# LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102918\
Data File : BG037632.D
Acq On : 29 Oct 2018 21:06
Operator : JU/SJ
Sample : J5665-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** DL-08A

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-BG101818.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 | 5.180 | 317 | 322 | 332 | rVB | 57508 | 94997 | 2.88% | 0.451% |
| 2 | 5.639 | 393 | 400 | 410 | rBV | 856384 | 1447510 | 43.85% | 6.866% |
| 3 | 7.248 | 666 | 674 | 684 | rBV | 934782 | 1819535 | 55.12% | 8.631% |
| 4 | 7.624 | 730 | 738 | 750 | rBV | 875700 | 1565592 | 47.43% | 7.426% |
| 5 | 8.100 | 812 | 819 | 833 | rVB | 198798 | 359284 | 10.88% | 1.704% |
| 6 | 8.424 | 866 | 874 | 886 | rBV | 617954 | 1114975 | 33.78% | 5.289% |
| 7 | 9.275 | 1012 | 1019 | 1029 | rBV | 550314 | 1031960 | 31.26% | 4.895% |
| 8 | 10.921 | 1290 | 1299 | 1306 | rBV | 295591 | 550434 | 16.68% | 2.611% |
| 9 | 13.359 | 1704 | 1714 | 1729 | rBV | 1559431 | 2564262 | 77.69% | 12.163% |
| 10 | 14.176 | 1845 | 1853 | 1866 | rVB | 202749 | 317378 | 9.62% | 1.505% |
| 11 | 14.734 | 1939 | 1948 | 1957 | rBV2 | 481922 | 832967 | 25.24% | 3.951% |
| 12 | 16.220 | 2194 | 2201 | 2215 | rVB | 1122502 | 1763618 | 53.43% | 8.365% |
| 13 | 17.483 | 2409 | 2416 | 2427 | rBV2 | 626479 | 1022889 | 30.99% | 4.852% |
| 14 | 18.335 | 2556 | 2561 | 2569 | rBV | 130688 | 221763 | 6.72% | 1.052% |
| 15 | 19.522 | 2760 | 2763 | 2770 | rVB2 | 25547 | 40745 | 1.23% | 0.193% |
| 16 | 19.605 | 2771 | 2777 | 2783 | rBV4 | 47672 | 74550 | 2.26% | 0.354% |
| 17 | 19.887 | 2822 | 2825 | 2832 | rVB | 26039 | 40214 | 1.22% | 0.191% |
| 18 | 20.080 | 2852 | 2858 | 2871 | rBV | 2458401 | 3300771 | 100.00% | 15.656% |
| 19 | 20.850 | 2985 | 2989 | 2995 | rBV4 | 20417 | 33847 | 1.03% | 0.161% |
| 20 | 21.379 | 3073 | 3079 | 3093 | rBV3 | 114544 | 318488 | 9.65% | 1.511% |
| 21 | 21.767 | 3137 | 3145 | 3152 | rBV | 597758 | 1087429 | 32.94% | 5.158% |
| 22 | 21.919 | 3168 | 3171 | 3177 | rVB2 | 29251 | 39607 | 1.20% | 0.188% |
| 23 | 22.542 | 3273 | 3277 | 3282 | rVB2 | 31896 | 54508 | 1.65% | 0.259% |
| 24 | 23.259 | 3393 | 3399 | 3406 | rVB2 | 46117 | 99628 | 3.02% | 0.473% |
| 25 | 24.082 | 3534 | 3539 | 3546 | rVB2 | 52280 | 119661 | 3.63% | 0.568% |
| 26 | 25.098 | 3699 | 3712 | 3728 | rBV2 | 304713 | 1071921 | 32.47% | 5.084% |
| 27 | 26.226 | 3898 | 3904 | 3913 | rVB5 | 33092 | 93992 | 2.85% | 0.446% |

Sum of corrected areas: 21082525

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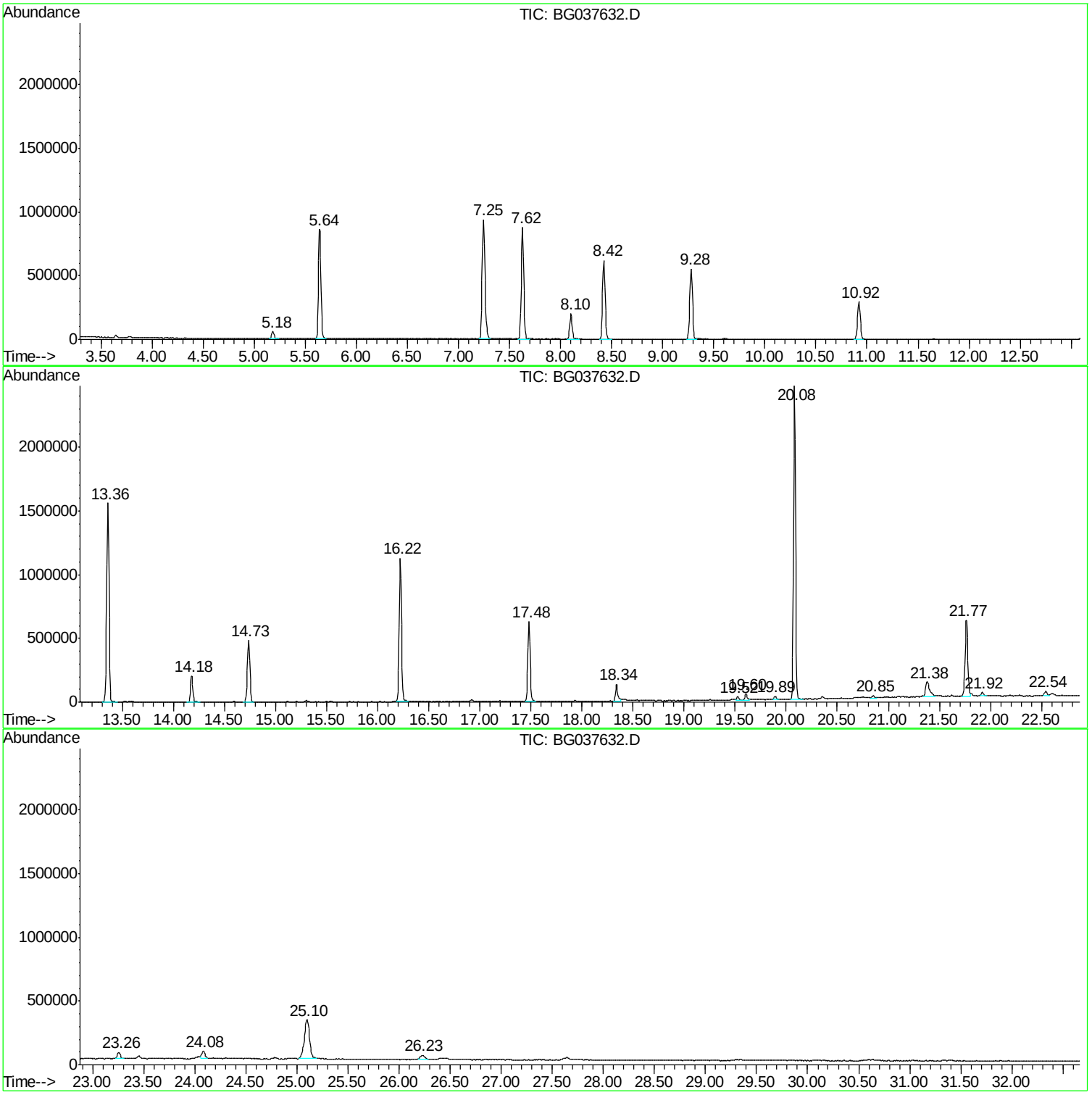
**Instrument :**
BNA_G
**ClientSampleId :**
DL-08A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG101818.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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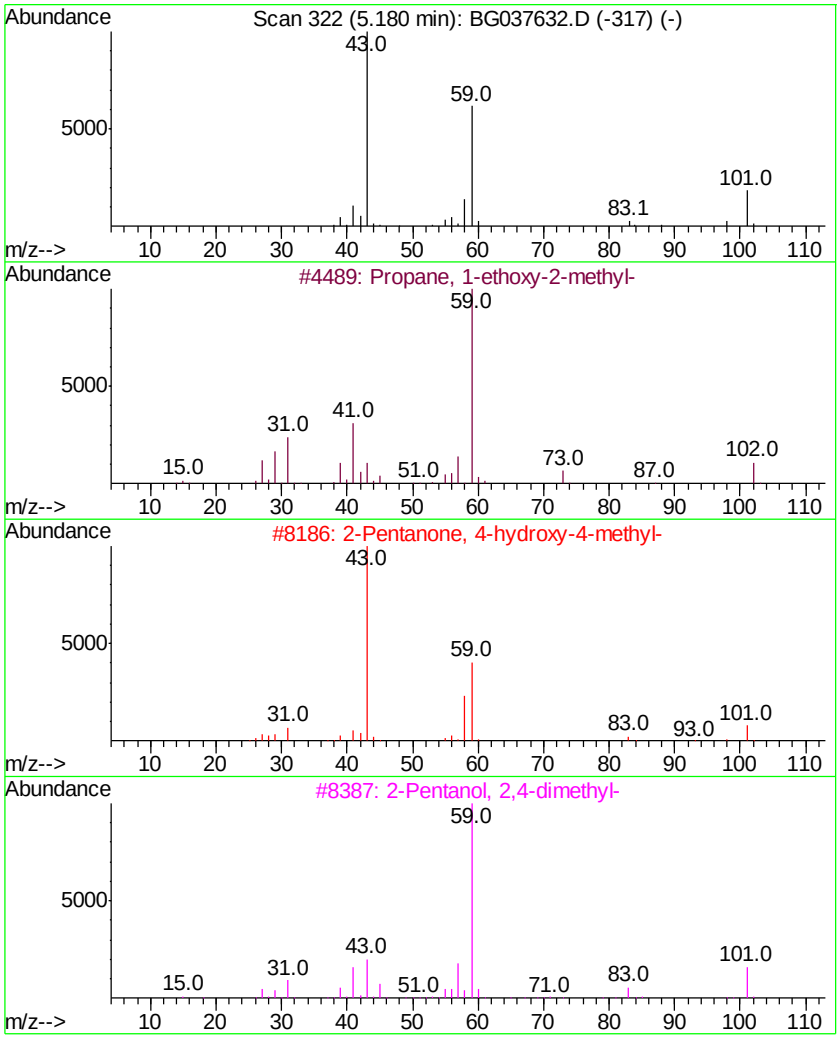
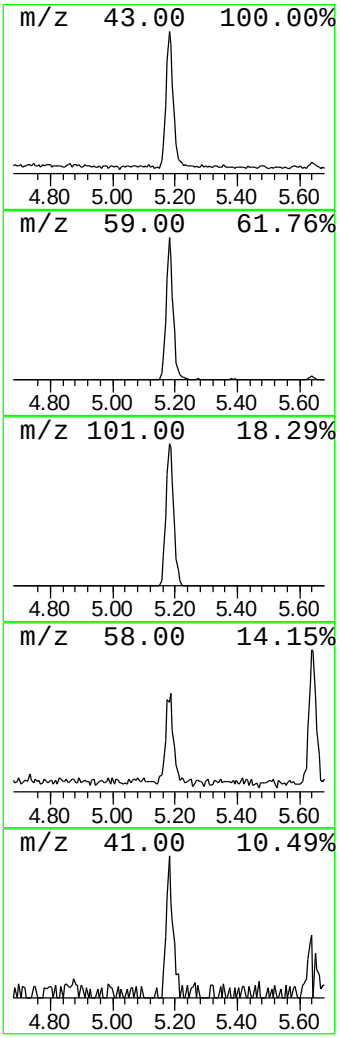
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.18 | 5.29 ng | 94997 | 1,4-Dichlorobenzene-d4 | 8.10 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propane, 1-ethoxy-2-methyl- | 102 | C6H14O | 000627-02-1 | 43 |
| 2 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 42 |
| 3 | 2-Pentanol, 2,4-dimethyl- | 116 | C7H16O | 000625-06-9 | 38 |
| 4 | 1,2-Butanediol | 90 | C4H10O2 | 000584-03-2 | 28 |
| 5 | 3-Hydroxy-3-methyl-2-butanone | 102 | C5H10O2 | 000115-22-0 | 23 |



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**ClientSampleId :** DL-08A

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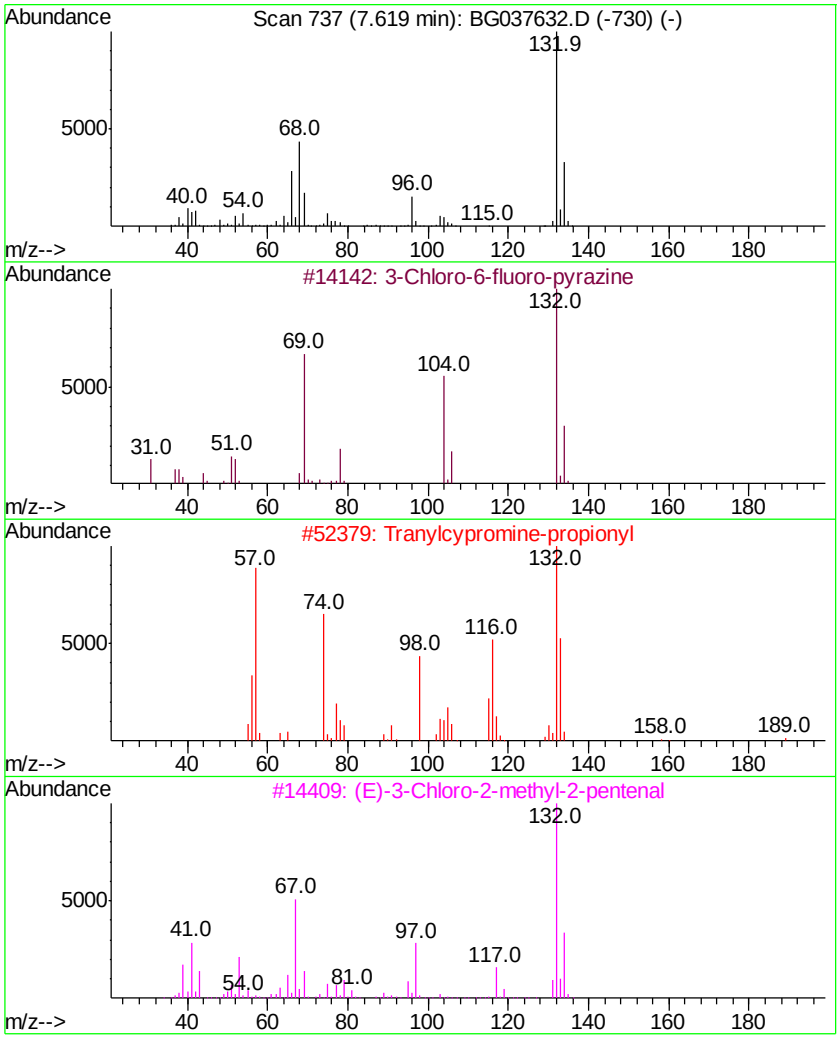
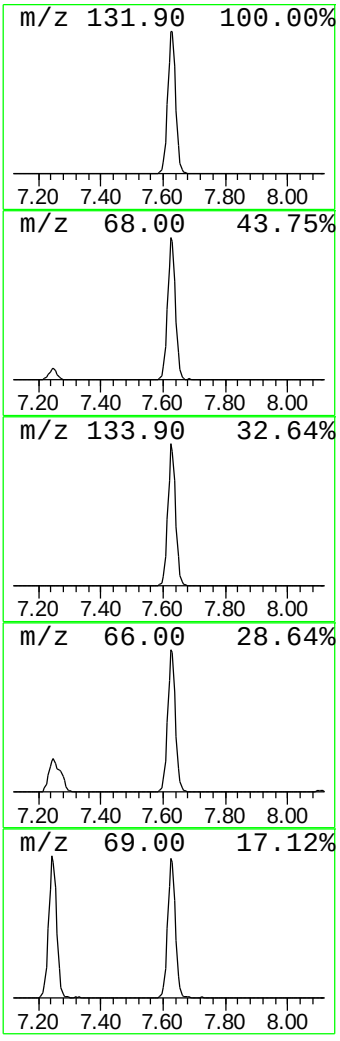
Peak Number 2 unknown7.62 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.62 | 87.15 ng | 1565590 | 1,4-Dichlorobenzene-d4 | 8.10 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 27 |
| 2 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 12 |
| 3 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 12 |
| 4 | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12 | 028749-81-7 | 9 |
| 5 | Benzene, 1-ethenyl-3,5-dimethyl- | 132 | C10H12 | 005379-20-4 | 9 |



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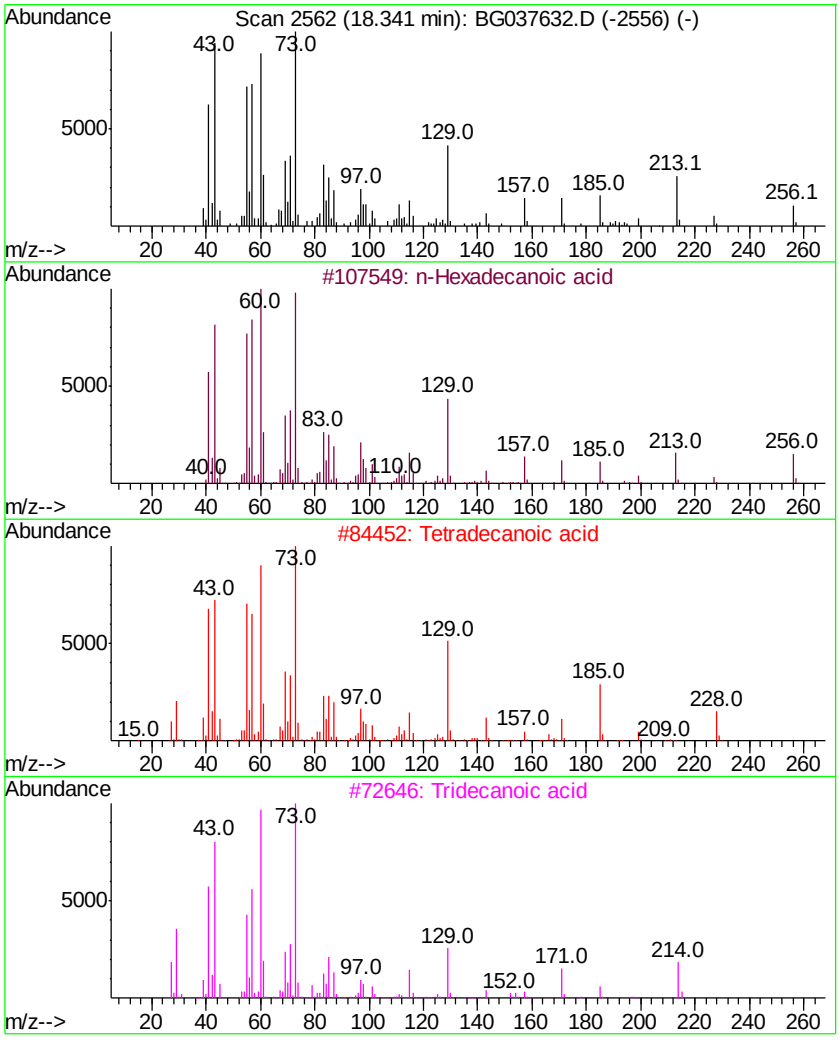
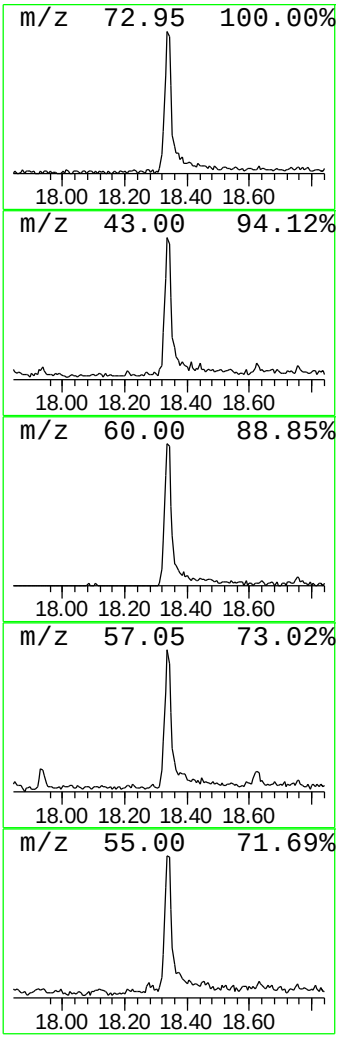
Peak Number 4 n-Hexadecanoic acid Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.34 | 4.34 ng | 221763 | Phenanthrene-d10 | 17.48 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99 |
| 2 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 94 |
| 3 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 81 |
| 4 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 81 |
| 5 | Dodecanoic acid | 200 | C12H24O2 | 000143-07-7 | 58 |



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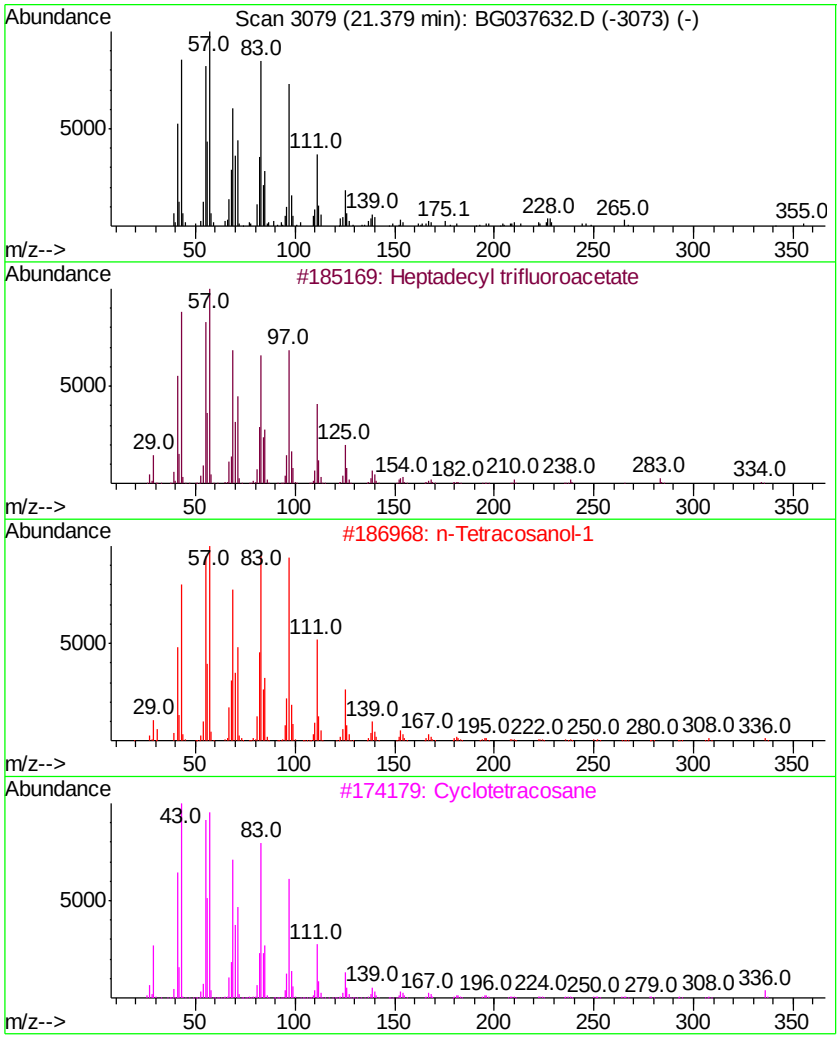
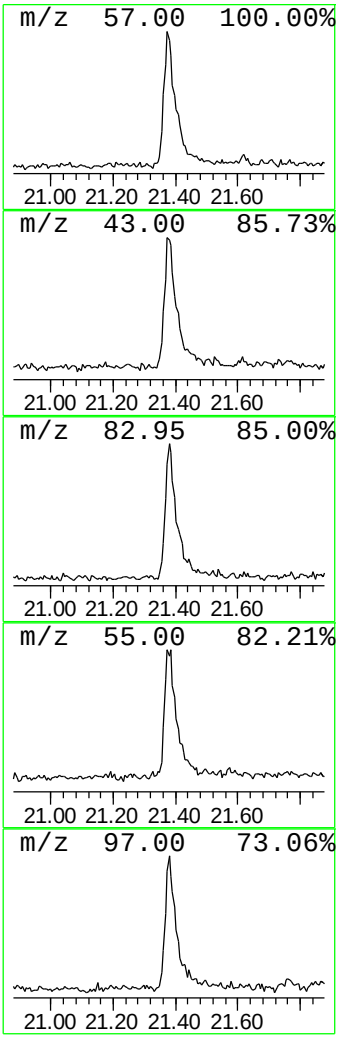
Peak Number 5 Heptadecyl trifluoroacetate Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.38 | 5.86 ng | 318488 | Chrysene-d12 | 21.77 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptadecyl trifluoroacetate | 352 | C19H35F3O2 | 1000351-87-0 | 94 |
| 2 | n-Tetracosanol-1 | 354 | C24H50O | 000506-51-4 | 94 |
| 3 | Cyclotetracosane | 336 | C24H48 | 000297-03-0 | 91 |
| 4 | Heptadecyl heptafluorobutyrate | 452 | C21H35F7O2 | 959085-66-6 | 91 |
| 5 | 1-Tricosene | 322 | C23H46 | 018835-32-0 | 91 |



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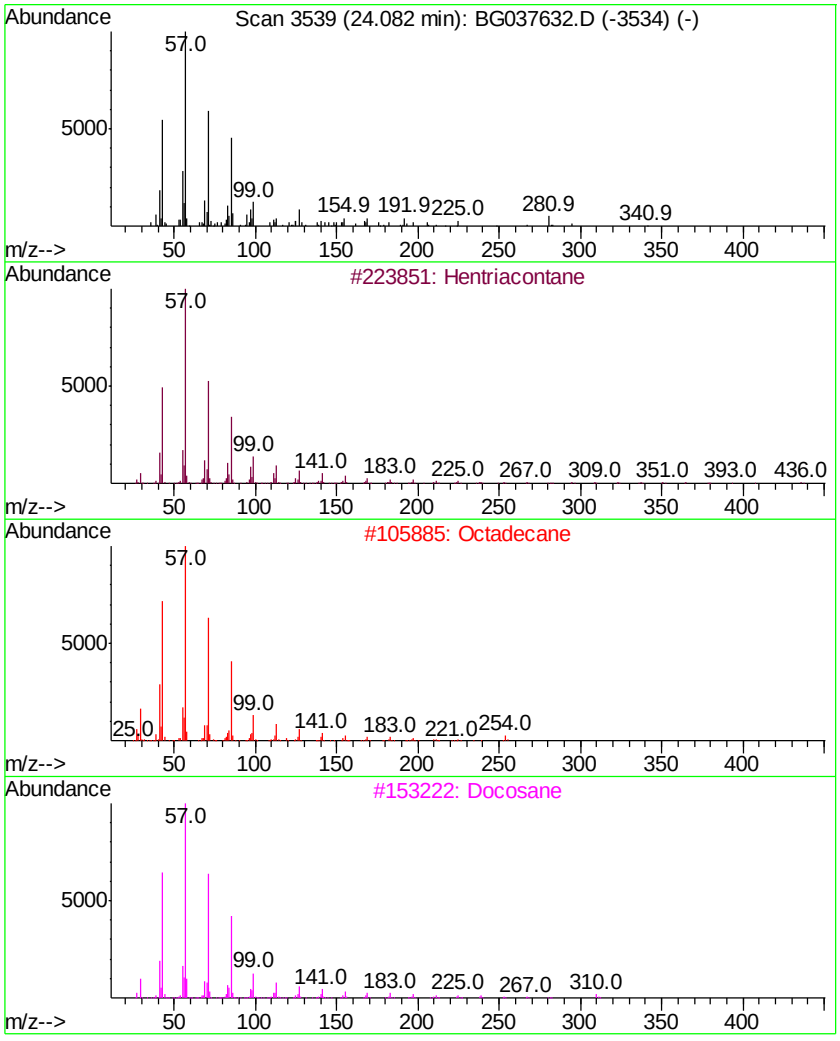
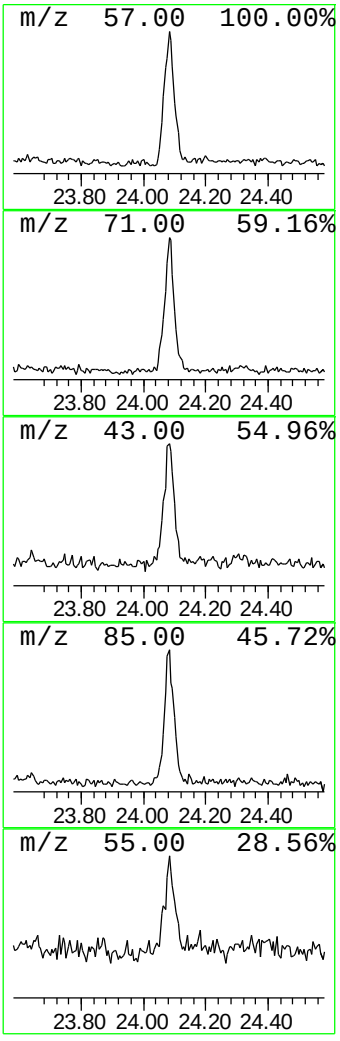
Peak Number 6 Hentriacontane Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 24.08 | 2.23 ng | 119661 | Perylene-d12 | 25.10 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hentriacontane | 437 | C31H64 | 000630-04-6 | 83 |
| 2 | Octadecane | 254 | C18H38 | 000593-45-3 | 80 |
| 3 | Docosane | 310 | C22H46 | 000629-97-0 | 80 |
| 4 | Triacontane | 422 | C30H62 | 000638-68-6 | 80 |
| 5 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 80 |



Tentatively Identified Compound (LSC) summary

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| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| 2-Pentanone, 4-hy... | 5.18 | 5.3 | ng | 94997 | 1 | 8.10 | 359284 | 20.0 |
| unknown7.62 | 7.62 | 87.2 | ng | 1565590 | 1 | 8.10 | 359284 | 20.0 |
| n-Hexadecanoic acid | 18.34 | 4.3 | ng | 221763 | 4 | 17.48 | 1022890 | 20.0 |
| Heptadecyl triflu... | 21.38 | 5.9 | ng | 318488 | 5 | 21.77 | 1087430 | 20.0 |
| Hentriacontane | 24.08 | 2.2 | ng | 119661 | 6 | 25.10 | 1071920 | 20.0 |