LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
Data File : BF118616.D
Acq On : 21 Jan 2020 2:54
Operator : CG/JU
Sample : L1187-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** STOCKPILE

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 | 2.204 | 12 | 20 | 26 | rVB | 2654569 | 3669056 | 32.91% | 3.033% |
| 2 | 5.110 | 505 | 514 | 521 | rVB | 1474764 | 1967547 | 17.65% | 1.626% |
| 3 | 5.510 | 574 | 582 | 585 | rBV | 8917739 | 9323935 | 83.63% | 7.707% |
| 4 | 5.739 | 615 | 621 | 627 | rBV2 | 95074 | 135951 | 1.22% | 0.112% |
| 5 | 6.510 | 745 | 752 | 755 | rBV | 8523192 | 9513208 | 85.33% | 7.863% |
| 6 | 6.657 | 772 | 777 | 780 | rBV | 9290341 | 9525586 | 85.44% | 7.874% |
| 7 | 6.716 | 784 | 787 | 792 | rBV3 | 104004 | 154033 | 1.38% | 0.127% |
| 8 | 6.881 | 812 | 815 | 819 | rBV | 2700709 | 2526535 | 22.66% | 2.088% |
| 9 | 7.039 | 838 | 842 | 846 | rVB | 7872240 | 7483442 | 67.12% | 6.186% |
| 10 | 7.439 | 901 | 910 | 913 | rBV | 5609331 | 5641927 | 50.61% | 4.663% |
| 11 | 8.163 | 1029 | 1033 | 1041 | rBV | 3169671 | 3213009 | 28.82% | 2.656% |
| 12 | 8.233 | 1042 | 1045 | 1047 | rVB | 220611 | 187726 | 1.68% | 0.155% |
| 13 | 8.263 | 1047 | 1050 | 1057 | rVB7 | 80424 | 145972 | 1.31% | 0.121% |
| 14 | 8.345 | 1057 | 1064 | 1066 | rBV4 | 72334 | 134169 | 1.20% | 0.111% |
| 15 | 8.592 | 1103 | 1106 | 1108 | rBV | 299810 | 284945 | 2.56% | 0.236% |
| 16 | 8.716 | 1123 | 1127 | 1131 | rBV5 | 122268 | 156092 | 1.40% | 0.129% |
| 17 | 8.763 | 1132 | 1135 | 1138 | rBV2 | 123256 | 137443 | 1.23% | 0.114% |
| 18 | 9.051 | 1181 | 1184 | 1187 | rBV4 | 94970 | 149703 | 1.34% | 0.124% |
| 19 | 9.192 | 1206 | 1208 | 1212 | rBV | 359086 | 318629 | 2.86% | 0.263% |
| 20 | 9.239 | 1212 | 1216 | 1220 | rBV | 9461332 | 9005478 | 80.78% | 7.444% |
| 21 | 9.327 | 1228 | 1231 | 1235 | rBV3 | 333426 | 430946 | 3.87% | 0.356% |
| 22 | 9.633 | 1280 | 1283 | 1288 | rBV3 | 1066270 | 1331333 | 11.94% | 1.100% |
| 23 | 9.780 | 1305 | 1308 | 1310 | rBV | 333626 | 305217 | 2.74% | 0.252% |
| 24 | 9.839 | 1316 | 1318 | 1320 | rBV | 209593 | 152470 | 1.37% | 0.126% |
| 25 | 9.922 | 1326 | 1332 | 1335 | rBV | 3463321 | 3003026 | 26.94% | 2.482% |
| 26 | 10.121 | 1362 | 1366 | 1369 | rVB2 | 198741 | 241617 | 2.17% | 0.200% |
| 27 | 10.469 | 1422 | 1425 | 1432 | rBV3 | 167209 | 229060 | 2.05% | 0.189% |
| 28 | 10.580 | 1441 | 1444 | 1447 | rVB2 | 321138 | 294949 | 2.65% | 0.244% |
| 29 | 10.710 | 1461 | 1466 | 1469 | rBV | 5861182 | 5268200 | 47.25% | 4.355% |
| 30 | 10.845 | 1484 | 1489 | 1495 | rVB | 646299 | 776694 | 6.97% | 0.642% |
| 31 | 11.045 | 1521 | 1523 | 1526 | rBV3 | 126639 | 148637 | 1.33% | 0.123% |
| 32 | 11.310 | 1565 | 1568 | 1572 | rVB2 | 489176 | 536430 | 4.81% | 0.443% |
| 33 | 11.410 | 1581 | 1585 | 1587 | rBV | 2765505 | 2595569 | 23.28% | 2.145% |
| 34 | 11.433 | 1587 | 1589 | 1592 | rVV | 1447154 | 1184463 | 10.62% | 0.979% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
Data File : BF118616.D
Acq On : 21 Jan 2020 2:54
Operator : CG/JU
Sample : L1187-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** STOCKPILE

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 | 11.480 | 1594 | 1597 | 1600 | rVB | 564784 | 488610 | 4.38% | 0.404% |
| 36 | 11.704 | 1632 | 1635 | 1638 | rVB | 646058 | 496341 | 4.45% | 0.410% |
| 37 | 11.910 | 1668 | 1670 | 1672 | rBV | 336406 | 287263 | 2.58% | 0.237% |
| 38 | 11.939 | 1672 | 1675 | 1678 | rVB | 1757451 | 1497714 | 13.43% | 1.238% |
| 39 | 12.021 | 1686 | 1689 | 1692 | rBV | 624733 | 716320 | 6.43% | 0.592% |
| 40 | 12.204 | 1718 | 1720 | 1722 | rBV | 259413 | 225204 | 2.02% | 0.186% |
| 41 | 12.621 | 1787 | 1791 | 1794 | rBV | 3372323 | 3555332 | 31.89% | 2.939% |
| 42 | 12.674 | 1797 | 1800 | 1804 | rVB3 | 1467372 | 1699512 | 15.24% | 1.405% |
| 43 | 12.721 | 1805 | 1808 | 1810 | rBV2 | 709098 | 784390 | 7.04% | 0.648% |
| 44 | 12.851 | 1826 | 1830 | 1836 | rVB2 | 4012824 | 4909489 | 44.04% | 4.058% |
| 45 | 12.998 | 1851 | 1855 | 1859 | rBV2 | 9483481 | 11148753 | 100.00% | 9.215% |
| 46 | 13.274 | 1899 | 1902 | 1906 | rBV | 8218604 | 7870421 | 70.59% | 6.505% |
| 47 | 13.892 | 2004 | 2007 | 2015 | rVB | 2243887 | 3069094 | 27.53% | 2.537% |
| 48 | 14.051 | 2030 | 2034 | 2037 | rBV2 | 2569680 | 4060940 | 36.43% | 3.357% |

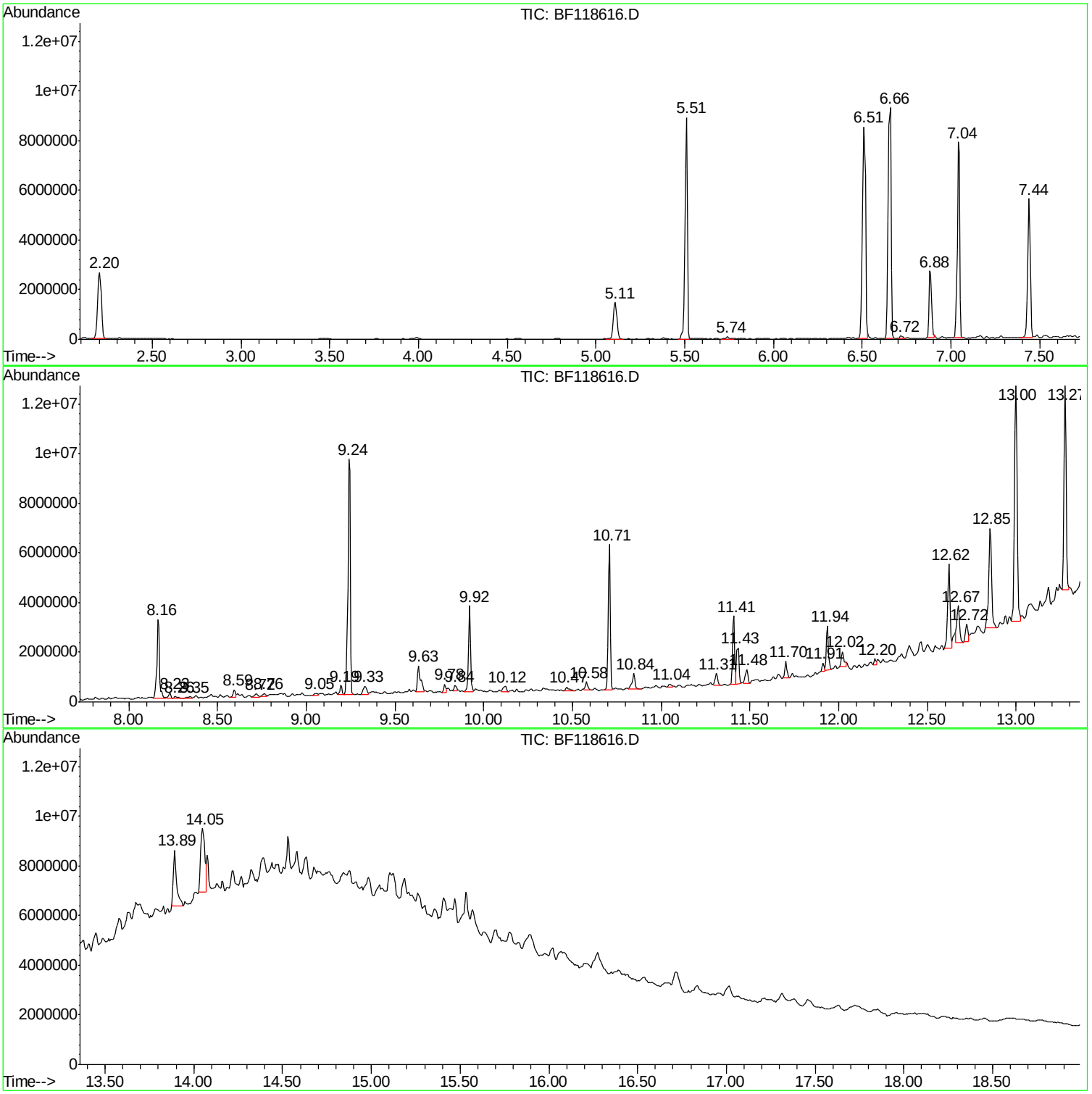
Sum of corrected areas: 120982380

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
Data File : BF118616.D
Acq On : 21 Jan 2020 2:54
Operator : CG/JU
Sample : L1187-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
STOCKPILE

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 : BF118616.D
Acq On : 21 Jan 2020 2:54
Operator : CG/JU
Sample : L1187-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** STOCKPILE

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

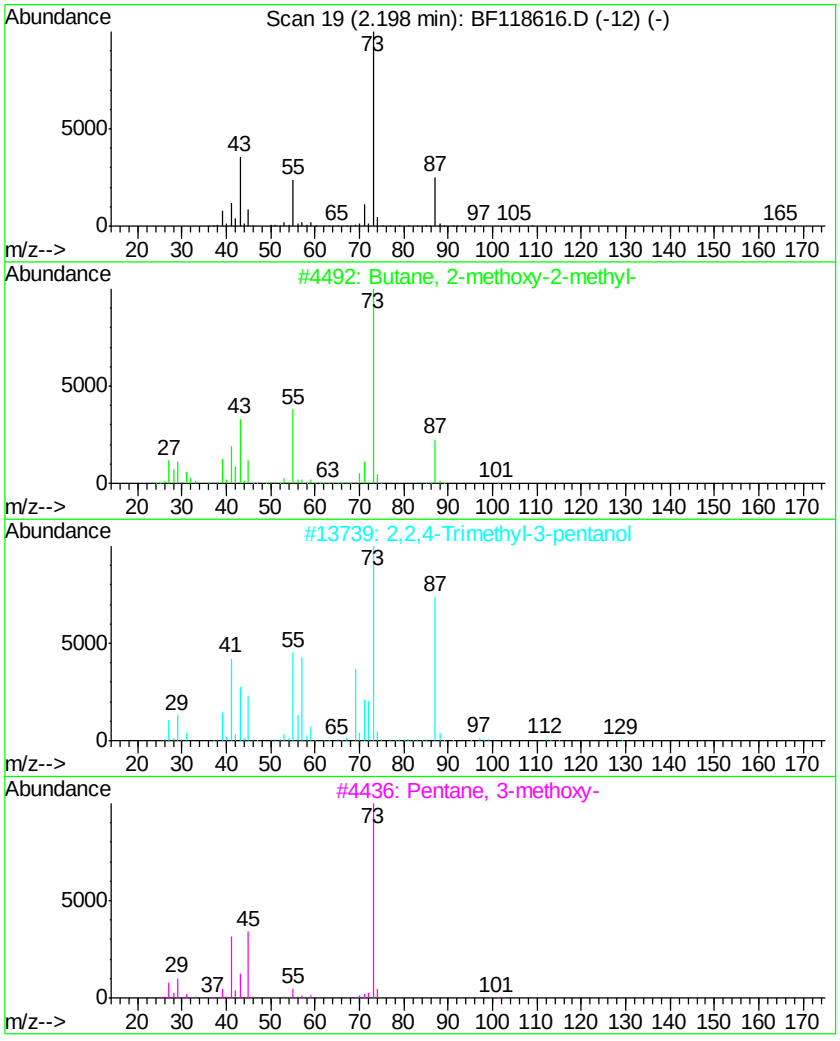
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

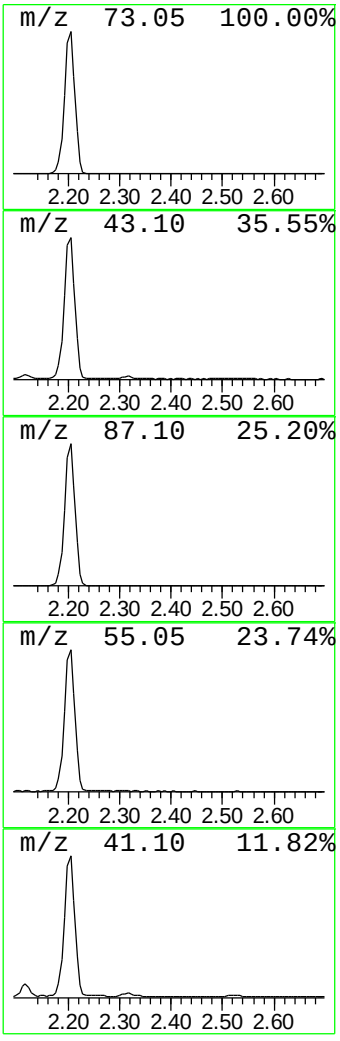
**********

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.20 | 29.04 ng | 3669060 | 1,4-Dichlorobenzene-d4 | 6.89 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 83 |
| 2 | 2,2,4-Trimethyl-3-pentanol | 130 | C8H18O | 005162-48-1 | 39 |
| 3 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 23 |
| 4 | Silane, tetramethyl- | 88 | C4H12Si | 000075-76-3 | 17 |
| 5 | Borane, dimethoxy- | 74 | C2H7BO2 | 004542-61-4 | 9 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
Data File : BF118616.D
Acq On : 21 Jan 2020 2:54
Operator : CG/JU
Sample : L1187-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** STOCKPILE

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

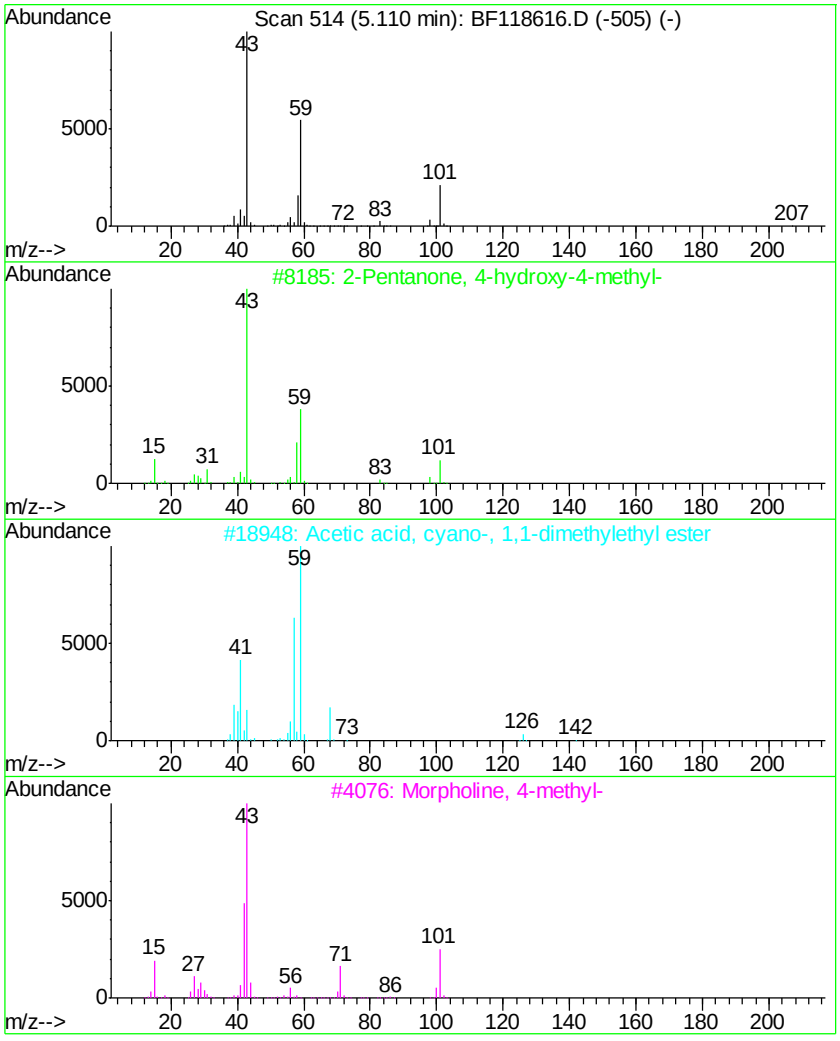
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

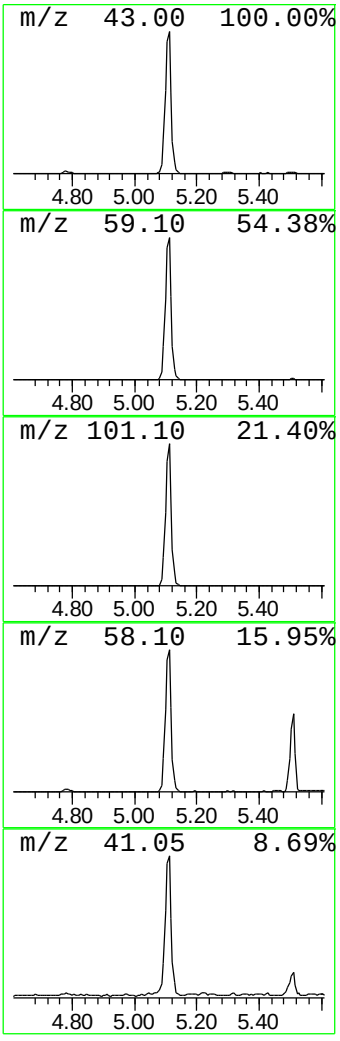
**********

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.11 | 15.58 ng | 1967550 | 1,4-Dichlorobenzene-d4 | 6.89 |

| 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 | 25 |
| 3 | Morpholine, 4-methyl- | 101 | C5H11NO | 000109-02-4 | 9 |
| 4 | 3-Hexanol, 4-methyl- | 116 | C7H16O | 000615-29-2 | 9 |
| 5 | N,N'-Bis(2-methyl-2-nitrosopenta... | 258 | C12H22N2O4 | 094514-30-4 | 9 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
Data File : BF118616.D
Acq On : 21 Jan 2020 2:54
Operator : CG/JU
Sample : L1187-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** STOCKPILE

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

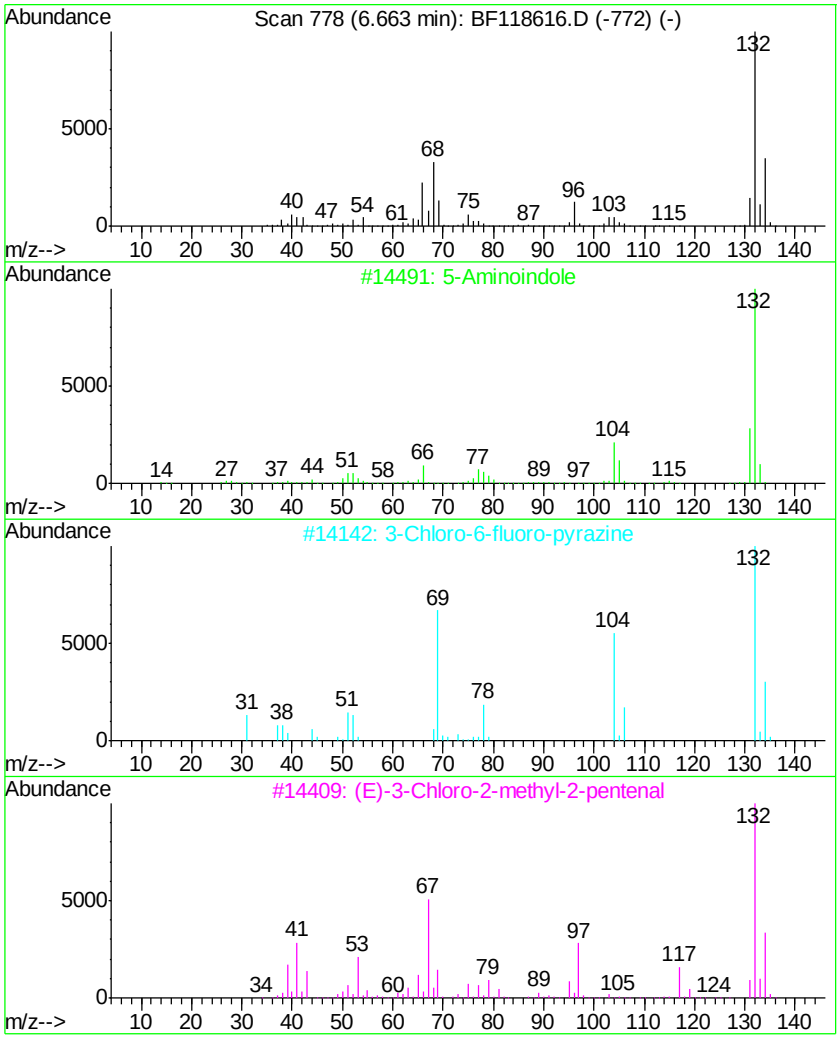
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

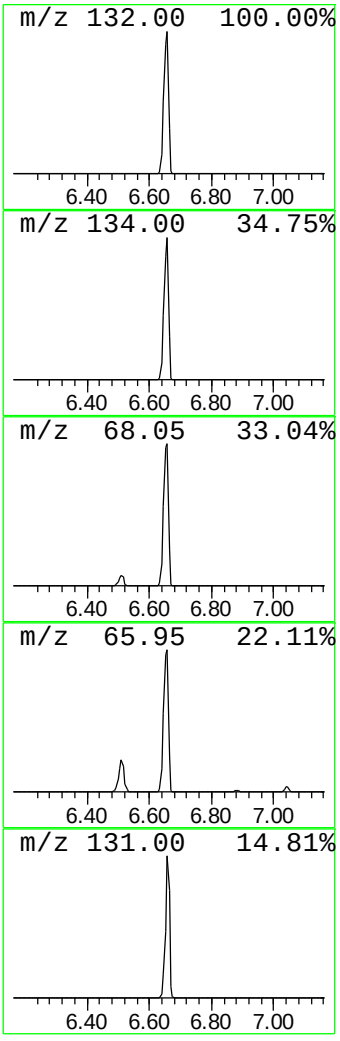
**********

Peak Number 3 unknown6.66 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.66 | 75.40 ng | 9525590 | 1,4-Dichlorobenzene-d4 | 6.89 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 22 |
| 2 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 16 |
| 3 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 16 |
| 4 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 12 |
| 5 | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2 | 022291-85-6 | 10 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
Data File : BF118616.D
Acq On : 21 Jan 2020 2:54
Operator : CG/JU
Sample : L1187-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** STOCKPILE

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

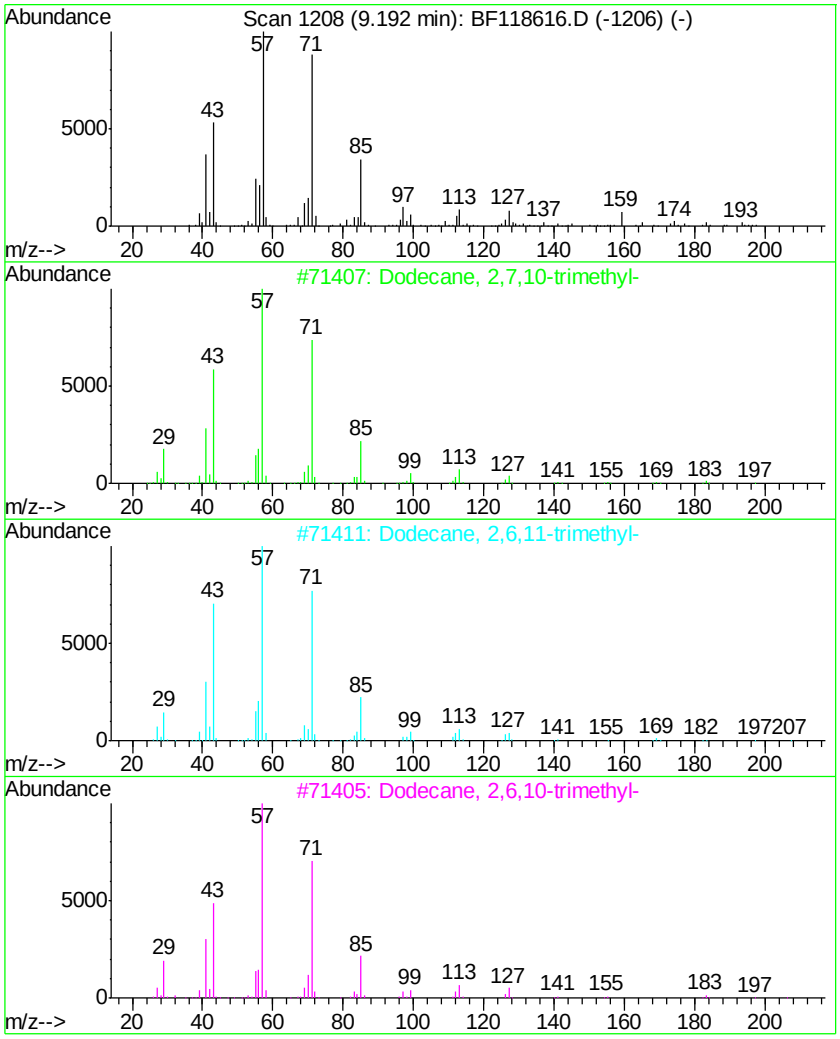
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

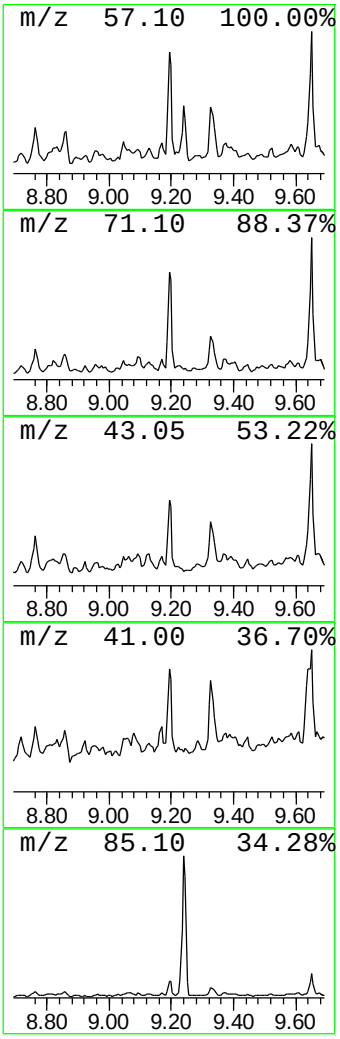
**********

Peak Number 5 Dodecane, 2,7,10-trimethyl- Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.19 | 2.12 ng | 318629 | Acenaphthene-d10 | 9.92 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dodecane, 2,7,10-trimethyl- | 212 | C15H32 | 074645-98-0 | 86 |
| 2 | Dodecane, 2,6,11-trimethyl- | 212 | C15H32 | 031295-56-4 | 78 |
| 3 | Dodecane, 2,6,10-trimethyl- | 212 | C15H32 | 003891-98-3 | 72 |
| 4 | Nonane, 2,6-dimethyl- | 156 | C11H24 | 017302-28-2 | 64 |
| 5 | Undecane, 3,5-dimethyl- | 184 | C13H28 | 017312-81-1 | 64 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
Data File : BF118616.D
Acq On : 21 Jan 2020 2:54
Operator : CG/JU
Sample : L1187-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** STOCKPILE

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

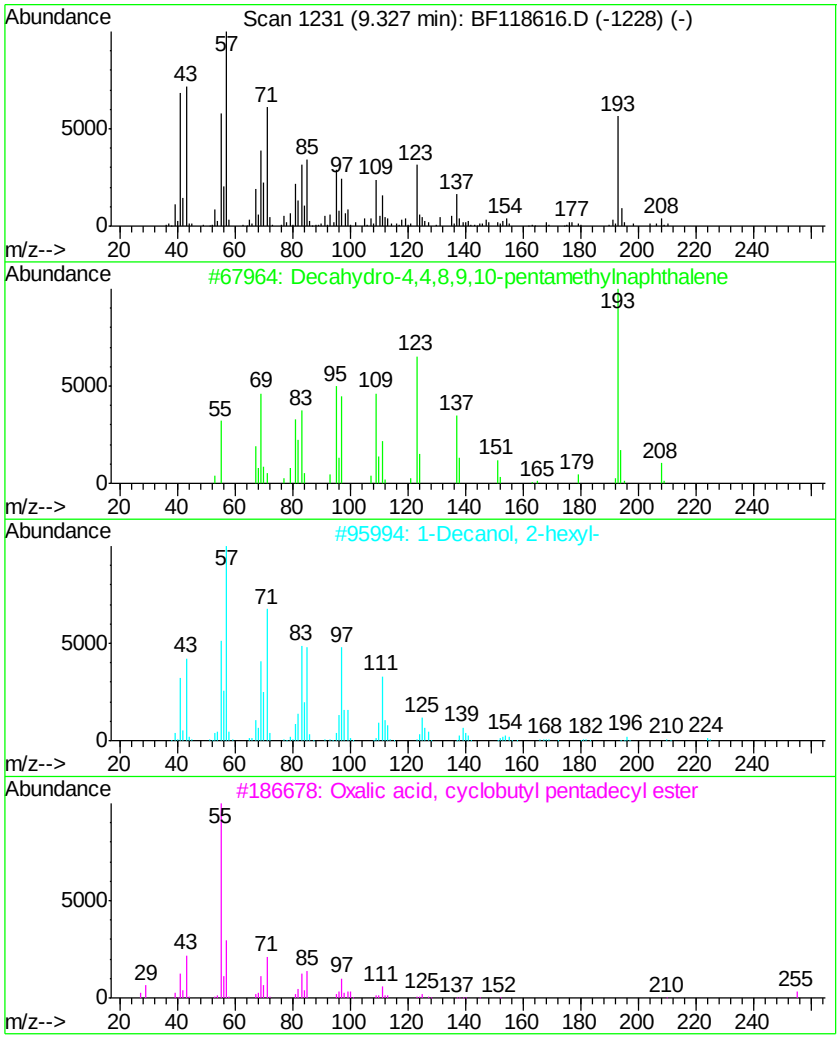
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

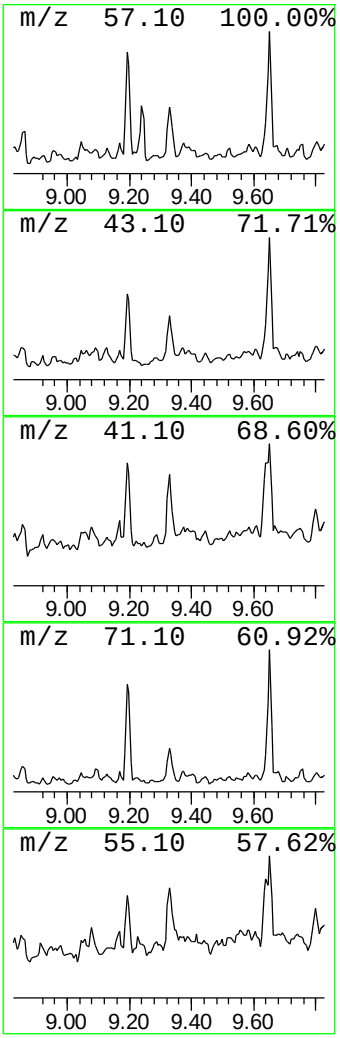
**********

Peak Number 6 unknown9.33 Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.33 | 2.87 ng | 430946 | Acenaphthene-d10 | 9.92 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Decahydro-4,4,8,9,10-pentamethyl... | 208 | C15H28 | 080655-44-3 | 41 |
| 2 | 1-Decanol, 2-hexyl- | 242 | C16H34O | 002425-77-6 | 38 |
| 3 | Oxalic acid, cyclobutyl pentadec... | 354 | C21H38O4 | 1000309-70-5 | 38 |
| 4 | 1-Dodecanol, 2-hexyl- | 270 | C18H38O | 110225-00-8 | 38 |
| 5 | Oxalic acid, cyclobutyl hexadecy... | 368 | C22H40O4 | 1000309-70-6 | 38 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
Data File : BF118616.D
Acq On : 21 Jan 2020 2:54
Operator : CG/JU
Sample : L1187-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** STOCKPILE

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

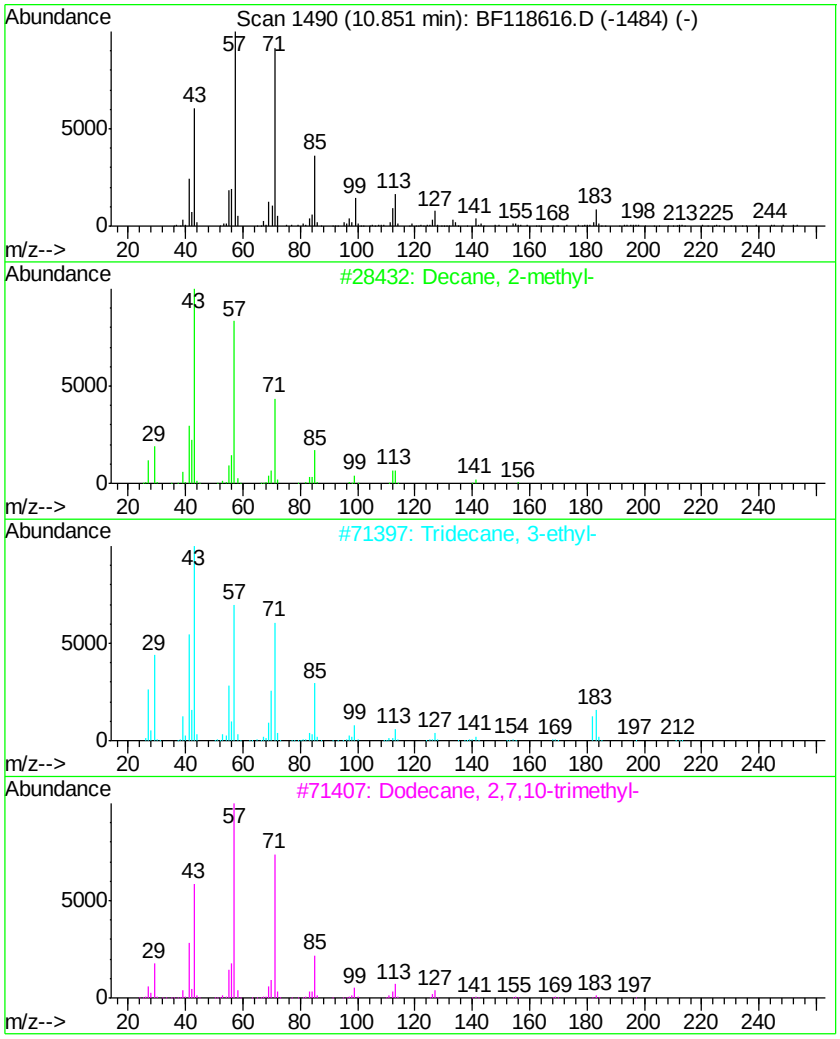
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

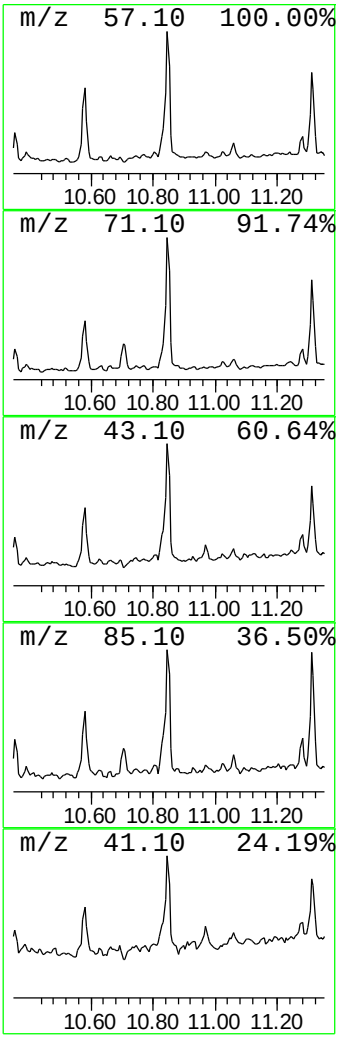
**********

Peak Number 7 Decane, 2-methyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.85 | 5.98 ng | 776694 | Phenanthrene-d10 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Decane, 2-methyl- | 156 | C11H24 | 006975-98-0 | 90 |
| 2 | Tridecane, 3-ethyl- | 212 | C15H32 | 013286-73-2 | 87 |
| 3 | Dodecane, 2,7,10-trimethyl- | 212 | C15H32 | 074645-98-0 | 86 |
| 4 | Decane, 3,7-dimethyl- | 170 | C12H26 | 017312-54-8 | 83 |
| 5 | Dodecane, 4,6-dimethyl- | 198 | C14H30 | 061141-72-8 | 83 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
Data File : BF118616.D
Acq On : 21 Jan 2020 2:54
Operator : CG/JU
Sample : L1187-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** STOCKPILE

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

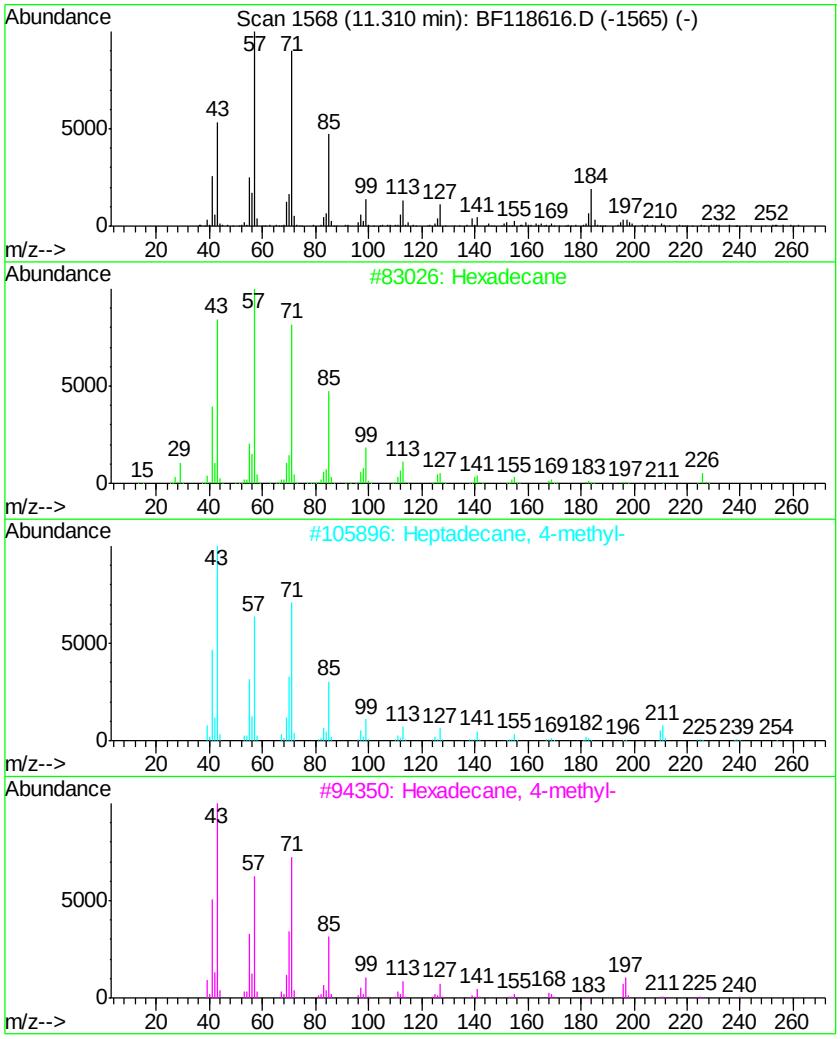
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

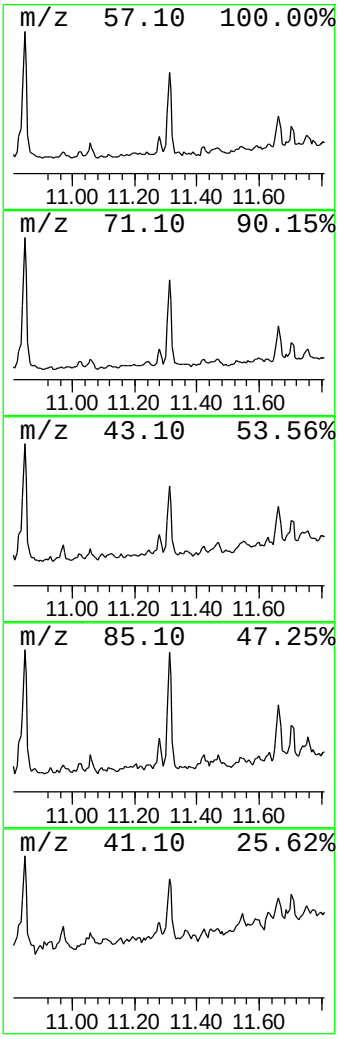
**********

Peak Number 8 Hexadecane Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.31 | 4.13 ng | 536430 | Phenanthrene-d10 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane | 226 | C16H34 | 000544-76-3 | 90 |
| 2 | Heptadecane, 4-methyl- | 254 | C18H38 | 026429-11-8 | 87 |
| 3 | Hexadecane, 4-methyl- | 240 | C17H36 | 025117-26-4 | 80 |
| 4 | Tetracosane | 338 | C24H50 | 000646-31-1 | 80 |
| 5 | Heneicosane | 296 | C21H44 | 000629-94-7 | 80 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
Data File : BF118616.D
Acq On : 21 Jan 2020 2:54
Operator : CG/JU
Sample : L1187-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** STOCKPILE

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

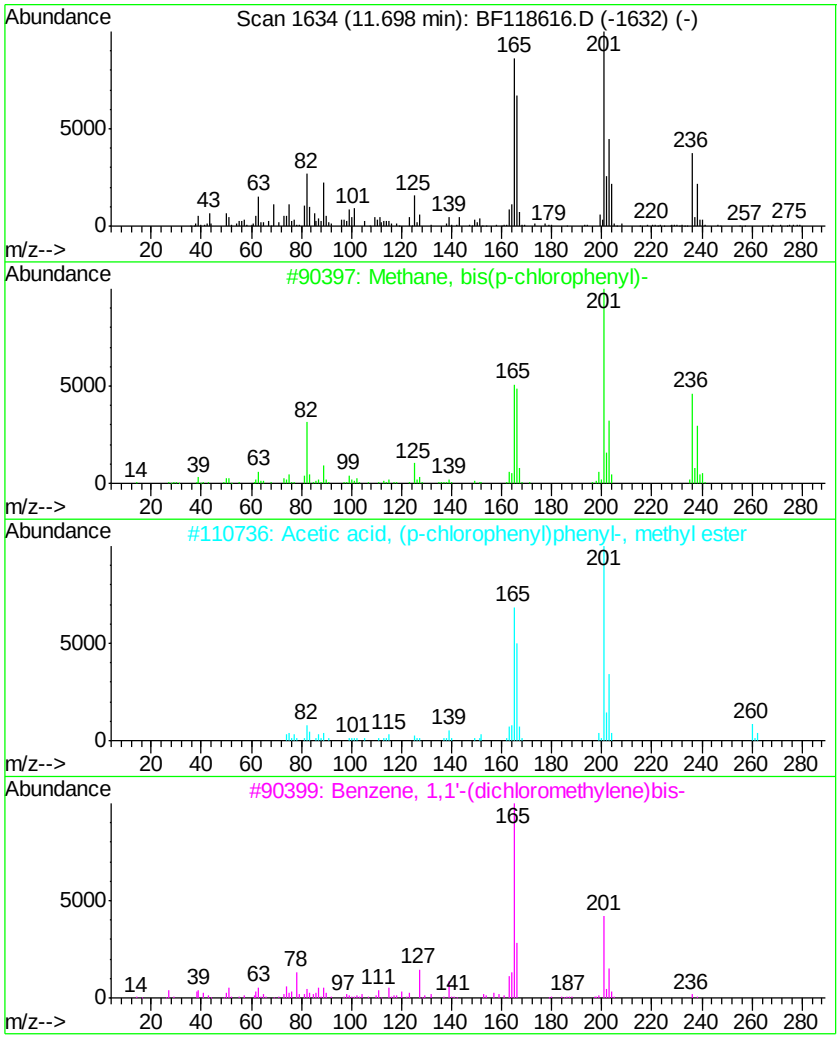
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

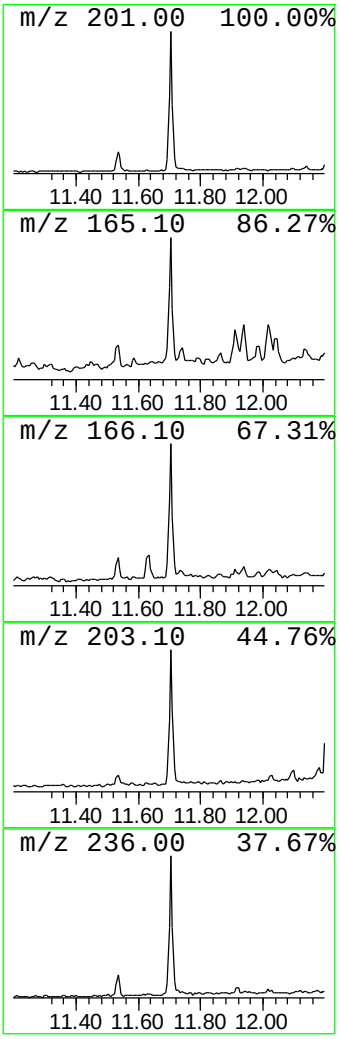
**********

Peak Number 9 Methane, bis(p-chlorophenyl)- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.70 | 3.82 ng | 496341 | Phenanthrene-d10 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Methane, bis(p-chlorophenyl)- | 236 | C13H10Cl2 | 000101-76-8 | 91 |
| 2 | Acetic acid, (p-chlorophenyl)phe... | 260 | C15H13ClO2 | 005359-46-6 | 53 |
| 3 | Benzene, 1,1'-(dichloromethylene... | 236 | C13H10Cl2 | 002051-90-3 | 40 |
| 4 | Benzene, 1-chloro-4-(2,2-dichlor... | 284 | C14H11Cl3 | 006952-08-5 | 38 |
| 5 | 2(3H)-Benzothiazolethione, 5-chl... | 201 | C7H4ClNS2 | 005331-91-9 | 38 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
Data File : BF118616.D
Acq On : 21 Jan 2020 2:54
Operator : CG/JU
Sample : L1187-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** STOCKPILE

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

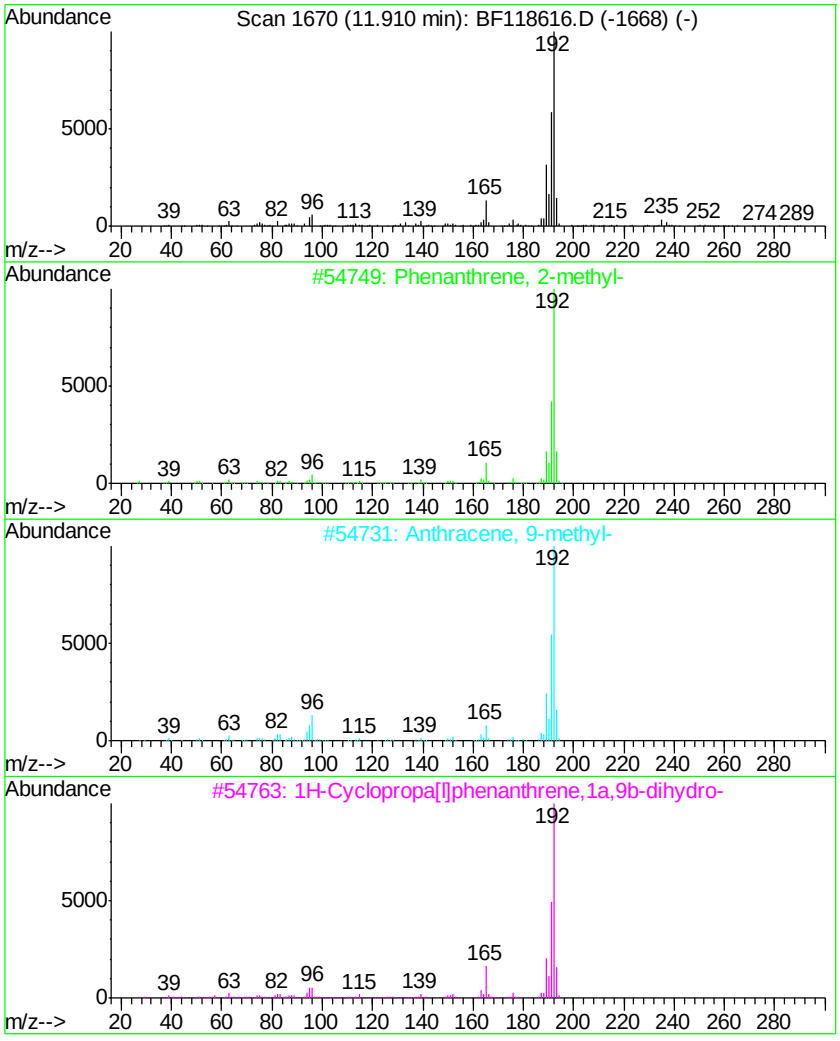
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

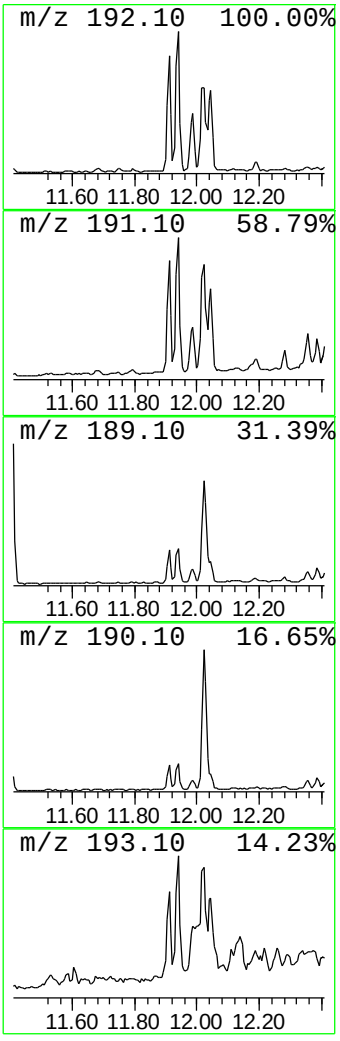
**********

Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.91 | 2.21 ng | 287263 | Phenanthrene-d10 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 93 |
| 2 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 91 |
| 3 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 91 |
| 4 | Phenanthrene, 3-methyl- | 192 | C15H12 | 000832-71-3 | 87 |
| 5 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 87 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
Data File : BF118616.D
Acq On : 21 Jan 2020 2:54
Operator : CG/JU
Sample : L1187-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** STOCKPILE

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

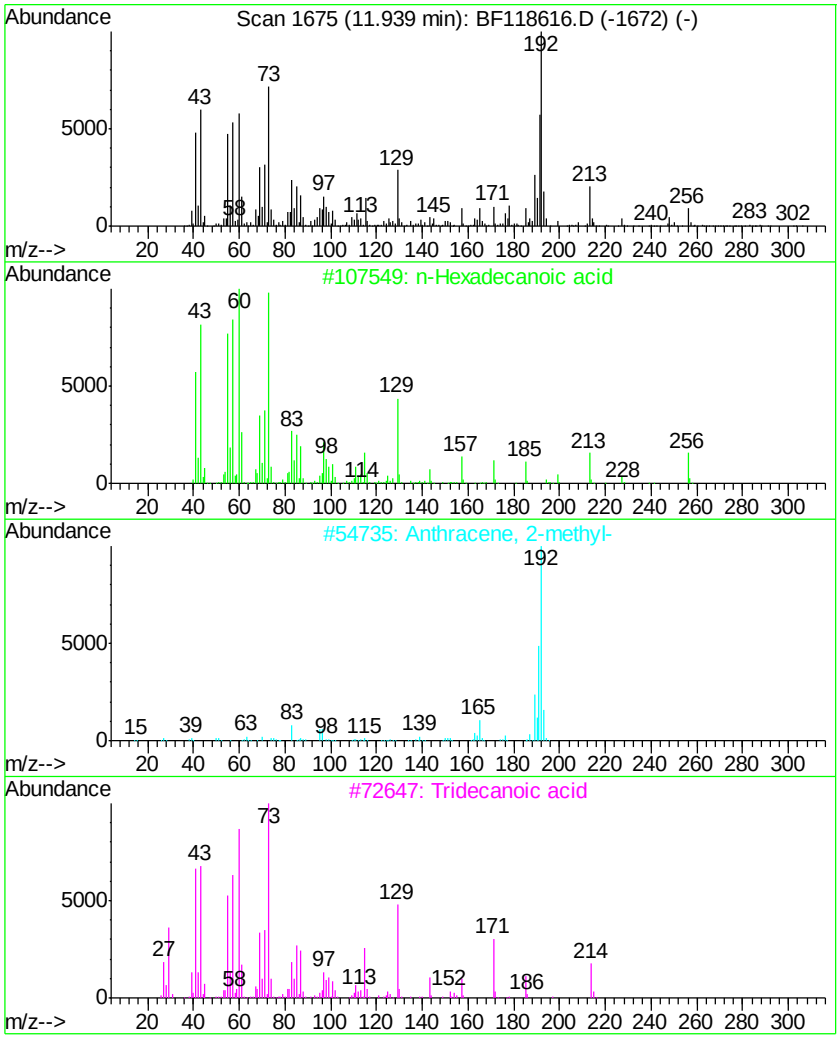
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

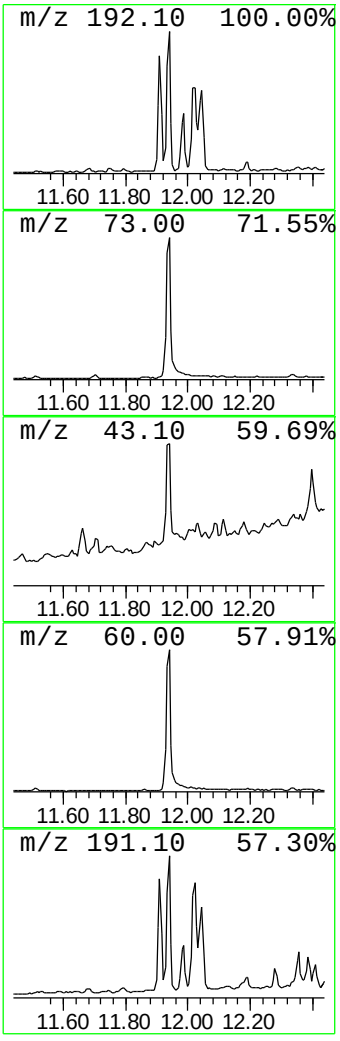
**********

Peak Number 11 n-Hexadecanoic acid Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.94 | 11.54 ng | 1497710 | Phenanthrene-d10 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 94 |
| 2 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 89 |
| 3 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 68 |
| 4 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 66 |
| 5 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 66 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
Data File : BF118616.D
Acq On : 21 Jan 2020 2:54
Operator : CG/JU
Sample : L1187-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** STOCKPILE

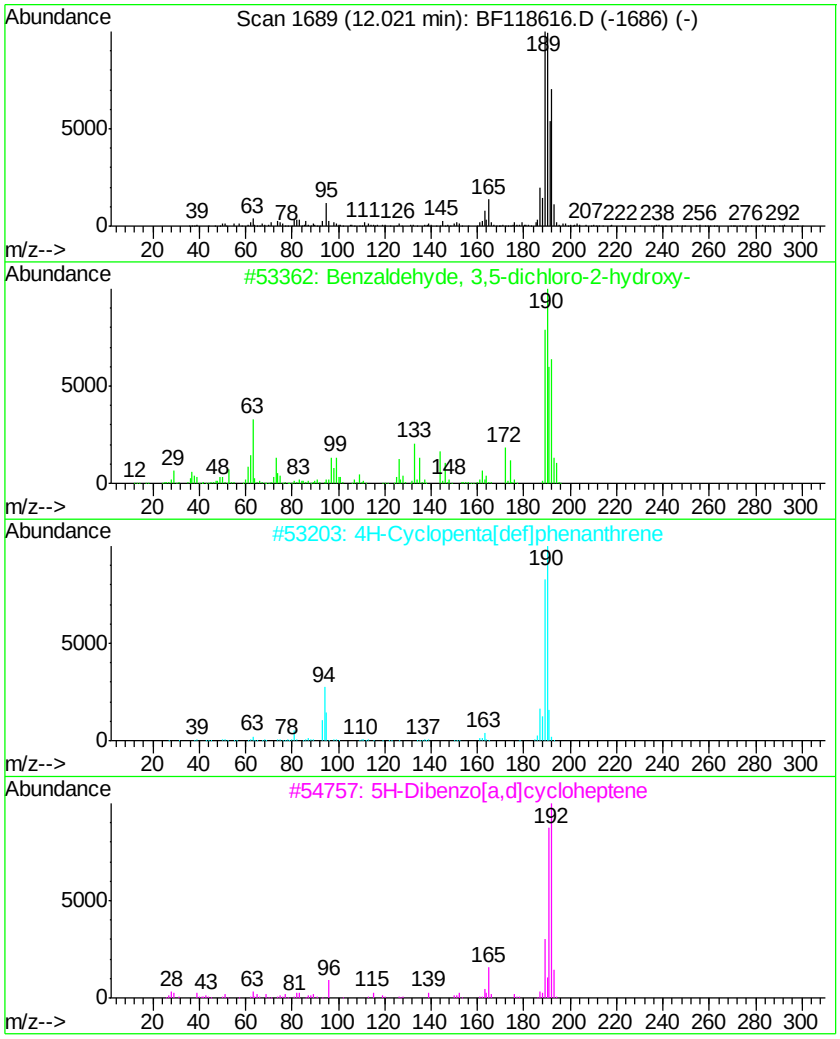
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

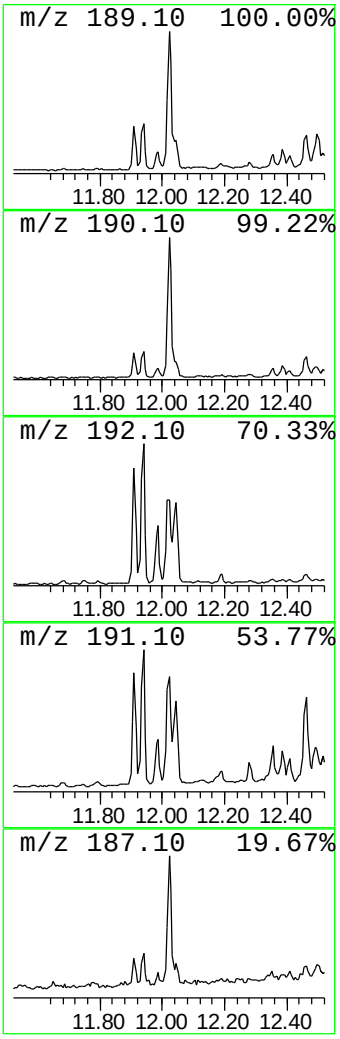
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 12 Benzaldehyde, 3,5-dichloro-... Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.02 | 5.52 ng | 716320 | Phenanthrene-d10 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzaldehyde, 3,5-dichloro-2-hyd... | 190 | C7H4Cl2O2 | 000090-60-8 | 72 |
| 2 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 58 |
| 3 | 5H-Dibenzo[a,d]cycloheptene | 192 | C15H12 | 000256-81-5 | 38 |
| 4 | Phenanthrene, 4-methyl- | 192 | C15H12 | 000832-64-4 | 38 |
| 5 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 35 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
Data File : BF118616.D
Acq On : 21 Jan 2020 2:54
Operator : CG/JU
Sample : L1187-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** STOCKPILE

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

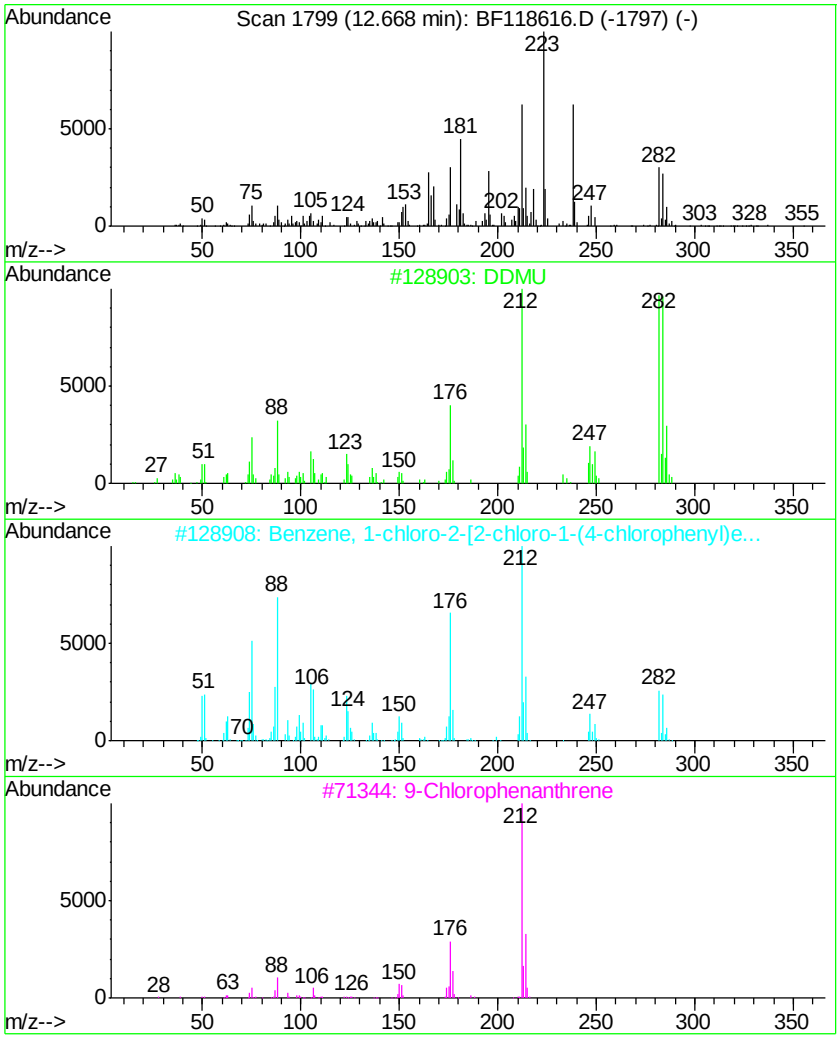
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

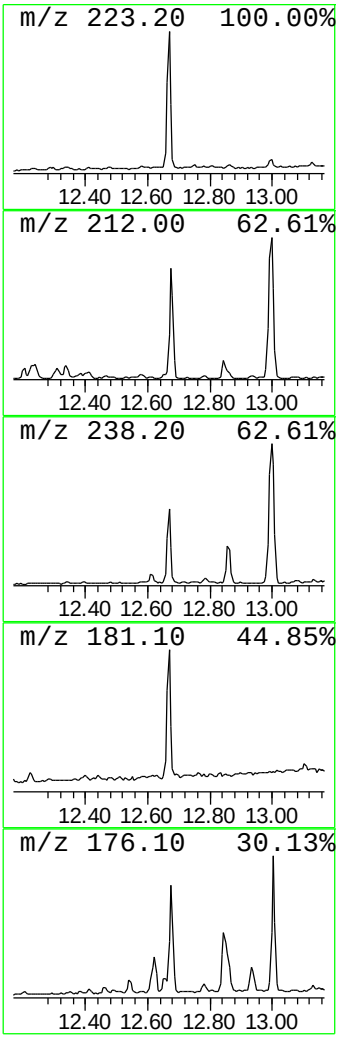
**********

Peak Number 13 DDMU Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.67 | 13.10 ng | 1699510 | Phenanthrene-d10 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | DDMU | 282 | C14H9Cl3 | 001022-22-6 | 95 |
| 2 | Benzene, 1-chloro-2-[2-chloro-1-... | 282 | C14H9Cl3 | 014835-94-0 | 95 |
| 3 | 9-Chlorophenanthrene | 212 | C14H9Cl | 000947-72-8 | 56 |
| 4 | Anthracene, 1-chloro- | 212 | C14H9Cl | 004985-70-0 | 56 |
| 5 | Anthracene, 2-chloro- | 212 | C14H9Cl | 017135-78-3 | 55 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
Data File : BF118616.D
Acq On : 21 Jan 2020 2:54
Operator : CG/JU
Sample : L1187-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** STOCKPILE

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

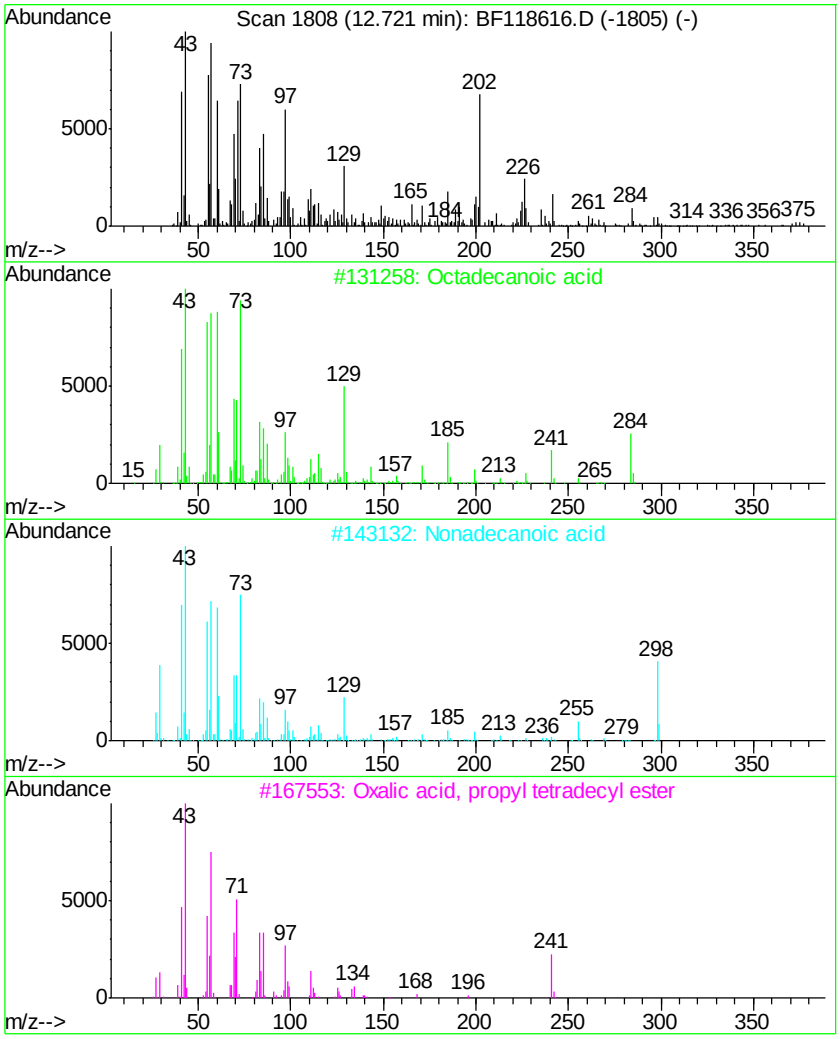
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

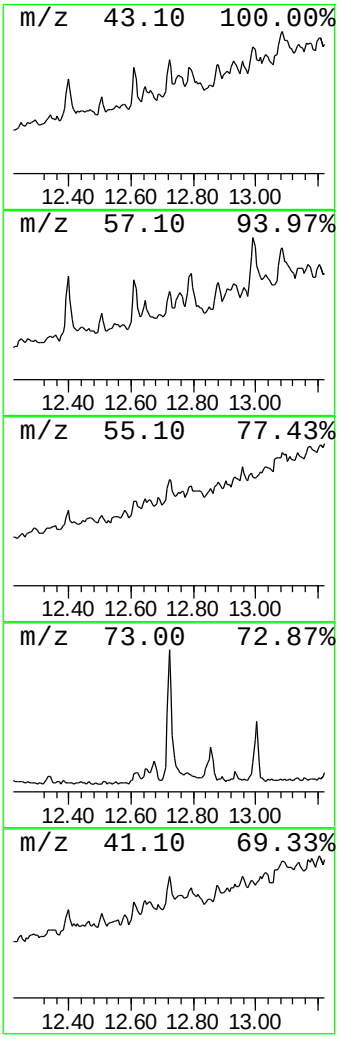
**********

Peak Number 14 Octadecanoic acid Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.72 | 6.04 ng | 784390 | Phenanthrene-d10 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 86 |
| 2 | Nonadecanoic acid | 298 | C19H38O2 | 000646-30-0 | 51 |
| 3 | Oxalic acid, propyl tetradecyl e... | 328 | C19H36O4 | 1000309-26-7 | 41 |
| 4 | Hexatriacontyl pentafluoropropio... | 669 | C39H73F5O2 | 1000351-89-0 | 41 |
| 5 | 2- Chloropropionic acid, hexadec... | 332 | C19H37ClO2 | 086711-81-1 | 38 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
Data File : BF118616.D
Acq On : 21 Jan 2020 2:54
Operator : CG/JU
Sample : L1187-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** STOCKPILE

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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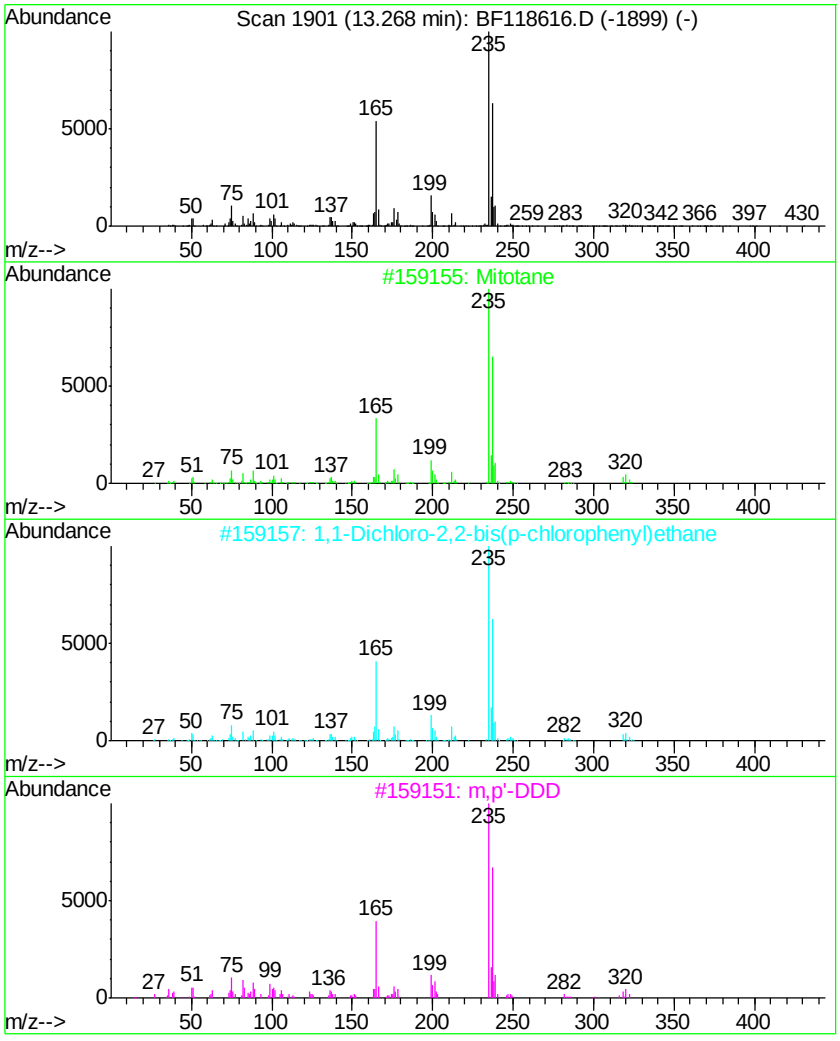
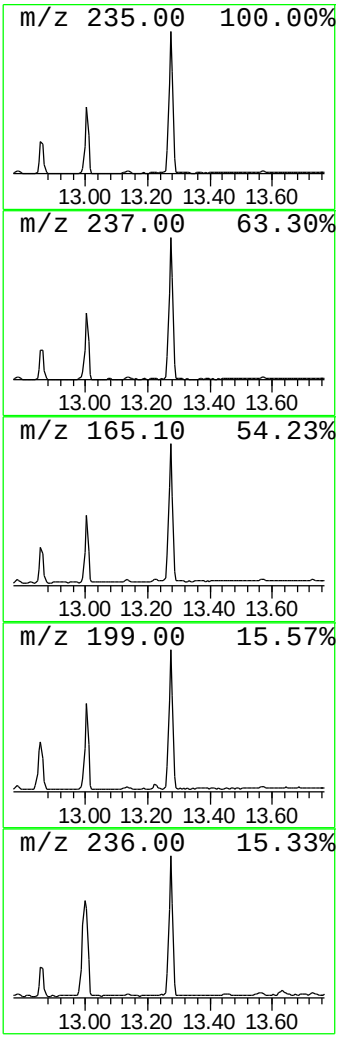
Peak Number 15 Mitotane Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.27 | 38.76 ng | 7870420 | Chrysene-d12 | 14.05 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Mitotane | 318 | C14H10Cl4 | 000053-19-0 | 99 |
| 2 | 1,1-Dichloro-2,2-bis(p-chlorophe... | 318 | C14H10Cl4 | 000072-54-8 | 95 |
| 3 | m,p'-DDD | 318 | C14H10Cl4 | 004329-12-8 | 94 |
| 4 | 2,2-Bis(p-chlorophenyl)ethanol | 266 | C14H12Cl2O | 002642-82-2 | 91 |
| 5 | p,p'-DDT | 352 | C14H9Cl5 | 000050-29-3 | 90 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
Data File : BF118616.D
Acq On : 21 Jan 2020 2:54
Operator : CG/JU
Sample : L1187-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** STOCKPILE

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

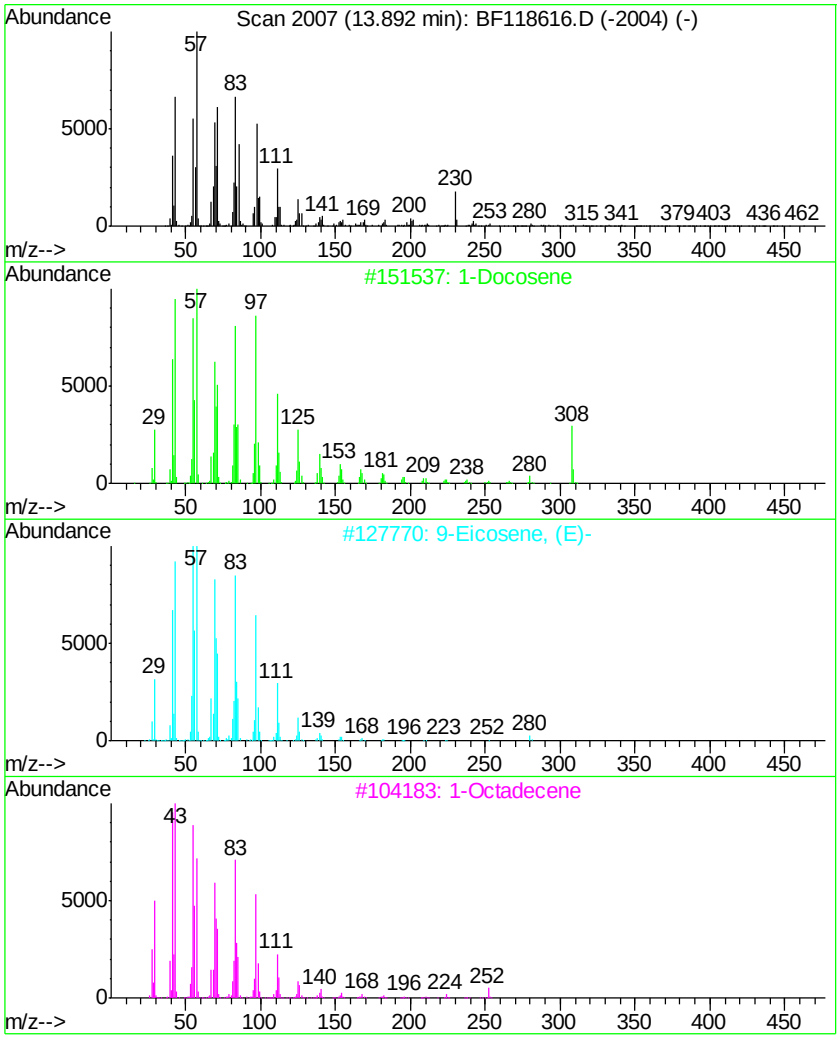
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

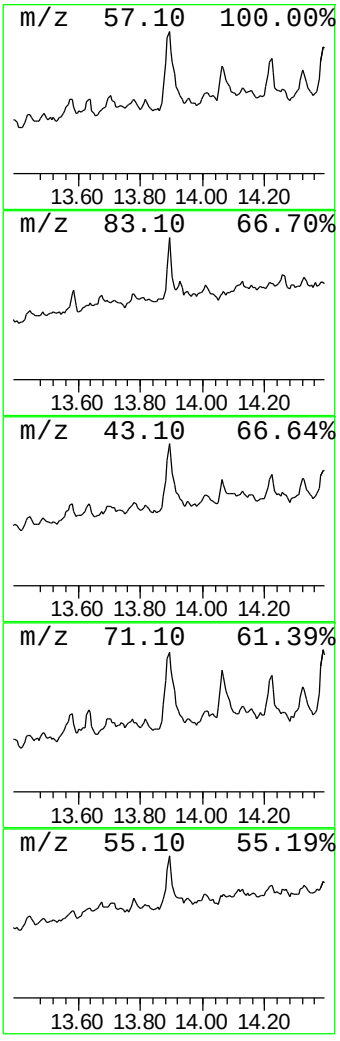
**********

Peak Number 16 1-Docosene Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.89 | 15.12 ng | 3069090 | Chrysene-d12 | 14.05 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Docosene | 308 | C22H44 | 001599-67-3 | 97 |
| 2 | 9-Eicosene, (E)- | 280 | C20H40 | 074685-29-3 | 93 |
| 3 | 1-Octadecene | 252 | C18H36 | 000112-88-9 | 92 |
| 4 | 1-Dodecanol, 2-octyl- | 298 | C20H42O | 005333-42-6 | 91 |
| 5 | Ethanol, 2-(tetradecyloxy)- | 258 | C16H34O2 | 002136-70-1 | 90 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF012020\
Data File : BF118616.D
Acq On : 21 Jan 2020 2:54
Operator : CG/JU
Sample : L1187-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** STOCKPILE

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... | 2.20 | 29.0 | ng | 3669060 | 1 | 6.89 | 2526540 | 20.0 |
| 2-Pentanone, 4-hy... | 5.11 | 15.6 | ng | 1967550 | 1 | 6.89 | 2526540 | 20.0 |
| unknown6.66 | 6.66 | 75.4 | ng | 9525590 | 1 | 6.89 | 2526540 | 20.0 |
| Dodecane, 2,7,10-... | 9.19 | 2.1 | ng | 318629 | 3 | 9.92 | 3003030 | 20.0 |
| unknown9.33 | 9.33 | 2.9 | ng | 430946 | 3 | 9.92 | 3003030 | 20.0 |
| Decane, 2-methyl- | 10.85 | 6.0 | ng | 776694 | 4 | 11.41 | 2595570 | 20.0 |
| Hexadecane | 11.31 | 4.1 | ng | 536430 | 4 | 11.41 | 2595570 | 20.0 |
| Methane, bis(p-ch... | 11.70 | 3.8 | ng | 496341 | 4 | 11.41 | 2595570 | 20.0 |
| Phenanthrene, 2-m... | 11.91 | 2.2 | ng | 287263 | 4 | 11.41 | 2595570 | 20.0 |
| n-Hexadecanoic acid | 11.94 | 11.5 | ng | 1497710 | 4 | 11.41 | 2595570 | 20.0 |
| Benzaldehyde, 3,5... | 12.02 | 5.5 | ng | 716320 | 4 | 11.41 | 2595570 | 20.0 |
| DDMU | 12.67 | 13.1 | ng | 1699510 | 4 | 11.41 | 2595570 | 20.0 |
| Octadecanoic acid | 12.72 | 6.0 | ng | 784390 | 4 | 11.41 | 2595570 | 20.0 |
| Mitotane | 13.27 | 38.8 | ng | 7870420 | 5 | 14.05 | 4060940 | 20.0 |
| 1-Docosene | 13.89 | 15.1 | ng | 3069090 | 5 | 14.05 | 4060940 | 20.0 |