LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060117\
Data File : BM010352.D
Acq On : 01 Jun 2017 13:12
Operator : SJ/MA
Sample : I3163-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** JHSF7

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-BM052717.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 | 3.381 | 47 | 50 | 57 | rBV | 51432 | 79623 | 1.23% | 0.082% |
| 2 | 6.563 | 583 | 591 | 599 | rBV | 126731 | 198523 | 3.07% | 0.206% |
| 3 | 7.104 | 675 | 683 | 695 | rBV | 919726 | 1553099 | 24.01% | 1.608% |
| 4 | 7.263 | 702 | 710 | 717 | rBV | 656778 | 1078937 | 16.68% | 1.117% |
| 5 | 7.457 | 736 | 743 | 754 | rBV | 1068705 | 1727271 | 26.70% | 1.788% |
| 6 | 7.922 | 813 | 822 | 834 | rBV | 1324410 | 2153525 | 33.29% | 2.229% |
| 7 | 8.022 | 834 | 839 | 846 | rVV2 | 61362 | 105654 | 1.63% | 0.109% |
| 8 | 8.639 | 935 | 944 | 956 | rBV | 900398 | 1564846 | 24.19% | 1.620% |
| 9 | 9.104 | 1015 | 1023 | 1032 | rBV | 905484 | 1581355 | 24.45% | 1.637% |
| 10 | 9.822 | 1137 | 1145 | 1152 | rBV | 847685 | 1428316 | 22.08% | 1.479% |
| 11 | 10.351 | 1228 | 1235 | 1247 | rBV | 1326965 | 2284989 | 35.33% | 2.365% |
| 12 | 10.728 | 1291 | 1299 | 1308 | rBV | 1581967 | 2743237 | 42.41% | 2.840% |
| 13 | 10.892 | 1320 | 1327 | 1338 | rBV | 483101 | 923069 | 14.27% | 0.956% |
| 14 | 13.498 | 1764 | 1770 | 1777 | rBV7 | 28503 | 71891 | 1.11% | 0.074% |
| 15 | 13.968 | 1840 | 1850 | 1854 | rBV | 2477208 | 3321065 | 51.34% | 3.438% |
| 16 | 14.016 | 1854 | 1858 | 1866 | rVB | 468466 | 642824 | 9.94% | 0.665% |
| 17 | 14.251 | 1891 | 1898 | 1909 | rBV | 2440532 | 3692438 | 57.09% | 3.822% |
| 18 | 14.386 | 1918 | 1921 | 1925 | rVB2 | 48192 | 65741 | 1.02% | 0.068% |
| 19 | 14.557 | 1943 | 1950 | 1960 | rBV2 | 2294620 | 3727185 | 57.62% | 3.858% |
| 20 | 14.763 | 1980 | 1985 | 1986 | rBV4 | 106518 | 124097 | 1.92% | 0.128% |
| 21 | 14.798 | 1986 | 1991 | 1996 | rVV | 397439 | 621333 | 9.61% | 0.643% |
| 22 | 14.945 | 2012 | 2016 | 2020 | rBV7 | 30831 | 64973 | 1.00% | 0.067% |
| 23 | 15.333 | 2079 | 2082 | 2086 | rVB2 | 78456 | 91982 | 1.42% | 0.095% |
| 24 | 15.545 | 2111 | 2118 | 2126 | rVB | 3257247 | 4603537 | 71.17% | 4.765% |
| 25 | 15.668 | 2131 | 2139 | 2145 | rBV | 838447 | 1168738 | 18.07% | 1.210% |
| 26 | 15.780 | 2155 | 2158 | 2163 | rVB4 | 49884 | 68406 | 1.06% | 0.071% |
| 27 | 16.092 | 2204 | 2211 | 2216 | rBV8 | 43908 | 96196 | 1.49% | 0.100% |
| 28 | 16.198 | 2223 | 2229 | 2235 | rBV | 115598 | 220783 | 3.41% | 0.229% |
| 29 | 16.245 | 2235 | 2237 | 2246 | rVB5 | 49995 | 88379 | 1.37% | 0.091% |
| 30 | 16.657 | 2304 | 2307 | 2312 | rBV6 | 58463 | 77091 | 1.19% | 0.080% |
| 31 | 16.986 | 2359 | 2363 | 2366 | rBV6 | 50125 | 74683 | 1.15% | 0.077% |
| 32 | 17.151 | 2387 | 2391 | 2399 | rBV5 | 124304 | 242337 | 3.75% | 0.251% |
| 33 | 17.215 | 2399 | 2402 | 2408 | rVV7 | 94207 | 134190 | 2.07% | 0.139% |
| 34 | 17.298 | 2410 | 2416 | 2427 | rVV | 2821217 | 4217642 | 65.21% | 4.366% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060117\
Data File : BM010352.D
Acq On : 01 Jun 2017 13:12
Operator : SJ/MA
Sample : I3163-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** JHSF7

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-BM052717.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 17.398 | 2427 | 2433 | 2444 | rVV2 | 3560079 | 5041697 | 77.95% | 5.219% |
| 36 | 17.486 | 2444 | 2448 | 2453 | rVB8 | 59889 | 86090 | 1.33% | 0.089% |
| 37 | 17.898 | 2511 | 2518 | 2520 | rBV8 | 51856 | 106761 | 1.65% | 0.111% |
| 38 | 17.921 | 2520 | 2522 | 2531 | rVB10 | 43231 | 96194 | 1.49% | 0.100% |
| 39 | 18.033 | 2535 | 2541 | 2548 | rBV4 | 198718 | 395918 | 6.12% | 0.410% |
| 40 | 18.098 | 2548 | 2552 | 2556 | rBV2 | 104400 | 148806 | 2.30% | 0.154% |
| 41 | 18.151 | 2556 | 2561 | 2567 | rBV | 742686 | 1069590 | 16.54% | 1.107% |
| 42 | 18.209 | 2567 | 2571 | 2579 | rVB6 | 152979 | 239365 | 3.70% | 0.248% |
| 43 | 18.327 | 2586 | 2591 | 2597 | rVB8 | 163308 | 233037 | 3.60% | 0.241% |
| 44 | 18.386 | 2598 | 2601 | 2604 | rBV4 | 57853 | 69928 | 1.08% | 0.072% |
| 45 | 18.456 | 2605 | 2613 | 2622 | rVV4 | 602142 | 1147924 | 17.75% | 1.188% |
| 46 | 18.562 | 2627 | 2631 | 2635 | rVV7 | 83369 | 141001 | 2.18% | 0.146% |
| 47 | 18.609 | 2635 | 2639 | 2642 | rBV5 | 99456 | 116844 | 1.81% | 0.121% |
| 48 | 18.727 | 2657 | 2659 | 2661 | rBV3 | 92732 | 87509 | 1.35% | 0.091% |
| 49 | 18.839 | 2675 | 2678 | 2681 | rVB4 | 113969 | 136552 | 2.11% | 0.141% |
| 50 | 18.886 | 2681 | 2686 | 2690 | rVB | 1057096 | 1329423 | 20.55% | 1.376% |
| 51 | 19.003 | 2704 | 2706 | 2708 | rBV3 | 53602 | 65063 | 1.01% | 0.067% |
| 52 | 19.080 | 2715 | 2719 | 2724 | rBV | 2277339 | 2784144 | 43.04% | 2.882% |
| 53 | 19.121 | 2724 | 2726 | 2730 | rVB4 | 138758 | 138956 | 2.15% | 0.144% |
| 54 | 19.327 | 2754 | 2761 | 2764 | rBV7 | 254635 | 499263 | 7.72% | 0.517% |
| 55 | 19.380 | 2766 | 2770 | 2773 | rVV | 507903 | 723440 | 11.18% | 0.749% |
| 56 | 19.415 | 2773 | 2776 | 2778 | rVV3 | 331311 | 399998 | 6.18% | 0.414% |
| 57 | 19.445 | 2778 | 2781 | 2790 | rVB | 1099965 | 1425244 | 22.03% | 1.475% |
| 58 | 19.527 | 2792 | 2795 | 2801 | rBV7 | 159574 | 226098 | 3.50% | 0.234% |
| 59 | 19.686 | 2817 | 2822 | 2835 | rBV | 4485594 | 6260488 | 96.79% | 6.481% |
| 60 | 19.898 | 2855 | 2858 | 2862 | rVB4 | 168309 | 228056 | 3.53% | 0.236% |
| 61 | 20.150 | 2898 | 2901 | 2906 | rVB4 | 255607 | 332541 | 5.14% | 0.344% |
| 62 | 20.203 | 2906 | 2910 | 2916 | rBV9 | 205362 | 276026 | 4.27% | 0.286% |
| 63 | 20.280 | 2919 | 2923 | 2929 | rBV7 | 189433 | 414180 | 6.40% | 0.429% |
| 64 | 20.350 | 2932 | 2935 | 2938 | rVV3 | 319053 | 428186 | 6.62% | 0.443% |
| 65 | 20.392 | 2939 | 2942 | 2947 | rVB | 635789 | 842074 | 13.02% | 0.872% |
| 66 | 20.627 | 2978 | 2982 | 2987 | rBV | 392661 | 661768 | 10.23% | 0.685% |
| 67 | 20.786 | 3005 | 3009 | 3011 | rBV3 | 257417 | 330871 | 5.12% | 0.343% |
| 68 | 20.856 | 3017 | 3021 | 3033 | rVB2 | 750547 | 1651725 | 25.54% | 1.710% |
| 69 | 21.015 | 3044 | 3048 | 3052 | rBV5 | 436087 | 626012 | 9.68% | 0.648% |
| 70 | 21.109 | 3061 | 3064 | 3065 | rBV2 | 321540 | 375189 | 5.80% | 0.388% |
| 71 | 21.139 | 3065 | 3069 | 3081 | rVB2 | 3442416 | 5588395 | 86.40% | 5.785% |

LSC Area Percent Report

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Acq On : 01 Jun 2017 13:12
Operator : SJ/MA
Sample : I3163-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** JHSF7

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-BM052717.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 21.386 | 3109 | 3111 | 3115 | rBV4 | 236165 | 302612 | 4.68% | 0.313% |
| 73 | 21.427 | 3115 | 3118 | 3120 | rVV3 | 466196 | 586205 | 9.06% | 0.607% |
| 74 | 21.462 | 3120 | 3124 | 3132 | rVB | 4567544 | 5613500 | 86.79% | 5.811% |
| 75 | 21.986 | 3210 | 3213 | 3217 | rVB | 492991 | 505149 | 7.81% | 0.523% |
| 76 | 22.033 | 3217 | 3221 | 3227 | rBV5 | 507033 | 1035077 | 16.00% | 1.071% |
| 77 | 22.974 | 3378 | 3381 | 3386 | rVB | 694570 | 959470 | 14.83% | 0.993% |
| 78 | 23.662 | 3492 | 3498 | 3505 | rVB2 | 3432019 | 6468245 | 100.00% | 6.696% |
| 79 | 23.809 | 3518 | 3523 | 3532 | rVB | 2814479 | 5569121 | 86.10% | 5.765% |

Sum of corrected areas: 96601690

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060117\
Data File : BM010352.D
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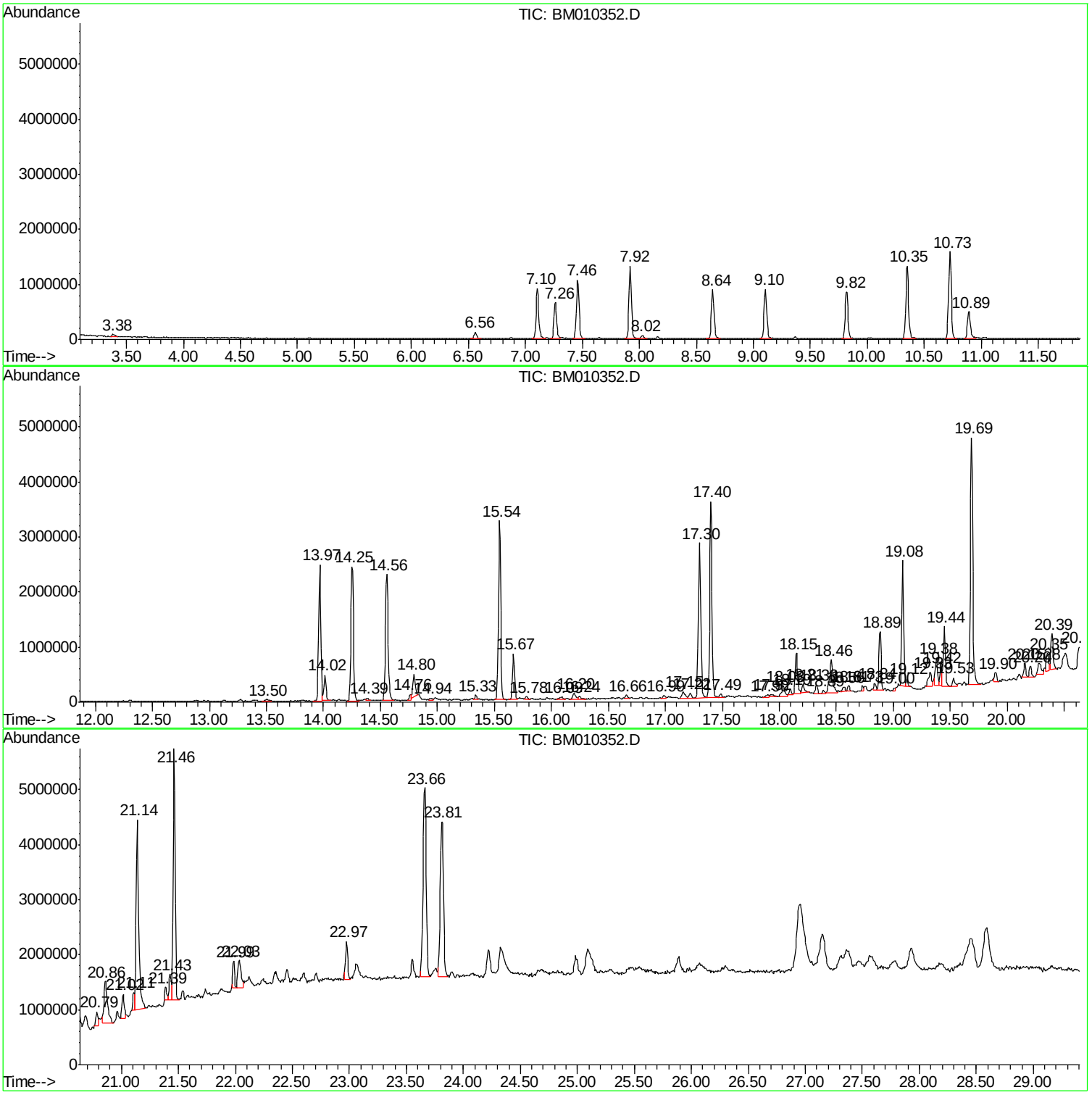
Operator : SJ/MA
Sample : I3163-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** JHSF7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.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\BM060117\
Data File : BM010352.D
Acq On : 01 Jun 2017 13:12
Operator : SJ/MA
Sample : I3163-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** JHSF7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

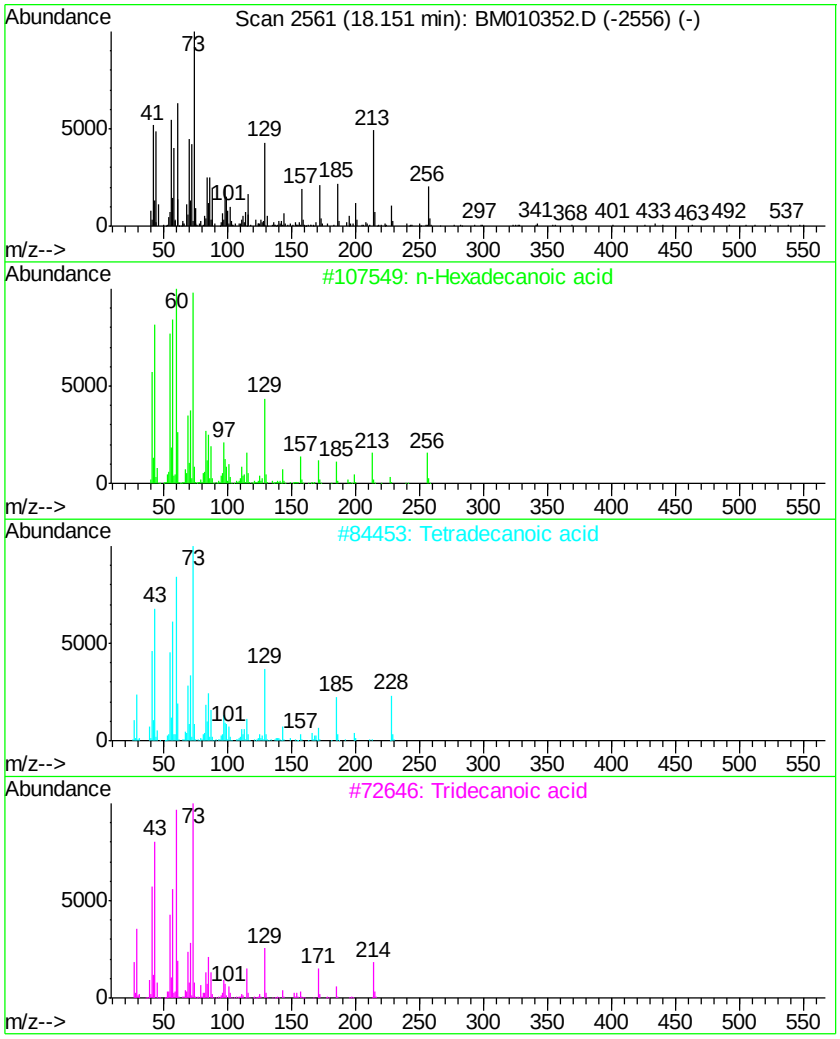
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

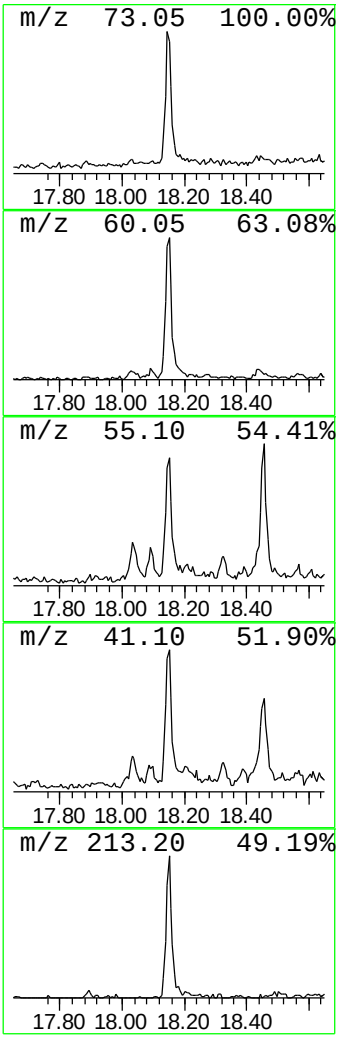
**********

Peak Number 1 n-Hexadecanoic acid Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.15 | 5.07 ng/ul | 1069590 | Phenanthrene-d10 | 17.30 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 96 |
| 2 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 90 |
| 3 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 78 |
| 4 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 50 |
| 5 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 49 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060117\
Data File : BM010352.D
Acq On : 01 Jun 2017 13:12
Operator : SJ/MA
Sample : I3163-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** JHSF7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

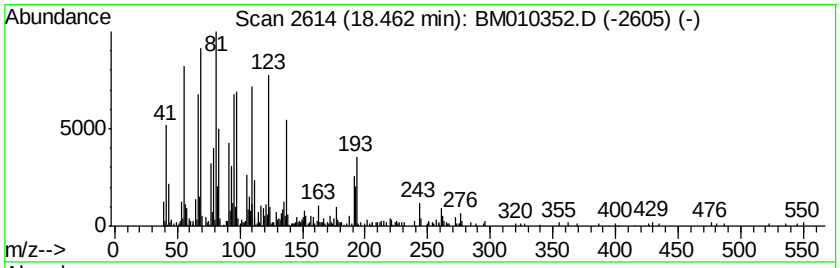
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

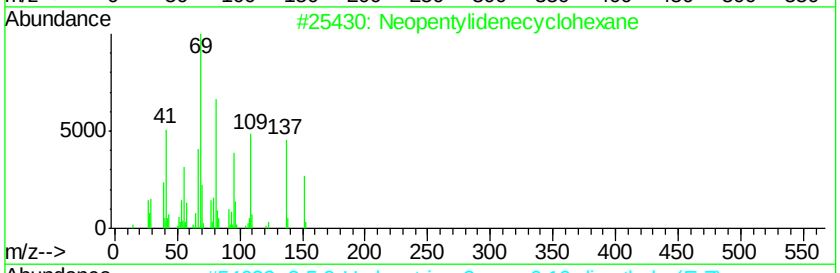
**********

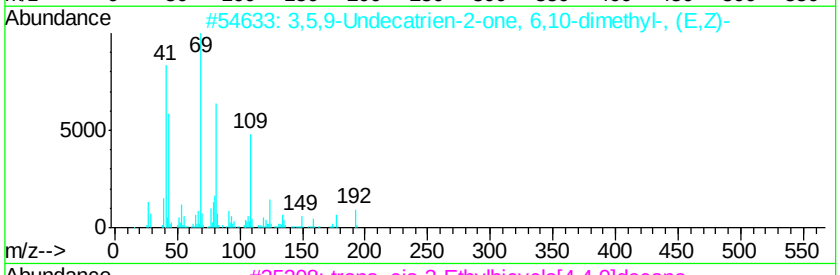
Peak Number 2 Neopentylidenecyclohexane Concentration Rank 5

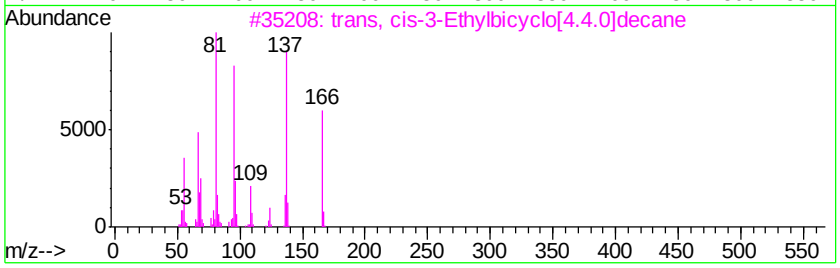
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.46 | 5.44 ng/ul | 1147920 | Phenanthrene-d10 | 17.30 |

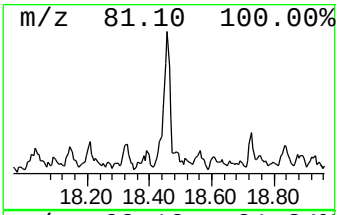
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Neopentylidenecyclohexane | 152 | C11H20 | 039546-80-0 | 58 |
| 2 | 3,5,9-Undecatrien-2-one, 6,10-di... | 192 | C13H20O | 013927-47-4 | 45 |
| 3 | trans, cis-3-Ethylbicyclo[4.4.0]... | 166 | C12H22 | 066660-43-3 | 42 |
| 4 | photocitral B | 152 | C10H16O | 006040-45-5 | 41 |
| 5 | 2-Cyclohexene-1-carboxaldehyde, ... | 152 | C10H16O | 000432-24-6 | 30 |

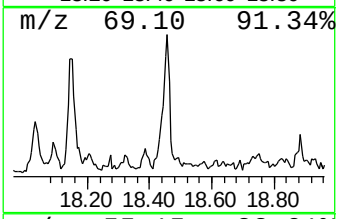


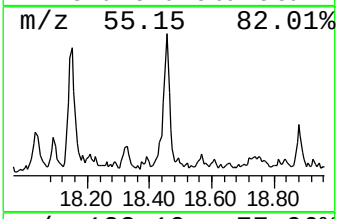



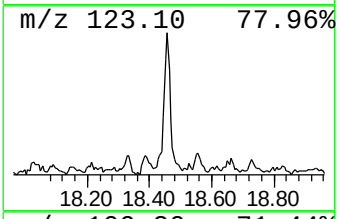



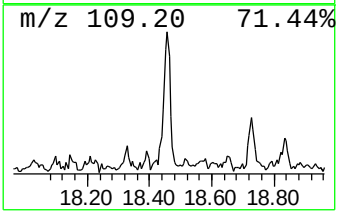



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Sample : I3163-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** JHSF7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

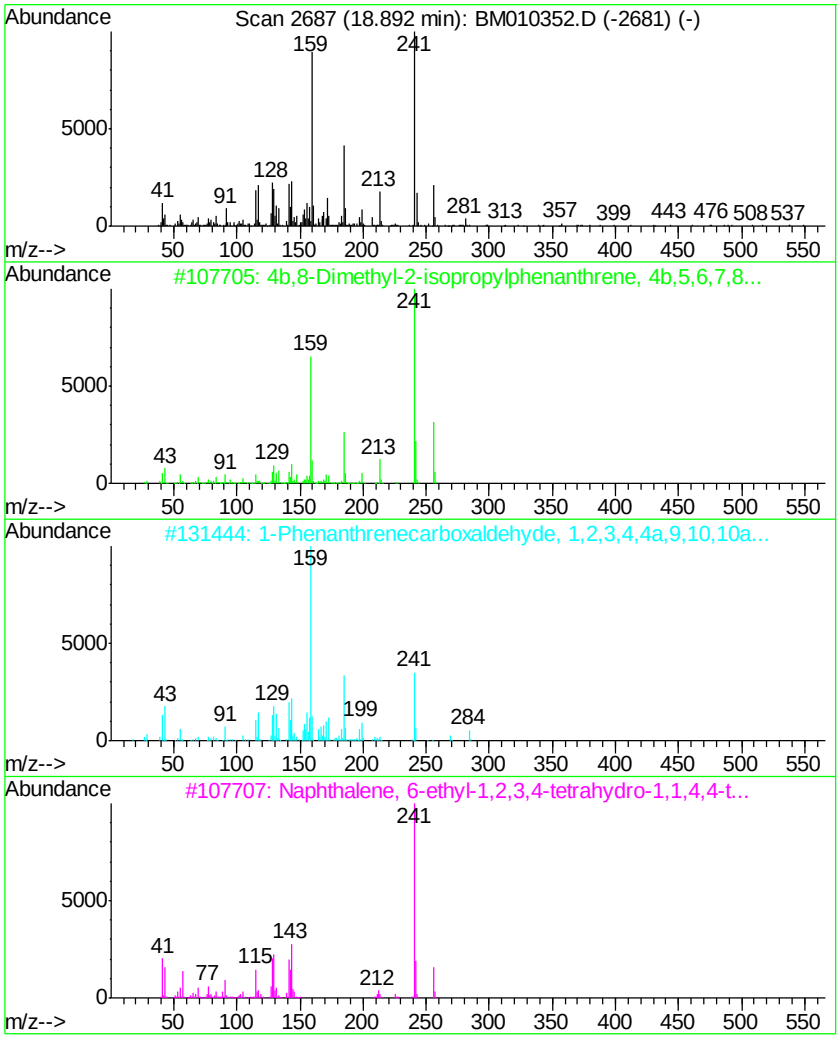
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

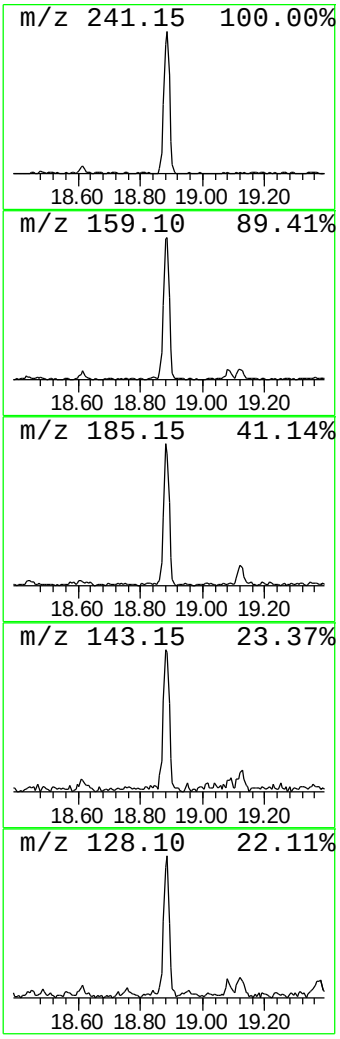
**********

Peak Number 3 4b,8-Dimethyl-2-isopropylph... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.89 | 6.30 ng/ul | 1329420 | Phenanthrene-d10 | 17.30 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4b,8-Dimethyl-2-isopropylphenant... | 256 | C19H28 | 1000197-14-1 | 64 |
| 2 | 1-Phenanthrenecarboxaldehyde, 1,... | 284 | C20H28O | 024035-50-5 | 47 |
| 3 | Naphthalene, 6-ethyl-1,2,3,4-tet... | 256 | C19H28 | 301643-35-6 | 43 |
| 4 | 3,4-Dihydro-3,3-dimethyl-1,9(2H,... | 241 | C15H15NO2 | 1000212-95-2 | 38 |
| 5 | 1H-Indene, 2,3-dihydro-1,1-dimet... | 214 | C16H22 | 055030-58-5 | 35 |



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060117\
Data File : BM010352.D
Acq On : 01 Jun 2017 13:12
Operator : SJ/MA
Sample : I3163-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** JHSF7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

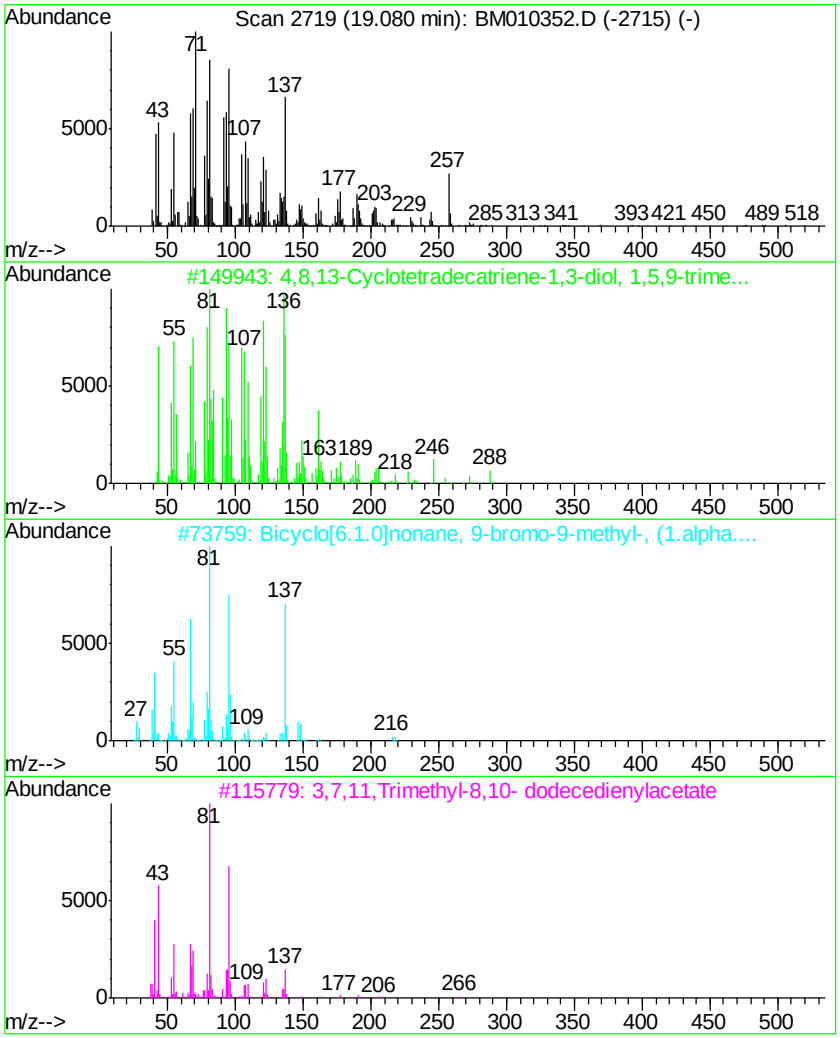
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

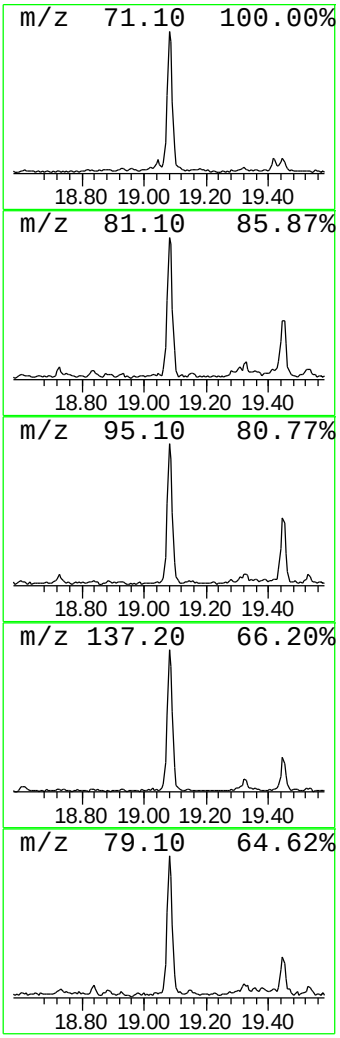
**********

Peak Number 4 unknown-01 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.08 | 13.20 ng/ul | 2784140 | Phenanthrene-d10 | 17.30 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4,8,13-Cyclotetradecatriene-1,3-... | 306 | C20H34O2 | 007220-78-2 | 46 |
| 2 | Bicyclo[6.1.0]nonane, 9-bromo-9-... | 216 | C10H17Br | 059474-03-2 | 43 |
| 3 | 3,7,11,Trimethyl-8,10- dodecedie... | 266 | C17H30O2 | 1000374-10-3 | 43 |
| 4 | 1-Naphthalenepropanol, .alpha.-e... | 290 | C20H34O | 001438-62-6 | 41 |
| 5 | cis,trans-3-Ethylbicyclo[4.4.0]d... | 166 | C12H22 | 066660-41-1 | 38 |



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060117\
Data File : BM010352.D
Acq On : 01 Jun 2017 13:12
Operator : SJ/MA
Sample : I3163-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** JHSF7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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

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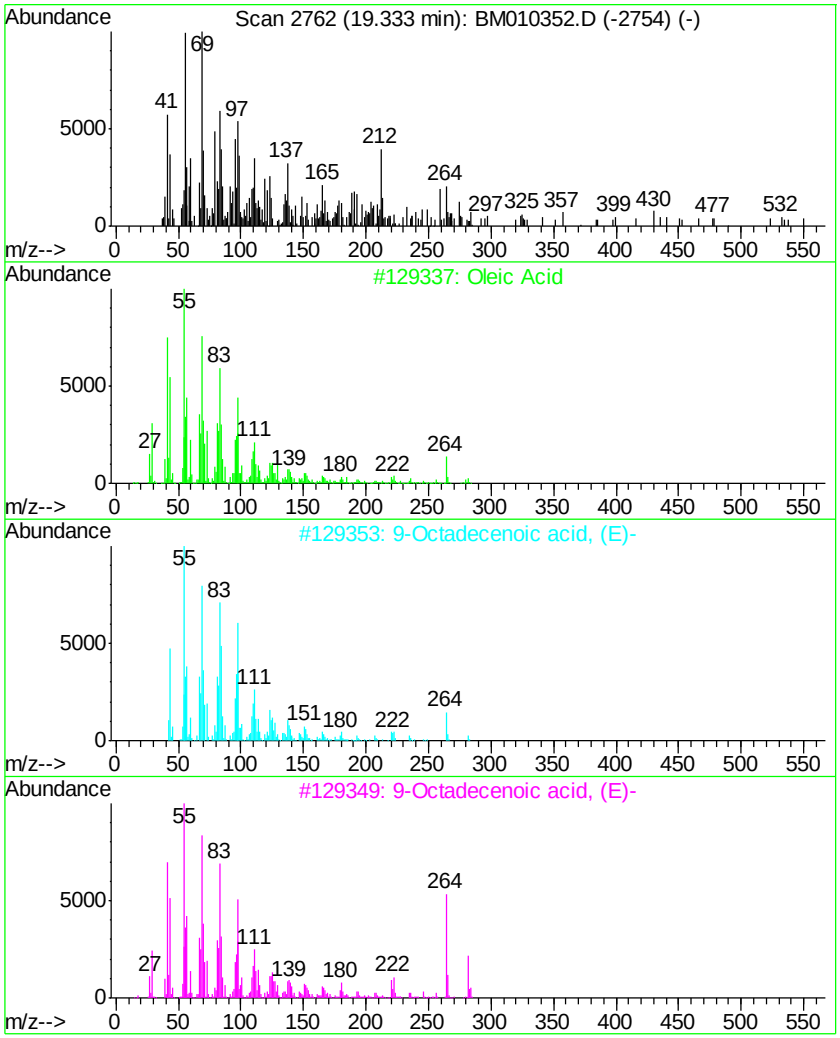
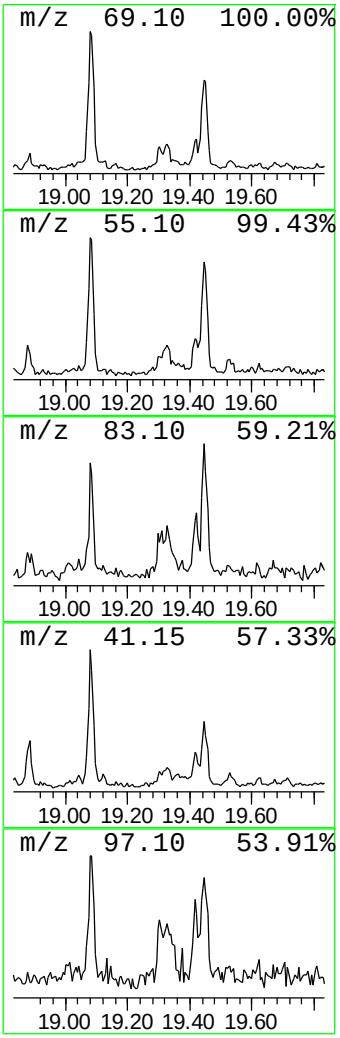
Peak Number 5 Oleic Acid Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.33 | 2.37 ng/ul | 499263 | Phenanthrene-d10 | 17.30 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Oleic Acid | 282 | C18H34O2 | 000112-80-1 | 58 |
| 2 | 9-Octadecenoic acid, (E)- | 282 | C18H34O2 | 000112-79-8 | 46 |
| 3 | 9-Octadecenoic acid, (E)- | 282 | C18H34O2 | 000112-79-8 | 38 |
| 4 | 3,7-Dimethyldibenzothiophene | 212 | C14H12S | 001136-85-2 | 30 |
| 5 | Naphtho[2,3-b]thiophene, 4,9-dim... | 212 | C14H12S | 016587-34-1 | 25 |



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060117\
Data File : BM010352.D
Acq On : 01 Jun 2017 13:12
Operator : SJ/MA
Sample : I3163-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** JHSF7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

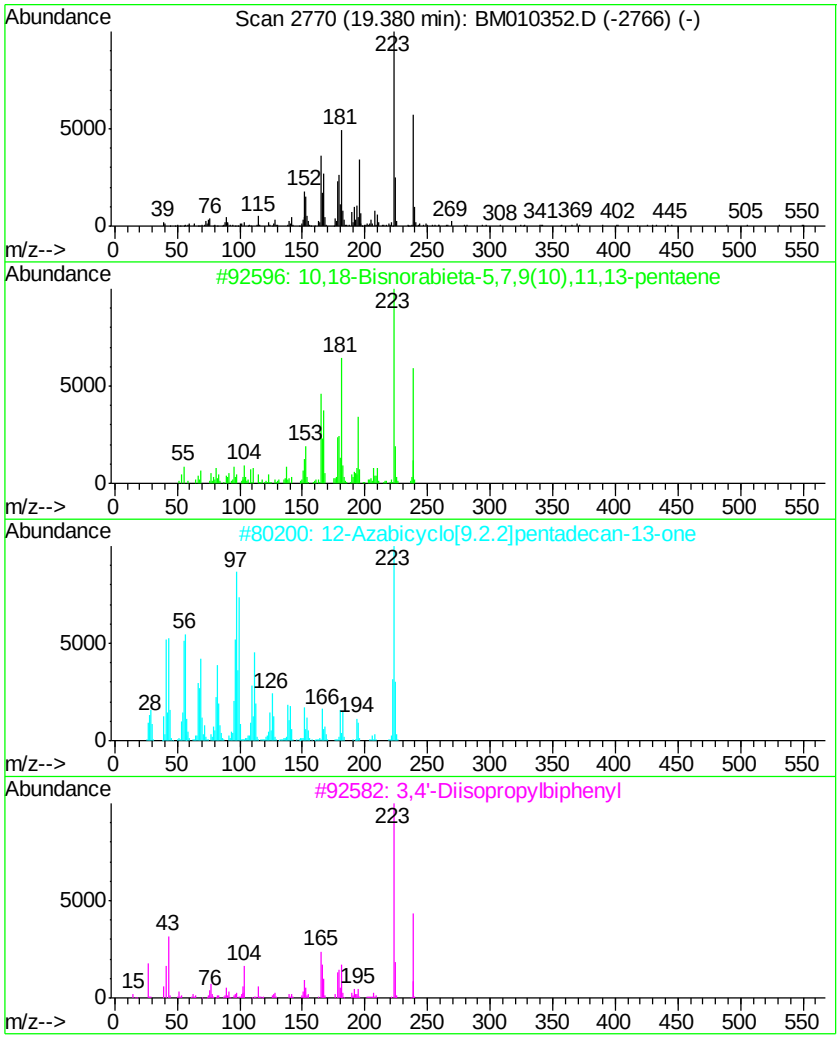
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

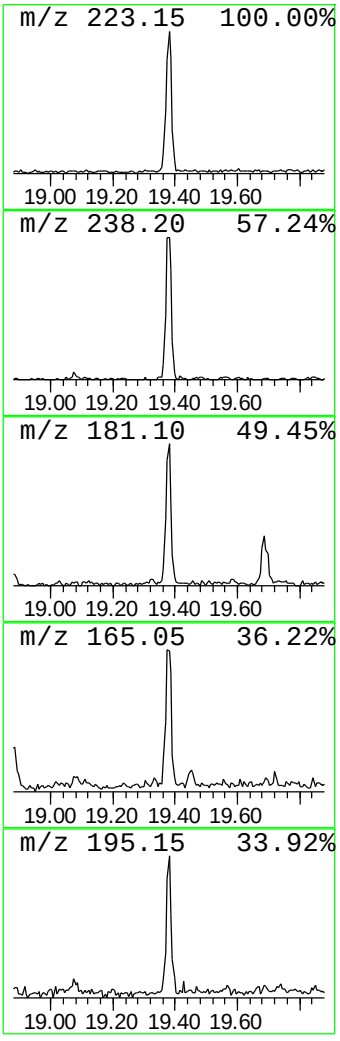
**********

Peak Number 6 10,18-Bisnorabieta-5,7,9(10... Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.38 | 3.43 ng/ul | 723440 | Phenanthrene-d10 | 17.30 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 10,18-Bisnorabieta-5,7,9(10),11,... | 238 | C18H22 | 006566-19-4 | 95 |
| 2 | 12-Azabicyclo[9.2.2]pentadecan-1... | 223 | C14H25NO | 1000191-26-7 | 70 |
| 3 | 3,4'-Diisopropylbiphenyl | 238 | C18H22 | 061434-46-6 | 58 |
| 4 | Anthracene, 9,10-dimethoxy- | 238 | C16H14O2 | 002395-97-3 | 50 |
| 5 | 9-Acridinecarboxylic acid | 223 | C14H9NO2 | 005336-90-3 | 46 |



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060117\
Data File : BM010352.D
Acq On : 01 Jun 2017 13:12
Operator : SJ/MA
Sample : I3163-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** JHSF7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

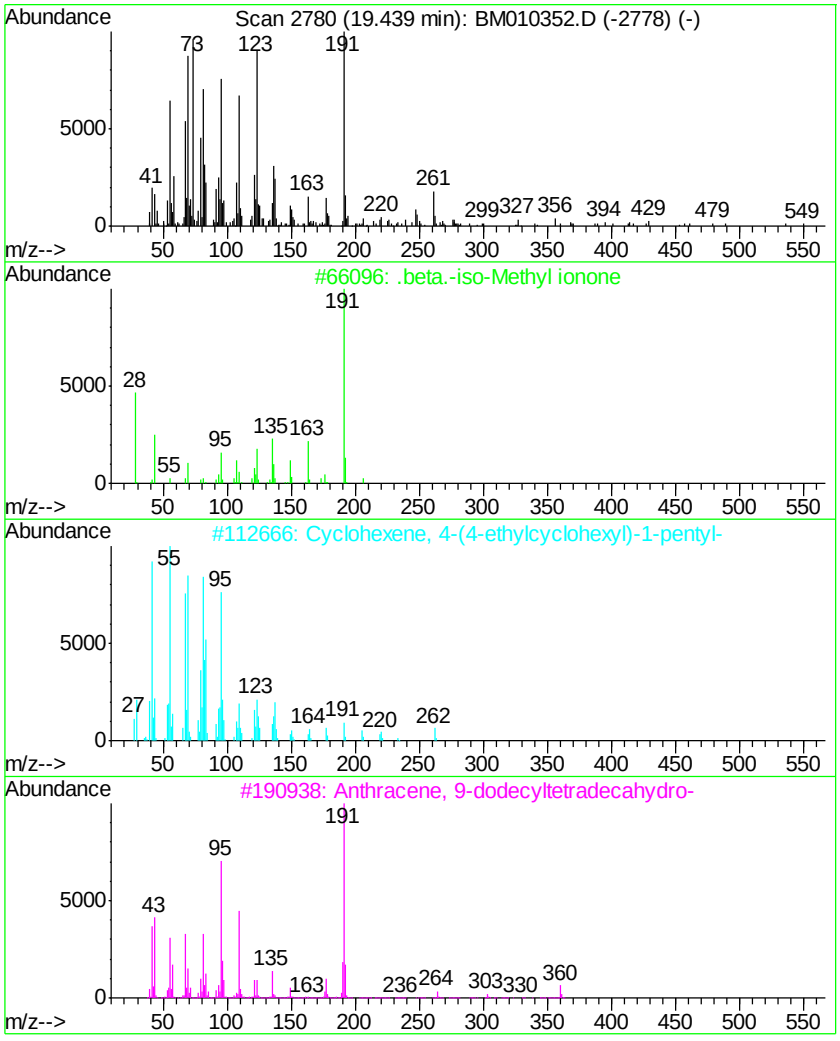
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

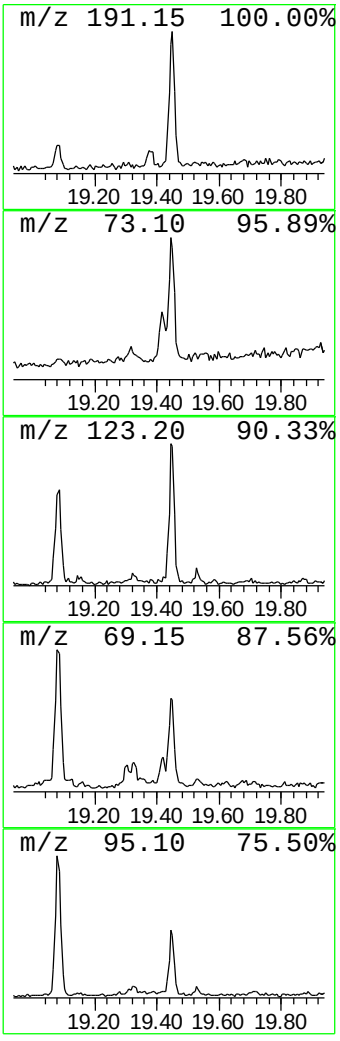
**********

Peak Number 7 .beta.-iso-Methyl ionone Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.44 | 5.08 ng/ul | 1425240 | Chrysene-d12 | 21.46 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | .beta.-iso-Methyl ionone | 206 | C14H22O | 1000285-40-2 | 58 |
| 2 | Cyclohexene, 4-(4-ethylcyclohexy... | 262 | C19H34 | 301643-32-3 | 47 |
| 3 | Anthracene, 9-dodecyltetradecahy... | 360 | C26H48 | 055401-75-7 | 43 |
| 4 | Anthracene, 9-cyclohexyltetradec... | 274 | C20H34 | 055255-70-4 | 38 |
| 5 | 2(1H)-Naphthalenone, 4a,5,6,7,8,... | 178 | C12H18O | 013485-66-0 | 38 |



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060117\
Data File : BM010352.D
Acq On : 01 Jun 2017 13:12
Operator : SJ/MA
Sample : I3163-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** JHSF7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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

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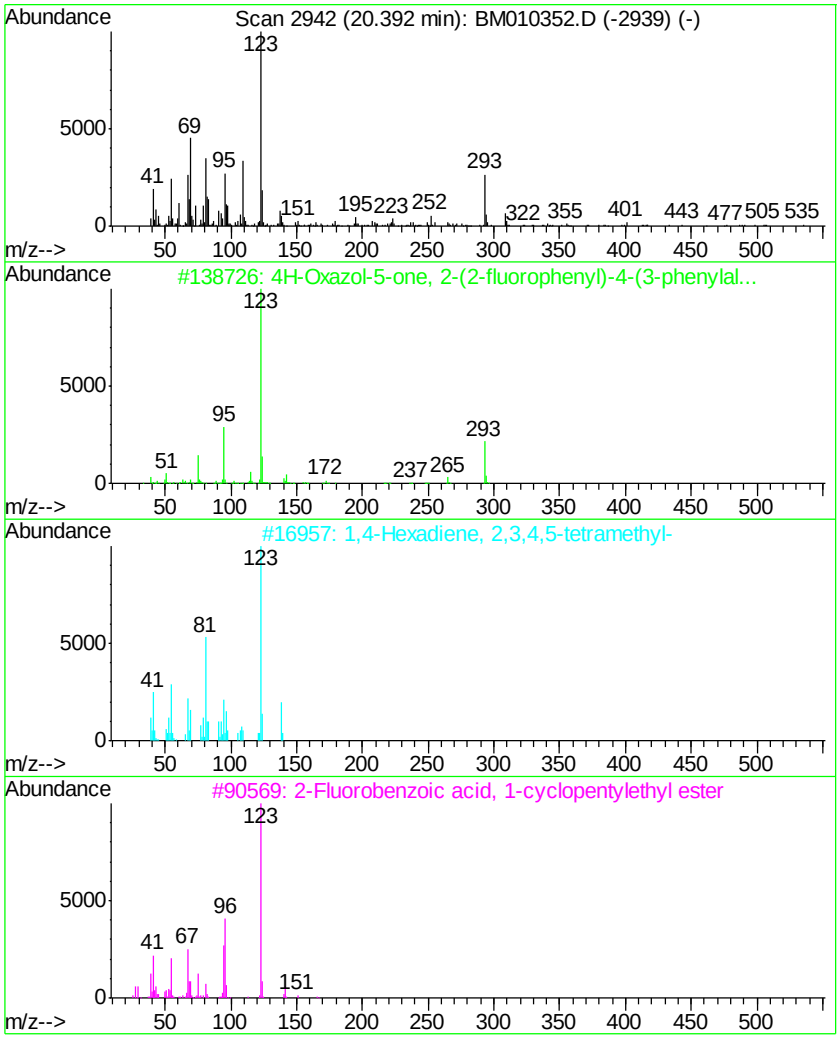
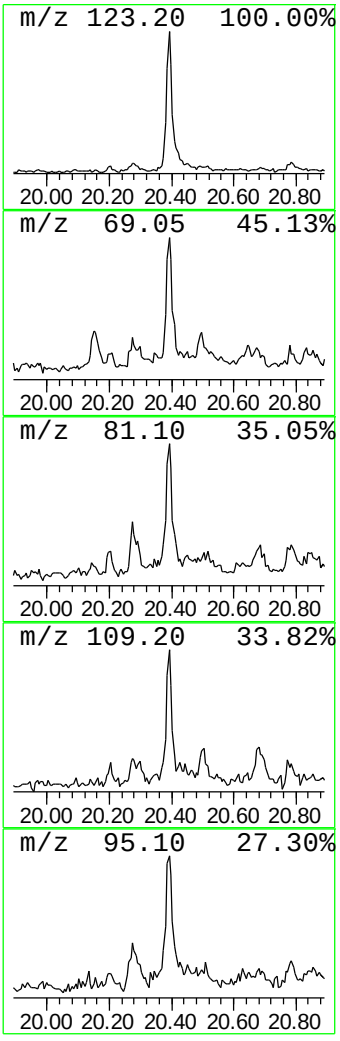
Peak Number 8 4H-Oxazol-5-one, 2-(2-fluor... Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.39 | 3.00 ng/ul | 842074 | Chrysene-d12 | 21.46 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Oxazol-5-one, 2-(2-fluorophen... | 293 | C18H12FNO2 | 1000310-91-1 | 59 |
| 2 | 1,4-Hexadiene, 2,3,4,5-tetramethyl- | 138 | C10H18 | 051504-54-2 | 50 |
| 3 | 2-Fluorobenzoic acid, 1-cyclopen... | 236 | C14H17FO2 | 1000278-98-2 | 47 |
| 4 | Cyclopentene, 1,3-dimethyl-2-(1-... | 138 | C10H18 | 061142-32-3 | 47 |
| 5 | 3-Fluorobenzoic acid, 2-methylph... | 230 | C14H11FO2 | 1000299-05-6 | 47 |



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060117\
Data File : BM010352.D
Acq On : 01 Jun 2017 13:12
Operator : SJ/MA
Sample : I3163-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** JHSF7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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

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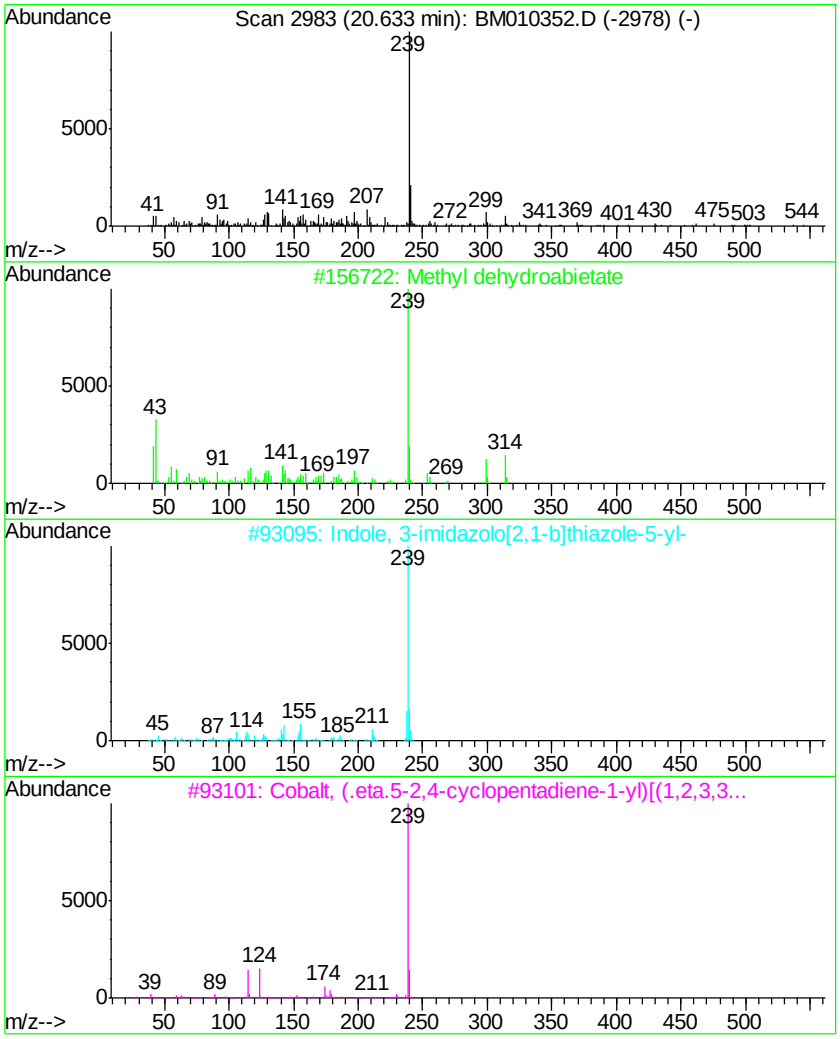
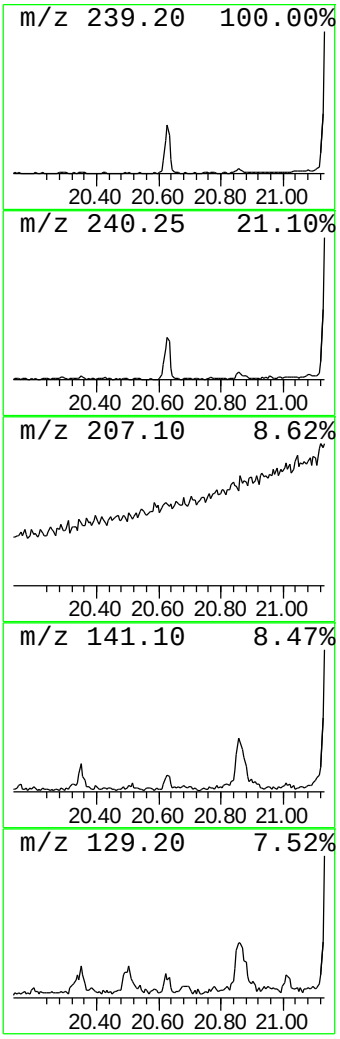
Peak Number 9 Methyl dehydroabietate Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.63 | 2.36 ng/ul | 661768 | Chrysene-d12 | 21.46 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Methyl dehydroabietate | 314 | C21H30O2 | 001235-74-1 | 90 |
| 2 | Indole, 3-imidazolo[2,1-b]thiazo... | 239 | C13H9N3S | 292855-05-1 | 72 |
| 3 | Cobalt, (.eta.5-2,4-cyclopentadi... | 239 | C14H12Co | 088242-61-9 | 64 |
| 4 | Acetamide, N-(1-naphthyl)-2,2,2-... | 239 | C12H8F3NO | 1000307-31-6 | 64 |
| 5 | Terephthalic acid, di(2-methylph... | 346 | C22H18O4 | 1000323-60-7 | 64 |



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060117\
Data File : BM010352.D
Acq On : 01 Jun 2017 13:12
Operator : SJ/MA
Sample : I3163-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** JHSF7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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

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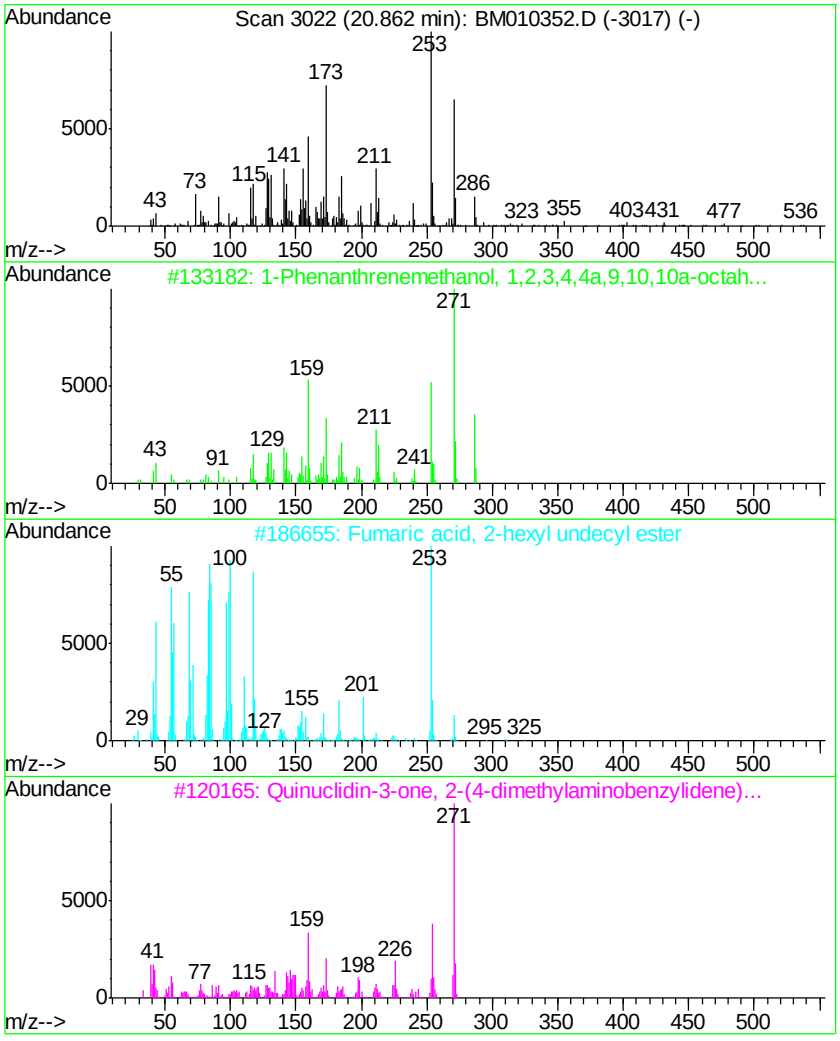
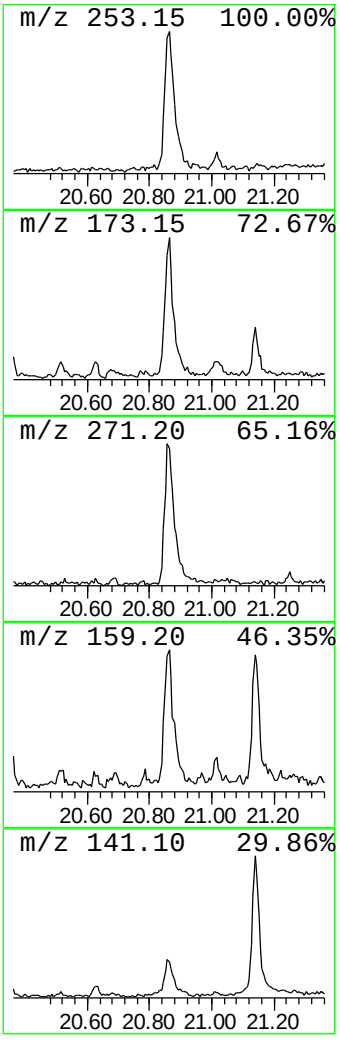
Peak Number 10 unknown-02 Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.86 | 5.88 ng/ul | 1651730 | Chrysene-d12 | 21.46 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Phenanthrenemethanol, 1,2,3,4,... | 286 | C20H30O | 024035-43-6 | 40 |
| 2 | Fumaric acid, 2-hexyl undecyl ester | 354 | C21H38O4 | 1000348-74-9 | 30 |
| 3 | Quinuclidin-3-one, 2-(4-dimethyl... | 271 | C16H21N3O | 1000266-14-6 | 25 |
| 4 | Fumaric acid, 3-hexyl undecyl ester | 354 | C21H38O4 | 1000348-61-0 | 18 |
| 5 | 1,5-Diphenyl-2H-1,2,4-triazoline... | 253 | C14H11N3S | 005055-74-3 | 18 |



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Data File : BM010352.D
Acq On : 01 Jun 2017 13:12
Operator : SJ/MA
Sample : I3163-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** JHSF7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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

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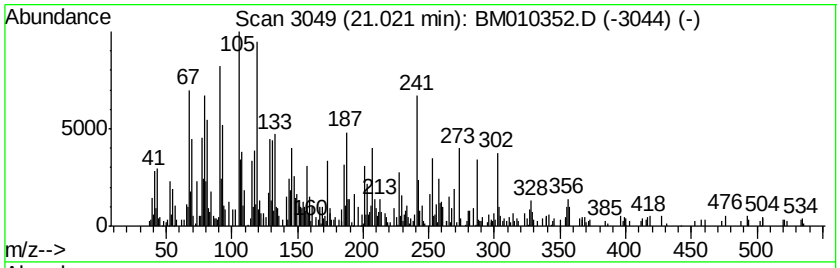
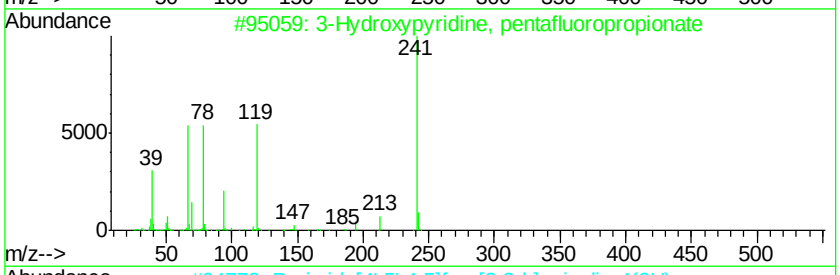
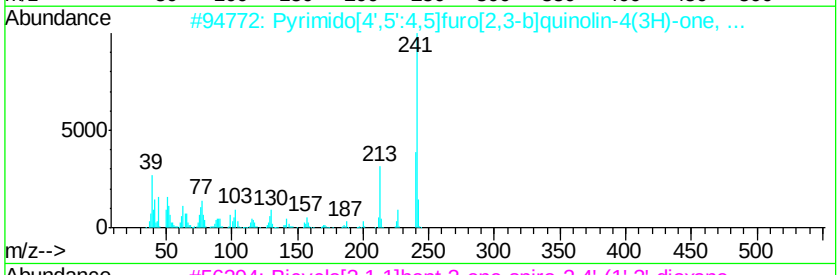
Peak Number 11 unknown-03 Concentration Rank 14

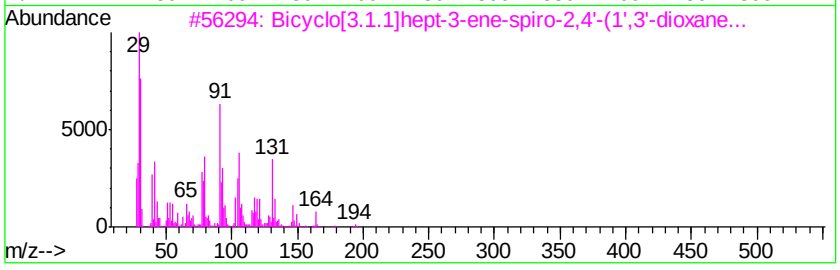
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.02 | 2.23 ng/ul | 626012 | Chrysene-d12 | 21.46 |

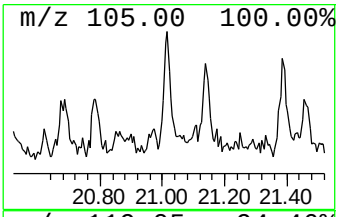
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Hydroxypyridine, pentafluoropr... | 241 | C8H4F5NO2 | 1000376-22-0 | 25 |
| 2 | Pyrimido[4',5':4,5]furo[2,3-b]qu... | 241 | C13H11N3O2 | 1000362-77-3 | 15 |
| 3 | Bicyclo[3.1.1]hept-3-ene-spiro-2... | 194 | C12H18O2 | 1000149-76-2 | 15 |
| 4 | 2-(2-Benzothiazolyl)-5-methylphenol | 241 | C14H11NOS | 056048-54-5 | 11 |
| 5 | 1-Nitrophenazine 5-oxide | 241 | C12H7N3O3 | 002876-34-8 | 11 |

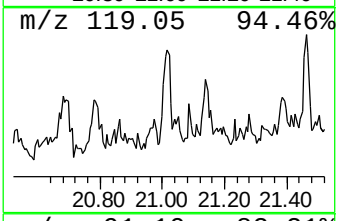


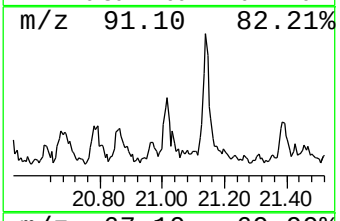



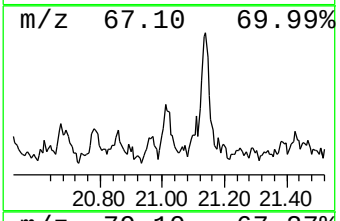



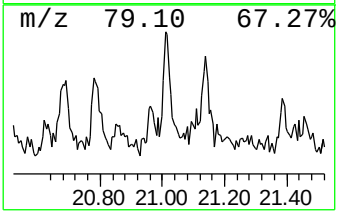



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060117\
Data File : BM010352.D
Acq On : 01 Jun 2017 13:12
Operator : SJ/MA
Sample : I3163-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** JHSF7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

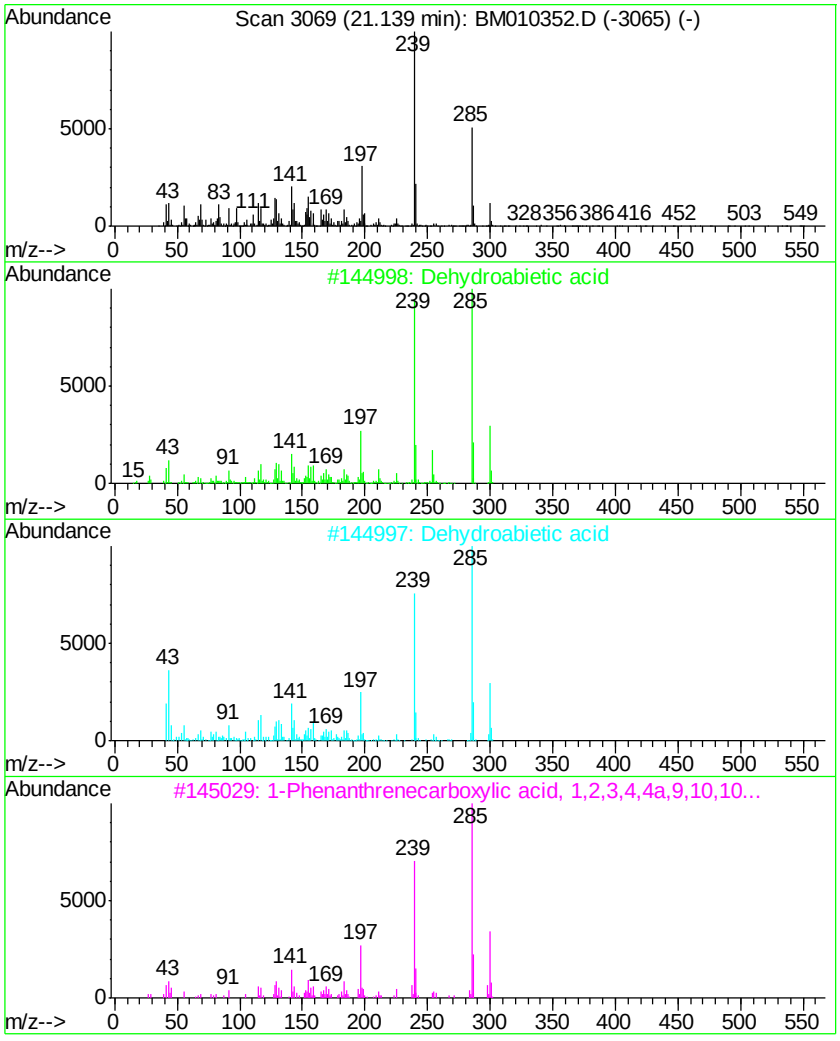
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

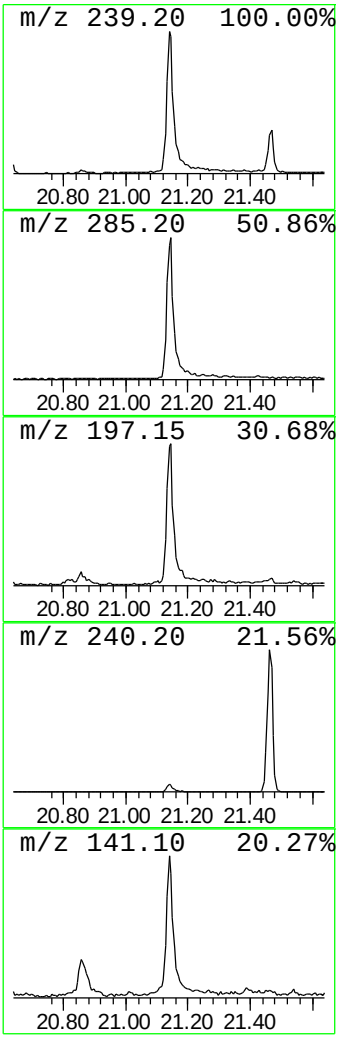
**********

Peak Number 12 Dehydroabietic acid Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.14 | 19.91 ng/ul | 5588400 | Chrysene-d12 | 21.46 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dehydroabietic acid | 300 | C20H28O2 | 001740-19-8 | 94 |
| 2 | Dehydroabietic acid | 300 | C20H28O2 | 001740-19-8 | 91 |
| 3 | 1-Phenanthrenecarboxylic acid, 1... | 300 | C20H28O2 | 005155-70-4 | 89 |
| 4 | Butanoic acid, 2-(cyano)(2,4,6-t... | 300 | C17H20N2O3 | 1000267-71-7 | 74 |
| 5 | Dehydroabietic acid | 300 | C20H28O2 | 001740-19-8 | 62 |



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Operator : SJ/MA
Sample : I3163-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** JHSF7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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

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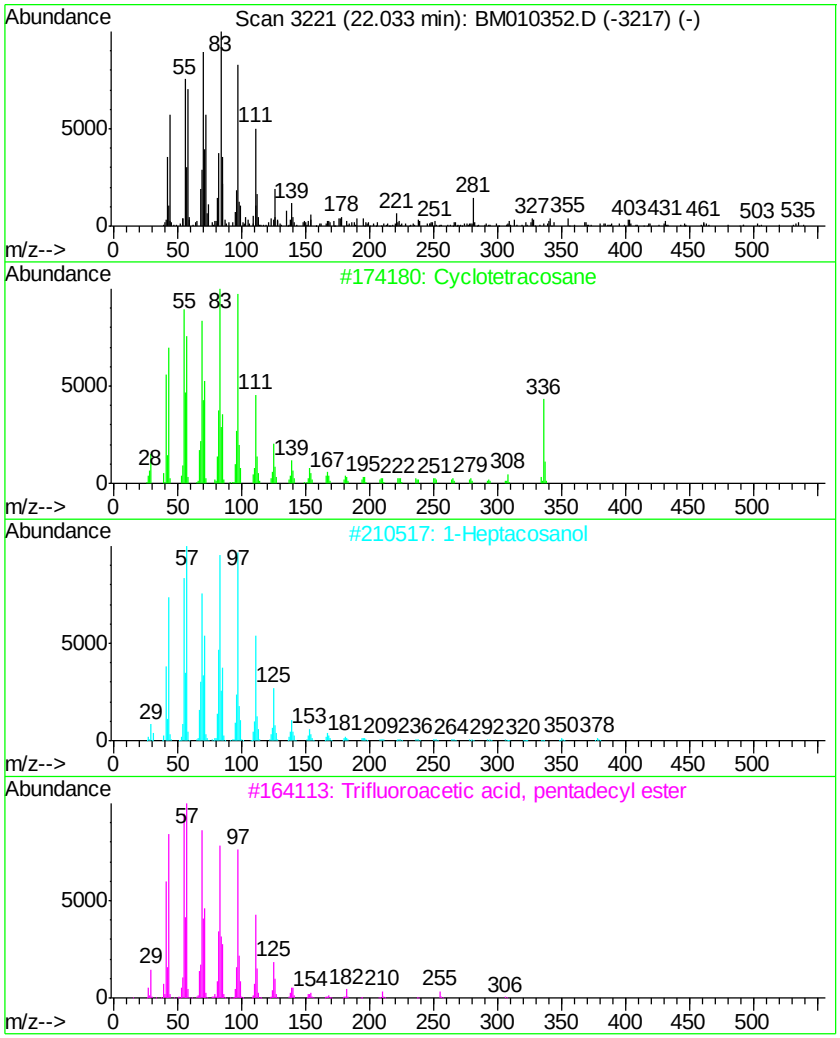
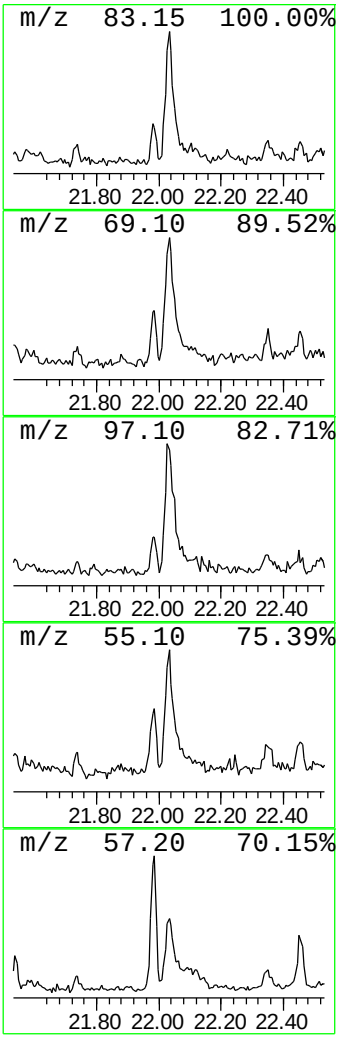
Peak Number 13 (DEL) Alkane: Cyclic22.03 Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.03 | 3.69 ng/ul | 1035080 | Chrysene-d12 | 21.46 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclotetracosane | 336 | C24H48 | 000297-03-0 | 89 |
| 2 | 1-Heptacosanol | 396 | C27H56O | 002004-39-9 | 87 |
| 3 | Trifluoroacetic acid, pentadecyl... | 324 | C17H31F3O2 | 959010-23-2 | 87 |
| 4 | Heptafluorobutyric acid, n-tetra... | 410 | C18H29F7O2 | 007365-36-8 | 87 |
| 5 | 3-Eicosene, (E)- | 280 | C20H40 | 074685-33-9 | 87 |



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060117\
Data File : BM010352.D
Acq On : 01 Jun 2017 13:12
Operator : SJ/MA
Sample : I3163-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** JHSF7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

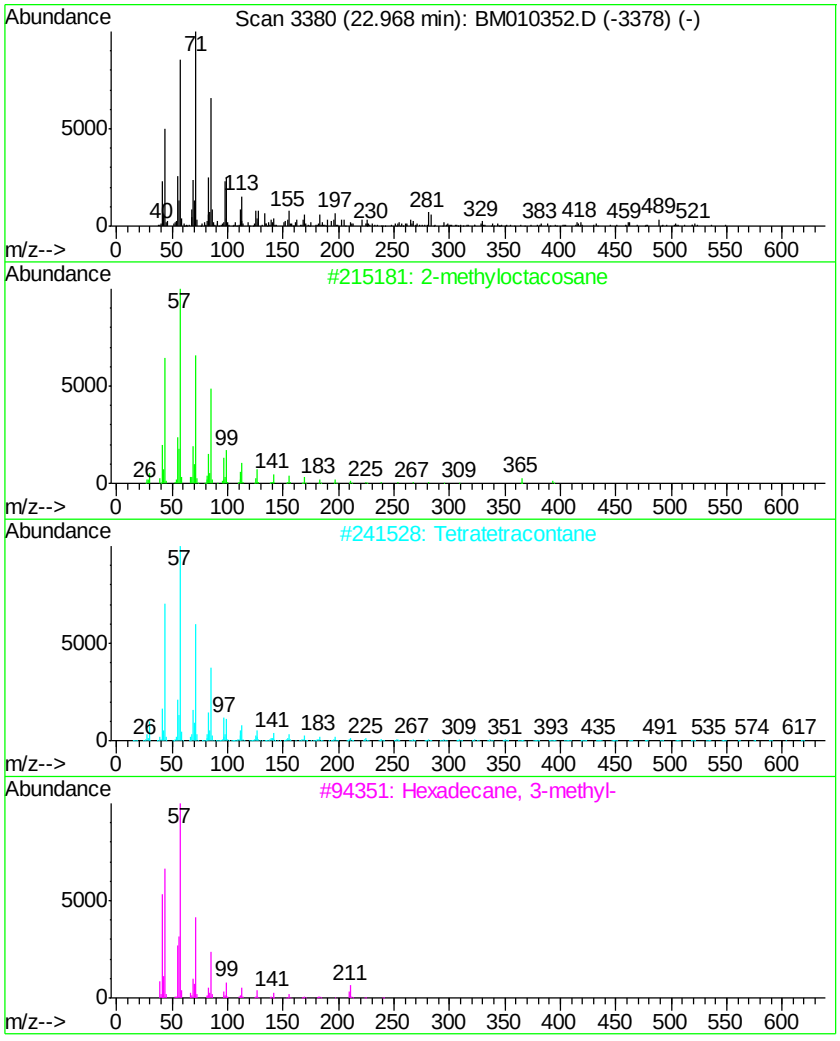
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

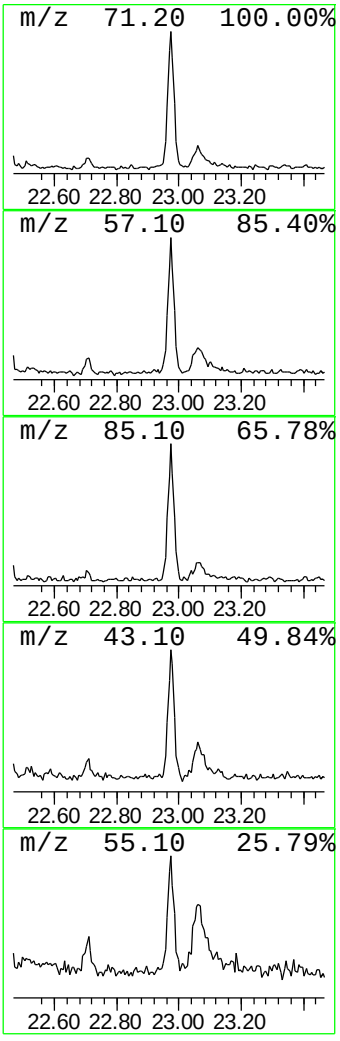
**********

Peak Number 14 (DEL) Alkane: Cyclic22.97 Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.97 | 3.45 ng/ul | 959470 | Perylene-d12 | 23.81 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-methyloctacosane | 408 | C29H60 | 1000376-72-8 | 87 |
| 2 | Tetratetracontane | 619 | C44H90 | 007098-22-8 | 87 |
| 3 | Hexadecane, 3-methyl- | 240 | C17H36 | 006418-43-5 | 87 |
| 4 | Tetracosane, 11-decyl- | 479 | C34H70 | 055429-84-0 | 87 |
| 5 | Tetracosane | 338 | C24H50 | 000646-31-1 | 83 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060117\
Data File : BM010352.D
Acq On : 01 Jun 2017 13:12
Operator : SJ/MA
Sample : I3163-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** JHSF7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.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 |
| n-Hexadecanoic acid | 18.15 | 5.1 | ng/ul | 1069590 | 4 | 17.30 | 4217640 | 20.0 |
| Neopentylidenecyc... | 18.46 | 5.4 | ng/ul | 1147920 | 4 | 17.30 | 4217640 | 20.0 |
| 4b,8-Dimethyl-2-i... | 18.89 | 6.3 | ng/ul | 1329420 | 4 | 17.30 | 4217640 | 20.0 |
| unknown-01 | 19.08 | 13.2 | ng/ul | 2784140 | 4 | 17.30 | 4217640 | 20.0 |
| Oleic Acid | 19.33 | 2.4 | ng/ul | 499263 | 4 | 17.30 | 4217640 | 20.0 |
| 10,18-Bisnorabiet... | 19.38 | 3.4 | ng/ul | 723440 | 4 | 17.30 | 4217640 | 20.0 |
| .beta.-iso-Methyl... | 19.44 | 5.1 | ng/ul | 1425240 | 5 | 21.46 | 5613500 | 20.0 |
| 4H-Oxazol-5-one, ... | 20.39 | 3.0 | ng/ul | 842074 | 5 | 21.46 | 5613500 | 20.0 |
| Methyl dehydroabi... | 20.63 | 2.4 | ng/ul | 661768 | 5 | 21.46 | 5613500 | 20.0 |
| unknown-02 | 20.86 | 5.9 | ng/ul | 1651730 | 5 | 21.46 | 5613500 | 20.0 |
| unknown-03 | 21.02 | 2.2 | ng/ul | 626012 | 5 | 21.46 | 5613500 | 20.0 |
| Dehydroabietic acid | 21.14 | 19.9 | ng/ul | 5588400 | 5 | 21.46 | 5613500 | 20.0 |
| (DEL) Alkane: Cyc... | 22.03 | 3.7 | ng/ul | 1035080 | 5 | 21.46 | 5613500 | 20.0 |
| (DEL) Alkane: Cyc... | 22.97 | 3.5 | ng/ul | 959470 | 6 | 23.81 | 5569120 | 20.0 |