LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042020\
Data File : BF120079.D
Acq On : 20 Apr 2020 15:56
Operator : MA/SJ
Sample : L2314-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WB-7-2

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-BF040820.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 | 5.322 | 545 | 550 | 553 | rBV | 3656052 | 3556352 | 67.85% | 7.691% |
| 2 | 6.357 | 721 | 726 | 729 | rBV | 3353038 | 3994552 | 76.21% | 8.638% |
| 3 | 6.410 | 732 | 735 | 742 | rVB2 | 41837 | 55172 | 1.05% | 0.119% |
| 4 | 6.545 | 755 | 758 | 763 | rBV | 175691 | 155392 | 2.96% | 0.336% |
| 5 | 6.710 | 783 | 786 | 790 | rBV | 1084159 | 982409 | 18.74% | 2.124% |
| 6 | 6.834 | 804 | 807 | 809 | rBV2 | 78987 | 63378 | 1.21% | 0.137% |
| 7 | 6.869 | 809 | 813 | 817 | rVB | 3344447 | 3233971 | 61.70% | 6.993% |
| 8 | 7.281 | 875 | 883 | 886 | rBV | 2651906 | 2888802 | 55.11% | 6.247% |
| 9 | 7.998 | 1000 | 1005 | 1007 | rBV | 1589835 | 1326439 | 25.31% | 2.868% |
| 10 | 8.022 | 1007 | 1009 | 1012 | rVB | 197745 | 154834 | 2.95% | 0.335% |
| 11 | 8.710 | 1122 | 1126 | 1130 | rBV | 74981 | 64949 | 1.24% | 0.140% |
| 12 | 9.080 | 1183 | 1189 | 1192 | rBV | 5676440 | 5241409 | 100.00% | 11.334% |
| 13 | 9.151 | 1196 | 1201 | 1204 | rBV2 | 85812 | 100673 | 1.92% | 0.218% |
| 14 | 9.263 | 1216 | 1220 | 1224 | rVB3 | 61419 | 55396 | 1.06% | 0.120% |
| 15 | 9.345 | 1231 | 1234 | 1238 | rVB4 | 74563 | 86868 | 1.66% | 0.188% |
| 16 | 9.392 | 1238 | 1242 | 1244 | rBV | 691386 | 634249 | 12.10% | 1.372% |
| 17 | 9.410 | 1244 | 1245 | 1248 | rVV2 | 231700 | 158295 | 3.02% | 0.342% |
| 18 | 9.475 | 1252 | 1256 | 1259 | rVV | 1120911 | 927069 | 17.69% | 2.005% |
| 19 | 9.510 | 1259 | 1262 | 1267 | rVB2 | 151559 | 141485 | 2.70% | 0.306% |
| 20 | 9.616 | 1275 | 1280 | 1282 | rBV | 67674 | 59969 | 1.14% | 0.130% |
| 21 | 9.657 | 1282 | 1287 | 1291 | rBV3 | 76594 | 99215 | 1.89% | 0.215% |
| 22 | 9.698 | 1291 | 1294 | 1297 | rVB | 187773 | 157658 | 3.01% | 0.341% |
| 23 | 9.757 | 1297 | 1304 | 1308 | rBV | 1751612 | 1538288 | 29.35% | 3.327% |
| 24 | 9.863 | 1319 | 1322 | 1323 | rBV2 | 79188 | 71557 | 1.37% | 0.155% |
| 25 | 9.880 | 1323 | 1325 | 1330 | rVB3 | 65163 | 65431 | 1.25% | 0.141% |
| 26 | 10.004 | 1343 | 1346 | 1352 | rVB2 | 88535 | 92352 | 1.76% | 0.200% |
| 27 | 10.427 | 1411 | 1418 | 1422 | rBV2 | 375647 | 356508 | 6.80% | 0.771% |
| 28 | 10.545 | 1432 | 1438 | 1442 | rBV | 3029393 | 3080006 | 58.76% | 6.660% |
| 29 | 10.669 | 1456 | 1459 | 1463 | rBV2 | 74130 | 104682 | 2.00% | 0.226% |
| 30 | 11.239 | 1552 | 1556 | 1559 | rBV | 1595317 | 1470050 | 28.05% | 3.179% |
| 31 | 11.263 | 1559 | 1560 | 1563 | rVV | 303494 | 175910 | 3.36% | 0.380% |
| 32 | 11.316 | 1566 | 1569 | 1573 | rVB2 | 72539 | 65746 | 1.25% | 0.142% |
| 33 | 11.704 | 1631 | 1635 | 1638 | rBV4 | 39548 | 67328 | 1.28% | 0.146% |
| 34 | 11.745 | 1638 | 1642 | 1644 | rBV | 243408 | 243726 | 4.65% | 0.527% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042020\
Data File : BF120079.D
Acq On : 20 Apr 2020 15:56
Operator : MA/SJ
Sample : L2314-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WB-7-2

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-BF040820.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 11.780 | 1644 | 1648 | 1653 | rVV2 | 1049552 | 1004223 | 19.16% | 2.172% |
| 36 | 12.039 | 1688 | 1692 | 1694 | rBV2 | 48441 | 54120 | 1.03% | 0.117% |
| 37 | 12.292 | 1732 | 1735 | 1738 | rBV | 62422 | 61159 | 1.17% | 0.132% |
| 38 | 12.339 | 1738 | 1743 | 1747 | rVB3 | 57940 | 85916 | 1.64% | 0.186% |
| 39 | 12.380 | 1747 | 1750 | 1754 | rBV4 | 56610 | 65537 | 1.25% | 0.142% |
| 40 | 12.451 | 1758 | 1762 | 1766 | rBV | 314709 | 326175 | 6.22% | 0.705% |
| 41 | 12.504 | 1766 | 1771 | 1775 | rVB3 | 85585 | 140012 | 2.67% | 0.303% |
| 42 | 12.568 | 1778 | 1782 | 1789 | rVB | 459732 | 491638 | 9.38% | 1.063% |
| 43 | 12.680 | 1796 | 1801 | 1804 | rBV | 310329 | 271881 | 5.19% | 0.588% |
| 44 | 12.839 | 1822 | 1828 | 1831 | rBV | 4860796 | 4851606 | 92.56% | 10.491% |
| 45 | 13.263 | 1896 | 1900 | 1903 | rBV2 | 785391 | 692649 | 13.21% | 1.498% |
| 46 | 13.410 | 1923 | 1925 | 1927 | rBV3 | 78048 | 64455 | 1.23% | 0.139% |
| 47 | 13.504 | 1938 | 1941 | 1942 | rBV | 67164 | 58187 | 1.11% | 0.126% |
| 48 | 13.621 | 1958 | 1961 | 1966 | rBV4 | 99782 | 158174 | 3.02% | 0.342% |
| 49 | 13.680 | 1969 | 1971 | 1975 | rBV3 | 38031 | 60642 | 1.16% | 0.131% |
| 50 | 13.733 | 1977 | 1980 | 1989 | rVV2 | 428206 | 585169 | 11.16% | 1.265% |
| 51 | 13.886 | 2001 | 2006 | 2008 | rBV2 | 1150219 | 1233207 | 23.53% | 2.667% |
| 52 | 13.910 | 2008 | 2010 | 2016 | rVB | 160096 | 154889 | 2.96% | 0.335% |
| 53 | 14.051 | 2031 | 2034 | 2038 | rBV2 | 109618 | 126662 | 2.42% | 0.274% |
| 54 | 14.198 | 2057 | 2059 | 2063 | rBV | 88762 | 88148 | 1.68% | 0.191% |
| 55 | 14.274 | 2068 | 2072 | 2075 | rBV | 300676 | 450053 | 8.59% | 0.973% |
| 56 | 14.333 | 2080 | 2082 | 2085 | rVB | 155693 | 136034 | 2.60% | 0.294% |
| 57 | 14.362 | 2085 | 2087 | 2091 | rBV3 | 101014 | 121746 | 2.32% | 0.263% |
| 58 | 14.404 | 2092 | 2094 | 2096 | rBV | 137459 | 142774 | 2.72% | 0.309% |
| 59 | 14.521 | 2111 | 2114 | 2117 | rVB | 216599 | 193041 | 3.68% | 0.417% |
| 60 | 14.645 | 2132 | 2135 | 2140 | rBV2 | 297628 | 362387 | 6.91% | 0.784% |
| 61 | 14.710 | 2143 | 2146 | 2156 | rVB | 356168 | 460077 | 8.78% | 0.995% |
| 62 | 14.898 | 2175 | 2178 | 2188 | rVB | 227479 | 422258 | 8.06% | 0.913% |
| 63 | 14.980 | 2189 | 2192 | 2195 | rBV | 137007 | 141003 | 2.69% | 0.305% |
| 64 | 15.186 | 2224 | 2227 | 2233 | rVB | 151605 | 206746 | 3.94% | 0.447% |
| 65 | 15.245 | 2233 | 2237 | 2242 | rBV | 174448 | 216040 | 4.12% | 0.467% |
| 66 | 15.309 | 2243 | 2248 | 2251 | rBV | 788267 | 1048357 | 20.00% | 2.267% |
| 67 | 15.751 | 2320 | 2323 | 2328 | rVB | 106884 | 137931 | 2.63% | 0.298% |
| 68 | 16.686 | 2478 | 2482 | 2489 | rVB2 | 86283 | 160275 | 3.06% | 0.347% |

Sum of corrected areas: 46243291

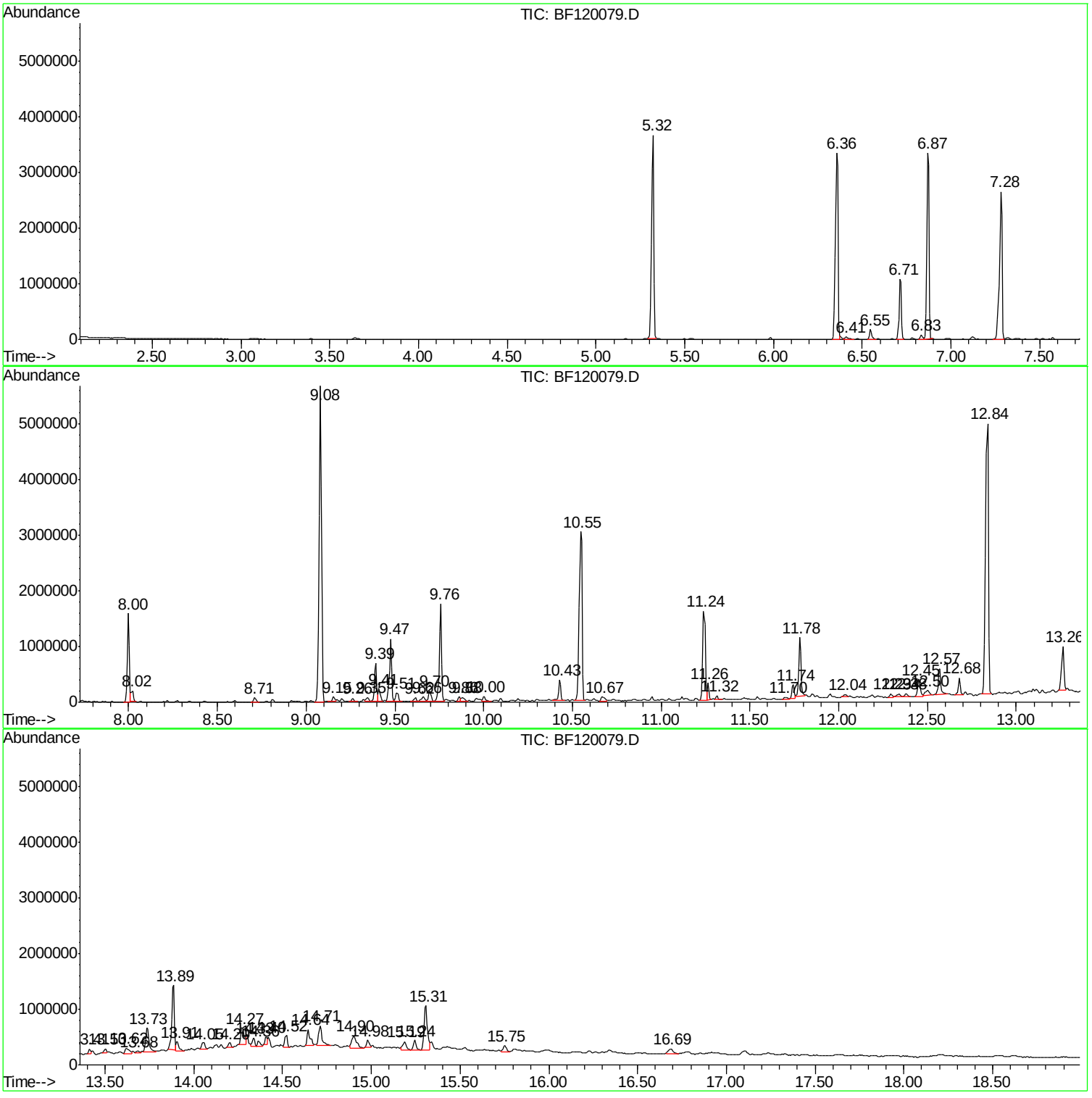
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042020\
Data File : BF120079.D
Acq On : 20 Apr 2020 15:56
Operator : MA/SJ
Sample : L2314-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WB-7-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042020\
Data File : BF120079.D
Acq On : 20 Apr 2020 15:56
Operator : MA/SJ
Sample : L2314-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WB-7-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

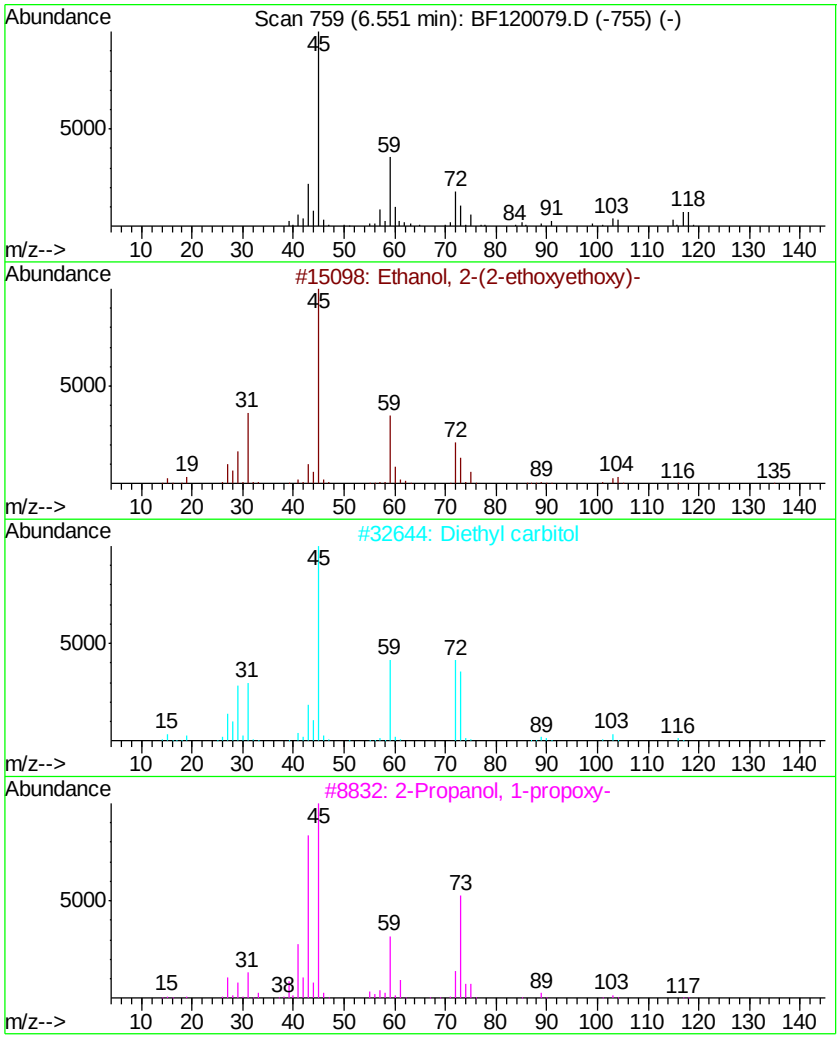
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

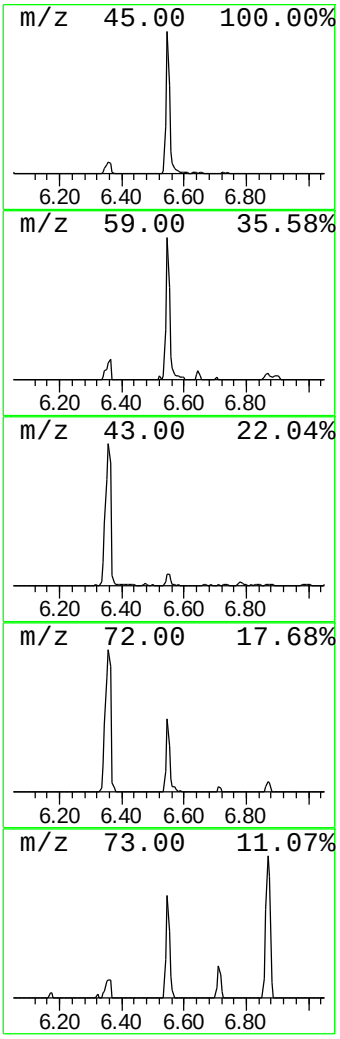
**********

Peak Number 1 Ethanol, 2-(2-ethoxyethoxy)- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.55 | 3.16 ng | 155392 | 1,4-Dichlorobenzene-d4 | 6.72 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethanol, 2-(2-ethoxyethoxy)- | 134 | C6H14O3 | 000111-90-0 | 78 |
| 2 | Diethyl carbitol | 162 | C8H18O3 | 000112-36-7 | 72 |
| 3 | 2-Propanol, 1-propoxy- | 118 | C6H14O2 | 001569-01-3 | 38 |
| 4 | (S)-(+)-1,2-Propanediol | 76 | C3H8O2 | 004254-15-3 | 37 |
| 5 | 2-Propanol, 1-(1-methylethoxy)- | 118 | C6H14O2 | 003944-36-3 | 36 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042020\
Data File : BF120079.D
Acq On : 20 Apr 2020 15:56
Operator : MA/SJ
Sample : L2314-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WB-7-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

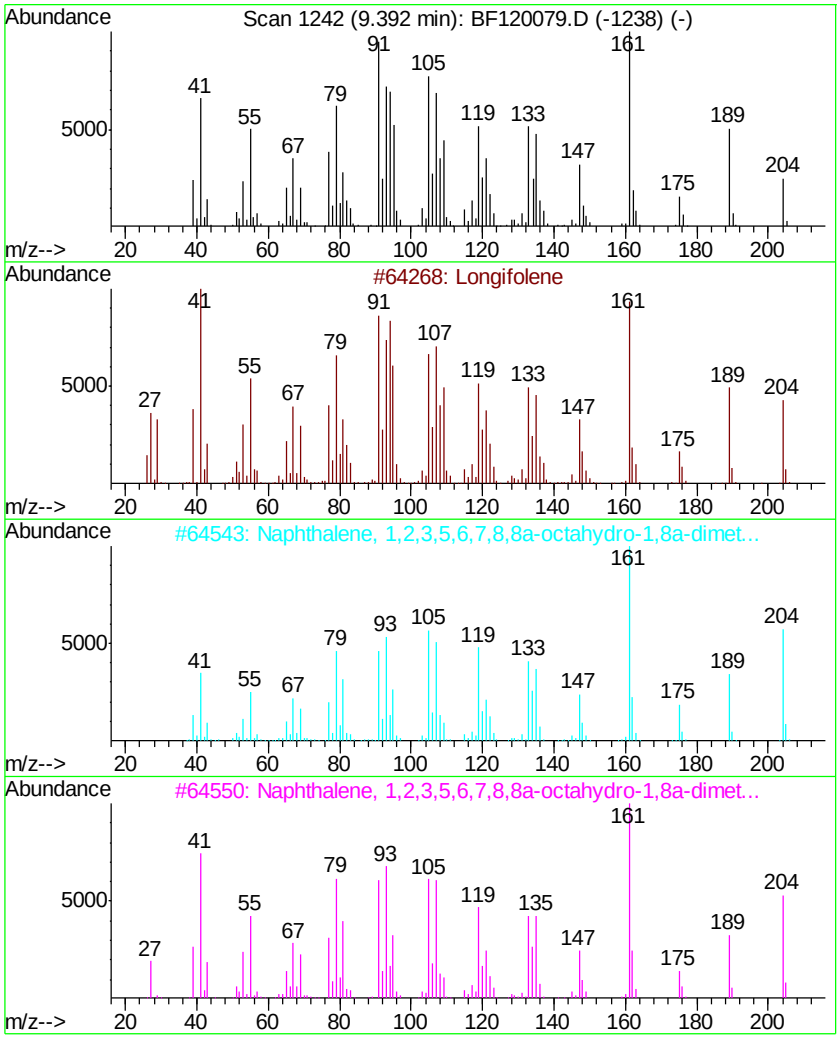
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

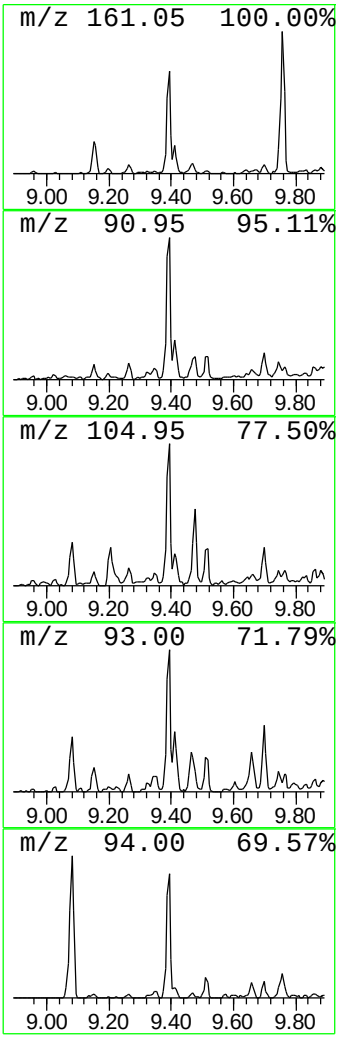
**********

Peak Number 3 Longifolene Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.39 | 8.25 ng | 634249 | Acenaphthene-d10 | 9.76 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Longifolene | 204 | C15H24 | 000475-20-7 | 99 |
| 2 | Naphthalene, 1,2,3,5,6,7,8,8a-oc... | 204 | C15H24 | 004630-07-3 | 97 |
| 3 | Naphthalene, 1,2,3,5,6,7,8,8a-oc... | 204 | C15H24 | 010219-75-7 | 93 |
| 4 | .beta.-Neoclovene | 204 | C15H24 | 056684-96-9 | 91 |
| 5 | Aromandendrene | 204 | C15H24 | 000489-39-4 | 89 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042020\
Data File : BF120079.D
Acq On : 20 Apr 2020 15:56
Operator : MA/SJ
Sample : L2314-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WB-7-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

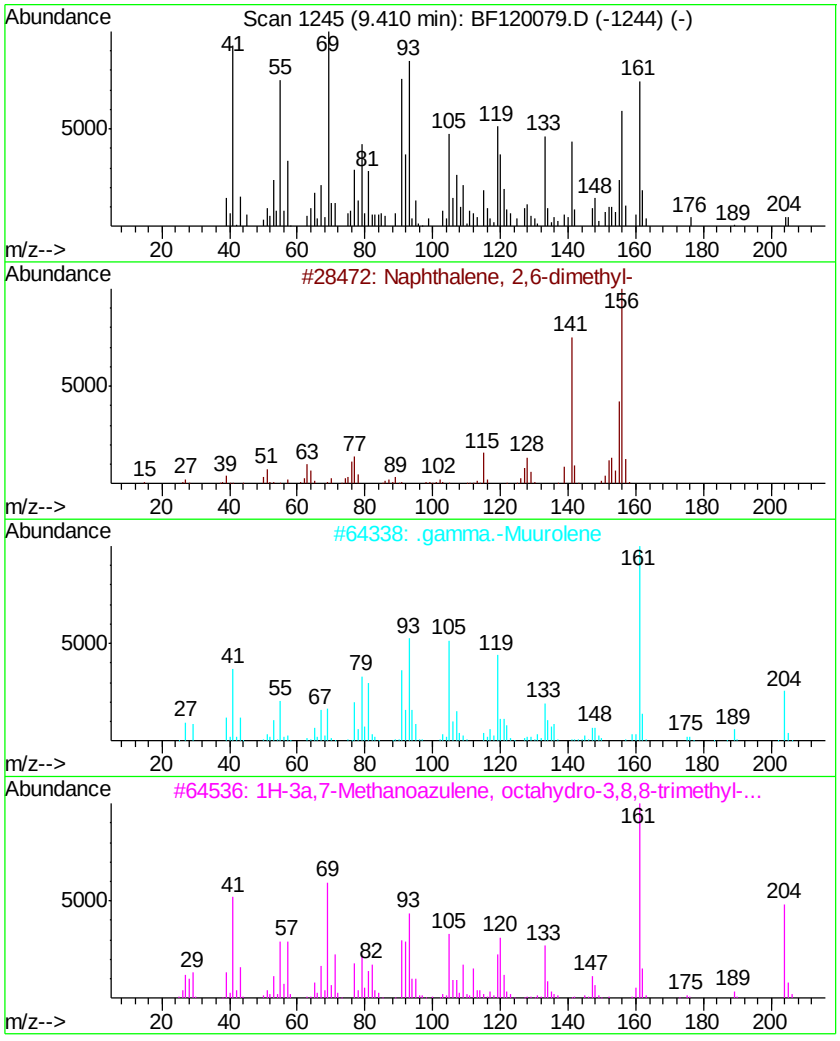
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

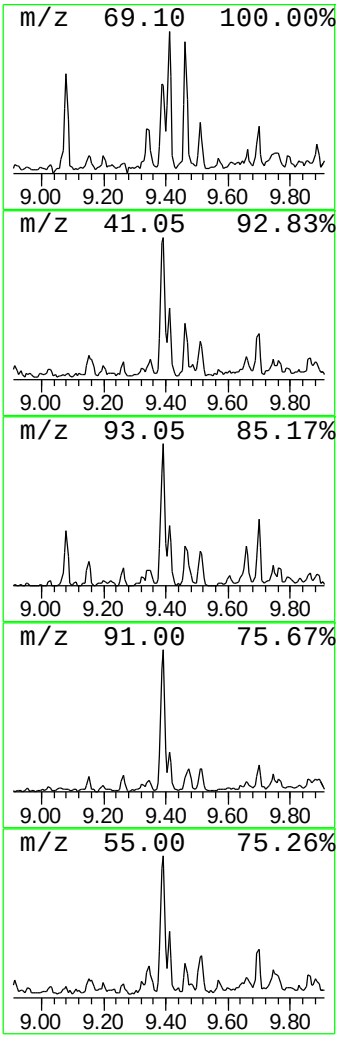
**********

Peak Number 4 Naphthalene, 2,6-dimethyl- Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.41 | 2.06 ng | 158295 | Acenaphthene-d10 | 9.76 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2,6-dimethyl- | 156 | C12H12 | 000581-42-0 | 90 |
| 2 | .gamma.-Muurolene | 204 | C15H24 | 030021-74-0 | 46 |
| 3 | 1H-3a,7-Methanoazulene, octahydr... | 204 | C15H24 | 000546-28-1 | 38 |
| 4 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 35 |
| 5 | Bicyclo[7.2.0]undec-4-ene, 4,11,... | 204 | C15H24 | 000118-65-0 | 30 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042020\
Data File : BF120079.D
Acq On : 20 Apr 2020 15:56
Operator : MA/SJ
Sample : L2314-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WB-7-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

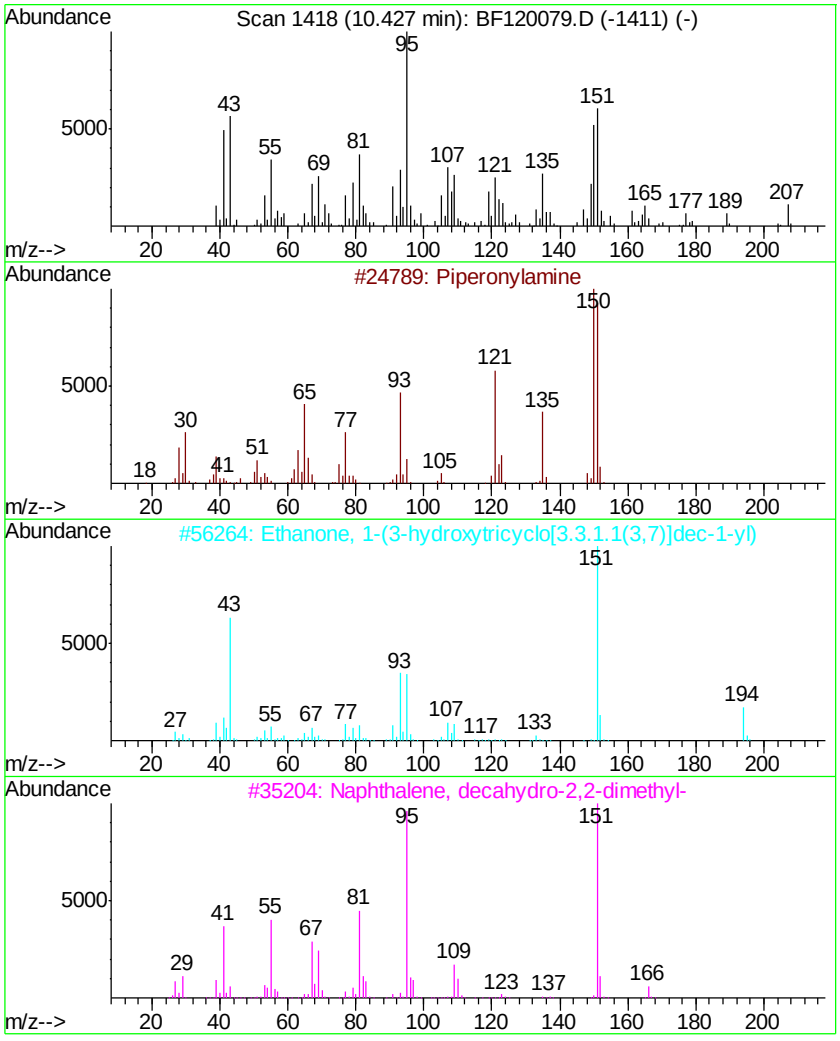
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

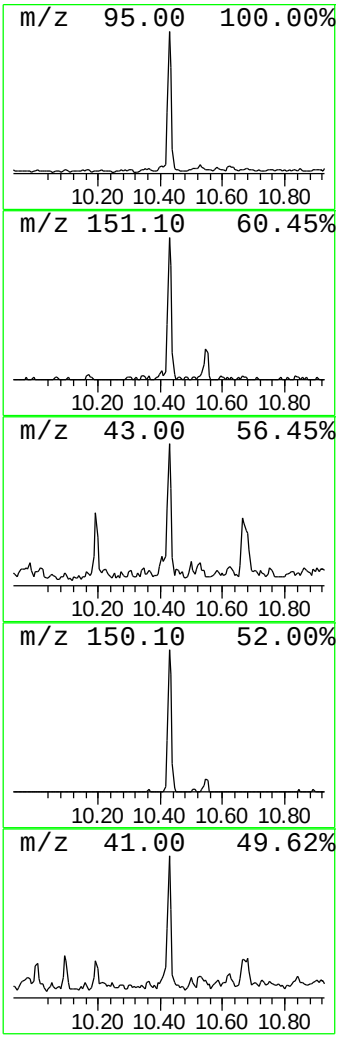
**********

Peak Number 5 unknown10.43 Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.43 | 4.64 ng | 356508 | Acenaphthene-d10 | 9.76 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Piperonylamine | 151 | C8H9NO2 | 002620-50-0 | 42 |
| 2 | Ethanone, 1-(3-hydroxytricyclo[3... | 194 | C12H18O2 | 039917-38-9 | 35 |
| 3 | Naphthalene, decahydro-2,2-dimet... | 166 | C12H22 | 031124-85-3 | 25 |
| 4 | 2-Butanone, 4-(5-methyl-2-furanyl)- | 152 | C9H12O2 | 013679-56-6 | 25 |
| 5 | 3-Formyl-1-isopropyl-2(1H)-pyridone | 165 | C9H11NO2 | 1000306-46-8 | 22 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042020\
Data File : BF120079.D
Acq On : 20 Apr 2020 15:56
Operator : MA/SJ
Sample : L2314-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WB-7-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

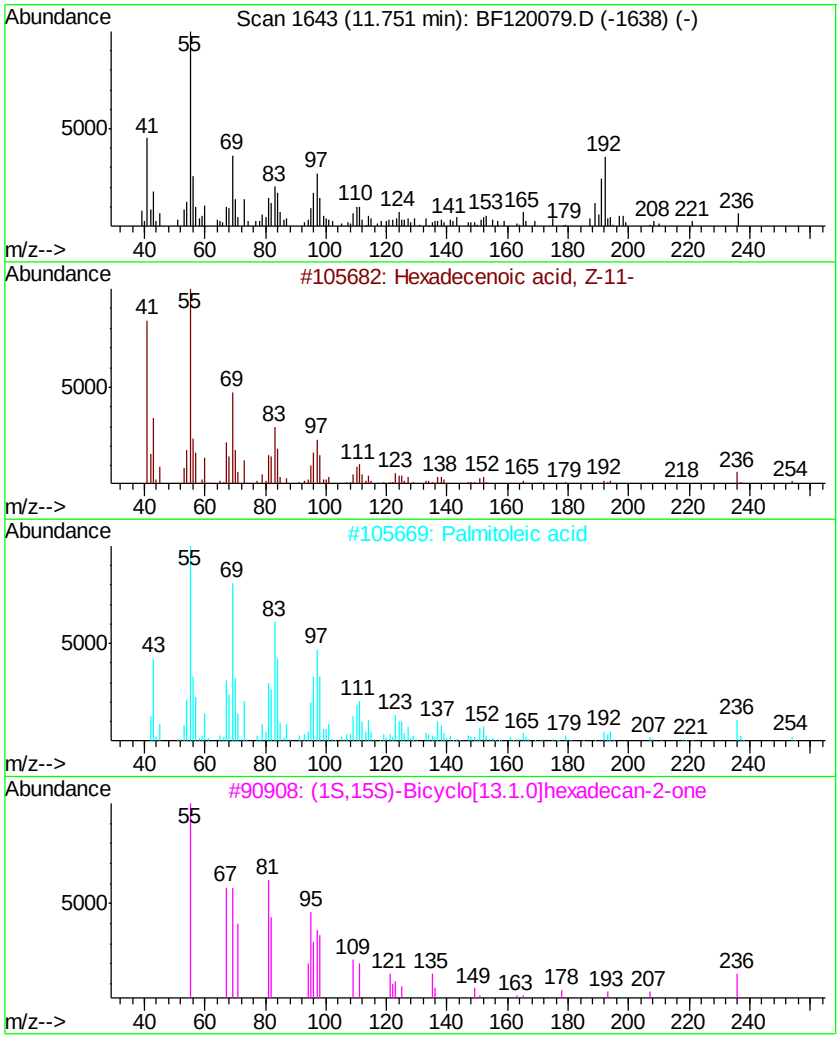
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

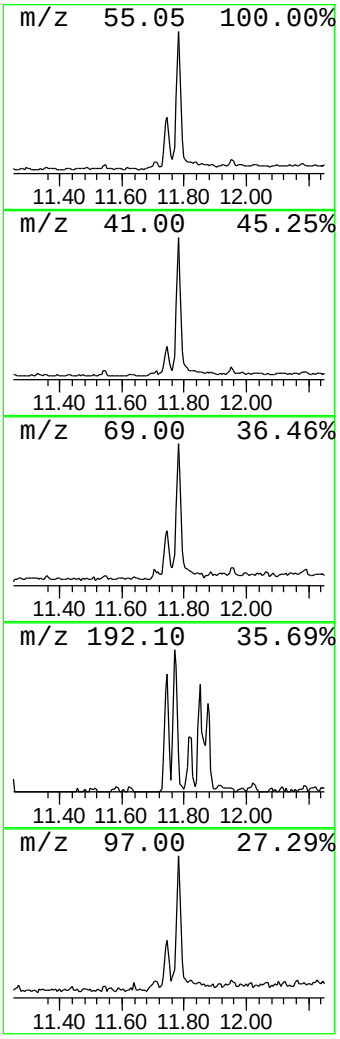
**********

Peak Number 6 unknown11.75 Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.75 | 3.32 ng | 243726 | Phenanthrene-d10 | 11.24 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecenoic acid, Z-11- | 254 | C16H30O2 | 002416-20-8 | 38 |
| 2 | Palmitoleic acid | 254 | C16H30O2 | 000373-49-9 | 38 |
| 3 | (1S,15S)-Bicyclo[13.1.0]hexadeca... | 236 | C16H28O | 102572-89-4 | 25 |
| 4 | Z-7-Tetradecenoic acid | 226 | C14H26O2 | 1000130-98-4 | 25 |
| 5 | 3,11-Tetradecadien-1-ol | 210 | C14H26O | 1000131-36-2 | 22 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042020\
Data File : BF120079.D
Acq On : 20 Apr 2020 15:56
Operator : MA/SJ
Sample : L2314-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WB-7-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

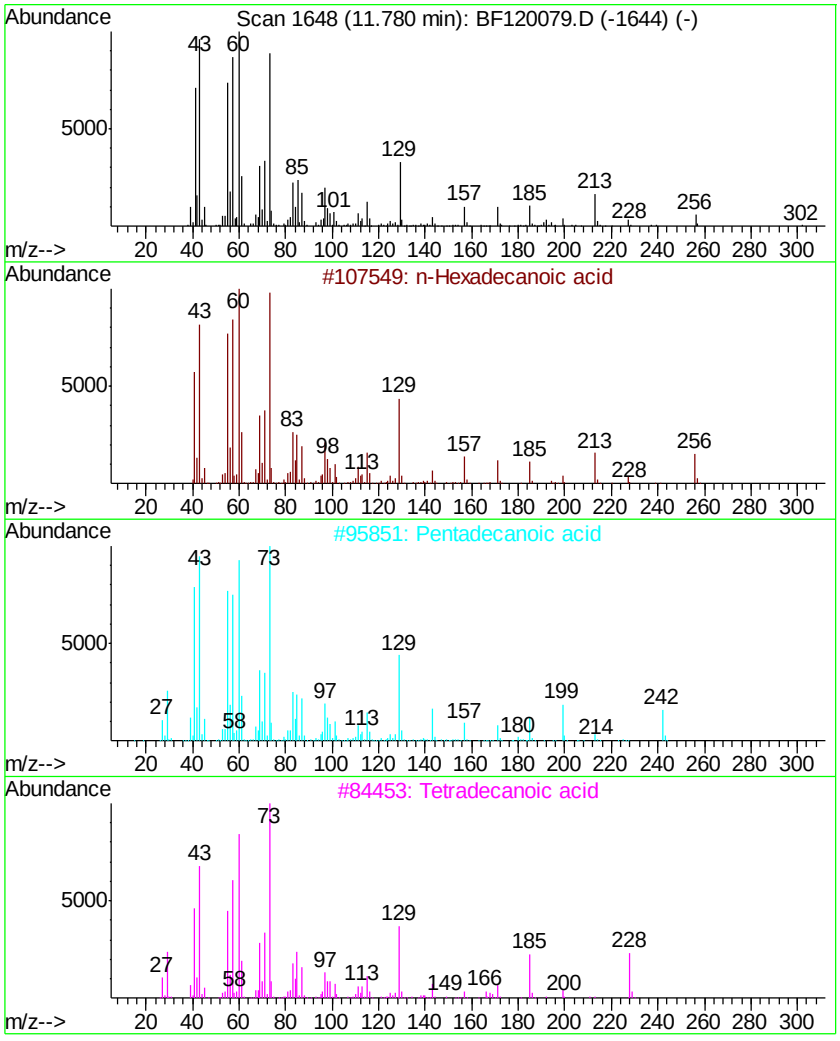
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

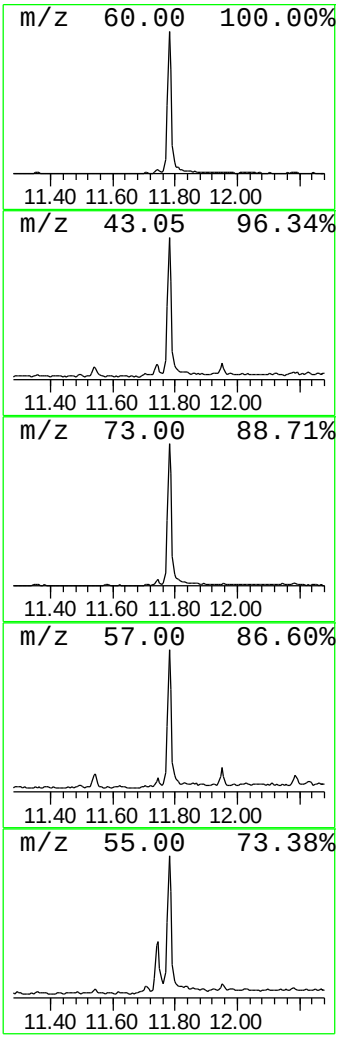
**********

Peak Number 7 n-Hexadecanoic acid Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.78 | 13.66 ng | 1004220 | Phenanthrene-d10 | 11.24 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 94 |
| 2 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 87 |
| 3 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 72 |
| 4 | Dodecanoic acid | 200 | C12H24O2 | 000143-07-7 | 64 |
| 5 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 64 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042020\
Data File : BF120079.D
Acq On : 20 Apr 2020 15:56
Operator : MA/SJ
Sample : L2314-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WB-7-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

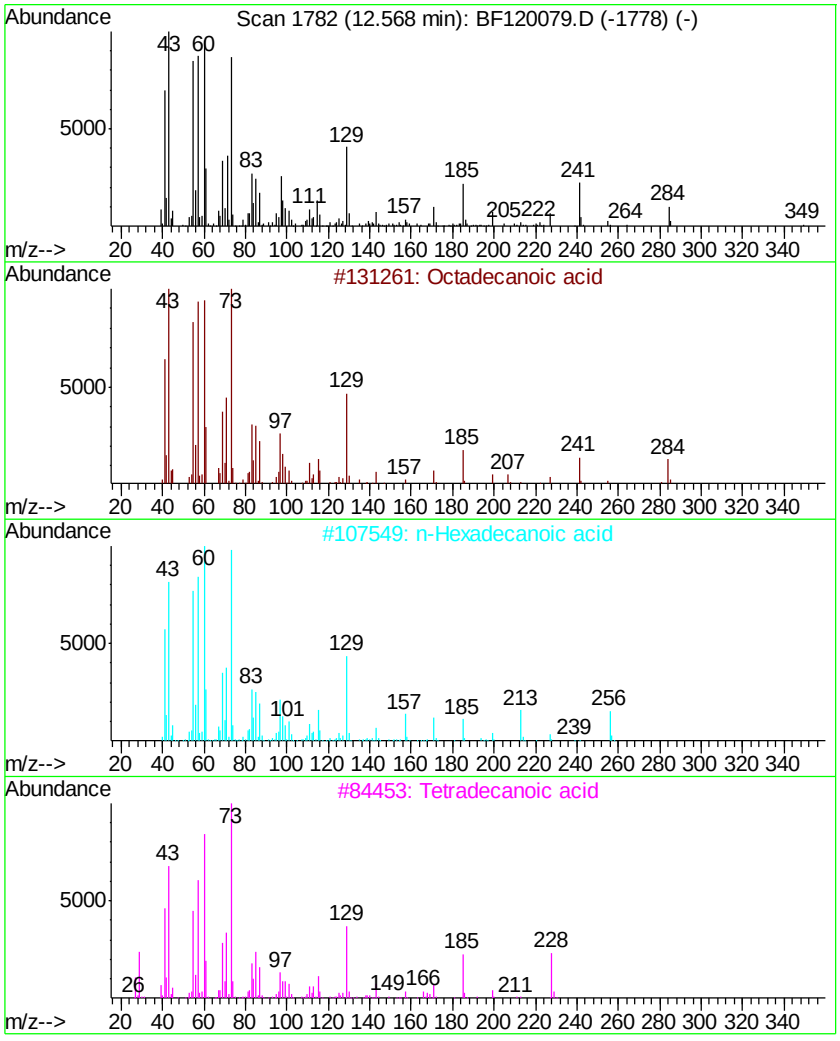
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

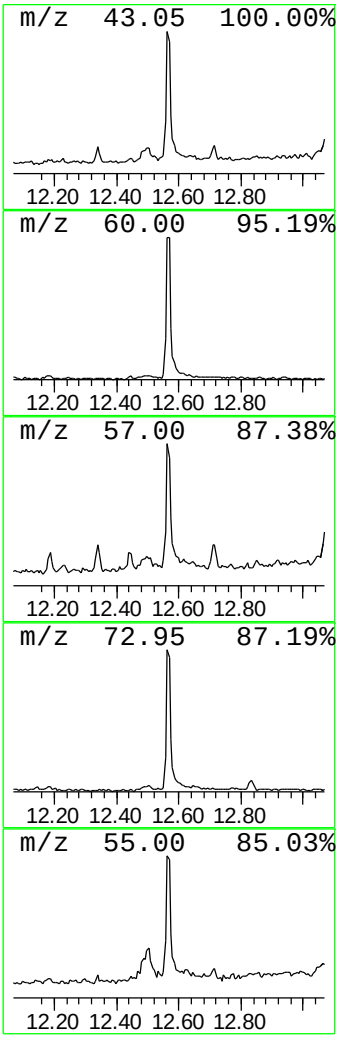
**********

Peak Number 8 Octadecanoic acid Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.57 | 7.97 ng | 491638 | Chrysene-d12 | 13.89 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 99 |
| 2 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 76 |
| 3 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 74 |
| 4 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 59 |
| 5 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 53 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042020\
Data File : BF120079.D
Acq On : 20 Apr 2020 15:56
Operator : MA/SJ
Sample : L2314-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WB-7-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

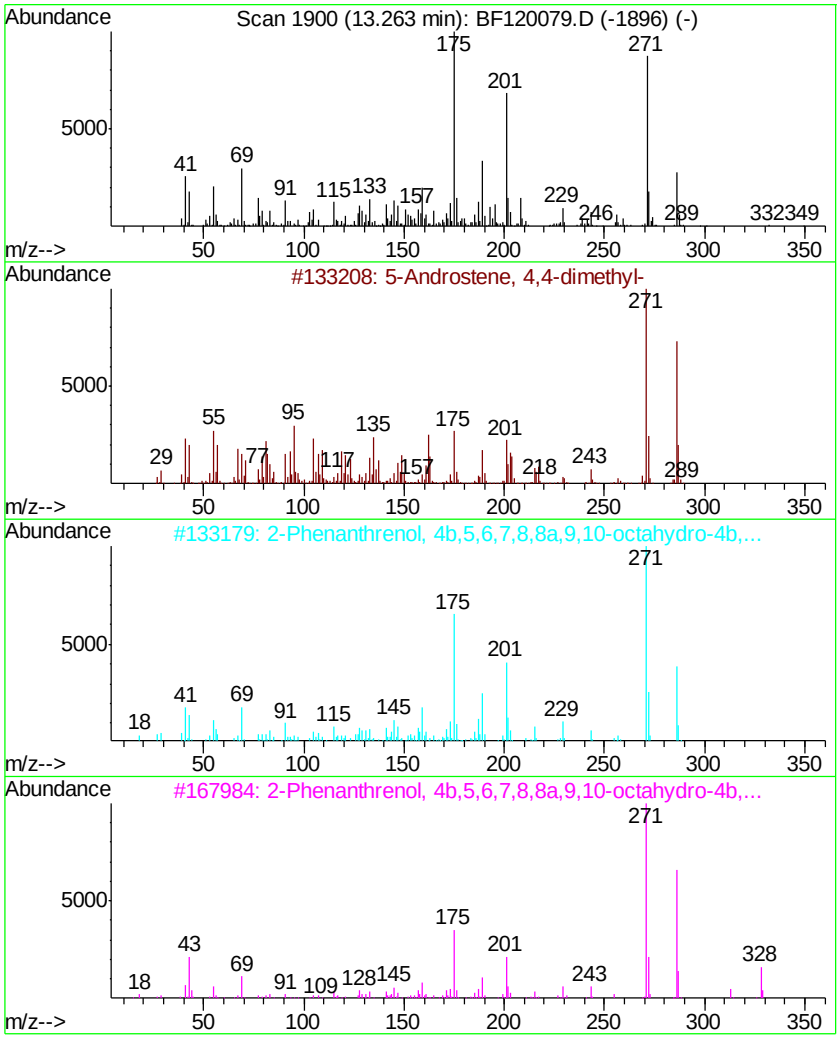
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

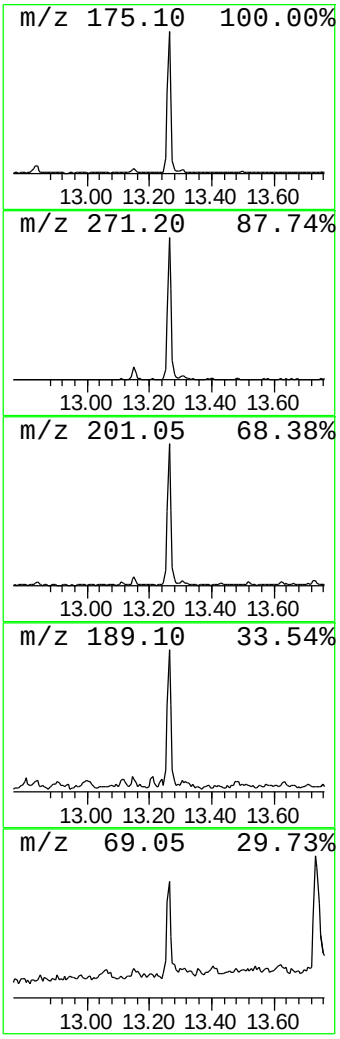
**********

Peak Number 9 unknown13.26 Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.26 | 11.23 ng | 692649 | Chrysene-d12 | 13.89 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 5-Androstene, 4,4-dimethyl- | 286 | C21H34 | 1000194-15-4 | 47 |
| 2 | 2-Phenanthrenol, 4b,5,6,7,8,8a,9... | 286 | C20H30O | 000511-15-9 | 46 |
| 3 | 2-Phenanthrenol, 4b,5,6,7,8,8a,9... | 328 | C22H32O2 | 015340-82-6 | 46 |
| 4 | Pyrrolidine, 1-[5-(1,3-benzodiox... | 271 | C16H17NO3 | 025924-78-1 | 38 |
| 5 | 13-Isopropylpodocarpen-12-ol-20-al | 300 | C20H28O2 | 024035-37-8 | 27 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042020\
Data File : BF120079.D
Acq On : 20 Apr 2020 15:56
Operator : MA/SJ
Sample : L2314-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WB-7-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

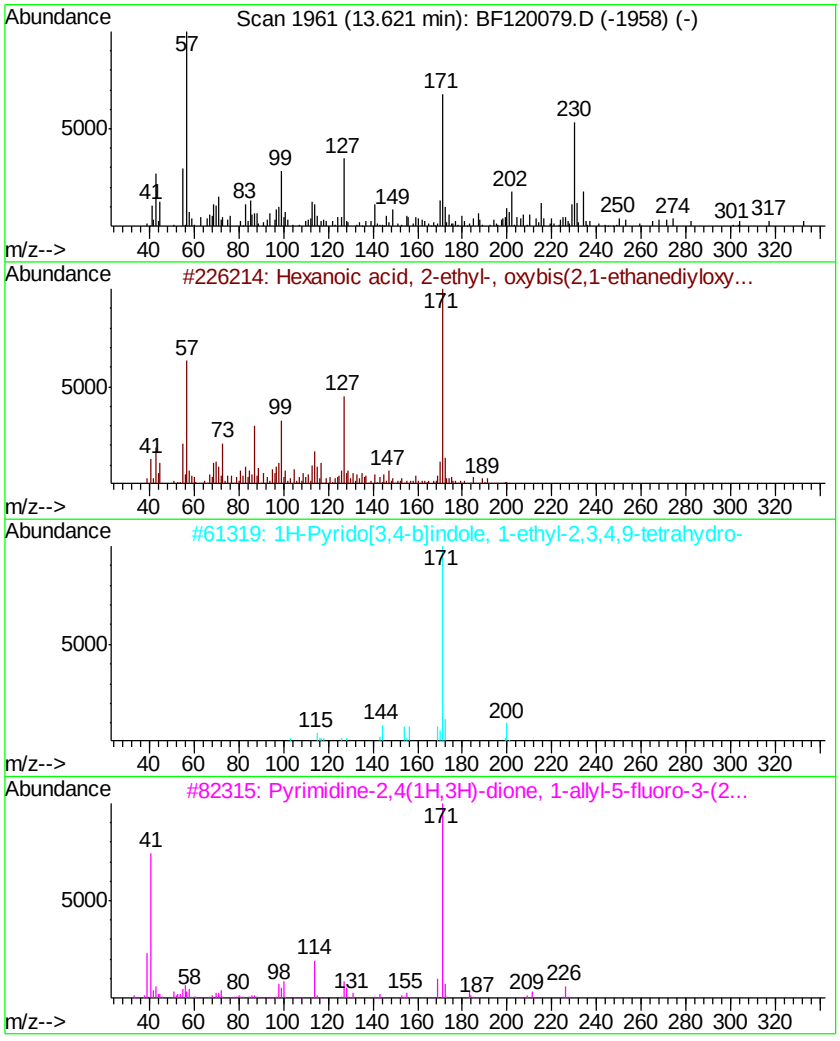
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

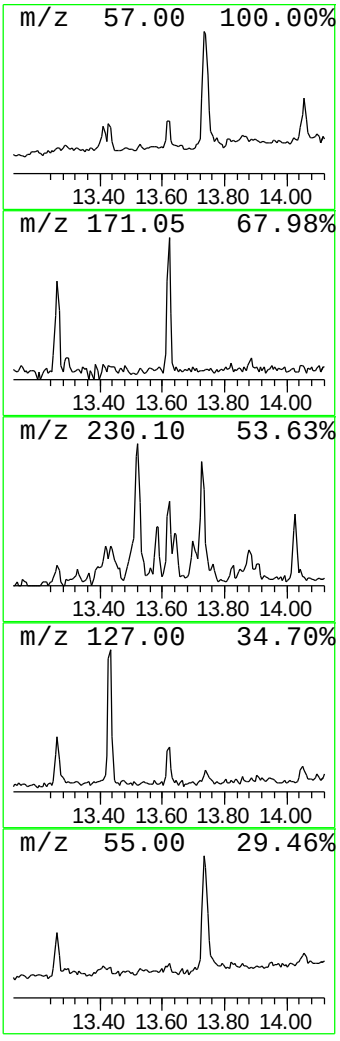
**********

Peak Number 10 Hexanoic acid, 2-ethyl-, ox... Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.62 | 2.57 ng | 158174 | Chrysene-d12 | 13.89 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexanoic acid, 2-ethyl-, oxybis(... | 446 | C24H46O7 | 018268-70-7 | 52 |
| 2 | 1H-Pyrido[3,4-b]indole, 1-ethyl-... | 200 | C13H16N2 | 006678-86-0 | 25 |
| 3 | Pyrimidine-2,4(1H,3H)-dione, 1-a... | 226 | C11H15FN2O2 | 312533-68-9 | 25 |
| 4 | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 25 |
| 5 | Benzeneethanamine, 2-fluoro-.bet... | 201 | C9H12FNO3 | 099387-71-0 | 25 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042020\
Data File : BF120079.D
Acq On : 20 Apr 2020 15:56
Operator : MA/SJ
Sample : L2314-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WB-7-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

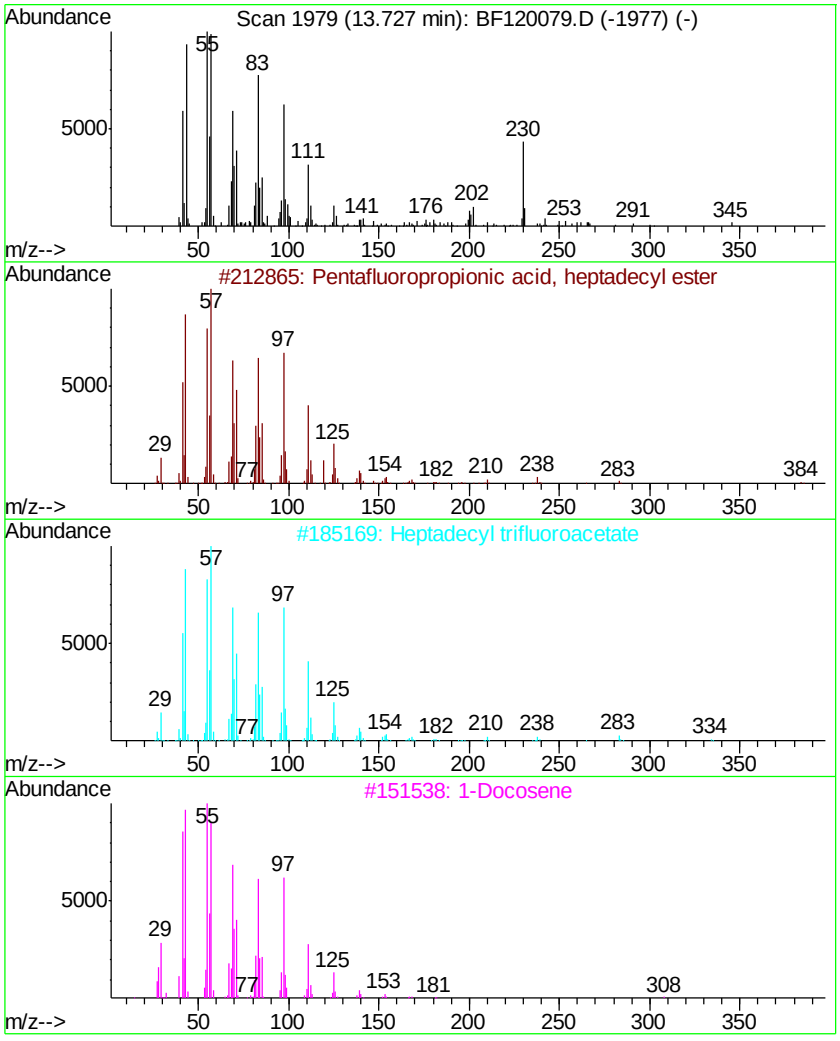
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

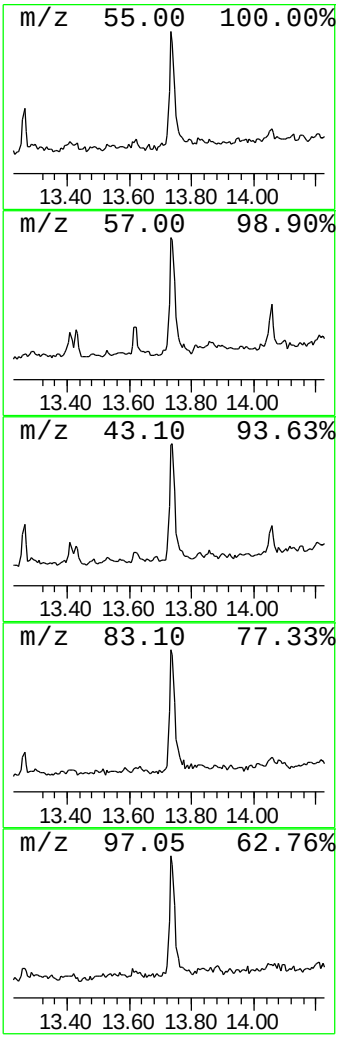
**********

Peak Number 11 Pentafluoropropionic acid, ... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.73 | 9.49 ng | 585169 | Chrysene-d12 | 13.89 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentafluoropropionic acid, hepta... | 402 | C20H35F5O2 | 959218-78-1 | 94 |
| 2 | Heptadecyl trifluoroacetate | 352 | C19H35F3O2 | 1000351-87-0 | 94 |
| 3 | 1-Docosene | 308 | C22H44 | 001599-67-3 | 94 |
| 4 | 1-Heneicosyl formate | 340 | C22H44O2 | 077899-03-7 | 91 |
| 5 | Octadecyl trifluoroacetate | 366 | C20H37F3O2 | 079392-43-1 | 91 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042020\
Data File : BF120079.D
Acq On : 20 Apr 2020 15:56
Operator : MA/SJ
Sample : L2314-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WB-7-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

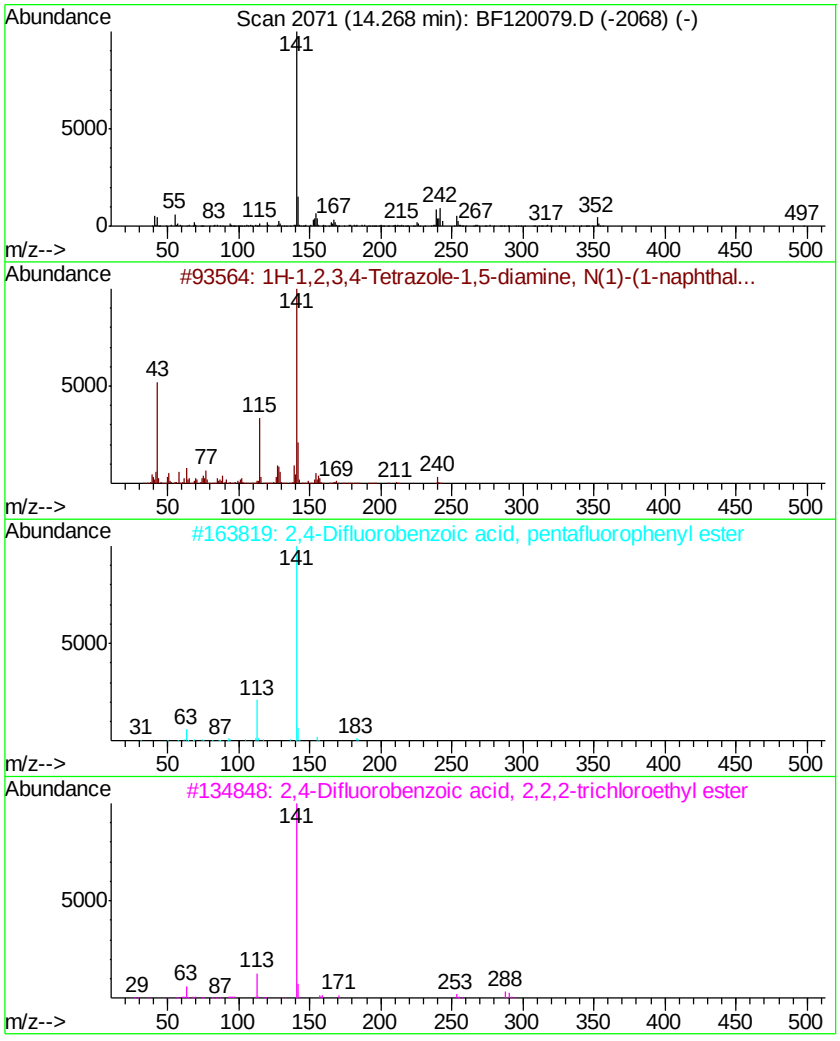
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

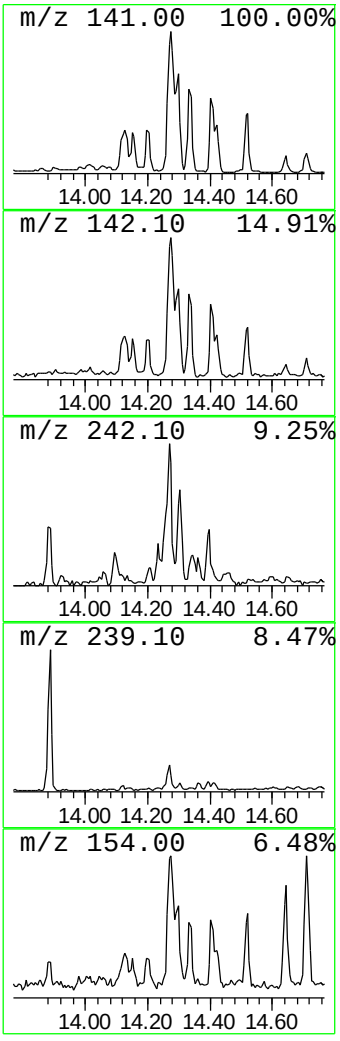
**********

Peak Number 12 1H-1,2,3,4-Tetrazole-1,5-di... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.27 | 7.30 ng | 450053 | Chrysene-d12 | 13.89 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-1,2,3,4-Tetrazole-1,5-diamine... | 240 | C12H12N6 | 1000337-84-1 | 59 |
| 2 | 2,4-Difluorobenzoic acid, pentaf... | 324 | C13H3F7O2 | 1000360-55-5 | 38 |
| 3 | 2,4-Difluorobenzoic acid, 2,2,2-... | 288 | C9H5Cl3F2O2 | 1000360-55-7 | 38 |
| 4 | 3,4-Difluorobenzoic acid, 2,4-di... | 352 | C17H8Cl2F2O2 | 1000331-64-4 | 9 |
| 5 | 2,4-Difluorobenzoic acid, 2,4-di... | 352 | C17H8Cl2F2O2 | 1000331-58-5 | 9 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042020\
Data File : BF120079.D
Acq On : 20 Apr 2020 15:56
Operator : MA/SJ
Sample : L2314-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WB-7-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

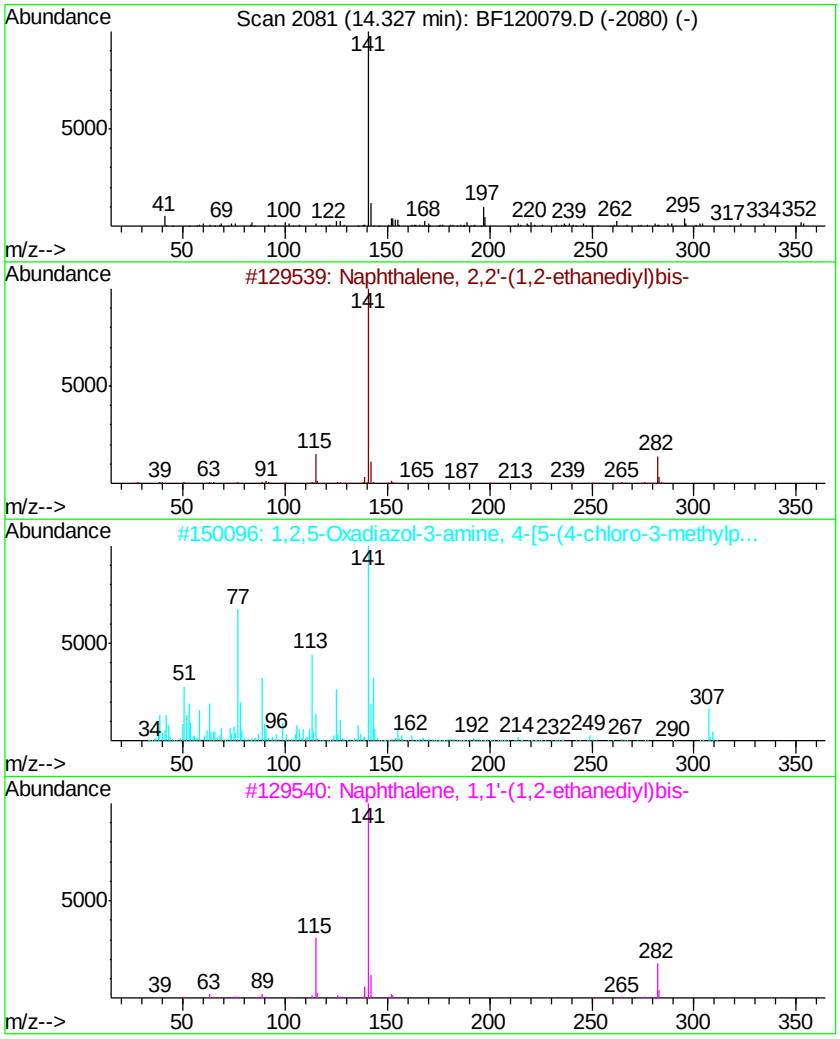
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

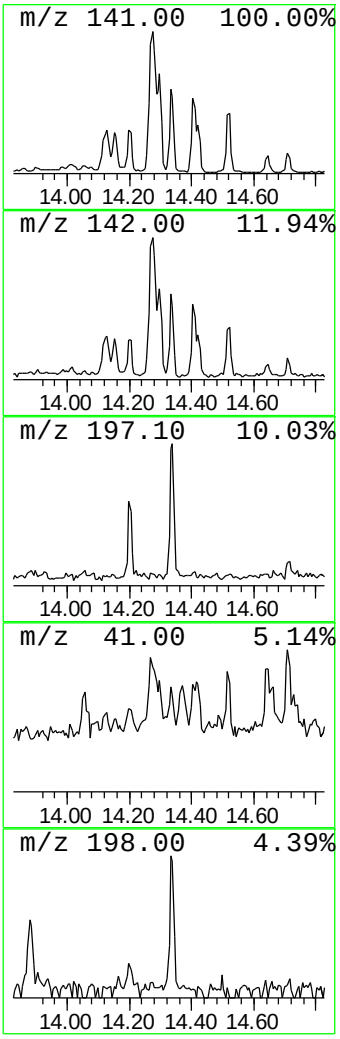
**********

Peak Number 13 Naphthalene, 2,2'-(1,2-etha... Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.33 | 2.21 ng | 136034 | Chrysene-d12 | 13.89 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2,2'-(1,2-ethanediv... | 282 | C22H18 | 021969-45-9 | 58 |
| 2 | 1,2,5-Oxadiazol-3-amine, 4-[5-(4... | 307 | C12H10ClN5O3 | 1000277-14-0 | 36 |
| 3 | Naphthalene, 1,1'-(1,2-ethanediv... | 282 | C22H18 | 015374-45-5 | 36 |
| 4 | 1-[5-Nitro-6-uracilyl]-2-[2-chlo... | 293 | C12H8ClN3O4 | 296798-53-3 | 28 |
| 5 | Fumaric acid, 2,4-dichloronaphth... | 352 | C17H14Cl2O4 | 1000344-93-2 | 9 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042020\
Data File : BF120079.D
Acq On : 20 Apr 2020 15:56
Operator : MA/SJ
Sample : L2314-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WB-7-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

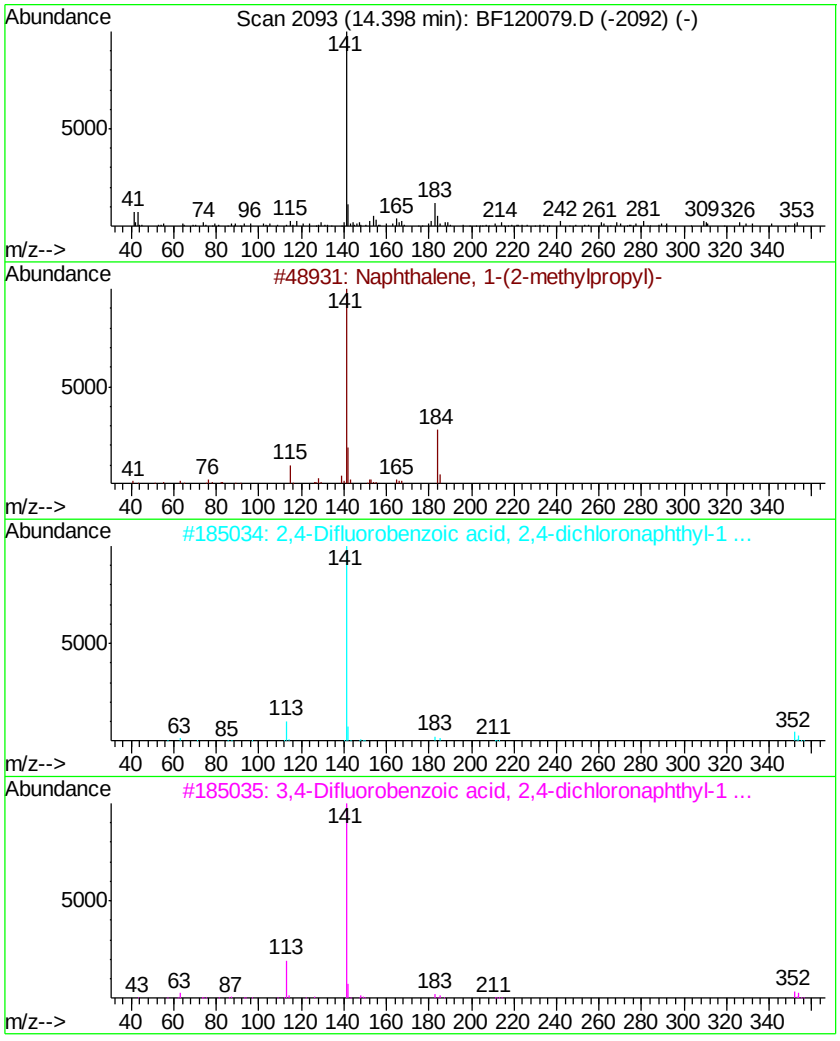
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

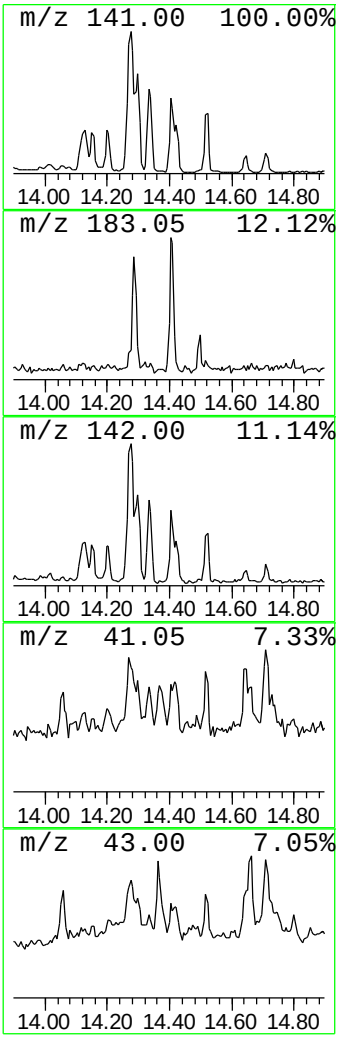
**********

Peak Number 14 Naphthalene, 1-(2-methylpro... Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.40 | 2.32 ng | 142774 | Chrysene-d12 | 13.89 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1-(2-methylpropyl)- | 184 | C14H16 | 016727-91-6 | 64 |
| 2 | 2,4-Difluorobenzoic acid, 2,4-di... | 352 | C17H8Cl2F2O2 | 1000331-58-5 | 64 |
| 3 | 3,4-Difluorobenzoic acid, 2,4-di... | 352 | C17H8Cl2F2O2 | 1000331-64-4 | 50 |
| 4 | 1,4-Bis[2-naphthyl]-2,3-butanedione | 338 | C24H18O2 | 034277-99-1 | 45 |
| 5 | 1-Propoxypropan-2-yl 3,5,5-trime... | 258 | C15H30O3 | 1000378-24-2 | 42 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042020\
Data File : BF120079.D
Acq On : 20 Apr 2020 15:56
Operator : MA/SJ
Sample : L2314-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WB-7-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

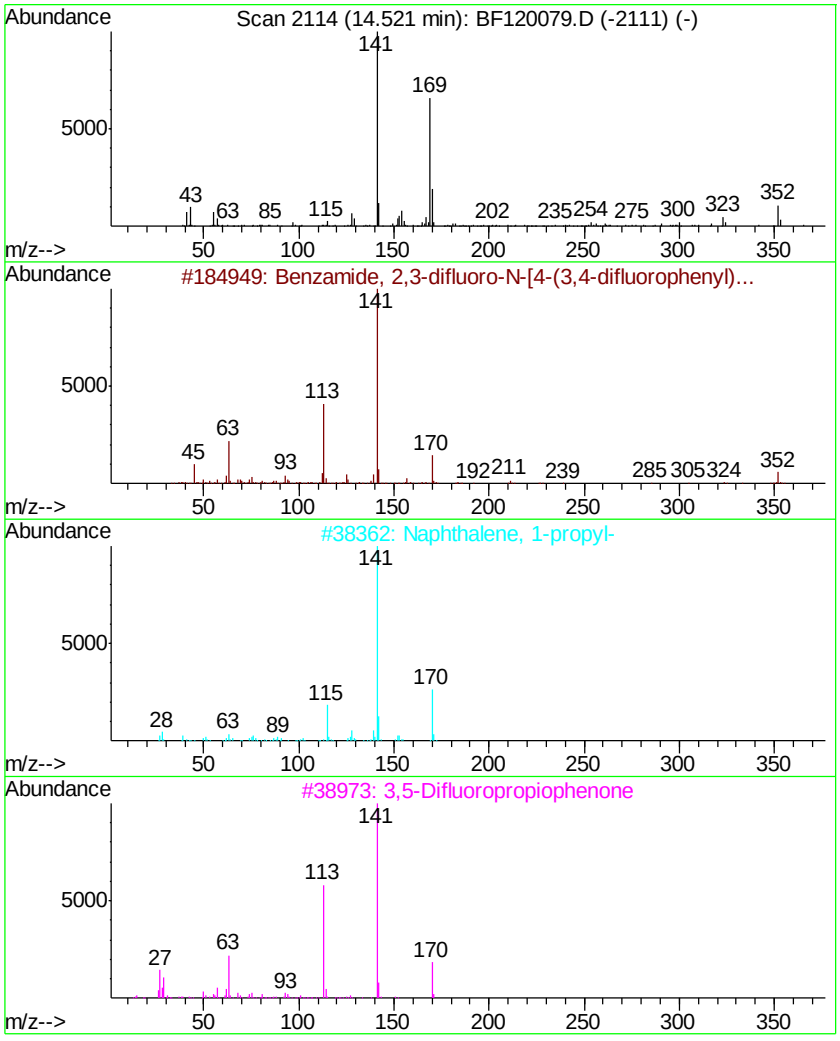
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

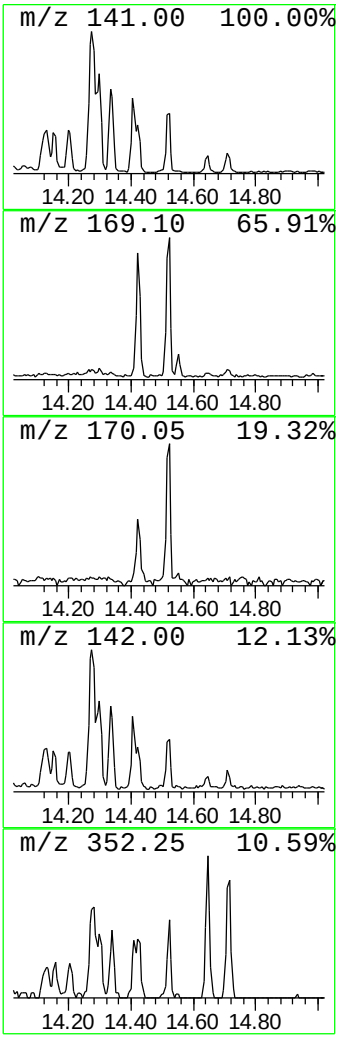
**********

Peak Number 15 Benzamide, 2,3-difluoro-N-[... Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.52 | 3.13 ng | 193041 | Chrysene-d12 | 13.89 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzamide, 2,3-difluoro-N-[4-(3,... | 352 | C16H8F4N2OS | 1000277-49-1 | 50 |
| 2 | Naphthalene, 1-propyl- | 170 | C13H14 | 002765-18-6 | 47 |
| 3 | 3,5-Difluoropropiophenone | 170 | C9H8F2O | 135306-45-5 | 38 |
| 4 | 3,4-Difluoropropiophenone | 170 | C9H8F2O | 023384-72-7 | 38 |
| 5 | 2(1H)-Pyridinethione, 3-hydroxy-... | 141 | C6H7NOS | 022989-67-9 | 32 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042020\
Data File : BF120079.D
Acq On : 20 Apr 2020 15:56
Operator : MA/SJ
Sample : L2314-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WB-7-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

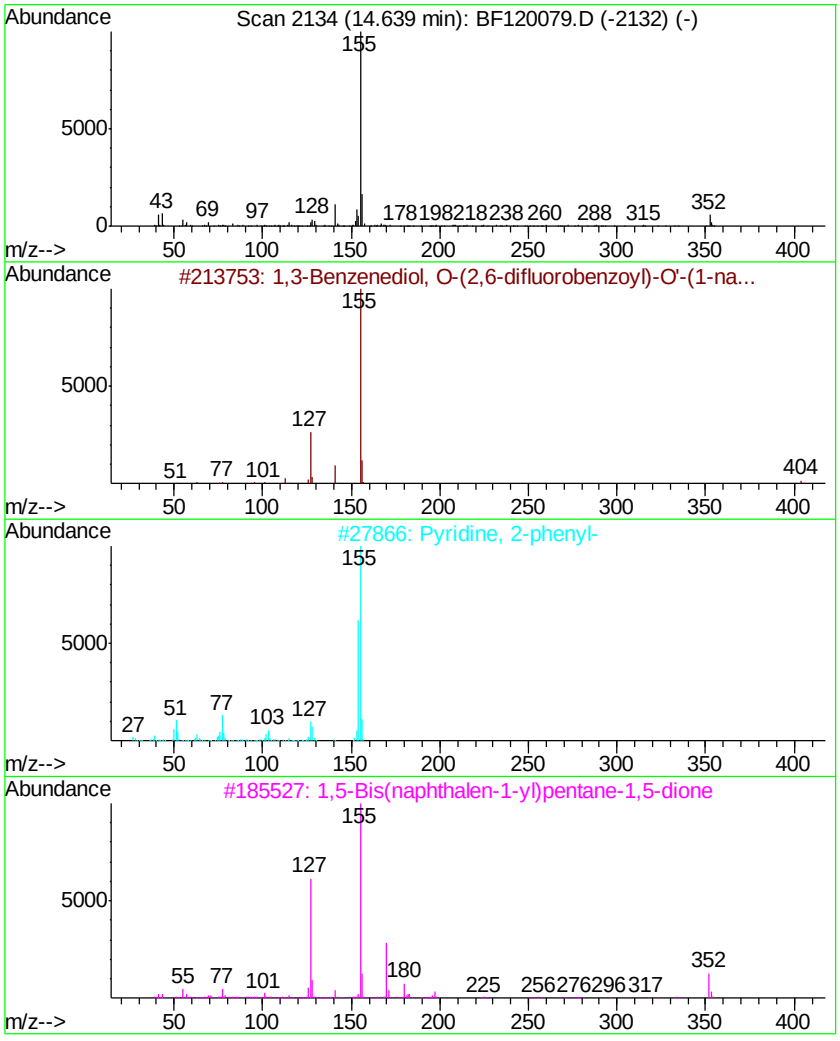
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

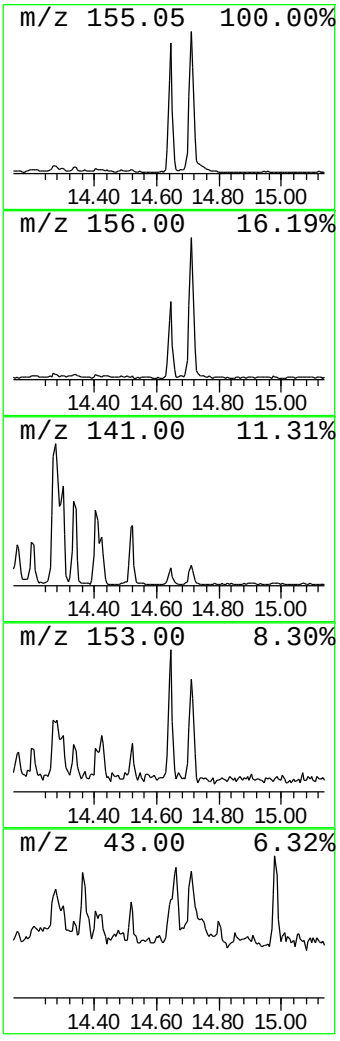
**********

Peak Number 16 1,3-Benzenediol, O-(2,6-dif... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.64 | 6.91 ng | 362387 | Perylene-d12 | 15.31 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,3-Benzenediol, O-(2,6-difluoro... | 404 | C24H14F2O4 | 1000345-52-7 | 64 |
| 2 | Pyridine, 2-phenyl- | 155 | C11H9N | 001008-89-5 | 59 |
| 3 | 1,5-Bis(naphthalen-1-yl)pentane-... | 352 | C25H20O2 | 1000210-52-9 | 56 |
| 4 | Ethyl 1-(3-hydroxybutyl)-2-oxocy... | 270 | C15H26O4 | 110288-16-9 | 53 |
| 5 | 1-Naphthoic acid, 4-biphenyl ester | 324 | C23H16O2 | 1000355-69-7 | 45 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042020\
Data File : BF120079.D
Acq On : 20 Apr 2020 15:56
Operator : MA/SJ
Sample : L2314-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WB-7-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

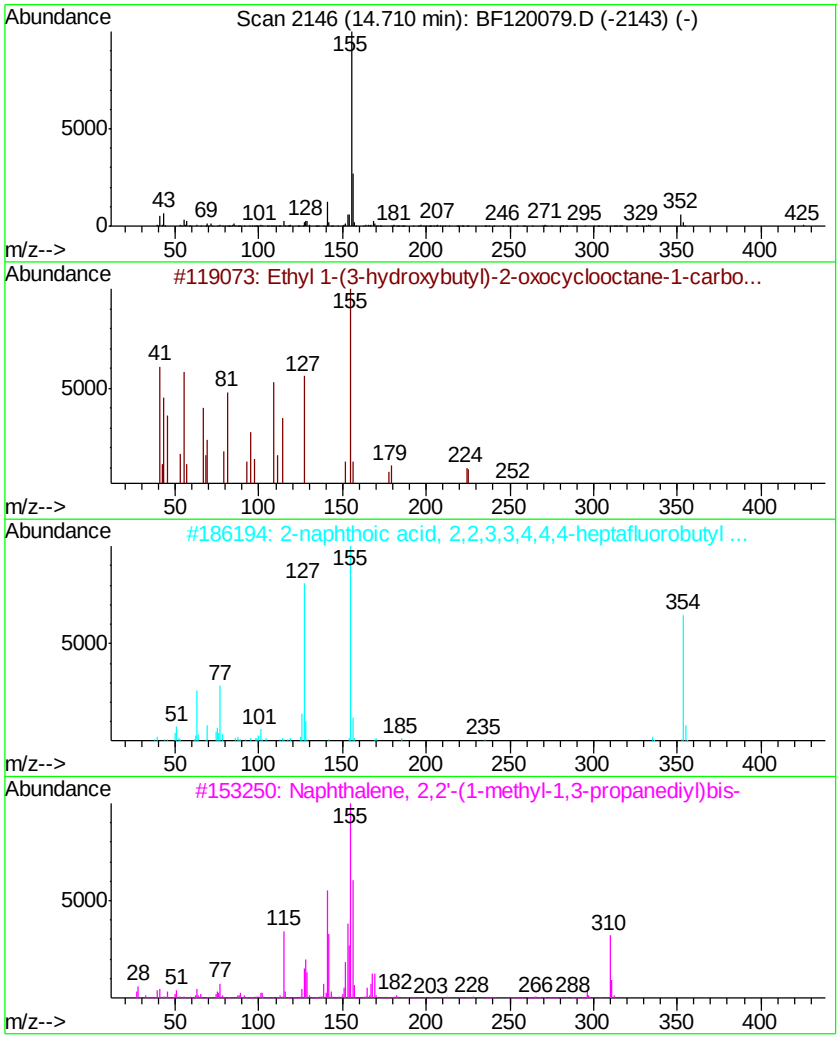
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

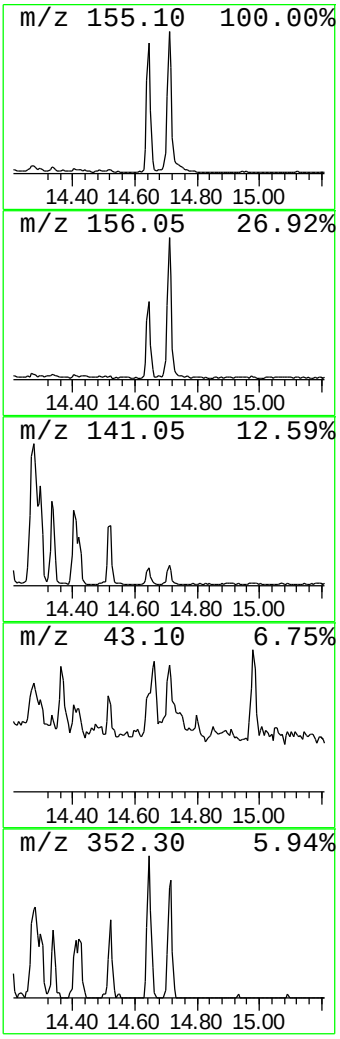
**********

Peak Number 17 unknown14.71 Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.71 | 8.78 ng | 460077 | Perylene-d12 | 15.31 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethyl 1-(3-hydroxybutyl)-2-oxocy... | 270 | C15H26O4 | 110288-16-9 | 40 |
| 2 | 2-naphthoic acid, 2,2,3,3,4,4,4-... | 354 | C15H9F7O2 | 1000376-63-4 | 36 |
| 3 | Naphthalene, 2,2'-(1-methyl-1,3-... | 310 | C24H22 | 077455-13-1 | 12 |
| 4 | Pyridine, 2-phenyl- | 155 | C11H9N | 001008-89-5 | 9 |
| 5 | Thiophene-2-carboxylic acid, 5-f... | 156 | C6H4O3S | 1000306-77-9 | 9 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042020\
Data File : BF120079.D
Acq On : 20 Apr 2020 15:56
Operator : MA/SJ
Sample : L2314-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WB-7-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

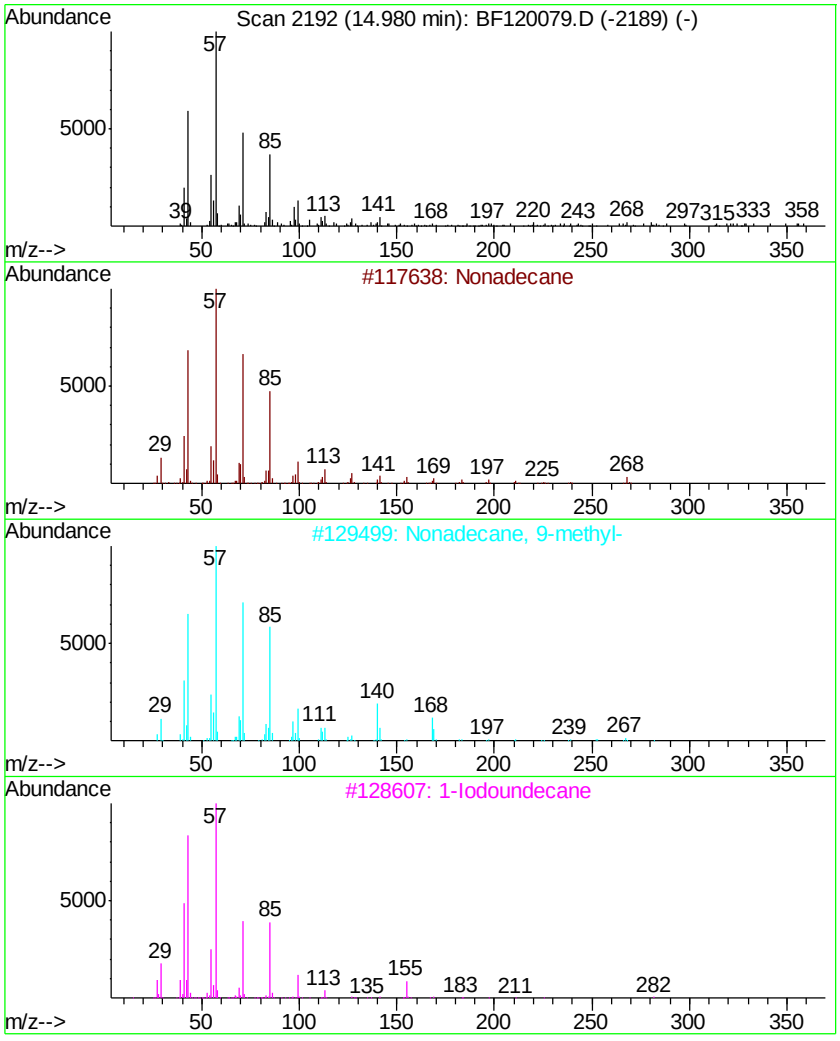
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

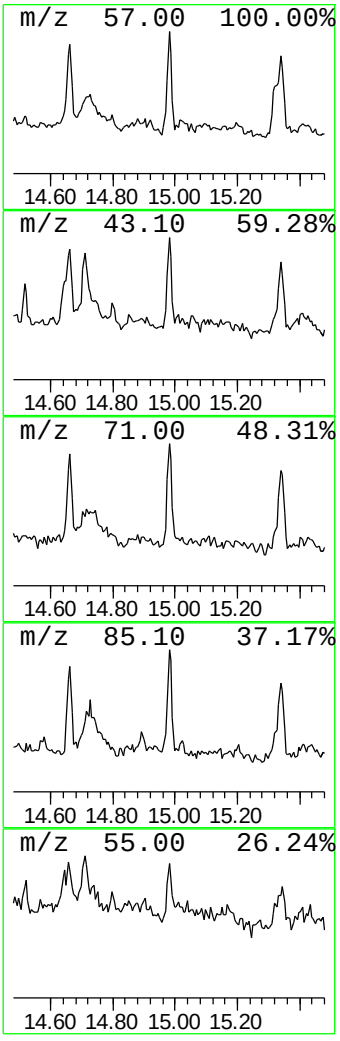
**********

Peak Number 18 Nonadecane Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.98 | 2.69 ng | 141003 | Perylene-d12 | 15.31 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Nonadecane | 268 | C19H40 | 000629-92-5 | 86 |
| 2 | Nonadecane, 9-methyl- | 282 | C20H42 | 013287-24-6 | 83 |
| 3 | 1-Iodoundecane | 282 | C11H23I | 004282-44-4 | 81 |
| 4 | Tetracosane | 338 | C24H50 | 000646-31-1 | 80 |
| 5 | Tricosane | 324 | C23H48 | 000638-67-5 | 80 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042020\
Data File : BF120079.D
Acq On : 20 Apr 2020 15:56
Operator : MA/SJ
Sample : L2314-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WB-7-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

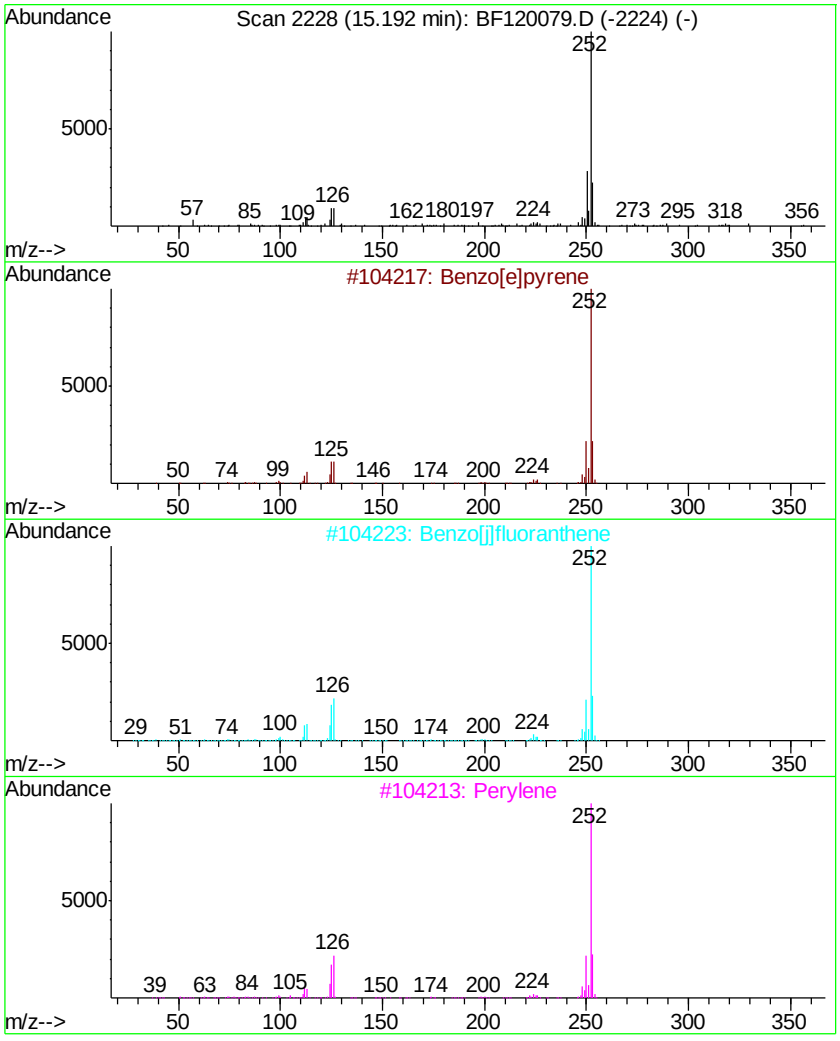
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

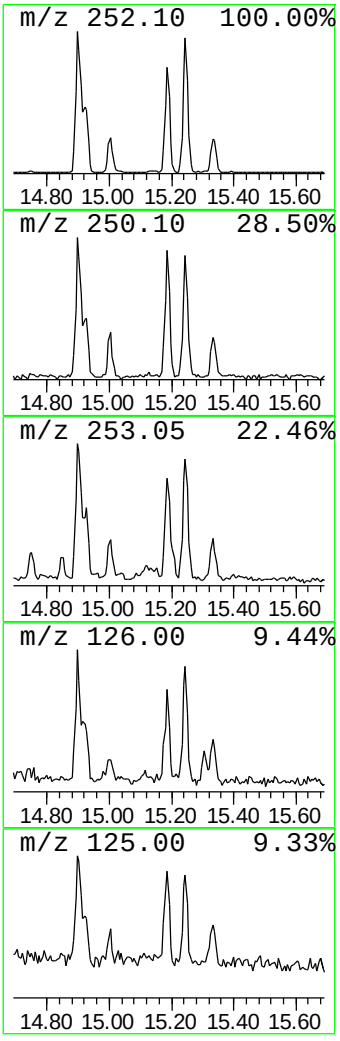
**********

Peak Number 19 Benzo[e]pyrene Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.19 | 3.94 ng | 206746 | Perylene-d12 | 15.31 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 95 |
| 2 | Benzo[j]fluoranthene | 252 | C20H12 | 000205-82-3 | 95 |
| 3 | Perylene | 252 | C20H12 | 000198-55-0 | 94 |
| 4 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 93 |
| 5 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 93 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042020\
Data File : BF120079.D
Acq On : 20 Apr 2020 15:56
Operator : MA/SJ
Sample : L2314-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WB-7-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

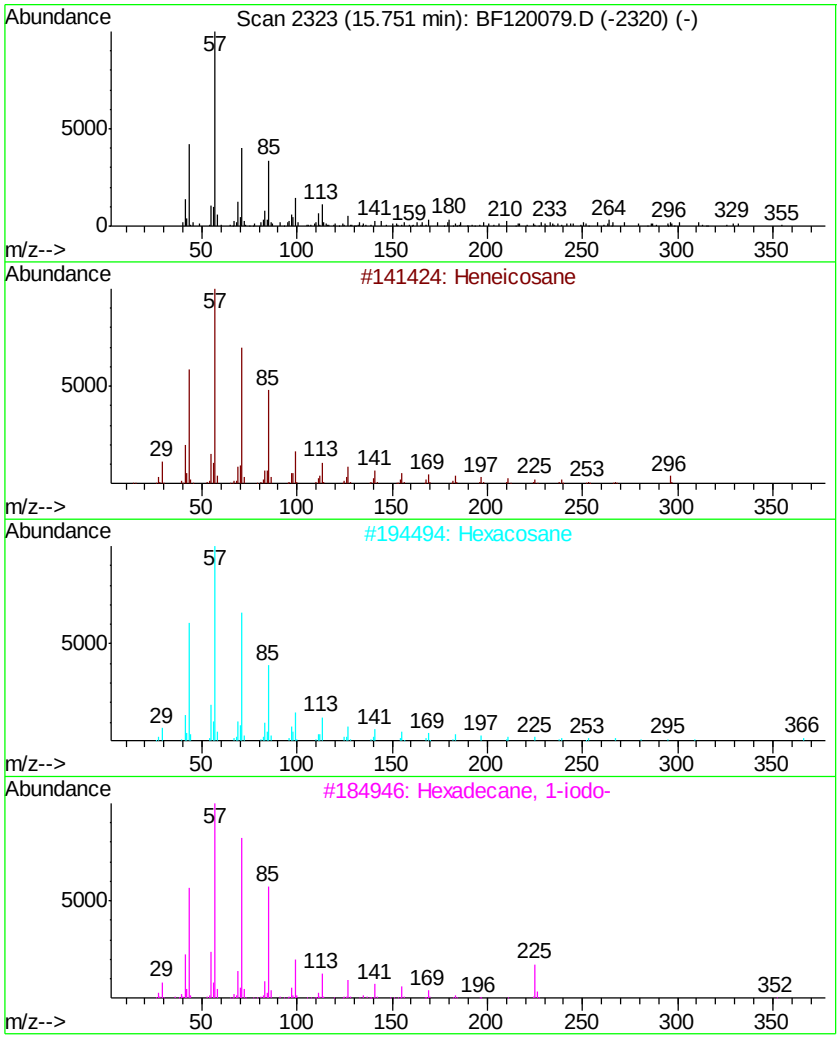
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

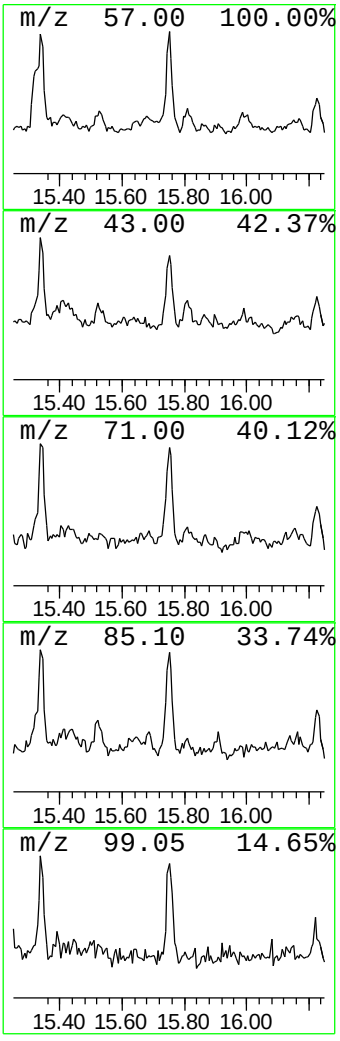
**********

Peak Number 20 Heneicosane Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.75 | 2.63 ng | 137931 | Perylene-d12 | 15.31 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heneicosane | 296 | C21H44 | 000629-94-7 | 90 |
| 2 | Hexacosane | 366 | C26H54 | 000630-01-3 | 72 |
| 3 | Hexadecane, 1-iodo- | 352 | C16H33I | 000544-77-4 | 64 |
| 4 | Oxalic acid, butyl 6-ethyloct-3-... | 286 | C16H30O4 | 1000309-34-2 | 59 |
| 5 | Eicosane, 10-methyl- | 296 | C21H44 | 054833-23-7 | 59 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042020\
Data File : BF120079.D
Acq On : 20 Apr 2020 15:56
Operator : MA/SJ
Sample : L2314-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WB-7-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.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 |
| Ethanol, 2-(2-eth... | 6.55 | 3.2 | ng | 155392 | 1 | 6.72 | 982409 | 20.0 |
| Longifolene | 9.39 | 8.3 | ng | 634249 | 3 | 9.76 | 1538290 | 20.0 |
| Naphthalene, 2,6-... | 9.41 | 2.1 | ng | 158295 | 3 | 9.76 | 1538290 | 20.0 |
| unknown10.43 | 10.43 | 4.6 | ng | 356508 | 3 | 9.76 | 1538290 | 20.0 |
| unknown11.75 | 11.75 | 3.3 | ng | 243726 | 4 | 11.24 | 1470050 | 20.0 |
| n-Hexadecanoic acid | 11.78 | 13.7 | ng | 1004220 | 4 | 11.24 | 1470050 | 20.0 |
| Octadecanoic acid | 12.57 | 8.0 | ng | 491638 | 5 | 13.89 | 1233210 | 20.0 |
| unknown13.26 | 13.26 | 11.2 | ng | 692649 | 5 | 13.89 | 1233210 | 20.0 |
| Hexanoic acid, 2-... | 13.62 | 2.6 | ng | 158174 | 5 | 13.89 | 1233210 | 20.0 |
| Pentafluoropropio... | 13.73 | 9.5 | ng | 585169 | 5 | 13.89 | 1233210 | 20.0 |
| 1H-1,2,3,4-Tetraz... | 14.27 | 7.3 | ng | 450053 | 5 | 13.89 | 1233210 | 20.0 |
| Naphthalene, 2,2'... | 14.33 | 2.2 | ng | 136034 | 5 | 13.89 | 1233210 | 20.0 |
| Naphthalene, 1-(2... | 14.40 | 2.3 | ng | 142774 | 5 | 13.89 | 1233210 | 20.0 |
| Benzamide, 2,3-di... | 14.52 | 3.1 | ng | 193041 | 5 | 13.89 | 1233210 | 20.0 |
| 1,3-Benzenediol, ... | 14.64 | 6.9 | ng | 362387 | 6 | 15.31 | 1048360 | 20.0 |
| unknown14.71 | 14.71 | 8.8 | ng | 460077 | 6 | 15.31 | 1048360 | 20.0 |
| Nonadecane | 14.98 | 2.7 | ng | 141003 | 6 | 15.31 | 1048360 | 20.0 |
| Benzo[e]pyrene | 15.19 | 3.9 | ng | 206746 | 6 | 15.31 | 1048360 | 20.0 |
| Heneicosane | 15.75 | 2.6 | ng | 137931 | 6 | 15.31 | 1048360 | 20.0 |