LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG012020\
Data File : BG044116.D
Acq On : 21 Jan 2020 2:51
Operator : JU
Sample : L1176-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** EP-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-BG123019.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 | 5.032 | 325 | 331 | 343 | rBV | 328667 | 504079 | 8.71% | 1.500% |
| 2 | 5.508 | 405 | 412 | 431 | rBV | 1424327 | 2327923 | 40.23% | 6.928% |
| 3 | 7.107 | 675 | 684 | 698 | rBV | 1506490 | 2797221 | 48.34% | 8.324% |
| 4 | 7.465 | 737 | 745 | 760 | rBV | 1497038 | 2635634 | 45.55% | 7.843% |
| 5 | 7.929 | 818 | 824 | 833 | rVB | 274317 | 469673 | 8.12% | 1.398% |
| 6 | 8.252 | 871 | 879 | 888 | rBV | 1108685 | 1970514 | 34.05% | 5.864% |
| 7 | 9.087 | 1012 | 1021 | 1033 | rBV | 880804 | 1631042 | 28.19% | 4.854% |
| 8 | 10.732 | 1293 | 1301 | 1313 | rBV | 384864 | 707575 | 12.23% | 2.106% |
| 9 | 13.194 | 1712 | 1720 | 1737 | rBV | 2457986 | 4070410 | 70.34% | 12.113% |
| 10 | 14.022 | 1854 | 1861 | 1877 | rBV | 113318 | 198223 | 3.43% | 0.590% |
| 11 | 14.568 | 1947 | 1954 | 1966 | rBV | 668750 | 1098141 | 18.98% | 3.268% |
| 12 | 16.055 | 2200 | 2207 | 2228 | rBV | 2089590 | 3304007 | 57.10% | 9.832% |
| 13 | 17.312 | 2414 | 2421 | 2434 | rBV | 804816 | 1287374 | 22.25% | 3.831% |
| 14 | 19.927 | 2860 | 2866 | 2881 | rBV | 4251508 | 5786819 | 100.00% | 17.221% |
| 15 | 21.231 | 3082 | 3088 | 3100 | rBV2 | 170620 | 370406 | 6.40% | 1.102% |
| 16 | 21.560 | 3137 | 3144 | 3154 | rBV | 761596 | 1323499 | 22.87% | 3.939% |
| 17 | 21.772 | 3175 | 3180 | 3184 | rBV | 84386 | 113086 | 1.95% | 0.337% |
| 18 | 22.359 | 3275 | 3280 | 3285 | rBV | 134986 | 213507 | 3.69% | 0.635% |
| 19 | 23.035 | 3388 | 3395 | 3403 | rVB | 169501 | 312450 | 5.40% | 0.930% |
| 20 | 23.217 | 3420 | 3426 | 3434 | rVB | 37779 | 73769 | 1.27% | 0.220% |
| 21 | 23.816 | 3520 | 3528 | 3536 | rBV | 162624 | 347988 | 6.01% | 1.036% |
| 22 | 24.668 | 3663 | 3673 | 3680 | rBV2 | 472821 | 1344602 | 23.24% | 4.001% |
| 23 | 24.733 | 3680 | 3684 | 3694 | rVB | 134361 | 305187 | 5.27% | 0.908% |
| 24 | 25.826 | 3860 | 3870 | 3881 | rBV2 | 89720 | 273070 | 4.72% | 0.813% |
| 25 | 27.130 | 4084 | 4092 | 4101 | rVB3 | 43975 | 137886 | 2.38% | 0.410% |

Sum of corrected areas: 33604085

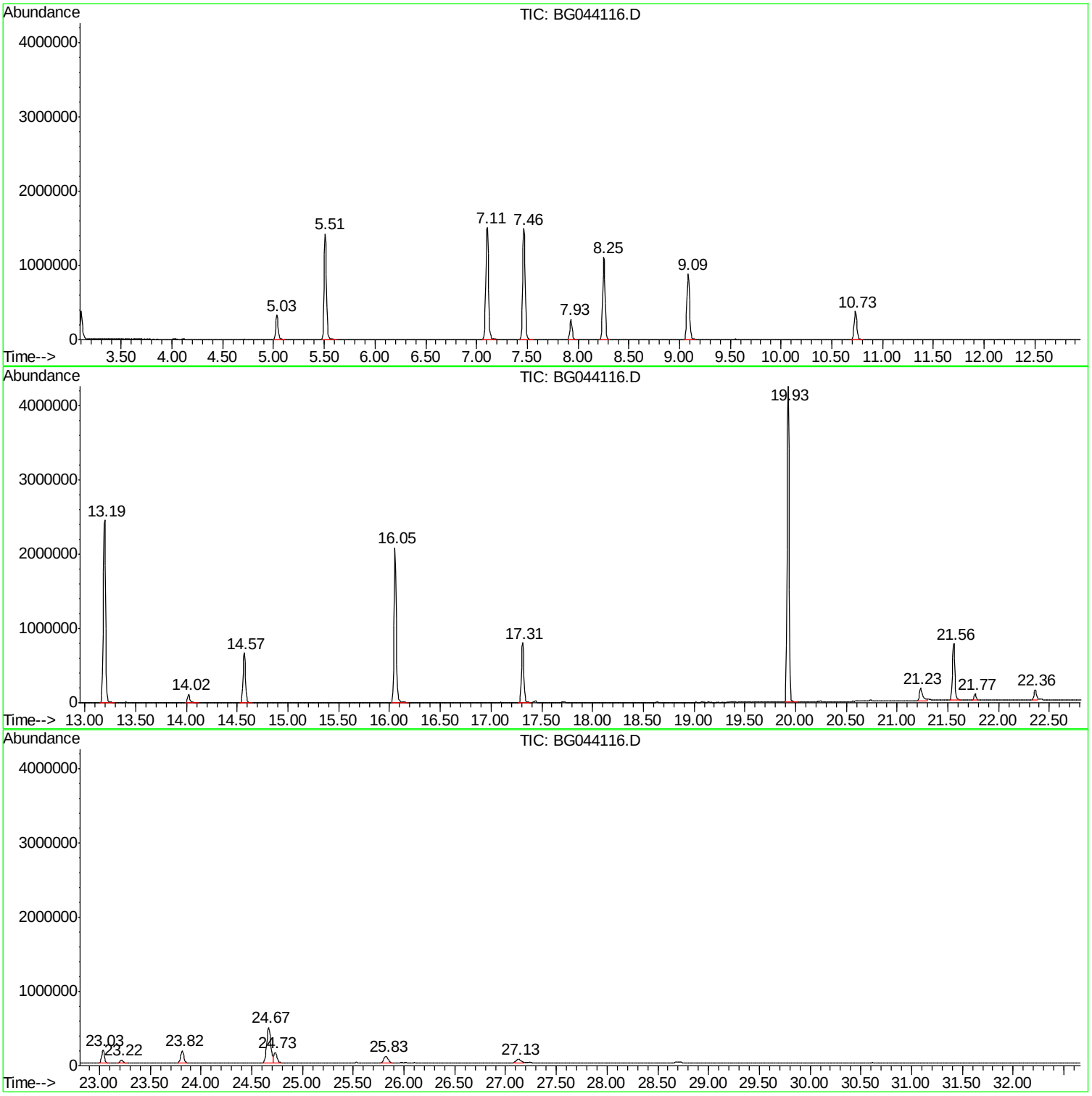
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG012020\
Data File : BG044116.D
Acq On : 21 Jan 2020 2:51
Operator : JU
Sample : L1176-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** EP-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.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\BG012020\
Data File : BG044116.D
Acq On : 21 Jan 2020 2:51
Operator : JU
Sample : L1176-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** EP-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

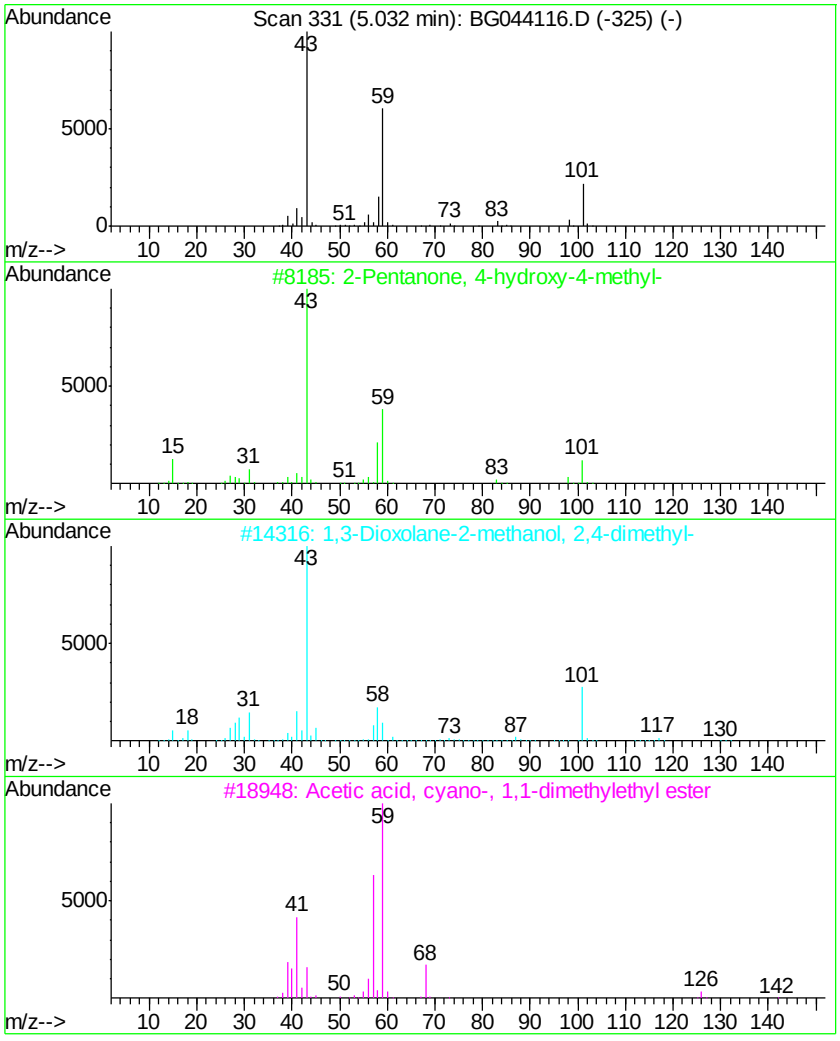
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

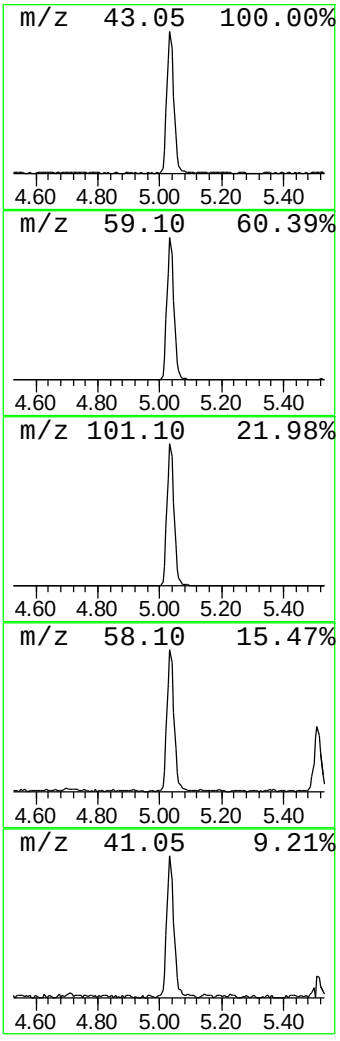
**********

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.03 | 21.47 ng | 504079 | 1,4-Dichlorobenzene-d4 | 7.93 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 56 |
| 2 | 1,3-Dioxolane-2-methanol, 2,4-di... | 132 | C6H12O3 | 053951-43-2 | 28 |
| 3 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 25 |
| 4 | 4-Hydroxy-3-hexanone | 116 | C6H12O2 | 004984-85-4 | 23 |
| 5 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 17 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG012020\
Data File : BG044116.D
Acq On : 21 Jan 2020 2:51
Operator : JU
Sample : L1176-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** EP-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

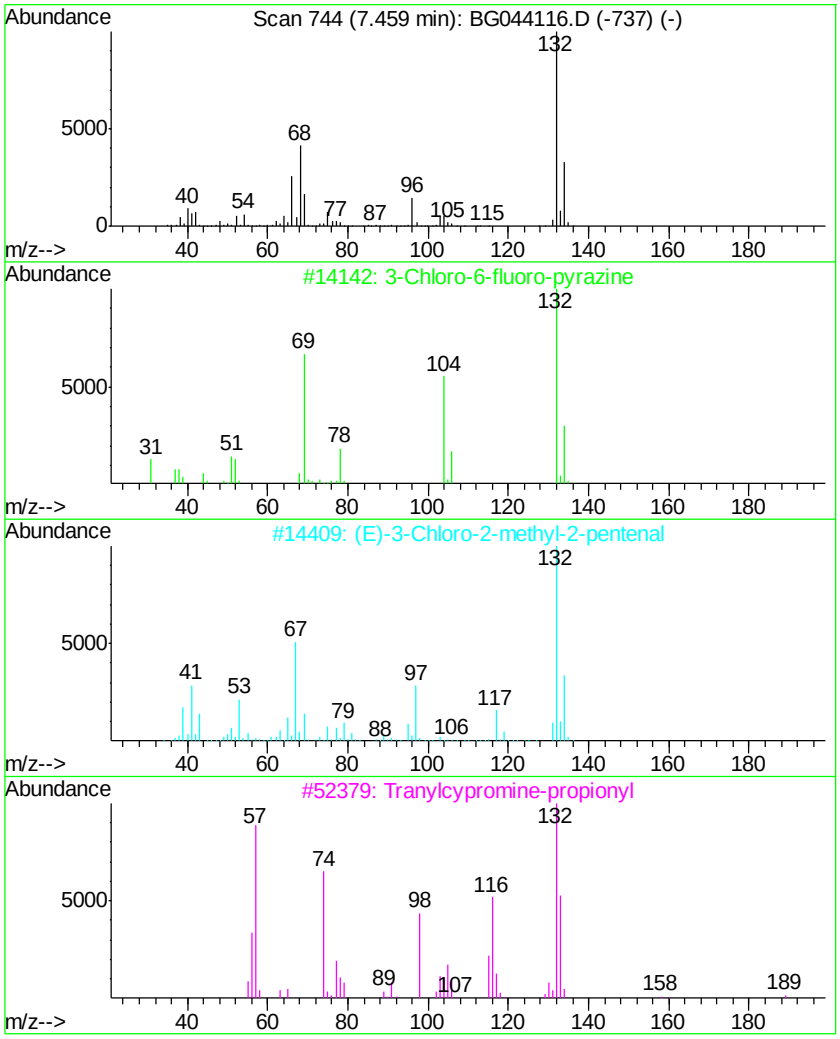
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

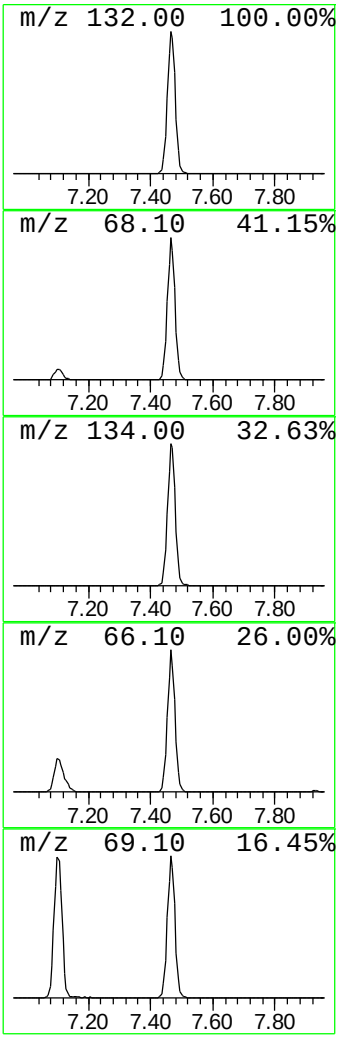
**********

Peak Number 2 unknown7.46 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.46 | 112.23 ng | 2635630 | 1,4-Dichlorobenzene-d4 | 7.93 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 27 |
| 2 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 16 |
| 3 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 12 |
| 4 | Xenon | 132 | Xe | 007440-63-3 | 9 |
| 5 | 4-Chloro-2-fluoro-pyrimidine | 132 | C4H2ClFN2 | 051422-00-5 | 9 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG012020\
Data File : BG044116.D
Acq On : 21 Jan 2020 2:51
Operator : JU
Sample : L1176-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** EP-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

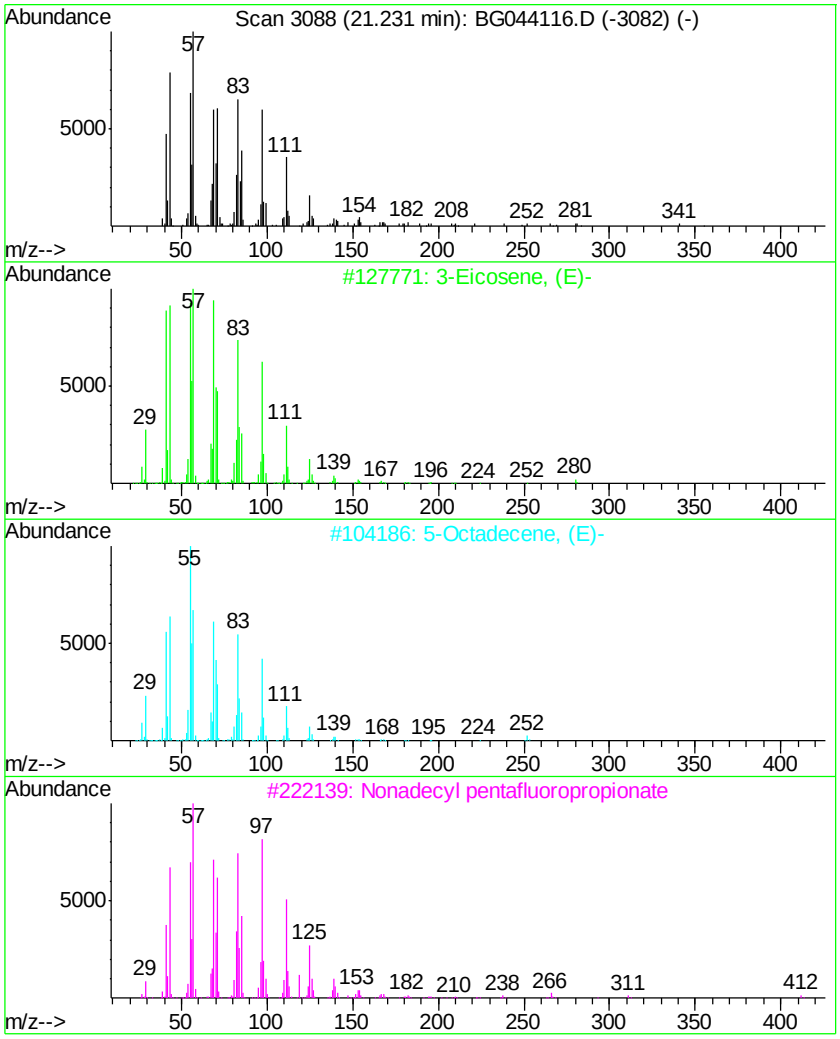
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

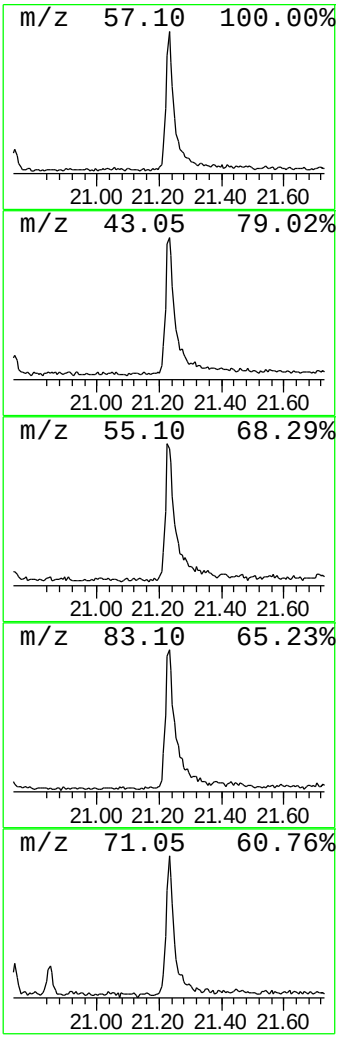
**********

Peak Number 4 3-Eicosene, (E)- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.23 | 5.60 ng | 370406 | Chrysene-d12 | 21.56 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Eicosene, (E)- | 280 | C20H40 | 074685-33-9 | 95 |
| 2 | 5-Octadecene, (E)- | 252 | C18H36 | 007206-21-5 | 93 |
| 3 | Nonadecyl pentafluoropropionate | 430 | C22H39F5O2 | 1000351-88-8 | 91 |
| 4 | Tricosyl trifluoroacetate | 436 | C25H47F3O2 | 1000351-75-1 | 91 |
| 5 | Tetracosyl heptafluorobutyrate | 550 | C28H49F7O2 | 1000351-83-7 | 91 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG012020\
Data File : BG044116.D
Acq On : 21 Jan 2020 2:51
Operator : JU
Sample : L1176-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** EP-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

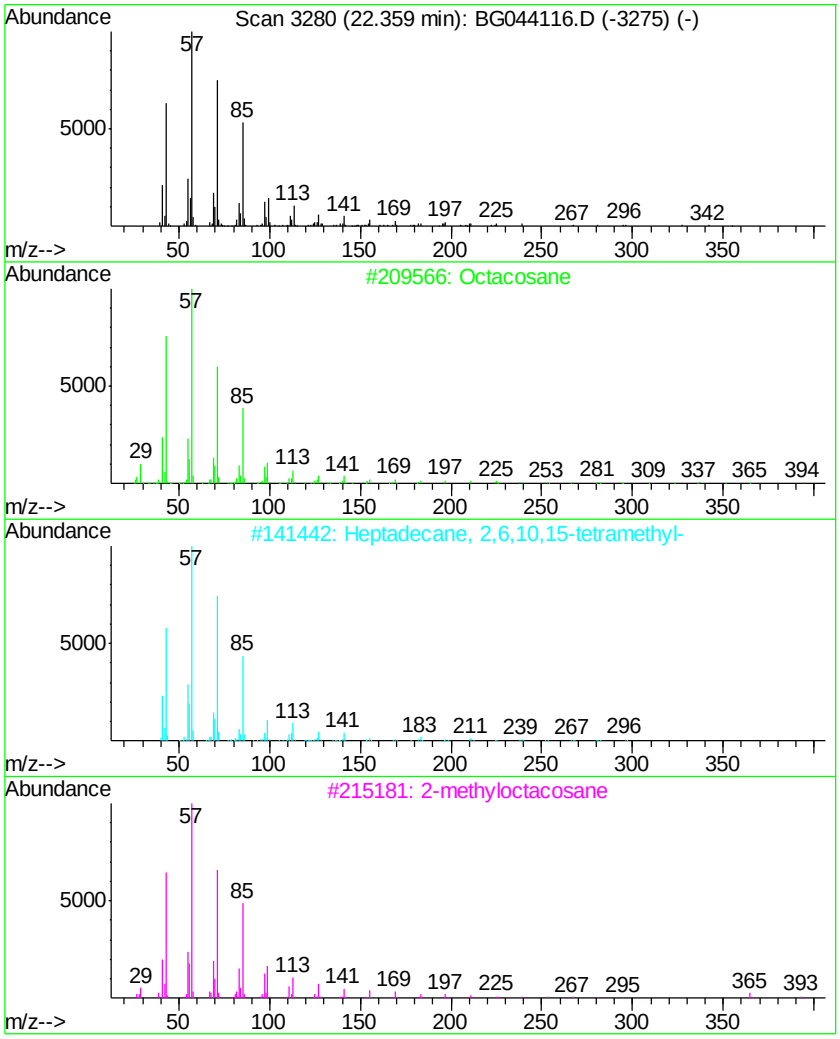
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

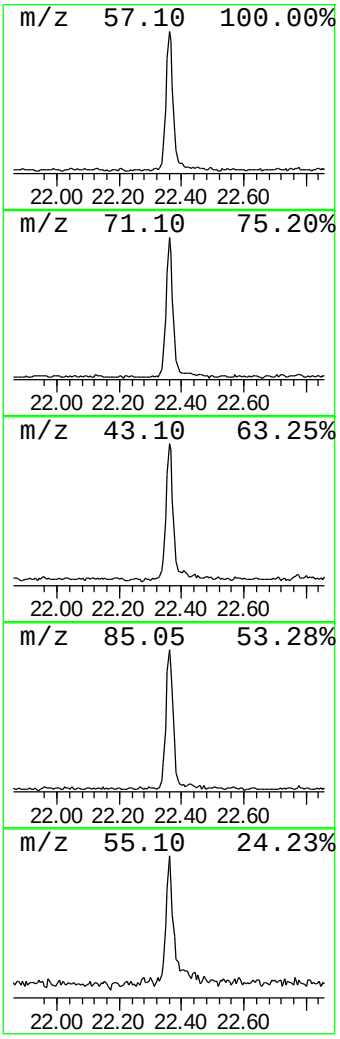
**********

Peak Number 5 Octacosane Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.36 | 3.23 ng | 213507 | Chrysene-d12 | 21.56 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octacosane | 394 | C28H58 | 000630-02-4 | 91 |
| 2 | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44 | 054833-48-6 | 91 |
| 3 | 2-methyloctacosane | 408 | C29H60 | 1000376-72-8 | 91 |
| 4 | Hexacosane | 366 | C26H54 | 000630-01-3 | 91 |
| 5 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG012020\
Data File : BG044116.D
Acq On : 21 Jan 2020 2:51
Operator : JU
Sample : L1176-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** EP-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

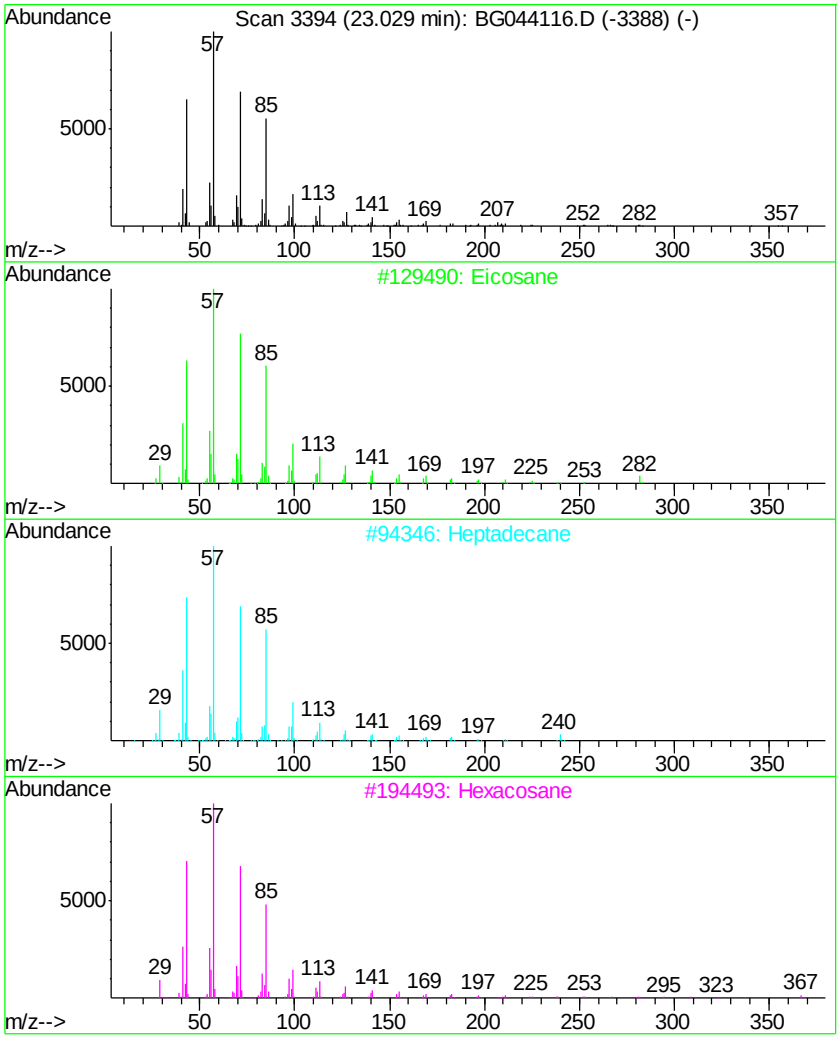
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

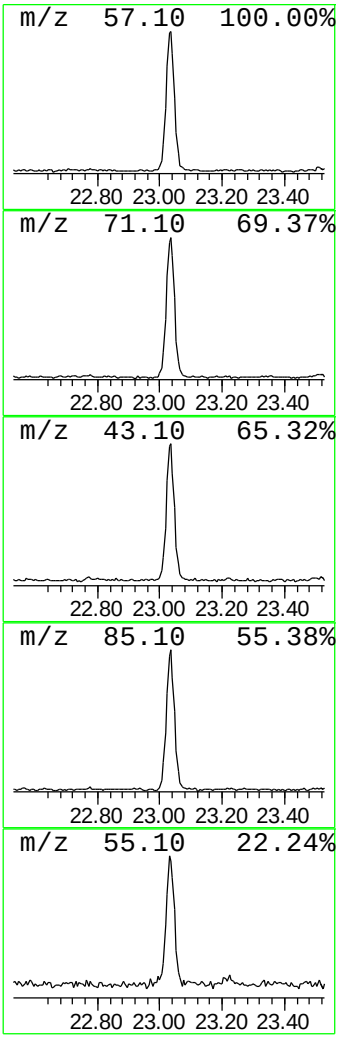
**********

Peak Number 6 Eicosane Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.03 | 4.72 ng | 312450 | Chrysene-d12 | 21.56 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosane | 282 | C20H42 | 000112-95-8 | 95 |
| 2 | Heptadecane | 240 | C17H36 | 000629-78-7 | 91 |
| 3 | Hexacosane | 366 | C26H54 | 000630-01-3 | 91 |
| 4 | Tetracosane | 338 | C24H50 | 000646-31-1 | 90 |
| 5 | Octadecane | 254 | C18H38 | 000593-45-3 | 87 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG012020\
Data File : BG044116.D
Acq On : 21 Jan 2020 2:51
Operator : JU
Sample : L1176-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** EP-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

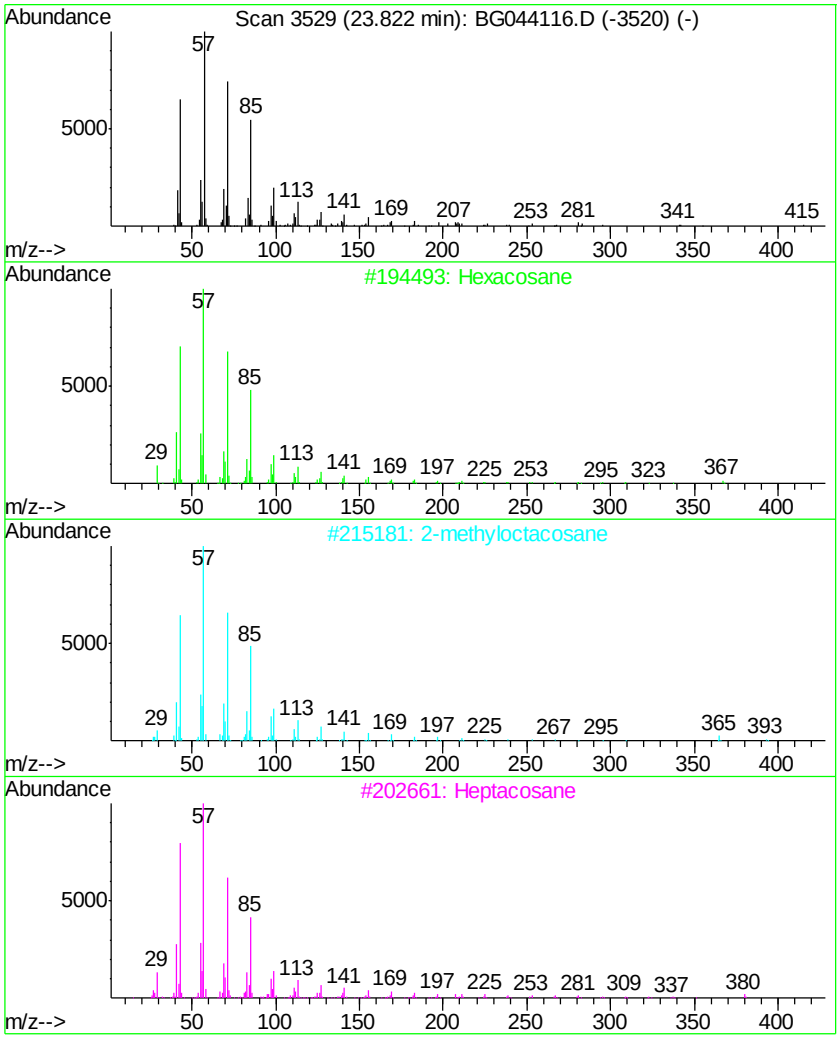
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

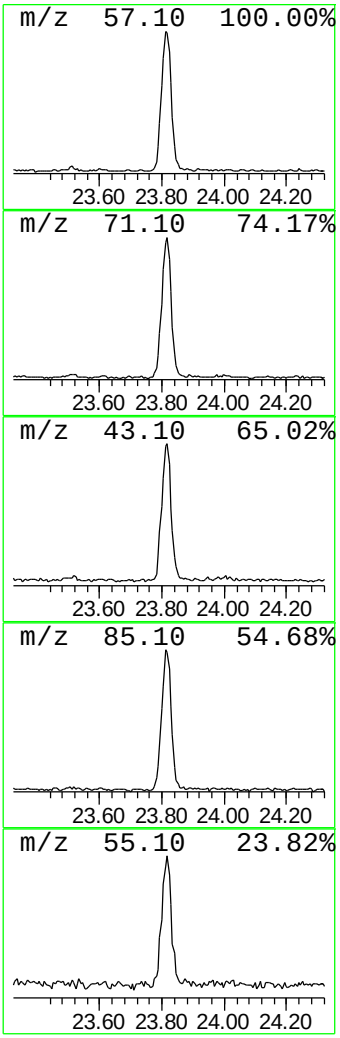
**********

Peak Number 7 Hexacosane Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.82 | 5.18 ng | 347988 | Perylene-d12 | 24.67 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexacosane | 366 | C26H54 | 000630-01-3 | 94 |
| 2 | 2-methyloctacosane | 408 | C29H60 | 1000376-72-8 | 91 |
| 3 | Heptacosane | 380 | C27H56 | 000593-49-7 | 91 |
| 4 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 5 | Docosane, 11-butyl- | 366 | C26H54 | 013475-76-8 | 91 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG012020\
Data File : BG044116.D
Acq On : 21 Jan 2020 2:51
Operator : JU
Sample : L1176-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** EP-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

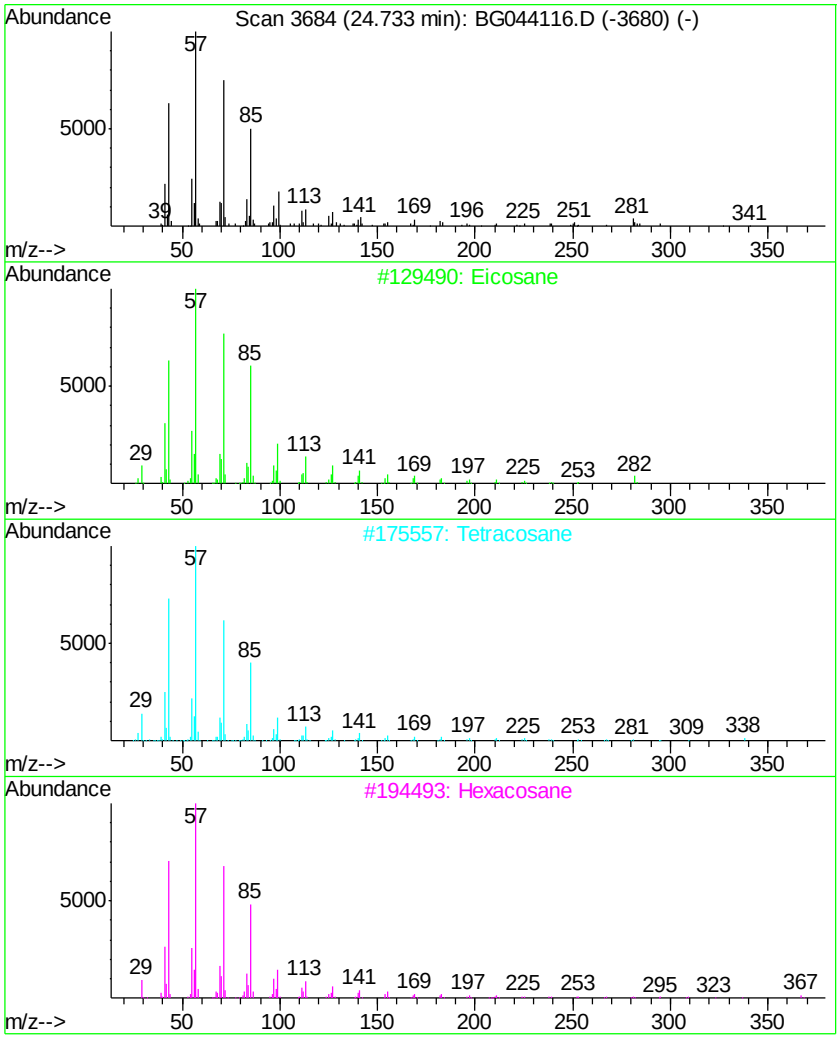
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

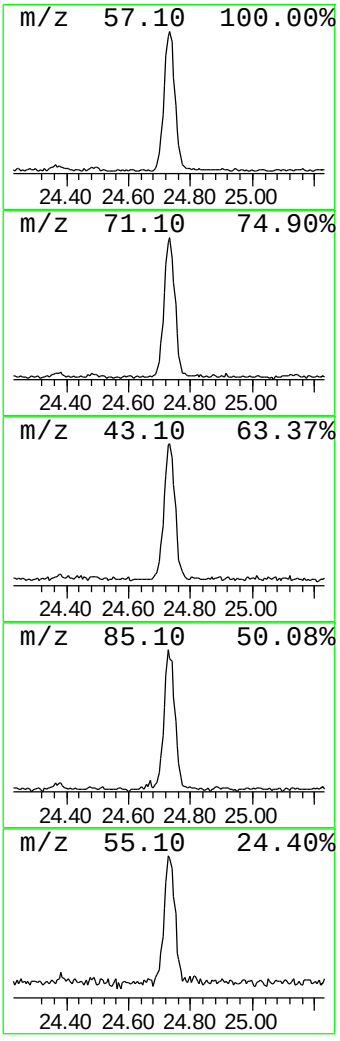
**********

Peak Number 8 Tetracosane Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 24.73 | 4.54 ng | 305187 | Perylene-d12 | 24.67 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosane | 282 | C20H42 | 000112-95-8 | 90 |
| 2 | Tetracosane | 338 | C24H50 | 000646-31-1 | 90 |
| 3 | Hexacosane | 366 | C26H54 | 000630-01-3 | 90 |
| 4 | Eicosane, 7-hexyl- | 366 | C26H54 | 055333-99-8 | 90 |
| 5 | 2-methyloctacosane | 408 | C29H60 | 1000376-72-8 | 87 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG012020\
Data File : BG044116.D
Acq On : 21 Jan 2020 2:51
Operator : JU
Sample : L1176-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** EP-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

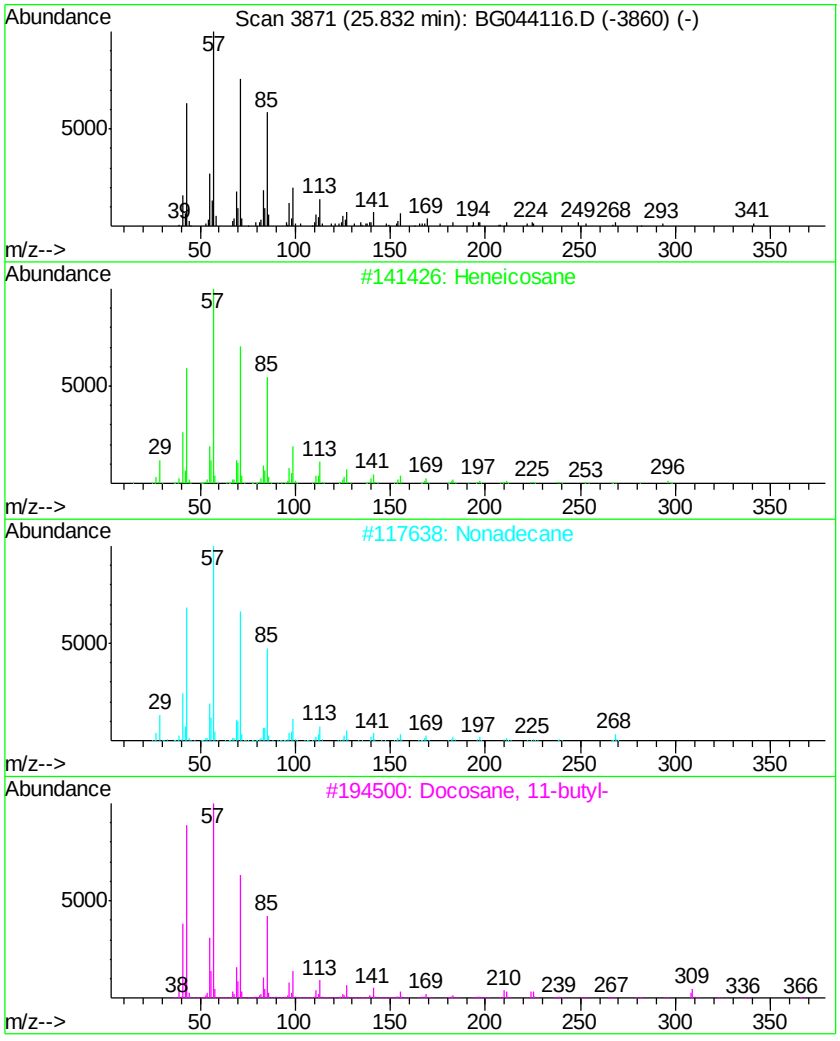
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

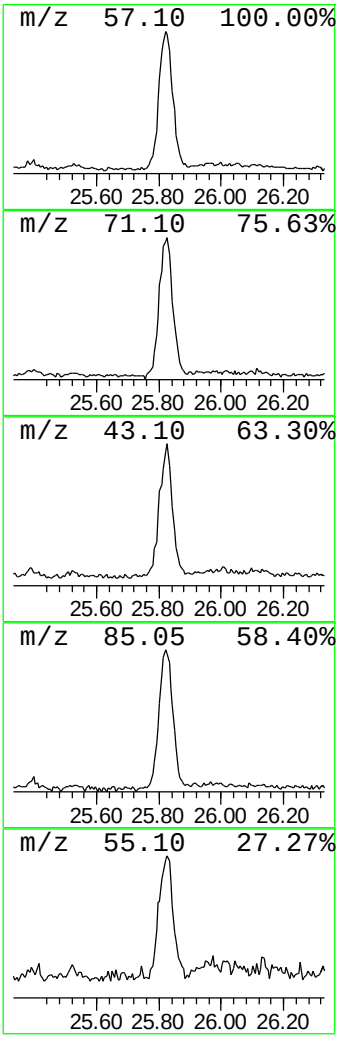
**********

Peak Number 9 Heneicosane Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 25.83 | 4.06 ng | 273070 | Perylene-d12 | 24.67 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 2 | Nonadecane | 268 | C19H40 | 000629-92-5 | 91 |
| 3 | Docosane, 11-butyl- | 366 | C26H54 | 013475-76-8 | 91 |
| 4 | Docosane | 310 | C22H46 | 000629-97-0 | 91 |
| 5 | Octacosane | 394 | C28H58 | 000630-02-4 | 91 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG012020\
Data File : BG044116.D
Acq On : 21 Jan 2020 2:51
Operator : JU
Sample : L1176-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** EP-1

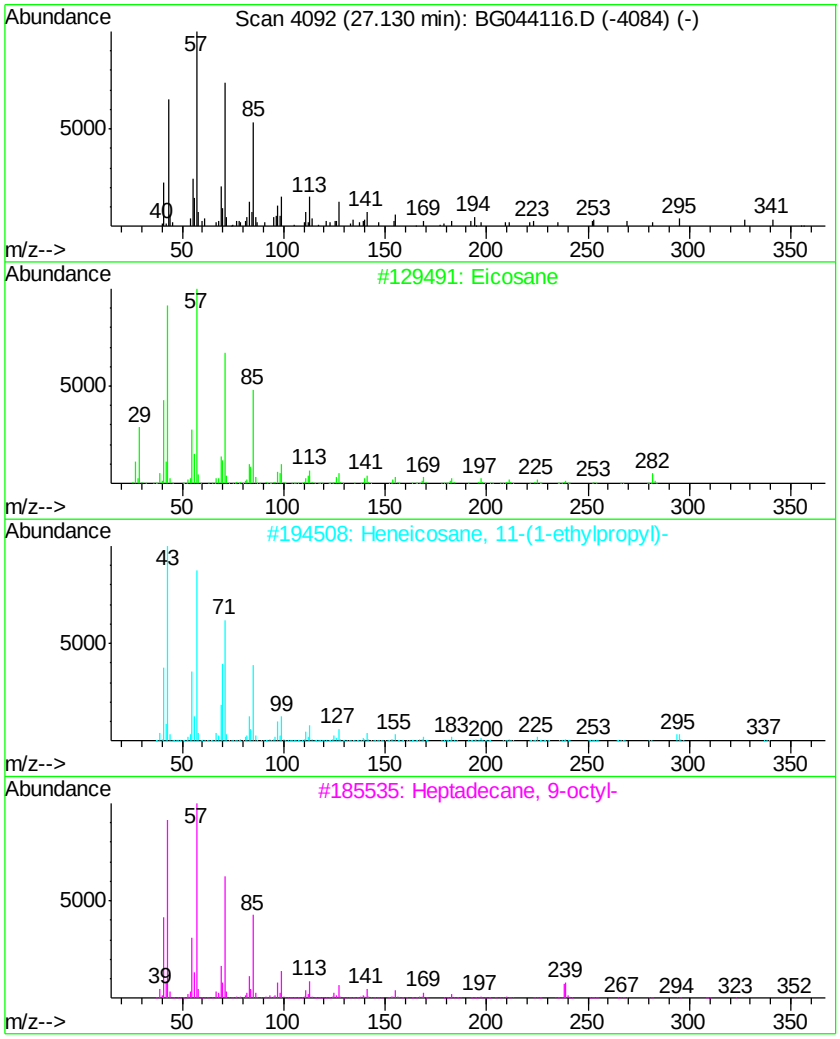
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

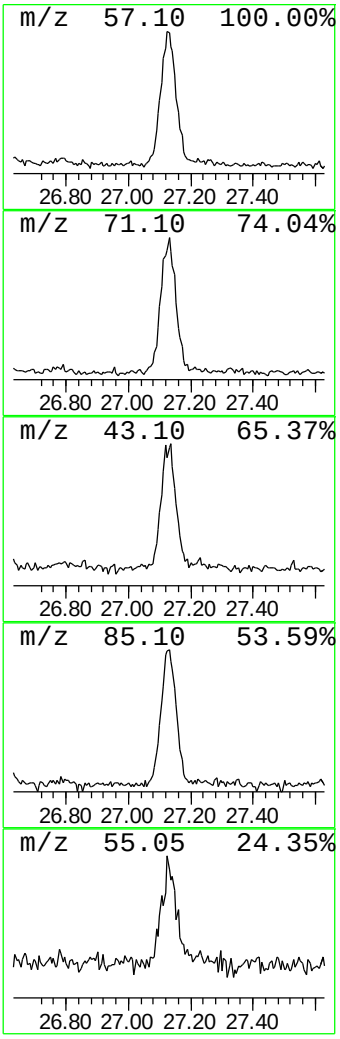
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 10 Heneicosane, 11-(1-ethylpro... Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 27.13 | 2.05 ng | 137886 | Perylene-d12 | 24.67 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosane | 282 | C20H42 | 000112-95-8 | 91 |
| 2 | Heneicosane, 11-(1-ethylpropyl)- | 366 | C26H54 | 055282-11-6 | 90 |
| 3 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 87 |
| 4 | Hexacosane | 366 | C26H54 | 000630-01-3 | 87 |
| 5 | Tetracosane, 11-decyl- | 479 | C34H70 | 055429-84-0 | 87 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG012020\
Data File : BG044116.D
Acq On : 21 Jan 2020 2:51
Operator : JU
Sample : L1176-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** EP-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.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... | 5.03 | 21.5 | ng | 504079 | 1 | 7.93 | 469673 | 20.0 |
| unknown7.46 | 7.46 | 112.2 | ng | 2635630 | 1 | 7.93 | 469673 | 20.0 |
| 3-Eicosene, (E)- | 21.23 | 5.6 | ng | 370406 | 5 | 21.56 | 1323500 | 20.0 |
| Octacosane | 22.36 | 3.2 | ng | 213507 | 5 | 21.56 | 1323500 | 20.0 |
| Eicosane | 23.03 | 4.7 | ng | 312450 | 5 | 21.56 | 1323500 | 20.0 |
| Hexacosane | 23.82 | 5.2 | ng | 347988 | 6 | 24.67 | 1344600 | 20.0 |
| Tetracosane | 24.73 | 4.5 | ng | 305187 | 6 | 24.67 | 1344600 | 20.0 |
| Heneicosane | 25.83 | 4.1 | ng | 273070 | 6 | 24.67 | 1344600 | 20.0 |
| Heneicosane, 11-(... | 27.13 | 2.0 | ng | 137886 | 6 | 24.67 | 1344600 | 20.0 |