LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122319\
Data File : BP001362.D
Acq On : 23 Dec 2019 12:40
Operator : JU
Sample : PB125644BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** PB125644BL

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_P\METHODS\8270-BP121919.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 | 5.628 | 596 | 602 | 617 | rBV | 234692 | 397537 | 12.92% | 1.773% |
| 2 | 6.222 | 696 | 703 | 707 | rBV | 1588075 | 2051510 | 66.65% | 9.149% |
| 3 | 7.763 | 957 | 965 | 968 | rBV | 1611412 | 2163953 | 70.31% | 9.650% |
| 4 | 7.946 | 989 | 996 | 1000 | rBV | 1759889 | 2213215 | 71.91% | 9.870% |
| 5 | 8.298 | 1051 | 1056 | 1063 | rVB | 348439 | 413138 | 13.42% | 1.842% |
| 6 | 8.545 | 1091 | 1098 | 1102 | rBV | 1465069 | 1737355 | 56.45% | 7.748% |
| 7 | 9.187 | 1199 | 1207 | 1211 | rBV | 1097312 | 1409127 | 45.78% | 6.284% |
| 8 | 10.334 | 1395 | 1402 | 1413 | rBV | 415089 | 489941 | 15.92% | 2.185% |
| 9 | 12.122 | 1698 | 1706 | 1722 | rBV | 2001049 | 2575220 | 83.67% | 11.484% |
| 10 | 13.198 | 1883 | 1889 | 1899 | rBV | 454213 | 582703 | 18.93% | 2.599% |
| 11 | 14.498 | 2102 | 2110 | 2131 | rBV | 1431107 | 1920971 | 62.41% | 8.566% |
| 12 | 15.598 | 2287 | 2297 | 2308 | rBV | 508251 | 634698 | 20.62% | 2.830% |
| 13 | 17.892 | 2680 | 2687 | 2691 | rBV | 2819913 | 3077939 | 100.00% | 13.726% |
| 14 | 19.251 | 2912 | 2918 | 2929 | rBV | 511133 | 599036 | 19.46% | 2.671% |
| 15 | 19.539 | 2962 | 2967 | 2973 | rBV | 72263 | 84658 | 2.75% | 0.378% |
| 16 | 19.933 | 3029 | 3034 | 3041 | rBV | 179886 | 211182 | 6.86% | 0.942% |
| 17 | 20.310 | 3093 | 3098 | 3104 | rBV | 287812 | 355261 | 11.54% | 1.584% |
| 18 | 20.704 | 3159 | 3165 | 3174 | rBV | 254538 | 345149 | 11.21% | 1.539% |
| 19 | 21.027 | 3213 | 3220 | 3232 | rVB | 396013 | 576241 | 18.72% | 2.570% |
| 20 | 21.145 | 3233 | 3240 | 3251 | rBV | 168764 | 267460 | 8.69% | 1.193% |
| 21 | 21.639 | 3318 | 3324 | 3332 | rBV | 96789 | 170526 | 5.54% | 0.760% |
| 22 | 22.209 | 3415 | 3421 | 3429 | rBV2 | 48925 | 98099 | 3.19% | 0.437% |
| 23 | 22.880 | 3529 | 3535 | 3545 | rVB3 | 19676 | 49463 | 1.61% | 0.221% |

Sum of corrected areas: 22424382

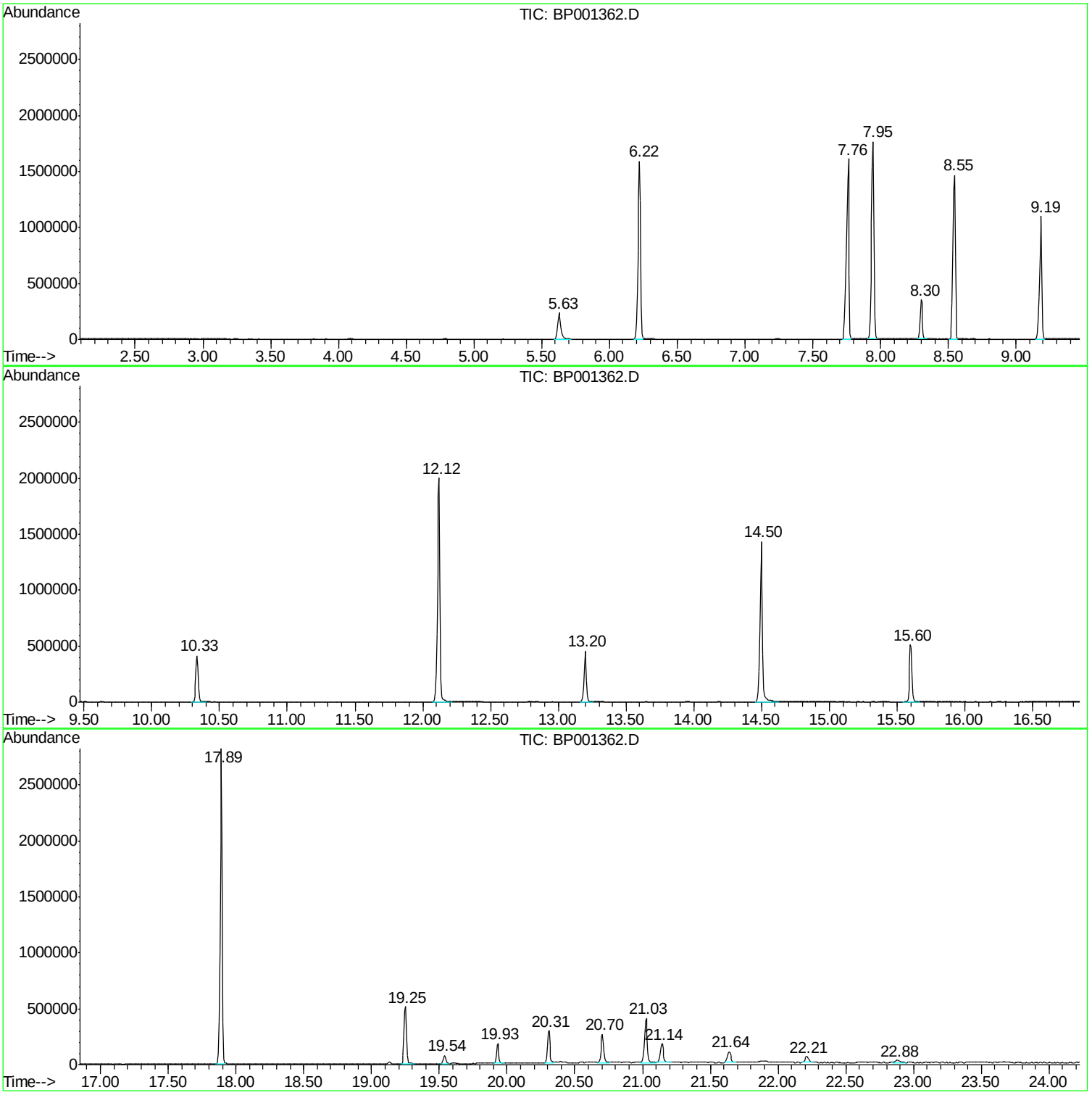
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122319\
Data File : BP001362.D
Acq On : 23 Dec 2019 12:40
Operator : JU
Sample : PB125644BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** PB125644BL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP121919.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 P\DATA\BP122319\
Data File : BP001362.D
Acq On : 23 Dec 2019 12:40
Operator : JU
Sample : PB125644BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** PB125644BL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP121919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

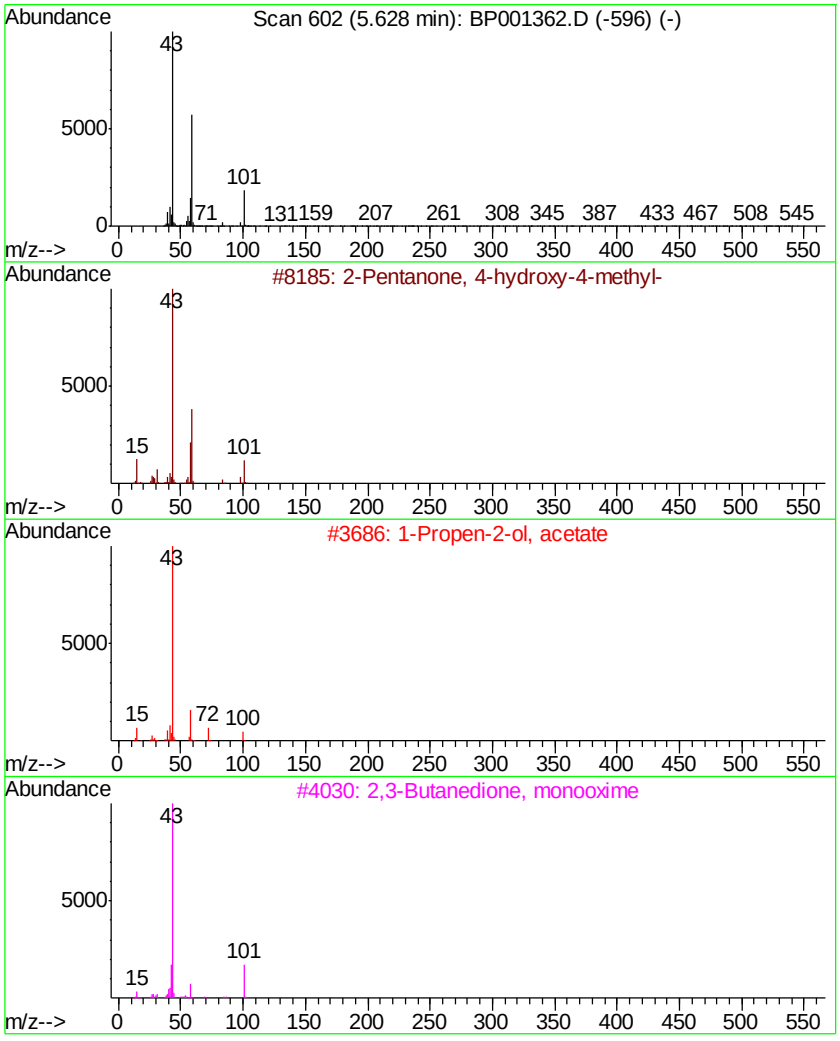
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

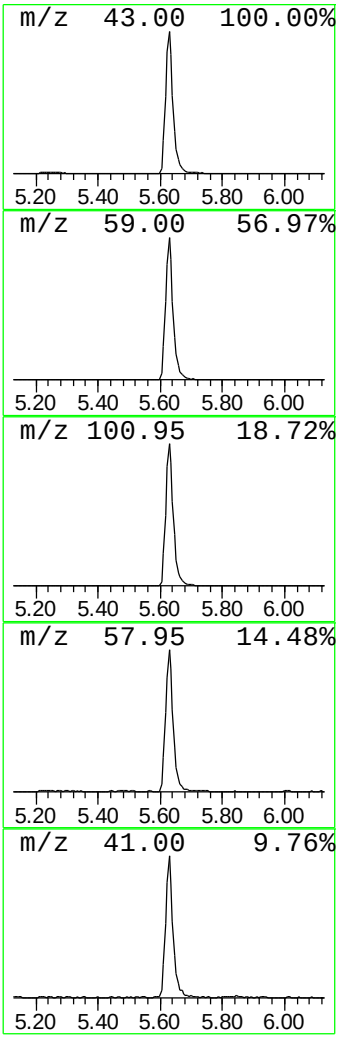
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.63 | 19.24 ng | 397537 | 1,4-Dichlorobenzene-d4 | 8.30 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 50 |
| 2 | 1-Propen-2-ol, acetate | 100 | C5H8O2 | 000108-22-5 | 10 |
| 3 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 9 |
| 4 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 9 |
| 5 | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 9 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122319\
Data File : BP001362.D
Acq On : 23 Dec 2019 12:40
Operator : JU
Sample : PB125644BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** PB125644BL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP121919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

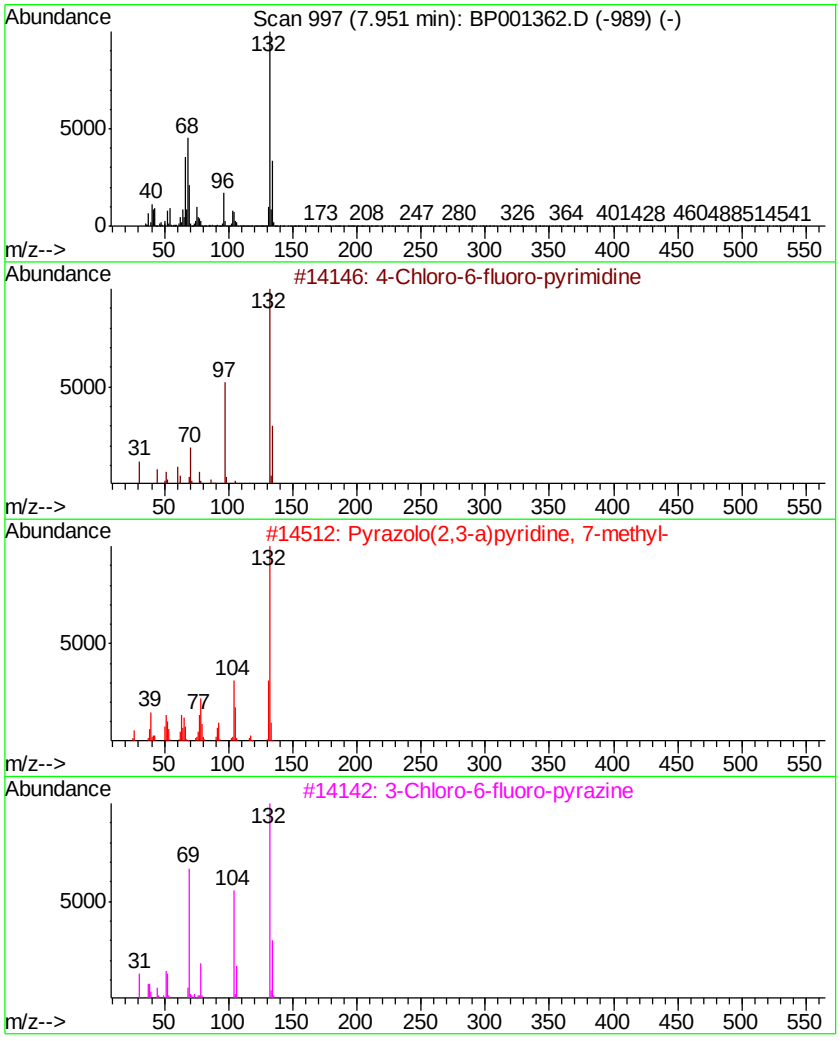
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

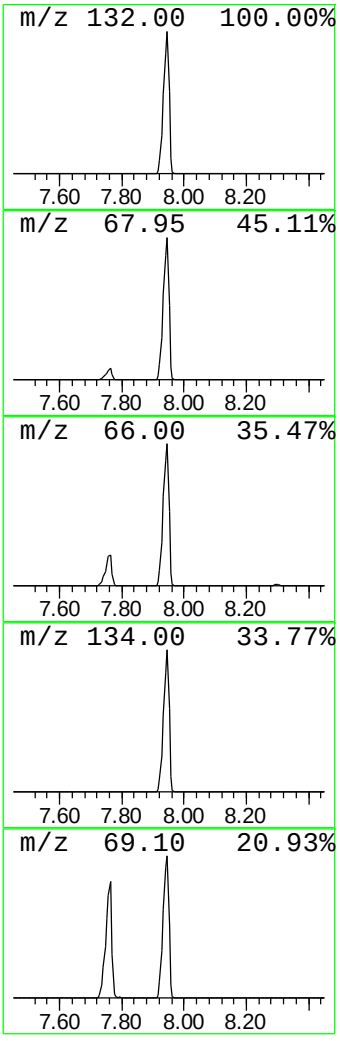
**********

Peak Number 2 unknown7.95 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.95 | 107.14 ng | 2213220 | 1,4-Dichlorobenzene-d4 | 8.30 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4-Chloro-6-fluoro-pyrimidine | 132 | C4H2ClFN2 | 051422-01-6 | 14 |
| 2 | Pyrazolo(2,3-a)pyridine, 7-methyl- | 132 | C8H8N2 | 034760-58-2 | 10 |
| 3 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 10 |
| 4 | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0 | 10 |
| 5 | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2 | 022291-85-6 | 10 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122319\
Data File : BP001362.D
Acq On : 23 Dec 2019 12:40
Operator : JU
Sample : PB125644BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** PB125644BL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP121919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

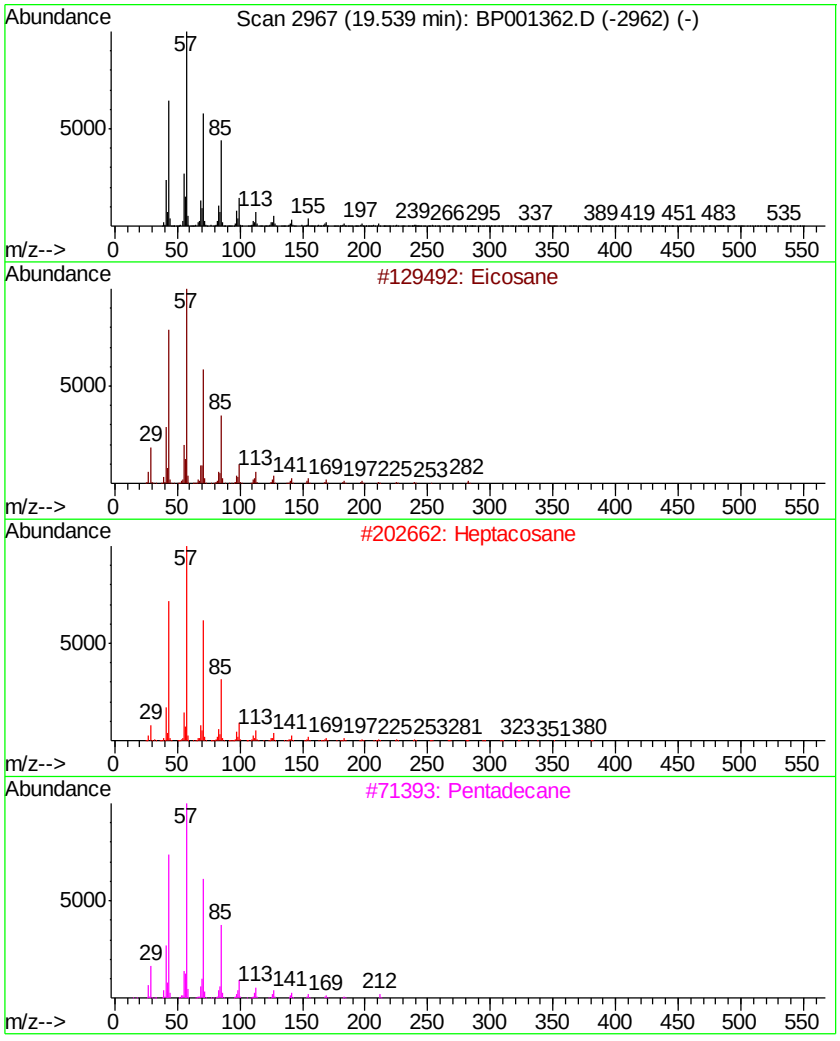
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

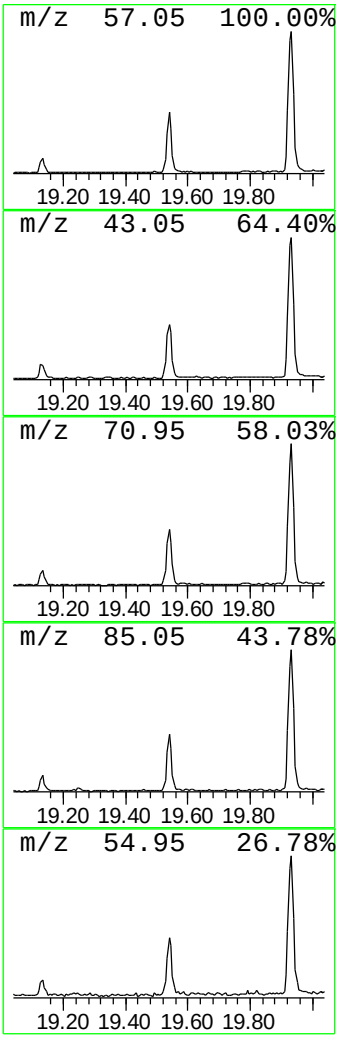
**********

Peak Number 4 Eicosane Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.54 | 2.83 ng | 84658 | Chrysene-d12 | 19.25 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosane | 282 | C20H42 | 000112-95-8 | 94 |
| 2 | Heptacosane | 380 | C27H56 | 000593-49-7 | 91 |
| 3 | Pentadecane | 212 | C15H32 | 000629-62-9 | 91 |
| 4 | Heneicosane | 296 | C21H44 | 000629-94-7 | 90 |
| 5 | Tricosane | 324 | C23H48 | 000638-67-5 | 86 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122319\
Data File : BP001362.D
Acq On : 23 Dec 2019 12:40
Operator : JU
Sample : PB125644BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** PB125644BL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP121919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

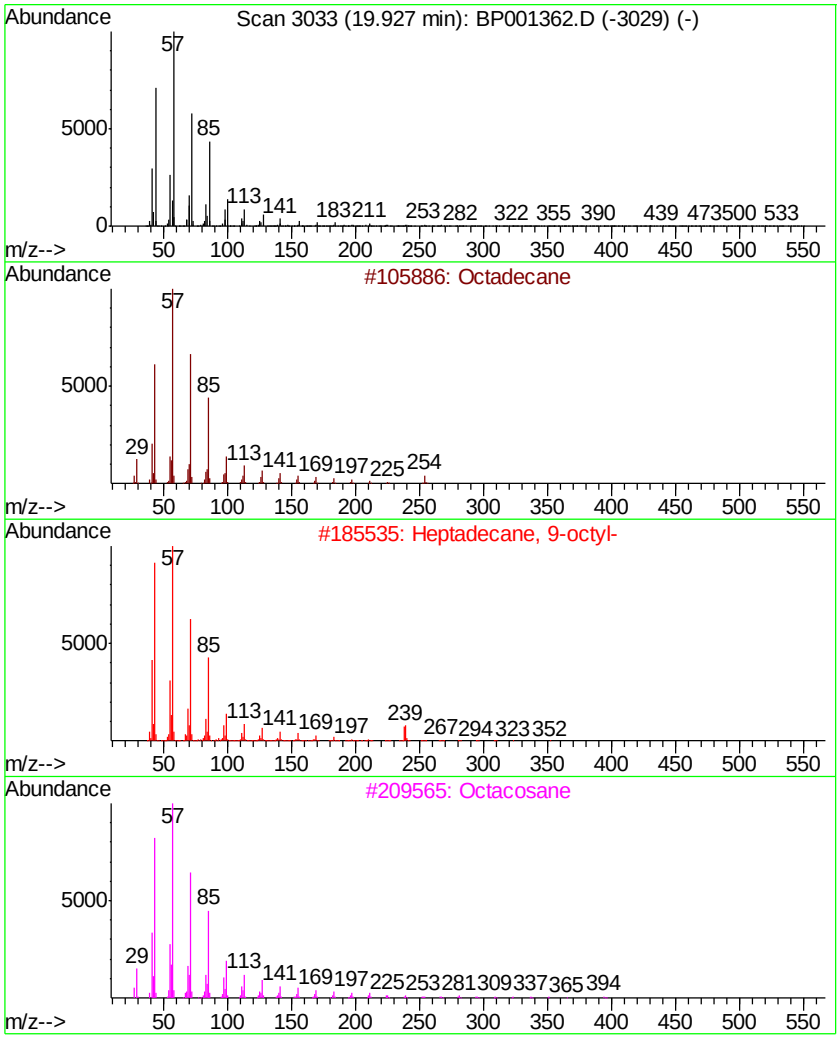
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

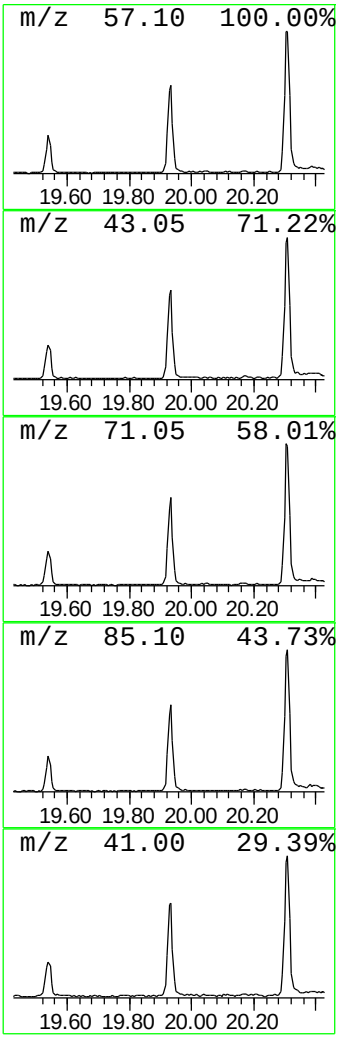
**********

Peak Number 5 Octadecane Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.93 | 7.05 ng | 211182 | Chrysene-d12 | 19.25 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecane | 254 | C18H38 | 000593-45-3 | 95 |
| 2 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 95 |
| 3 | Octacosane | 394 | C28H58 | 000630-02-4 | 94 |
| 4 | Heptacosane | 380 | C27H56 | 000593-49-7 | 91 |
| 5 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122319\
Data File : BP001362.D
Acq On : 23 Dec 2019 12:40
Operator : JU
Sample : PB125644BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** PB125644BL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP121919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

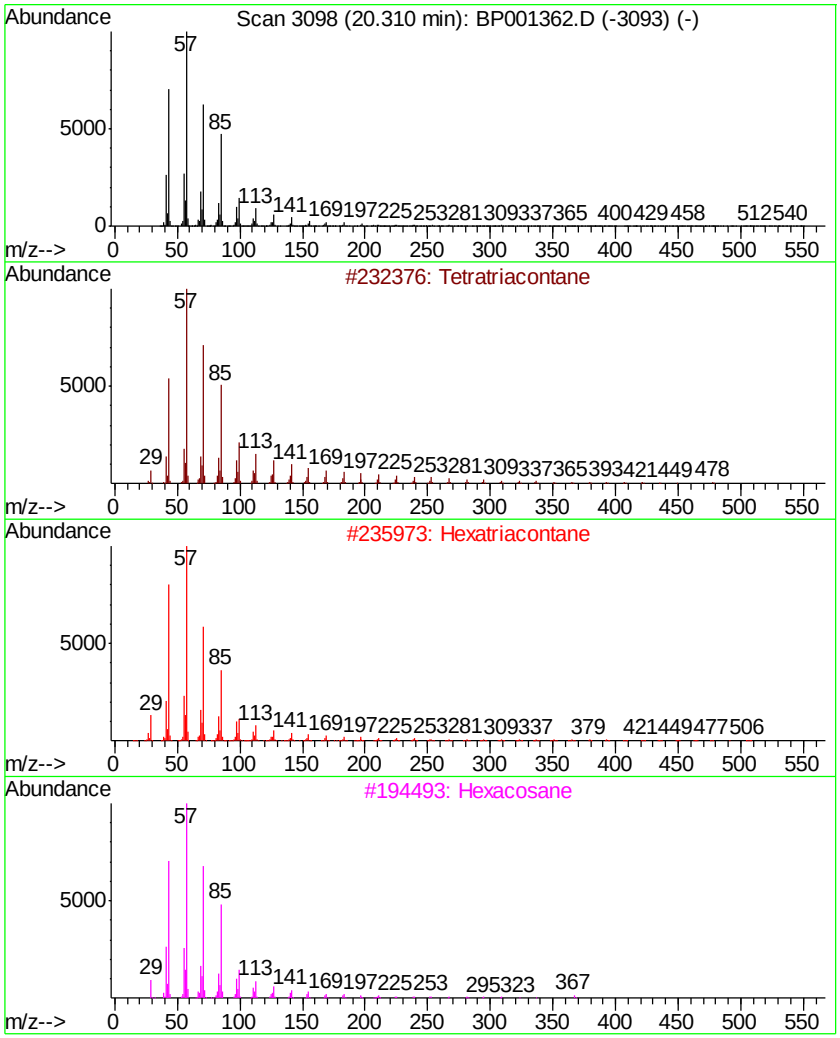
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

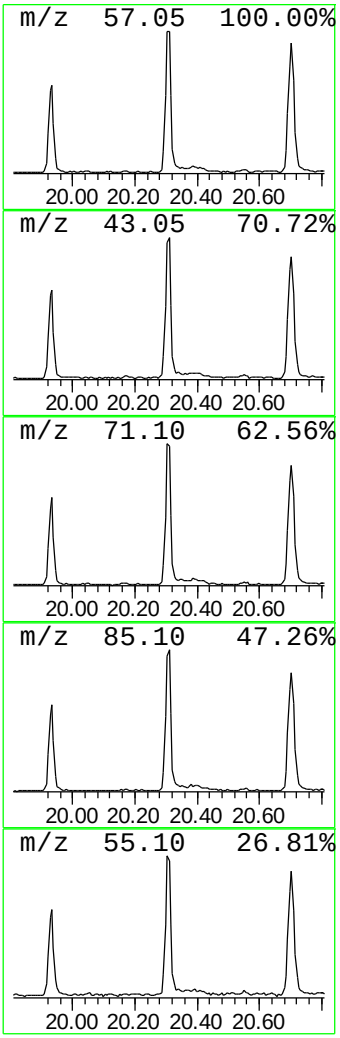
**********

Peak Number 6 Tetratriacontane Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.31 | 12.33 ng | 355261 | Perylene-d12 | 21.03 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetratriacontane | 479 | C34H70 | 014167-59-0 | 97 |
| 2 | Hexatriacontane | 507 | C36H74 | 000630-06-8 | 95 |
| 3 | Hexacosane | 366 | C26H54 | 000630-01-3 | 91 |
| 4 | Octacosane | 394 | C28H58 | 000630-02-4 | 91 |
| 5 | 2-methyloctacosane | 408 | C29H60 | 1000376-72-8 | 91 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122319\
Data File : BP001362.D
Acq On : 23 Dec 2019 12:40
Operator : JU
Sample : PB125644BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** PB125644BL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP121919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

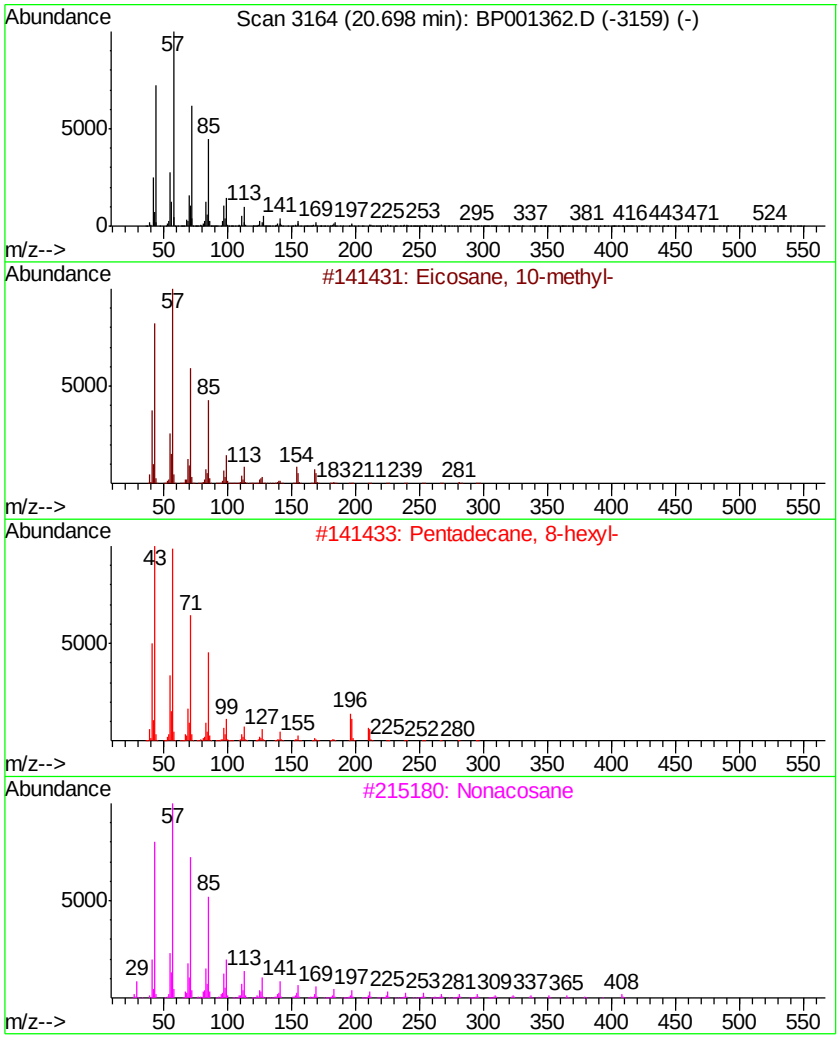
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

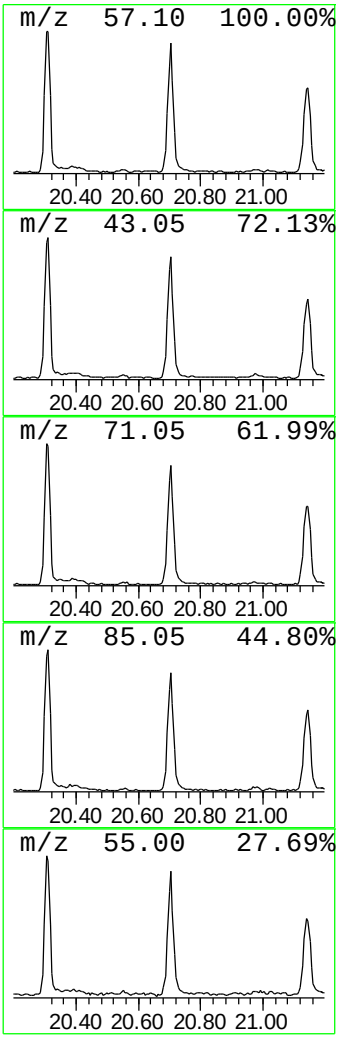
**********

Peak Number 7 Eicosane, 10-methyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.70 | 11.98 ng | 345149 | Perylene-d12 | 21.03 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosane, 10-methyl- | 296 | C21H44 | 054833-23-7 | 94 |
| 2 | Pentadecane, 8-hexyl- | 296 | C21H44 | 013475-75-7 | 94 |
| 3 | Nonacosane | 408 | C29H60 | 000630-03-5 | 93 |
| 4 | Hexacosane | 366 | C26H54 | 000630-01-3 | 91 |
| 5 | 1-Iodo-2-methylundecane | 296 | C12H25I | 073105-67-6 | 91 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122319\
Data File : BP001362.D
Acq On : 23 Dec 2019 12:40
Operator : JU
Sample : PB125644BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** PB125644BL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP121919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

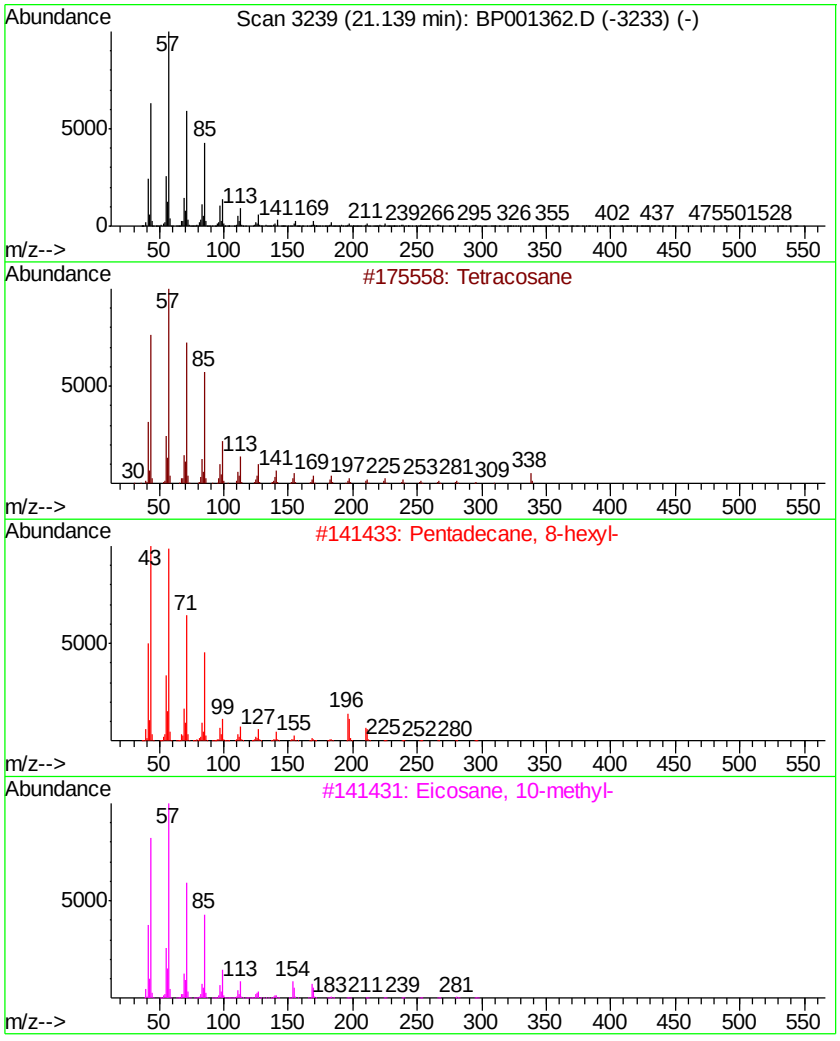
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

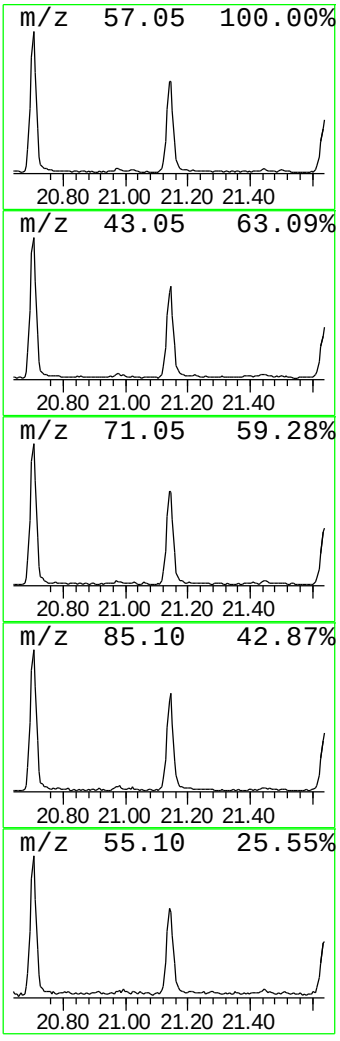
**********

Peak Number 8 Tetracosane Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.14 | 9.28 ng | 267460 | Perylene-d12 | 21.03 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetracosane | 338 | C24H50 | 000646-31-1 | 94 |
| 2 | Pentadecane, 8-hexyl- | 296 | C21H44 | 013475-75-7 | 94 |
| 3 | Eicosane, 10-methyl- | 296 | C21H44 | 054833-23-7 | 93 |
| 4 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 91 |
| 5 | Octacosane | 394 | C28H58 | 000630-02-4 | 91 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122319\
Data File : BP001362.D
Acq On : 23 Dec 2019 12:40
Operator : JU
Sample : PB125644BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** PB125644BL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP121919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

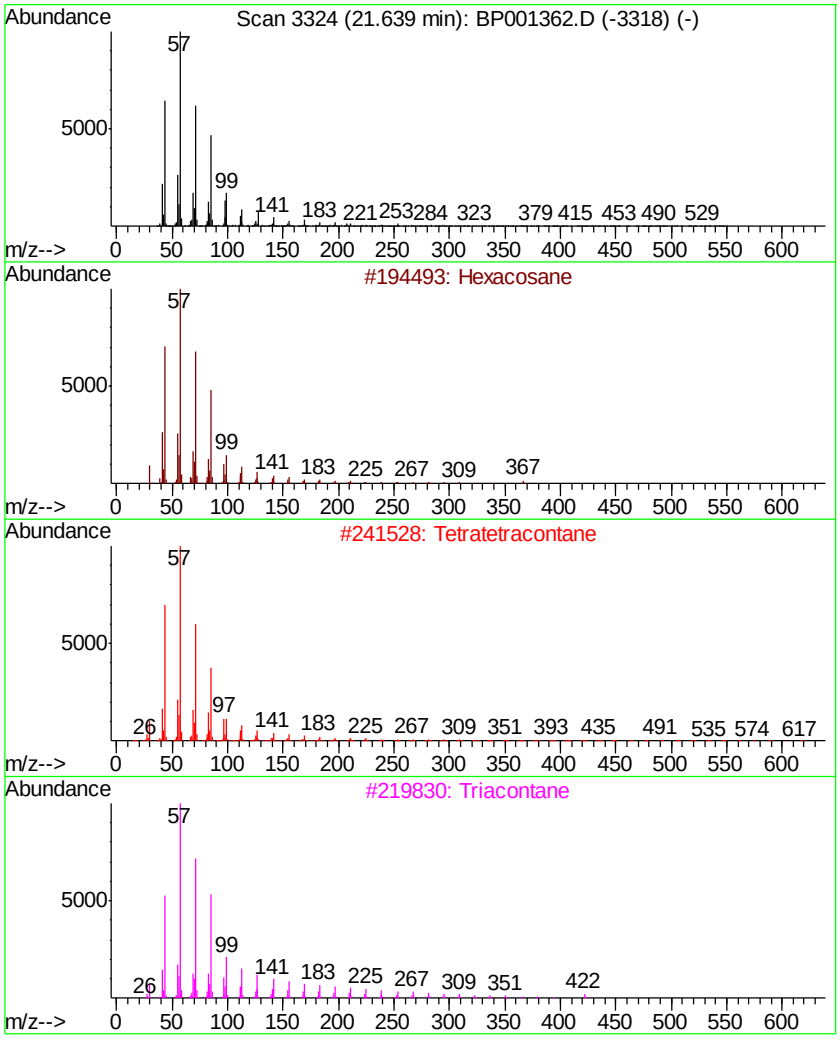
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

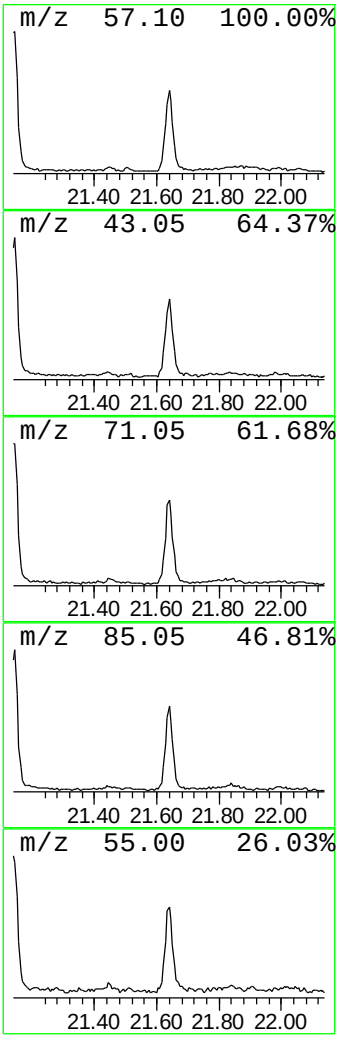
**********

Peak Number 9 Hexacosane Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.64 | 5.92 ng | 170526 | Perylene-d12 | 21.03 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexacosane | 366 | C26H54 | 000630-01-3 | 91 |
| 2 | Tetratetracontane | 619 | C44H90 | 007098-22-8 | 91 |
| 3 | Triacontane | 422 | C30H62 | 000638-68-6 | 91 |
| 4 | Octacosane | 394 | C28H58 | 000630-02-4 | 91 |
| 5 | Heptacosane | 380 | C27H56 | 000593-49-7 | 90 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122319\
Data File : BP001362.D
Acq On : 23 Dec 2019 12:40
Operator : JU
Sample : PB125644BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** PB125644BL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP121919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

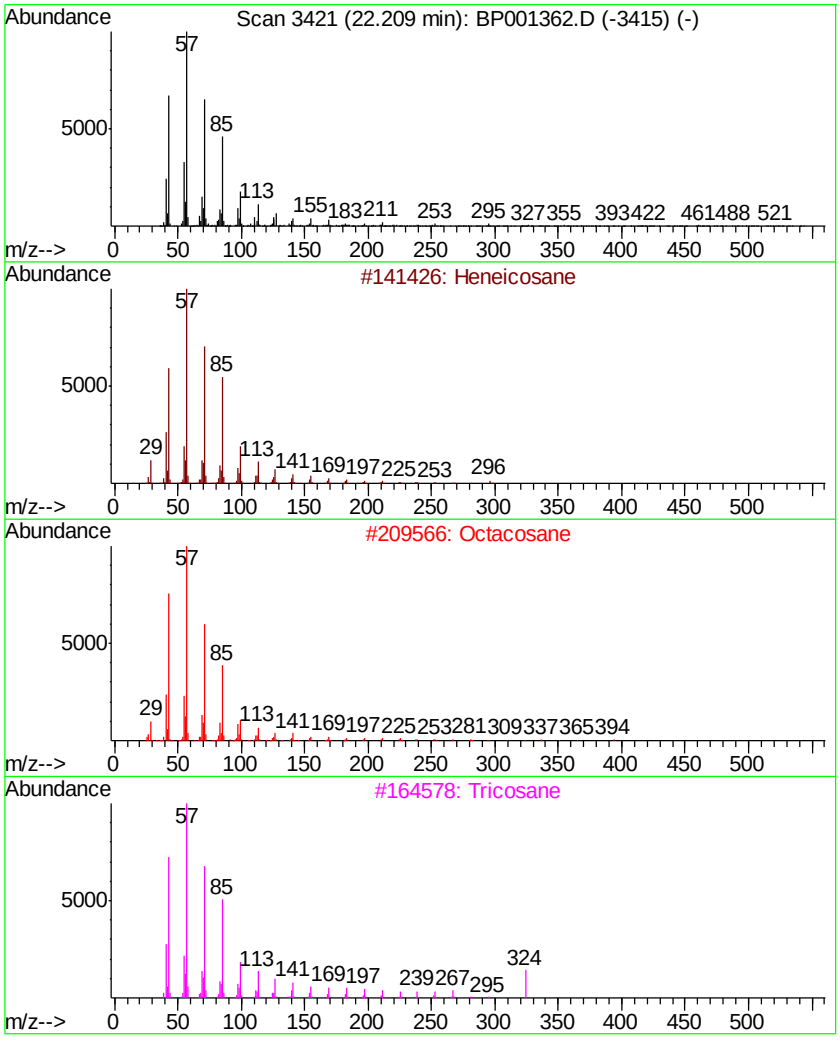
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

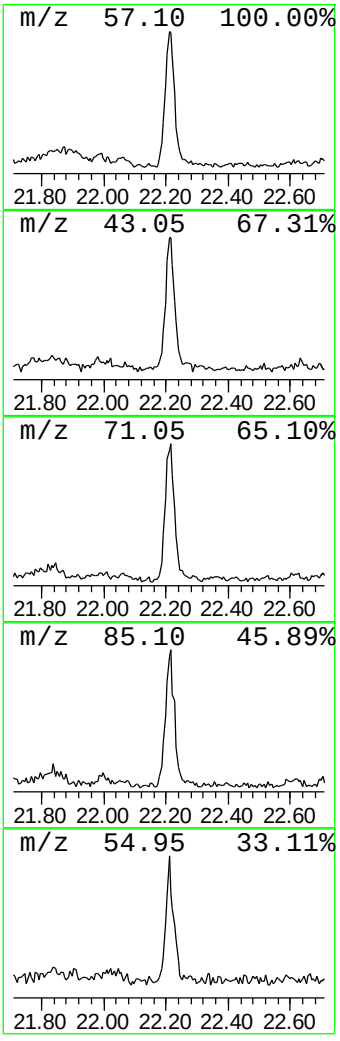
**********

Peak Number 10 Heneicosane Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.21 | 3.40 ng | 98099 | Perylene-d12 | 21.03 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 2 | Octacosane | 394 | C28H58 | 000630-02-4 | 91 |
| 3 | Tricosane | 324 | C23H48 | 000638-67-5 | 91 |
| 4 | Docosane, 11-butyl- | 366 | C26H54 | 013475-76-8 | 91 |
| 5 | Heptacosane | 380 | C27H56 | 000593-49-7 | 91 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP122319\
Data File : BP001362.D
Acq On : 23 Dec 2019 12:40
Operator : JU
Sample : PB125644BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** PB125644BL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP121919.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... | 5.63 | 19.2 | ng | 397537 | 1 | 8.30 | 413138 | 20.0 |
| unknown7.95 | 7.95 | 107.1 | ng | 2213220 | 1 | 8.30 | 413138 | 20.0 |
| Eicosane | 19.54 | 2.8 | ng | 84658 | 5 | 19.25 | 599036 | 20.0 |
| Octadecane | 19.93 | 7.0 | ng | 211182 | 5 | 19.25 | 599036 | 20.0 |
| Tetratriacontane | 20.31 | 12.3 | ng | 355261 | 6 | 21.03 | 576241 | 20.0 |
| Eicosane, 10-methyl- | 20.70 | 12.0 | ng | 345149 | 6 | 21.03 | 576241 | 20.0 |
| Tetracosane | 21.14 | 9.3 | ng | 267460 | 6 | 21.03 | 576241 | 20.0 |
| Hexacosane | 21.64 | 5.9 | ng | 170526 | 6 | 21.03 | 576241 | 20.0 |
| Heneicosane | 22.21 | 3.4 | ng | 98099 | 6 | 21.03 | 576241 | 20.0 |