LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM100817\
Data File : BM011985.D
Acq On : 08 Oct 2017 20:10
Operator : SJ/JU
Sample : I5695-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** TWP-B-44

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-BM100317.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 | 3.263 | 26 | 30 | 43 | rVB | 69841 | 118105 | 1.12% | 0.142% |
| 2 | 5.475 | 399 | 406 | 422 | rVB | 390110 | 796962 | 7.55% | 0.957% |
| 3 | 5.851 | 463 | 470 | 477 | rBV | 189168 | 305514 | 2.89% | 0.367% |
| 4 | 6.934 | 649 | 654 | 659 | rBV | 70865 | 116844 | 1.11% | 0.140% |
| 5 | 7.010 | 659 | 667 | 673 | rVV | 349603 | 669163 | 6.34% | 0.803% |
| 6 | 7.063 | 673 | 676 | 683 | rVB | 113631 | 177128 | 1.68% | 0.213% |
| 7 | 7.181 | 688 | 696 | 702 | rBV | 903948 | 1494980 | 14.16% | 1.794% |
| 8 | 7.381 | 723 | 730 | 744 | rBV | 1115456 | 1911346 | 18.10% | 2.294% |
| 9 | 7.492 | 744 | 749 | 756 | rVB | 255224 | 395901 | 3.75% | 0.475% |
| 10 | 7.851 | 802 | 810 | 823 | rVV | 702579 | 1193025 | 11.30% | 1.432% |
| 11 | 7.963 | 823 | 829 | 837 | rVB | 129404 | 227825 | 2.16% | 0.273% |
| 12 | 8.487 | 912 | 918 | 923 | rBV | 84291 | 143397 | 1.36% | 0.172% |
| 13 | 8.557 | 923 | 930 | 942 | rBV | 1008653 | 1799945 | 17.04% | 2.160% |
| 14 | 8.951 | 992 | 997 | 1001 | rVB2 | 111013 | 156280 | 1.48% | 0.188% |
| 15 | 9.016 | 1001 | 1008 | 1019 | rBV | 1260907 | 2204678 | 20.88% | 2.646% |
| 16 | 9.281 | 1047 | 1053 | 1062 | rBV5 | 107910 | 225284 | 2.13% | 0.270% |
| 17 | 9.475 | 1081 | 1086 | 1091 | rVB | 81415 | 126110 | 1.19% | 0.151% |
| 18 | 9.534 | 1091 | 1096 | 1101 | rBV | 87764 | 136323 | 1.29% | 0.164% |
| 19 | 9.739 | 1123 | 1131 | 1140 | rBV | 1138278 | 1979758 | 18.75% | 2.376% |
| 20 | 9.828 | 1140 | 1146 | 1155 | rVB2 | 125055 | 262077 | 2.48% | 0.315% |
| 21 | 10.051 | 1175 | 1184 | 1190 | rBV2 | 113572 | 210146 | 1.99% | 0.252% |
| 22 | 10.275 | 1215 | 1222 | 1233 | rBV | 1627023 | 2978497 | 28.21% | 3.575% |
| 23 | 10.651 | 1278 | 1286 | 1293 | rBV | 1034619 | 1851332 | 17.53% | 2.222% |
| 24 | 13.904 | 1832 | 1839 | 1850 | rBV | 3450427 | 4841999 | 45.85% | 5.812% |
| 25 | 14.192 | 1881 | 1888 | 1900 | rBV | 3827384 | 5727435 | 54.24% | 6.874% |
| 26 | 14.498 | 1931 | 1940 | 1947 | rBV2 | 1667465 | 2626092 | 24.87% | 3.152% |
| 27 | 14.704 | 1969 | 1975 | 1985 | rBV2 | 210154 | 543650 | 5.15% | 0.653% |
| 28 | 15.492 | 2102 | 2109 | 2115 | rBV | 4912918 | 7053923 | 66.80% | 8.466% |
| 29 | 15.616 | 2124 | 2130 | 2142 | rBV | 1704251 | 2547490 | 24.12% | 3.058% |
| 30 | 15.727 | 2145 | 2149 | 2156 | rVB2 | 64838 | 120740 | 1.14% | 0.145% |
| 31 | 17.245 | 2400 | 2407 | 2413 | rBV2 | 2182095 | 3262446 | 30.89% | 3.916% |
| 32 | 17.339 | 2417 | 2423 | 2436 | rVV | 5557360 | 7693271 | 72.85% | 9.234% |
| 33 | 18.115 | 2551 | 2555 | 2561 | rBV2 | 104523 | 146667 | 1.39% | 0.176% |
| 34 | 19.268 | 2747 | 2751 | 2761 | rVB2 | 74058 | 150008 | 1.42% | 0.180% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM100817\
Data File : BM011985.D
Acq On : 08 Oct 2017 20:10
Operator : SJ/JU
Sample : I5695-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** TWP-B-44

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-BM100317.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 19.392 | 2768 | 2772 | 2781 | rBV | 227919 | 383909 | 3.64% | 0.461% |
| 36 | 19.633 | 2807 | 2813 | 2825 | rBV | 7119081 | 9756585 | 92.39% | 11.710% |
| 37 | 21.415 | 3111 | 3116 | 3124 | rBV | 3149447 | 4151406 | 39.31% | 4.983% |
| 38 | 23.591 | 3478 | 3486 | 3501 | rBV2 | 5132055 | 10559959 | 100.00% | 12.675% |
| 39 | 23.733 | 3504 | 3510 | 3521 | rVB | 2128084 | 4270120 | 40.44% | 5.125% |

Sum of corrected areas: 83316320

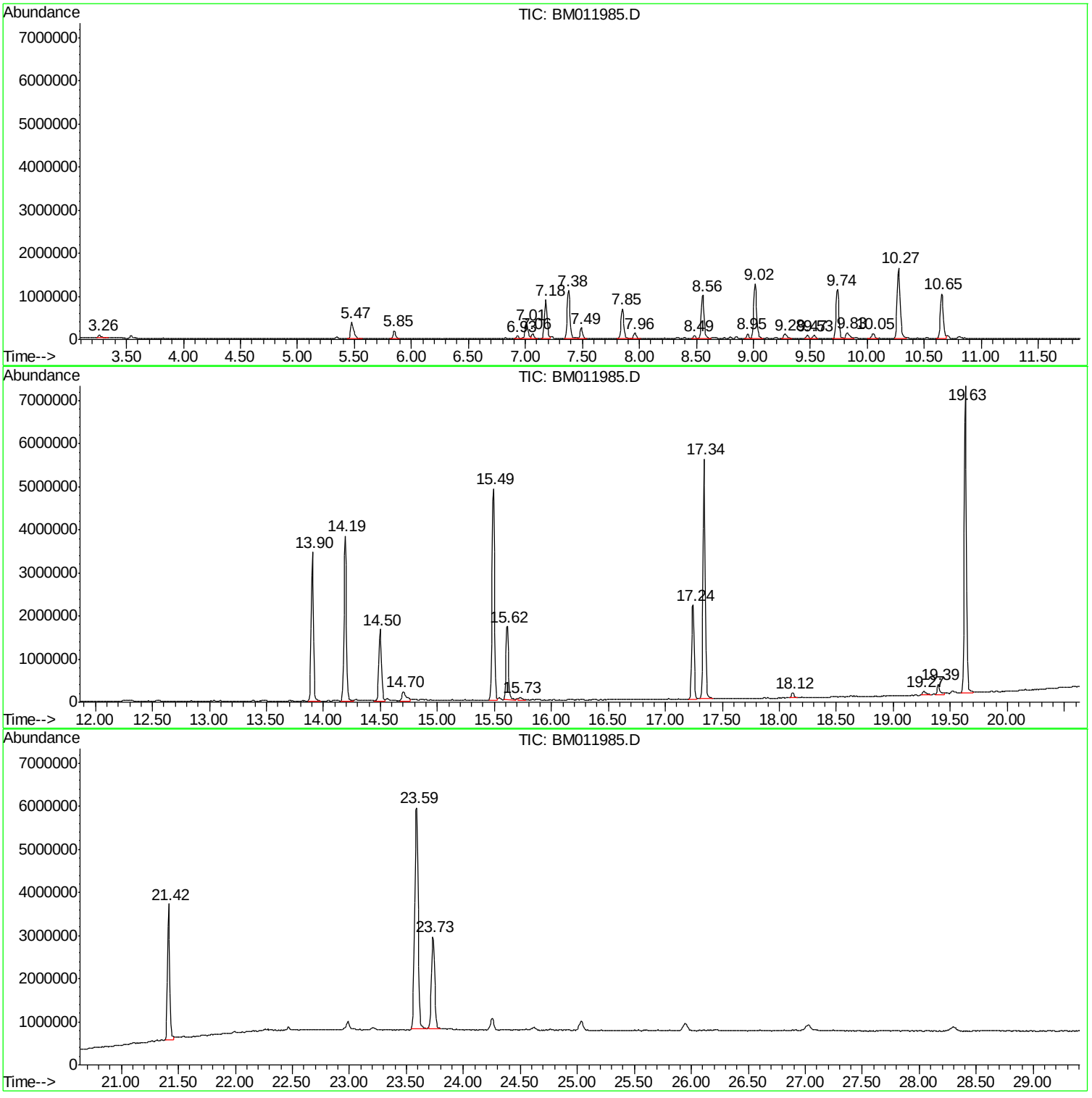
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA M\DATA\BM100817\
Data File : BM011985.D
Acq On : 08 Oct 2017 20:10
Operator : SJ/JU
Sample : I5695-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** TWP-B-44

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100317.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\BM100817\
Data File : BM011985.D
Acq On : 08 Oct 2017 20:10
Operator : SJ/JU
Sample : I5695-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** TWP-B-44

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100317.M
Quant Title : SVOA CALIBRATION

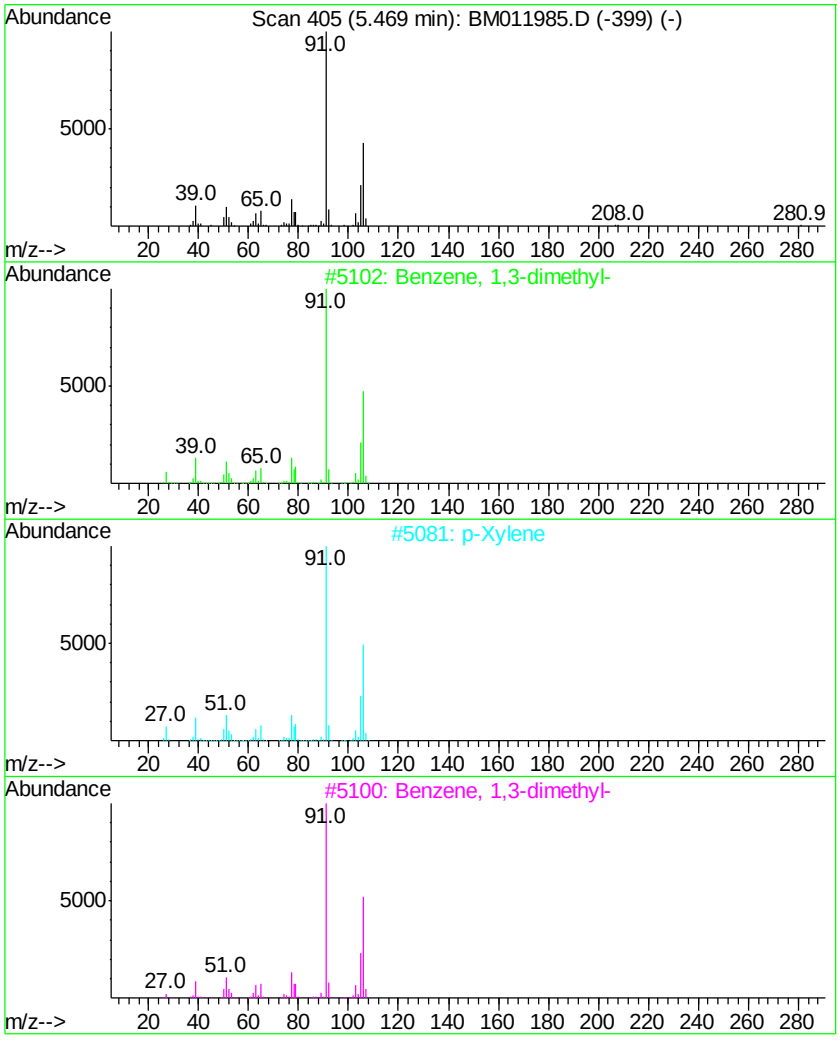
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

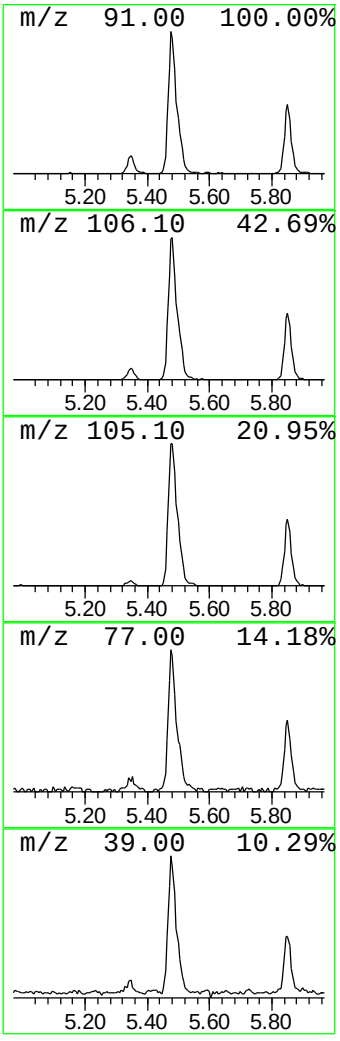
**********

Peak Number 1 Benzene, 1,3-dimethyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.47 | 13.36 ng/ul | 796962 | 1,4-Dichlorobenzene-d4 | 7.85 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,3-dimethyl- | 106 | C8H10 | 000108-38-3 | 97 |
| 2 | p-Xylene | 106 | C8H10 | 000106-42-3 | 97 |
| 3 | Benzene, 1,3-dimethyl- | 106 | C8H10 | 000108-38-3 | 95 |
| 4 | Benzene, 1,3-dimethyl- | 106 | C8H10 | 000108-38-3 | 95 |
| 5 | p-Xylene | 106 | C8H10 | 000106-42-3 | 94 |



Data Path : Z:\HPCHEM1\BNA M\DATA\BM100817\
Data File : BM011985.D
Acq On : 08 Oct 2017 20:10
Operator : SJ/JU
Sample : I5695-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** TWP-B-44

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100317.M
Quant Title : SVOA CALIBRATION

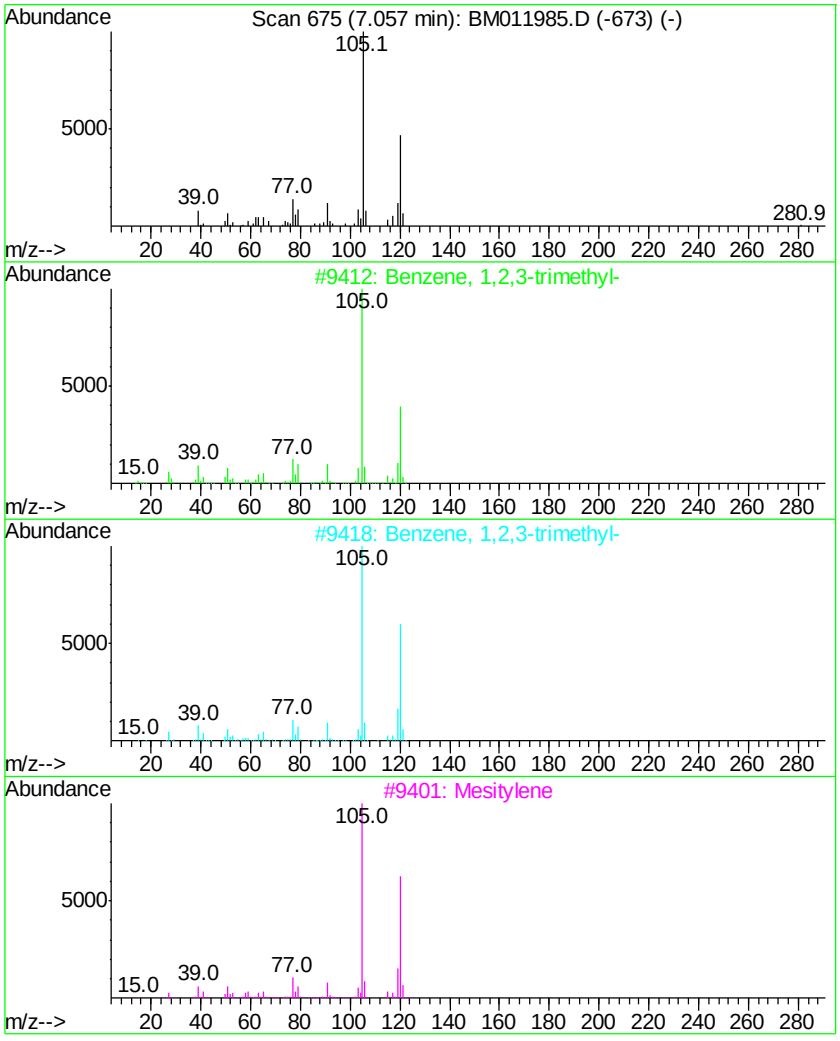
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

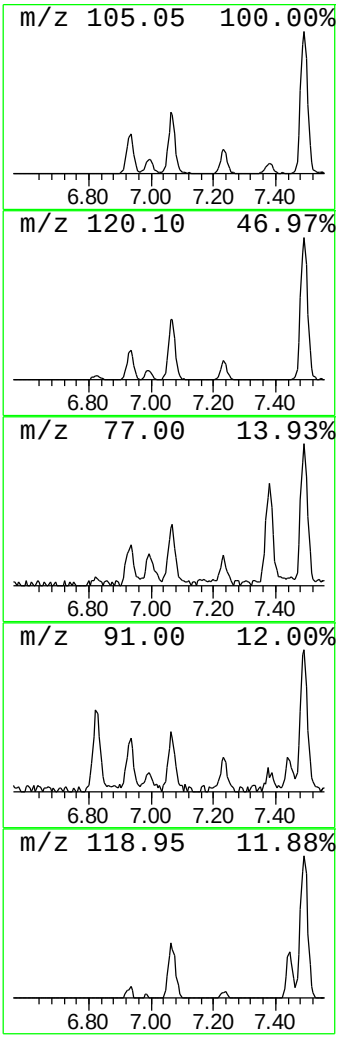
**********

Peak Number 3 Benzene, 1,2,3-trimethyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.06 | 2.97 ng/ul | 177128 | 1,4-Dichlorobenzene-d4 | 7.85 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 95 |
| 2 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 94 |
| 3 | Mesitylene | 120 | C9H12 | 000108-67-8 | 94 |
| 4 | Mesitylene | 120 | C9H12 | 000108-67-8 | 91 |
| 5 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 91 |



Data Path : Z:\HPCHEM1\BNA M\DATA\BM100817\
Data File : BM011985.D
Acq On : 08 Oct 2017 20:10
Operator : SJ/JU
Sample : I5695-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** TWP-B-44

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100317.M
Quant Title : SVOA CALIBRATION

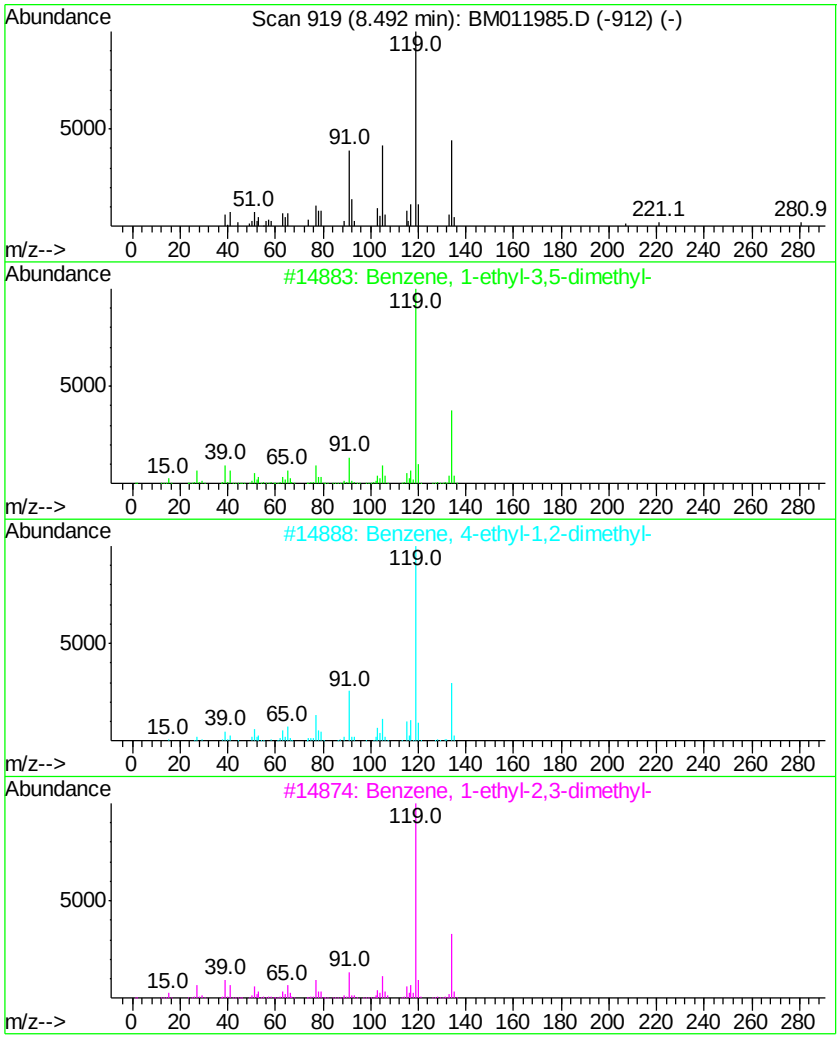
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

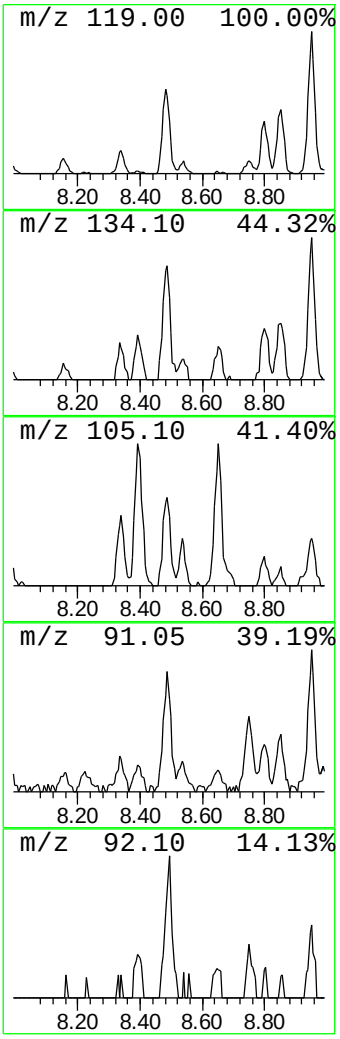
**********

Peak Number 6 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.49 | 2.40 ng/ul | 143397 | 1,4-Dichlorobenzene-d4 | 7.85 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-3,5-dimethyl- | 134 | C10H14 | 000934-74-7 | 94 |
| 2 | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14 | 000934-80-5 | 93 |
| 3 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 93 |
| 4 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 91 |
| 5 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 90 |



Data Path : Z:\HPCHEM1\BNA M\DATA\BM100817\
Data File : BM011985.D
Acq On : 08 Oct 2017 20:10
Operator : SJ/JU
Sample : I5695-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** TWP-B-44

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100317.M
Quant Title : SVOA CALIBRATION

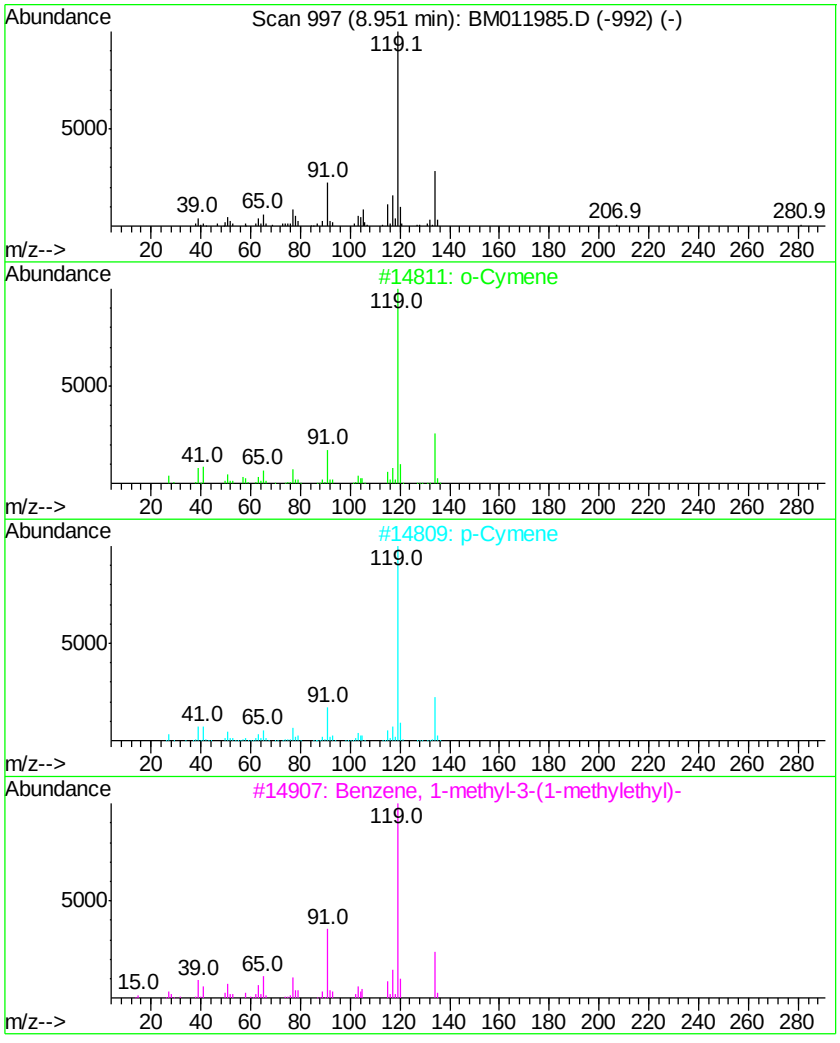
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

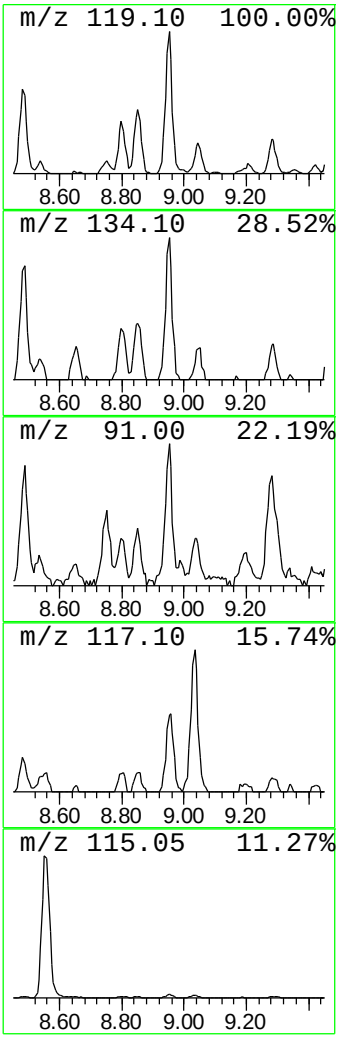
**********

Peak Number 7 o-Cymene Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.95 | 2.62 ng/ul | 156280 | 1,4-Dichlorobenzene-d4 | 7.85 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | o-Cymene | 134 | C10H14 | 000527-84-4 | 95 |
| 2 | p-Cymene | 134 | C10H14 | 000099-87-6 | 94 |
| 3 | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14 | 000535-77-3 | 91 |
| 4 | o-Cymene | 134 | C10H14 | 000527-84-4 | 91 |
| 5 | o-Cymene | 134 | C10H14 | 000527-84-4 | 90 |



Data Path : Z:\HPCHEM1\BNA M\DATA\BM100817\
Data File : BM011985.D
Acq On : 08 Oct 2017 20:10
Operator : SJ/JU
Sample : I5695-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** TWP-B-44

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100317.M
Quant Title : SVOA CALIBRATION

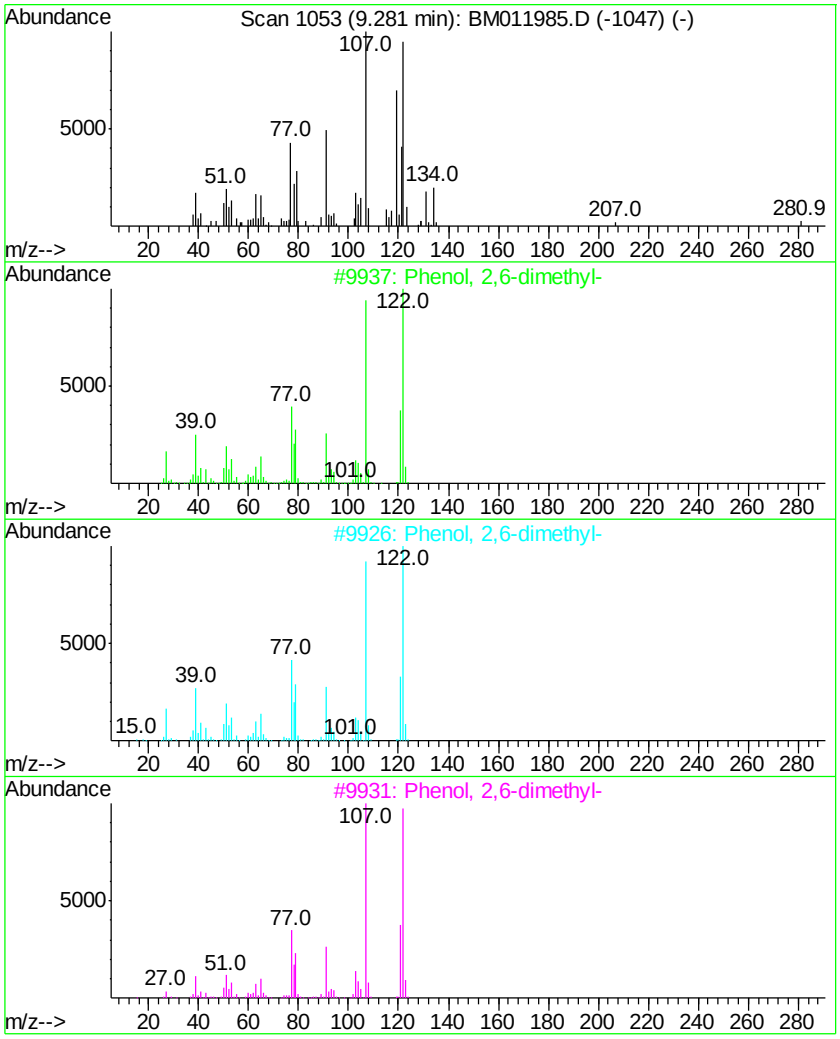
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

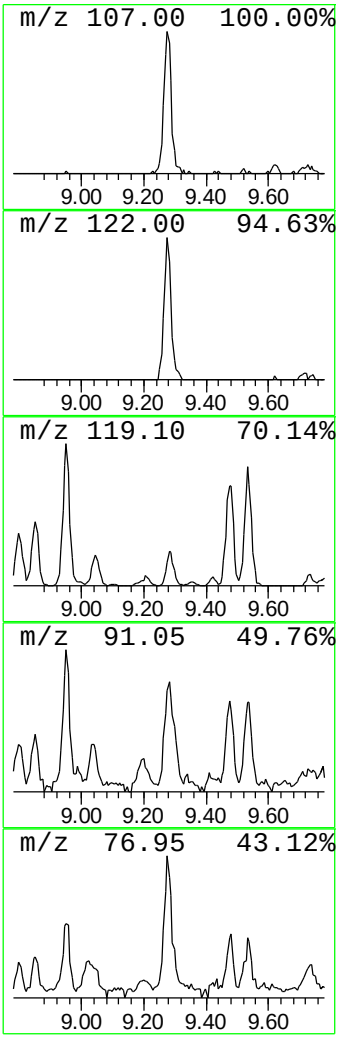
**********

Peak Number 8 Phenol, 2,6-dimethyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.28 | 2.43 ng/ul | 225284 | Naphthalene-d8 | 10.65 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 2,6-dimethyl- | 122 | C8H10O | 000576-26-1 | 98 |
| 2 | Phenol, 2,6-dimethyl- | 122 | C8H10O | 000576-26-1 | 96 |
| 3 | Phenol, 2,6-dimethyl- | 122 | C8H10O | 000576-26-1 | 94 |
| 4 | Phenol, 2,3-dimethyl- | 122 | C8H10O | 000526-75-0 | 94 |
| 5 | Phenol, 2,6-dimethyl- | 122 | C8H10O | 000576-26-1 | 94 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM100817\
Data File : BM011985.D
Acq On : 08 Oct 2017 20:10
Operator : SJ/JU
Sample : I5695-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** TWP-B-44

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100317.M
Quant Title : SVOA CALIBRATION

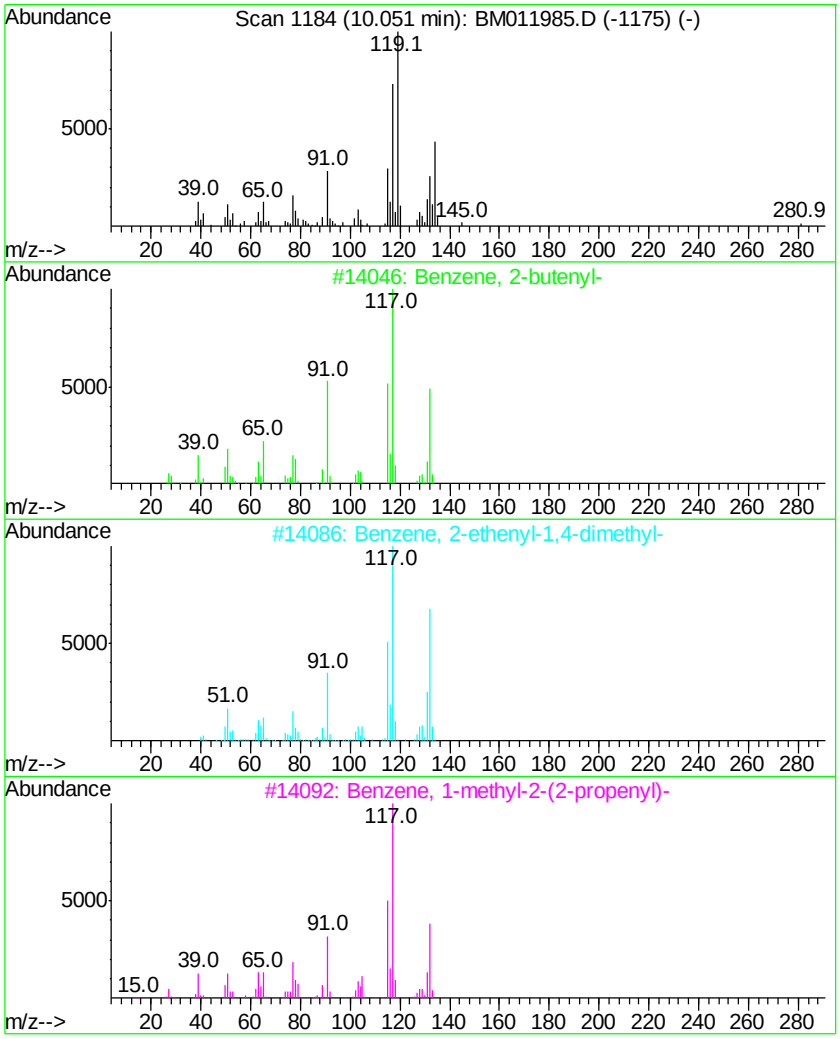
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

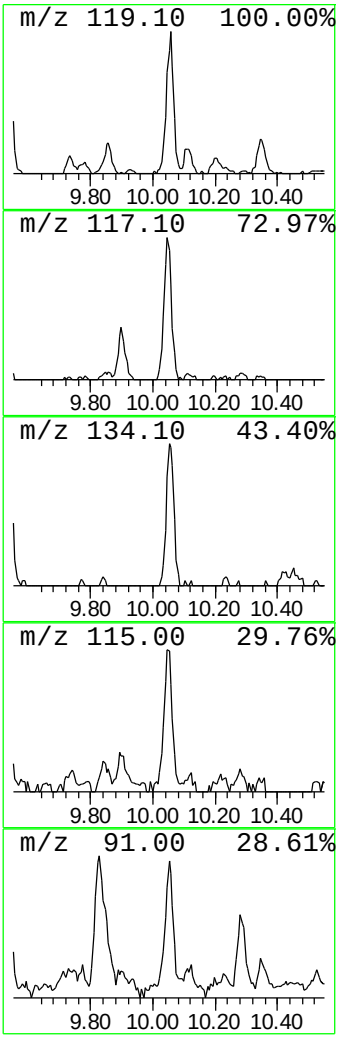
**********

Peak Number 9 Benzene, 2-butenyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.05 | 2.27 ng/ul | 210146 | Naphthalene-d8 | 10.65 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 2-butenyl- | 132 | C10H12 | 001560-06-1 | 83 |
| 2 | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12 | 002039-89-6 | 83 |
| 3 | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12 | 001587-04-8 | 80 |
| 4 | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12 | 002039-89-6 | 56 |
| 5 | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12 | 000767-99-7 | 55 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM100817\
Data File : BM011985.D
Acq On : 08 Oct 2017 20:10
Operator : SJ/JU
Sample : I5695-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** TWP-B-44

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100317.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 |
| Benzene, 1,3-dime... | 5.47 | 13.4 | ng/ul | 796962 | 1 | 7.85 | 1193030 | 20.0 |
| Benzene, 1,2,3-tr... | 7.06 | 3.0 | ng/ul | 177128 | 1 | 7.85 | 1193030 | 20.0 |
| Benzene, 1-ethyl-... | 8.49 | 2.4 | ng/ul | 143397 | 1 | 7.85 | 1193030 | 20.0 |
| o-Cymene | 8.95 | 2.6 | ng/ul | 156280 | 1 | 7.85 | 1193030 | 20.0 |
| Phenol, 2,6-dimet... | 9.28 | 2.4 | ng/ul | 225284 | 2 | 10.65 | 1851330 | 20.0 |
| Benzene, 2-butenyl- | 10.05 | 2.3 | ng/ul | 210146 | 2 | 10.65 | 1851330 | 20.0 |