LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042519\
Data File : BF113983.D
Acq On : 25 Apr 2019 17:50
Operator : JU/SJ
Sample : K2555-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** HW-7

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-BF042219.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 | 2.152 | 6 | 11 | 17 | rVB | 162515 | 206088 | 4.65% | 0.812% |
| 2 | 5.510 | 578 | 582 | 599 | rBV | 1093559 | 1038810 | 23.42% | 4.092% |
| 3 | 6.516 | 749 | 753 | 765 | rBV | 662715 | 659714 | 14.88% | 2.599% |
| 4 | 6.663 | 774 | 778 | 781 | rBV | 2338282 | 2031697 | 45.81% | 8.003% |
| 5 | 6.893 | 814 | 817 | 821 | rBV | 675937 | 560768 | 12.64% | 2.209% |
| 6 | 7.051 | 840 | 844 | 848 | rBV | 2368110 | 2047287 | 46.16% | 8.065% |
| 7 | 7.451 | 907 | 912 | 915 | rBV | 1698553 | 1622628 | 36.59% | 6.392% |
| 8 | 8.175 | 1032 | 1035 | 1050 | rBV | 767532 | 719379 | 16.22% | 2.834% |
| 9 | 9.251 | 1214 | 1218 | 1221 | rBV | 3859548 | 3326422 | 75.01% | 13.103% |
| 10 | 9.934 | 1330 | 1334 | 1348 | rVB | 921962 | 905199 | 20.41% | 3.566% |
| 11 | 10.716 | 1463 | 1467 | 1482 | rBV | 2083020 | 2314845 | 52.20% | 9.119% |
| 12 | 11.416 | 1582 | 1586 | 1594 | rBV | 1164138 | 1020537 | 23.01% | 4.020% |
| 13 | 11.939 | 1671 | 1675 | 1685 | rBV2 | 185784 | 198352 | 4.47% | 0.781% |
| 14 | 12.722 | 1805 | 1808 | 1818 | rBV2 | 97407 | 111529 | 2.51% | 0.439% |
| 15 | 13.004 | 1851 | 1856 | 1859 | rBV | 4299768 | 4434890 | 100.00% | 17.470% |
| 16 | 14.051 | 2024 | 2034 | 2052 | rBV | 1214035 | 1310385 | 29.55% | 5.162% |
| 17 | 14.221 | 2059 | 2063 | 2067 | rVB | 82158 | 75298 | 1.70% | 0.297% |
| 18 | 14.527 | 2110 | 2115 | 2119 | rBV | 157422 | 164314 | 3.71% | 0.647% |
| 19 | 14.845 | 2164 | 2169 | 2173 | rBV | 248380 | 259424 | 5.85% | 1.022% |
| 20 | 15.186 | 2223 | 2227 | 2234 | rVB | 301263 | 328650 | 7.41% | 1.295% |
| 21 | 15.545 | 2282 | 2288 | 2291 | rBV | 824701 | 1104543 | 24.91% | 4.351% |
| 22 | 15.574 | 2291 | 2293 | 2301 | rVB | 298445 | 354182 | 7.99% | 1.395% |
| 23 | 16.021 | 2363 | 2369 | 2376 | rBV | 209777 | 316438 | 7.14% | 1.246% |
| 24 | 16.533 | 2451 | 2456 | 2463 | rVB | 109442 | 189271 | 4.27% | 0.746% |
| 25 | 17.145 | 2554 | 2560 | 2569 | rVB2 | 40662 | 85496 | 1.93% | 0.337% |

Sum of corrected areas: 25386146

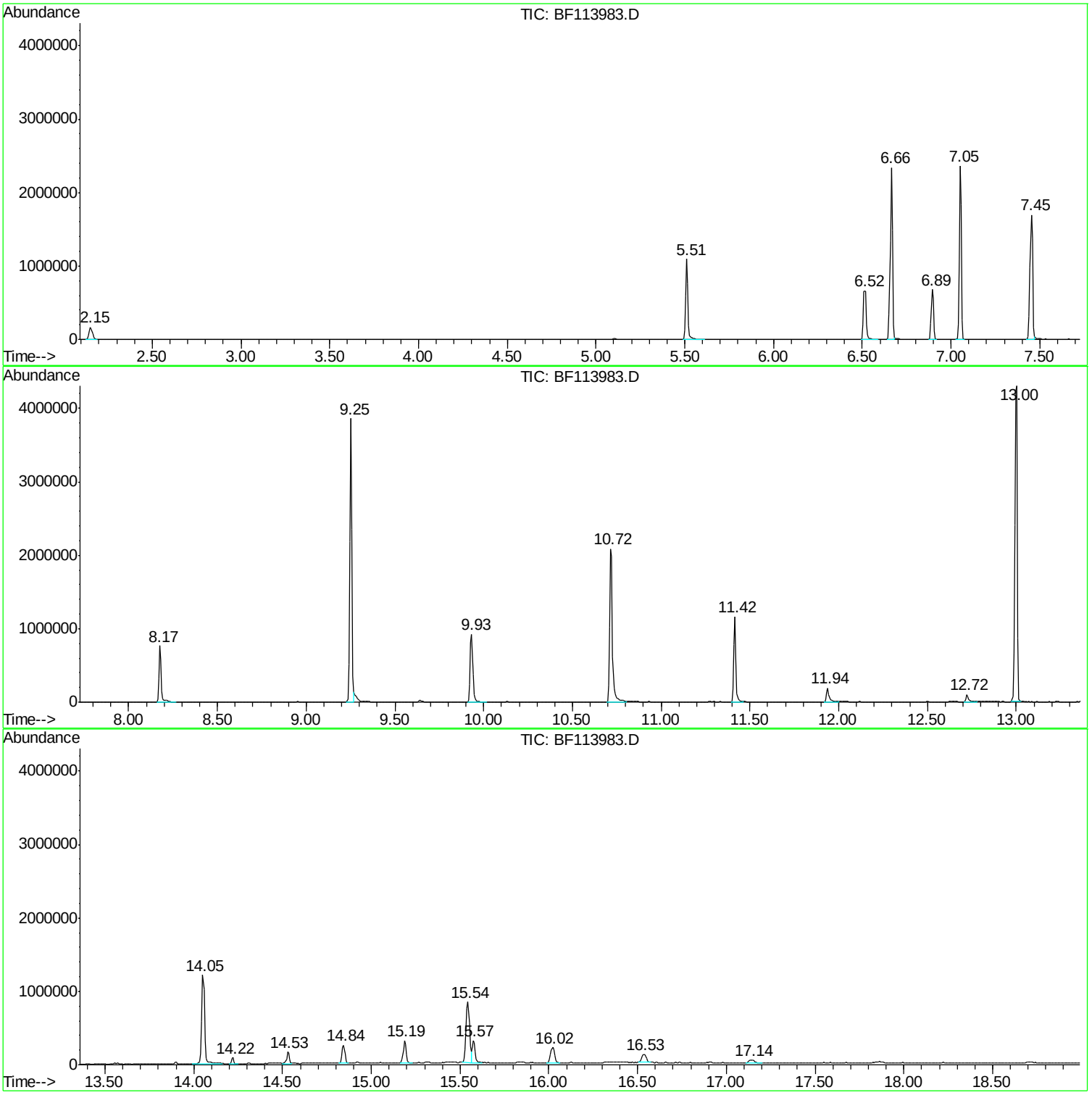
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042519\
Data File : BF113983.D
Acq On : 25 Apr 2019 17:50
Operator : JU/SJ
Sample : K2555-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** HW-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.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\BF042519\
Data File : BF113983.D
Acq On : 25 Apr 2019 17:50
Operator : JU/SJ
Sample : K2555-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** HW-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

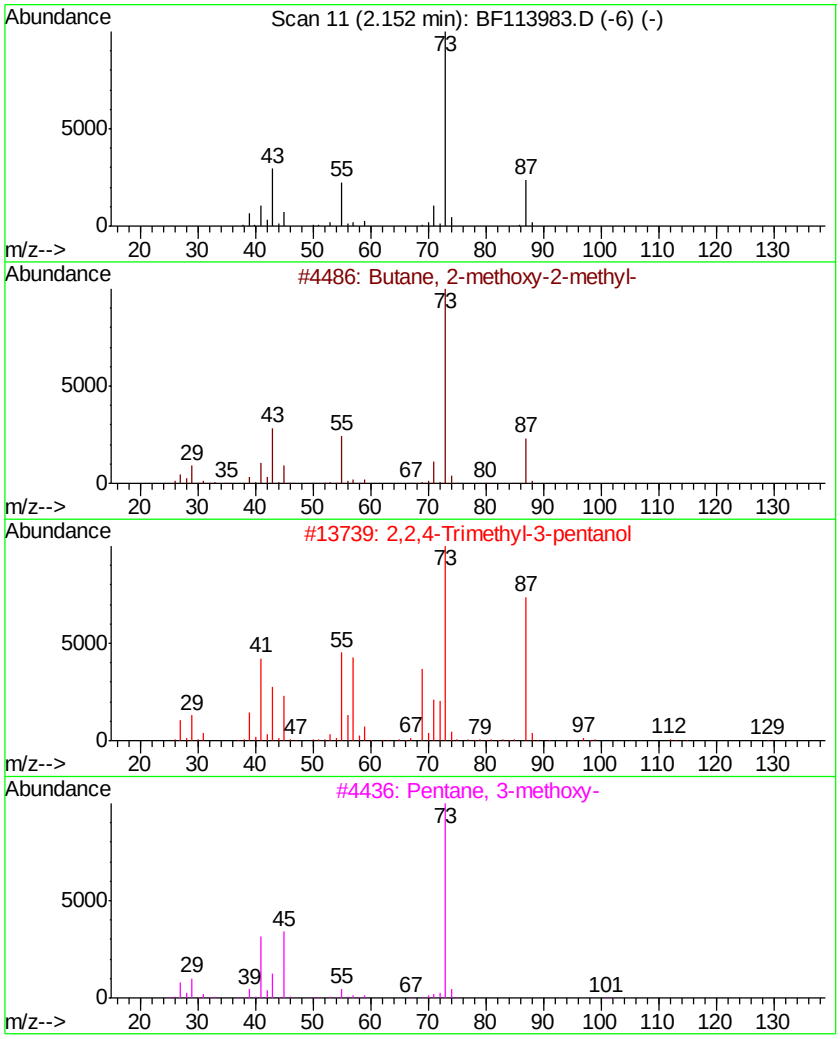
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

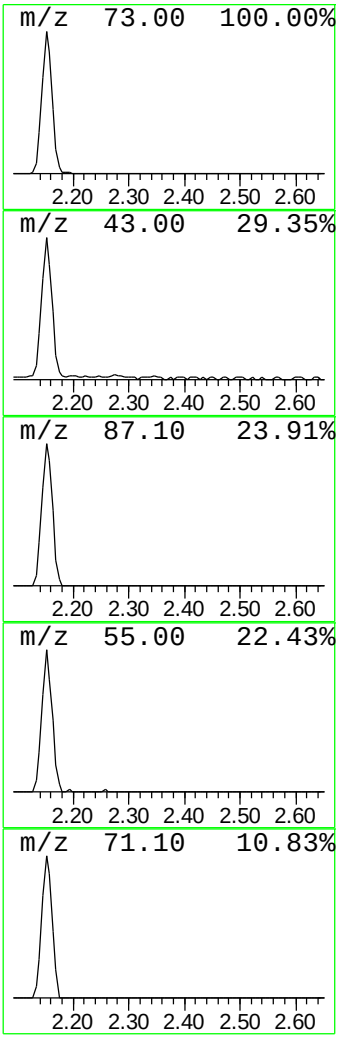
**********

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.15 | 7.35 ng | 206088 | 1,4-Dichlorobenzene-d4 | 6.89 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 83 |
| 2 | 2,2,4-Trimethyl-3-pentanol | 130 | C8H18O | 005162-48-1 | 40 |
| 3 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 17 |
| 4 | 3-Hexanol, 2-methyl- | 116 | C7H16O | 000617-29-8 | 17 |
| 5 | N-Ethylformamide | 73 | C3H7NO | 000627-45-2 | 9 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042519\
Data File : BF113983.D
Acq On : 25 Apr 2019 17:50
Operator : JU/SJ
Sample : K2555-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** HW-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

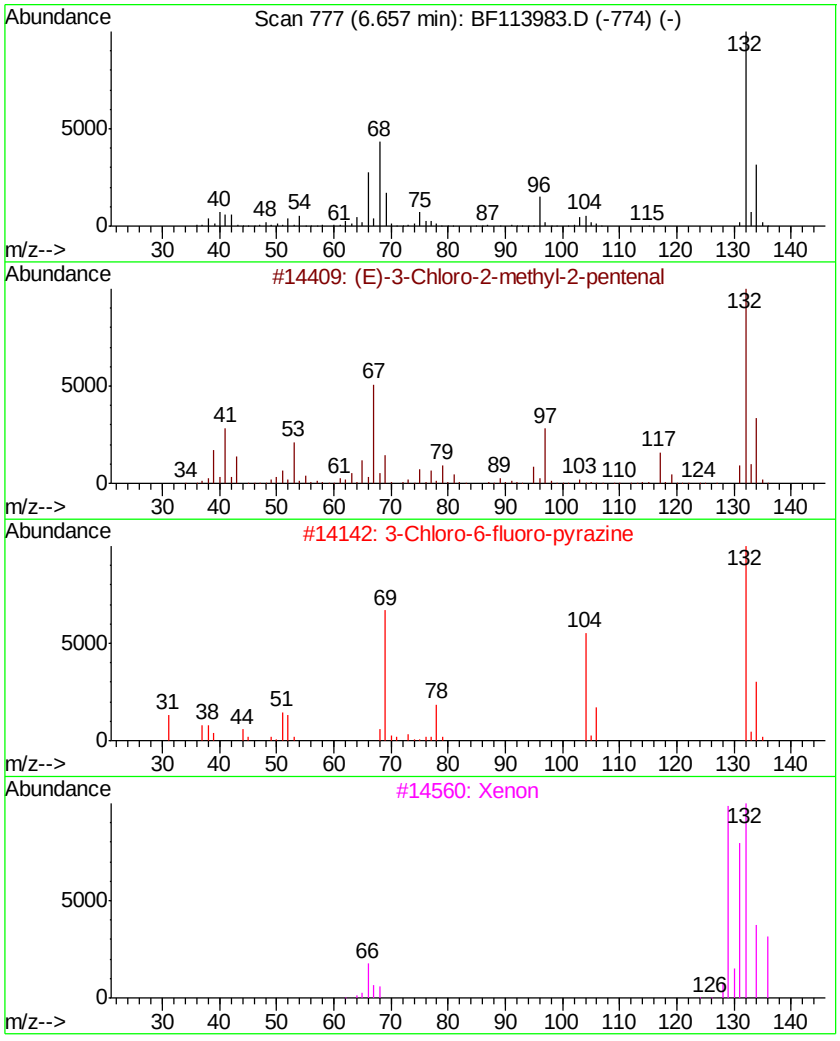
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

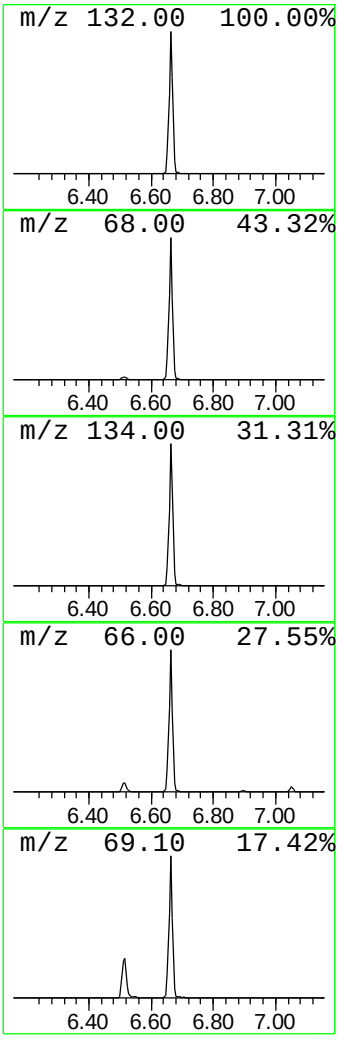
**********

Peak Number 2 unknown6.66 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.66 | 72.46 ng | 2031700 | 1,4-Dichlorobenzene-d4 | 6.89 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 16 |
| 2 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 16 |
| 3 | Xenon | 132 | Xe | 007440-63-3 | 9 |
| 4 | 4-Chloro-6-fluoro-pyrimidine | 132 | C4H2ClFN2 | 051422-01-6 | 9 |
| 5 | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2 | 022291-85-6 | 9 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042519\
Data File : BF113983.D
Acq On : 25 Apr 2019 17:50
Operator : JU/SJ
Sample : K2555-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** HW-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

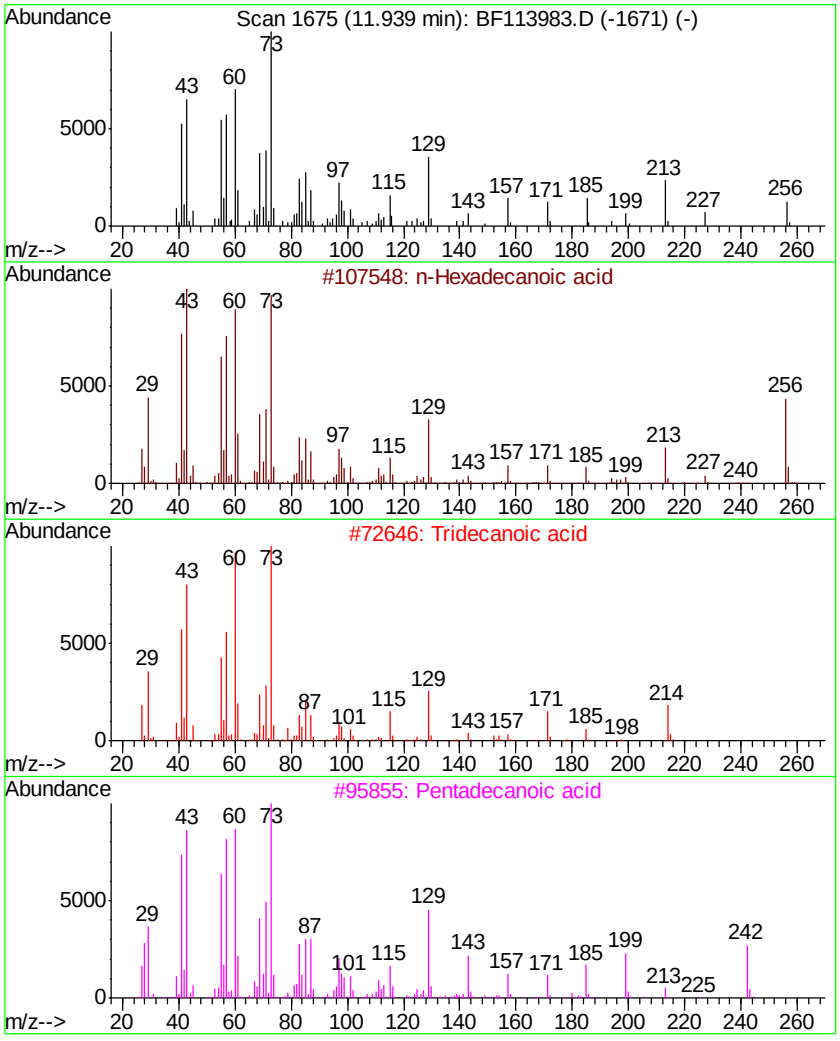
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

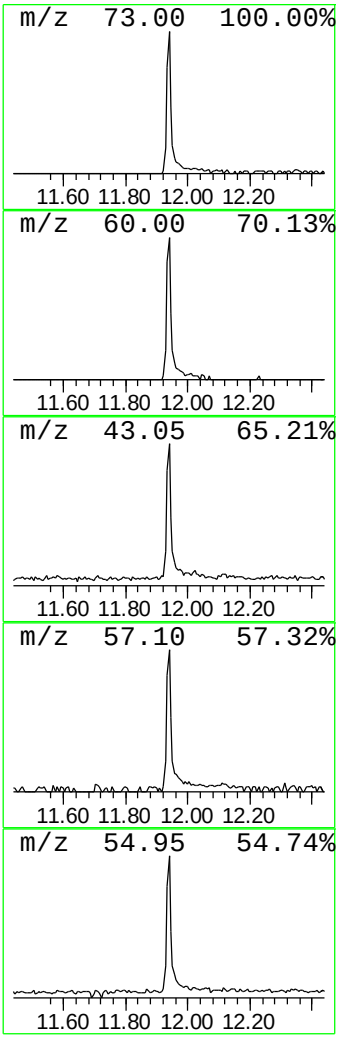
**********

Peak Number 4 n-Hexadecanoic acid Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.94 | 3.89 ng | 198352 | Phenanthrene-d10 | 11.42 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 98 |
| 2 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 86 |
| 3 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 58 |
| 4 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 43 |
| 5 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 30 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042519\
Data File : BF113983.D
Acq On : 25 Apr 2019 17:50
Operator : JU/SJ
Sample : K2555-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** HW-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

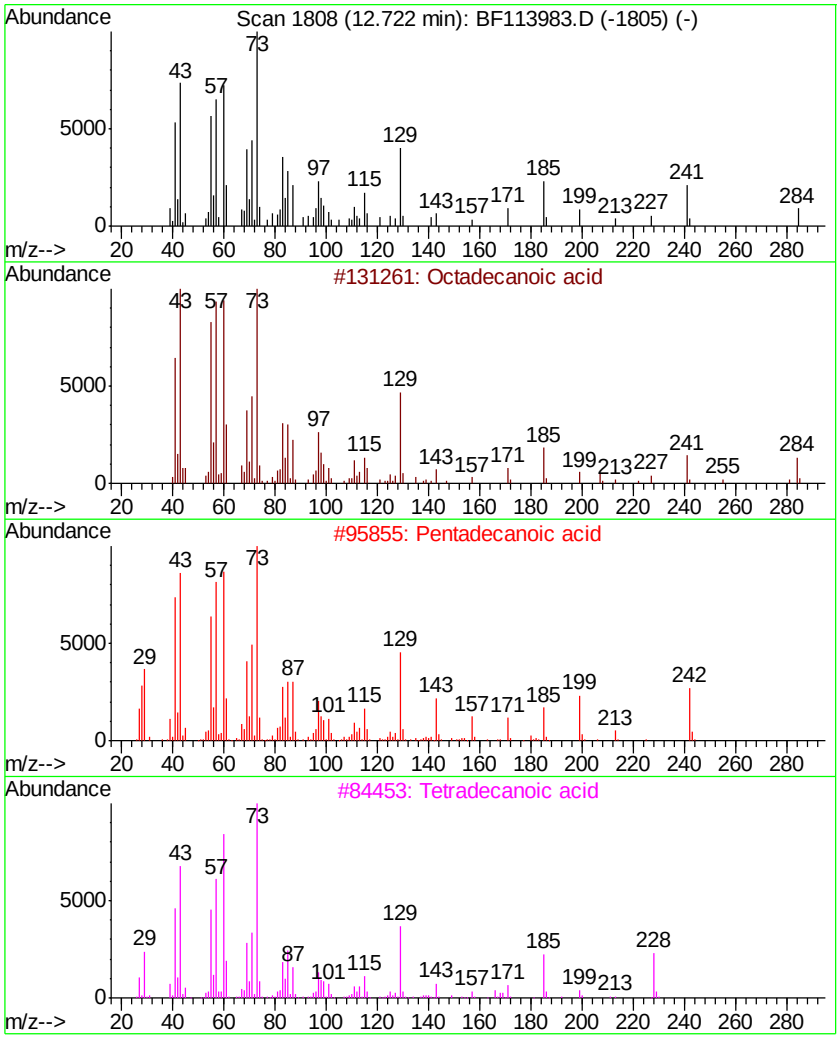
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

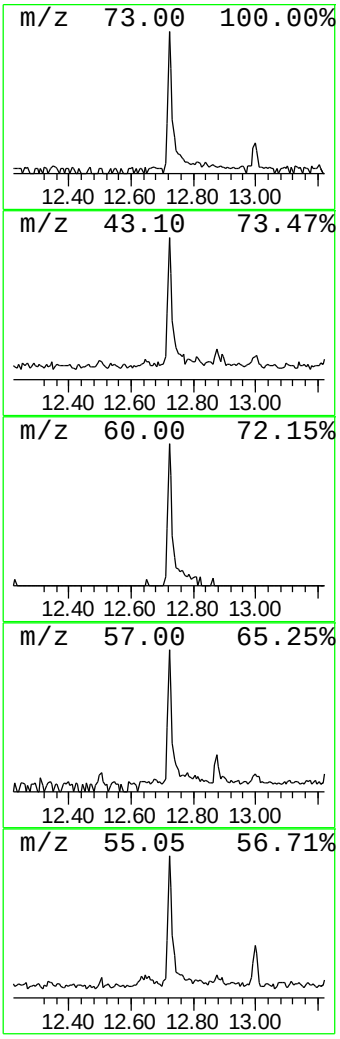
**********

Peak Number 5 Octadecanoic acid Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.72 | 2.19 ng | 111529 | Phenanthrene-d10 | 11.42 |

| 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 | 86 |
| 3 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 58 |
| 4 | Oxalic acid, propyl tetradecyl e... | 328 | C19H36O4 | 1000309-26-7 | 38 |
| 5 | Oxalic acid, allyl octadecyl ester | 382 | C23H42O4 | 1000309-24-5 | 20 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042519\
Data File : BF113983.D
Acq On : 25 Apr 2019 17:50
Operator : JU/SJ
Sample : K2555-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** HW-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

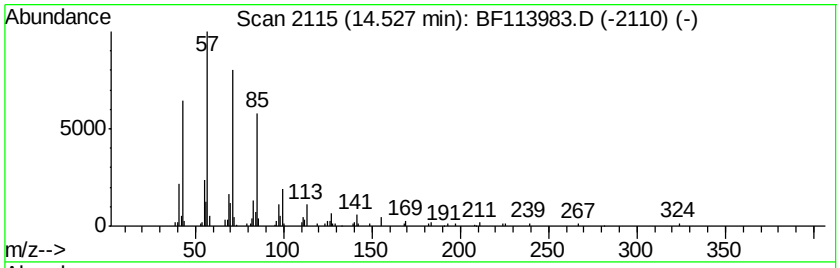
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

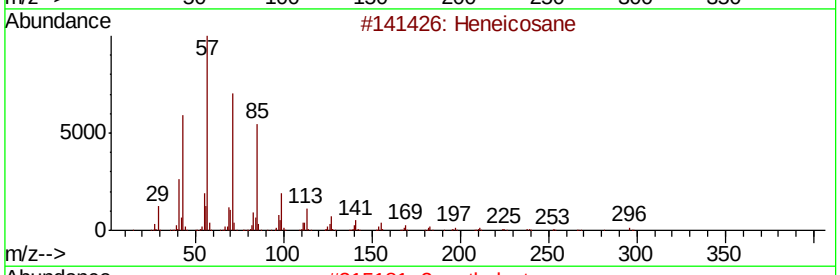
**********

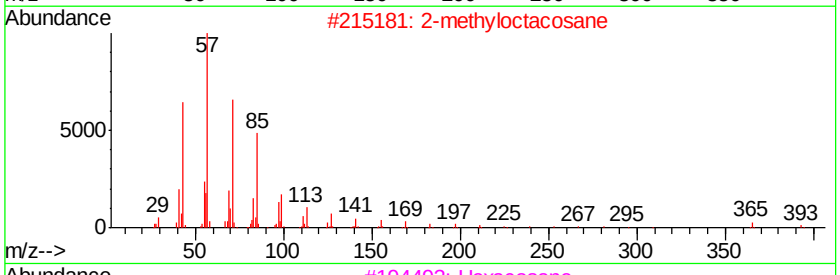
Peak Number 6 Heneicosane Concentration Rank 9

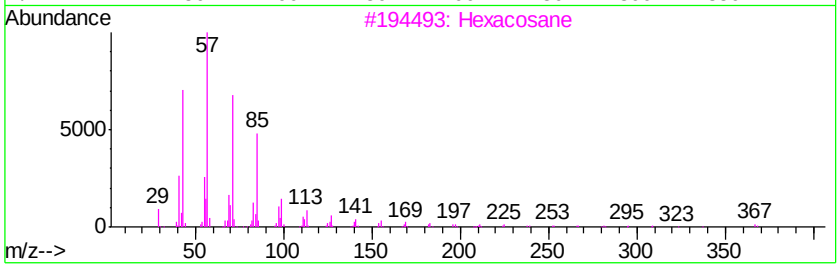
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.53 | 2.51 ng | 164314 | Chrysene-d12 | 14.05 |

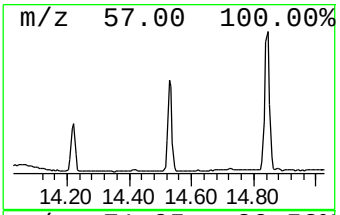
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 2 | 2-methyloctacosane | 408 | C29H60 | 1000376-72-8 | 91 |
| 3 | Hexacosane | 366 | C26H54 | 000630-01-3 | 90 |
| 4 | Hexadecane, 1-iodo- | 352 | C16H33I | 000544-77-4 | 90 |
| 5 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 87 |

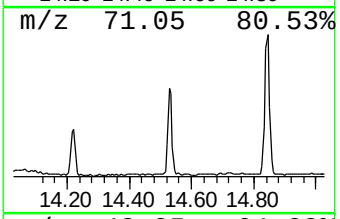


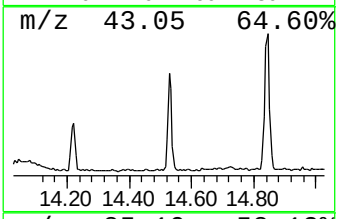



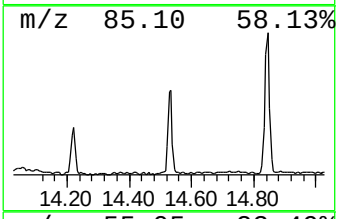



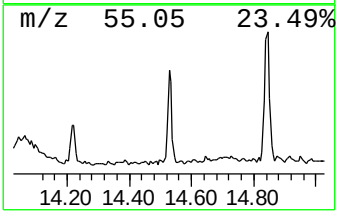



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042519\
Data File : BF113983.D
Acq On : 25 Apr 2019 17:50
Operator : JU/SJ
Sample : K2555-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** HW-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

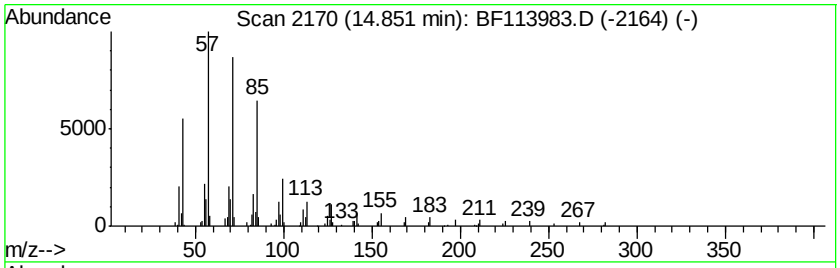
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

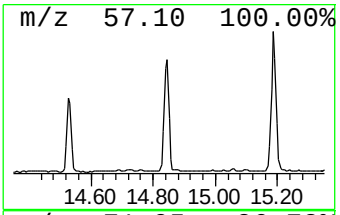
**********

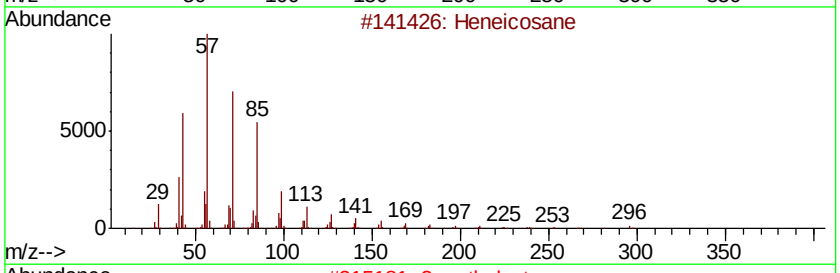
Peak Number 7 2-methyloctacosane Concentration Rank 6

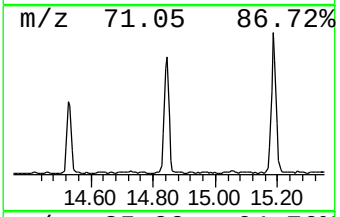
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.85 | 4.70 ng | 259424 | Perylene-d12 | 15.54 |

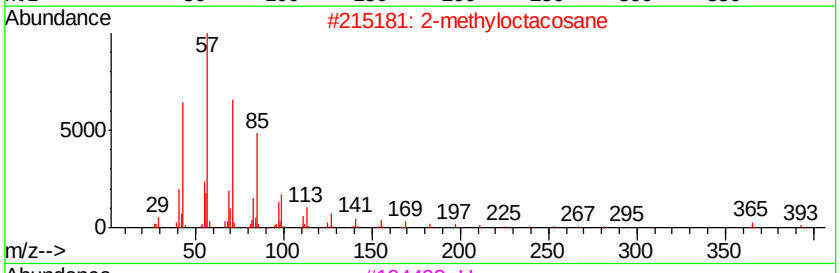
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 2 | 2-methyloctacosane | 408 | C29H60 | 1000376-72-8 | 91 |
| 3 | Hexacosane | 366 | C26H54 | 000630-01-3 | 90 |
| 4 | Eicosane | 282 | C20H42 | 000112-95-8 | 90 |
| 5 | Octacosane | 394 | C28H58 | 000630-02-4 | 87 |

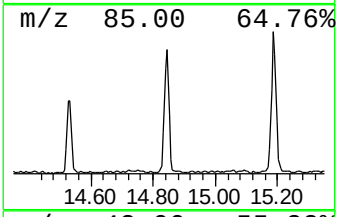


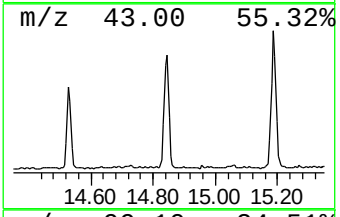



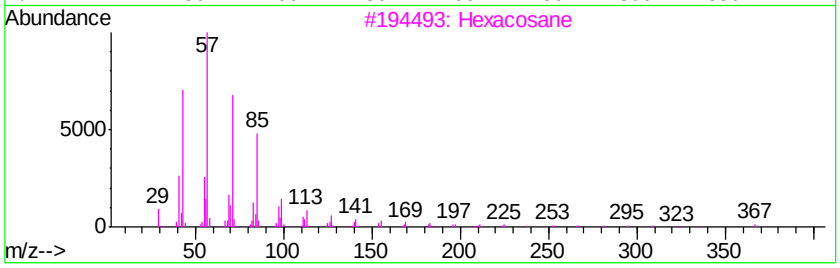



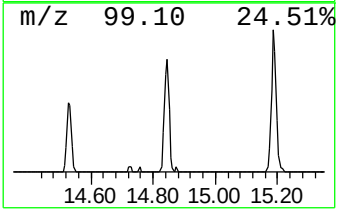



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042519\
Data File : BF113983.D
Acq On : 25 Apr 2019 17:50
Operator : JU/SJ
Sample : K2555-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** HW-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

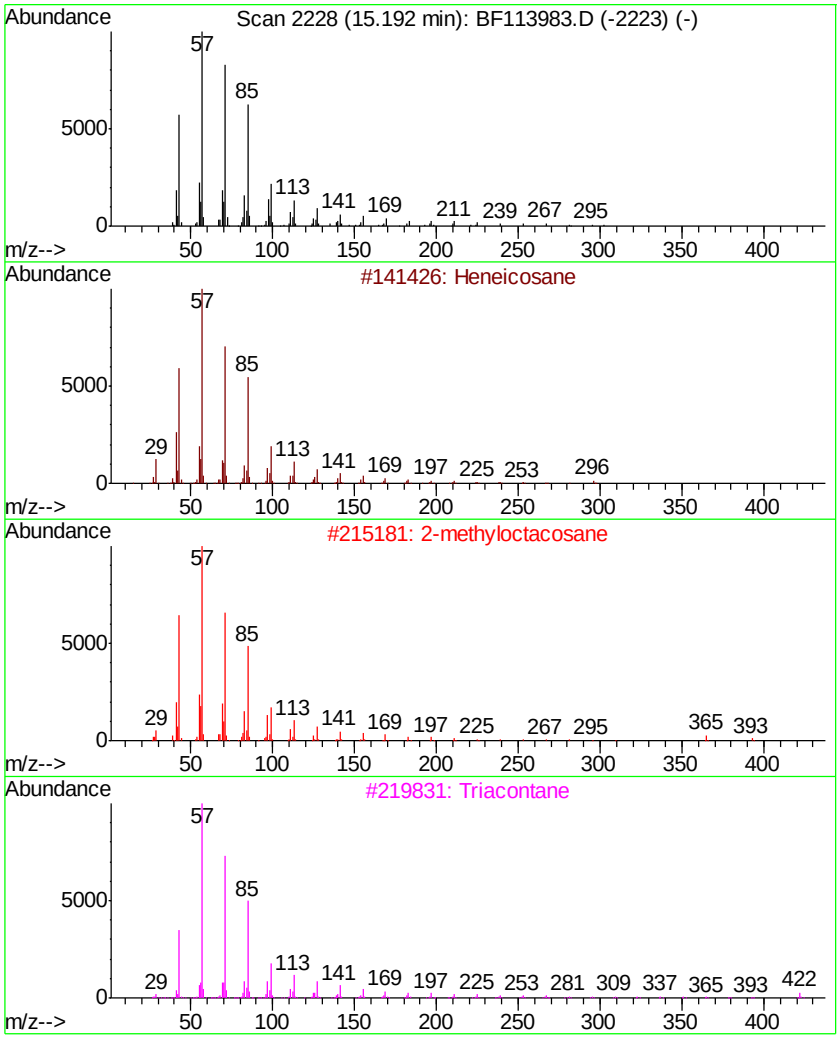
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

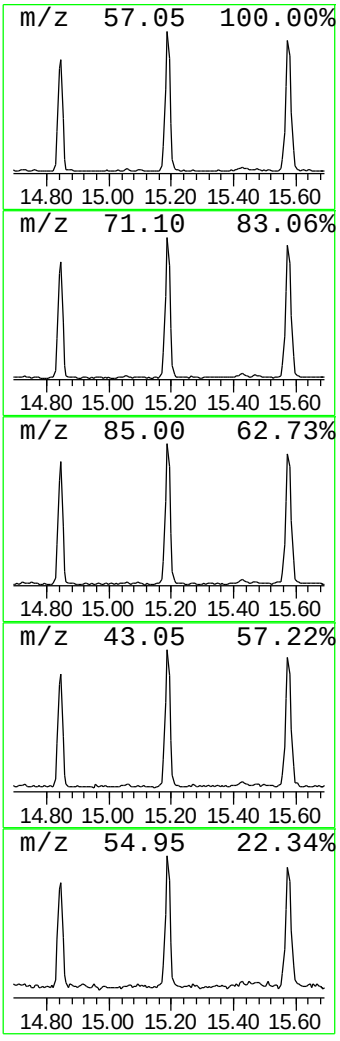
**********

Peak Number 8 Triacontane Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.19 | 5.95 ng | 328650 | Perylene-d12 | 15.54 |

| 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 | Triacontane | 422 | C30H62 | 000638-68-6 | 91 |
| 4 | Octacosane | 394 | C28H58 | 000630-02-4 | 90 |
| 5 | Eicosane, 7-hexyl- | 366 | C26H54 | 055333-99-8 | 90 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042519\
Data File : BF113983.D
Acq On : 25 Apr 2019 17:50
Operator : JU/SJ
Sample : K2555-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** HW-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

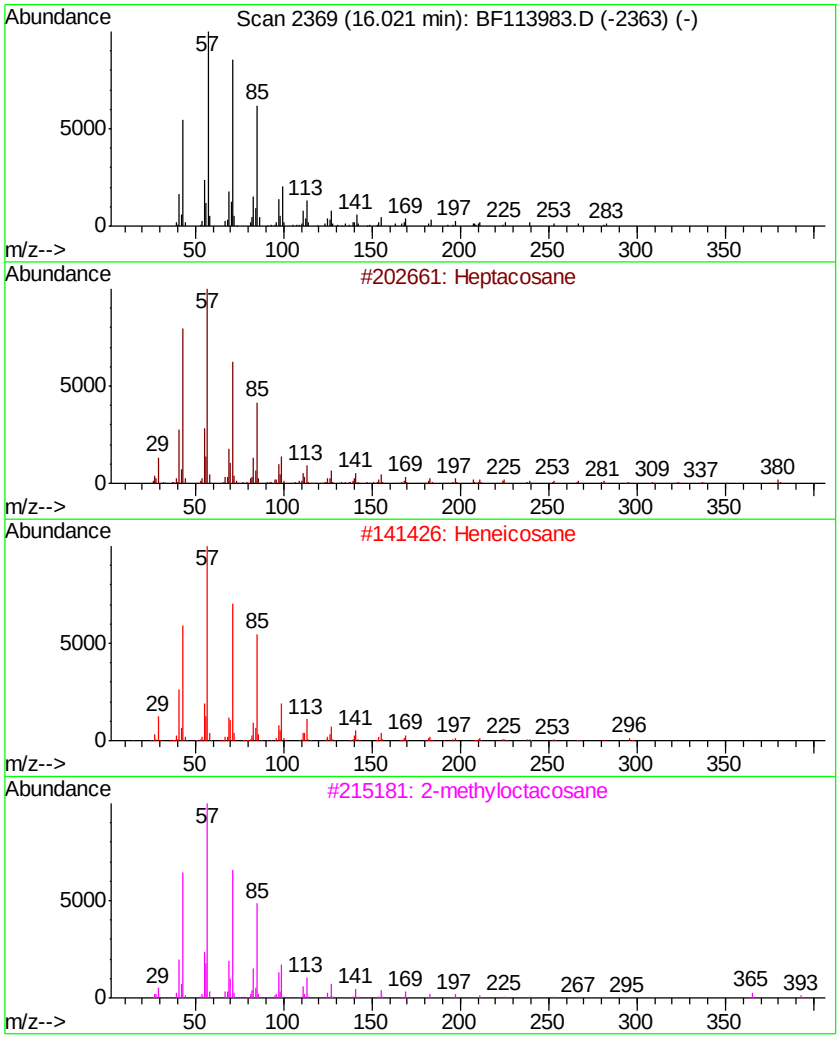
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

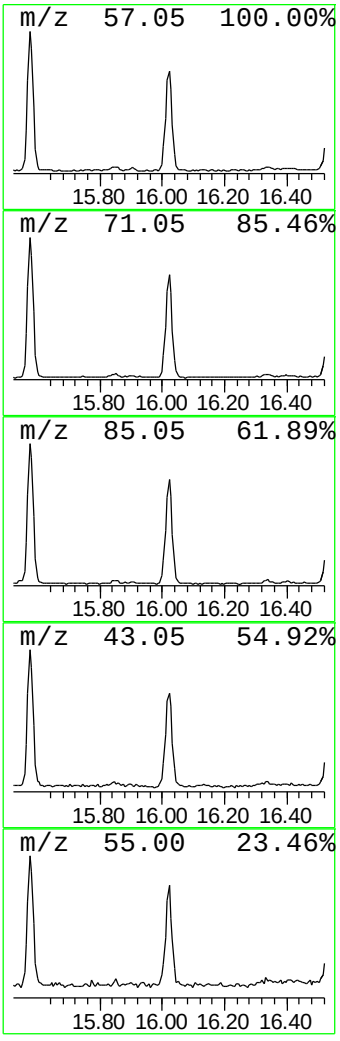
**********

Peak Number 9 Heptacosane Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.02 | 5.73 ng | 316438 | Perylene-d12 | 15.54 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptacosane | 380 | C27H56 | 000593-49-7 | 91 |
| 2 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 3 | 2-methyloctacosane | 408 | C29H60 | 1000376-72-8 | 91 |
| 4 | Hexacosane | 366 | C26H54 | 000630-01-3 | 91 |
| 5 | Triacontane | 422 | C30H62 | 000638-68-6 | 91 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042519\
Data File : BF113983.D
Acq On : 25 Apr 2019 17:50
Operator : JU/SJ
Sample : K2555-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** HW-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

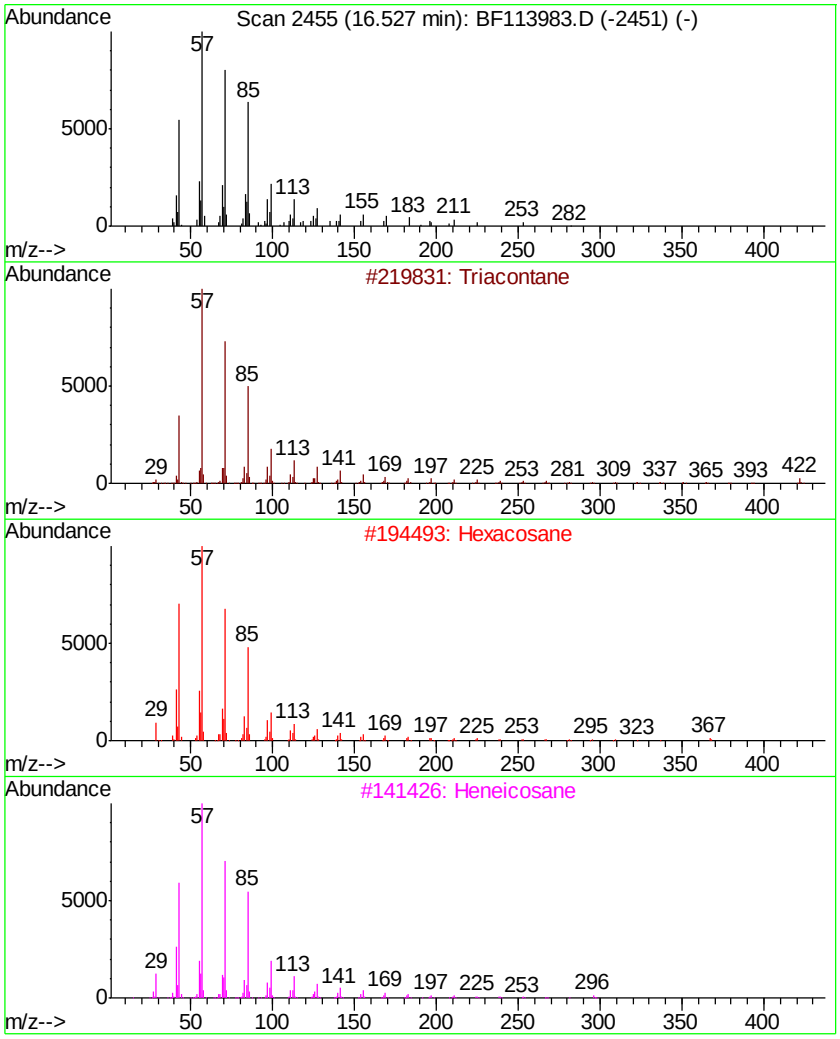
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

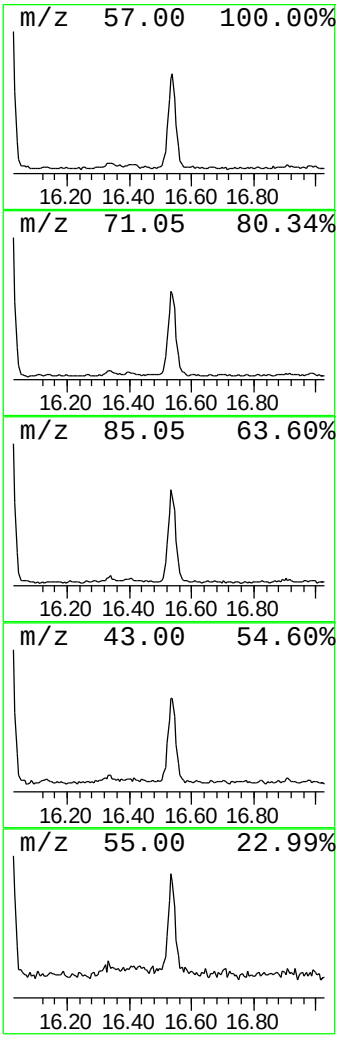
**********

Peak Number 10 Heptadecane, 9-octyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.53 | 3.43 ng | 189271 | Perylene-d12 | 15.54 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Triacontane | 422 | C30H62 | 000638-68-6 | 91 |
| 2 | Hexacosane | 366 | C26H54 | 000630-01-3 | 91 |
| 3 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 4 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 91 |
| 5 | Hexadecane, 1-iodo- | 352 | C16H33I | 000544-77-4 | 91 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042519\
Data File : BF113983.D
Acq On : 25 Apr 2019 17:50
Operator : JU/SJ
Sample : K2555-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** HW-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.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 |
| Butane, 2-methoxy... | 2.15 | 7.3 | ng | 206088 | 1 | 6.89 | 560768 | 20.0 |
| unknown6.66 | 6.66 | 72.5 | ng | 2031700 | 1 | 6.89 | 560768 | 20.0 |
| n-Hexadecanoic acid | 11.94 | 3.9 | ng | 198352 | 4 | 11.42 | 1020540 | 20.0 |
| Octadecanoic acid | 12.72 | 2.2 | ng | 111529 | 4 | 11.42 | 1020540 | 20.0 |
| Heneicosane | 14.53 | 2.5 | ng | 164314 | 5 | 14.05 | 1310390 | 20.0 |
| 2-methyloctacosane | 14.85 | 4.7 | ng | 259424 | 6 | 15.54 | 1104540 | 20.0 |
| Triacontane | 15.19 | 6.0 | ng | 328650 | 6 | 15.54 | 1104540 | 20.0 |
| Heptacosane | 16.02 | 5.7 | ng | 316438 | 6 | 15.54 | 1104540 | 20.0 |
| Heptadecane, 9-oc... | 16.53 | 3.4 | ng | 189271 | 6 | 15.54 | 1104540 | 20.0 |