LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM100117\
Data File : BM011811.D
Acq On : 01 Oct 2017 16:32
Operator : SJ/JU
Sample : I5548-19
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0AG0

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:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092717.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 | 4.981 | 316 | 322 | 334 | rBV | 164703 | 258666 | 4.68% | 0.568% |
| 2 | 7.034 | 665 | 671 | 685 | rBV | 156413 | 296499 | 5.37% | 0.652% |
| 3 | 7.210 | 694 | 701 | 711 | rBV | 544665 | 903838 | 16.37% | 1.986% |
| 4 | 7.410 | 728 | 735 | 749 | rBV | 630660 | 1045756 | 18.94% | 2.298% |
| 5 | 7.881 | 808 | 815 | 821 | rBV | 453897 | 755177 | 13.68% | 1.659% |
| 6 | 7.940 | 821 | 825 | 832 | rVB | 53261 | 96423 | 1.75% | 0.212% |
| 7 | 8.581 | 927 | 934 | 944 | rBV | 474284 | 819250 | 14.84% | 1.800% |
| 8 | 8.981 | 996 | 1002 | 1007 | rBV2 | 107755 | 187083 | 3.39% | 0.411% |
| 9 | 9.046 | 1007 | 1013 | 1020 | rBV | 821076 | 1372541 | 24.86% | 3.016% |
| 10 | 9.169 | 1026 | 1034 | 1042 | rVB | 207507 | 386014 | 6.99% | 0.848% |
| 11 | 9.769 | 1127 | 1136 | 1147 | rBV | 712131 | 1250747 | 22.65% | 2.748% |
| 12 | 10.304 | 1220 | 1227 | 1239 | rBV | 878365 | 1533211 | 27.77% | 3.369% |
| 13 | 10.598 | 1271 | 1277 | 1283 | rBV2 | 39363 | 77807 | 1.41% | 0.171% |
| 14 | 10.687 | 1285 | 1292 | 1299 | rBV | 662967 | 1114723 | 20.19% | 2.450% |
| 15 | 13.928 | 1837 | 1843 | 1860 | rBV | 1884625 | 2633300 | 47.69% | 5.787% |
| 16 | 14.216 | 1885 | 1892 | 1906 | rBV | 1841493 | 2768653 | 50.14% | 6.084% |
| 17 | 14.522 | 1938 | 1944 | 1953 | rBV2 | 956751 | 1536193 | 27.82% | 3.376% |
| 18 | 14.598 | 1953 | 1957 | 1962 | rVB2 | 49773 | 66001 | 1.20% | 0.145% |
| 19 | 14.722 | 1972 | 1978 | 1985 | rBV | 91957 | 191146 | 3.46% | 0.420% |
| 20 | 15.192 | 2052 | 2058 | 2063 | rBV | 56791 | 83307 | 1.51% | 0.183% |
| 21 | 15.516 | 2106 | 2113 | 2120 | rBV | 2527945 | 3500852 | 63.40% | 7.693% |
| 22 | 15.633 | 2127 | 2133 | 2144 | rBV | 1076088 | 1563664 | 28.32% | 3.436% |
| 23 | 17.263 | 2404 | 2410 | 2419 | rBV2 | 1282508 | 1864074 | 33.76% | 4.096% |
| 24 | 17.363 | 2419 | 2427 | 2439 | rBV | 2789589 | 3986428 | 72.20% | 8.760% |
| 25 | 17.921 | 2517 | 2522 | 2530 | rBV | 417344 | 513987 | 9.31% | 1.129% |
| 26 | 18.139 | 2555 | 2559 | 2563 | rBV4 | 40194 | 58177 | 1.05% | 0.128% |
| 27 | 19.415 | 2772 | 2776 | 2785 | rBV2 | 69596 | 113499 | 2.06% | 0.249% |
| 28 | 19.651 | 2810 | 2816 | 2825 | rBV | 3740832 | 4948774 | 89.62% | 10.875% |
| 29 | 21.433 | 3114 | 3119 | 3126 | rBV | 1743513 | 2321053 | 42.03% | 5.100% |
| 30 | 22.492 | 3294 | 3299 | 3310 | rBV | 777893 | 1175147 | 21.28% | 2.582% |
| 31 | 23.615 | 3483 | 3490 | 3506 | rBV2 | 2859967 | 5521745 | 100.00% | 12.134% |
| 32 | 23.762 | 3509 | 3515 | 3529 | rVB | 1274017 | 2562951 | 46.42% | 5.632% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM100117\
Data File : BM011811.D
Acq On : 01 Oct 2017 16:32
Operator : SJ/JU
Sample : I5548-19
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0AG0

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:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092717.M
Title : SVOA CALIBRATION

Sum of corrected areas: 45506686

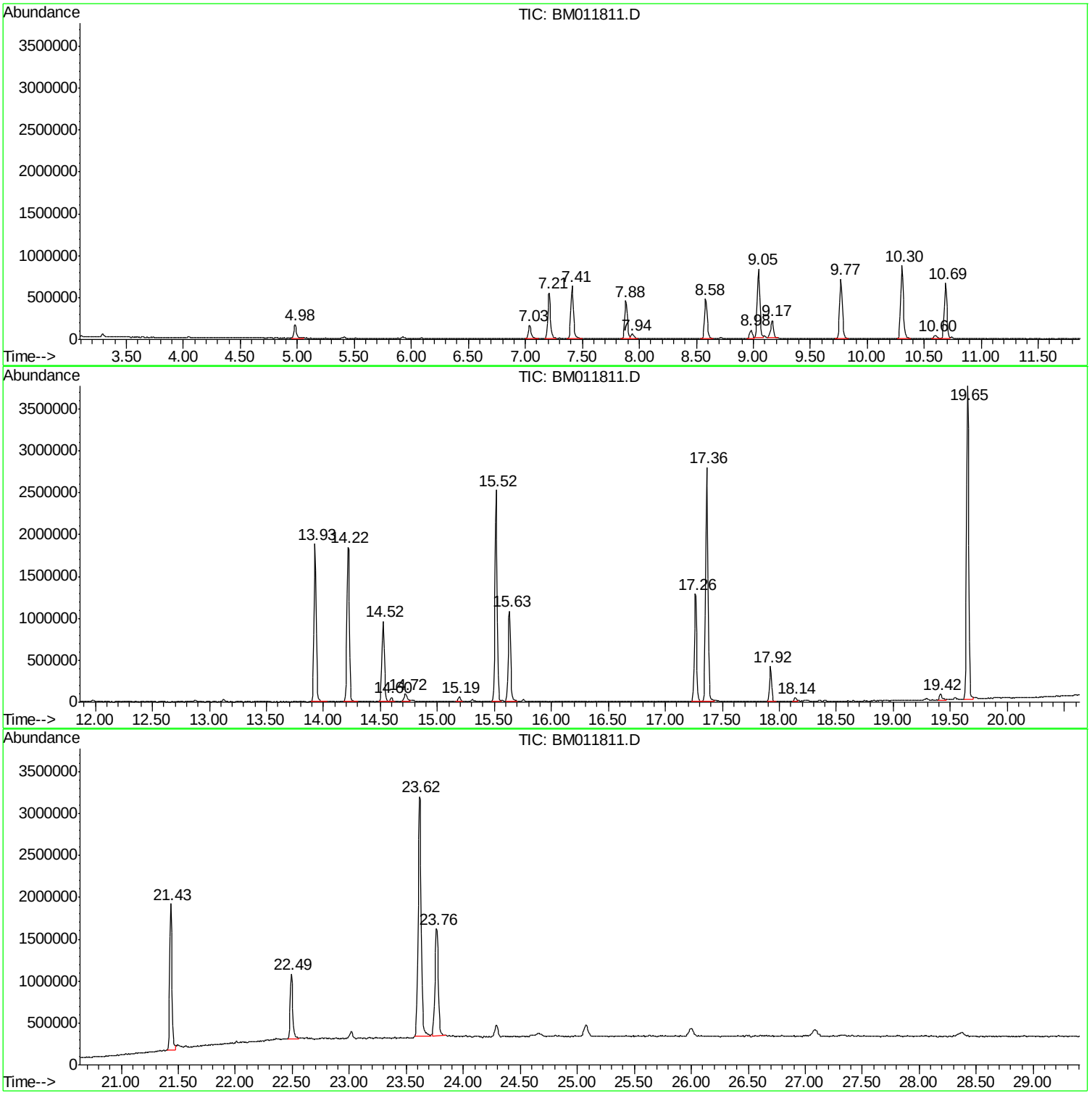
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA M\DATA\BM100117\
Data File : BM011811.D
Acq On : 01 Oct 2017 16:32
Operator : SJ/JU
Sample : I5548-19
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0AG0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092717.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM100117\
Data File : BM011811.D
Acq On : 01 Oct 2017 16:32
Operator : SJ/JU
Sample : I5548-19
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0AG0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092717.M
Quant Title : SVOA CALIBRATION

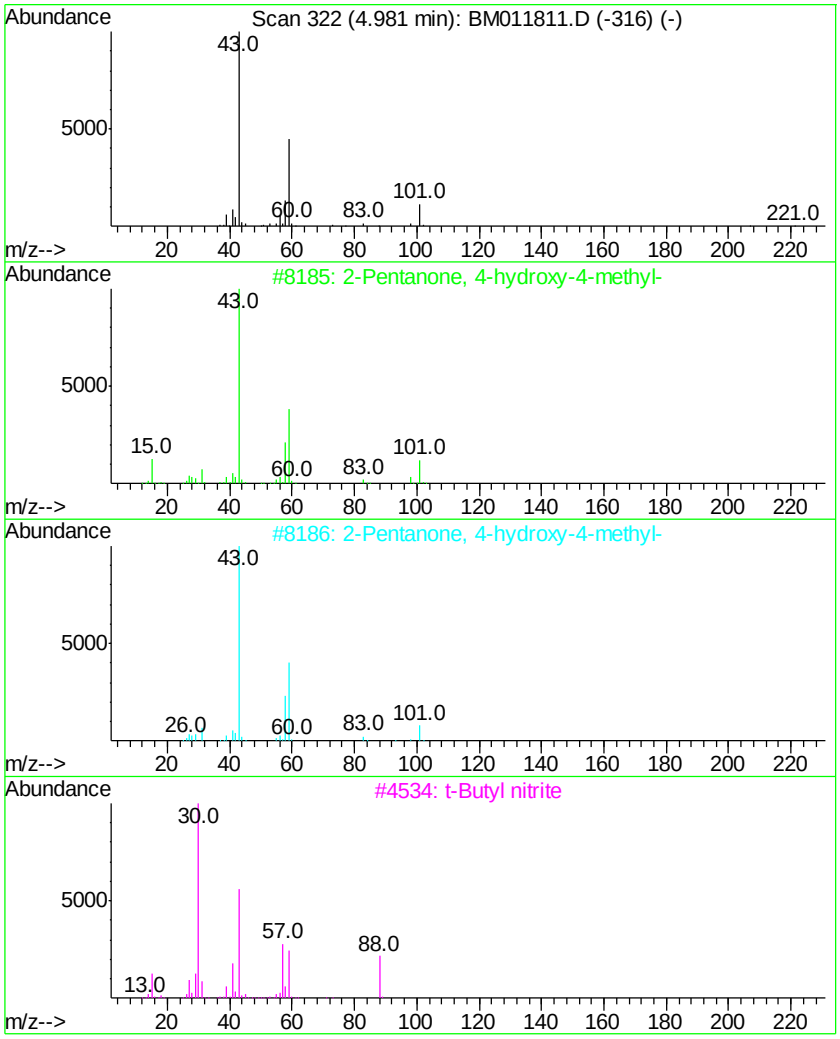
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

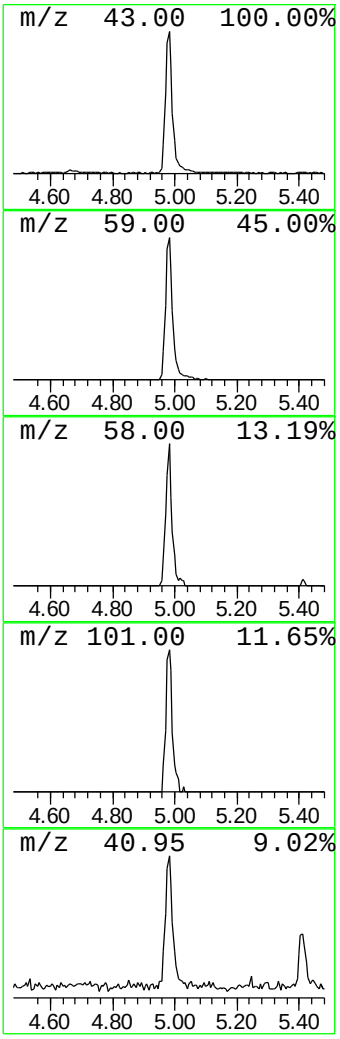
**********

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.98 | 6.85 ng/ul | 258666 | 1,4-Dichlorobenzene-d4 | 7.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 64 |
| 2 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 50 |
| 3 | t-Butyl nitrite | 103 | C4H9NO2 | 000540-80-7 | 39 |
| 4 | 1-Butene, 4-ethoxy- | 100 | C6H12O | 044611-46-3 | 23 |
| 5 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 17 |



Data Path : Z:\HPCHEM1\BNA M\DATA\BM100117\
Data File : BM011811.D
Acq On : 01 Oct 2017 16:32
Operator : SJ/JU
Sample : I5548-19
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0AG0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092717.M
Quant Title : SVOA CALIBRATION

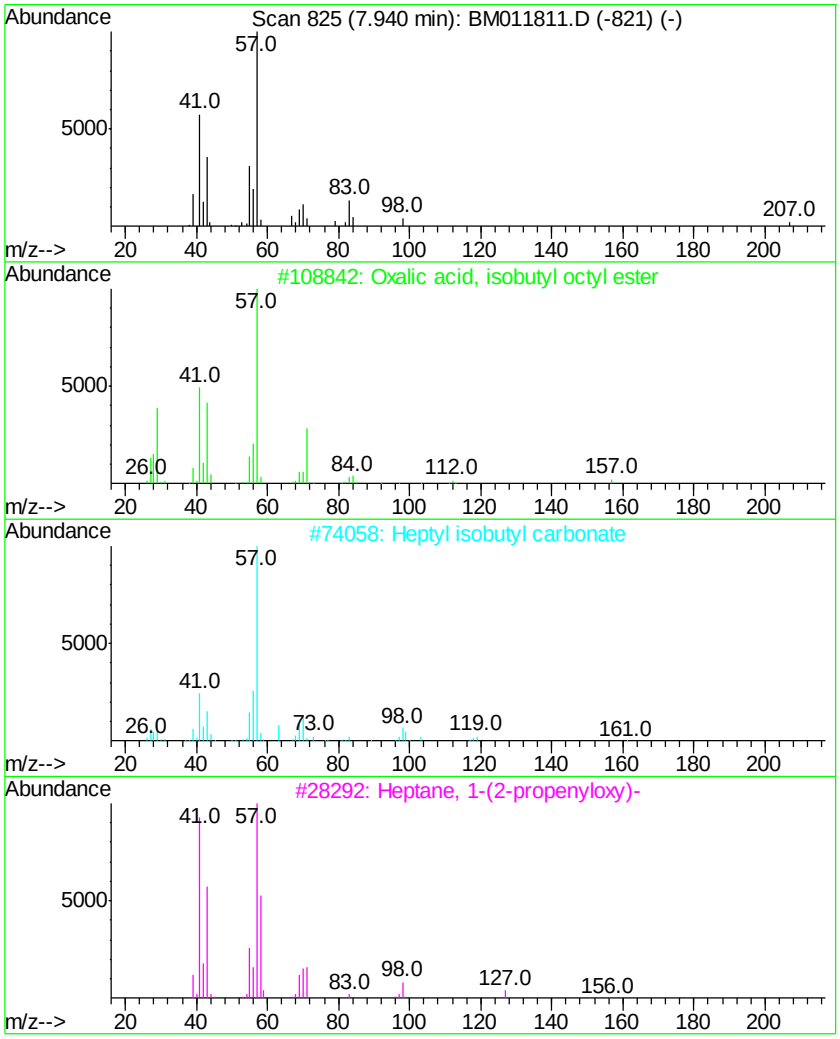
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

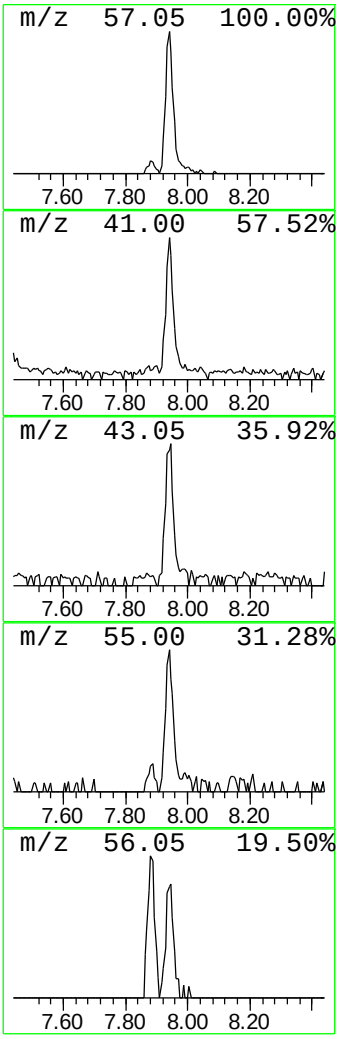
**********

Peak Number 2 Oxalic acid, isobutyl octyl... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.94 | 2.55 ng/ul | 96423 | 1,4-Dichlorobenzene-d4 | 7.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Oxalic acid, isobutyl octyl ester | 258 | C14H26O4 | 1000309-37-3 | 59 |
| 2 | Heptyl isobutyl carbonate | 216 | C12H24O3 | 959068-08-7 | 59 |
| 3 | Heptane, 1-(2-propenyloxy)- | 156 | C10H20O | 016519-24-7 | 50 |
| 4 | 2-Propyl-1-Pentanol, trifluoroac... | 226 | C10H17F3O2 | 1000365-19-7 | 50 |
| 5 | 1-Heptene | 98 | C7H14 | 000592-76-7 | 47 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM100117\
Data File : BM011811.D
Acq On : 01 Oct 2017 16:32
Operator : SJ/JU
Sample : I5548-19
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0AG0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092717.M
Quant Title : SVOA CALIBRATION

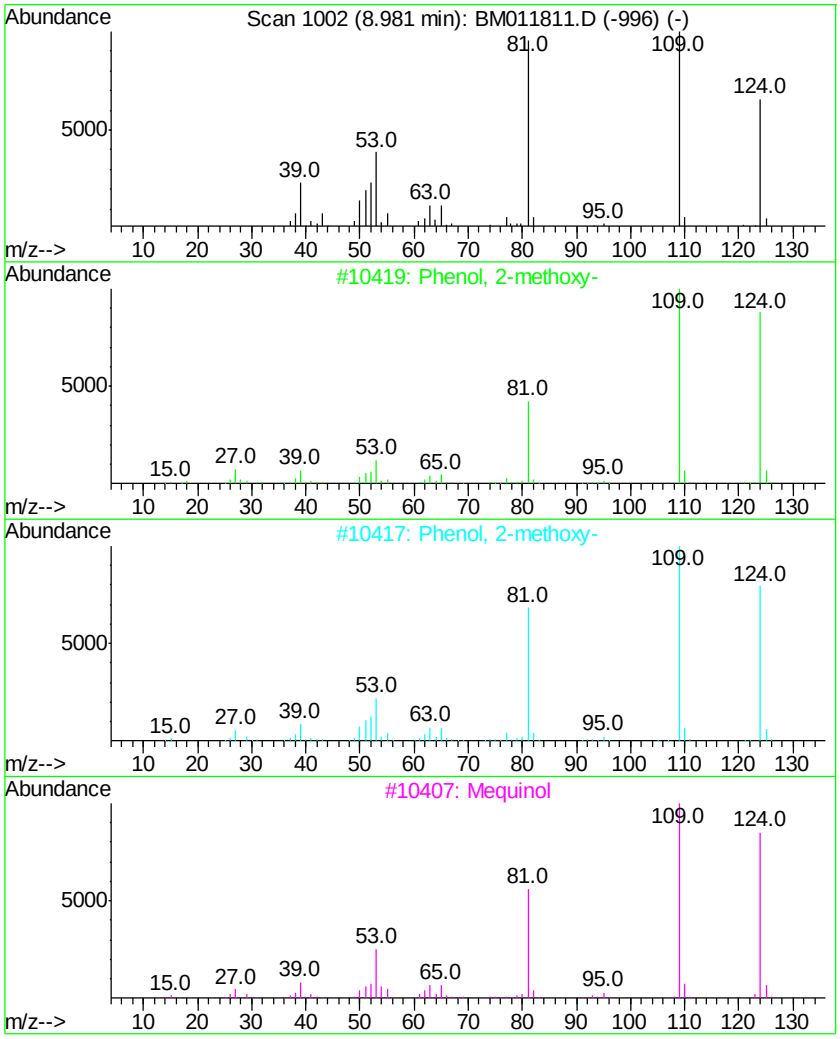
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

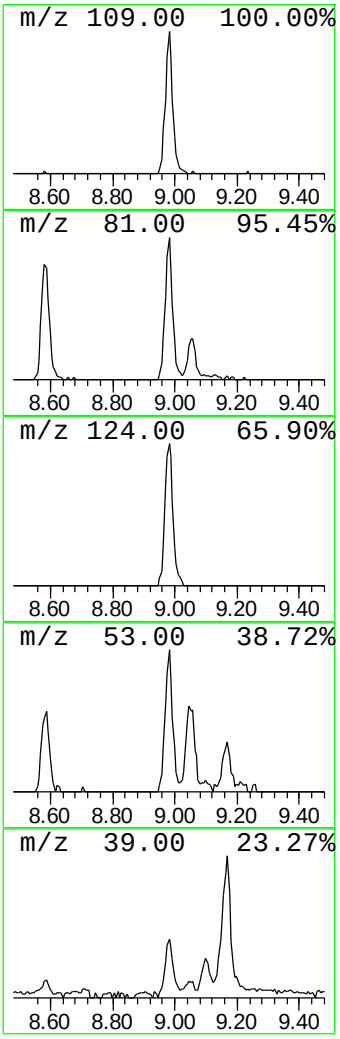
**********

Peak Number 3 Phenol, 2-methoxy- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.98 | 4.95 ng/ul | 187083 | 1,4-Dichlorobenzene-d4 | 7.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 2-methoxy- | 124 | C7H8O2 | 000090-05-1 | 97 |
| 2 | Phenol, 2-methoxy- | 124 | C7H8O2 | 000090-05-1 | 97 |
| 3 | Mequinol | 124 | C7H8O2 | 000150-76-5 | 90 |
| 4 | Cyclopropanecarboxaldehyde, meth... | 82 | C5H6O | 142423-24-3 | 49 |
| 5 | 1H-Pyrrole-2-carboxaldehyde, 1-m... | 109 | C6H7NO | 001192-58-1 | 46 |



Data Path : Z:\HPCHEM1\BNA M\DATA\BM100117\
Data File : BM011811.D
Acq On : 01 Oct 2017 16:32
Operator : SJ/JU
Sample : I5548-19
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0AG0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092717.M
Quant Title : SVOA CALIBRATION

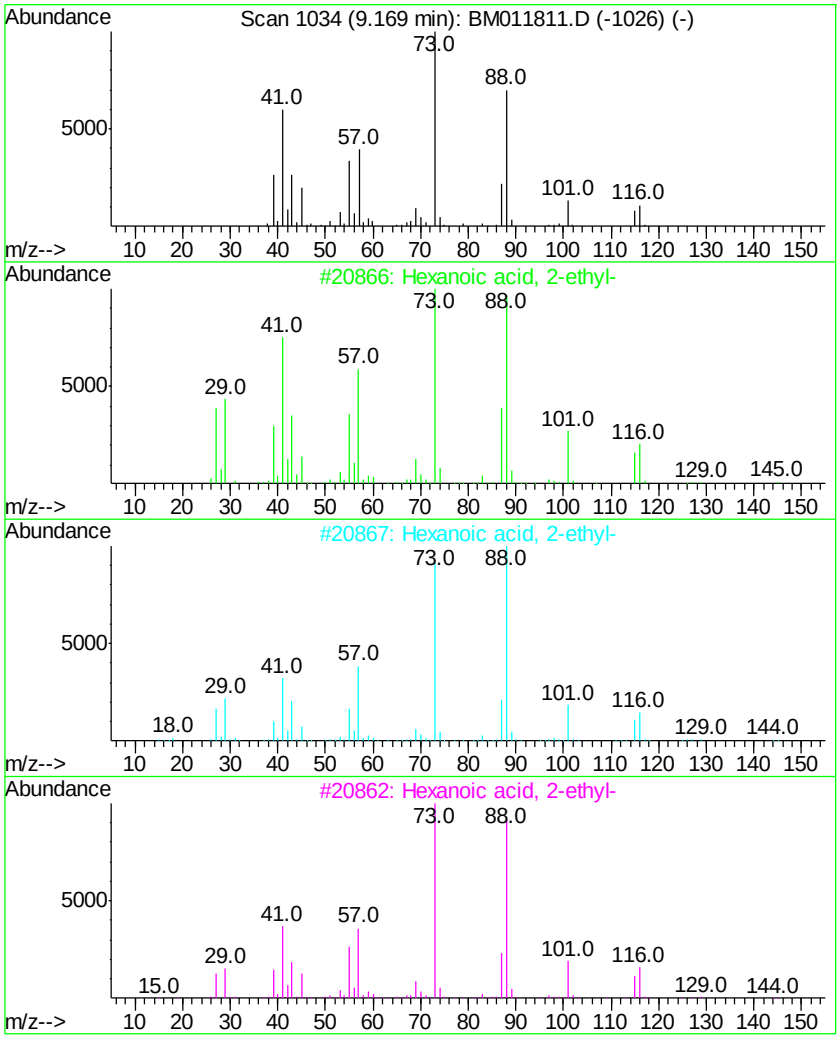
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

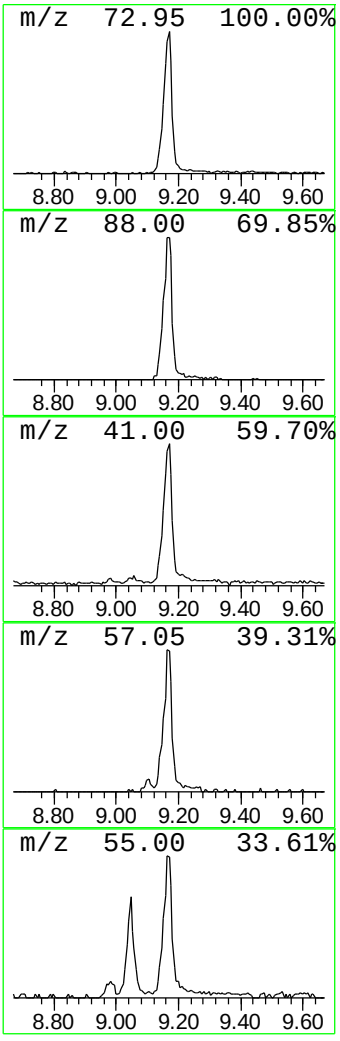
**********

Peak Number 4 Hexanoic acid, 2-ethyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.17 | 10.22 ng/ul | 386014 | 1,4-Dichlorobenzene-d4 | 7.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexanoic acid, 2-ethyl- | 144 | C8H16O2 | 000149-57-5 | 64 |
| 2 | Hexanoic acid, 2-ethyl- | 144 | C8H16O2 | 000149-57-5 | 59 |
| 3 | Hexanoic acid, 2-ethyl- | 144 | C8H16O2 | 000149-57-5 | 58 |
| 4 | Butanoic acid, 2-ethyl-, 1,2,3-p... | 386 | C21H38O6 | 056554-54-2 | 47 |
| 5 | Sulfide, allyl methyl | 88 | C4H8S | 010152-76-8 | 38 |



Data Path : Z:\HPCHEM1\BNA M\DATA\BM100117\
Data File : BM011811.D
Acq On : 01 Oct 2017 16:32
Operator : SJ/JU
Sample : I5548-19
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0AG0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092717.M
Quant Title : SVOA CALIBRATION

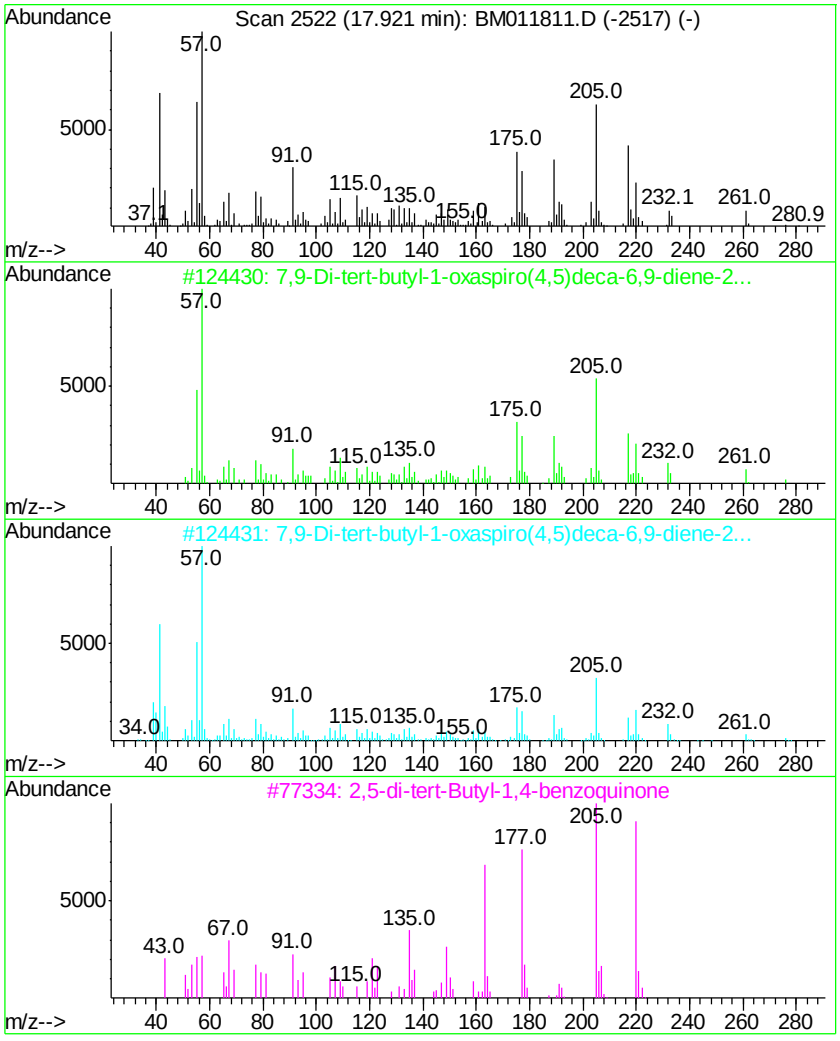
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

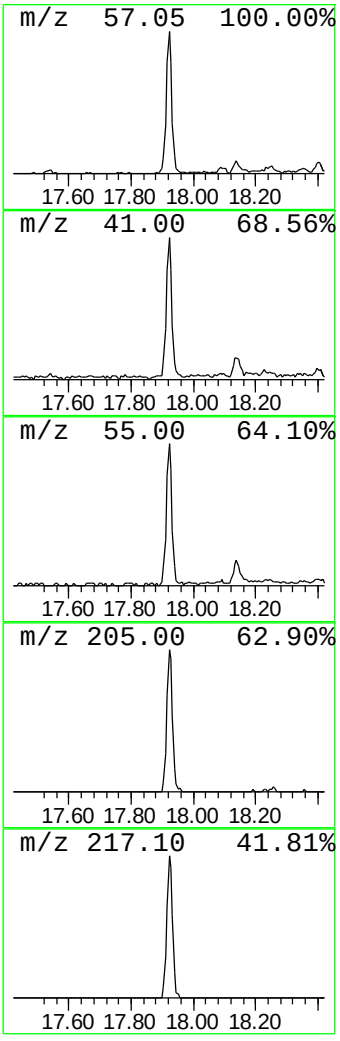
**********

Peak Number 5 7,9-Di-tert-butyl-1-oxaspir... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.92 | 5.51 ng/ul | 513987 | Phenanthrene-d10 | 17.26 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 7,9-Di-tert-butyl-1-oxaspiro(4,5... | 276 | C17H24O3 | 082304-66-3 | 99 |
| 2 | 7,9-Di-tert-butyl-1-oxaspiro(4,5... | 276 | C17H24O3 | 082304-66-3 | 50 |
| 3 | 2,5-di-tert-Butyl-1,4-benzoquinone | 220 | C14H20O2 | 002460-77-7 | 35 |
| 4 | Ethanone, 1-(5,6,7,8-tetrahydro-... | 220 | C14H20O2 | 071596-88-8 | 27 |
| 5 | 1-Ethyl-2-methylphenanthrene | 220 | C17H16 | 061983-53-7 | 20 |



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Acq On : 01 Oct 2017 16:32
Operator : SJ/JU
Sample : I5548-19
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0AG0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092717.M
Quant Title : SVOA CALIBRATION

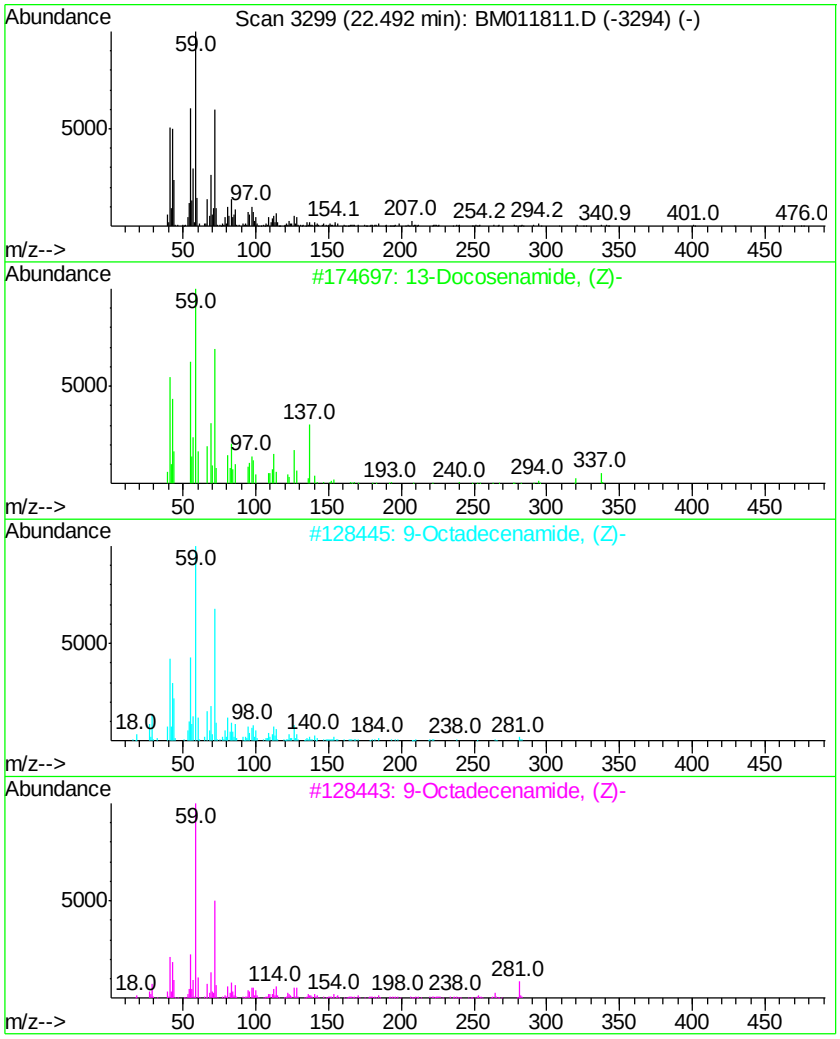
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

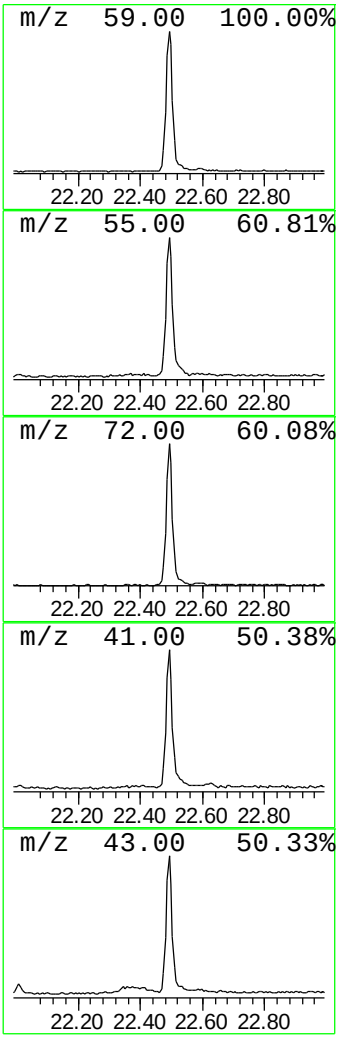
**********

Peak Number 6 13-Docosenamide, (Z)- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.49 | 10.13 ng/ul | 1175150 | Chrysene-d12 | 21.43 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 13-Docosenamide, (Z)- | 337 | C22H43NO | 000112-84-5 | 89 |
| 2 | 9-Octadecenamide, (Z)- | 281 | C18H35NO | 000301-02-0 | 83 |
| 3 | 9-Octadecenamide, (Z)- | 281 | C18H35NO | 000301-02-0 | 80 |
| 4 | 9-Octadecenamide, (Z)- | 281 | C18H35NO | 000301-02-0 | 74 |
| 5 | 13-Docosenamide, (Z)- | 337 | C22H43NO | 000112-84-5 | 64 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM100117\
Data File : BM011811.D
Acq On : 01 Oct 2017 16:32
Operator : SJ/JU
Sample : I5548-19
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0AG0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092717.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 |
| 2-Pentanone, 4-hy... | 4.98 | 6.8 | ng/ul | 258666 | 1 | 7.88 | 755177 | 20.0 |
| Oxalic acid, isob... | 7.94 | 2.5 | ng/ul | 96423 | 1 | 7.88 | 755177 | 20.0 |
| Phenol, 2-methoxy- | 8.98 | 5.0 | ng/ul | 187083 | 1 | 7.88 | 755177 | 20.0 |
| Hexanoic acid, 2-... | 9.17 | 10.2 | ng/ul | 386014 | 1 | 7.88 | 755177 | 20.0 |
| 7,9-Di-tert-butyl... | 17.92 | 5.5 | ng/ul | 513987 | 4 | 17.26 | 1864070 | 20.0 |
| 13-Docosenamide, ... | 22.49 | 10.1 | ng/ul | 1175150 | 5 | 21.43 | 2321050 | 20.0 |