LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP072420\
Data File : BP002855.D
Acq On : 24 Jul 2020 15:59
Operator : CG/JU
Sample : L3382-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** CTR-020

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-BP071020.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 | 5.164 | 380 | 387 | 411 | rBV | 807696 | 1417747 | 36.15% | 7.233% |
| 2 | 6.740 | 648 | 655 | 681 | rBV | 800202 | 1529926 | 39.01% | 7.805% |
| 3 | 7.534 | 783 | 790 | 801 | rBV | 188504 | 310614 | 7.92% | 1.585% |
| 4 | 8.681 | 977 | 985 | 1011 | rBV | 486581 | 941482 | 24.01% | 4.803% |
| 5 | 10.310 | 1254 | 1262 | 1280 | rBV | 216975 | 437952 | 11.17% | 2.234% |
| 6 | 12.799 | 1677 | 1685 | 1709 | rBV | 1319548 | 2082924 | 53.12% | 10.626% |
| 7 | 13.657 | 1825 | 1831 | 1845 | rBV | 135702 | 226712 | 5.78% | 1.157% |
| 8 | 14.187 | 1915 | 1921 | 1944 | rVB | 418166 | 635365 | 16.20% | 3.241% |
| 9 | 15.692 | 2170 | 2177 | 2198 | rBV | 1087101 | 1717063 | 43.79% | 8.760% |
| 10 | 16.945 | 2384 | 2390 | 2403 | rBV | 545410 | 854066 | 21.78% | 4.357% |
| 11 | 19.533 | 2825 | 2830 | 2843 | rVB | 3111956 | 3921514 | 100.00% | 20.006% |
| 12 | 20.786 | 3039 | 3043 | 3050 | rBV2 | 419453 | 587938 | 14.99% | 2.999% |
| 13 | 20.845 | 3050 | 3053 | 3060 | rVB | 71129 | 102527 | 2.61% | 0.523% |
| 14 | 21.057 | 3083 | 3089 | 3105 | rBV | 958956 | 1302688 | 33.22% | 6.646% |
| 15 | 21.222 | 3114 | 3117 | 3125 | rBV | 66843 | 83350 | 2.13% | 0.425% |
| 16 | 21.645 | 3185 | 3189 | 3206 | rBV3 | 123357 | 277221 | 7.07% | 1.414% |
| 17 | 22.098 | 3262 | 3266 | 3271 | rBV | 182112 | 236936 | 6.04% | 1.209% |
| 18 | 22.216 | 3282 | 3286 | 3297 | rVB | 123828 | 187735 | 4.79% | 0.958% |
| 19 | 22.592 | 3345 | 3350 | 3354 | rBV | 266986 | 391820 | 9.99% | 1.999% |
| 20 | 23.145 | 3439 | 3444 | 3451 | rVB | 247155 | 388114 | 9.90% | 1.980% |
| 21 | 23.233 | 3453 | 3459 | 3470 | rVB2 | 728740 | 1362248 | 34.74% | 6.950% |
| 22 | 23.774 | 3546 | 3551 | 3558 | rVB2 | 172812 | 319135 | 8.14% | 1.628% |
| 23 | 23.857 | 3561 | 3565 | 3575 | rVB4 | 66811 | 141195 | 3.60% | 0.720% |
| 24 | 24.504 | 3670 | 3675 | 3682 | rBV2 | 75433 | 144960 | 3.70% | 0.740% |

Sum of corrected areas: 19601232

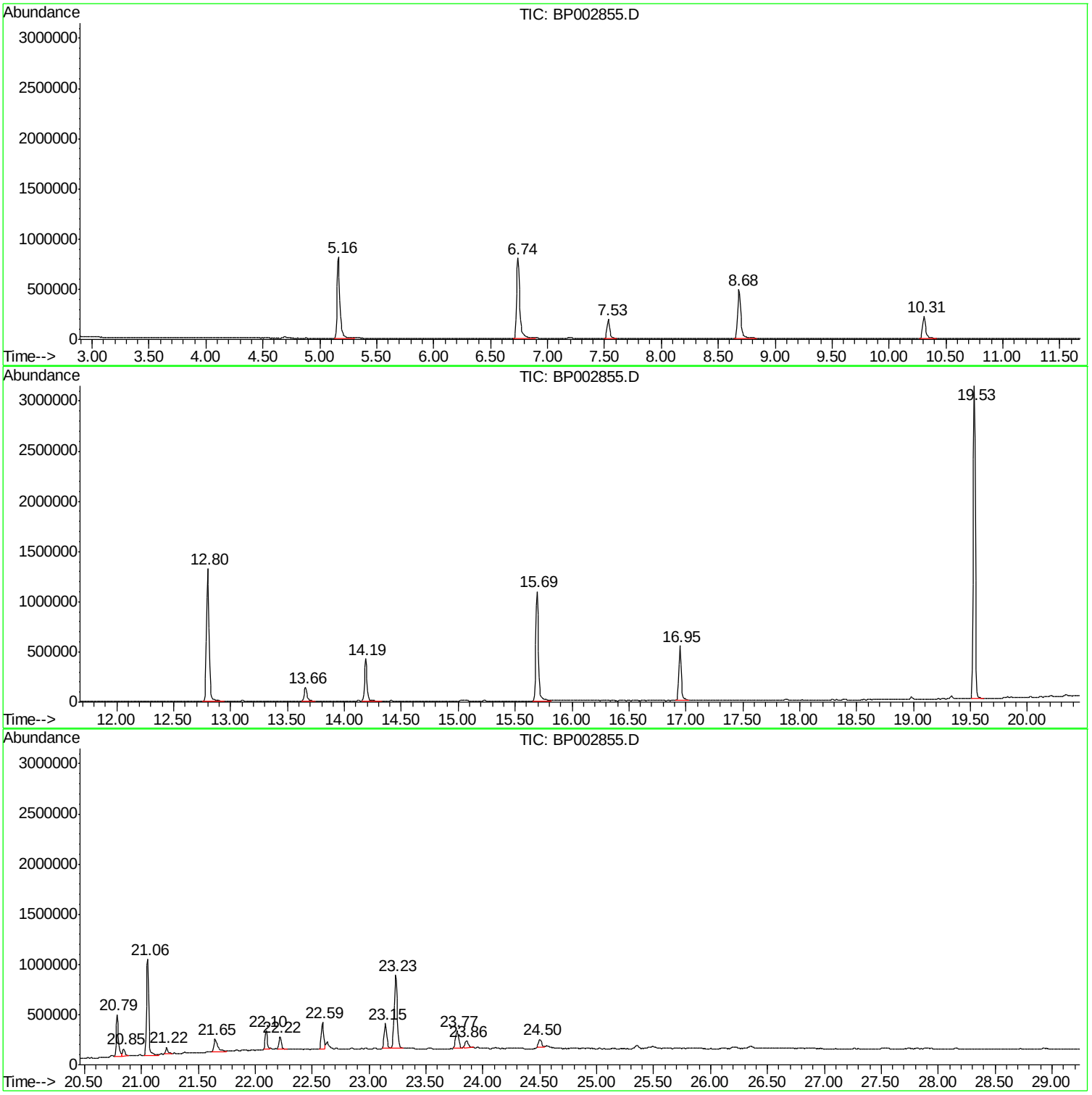
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP072420\
Data File : BP002855.D
Acq On : 24 Jul 2020 15:59
Operator : CG/JU
Sample : L3382-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** CTR-020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.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 P\DATA\BP072420\
Data File : BP002855.D
Acq On : 24 Jul 2020 15:59
Operator : CG/JU
Sample : L3382-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** CTR-020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

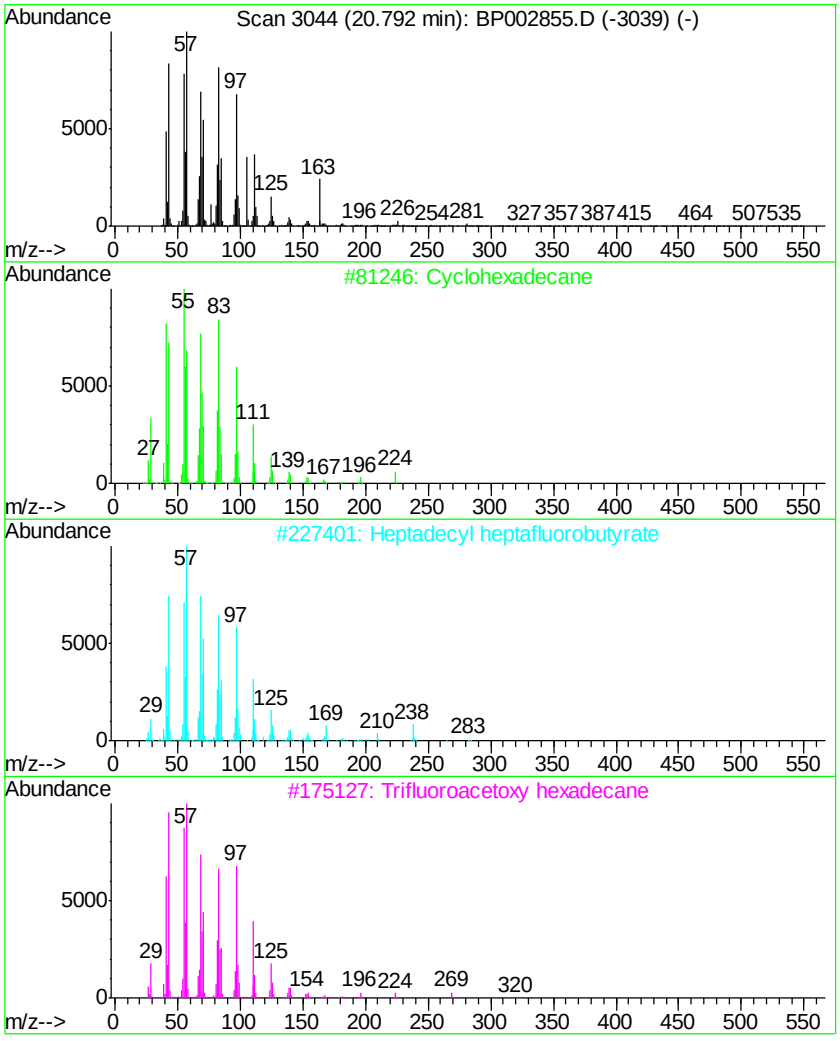
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

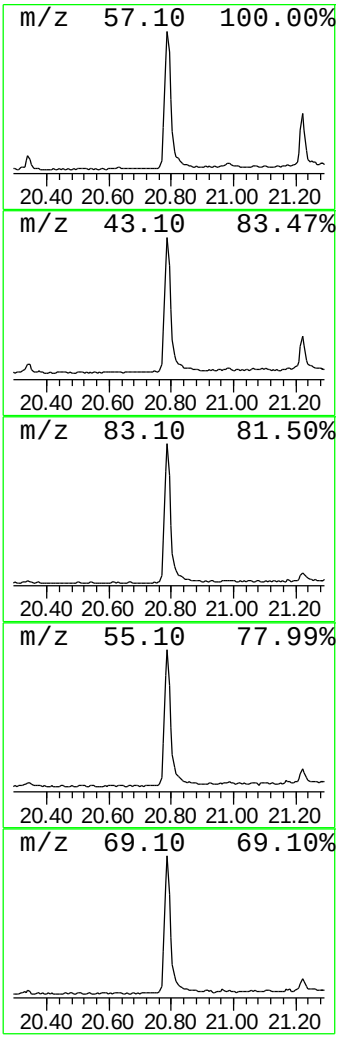
**********

Peak Number 1 Cyclohexadecane Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.79 | 9.03 ng | 587938 | Chrysene-d12 | 21.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexadecane | 224 | C16H32 | 000295-65-8 | 94 |
| 2 | Heptadecyl heptafluorobutyrate | 452 | C21H35F7O2 | 959085-66-6 | 94 |
| 3 | Trifluoroacetoxy hexadecane | 338 | C18H33F3O2 | 006222-03-3 | 94 |
| 4 | Behenic alcohol | 326 | C22H46O | 000661-19-8 | 94 |
| 5 | n-Tetracosanol-1 | 354 | C24H50O | 000506-51-4 | 94 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP072420\
Data File : BP002855.D
Acq On : 24 Jul 2020 15:59
Operator : CG/JU
Sample : L3382-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** CTR-020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

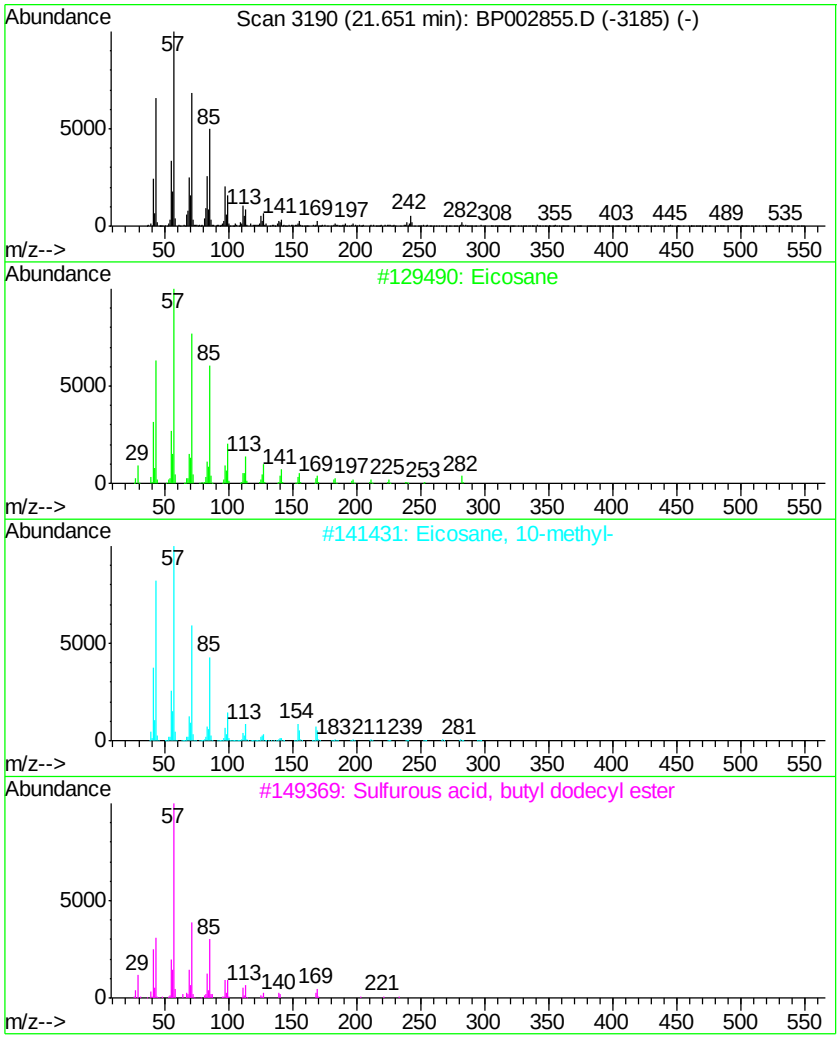
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

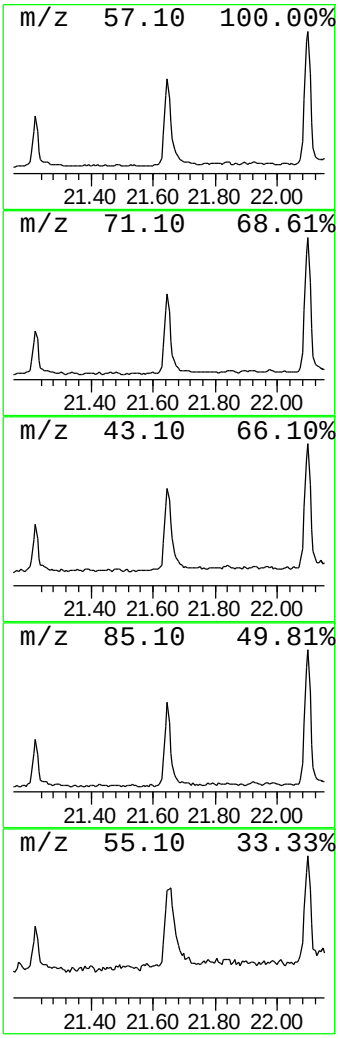
**********

Peak Number 2 Eicosane Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.65 | 4.26 ng | 277221 | Chrysene-d12 | 21.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosane | 282 | C20H42 | 000112-95-8 | 95 |
| 2 | Eicosane, 10-methyl- | 296 | C21H44 | 054833-23-7 | 93 |
| 3 | Sulfurous acid, butyl dodecyl ester | 306 | C16H34O3S | 1000309-17-9 | 91 |
| 4 | Hexacosane | 366 | C26H54 | 000630-01-3 | 91 |
| 5 | Nonadecane | 268 | C19H40 | 000629-92-5 | 87 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP072420\
Data File : BP002855.D
Acq On : 24 Jul 2020 15:59
Operator : CG/JU
Sample : L3382-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** CTR-020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

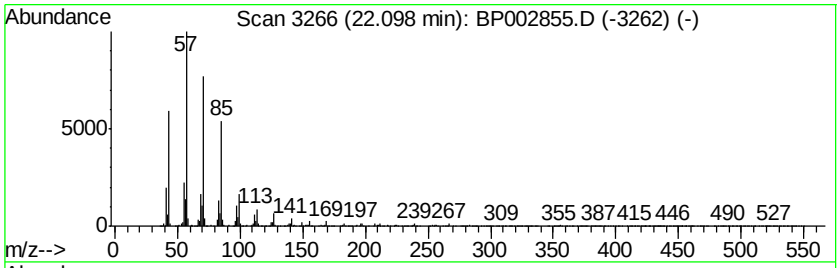
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

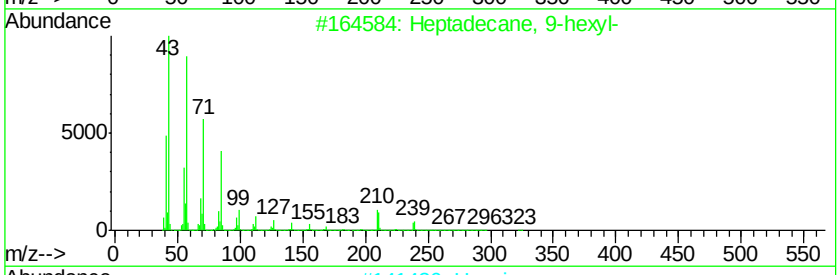
**********

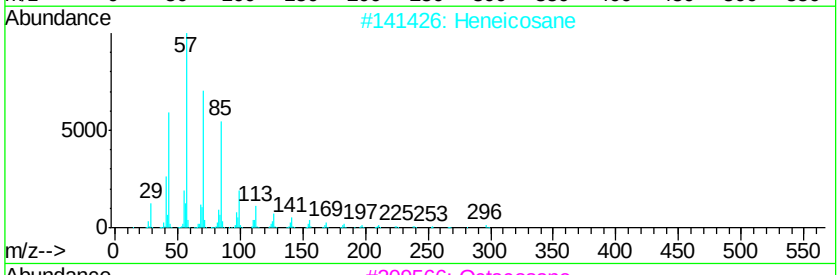
Peak Number 3 Heptadecane, 9-hexyl- Concentration Rank 6

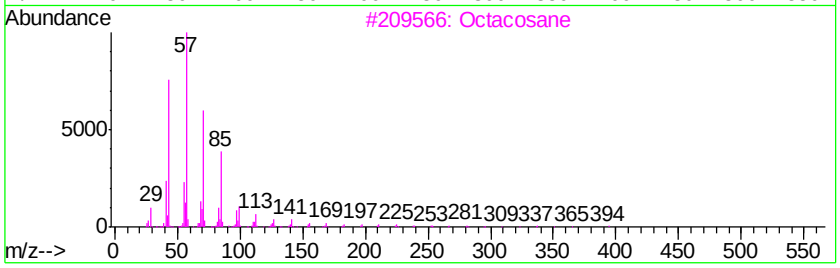
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.10 | 3.64 ng | 236936 | Chrysene-d12 | 21.06 |

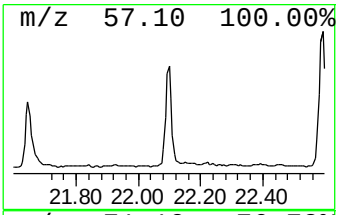
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptadecane, 9-hexyl- | 324 | C23H48 | 055124-79-3 | 94 |
| 2 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 3 | Octacosane | 394 | C28H58 | 000630-02-4 | 91 |
| 4 | Hexacosane | 366 | C26H54 | 000630-01-3 | 91 |
| 5 | Eicosane, 7-hexyl- | 366 | C26H54 | 055333-99-8 | 91 |

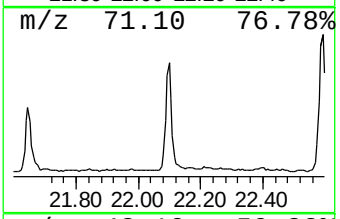


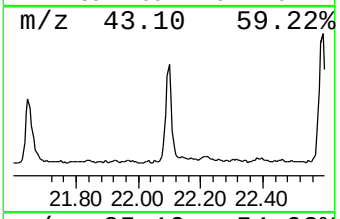



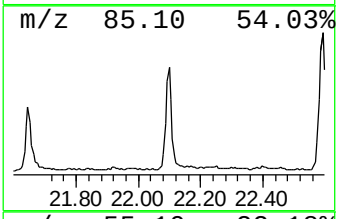



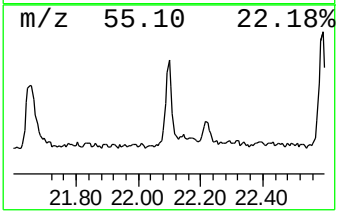



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP072420\
Data File : BP002855.D
Acq On : 24 Jul 2020 15:59
Operator : CG/JU
Sample : L3382-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** CTR-020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

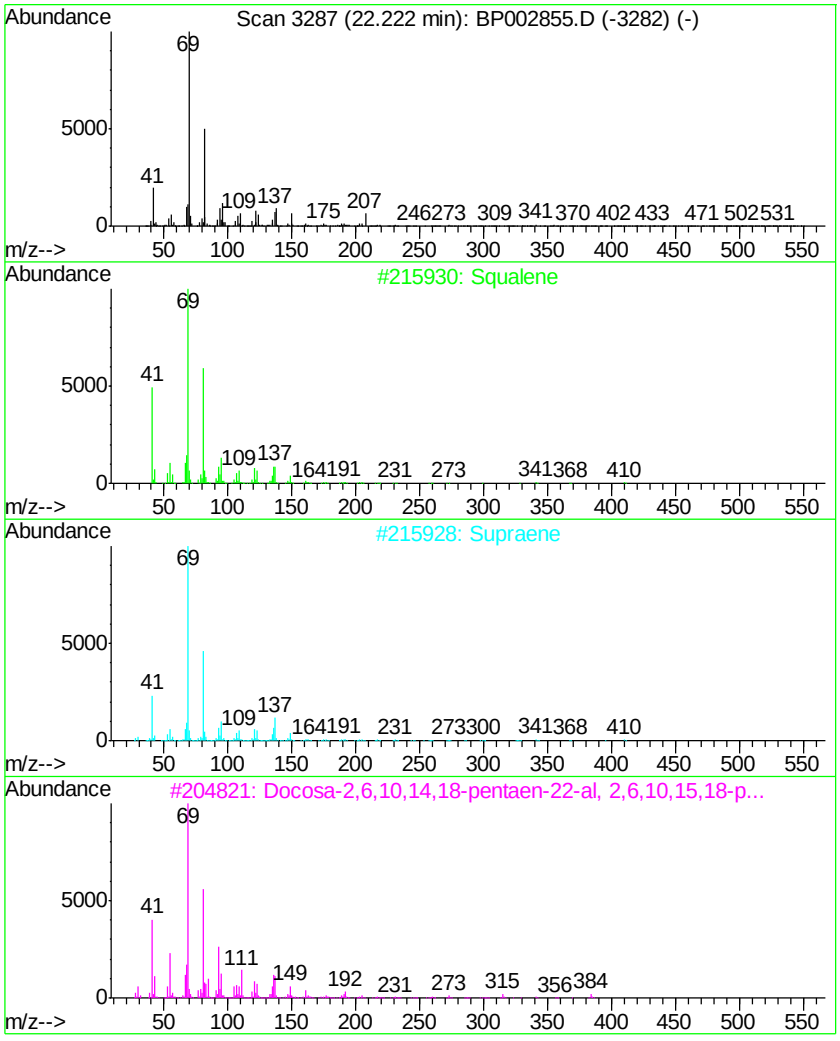
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

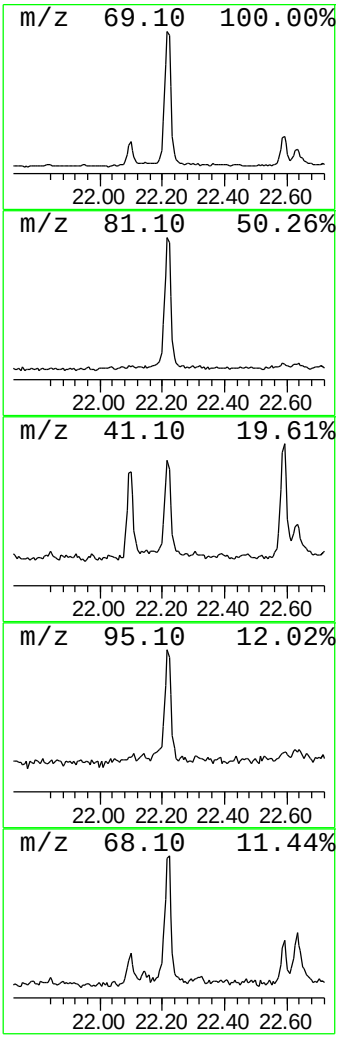
**********

Peak Number 4 Squalene Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.22 | 2.76 ng | 187735 | Perylene-d12 | 23.23 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Squalene | 410 | C30H50 | 000111-02-4 | 90 |
| 2 | Supraene | 410 | C30H50 | 007683-64-9 | 83 |
| 3 | Docosa-2,6,10,14,18-pentaen-22-a... | 384 | C27H44O | 1000163-04-7 | 78 |
| 4 | 7,11-Dimethyldodeca-2,6,10-trien... | 208 | C14H24O | 125529-10-4 | 64 |
| 5 | Propanoic acid, 2,2-dimethyl-, [... | 306 | C20H34O2 | 1000164-38-8 | 64 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP072420\
Data File : BP002855.D
Acq On : 24 Jul 2020 15:59
Operator : CG/JU
Sample : L3382-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** CTR-020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

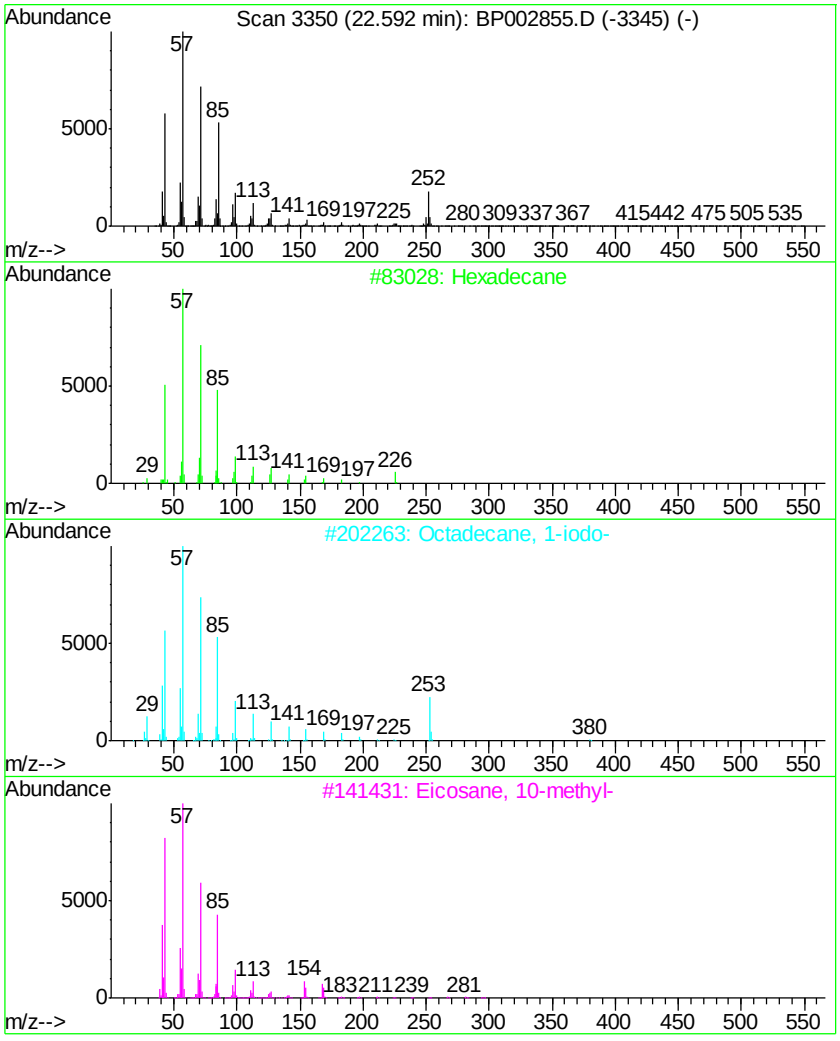
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

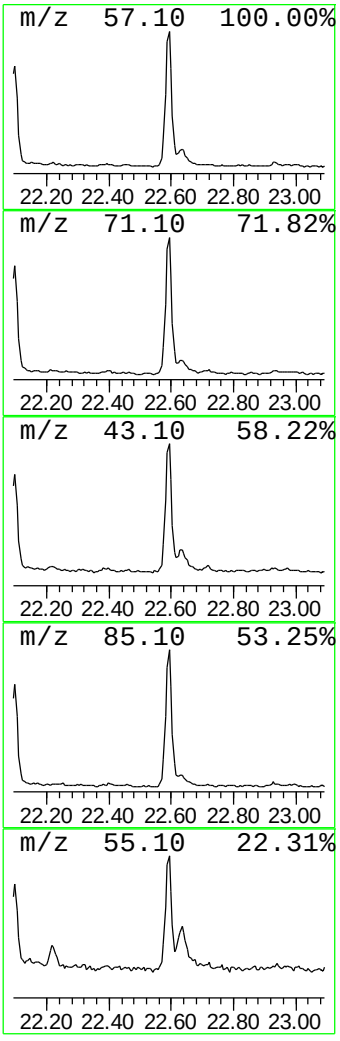
**********

Peak Number 5 Hexadecane Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.59 | 5.75 ng | 391820 | Perylene-d12 | 23.23 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane | 226 | C16H34 | 000544-76-3 | 95 |
| 2 | Octadecane, 1-iodo- | 380 | C18H37I | 000629-93-6 | 95 |
| 3 | Eicosane, 10-methyl- | 296 | C21H44 | 054833-23-7 | 91 |
| 4 | Pentadecane, 8-hexyl- | 296 | C21H44 | 013475-75-7 | 91 |
| 5 | Heptacosane | 380 | C27H56 | 000593-49-7 | 91 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP072420\
Data File : BP002855.D
Acq On : 24 Jul 2020 15:59
Operator : CG/JU
Sample : L3382-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** CTR-020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

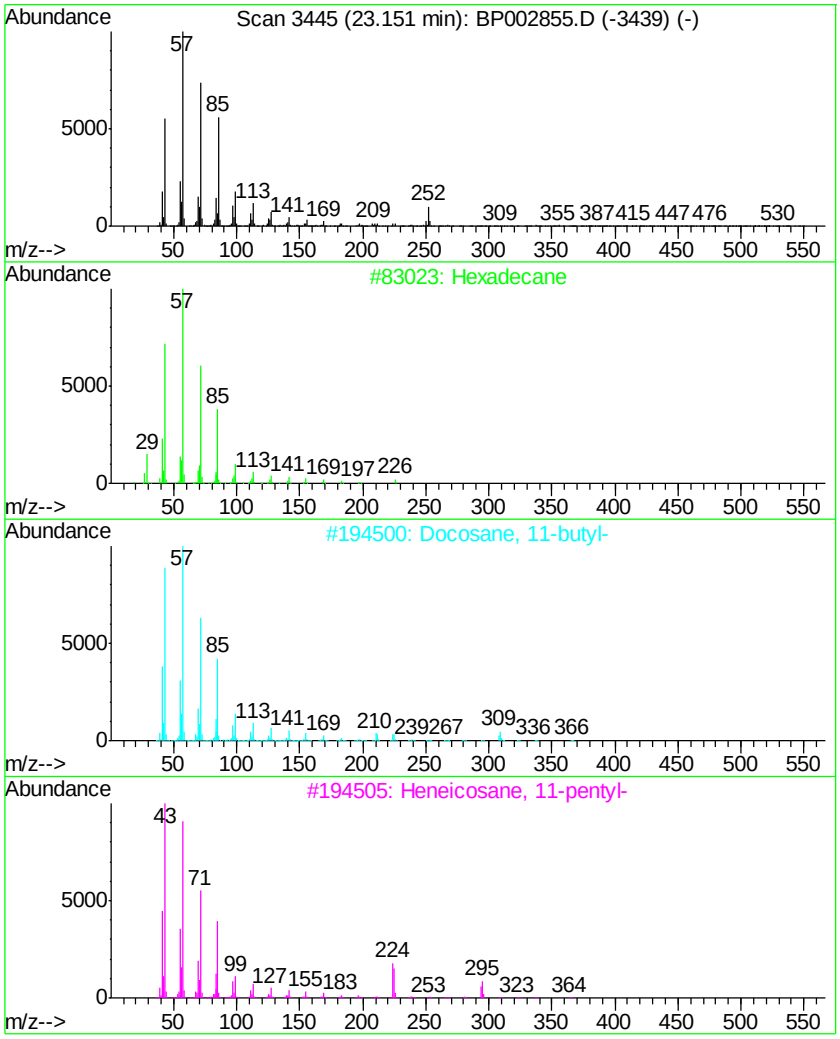
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

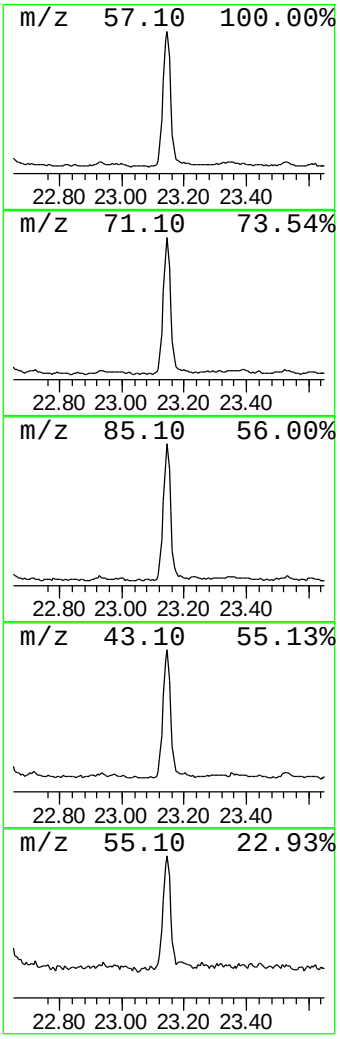
**********

Peak Number 6 Docosane, 11-butyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.15 | 5.70 ng | 388114 | Perylene-d12 | 23.23 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane | 226 | C16H34 | 000544-76-3 | 95 |
| 2 | Docosane, 11-butyl- | 366 | C26H54 | 013475-76-8 | 91 |
| 3 | Heneicosane, 11-pentyl- | 366 | C26H54 | 014739-72-1 | 91 |
| 4 | Hexacosane | 366 | C26H54 | 000630-01-3 | 90 |
| 5 | Octadecane, 5,14-dibutyl- | 366 | C26H54 | 055282-13-8 | 90 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP072420\
Data File : BP002855.D
Acq On : 24 Jul 2020 15:59
Operator : CG/JU
Sample : L3382-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** CTR-020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

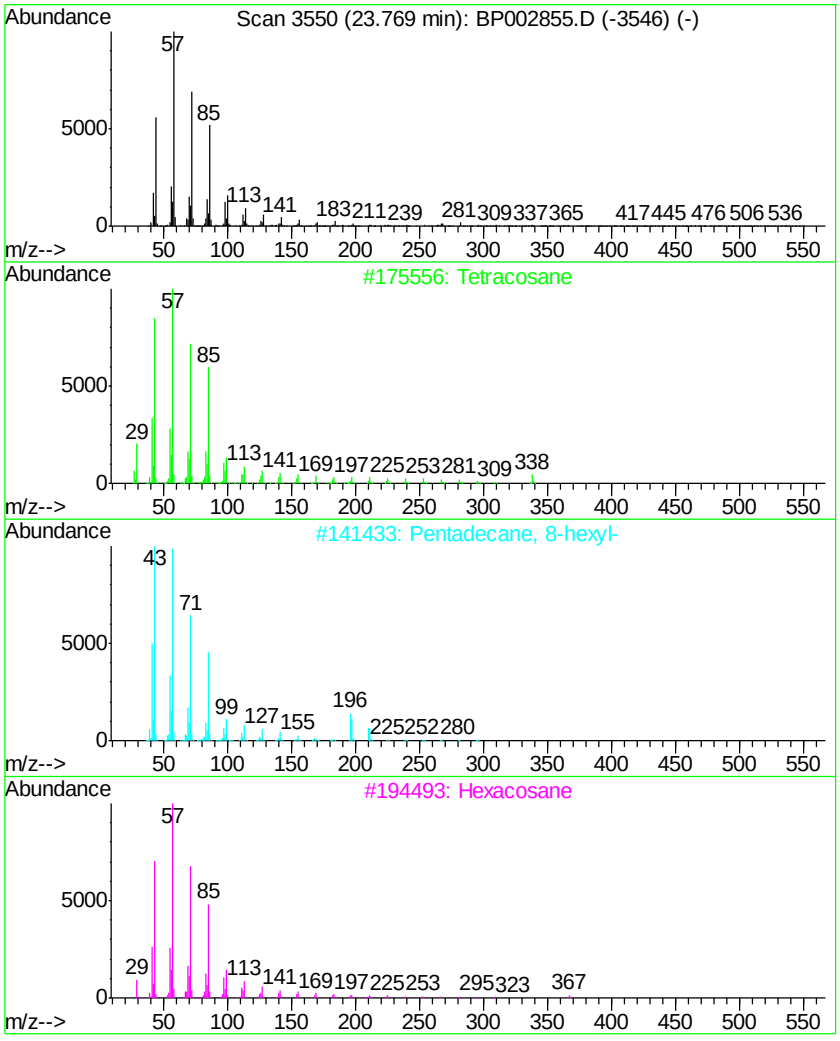
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

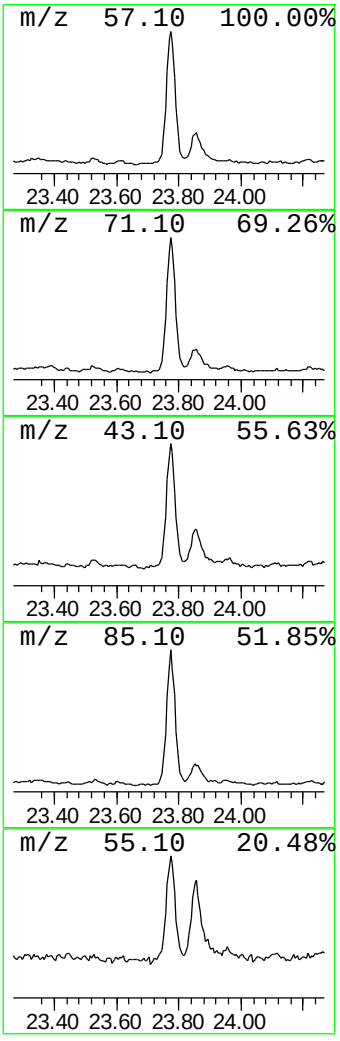
**********

Peak Number 7 Tetracosane Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.77 | 4.69 ng | 319135 | Perylene-d12 | 23.23 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetracosane | 338 | C24H50 | 000646-31-1 | 95 |
| 2 | Pentadecane, 8-hexyl- | 296 | C21H44 | 013475-75-7 | 94 |
| 3 | Hexacosane | 366 | C26H54 | 000630-01-3 | 91 |
| 4 | Octacosane | 394 | C28H58 | 000630-02-4 | 91 |
| 5 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP072420\
Data File : BP002855.D
Acq On : 24 Jul 2020 15:59
Operator : CG/JU
Sample : L3382-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** CTR-020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

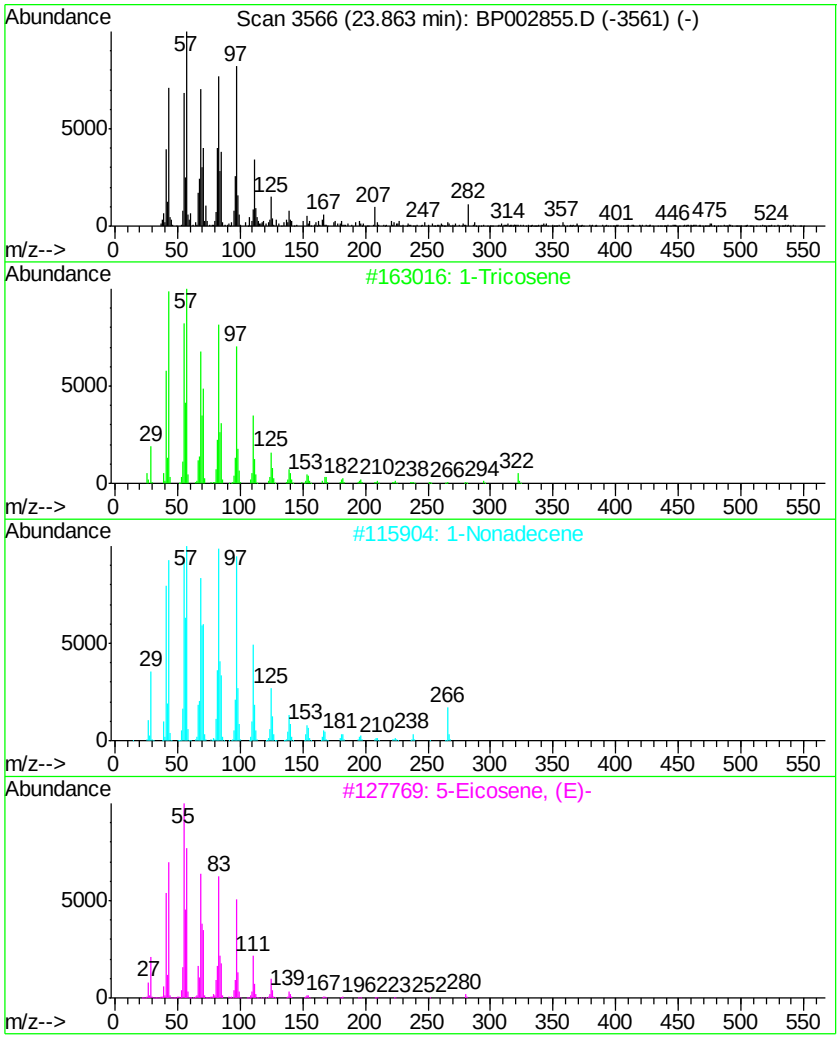
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

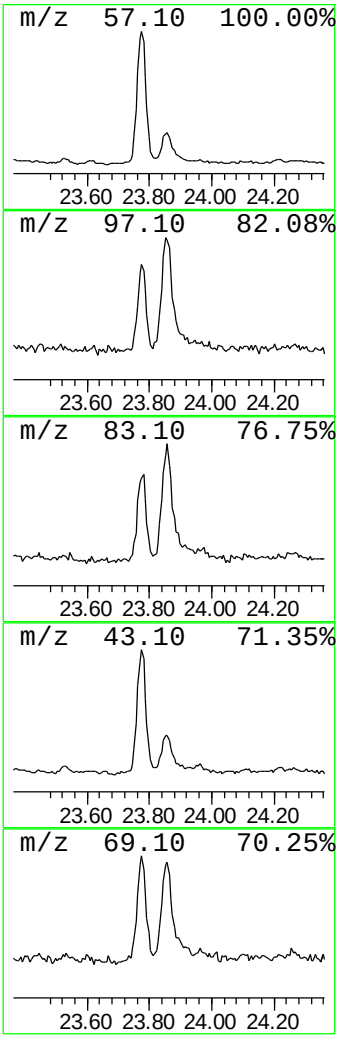
**********

Peak Number 8 1-Tricosene Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.86 | 2.07 ng | 141195 | Perylene-d12 | 23.23 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Tricosene | 322 | C23H46 | 018835-32-0 | 91 |
| 2 | 1-Nonadecene | 266 | C19H38 | 018435-45-5 | 91 |
| 3 | 5-Eicosene, (E)- | 280 | C20H40 | 074685-30-6 | 91 |
| 4 | 1-Hexacosanol | 382 | C26H54O | 000506-52-5 | 91 |
| 5 | 1-Heptacosanol | 396 | C27H56O | 002004-39-9 | 90 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP072420\
Data File : BP002855.D
Acq On : 24 Jul 2020 15:59
Operator : CG/JU
Sample : L3382-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** CTR-020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

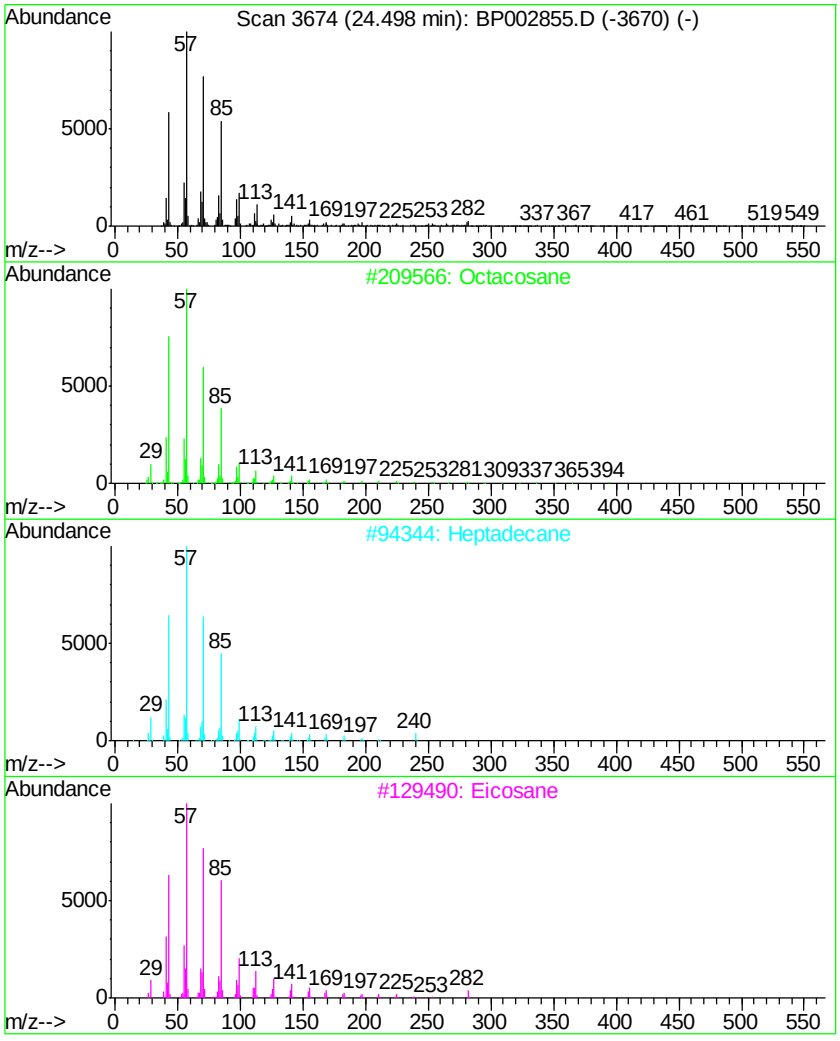
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

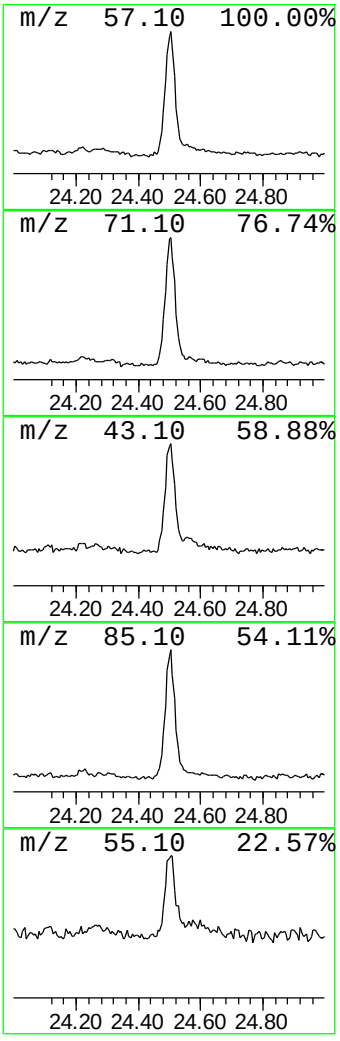
**********

Peak Number 9 Octacosane Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 24.50 | 2.13 ng | 144960 | Perylene-d12 | 23.23 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octacosane | 394 | C28H58 | 000630-02-4 | 93 |
| 2 | Heptadecane | 240 | C17H36 | 000629-78-7 | 93 |
| 3 | Eicosane | 282 | C20H42 | 000112-95-8 | 93 |
| 4 | Hexacosane | 366 | C26H54 | 000630-01-3 | 91 |
| 5 | 2-methyloctacosane | 408 | C29H60 | 1000376-72-8 | 91 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP072420\
Data File : BP002855.D
Acq On : 24 Jul 2020 15:59
Operator : CG/JU
Sample : L3382-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** CTR-020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.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 |
| Cyclohexadecane | 20.79 | 9.0 | ng | 587938 | 5 | 21.06 | 1302690 | 20.0 |
| Eicosane | 21.65 | 4.3 | ng | 277221 | 5 | 21.06 | 1302690 | 20.0 |
| Heptadecane, 9-he... | 22.10 | 3.6 | ng | 236936 | 5 | 21.06 | 1302690 | 20.0 |
| Squalene | 22.22 | 2.8 | ng | 187735 | 6 | 23.23 | 1362250 | 20.0 |
| Hexadecane | 22.59 | 5.8 | ng | 391820 | 6 | 23.23 | 1362250 | 20.0 |
| Docosane, 11-butyl- | 23.15 | 5.7 | ng | 388114 | 6 | 23.23 | 1362250 | 20.0 |
| Tetracosane | 23.77 | 4.7 | ng | 319135 | 6 | 23.23 | 1362250 | 20.0 |
| 1-Tricosene | 23.86 | 2.1 | ng | 141195 | 6 | 23.23 | 1362250 | 20.0 |
| Octacosane | 24.50 | 2.1 | ng | 144960 | 6 | 23.23 | 1362250 | 20.0 |