LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030920\
Data File : BF119292.D
Acq On : 9 Mar 2020 19:29
Operator : CG/JU
Sample : L1844-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** GP-18-030520

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_F\METHODS\8270-BF022020.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 | 4.916 | 478 | 481 | 496 | rBV | 104606 | 152553 | 5.08% | 0.757% |
| 2 | 5.351 | 552 | 555 | 575 | rBV | 1325969 | 1671139 | 55.67% | 8.289% |
| 3 | 6.375 | 726 | 729 | 750 | rBV | 1536362 | 1667615 | 55.55% | 8.271% |
| 4 | 6.722 | 785 | 788 | 796 | rBV | 559101 | 491221 | 16.36% | 2.436% |
| 5 | 6.881 | 811 | 815 | 829 | rBV | 1543611 | 1536490 | 51.18% | 7.621% |
| 6 | 7.287 | 881 | 884 | 901 | rBV | 1164172 | 1127427 | 37.55% | 5.592% |
| 7 | 8.004 | 1003 | 1006 | 1019 | rBV | 703493 | 638009 | 21.25% | 3.164% |
| 8 | 9.081 | 1185 | 1189 | 1201 | rBV | 2465456 | 2362625 | 78.70% | 11.718% |
| 9 | 9.475 | 1253 | 1256 | 1264 | rVB | 101255 | 100141 | 3.34% | 0.497% |
| 10 | 9.757 | 1300 | 1304 | 1319 | rBV | 950192 | 825284 | 27.49% | 4.093% |
| 11 | 10.551 | 1435 | 1439 | 1456 | rBV | 1554801 | 1658838 | 55.26% | 8.228% |
| 12 | 11.239 | 1553 | 1556 | 1565 | rBV | 993913 | 920534 | 30.66% | 4.566% |
| 13 | 11.775 | 1643 | 1647 | 1660 | rBV | 201316 | 243625 | 8.12% | 1.208% |
| 14 | 12.557 | 1776 | 1780 | 1791 | rBV | 107907 | 152318 | 5.07% | 0.755% |
| 15 | 12.822 | 1821 | 1825 | 1829 | rBV | 3307400 | 3002103 | 100.00% | 14.890% |
| 16 | 13.733 | 1974 | 1980 | 1997 | rBV4 | 122417 | 398492 | 13.27% | 1.976% |
| 17 | 13.880 | 2002 | 2005 | 2016 | rVB | 940223 | 943441 | 31.43% | 4.679% |
| 18 | 14.033 | 2027 | 2031 | 2035 | rBV | 99969 | 89054 | 2.97% | 0.442% |
| 19 | 14.339 | 2079 | 2083 | 2086 | rBV | 161488 | 153217 | 5.10% | 0.760% |
| 20 | 14.633 | 2129 | 2133 | 2137 | rBV | 243247 | 224201 | 7.47% | 1.112% |
| 21 | 14.945 | 2181 | 2186 | 2191 | rBV | 235064 | 258163 | 8.60% | 1.280% |
| 22 | 15.310 | 2241 | 2248 | 2260 | rBV | 737862 | 1101289 | 36.68% | 5.462% |
| 23 | 15.704 | 2310 | 2315 | 2324 | rVB | 133146 | 195668 | 6.52% | 0.970% |
| 24 | 15.821 | 2326 | 2335 | 2351 | rBV10 | 20897 | 96476 | 3.21% | 0.479% |
| 25 | 16.168 | 2388 | 2394 | 2400 | rBV2 | 63148 | 110516 | 3.68% | 0.548% |
| 26 | 16.715 | 2480 | 2487 | 2492 | rBV3 | 21861 | 41562 | 1.38% | 0.206% |

Sum of corrected areas: 20162001

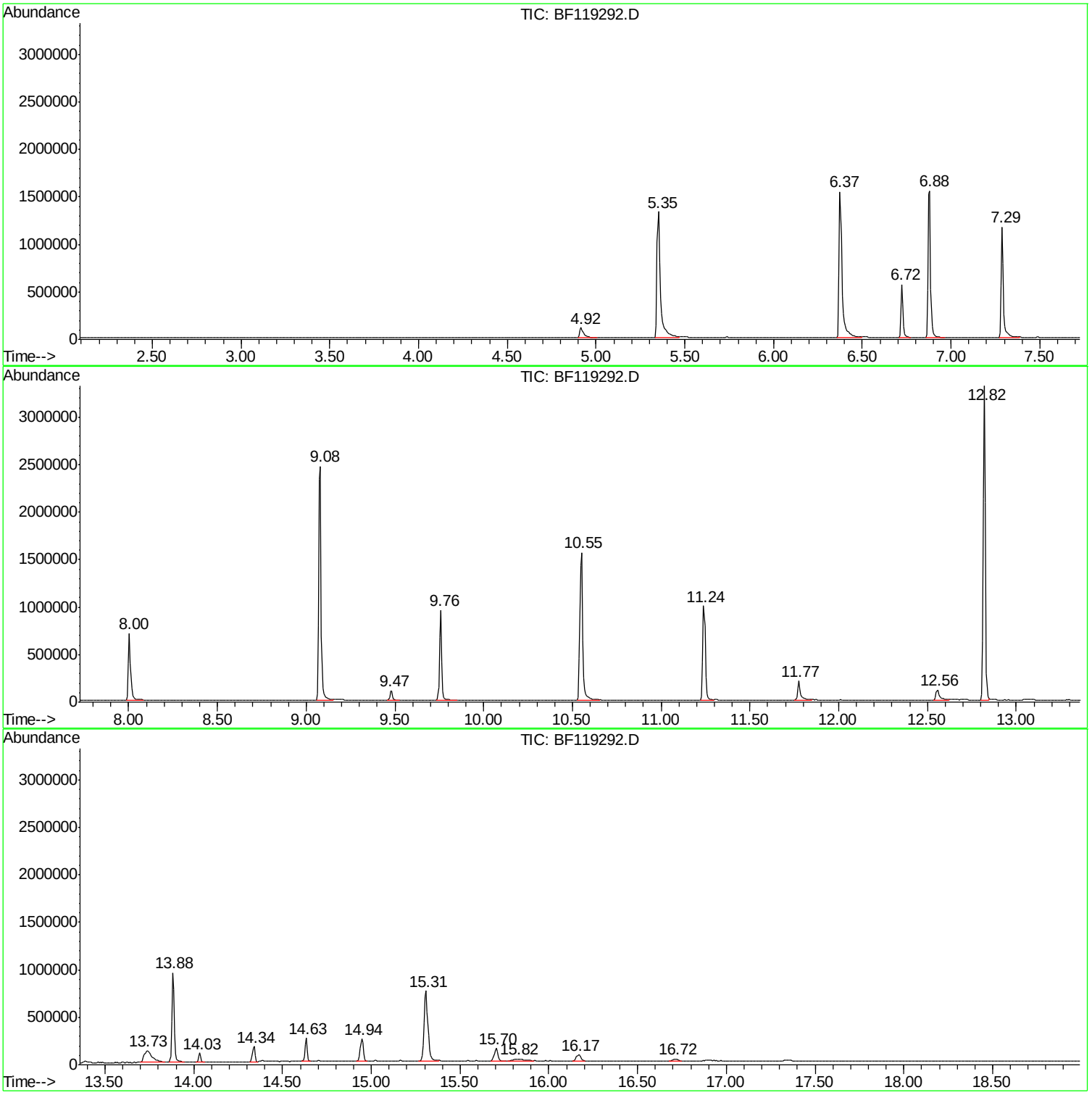
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030920\
Data File : BF119292.D
Acq On : 9 Mar 2020 19:29
Operator : CG/JU
Sample : L1844-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** GP-18-030520

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.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 F\DATA\BF030920\
Data File : BF119292.D
Acq On : 9 Mar 2020 19:29
Operator : CG/JU
Sample : L1844-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** GP-18-030520

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

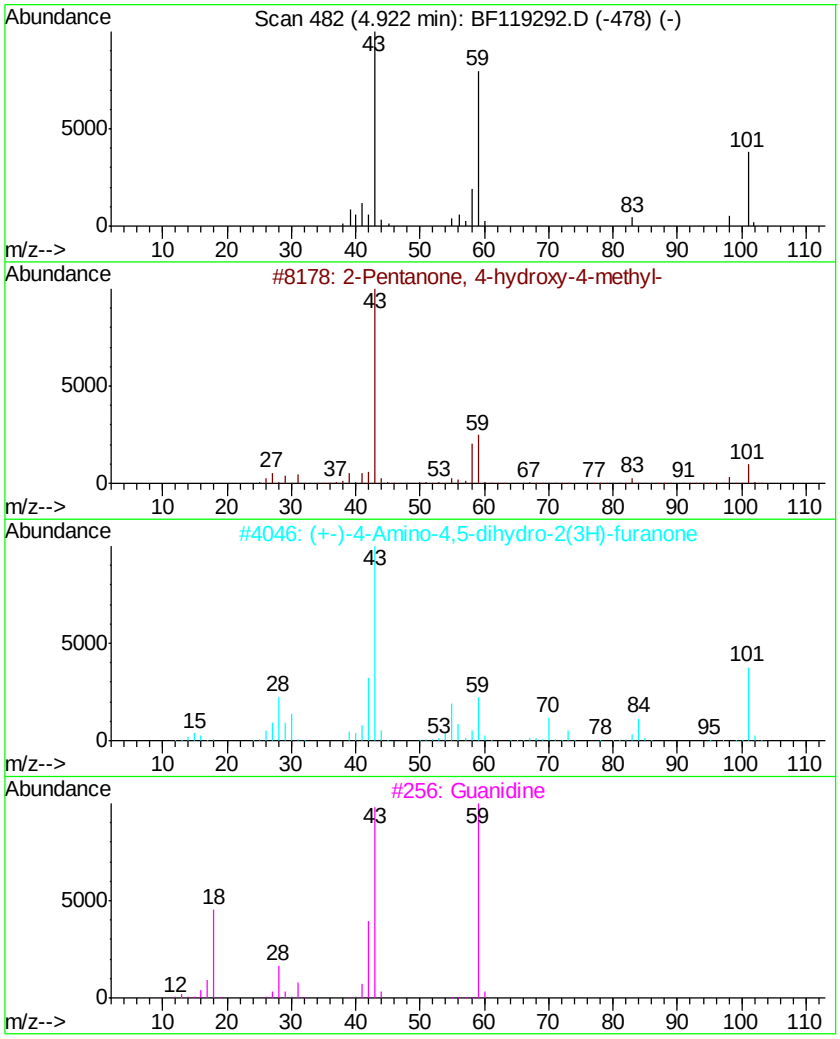
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

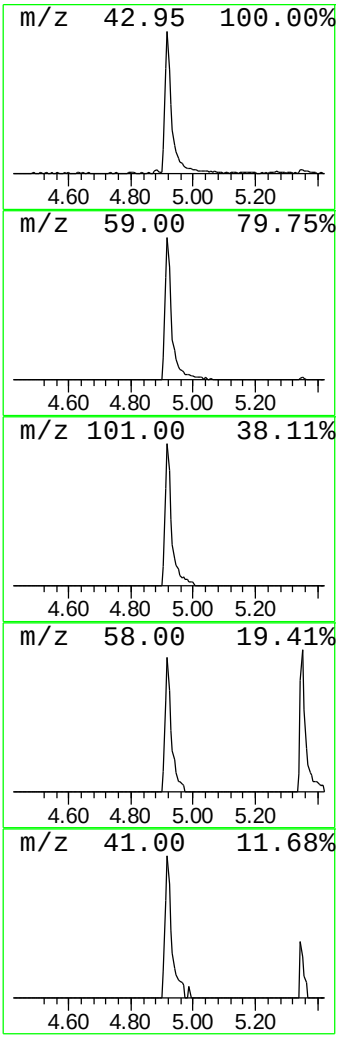
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.92 | 6.21 ng | 152553 | 1,4-Dichlorobenzene-d4 | 6.72 |

| 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 | 47 |
| 3 | Guanidine | 59 | CH5N3 | 000113-00-8 | 43 |
| 4 | 3-Hydroxy-3-methyl-2-butanone | 102 | C5H10O2 | 000115-22-0 | 25 |
| 5 | Acetone | 58 | C3H6O | 000067-64-1 | 9 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030920\
Data File : BF119292.D
Acq On : 9 Mar 2020 19:29
Operator : CG/JU
Sample : L1844-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** GP-18-030520

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

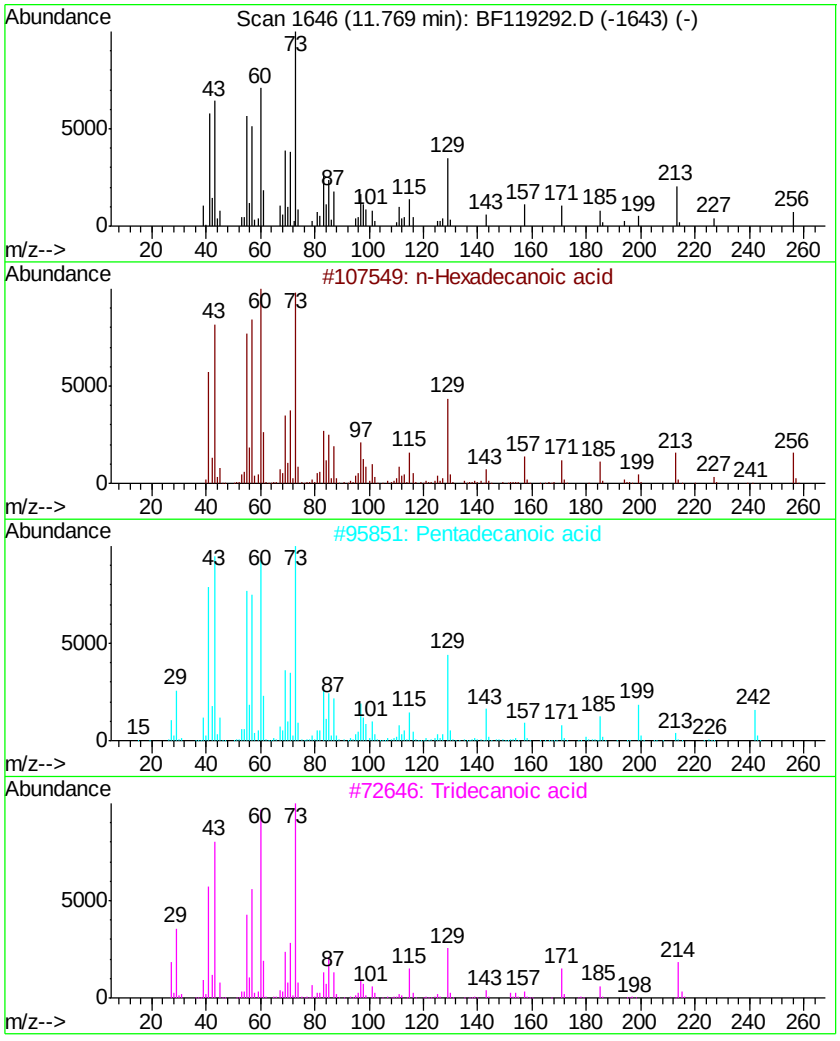
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

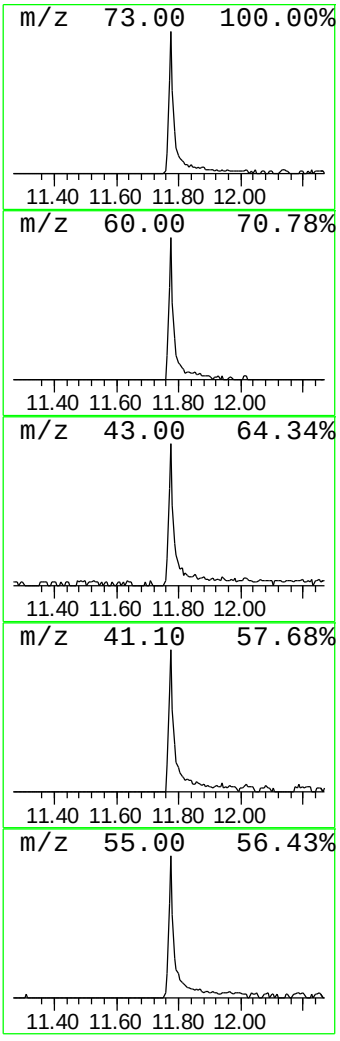
**********

Peak Number 3 n-Hexadecanoic acid Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.77 | 5.29 ng | 243625 | Phenanthrene-d10 | 11.24 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 97 |
| 2 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 87 |
| 3 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 76 |
| 4 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 70 |
| 5 | Sulfurous acid, 2-propyl tetrade... | 320 | C17H36O3S | 1000309-12-5 | 25 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030920\
Data File : BF119292.D
Acq On : 9 Mar 2020 19:29
Operator : CG/JU
Sample : L1844-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** GP-18-030520

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

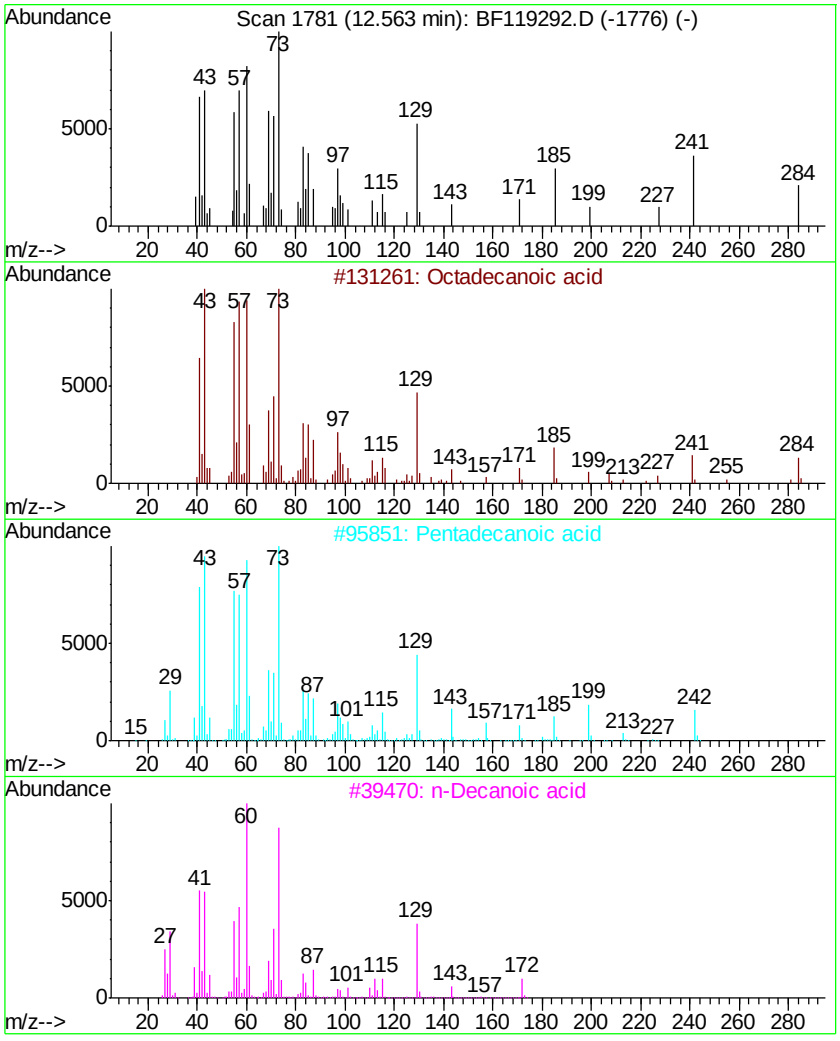
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

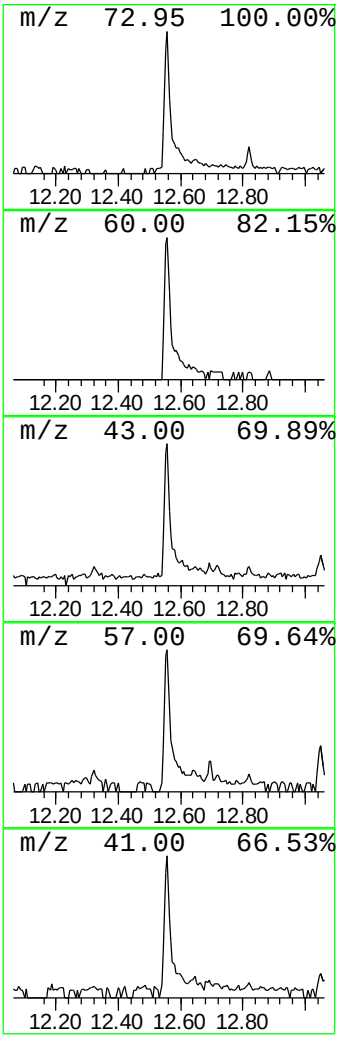
**********

Peak Number 4 Octadecanoic acid Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.56 | 3.31 ng | 152318 | Phenanthrene-d10 | 11.24 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 99 |
| 2 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 70 |
| 3 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 58 |
| 4 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 58 |
| 5 | Sulfurous acid, octadecyl 2-prop... | 376 | C21H44O3S | 1000309-12-7 | 30 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030920\
Data File : BF119292.D
Acq On : 9 Mar 2020 19:29
Operator : CG/JU
Sample : L1844-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** GP-18-030520

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

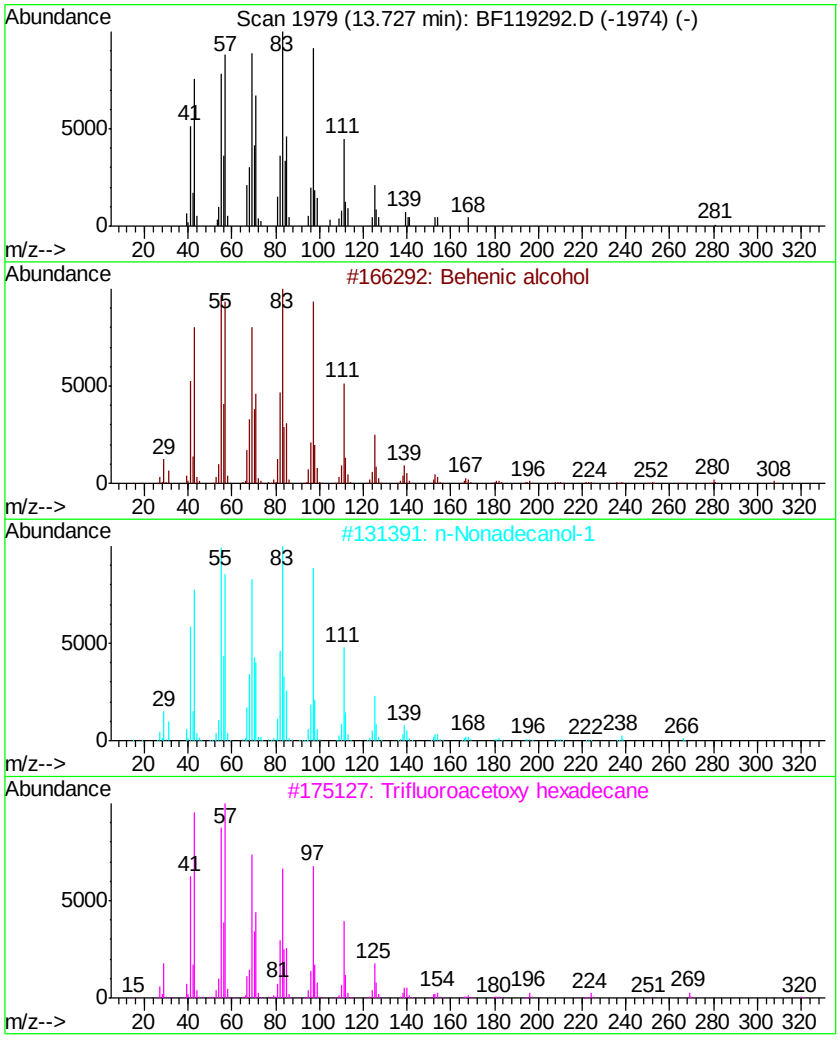
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

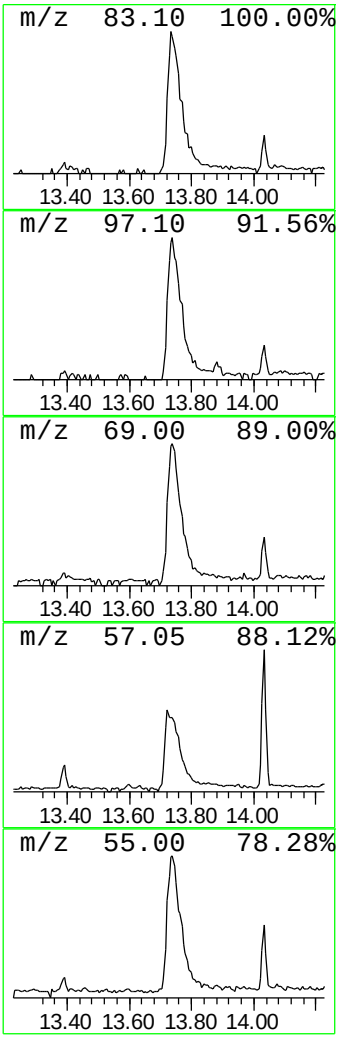
**********

Peak Number 5 Behenic alcohol Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.73 | 8.45 ng | 398492 | Chrysene-d12 | 13.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Behenic alcohol | 326 | C22H46O | 000661-19-8 | 95 |
| 2 | n-Nonadecanol-1 | 284 | C19H40O | 001454-84-8 | 95 |
| 3 | Trifluoroacetoxy hexadecane | 338 | C18H33F3O2 | 006222-03-3 | 91 |
| 4 | Heptafluorobutyric acid, pentade... | 424 | C19H31F7O2 | 959261-23-5 | 91 |
| 5 | Carbonic acid, octadecyl 2,2,2-t... | 444 | C21H39Cl3O3 | 1000314-56-3 | 91 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030920\
Data File : BF119292.D
Acq On : 9 Mar 2020 19:29
Operator : CG/JU
Sample : L1844-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** GP-18-030520

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

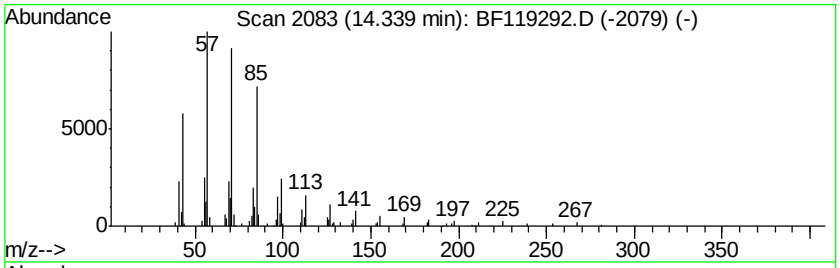
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

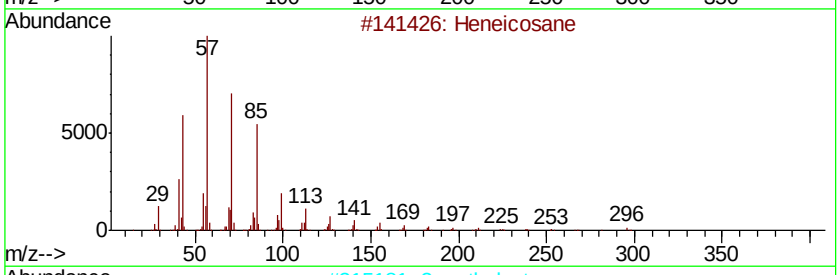
**********

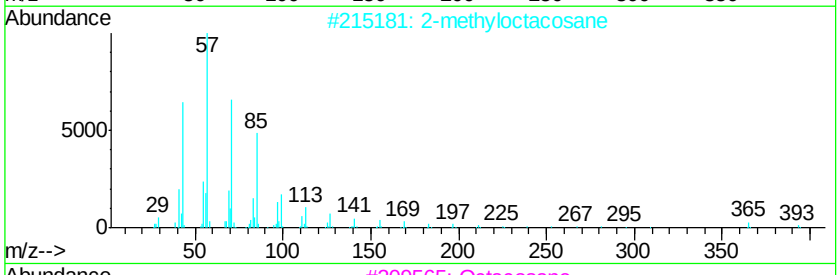
Peak Number 6 Heneicosane Concentration Rank 9

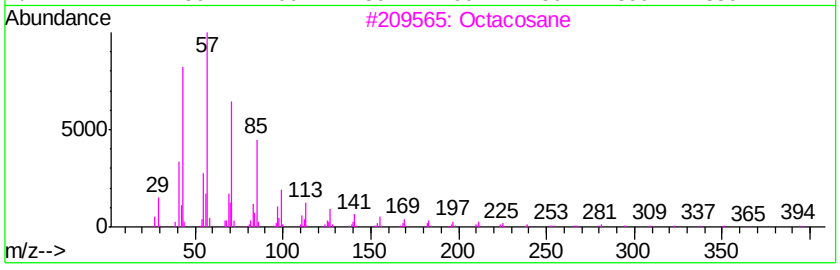
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.34 | 3.25 ng | 153217 | Chrysene-d12 | 13.88 |

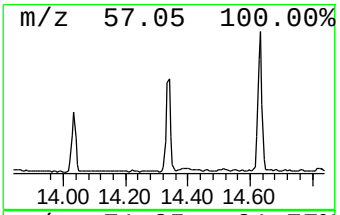
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 2 | 2-methyloctacosane | 408 | C29H60 | 1000376-72-8 | 91 |
| 3 | Octacosane | 394 | C28H58 | 000630-02-4 | 91 |
| 4 | Eicosane, 7-hexyl- | 366 | C26H54 | 055333-99-8 | 91 |
| 5 | Heneicosane, 11-(1-ethylpropyl)- | 366 | C26H54 | 055282-11-6 | 91 |

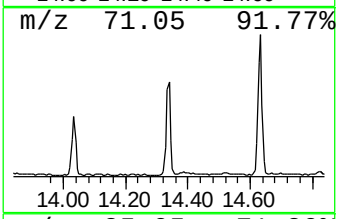


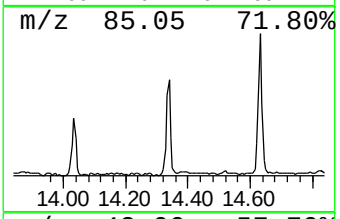



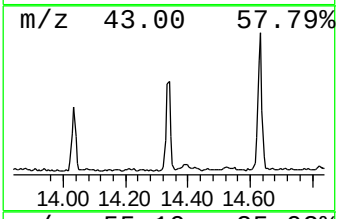



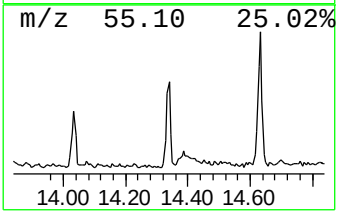



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Operator : CG/JU
Sample : L1844-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** GP-18-030520

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

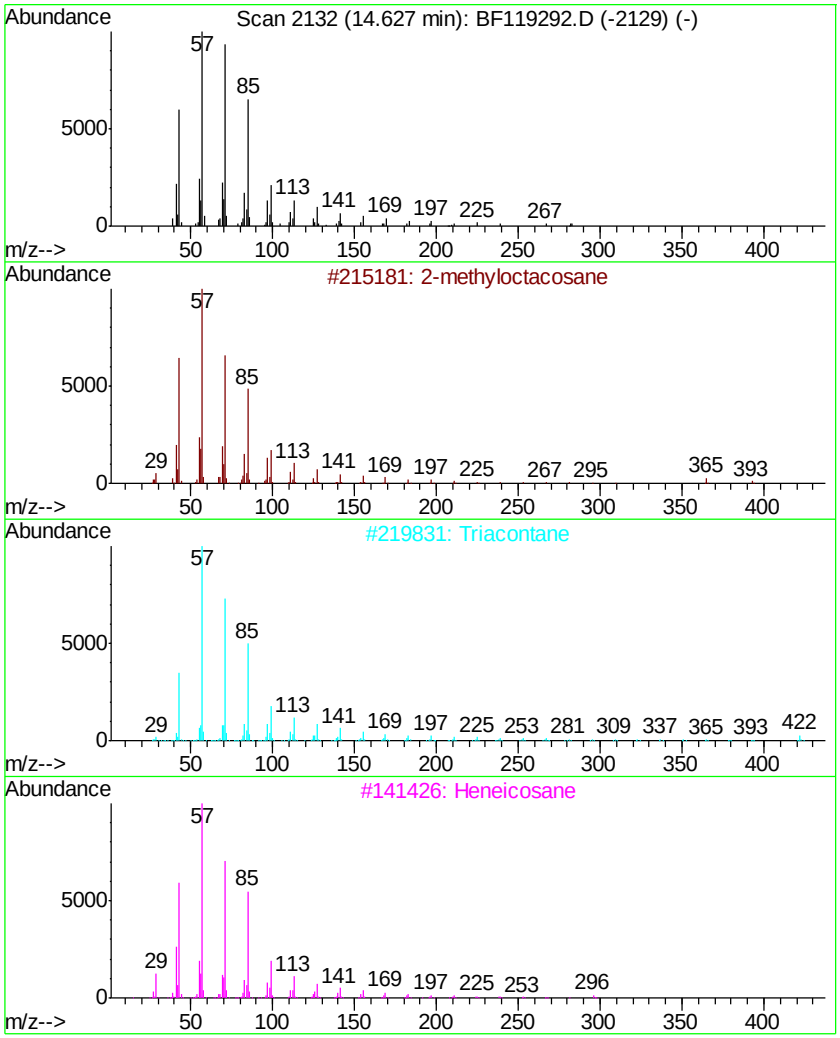
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

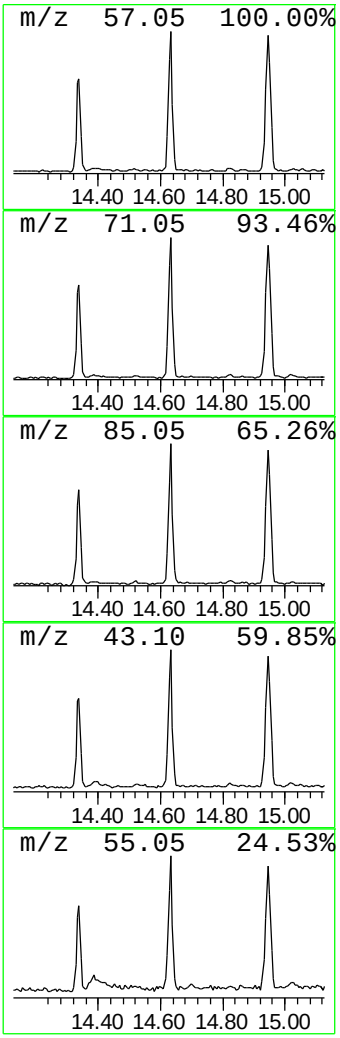
**********

Peak Number 7 2-methyloctacosane Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.63 | 4.07 ng | 224201 | Perylene-d12 | 15.31 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-methyloctacosane | 408 | C29H60 | 1000376-72-8 | 91 |
| 2 | Triacontane | 422 | C30H62 | 000638-68-6 | 91 |
| 3 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 4 | Eicosane, 7-hexyl- | 366 | C26H54 | 055333-99-8 | 91 |
| 5 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 91 |



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Sample : L1844-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** GP-18-030520

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

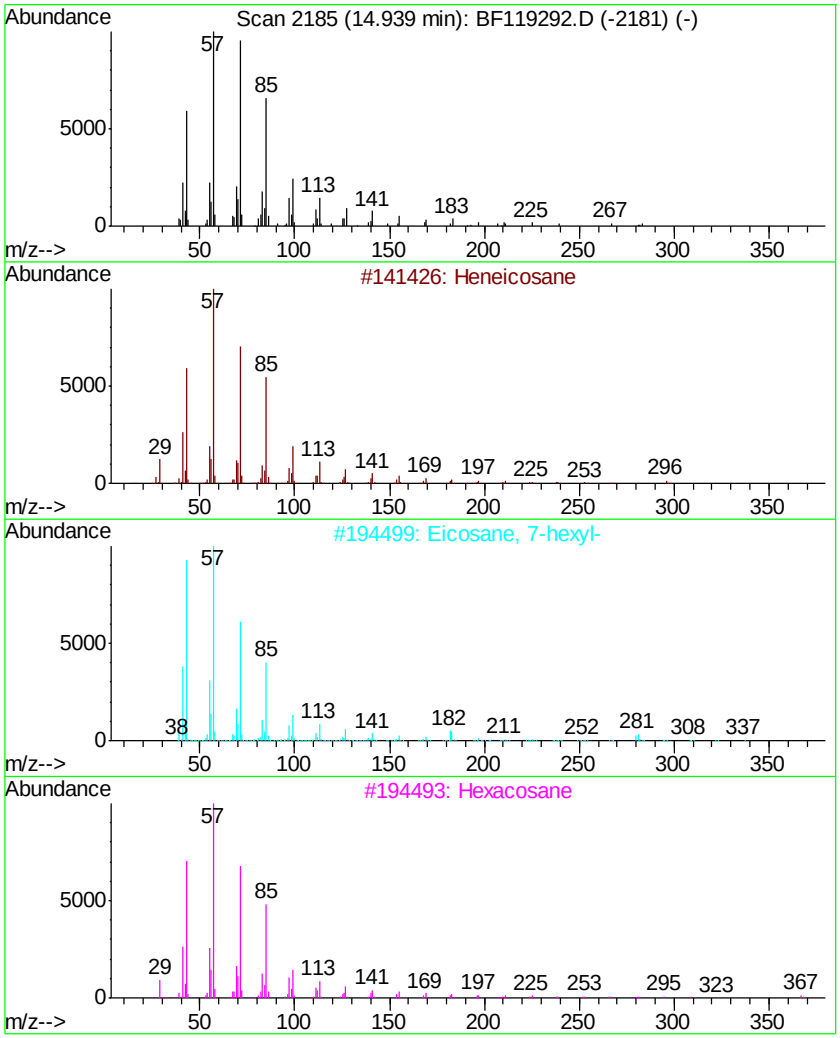
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

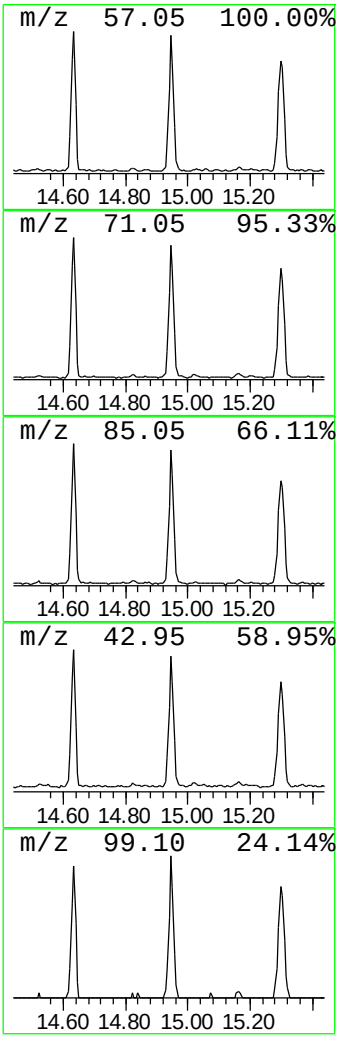
**********

Peak Number 8 Eicosane, 7-hexyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.94 | 4.69 ng | 258163 | Perylene-d12 | 15.31 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 2 | Eicosane, 7-hexyl- | 366 | C26H54 | 055333-99-8 | 91 |
| 3 | Hexacosane | 366 | C26H54 | 000630-01-3 | 90 |
| 4 | 2-methyloctacosane | 408 | C29H60 | 1000376-72-8 | 90 |
| 5 | Triacontane | 422 | C30H62 | 000638-68-6 | 87 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030920\
Data File : BF119292.D
Acq On : 9 Mar 2020 19:29
Operator : CG/JU
Sample : L1844-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** GP-18-030520

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

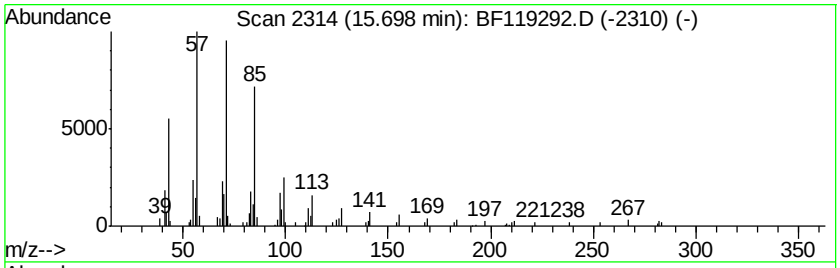
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

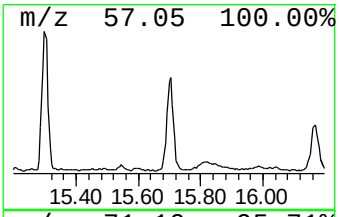
**********

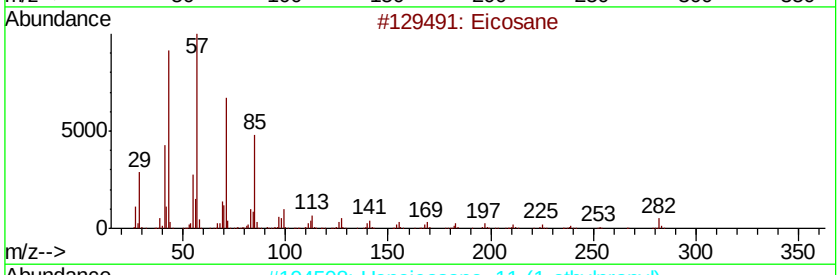
Peak Number 9 Eicosane Concentration Rank 7

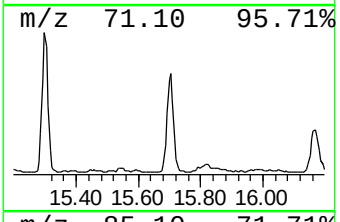
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.70 | 3.55 ng | 195668 | Perylene-d12 | 15.31 |

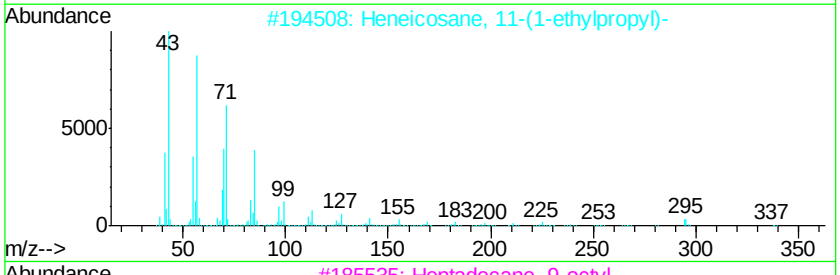
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosane | 282 | C20H42 | 000112-95-8 | 93 |
| 2 | Heneicosane, 11-(1-ethylpropyl)- | 366 | C26H54 | 055282-11-6 | 91 |
| 3 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 91 |
| 4 | Methoxyacetic acid, 4-hexadecyl ... | 314 | C19H38O3 | 1000282-99-0 | 91 |
| 5 | Octacosane | 394 | C28H58 | 000630-02-4 | 90 |

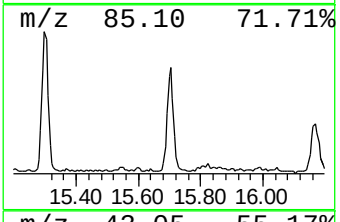


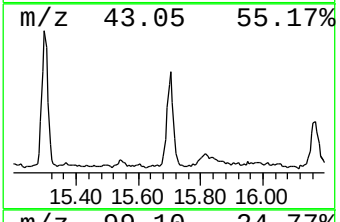



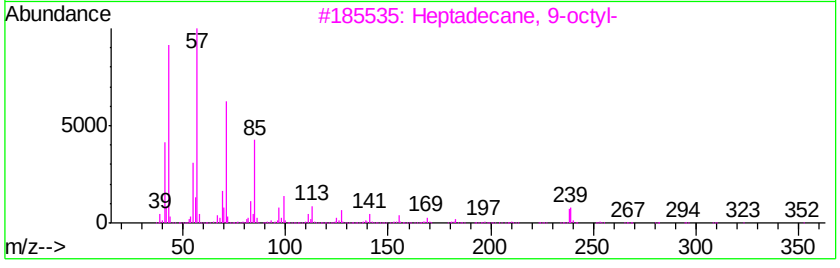



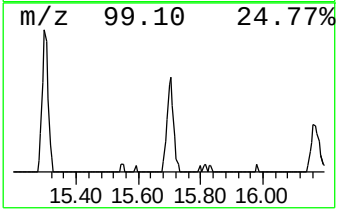



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030920\
Data File : BF119292.D
Acq On : 9 Mar 2020 19:29
Operator : CG/JU
Sample : L1844-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** GP-18-030520

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

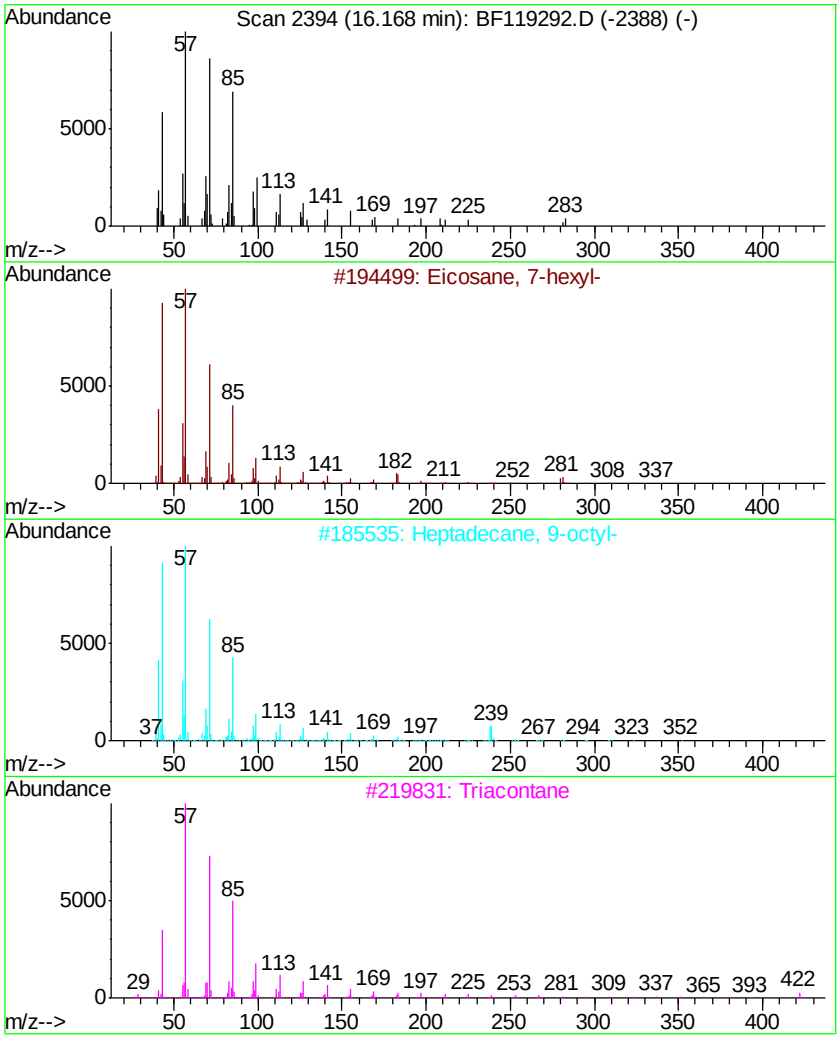
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

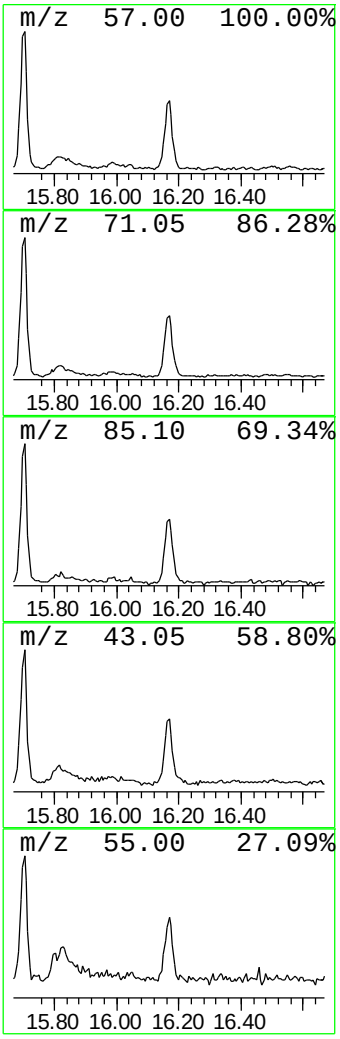
**********

Peak Number 10 Heptadecane, 9-octyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.17 | 2.01 ng | 110516 | Perylene-d12 | 15.31 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosane, 7-hexyl- | 366 | C26H54 | 055333-99-8 | 91 |
| 2 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 91 |
| 3 | Triacontane | 422 | C30H62 | 000638-68-6 | 87 |
| 4 | Hexacosane | 366 | C26H54 | 000630-01-3 | 87 |
| 5 | Eicosane | 282 | C20H42 | 000112-95-8 | 87 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF030920\
Data File : BF119292.D
Acq On : 9 Mar 2020 19:29
Operator : CG/JU
Sample : L1844-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** GP-18-030520

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.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... | 4.92 | 6.2 | ng | 152553 | 1 | 6.72 | 491221 | 20.0 |
| n-Hexadecanoic acid | 11.77 | 5.3 | ng | 243625 | 4 | 11.24 | 920534 | 20.0 |
| Octadecanoic acid | 12.56 | 3.3 | ng | 152318 | 4 | 11.24 | 920534 | 20.0 |
| Behenic alcohol | 13.73 | 8.4 | ng | 398492 | 5 | 13.88 | 943441 | 20.0 |
| Heneicosane | 14.34 | 3.3 | ng | 153217 | 5 | 13.88 | 943441 | 20.0 |
| 2-methyloctacosane | 14.63 | 4.1 | ng | 224201 | 6 | 15.31 | 1101290 | 20.0 |
| Eicosane, 7-hexyl- | 14.94 | 4.7 | ng | 258163 | 6 | 15.31 | 1101290 | 20.0 |
| Eicosane | 15.70 | 3.5 | ng | 195668 | 6 | 15.31 | 1101290 | 20.0 |
| Heptadecane, 9-oc... | 16.17 | 2.0 | ng | 110516 | 6 | 15.31 | 1101290 | 20.0 |