LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\Data\BM031418\
Data File : BM014568.D
Acq On : 14 Mar 2018 12:57
Operator : SJ/JU
Sample : J1813-14
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6F10

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-BM021418.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 | 3.052 | 26 | 28 | 37 | rVB2 | 27487 | 38401 | 1.43% | 0.098% |
| 2 | 4.634 | 292 | 297 | 300 | rBV2 | 24968 | 40600 | 1.52% | 0.104% |
| 3 | 6.587 | 622 | 629 | 635 | rBV4 | 24523 | 43840 | 1.64% | 0.112% |
| 4 | 6.693 | 640 | 647 | 661 | rBV | 504395 | 1029941 | 38.43% | 2.629% |
| 5 | 6.828 | 665 | 670 | 680 | rVV | 434601 | 674859 | 25.18% | 1.722% |
| 6 | 7.022 | 697 | 703 | 716 | rBV | 661772 | 1102863 | 41.15% | 2.815% |
| 7 | 7.475 | 773 | 780 | 790 | rBV | 525358 | 861002 | 32.13% | 2.198% |
| 8 | 8.216 | 899 | 906 | 919 | rBV | 613657 | 1196641 | 44.65% | 3.054% |
| 9 | 8.640 | 972 | 978 | 988 | rBV | 679346 | 1173295 | 43.78% | 2.995% |
| 10 | 8.798 | 1001 | 1005 | 1010 | rBV4 | 21969 | 35003 | 1.31% | 0.089% |
| 11 | 9.357 | 1092 | 1100 | 1113 | rBV | 602285 | 1146762 | 42.79% | 2.927% |
| 12 | 9.904 | 1187 | 1193 | 1213 | rBV2 | 661235 | 1493789 | 55.74% | 3.813% |
| 13 | 10.245 | 1244 | 1251 | 1259 | rBV | 718364 | 1197278 | 44.68% | 3.056% |
| 14 | 10.422 | 1272 | 1281 | 1301 | rBV | 403866 | 1010344 | 37.70% | 2.579% |
| 15 | 12.886 | 1694 | 1700 | 1706 | rBV3 | 49842 | 78156 | 2.92% | 0.199% |
| 16 | 12.945 | 1706 | 1710 | 1715 | rVV5 | 20098 | 28929 | 1.08% | 0.074% |
| 17 | 13.004 | 1715 | 1720 | 1726 | rVV2 | 74696 | 115502 | 4.31% | 0.295% |
| 18 | 13.057 | 1726 | 1729 | 1733 | rVV3 | 21055 | 28313 | 1.06% | 0.072% |
| 19 | 13.110 | 1733 | 1738 | 1745 | rVB6 | 29220 | 46855 | 1.75% | 0.120% |
| 20 | 13.251 | 1757 | 1762 | 1767 | rBV6 | 47190 | 72912 | 2.72% | 0.186% |
| 21 | 13.375 | 1777 | 1783 | 1787 | rBV2 | 224982 | 327255 | 12.21% | 0.835% |
| 22 | 13.428 | 1787 | 1792 | 1799 | rVV3 | 316877 | 553743 | 20.66% | 1.413% |
| 23 | 13.569 | 1803 | 1816 | 1820 | rBV | 1463446 | 2184099 | 81.50% | 5.574% |
| 24 | 13.616 | 1820 | 1824 | 1833 | rVB | 324674 | 531175 | 19.82% | 1.356% |
| 25 | 13.833 | 1852 | 1861 | 1869 | rBV | 1596991 | 2404880 | 89.74% | 6.138% |
| 26 | 13.910 | 1869 | 1874 | 1878 | rVV7 | 23987 | 43444 | 1.62% | 0.111% |
| 27 | 14.033 | 1889 | 1895 | 1906 | rBV5 | 76454 | 157461 | 5.88% | 0.402% |
| 28 | 14.145 | 1908 | 1914 | 1922 | rBV2 | 986814 | 1453046 | 54.22% | 3.709% |
| 29 | 14.457 | 1962 | 1967 | 1986 | rBV3 | 255364 | 893138 | 33.33% | 2.280% |
| 30 | 14.604 | 1989 | 1992 | 1997 | rVV7 | 33561 | 70706 | 2.64% | 0.180% |
| 31 | 14.663 | 1998 | 2002 | 2007 | rVB6 | 19832 | 39905 | 1.49% | 0.102% |
| 32 | 14.945 | 2044 | 2050 | 2054 | rBV3 | 31647 | 45034 | 1.68% | 0.115% |
| 33 | 14.998 | 2055 | 2059 | 2064 | rVV | 96966 | 123936 | 4.62% | 0.316% |
| 34 | 15.151 | 2079 | 2085 | 2095 | rBV | 1804075 | 2679847 | 100.00% | 6.840% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\Data\BM031418\
Data File : BM014568.D
Acq On : 14 Mar 2018 12:57
Operator : SJ/JU
Sample : J1813-14
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6F10

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-BM021418.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 15.333 | 2107 | 2116 | 2124 | rBV | 471238 | 887617 | 33.12% | 2.265% |
| 36 | 15.427 | 2127 | 2132 | 2140 | rVB | 841471 | 1173125 | 43.78% | 2.994% |
| 37 | 15.627 | 2160 | 2166 | 2173 | rVB | 36658 | 64585 | 2.41% | 0.165% |
| 38 | 15.869 | 2201 | 2207 | 2214 | rBV2 | 98564 | 164644 | 6.14% | 0.420% |
| 39 | 16.210 | 2260 | 2265 | 2267 | rBV6 | 18549 | 29938 | 1.12% | 0.076% |
| 40 | 16.663 | 2338 | 2342 | 2345 | rBV | 65075 | 78424 | 2.93% | 0.200% |
| 41 | 16.710 | 2347 | 2350 | 2353 | rVB5 | 20249 | 27456 | 1.02% | 0.070% |
| 42 | 16.910 | 2377 | 2384 | 2391 | rBV2 | 1120749 | 1610625 | 60.10% | 4.111% |
| 43 | 17.010 | 2395 | 2401 | 2412 | rVV2 | 1737510 | 2563536 | 95.66% | 6.543% |
| 44 | 17.404 | 2464 | 2468 | 2473 | rBV7 | 40106 | 55387 | 2.07% | 0.141% |
| 45 | 17.816 | 2534 | 2538 | 2546 | rBV2 | 445376 | 660788 | 24.66% | 1.687% |
| 46 | 18.092 | 2583 | 2585 | 2590 | rVB6 | 30868 | 36589 | 1.37% | 0.093% |
| 47 | 19.110 | 2754 | 2758 | 2763 | rBV3 | 186980 | 284419 | 10.61% | 0.726% |
| 48 | 19.251 | 2779 | 2782 | 2786 | rBV3 | 109477 | 116398 | 4.34% | 0.297% |
| 49 | 19.327 | 2789 | 2795 | 2801 | rBV | 1753404 | 2430740 | 90.70% | 6.204% |
| 50 | 19.568 | 2834 | 2836 | 2839 | rVB4 | 52683 | 41710 | 1.56% | 0.106% |
| 51 | 20.198 | 2939 | 2943 | 2948 | rBV2 | 565226 | 802914 | 29.96% | 2.049% |
| 52 | 20.245 | 2948 | 2951 | 2958 | rVB5 | 231041 | 334832 | 12.49% | 0.855% |
| 53 | 20.833 | 3047 | 3051 | 3056 | rBV | 514790 | 596467 | 22.26% | 1.522% |
| 54 | 21.133 | 3098 | 3102 | 3109 | rBV | 889057 | 1138751 | 42.49% | 2.906% |
| 55 | 21.715 | 3198 | 3201 | 3206 | rVB5 | 273501 | 335433 | 12.52% | 0.856% |
| 56 | 23.168 | 3443 | 3448 | 3456 | rVB2 | 996751 | 1775330 | 66.25% | 4.531% |
| 57 | 23.303 | 3467 | 3471 | 3480 | rVB2 | 575932 | 1047848 | 39.10% | 2.674% |

Sum of corrected areas: 39180510

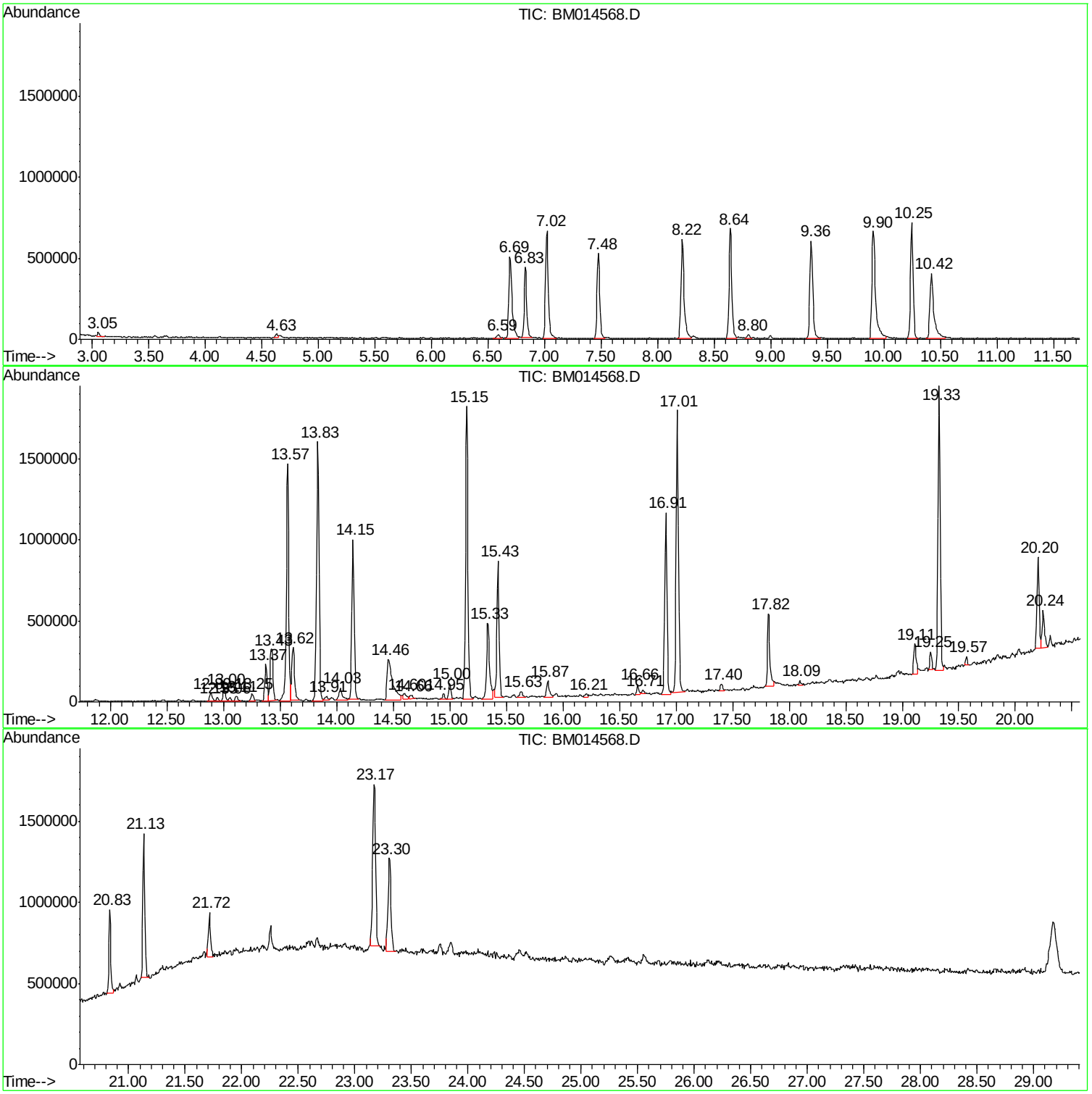
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA M\Data\BM031418\
Data File : BM014568.D
Acq On : 14 Mar 2018 12:57
Operator : SJ/JU
Sample : J1813-14
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6F10

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA M\Data\BM031418\
Data File : BM014568.D
Acq On : 14 Mar 2018 12:57
Operator : SJ/JU
Sample : J1813-14
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6F10

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

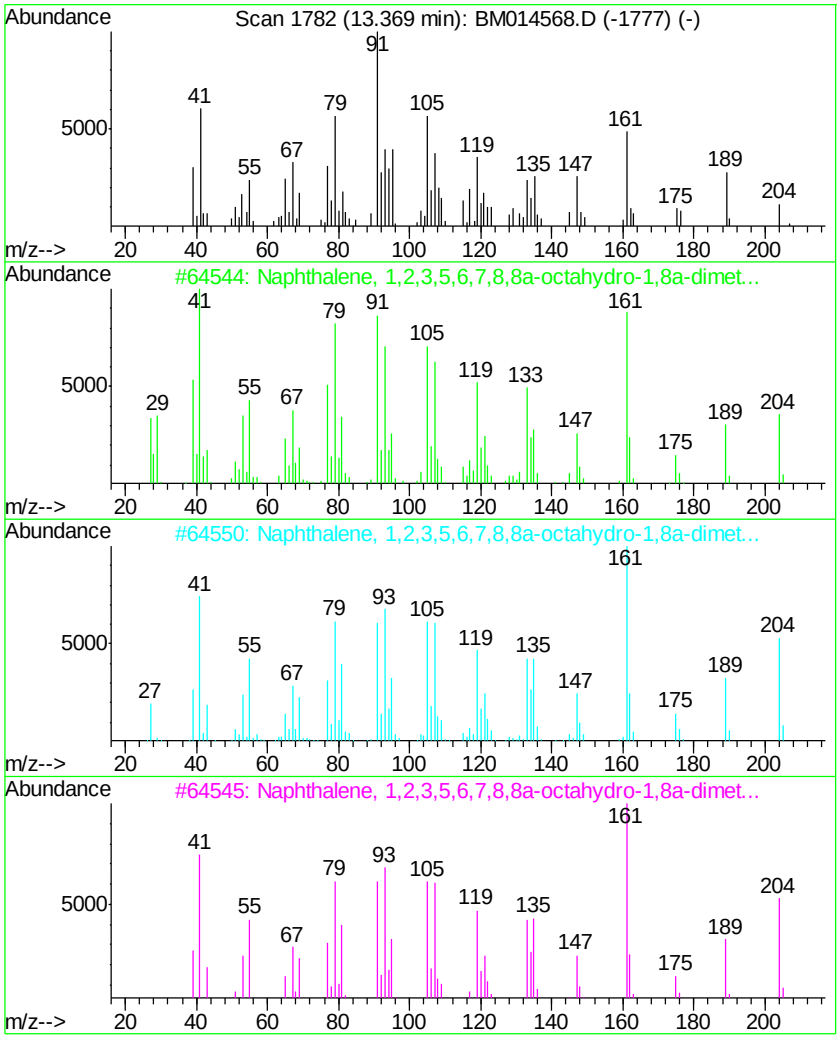
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

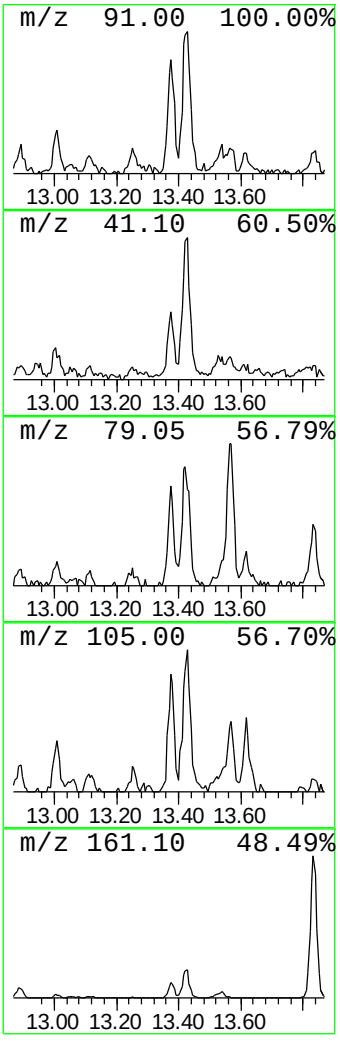
**********

Peak Number 1 Naphthalene, 1,2,3,5,6,7,8,... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.37 | 4.50 ng/ul | 327255 | Acenaphthene-d10 | 14.15 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,2,3,5,6,7,8,8a-oc... | 204 | C15H24 | 004630-07-3 | 96 |
| 2 | Naphthalene, 1,2,3,5,6,7,8,8a-oc... | 204 | C15H24 | 010219-75-7 | 95 |
| 3 | Naphthalene, 1,2,3,5,6,7,8,8a-oc... | 204 | C15H24 | 004630-07-3 | 95 |
| 4 | Aromandendrene | 204 | C15H24 | 000489-39-4 | 93 |
| 5 | Longifolene | 204 | C15H24 | 000475-20-7 | 92 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\Data\BM031418\
Data File : BM014568.D
Acq On : 14 Mar 2018 12:57
Operator : SJ/JU
Sample : J1813-14
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6F10

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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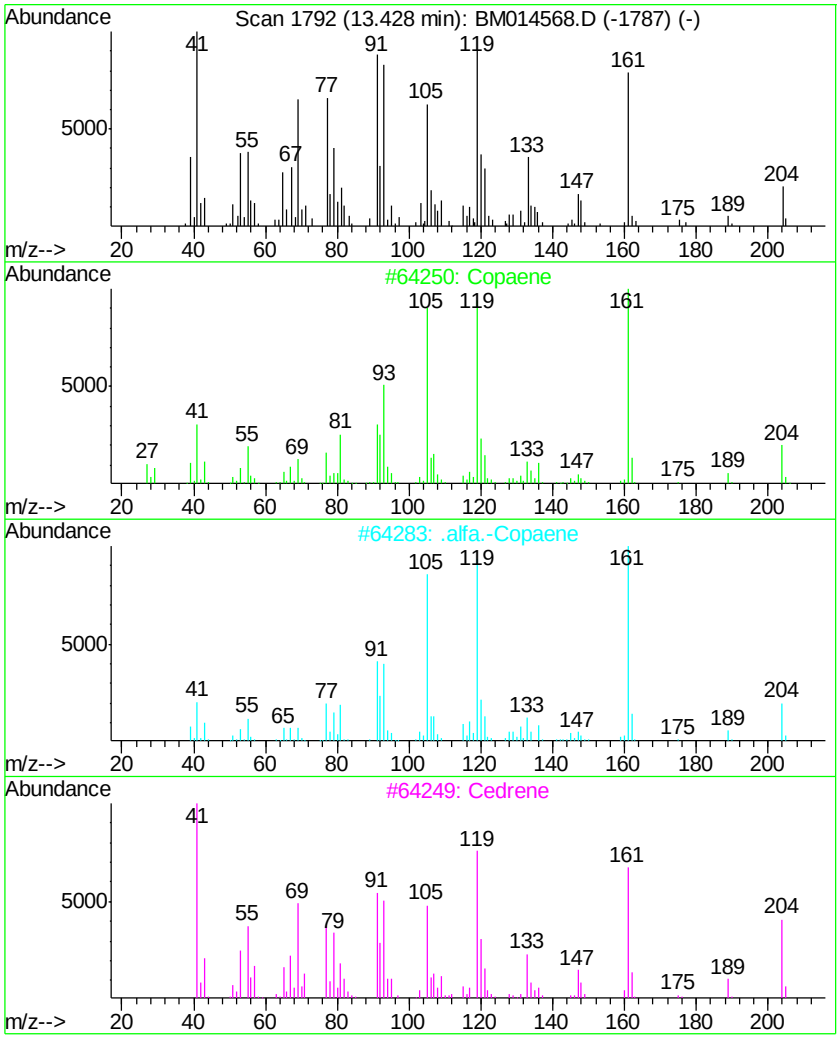
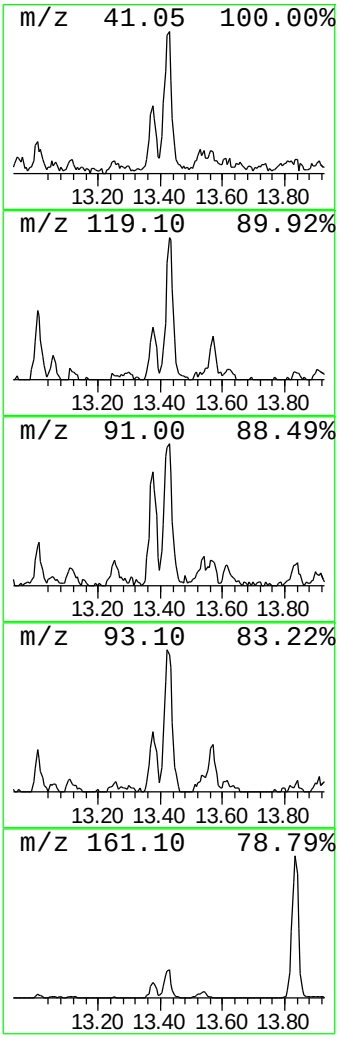
Peak Number 2 Copaene Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.43 | 7.62 ng/ul | 553743 | Acenaphthene-d10 | 14.15 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Copaene | 204 | C15H24 | 003856-25-5 | 55 |
| 2 | .alfa.-Copaene | 204 | C15H24 | 1000360-33-0 | 55 |
| 3 | Cedrene | 204 | C15H24 | 011028-42-5 | 53 |
| 4 | .gamma.-Muurolene | 204 | C15H24 | 030021-74-0 | 49 |
| 5 | Tricyclo[5.4.0.0(2,8)]undec-9-en... | 204 | C15H24 | 005989-08-2 | 42 |



Data Path : Z:\HPCHEM1\BNA M\Data\BM031418\
Data File : BM014568.D
Acq On : 14 Mar 2018 12:57
Operator : SJ/JU
Sample : J1813-14
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6F10

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

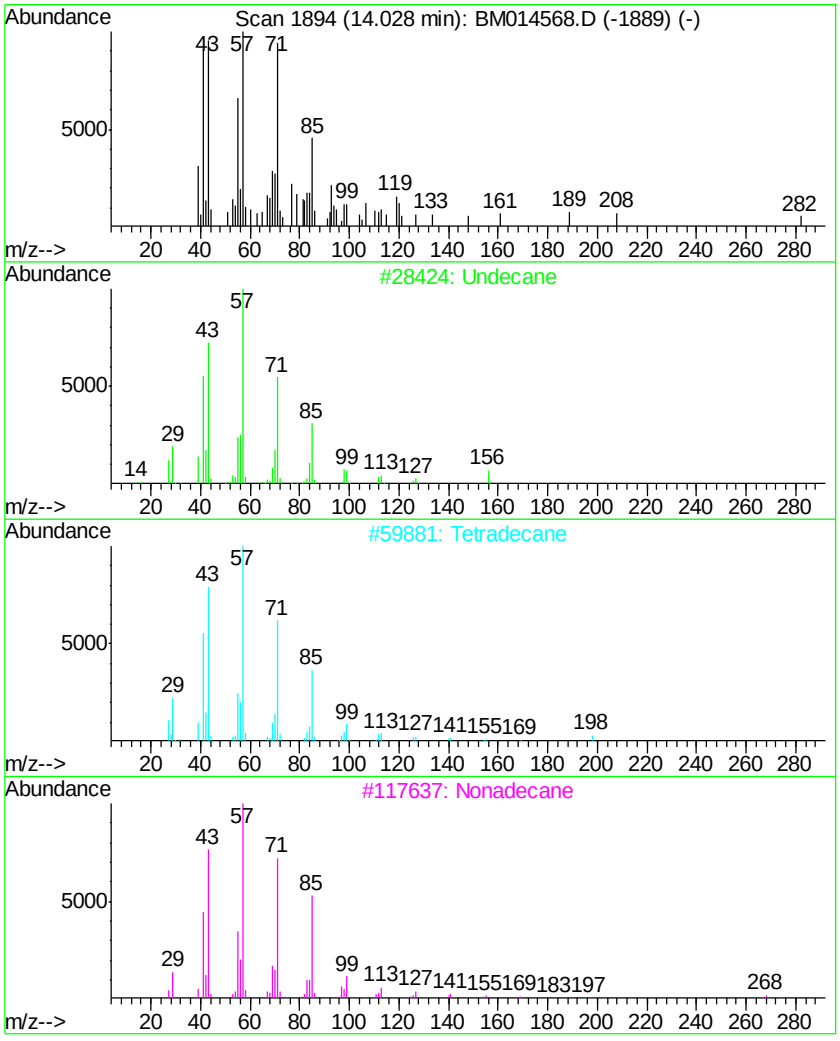
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

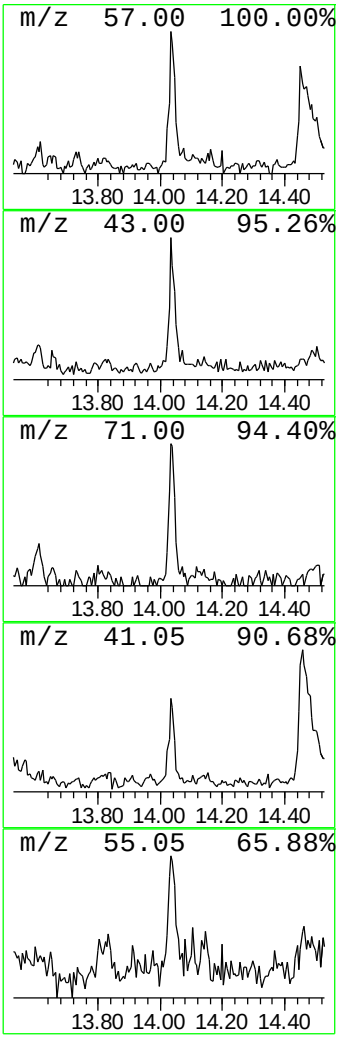
**********

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.03 | 2.17 ng/ul | 157461 | Acenaphthene-d10 | 14.15 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Undecane | 156 | C11H24 | 001120-21-4 | 91 |
| 2 | Tetradecane | 198 | C14H30 | 000629-59-4 | 80 |
| 3 | Nonadecane | 268 | C19H40 | 000629-92-5 | 80 |
| 4 | Undecane | 156 | C11H24 | 001120-21-4 | 80 |
| 5 | Hexadecane | 226 | C16H34 | 000544-76-3 | 80 |



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\Data\BM031418\
Data File : BM014568.D
Acq On : 14 Mar 2018 12:57
Operator : SJ/JU
Sample : J1813-14
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6F10

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

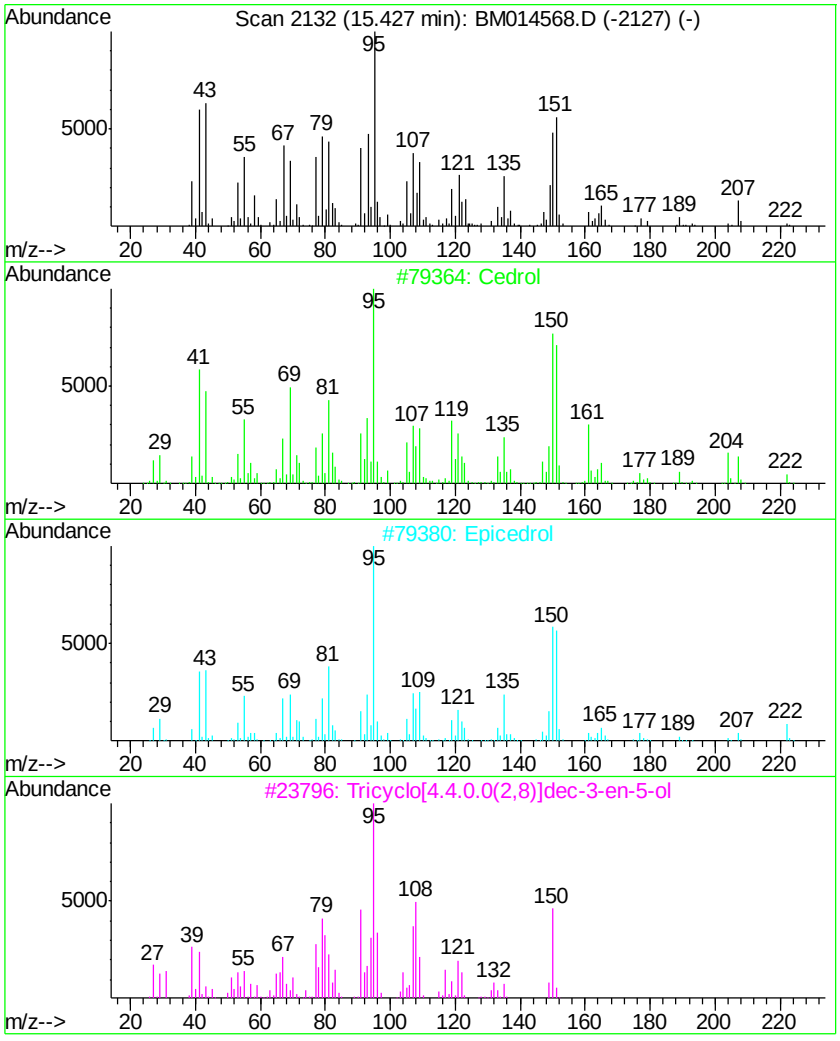
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

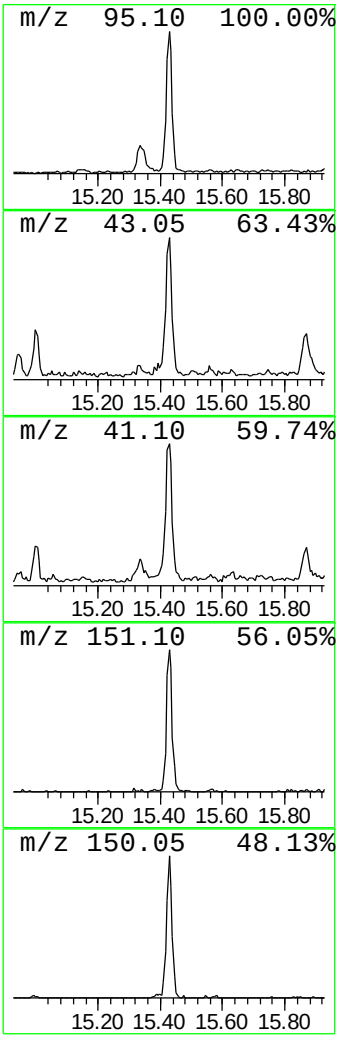
**********

Peak Number 4 Cedrol Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.43 | 16.15 ng/ul | 1173130 | Acenaphthene-d10 | 14.15 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cedrol | 222 | C15H26O | 000077-53-2 | 64 |
| 2 | Epicedrol | 222 | C15H26O | 1000156-22-8 | 53 |
| 3 | Tricyclo[4.4.0.0(2,8)]dec-3-en-5-ol | 150 | C10H14O | 1000193-38-7 | 46 |
| 4 | Cedrol | 222 | C15H26O | 000077-53-2 | 43 |
| 5 | Cedrol | 222 | C15H26O | 000077-53-2 | 41 |



Data Path : Z:\HPCHEM1\BNA M\Data\BM031418\
Data File : BM014568.D
Acq On : 14 Mar 2018 12:57
Operator : SJ/JU
Sample : J1813-14
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6F10

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

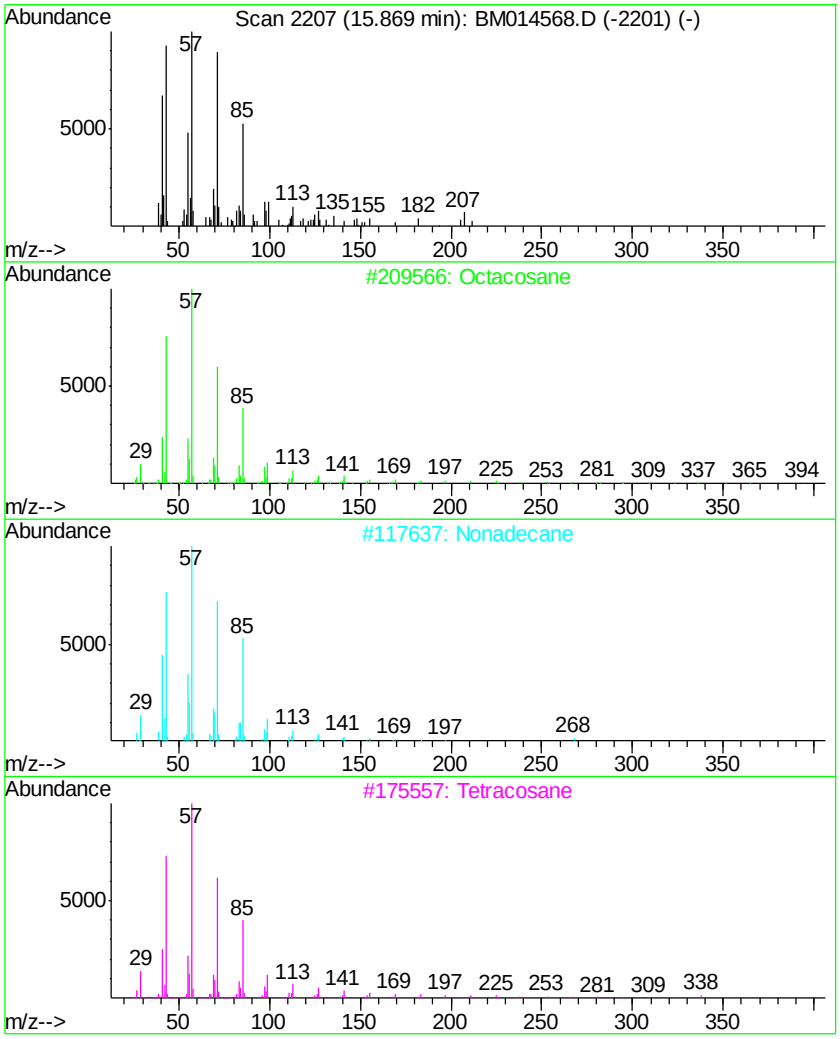
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

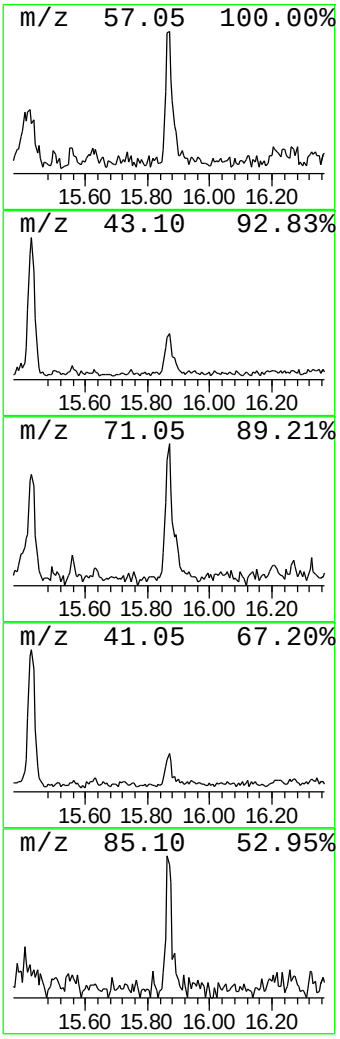
**********

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.87 | 2.04 ng/ul | 164644 | Phenanthrene-d10 | 16.91 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octacosane | 394 | C28H58 | 000630-02-4 | 87 |
| 2 | Nonadecane | 268 | C19H40 | 000629-92-5 | 86 |
| 3 | Tetracosane | 338 | C24H50 | 000646-31-1 | 86 |
| 4 | Tridecane, 1-iodo- | 310 | C13H27I | 035599-77-0 | 83 |
| 5 | Heneicosane | 296 | C21H44 | 000629-94-7 | 72 |



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\Data\BM031418\
Data File : BM014568.D
Acq On : 14 Mar 2018 12:57
Operator : SJ/JU
Sample : J1813-14
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6F10

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

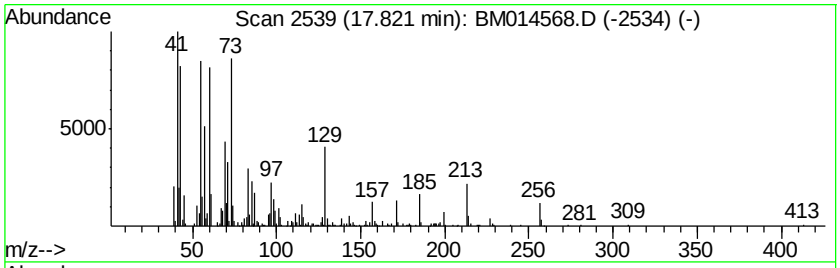
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

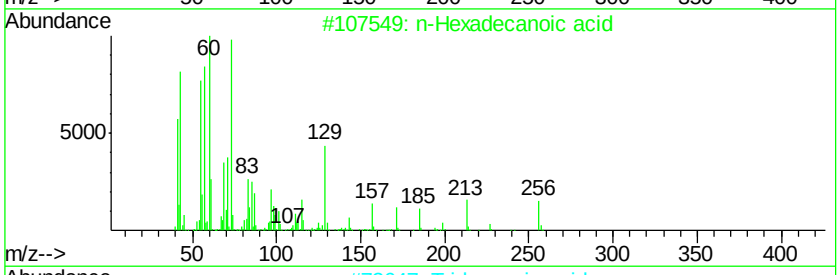
**********

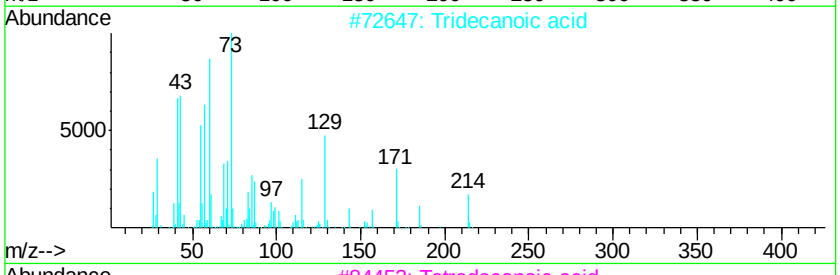
Peak Number 6 n-Hexadecanoic acid Concentration Rank 4

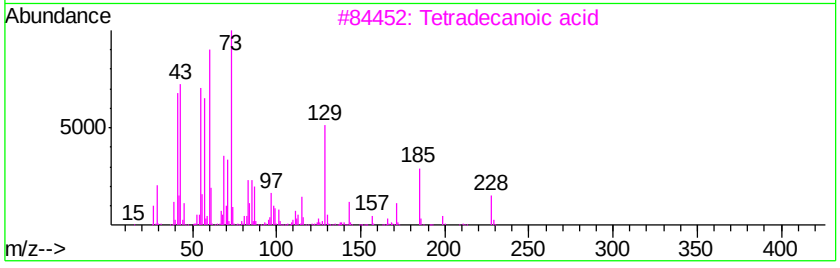
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.82 | 8.21 ng/ul | 660788 | Phenanthrene-d10 | 16.91 |

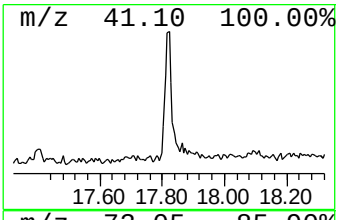
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 98 |
| 2 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 95 |
| 3 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 93 |
| 4 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 93 |
| 5 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 92 |

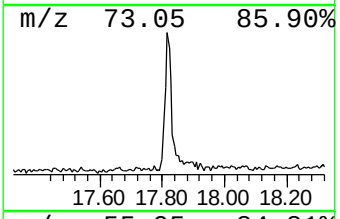


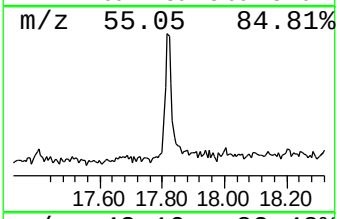



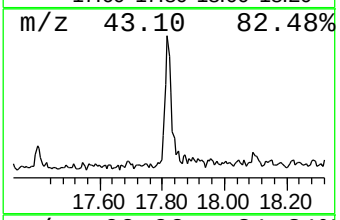



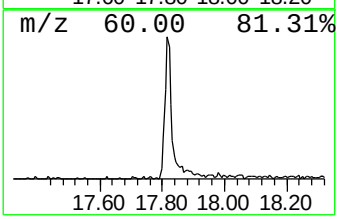



Data Path : Z:\HPCHEM1\BNA M\Data\BM031418\
Data File : BM014568.D
Acq On : 14 Mar 2018 12:57
Operator : SJ/JU
Sample : J1813-14
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6F10

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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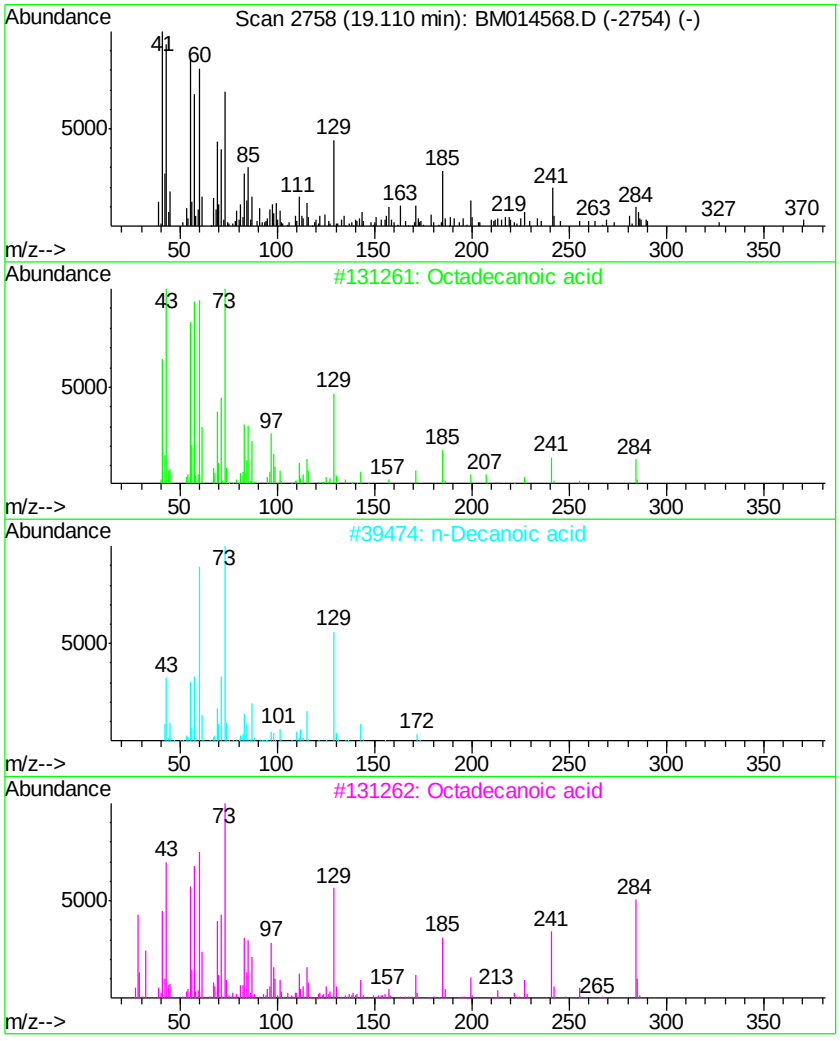
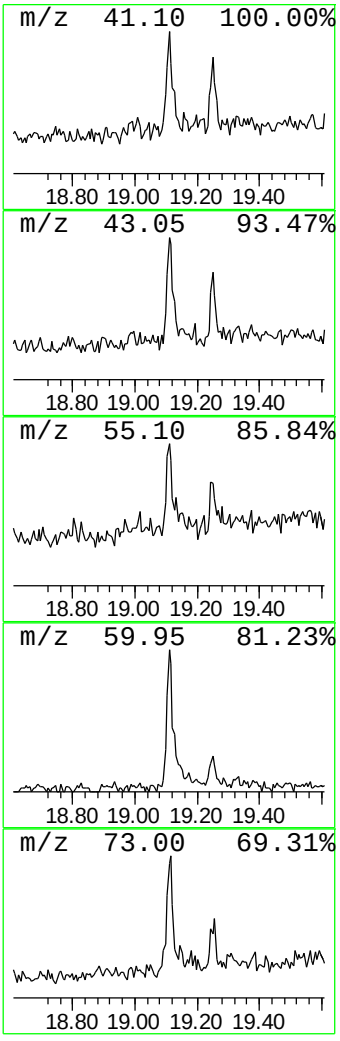
Peak Number 7 Octadecanoic acid Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.11 | 5.00 ng/ul | 284419 | Chrysene-d12 | 21.13 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 70 |
| 2 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 55 |
| 3 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 52 |
| 4 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 49 |
| 5 | Decanoic acid, silver(1+) salt | 278 | C10H19AgO2 | 013126-67-5 | 47 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\Data\BM031418\
Data File : BM014568.D
Acq On : 14 Mar 2018 12:57
Operator : SJ/JU
Sample : J1813-14
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6F10

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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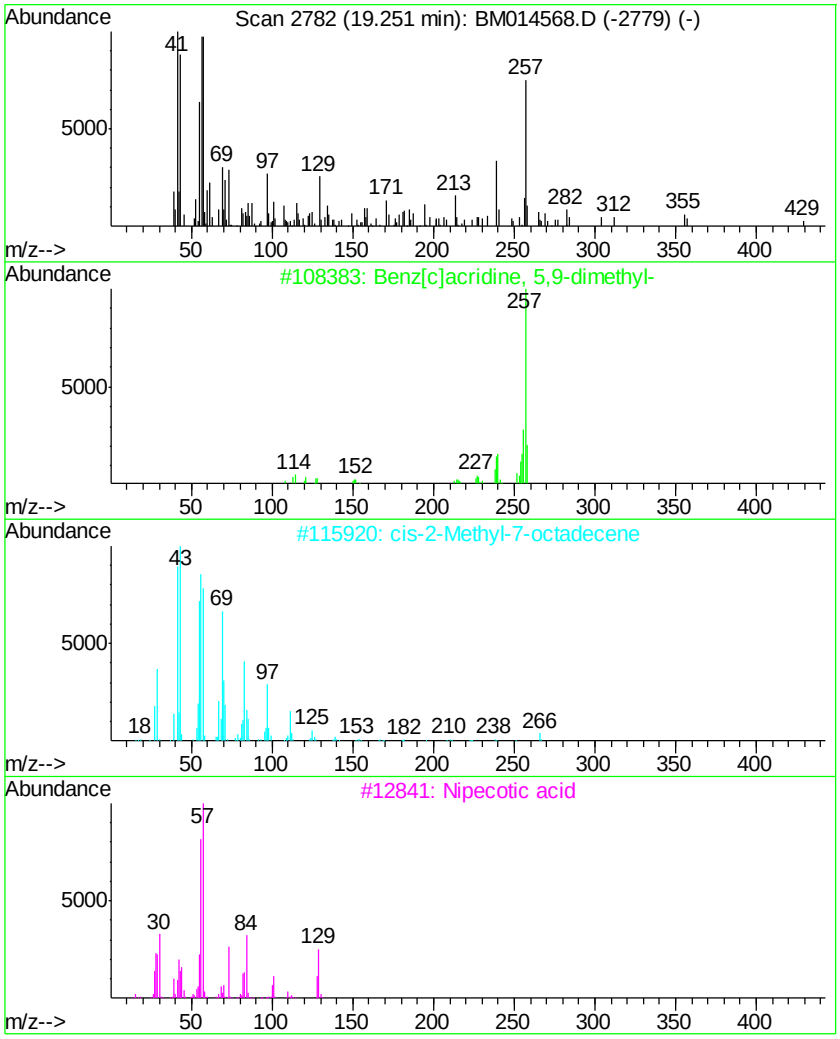
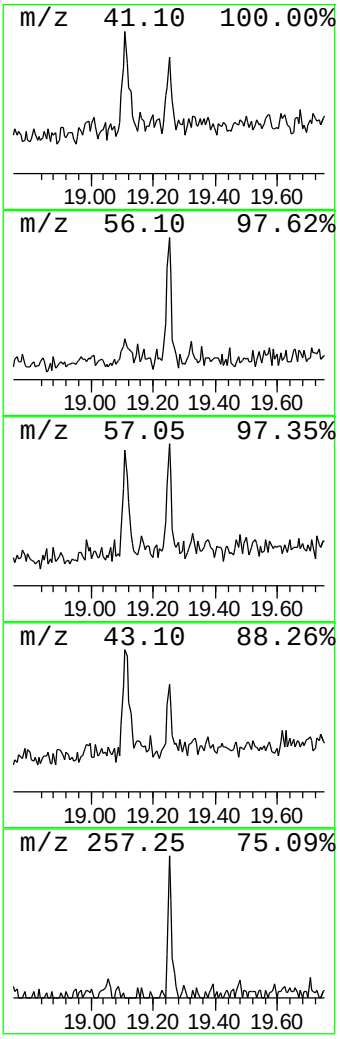
Peak Number 8 Benz[c]acridine, 5,9-dimethyl- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.25 | 2.04 ng/ul | 116398 | Chrysene-d12 | 21.13 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benz[c]acridine, 5,9-dimethyl- | 257 | C19H15N | 003518-03-4 | 53 |
| 2 | cis-2-Methyl-7-octadecene | 266 | C19H38 | 035354-39-3 | 30 |
| 3 | Nipecotic acid | 129 | C6H11NO2 | 000498-95-3 | 27 |
| 4 | Benzonitrile, 3-(5-nitro-2-thenyl... | 257 | C12H7N3O2S | 303769-41-7 | 25 |
| 5 | Prazepam - 3-hydroxy | 340 | C19H17ClN2O2 | 1000120-27-7 | 22 |



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\Data\BM031418\
Data File : BM014568.D
Acq On : 14 Mar 2018 12:57
Operator : SJ/JU
Sample : J1813-14
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6F10

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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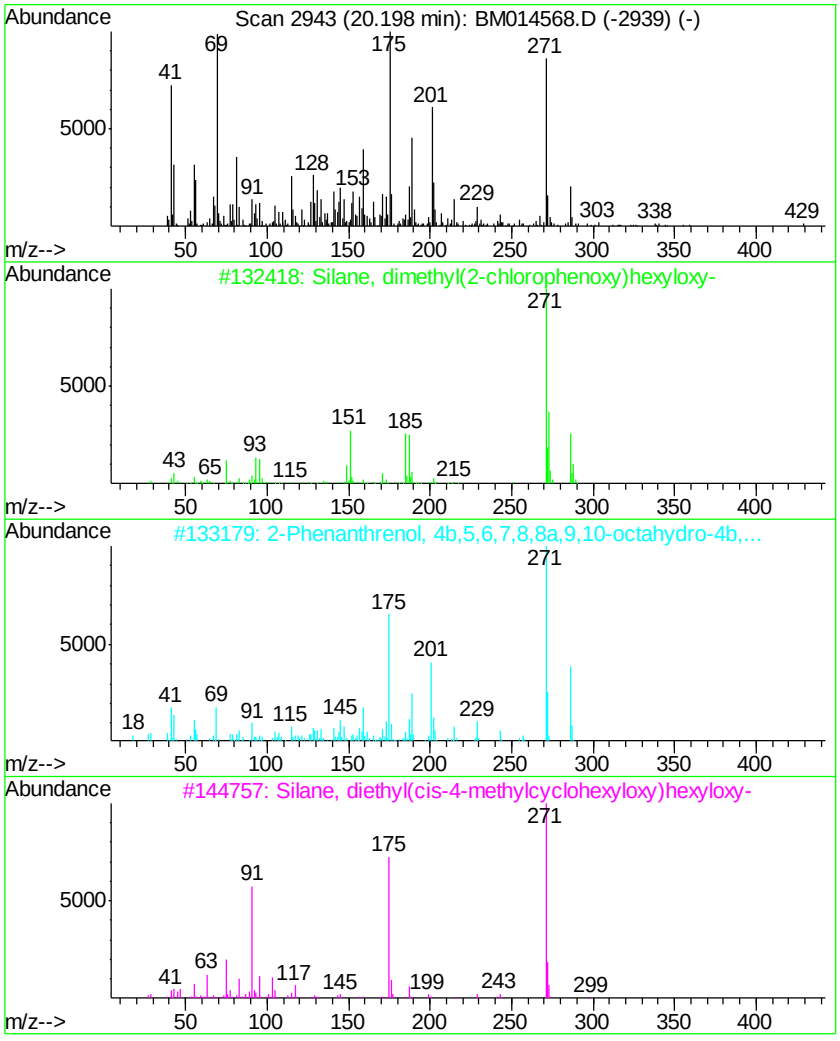
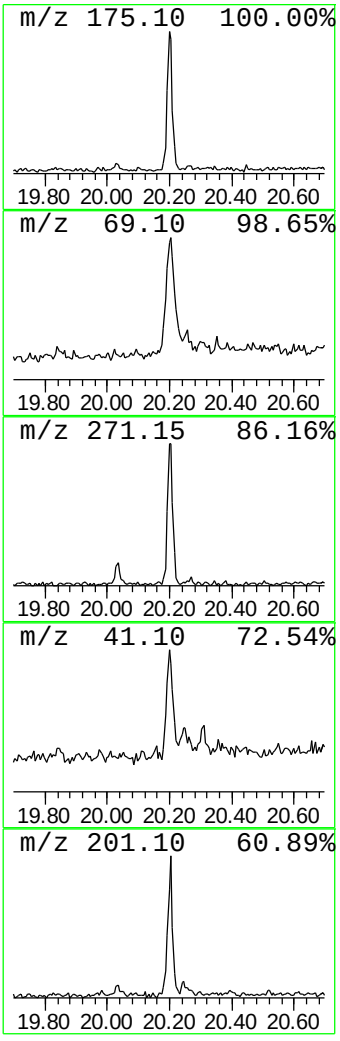
Peak Number 9 unknown-01 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.20 | 14.10 ng/ul | 802914 | Chrysene-d12 | 21.13 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Silane, dimethyl(2-chlorophenoxy... | 286 | C14H23ClO2Si | 1000347-07-3 | 35 |
| 2 | 2-Phenanthrenol, 4b,5,6,7,8,8a,9... | 286 | C20H30O | 000511-15-9 | 30 |
| 3 | Silane, diethyl(cis-4-methylcycl... | 300 | C17H36O2Si | 1000363-55-2 | 27 |
| 4 | 13-Isopropylpodocarpen-12-ol-20-al | 300 | C20H28O2 | 024035-37-8 | 22 |
| 5 | 2-Decylquinolin-4-ol, 1-oxide | 301 | C19H27NO2 | 1000211-05-8 | 14 |



Data Path : Z:\HPCHEM1\BNA M\Data\BM031418\
Data File : BM014568.D
Acq On : 14 Mar 2018 12:57
Operator : SJ/JU
Sample : J1813-14
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6F10

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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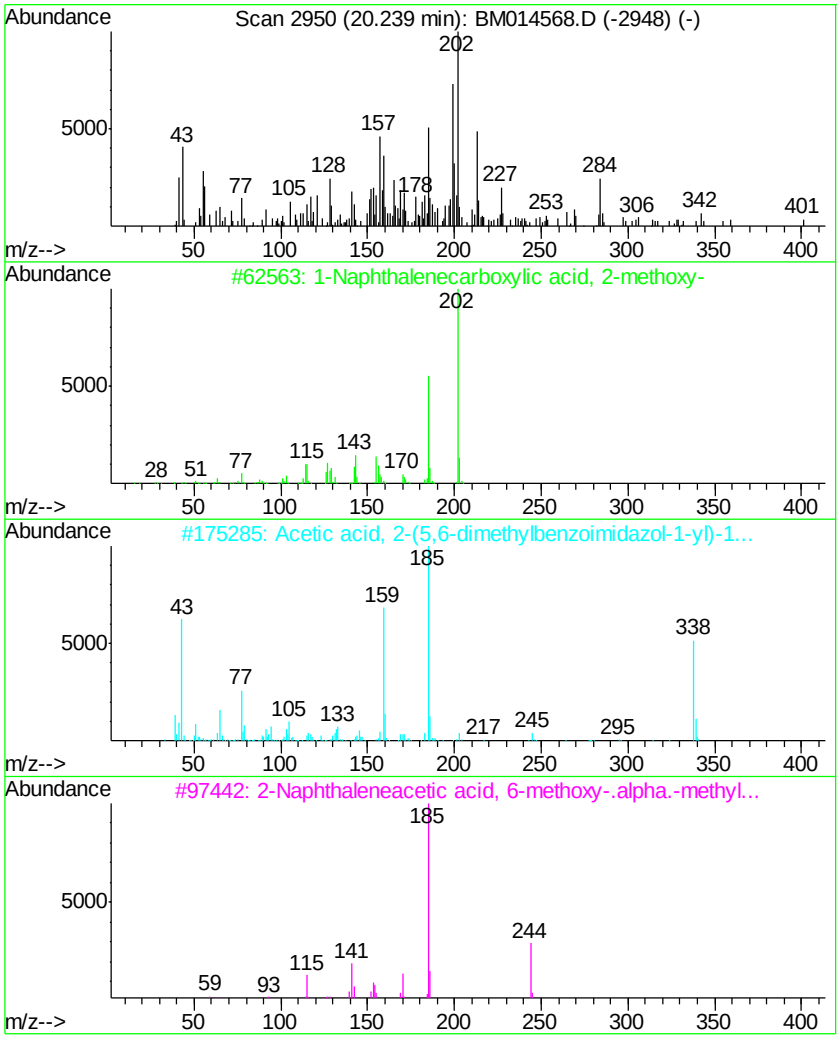
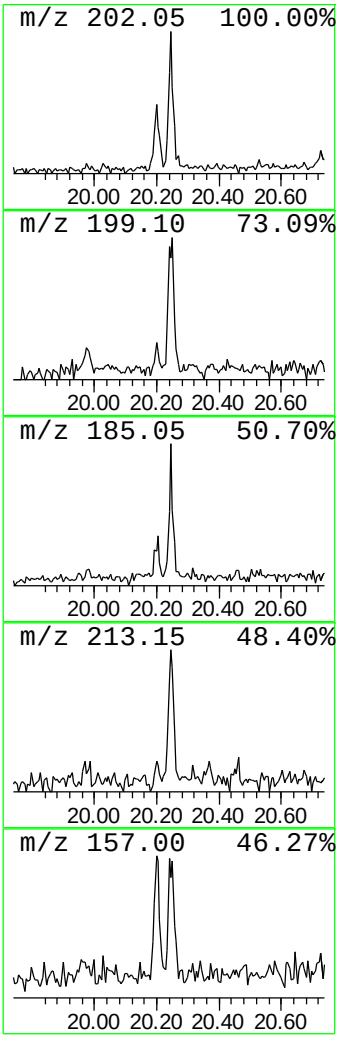
Peak Number 10 unknown-02 Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.24 | 5.88 ng/ul | 334832 | Chrysene-d12 | 21.13 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Naphthalenecarboxylic acid, 2-... | 202 | C12H10O3 | 000947-62-6 | 35 |
| 2 | Acetic acid, 2-(5,6-dimethylbenz... | 338 | C20H22N2O3 | 1000316-67-5 | 30 |
| 3 | 2-Naphthaleneacetic acid, 6-meth... | 244 | C15H16O3 | 030012-51-2 | 25 |
| 4 | Germacyclopent-3-ene, 1,1-diethy... | 214 | C10H20Ge | 005764-67-0 | 25 |
| 5 | 3,4-Dimethyl(1H)pyrrole, 2-[(3,4... | 200 | C13H16N2 | 065539-79-9 | 25 |



Data Path : Z:\HPCHEM1\BNA M\Data\BM031418\
Data File : BM014568.D
Acq On : 14 Mar 2018 12:57
Operator : SJ/JU
Sample : J1813-14
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6F10

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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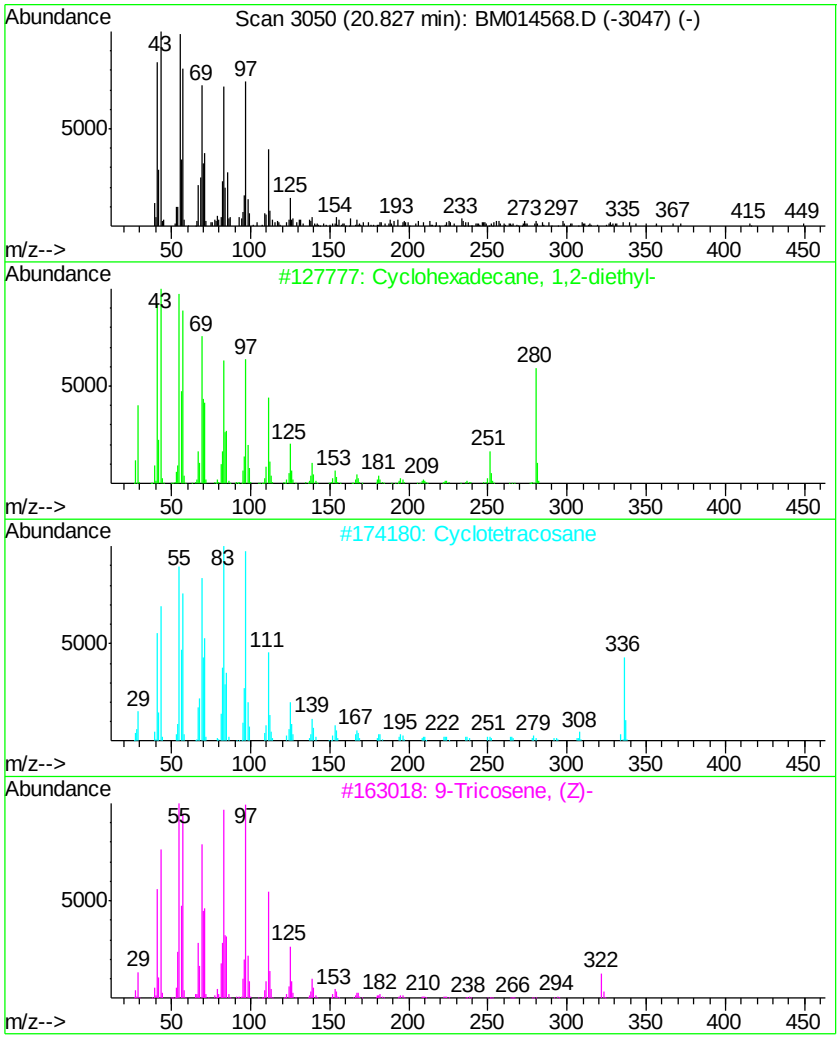
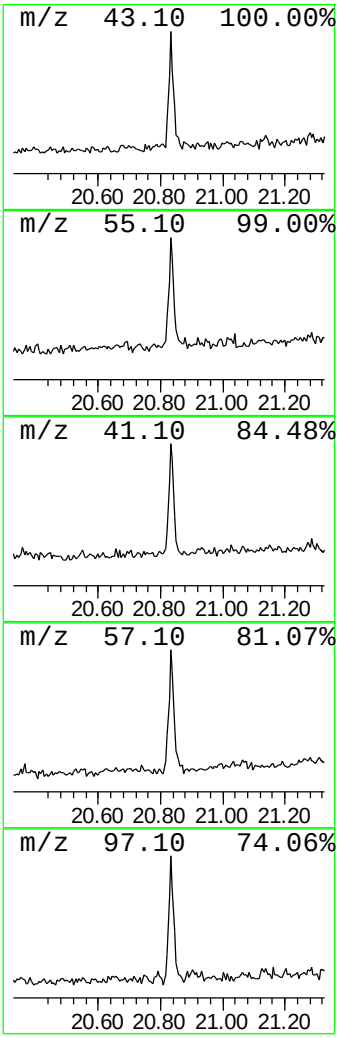
Peak Number 11 (DEL) Alkane: Cyclic20.83 Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.83 | 10.48 ng/ul | 596467 | Chrysene-d12 | 21.13 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexadecane, 1,2-diethyl- | 280 | C20H40 | 1000155-85-3 | 94 |
| 2 | Cyclotetracosane | 336 | C24H48 | 000297-03-0 | 94 |
| 3 | 9-Tricosene, (Z)- | 322 | C23H46 | 027519-02-4 | 91 |
| 4 | 2-Methyl-2-docosene | 322 | C23H46 | 1000131-16-9 | 89 |
| 5 | Trifluoroacetoxy hexadecane | 338 | C18H33F3O2 | 006222-03-3 | 83 |



Data Path : Z:\HPCHEM1\BNA M\Data\BM031418\
Data File : BM014568.D
Acq On : 14 Mar 2018 12:57
Operator : SJ/JU
Sample : J1813-14
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6F10

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

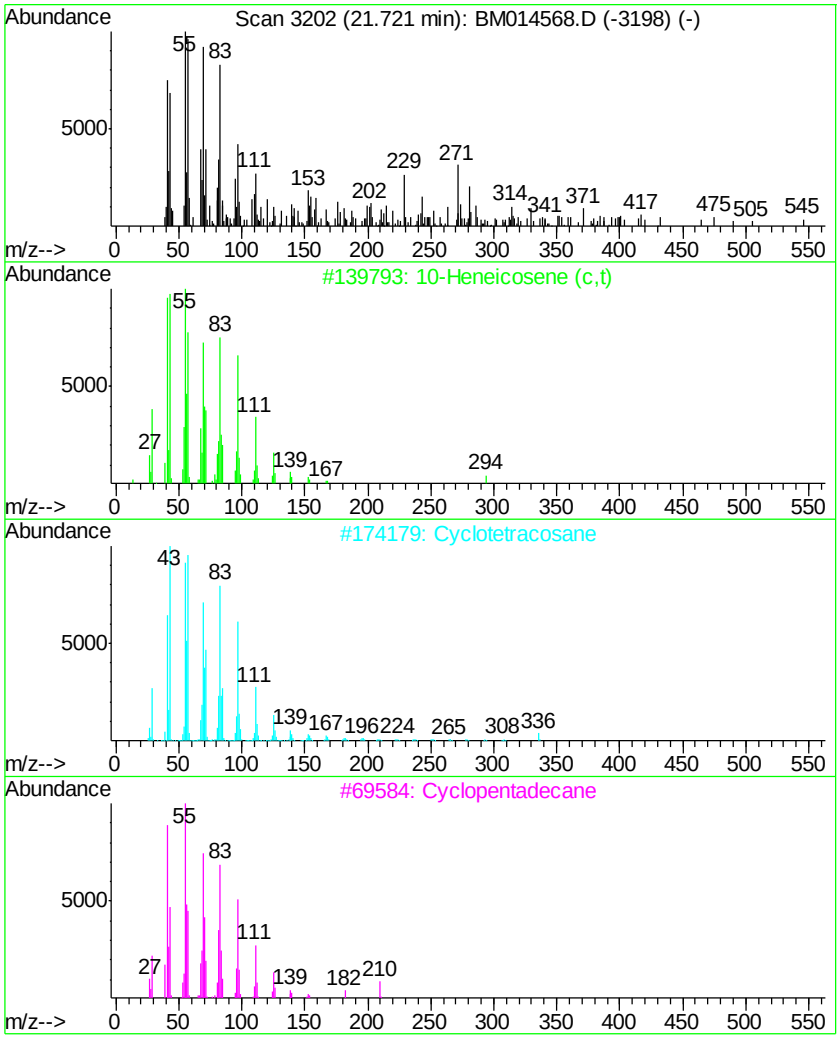
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

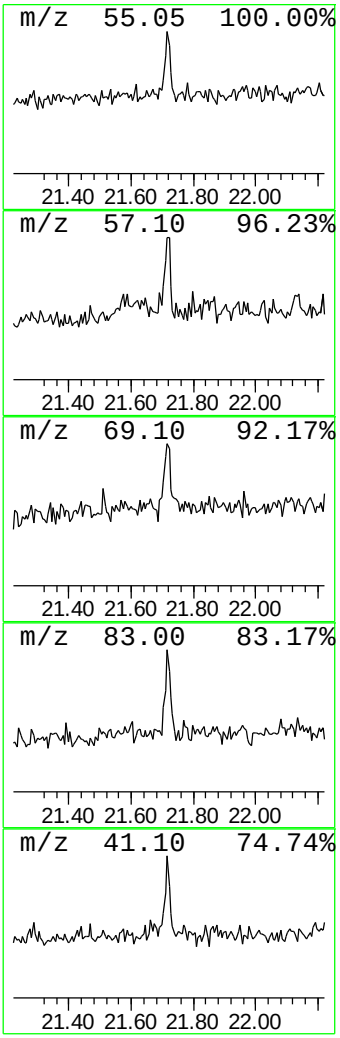
**********

Peak Number 12 (DEL) Alkane: Cyclic21.72 Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.72 | 5.89 ng/ul | 335433 | Chrysene-d12 | 21.13 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 10-Heneicosene (c,t) | 294 | C21H42 | 095008-11-0 | 70 |
| 2 | Cyclotetracosane | 336 | C24H48 | 000297-03-0 | 70 |
| 3 | Cyclopentadecane | 210 | C15H30 | 000295-48-7 | 70 |
| 4 | 1-Pentadecene | 210 | C15H30 | 013360-61-7 | 70 |
| 5 | Cyclopentane, 1,1,3-trimethyl- | 112 | C8H16 | 004516-69-2 | 55 |



# Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\Data\BM031418\
Data File : BM014568.D
Acq On : 14 Mar 2018 12:57
Operator : SJ/JU
Sample : J1813-14
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6F10

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.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 |
| Naphthalene, 1,2,... | 13.37 | 4.5 | ng/ul | 327255 | 3 | 14.15 | 1453050 | 20.0 |
| Copaene | 13.43 | 7.6 | ng/ul | 553743 | 3 | 14.15 | 1453050 | 20.0 |
| (DEL) Alkane: Str... | 14.03 | 2.2 | ng/ul | 157461 | 3 | 14.15 | 1453050 | 20.0 |
| Cedrol | 15.43 | 16.1 | ng/ul | 1173130 | 3 | 14.15 | 1453050 | 20.0 |
| (DEL) Alkane: Str... | 15.87 | 2.0 | ng/ul | 164644 | 4 | 16.91 | 1610630 | 20.0 |
| n-Hexadecanoic acid | 17.82 | 8.2 | ng/ul | 660788 | 4 | 16.91 | 1610630 | 20.0 |
| Octadecanoic acid | 19.11 | 5.0 | ng/ul | 284419 | 5 | 21.13 | 1138750 | 20.0 |
| Benz[c]acridine, ... | 19.25 | 2.0 | ng/ul | 116398 | 5 | 21.13 | 1138750 | 20.0 |
| unknown-01 | 20.20 | 14.1 | ng/ul | 802914 | 5 | 21.13 | 1138750 | 20.0 |
| unknown-02 | 20.24 | 5.9 | ng/ul | 334832 | 5 | 21.13 | 1138750 | 20.0 |
| (DEL) Alkane: Cyc... | 20.83 | 10.5 | ng/ul | 596467 | 5 | 21.13 | 1138750 | 20.0 |
| (DEL) Alkane: Cyc... | 21.72 | 5.9 | ng/ul | 335433 | 5 | 21.13 | 1138750 | 20.0 |