LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022820\
Data File : BF119143.D
Acq On : 28 Feb 2020 21:22
Operator : CG/JU
Sample : L1718-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 72-11976

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-BF022020.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 | 3.263 | 175 | 200 | 211 | rBV2 | 253031 | 1635937 | 62.97% | 6.863% |
| 2 | 5.357 | 552 | 556 | 576 | rBV | 1792794 | 1916886 | 73.78% | 8.042% |
| 3 | 6.381 | 726 | 730 | 756 | rBV | 1851274 | 1897332 | 73.03% | 7.960% |
| 4 | 6.734 | 786 | 790 | 799 | rBV | 765768 | 695370 | 26.76% | 2.917% |
| 5 | 6.887 | 812 | 816 | 828 | rBV | 1820004 | 1595177 | 61.40% | 6.692% |
| 6 | 7.292 | 881 | 885 | 899 | rBV | 1298568 | 1236523 | 47.59% | 5.187% |
| 7 | 8.016 | 1004 | 1008 | 1022 | rBV | 1002601 | 913679 | 35.17% | 3.833% |
| 8 | 9.086 | 1186 | 1190 | 1194 | rBV | 2424034 | 2059408 | 79.27% | 8.640% |
| 9 | 9.480 | 1254 | 1257 | 1266 | rVB | 183180 | 159326 | 6.13% | 0.668% |
| 10 | 9.763 | 1301 | 1305 | 1309 | rBV | 1293694 | 1145173 | 44.08% | 4.804% |
| 11 | 9.798 | 1309 | 1311 | 1318 | rVB | 95898 | 77680 | 2.99% | 0.326% |
| 12 | 9.975 | 1337 | 1341 | 1345 | rBV | 37245 | 36269 | 1.40% | 0.152% |
| 13 | 10.310 | 1395 | 1398 | 1405 | rBV | 98036 | 87188 | 3.36% | 0.366% |
| 14 | 10.551 | 1435 | 1439 | 1451 | rBV | 1895619 | 1741129 | 67.02% | 7.304% |
| 15 | 11.245 | 1554 | 1557 | 1560 | rBV | 1346571 | 1273526 | 49.02% | 5.343% |
| 16 | 11.269 | 1560 | 1561 | 1565 | rVV | 493269 | 356479 | 13.72% | 1.495% |
| 17 | 11.322 | 1566 | 1570 | 1574 | rVB2 | 45829 | 53419 | 2.06% | 0.224% |
| 18 | 11.486 | 1594 | 1598 | 1605 | rBV2 | 19434 | 30945 | 1.19% | 0.130% |
| 19 | 11.751 | 1638 | 1643 | 1645 | rBV | 42217 | 39006 | 1.50% | 0.164% |
| 20 | 11.780 | 1645 | 1648 | 1654 | rVV | 139165 | 146630 | 5.64% | 0.615% |
| 21 | 11.863 | 1658 | 1662 | 1664 | rBV | 83443 | 81990 | 3.16% | 0.344% |
| 22 | 12.045 | 1687 | 1693 | 1696 | rBV2 | 27222 | 38288 | 1.47% | 0.161% |
| 23 | 12.457 | 1759 | 1763 | 1767 | rBV | 485685 | 411092 | 15.82% | 1.725% |
| 24 | 12.557 | 1777 | 1780 | 1786 | rBV2 | 29456 | 43497 | 1.67% | 0.182% |
| 25 | 12.686 | 1796 | 1802 | 1808 | rVB | 338442 | 357550 | 13.76% | 1.500% |
| 26 | 12.827 | 1819 | 1826 | 1829 | rBV | 3071752 | 2598058 | 100.00% | 10.899% |
| 27 | 12.910 | 1835 | 1840 | 1844 | rBV3 | 20423 | 31046 | 1.19% | 0.130% |
| 28 | 13.016 | 1851 | 1858 | 1861 | rBV2 | 47893 | 66712 | 2.57% | 0.280% |
| 29 | 13.080 | 1866 | 1869 | 1872 | rVB | 40605 | 33552 | 1.29% | 0.141% |
| 30 | 13.116 | 1872 | 1875 | 1878 | rBV2 | 26818 | 32357 | 1.25% | 0.136% |
| 31 | 13.727 | 1975 | 1979 | 1988 | rVB4 | 108289 | 173202 | 6.67% | 0.727% |
| 32 | 13.880 | 1997 | 2005 | 2008 | rBV | 1062838 | 1112848 | 42.83% | 4.669% |
| 33 | 13.904 | 2008 | 2009 | 2018 | rVB | 116791 | 119383 | 4.60% | 0.501% |
| 34 | 14.045 | 2030 | 2033 | 2038 | rBV5 | 35282 | 41065 | 1.58% | 0.172% |

LSC Area Percent Report

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Sample : L1718-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_F
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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-BF022020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 14.345 | 2082 | 2084 | 2090 | rBV3 | 40823 | 49372 | 1.90% | 0.207% |
| 36 | 14.645 | 2132 | 2135 | 2137 | rVB2 | 46239 | 41403 | 1.59% | 0.174% |
| 37 | 14.710 | 2143 | 2146 | 2151 | rVB | 74974 | 85053 | 3.27% | 0.357% |
| 38 | 14.898 | 2175 | 2178 | 2182 | rBV | 88777 | 137531 | 5.29% | 0.577% |
| 39 | 14.957 | 2185 | 2188 | 2193 | rVB2 | 64048 | 82129 | 3.16% | 0.345% |
| 40 | 15.186 | 2224 | 2227 | 2232 | rVB | 56218 | 65454 | 2.52% | 0.275% |
| 41 | 15.245 | 2234 | 2237 | 2242 | rVV | 63841 | 69315 | 2.67% | 0.291% |
| 42 | 15.304 | 2242 | 2247 | 2259 | rVB | 782142 | 1015070 | 39.07% | 4.258% |
| 43 | 15.721 | 2314 | 2318 | 2323 | rBV2 | 38835 | 53800 | 2.07% | 0.226% |

Sum of corrected areas: 23836849

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022820\
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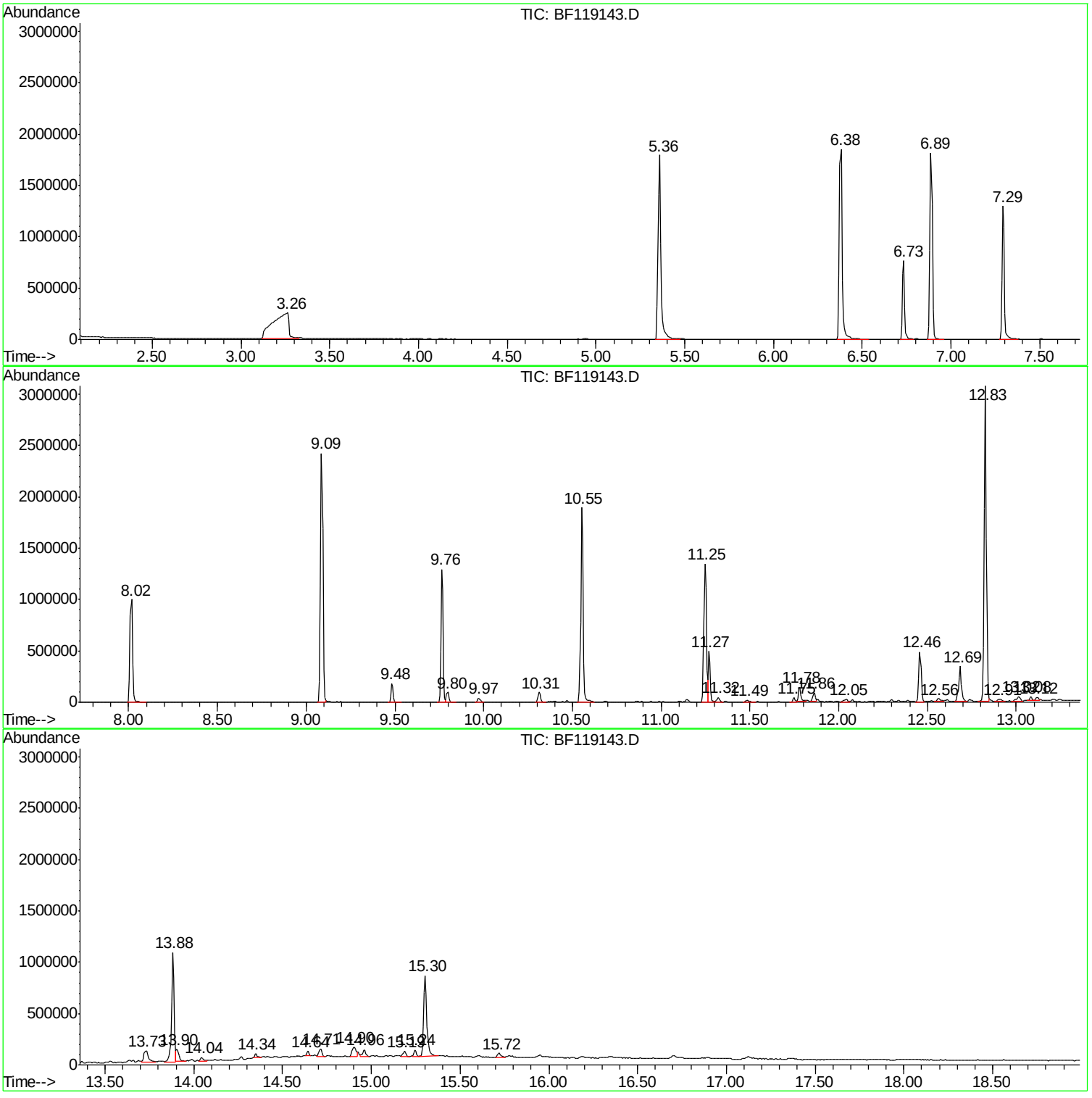
Acq On : 28 Feb 2020 21:22
Operator : CG/JU
Sample : L1718-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 72-11976

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.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\BF022820\
Data File : BF119143.D
Acq On : 28 Feb 2020 21:22
Operator : CG/JU
Sample : L1718-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 72-11976

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

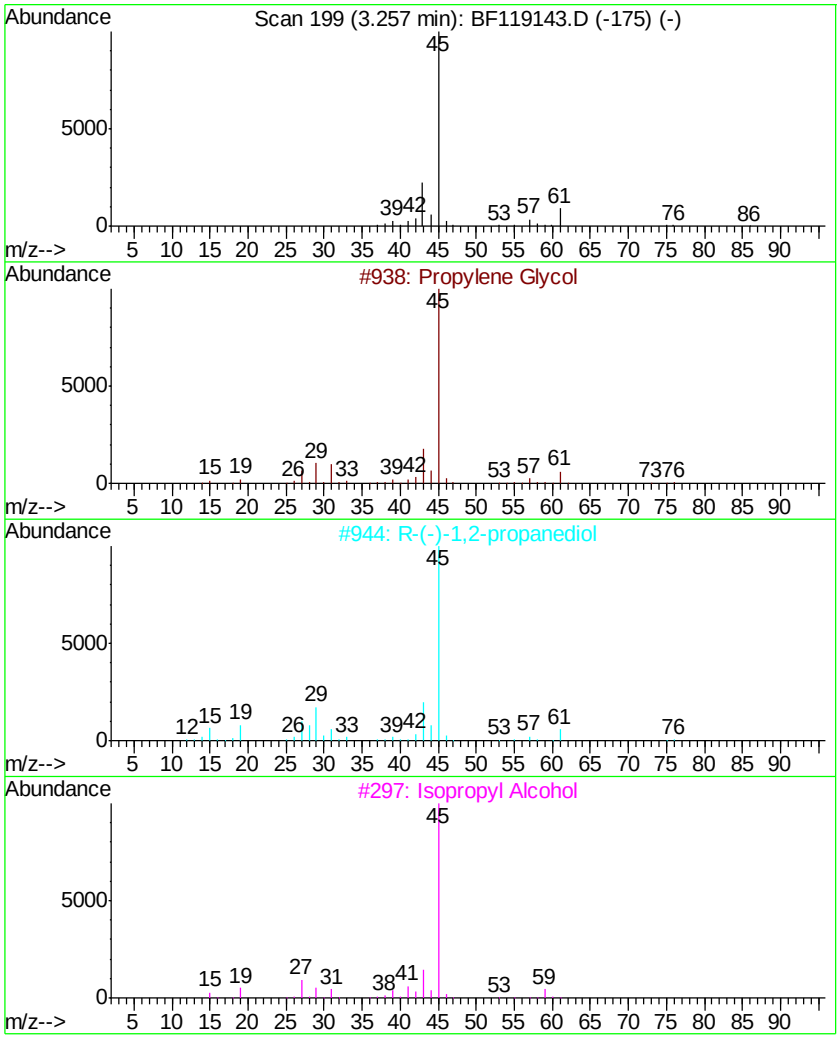
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

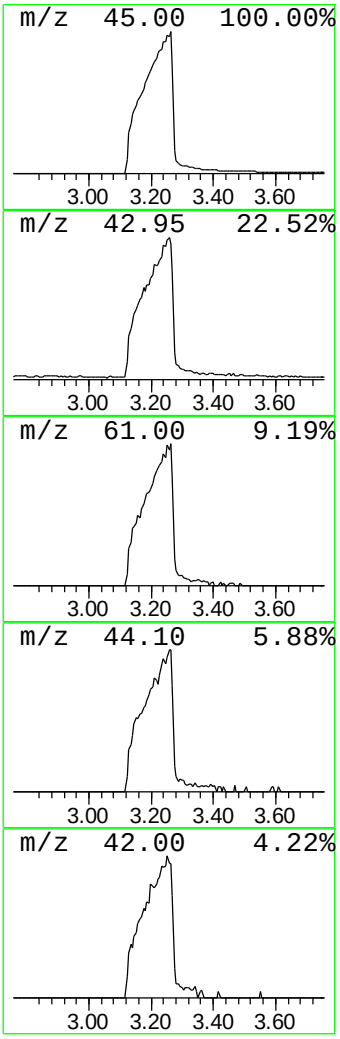
**********

Peak Number 1 Propylene Glycol Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.26 | 47.05 ng | 1635940 | 1,4-Dichlorobenzene-d4 | 6.73 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propylene Glycol | 76 | C3H8O2 | 000057-55-6 | 90 |
| 2 | R-(-)-1,2-propanediol | 76 | C3H8O2 | 004254-14-2 | 72 |
| 3 | Isopropyl Alcohol | 60 | C3H8O | 000067-63-0 | 72 |
| 4 | (S)-(+)-1,2-Propanediol | 76 | C3H8O2 | 004254-15-3 | 16 |
| 5 | Acetic acid, cyano-, 2-methoxyet... | 143 | C6H9NO3 | 010258-54-5 | 9 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022820\
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Acq On : 28 Feb 2020 21:22
Operator : CG/JU
Sample : L1718-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 72-11976

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

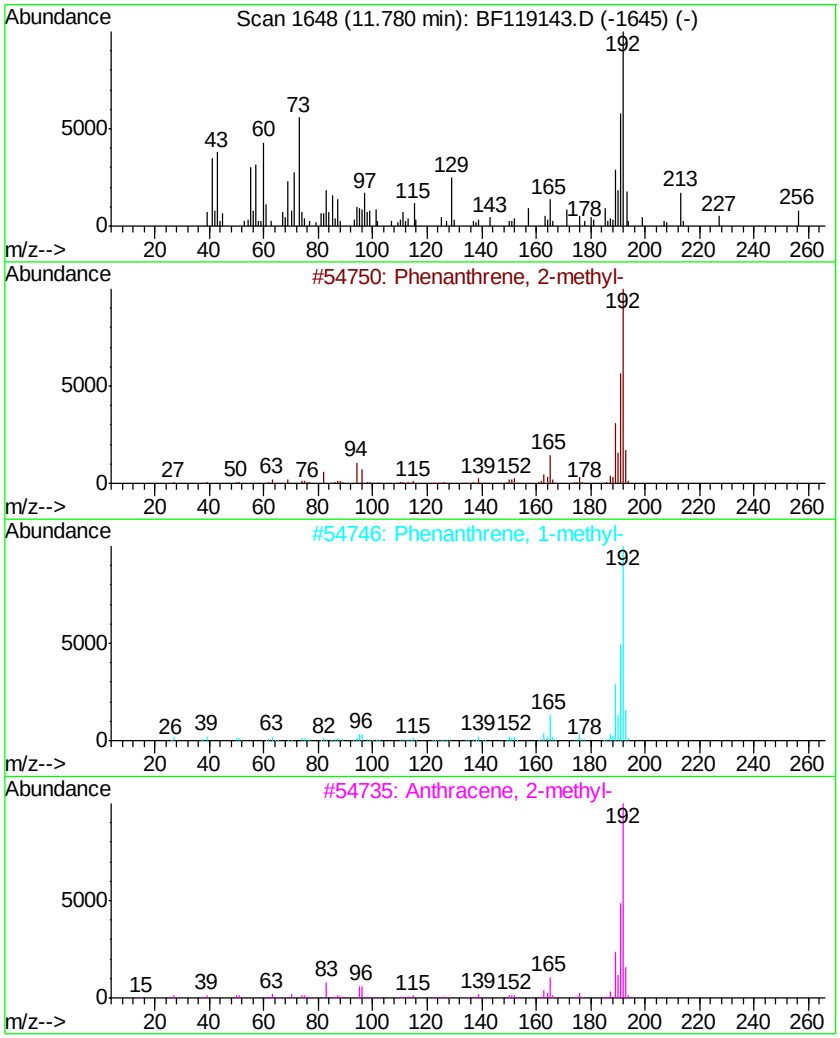
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

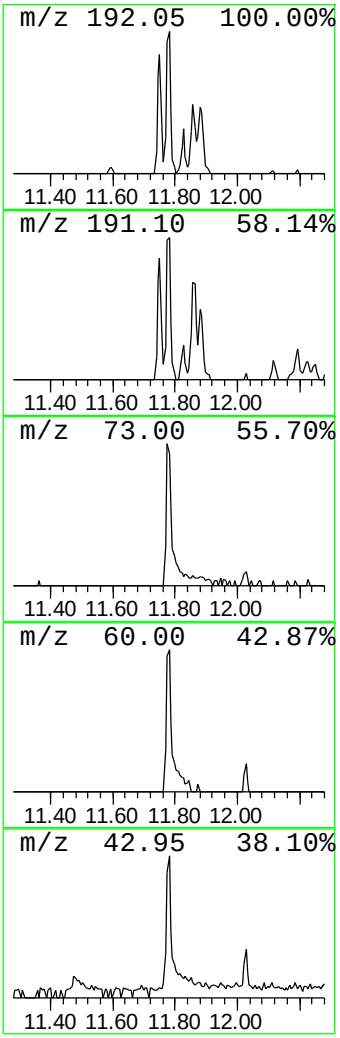
**********

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.78 | 2.30 ng | 146630 | Phenanthrene-d10 | 11.25 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 95 |
| 2 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 95 |
| 3 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 95 |
| 4 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 90 |
| 5 | 1H-Indene, 2-phenyl- | 192 | C15H12 | 004505-48-0 | 90 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022820\
Data File : BF119143.D
Acq On : 28 Feb 2020 21:22
Operator : CG/JU
Sample : L1718-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 72-11976

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

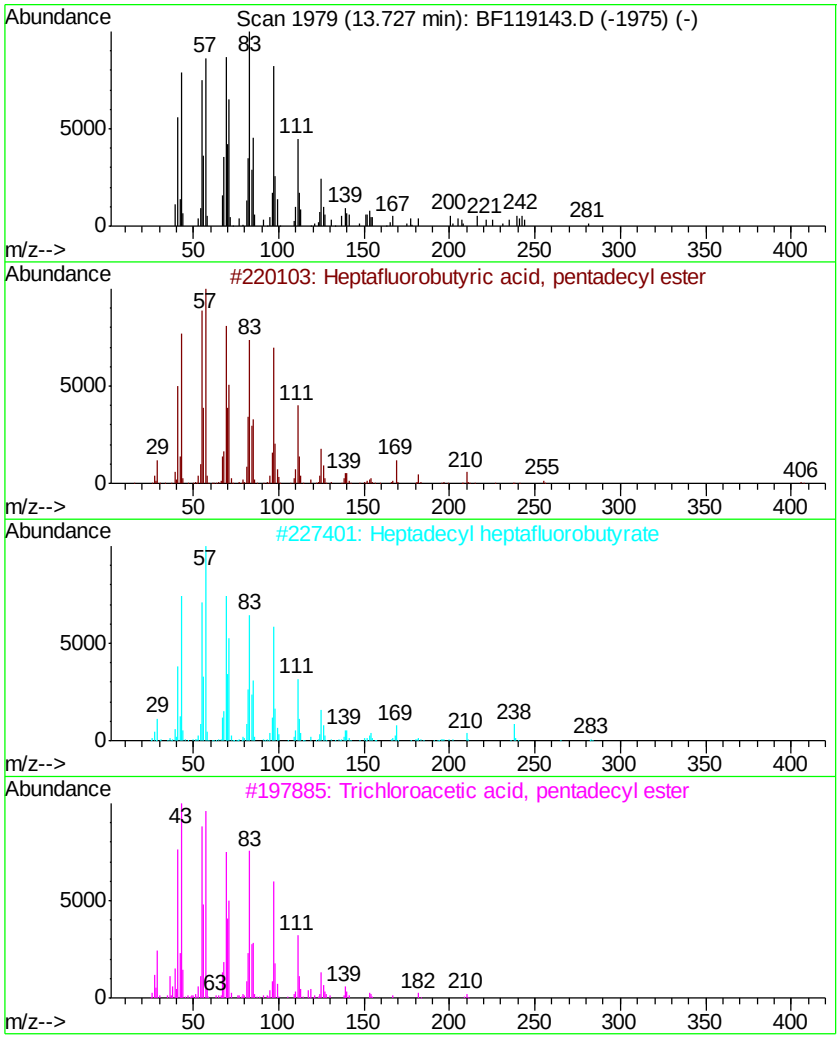
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

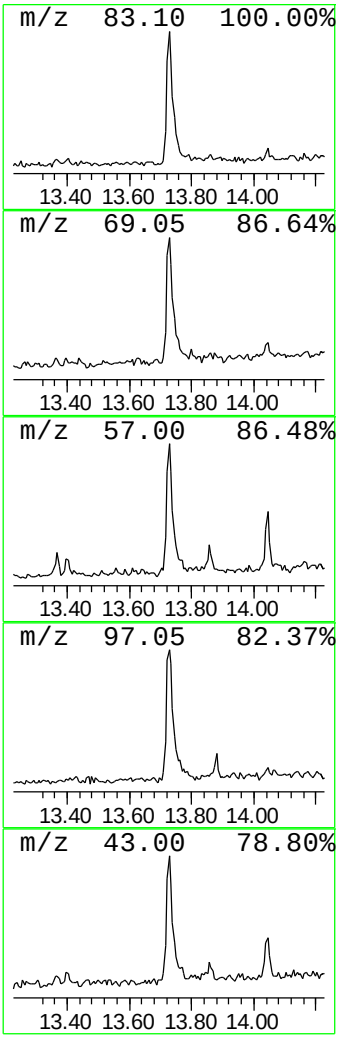
**********

Peak Number 4 Heptafluorobutyric acid, pe... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.73 | 3.11 ng | 173202 | Chrysene-d12 | 13.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptafluorobutyric acid, pentade... | 424 | C19H31F7O2 | 959261-23-5 | 94 |
| 2 | Heptadecyl heptafluorobutyrate | 452 | C21H35F7O2 | 959085-66-6 | 94 |
| 3 | Trichloroacetic acid, pentadecyl... | 372 | C17H31Cl3O2 | 074339-53-0 | 91 |
| 4 | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1 | 91 |
| 5 | n-Nonadecanol-1 | 284 | C19H40O | 001454-84-8 | 90 |



# Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF022820\
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Sample : L1718-01
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**Instrument :** BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.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 |
| Propylene Glycol | 3.26 | 47.0 | ng | 1635940 | 1 | 6.73 | 695370 | 20.0 |
| Phenanthrene, 2-m... | 11.78 | 2.3 | ng | 146630 | 4 | 11.25 | 1273530 | 20.0 |
| Heptafluorobutyri... | 13.73 | 3.1 | ng | 173202 | 5 | 13.88 | 1112850 | 20.0 |