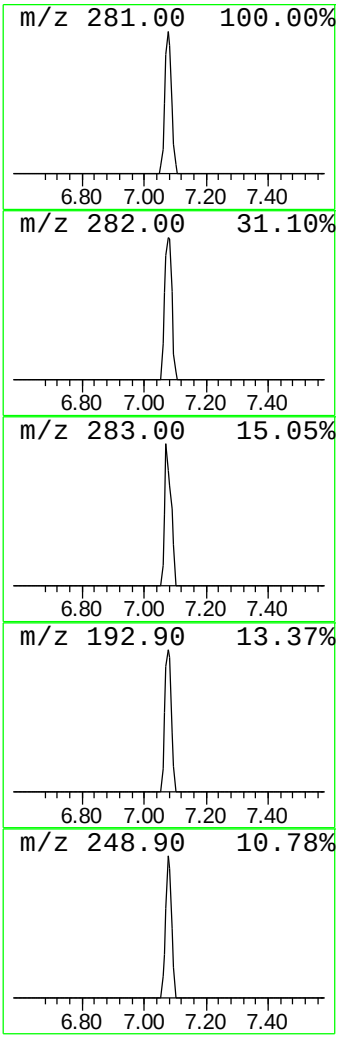
**********

Peak Number 2 Cyclotetrasiloxane, octamet... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.08 | 4.82 ng | 49617 | 1,4-Dichlorobenzene-d4 | 8.03 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclotetrasiloxane, octamethyl- | 296 | C8H24O4Si4 | 000556-67-2 | 91 |
| 2 | 2-(4-Chlorophenyl)-5,7-dimethyli... | 281 | C16H12ClN3 | 1000305-50-9 | 50 |
| 3 | Benzene, 1-phenyl-4-(2-cyano-2-p... | 281 | C21H15N | 027869-56-3 | 50 |
| 4 | 6-Chloro-3-ethyl-2-methyl-4-phen... | 281 | C18H16ClN | 022609-09-2 | 50 |
| 5 | 4H-1,2,4-Triazole-3-thiol, 4-all... | 281 | C16H15N3S | 031803-13-1 | 47 |



Library Search Compound Report

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Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** GWMH-13

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG062619.M
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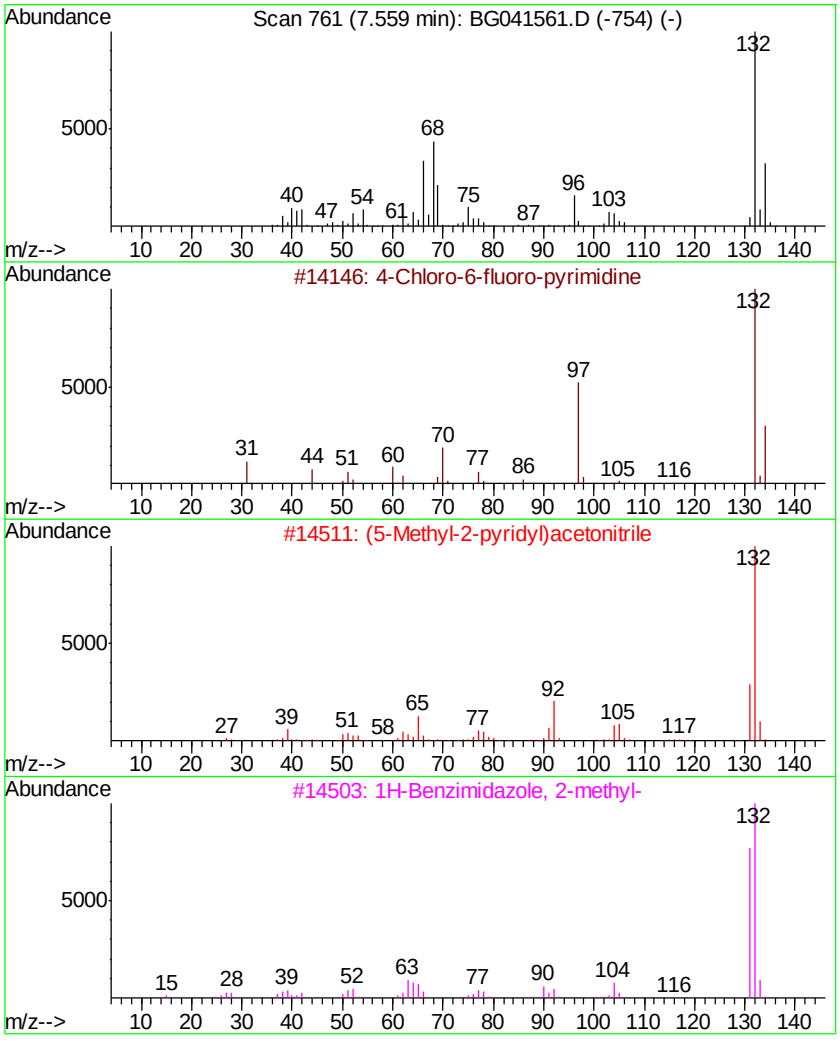
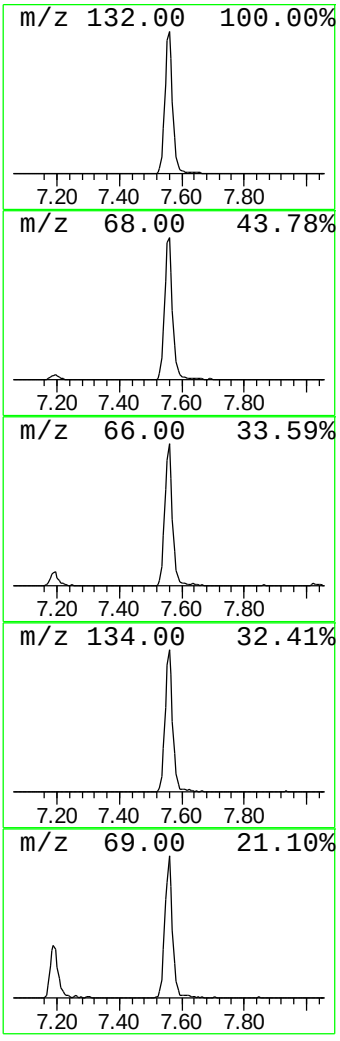
**********

Peak Number 3 unknown7.56 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.56 | 74.03 ng | 762733 | 1,4-Dichlorobenzene-d4 | 8.03 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4-Chloro-6-fluoro-pyrimidine | 132 | C4H2ClFN2 | 051422-01-6 | 27 |
| 2 | (5-Methyl-2-pyridyl)acetonitrile | 132 | C8H8N2 | 1000241-93-9 | 22 |
| 3 | 1H-Benzimidazole, 2-methyl- | 132 | C8H8N2 | 000615-15-6 | 22 |
| 4 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 22 |
| 5 | Imidazole, 4,5-dicyano-1-methyl- | 132 | C6H4N4 | 019485-35-9 | 22 |



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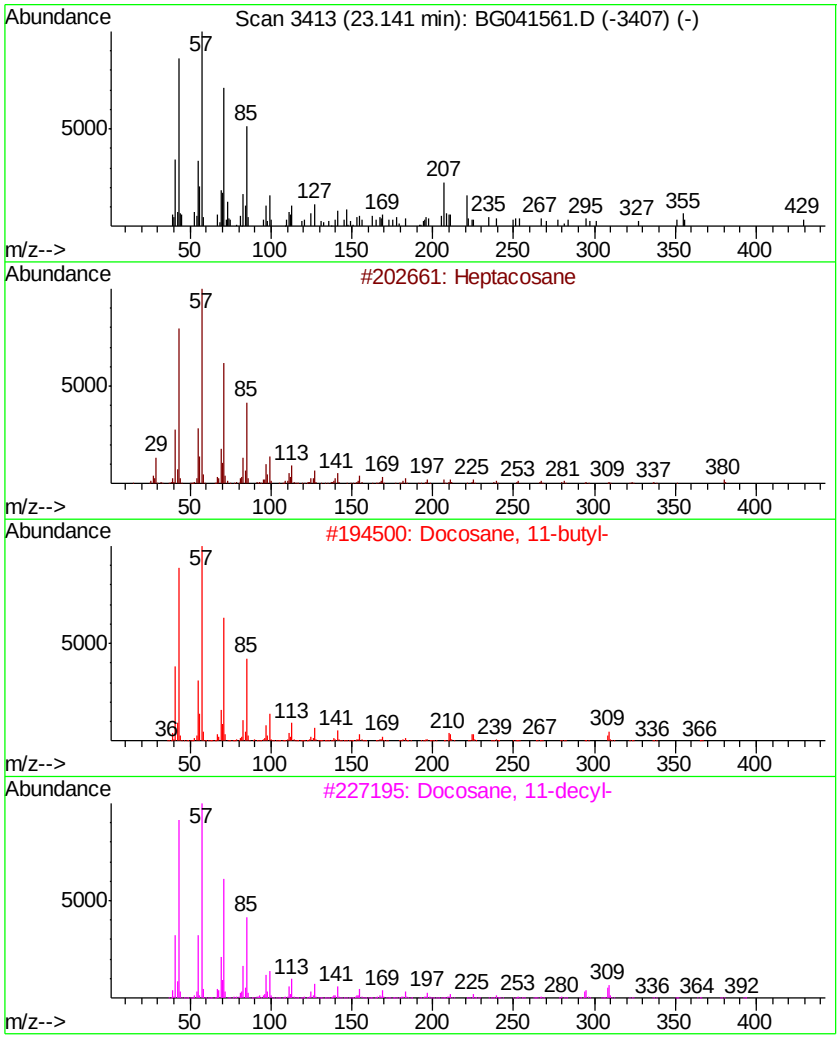
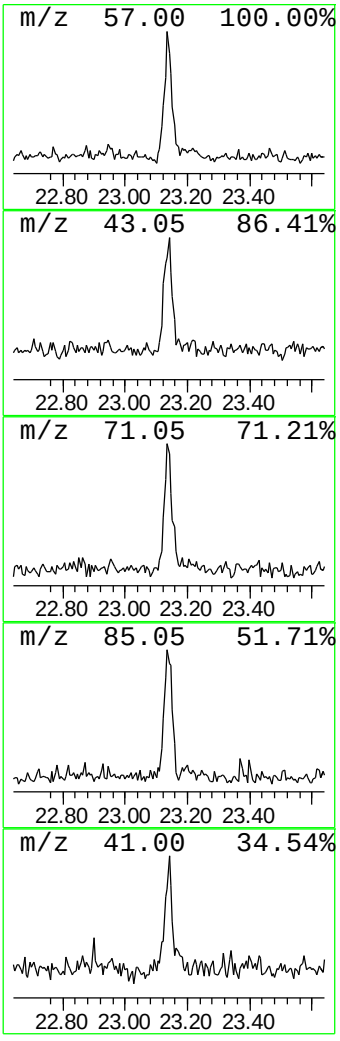
**********

Peak Number 5 Heptacosane Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.14 | 2.48 ng | 91909 | Chrysene-d12 | 21.70 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptacosane | 380 | C27H56 | 000593-49-7 | 60 |
| 2 | Docosane, 11-butyl- | 366 | C26H54 | 013475-76-8 | 60 |
| 3 | Docosane, 11-decyl- | 451 | C32H66 | 055401-55-3 | 60 |
| 4 | Pentadecane, 8-hexyl- | 296 | C21H44 | 013475-75-7 | 53 |
| 5 | Hexacosane | 366 | C26H54 | 000630-01-3 | 53 |



# Tentatively Identified Compound (LSC) summary

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| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Arsenous acid, tr... | 4.56 | 8.1 | ng | 83186 | 1 | 8.03 | 206050 | 20.0 |
| Cyclotetrasiloxan... | 7.08 | 4.8 | ng | 49617 | 1 | 8.03 | 206050 | 20.0 |
| unknown7.56 | 7.56 | 74.0 | ng | 762733 | 1 | 8.03 | 206050 | 20.0 |
| Heptacosane | 23.14 | 2.5 | ng | 91909 | 5 | 21.70 | 741701 | 20.0 |