LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091918\
Data File : BF109149.D
Acq On : 19 Sep 2018 17:49
Operator : JU/SJ
Sample : J4983-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SAMPLE-01

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-BF091418.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 | 4.913 | 435 | 438 | 445 | rVB | 45351 | 56329 | 3.03% | 0.308% |
| 2 | 5.331 | 505 | 509 | 513 | rBV | 1690642 | 1542600 | 82.96% | 8.444% |
| 3 | 6.354 | 679 | 683 | 699 | rBV2 | 1704276 | 1759935 | 94.64% | 9.633% |
| 4 | 6.489 | 702 | 706 | 709 | rBV | 1962679 | 1617890 | 87.01% | 8.856% |
| 5 | 6.719 | 742 | 745 | 749 | rBV | 920606 | 807616 | 43.43% | 4.421% |
| 6 | 6.878 | 768 | 772 | 775 | rBV | 1694767 | 1365292 | 73.42% | 7.473% |
| 7 | 7.278 | 836 | 840 | 843 | rBV | 1114645 | 937189 | 50.40% | 5.130% |
| 8 | 8.001 | 959 | 963 | 967 | rBV | 1168280 | 980971 | 52.75% | 5.370% |
| 9 | 9.077 | 1142 | 1146 | 1149 | rBV | 2259257 | 1859529 | 100.00% | 10.179% |
| 10 | 9.472 | 1209 | 1213 | 1220 | rBV | 247383 | 203253 | 10.93% | 1.113% |
| 11 | 9.754 | 1257 | 1261 | 1265 | rBV | 1153053 | 993851 | 53.45% | 5.440% |
| 12 | 10.536 | 1390 | 1394 | 1405 | rBV | 970483 | 881745 | 47.42% | 4.826% |
| 13 | 11.230 | 1508 | 1512 | 1515 | rBV | 1075375 | 887591 | 47.73% | 4.858% |
| 14 | 11.765 | 1598 | 1603 | 1606 | rBV | 30804 | 30413 | 1.64% | 0.166% |
| 15 | 12.812 | 1776 | 1781 | 1784 | rBV | 1622224 | 1519131 | 81.69% | 8.315% |
| 16 | 13.401 | 1878 | 1881 | 1887 | rVB2 | 19479 | 22915 | 1.23% | 0.125% |
| 17 | 13.718 | 1932 | 1935 | 1943 | rBV | 102534 | 136191 | 7.32% | 0.745% |
| 18 | 13.854 | 1954 | 1958 | 1962 | rBV | 1071996 | 978987 | 52.65% | 5.359% |
| 19 | 13.971 | 1975 | 1978 | 1980 | rVB3 | 24939 | 21629 | 1.16% | 0.118% |
| 20 | 14.042 | 1987 | 1990 | 1996 | rVB | 42101 | 43948 | 2.36% | 0.241% |
| 21 | 14.342 | 2038 | 2041 | 2046 | rBV2 | 55845 | 59085 | 3.18% | 0.323% |
| 22 | 14.636 | 2088 | 2091 | 2096 | rVB | 73865 | 74039 | 3.98% | 0.405% |
| 23 | 14.706 | 2100 | 2103 | 2108 | rVB | 75852 | 75149 | 4.04% | 0.411% |
| 24 | 14.954 | 2142 | 2145 | 2150 | rBV | 91787 | 101441 | 5.46% | 0.555% |
| 25 | 15.259 | 2192 | 2197 | 2202 | rBV | 715242 | 868136 | 46.69% | 4.752% |
| 26 | 15.306 | 2202 | 2205 | 2211 | rVB | 95033 | 129285 | 6.95% | 0.708% |
| 27 | 15.712 | 2270 | 2274 | 2280 | rBV | 105143 | 162367 | 8.73% | 0.889% |
| 28 | 16.183 | 2349 | 2354 | 2365 | rVB2 | 79739 | 152599 | 8.21% | 0.835% |

Sum of corrected areas: 18269106

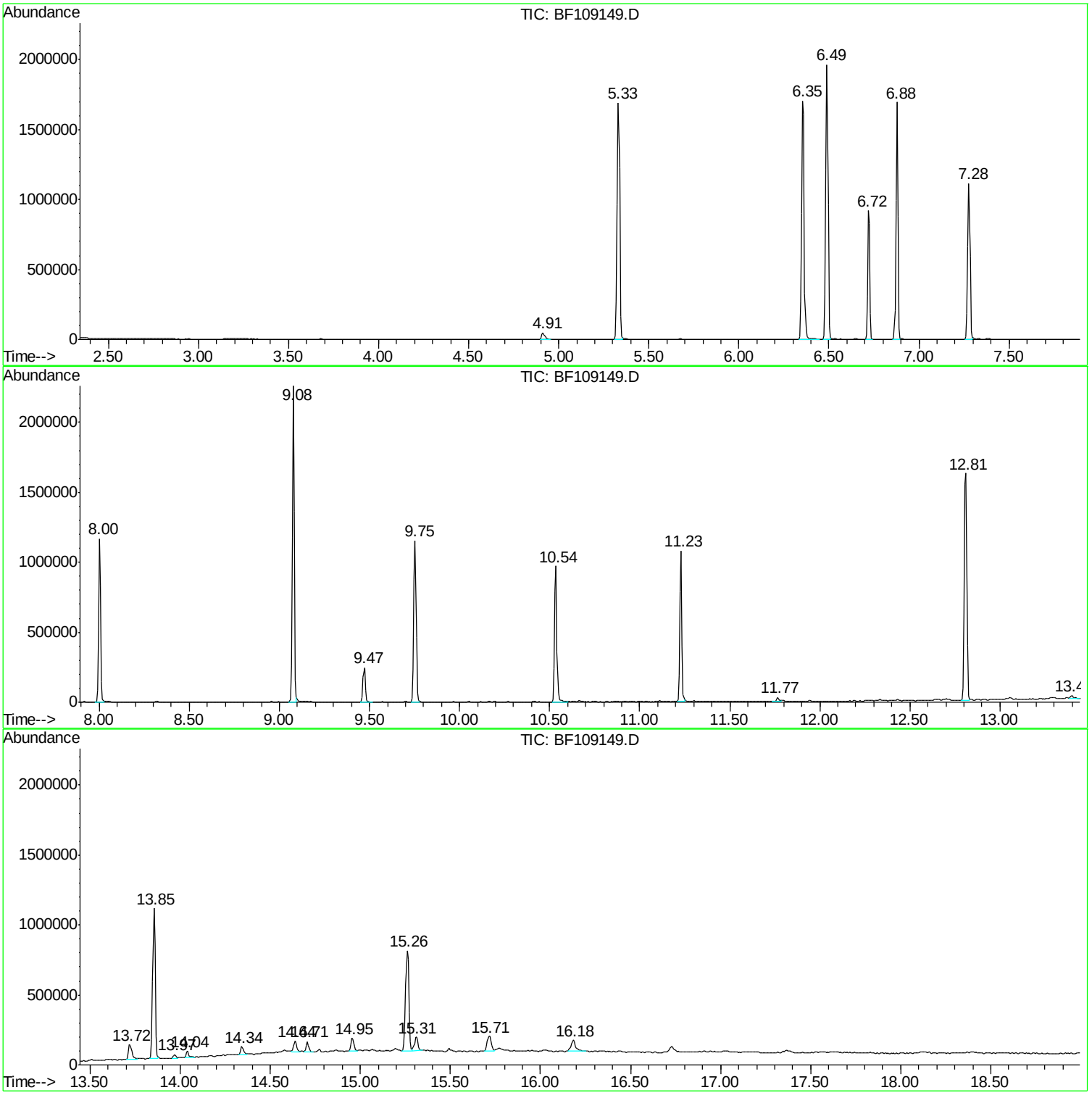
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091918\
Data File : BF109149.D
Acq On : 19 Sep 2018 17:49
Operator : JU/SJ
Sample : J4983-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SAMPLE-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091418.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\BF091918\
Data File : BF109149.D
Acq On : 19 Sep 2018 17:49
Operator : JU/SJ
Sample : J4983-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SAMPLE-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

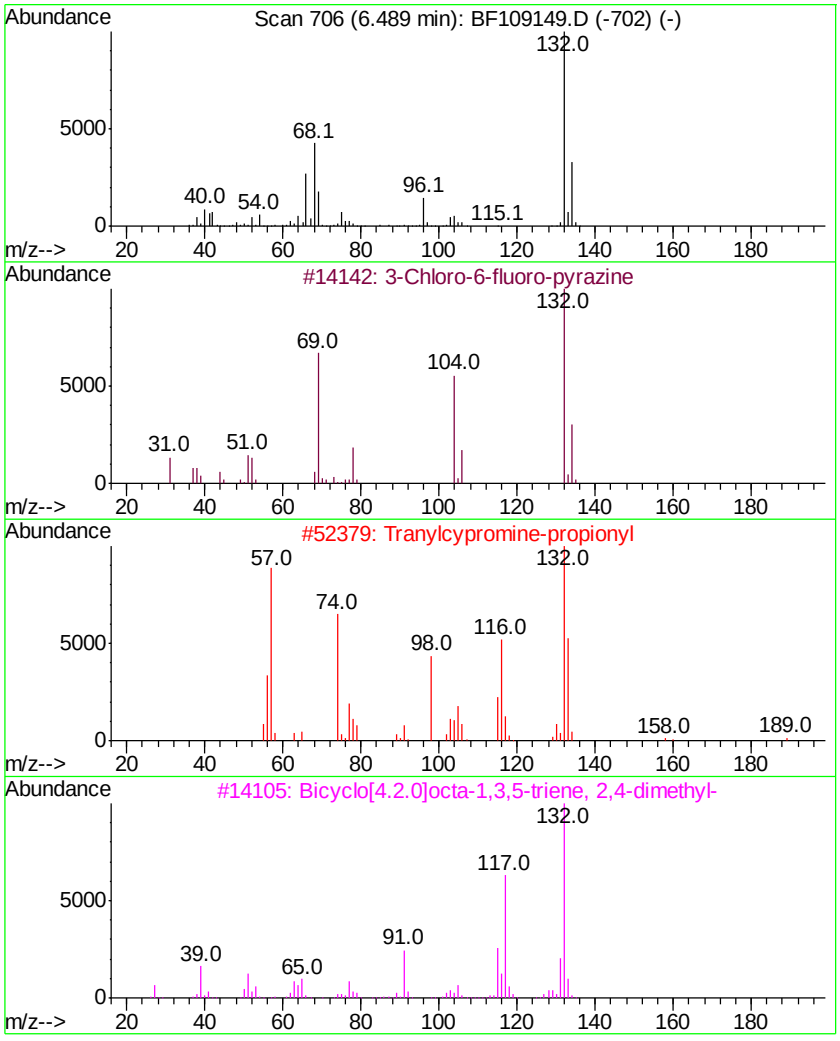
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

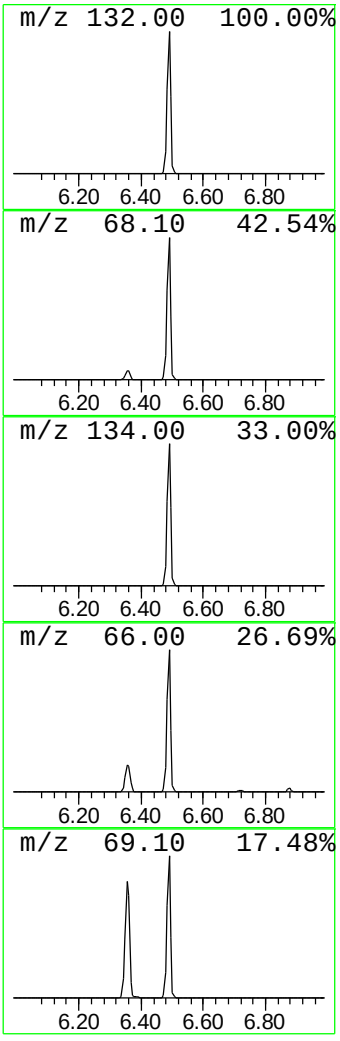
**********

Peak Number 1 unknown6.49 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.49 | 40.07 ng | 1617890 | 1,4-Dichlorobenzene-d4 | 6.72 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 16 |
| 2 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 10 |
| 3 | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12 | 028749-81-7 | 9 |
| 4 | 1,3,4-Thiadiazole-2(3H)-thione, ... | 132 | C3H4N2S2 | 029490-19-5 | 9 |
| 5 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 9 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091918\
Data File : BF109149.D
Acq On : 19 Sep 2018 17:49
Operator : JU/SJ
Sample : J4983-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SAMPLE-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

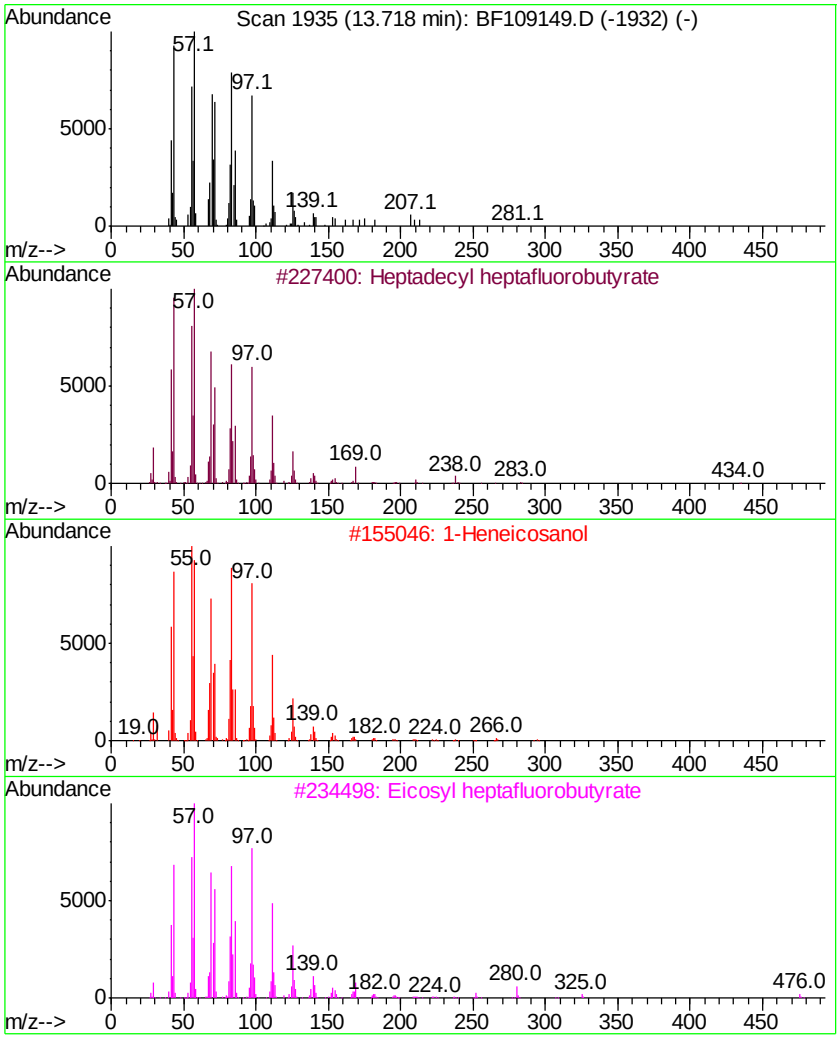
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

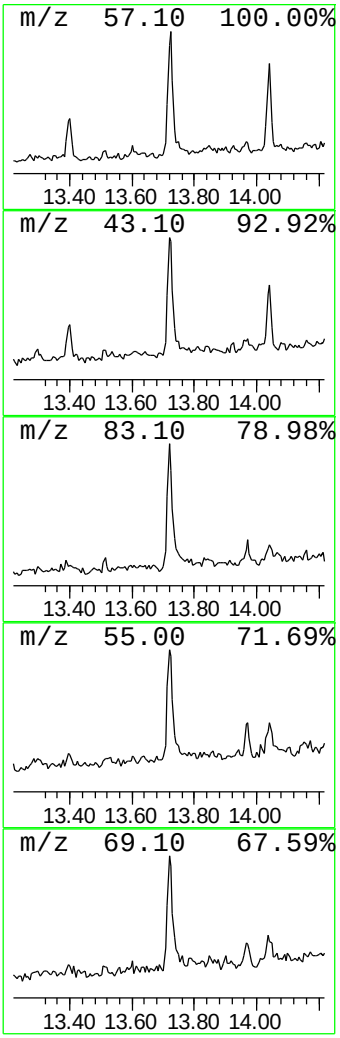
**********

Peak Number 3 Heptadecyl heptafluorobutyrate Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.72 | 2.78 ng | 136191 | Chrysene-d12 | 13.85 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptadecyl heptafluorobutyrate | 452 | C21H35F7O2 | 959085-66-6 | 94 |
| 2 | 1-Heneicosanol | 312 | C21H44O | 015594-90-8 | 93 |
| 3 | Eicosyl heptafluorobutyrate | 494 | C24H41F7O2 | 1000351-83-5 | 91 |
| 4 | Heptafluorobutyric acid, n-octad... | 466 | C22H37F7O2 | 000400-57-7 | 91 |
| 5 | Nonadecyl pentafluoropropionate | 430 | C22H39F5O2 | 1000351-88-8 | 91 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091918\
Data File : BF109149.D
Acq On : 19 Sep 2018 17:49
Operator : JU/SJ
Sample : J4983-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SAMPLE-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

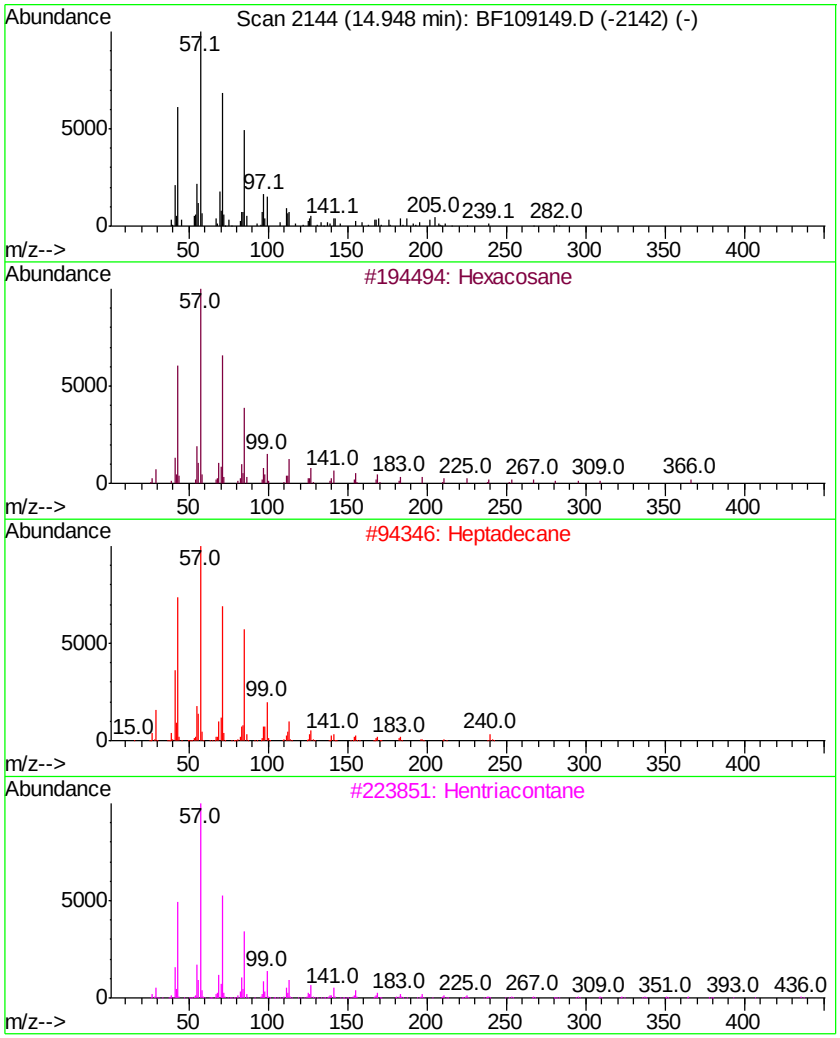
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

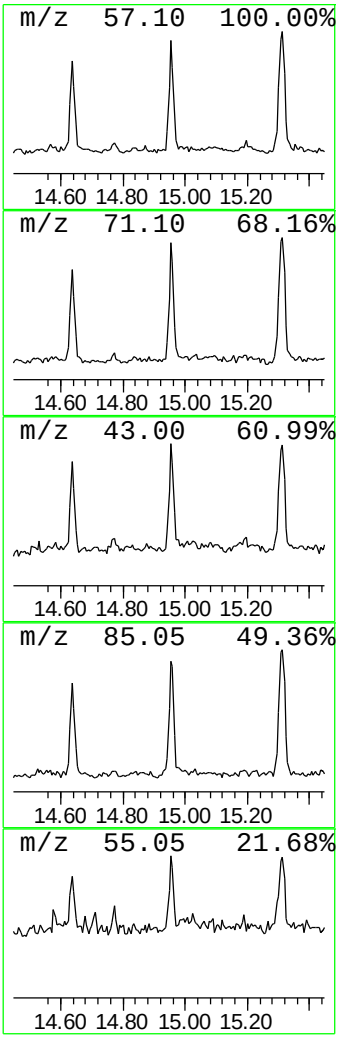
**********

Peak Number 4 Hexacosane Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.95 | 2.34 ng | 101441 | Perylene-d12 | 15.26 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexacosane | 366 | C26H54 | 000630-01-3 | 91 |
| 2 | Heptadecane | 240 | C17H36 | 000629-78-7 | 90 |
| 3 | Hentriacontane | 437 | C31H64 | 000630-04-6 | 90 |
| 4 | Heneicosane | 296 | C21H44 | 000629-94-7 | 87 |
| 5 | Methoxyacetic acid, 2-tetradecyl... | 286 | C17H34O3 | 1000282-04-8 | 86 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091918\
Data File : BF109149.D
Acq On : 19 Sep 2018 17:49
Operator : JU/SJ
Sample : J4983-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SAMPLE-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

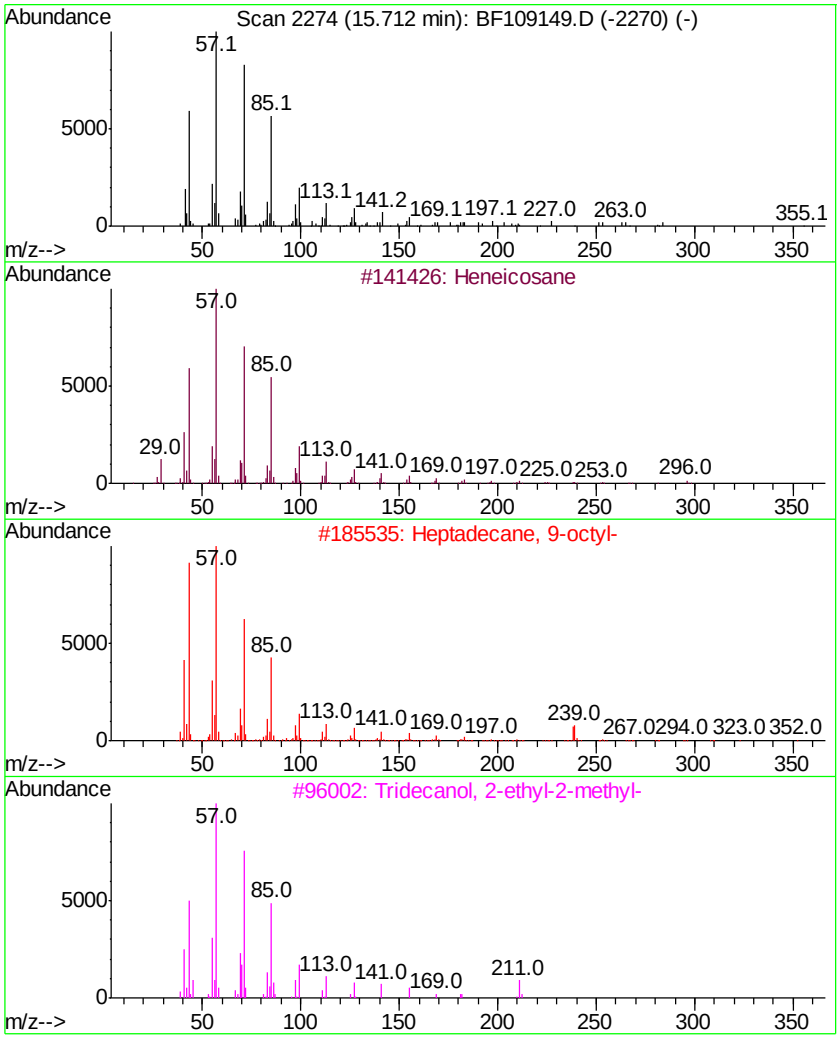
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

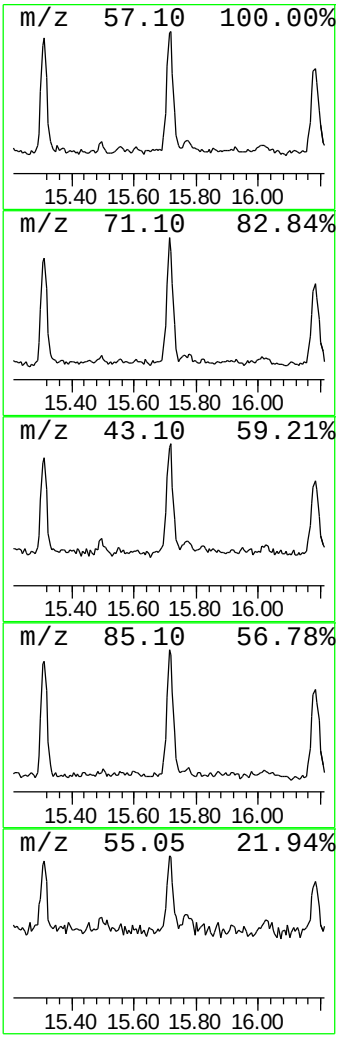
**********

Peak Number 5 Heneicosane Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.71 | 3.74 ng | 162367 | Perylene-d12 | 15.26 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 2 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 91 |
| 3 | Tridecanol, 2-ethyl-2-methyl- | 242 | C16H34O | 1000115-66-1 | 91 |
| 4 | Triacontane | 422 | C30H62 | 000638-68-6 | 91 |
| 5 | Hexacosane | 366 | C26H54 | 000630-01-3 | 90 |



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Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091918\
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Acq On : 19 Sep 2018 17:49
Operator : JU/SJ
Sample : J4983-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SAMPLE-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

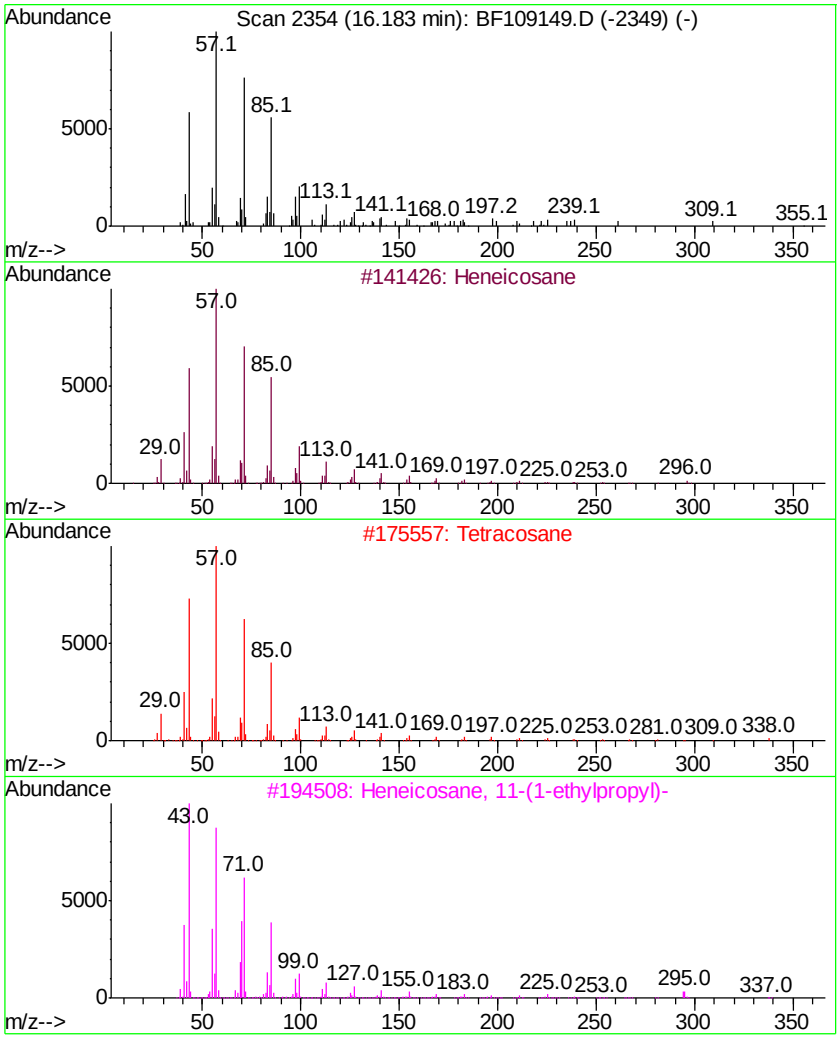
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

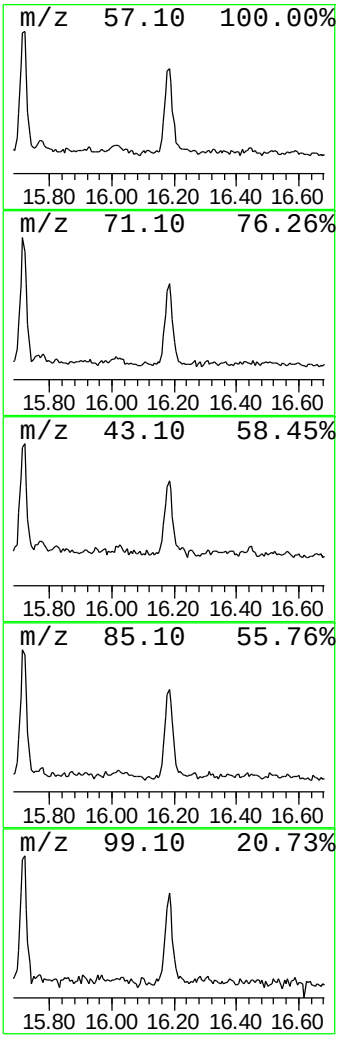
**********

Peak Number 6 Tetracosane Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.18 | 3.52 ng | 152599 | Perylene-d12 | 15.26 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heneicosane | 296 | C21H44 | 000629-94-7 | 90 |
| 2 | Tetracosane | 338 | C24H50 | 000646-31-1 | 90 |
| 3 | Heneicosane, 11-(1-ethylpropyl)- | 366 | C26H54 | 055282-11-6 | 90 |
| 4 | Octacosane | 394 | C28H58 | 000630-02-4 | 87 |
| 5 | Hexadecane | 226 | C16H34 | 000544-76-3 | 83 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF091918\
Data File : BF109149.D
Acq On : 19 Sep 2018 17:49
Operator : JU/SJ
Sample : J4983-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SAMPLE-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091418.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 |
| unknown6.49 | 6.49 | 40.1 | ng | 1617890 | 1 | 6.72 | 807616 | 20.0 |
| Heptadecyl heptaf... | 13.72 | 2.8 | ng | 136191 | 5 | 13.85 | 978987 | 20.0 |
| Hexacosane | 14.95 | 2.3 | ng | 101441 | 6 | 15.26 | 868136 | 20.0 |
| Heneicosane | 15.71 | 3.7 | ng | 162367 | 6 | 15.26 | 868136 | 20.0 |
| Tetracosane | 16.18 | 3.5 | ng | 152599 | 6 | 15.26 | 868136 | 20.0 |