

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032818\  
 Data File : BF104031.D  
 Acq On : 29 Mar 2018 00:40  
 Operator : JU/SJ  
 Sample : J1754-11 5X  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CL-02-032718-A

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF032818.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 5.604       | 594           | 598         | 614          | rBV      | 56521          | 224510        | 1.74%           | 0.539%        |
| 2         | 6.604       | 764           | 768         | 785          | rBV      | 124066         | 427884        | 3.32%           | 1.028%        |
| 3         | 6.739       | 788           | 791         | 796          | rVV      | 248295         | 380159        | 2.95%           | 0.913%        |
| 4         | 6.781       | 796           | 798         | 811          | rVB3     | 76261          | 137413        | 1.07%           | 0.330%        |
| 5         | 6.969       | 826           | 830         | 849          | rBV      | 426290         | 689638        | 5.35%           | 1.656%        |
| 6         | 7.122       | 852           | 856         | 864          | rVV      | 244069         | 303854        | 2.36%           | 0.730%        |
| 7         | 7.539       | 922           | 927         | 932          | rBV2     | 227086         | 326395        | 2.53%           | 0.784%        |
| 8         | 8.210       | 1038          | 1041        | 1045         | rBV2     | 214440         | 234826        | 1.82%           | 0.564%        |
| 9         | 8.245       | 1045          | 1047        | 1052         | rVV      | 732577         | 870679        | 6.76%           | 2.091%        |
| 10        | 8.286       | 1052          | 1054        | 1057         | rVV      | 193943         | 172066        | 1.34%           | 0.413%        |
| 11        | 8.522       | 1091          | 1094        | 1099         | rVB4     | 128244         | 152783        | 1.19%           | 0.367%        |
| 12        | 8.745       | 1129          | 1132        | 1136         | rBV2     | 162478         | 170518        | 1.32%           | 0.410%        |
| 13        | 8.816       | 1141          | 1144        | 1149         | rVV      | 327333         | 294351        | 2.28%           | 0.707%        |
| 14        | 9.063       | 1183          | 1186        | 1190         | rBV3     | 174637         | 189486        | 1.47%           | 0.455%        |
| 15        | 9.180       | 1203          | 1206        | 1209         | rBV2     | 134173         | 128885        | 1.00%           | 0.310%        |
| 16        | 9.316       | 1226          | 1229        | 1238         | rBV      | 590746         | 680830        | 5.28%           | 1.635%        |
| 17        | 9.380       | 1238          | 1240        | 1245         | rVB      | 413780         | 370755        | 2.88%           | 0.890%        |
| 18        | 9.704       | 1291          | 1295        | 1300         | rVV4     | 171644         | 240287        | 1.86%           | 0.577%        |
| 19        | 9.916       | 1328          | 1331        | 1335         | rVB      | 466196         | 407979        | 3.17%           | 0.980%        |
| 20        | 10.004      | 1343          | 1346        | 1351         | rBV2     | 818143         | 778708        | 6.04%           | 1.870%        |
| 21        | 10.416      | 1412          | 1416        | 1418         | rBV      | 481333         | 408355        | 3.17%           | 0.981%        |
| 22        | 10.633      | 1448          | 1453        | 1455         | rBV      | 195218         | 213480        | 1.66%           | 0.513%        |
| 23        | 10.798      | 1478          | 1481        | 1489         | rVV      | 214786         | 319281        | 2.48%           | 0.767%        |
| 24        | 10.886      | 1493          | 1496        | 1506         | rVB      | 494082         | 601748        | 4.67%           | 1.445%        |
| 25        | 11.339      | 1569          | 1573        | 1575         | rBV      | 327869         | 300110        | 2.33%           | 0.721%        |
| 26        | 11.363      | 1575          | 1577        | 1585         | rVB      | 140170         | 186807        | 1.45%           | 0.449%        |
| 27        | 11.504      | 1597          | 1601        | 1604         | rBV      | 635996         | 738350        | 5.73%           | 1.773%        |
| 28        | 11.763      | 1642          | 1645        | 1648         | rBV      | 286913         | 227418        | 1.76%           | 0.546%        |
| 29        | 11.874      | 1659          | 1664        | 1667         | rBV      | 4715958        | 4797822       | 37.23%          | 11.524%       |
| 30        | 12.174      | 1712          | 1715        | 1717         | rBV      | 204852         | 193327        | 1.50%           | 0.464%        |
| 31        | 12.580      | 1776          | 1784        | 1786         | rBV      | 5823655        | 12887167      | 100.00%         | 30.953%       |
| 32        | 12.604      | 1786          | 1788        | 1793         | rVV2     | 5759432        | 6395059       | 49.62%          | 15.360%       |
| 33        | 12.668      | 1795          | 1799        | 1802         | rVV      | 2524388        | 2258445       | 17.52%          | 5.424%        |
| 34        | 12.721      | 1803          | 1808        | 1817         | rBV2     | 452748         | 739624        | 5.74%           | 1.776%        |

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Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CL-02-032718-A

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:\HPCHEM1\BNA\_F\METHODS\8270-BF032818.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |        |        |       |        |
|----|--------|------|------|------|------|--------|--------|-------|--------|
| 35 | 12.957 | 1846 | 1848 | 1854 | rVB  | 306725 | 324776 | 2.52% | 0.780% |
| 36 | 13.086 | 1867 | 1870 | 1873 | rBV  | 457791 | 410158 | 3.18% | 0.985% |
| 37 | 13.263 | 1896 | 1900 | 1903 | rVV4 | 155491 | 280635 | 2.18% | 0.674% |
| 38 | 13.386 | 1918 | 1921 | 1924 | rBV  | 314068 | 312529 | 2.43% | 0.751% |
| 39 | 14.057 | 2032 | 2035 | 2039 | rBV  | 246787 | 232086 | 1.80% | 0.557% |
| 40 | 14.157 | 2047 | 2052 | 2055 | rBV2 | 690684 | 871917 | 6.77% | 2.094% |
| 41 | 14.586 | 2122 | 2125 | 2134 | rBV3 | 132610 | 237975 | 1.85% | 0.572% |
| 42 | 15.051 | 2200 | 2204 | 2215 | rVB  | 612122 | 969697 | 7.52% | 2.329% |
| 43 | 15.704 | 2311 | 2315 | 2328 | rVB  | 315852 | 545829 | 4.24% | 1.311% |

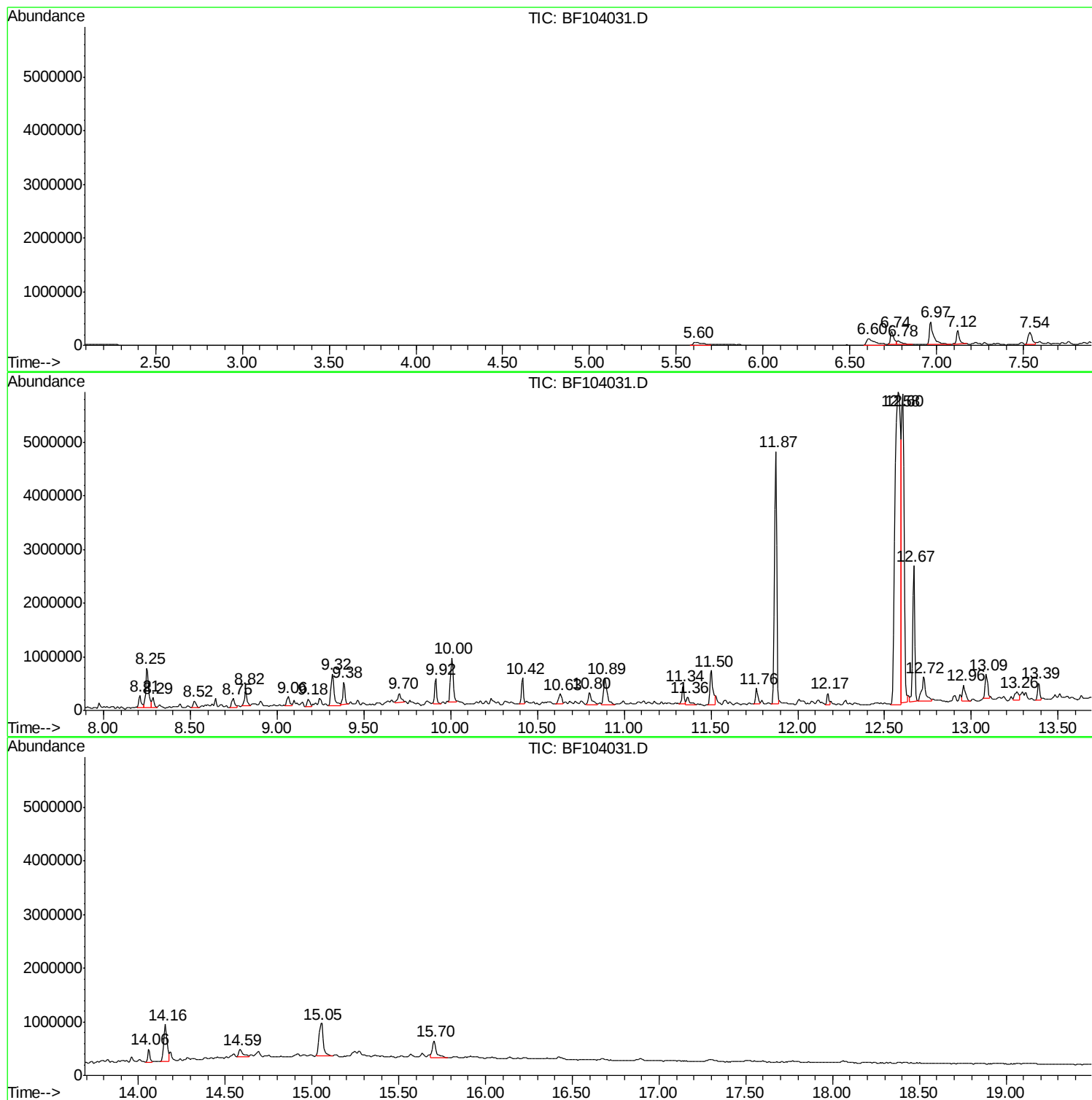
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Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032818\  
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF032818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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Data File : BF104031.D  
Acq On : 29 Mar 2018 00:40  
Operator : JU/SJ  
Sample : J1754-11 5X  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CL-02-032718-A

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

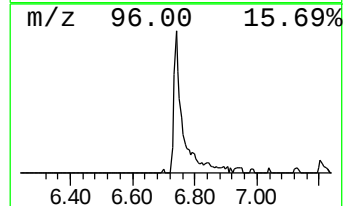
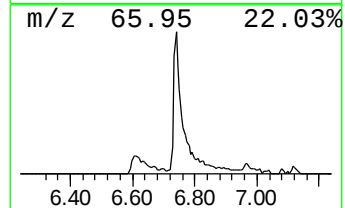
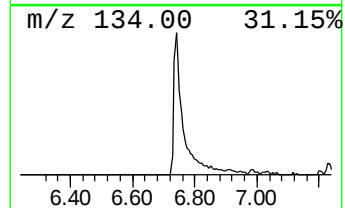
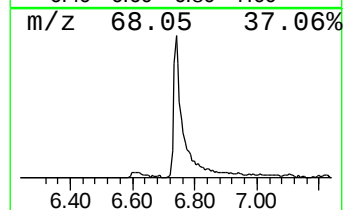
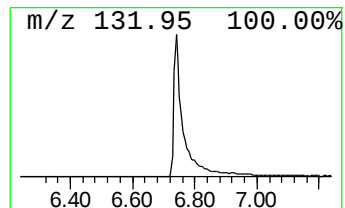
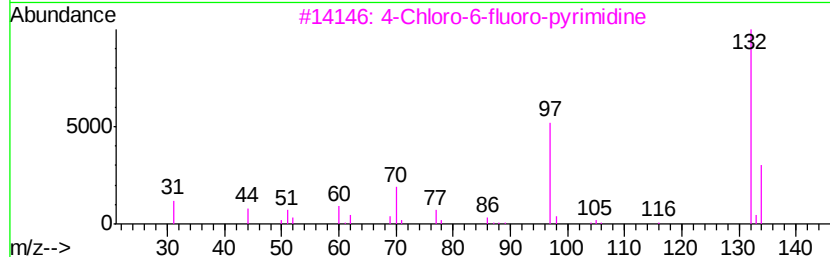
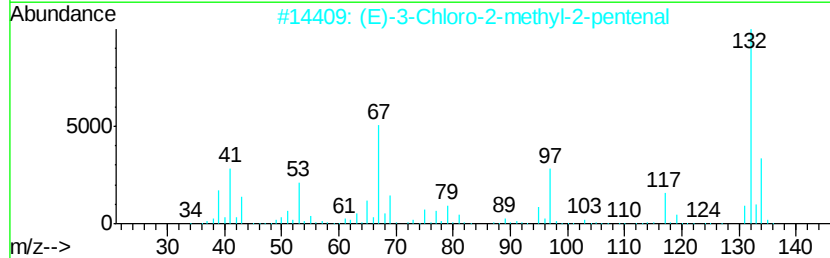
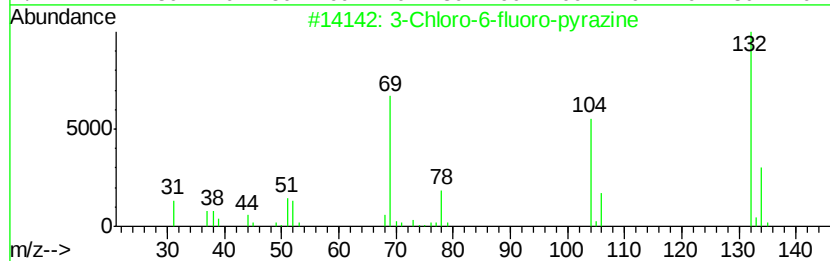
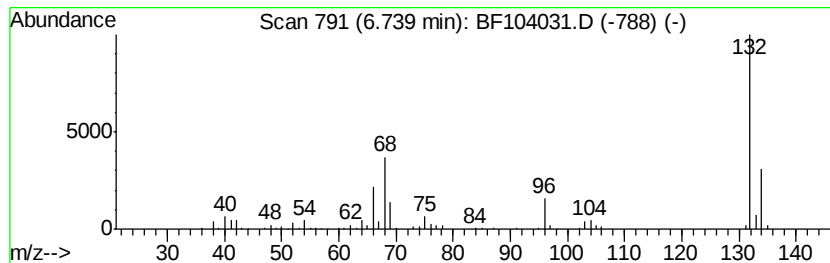
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 unknown6.74 Concentration Rank 7

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 6.74 | 11.02 ng | 380159 | 1,4-Dichlorobenzene-d4 | 6.97 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 38   |
| 2    |    | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO   | 031357-76-3  | 35   |
| 3    |    | 4-Chloro-6-fluoro-pyrimidine     | 132 | C4H2ClFN2 | 051422-01-6  | 9    |
| 4    |    | 5-Fluoro-2-chloropyrimidine      | 132 | C4H2ClFN2 | 062802-42-0  | 9    |
| 5    |    | 1-Methylpyrrolo[1,2-a]pyrazine   | 132 | C8H8N2    | 064608-59-9  | 9    |



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ALS Vial : 25 Sample Multiplier: 1

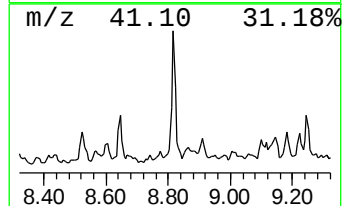
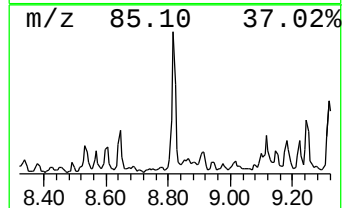
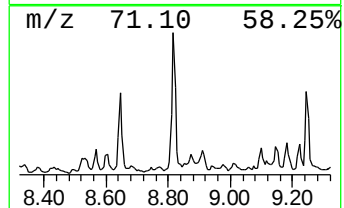
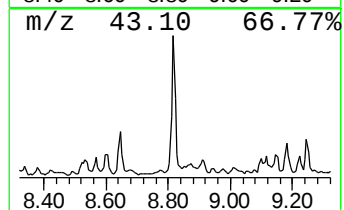
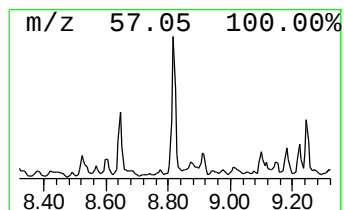
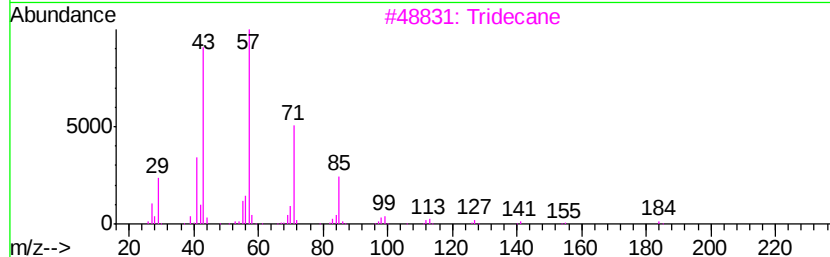
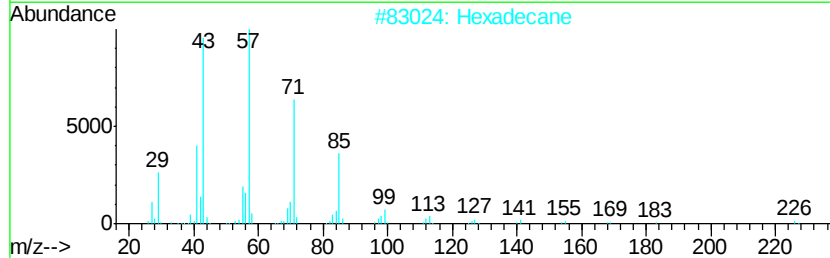
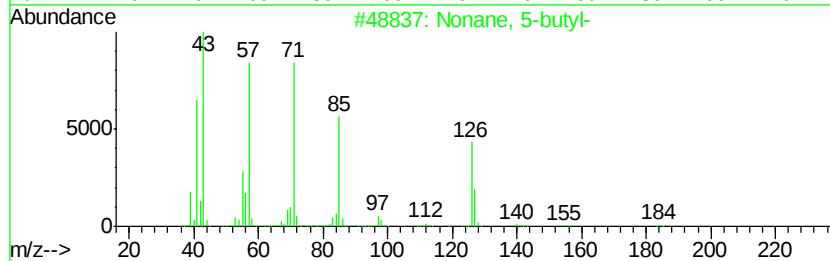
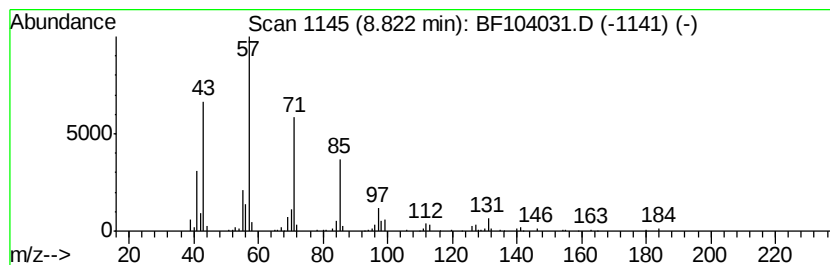
Instrument :  
BNA\_F  
ClientSampleId :  
CL-02-032718-A

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF032818.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 3 Nonane, 5-butyl- Concentration Rank 14

| R.T.      | EstConc          | Area   | Relative to ISTD | R.T.        |      |
|-----------|------------------|--------|------------------|-------------|------|
| 8.82      | 6.76 ng          | 294351 | Naphthalene-d8   | 8.25        |      |
| Hit# of 5 | Tentative ID     | MW     | MolForm          | CAS#        | Qual |
| 1         | Nonane, 5-butyl- | 184    | C13H28           | 017312-63-9 | 91   |
| 2         | Hexadecane       | 226    | C16H34           | 000544-76-3 | 87   |
| 3         | Tridecane        | 184    | C13H28           | 000629-50-5 | 87   |
| 4         | Pentadecane      | 212    | C15H32           | 000629-62-9 | 86   |
| 5         | Tetradecane      | 198    | C14H30           | 000629-59-4 | 86   |



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Instrument :  
BNA\_F  
ClientSampleId :  
CL-02-032718-A

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

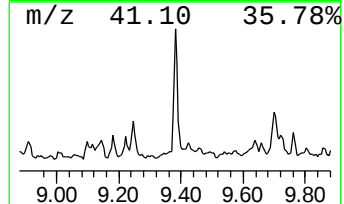
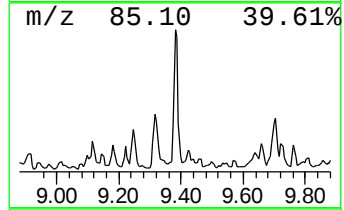
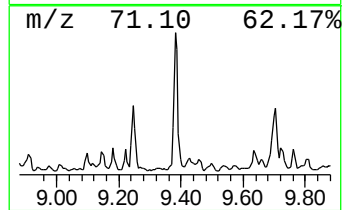
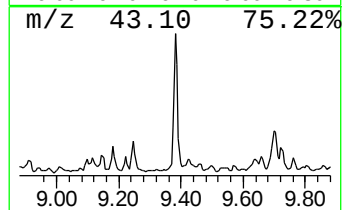
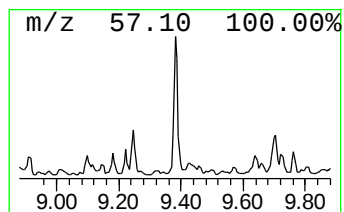
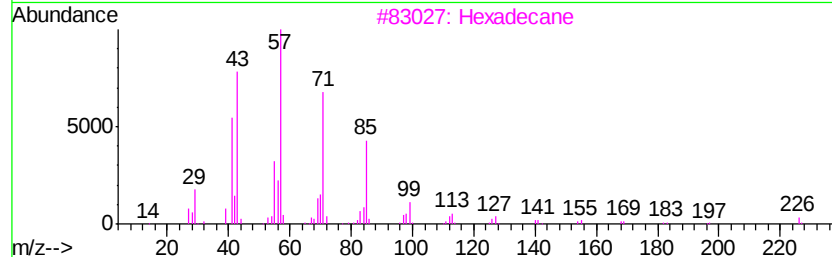
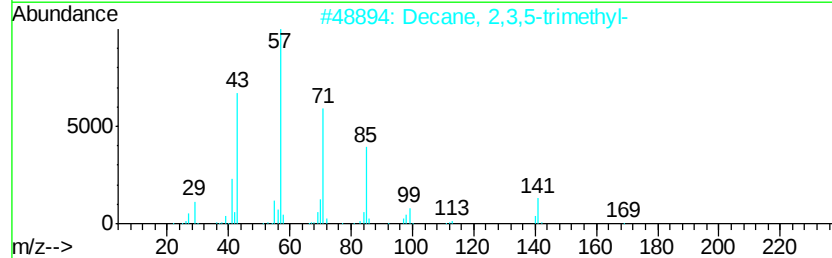
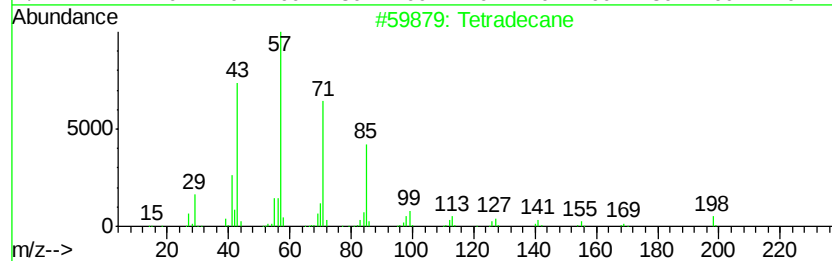
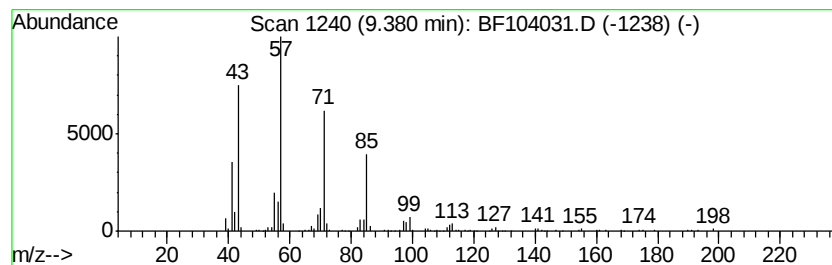
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Tetradecane Concentration Rank 10

| R.T. | EstConc | Area   | Relative to ISTD | R.T.  |
|------|---------|--------|------------------|-------|
| 9.38 | 9.52 ng | 370755 | Acenaphthene-d10 | 10.00 |

| Hit# of | 5 | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|---------|---|--------------------------|-----|---------|-------------|------|
| 1       |   | Tetradecane              | 198 | C14H30  | 000629-59-4 | 93   |
| 2       |   | Decane, 2,3,5-trimethyl- | 184 | C13H28  | 062238-11-3 | 90   |
| 3       |   | Hexadecane               | 226 | C16H34  | 000544-76-3 | 87   |
| 4       |   | Tridecane, 7-propyl-     | 226 | C16H34  | 055045-09-5 | 86   |
| 5       |   | Undecane, 2,3-dimethyl-  | 184 | C13H28  | 017312-77-5 | 86   |



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Instrument :  
BNA\_F  
ClientSampleId :  
CL-02-032718-A

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

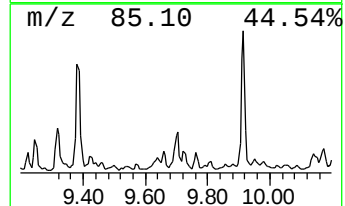
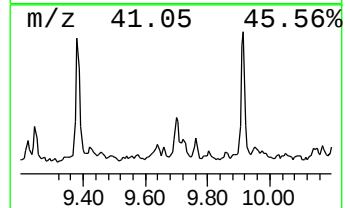
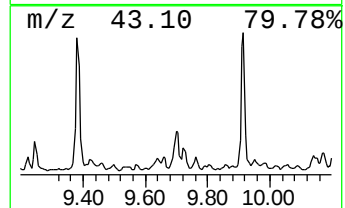
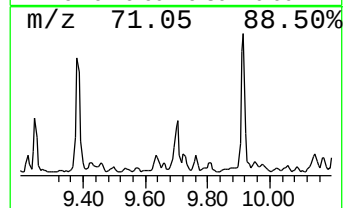
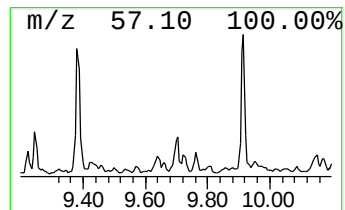
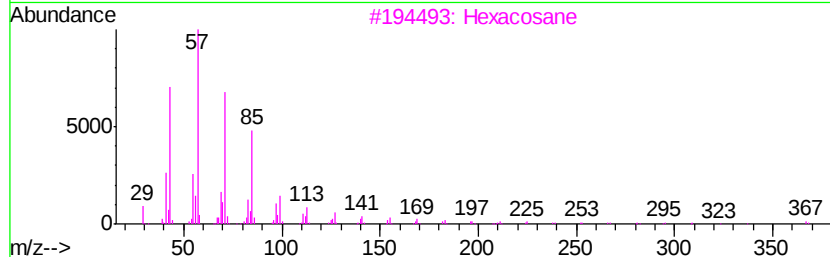
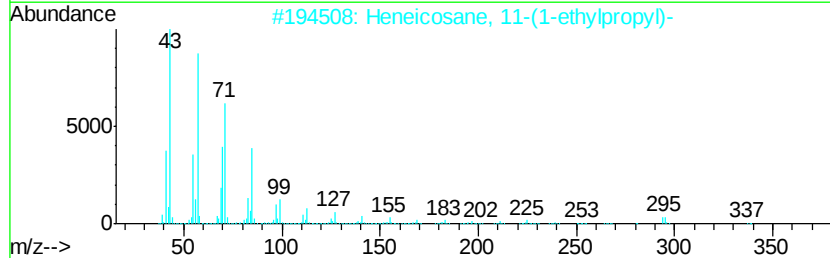
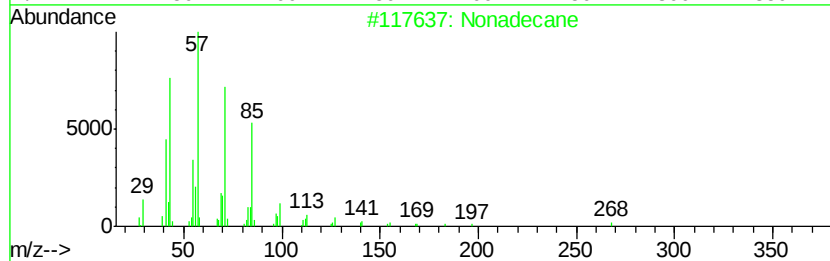
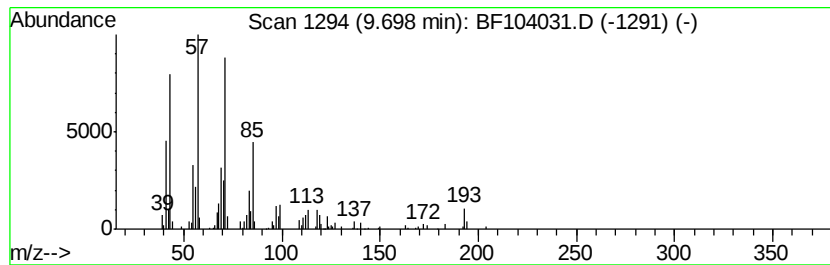
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Nonadecane Concentration Rank 16

| R.T. | EstConc | Area   | Relative to ISTD | R.T.  |
|------|---------|--------|------------------|-------|
| 9.70 | 6.17 ng | 240287 | Acenaphthene-d10 | 10.00 |

| Hit# of | 5                                  | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|------------------------------------|--------------|-----|---------|-------------|------|
| 1       | Nonadecane                         |              | 268 | C19H40  | 000629-92-5 | 64   |
| 2       | Heneicosane, 11-(1-ethylpropyl)-   |              | 366 | C26H54  | 055282-11-6 | 64   |
| 3       | Hexacosane                         |              | 366 | C26H54  | 000630-01-3 | 64   |
| 4       | Hexadecane, 2,6,10,14-tetramethyl- |              | 282 | C20H42  | 000638-36-8 | 59   |
| 5       | 1-Iodo-2-methylundecane            |              | 296 | C12H25I | 073105-67-6 | 59   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032818\  
Data File : BF104031.D  
Acq On : 29 Mar 2018 00:40  
Operator : JU/SJ  
Sample : J1754-11 5X  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CL-02-032718-A

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF032818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

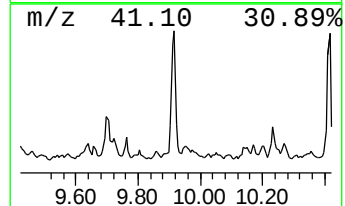
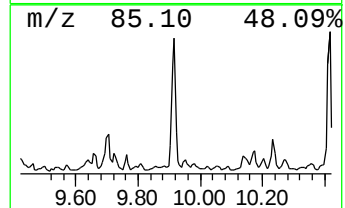
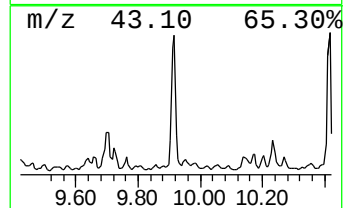
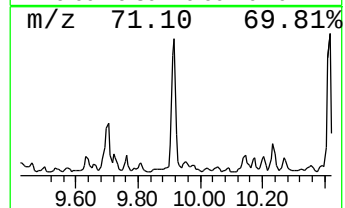
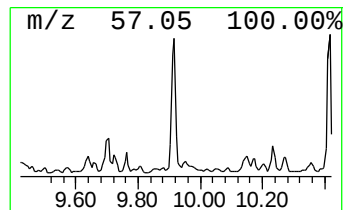
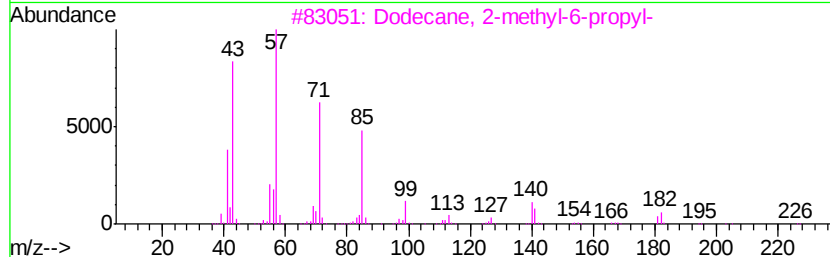
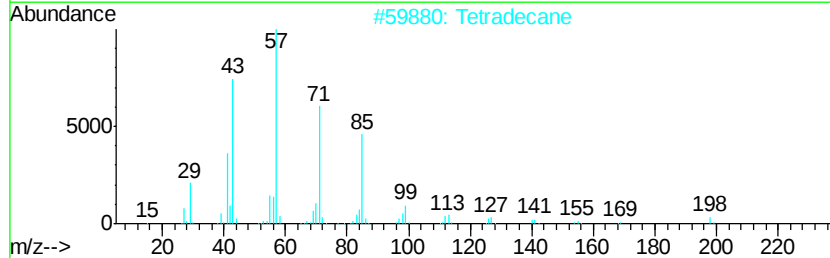
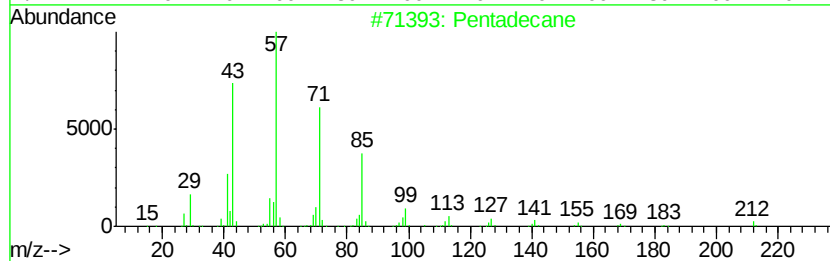
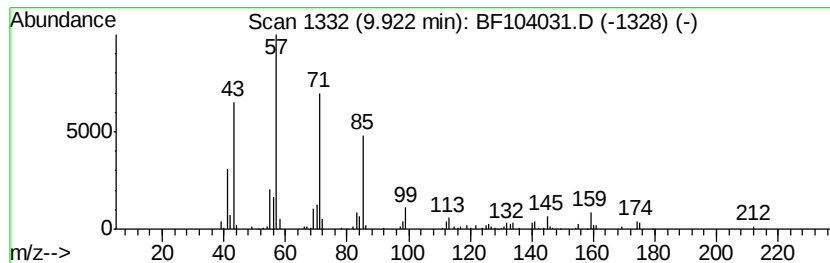
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Pentadecane Concentration Rank 9

| R.T. | EstConc  | Area   | Relative to ISTD | R.T.  |
|------|----------|--------|------------------|-------|
| 9.92 | 10.48 ng | 407979 | Acenaphthene-d10 | 10.00 |

| Hit# of | 5                            | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|------------------------------|--------------|-----|---------|-------------|------|
| 1       | Pentadecane                  |              | 212 | C15H32  | 000629-62-9 | 86   |
| 2       | Tetradecane                  |              | 198 | C14H30  | 000629-59-4 | 86   |
| 3       | Dodecane, 2-methyl-6-propyl- |              | 226 | C16H34  | 055045-08-4 | 80   |
| 4       | Decane, 2,4,6-trimethyl-     |              | 184 | C13H28  | 062108-27-4 | 78   |
| 5       | Hexadecane                   |              | 226 | C16H34  | 000544-76-3 | 72   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032818\  
Data File : BF104031.D  
Acq On : 29 Mar 2018 00:40  
Operator : JU/SJ  
Sample : J1754-11 5X  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CL-02-032718-A

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

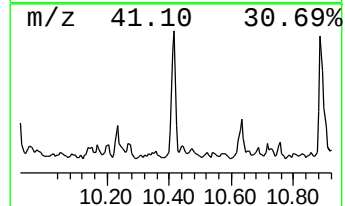
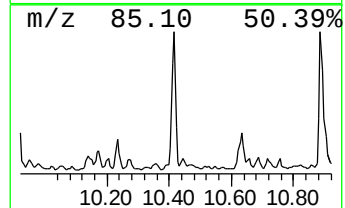
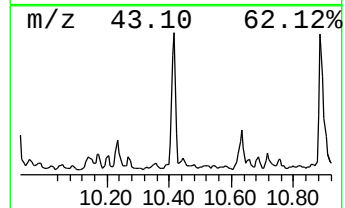
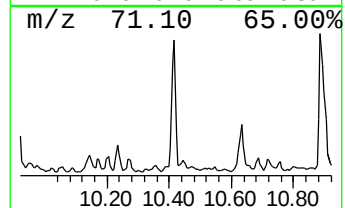
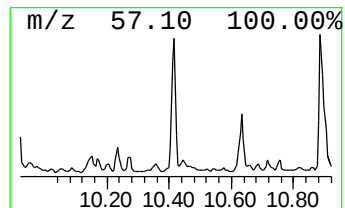
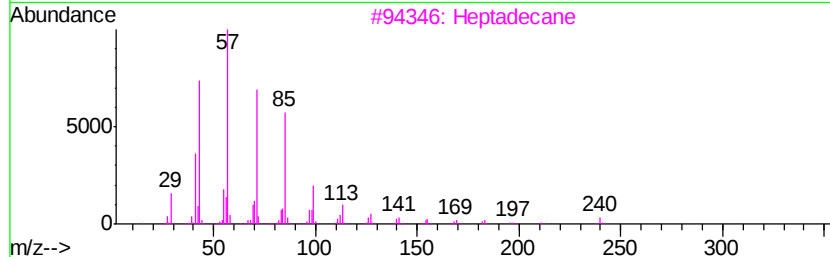
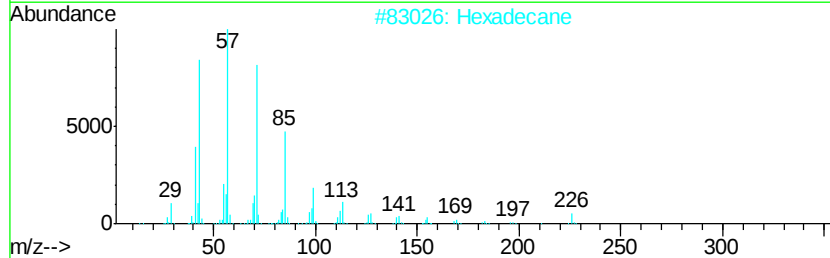
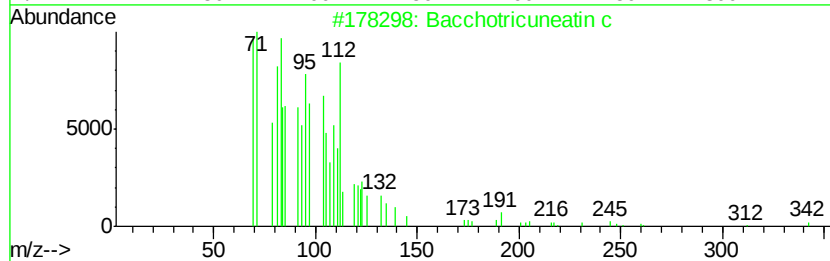
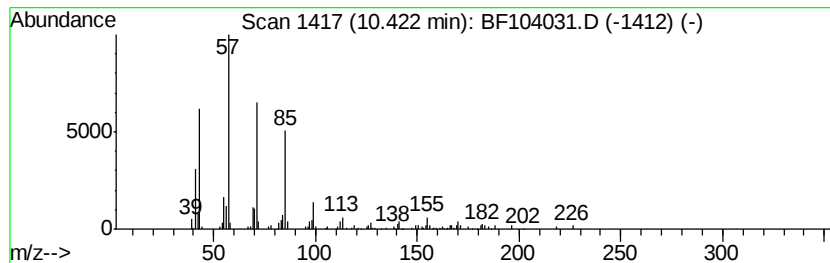
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Bacchotricuneatin c Concentration Rank 8

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 10.42 | 10.49 ng | 408355 | Acenaphthene-d10 | 10.00 |

| Hit# of | 5 | Tentative ID          | MW  | MolForm  | CAS#        | Qual |
|---------|---|-----------------------|-----|----------|-------------|------|
| 1       |   | Bacchotricuneatin c   | 342 | C20H22O5 | 066563-30-2 | 99   |
| 2       |   | Hexadecane            | 226 | C16H34   | 000544-76-3 | 93   |
| 3       |   | Heptadecane           | 240 | C17H36   | 000629-78-7 | 91   |
| 4       |   | Heneicosane           | 296 | C21H44   | 000629-94-7 | 90   |
| 5       |   | Nonadecane, 9-methyl- | 282 | C20H42   | 013287-24-6 | 90   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032818\  
Data File : BF104031.D  
Acq On : 29 Mar 2018 00:40  
Operator : JU/SJ  
Sample : J1754-11 5X  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

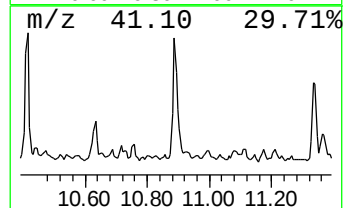
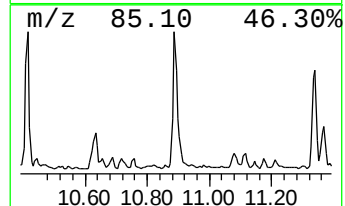
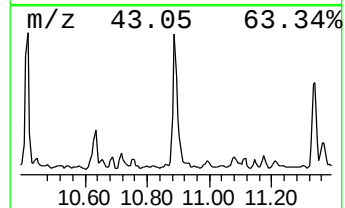
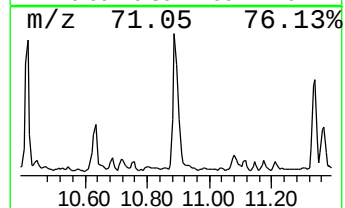
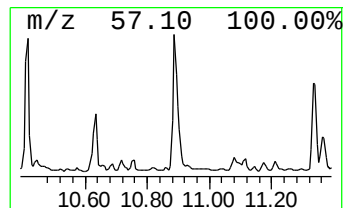
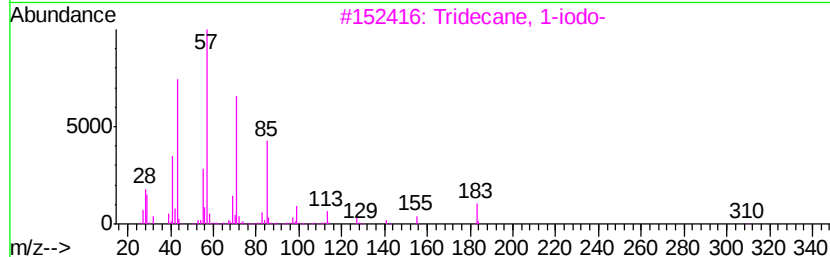
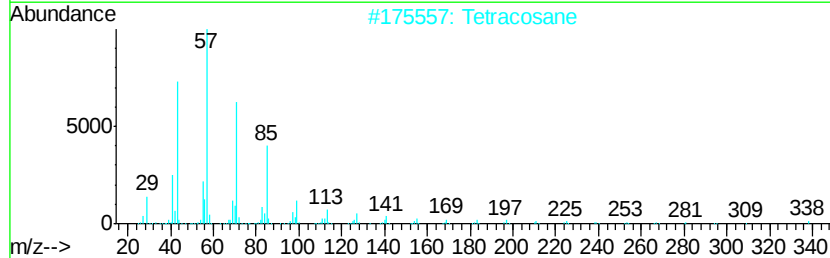
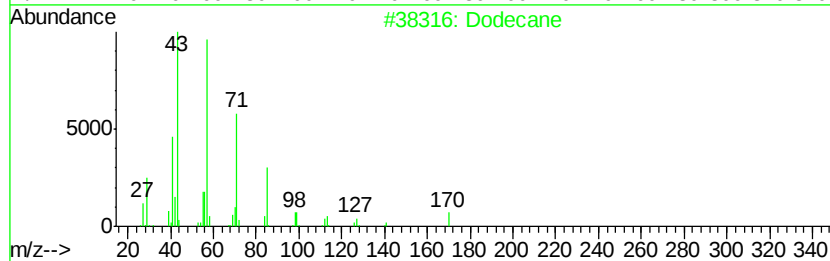
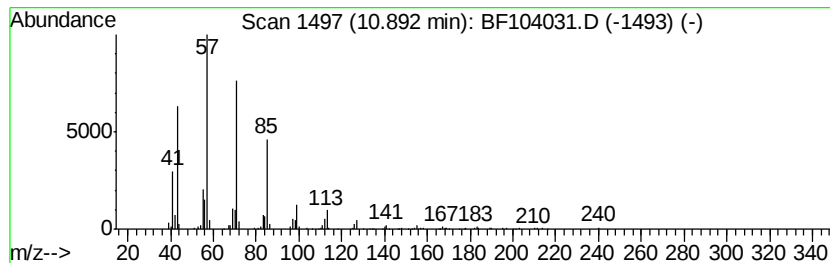
Instrument :  
BNA\_F  
ClientSampleId :  
CL-02-032718-A

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF032818.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 Concentration Rank 6

| R.T.    | EstConc            | Area         | Relative to ISTD | R.T.    |             |      |
|---------|--------------------|--------------|------------------|---------|-------------|------|
| 10.89   | 16.30 ng           | 601748       | Phenanthrene-d10 | 11.50   |             |      |
| Hit# of | 5                  | Tentative ID | MW               | MolForm | CAS#        | Qual |
| 1       | Dodecane           |              | 170              | C12H26  | 000112-40-3 | 90   |
| 2       | Tetracosane        |              | 338              | C24H50  | 000646-31-1 | 90   |
| 3       | Tridecane, 1-iodo- |              | 310              | C13H27I | 035599-77-0 | 90   |
| 4       | Hexadecane         |              | 226              | C16H34  | 000544-76-3 | 90   |
| 5       | Heneicosane        |              | 296              | C21H44  | 000629-94-7 | 90   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032818\  
Data File : BF104031.D  
Acq On : 29 Mar 2018 00:40  
Operator : JU/SJ  
Sample : J1754-11 5X  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CL-02-032718-A

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

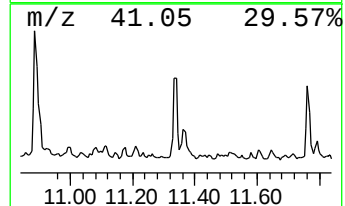
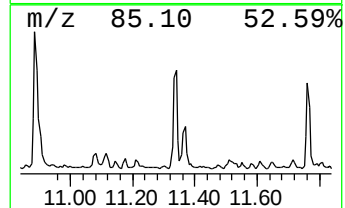
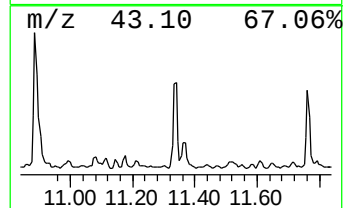
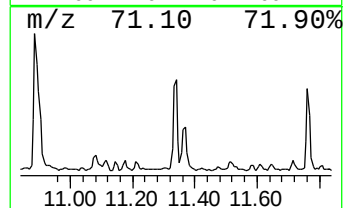
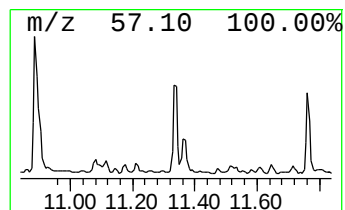
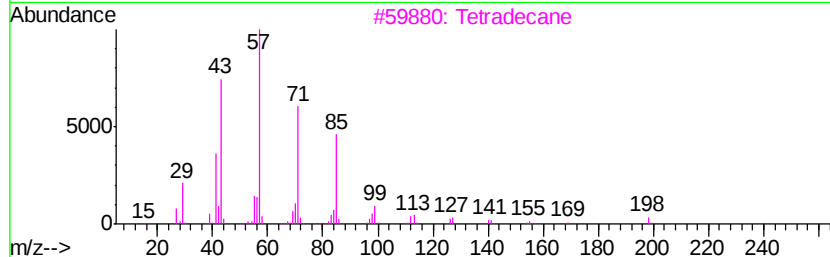
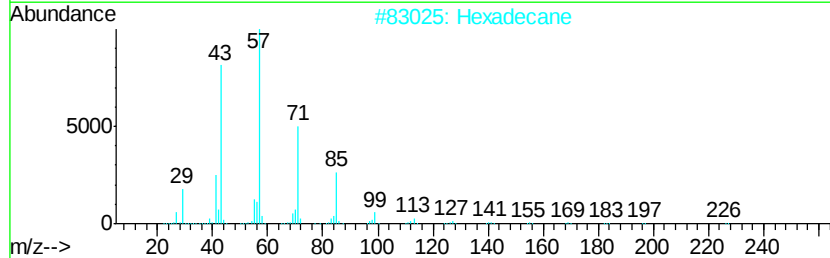
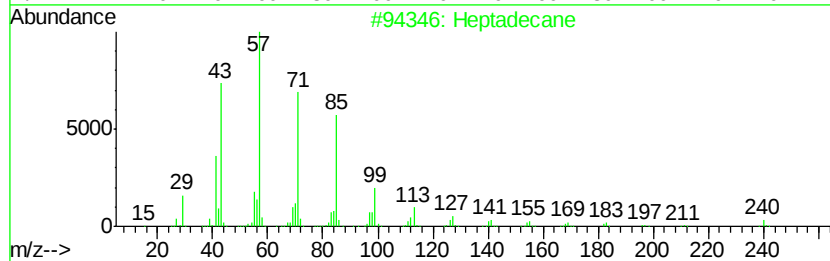
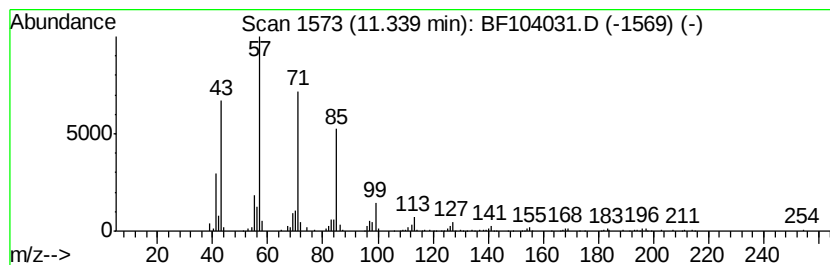
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 Heptadecane Concentration Rank 12

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 11.34 | 8.13 ng | 300110 | Phenanthrene-d10 | 11.50 |

| Hit# | of | Tentative ID        | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------|-----|---------|-------------|------|
| 1    | 5  | Heptadecane         | 240 | C17H36  | 000629-78-7 | 91   |
| 2    |    | Hexadecane          | 226 | C16H34  | 000544-76-3 | 90   |
| 3    |    | Tetradecane         | 198 | C14H30  | 000629-59-4 | 90   |
| 4    |    | Dodecane, 4-methyl- | 184 | C13H28  | 006117-97-1 | 87   |
| 5    |    | Heneicosane         | 296 | C21H44  | 000629-94-7 | 72   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032818\  
Data File : BF104031.D  
Acq On : 29 Mar 2018 00:40  
Operator : JU/SJ  
Sample : J1754-11 5X  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CL-02-032718-A

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

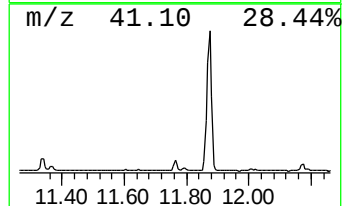
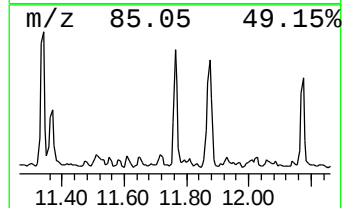
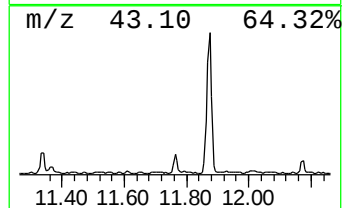
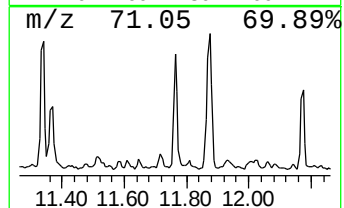
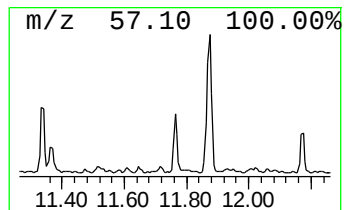
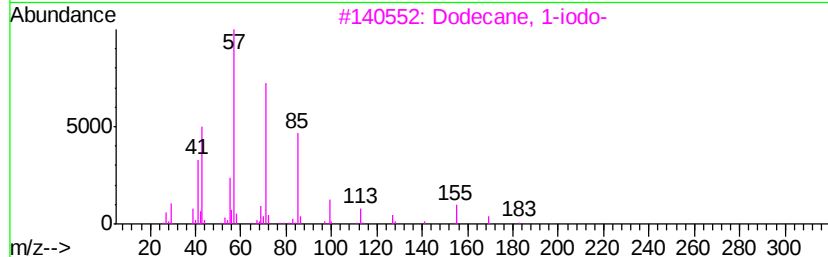
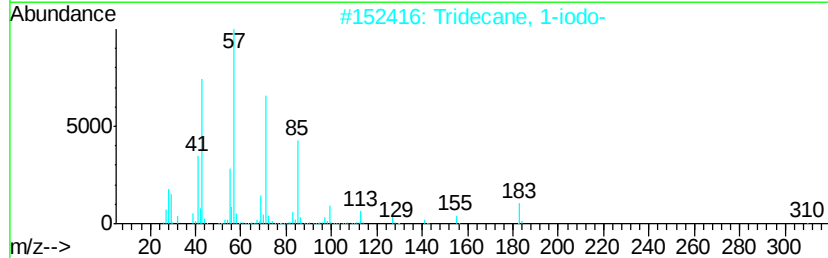
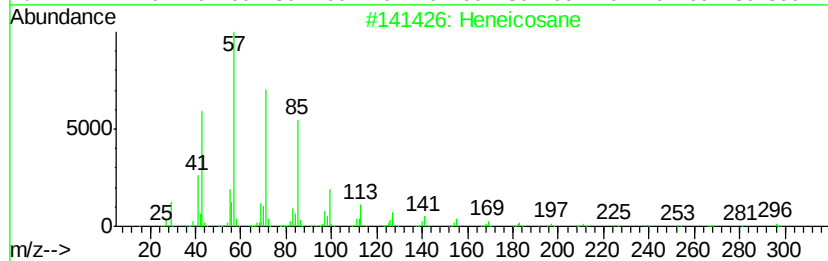
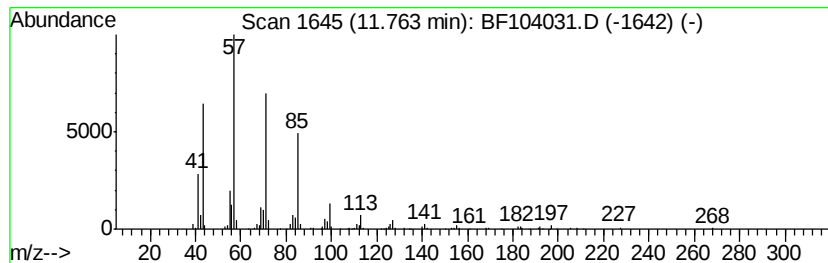
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 11 Heneicosane Concentration Rank 17

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 11.76 | 6.16 ng | 227418 | Phenanthrene-d10 | 11.50 |

| Hit# | of | 5 | Tentative ID       | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------|-----|---------|-------------|------|
| 1    |    |   | Heneicosane        | 296 | C21H44  | 000629-94-7 | 91   |
| 2    |    |   | Tridecane, 1-iodo- | 310 | C13H27I | 035599-77-0 | 86   |
| 3    |    |   | Dodecane, 1-iodo-  | 296 | C12H25I | 004292-19-7 | 80   |
| 4    |    |   | Heptacosane        | 380 | C27H56  | 000593-49-7 | 74   |
| 5    |    |   | Eicosane           | 282 | C20H42  | 000112-95-8 | 72   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032818\  
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Operator : JU/SJ  
Sample : J1754-11 5X  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CL-02-032718-A

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF032818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

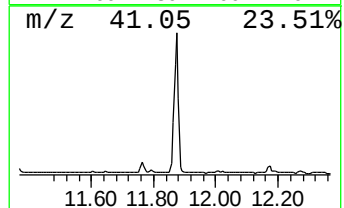
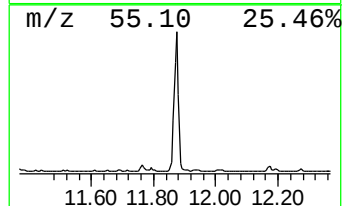
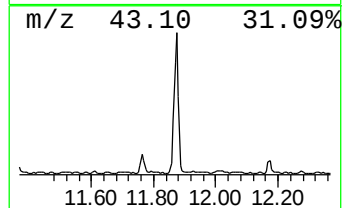
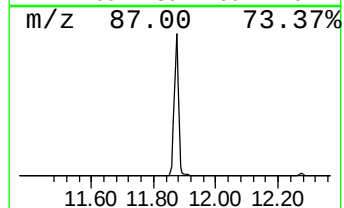
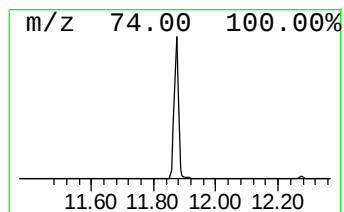
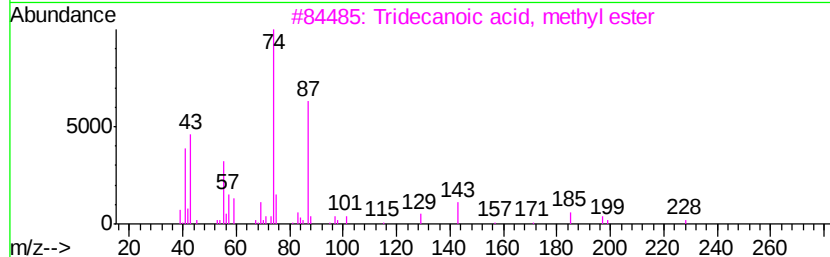
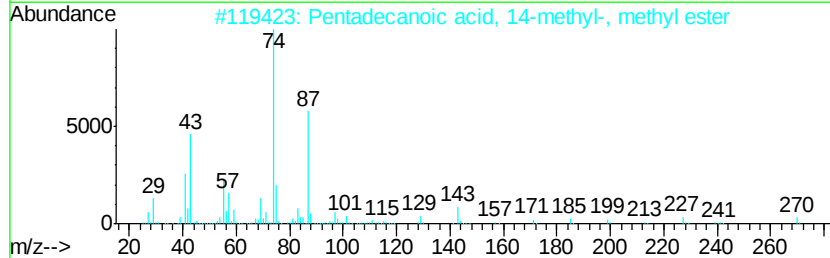
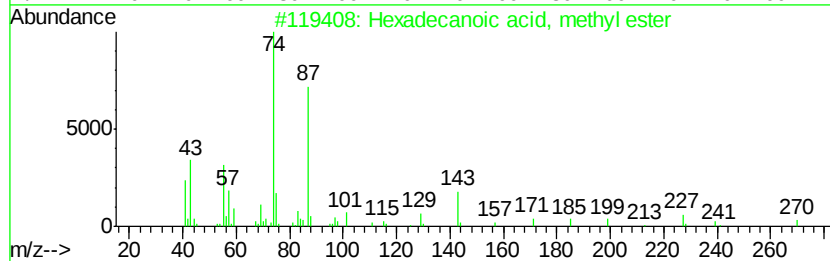
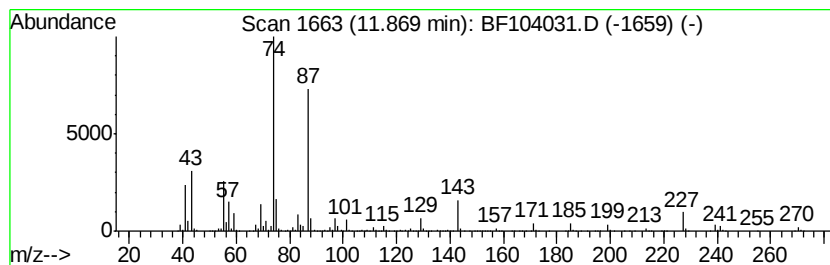
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 12 Hexadecanoic acid, methyl e... Concentration Rank 3

| R.T.  | EstConc   | Area    | Relative to ISTD | R.T.  |
|-------|-----------|---------|------------------|-------|
| 11.87 | 129.96 ng | 4797820 | Phenanthrene-d10 | 11.50 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Hexadecanoic acid, methyl ester     | 270 | C17H34O2 | 000112-39-0 | 98   |
| 2    |    | Pentadecanoic acid, 14-methyl-, ... | 270 | C17H34O2 | 005129-60-2 | 92   |
| 3    |    | Tridecanoic acid, methyl ester      | 228 | C14H28O2 | 001731-88-0 | 90   |
| 4    |    | Decanoic acid, methyl ester         | 186 | C11H22O2 | 000110-42-9 | 87   |
| 5    |    | Pentadecanoic acid, methyl ester    | 256 | C16H32O2 | 007132-64-1 | 86   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032818\  
Data File : BF104031.D  
Acq On : 29 Mar 2018 00:40  
Operator : JU/SJ  
Sample : J1754-11 5X  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CL-02-032718-A

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF032818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

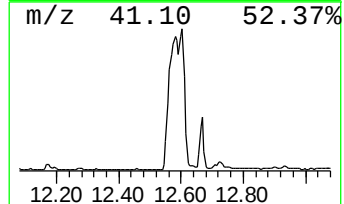
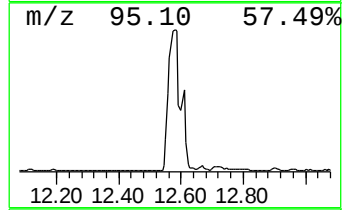
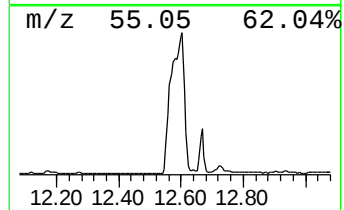
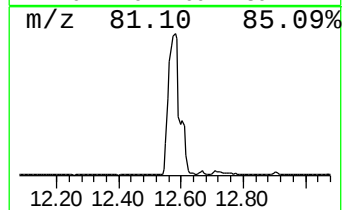
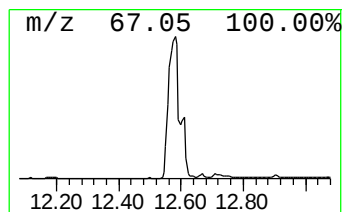
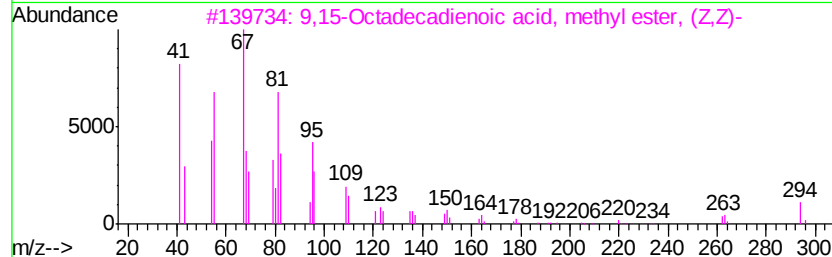
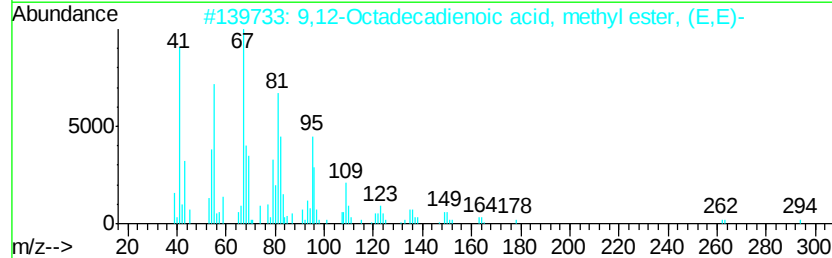
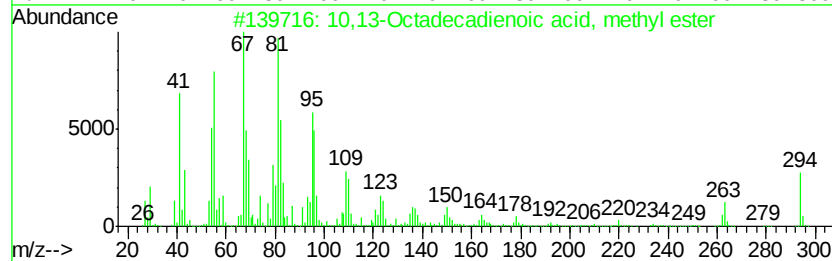
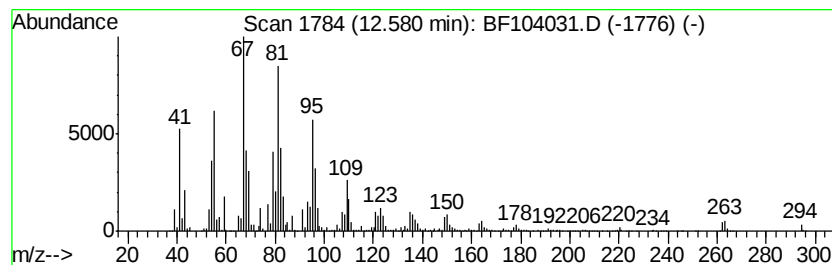
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 13 10,13-Octadecadienoic acid,... Concentration Rank 1

| R.T.  | EstConc   | Area     | Relative to ISTD | R.T.  |
|-------|-----------|----------|------------------|-------|
| 12.58 | 349.08 ng | 12887200 | Phenanthrene-d10 | 11.50 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 10,13-Octadecadienoic acid, meth... | 294 | C19H34O2 | 056554-62-2 | 99   |
| 2    |    | 9,12-Octadecadienoic acid, methy... | 294 | C19H34O2 | 002566-97-4 | 99   |
| 3    |    | 9,15-Octadecadienoic acid, methv... | 294 | C19H34O2 | 017309-05-6 | 99   |
| 4    |    | 9,12-Octadecadienoic acid, methy... | 294 | C19H34O2 | 002462-85-3 | 99   |
| 5    |    | 9,12-Octadecadienoic acid (Z,Z)-... | 294 | C19H34O2 | 000112-63-0 | 99   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032818\  
Data File : BF104031.D  
Acq On : 29 Mar 2018 00:40  
Operator : JU/SJ  
Sample : J1754-11 5X  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CL-02-032718-A

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

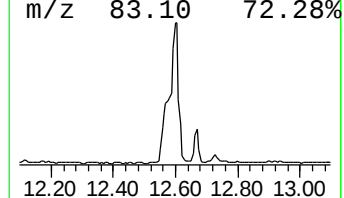
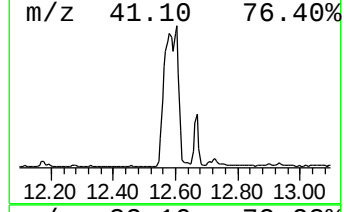
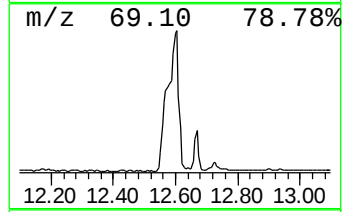
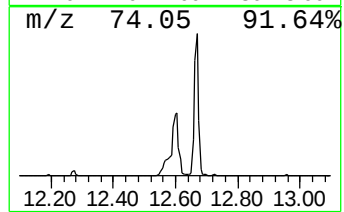
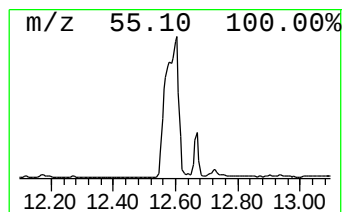
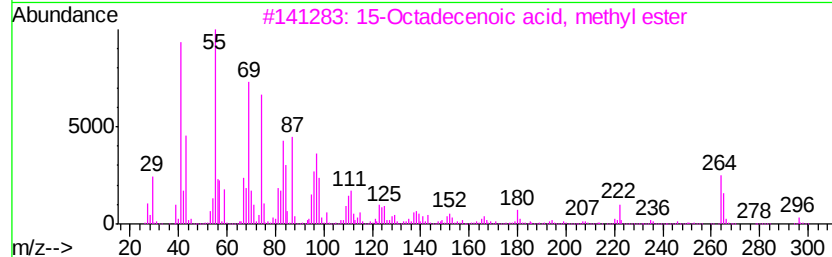
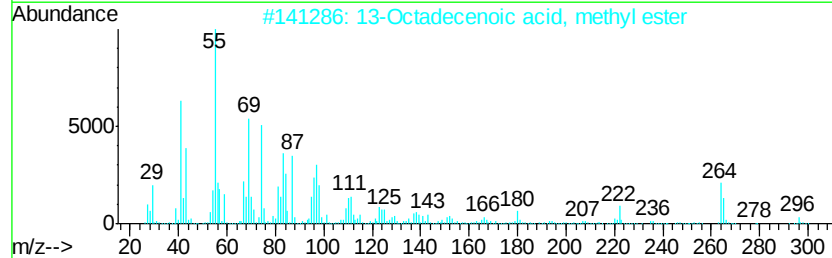
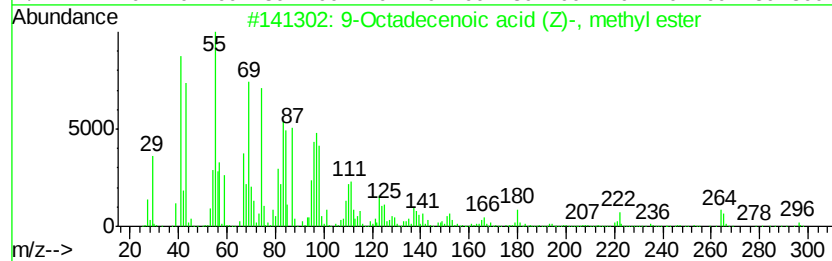
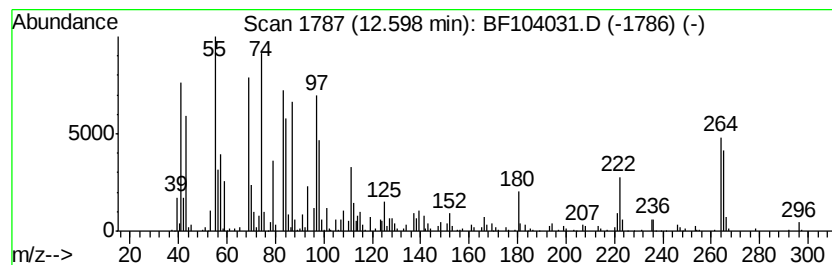
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 14 9-Octadecenoic acid (Z)-, m... Concentration Rank 2

| R.T.  | EstConc   | Area    | Relative to ISTD | R.T.  |
|-------|-----------|---------|------------------|-------|
| 12.60 | 173.23 ng | 6395060 | Phenanthrene-d10 | 11.50 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 9-Octadecenoic acid (Z)-, methyl... | 296 | C19H36O2 | 000112-62-9 | 70   |
| 2    |    | 13-Octadecenoic acid, methyl ester  | 296 | C19H36O2 | 056554-47-3 | 68   |
| 3    |    | 15-Octadecenoic acid, methyl ester  | 296 | C19H36O2 | 004764-72-1 | 68   |
| 4    |    | 11-Octadecenoic acid, methyl ester  | 296 | C19H36O2 | 052380-33-3 | 60   |
| 5    |    | 16-Octadecenoic acid, methyl ester  | 296 | C19H36O2 | 056554-49-5 | 60   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032818\  
Data File : BF104031.D  
Acq On : 29 Mar 2018 00:40  
Operator : JU/SJ  
Sample : J1754-11 5X  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CL-02-032718-A

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF032818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

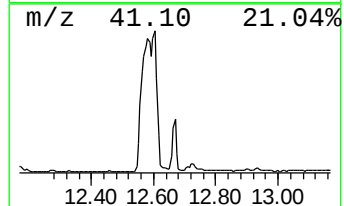
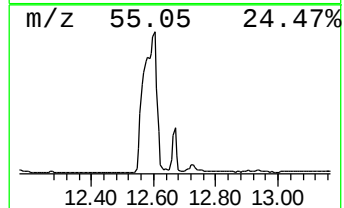
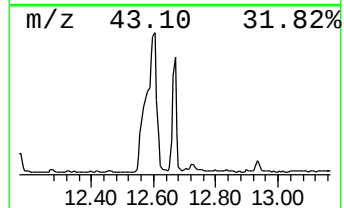
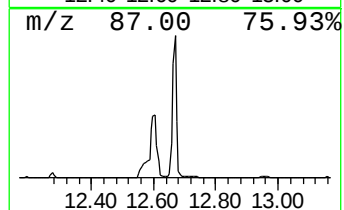
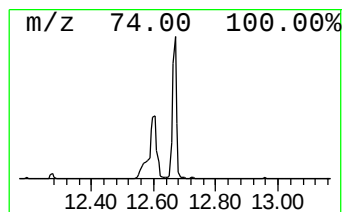
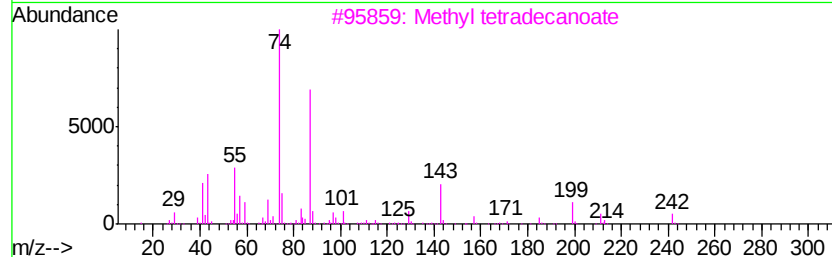
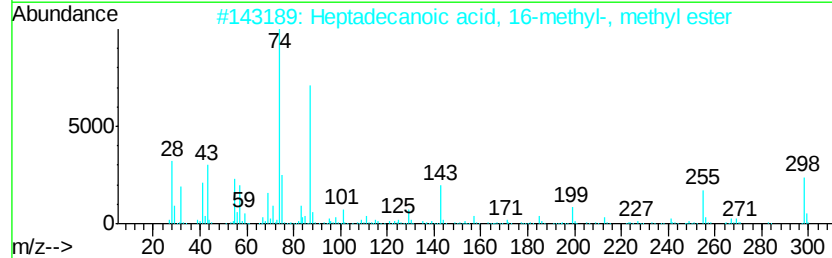
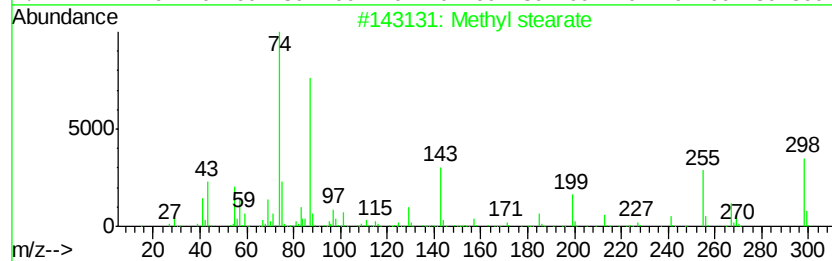
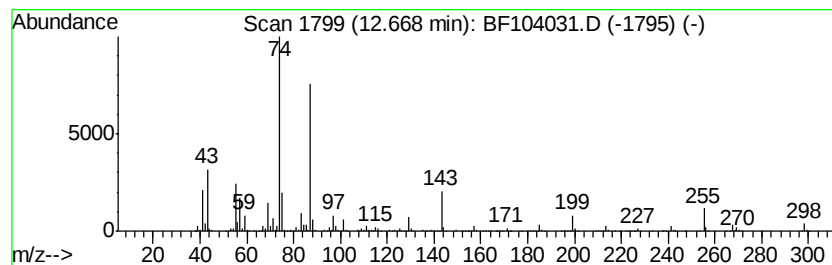
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 15 Methyl stearate Concentration Rank 4

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 12.67 | 61.18 ng | 2258450 | Phenanthrene-d10 | 11.50 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Methyl stearate                     | 298 | C19H38O2 | 000112-61-8 | 98   |
| 2    |    | Heptadecanoic acid, 16-methyl-, ... | 298 | C19H38O2 | 005129-61-3 | 90   |
| 3    |    | Methyl tetradecanoate               | 242 | C15H30O2 | 000124-10-7 | 87   |
| 4    |    | Hexadecanoic acid, methyl ester     | 270 | C17H34O2 | 000112-39-0 | 87   |
| 5    |    | Heptadecanoic acid, 15-methyl-, ... | 298 | C19H38O2 | 054833-55-5 | 87   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032818\  
Data File : BF104031.D  
Acq On : 29 Mar 2018 00:40  
Operator : JU/SJ  
Sample : J1754-11 5X  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

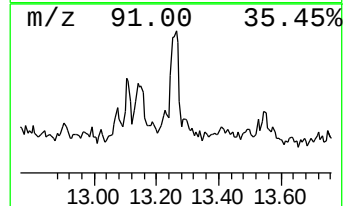
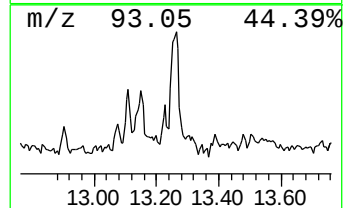
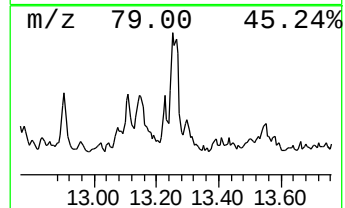
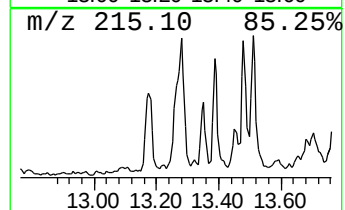
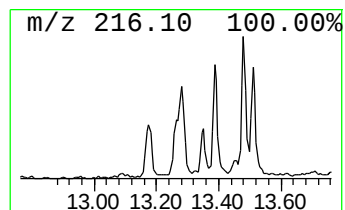
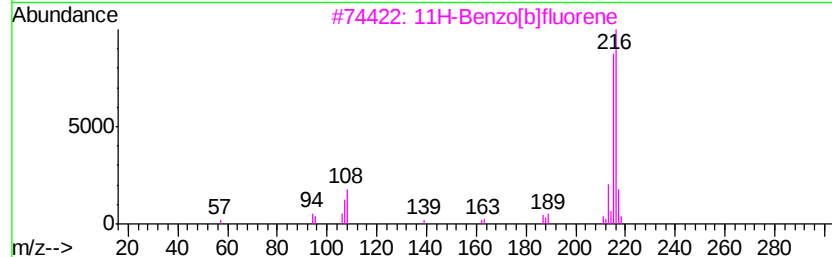
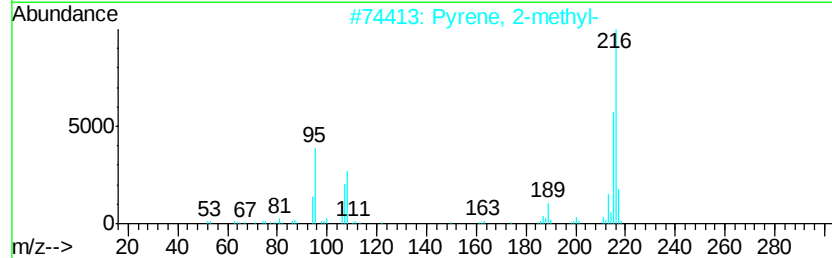
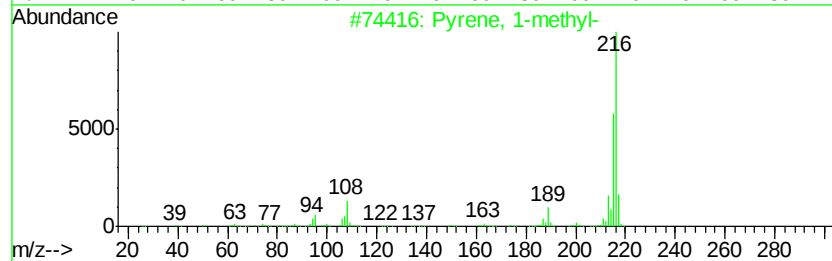
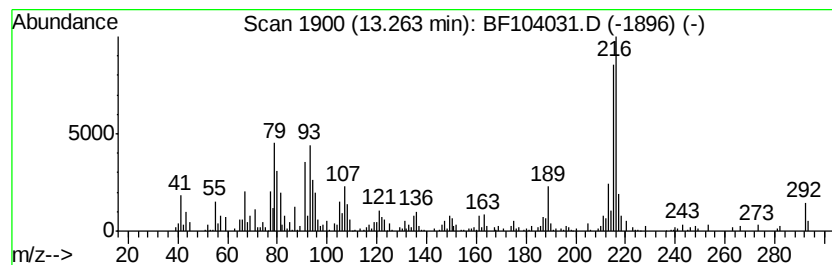
Instrument :  
BNA\_F  
ClientSampleId :  
CL-02-032718-A

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 16 Pyrene, 1-methyl- Concentration Rank 15

| R.T.    | EstConc | Area                    | Relative to ISTD | R.T.           |
|---------|---------|-------------------------|------------------|----------------|
| 13.26   | 6.44 ng | 280635                  | Chrysene-d12     | 14.16          |
| Hit# of | 5       | Tentative ID            | MW MolForm       | CAS# Qual      |
| 1       |         | Pyrene, 1-methyl-       | 216 C17H12       | 002381-21-7 86 |
| 2       |         | Pyrene, 2-methyl-       | 216 C17H12       | 003442-78-2 70 |
| 3       |         | 11H-Benzo[b]fluorene    | 216 C17H12       | 000243-17-4 60 |
| 4       |         | 7H-Benzo[c]fluorene     | 216 C17H12       | 000205-12-9 58 |
| 5       |         | Fluoranthene, 2-methyl- | 216 C17H12       | 033543-31-6 50 |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032818\  
Data File : BF104031.D  
Acq On : 29 Mar 2018 00:40  
Operator : JU/SJ  
Sample : J1754-11 5X  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CL-02-032718-A

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF032818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

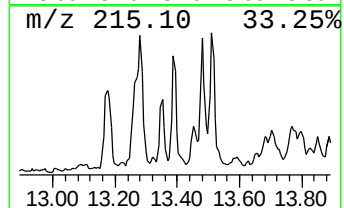
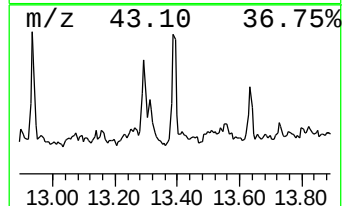
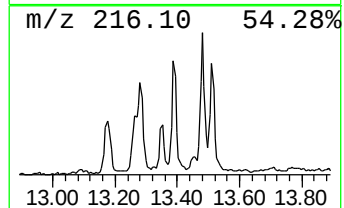
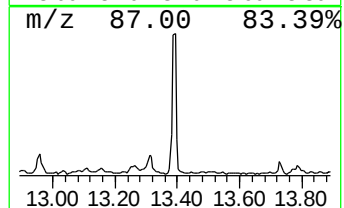
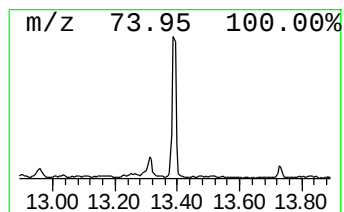
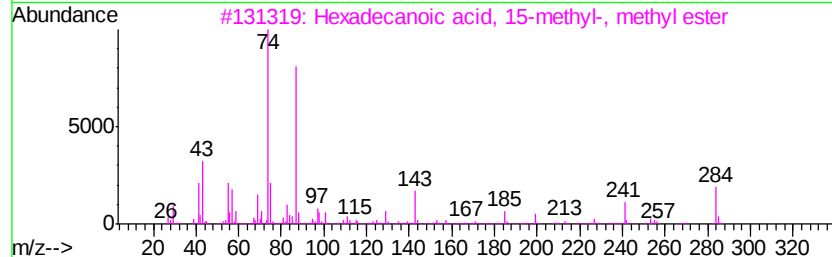
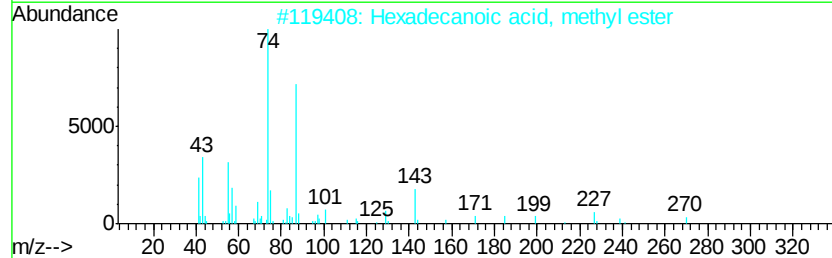
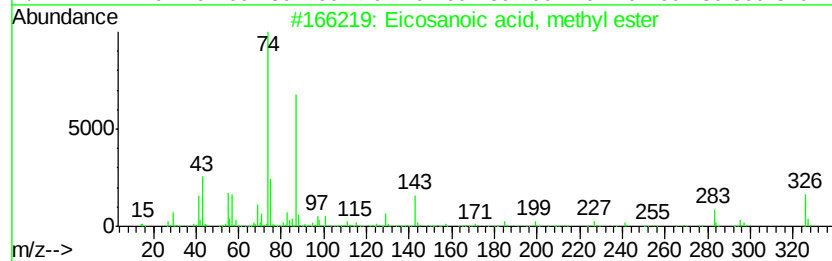
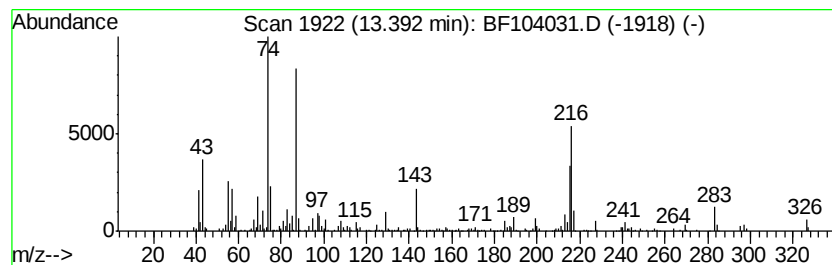
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 17 Eicosanoic acid, methyl ester Concentration Rank 13

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 13.39 | 7.17 ng | 312529 | Chrysene-d12     | 14.16 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|-------------------------------------|-----|----------|--------------|------|
| 1    | 5  | Eicosanoic acid, methyl ester       | 326 | C21H42O2 | 001120-28-1  | 97   |
| 2    |    | Hexadecanoic acid, methyl ester     | 270 | C17H34O2 | 000112-39-0  | 91   |
| 3    |    | Hexadecanoic acid, 15-methyl-, m... | 284 | C18H36O2 | 006929-04-0  | 86   |
| 4    |    | Methyl 18-methylnonadecanoate       | 326 | C21H42O2 | 1000352-20-6 | 83   |
| 5    |    | Pyrene, 4-methyl-                   | 216 | C17H12   | 003353-12-6  | 68   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032818\  
Data File : BF104031.D  
Acq On : 29 Mar 2018 00:40  
Operator : JU/SJ  
Sample : J1754-11 5X  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CL-02-032718-A

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

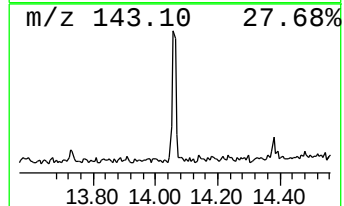
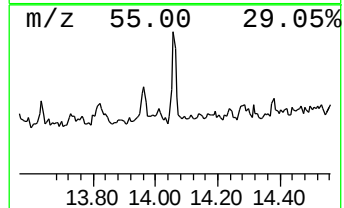
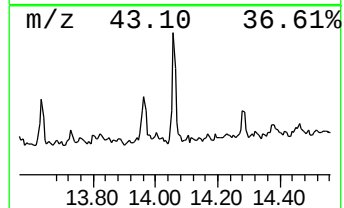
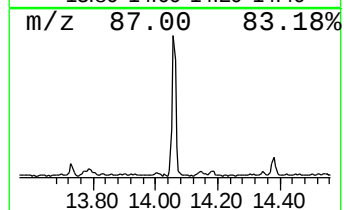
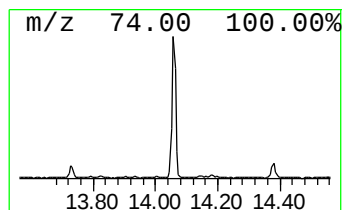
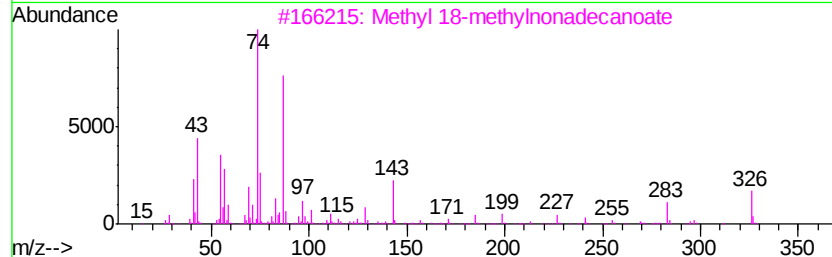
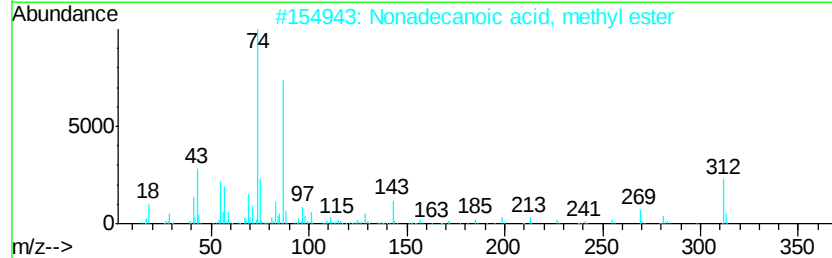
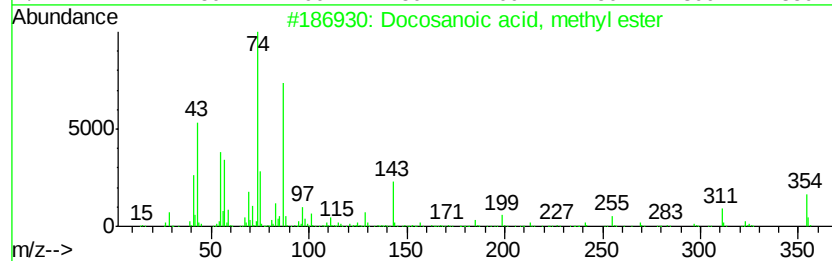
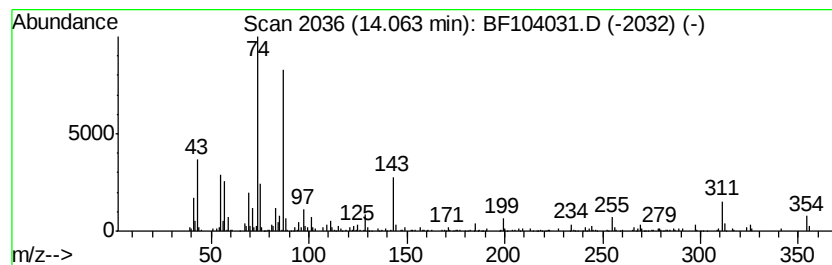
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 18 Docosanoic acid, methyl ester Concentration Rank 20

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 14.06 | 5.32 ng | 232086 | Chrysene-d12     | 14.16 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|-------------------------------------|-----|----------|--------------|------|
| 1    | 5  | Docosanoic acid, methyl ester       | 354 | C23H46O2 | 000929-77-1  | 99   |
| 2    |    | Nonadecanoic acid, methyl ester     | 312 | C20H40O2 | 001731-94-8  | 95   |
| 3    |    | Methyl 18-methylnonadecanoate       | 326 | C21H42O2 | 1000352-20-6 | 90   |
| 4    |    | Methyl stearate                     | 298 | C19H38O2 | 000112-61-8  | 90   |
| 5    |    | Octadecanoic acid, 10-methyl-, m... | 312 | C20H40O2 | 002490-19-9  | 87   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032818\  
Data File : BF104031.D  
Acq On : 29 Mar 2018 00:40  
Operator : JU/SJ  
Sample : J1754-11 5X  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CL-02-032718-A

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF032818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

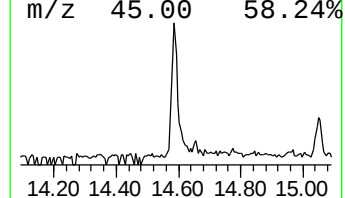
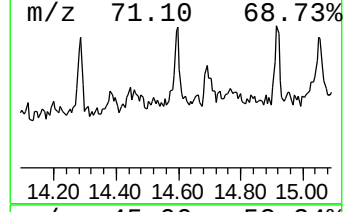
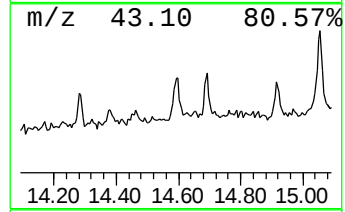
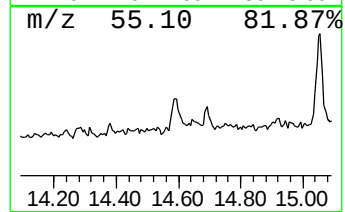
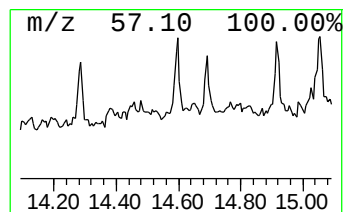
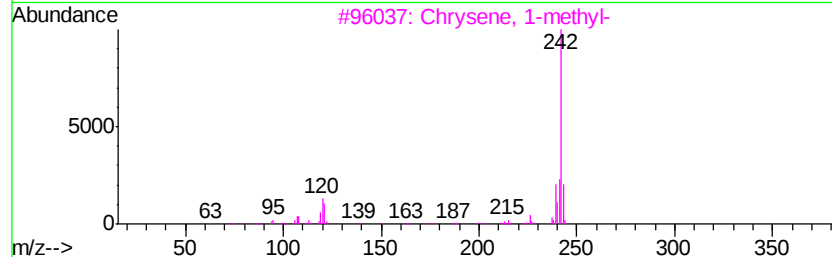
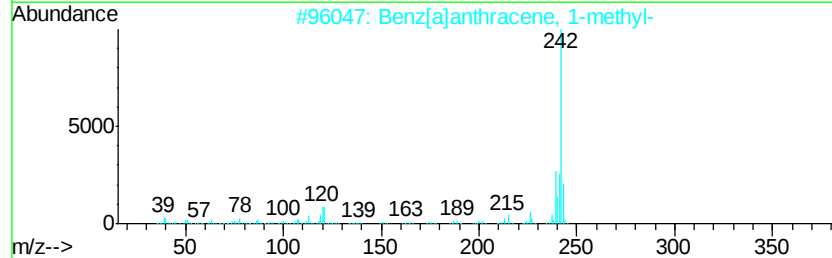
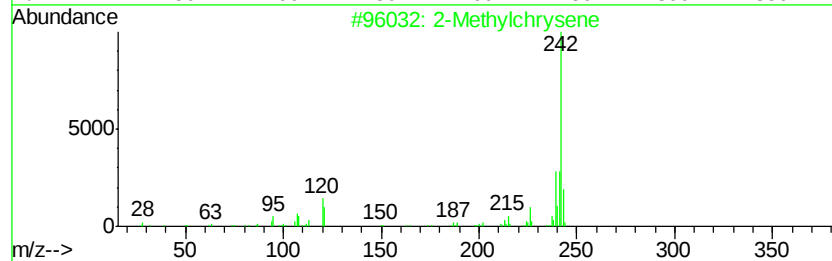
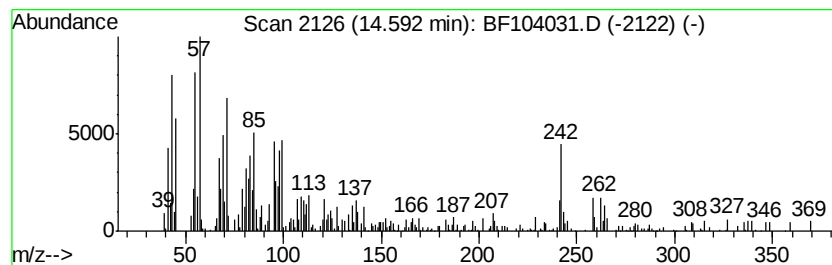
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 19 2-Methylchrysene Concentration Rank 19

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 14.59 | 5.46 ng | 237975 | Chrysene-d12     | 14.16 |

| Hit# | of | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------------|-----|---------|-------------|------|
| 1    | 5  | 2-Methylchrysene             | 242 | C19H14  | 003351-32-4 | 70   |
| 2    |    | Benz[a]anthracene, 1-methyl- | 242 | C19H14  | 002498-77-3 | 64   |
| 3    |    | Chrysene, 1-methyl-          | 242 | C19H14  | 003351-28-8 | 58   |
| 4    |    | Chrysene, 6-methyl-          | 242 | C19H14  | 001705-85-7 | 58   |
| 5    |    | Benz[a]anthracene, 8-methyl- | 242 | C19H14  | 002381-31-9 | 52   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032818\  
Data File : BF104031.D  
Acq On : 29 Mar 2018 00:40  
Operator : JU/SJ  
Sample : J1754-11 5X  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CL-02-032718-A

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF032818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

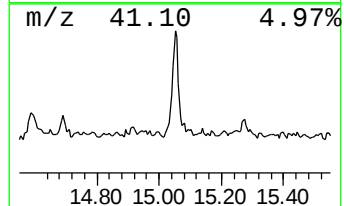
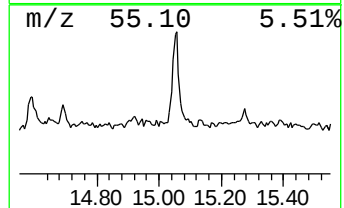
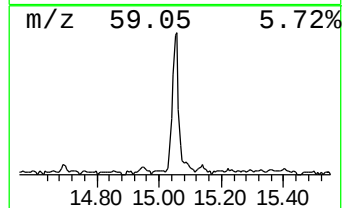
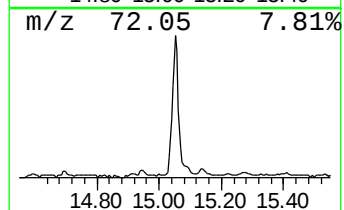
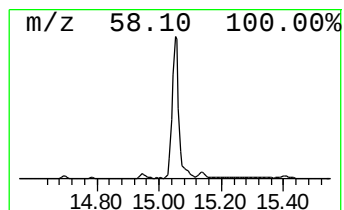
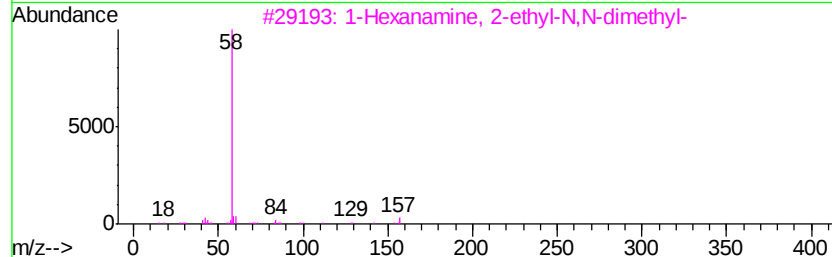
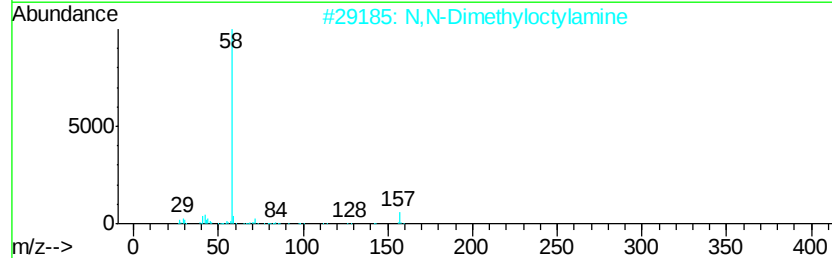
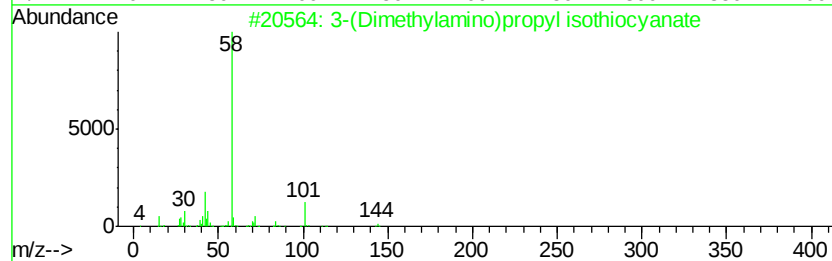
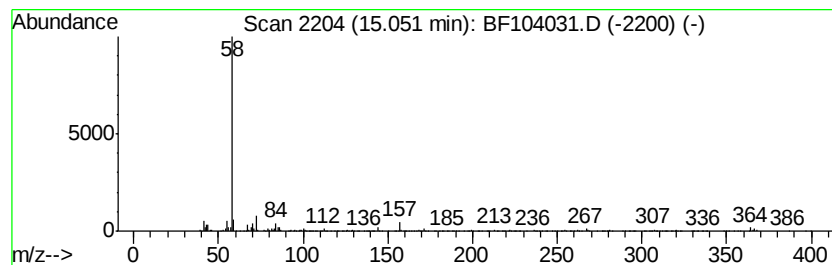
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 20 3-(Dimethylamino)propyl iso... Concentration Rank 5

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 15.05 | 35.53 ng | 969697 | Perylene-d12     | 15.70 |

| Hit# | of | Tentative ID                        | MW  | MolForm     | CAS#        | Qual |
|------|----|-------------------------------------|-----|-------------|-------------|------|
| 1    | 5  | 3-(Dimethylamino)propyl isothioc... | 144 | C6H12N2S    | 027421-70-1 | 72   |
| 2    |    | N,N-Dimethyloctylamine              | 157 | C10H23N     | 007378-99-6 | 72   |
| 3    |    | 1-Hexanamine, 2-ethyl-N,N-dimethyl- | 157 | C10H23N     | 028056-87-3 | 72   |
| 4    |    | 1-Nonanamine, N,N-dimethyl-         | 171 | C11H25N     | 017373-27-2 | 72   |
| 5    |    | Trifluomeprazine                    | 366 | C19H21F3N2S | 002622-37-9 | 64   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032818\  
 Data File : BF104031.D  
 Acq On : 29 Mar 2018 00:40  
 Operator : JU/SJ  
 Sample : J1754-11 5X  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CL-02-032718-A

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF032818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| unknown6.74          | 6.74  | 11.0    | ng    | 380159   | 1                     | 6.97  | 689638 | 20.0 |
| Nonane, 5-butyl-     | 8.82  | 6.8     | ng    | 294351   | 2                     | 8.25  | 870679 | 20.0 |
| Tetradecane          | 9.38  | 9.5     | ng    | 370755   | 3                     | 10.00 | 778708 | 20.0 |
| Nonadecane           | 9.70  | 6.2     | ng    | 240287   | 3                     | 10.00 | 778708 | 20.0 |
| Pentadecane          | 9.92  | 10.5    | ng    | 407979   | 3                     | 10.00 | 778708 | 20.0 |
| Bacchotricuneatin c  | 10.42 | 10.5    | ng    | 408355   | 3                     | 10.00 | 778708 | 20.0 |
| Dodecane             | 10.89 | 16.3    | ng    | 601748   | 4                     | 11.50 | 738350 | 20.0 |
| Heptadecane          | 11.34 | 8.1     | ng    | 300110   | 4                     | 11.50 | 738350 | 20.0 |
| Heneicosane          | 11.76 | 6.2     | ng    | 227418   | 4                     | 11.50 | 738350 | 20.0 |
| Hexadecanoic acid... | 11.87 | 130.0   | ng    | 4797820  | 4                     | 11.50 | 738350 | 20.0 |
| 10,13-Octadecadie... | 12.58 | 349.1   | ng    | 12887200 | 4                     | 11.50 | 738350 | 20.0 |
| 9-Octadecenoic ac... | 12.60 | 173.2   | ng    | 6395060  | 4                     | 11.50 | 738350 | 20.0 |
| Methyl stearate      | 12.67 | 61.2    | ng    | 2258450  | 4                     | 11.50 | 738350 | 20.0 |
| Pyrene, 1-methyl-    | 13.26 | 6.4     | ng    | 280635   | 5                     | 14.16 | 871917 | 20.0 |
| Eicosanoic acid, ... | 13.39 | 7.2     | ng    | 312529   | 5                     | 14.16 | 871917 | 20.0 |
| Docosanoic acid, ... | 14.06 | 5.3     | ng    | 232086   | 5                     | 14.16 | 871917 | 20.0 |
| 2-Methylchrysene     | 14.59 | 5.5     | ng    | 237975   | 5                     | 14.16 | 871917 | 20.0 |
| 3-(Dimethylamino)... | 15.05 | 35.5    | ng    | 969697   | 6                     | 15.70 | 545829 | 20.0 |