LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121217\
Data File : BM013352.D
Acq On : 12 Dec 2017 23:00
Operator : SJ/JU
Sample : I6776-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F9A54

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-BM113017.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 | 6.863 | 636 | 642 | 655 | rVB2 | 681121 | 1294160 | 24.06% | 2.244% |
| 2 | 7.028 | 661 | 670 | 680 | rBV | 525566 | 817878 | 15.20% | 1.418% |
| 3 | 7.222 | 697 | 703 | 711 | rBV | 721829 | 1128947 | 20.99% | 1.957% |
| 4 | 7.687 | 774 | 782 | 789 | rBV | 725147 | 1166410 | 21.68% | 2.022% |
| 5 | 8.392 | 895 | 902 | 911 | rBV | 909119 | 1457804 | 27.10% | 2.528% |
| 6 | 8.839 | 971 | 978 | 988 | rVB | 728976 | 1196639 | 22.25% | 2.075% |
| 7 | 9.557 | 1093 | 1100 | 1108 | rBV | 615114 | 1015669 | 18.88% | 1.761% |
| 8 | 10.092 | 1181 | 1191 | 1199 | rBV | 915122 | 1560435 | 29.01% | 2.706% |
| 9 | 10.463 | 1247 | 1254 | 1261 | rBV | 1021360 | 1687236 | 31.37% | 2.925% |
| 10 | 10.604 | 1271 | 1278 | 1291 | rBV | 669303 | 1218798 | 22.66% | 2.113% |
| 11 | 13.739 | 1804 | 1811 | 1816 | rBV | 1771753 | 2471107 | 45.94% | 4.285% |
| 12 | 13.786 | 1816 | 1819 | 1827 | rVB | 284571 | 411856 | 7.66% | 0.714% |
| 13 | 14.016 | 1850 | 1858 | 1871 | rBV | 1928655 | 3014221 | 56.03% | 5.226% |
| 14 | 14.233 | 1890 | 1895 | 1900 | rVB2 | 70858 | 93598 | 1.74% | 0.162% |
| 15 | 14.327 | 1904 | 1911 | 1918 | rBV2 | 1569663 | 2352607 | 43.73% | 4.079% |
| 16 | 14.539 | 1940 | 1947 | 1963 | rBV | 692789 | 1183725 | 22.01% | 2.052% |
| 17 | 15.186 | 2053 | 2057 | 2062 | rVB | 93664 | 120437 | 2.24% | 0.209% |
| 18 | 15.321 | 2071 | 2080 | 2087 | rBV | 2458985 | 3521663 | 65.47% | 6.106% |
| 19 | 15.451 | 2096 | 2102 | 2112 | rBV | 663382 | 941274 | 17.50% | 1.632% |
| 20 | 15.568 | 2115 | 2122 | 2125 | rBV4 | 35768 | 70323 | 1.31% | 0.122% |
| 21 | 16.051 | 2200 | 2204 | 2212 | rVB3 | 100716 | 163911 | 3.05% | 0.284% |
| 22 | 17.074 | 2372 | 2378 | 2384 | rBV2 | 2095004 | 3084489 | 57.34% | 5.348% |
| 23 | 17.115 | 2384 | 2385 | 2389 | rVV | 66258 | 62253 | 1.16% | 0.108% |
| 24 | 17.174 | 2389 | 2395 | 2406 | rVB2 | 2778230 | 3989361 | 74.16% | 6.917% |
| 25 | 17.980 | 2527 | 2532 | 2537 | rBV2 | 219165 | 306697 | 5.70% | 0.532% |
| 26 | 19.015 | 2703 | 2708 | 2715 | rBV2 | 115869 | 184038 | 3.42% | 0.319% |
| 27 | 19.139 | 2719 | 2729 | 2735 | rBV | 454206 | 714233 | 13.28% | 1.238% |
| 28 | 19.262 | 2747 | 2750 | 2757 | rVB3 | 165347 | 247912 | 4.61% | 0.430% |
| 29 | 19.474 | 2780 | 2786 | 2790 | rBV | 3539100 | 5379321 | 100.00% | 9.327% |
| 30 | 19.574 | 2800 | 2803 | 2809 | rVB7 | 35152 | 59847 | 1.11% | 0.104% |
| 31 | 19.827 | 2842 | 2846 | 2850 | rBV5 | 47825 | 93706 | 1.74% | 0.162% |
| 32 | 19.868 | 2850 | 2853 | 2858 | rVB5 | 64102 | 75107 | 1.40% | 0.130% |
| 33 | 19.921 | 2858 | 2862 | 2866 | rVB | 231464 | 267661 | 4.98% | 0.464% |
| 34 | 19.968 | 2866 | 2870 | 2871 | rBV3 | 53540 | 78181 | 1.45% | 0.136% |

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Integration Parameters: LSCINT.P
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Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 20.156 | 2896 | 2902 | 2906 | rBV3 | 88421 | 159406 | 2.96% | 0.276% |
| 36 | 20.297 | 2922 | 2926 | 2929 | rBV2 | 82061 | 130354 | 2.42% | 0.226% |
| 37 | 20.456 | 2948 | 2953 | 2960 | rVB | 466592 | 608178 | 11.31% | 1.055% |
| 38 | 20.750 | 2999 | 3003 | 3008 | rVB3 | 85424 | 115931 | 2.16% | 0.201% |
| 39 | 20.956 | 3034 | 3038 | 3040 | rBV3 | 126290 | 153465 | 2.85% | 0.266% |
| 40 | 20.986 | 3040 | 3043 | 3048 | rVB2 | 326602 | 397645 | 7.39% | 0.689% |
| 41 | 21.268 | 3084 | 3091 | 3095 | rBV | 3066487 | 4378627 | 81.40% | 7.592% |
| 42 | 21.586 | 3139 | 3145 | 3149 | rBV5 | 146822 | 278278 | 5.17% | 0.483% |
| 43 | 22.444 | 3288 | 3291 | 3296 | rVB | 203207 | 265943 | 4.94% | 0.461% |
| 44 | 22.827 | 3351 | 3356 | 3361 | rBV | 527391 | 1033602 | 19.21% | 1.792% |
| 45 | 23.303 | 3432 | 3437 | 3440 | rBV | 208905 | 382287 | 7.11% | 0.663% |
| 46 | 23.356 | 3440 | 3446 | 3460 | rVB2 | 2315562 | 4894016 | 90.98% | 8.486% |
| 47 | 23.497 | 3463 | 3470 | 3478 | rBV | 1655653 | 3167657 | 58.89% | 5.492% |
| 48 | 24.027 | 3556 | 3560 | 3567 | rVB3 | 166849 | 277268 | 5.15% | 0.481% |

Sum of corrected areas: 57674161

LSC Report - Integrated Chromatogram

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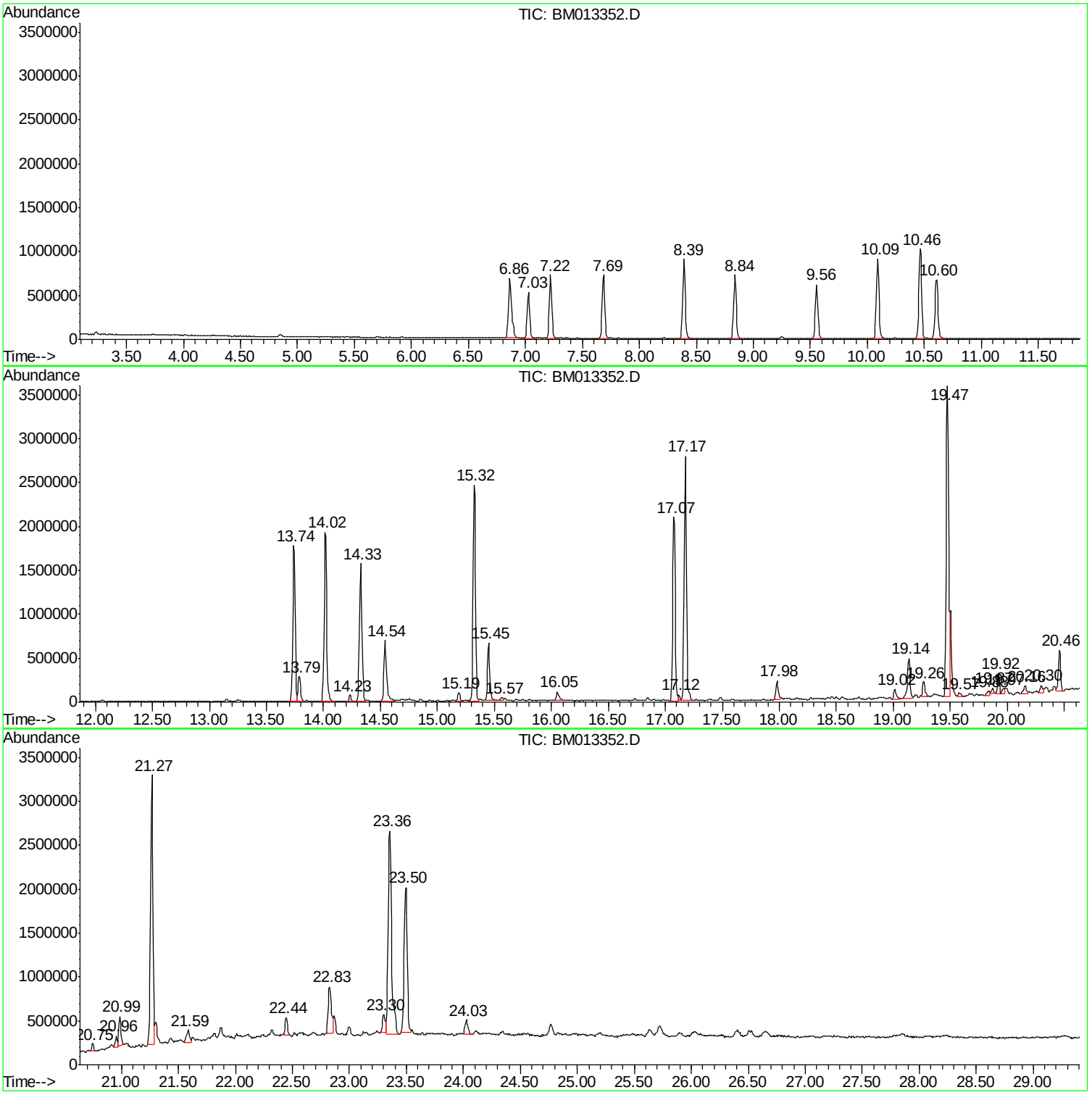
Sample : I6776-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F9A54

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.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\BM121217\
Data File : BM013352.D
Acq On : 12 Dec 2017 23:00
Operator : SJ/JU
Sample : I6776-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F9A54

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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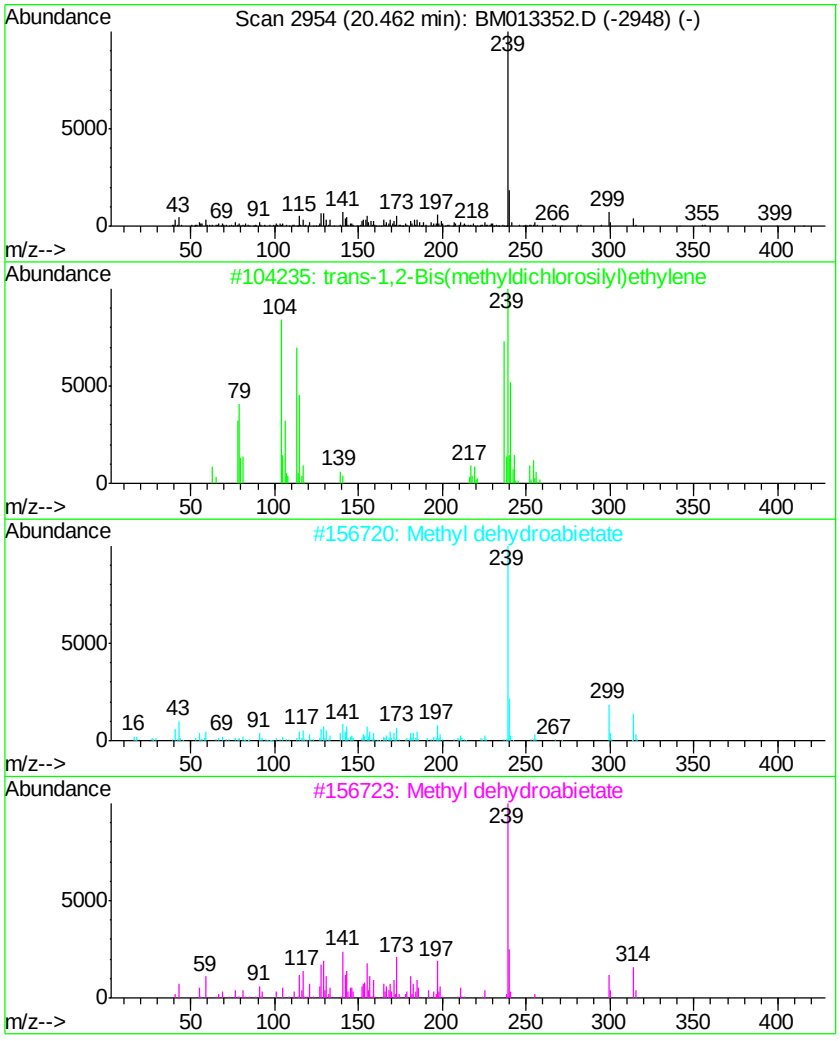
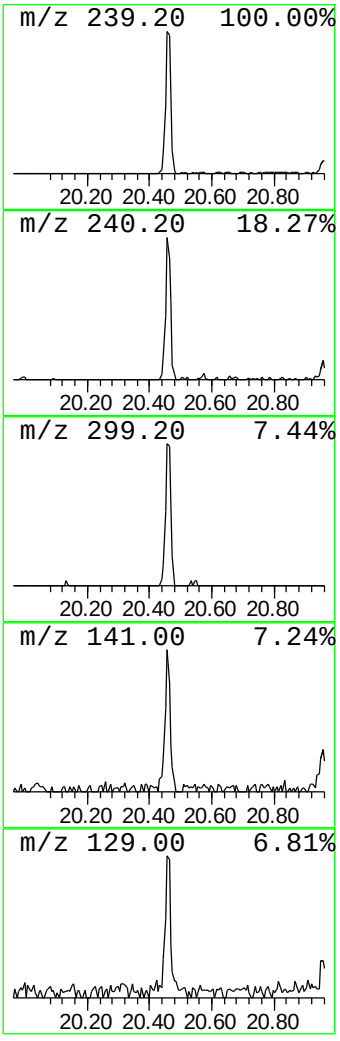
Peak Number 1 trans-1,2-Bis(methyldichlor... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.46 | 2.78 ng/ul | 608178 | Chrysene-d12 | 21.27 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | trans-1,2-Bis(methyldichlorosilv... | 252 | C4H8Cl4Si2 | 065899-10-7 | 93 |
| 2 | Methyl dehydroabietate | 314 | C21H30O2 | 001235-74-1 | 87 |
| 3 | Methyl dehydroabietate | 314 | C21H30O2 | 001235-74-1 | 60 |
| 4 | Methyl dehydroabietate | 314 | C21H30O2 | 001235-74-1 | 50 |
| 5 | Benzaldehyde, 3-[4-(1,1-dimethyl... | 254 | C17H18O2 | 069770-23-6 | 45 |



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**Instrument :** BNA_M
**ClientSampleId :** F9A54

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

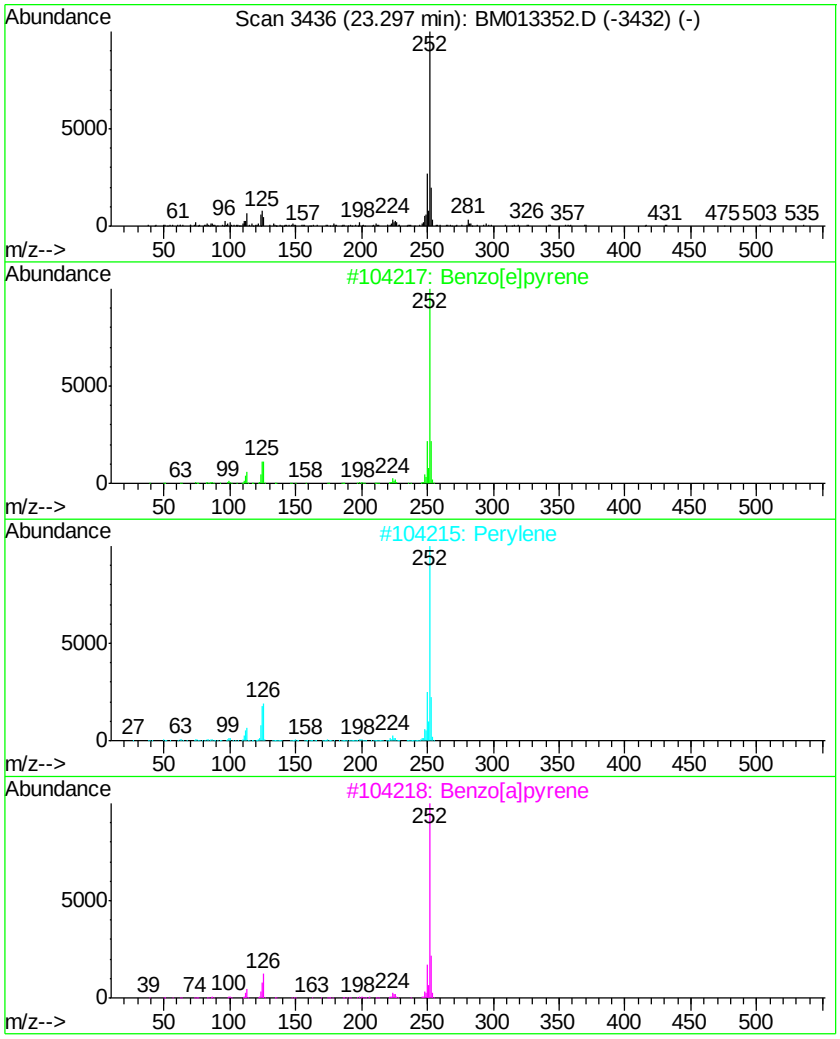
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

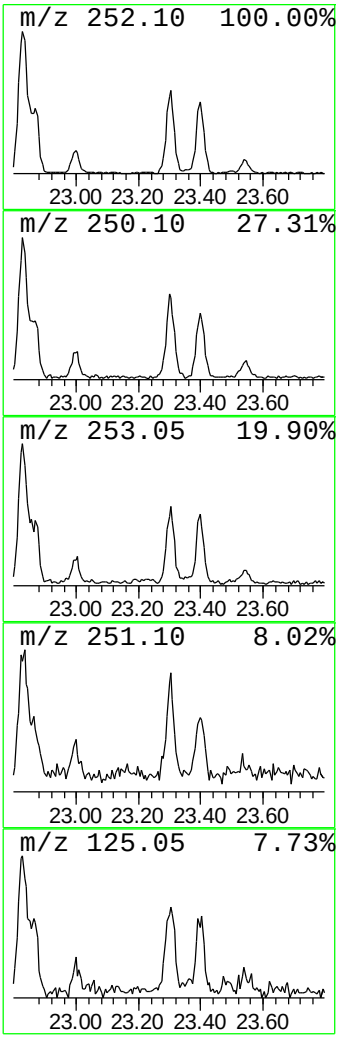
**********

Peak Number 2 Benzo[e]pyrene Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.30 | 2.41 ng/ul | 382287 | Perylene-d12 | 23.50 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 94 |
| 2 | Perylene | 252 | C20H12 | 000198-55-0 | 93 |
| 3 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 90 |
| 4 | Benzo[j]fluoranthene | 252 | C20H12 | 000205-82-3 | 89 |
| 5 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 89 |



Tentatively Identified Compound (LSC) summary

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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.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 |
| trans-1,2-Bis(met... | 20.46 | 2.8 | ng/ul | 608178 | 5 | 21.27 | 4378630 | 20.0 |
| Benzo[e]pyrene | 23.30 | 2.4 | ng/ul | 382287 | 6 | 23.50 | 3167660 | 20.0 |