LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
Data File : BF118611.D
Acq On : 21 Jan 2020 00:35
Operator : CG/JU
Sample : L1164-06
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** QVD-SB-01-0-52

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-BF012020.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 | 2.216 | 13 | 22 | 28 | rBV | 2408269 | 3284695 | 31.05% | 3.046% |
| 2 | 5.104 | 505 | 513 | 520 | rBV | 1551655 | 2114968 | 19.99% | 1.961% |
| 3 | 5.504 | 576 | 581 | 584 | rBV | 8956693 | 9489637 | 89.70% | 8.800% |
| 4 | 6.504 | 745 | 751 | 754 | rBV | 8723906 | 9951816 | 94.07% | 9.228% |
| 5 | 6.651 | 771 | 776 | 779 | rBV | 10295626 | 10133362 | 95.78% | 9.396% |
| 6 | 6.881 | 811 | 815 | 818 | rBV | 3606178 | 2885759 | 27.28% | 2.676% |
| 7 | 7.040 | 837 | 842 | 845 | rBV | 9400300 | 8144295 | 76.98% | 7.552% |
| 8 | 7.440 | 904 | 910 | 913 | rBV | 6178839 | 6111497 | 57.77% | 5.667% |
| 9 | 8.163 | 1028 | 1033 | 1036 | rBV | 4024861 | 3455365 | 32.66% | 3.204% |
| 10 | 9.239 | 1210 | 1216 | 1219 | rBV | 11754995 | 10579431 | 100.00% | 9.810% |
| 11 | 9.628 | 1279 | 1282 | 1285 | rBV | 621655 | 485530 | 4.59% | 0.450% |
| 12 | 9.916 | 1325 | 1331 | 1334 | rBV | 3949460 | 3398113 | 32.12% | 3.151% |
| 13 | 9.951 | 1334 | 1337 | 1340 | rVB | 127803 | 123133 | 1.16% | 0.114% |
| 14 | 10.463 | 1421 | 1424 | 1427 | rBV | 144253 | 122425 | 1.16% | 0.114% |
| 15 | 10.704 | 1460 | 1465 | 1468 | rBV | 6320569 | 5622534 | 53.15% | 5.214% |
| 16 | 10.828 | 1483 | 1486 | 1488 | rBV | 115873 | 116993 | 1.11% | 0.108% |
| 17 | 11.404 | 1580 | 1584 | 1586 | rBV | 3124808 | 2975129 | 28.12% | 2.759% |
| 18 | 11.428 | 1586 | 1588 | 1591 | rVV | 1382226 | 1101016 | 10.41% | 1.021% |
| 19 | 11.475 | 1591 | 1596 | 1599 | rVB | 412052 | 380392 | 3.60% | 0.353% |
| 20 | 11.622 | 1617 | 1621 | 1625 | rBV2 | 104474 | 123042 | 1.16% | 0.114% |
| 21 | 11.927 | 1670 | 1673 | 1678 | rVB | 625179 | 522047 | 4.93% | 0.484% |
| 22 | 12.016 | 1684 | 1688 | 1690 | rBV2 | 232528 | 222869 | 2.11% | 0.207% |
| 23 | 12.498 | 1765 | 1770 | 1774 | rBV5 | 118033 | 230212 | 2.18% | 0.213% |
| 24 | 12.610 | 1786 | 1789 | 1793 | rBV | 1810817 | 1635759 | 15.46% | 1.517% |
| 25 | 12.710 | 1803 | 1806 | 1812 | rBV6 | 139967 | 211848 | 2.00% | 0.196% |
| 26 | 12.839 | 1823 | 1828 | 1831 | rBV | 1538113 | 1590611 | 15.03% | 1.475% |
| 27 | 12.986 | 1849 | 1853 | 1856 | rBV | 9995893 | 8569926 | 81.01% | 7.947% |
| 28 | 13.169 | 1882 | 1884 | 1887 | rVB | 188406 | 157835 | 1.49% | 0.146% |
| 29 | 13.233 | 1891 | 1895 | 1898 | rVV2 | 206097 | 272040 | 2.57% | 0.252% |
| 30 | 13.469 | 1933 | 1935 | 1941 | rVB2 | 121077 | 137337 | 1.30% | 0.127% |
| 31 | 13.569 | 1949 | 1952 | 1954 | rBV | 218769 | 203734 | 1.93% | 0.189% |
| 32 | 13.880 | 2002 | 2005 | 2015 | rVB2 | 1372677 | 1565486 | 14.80% | 1.452% |
| 33 | 14.039 | 2027 | 2032 | 2034 | rBV2 | 3317588 | 3650836 | 34.51% | 3.385% |
| 34 | 14.063 | 2034 | 2036 | 2039 | rVB | 705579 | 532503 | 5.03% | 0.494% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
Data File : BF118611.D
Acq On : 21 Jan 2020 00:35
Operator : CG/JU
Sample : L1164-06
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** QVD-SB-01-0-52

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-BF012020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 14.210 | 2059 | 2061 | 2066 | rVB2 | 503923 | 482585 | 4.56% | 0.447% |
| 36 | 14.516 | 2110 | 2113 | 2116 | rBV | 810063 | 727190 | 6.87% | 0.674% |
| 37 | 14.827 | 2163 | 2166 | 2169 | rBV | 726673 | 711296 | 6.72% | 0.660% |
| 38 | 15.080 | 2206 | 2209 | 2219 | rVB | 631537 | 1293699 | 12.23% | 1.200% |
| 39 | 15.168 | 2221 | 2224 | 2235 | rVB2 | 764139 | 1082645 | 10.23% | 1.004% |
| 40 | 15.386 | 2258 | 2261 | 2267 | rVB | 356476 | 429430 | 4.06% | 0.398% |
| 41 | 15.445 | 2268 | 2271 | 2277 | rBV | 430714 | 508611 | 4.81% | 0.472% |
| 42 | 15.510 | 2278 | 2282 | 2286 | rBV | 1790001 | 2166756 | 20.48% | 2.009% |
| 43 | 15.998 | 2363 | 2365 | 2370 | rVB | 308192 | 337517 | 3.19% | 0.313% |

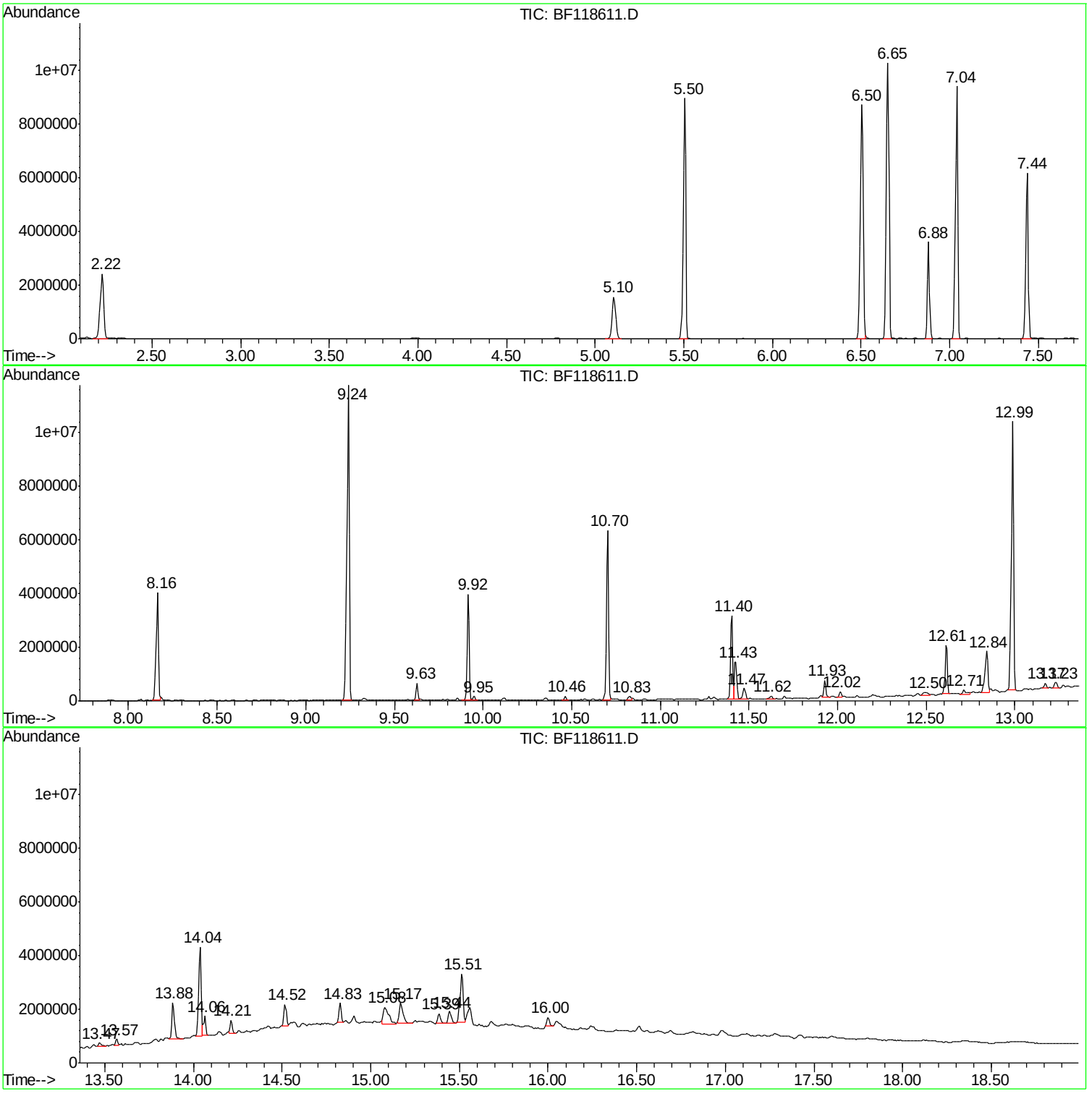
Sum of corrected areas: 107841904

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
Data File : BF118611.D
Acq On : 21 Jan 2020 00:35
Operator : CG/JU
Sample : L1164-06
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
QVD-SB-01-0-52

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.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\BF012020\
Data File : BF118611.D
Acq On : 21 Jan 2020 00:35
Operator : CG/JU
Sample : L1164-06
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** QVD-SB-01-0-52

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

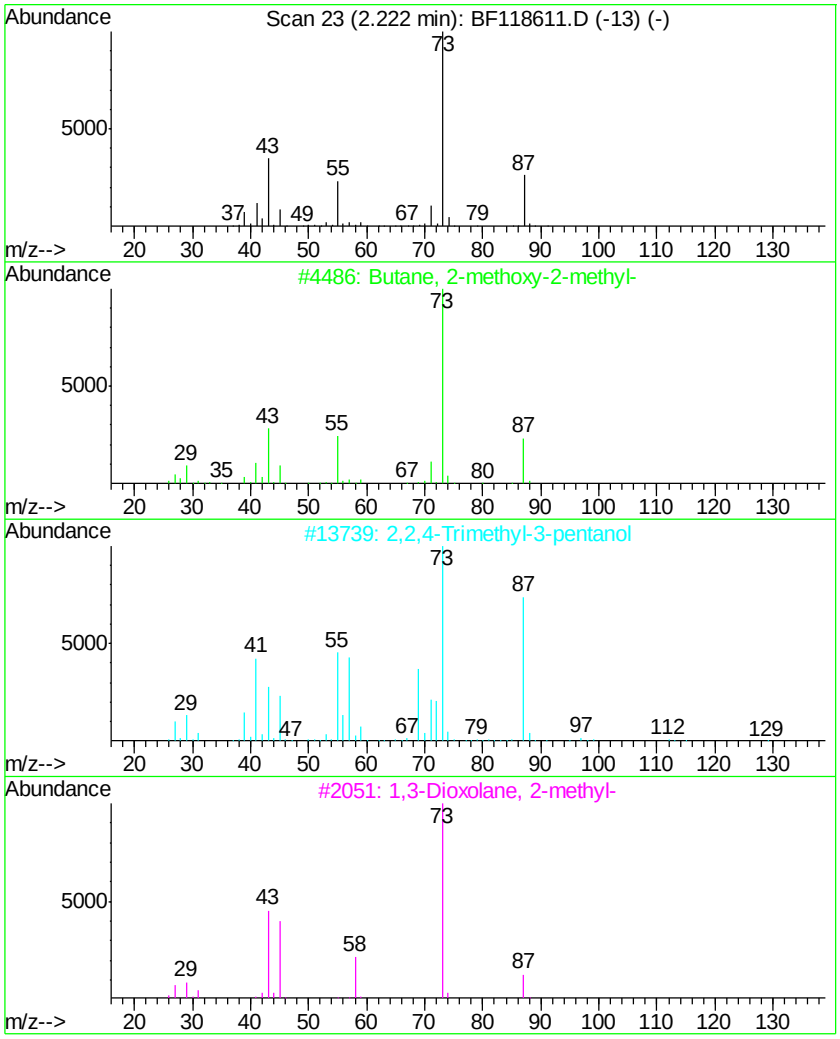
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

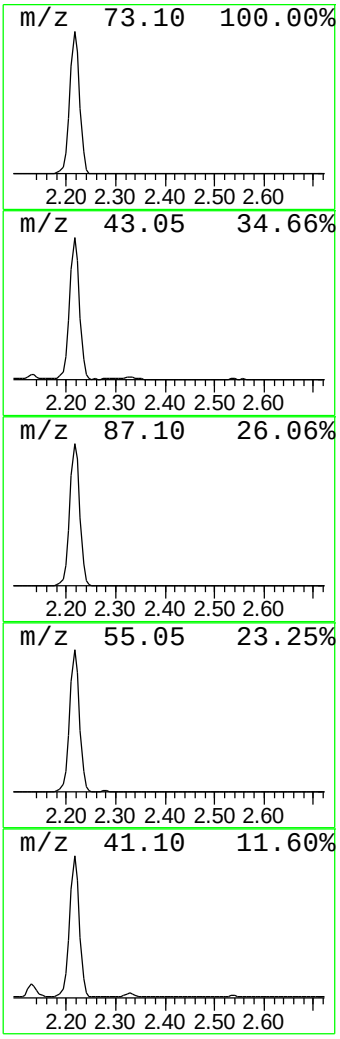
**********

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.22 | 22.76 ng | 3284700 | 1,4-Dichlorobenzene-d4 | 6.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 78 |
| 2 | 2,2,4-Trimethyl-3-pentanol | 130 | C8H18O | 005162-48-1 | 39 |
| 3 | 1,3-Dioxolane, 2-methyl- | 88 | C4H8O2 | 000497-26-7 | 25 |
| 4 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 23 |
| 5 | Acetamide, N-ethyl- | 87 | C4H9NO | 000625-50-3 | 22 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
Data File : BF118611.D
Acq On : 21 Jan 2020 00:35
Operator : CG/JU
Sample : L1164-06
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** QVD-SB-01-0-52

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

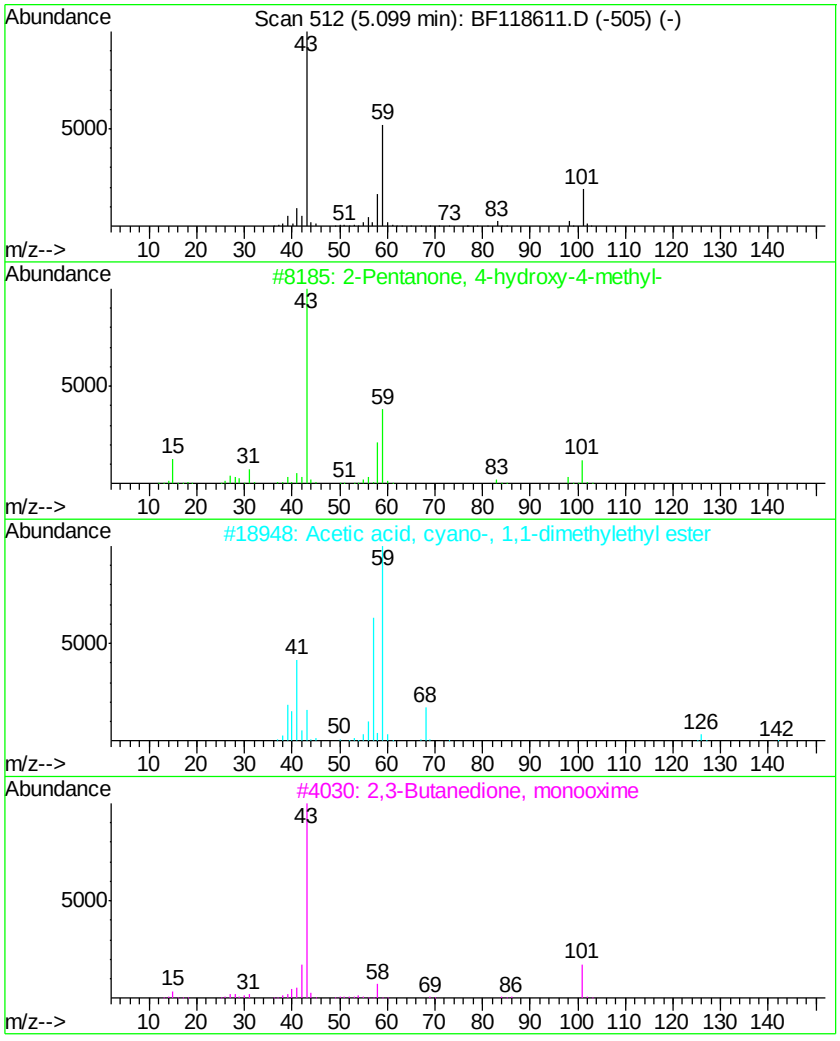
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

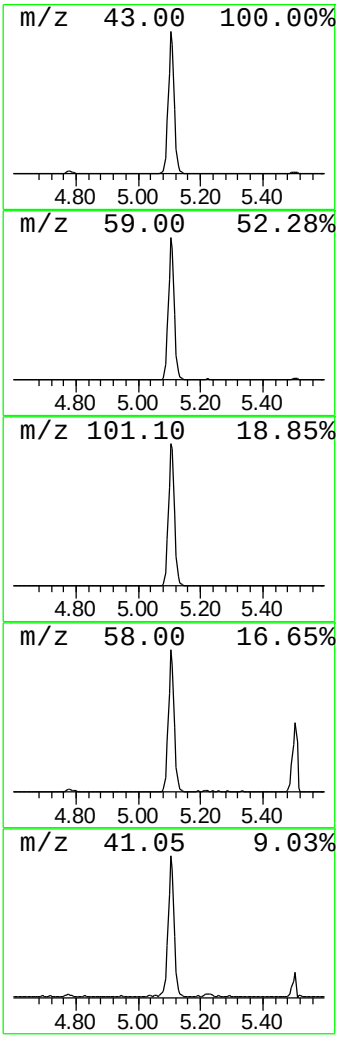
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.10 | 14.66 ng | 2114970 | 1,4-Dichlorobenzene-d4 | 6.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 50 |
| 2 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 17 |
| 3 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 12 |
| 4 | Acetone | 58 | C3H6O | 000067-64-1 | 10 |
| 5 | 5-Hexen-2-one | 98 | C6H10O | 000109-49-9 | 9 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
Data File : BF118611.D
Acq On : 21 Jan 2020 00:35
Operator : CG/JU
Sample : L1164-06
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** QVD-SB-01-0-52

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

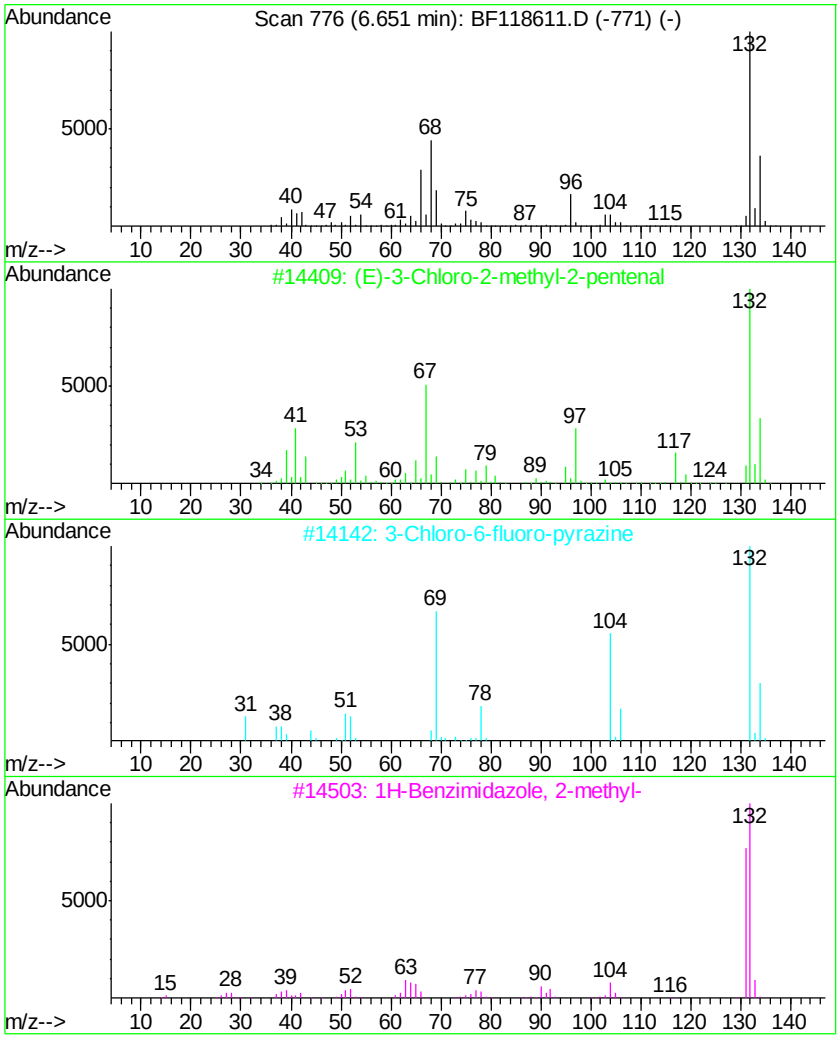
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

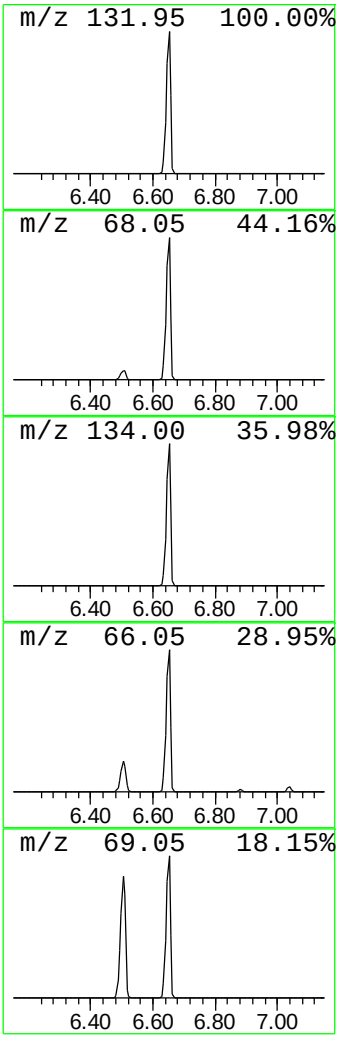
**********

Peak Number 3 unknown6.65 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.65 | 70.23 ng | 10133400 | 1,4-Dichlorobenzene-d4 | 6.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 27 |
| 2 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 27 |
| 3 | 1H-Benzimidazole, 2-methyl- | 132 | C8H8N2 | 000615-15-6 | 22 |
| 4 | 1-Isoquinolinemethanol, .alpha.-... | 191 | C12H17NO | 114608-92-3 | 12 |
| 5 | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2 | 022291-85-6 | 12 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
Data File : BF118611.D
Acq On : 21 Jan 2020 00:35
Operator : CG/JU
Sample : L1164-06
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** QVD-SB-01-0-52

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

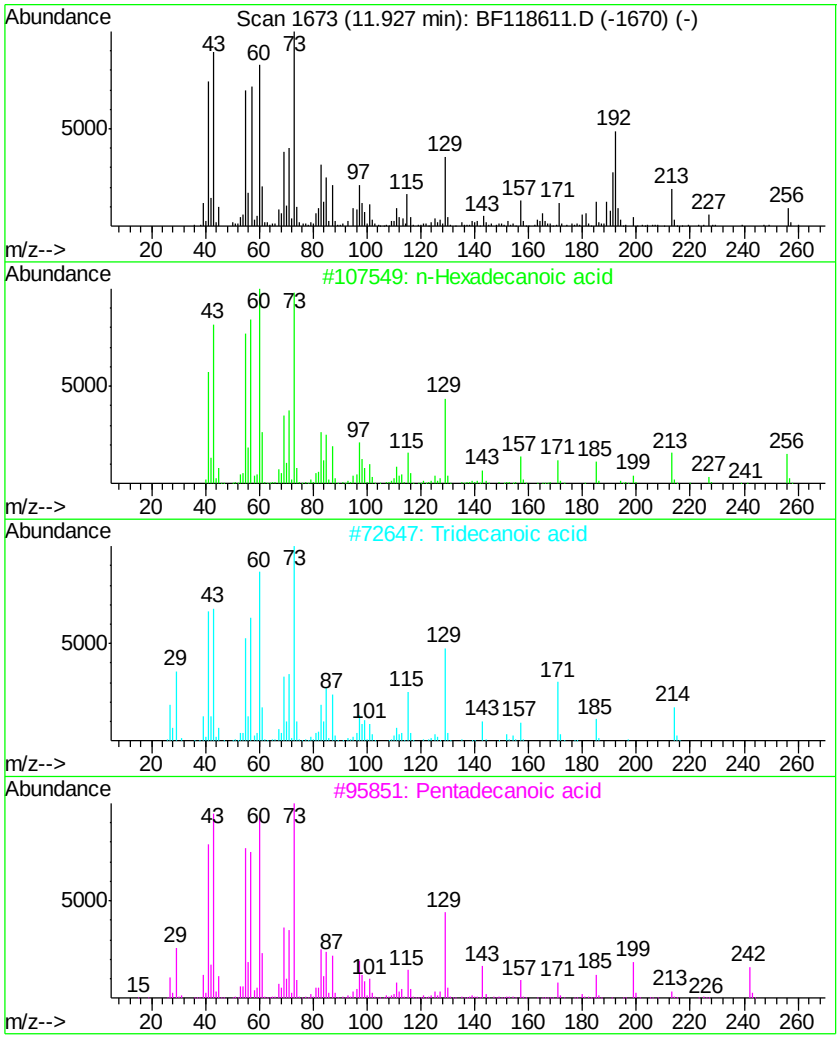
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

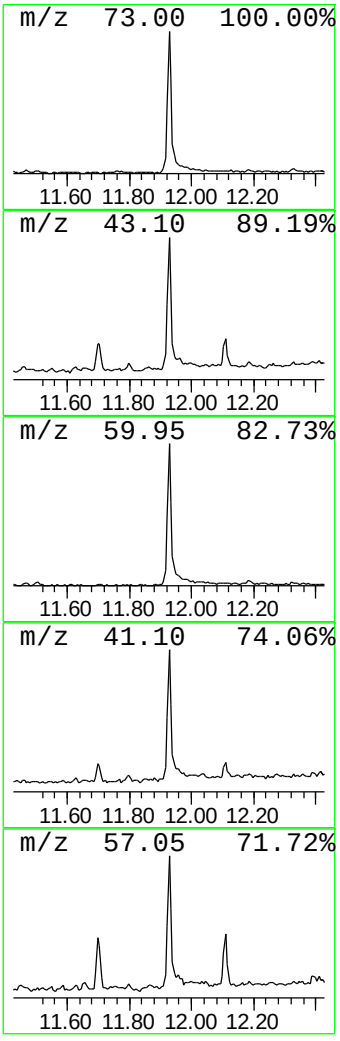
**********

Peak Number 5 n-Hexadecanoic acid Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.93 | 3.51 ng | 522047 | Phenanthrene-d10 | 11.40 |

| 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 | 92 |
| 3 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 70 |
| 4 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 60 |
| 5 | Estra-1,3,5(10)-trien-17.beta.-ol | 256 | C18H24O | 002529-64-8 | 30 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
Data File : BF118611.D
Acq On : 21 Jan 2020 00:35
Operator : CG/JU
Sample : L1164-06
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** QVD-SB-01-0-52

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

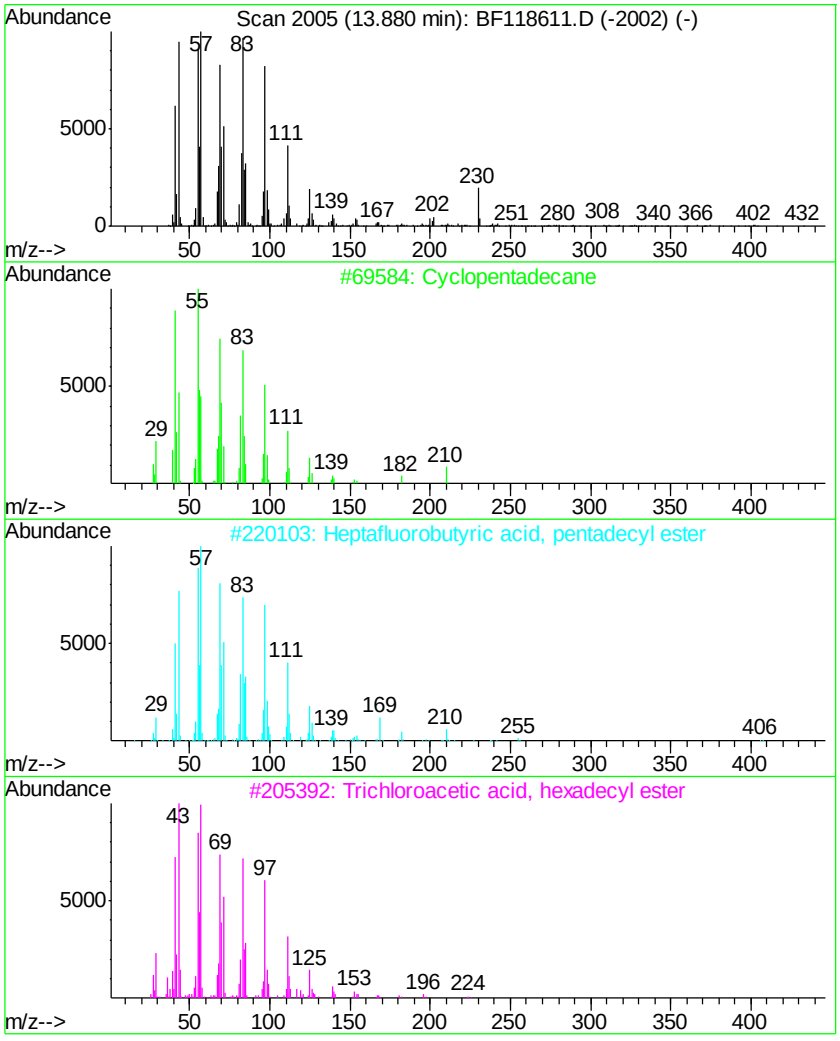
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

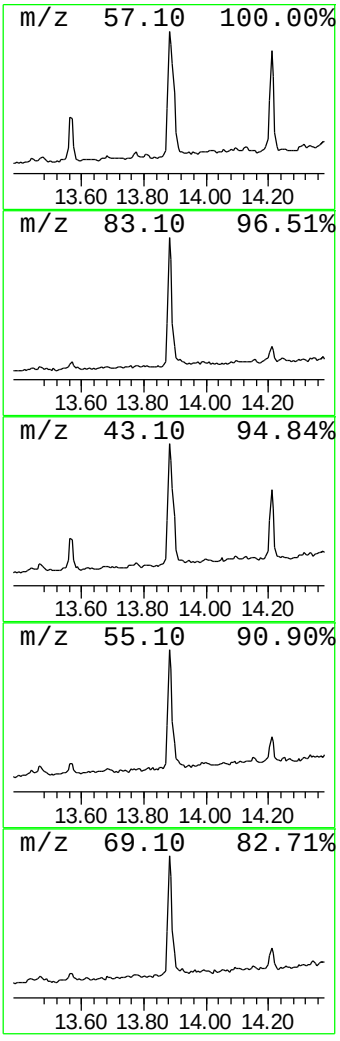
**********

Peak Number 6 Cyclopentadecane Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.88 | 8.58 ng | 1565490 | Chrysene-d12 | 14.04 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentadecane | 210 | C15H30 | 000295-48-7 | 94 |
| 2 | Heptafluorobutyric acid, pentade... | 424 | C19H31F7O2 | 959261-23-5 | 94 |
| 3 | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1 | 94 |
| 4 | Dichloroacetic acid, heptadecyl ... | 366 | C19H36Cl2O2 | 1000282-98-2 | 94 |
| 5 | Behenic alcohol | 326 | C22H46O | 000661-19-8 | 94 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
Data File : BF118611.D
Acq On : 21 Jan 2020 00:35
Operator : CG/JU
Sample : L1164-06
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** QVD-SB-01-0-52

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

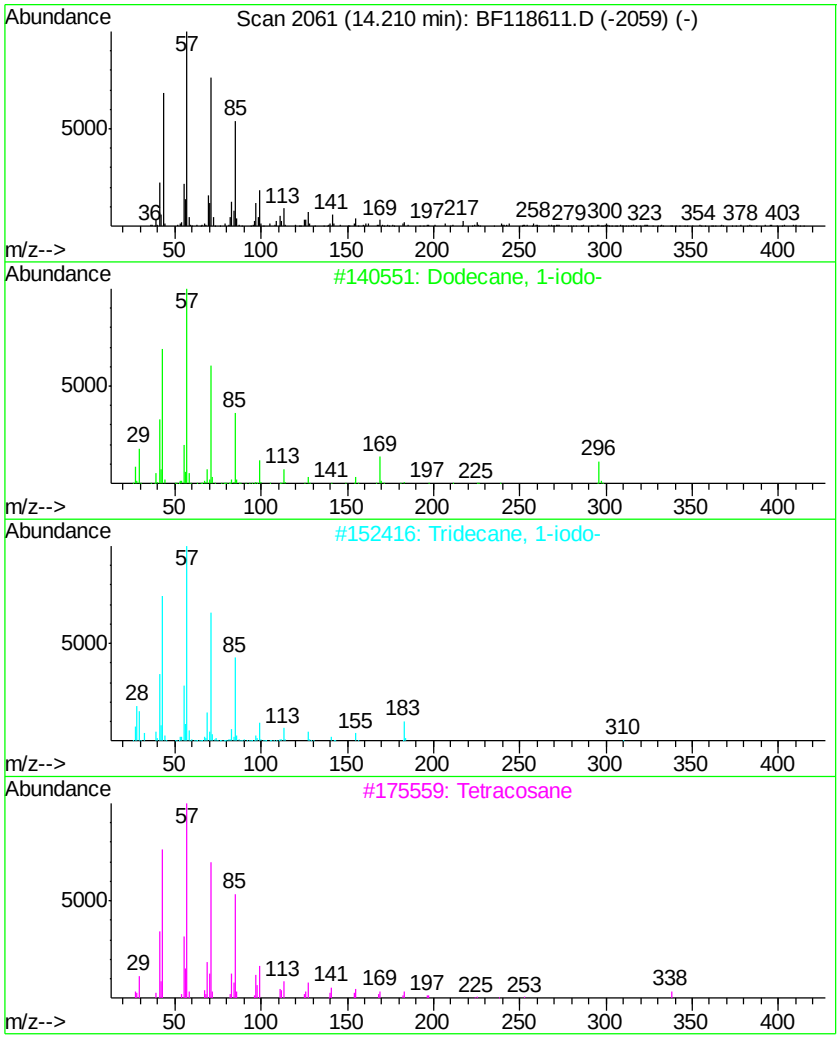
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

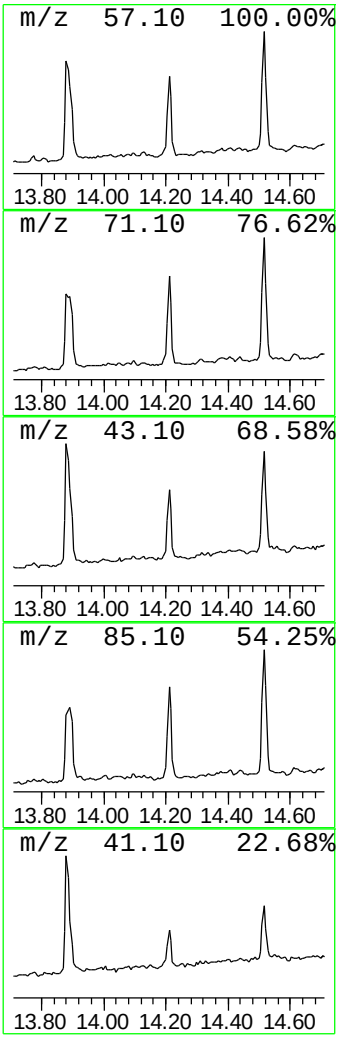
**********

Peak Number 7 Dodecane, 1-iodo- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.21 | 2.64 ng | 482585 | Chrysene-d12 | 14.04 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dodecane, 1-iodo- | 296 | C12H25I | 004292-19-7 | 93 |
| 2 | Tridecane, 1-iodo- | 310 | C13H27I | 035599-77-0 | 91 |
| 3 | Tetracosane | 338 | C24H50 | 000646-31-1 | 91 |
| 4 | Hexadecane | 226 | C16H34 | 000544-76-3 | 91 |
| 5 | Docosane, 11-butyl- | 366 | C26H54 | 013475-76-8 | 91 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
Data File : BF118611.D
Acq On : 21 Jan 2020 00:35
Operator : CG/JU
Sample : L1164-06
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** QVD-SB-01-0-52

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

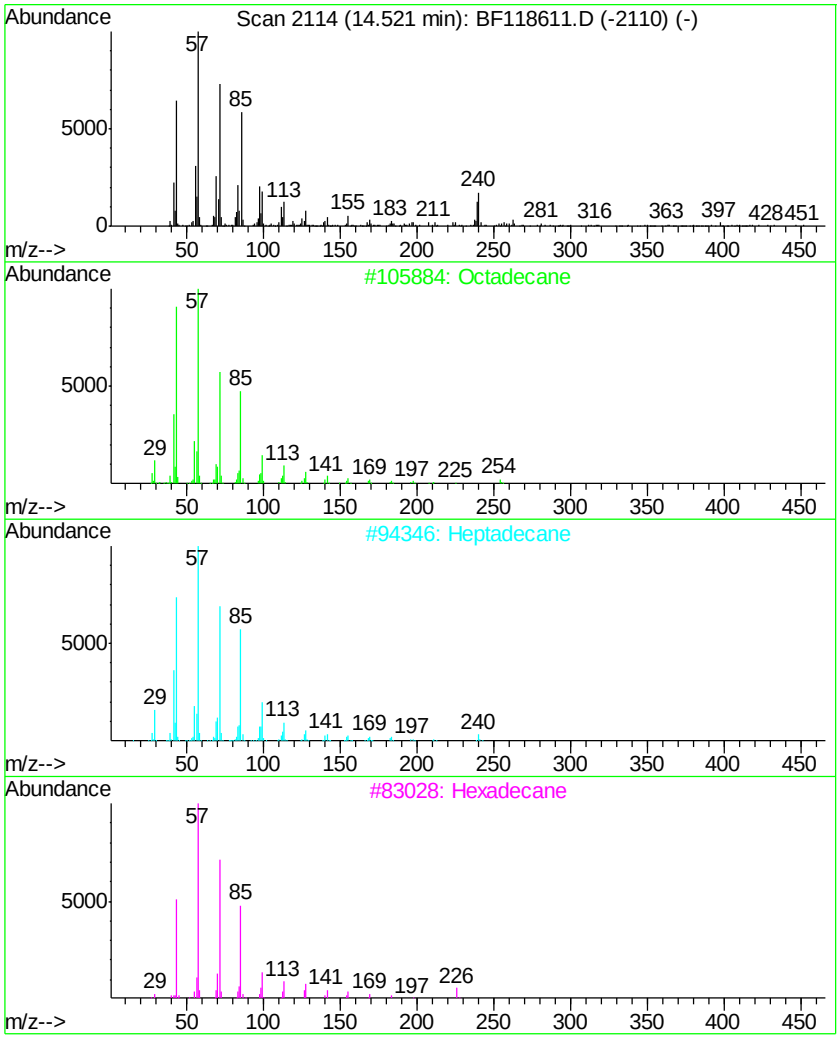
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

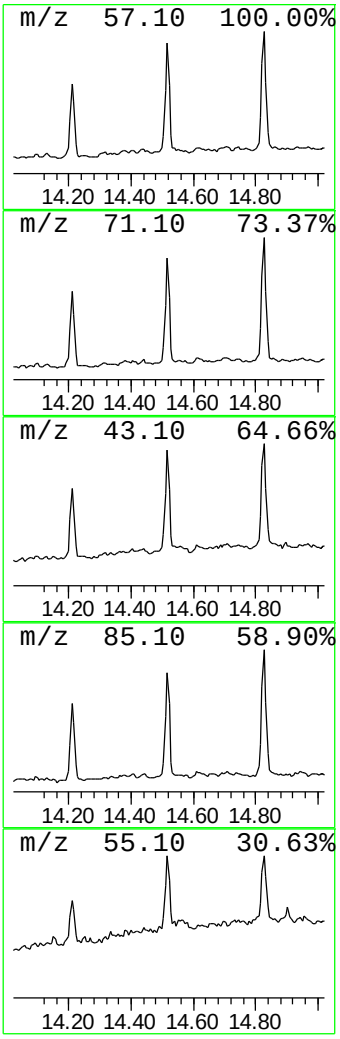
**********

Peak Number 8 Octadecane Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.52 | 3.98 ng | 727190 | Chrysene-d12 | 14.04 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecane | 254 | C18H38 | 000593-45-3 | 95 |
| 2 | Heptadecane | 240 | C17H36 | 000629-78-7 | 94 |
| 3 | Hexadecane | 226 | C16H34 | 000544-76-3 | 91 |
| 4 | Eicosane, 9-octyl- | 394 | C28H58 | 013475-77-9 | 91 |
| 5 | 2-Bromo dodecane | 248 | C12H25Br | 013187-99-0 | 91 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
Data File : BF118611.D
Acq On : 21 Jan 2020 00:35
Operator : CG/JU
Sample : L1164-06
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** QVD-SB-01-0-52

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

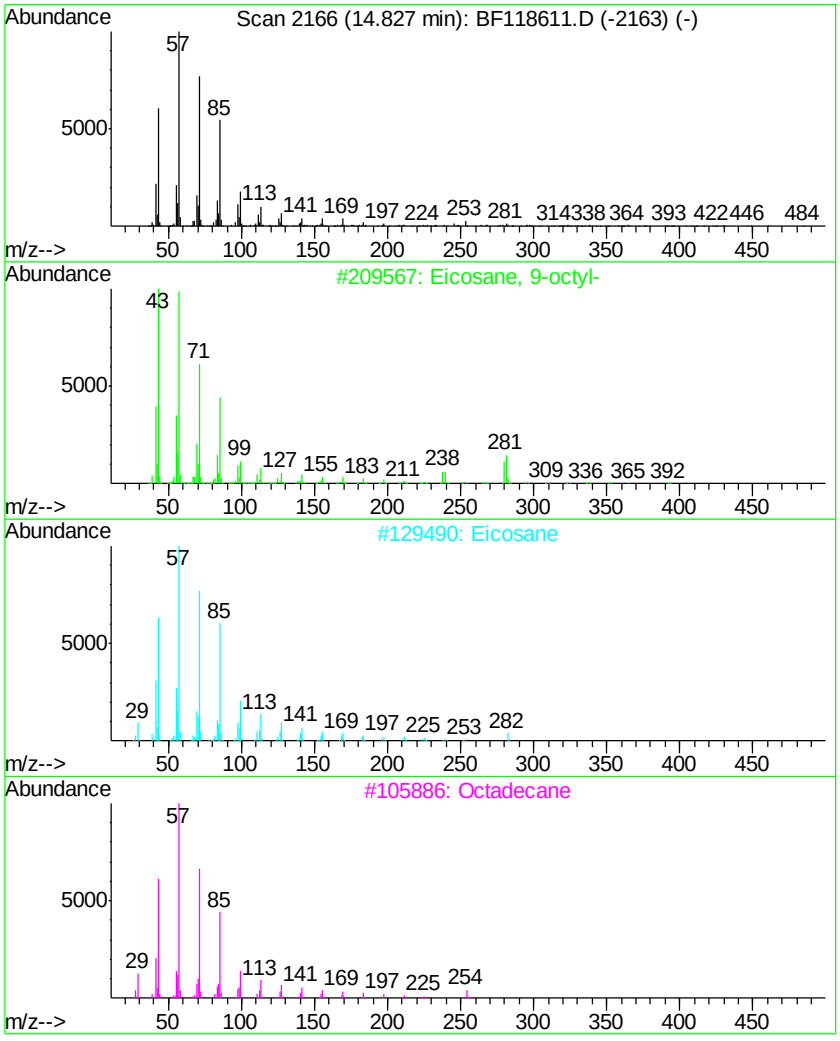
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

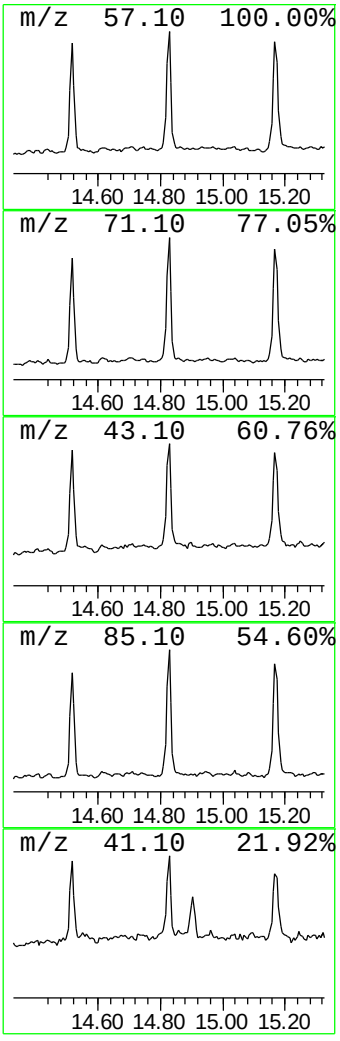
**********

Peak Number 9 Eicosane, 9-octyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.83 | 6.57 ng | 711296 | Perylene-d12 | 15.51 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosane, 9-octyl- | 394 | C28H58 | 013475-77-9 | 94 |
| 2 | Eicosane | 282 | C20H42 | 000112-95-8 | 94 |
| 3 | Octadecane | 254 | C18H38 | 000593-45-3 | 93 |
| 4 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 91 |
| 5 | Tetracosane | 338 | C24H50 | 000646-31-1 | 91 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
Data File : BF118611.D
Acq On : 21 Jan 2020 00:35
Operator : CG/JU
Sample : L1164-06
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** QVD-SB-01-0-52

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.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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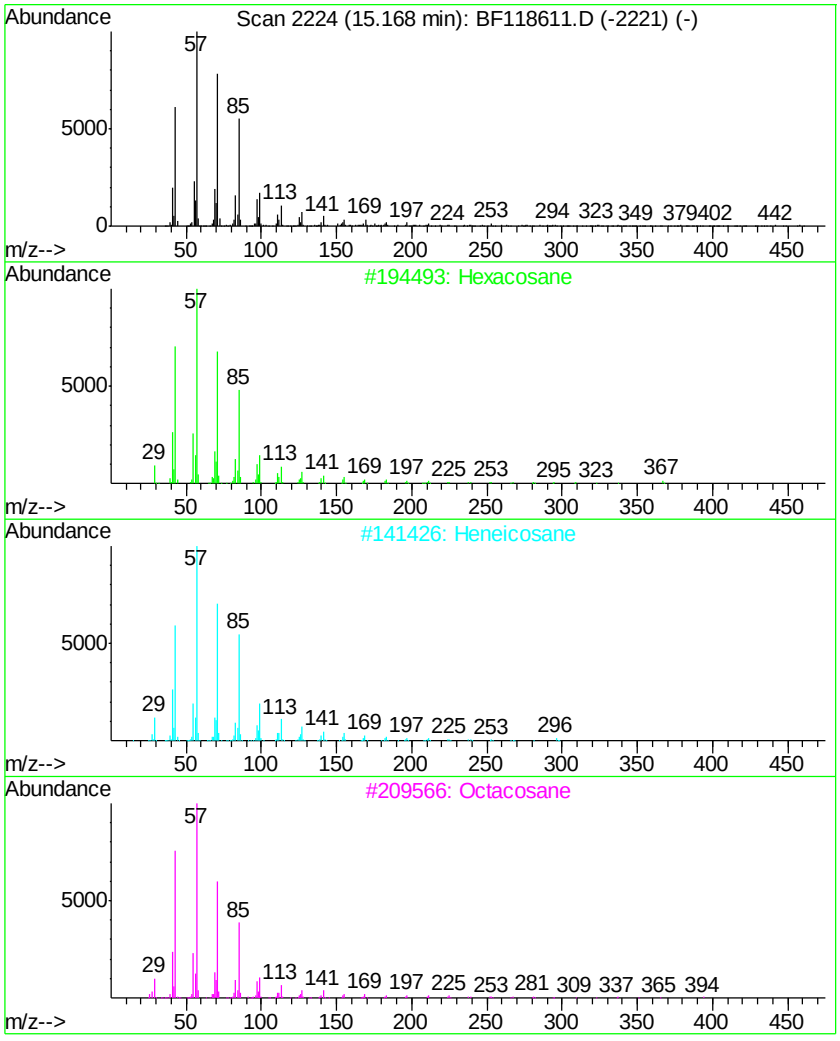
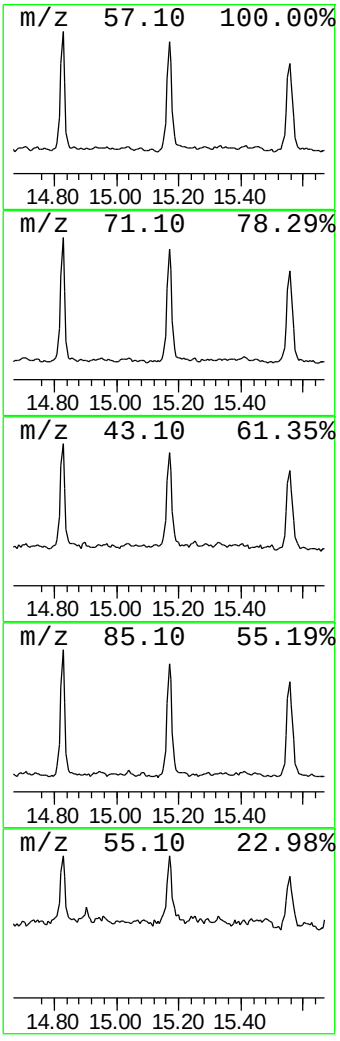
Peak Number 10 Hexacosane Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.17 | 9.99 ng | 1082650 | Perylene-d12 | 15.51 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexacosane | 366 | C26H54 | 000630-01-3 | 91 |
| 2 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 3 | Octacosane | 394 | C28H58 | 000630-02-4 | 91 |
| 4 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 91 |
| 5 | 2-methyloctacosane | 408 | C29H60 | 1000376-72-8 | 91 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
Data File : BF118611.D
Acq On : 21 Jan 2020 00:35
Operator : CG/JU
Sample : L1164-06
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** QVD-SB-01-0-52

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.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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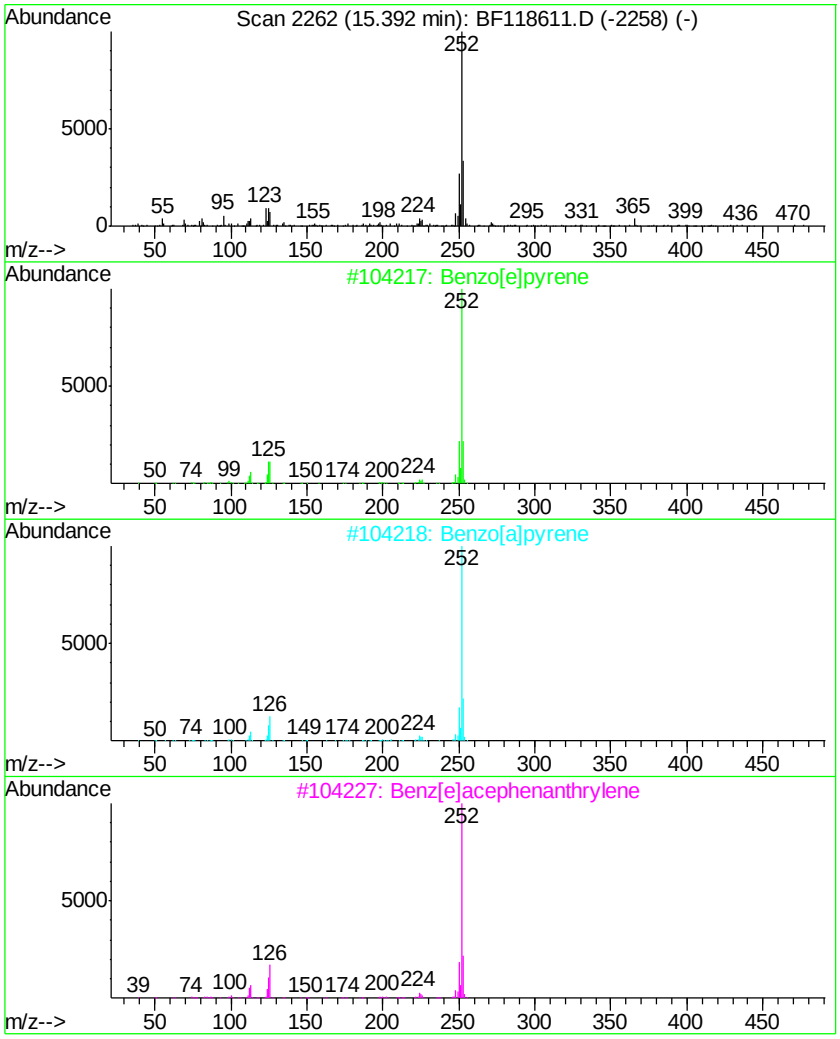
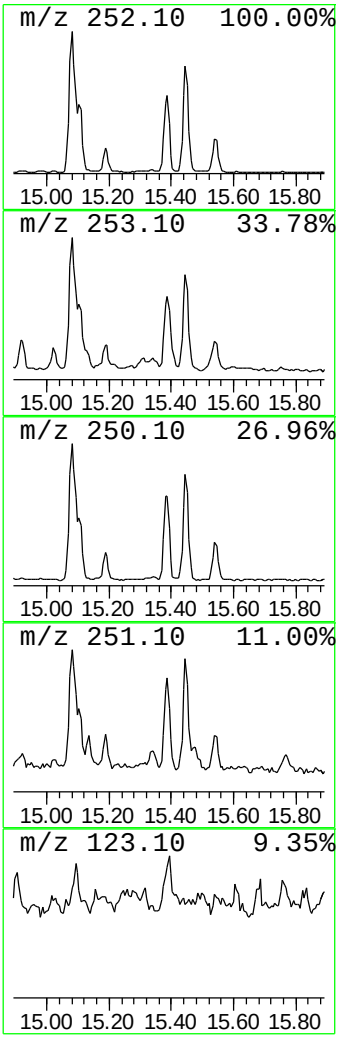
Peak Number 11 Benzo[e]pyrene Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.39 | 3.96 ng | 429430 | Perylene-d12 | 15.51 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 98 |
| 2 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 93 |
| 3 | Benz[e]acephenanthrylene | 252 | C20H12 | 000205-99-2 | 93 |
| 4 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 92 |
| 5 | Perylene | 252 | C20H12 | 000198-55-0 | 90 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
Data File : BF118611.D
Acq On : 21 Jan 2020 00:35
Operator : CG/JU
Sample : L1164-06
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** QVD-SB-01-0-52

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.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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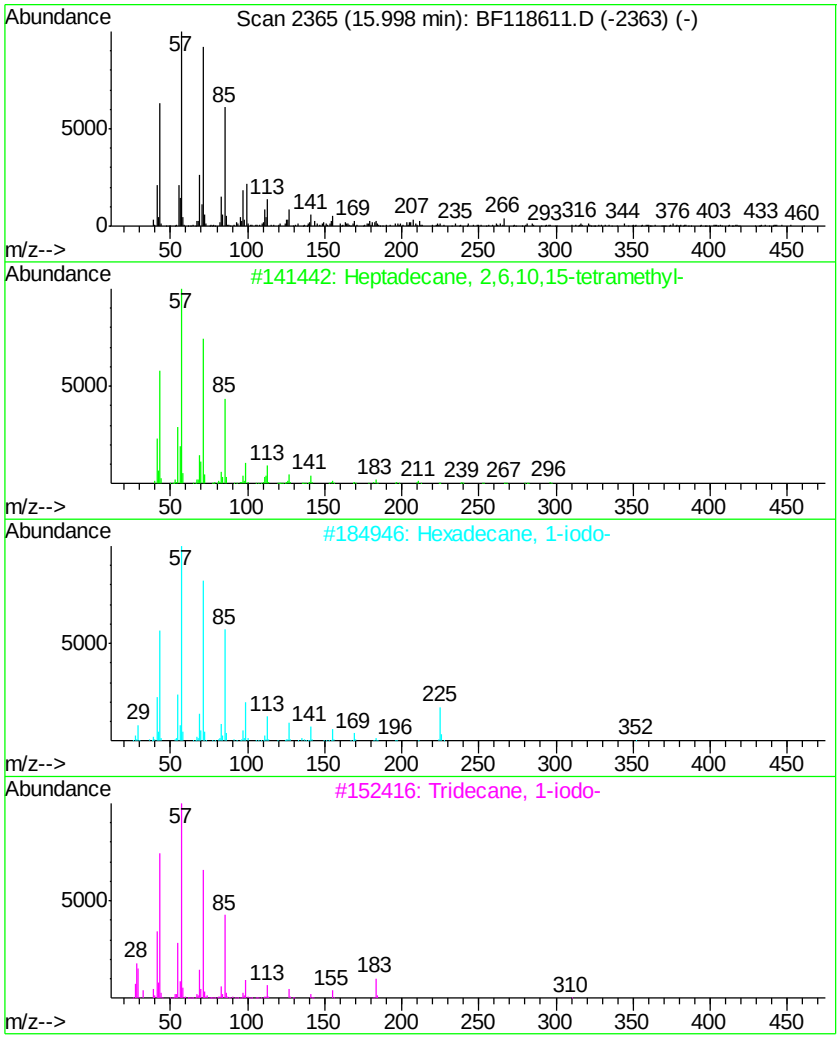
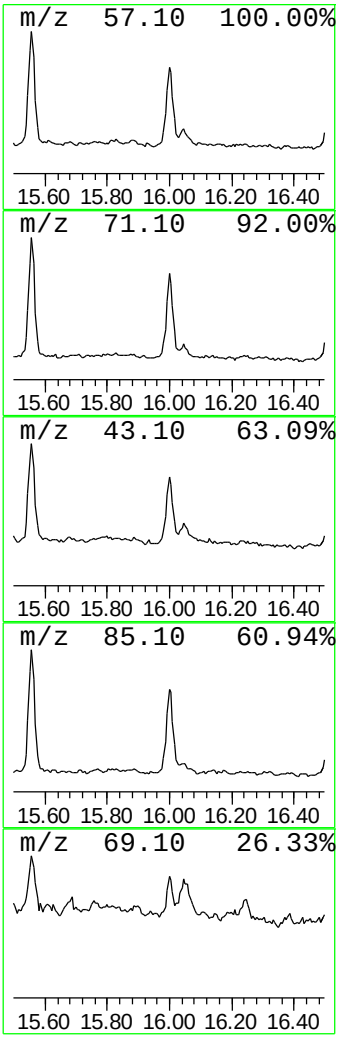
Peak Number 12 Heptadecane, 2,6,10,15-tetr... Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.00 | 3.12 ng | 337517 | Perylene-d12 | 15.51 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44 | 054833-48-6 | 91 |
| 2 | Hexadecane, 1-iodo- | 352 | C16H33I | 000544-77-4 | 90 |
| 3 | Tridecane, 1-iodo- | 310 | C13H27I | 035599-77-0 | 89 |
| 4 | Tetracosane | 338 | C24H50 | 000646-31-1 | 87 |
| 5 | Octadecane, 2,6,10,14-tetramethyl- | 310 | C22H46 | 054964-82-8 | 87 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF012020\
Data File : BF118611.D
Acq On : 21 Jan 2020 00:35
Operator : CG/JU
Sample : L1164-06
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** QVD-SB-01-0-52

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.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... | 2.22 | 22.8 | ng | 3284700 | 1 | 6.88 | 2885760 | 20.0 |
| 2-Pentanone, 4-hy... | 5.10 | 14.7 | ng | 2114970 | 1 | 6.88 | 2885760 | 20.0 |
| unknown6.65 | 6.65 | 70.2 | ng | 10133400 | 1 | 6.88 | 2885760 | 20.0 |
| n-Hexadecanoic acid | 11.93 | 3.5 | ng | 522047 | 4 | 11.40 | 2975130 | 20.0 |
| Cyclopentadecane | 13.88 | 8.6 | ng | 1565490 | 5 | 14.04 | 3650840 | 20.0 |
| Dodecane, 1-iodo- | 14.21 | 2.6 | ng | 482585 | 5 | 14.04 | 3650840 | 20.0 |
| Octadecane | 14.52 | 4.0 | ng | 727190 | 5 | 14.04 | 3650840 | 20.0 |
| Eicosane, 9-octyl- | 14.83 | 6.6 | ng | 711296 | 6 | 15.51 | 2166760 | 20.0 |
| Hexacosane | 15.17 | 10.0 | ng | 1082650 | 6 | 15.51 | 2166760 | 20.0 |
| Benzo[e]pyrene | 15.39 | 4.0 | ng | 429430 | 6 | 15.51 | 2166760 | 20.0 |
| Heptadecane, 2,6,... | 16.00 | 3.1 | ng | 337517 | 6 | 15.51 | 2166760 | 20.0 |