LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082719\
Data File : BG042521.D
Acq On : 28 Aug 2019 1:56
Operator : HP/JU
Sample : K4516-17
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** T2-S-B1-B4

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-BG082219.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 | 3.117 | 3 | 5 | 26 | rVB | 897809 | 1243406 | 41.37% | 7.700% |
| 2 | 5.555 | 413 | 420 | 435 | rBV | 537819 | 872543 | 29.03% | 5.403% |
| 3 | 7.165 | 685 | 694 | 710 | rBV | 535816 | 963219 | 32.05% | 5.965% |
| 4 | 7.529 | 748 | 756 | 770 | rBV | 574844 | 1008613 | 33.56% | 6.246% |
| 5 | 7.999 | 828 | 836 | 843 | rBV | 118369 | 201485 | 6.70% | 1.248% |
| 6 | 8.323 | 884 | 891 | 900 | rBV | 470614 | 823657 | 27.41% | 5.100% |
| 7 | 9.169 | 1027 | 1035 | 1047 | rBV | 310089 | 590878 | 19.66% | 3.659% |
| 8 | 10.820 | 1310 | 1316 | 1330 | rBV | 137747 | 265186 | 8.82% | 1.642% |
| 9 | 13.276 | 1727 | 1734 | 1757 | rBV | 966716 | 1560775 | 51.94% | 9.665% |
| 10 | 14.104 | 1869 | 1875 | 1887 | rBV | 119517 | 193087 | 6.43% | 1.196% |
| 11 | 14.656 | 1962 | 1969 | 1981 | rBV | 266414 | 430283 | 14.32% | 2.665% |
| 12 | 16.149 | 2216 | 2223 | 2247 | rBV | 969347 | 1599874 | 53.24% | 9.907% |
| 13 | 16.360 | 2252 | 2259 | 2270 | rVB2 | 13684 | 35184 | 1.17% | 0.218% |
| 14 | 17.412 | 2430 | 2438 | 2451 | rBV2 | 380909 | 619432 | 20.61% | 3.836% |
| 15 | 17.529 | 2451 | 2458 | 2465 | rVB4 | 19114 | 32299 | 1.07% | 0.200% |
| 16 | 19.468 | 2782 | 2788 | 2793 | rBV | 24507 | 38711 | 1.29% | 0.240% |
| 17 | 19.827 | 2838 | 2849 | 2854 | rBV | 25511 | 55659 | 1.85% | 0.345% |
| 18 | 20.021 | 2876 | 2882 | 2890 | rBV | 2208398 | 3005242 | 100.00% | 18.610% |
| 19 | 21.331 | 3101 | 3105 | 3109 | rBV3 | 25311 | 46629 | 1.55% | 0.289% |
| 20 | 21.683 | 3158 | 3165 | 3179 | rVB2 | 518574 | 896693 | 29.84% | 5.553% |
| 21 | 22.488 | 3298 | 3302 | 3308 | rBV3 | 30715 | 45216 | 1.50% | 0.280% |
| 22 | 23.187 | 3416 | 3421 | 3428 | rVB2 | 46932 | 88727 | 2.95% | 0.549% |
| 23 | 23.381 | 3447 | 3454 | 3464 | rVB | 184937 | 373932 | 12.44% | 2.316% |
| 24 | 23.998 | 3555 | 3559 | 3568 | rVB2 | 41520 | 87400 | 2.91% | 0.541% |
| 25 | 24.927 | 3706 | 3717 | 3733 | rBV2 | 323582 | 1007518 | 33.53% | 6.239% |
| 26 | 26.096 | 3910 | 3916 | 3925 | rVB5 | 21392 | 62953 | 2.09% | 0.390% |

Sum of corrected areas: 16148601

LSC Report - Integrated Chromatogram

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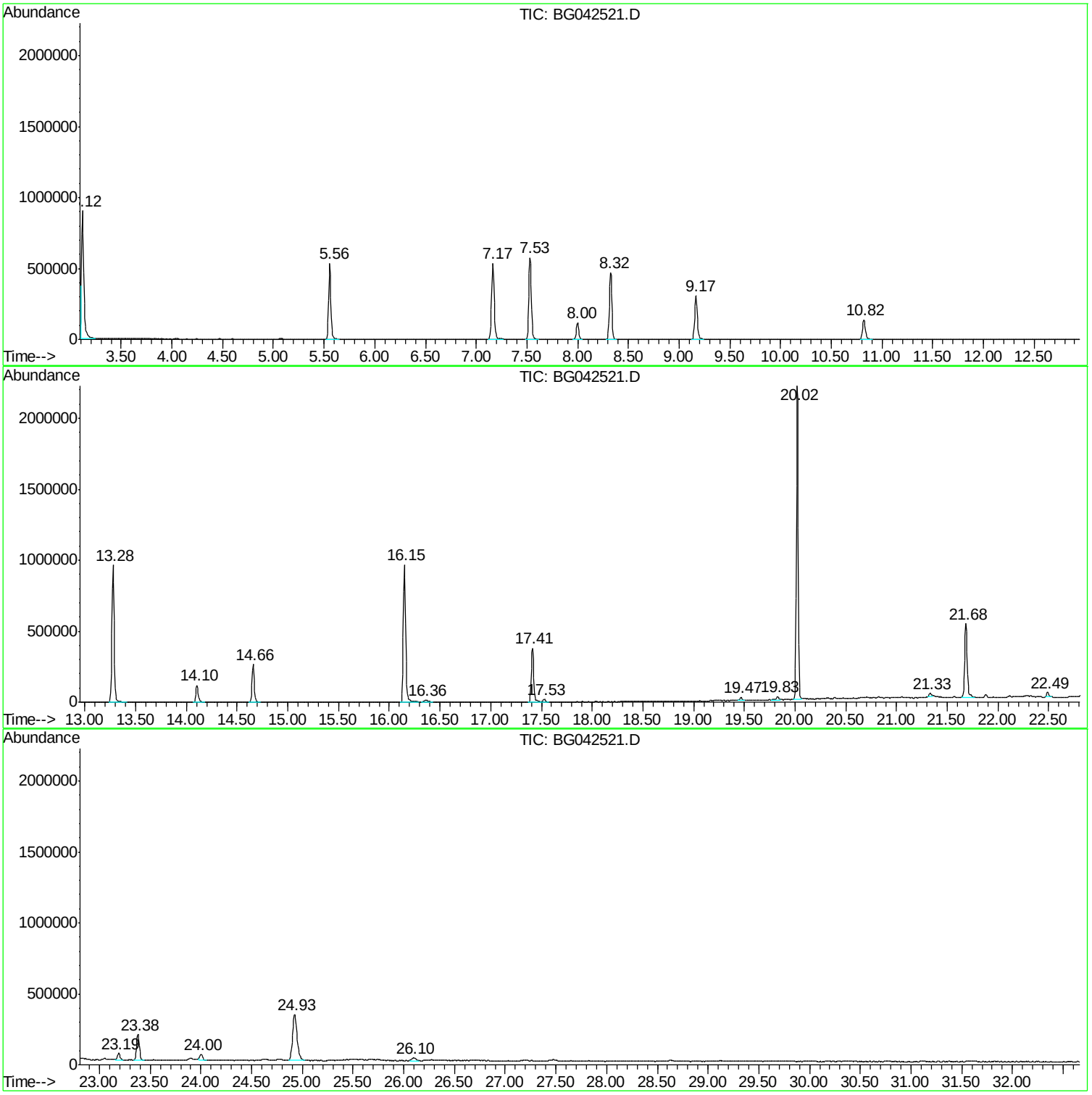
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** T2-S-B1-B4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG082219.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\BG082719\
Data File : BG042521.D
Acq On : 28 Aug 2019 1:56
Operator : HP/JU
Sample : K4516-17
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** T2-S-B1-B4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG082219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

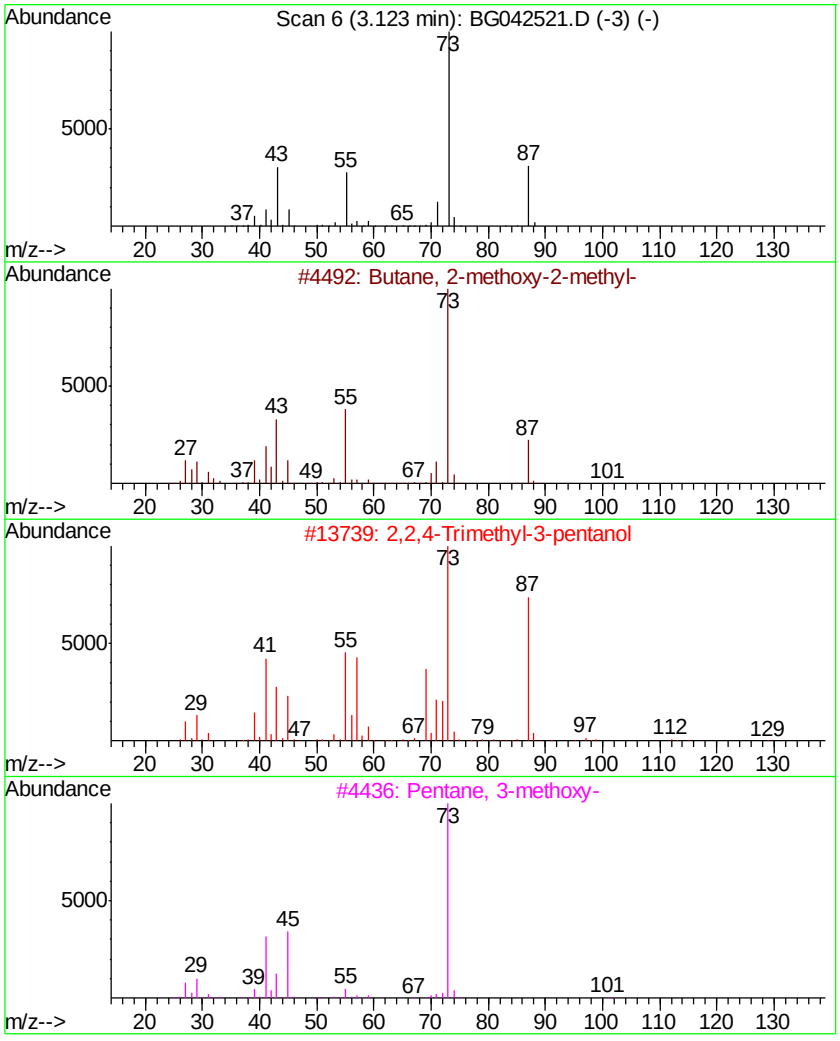
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

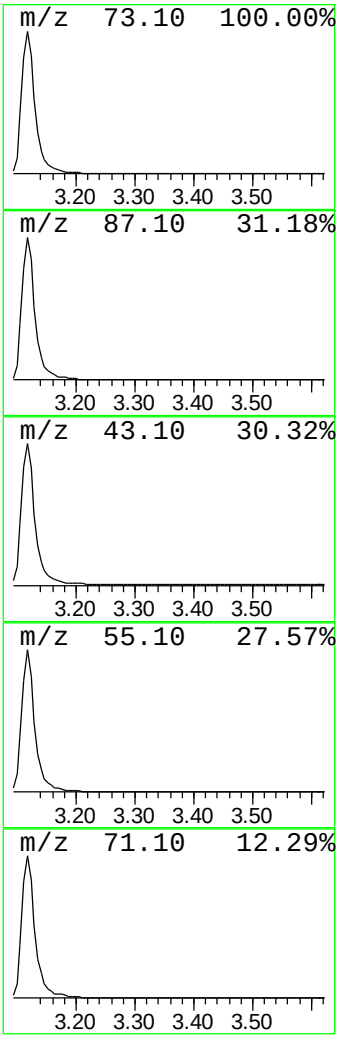
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.12 | 123.42 ng | 1243410 | 1,4-Dichlorobenzene-d4 | 8.00 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 83 |
| 2 | 2,2,4-Trimethyl-3-pentanol | 130 | C8H18O | 005162-48-1 | 39 |
| 3 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 23 |
| 4 | Acetamide, N-ethyl- | 87 | C4H9NO | 000625-50-3 | 9 |
| 5 | 1,3-Dioxolane, 2-methyl- | 88 | C4H8O2 | 000497-26-7 | 9 |



Library Search Compound Report

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Data File : BG042521.D
Acq On : 28 Aug 2019 1:56
Operator : HP/JU
Sample : K4516-17
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** T2-S-B1-B4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG082219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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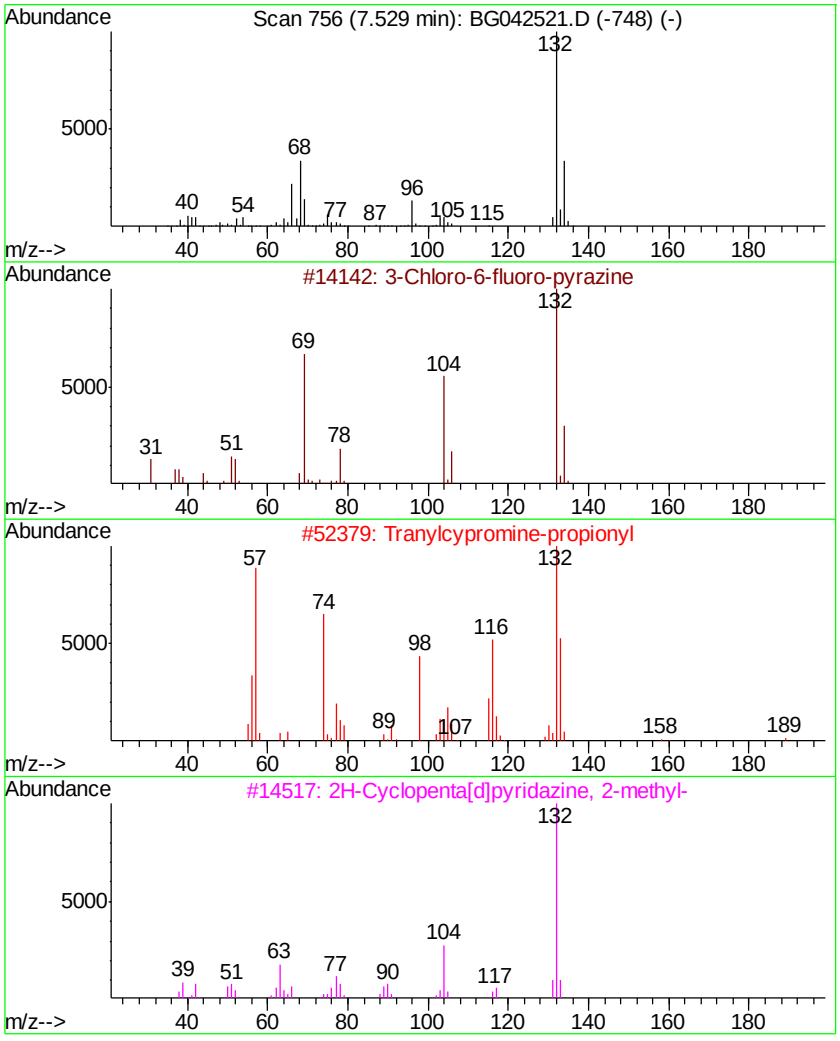
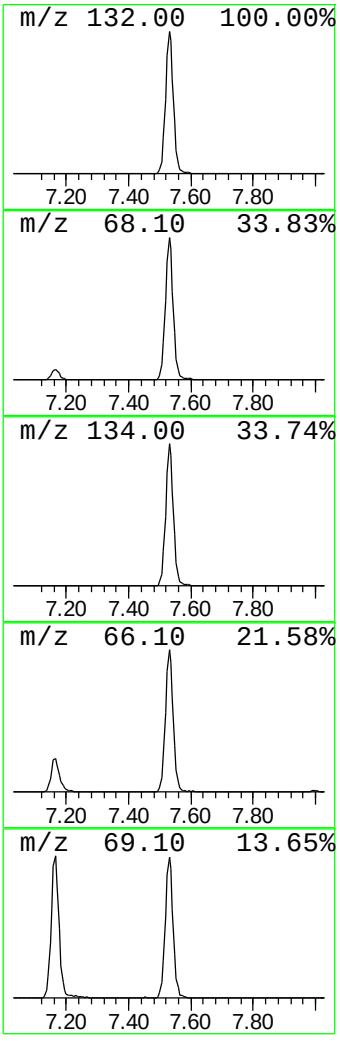
Peak Number 2 unknown7.53 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.53 | 100.12 ng | 1008610 | 1,4-Dichlorobenzene-d4 | 8.00 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 25 |
| 2 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 16 |
| 3 | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2 | 022291-85-6 | 9 |
| 4 | Cyclopropanamine, 1-phenyl- | 133 | C9H11N | 1000351-26-2 | 9 |
| 5 | 1-Methylpyrrolo[1,2-a]pyrazine | 132 | C8H8N2 | 064608-59-9 | 9 |



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Operator : HP/JU
Sample : K4516-17
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** T2-S-B1-B4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG082219.M
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TIC Library : C:\Database\NIST11.L
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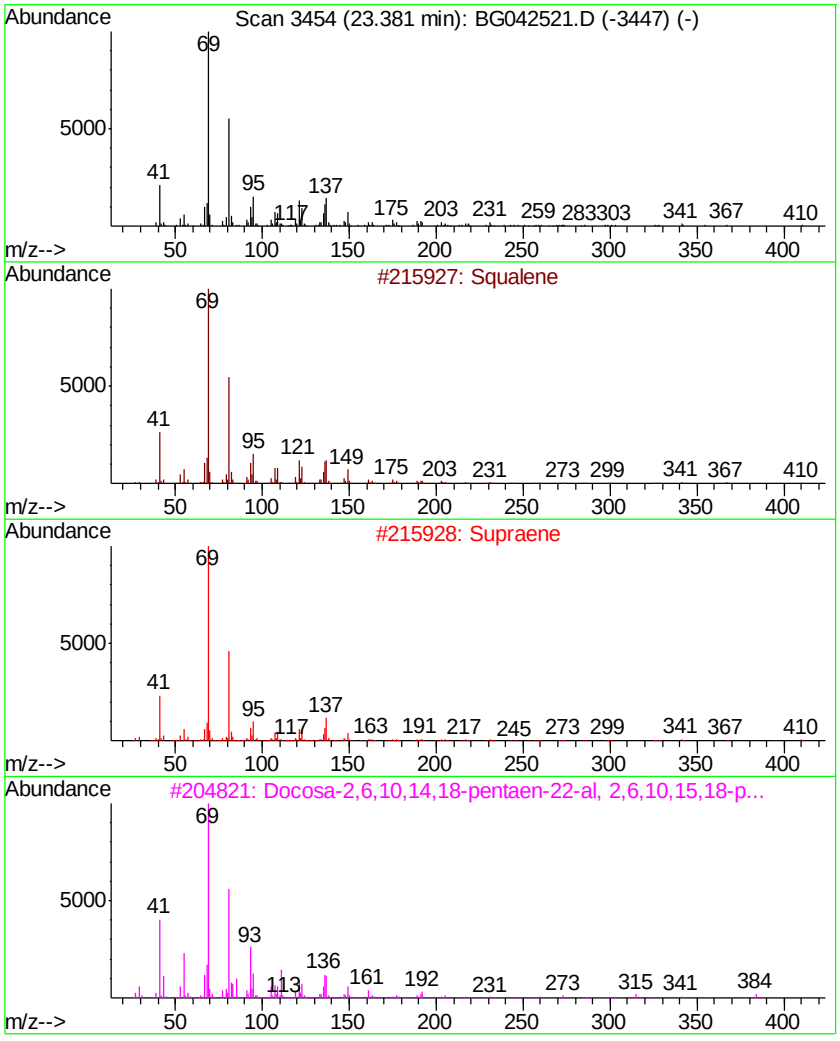
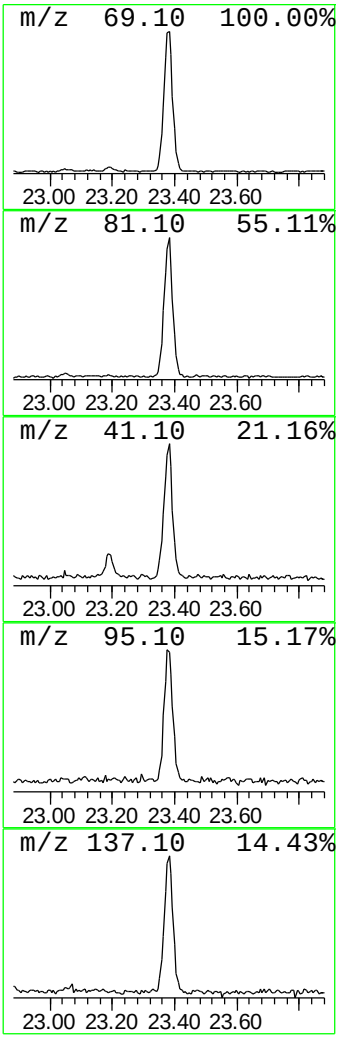
Peak Number 4 Squalene Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.38 | 7.42 ng | 373932 | Perylene-d12 | 24.93 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Squalene | 410 | C30H50 | 000111-02-4 | 99 |
| 2 | Supraene | 410 | C30H50 | 007683-64-9 | 98 |
| 3 | Docosa-2,6,10,14,18-pentaen-22-a... | 384 | C27H44O | 1000163-04-7 | 83 |
| 4 | 1,5,9-Undecatriene, 2,6,10-trime... | 192 | C14H24 | 062951-96-6 | 74 |
| 5 | 1,5,9-Decatriene, 2,3,5,8-tetram... | 192 | C14H24 | 230646-72-7 | 72 |



Tentatively Identified Compound (LSC) summary

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG082219.M
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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... | 3.12 | 123.4 | ng | 1243410 | 1 | 8.00 | 201485 | 20.0 |
| unknown7.53 | 7.53 | 100.1 | ng | 1008610 | 1 | 8.00 | 201485 | 20.0 |
| Squalene | 23.38 | 7.4 | ng | 373932 | 6 | 24.93 | 1007520 | 20.0 |