LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112318\
Data File : BF110943.D
Acq On : 23 Nov 2018 14:51
Operator : JU/SJ
Sample : J5999-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SSSI-1116-S-AB-5

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-BF110818.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 | 2.246 | 21 | 27 | 39 | rVB | 112185 | 165023 | 8.98% | 0.608% |
| 2 | 5.181 | 521 | 526 | 534 | rBV | 54390 | 83747 | 4.55% | 0.309% |
| 3 | 5.557 | 586 | 590 | 606 | rBV | 1581845 | 1661023 | 90.34% | 6.119% |
| 4 | 6.563 | 757 | 761 | 781 | rBV | 1502829 | 1838617 | 100.00% | 6.773% |
| 5 | 6.704 | 781 | 785 | 789 | rBV | 1928909 | 1764507 | 95.97% | 6.500% |
| 6 | 6.934 | 820 | 824 | 831 | rBV | 464846 | 402084 | 21.87% | 1.481% |
| 7 | 7.087 | 847 | 850 | 863 | rBV | 1337293 | 1289606 | 70.14% | 4.751% |
| 8 | 7.504 | 916 | 921 | 939 | rBV | 1077590 | 1136705 | 61.82% | 4.187% |
| 9 | 8.216 | 1038 | 1042 | 1057 | rBV | 568486 | 539505 | 29.34% | 1.987% |
| 10 | 9.287 | 1220 | 1224 | 1233 | rBV | 1730290 | 1664247 | 90.52% | 6.131% |
| 11 | 9.686 | 1288 | 1292 | 1298 | rBV | 111930 | 104320 | 5.67% | 0.384% |
| 12 | 9.975 | 1337 | 1341 | 1349 | rBV2 | 654585 | 590170 | 32.10% | 2.174% |
| 13 | 10.169 | 1370 | 1374 | 1378 | rBV3 | 14235 | 19737 | 1.07% | 0.073% |
| 14 | 10.775 | 1473 | 1477 | 1486 | rBV | 967865 | 961238 | 52.28% | 3.541% |
| 15 | 11.475 | 1592 | 1596 | 1602 | rBV | 579033 | 560133 | 30.46% | 2.063% |
| 16 | 11.980 | 1676 | 1682 | 1703 | rVB | 563177 | 1018944 | 55.42% | 3.754% |
| 17 | 12.504 | 1762 | 1771 | 1779 | rBV | 131149 | 324636 | 17.66% | 1.196% |
| 18 | 12.622 | 1788 | 1791 | 1794 | rBV2 | 27129 | 32363 | 1.76% | 0.119% |
| 19 | 12.675 | 1796 | 1800 | 1801 | rBV3 | 31589 | 40800 | 2.22% | 0.150% |
| 20 | 12.763 | 1810 | 1815 | 1829 | rVB | 802904 | 1257075 | 68.37% | 4.631% |
| 21 | 13.057 | 1861 | 1865 | 1868 | rVB | 1450307 | 1322544 | 71.93% | 4.872% |
| 22 | 13.269 | 1894 | 1901 | 1905 | rBV2 | 123462 | 257498 | 14.00% | 0.949% |
| 23 | 13.327 | 1905 | 1911 | 1919 | rVB | 330177 | 643555 | 35.00% | 2.371% |
| 24 | 13.522 | 1939 | 1944 | 1948 | rBV | 105142 | 151357 | 8.23% | 0.558% |
| 25 | 13.592 | 1953 | 1956 | 1966 | rVB | 54210 | 74607 | 4.06% | 0.275% |
| 26 | 13.957 | 2010 | 2018 | 2028 | rBV | 667863 | 1272770 | 69.22% | 4.689% |
| 27 | 14.127 | 2043 | 2047 | 2055 | rVB | 436088 | 437699 | 23.81% | 1.612% |
| 28 | 14.204 | 2057 | 2060 | 2062 | rBV2 | 28285 | 28877 | 1.57% | 0.106% |
| 29 | 14.239 | 2063 | 2066 | 2069 | rVB | 57523 | 55540 | 3.02% | 0.205% |
| 30 | 14.321 | 2077 | 2080 | 2090 | rVB2 | 60567 | 89410 | 4.86% | 0.329% |
| 31 | 14.480 | 2101 | 2107 | 2114 | rBV | 1010800 | 1389338 | 75.56% | 5.118% |
| 32 | 14.545 | 2114 | 2118 | 2121 | rBV | 130123 | 126525 | 6.88% | 0.466% |
| 33 | 14.786 | 2156 | 2159 | 2166 | rVB2 | 34359 | 51456 | 2.80% | 0.190% |
| 34 | 14.863 | 2166 | 2172 | 2176 | rBV | 218102 | 270985 | 14.74% | 0.998% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112318\
Data File : BF110943.D
Acq On : 23 Nov 2018 14:51
Operator : JU/SJ
Sample : J5999-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SSSI-1116-S-AB-5

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-BF110818.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 14.986 | 2186 | 2193 | 2205 | rBV | 778370 | 1351706 | 73.52% | 4.980% |
| 36 | 15.210 | 2226 | 2231 | 2235 | rBV | 275864 | 322039 | 17.52% | 1.186% |
| 37 | 15.333 | 2249 | 2252 | 2254 | rBV3 | 19426 | 25601 | 1.39% | 0.094% |
| 38 | 15.374 | 2255 | 2259 | 2270 | rVB2 | 67911 | 158399 | 8.62% | 0.584% |
| 39 | 15.557 | 2283 | 2290 | 2295 | rBV | 552117 | 1014448 | 55.17% | 3.737% |
| 40 | 15.604 | 2295 | 2298 | 2303 | rVV | 285230 | 363841 | 19.79% | 1.340% |
| 41 | 15.657 | 2303 | 2307 | 2324 | rVB2 | 266832 | 442709 | 24.08% | 1.631% |
| 42 | 16.051 | 2367 | 2374 | 2381 | rBV | 222749 | 373434 | 20.31% | 1.376% |
| 43 | 16.127 | 2384 | 2387 | 2394 | rBV7 | 15866 | 32664 | 1.78% | 0.120% |
| 44 | 16.215 | 2394 | 2402 | 2414 | rVB | 234014 | 500030 | 27.20% | 1.842% |
| 45 | 16.580 | 2457 | 2464 | 2473 | rBV | 121748 | 241144 | 13.12% | 0.888% |
| 46 | 16.721 | 2480 | 2488 | 2502 | rVB7 | 58195 | 205201 | 11.16% | 0.756% |
| 47 | 16.974 | 2524 | 2531 | 2538 | rVB | 94134 | 217744 | 11.84% | 0.802% |
| 48 | 17.198 | 2563 | 2569 | 2575 | rVB2 | 47089 | 98115 | 5.34% | 0.361% |
| 49 | 17.880 | 2677 | 2685 | 2690 | rBV3 | 41032 | 114997 | 6.25% | 0.424% |
| 50 | 18.939 | 2859 | 2865 | 2870 | rBV4 | 22936 | 56602 | 3.08% | 0.209% |

Sum of corrected areas: 27145315

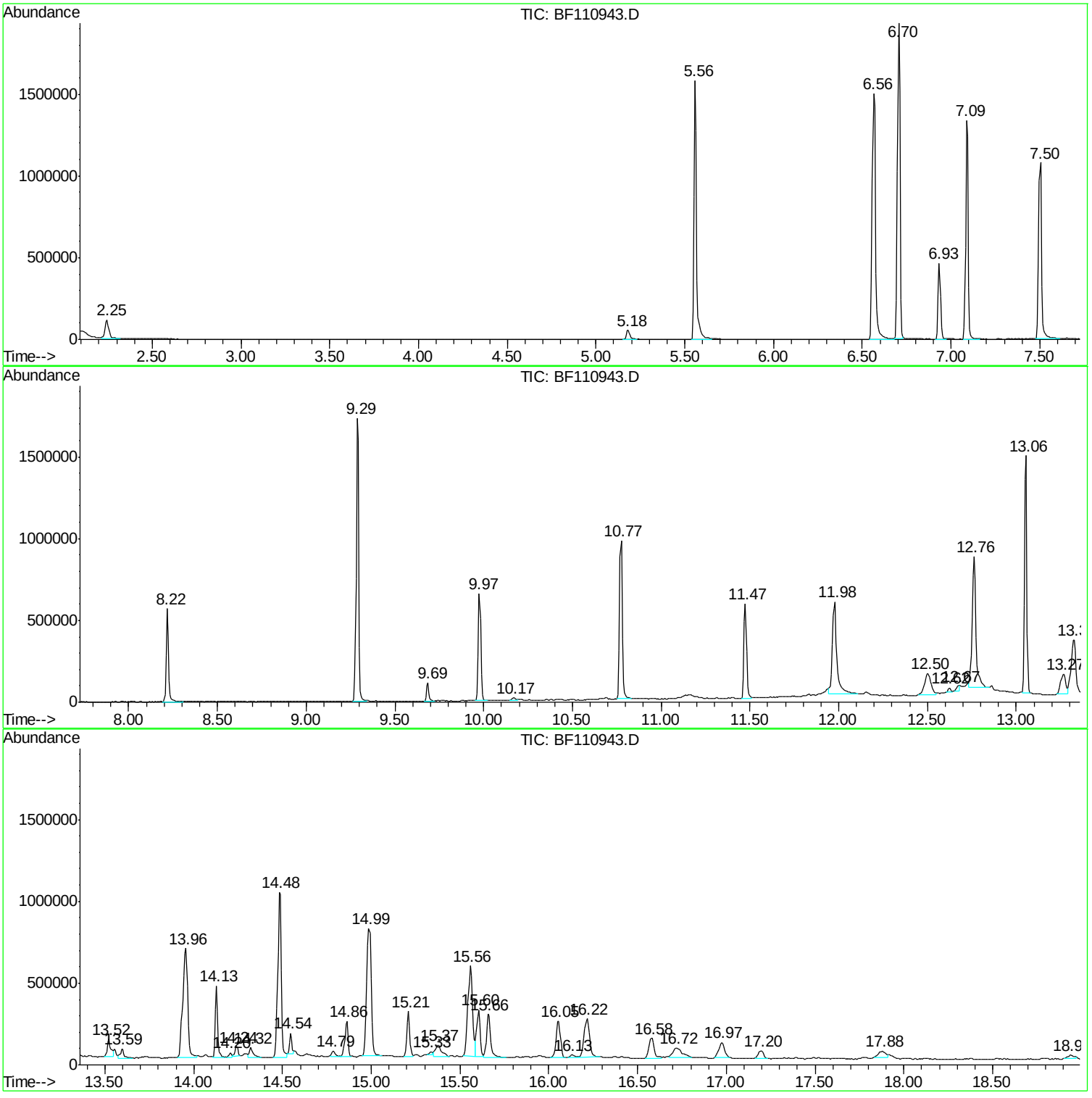
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112318\
Data File : BF110943.D
Acq On : 23 Nov 2018 14:51
Operator : JU/SJ
Sample : J5999-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SSSI-1116-S-AB-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.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\BF112318\
Data File : BF110943.D
Acq On : 23 Nov 2018 14:51
Operator : JU/SJ
Sample : J5999-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SSSI-1116-S-AB-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

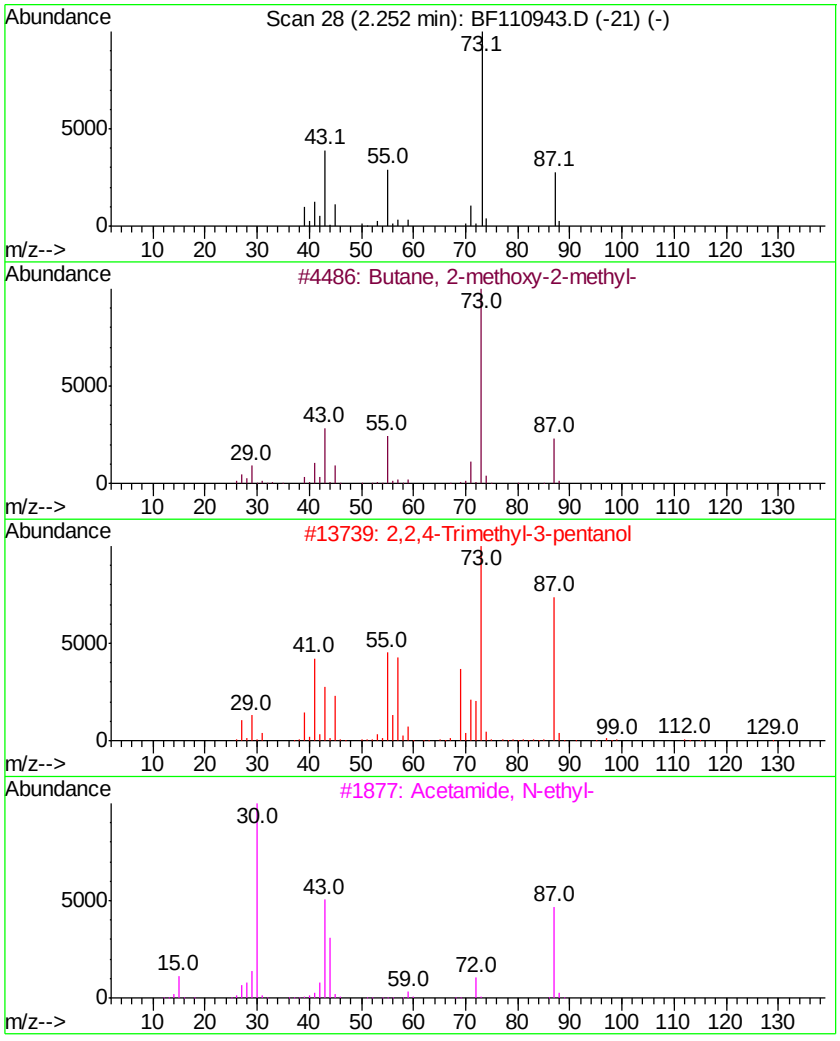
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

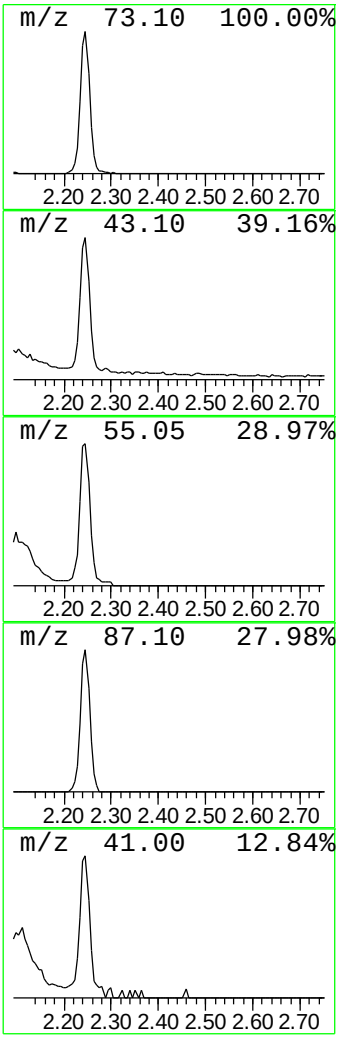
**********

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.25 | 8.21 ng | 165023 | 1,4-Dichlorobenzene-d4 | 6.93 |

| 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 | Acetamide, N-ethyl- | 87 | C4H9NO | 000625-50-3 | 10 |
| 4 | Boronic acid, ethyl-, dimethyl e... | 102 | C4H11BO2 | 007318-82-3 | 10 |
| 5 | 1,3-Dioxolane, 2-methyl- | 88 | C4H8O2 | 000497-26-7 | 9 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112318\
Data File : BF110943.D
Acq On : 23 Nov 2018 14:51
Operator : JU/SJ
Sample : J5999-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SSSI-1116-S-AB-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

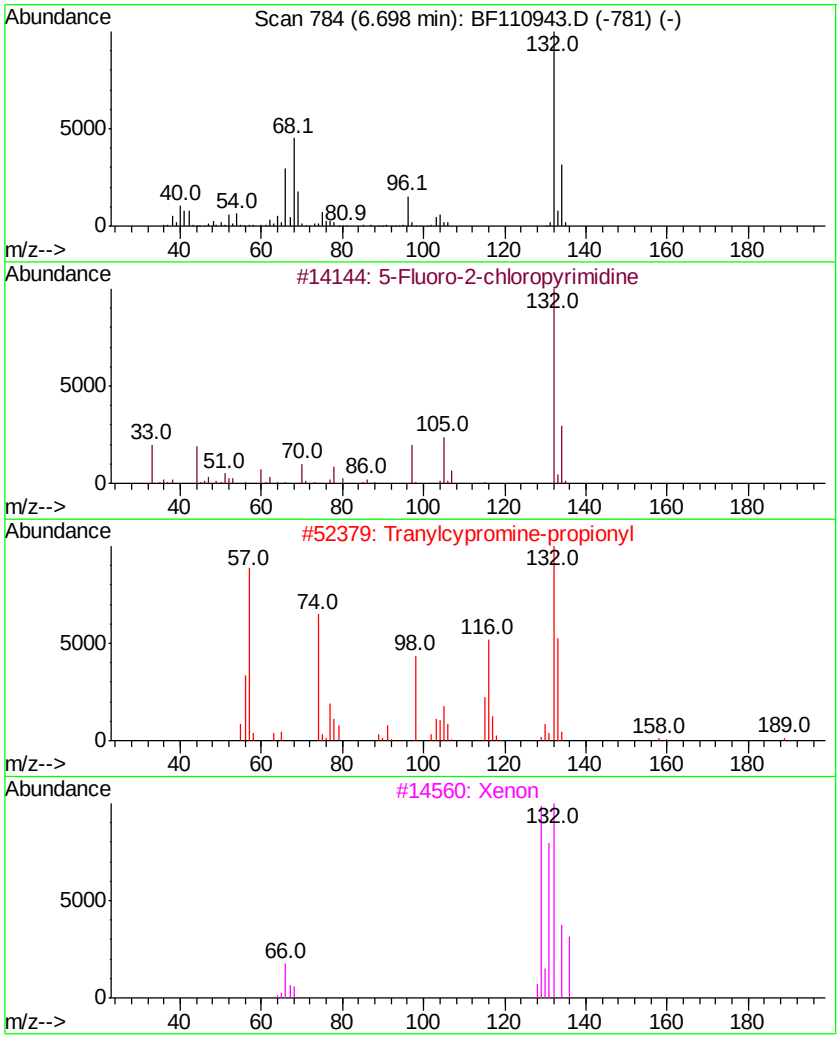
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

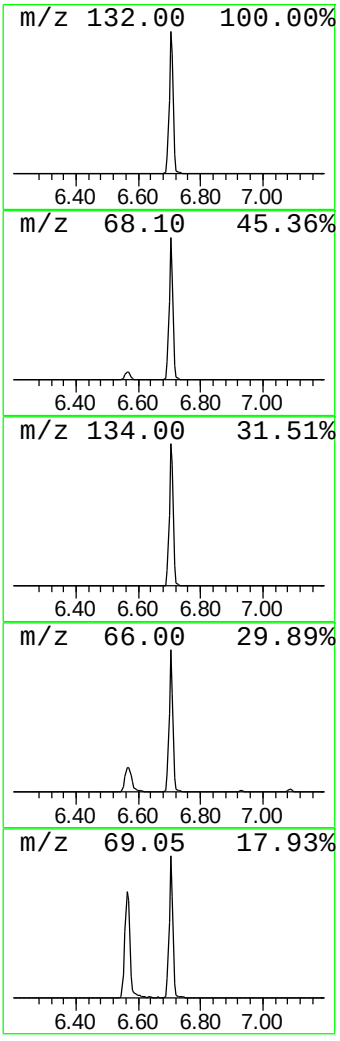
**********

Peak Number 2 unknown6.70 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.70 | 87.77 ng | 1764510 | 1,4-Dichlorobenzene-d4 | 6.93 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0 | 16 |
| 2 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 10 |
| 3 | Xenon | 132 | Xe | 007440-63-3 | 9 |
| 4 | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12 | 028749-81-7 | 9 |
| 5 | 4-Methylpyrrolo[1,2-a]pyrazine | 132 | C8H8N2 | 064608-60-2 | 9 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112318\
Data File : BF110943.D
Acq On : 23 Nov 2018 14:51
Operator : JU/SJ
Sample : J5999-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SSSI-1116-S-AB-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

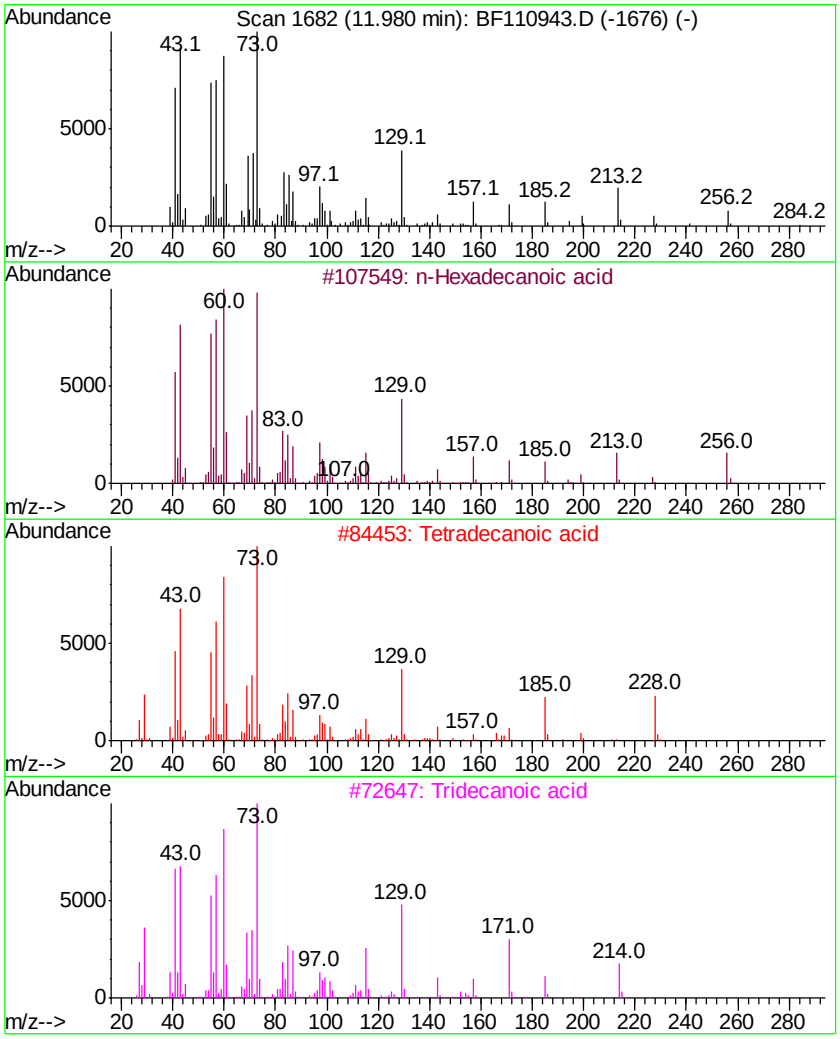
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

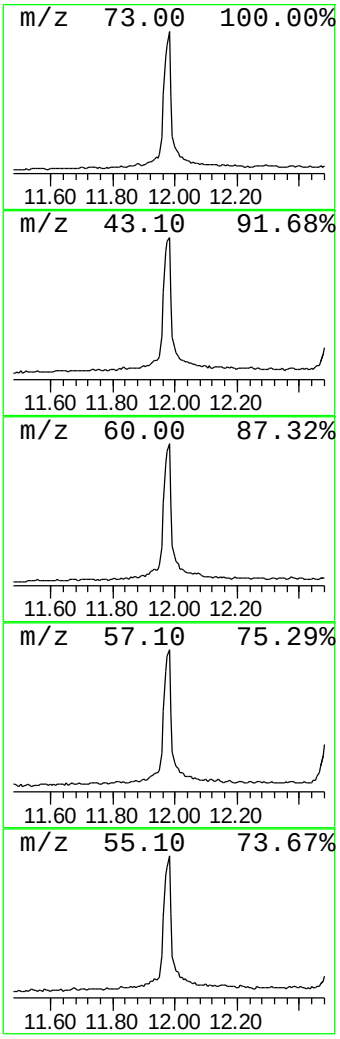
**********

Peak Number 4 n-Hexadecanoic acid Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.98 | 36.38 ng | 1018940 | Phenanthrene-d10 | 11.47 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99 |
| 2 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 94 |
| 3 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 93 |
| 4 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 91 |
| 5 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 81 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112318\
Data File : BF110943.D
Acq On : 23 Nov 2018 14:51
Operator : JU/SJ
Sample : J5999-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SSSI-1116-S-AB-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

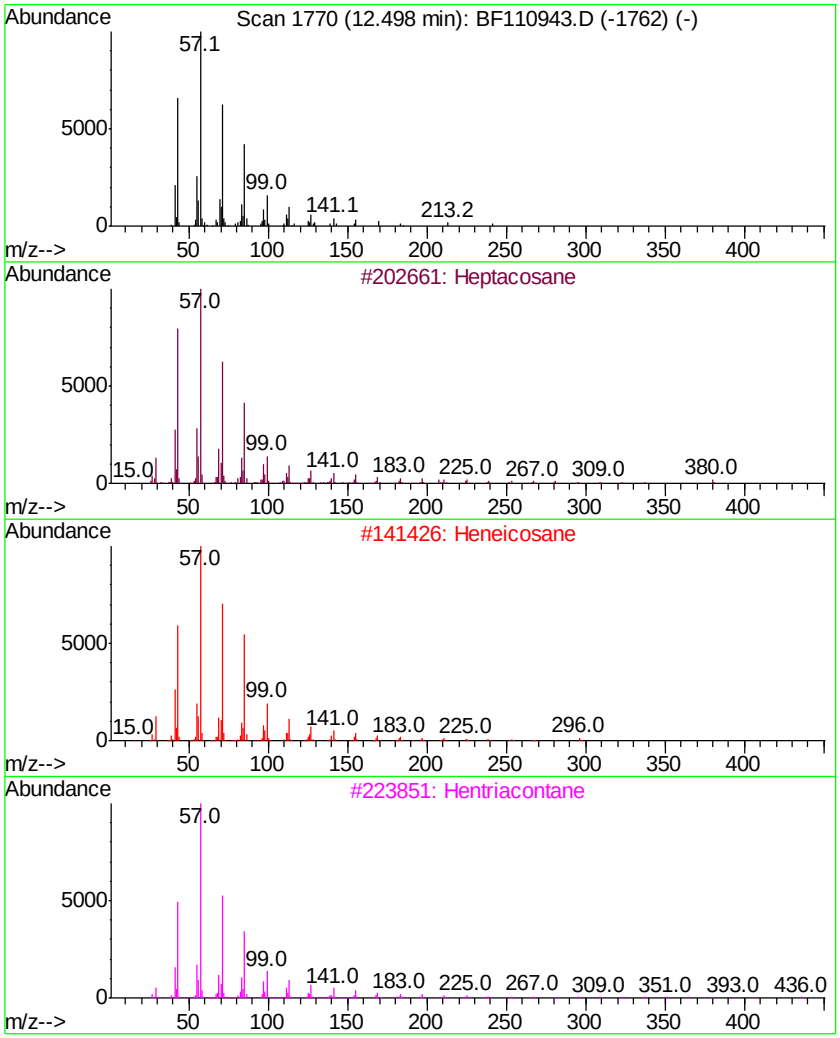
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

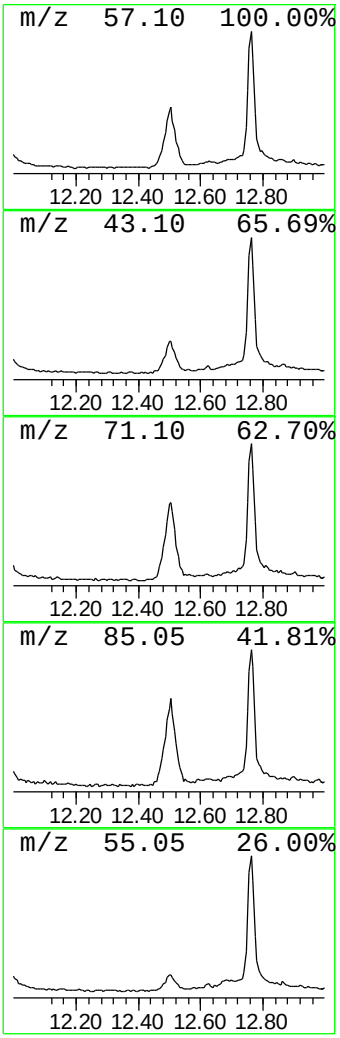
**********

Peak Number 5 Heptacosane Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.50 | 11.59 ng | 324636 | Phenanthrene-d10 | 11.47 |

| 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 | Hentriacontane | 437 | C31H64 | 000630-04-6 | 91 |
| 4 | Octacosane | 394 | C28H58 | 000630-02-4 | 91 |
| 5 | Hexadecane | 226 | C16H34 | 000544-76-3 | 91 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112318\
Data File : BF110943.D
Acq On : 23 Nov 2018 14:51
Operator : JU/SJ
Sample : J5999-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SSSI-1116-S-AB-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

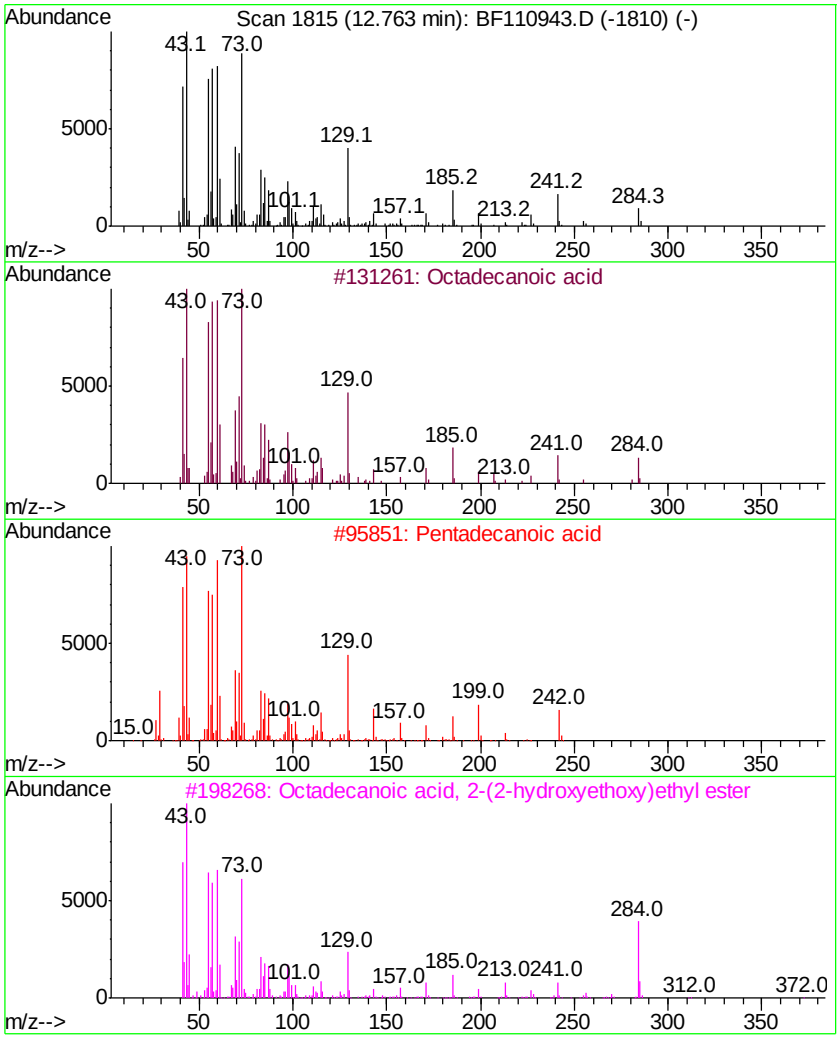
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

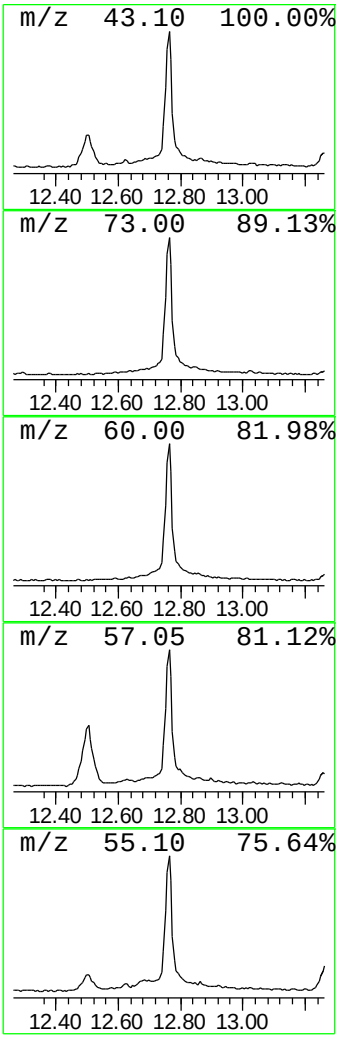
**********

Peak Number 6 Octadecanoic acid Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.76 | 44.88 ng | 1257080 | Phenanthrene-d10 | 11.47 |

| 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 | Octadecanoic acid, 2-(2-hydroxye... | 372 | C22H44O4 | 000106-11-6 | 83 |
| 4 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 76 |
| 5 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 74 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112318\
Data File : BF110943.D
Acq On : 23 Nov 2018 14:51
Operator : JU/SJ
Sample : J5999-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SSSI-1116-S-AB-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

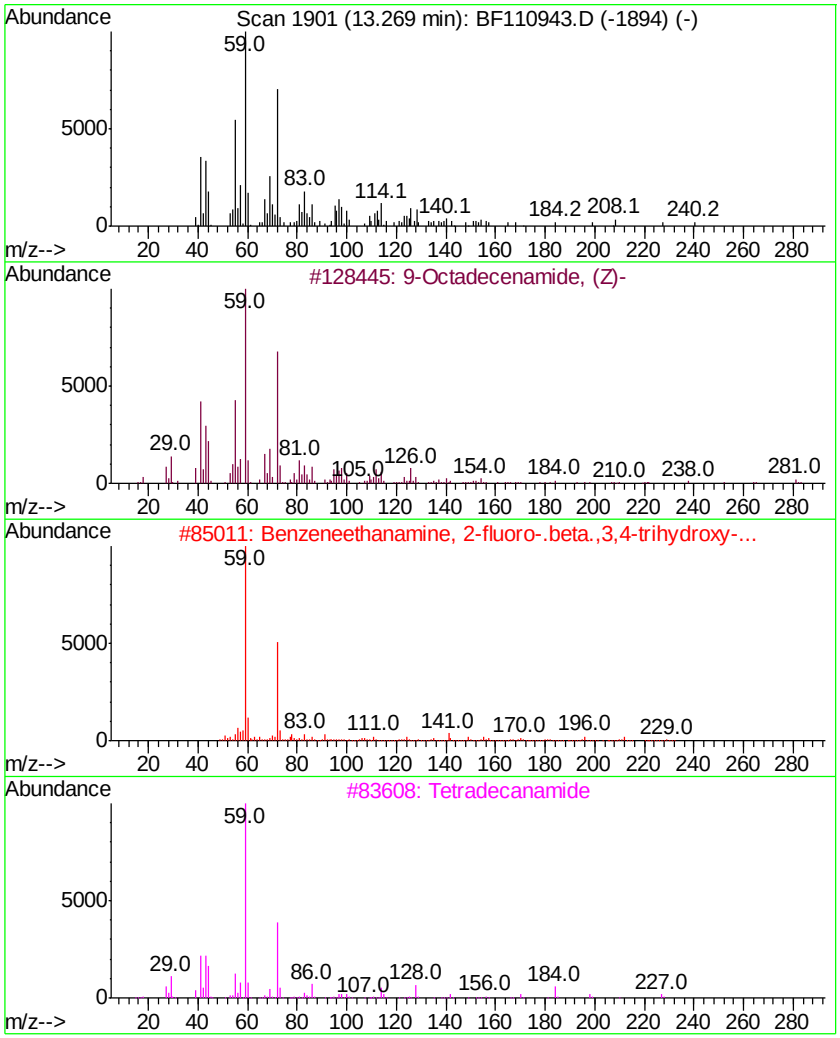
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

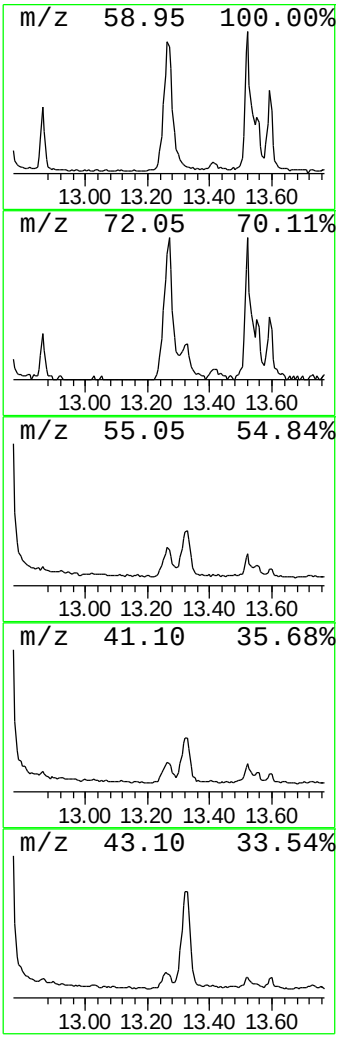
**********

Peak Number 7 9-Octadecenamide, (Z)- Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.27 | 11.77 ng | 257498 | Chrysene-d12 | 14.13 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9-Octadecenamide, (Z)- | 281 | C18H35NO | 000301-02-0 | 91 |
| 2 | Benzeneethanamine, 2-fluoro-.bet... | 229 | C11H16FNO3 | 061338-98-5 | 50 |
| 3 | Tetradecanamide | 227 | C14H29NO | 000638-58-4 | 50 |
| 4 | Silane, hexyl- | 116 | C6H16Si | 001072-14-6 | 43 |
| 5 | trans-2,7-Dimethyl-4,6-octadien-... | 154 | C10H18O | 1000281-69-5 | 43 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112318\
Data File : BF110943.D
Acq On : 23 Nov 2018 14:51
Operator : JU/SJ
Sample : J5999-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SSSI-1116-S-AB-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

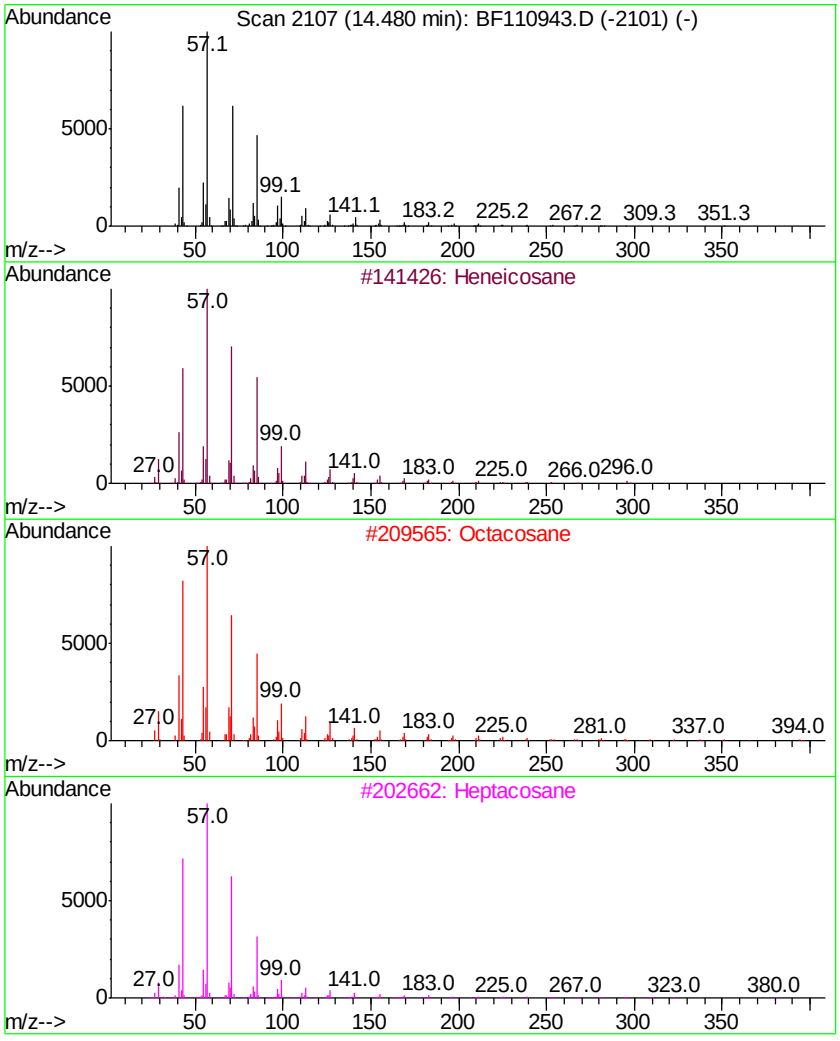
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

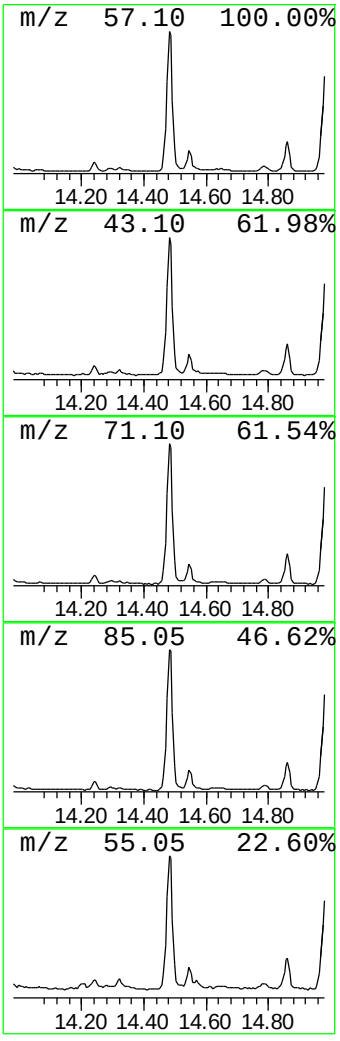
**********

Peak Number 10 Heneicosane Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.48 | 63.48 ng | 1389340 | Chrysene-d12 | 14.13 |

| 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 | Heptacosane | 380 | C27H56 | 000593-49-7 | 91 |
| 4 | Eicosane, 7-hexyl- | 366 | C26H54 | 055333-99-8 | 91 |
| 5 | Hexacosane | 366 | C26H54 | 000630-01-3 | 91 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112318\
Data File : BF110943.D
Acq On : 23 Nov 2018 14:51
Operator : JU/SJ
Sample : J5999-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SSSI-1116-S-AB-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

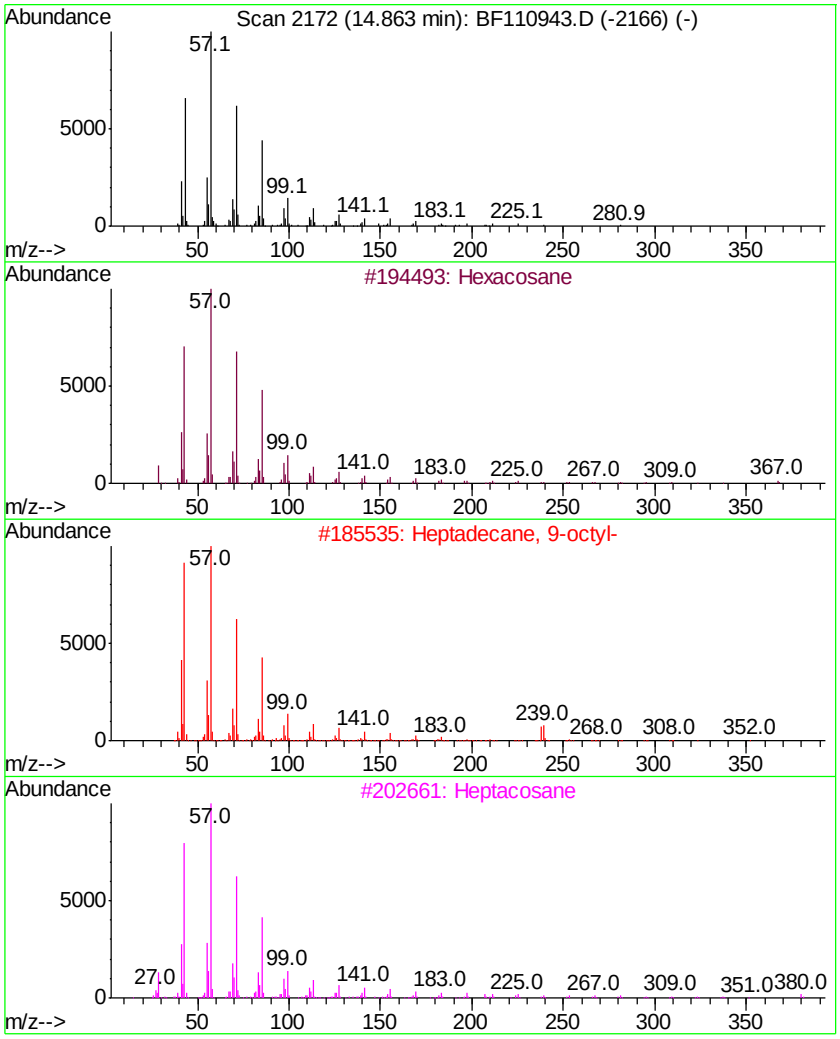
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

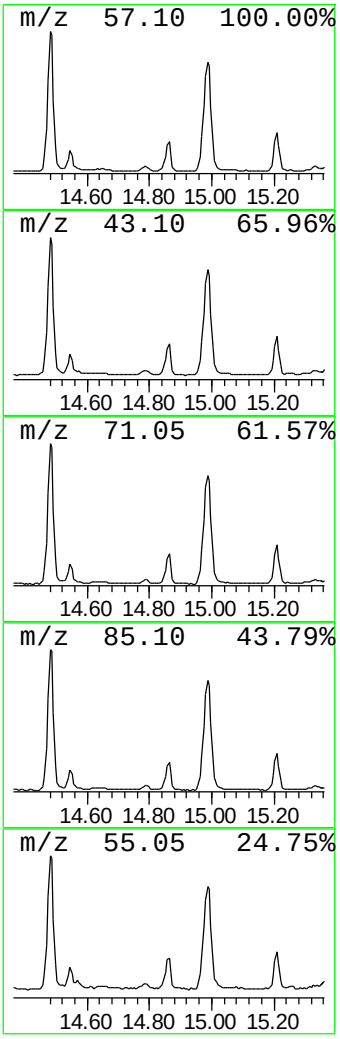
**********

Peak Number 11 Hexacosane Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.86 | 12.38 ng | 270985 | Chrysene-d12 | 14.13 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexacosane | 366 | C26H54 | 000630-01-3 | 91 |
| 2 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 91 |
| 3 | Heptacosane | 380 | C27H56 | 000593-49-7 | 91 |
| 4 | Octacosane | 394 | C28H58 | 000630-02-4 | 91 |
| 5 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112318\
Data File : BF110943.D
Acq On : 23 Nov 2018 14:51
Operator : JU/SJ
Sample : J5999-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SSSI-1116-S-AB-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

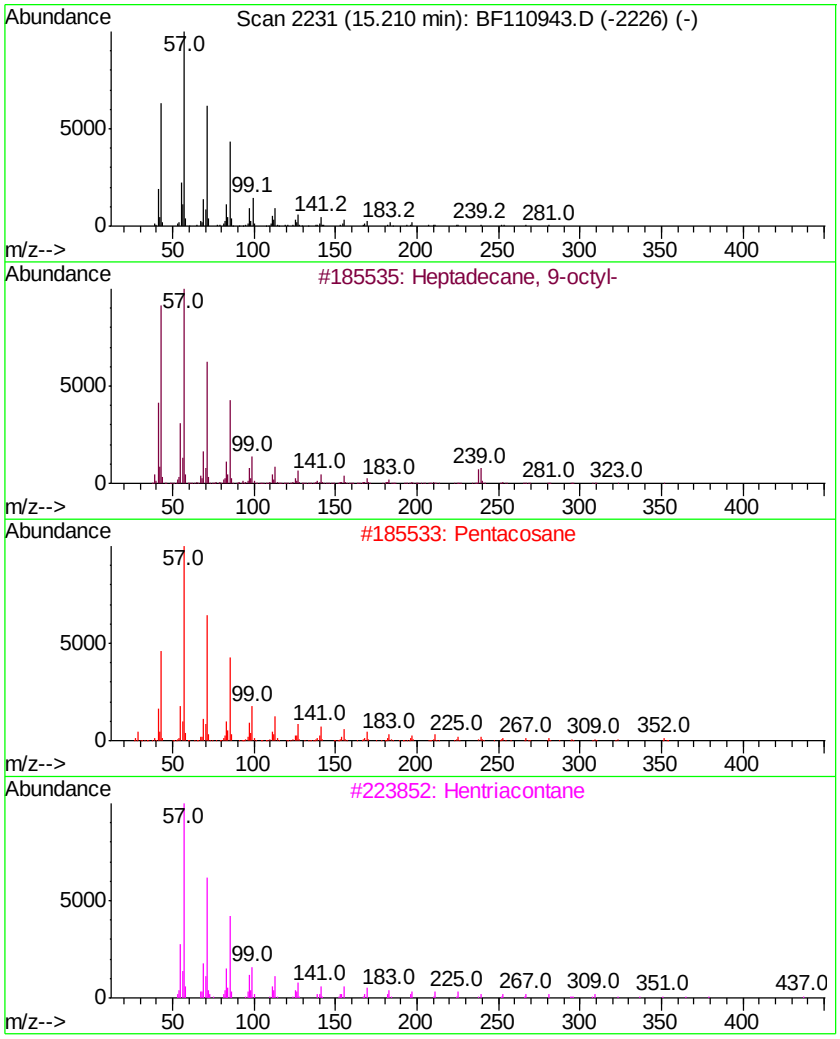
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

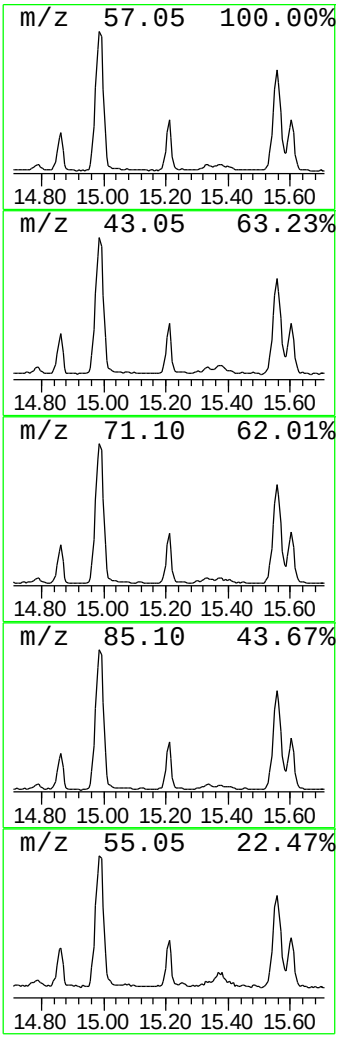
**********

Peak Number 13 Heptadecane, 9-octyl- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.21 | 14.55 ng | 322039 | Perylene-d12 | 15.66 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 91 |
| 2 | Pentacosane | 352 | C25H52 | 000629-99-2 | 91 |
| 3 | Hentriacontane | 437 | C31H64 | 000630-04-6 | 91 |
| 4 | Heptacosane | 380 | C27H56 | 000593-49-7 | 91 |
| 5 | Heneicosane, 11-(1-ethylpropyl)- | 366 | C26H54 | 055282-11-6 | 91 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112318\
Data File : BF110943.D
Acq On : 23 Nov 2018 14:51
Operator : JU/SJ
Sample : J5999-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SSSI-1116-S-AB-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

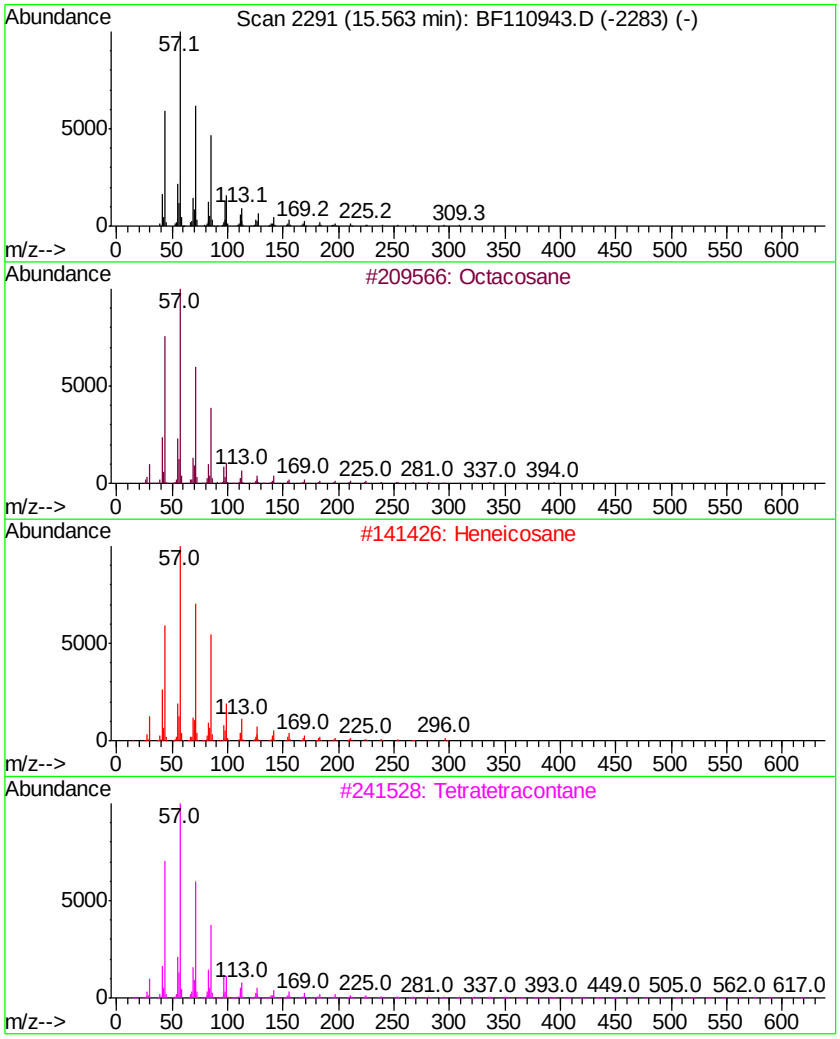
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

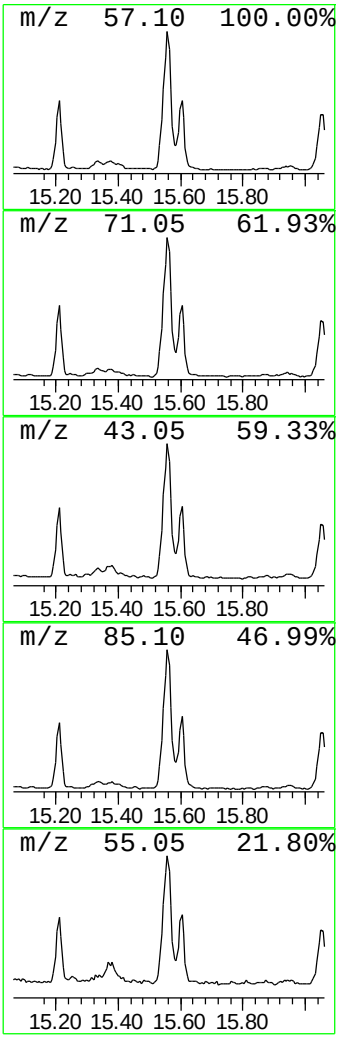
**********

Peak Number 14 Octacosane Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.56 | 45.83 ng | 1014450 | Perylene-d12 | 15.66 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octacosane | 394 | C28H58 | 000630-02-4 | 91 |
| 2 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 3 | Tetratetracontane | 619 | C44H90 | 007098-22-8 | 91 |
| 4 | Heptacosane | 380 | C27H56 | 000593-49-7 | 91 |
| 5 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 91 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112318\
Data File : BF110943.D
Acq On : 23 Nov 2018 14:51
Operator : JU/SJ
Sample : J5999-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SSSI-1116-S-AB-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

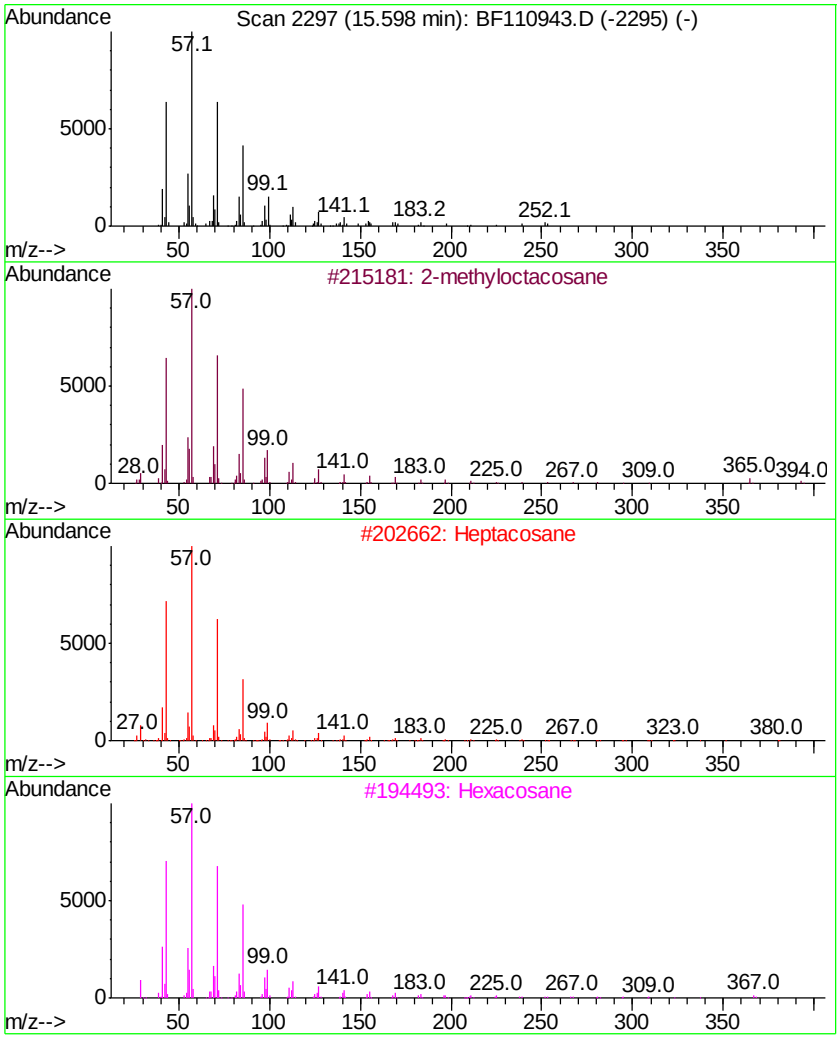
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

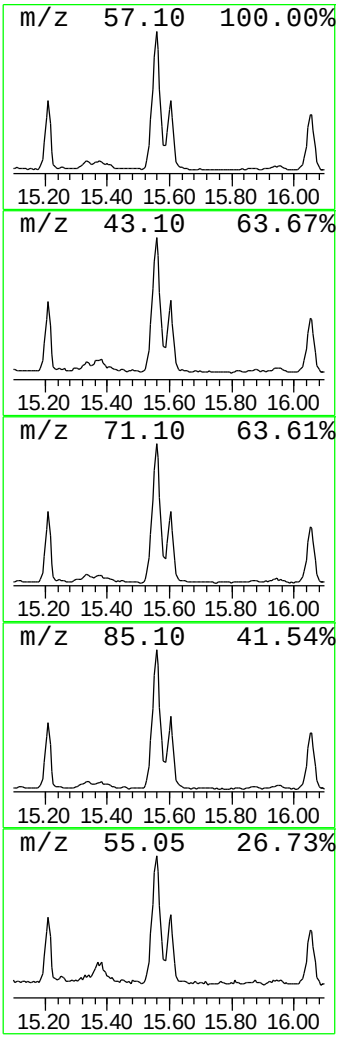
**********

Peak Number 15 2-methyloctacosane Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.60 | 16.44 ng | 363841 | Perylene-d12 | 15.66 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-methyloctacosane | 408 | C29H60 | 1000376-72-8 | 91 |
| 2 | Heptacosane | 380 | C27H56 | 000593-49-7 | 91 |
| 3 | Hexacosane | 366 | C26H54 | 000630-01-3 | 91 |
| 4 | Hentriacontane | 437 | C31H64 | 000630-04-6 | 90 |
| 5 | Octadecane, 2-methyl- | 268 | C19H40 | 001560-88-9 | 90 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112318\
Data File : BF110943.D
Acq On : 23 Nov 2018 14:51
Operator : JU/SJ
Sample : J5999-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SSSI-1116-S-AB-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

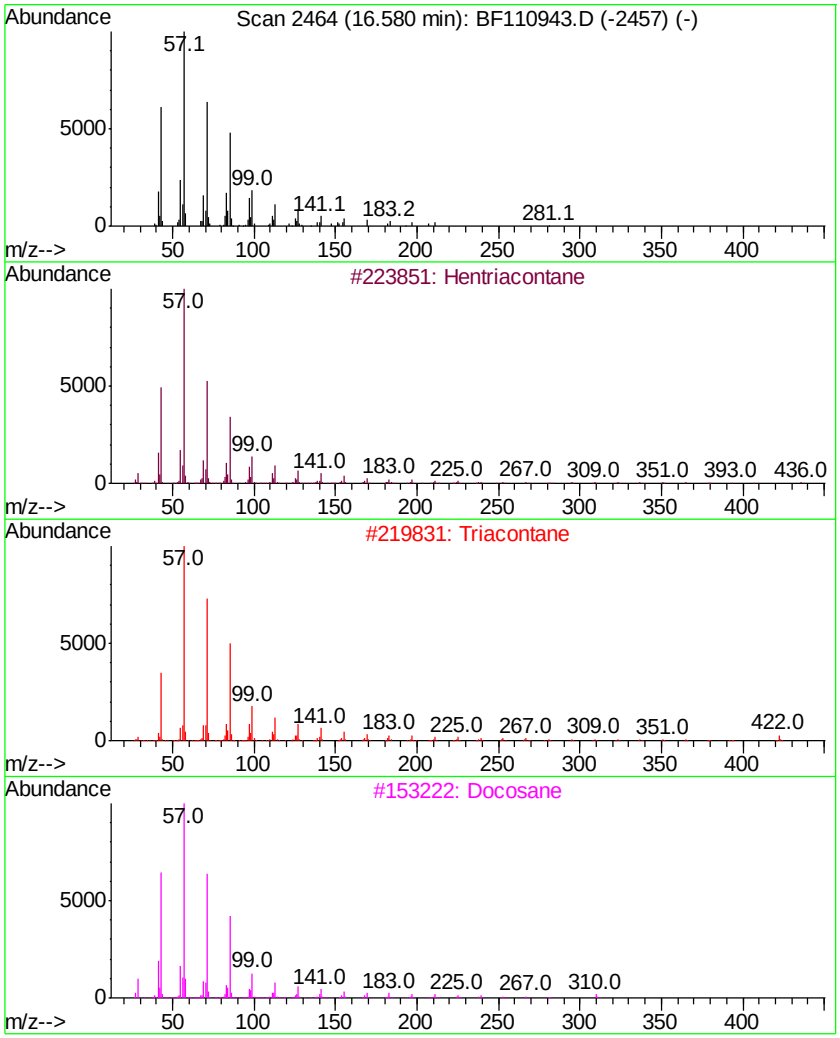
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

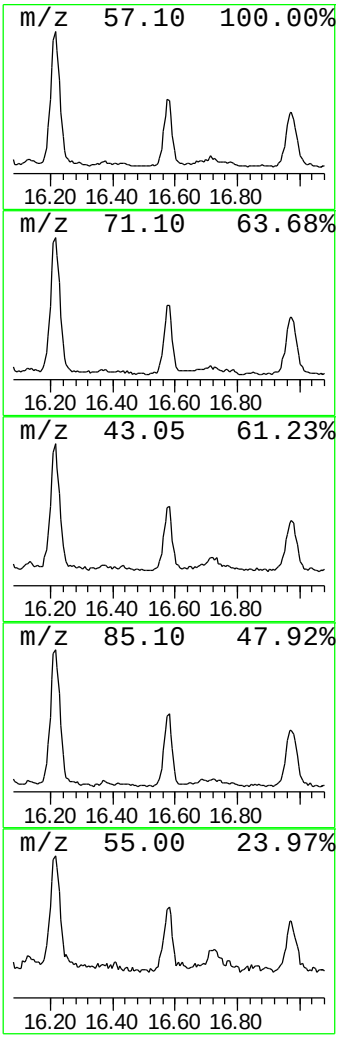
**********

Peak Number 18 Hentriacontane Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.58 | 10.89 ng | 241144 | Perylene-d12 | 15.66 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hentriacontane | 437 | C31H64 | 000630-04-6 | 91 |
| 2 | Triacontane | 422 | C30H62 | 000638-68-6 | 91 |
| 3 | Docosane | 310 | C22H46 | 000629-97-0 | 91 |
| 4 | Hexacosane | 366 | C26H54 | 000630-01-3 | 90 |
| 5 | Heneicosane | 296 | C21H44 | 000629-94-7 | 90 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112318\
Data File : BF110943.D
Acq On : 23 Nov 2018 14:51
Operator : JU/SJ
Sample : J5999-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SSSI-1116-S-AB-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

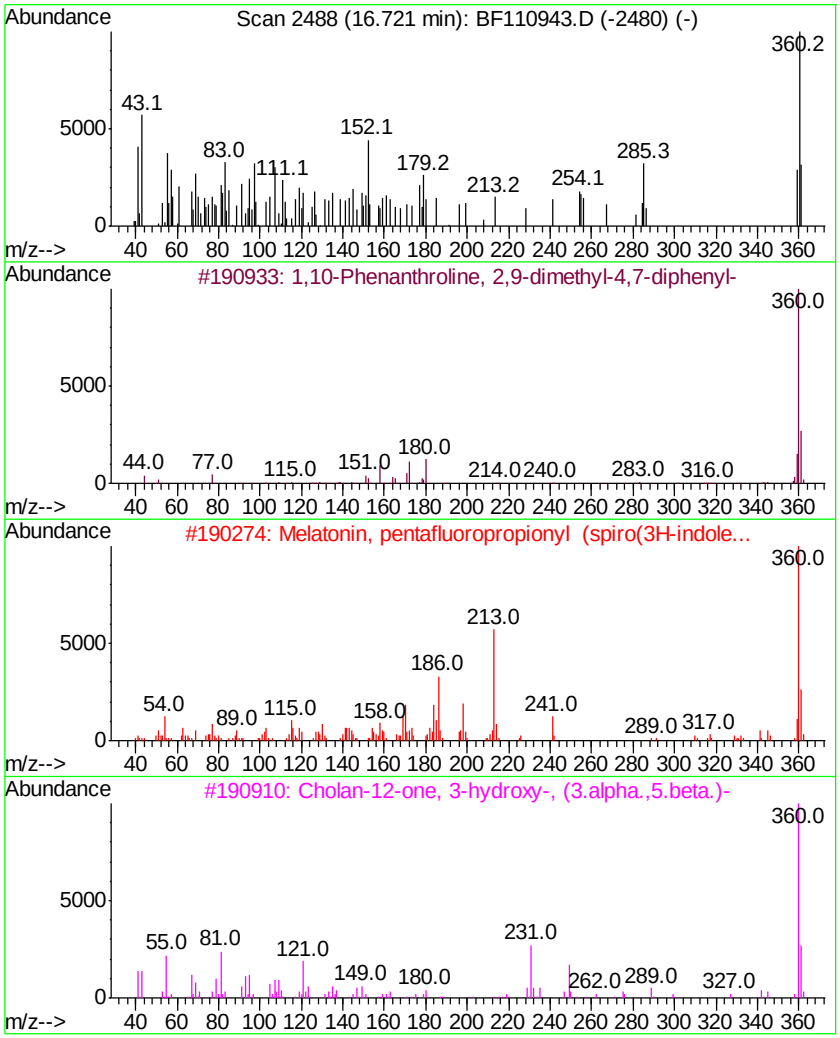
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

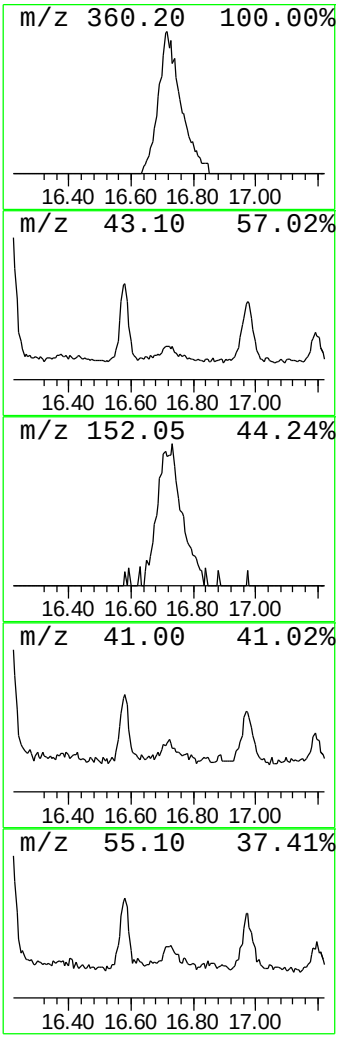
**********

Peak Number 19 unknown16.72 Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.72 | 9.27 ng | 205201 | Perylene-d12 | 15.66 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,10-Phenanthroline, 2,9-dimethy... | 360 | C26H20N2 | 004733-39-5 | 35 |
| 2 | Melatonin, pentafluoropropionyl ... | 360 | C16H13F5N2O2 | 066012-87-1 | 35 |
| 3 | Cholan-12-one, 3-hydroxy-, (3.al... | 360 | C24H40O2 | 054411-58-4 | 27 |
| 4 | 4-Allyl-2-methoxyphenyl 2,2,3,3,... | 360 | C14H11F7O3 | 1000366-95-1 | 10 |
| 5 | 1,2-Bis(3,4,5-trimethoxyphenyl)e... | 360 | C20H24O6 | 061240-22-0 | 9 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF112318\
Data File : BF110943.D
Acq On : 23 Nov 2018 14:51
Operator : JU/SJ
Sample : J5999-10
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SSSI-1116-S-AB-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.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... | 2.25 | 8.2 | ng | 165023 | 1 | 6.93 | 402084 | 20.0 |
| unknown6.70 | 6.70 | 87.8 | ng | 1764510 | 1 | 6.93 | 402084 | 20.0 |
| n-Hexadecanoic acid | 11.98 | 36.4 | ng | 1018940 | 4 | 11.47 | 560133 | 20.0 |
| Heptacosane | 12.50 | 11.6 | ng | 324636 | 4 | 11.47 | 560133 | 20.0 |
| Octadecanoic acid | 12.76 | 44.9 | ng | 1257080 | 4 | 11.47 | 560133 | 20.0 |
| 9-Octadecenamide,... | 13.27 | 11.8 | ng | 257498 | 5 | 14.13 | 437699 | 20.0 |
| Heneicosane | 14.48 | 63.5 | ng | 1389340 | 5 | 14.13 | 437699 | 20.0 |
| Hexacosane | 14.86 | 12.4 | ng | 270985 | 5 | 14.13 | 437699 | 20.0 |
| Heptadecane, 9-oc... | 15.21 | 14.6 | ng | 322039 | 6 | 15.66 | 442709 | 20.0 |
| Octacosane | 15.56 | 45.8 | ng | 1014450 | 6 | 15.66 | 442709 | 20.0 |
| 2-methyloctacosane | 15.60 | 16.4 | ng | 363841 | 6 | 15.66 | 442709 | 20.0 |
| Hentriacontane | 16.58 | 10.9 | ng | 241144 | 6 | 15.66 | 442709 | 20.0 |
| unknown16.72 | 16.72 | 9.3 | ng | 205201 | 6 | 15.66 | 442709 | 20.0 |