LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092718\
Data File : BF109400.D
Acq On : 27 Sep 2018 21:02
Operator : JU/SJ
Sample : J5077-05
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PARCEL-193-092418-1

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-BF092218.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 | 4.892 | 474 | 477 | 486 | rBV | 55021 | 75179 | 3.62% | 0.335% |
| 2 | 5.316 | 545 | 549 | 552 | rBV | 1829601 | 1651764 | 79.53% | 7.362% |
| 3 | 6.345 | 719 | 724 | 727 | rBV | 1911027 | 1750812 | 84.30% | 7.803% |
| 4 | 6.475 | 742 | 746 | 749 | rBV | 2086134 | 1772409 | 85.34% | 7.900% |
| 5 | 6.704 | 782 | 785 | 789 | rBV | 807340 | 658301 | 31.70% | 2.934% |
| 6 | 6.863 | 808 | 812 | 815 | rBV | 1792560 | 1414336 | 68.10% | 6.304% |
| 7 | 7.263 | 876 | 880 | 884 | rBV | 1163037 | 1123011 | 54.07% | 5.005% |
| 8 | 7.986 | 999 | 1003 | 1007 | rBV | 1028524 | 834284 | 40.17% | 3.718% |
| 9 | 8.686 | 1119 | 1122 | 1129 | rBV | 39396 | 50482 | 2.43% | 0.225% |
| 10 | 9.063 | 1182 | 1186 | 1189 | rBV | 2589890 | 2076877 | 100.00% | 9.257% |
| 11 | 9.457 | 1249 | 1253 | 1256 | rBV | 818330 | 610997 | 29.42% | 2.723% |
| 12 | 9.733 | 1297 | 1300 | 1305 | rBV | 959124 | 884964 | 42.61% | 3.944% |
| 13 | 10.521 | 1430 | 1434 | 1440 | rBV | 1101107 | 1017667 | 49.00% | 4.536% |
| 14 | 11.216 | 1548 | 1552 | 1554 | rBV | 821246 | 755293 | 36.37% | 3.366% |
| 15 | 11.233 | 1554 | 1555 | 1558 | rVB | 97922 | 64400 | 3.10% | 0.287% |
| 16 | 11.716 | 1634 | 1637 | 1639 | rBV | 32686 | 26382 | 1.27% | 0.118% |
| 17 | 11.751 | 1639 | 1643 | 1648 | rVV2 | 137055 | 148955 | 7.17% | 0.664% |
| 18 | 11.821 | 1652 | 1655 | 1658 | rBV | 26653 | 27197 | 1.31% | 0.121% |
| 19 | 12.263 | 1726 | 1730 | 1732 | rBV | 24567 | 25138 | 1.21% | 0.112% |
| 20 | 12.415 | 1753 | 1756 | 1760 | rBV | 161692 | 151030 | 7.27% | 0.673% |
| 21 | 12.533 | 1774 | 1776 | 1781 | rBV3 | 23510 | 28399 | 1.37% | 0.127% |
| 22 | 12.645 | 1790 | 1795 | 1798 | rBV | 167103 | 160084 | 7.71% | 0.713% |
| 23 | 12.792 | 1816 | 1820 | 1824 | rVB | 1673052 | 1492686 | 71.87% | 6.653% |
| 24 | 12.974 | 1849 | 1851 | 1855 | rVB | 28151 | 25068 | 1.21% | 0.112% |
| 25 | 13.039 | 1856 | 1862 | 1865 | rBV3 | 50657 | 68523 | 3.30% | 0.305% |
| 26 | 13.380 | 1917 | 1920 | 1926 | rVB6 | 22612 | 27409 | 1.32% | 0.122% |
| 27 | 13.492 | 1938 | 1939 | 1945 | rVB3 | 30743 | 27121 | 1.31% | 0.121% |
| 28 | 13.586 | 1952 | 1955 | 1957 | rBV2 | 19904 | 25978 | 1.25% | 0.116% |
| 29 | 13.709 | 1973 | 1976 | 1987 | rVB2 | 160209 | 257068 | 12.38% | 1.146% |
| 30 | 13.839 | 1993 | 1998 | 2001 | rBV | 869173 | 874155 | 42.09% | 3.896% |
| 31 | 13.862 | 2001 | 2002 | 2005 | rVB | 92312 | 51347 | 2.47% | 0.229% |
| 32 | 14.021 | 2027 | 2029 | 2032 | rBV3 | 29416 | 27305 | 1.31% | 0.122% |
| 33 | 14.139 | 2047 | 2049 | 2054 | rVB5 | 34811 | 37822 | 1.82% | 0.169% |
| 34 | 14.345 | 2077 | 2084 | 2093 | rBV4 | 170554 | 403734 | 19.44% | 1.799% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092718\
Data File : BF109400.D
Acq On : 27 Sep 2018 21:02
Operator : JU/SJ
Sample : J5077-05
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PARCEL-193-092418-1

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-BF092218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 14.451 | 2099 | 2102 | 2104 | rBV4 | 25362 | 28765 | 1.39% | 0.128% |
| 36 | 14.474 | 2104 | 2106 | 2111 | rVB | 82091 | 79590 | 3.83% | 0.355% |
| 37 | 14.621 | 2128 | 2131 | 2133 | rBV | 51962 | 50523 | 2.43% | 0.225% |
| 38 | 14.686 | 2139 | 2142 | 2146 | rVB | 152814 | 147908 | 7.12% | 0.659% |
| 39 | 14.751 | 2150 | 2153 | 2158 | rVB | 467852 | 431970 | 20.80% | 1.925% |
| 40 | 14.845 | 2166 | 2169 | 2178 | rVB | 80522 | 137386 | 6.62% | 0.612% |
| 41 | 14.933 | 2180 | 2184 | 2187 | rVV | 215848 | 237952 | 11.46% | 1.061% |
| 42 | 14.968 | 2187 | 2190 | 2204 | rVB2 | 215581 | 460576 | 22.18% | 2.053% |
| 43 | 15.121 | 2214 | 2216 | 2220 | rVB | 56383 | 56490 | 2.72% | 0.252% |
| 44 | 15.180 | 2223 | 2226 | 2230 | rVV | 54808 | 57088 | 2.75% | 0.254% |
| 45 | 15.239 | 2232 | 2236 | 2240 | rVV | 447045 | 515528 | 24.82% | 2.298% |
| 46 | 15.286 | 2241 | 2244 | 2247 | rVB | 68194 | 84804 | 4.08% | 0.378% |
| 47 | 15.468 | 2271 | 2275 | 2282 | rVB2 | 149954 | 201990 | 9.73% | 0.900% |
| 48 | 15.686 | 2307 | 2312 | 2317 | rBV | 269280 | 360030 | 17.34% | 1.605% |
| 49 | 16.415 | 2431 | 2436 | 2441 | rVB2 | 79221 | 128957 | 6.21% | 0.575% |
| 50 | 16.686 | 2478 | 2482 | 2490 | rVB2 | 90251 | 183325 | 8.83% | 0.817% |
| 51 | 17.645 | 2641 | 2645 | 2651 | rVB5 | 49505 | 97476 | 4.69% | 0.434% |
| 52 | 17.886 | 2678 | 2686 | 2708 | rVB8 | 127821 | 550018 | 26.48% | 2.451% |

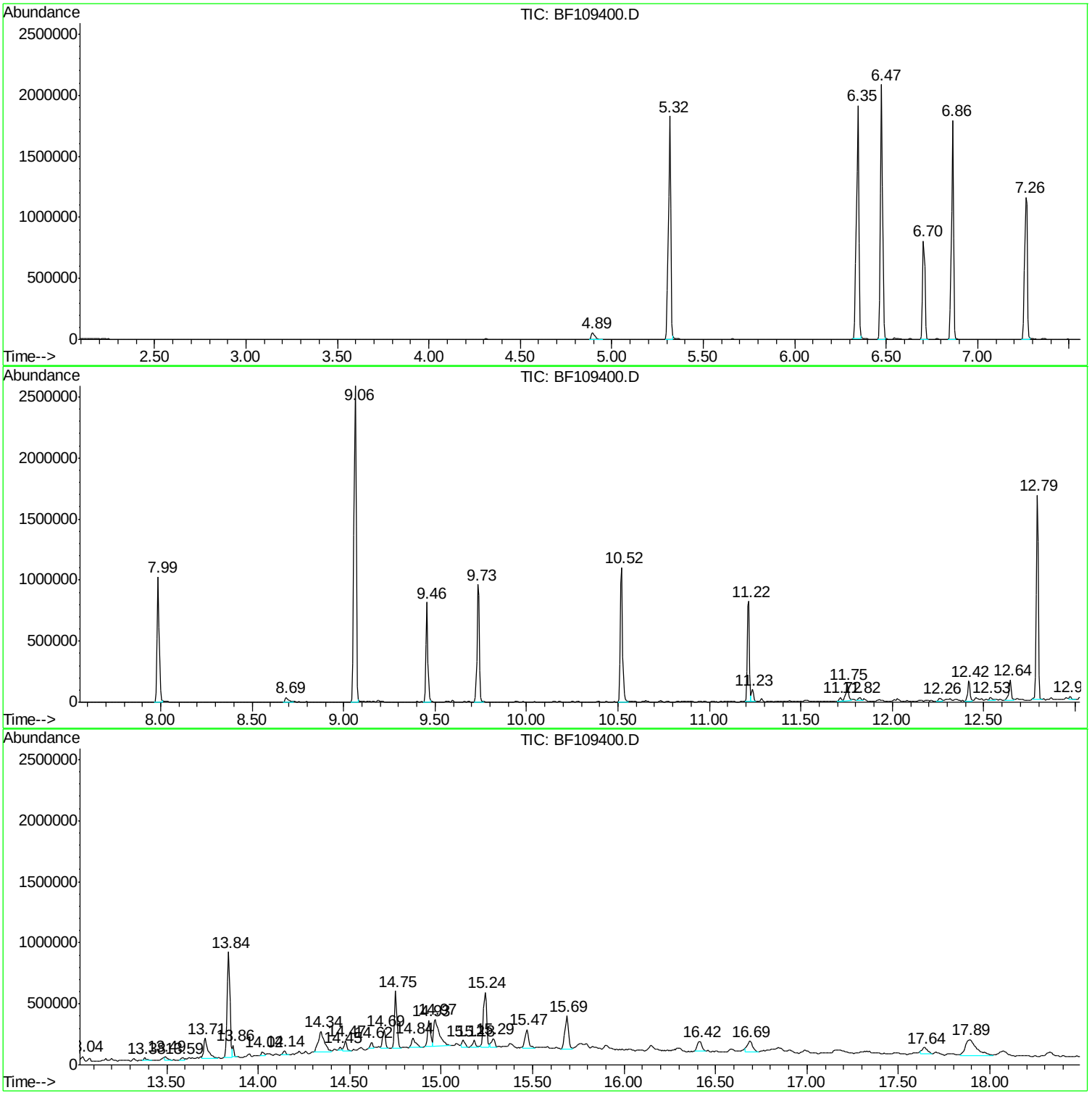
Sum of corrected areas: 22436553

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092718\
Data File : BF109400.D
Acq On : 27 Sep 2018 21:02
Operator : JU/SJ
Sample : J5077-05
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PARCEL-193-092418-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.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\BF092718\
Data File : BF109400.D
Acq On : 27 Sep 2018 21:02
Operator : JU/SJ
Sample : J5077-05
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PARCEL-193-092418-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

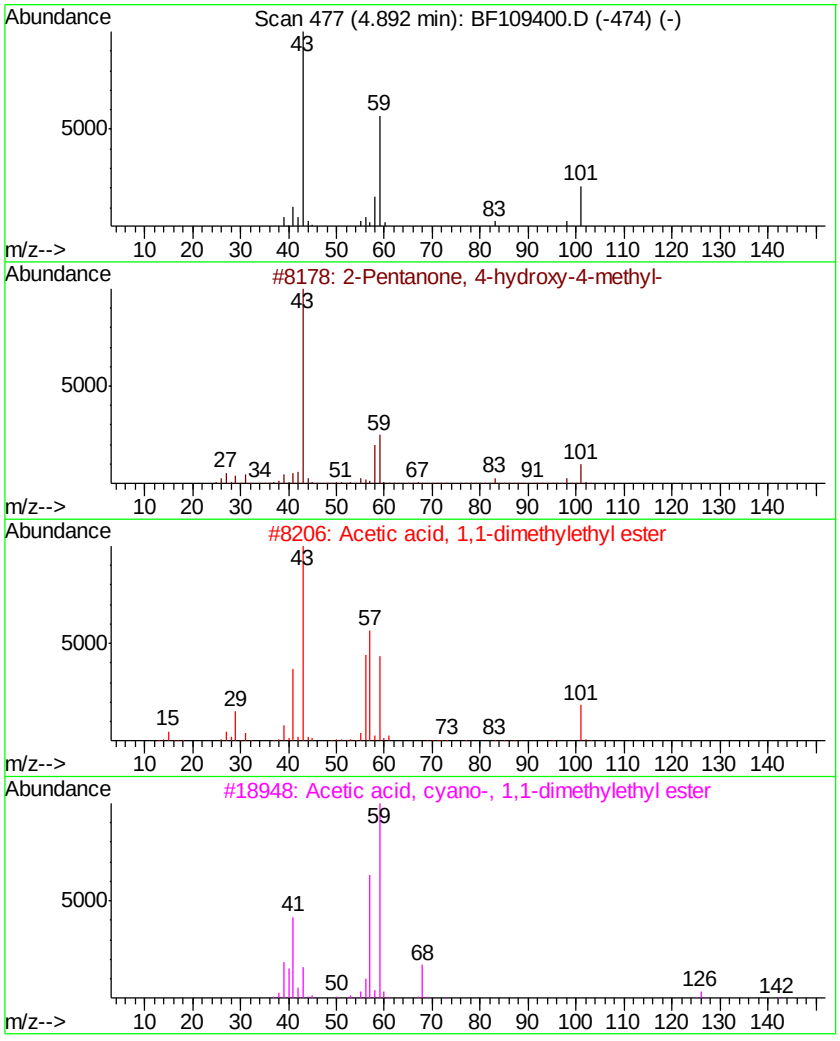
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

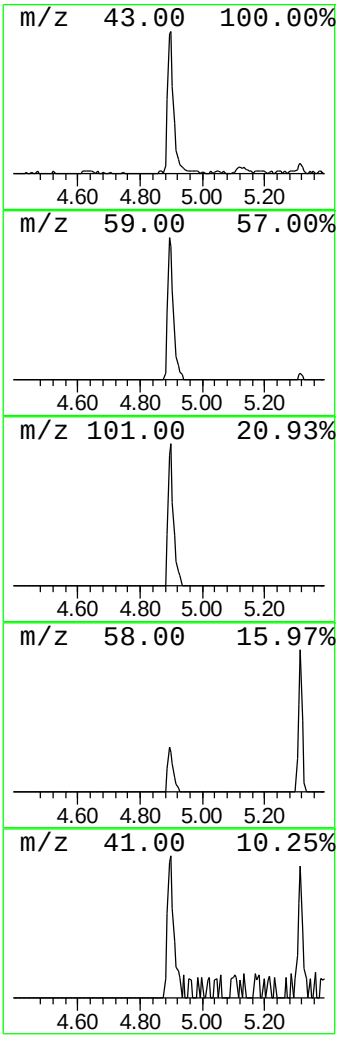
**********

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.89 | 2.28 ng | 75179 | 1,4-Dichlorobenzene-d4 | 6.70 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 56 |
| 2 | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 39 |
| 3 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 17 |
| 4 | 5-Hexen-2-one | 98 | C6H10O | 000109-49-9 | 9 |
| 5 | Ethanone, 1-(2-methylcyclopropyl)- | 98 | C6H10O | 000930-56-3 | 9 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092718\
Data File : BF109400.D
Acq On : 27 Sep 2018 21:02
Operator : JU/SJ
Sample : J5077-05
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PARCEL-193-092418-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

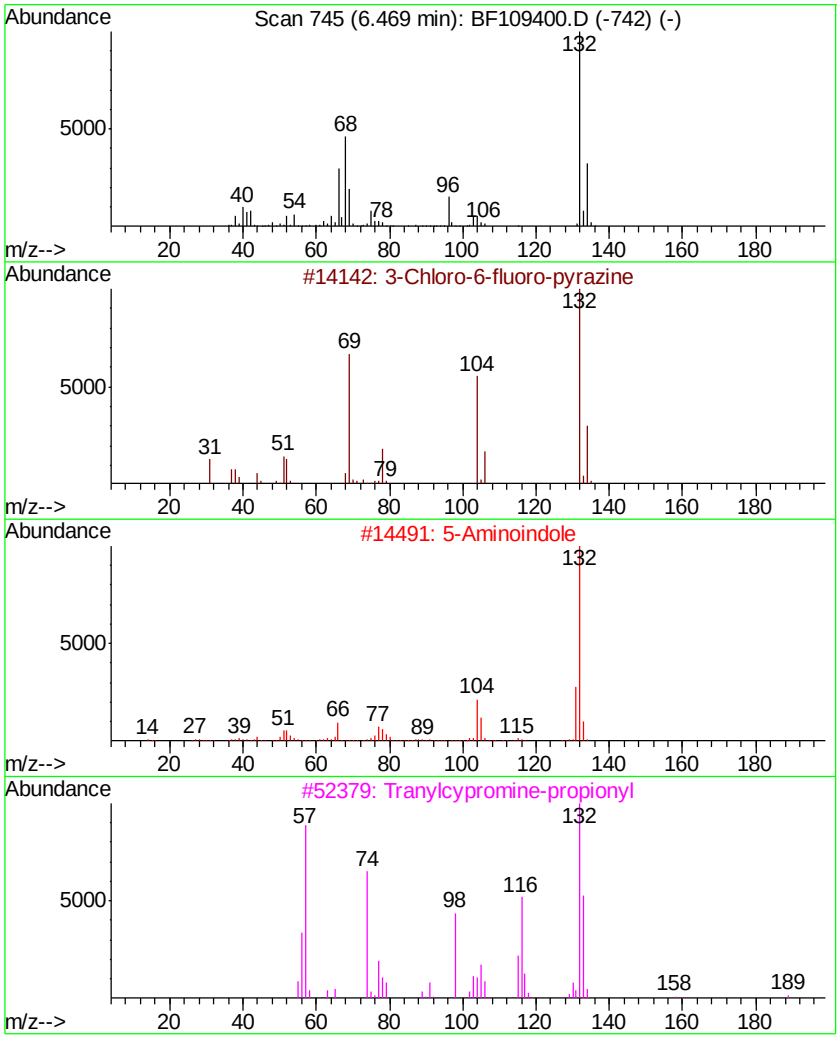
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

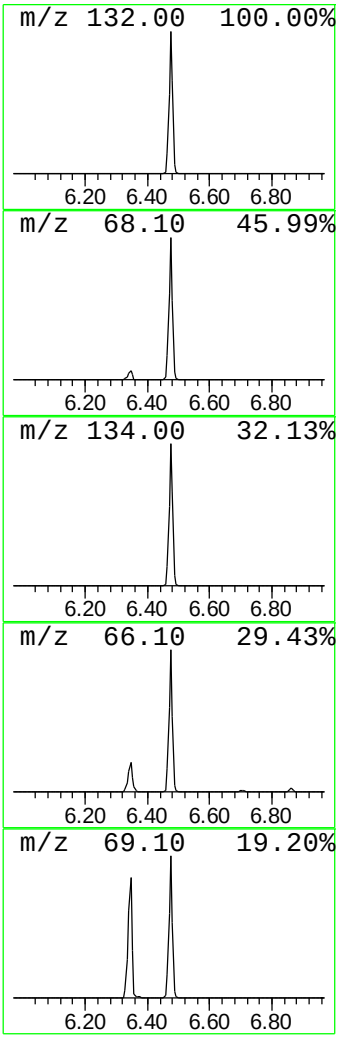
**********

Peak Number 2 unknown6.47 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.47 | 53.85 ng | 1772410 | 1,4-Dichlorobenzene-d4 | 6.70 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 27 |
| 2 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 12 |
| 3 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 10 |
| 4 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 9 |
| 5 | 4-Methylpyrrolo[1,2-a]pyrazine | 132 | C8H8N2 | 064608-60-2 | 9 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092718\
Data File : BF109400.D
Acq On : 27 Sep 2018 21:02
Operator : JU/SJ
Sample : J5077-05
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PARCEL-193-092418-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

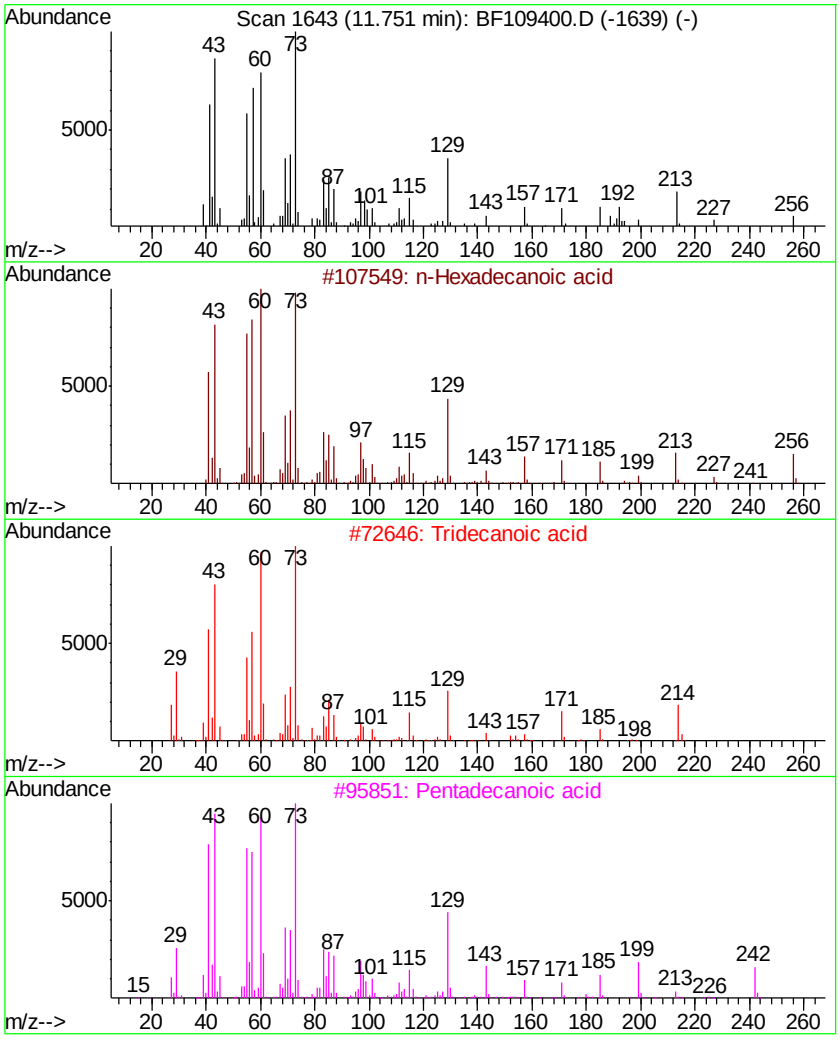
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

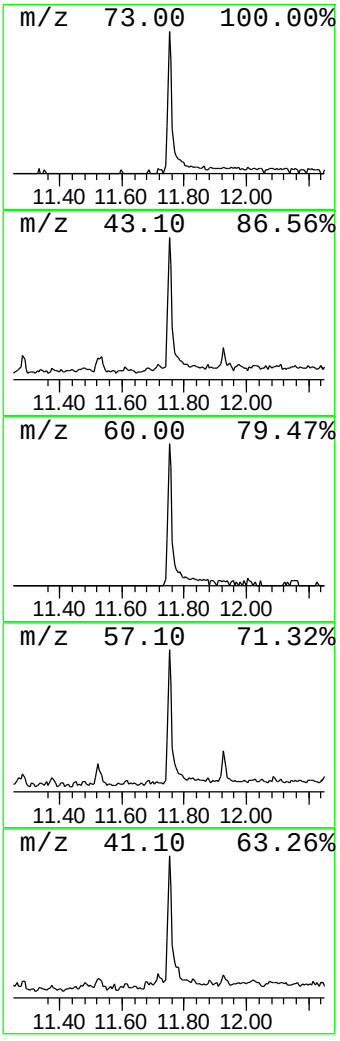
**********

Peak Number 4 n-Hexadecanoic acid Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.75 | 3.94 ng | 148955 | Phenanthrene-d10 | 11.22 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99 |
| 2 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 91 |
| 3 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 87 |
| 4 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 83 |
| 5 | Dodecanoic acid | 200 | C12H24O2 | 000143-07-7 | 72 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092718\
Data File : BF109400.D
Acq On : 27 Sep 2018 21:02
Operator : JU/SJ
Sample : J5077-05
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PARCEL-193-092418-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

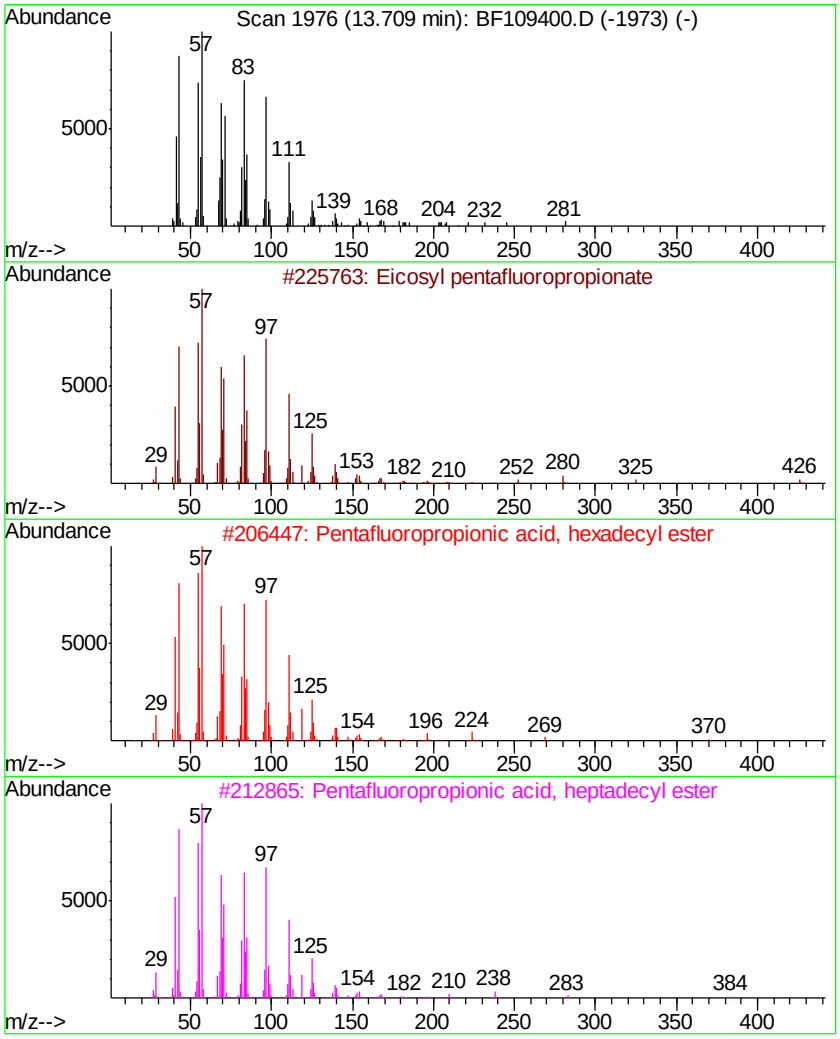
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

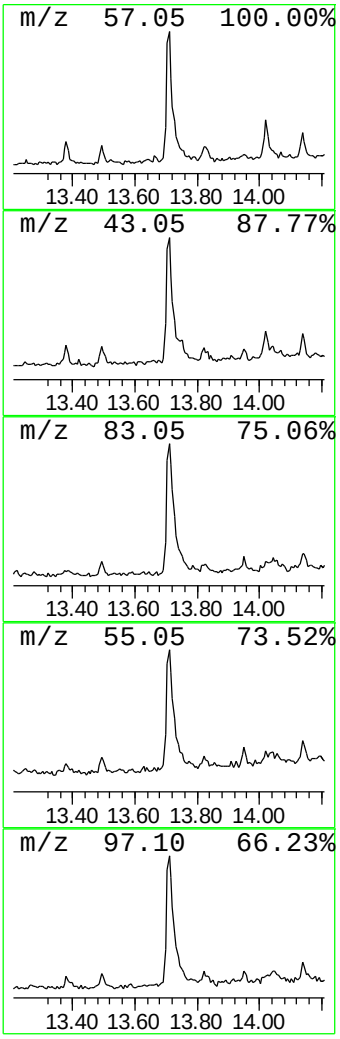
**********

Peak Number 5 Eicosyl pentafluoropropionate Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.71 | 5.88 ng | 257068 | Chrysene-d12 | 13.84 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosyl pentafluoropropionate | 444 | C23H41F5O2 | 1000351-80-8 | 91 |
| 2 | Pentafluoropropionic acid, hexad... | 388 | C19H33F5O2 | 006222-07-7 | 91 |
| 3 | Pentafluoropropionic acid, hepta... | 402 | C20H35F5O2 | 959218-78-1 | 91 |
| 4 | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1 | 91 |
| 5 | Heptafluorobutyric acid, pentade... | 424 | C19H31F7O2 | 959261-23-5 | 91 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092718\
Data File : BF109400.D
Acq On : 27 Sep 2018 21:02
Operator : JU/SJ
Sample : J5077-05
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PARCEL-193-092418-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

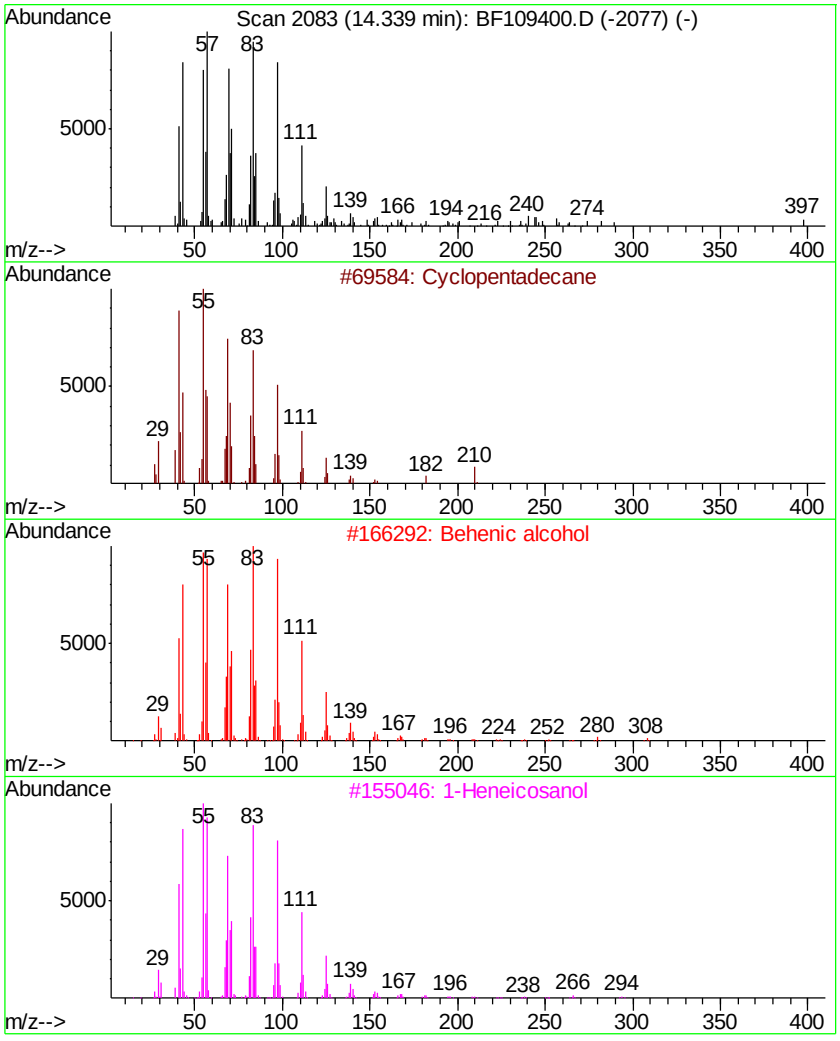
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

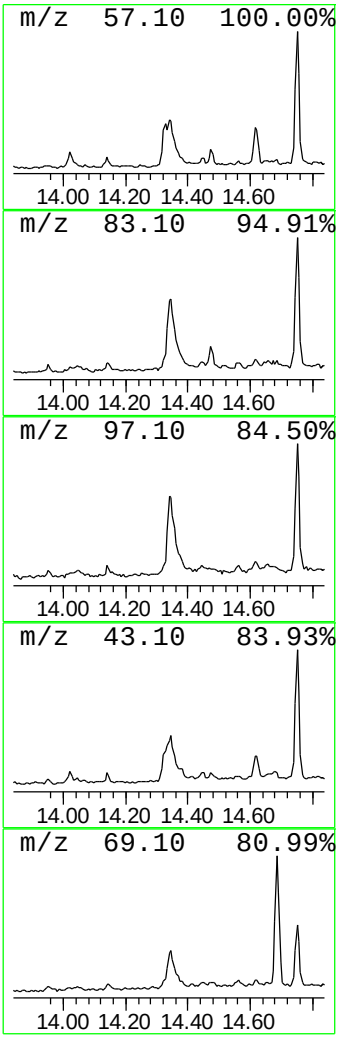
**********

Peak Number 6 Cyclopentadecane Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.34 | 9.24 ng | 403734 | Chrysene-d12 | 13.84 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentadecane | 210 | C15H30 | 000295-48-7 | 98 |
| 2 | Behenic alcohol | 326 | C22H46O | 000661-19-8 | 95 |
| 3 | 1-Heneicosanol | 312 | C21H44O | 015594-90-8 | 93 |
| 4 | n-Nonadecanol-1 | 284 | C19H40O | 001454-84-8 | 93 |
| 5 | n-Tetracosanol-1 | 354 | C24H50O | 000506-51-4 | 93 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092718\
Data File : BF109400.D
Acq On : 27 Sep 2018 21:02
Operator : JU/SJ
Sample : J5077-05
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PARCEL-193-092418-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

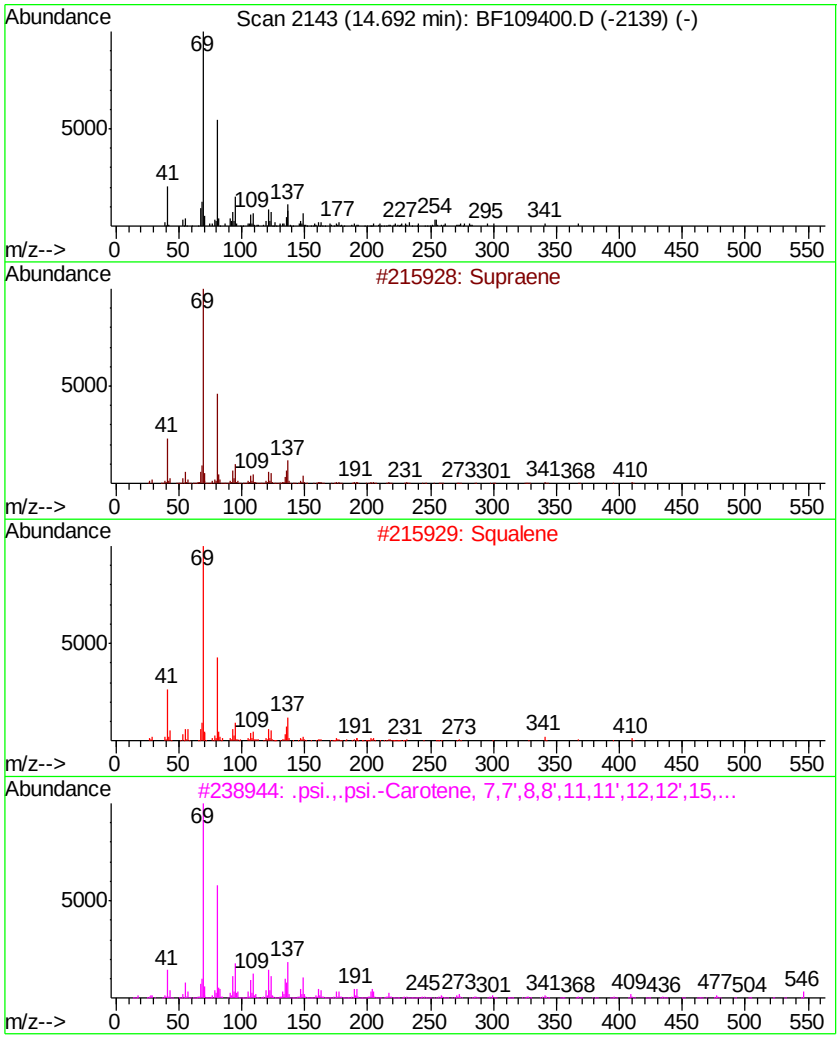
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

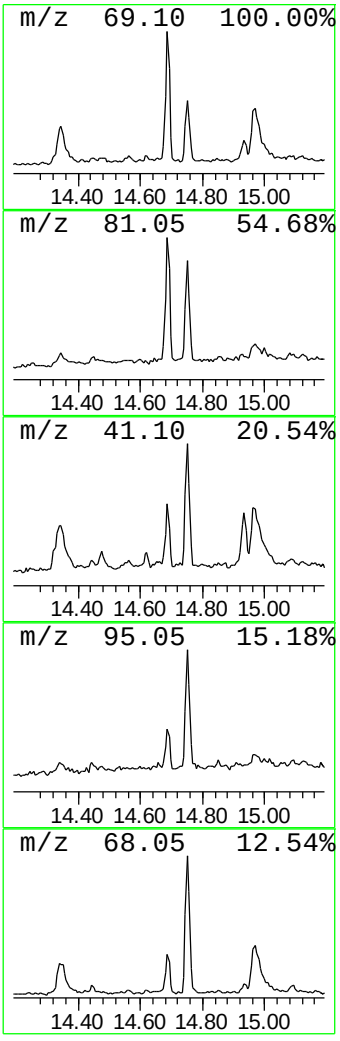
**********

Peak Number 7 Supraene Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.69 | 5.74 ng | 147908 | Perylene-d12 | 15.24 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Supraene | 410 | C30H50 | 007683-64-9 | 91 |
| 2 | Squalene | 410 | C30H50 | 000111-02-4 | 80 |
| 3 | .psi.,.psi.-Carotene, 7,7',8,8',... | 547 | C40H66 | 000502-62-5 | 78 |
| 4 | 3,7,11-Tridecatrienenitrile, 4,8... | 231 | C16H25N | 006006-01-5 | 72 |
| 5 | 2,6,10,14-Hexadecatetraenoic aci... | 332 | C22H36O2 | 024035-35-6 | 64 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092718\
Data File : BF109400.D
Acq On : 27 Sep 2018 21:02
Operator : JU/SJ
Sample : J5077-05
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PARCEL-193-092418-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

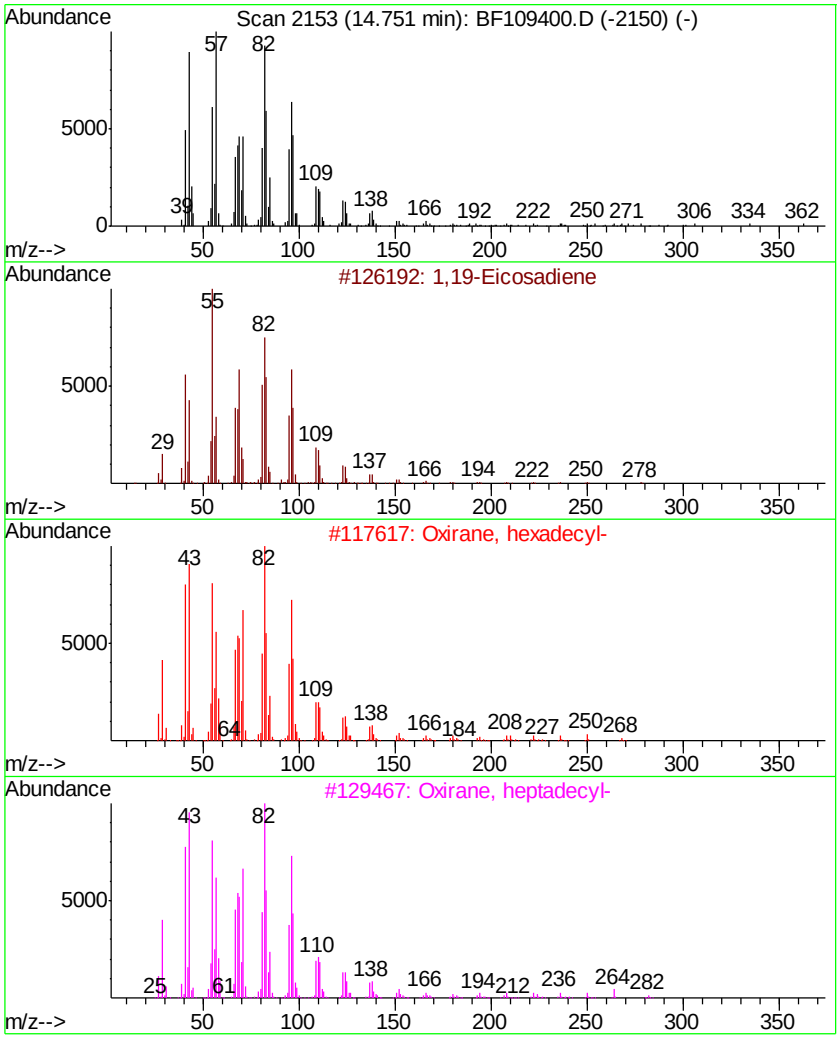
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

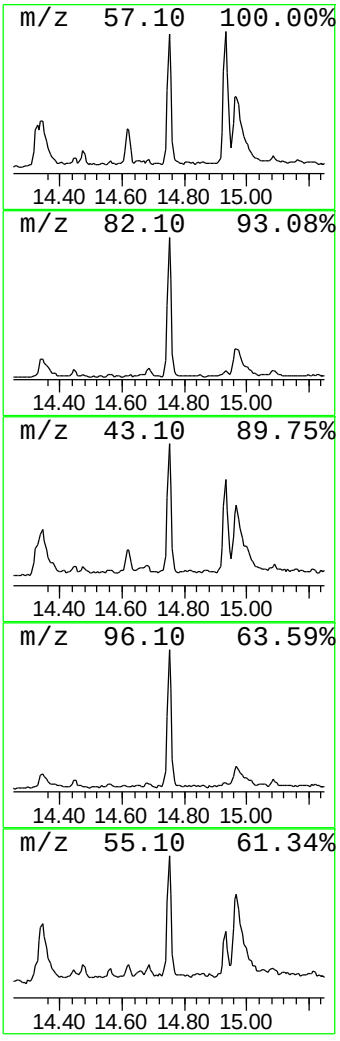
**********

Peak Number 8 1,19-Eicosadiene Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.75 | 16.76 ng | 431970 | Perylene-d12 | 15.24 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,19-Eicosadiene | 278 | C20H38 | 014811-95-1 | 95 |
| 2 | Oxirane, hexadecyl- | 268 | C18H36O | 007390-81-0 | 93 |
| 3 | Oxirane, heptadecyl- | 282 | C19H38O | 067860-04-2 | 91 |
| 4 | Octadecanal | 268 | C18H36O | 000638-66-4 | 91 |
| 5 | Z-2-Octadecen-1-ol | 268 | C18H36O | 1000131-11-0 | 89 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092718\
Data File : BF109400.D
Acq On : 27 Sep 2018 21:02
Operator : JU/SJ
Sample : J5077-05
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PARCEL-193-092418-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

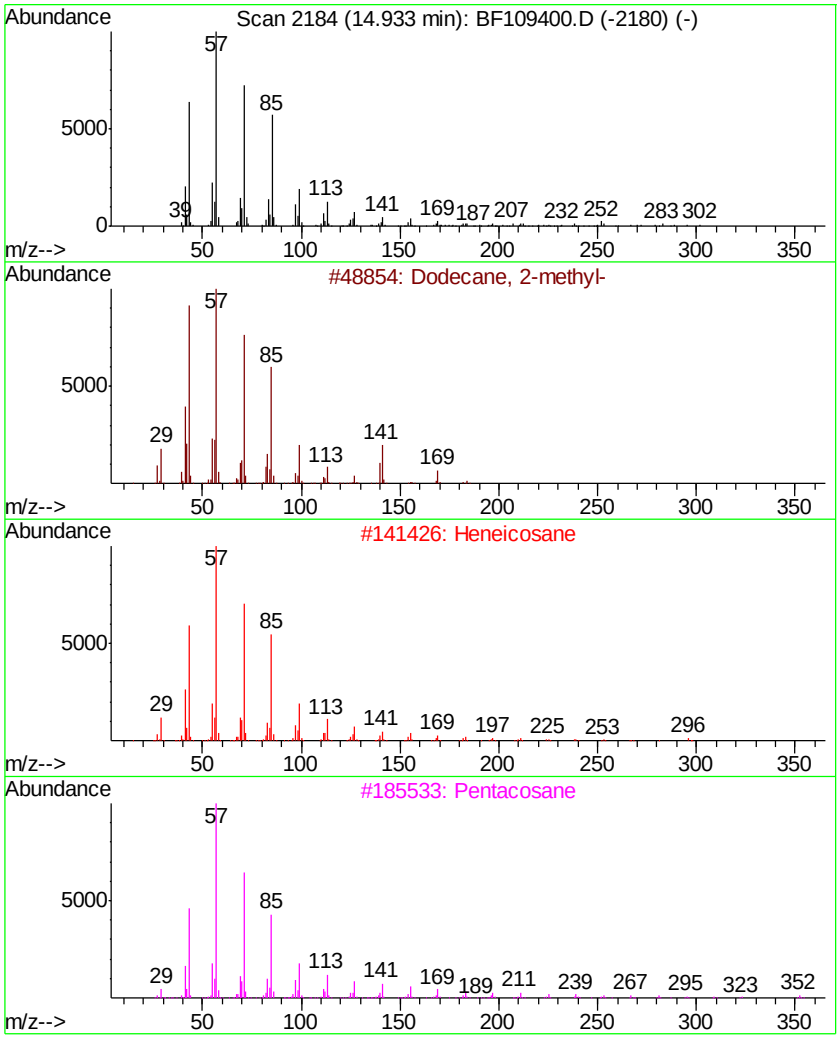
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

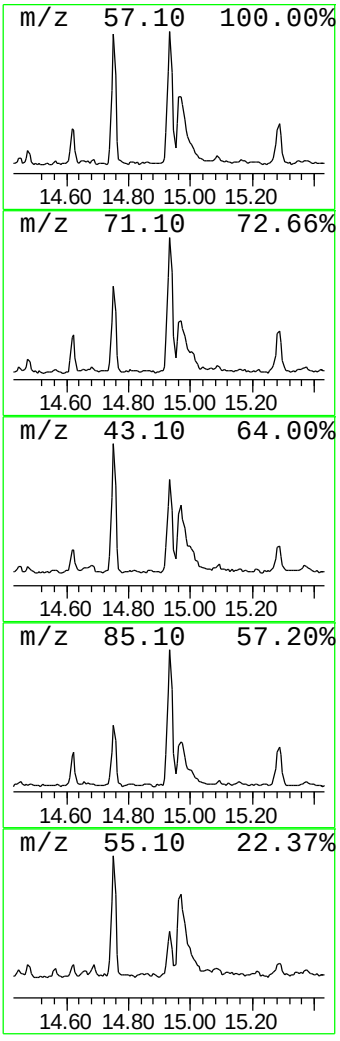
**********

Peak Number 9 Dodecane, 2-methyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.93 | 9.23 ng | 237952 | Perylene-d12 | 15.24 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dodecane, 2-methyl- | 184 | C13H28 | 001560-97-0 | 90 |
| 2 | Heneicosane | 296 | C21H44 | 000629-94-7 | 90 |
| 3 | Pentacosane | 352 | C25H52 | 000629-99-2 | 87 |
| 4 | Hexadecane, 2-methyl- | 240 | C17H36 | 001560-92-5 | 87 |
| 5 | Eicosane | 282 | C20H42 | 000112-95-8 | 86 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092718\
Data File : BF109400.D
Acq On : 27 Sep 2018 21:02
Operator : JU/SJ
Sample : J5077-05
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PARCEL-193-092418-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

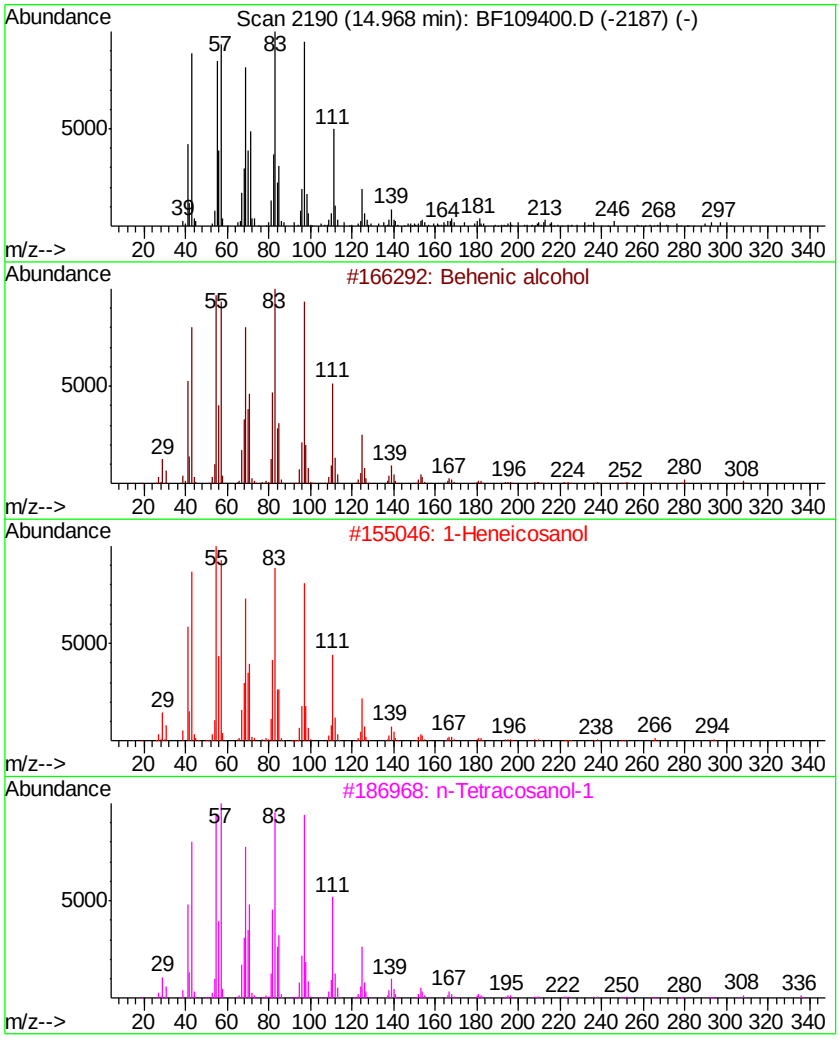
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

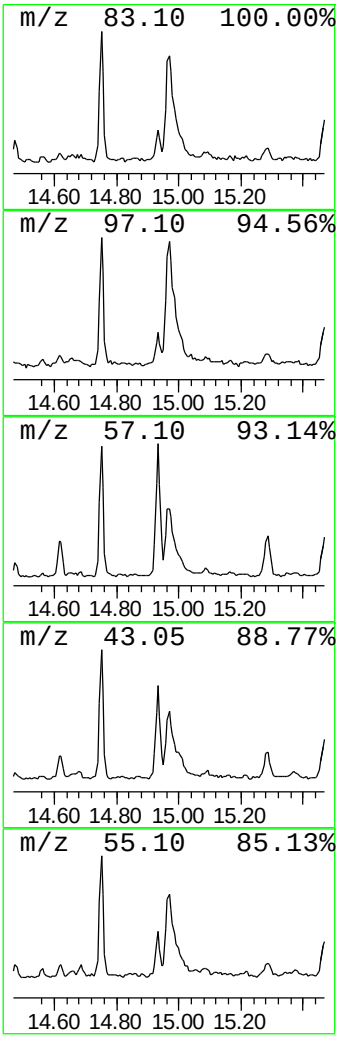
**********

Peak Number 10 Behenic alcohol Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.97 | 17.87 ng | 460576 | Perylene-d12 | 15.24 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Behenic alcohol | 326 | C22H46O | 000661-19-8 | 95 |
| 2 | 1-Heneicosanol | 312 | C21H44O | 015594-90-8 | 94 |
| 3 | n-Tetracosanol-1 | 354 | C24H50O | 000506-51-4 | 92 |
| 4 | Dichloroacetic acid, heptadecyl ... | 366 | C19H36Cl2O2 | 1000282-98-2 | 76 |
| 5 | Trichloroacetic acid, pentadecyl... | 372 | C17H31Cl3O2 | 074339-53-0 | 76 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092718\
Data File : BF109400.D
Acq On : 27 Sep 2018 21:02
Operator : JU/SJ
Sample : J5077-05
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PARCEL-193-092418-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

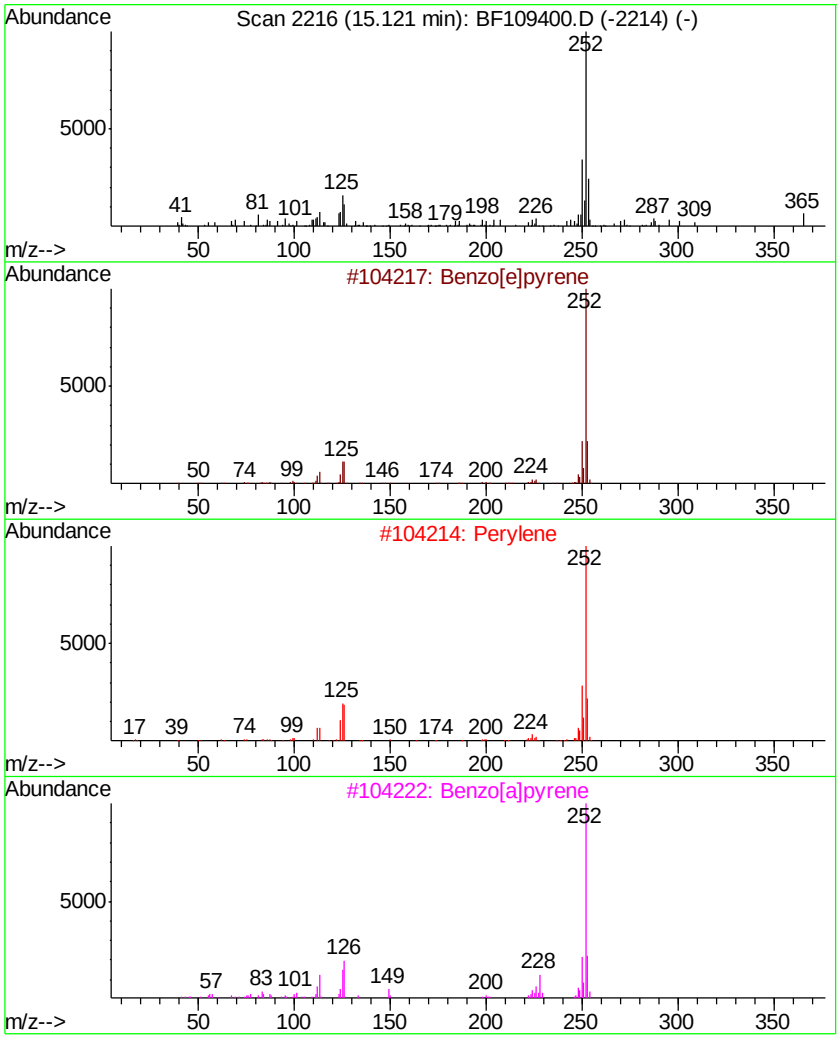
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

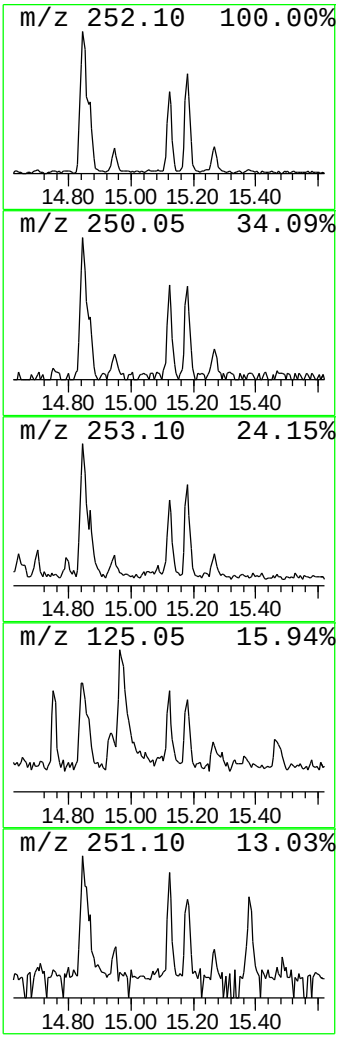
**********

Peak Number 11 Benzo[e]pyrene Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.12 | 2.19 ng | 56490 | Perylene-d12 | 15.24 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 96 |
| 2 | Perylene | 252 | C20H12 | 000198-55-0 | 90 |
| 3 | Benzo[a]pyrene | 252 | C20H12 | 000050-32-8 | 81 |
| 4 | Benz[e]acephenanthrylene | 252 | C20H12 | 000205-99-2 | 76 |
| 5 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 70 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092718\
Data File : BF109400.D
Acq On : 27 Sep 2018 21:02
Operator : JU/SJ
Sample : J5077-05
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PARCEL-193-092418-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

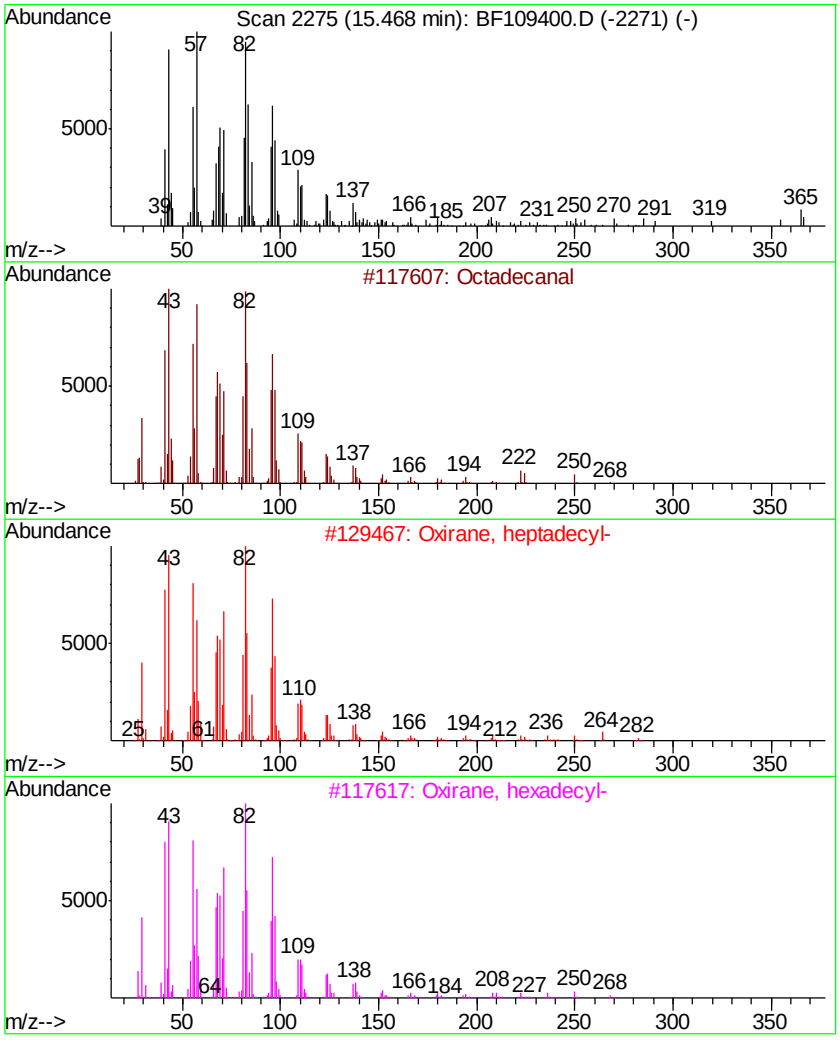
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

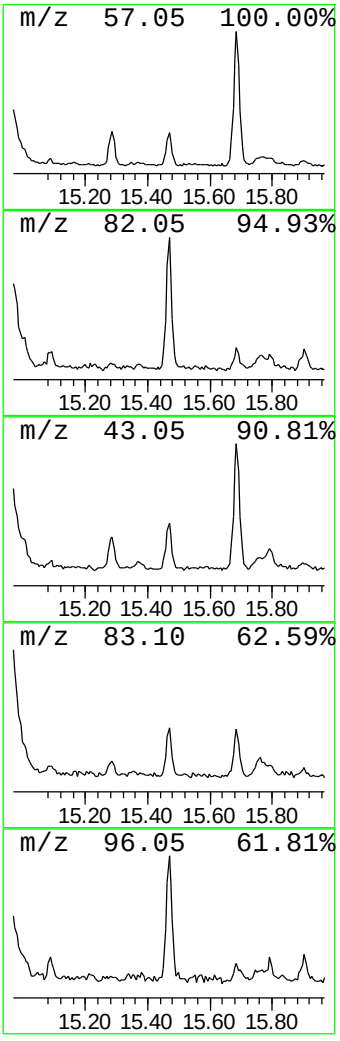
**********

Peak Number 12 Octadecanal Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.47 | 7.84 ng | 201990 | Perylene-d12 | 15.24 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecanal | 268 | C18H36O | 000638-66-4 | 91 |
| 2 | Oxirane, heptadecyl- | 282 | C19H38O | 067860-04-2 | 91 |
| 3 | Oxirane, hexadecyl- | 268 | C18H36O | 007390-81-0 | 90 |
| 4 | Hexadecanal | 240 | C16H32O | 000629-80-1 | 90 |
| 5 | 13-Octadecenal | 266 | C18H34O | 056554-90-6 | 86 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092718\
Data File : BF109400.D
Acq On : 27 Sep 2018 21:02
Operator : JU/SJ
Sample : J5077-05
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PARCEL-193-092418-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

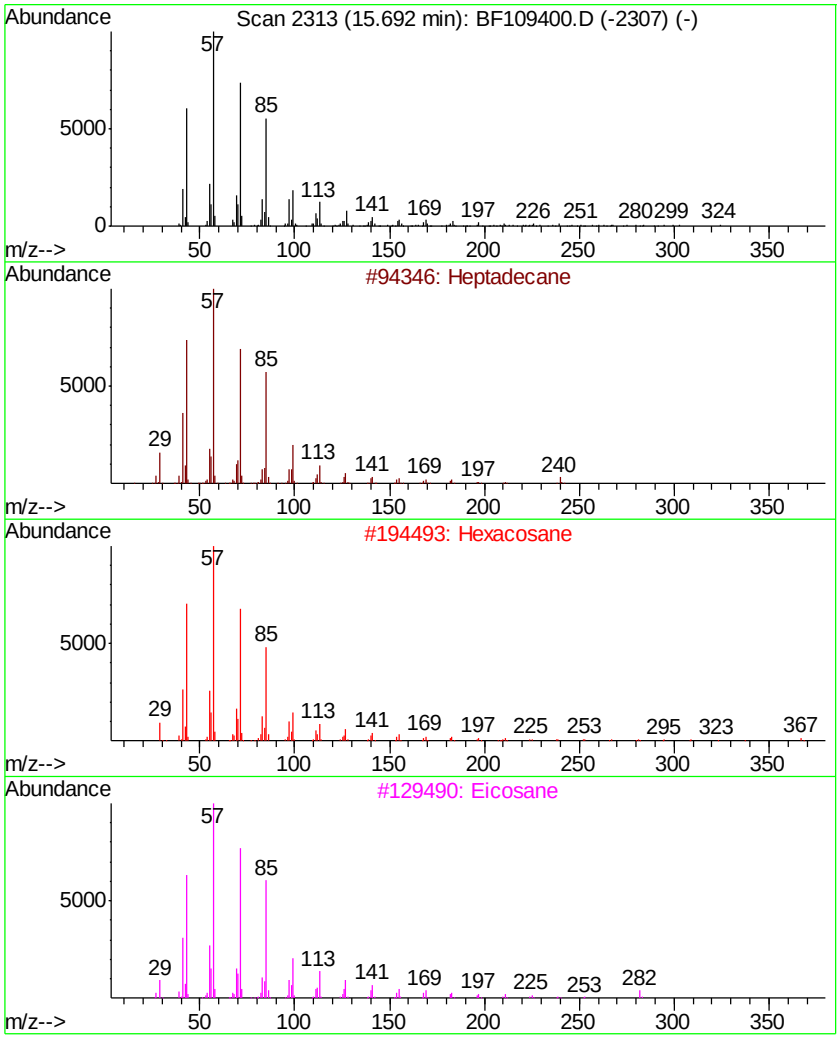
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

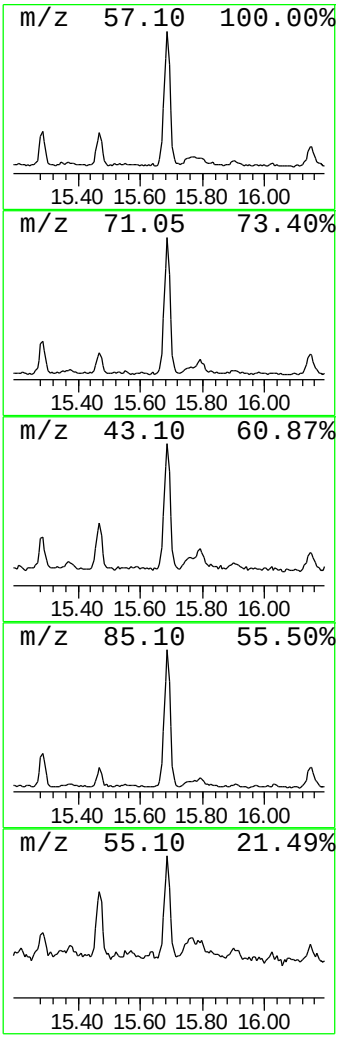
**********

Peak Number 13 Heptadecane Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.69 | 13.97 ng | 360030 | Perylene-d12 | 15.24 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptadecane | 240 | C17H36 | 000629-78-7 | 94 |
| 2 | Hexacosane | 366 | C26H54 | 000630-01-3 | 91 |
| 3 | Eicosane | 282 | C20H42 | 000112-95-8 | 91 |
| 4 | Hexadecane | 226 | C16H34 | 000544-76-3 | 91 |
| 5 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092718\
Data File : BF109400.D
Acq On : 27 Sep 2018 21:02
Operator : JU/SJ
Sample : J5077-05
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PARCEL-193-092418-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

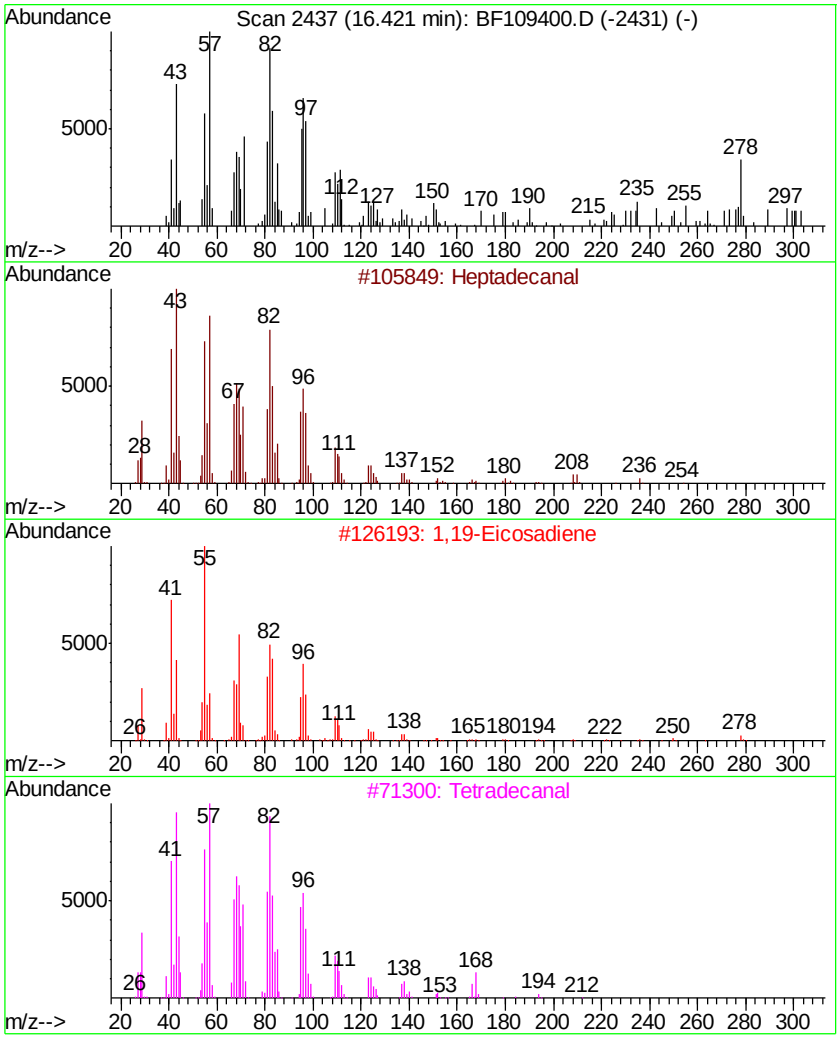
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

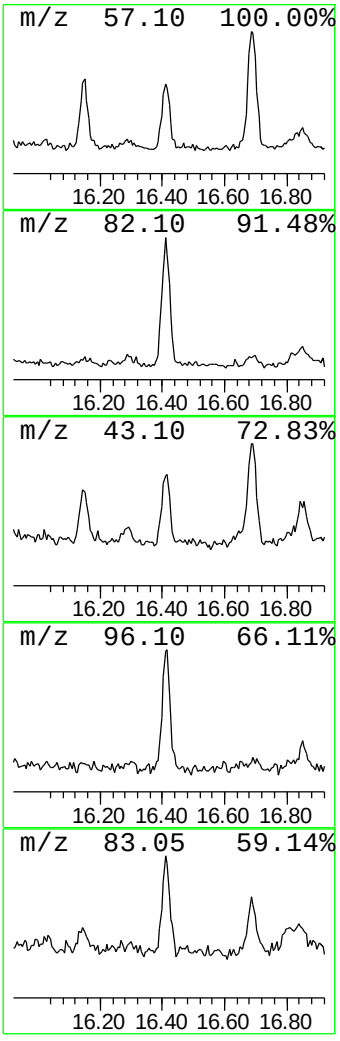
**********

Peak Number 14 Heptadecanal Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.42 | 5.00 ng | 128957 | Perylene-d12 | 15.24 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptadecanal | 254 | C17H34O | 1000376-70-0 | 86 |
| 2 | 1,19-Eicosadiene | 278 | C20H38 | 014811-95-1 | 83 |
| 3 | Tetradecanal | 212 | C14H28O | 000124-25-4 | 80 |
| 4 | 1,15-Pentadecanediol | 244 | C15H32O2 | 014722-40-8 | 72 |
| 5 | 1,15-Hexadecadiene | 222 | C16H30 | 021964-51-2 | 72 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092718\
Data File : BF109400.D
Acq On : 27 Sep 2018 21:02
Operator : JU/SJ
Sample : J5077-05
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PARCEL-193-092418-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

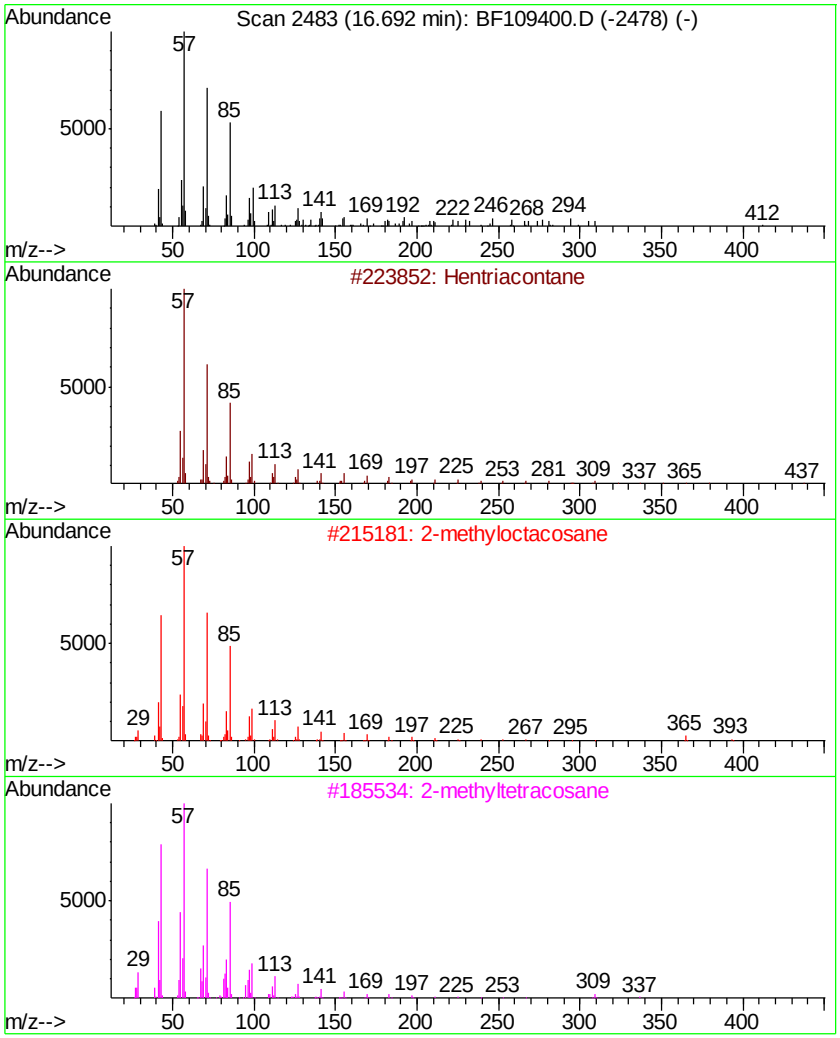
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

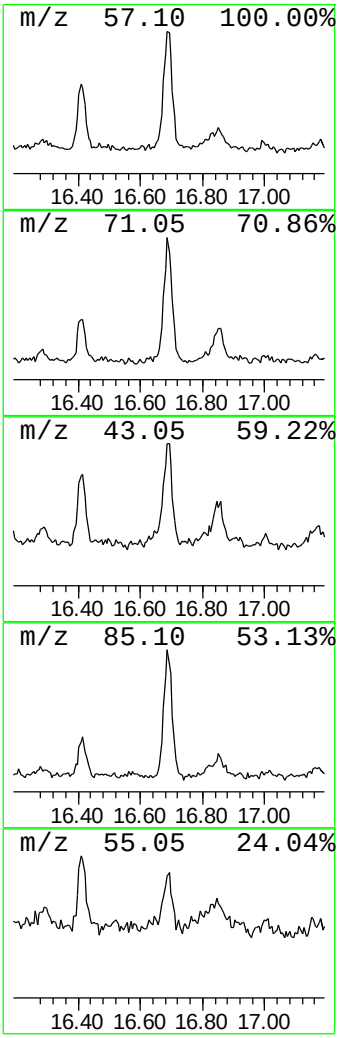
**********

Peak Number 15 Hentriacontane Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.69 | 7.11 ng | 183325 | Perylene-d12 | 15.24 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hentriacontane | 437 | C31H64 | 000630-04-6 | 87 |
| 2 | 2-methyloctacosane | 408 | C29H60 | 1000376-72-8 | 87 |
| 3 | 2-methyltetracosane | 352 | C25H52 | 1000376-72-6 | 86 |
| 4 | Sulfurous acid, butyl undecyl ester | 292 | C15H32O3S | 1000309-17-8 | 86 |
| 5 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 80 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092718\
Data File : BF109400.D
Acq On : 27 Sep 2018 21:02
Operator : JU/SJ
Sample : J5077-05
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PARCEL-193-092418-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

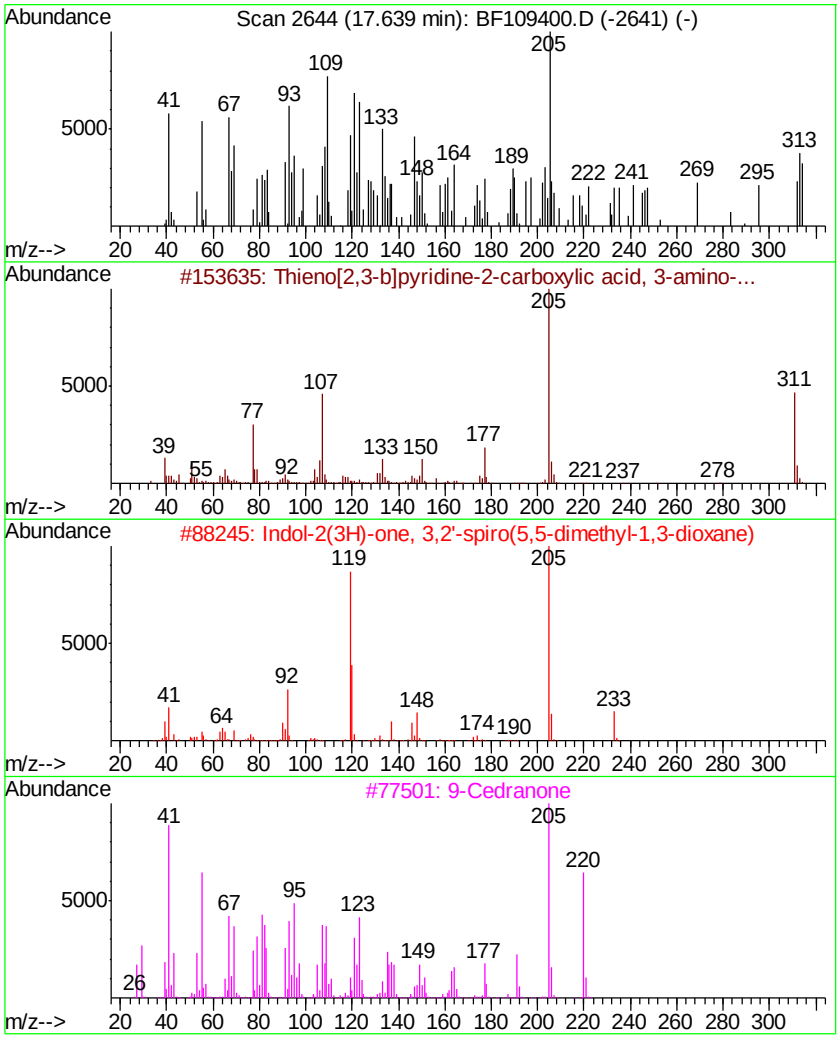
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

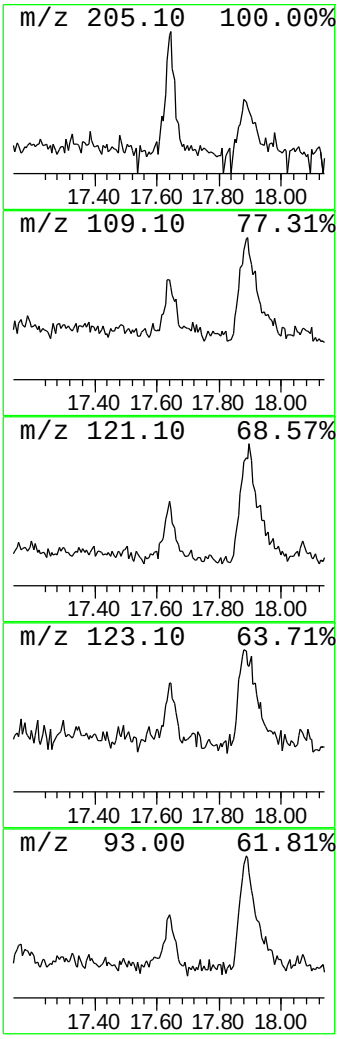
**********

Peak Number 16 unknown17.64 Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.64 | 3.78 ng | 97476 | Perylene-d12 | 15.24 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Thieno[2,3-b]pyridine-2-carboxyl... | 311 | C17H17N3OS | 1000302-46-4 | 27 |
| 2 | Indol-2(3H)-one, 3,2'-spiro(5,5-... | 233 | C13H15NO3 | 1000272-73-5 | 22 |
| 3 | 9-Cedranone | 220 | C15H24O | 1000156-23-2 | 20 |
| 4 | 3-(3-Imino-1-pyrazolidinyl)benzo... | 205 | C10H11N3O2 | 083671-99-2 | 20 |
| 5 | 7-Chloro-2,3-dihydrofuro(2,3-b)q... | 205 | C11H8ClNO | 064124-91-0 | 18 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092718\
Data File : BF109400.D
Acq On : 27 Sep 2018 21:02
Operator : JU/SJ
Sample : J5077-05
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PARCEL-193-092418-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

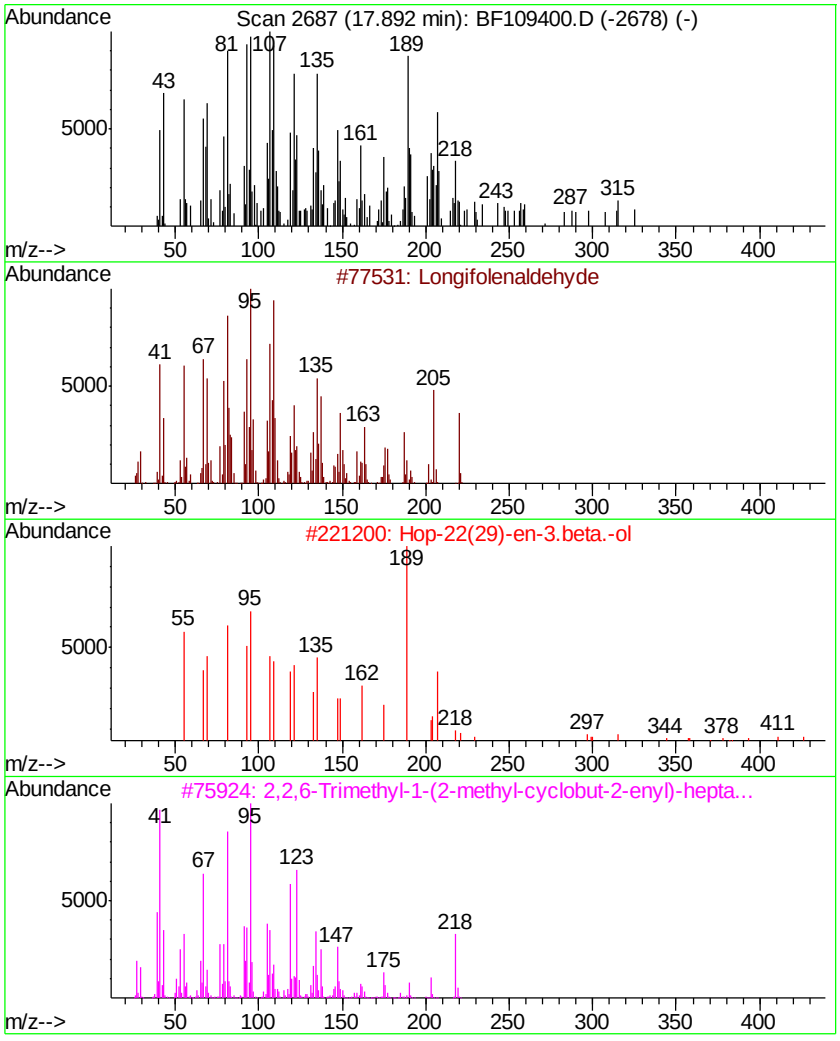
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

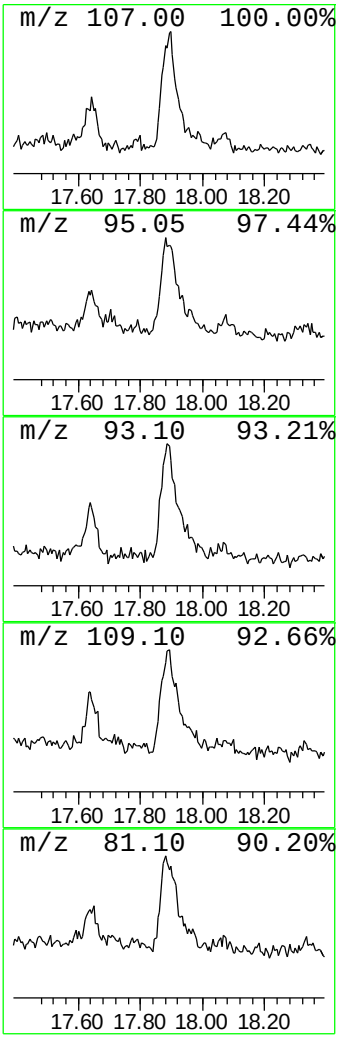
**********

Peak Number 17 Longifolenaldehyde Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.89 | 21.34 ng | 550018 | Perylene-d12 | 15.24 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Longifolenaldehyde | 220 | C15H24O | 019890-84-7 | 59 |
| 2 | Hop-22(29)-en-3.beta.-ol | 426 | C30H50O | 058801-23-3 | 55 |
| 3 | 2,2,6-Trimethyl-1-(2-methyl-cycl... | 218 | C15H22O | 1000188-72-8 | 53 |
| 4 | 1,5-Cycloundecadiene, 9-(1-methy... | 190 | C14H22 | 062338-55-0 | 49 |
| 5 | 1,3-Cyclopentadiene, 2,3,4,5-tet... | 190 | C14H22 | 1000161-28-7 | 38 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092718\
Data File : BF109400.D
Acq On : 27 Sep 2018 21:02
Operator : JU/SJ
Sample : J5077-05
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PARCEL-193-092418-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.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 |
| 2-Pentanone, 4-hy... | 4.89 | 2.3 | ng | 75179 | 1 | 6.70 | 658301 | 20.0 |
| unknown6.47 | 6.47 | 53.9 | ng | 1772410 | 1 | 6.70 | 658301 | 20.0 |
| n-Hexadecanoic acid | 11.75 | 3.9 | ng | 148955 | 4 | 11.22 | 755293 | 20.0 |
| Eicosyl pentafluo... | 13.71 | 5.9 | ng | 257068 | 5 | 13.84 | 874155 | 20.0 |
| Cyclopentadecane | 14.34 | 9.2 | ng | 403734 | 5 | 13.84 | 874155 | 20.0 |
| Supraene | 14.69 | 5.7 | ng | 147908 | 6 | 15.24 | 515528 | 20.0 |
| 1,19-Eicosadiene | 14.75 | 16.8 | ng | 431970 | 6 | 15.24 | 515528 | 20.0 |
| Dodecane, 2-methyl- | 14.93 | 9.2 | ng | 237952 | 6 | 15.24 | 515528 | 20.0 |
| Behenic alcohol | 14.97 | 17.9 | ng | 460576 | 6 | 15.24 | 515528 | 20.0 |
| Benzo[e]pyrene | 15.12 | 2.2 | ng | 56490 | 6 | 15.24 | 515528 | 20.0 |
| Octadecanal | 15.47 | 7.8 | ng | 201990 | 6 | 15.24 | 515528 | 20.0 |
| Heptadecane | 15.69 | 14.0 | ng | 360030 | 6 | 15.24 | 515528 | 20.0 |
| Heptadecanal | 16.42 | 5.0 | ng | 128957 | 6 | 15.24 | 515528 | 20.0 |
| Hentriacontane | 16.69 | 7.1 | ng | 183325 | 6 | 15.24 | 515528 | 20.0 |
| unknown17.64 | 17.64 | 3.8 | ng | 97476 | 6 | 15.24 | 515528 | 20.0 |
| Longifolenaldehyde | 17.89 | 21.3 | ng | 550018 | 6 | 15.24 | 515528 | 20.0 |