LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011019\
Data File : BF111994.D
Acq On : 10 Jan 2019 18:22
Operator : JU/SJ
Sample : K1100-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SOIL-DRUM-D

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.169 | 9 | 14 | 19 | rVB | 53160 | 71254 | 2.96% | 0.313% |
| 2 | 5.093 | 507 | 511 | 518 | rVB | 151739 | 169817 | 7.06% | 0.746% |
| 3 | 5.510 | 577 | 582 | 585 | rBV | 2351969 | 2158714 | 89.80% | 9.488% |
| 4 | 6.516 | 748 | 753 | 756 | rBV | 2416621 | 2403864 | 100.00% | 10.565% |
| 5 | 6.651 | 771 | 776 | 779 | rBV | 2641279 | 2391829 | 99.50% | 10.513% |
| 6 | 6.698 | 781 | 784 | 794 | rVB | 160905 | 137182 | 5.71% | 0.603% |
| 7 | 6.875 | 810 | 814 | 819 | rBV | 743064 | 587082 | 24.42% | 2.580% |
| 8 | 6.934 | 821 | 824 | 827 | rBV | 44661 | 33239 | 1.38% | 0.146% |
| 9 | 7.034 | 837 | 841 | 844 | rBV | 1783324 | 1536786 | 63.93% | 6.754% |
| 10 | 7.434 | 904 | 909 | 912 | rBV | 1619293 | 1471830 | 61.23% | 6.469% |
| 11 | 8.157 | 1026 | 1032 | 1035 | rBV | 890267 | 773517 | 32.18% | 3.400% |
| 12 | 8.216 | 1039 | 1042 | 1045 | rVB3 | 25730 | 27472 | 1.14% | 0.121% |
| 13 | 8.451 | 1076 | 1082 | 1088 | rBV5 | 26067 | 40113 | 1.67% | 0.176% |
| 14 | 8.581 | 1100 | 1104 | 1106 | rBV | 36836 | 33724 | 1.40% | 0.148% |
| 15 | 8.745 | 1129 | 1132 | 1136 | rBV | 109108 | 93950 | 3.91% | 0.413% |
| 16 | 9.181 | 1203 | 1206 | 1210 | rVB | 35340 | 26774 | 1.11% | 0.118% |
| 17 | 9.233 | 1210 | 1215 | 1217 | rBV | 2091058 | 1926403 | 80.14% | 8.467% |
| 18 | 9.310 | 1225 | 1228 | 1232 | rBV | 122190 | 116759 | 4.86% | 0.513% |
| 19 | 9.622 | 1277 | 1281 | 1285 | rBV | 871698 | 708592 | 29.48% | 3.114% |
| 20 | 9.657 | 1285 | 1287 | 1290 | rVB2 | 26400 | 26193 | 1.09% | 0.115% |
| 21 | 9.839 | 1315 | 1318 | 1322 | rVB | 114229 | 90931 | 3.78% | 0.400% |
| 22 | 9.910 | 1326 | 1330 | 1335 | rVB2 | 1145279 | 963193 | 40.07% | 4.233% |
| 23 | 10.163 | 1369 | 1373 | 1377 | rBV3 | 20305 | 27584 | 1.15% | 0.121% |
| 24 | 10.339 | 1401 | 1403 | 1407 | rVB | 88556 | 68752 | 2.86% | 0.302% |
| 25 | 10.563 | 1436 | 1441 | 1443 | rBV | 27097 | 32489 | 1.35% | 0.143% |
| 26 | 10.698 | 1460 | 1464 | 1478 | rVB | 1796521 | 1666969 | 69.35% | 7.327% |
| 27 | 10.816 | 1481 | 1484 | 1485 | rBV | 46777 | 41683 | 1.73% | 0.183% |
| 28 | 11.398 | 1579 | 1583 | 1586 | rBV | 918777 | 739351 | 30.76% | 3.250% |
| 29 | 11.916 | 1668 | 1671 | 1675 | rBV3 | 34135 | 28768 | 1.20% | 0.126% |
| 30 | 12.980 | 1848 | 1852 | 1855 | rBV | 1647755 | 1360737 | 56.61% | 5.981% |
| 31 | 13.210 | 1888 | 1891 | 1895 | rVB | 45761 | 35654 | 1.48% | 0.157% |
| 32 | 13.551 | 1946 | 1949 | 1952 | rVB | 63387 | 46233 | 1.92% | 0.203% |
| 33 | 13.880 | 2000 | 2005 | 2012 | rBV | 113000 | 116005 | 4.83% | 0.510% |
| 34 | 14.039 | 2028 | 2032 | 2035 | rVB | 785494 | 692843 | 28.82% | 3.045% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011019\
Data File : BF111994.D
Acq On : 10 Jan 2019 18:22
Operator : JU/SJ
Sample : K1100-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SOIL-DRUM-D

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 14.198 | 2055 | 2059 | 2063 | rBV | 130620 | 113535 | 4.72% | 0.499% |
| 36 | 14.510 | 2108 | 2112 | 2116 | rBV | 145865 | 135875 | 5.65% | 0.597% |
| 37 | 14.668 | 2135 | 2139 | 2142 | rBV2 | 27659 | 27459 | 1.14% | 0.121% |
| 38 | 14.815 | 2158 | 2164 | 2169 | rBV | 165126 | 182923 | 7.61% | 0.804% |
| 39 | 14.892 | 2174 | 2177 | 2182 | rVV | 70030 | 73273 | 3.05% | 0.322% |
| 40 | 15.162 | 2219 | 2223 | 2229 | rBV | 158868 | 190865 | 7.94% | 0.839% |
| 41 | 15.527 | 2279 | 2285 | 2294 | rVB2 | 492605 | 835882 | 34.77% | 3.674% |
| 42 | 15.986 | 2358 | 2363 | 2369 | rBV | 115411 | 175683 | 7.31% | 0.772% |
| 43 | 16.157 | 2388 | 2392 | 2393 | rBV4 | 23375 | 27614 | 1.15% | 0.121% |
| 44 | 16.498 | 2444 | 2450 | 2456 | rVB3 | 98321 | 193437 | 8.05% | 0.850% |
| 45 | 17.098 | 2548 | 2552 | 2557 | rVB3 | 39670 | 57811 | 2.40% | 0.254% |
| 46 | 17.404 | 2602 | 2604 | 2616 | rVB3 | 22940 | 64715 | 2.69% | 0.284% |
| 47 | 17.692 | 2648 | 2653 | 2654 | rBV5 | 20412 | 26721 | 1.11% | 0.117% |

Sum of corrected areas: 22752079

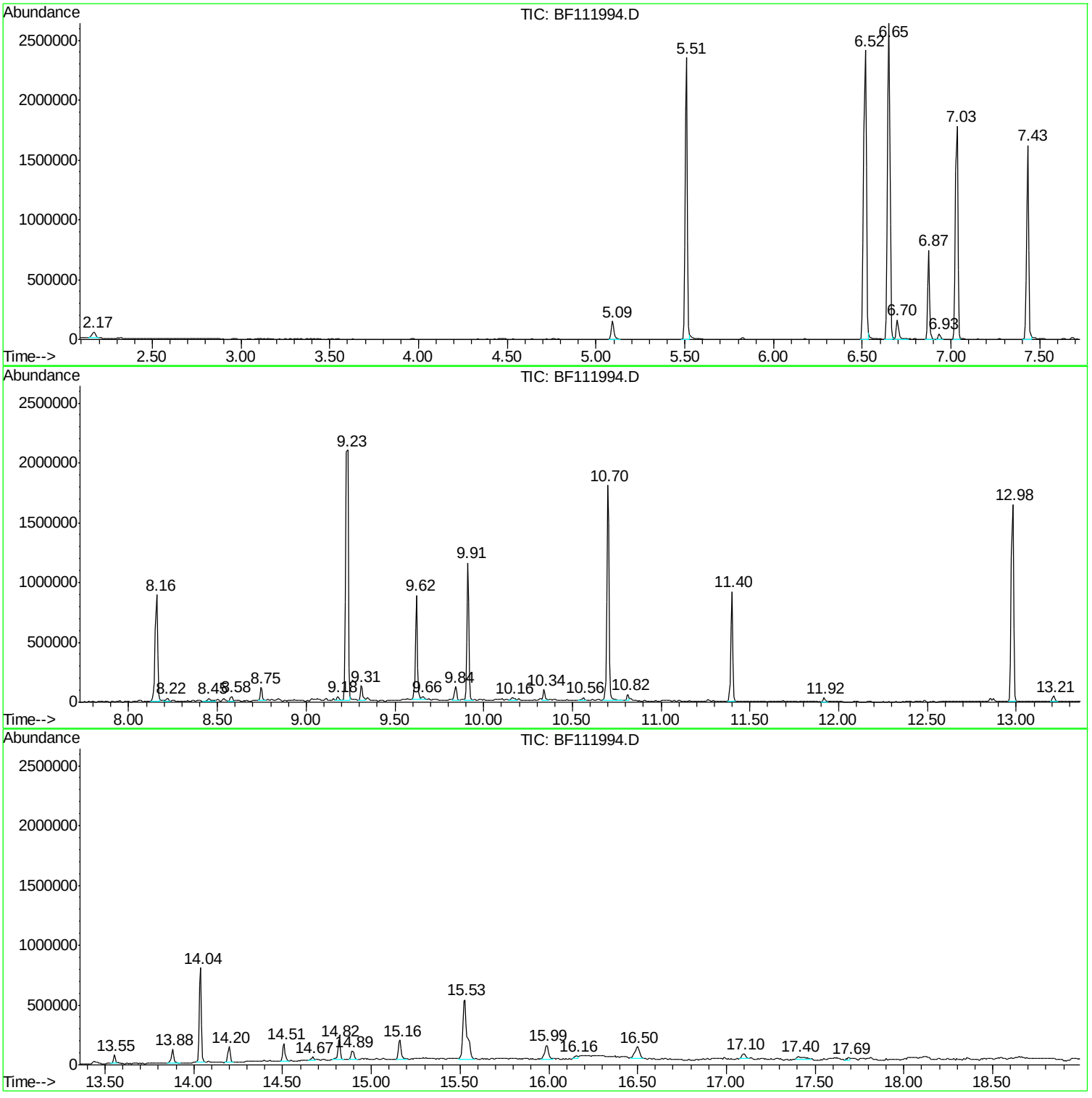
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011019\
Data File : BF111994.D
Acq On : 10 Jan 2019 18:22
Operator : JU/SJ
Sample : K1100-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SOIL-DRUM-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011019\
Data File : BF111994.D
Acq On : 10 Jan 2019 18:22
Operator : JU/SJ
Sample : K1100-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SOIL-DRUM-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

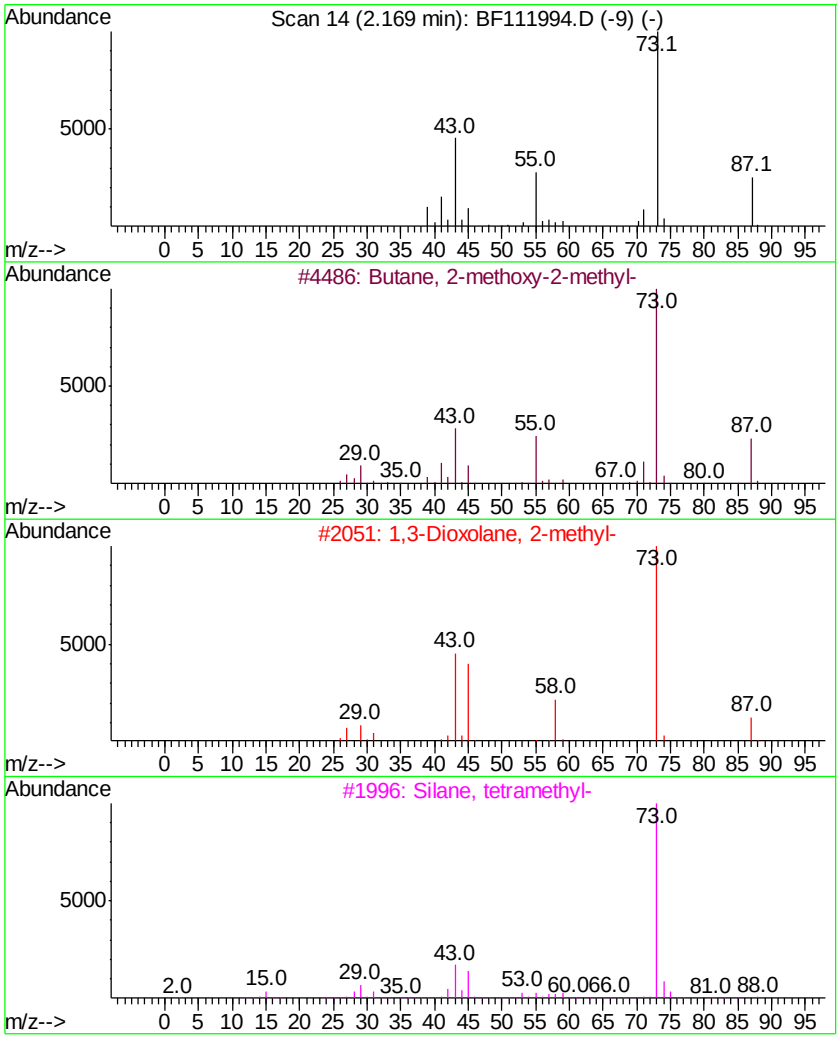
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

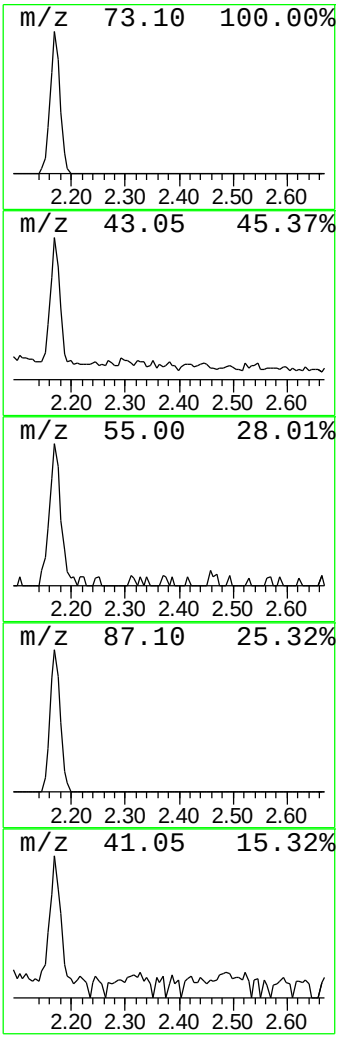
**********

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.17 | 2.43 ng | 71254 | 1,4-Dichlorobenzene-d4 | 6.87 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 72 |
| 2 | 1,3-Dioxolane, 2-methyl- | 88 | C4H8O2 | 000497-26-7 | 38 |
| 3 | Silane, tetramethyl- | 88 | C4H12Si | 000075-76-3 | 27 |
| 4 | Acetamide, N-methyl- | 73 | C3H7NO | 000079-16-3 | 9 |
| 5 | N-Ethylformamide | 73 | C3H7NO | 000627-45-2 | 9 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011019\
Data File : BF111994.D
Acq On : 10 Jan 2019 18:22
Operator : JU/SJ
Sample : K1100-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SOIL-DRUM-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

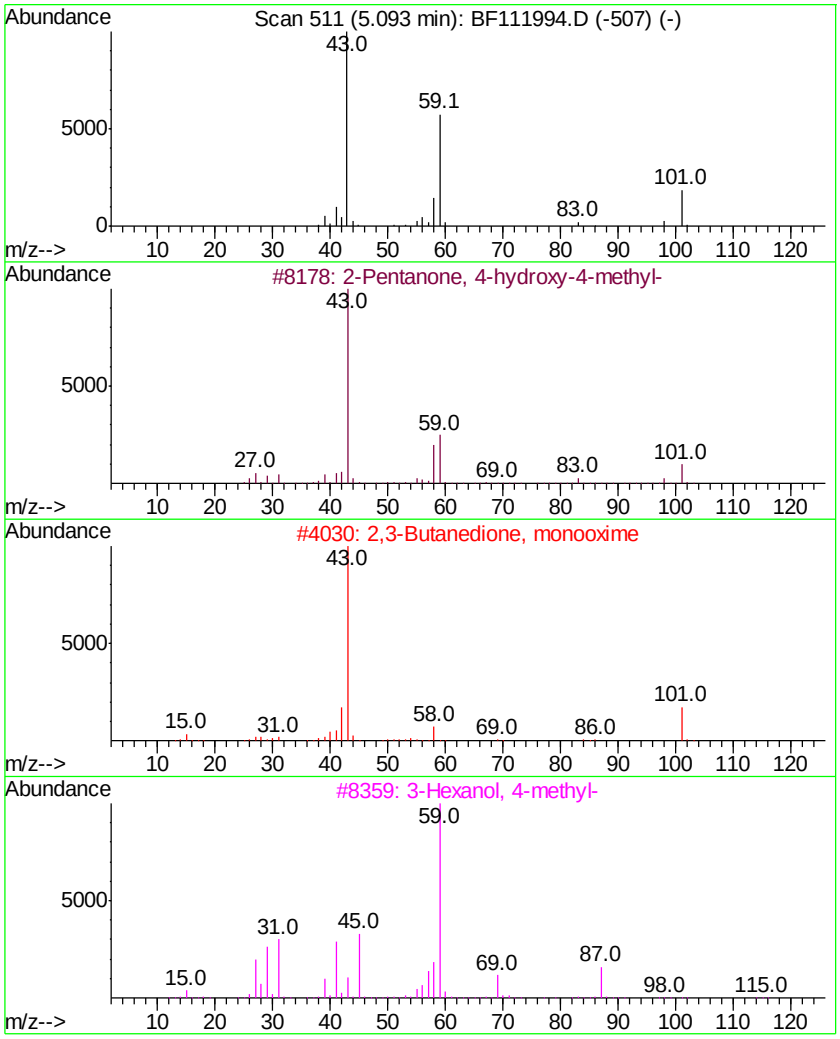
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

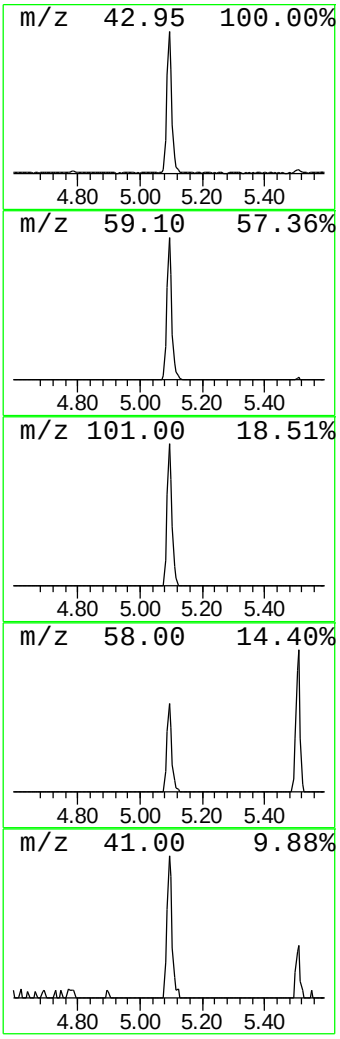
**********

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.09 | 5.79 ng | 169817 | 1,4-Dichlorobenzene-d4 | 6.87 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 59 |
| 2 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 16 |
| 3 | 3-Hexanol, 4-methyl- | 116 | C7H16O | 000615-29-2 | 9 |
| 4 | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 9 |
| 5 | Propane, 1-ethoxy-2-methyl- | 102 | C6H14O | 000627-02-1 | 9 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011019\
Data File : BF111994.D
Acq On : 10 Jan 2019 18:22
Operator : JU/SJ
Sample : K1100-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SOIL-DRUM-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

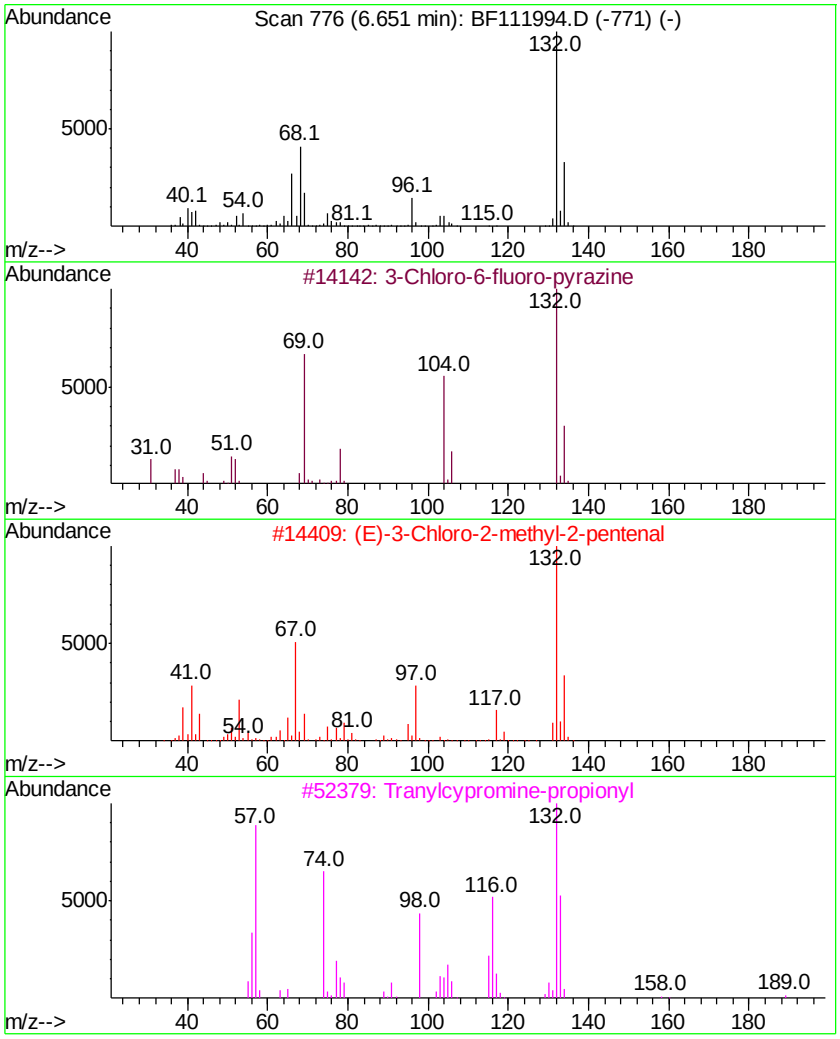
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

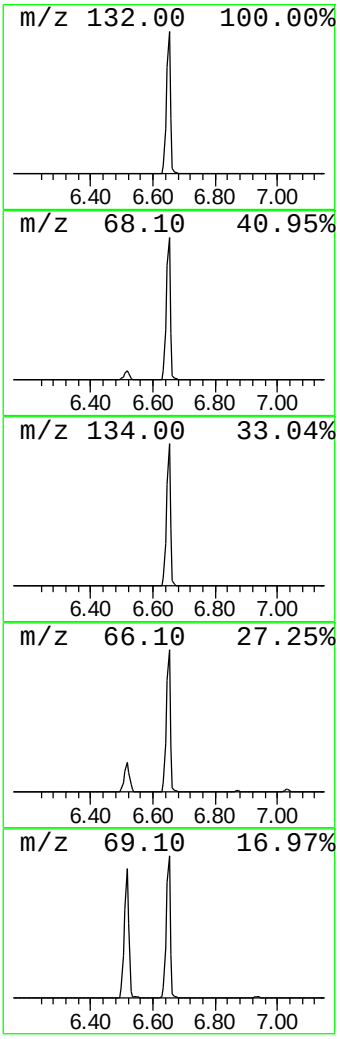
**********

Peak Number 3 unknown6.65 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.65 | 81.48 ng | 2391830 | 1,4-Dichlorobenzene-d4 | 6.87 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 27 |
| 2 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 16 |
| 3 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 12 |
| 4 | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12 | 028749-81-7 | 9 |
| 5 | Benzene, 1-ethenyl-3,5-dimethyl- | 132 | C10H12 | 005379-20-4 | 9 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011019\
Data File : BF111994.D
Acq On : 10 Jan 2019 18:22
Operator : JU/SJ
Sample : K1100-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SOIL-DRUM-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

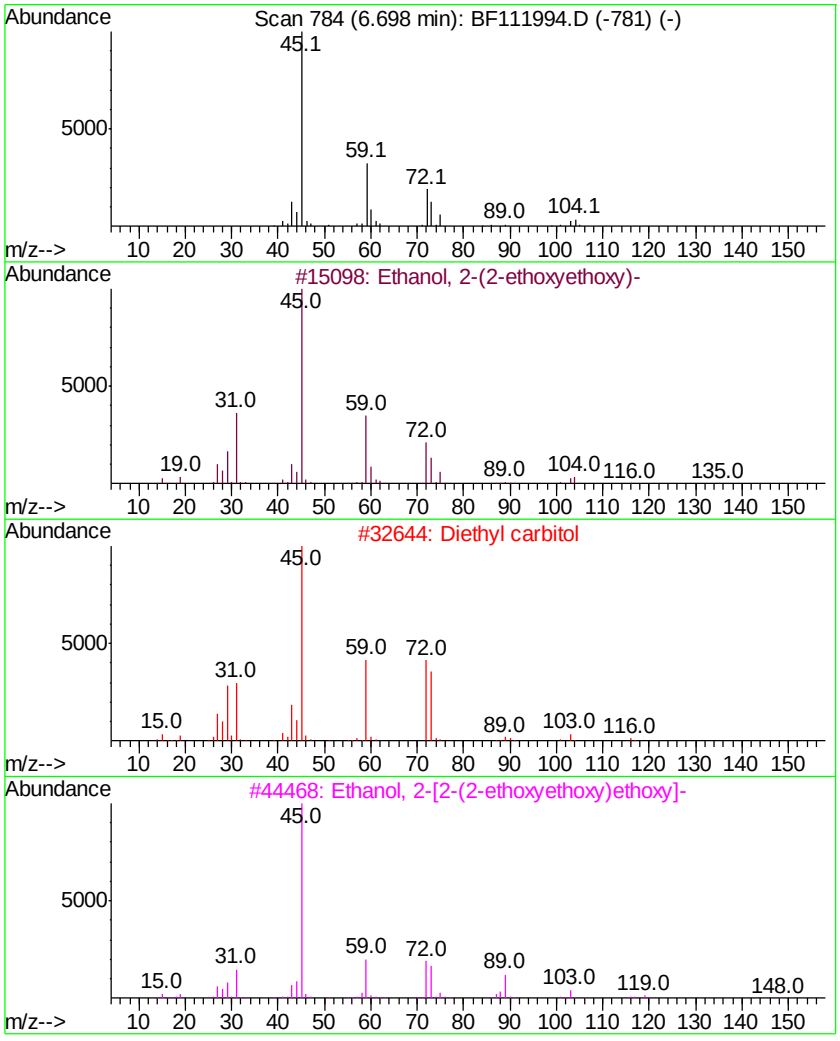
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

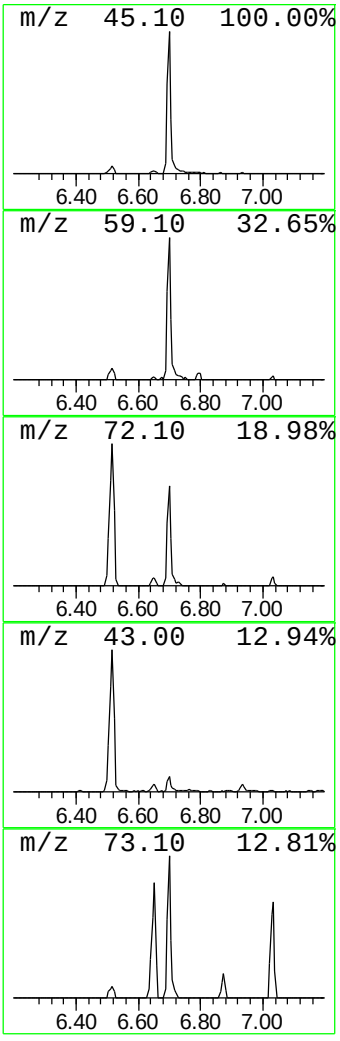
**********

Peak Number 4 Ethanol, 2-(2-ethoxyethoxy)- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.70 | 4.67 ng | 137182 | 1,4-Dichlorobenzene-d4 | 6.87 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethanol, 2-(2-ethoxyethoxy)- | 134 | C6H14O3 | 000111-90-0 | 83 |
| 2 | Diethyl carbitol | 162 | C8H18O3 | 000112-36-7 | 72 |
| 3 | Ethanol, 2-[2-(2-ethoxyethoxy)et... | 178 | C8H18O4 | 000112-50-5 | 64 |
| 4 | 2-Propanol, 1-(1-methylethoxy)- | 118 | C6H14O2 | 003944-36-3 | 39 |
| 5 | 2-Propanol, 1-propoxy- | 118 | C6H14O2 | 001569-01-3 | 39 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011019\
Data File : BF111994.D
Acq On : 10 Jan 2019 18:22
Operator : JU/SJ
Sample : K1100-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SOIL-DRUM-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

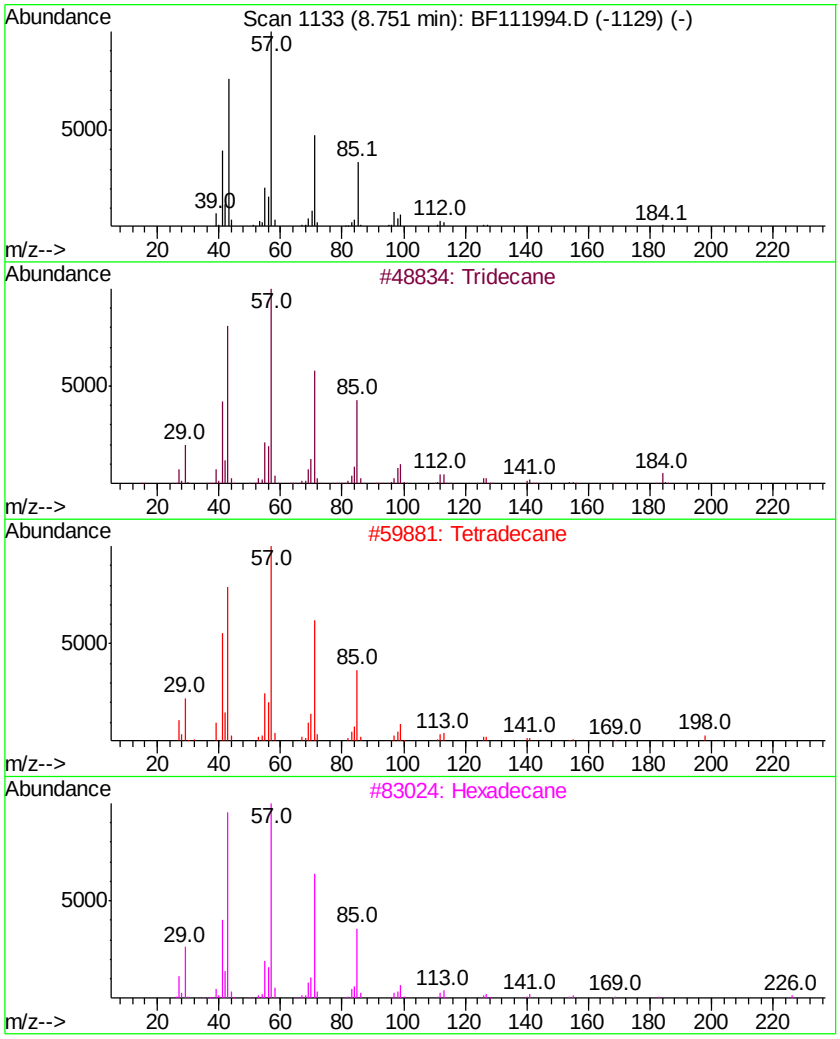
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

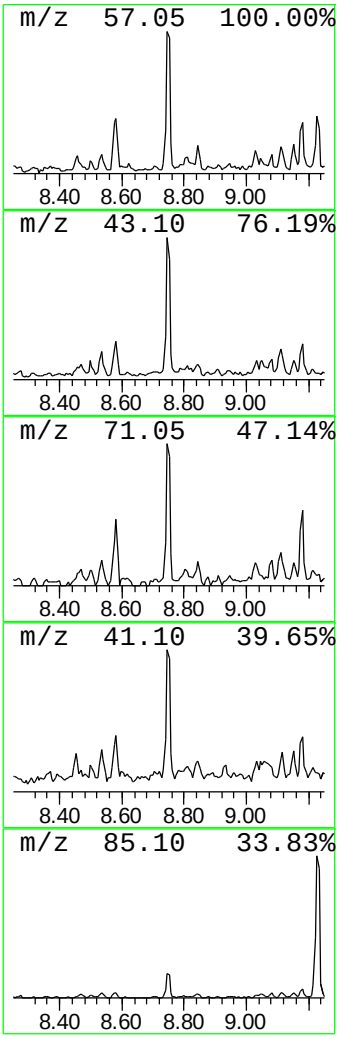
**********

Peak Number 6 Tridecane Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.75 | 2.43 ng | 93950 | Naphthalene-d8 | 8.16 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tridecane | 184 | C13H28 | 000629-50-5 | 91 |
| 2 | Tetradecane | 198 | C14H30 | 000629-59-4 | 86 |
| 3 | Hexadecane | 226 | C16H34 | 000544-76-3 | 80 |
| 4 | Decane, 2,3,5-trimethyl- | 184 | C13H28 | 062238-11-3 | 72 |
| 5 | Dodecane | 170 | C12H26 | 000112-40-3 | 72 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011019\
Data File : BF111994.D
Acq On : 10 Jan 2019 18:22
Operator : JU/SJ
Sample : K1100-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SOIL-DRUM-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

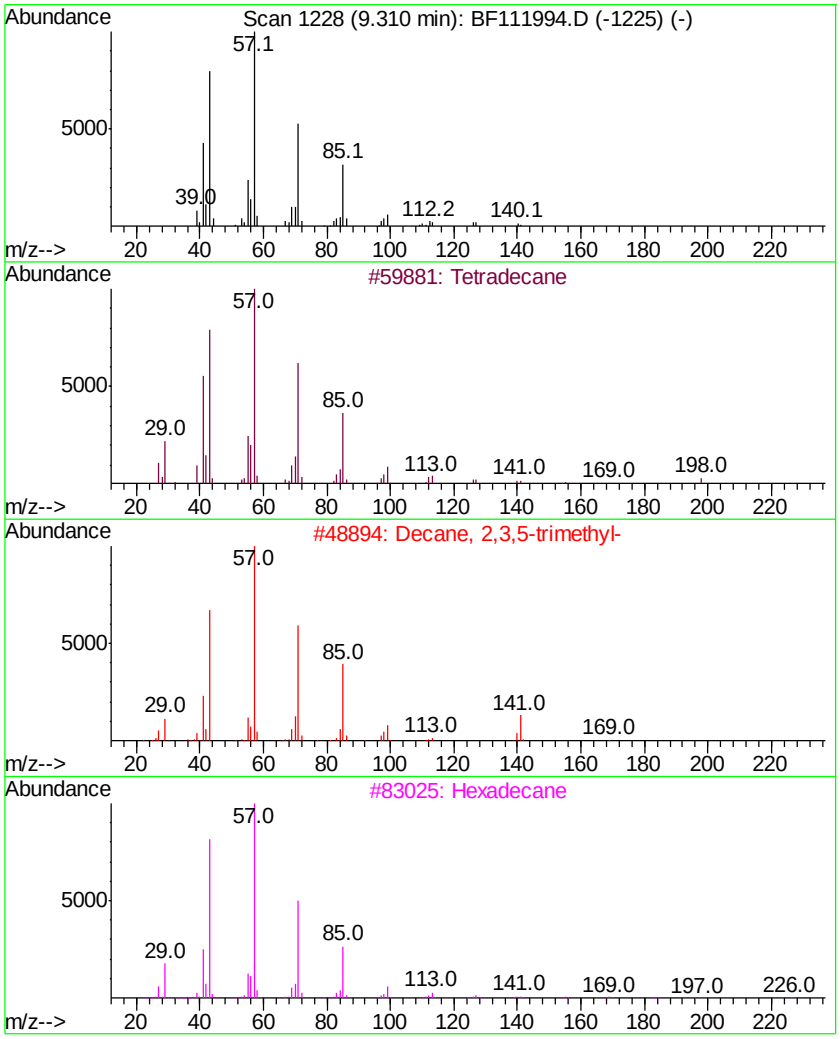
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

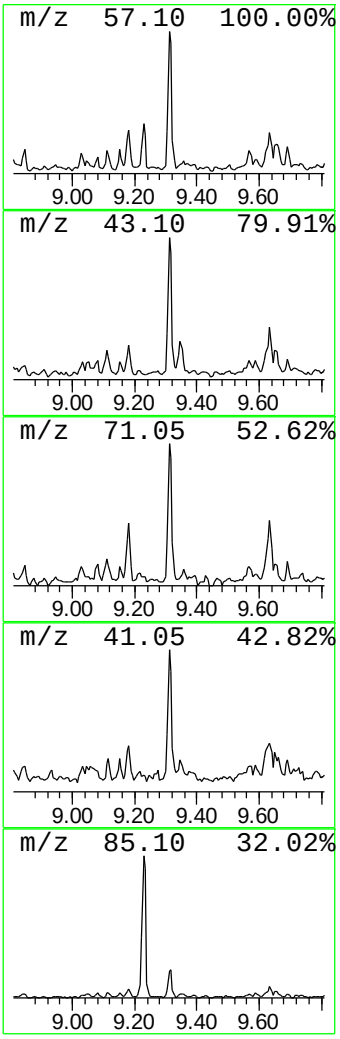
**********

Peak Number 7 Tetradecane Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.31 | 2.42 ng | 116759 | Acenaphthene-d10 | 9.91 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetradecane | 198 | C14H30 | 000629-59-4 | 90 |
| 2 | Decane, 2,3,5-trimethyl- | 184 | C13H28 | 062238-11-3 | 90 |
| 3 | Hexadecane | 226 | C16H34 | 000544-76-3 | 90 |
| 4 | Heptadecane, 2,6,10,14-tetramethyl- | 296 | C21H44 | 018344-37-1 | 80 |
| 5 | Sulfurous acid, 2-ethylhexyl iso... | 278 | C14H30O3S | 1000309-19-0 | 78 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011019\
Data File : BF111994.D
Acq On : 10 Jan 2019 18:22
Operator : JU/SJ
Sample : K1100-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SOIL-DRUM-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

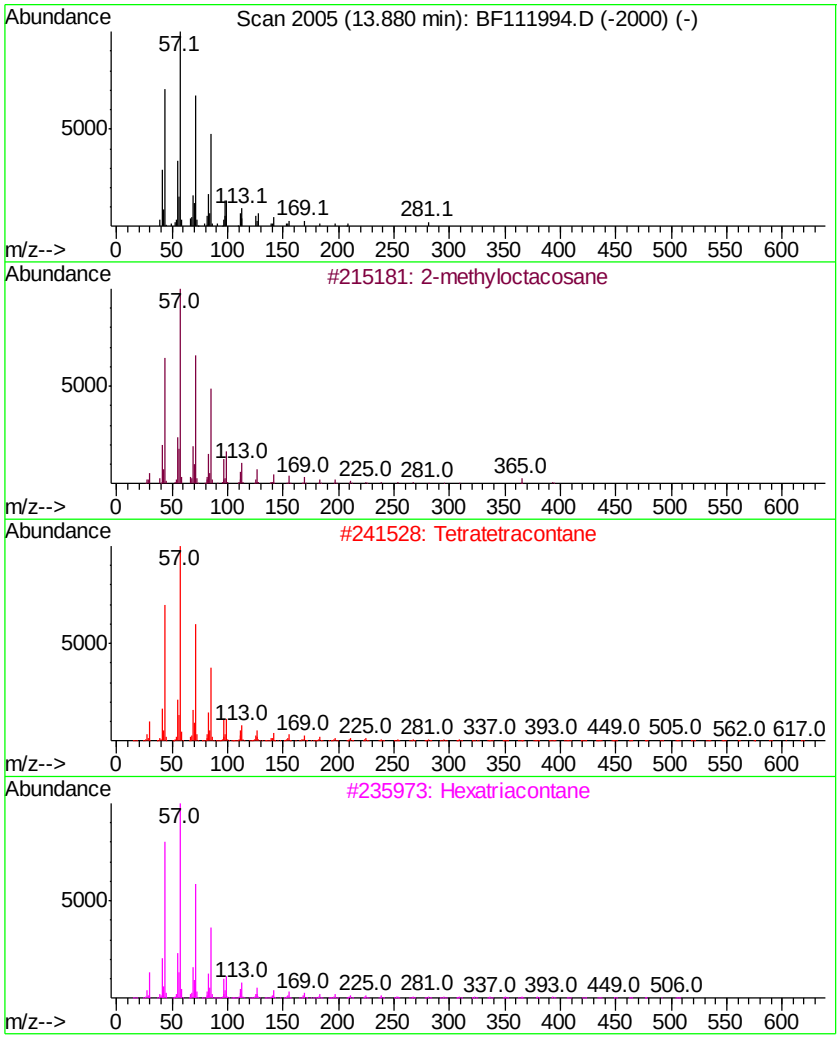
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

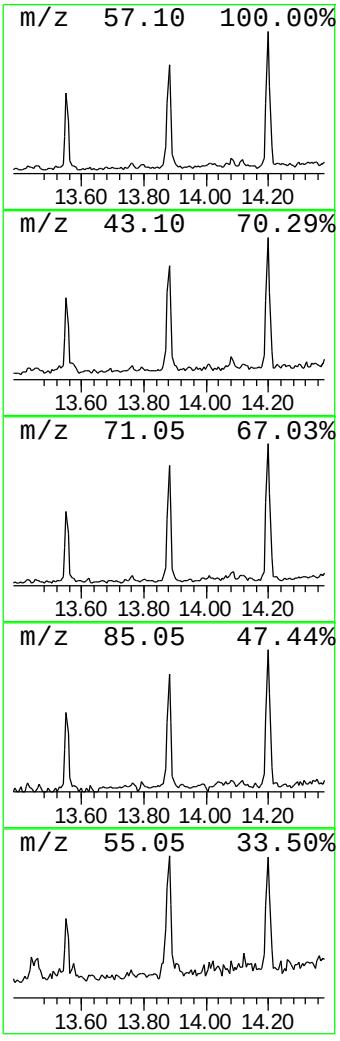
**********

Peak Number 8 2-methyloctacosane Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.88 | 3.35 ng | 116005 | Chrysene-d12 | 14.04 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-methyloctacosane | 408 | C29H60 | 1000376-72-8 | 91 |
| 2 | Tetratetracontane | 619 | C44H90 | 007098-22-8 | 91 |
| 3 | Hexatriacontane | 507 | C36H74 | 000630-06-8 | 91 |
| 4 | Tritetracontane | 605 | C43H88 | 007098-21-7 | 91 |
| 5 | Hexacosane | 366 | C26H54 | 000630-01-3 | 91 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011019\
Data File : BF111994.D
Acq On : 10 Jan 2019 18:22
Operator : JU/SJ
Sample : K1100-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SOIL-DRUM-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

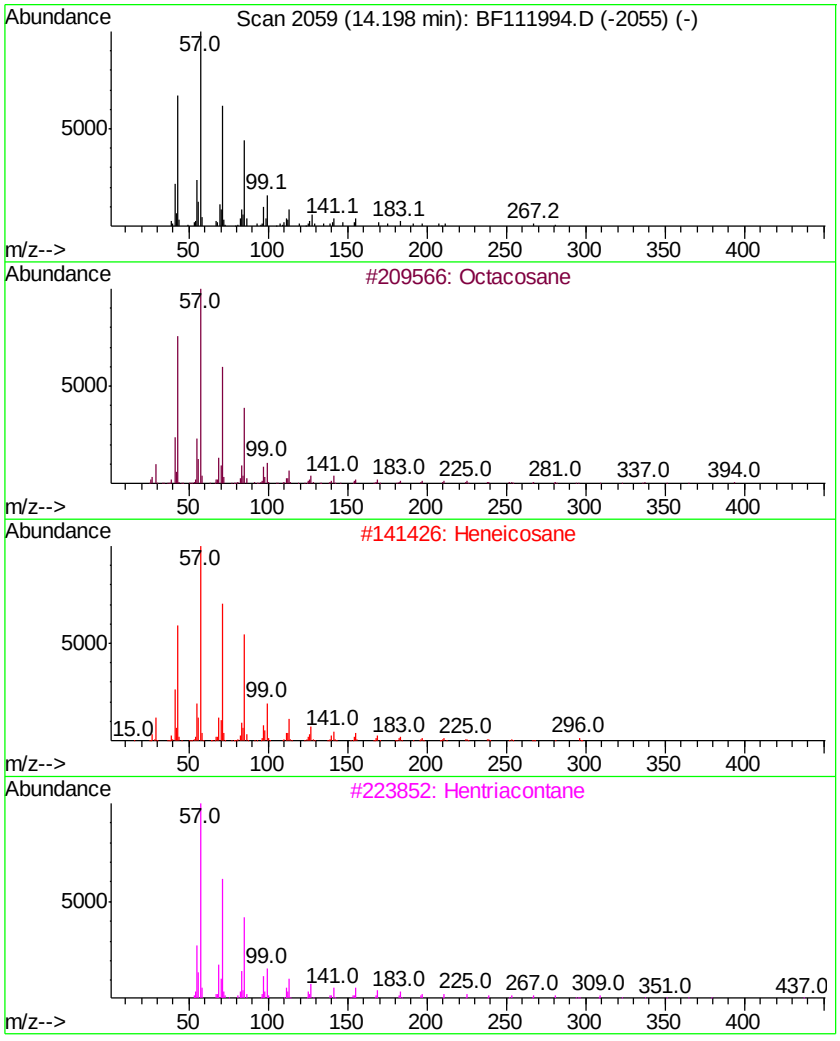
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

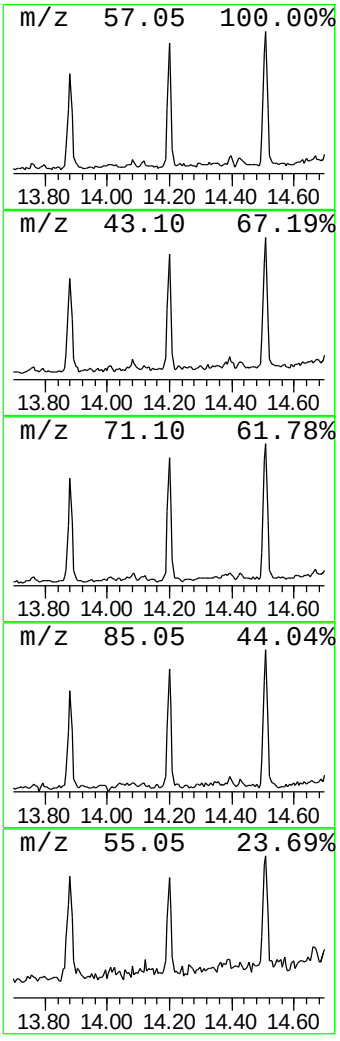
**********

Peak Number 9 Octacosane Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.20 | 3.28 ng | 113535 | Chrysene-d12 | 14.04 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octacosane | 394 | C28H58 | 000630-02-4 | 91 |
| 2 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 3 | Hentriacontane | 437 | C31H64 | 000630-04-6 | 91 |
| 4 | Heptacosane | 380 | C27H56 | 000593-49-7 | 91 |
| 5 | Hexacosane | 366 | C26H54 | 000630-01-3 | 90 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011019\
Data File : BF111994.D
Acq On : 10 Jan 2019 18:22
Operator : JU/SJ
Sample : K1100-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SOIL-DRUM-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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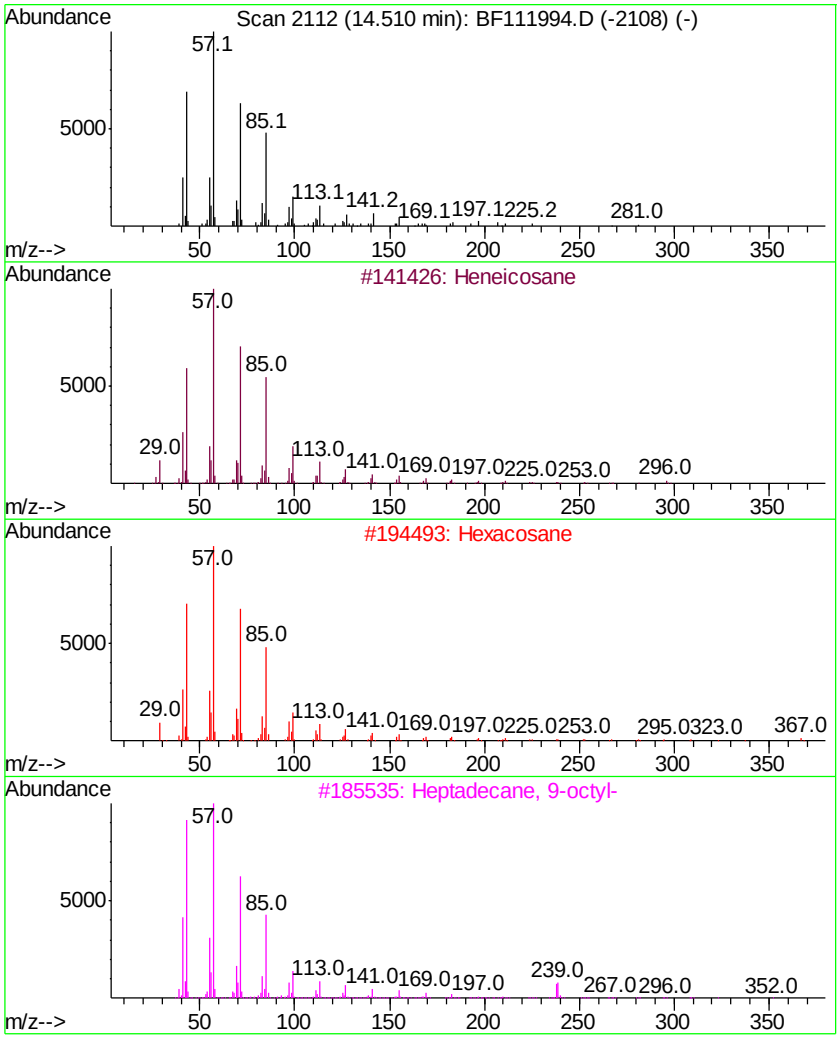
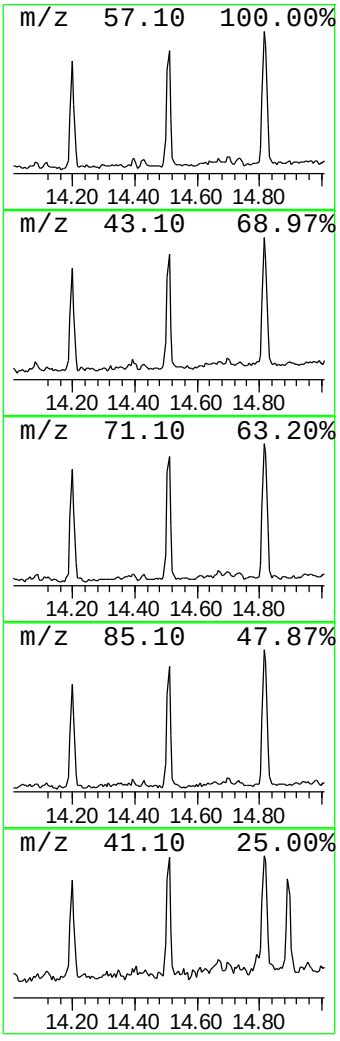
Peak Number 10 Heneicosane Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.51 | 3.92 ng | 135875 | Chrysene-d12 | 14.04 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 2 | Hexacosane | 366 | C26H54 | 000630-01-3 | 91 |
| 3 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 91 |
| 4 | Octacosane | 394 | C28H58 | 000630-02-4 | 91 |
| 5 | Docosane | 310 | C22H46 | 000629-97-0 | 91 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011019\
Data File : BF111994.D
Acq On : 10 Jan 2019 18:22
Operator : JU/SJ
Sample : K1100-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SOIL-DRUM-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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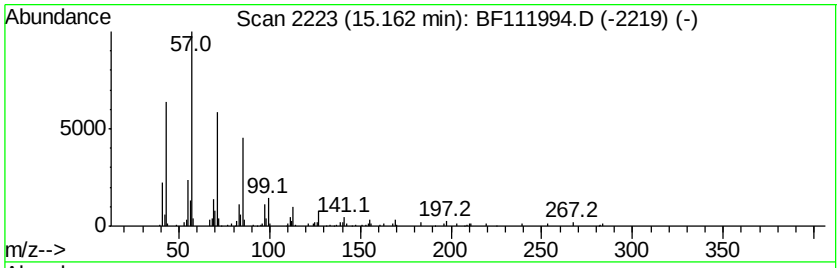
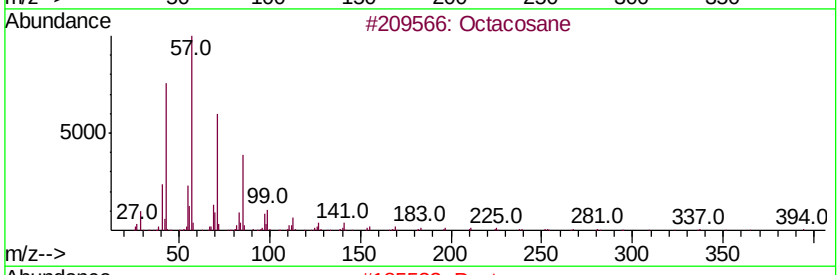
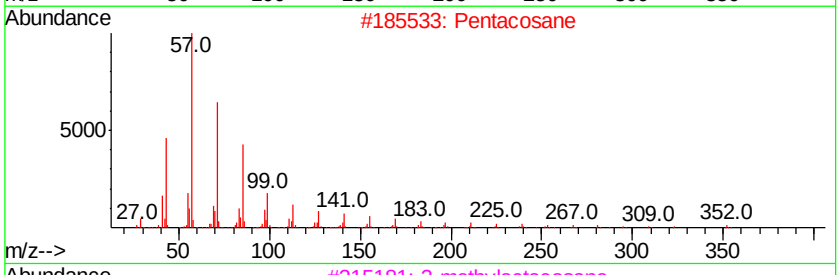
Peak Number 12 Octacosane Concentration Rank 6

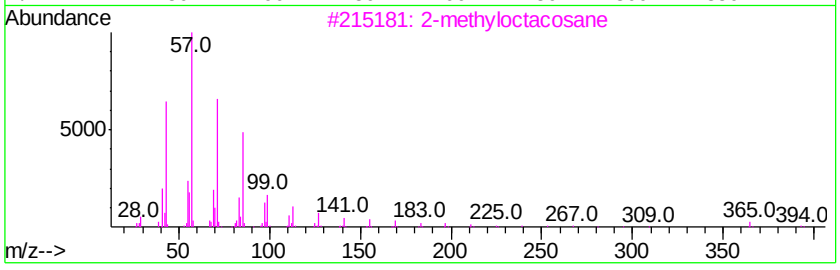
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.16 | 4.57 ng | 190865 | Perylene-d12 | 15.53 |

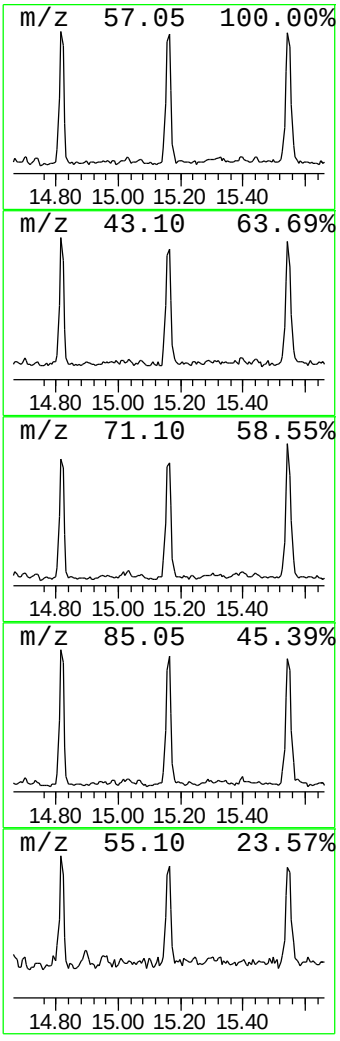
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octacosane | 394 | C28H58 | 000630-02-4 | 91 |
| 2 | Pentacosane | 352 | C25H52 | 000629-99-2 | 91 |
| 3 | 2-methyloctacosane | 408 | C29H60 | 1000376-72-8 | 91 |
| 4 | Tetracosane | 338 | C24H50 | 000646-31-1 | 90 |
| 5 | Heneicosane | 296 | C21H44 | 000629-94-7 | 90 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011019\
Data File : BF111994.D
Acq On : 10 Jan 2019 18:22
Operator : JU/SJ
Sample : K1100-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SOIL-DRUM-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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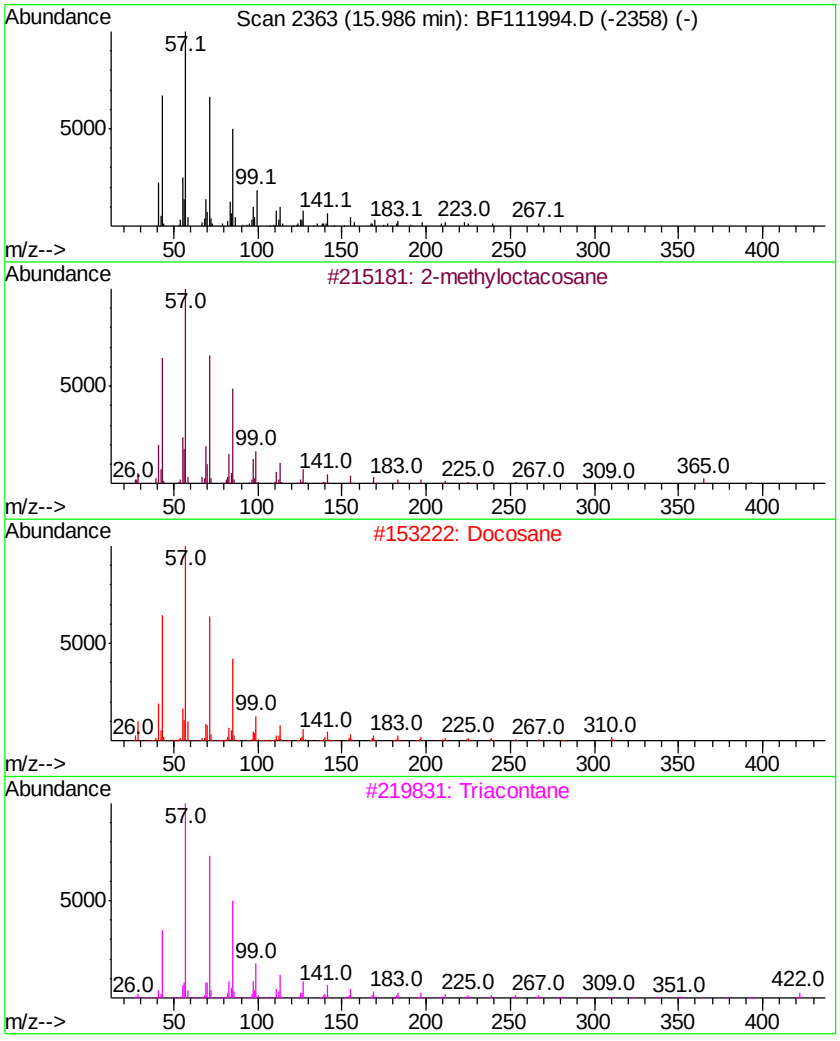
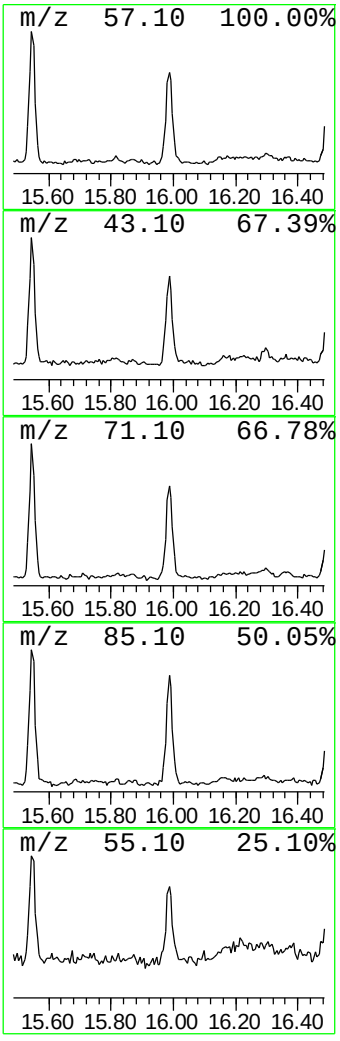
Peak Number 13 2-methyloctacosane Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.99 | 4.20 ng | 175683 | Perylene-d12 | 15.53 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-methyloctacosane | 408 | C29H60 | 1000376-72-8 | 91 |
| 2 | Docosane | 310 | C22H46 | 000629-97-0 | 91 |
| 3 | Triacontane | 422 | C30H62 | 000638-68-6 | 91 |
| 4 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 5 | Hentriacontane | 437 | C31H64 | 000630-04-6 | 91 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011019\
Data File : BF111994.D
Acq On : 10 Jan 2019 18:22
Operator : JU/SJ
Sample : K1100-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SOIL-DRUM-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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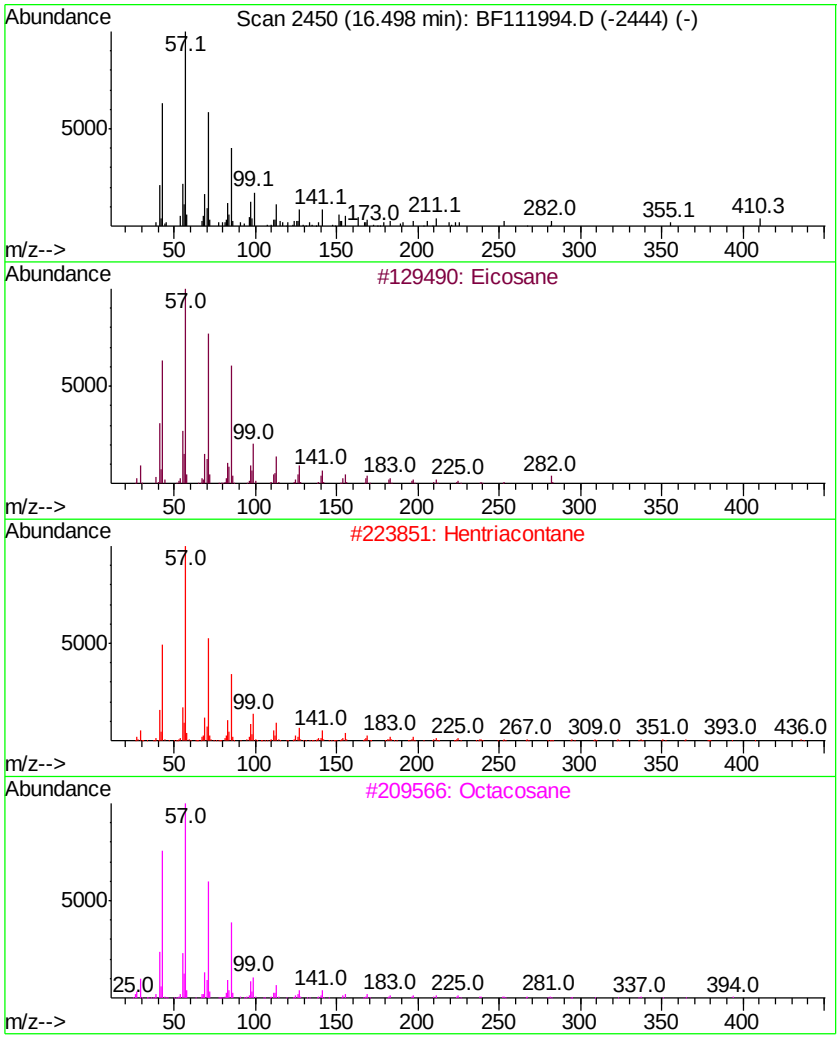
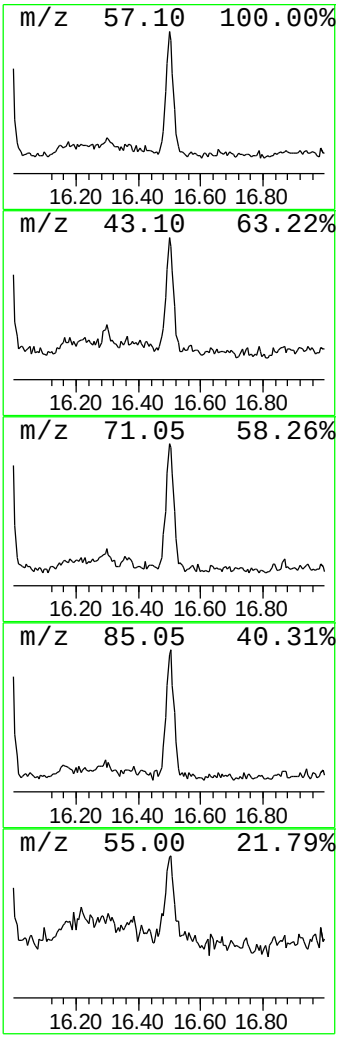
Peak Number 14 Eicosane Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.50 | 4.63 ng | 193437 | Perylene-d12 | 15.53 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosane | 282 | C20H42 | 000112-95-8 | 96 |
| 2 | Hentriacontane | 437 | C31H64 | 000630-04-6 | 90 |
| 3 | Octacosane | 394 | C28H58 | 000630-02-4 | 90 |
| 4 | Heneicosane | 296 | C21H44 | 000629-94-7 | 90 |
| 5 | Tetratetracontane | 619 | C44H90 | 007098-22-8 | 87 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF011019\
Data File : BF111994.D
Acq On : 10 Jan 2019 18:22
Operator : JU/SJ
Sample : K1100-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SOIL-DRUM-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT 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 |
| Butane, 2-methoxy... | 2.17 | 2.4 | ng | 71254 | 1 | 6.87 | 587082 | 20.0 |
| 2-Pentanone, 4-hy... | 5.09 | 5.8 | ng | 169817 | 1 | 6.87 | 587082 | 20.0 |
| unknown6.65 | 6.65 | 81.5 | ng | 2391830 | 1 | 6.87 | 587082 | 20.0 |
| Ethanol, 2-(2-eth... | 6.70 | 4.7 | ng | 137182 | 1 | 6.87 | 587082 | 20.0 |
| Tridecane | 8.75 | 2.4 | ng | 93950 | 2 | 8.16 | 773517 | 20.0 |
| Tetradecane | 9.31 | 2.4 | ng | 116759 | 3 | 9.91 | 963193 | 20.0 |
| 2-methyloctacosane | 13.88 | 3.4 | ng | 116005 | 5 | 14.04 | 692843 | 20.0 |
| Octacosane | 14.20 | 3.3 | ng | 113535 | 5 | 14.04 | 692843 | 20.0 |
| Heneicosane | 14.51 | 3.9 | ng | 135875 | 5 | 14.04 | 692843 | 20.0 |
| Octacosane | 15.16 | 4.6 | ng | 190865 | 6 | 15.53 | 835882 | 20.0 |
| 2-methyloctacosane | 15.99 | 4.2 | ng | 175683 | 6 | 15.53 | 835882 | 20.0 |
| Eicosane | 16.50 | 4.6 | ng | 193437 | 6 | 15.53 | 835882 | 20.0 |