LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111319\
Data File : BM023714.D
Acq On : 14 Nov 2019 01:31
Operator : JU
Sample : K5678-21
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** JLMM1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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_M\METHODS\SOM-EPA-BM111119MA.M
Title : SVOA CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.069 | 28 | 31 | 46 | rVB | 114524 | 208788 | 1.22% | 0.105% |
| 2 | 3.705 | 136 | 139 | 144 | rVB3 | 16874 | 24245 | 0.14% | 0.012% |
| 3 | 3.787 | 150 | 153 | 157 | rVB | 17243 | 20188 | 0.12% | 0.010% |
| 4 | 4.716 | 304 | 311 | 316 | rBV4 | 22858 | 52653 | 0.31% | 0.027% |
| 5 | 6.734 | 646 | 654 | 671 | rBV | 2709835 | 4360100 | 25.39% | 2.199% |
| 6 | 6.887 | 674 | 680 | 696 | rVB | 2017687 | 3189599 | 18.58% | 1.609% |
| 7 | 7.081 | 705 | 713 | 723 | rBV | 2659795 | 4259114 | 24.80% | 2.148% |
| 8 | 7.540 | 783 | 791 | 800 | rBV | 1471347 | 2266413 | 13.20% | 1.143% |
| 9 | 7.622 | 800 | 805 | 810 | rVB2 | 18086 | 27375 | 0.16% | 0.014% |
| 10 | 8.263 | 906 | 914 | 925 | rBV | 3689097 | 6012391 | 35.01% | 3.033% |
| 11 | 8.692 | 979 | 987 | 999 | rBV | 2736673 | 4388458 | 25.56% | 2.213% |
| 12 | 8.845 | 1006 | 1013 | 1021 | rVB8 | 14877 | 31624 | 0.18% | 0.016% |
| 13 | 9.145 | 1057 | 1064 | 1069 | rBV2 | 36013 | 54506 | 0.32% | 0.027% |
| 14 | 9.410 | 1101 | 1109 | 1117 | rBV | 2386360 | 3909786 | 22.77% | 1.972% |
| 15 | 9.592 | 1137 | 1140 | 1149 | rVV4 | 15895 | 33017 | 0.19% | 0.017% |
| 16 | 9.675 | 1149 | 1154 | 1159 | rVB7 | 13411 | 21985 | 0.13% | 0.011% |
| 17 | 9.951 | 1192 | 1201 | 1214 | rBV | 4022784 | 6797599 | 39.59% | 3.429% |
| 18 | 10.316 | 1255 | 1263 | 1272 | rBV | 2333582 | 3843645 | 22.38% | 1.939% |
| 19 | 10.457 | 1278 | 1287 | 1308 | rBV | 3741516 | 6516277 | 37.95% | 3.287% |
| 20 | 11.104 | 1390 | 1397 | 1399 | rBV8 | 14000 | 25763 | 0.15% | 0.013% |
| 21 | 11.139 | 1399 | 1403 | 1408 | rVB4 | 27963 | 47525 | 0.28% | 0.024% |
| 22 | 11.845 | 1517 | 1523 | 1527 | rBV2 | 21279 | 36306 | 0.21% | 0.018% |
| 23 | 11.916 | 1529 | 1535 | 1541 | rVB | 74908 | 120091 | 0.70% | 0.061% |
| 24 | 12.492 | 1625 | 1633 | 1636 | rBV7 | 9736 | 18060 | 0.11% | 0.009% |
| 25 | 12.551 | 1638 | 1643 | 1648 | rBV3 | 19741 | 32634 | 0.19% | 0.016% |
| 26 | 12.810 | 1682 | 1687 | 1691 | rVB | 19695 | 28648 | 0.17% | 0.014% |
| 27 | 13.116 | 1735 | 1739 | 1744 | rVV5 | 17299 | 31171 | 0.18% | 0.016% |
| 28 | 13.345 | 1772 | 1778 | 1789 | rBV2 | 18792 | 41400 | 0.24% | 0.021% |
| 29 | 13.622 | 1818 | 1825 | 1829 | rVV | 7216793 | 10279729 | 59.87% | 5.185% |
| 30 | 13.663 | 1829 | 1832 | 1843 | rVV | 839937 | 1189368 | 6.93% | 0.600% |
| 31 | 13.751 | 1843 | 1847 | 1851 | rVB5 | 10749 | 17702 | 0.10% | 0.009% |
| 32 | 13.886 | 1862 | 1870 | 1883 | rBV | 8835781 | 13064662 | 76.08% | 6.590% |
| 33 | 14.127 | 1906 | 1911 | 1914 | rVB4 | 13774 | 21922 | 0.13% | 0.011% |
| 34 | 14.198 | 1914 | 1923 | 1932 | rBV | 4217653 | 6132849 | 35.72% | 3.093% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111319\
Data File : BM023714.D
Acq On : 14 Nov 2019 01:31
Operator : JU
Sample : K5678-21
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** JLMM1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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_M\METHODS\SOM-EPA-BM111119MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 14.427 | 1955 | 1962 | 1980 | rBV | 3013512 | 4710373 | 27.43% | 2.376% |
| 36 | 14.574 | 1982 | 1987 | 1991 | rVV7 | 24774 | 49684 | 0.29% | 0.025% |
| 37 | 14.633 | 1991 | 1997 | 2006 | rVV4 | 146387 | 272353 | 1.59% | 0.137% |
| 38 | 14.745 | 2009 | 2016 | 2020 | rVV7 | 13546 | 33223 | 0.19% | 0.017% |
| 39 | 15.027 | 2059 | 2064 | 2070 | rBV2 | 110479 | 175212 | 1.02% | 0.088% |
| 40 | 15.080 | 2070 | 2073 | 2077 | rVB2 | 22126 | 30592 | 0.18% | 0.015% |
| 41 | 15.198 | 2086 | 2093 | 2106 | rBV | 10948584 | 15910512 | 92.66% | 8.025% |
| 42 | 15.327 | 2109 | 2115 | 2126 | rBV | 3037744 | 4278916 | 24.92% | 2.158% |
| 43 | 15.433 | 2129 | 2133 | 2140 | rVB2 | 134212 | 202888 | 1.18% | 0.102% |
| 44 | 15.763 | 2186 | 2189 | 2199 | rBV2 | 21565 | 48568 | 0.28% | 0.024% |
| 45 | 15.892 | 2208 | 2211 | 2217 | rVB5 | 16153 | 22302 | 0.13% | 0.011% |
| 46 | 15.945 | 2217 | 2220 | 2222 | rBV3 | 20895 | 24365 | 0.14% | 0.012% |
| 47 | 15.980 | 2222 | 2226 | 2228 | rVV2 | 52846 | 79138 | 0.46% | 0.040% |
| 48 | 16.010 | 2228 | 2231 | 2242 | rVV | 123318 | 204025 | 1.19% | 0.103% |
| 49 | 16.110 | 2245 | 2248 | 2255 | rVB8 | 21732 | 32916 | 0.19% | 0.017% |
| 50 | 16.221 | 2262 | 2267 | 2273 | rBV | 171192 | 234955 | 1.37% | 0.119% |
| 51 | 16.333 | 2277 | 2286 | 2288 | rBV | 98823 | 167098 | 0.97% | 0.084% |
| 52 | 16.433 | 2299 | 2303 | 2307 | rVB2 | 31412 | 47442 | 0.28% | 0.024% |
| 53 | 16.627 | 2328 | 2336 | 2340 | rBV4 | 30754 | 62430 | 0.36% | 0.031% |
| 54 | 16.733 | 2349 | 2354 | 2362 | rBV4 | 92276 | 149994 | 0.87% | 0.076% |
| 55 | 16.945 | 2384 | 2390 | 2397 | rBV | 5004098 | 7173665 | 41.78% | 3.618% |
| 56 | 17.045 | 2400 | 2407 | 2416 | rBV | 11709332 | 16894777 | 98.39% | 8.521% |
| 57 | 17.157 | 2422 | 2426 | 2430 | rBV7 | 31277 | 43174 | 0.25% | 0.022% |
| 58 | 17.357 | 2456 | 2460 | 2470 | rVB2 | 95559 | 135650 | 0.79% | 0.068% |
| 59 | 17.639 | 2504 | 2508 | 2517 | rVB8 | 46521 | 93987 | 0.55% | 0.047% |
| 60 | 17.874 | 2543 | 2548 | 2555 | rBV | 681728 | 1022623 | 5.96% | 0.516% |
| 61 | 18.304 | 2617 | 2621 | 2627 | rBV2 | 125270 | 158577 | 0.92% | 0.080% |
| 62 | 18.809 | 2705 | 2707 | 2710 | rVB3 | 56576 | 56568 | 0.33% | 0.029% |
| 63 | 18.980 | 2733 | 2736 | 2741 | rBV | 134456 | 183414 | 1.07% | 0.093% |
| 64 | 19.162 | 2764 | 2767 | 2772 | rBV4 | 78647 | 104018 | 0.61% | 0.052% |
| 65 | 19.315 | 2787 | 2793 | 2795 | rBV | 7677524 | 9480767 | 55.21% | 4.782% |
| 66 | 19.351 | 2795 | 2799 | 2805 | rVB | 13053187 | 17171442 | 100.00% | 8.661% |
| 67 | 20.362 | 2967 | 2971 | 2977 | rBV | 7551687 | 8670118 | 50.49% | 4.373% |
| 68 | 20.839 | 3047 | 3052 | 3056 | rBV | 918506 | 1519054 | 8.85% | 0.766% |
| 69 | 20.886 | 3056 | 3060 | 3065 | rVV2 | 3891804 | 5170466 | 30.11% | 2.608% |
| 70 | 20.939 | 3065 | 3069 | 3075 | rVB | 2085542 | 2341046 | 13.63% | 1.181% |
| 71 | 21.145 | 3100 | 3104 | 3111 | rBV | 4584060 | 6016925 | 35.04% | 3.035% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111319\
Data File : BM023714.D
Acq On : 14 Nov 2019 01:31
Operator : JU
Sample : K5678-21
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** JLMM1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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_M\METHODS\SOM-EPA-BM111119MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 21.327 | 3133 | 3135 | 3138 | rVB | 340035 | 314942 | 1.83% | 0.159% |
| 73 | 23.174 | 3443 | 3449 | 3455 | rBV | 7236254 | 12528082 | 72.96% | 6.319% |
| 74 | 23.309 | 3467 | 3472 | 3480 | rVB | 3015437 | 5341634 | 31.11% | 2.694% |

Sum of corrected areas: 198263508

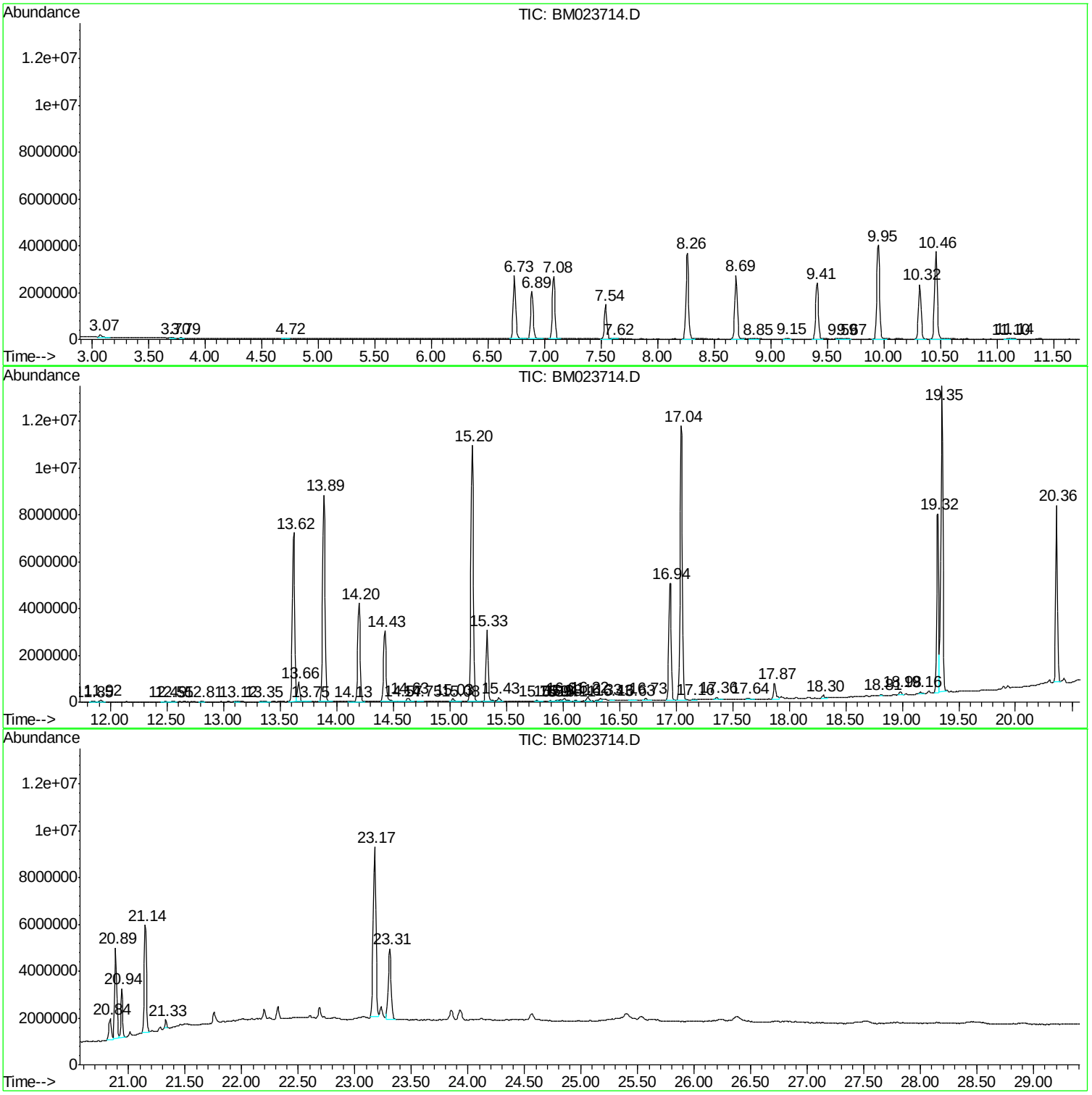
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111319\
Data File : BM023714.D
Acq On : 14 Nov 2019 01:31
Operator : JU
Sample : K5678-21
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** JLMM1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

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



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111319\
Data File : BM023714.D
Acq On : 14 Nov 2019 01:31
Operator : JU
Sample : K5678-21
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** JLMM1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

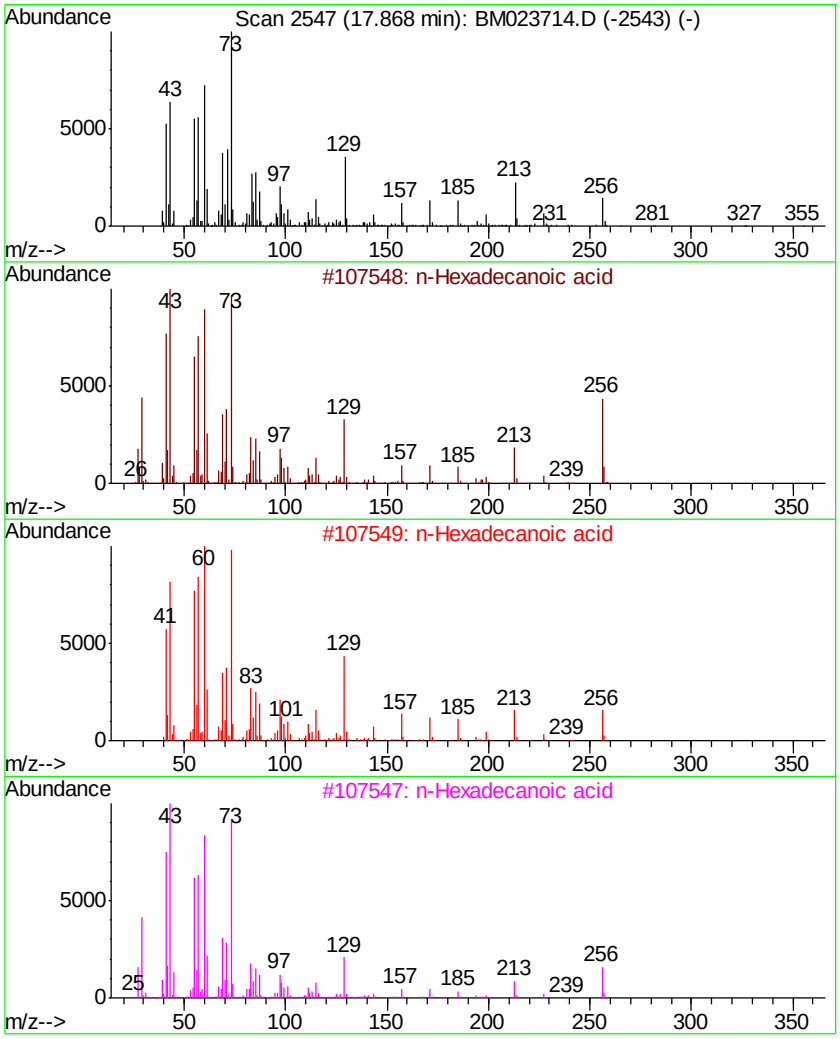
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

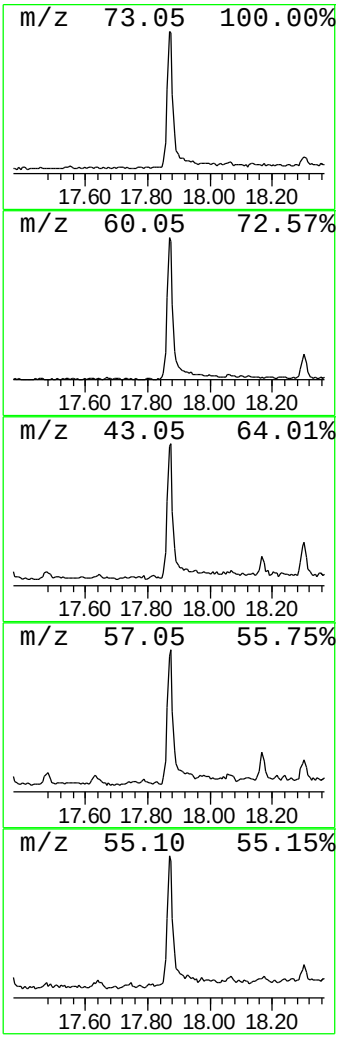
**********

Peak Number 1 n-Hexadecanoic acid Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.87 | 2.85 ng/ul | 1022620 | Phenanthrene-d10 | 16.94 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 98 |
| 2 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 97 |
| 3 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 97 |
| 4 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 90 |
| 5 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 70 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111319\
Data File : BM023714.D
Acq On : 14 Nov 2019 01:31
Operator : JU
Sample : K5678-21
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** JLMM1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

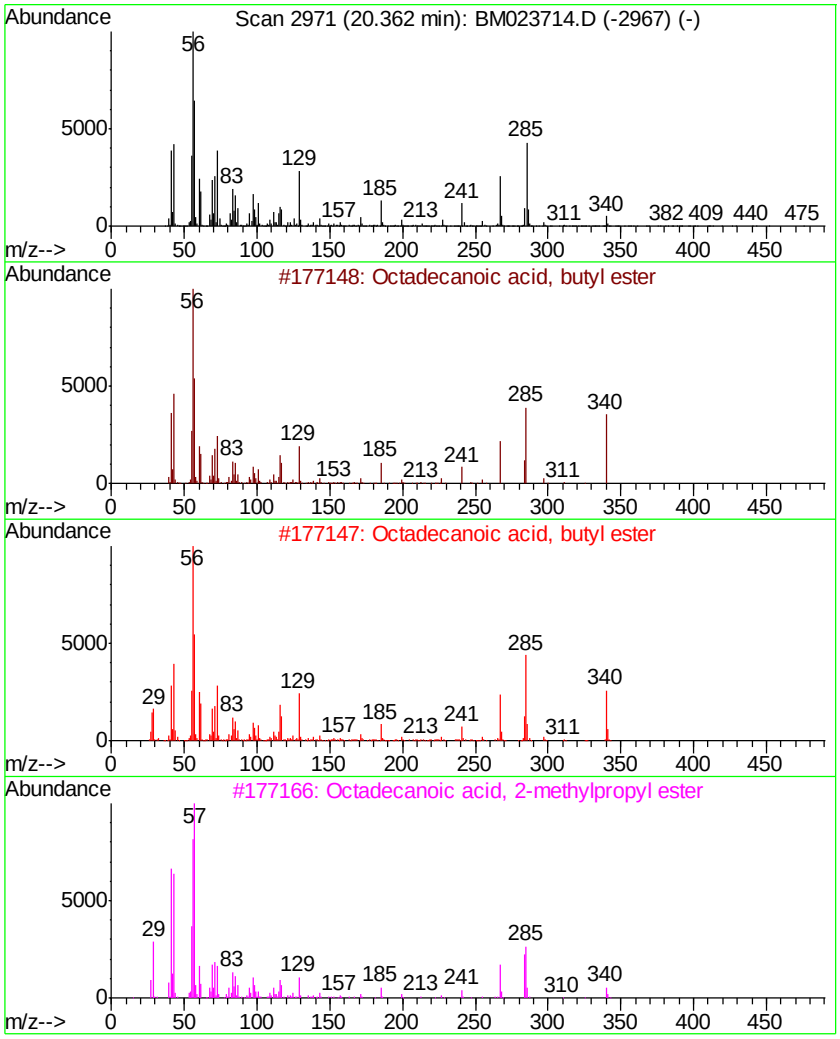
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

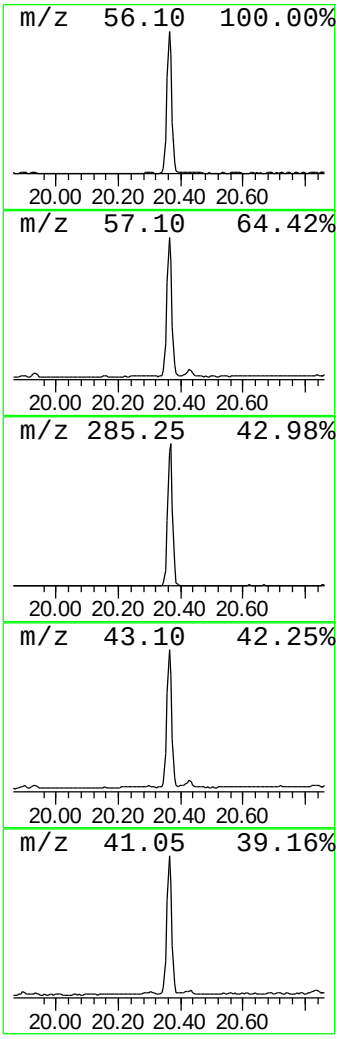
**********

Peak Number 2 Octadecanoic acid, butyl ester Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.36 | 28.82 ng/ul | 8670120 | Chrysene-d12 | 21.14 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecanoic acid, butyl ester | 340 | C22H44O2 | 000123-95-5 | 90 |
| 2 | Octadecanoic acid, butyl ester | 340 | C22H44O2 | 000123-95-5 | 90 |
| 3 | Octadecanoic acid, 2-methylpropy... | 340 | C22H44O2 | 000646-13-9 | 62 |
| 4 | Nipecotic acid | 129 | C6H11NO2 | 000498-95-3 | 35 |
| 5 | Butyl myristate | 284 | C18H36O2 | 000110-36-1 | 32 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111319\
Data File : BM023714.D
Acq On : 14 Nov 2019 01:31
Operator : JU
Sample : K5678-21
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** JLMM1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

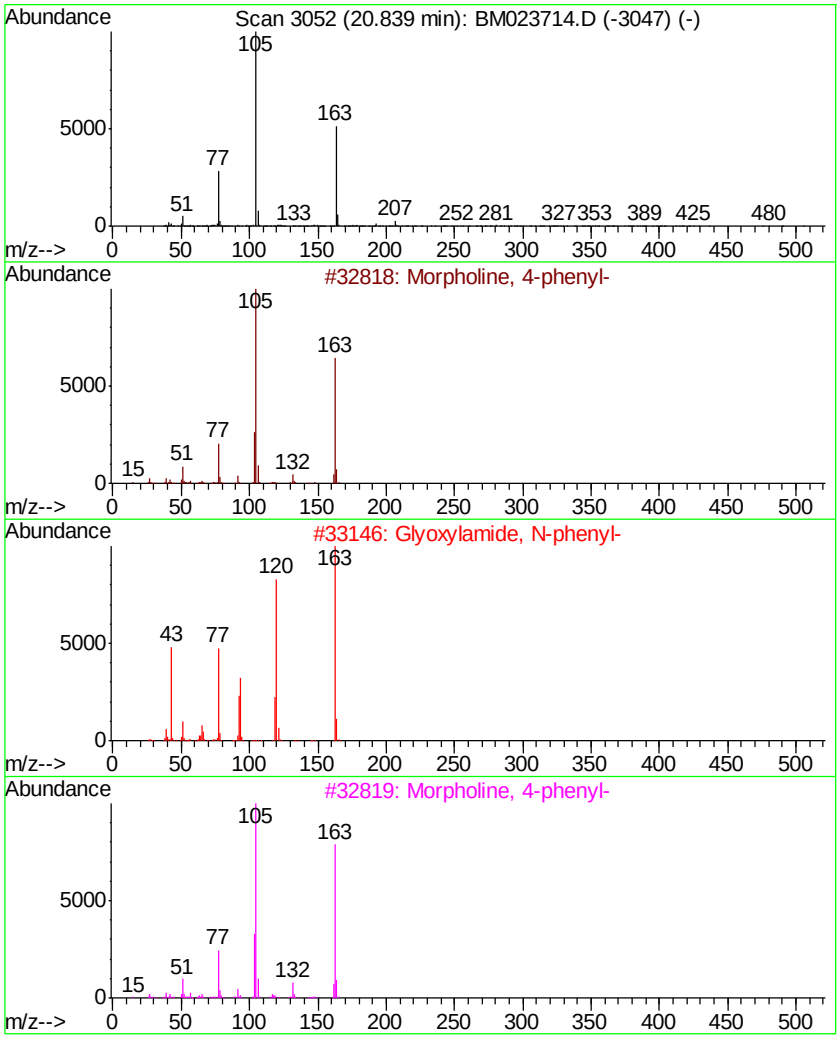
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

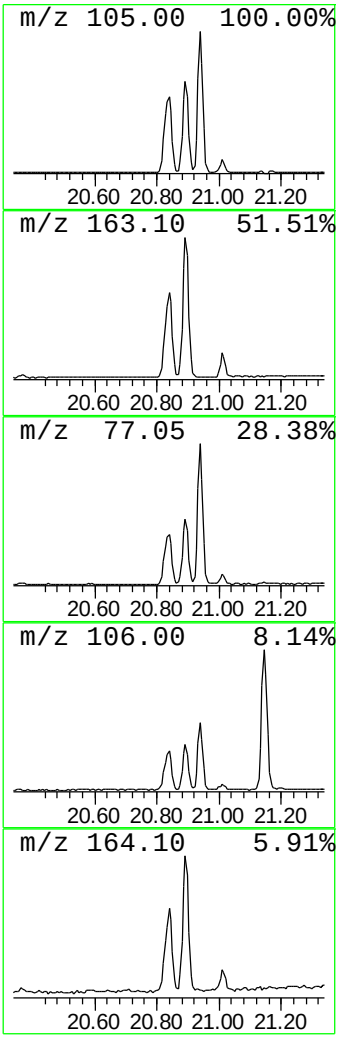
**********

Peak Number 3 Morpholine, 4-phenyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.84 | 5.05 ng/ul | 1519050 | Chrysene-d12 | 21.14 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Morpholine, 4-phenyl- | 163 | C10H13NO | 000092-53-5 | 50 |
| 2 | Glyoxylamide, N-phenyl- | 163 | C9H9NO2 | 032331-52-5 | 47 |
| 3 | Morpholine, 4-phenyl- | 163 | C10H13NO | 000092-53-5 | 40 |
| 4 | (3-Phenyloxiran-2-yl)methyl benz... | 254 | C16H14O3 | 1000366-96-1 | 39 |
| 5 | .delta.2-1,3,4-Oxadiazolin-5-one... | 163 | C7H5N3O2 | 002845-82-1 | 32 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111319\
Data File : BM023714.D
Acq On : 14 Nov 2019 01:31
Operator : JU
Sample : K5678-21
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** JLMM1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

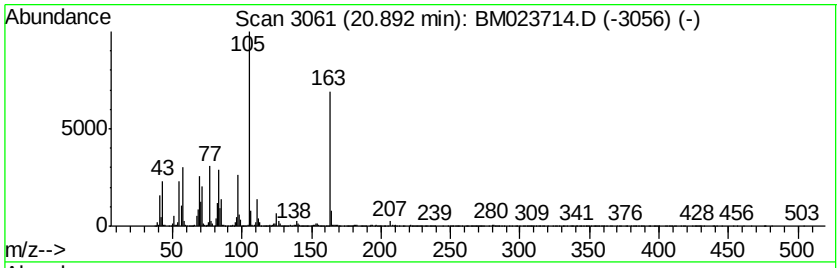
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

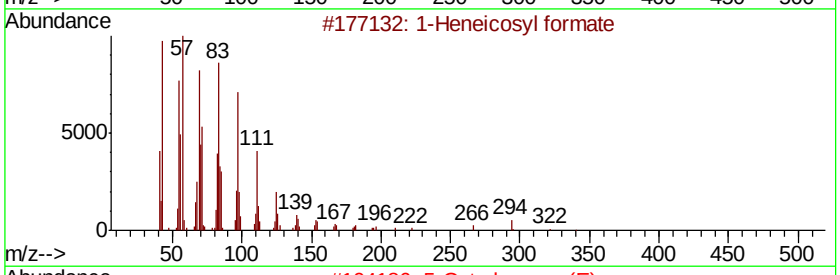
**********

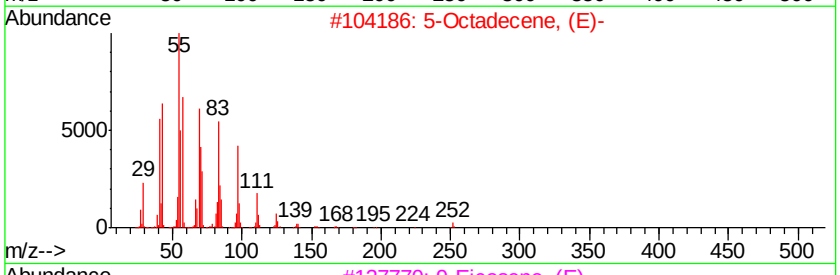
Peak Number 4 1-Heneicosyl formate Concentration Rank 2

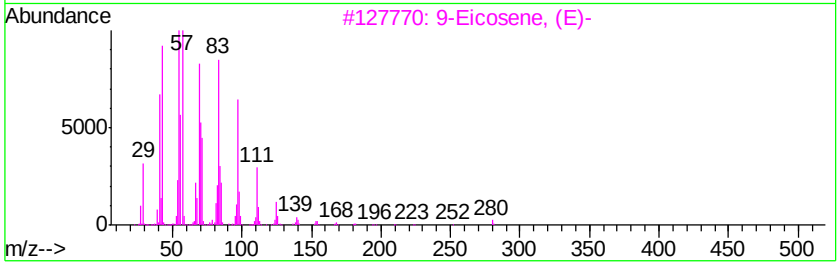
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.89 | 17.19 ng/ul | 5170470 | Chrysene-d12 | 21.14 |

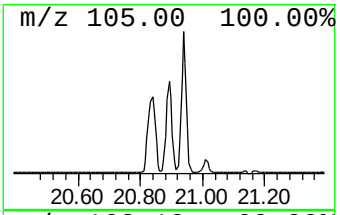
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Heneicosyl formate | 340 | C22H44O2 | 077899-03-7 | 94 |
| 2 | 5-Octadecene, (E)- | 252 | C18H36 | 007206-21-5 | 91 |
| 3 | 9-Eicosene, (E)- | 280 | C20H40 | 074685-29-3 | 91 |
| 4 | Dichloroacetic acid, heptadecyl ... | 366 | C19H36Cl2O2 | 1000282-98-2 | 89 |
| 5 | Behenic alcohol | 326 | C22H46O | 000661-19-8 | 86 |

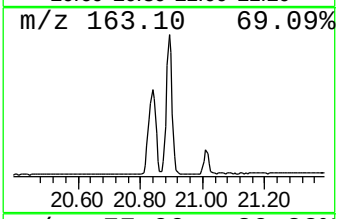


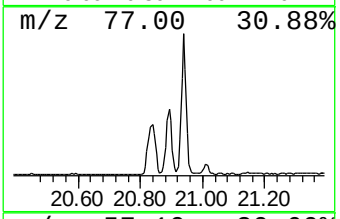



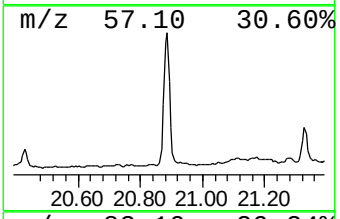



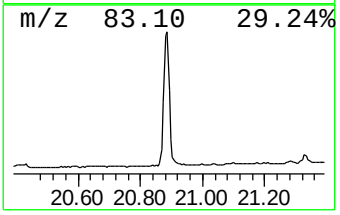



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111319\
Data File : BM023714.D
Acq On : 14 Nov 2019 01:31
Operator : JU
Sample : K5678-21
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** JLMM1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

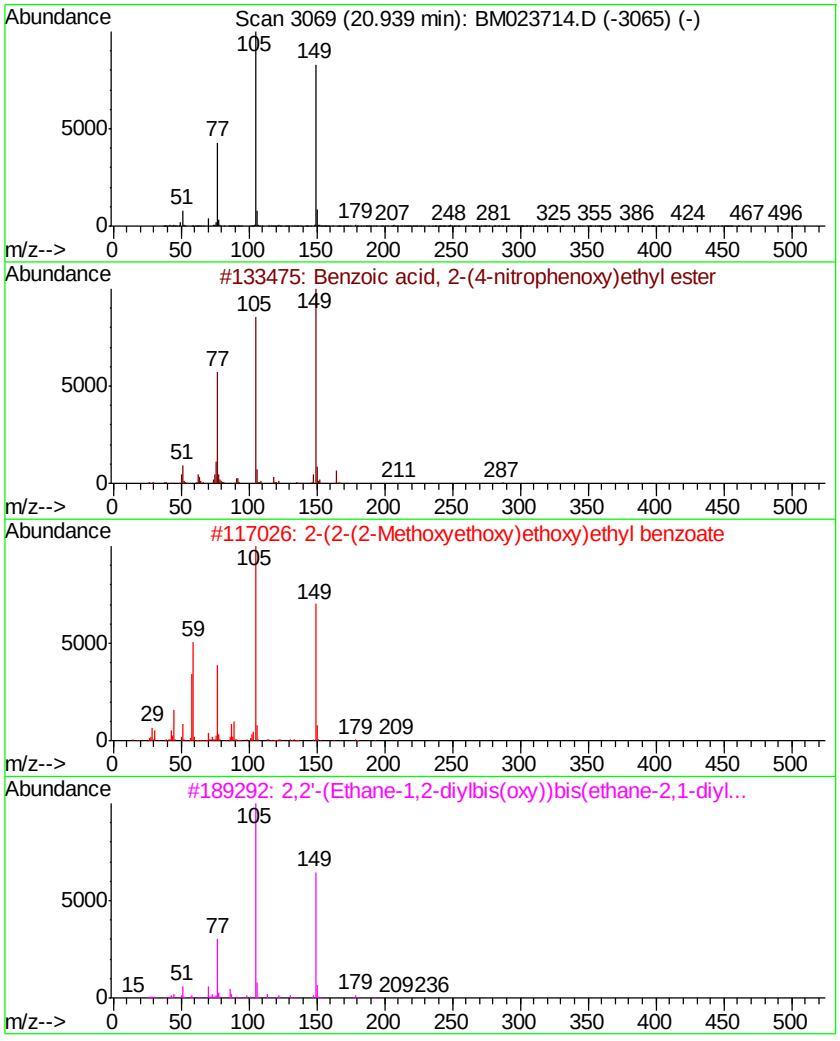
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

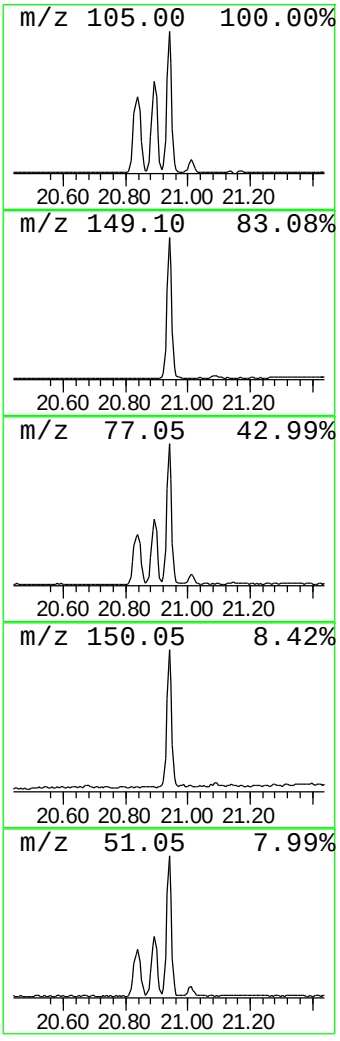
**********

Peak Number 5 Benzoic acid, 2-(4-nitrophe... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.94 | 7.78 ng/ul | 2341050 | Chrysene-d12 | 21.14 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzoic acid, 2-(4-nitrophenoxy)... | 287 | C15H13NO5 | 1000368-92-7 | 78 |
| 2 | 2-(2-(2-Methoxyethoxy)ethoxy)eth... | 268 | C14H20O5 | 1000366-99-1 | 74 |
| 3 | 2,2'-(Ethane-1,2-diylbis(oxy))bi... | 358 | C20H22O6 | 1000366-99-4 | 74 |
| 4 | Diethylene glycol dibenzoate | 314 | C18H18O5 | 000120-55-8 | 74 |
| 5 | Diethylene glycol dibenzoate | 314 | C18H18O5 | 000120-55-8 | 72 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM111319\
Data File : BM023714.D
Acq On : 14 Nov 2019 01:31
Operator : JU
Sample : K5678-21
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** JLMM1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA 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 |
| n-Hexadecanoic acid | 17.87 | 2.9 | ng/ul | 1022620 | 4 | 16.94 | 7173670 | 20.0 |
| Octadecanoic acid... | 20.36 | 28.8 | ng/ul | 8670120 | 5 | 21.14 | 6016930 | 20.0 |
| Morpholine, 4-phe... | 20.84 | 5.0 | ng/ul | 1519050 | 5 | 21.14 | 6016930 | 20.0 |
| 1-Heneicosyl formate | 20.89 | 17.2 | ng/ul | 5170470 | 5 | 21.14 | 6016930 | 20.0 |
| Benzoic acid, 2-(... | 20.94 | 7.8 | ng/ul | 2341050 | 5 | 21.14 | 6016930 | 20.0 |