LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072718\
Data File : BM016097.D
Acq On : 27 Jul 2018 11:43
Operator : SJ/JU
Sample : J4172-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0D03

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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-BM071318MA.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 | 3.463 | 27 | 30 | 40 | rVB | 13786 | 20414 | 1.74% | 0.126% |
| 2 | 4.146 | 138 | 146 | 154 | rVB3 | 11516 | 19271 | 1.65% | 0.119% |
| 3 | 7.363 | 687 | 693 | 711 | rBV | 216050 | 389829 | 33.32% | 2.408% |
| 4 | 7.528 | 715 | 721 | 734 | rVV | 185262 | 286329 | 24.47% | 1.769% |
| 5 | 7.728 | 750 | 755 | 772 | rBB | 221650 | 381179 | 32.58% | 2.355% |
| 6 | 8.204 | 830 | 836 | 849 | rBB | 260982 | 431590 | 36.89% | 2.666% |
| 7 | 8.922 | 952 | 958 | 973 | rBV | 269253 | 458162 | 39.16% | 2.831% |
| 8 | 9.392 | 1032 | 1038 | 1059 | rBB | 236330 | 422048 | 36.07% | 2.607% |
| 9 | 10.116 | 1155 | 1161 | 1174 | rBB | 145445 | 262057 | 22.40% | 1.619% |
| 10 | 10.651 | 1247 | 1252 | 1266 | rBV2 | 218490 | 396612 | 33.90% | 2.450% |
| 11 | 11.022 | 1309 | 1315 | 1324 | rBV | 347877 | 585097 | 50.01% | 3.615% |
| 12 | 11.169 | 1335 | 1340 | 1355 | rBV | 236402 | 445181 | 38.05% | 2.750% |
| 13 | 14.133 | 1839 | 1844 | 1849 | rBV2 | 82955 | 112171 | 9.59% | 0.693% |
| 14 | 14.233 | 1856 | 1861 | 1866 | rBV | 548028 | 728546 | 62.27% | 4.501% |
| 15 | 14.280 | 1866 | 1869 | 1877 | rVB | 47638 | 68137 | 5.82% | 0.421% |
| 16 | 14.527 | 1905 | 1911 | 1919 | rBV | 573183 | 826656 | 70.66% | 5.107% |
| 17 | 14.833 | 1956 | 1963 | 1970 | rBV2 | 445595 | 697910 | 59.65% | 4.312% |
| 18 | 14.898 | 1970 | 1974 | 1979 | rVB | 17364 | 24853 | 2.12% | 0.154% |
| 19 | 15.816 | 2124 | 2130 | 2137 | rBV | 705276 | 986133 | 84.29% | 6.092% |
| 20 | 15.874 | 2137 | 2140 | 2145 | rVB | 10633 | 12976 | 1.11% | 0.080% |
| 21 | 17.562 | 2421 | 2427 | 2431 | rBV | 510487 | 732026 | 62.57% | 4.522% |
| 22 | 17.604 | 2431 | 2434 | 2438 | rVV | 159895 | 204398 | 17.47% | 1.263% |
| 23 | 17.657 | 2438 | 2443 | 2455 | rVB | 684235 | 1039152 | 88.82% | 6.420% |
| 24 | 17.980 | 2492 | 2498 | 2507 | rVB3 | 11537 | 21595 | 1.85% | 0.133% |
| 25 | 18.404 | 2566 | 2570 | 2579 | rBV2 | 84955 | 139501 | 11.92% | 0.862% |
| 26 | 18.474 | 2579 | 2582 | 2588 | rVB2 | 20411 | 32447 | 2.77% | 0.200% |
| 27 | 18.627 | 2601 | 2608 | 2612 | rBV | 34908 | 60677 | 5.19% | 0.375% |
| 28 | 18.915 | 2653 | 2657 | 2661 | rBV2 | 12425 | 16654 | 1.42% | 0.103% |
| 29 | 19.515 | 2757 | 2759 | 2763 | rBV4 | 8689 | 15518 | 1.33% | 0.096% |
| 30 | 19.592 | 2767 | 2772 | 2779 | rVB | 357753 | 485701 | 41.51% | 3.001% |
| 31 | 19.656 | 2779 | 2783 | 2789 | rBV7 | 41063 | 58809 | 5.03% | 0.363% |
| 32 | 19.921 | 2822 | 2828 | 2831 | rBV | 849538 | 1169967 | 100.00% | 7.228% |
| 33 | 19.951 | 2831 | 2833 | 2841 | rVB | 293175 | 327925 | 28.03% | 2.026% |
| 34 | 20.021 | 2841 | 2845 | 2850 | rBV2 | 13489 | 23588 | 2.02% | 0.146% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072718\
Data File : BM016097.D
Acq On : 27 Jul 2018 11:43
Operator : SJ/JU
Sample : J4172-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0D03

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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-BM071318MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 20.127 | 2860 | 2863 | 2868 | rVB | 18277 | 20389 | 1.74% | 0.126% |
| 36 | 20.398 | 2906 | 2909 | 2912 | rBV4 | 30380 | 38523 | 3.29% | 0.238% |
| 37 | 20.433 | 2912 | 2915 | 2922 | rVB | 52864 | 72690 | 6.21% | 0.449% |
| 38 | 20.533 | 2928 | 2932 | 2936 | rBV | 42691 | 60091 | 5.14% | 0.371% |
| 39 | 20.886 | 2989 | 2992 | 2996 | rBV2 | 38164 | 40304 | 3.44% | 0.249% |
| 40 | 21.345 | 3066 | 3070 | 3078 | rBV4 | 101913 | 208637 | 17.83% | 1.289% |
| 41 | 21.680 | 3120 | 3127 | 3131 | rBV3 | 602986 | 1008284 | 86.18% | 6.229% |
| 42 | 21.715 | 3131 | 3133 | 3139 | rVB | 148375 | 183650 | 15.70% | 1.135% |
| 43 | 21.780 | 3141 | 3144 | 3150 | rVB | 64091 | 67850 | 5.80% | 0.419% |
| 44 | 21.839 | 3152 | 3154 | 3159 | rVB3 | 42178 | 40401 | 3.45% | 0.250% |
| 45 | 22.227 | 3217 | 3220 | 3223 | rBV | 61742 | 83785 | 7.16% | 0.518% |
| 46 | 22.721 | 3299 | 3304 | 3310 | rBV2 | 272930 | 434166 | 37.11% | 2.682% |
| 47 | 23.239 | 3388 | 3392 | 3397 | rVB3 | 88885 | 139311 | 11.91% | 0.861% |
| 48 | 23.327 | 3403 | 3407 | 3412 | rBV | 128964 | 272386 | 23.28% | 1.683% |
| 49 | 23.833 | 3489 | 3493 | 3497 | rBV2 | 136501 | 216990 | 18.55% | 1.341% |
| 50 | 23.891 | 3497 | 3503 | 3508 | rBV | 448399 | 824162 | 70.44% | 5.092% |
| 51 | 24.039 | 3523 | 3528 | 3535 | rVB | 332670 | 591710 | 50.57% | 3.656% |

Sum of corrected areas: 16186438

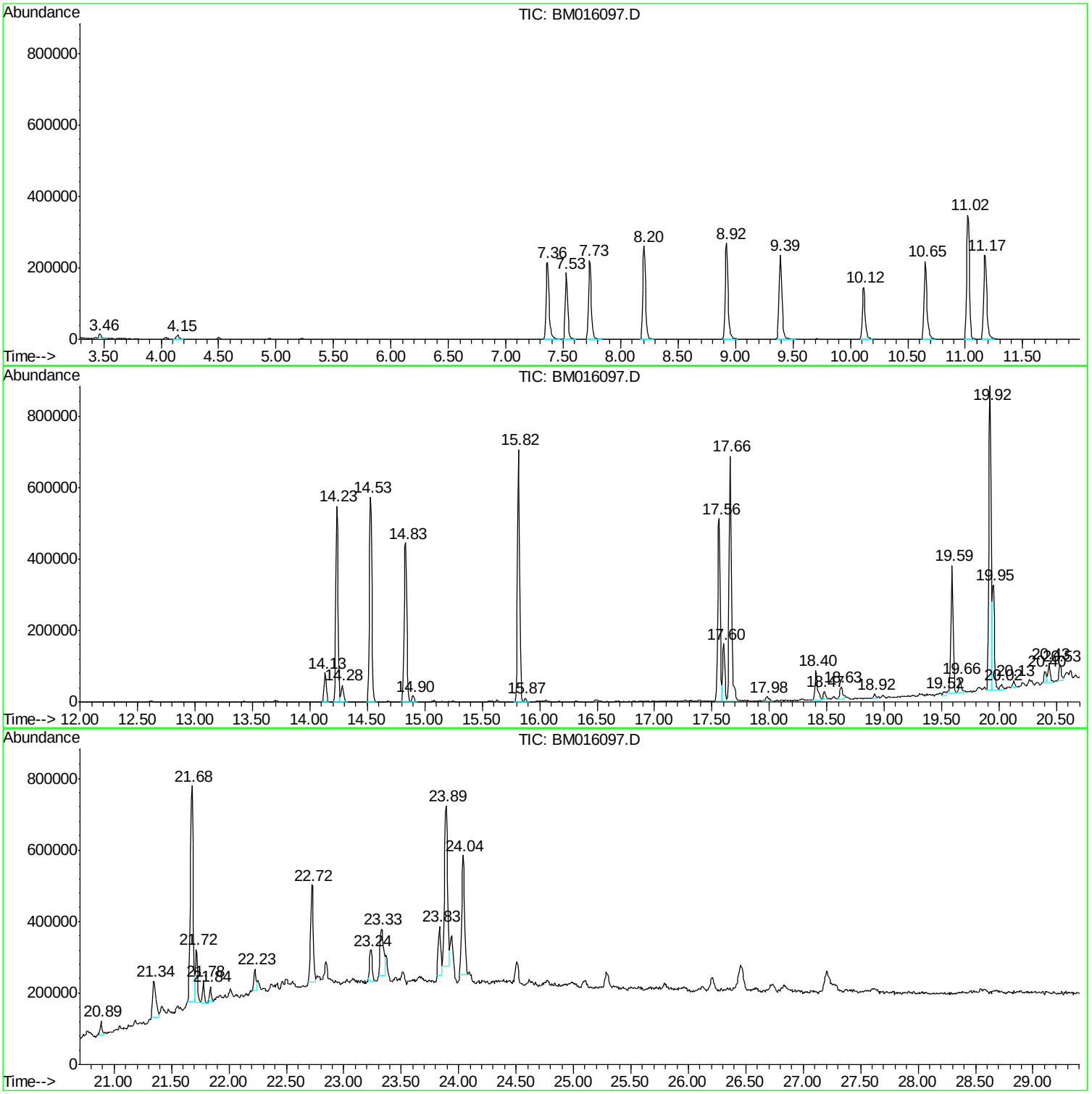
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072718\
Data File : BM016097.D
Acq On : 27 Jul 2018 11:43
Operator : SJ/JU
Sample : J4172-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0D03

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM071318MA.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\BM072718\
Data File : BM016097.D
Acq On : 27 Jul 2018 11:43
Operator : SJ/JU
Sample : J4172-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0D03

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM071318MA.M
Quant Title : SVOA CALIBRATION

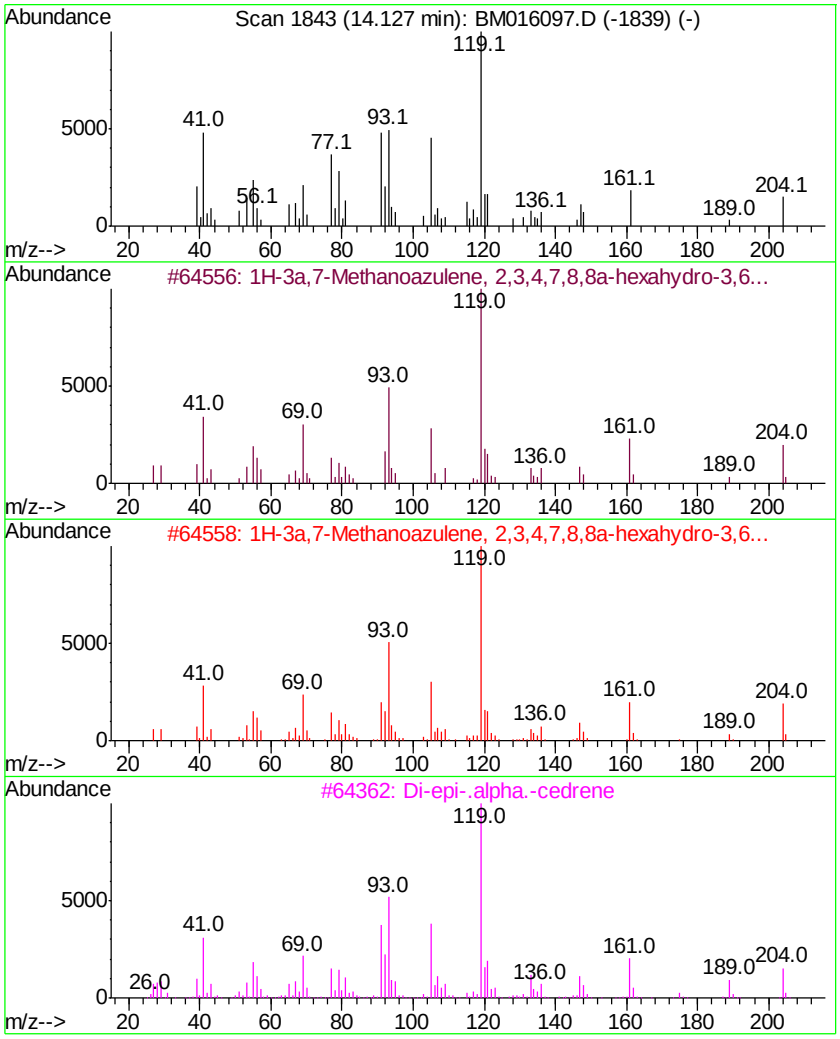
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

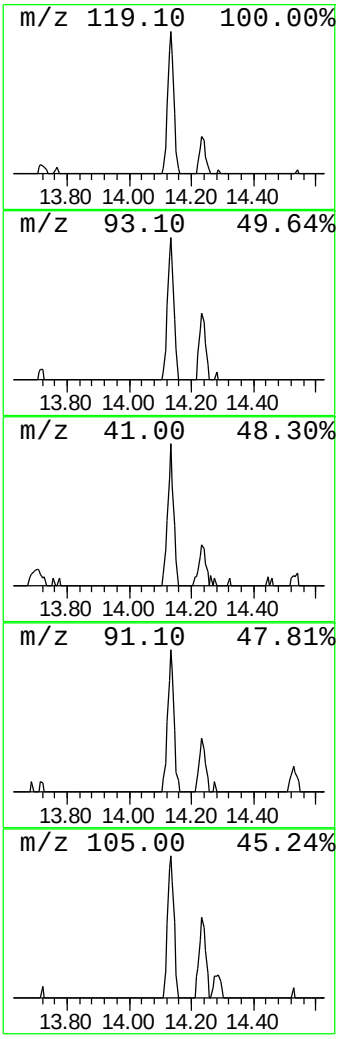
**********

Peak Number 1 1H-3a,7-Methanoazulene, 2,3... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.13 | 3.21 ng/ul | 112171 | Acenaphthene-d10 | 14.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-3a,7-Methanoazulene, 2,3,4,7,... | 204 | C15H24 | 000469-61-4 | 93 |
| 2 | 1H-3a,7-Methanoazulene, 2,3,4,7,... | 204 | C15H24 | 000469-61-4 | 93 |
| 3 | Di-epi-.alpha.-cedrene | 204 | C15H24 | 050894-66-1 | 90 |
| 4 | Copaene | 204 | C15H24 | 003856-25-5 | 49 |
| 5 | s-Triazolo[4,3-a]pyridine, 3,5,7... | 161 | C9H11N3 | 004919-15-7 | 47 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072718\
Data File : BM016097.D
Acq On : 27 Jul 2018 11:43
Operator : SJ/JU
Sample : J4172-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0D03

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM071318MA.M
Quant Title : SVOA CALIBRATION

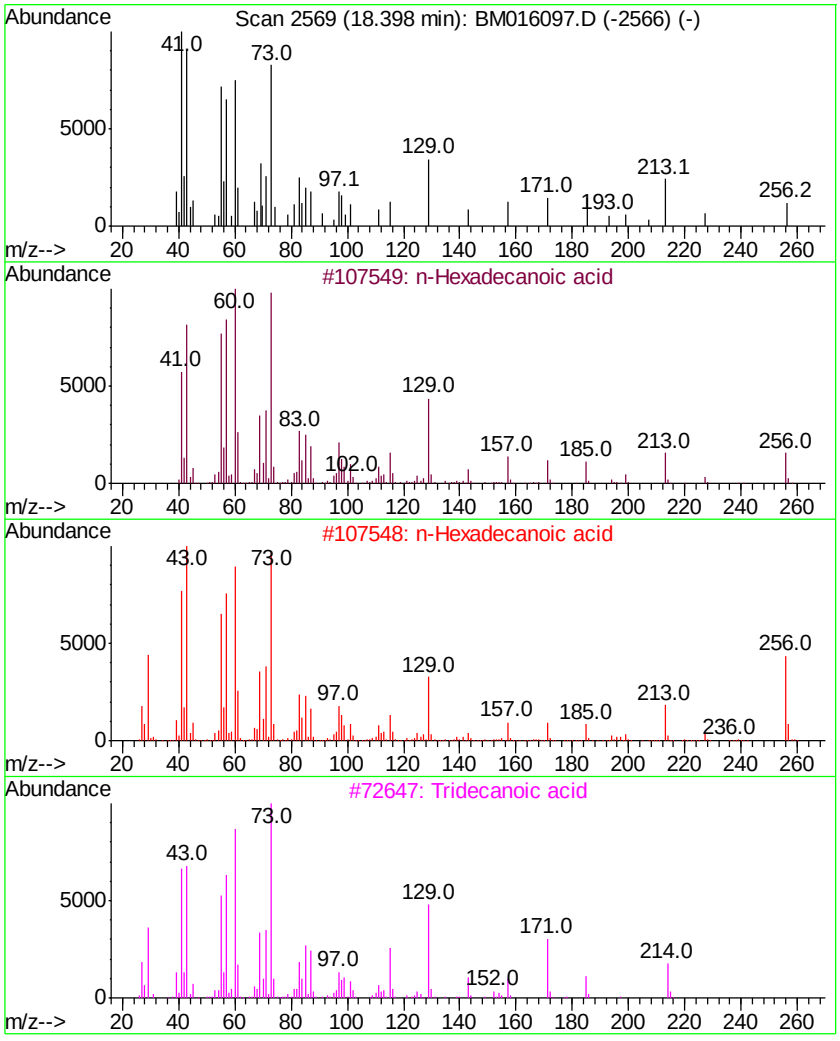
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

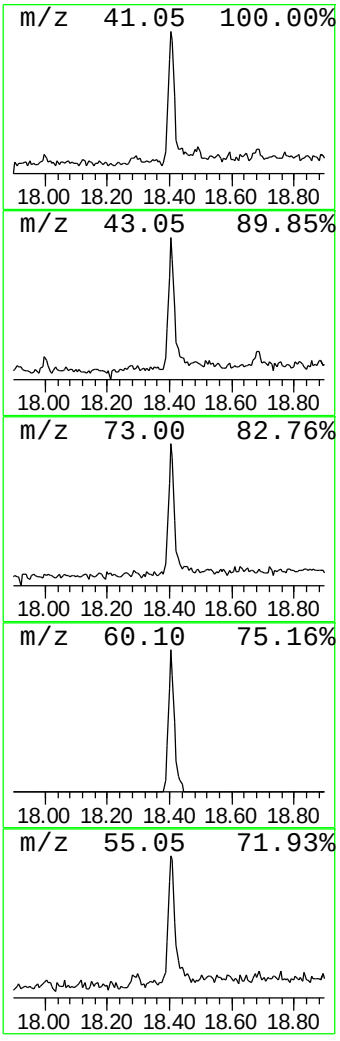
**********

Peak Number 2 n-Hexadecanoic acid Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.40 | 3.81 ng/ul | 139501 | Phenanthrene-d10 | 17.56 |

| 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 | 94 |
| 3 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 76 |
| 4 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 74 |
| 5 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 72 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072718\
Data File : BM016097.D
Acq On : 27 Jul 2018 11:43
Operator : SJ/JU
Sample : J4172-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0D03

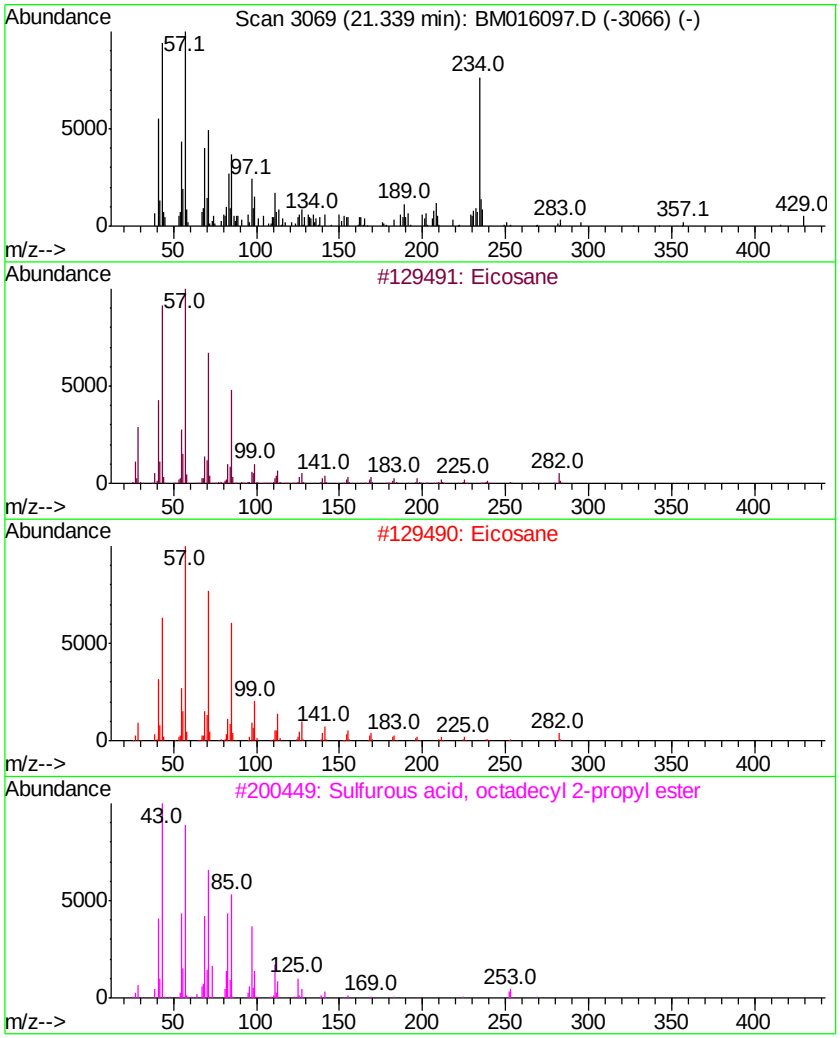
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM071318MA.M
Quant Title : SVOA CALIBRATION

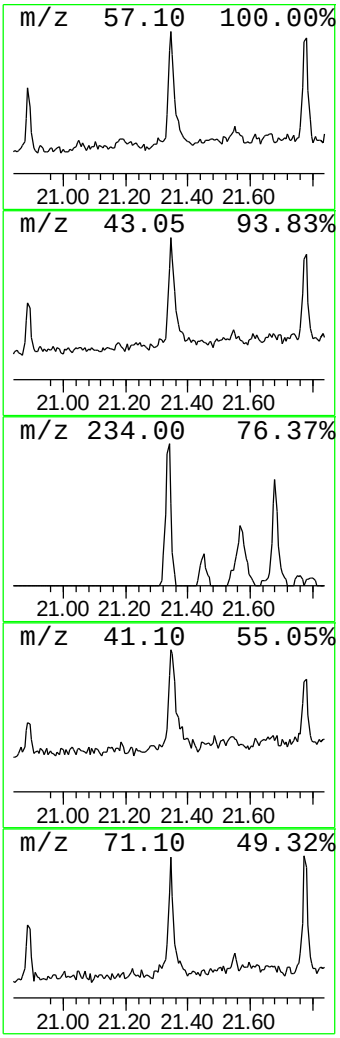
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.34 | 4.14 ng/ul | 208637 | Chrysene-d12 | 21.68 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosane | 282 | C20H42 | 000112-95-8 | 78 |
| 2 | Eicosane | 282 | C20H42 | 000112-95-8 | 60 |
| 3 | Sulfurous acid, octadecyl 2-prop... | 376 | C21H44O3S | 1000309-12-7 | 52 |
| 4 | Oxalic acid, cyclobutyl pentadec... | 354 | C21H38O4 | 1000309-70-5 | 52 |
| 5 | Oxalic acid, isobutyl pentadecyl... | 356 | C21H40O4 | 1000309-38-0 | 52 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072718\
Data File : BM016097.D
Acq On : 27 Jul 2018 11:43
Operator : SJ/JU
Sample : J4172-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0D03

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM071318MA.M
Quant Title : SVOA CALIBRATION

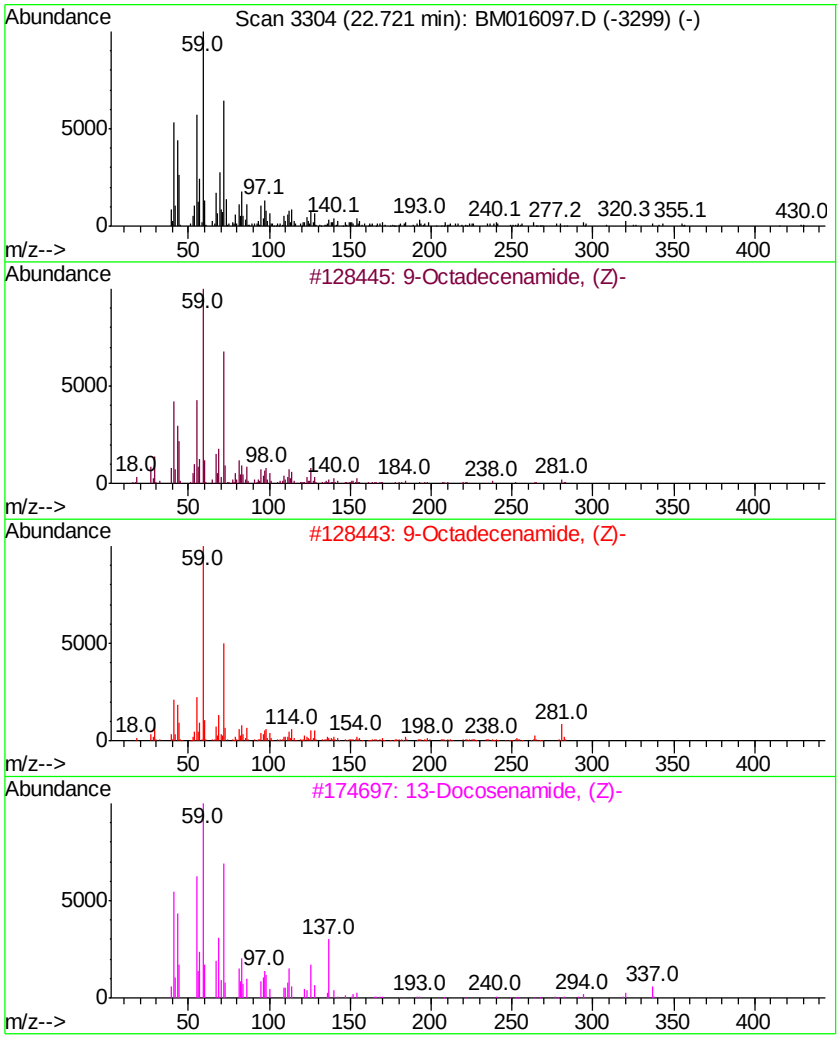
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

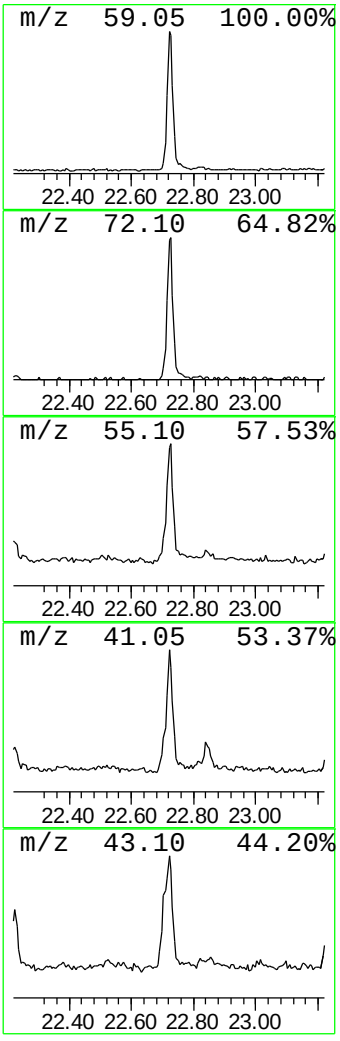
**********

Peak Number 4 9-Octadecenamide, (Z)- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.72 | 8.61 ng/ul | 434166 | Chrysene-d12 | 21.68 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9-Octadecenamide, (Z)- | 281 | C18H35NO | 000301-02-0 | 91 |
| 2 | 9-Octadecenamide, (Z)- | 281 | C18H35NO | 000301-02-0 | 74 |
| 3 | 13-Docosenamide, (Z)- | 337 | C22H43NO | 000112-84-5 | 70 |
| 4 | Heptanamide, 4-ethyl-5-methyl- | 171 | C10H21NO | 054789-40-1 | 64 |
| 5 | Dodecanamide | 199 | C12H25NO | 001120-16-7 | 53 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072718\
Data File : BM016097.D
Acq On : 27 Jul 2018 11:43
Operator : SJ/JU
Sample : J4172-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0D03

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM071318MA.M
Quant Title : SVOA CALIBRATION

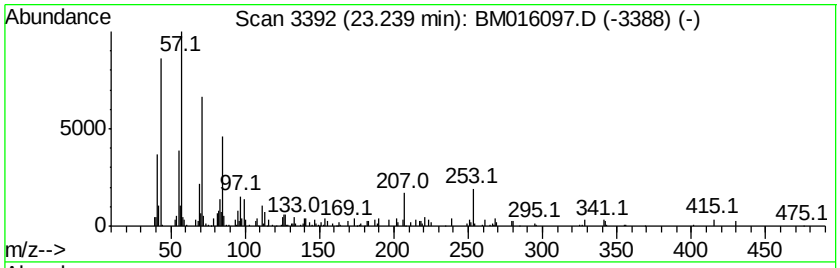
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

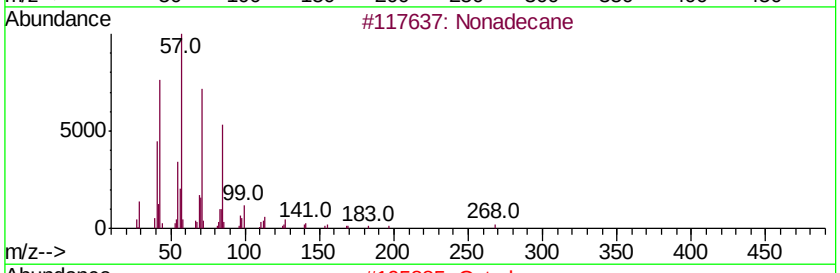
**********

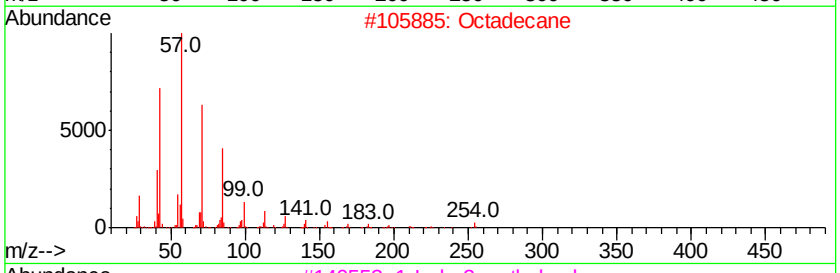
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 3

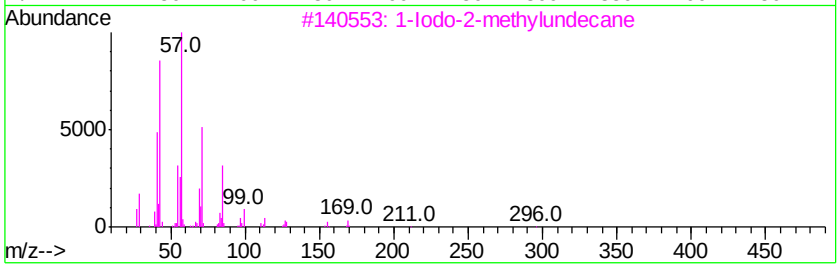
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.24 | 4.71 ng/ul | 139311 | Perylene-d12 | 24.04 |

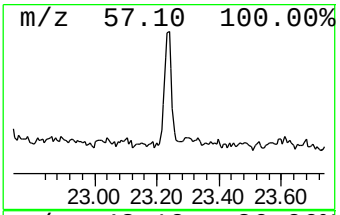
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Nonadecane | 268 | C19H40 | 000629-92-5 | 78 |
| 2 | Octadecane | 254 | C18H38 | 000593-45-3 | 70 |
| 3 | 1-Iodo-2-methylundecane | 296 | C12H25I | 073105-67-6 | 60 |
| 4 | Nonadecane | 268 | C19H40 | 000629-92-5 | 60 |
| 5 | Heneicosane, 11-(1-ethylpropyl)- | 366 | C26H54 | 055282-11-6 | 53 |

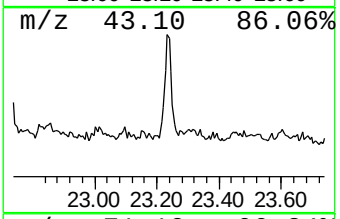


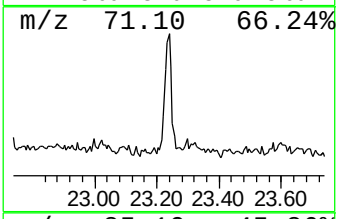



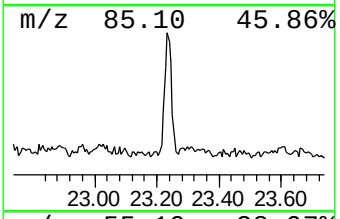



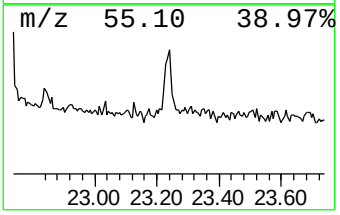



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072718\
Data File : BM016097.D
Acq On : 27 Jul 2018 11:43
Operator : SJ/JU
Sample : J4172-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0D03

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM071318MA.M
Quant Title : SVOA CALIBRATION

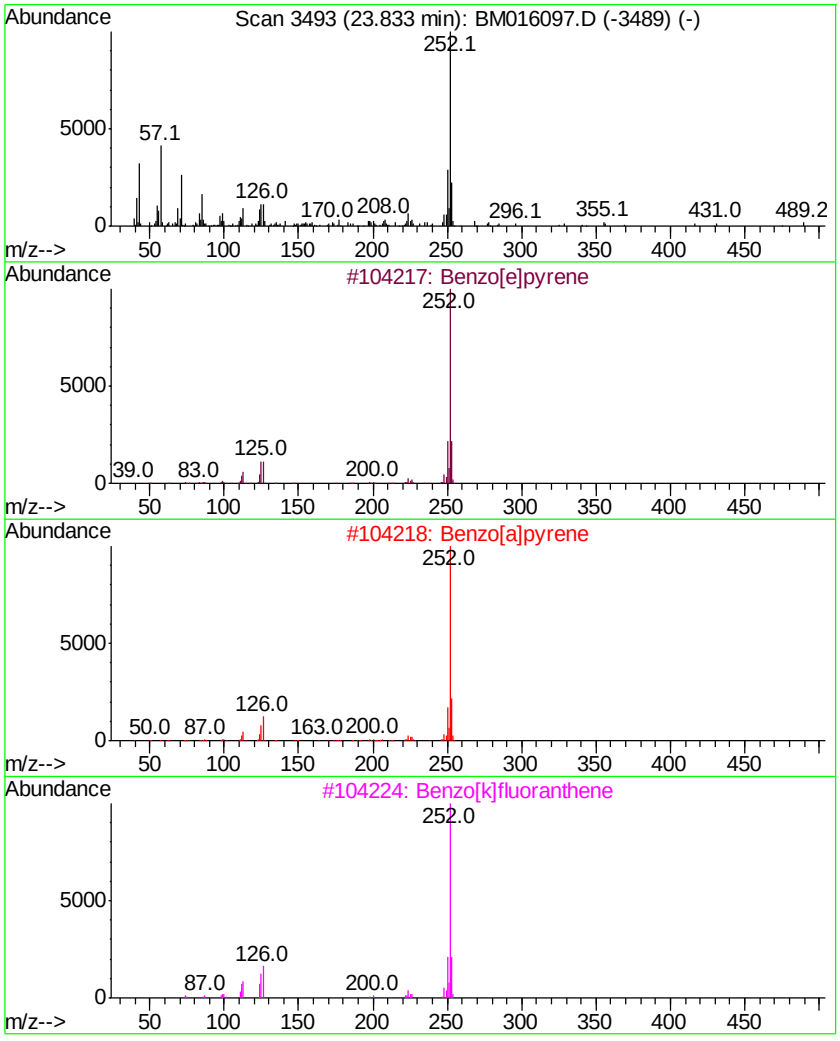
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

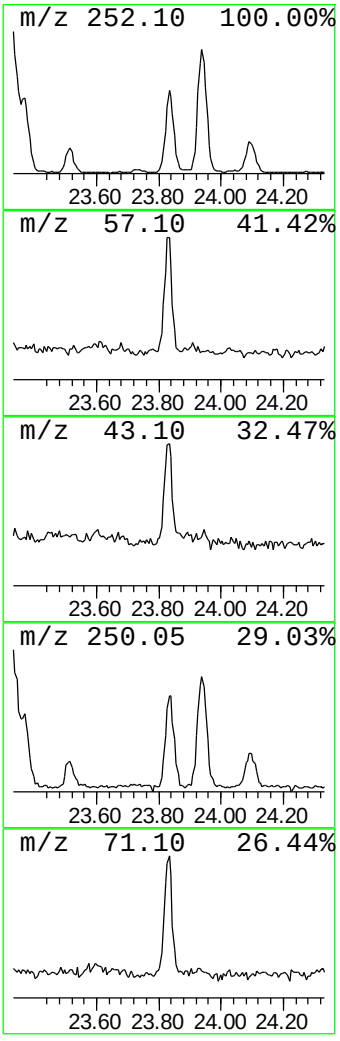
**********

Peak Number 6 Benzo[e]pyrene Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.83 | 7.33 ng/ul | 216990 | Perylene-d12 | 24.04 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 96 |
| 2 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 93 |
| 3 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 93 |
| 4 | Benz[e]acephenanthrylene | 252 | C20H12 | 000205-99-2 | 90 |
| 5 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 89 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM072718\
Data File : BM016097.D
Acq On : 27 Jul 2018 11:43
Operator : SJ/JU
Sample : J4172-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0D03

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM071318MA.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 |
| 1H-3a,7-Methanoaz... | 14.13 | 3.2 | ng/ul | 112171 | 3 | 14.83 | 697910 | 20.0 |
| n-Hexadecanoic acid | 18.40 | 3.8 | ng/ul | 139501 | 4 | 17.56 | 732026 | 20.0 |
| (DEL) Alkane: Str... | 21.34 | 4.1 | ng/ul | 208637 | 5 | 21.68 | 1008280 | 20.0 |
| 9-Octadecenamide,... | 22.72 | 8.6 | ng/ul | 434166 | 5 | 21.68 | 1008280 | 20.0 |
| (DEL) Alkane: Str... | 23.24 | 4.7 | ng/ul | 139311 | 6 | 24.04 | 591710 | 20.0 |
| Benzo[e]pyrene | 23.83 | 7.3 | ng/ul | 216990 | 6 | 24.04 | 591710 | 20.0 |