LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092316\
Data File : BM007540.D
Acq On : 24 Sep 2016 01:13
Operator : UM/SJ
Sample : H4855-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** H9010

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-BM092316.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 | 4.540 | 326 | 332 | 346 | rBV | 812693 | 1300948 | 10.96% | 1.274% |
| 2 | 6.957 | 738 | 743 | 752 | rVB | 254722 | 417487 | 3.52% | 0.409% |
| 3 | 7.116 | 764 | 770 | 782 | rBV | 862794 | 1384750 | 11.67% | 1.356% |
| 4 | 7.316 | 797 | 804 | 816 | rBV | 955424 | 1570236 | 13.23% | 1.538% |
| 5 | 7.781 | 876 | 883 | 893 | rBV | 1163906 | 1889231 | 15.92% | 1.850% |
| 6 | 8.487 | 996 | 1003 | 1016 | rBV | 767747 | 1303904 | 10.99% | 1.277% |
| 7 | 8.940 | 1072 | 1080 | 1090 | rBV | 1212907 | 2076364 | 17.50% | 2.033% |
| 8 | 9.657 | 1194 | 1202 | 1213 | rBV | 1091738 | 1876104 | 15.81% | 1.837% |
| 9 | 10.192 | 1284 | 1293 | 1310 | rBV | 1327409 | 2603582 | 21.94% | 2.549% |
| 10 | 10.563 | 1349 | 1356 | 1368 | rVB | 1770931 | 3043764 | 25.65% | 2.980% |
| 11 | 10.716 | 1375 | 1382 | 1395 | rBV | 95089 | 205635 | 1.73% | 0.201% |
| 12 | 13.827 | 1904 | 1911 | 1922 | rBV | 3574068 | 5216933 | 43.96% | 5.108% |
| 13 | 14.104 | 1950 | 1958 | 1970 | rBV | 3722836 | 5592814 | 47.13% | 5.476% |
| 14 | 14.416 | 2003 | 2011 | 2017 | rBV2 | 3017875 | 4805100 | 40.49% | 4.705% |
| 15 | 14.474 | 2017 | 2021 | 2035 | rVB | 371811 | 590407 | 4.98% | 0.578% |
| 16 | 14.627 | 2041 | 2047 | 2063 | rBV | 228525 | 533017 | 4.49% | 0.522% |
| 17 | 15.410 | 2172 | 2180 | 2191 | rBV | 5145796 | 7563324 | 63.73% | 7.406% |
| 18 | 15.533 | 2195 | 2201 | 2216 | rVV | 1955223 | 2976476 | 25.08% | 2.914% |
| 19 | 17.157 | 2470 | 2477 | 2487 | rBV2 | 4522826 | 6500196 | 54.77% | 6.365% |
| 20 | 17.257 | 2487 | 2494 | 2513 | rVB2 | 5960877 | 8764730 | 73.86% | 8.582% |
| 21 | 19.186 | 2817 | 2822 | 2828 | rBV | 88029 | 124406 | 1.05% | 0.122% |
| 22 | 19.551 | 2877 | 2884 | 2894 | rBV | 8049731 | 11335022 | 95.51% | 11.099% |
| 23 | 21.339 | 3182 | 3188 | 3198 | rBV2 | 7035105 | 9359311 | 78.87% | 9.164% |
| 24 | 23.462 | 3541 | 3549 | 3563 | rVV2 | 5901267 | 11867292 | 100.00% | 11.620% |
| 25 | 23.609 | 3566 | 3574 | 3588 | rVB | 4356602 | 8815631 | 74.29% | 8.632% |
| 26 | 24.109 | 3655 | 3659 | 3669 | rVB | 216774 | 412113 | 3.47% | 0.404% |

Sum of corrected areas: 102128777

LSC Report - Integrated Chromatogram

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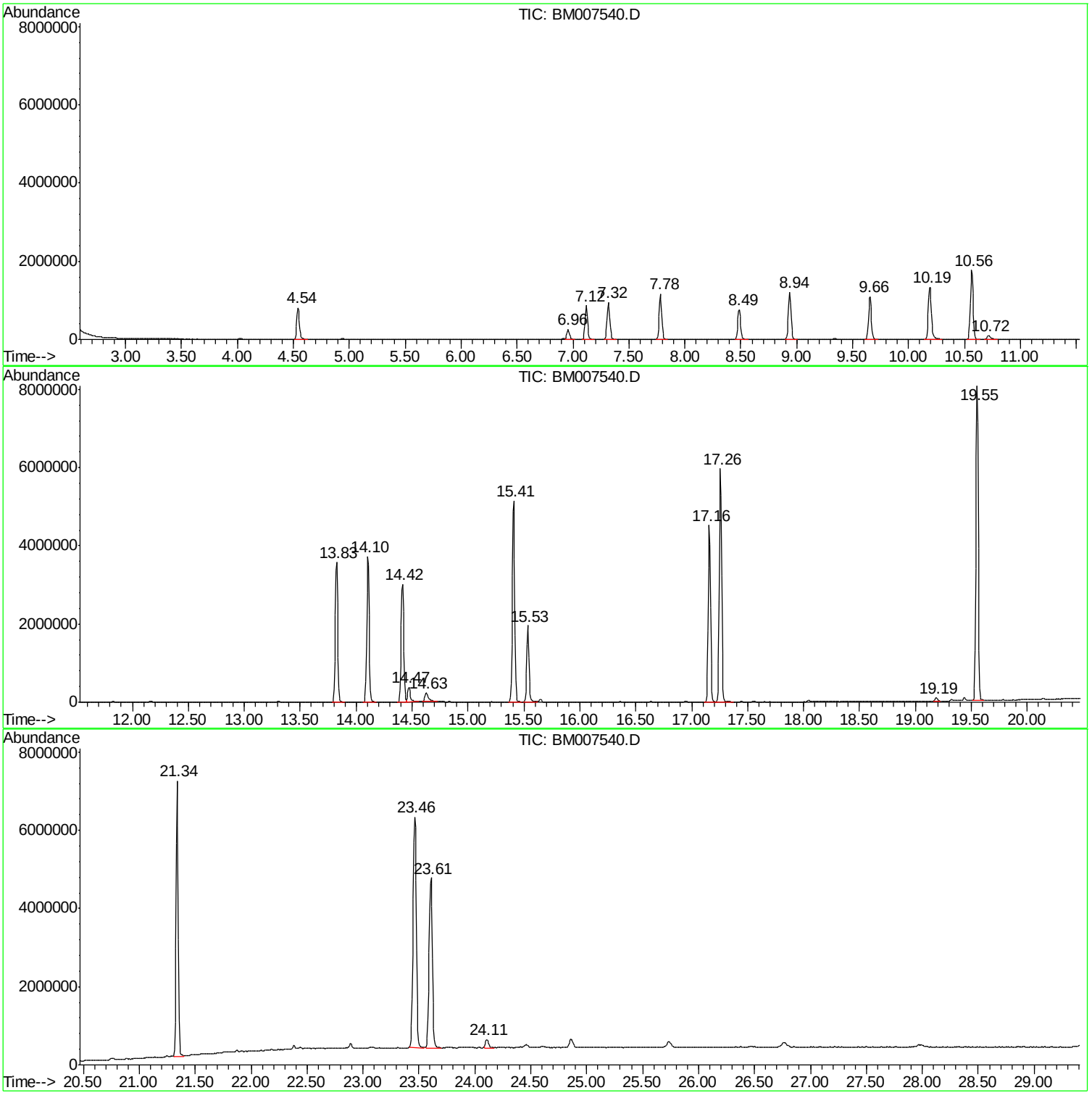
**ClientSampleId :** H9010

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092316.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

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Quant Title : SVOA CALIBRATION

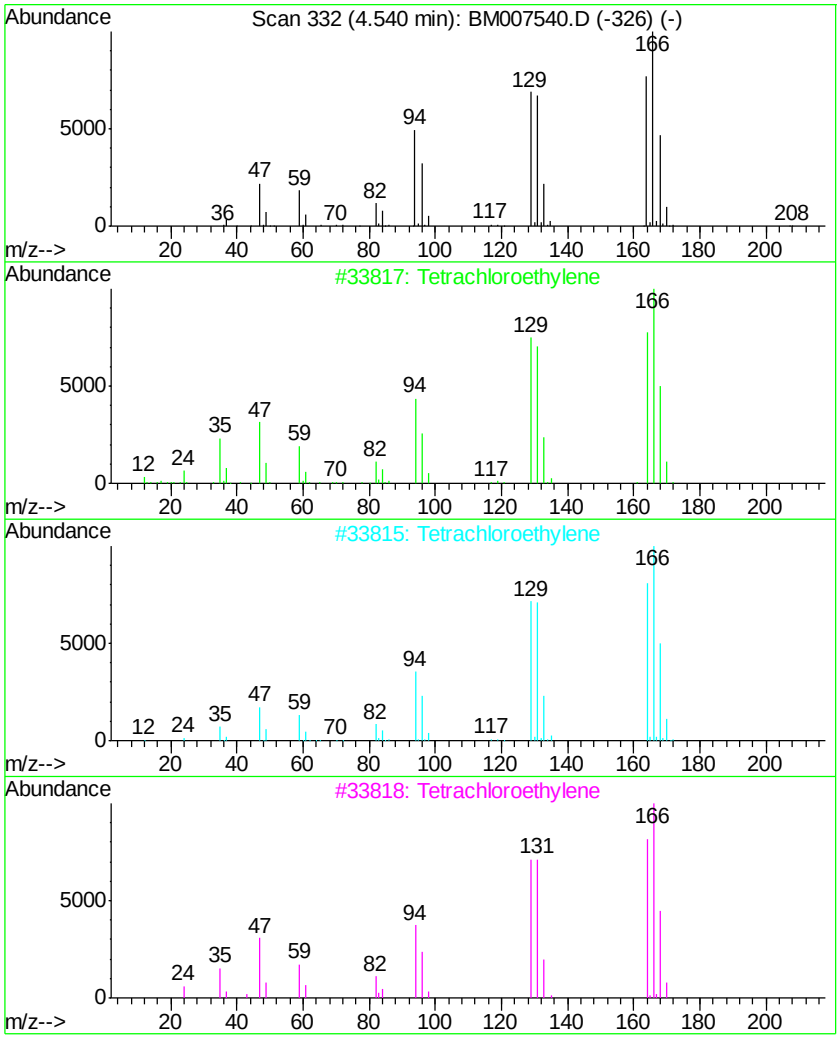
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

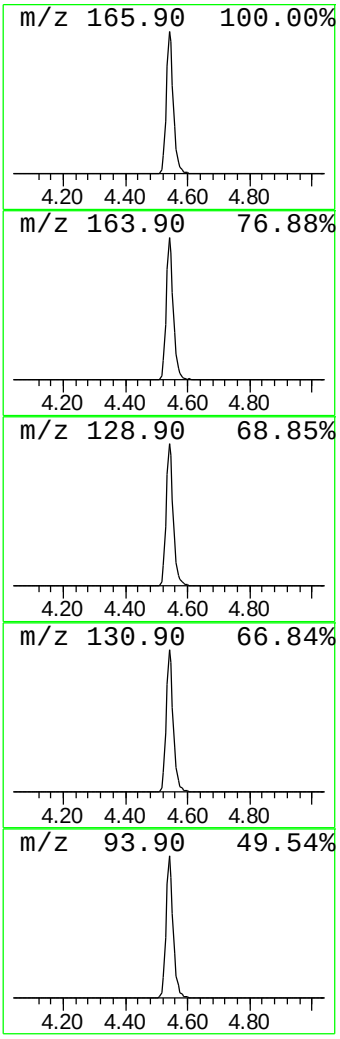
**********

Peak Number 1 Tetrachloroethylene Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.54 | 13.77 ng/ul | 1300950 | 1,4-Dichlorobenzene-d4 | 7.78 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetrachloroethylene | 164 | C2Cl4 | 000127-18-4 | 97 |
| 2 | Tetrachloroethylene | 164 | C2Cl4 | 000127-18-4 | 96 |
| 3 | Tetrachloroethylene | 164 | C2Cl4 | 000127-18-4 | 96 |
| 4 | Tetrachloroethylene | 164 | C2Cl4 | 000127-18-4 | 96 |
| 5 | Pyrimidine, 5-fluoro-2,4-dichloro- | 166 | C4HCl2FN2 | 002927-71-1 | 38 |



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**Instrument :** BNA_M
**ClientSampleId :** H9010

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092316.M
Quant Title : SVOA CALIBRATION

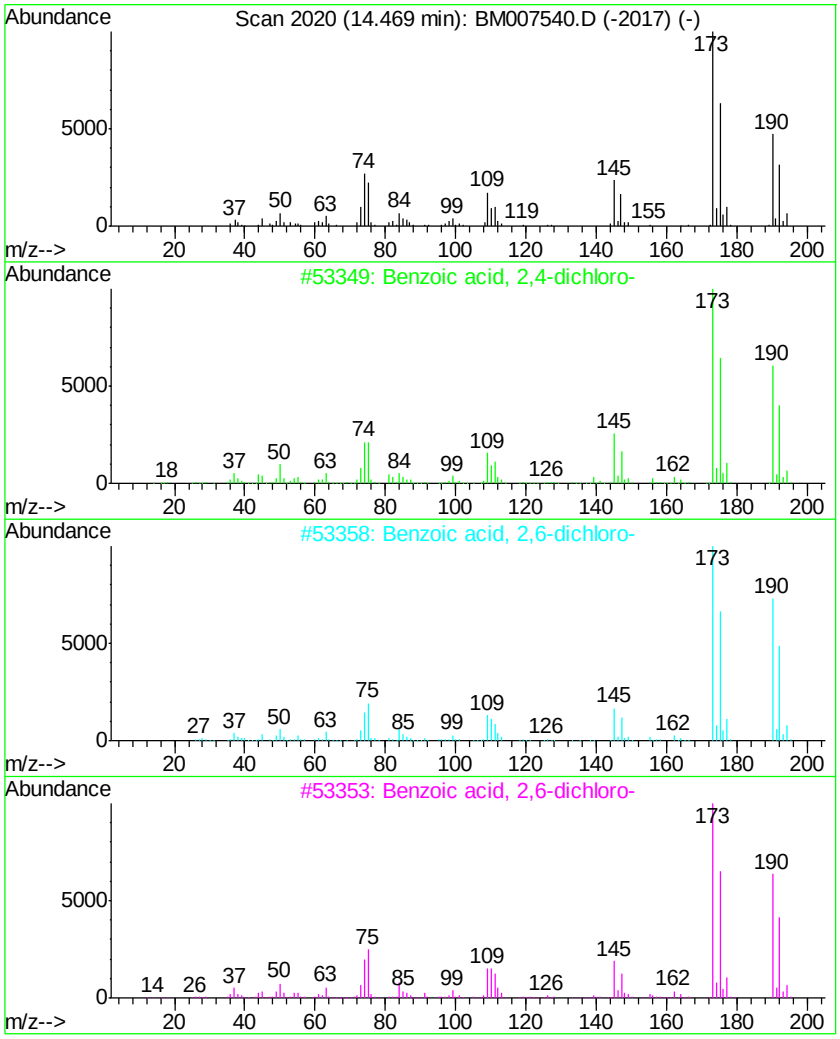
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

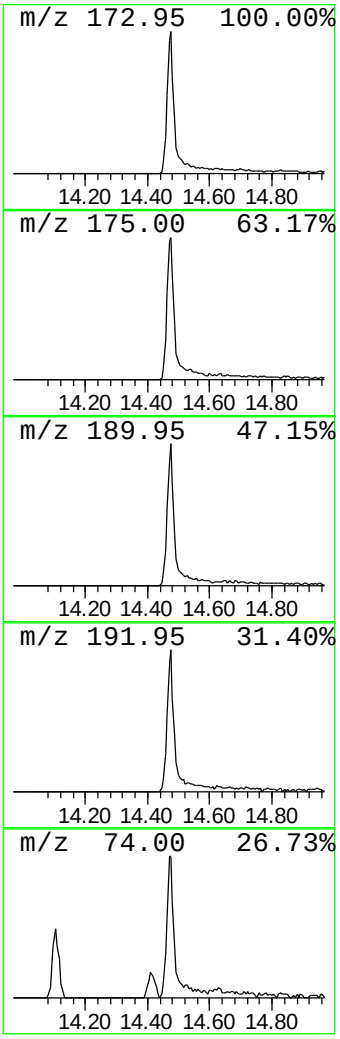
**********

Peak Number 2 Benzoic acid, 2,4-dichloro- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.47 | 2.46 ng/ul | 590407 | Acenaphthene-d10 | 14.42 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzoic acid, 2,4-dichloro- | 190 | C7H4Cl2O2 | 000050-84-0 | 96 |
| 2 | Benzoic acid, 2,6-dichloro- | 190 | C7H4Cl2O2 | 000050-30-6 | 94 |
| 3 | Benzoic acid, 2,6-dichloro- | 190 | C7H4Cl2O2 | 000050-30-6 | 94 |
| 4 | Benzoic acid, 2,6-dichloro- | 190 | C7H4Cl2O2 | 000050-30-6 | 93 |
| 5 | Benzoic acid, 2,5-dichloro- | 190 | C7H4Cl2O2 | 000050-79-3 | 92 |



Tentatively Identified Compound (LSC) summary

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Quant Title : SVOA CALIBRATION

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TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Tetrachloroethylene | 4.54 | 13.8 | ng/ul | 1300950 | 1 | 7.78 | 1889230 | 20.0 |
| Benzoic acid, 2,4... | 14.47 | 2.5 | ng/ul | 590407 | 3 | 14.42 | 4805100 | 20.0 |