LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM031317\
Data File : BM009247.D
Acq On : 14 Mar 2017 09:58
Operator : SJ/MA
Sample : I2181-17
Misc :
ALS Vial : 30 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0BD4

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\SOM02.2-EPA-2016\SOM-EPA-BM031317MA.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 | 7.034 | 663 | 671 | 678 | rBV | 147960 | 250686 | 3.22% | 0.453% |
| 2 | 7.210 | 694 | 701 | 709 | rBV | 541450 | 867189 | 11.12% | 1.566% |
| 3 | 7.404 | 728 | 734 | 742 | rVB | 534192 | 873594 | 11.20% | 1.577% |
| 4 | 7.875 | 808 | 814 | 820 | rBV | 450615 | 743753 | 9.54% | 1.343% |
| 5 | 8.569 | 926 | 932 | 941 | rVB2 | 468230 | 732416 | 9.39% | 1.323% |
| 6 | 8.969 | 992 | 1000 | 1006 | rBV2 | 123380 | 201528 | 2.58% | 0.364% |
| 7 | 9.040 | 1006 | 1012 | 1018 | rVV | 789207 | 1325731 | 17.00% | 2.394% |
| 8 | 9.763 | 1126 | 1135 | 1144 | rVB | 641975 | 1078677 | 13.83% | 1.948% |
| 9 | 10.292 | 1218 | 1225 | 1233 | rBV | 901619 | 1498300 | 19.22% | 2.706% |
| 10 | 10.581 | 1270 | 1274 | 1283 | rVB2 | 72413 | 121519 | 1.56% | 0.219% |
| 11 | 10.675 | 1283 | 1290 | 1296 | rVV | 688355 | 1161549 | 14.90% | 2.097% |
| 12 | 13.922 | 1835 | 1842 | 1854 | rBV | 2231073 | 3077133 | 39.46% | 5.556% |
| 13 | 14.210 | 1884 | 1891 | 1898 | rBV | 2220904 | 3226496 | 41.38% | 5.826% |
| 14 | 14.516 | 1937 | 1943 | 1952 | rBV2 | 1193752 | 1903224 | 24.41% | 3.437% |
| 15 | 14.710 | 1969 | 1976 | 1986 | rBV | 197795 | 328955 | 4.22% | 0.594% |
| 16 | 15.510 | 2104 | 2112 | 2120 | rBV | 3198762 | 4449501 | 57.06% | 8.035% |
| 17 | 15.627 | 2125 | 2132 | 2143 | rBV | 1226151 | 1640151 | 21.03% | 2.962% |
| 18 | 17.263 | 2404 | 2410 | 2420 | rBV2 | 1777225 | 2622674 | 33.64% | 4.736% |
| 19 | 17.363 | 2420 | 2427 | 2435 | rBV2 | 3771371 | 5356975 | 68.70% | 9.673% |
| 20 | 17.921 | 2516 | 2522 | 2527 | rBV2 | 933235 | 1141434 | 14.64% | 2.061% |
| 21 | 19.656 | 2811 | 2817 | 2827 | rBV | 5158008 | 7011639 | 89.92% | 12.661% |
| 22 | 21.439 | 3115 | 3120 | 3129 | rBV | 3160022 | 3952065 | 50.69% | 7.136% |
| 23 | 23.627 | 3485 | 3492 | 3501 | rVB2 | 3961656 | 7797303 | 100.00% | 14.080% |
| 24 | 23.780 | 3511 | 3518 | 3525 | rVB2 | 2071623 | 4017026 | 51.52% | 7.254% |

Sum of corrected areas: 55379518

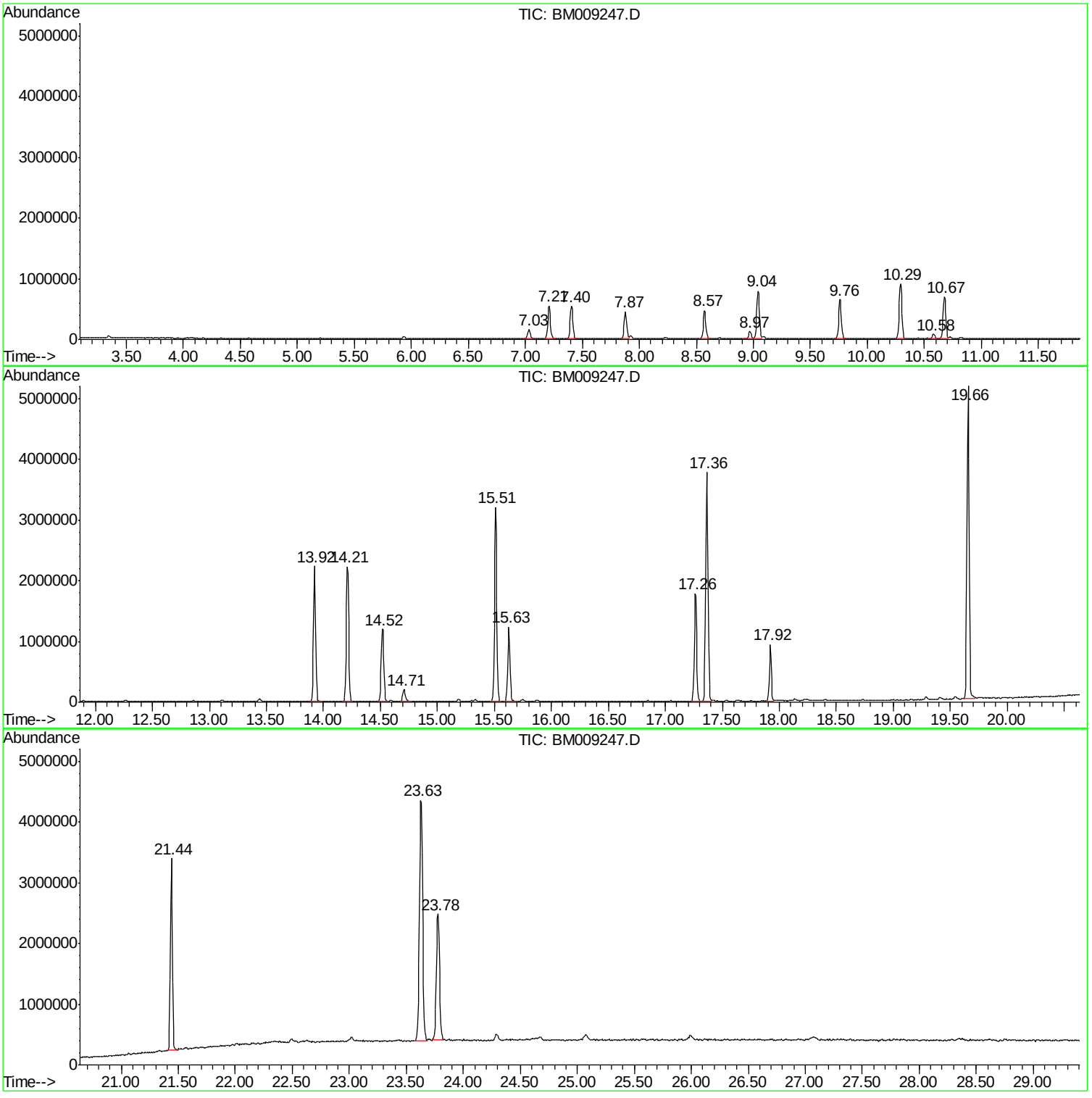
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA M\DATA\BM031317\
Data File : BM009247.D
Acq On : 14 Mar 2017 09:58
Operator : SJ/MA
Sample : I2181-17
Misc :
ALS Vial : 30 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0BD4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM-EPA-BM031317MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM031317\
Data File : BM009247.D
Acq On : 14 Mar 2017 09:58
Operator : SJ/MA
Sample : I2181-17
Misc :
ALS Vial : 30 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0BD4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM-EPA-BM031317MA.M
Quant Title : SVOA CALIBRATION

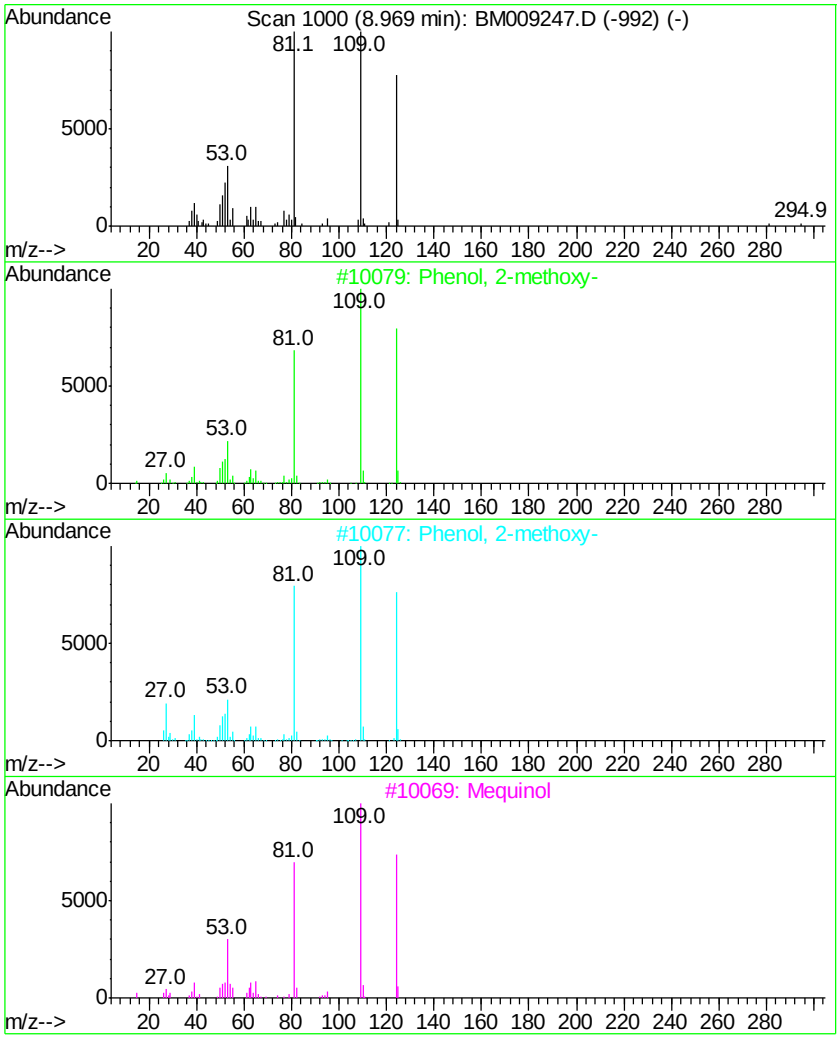
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

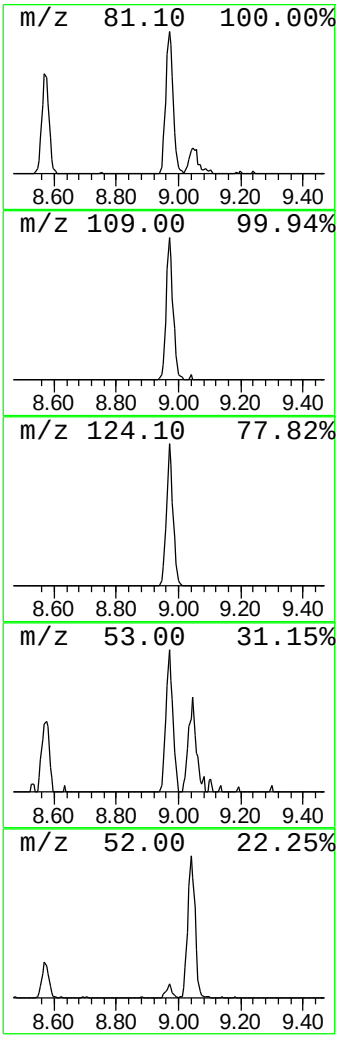
**********

Peak Number 1 Phenol, 2-methoxy- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.97 | 5.42 ng/ul | 201528 | 1,4-Dichlorobenzene-d4 | 7.87 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 2-methoxy- | 124 | C7H8O2 | 000090-05-1 | 76 |
| 2 | Phenol, 2-methoxy- | 124 | C7H8O2 | 000090-05-1 | 76 |
| 3 | Mequinol | 124 | C7H8O2 | 000150-76-5 | 68 |
| 4 | Mequinol | 124 | C7H8O2 | 000150-76-5 | 49 |
| 5 | Phenol, 2-methoxy- | 124 | C7H8O2 | 000090-05-1 | 46 |



Data Path : Z:\HPCHEM1\BNA M\DATA\BM031317\
Data File : BM009247.D
Acq On : 14 Mar 2017 09:58
Operator : SJ/MA
Sample : I2181-17
Misc :
ALS Vial : 30 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0BD4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM-EPA-BM031317MA.M
Quant Title : SVOA CALIBRATION

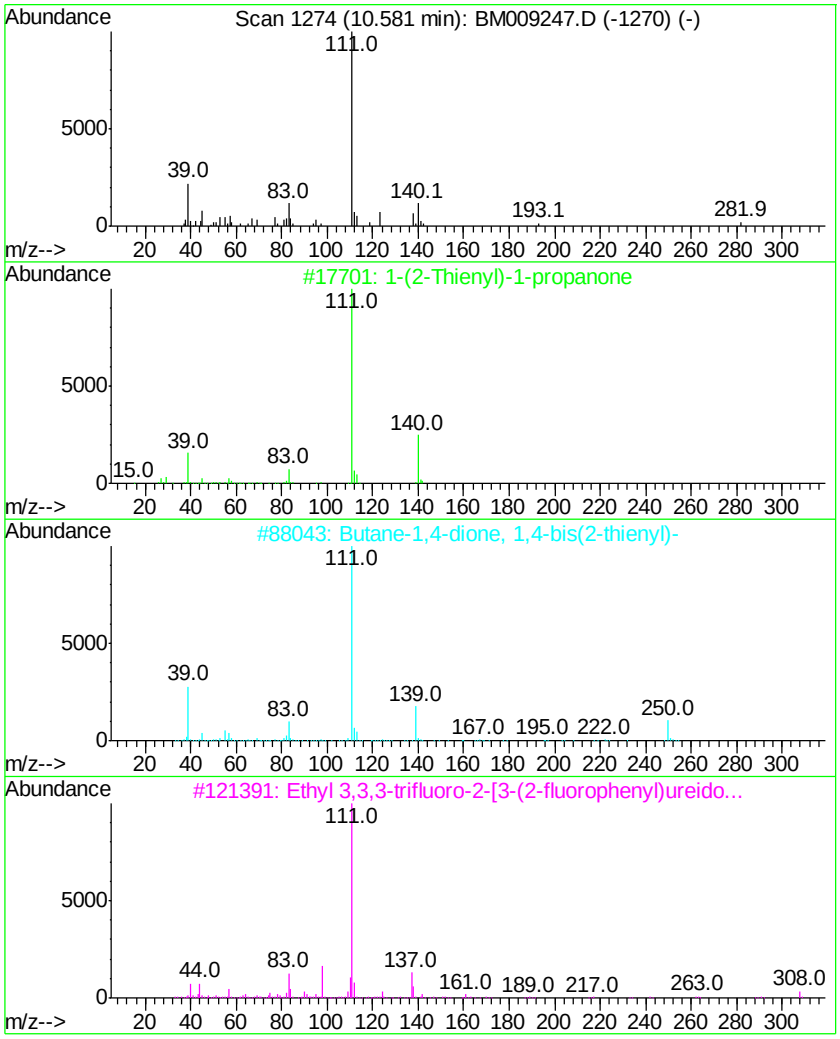
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

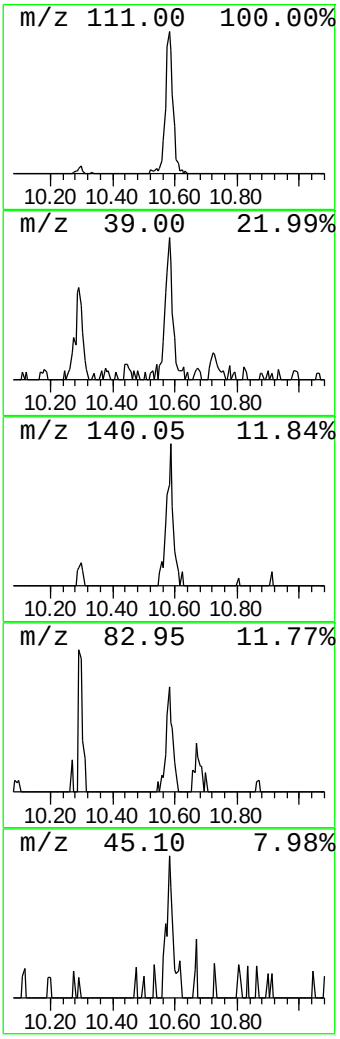
**********

Peak Number 2 1-(2-Thienyl)-1-propanone Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.58 | 2.09 ng/ul | 121519 | Naphthalene-d8 | 10.67 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-(2-Thienyl)-1-propanone | 140 | C7H8OS | 013679-75-9 | 72 |
| 2 | Butane-1,4-dione, 1,4-bis(2-thie... | 250 | C12H10O2S2 | 013669-05-1 | 64 |
| 3 | Ethyl 3,3,3-trifluoro-2-[3-(2-fl... | 308 | C12H12F4N2O3 | 1000225-32-1 | 64 |
| 4 | Thiophene-2-carboxamide, N-(2-ch... | 282 | C11H7ClN2O3S | 312592-64-6 | 59 |
| 5 | 4-Fluorophenyl 2-thiophenecarbox... | 222 | C11H7FO2S | 1000298-21-9 | 59 |



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM031317\
Data File : BM009247.D
Acq On : 14 Mar 2017 09:58
Operator : SJ/MA
Sample : I2181-17
Misc :
ALS Vial : 30 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0BD4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM-EPA-BM031317MA.M
Quant Title : SVOA CALIBRATION

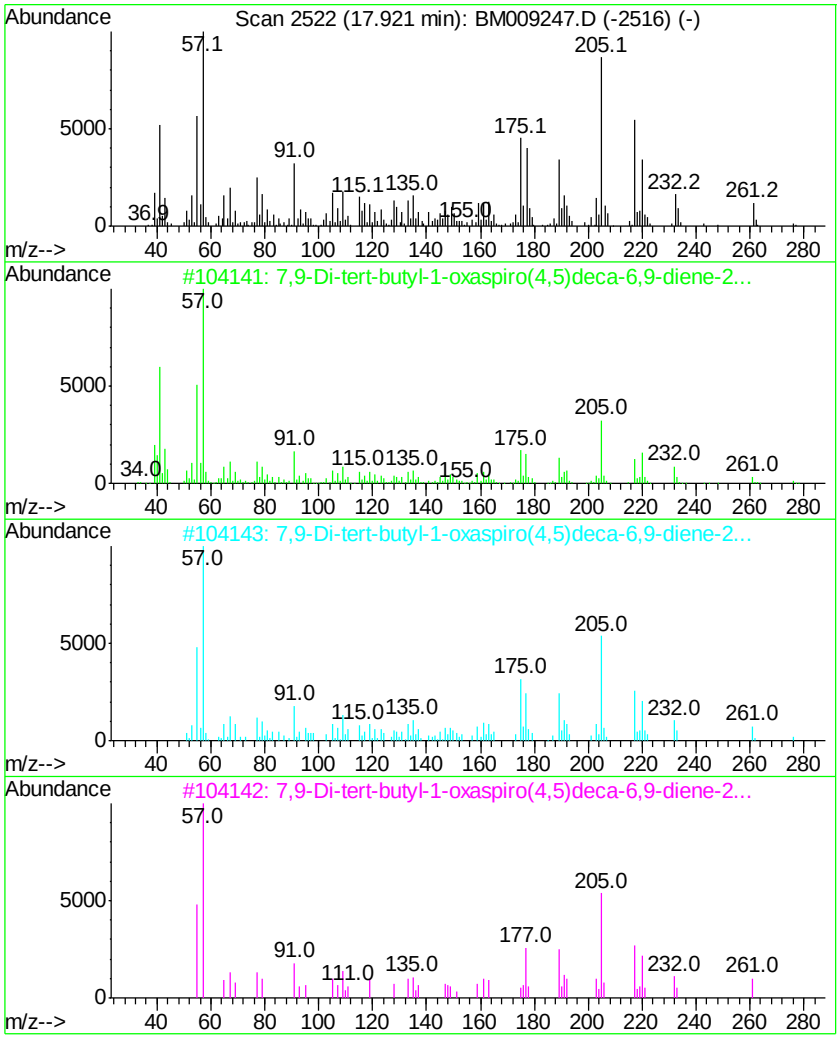
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

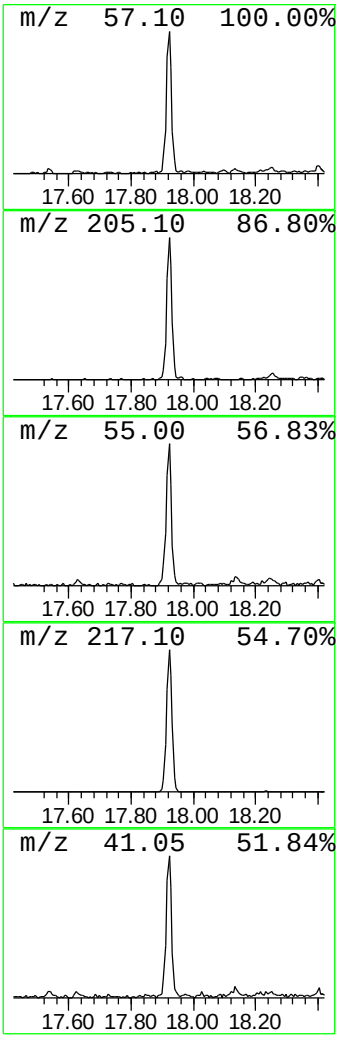
**********

Peak Number 3 7,9-Di-tert-butyl-1-oxaspir... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.92 | 8.70 ng/ul | 1141430 | Phenanthrene-d10 | 17.27 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 7,9-Di-tert-butyl-1-oxaspiro(4,5... | 276 | C17H24O3 | 082304-66-3 | 87 |
| 2 | 7,9-Di-tert-butyl-1-oxaspiro(4,5... | 276 | C17H24O3 | 082304-66-3 | 60 |
| 3 | 7,9-Di-tert-butyl-1-oxaspiro(4,5... | 276 | C17H24O3 | 082304-66-3 | 55 |
| 4 | 2,5-di-tert-Butyl-1,4-benzoquinone | 220 | C14H20O2 | 002460-77-7 | 47 |
| 5 | Ethanone, 1-(9-anthracenyl)- | 220 | C16H12O | 000784-04-3 | 46 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031317\
Data File : BM009247.D
Acq On : 14 Mar 2017 09:58
Operator : SJ/MA
Sample : I2181-17
Misc :
ALS Vial : 30 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0BD4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM-EPA-BM031317MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Phenol, 2-methoxy- | 8.97 | 5.4 | ng/ul | 201528 | 1 | 7.87 | 743753 | 20.0 |
| 1-(2-Thienyl)-1-p... | 10.58 | 2.1 | ng/ul | 121519 | 2 | 10.67 | 1161550 | 20.0 |
| 7,9-Di-tert-butyl... | 17.92 | 8.7 | ng/ul | 1141430 | 4 | 17.27 | 2622670 | 20.0 |