LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021720\
Data File : BG044451.D
Acq On : 17 Feb 2020 17:41
Operator : CG/JU
Sample : L1544-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** 2-5-1

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-BG013020.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 | 4.992 | 316 | 324 | 335 | rBV | 60268 | 99050 | 2.88% | 0.524% |
| 2 | 5.468 | 396 | 405 | 421 | rBV | 853209 | 1435385 | 41.77% | 7.590% |
| 3 | 7.066 | 669 | 677 | 694 | rBV | 859053 | 1538373 | 44.77% | 8.134% |
| 4 | 7.888 | 811 | 817 | 827 | rBV | 231332 | 405813 | 11.81% | 2.146% |
| 5 | 8.211 | 864 | 872 | 882 | rBV | 738403 | 1294354 | 37.67% | 6.844% |
| 6 | 9.046 | 1006 | 1014 | 1034 | rBV | 524583 | 978261 | 28.47% | 5.173% |
| 7 | 10.691 | 1286 | 1294 | 1312 | rBV | 287155 | 548364 | 15.96% | 2.900% |
| 8 | 13.153 | 1705 | 1713 | 1729 | rBV | 1421907 | 2268826 | 66.03% | 11.997% |
| 9 | 13.987 | 1849 | 1855 | 1866 | rVB2 | 32776 | 59362 | 1.73% | 0.314% |
| 10 | 14.527 | 1939 | 1947 | 1961 | rBV | 475556 | 781098 | 22.73% | 4.130% |
| 11 | 16.020 | 2194 | 2201 | 2213 | rBV | 1049354 | 1680428 | 48.91% | 8.886% |
| 12 | 17.271 | 2407 | 2414 | 2428 | rBV | 603828 | 963972 | 28.05% | 5.097% |
| 13 | 19.892 | 2854 | 2860 | 2872 | rBV | 2557420 | 3436013 | 100.00% | 18.169% |
| 14 | 21.184 | 3075 | 3080 | 3089 | rBV2 | 118175 | 215579 | 6.27% | 1.140% |
| 15 | 21.513 | 3130 | 3136 | 3156 | rBV | 687648 | 1171720 | 34.10% | 6.196% |
| 16 | 21.719 | 3167 | 3171 | 3177 | rVB | 47130 | 66443 | 1.93% | 0.351% |
| 17 | 22.307 | 3265 | 3271 | 3278 | rBV | 61340 | 109779 | 3.19% | 0.580% |
| 18 | 22.971 | 3377 | 3384 | 3391 | rBV | 76232 | 138560 | 4.03% | 0.733% |
| 19 | 23.147 | 3409 | 3414 | 3420 | rVB2 | 28148 | 55061 | 1.60% | 0.291% |
| 20 | 23.740 | 3508 | 3515 | 3522 | rVB | 71209 | 149975 | 4.36% | 0.793% |
| 21 | 24.592 | 3650 | 3660 | 3676 | rBV2 | 413611 | 1327645 | 38.64% | 7.020% |
| 22 | 25.714 | 3843 | 3851 | 3861 | rVB3 | 44389 | 125081 | 3.64% | 0.661% |
| 23 | 26.995 | 4065 | 4069 | 4081 | rVB6 | 21246 | 62686 | 1.82% | 0.331% |

Sum of corrected areas: 18911828

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021720\
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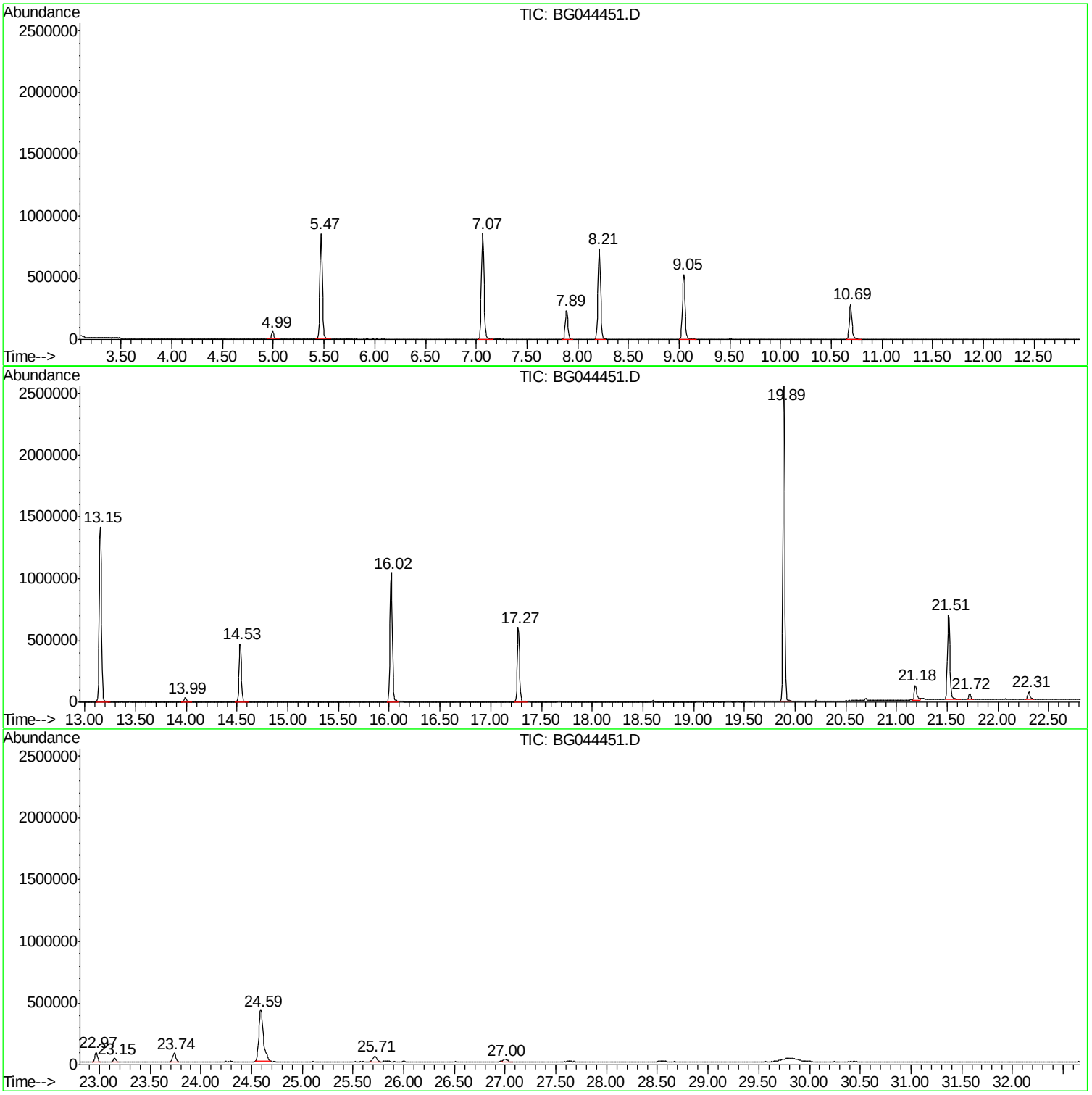
Sample : L1544-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** 2-5-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021720\
Data File : BG044451.D
Acq On : 17 Feb 2020 17:41
Operator : CG/JU
Sample : L1544-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** 2-5-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

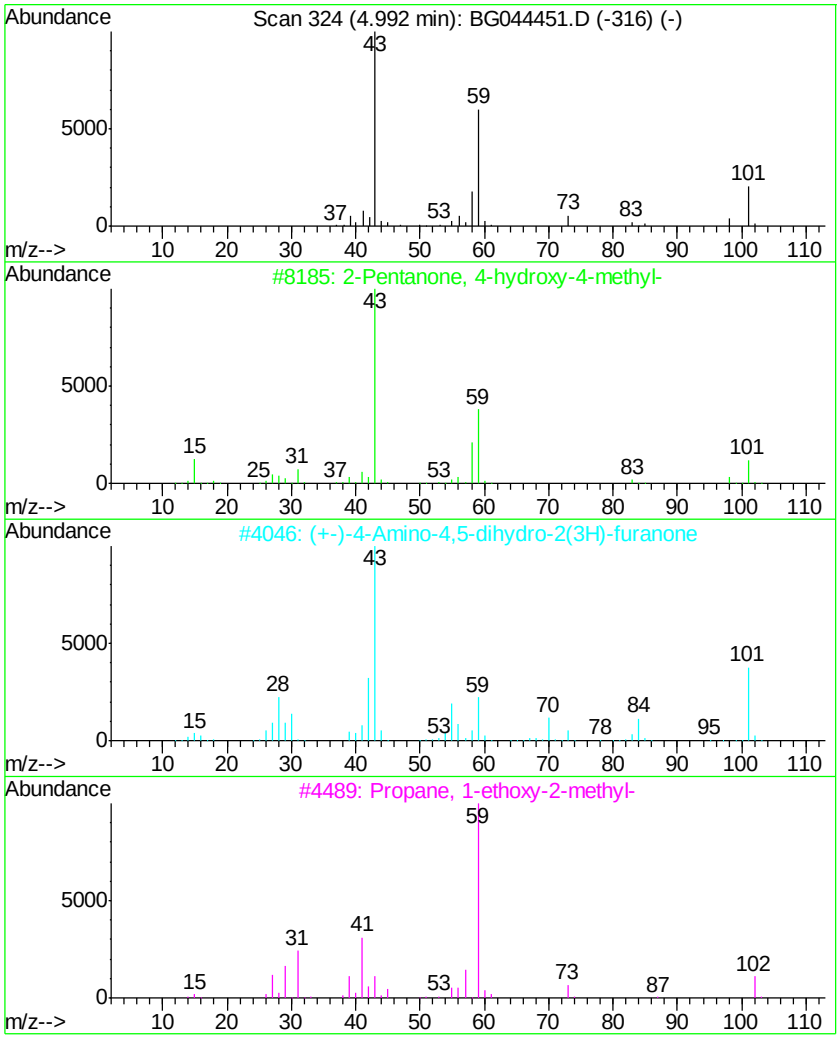
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

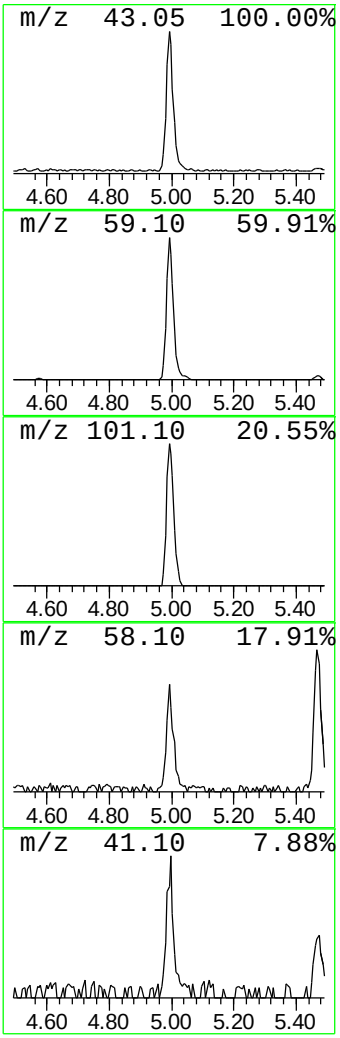
**********

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.99 | 4.88 ng | 99050 | 1,4-Dichlorobenzene-d4 | 7.89 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 50 |
| 2 | (+-)-4-Amino-4,5-dihydro-2(3H)-f... | 101 | C4H7NO2 | 016504-58-8 | 38 |
| 3 | Propane, 1-ethoxy-2-methyl- | 102 | C6H14O | 000627-02-1 | 35 |
| 4 | (2,3,3-Trimethyloxiranyl)methanol | 116 | C6H12O2 | 1000306-64-7 | 33 |
| 5 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 25 |



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Data File : BG044451.D
Acq On : 17 Feb 2020 17:41
Operator : CG/JU
Sample : L1544-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** 2-5-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

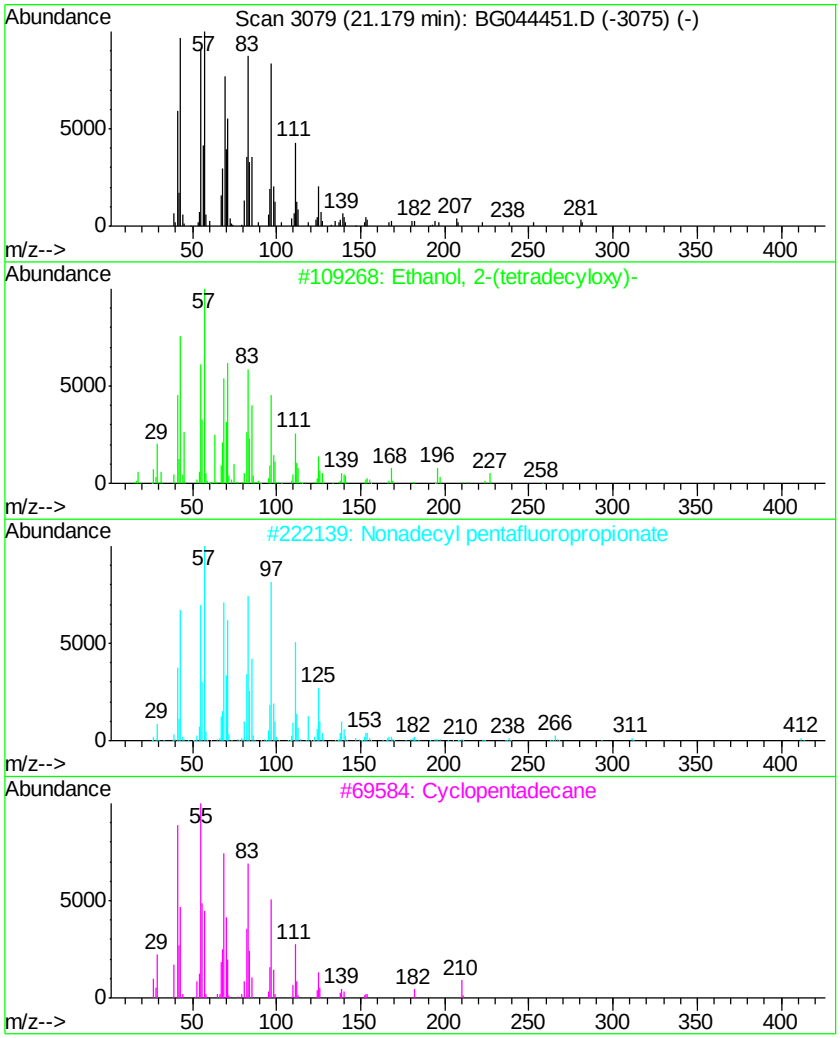
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

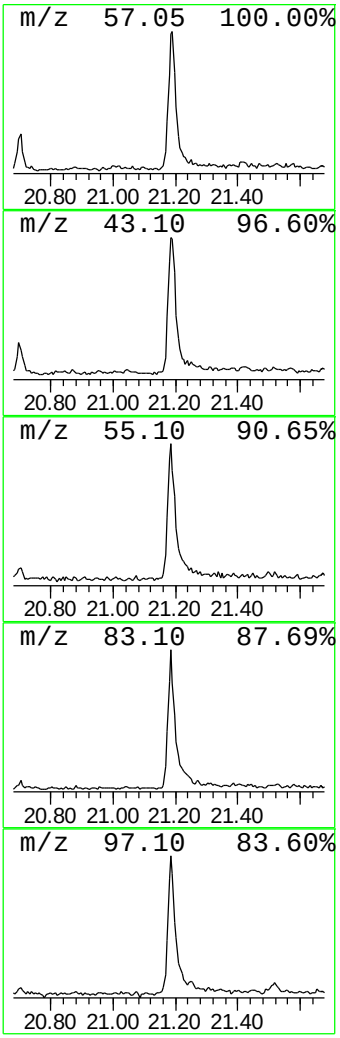
**********

Peak Number 3 Ethanol, 2-(tetradecyloxy)- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.18 | 3.68 ng | 215579 | Chrysene-d12 | 21.51 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethanol, 2-(tetradecyloxy)- | 258 | C16H34O2 | 002136-70-1 | 91 |
| 2 | Nonadecyl pentafluoropropionate | 430 | C22H39F5O2 | 1000351-88-8 | 87 |
| 3 | Cyclopentadecane | 210 | C15H30 | 000295-48-7 | 86 |
| 4 | Trifluoroacetic acid, pentadecyl... | 324 | C17H31F3O2 | 959010-23-2 | 81 |
| 5 | Heptafluorobutyric acid, pentade... | 424 | C19H31F7O2 | 959261-23-5 | 81 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021720\
Data File : BG044451.D
Acq On : 17 Feb 2020 17:41
Operator : CG/JU
Sample : L1544-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** 2-5-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

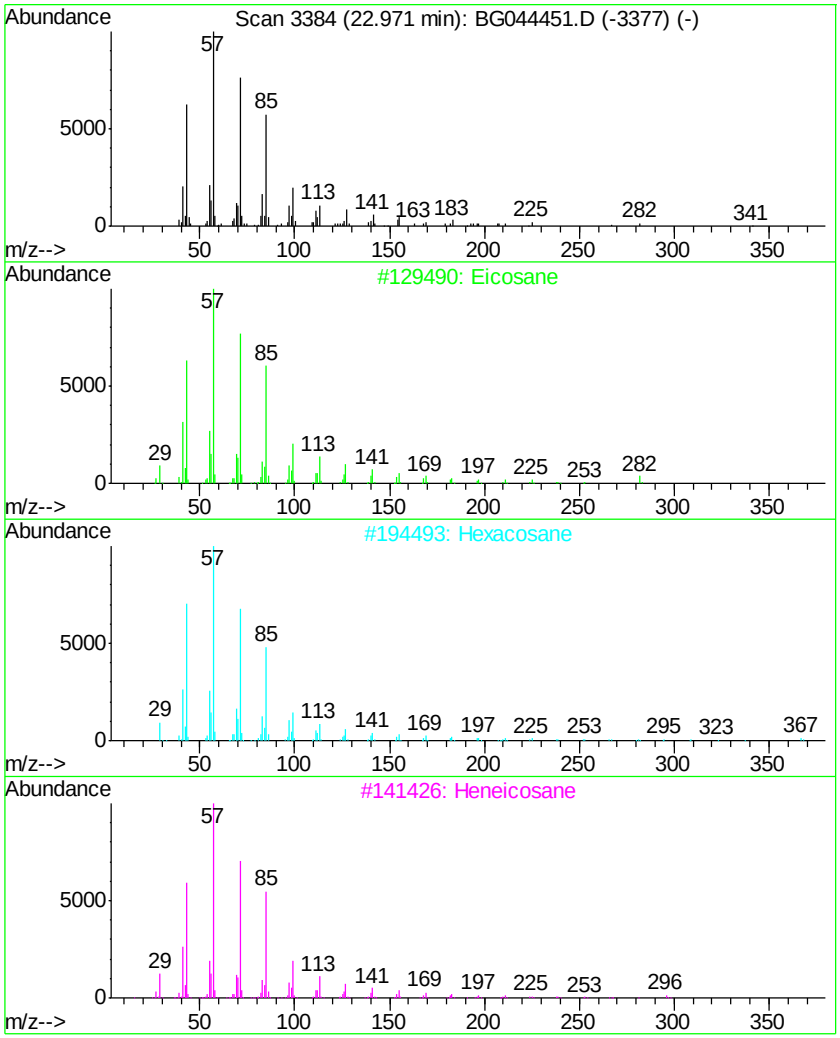
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

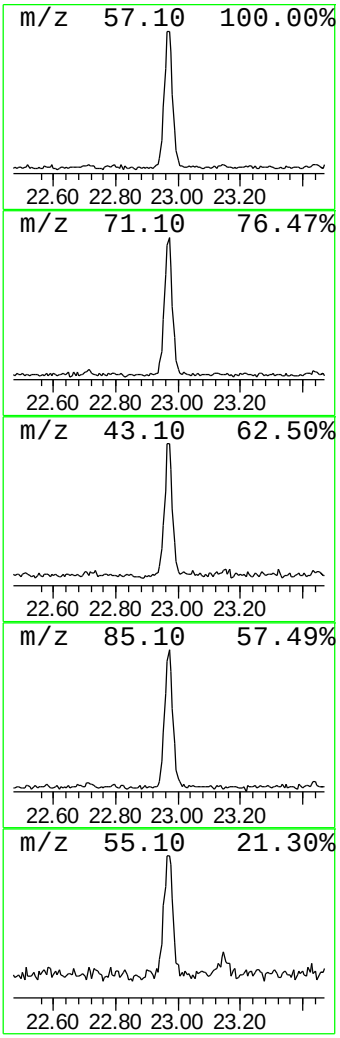
**********

Peak Number 4 Eicosane Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.97 | 2.37 ng | 138560 | Chrysene-d12 | 21.51 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosane | 282 | C20H42 | 000112-95-8 | 94 |
| 2 | Hexacosane | 366 | C26H54 | 000630-01-3 | 91 |
| 3 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 4 | Heptacosane | 380 | C27H56 | 000593-49-7 | 91 |
| 5 | Triacontane | 422 | C30H62 | 000638-68-6 | 91 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021720\
Data File : BG044451.D
Acq On : 17 Feb 2020 17:41
Operator : CG/JU
Sample : L1544-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** 2-5-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

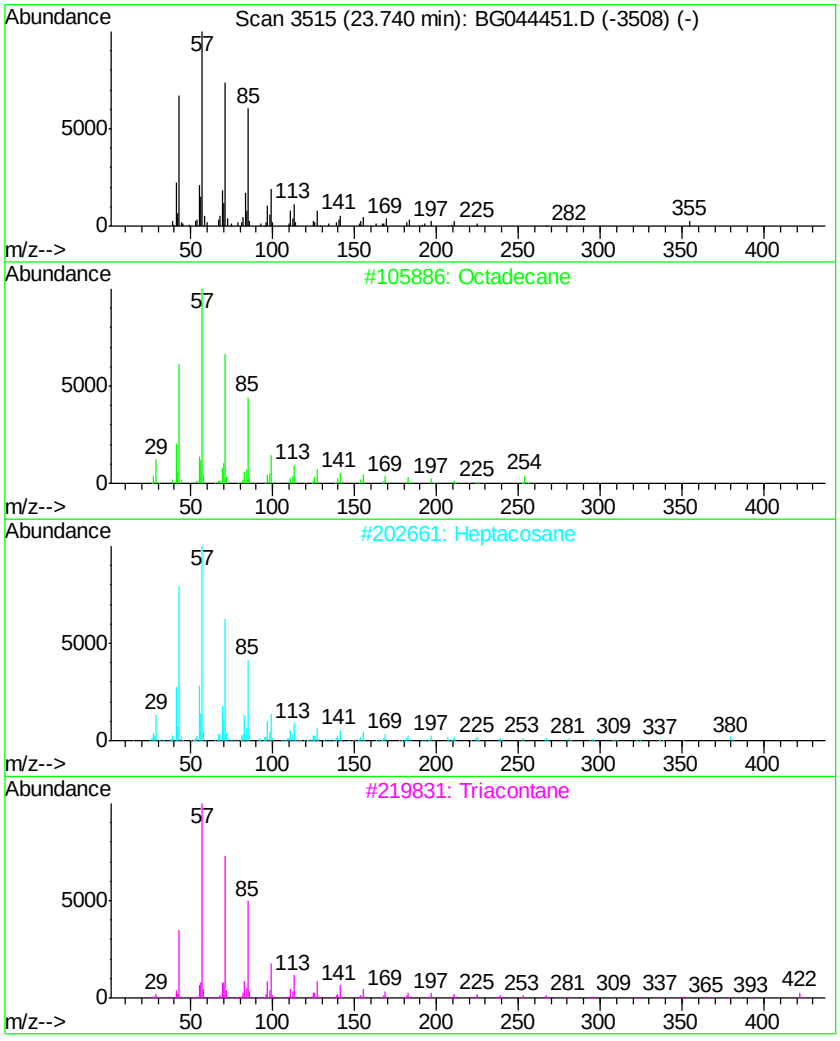
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

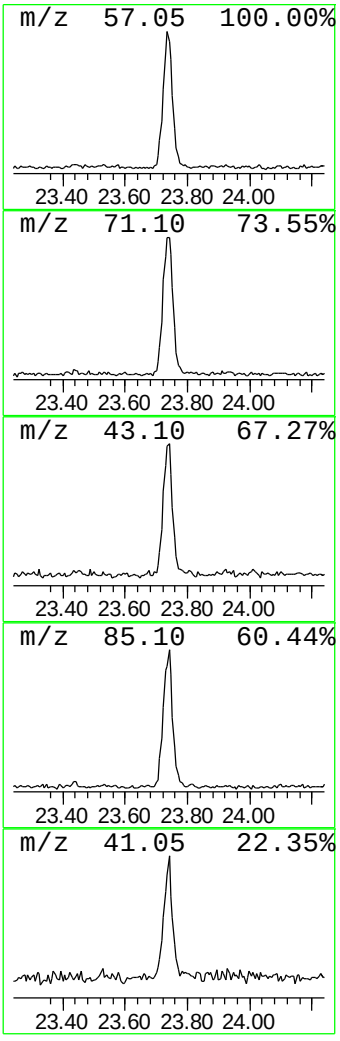
**********

Peak Number 5 Octadecane Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.74 | 2.26 ng | 149975 | Perylene-d12 | 24.59 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecane | 254 | C18H38 | 000593-45-3 | 91 |
| 2 | Heptacosane | 380 | C27H56 | 000593-49-7 | 91 |
| 3 | Triacontane | 422 | C30H62 | 000638-68-6 | 91 |
| 4 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 5 | Eicosane | 282 | C20H42 | 000112-95-8 | 91 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021720\
Data File : BG044451.D
Acq On : 17 Feb 2020 17:41
Operator : CG/JU
Sample : L1544-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** 2-5-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| 2-Pentanone, 4-hy... | 4.99 | 4.9 | ng | 99050 | 1 | 7.89 | 405813 | 20.0 |
| Ethanol, 2-(tetra... | 21.18 | 3.7 | ng | 215579 | 5 | 21.51 | 1171720 | 20.0 |
| Eicosane | 22.97 | 2.4 | ng | 138560 | 5 | 21.51 | 1171720 | 20.0 |
| Octadecane | 23.74 | 2.3 | ng | 149975 | 6 | 24.59 | 1327650 | 20.0 |