

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022119\  
 Data File : BF112652.D  
 Acq On : 21 Feb 2019 15:02  
 Operator : JU/SJ  
 Sample : K1344-03 5X  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 NB-08-022019-B

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:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF012519.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         | 5.463       | 571           | 574         | 596          | rBV      | 138084         | 265667        | 17.03%          | 2.350%        |
| 2         | 6.487       | 745           | 748         | 765          | rBV      | 142621         | 305724        | 19.60%          | 2.704%        |
| 3         | 6.604       | 765           | 768         | 778          | rVB      | 296406         | 347712        | 22.29%          | 3.076%        |
| 4         | 6.822       | 801           | 805         | 822          | rBV      | 458687         | 454474        | 29.14%          | 4.020%        |
| 5         | 6.975       | 828           | 831         | 844          | rBV      | 271590         | 278606        | 17.86%          | 2.464%        |
| 6         | 7.392       | 899           | 902         | 918          | rBV      | 116011         | 191371        | 12.27%          | 1.693%        |
| 7         | 8.104       | 1019          | 1023        | 1035         | rBV      | 567717         | 592898        | 38.01%          | 5.245%        |
| 8         | 9.175       | 1201          | 1205        | 1215         | rBV      | 475624         | 462816        | 29.67%          | 4.094%        |
| 9         | 9.251       | 1215          | 1218        | 1223         | rVB      | 28076          | 27498         | 1.76%           | 0.243%        |
| 10        | 9.575       | 1268          | 1273        | 1279         | rBV2     | 33855          | 46838         | 3.00%           | 0.414%        |
| 11        | 9.780       | 1305          | 1308        | 1311         | rVB      | 38223          | 29157         | 1.87%           | 0.258%        |
| 12        | 9.857       | 1317          | 1321        | 1330         | rBV2     | 743273         | 706364        | 45.28%          | 6.248%        |
| 13        | 10.275      | 1387          | 1392        | 1396         | rBV      | 40220          | 39546         | 2.54%           | 0.350%        |
| 14        | 10.498      | 1424          | 1430        | 1436         | rBV2     | 17887          | 25561         | 1.64%           | 0.226%        |
| 15        | 10.657      | 1454          | 1457        | 1466         | rBV      | 200312         | 241730        | 15.50%          | 2.138%        |
| 16        | 10.751      | 1470          | 1473        | 1477         | rBV      | 47044          | 54615         | 3.50%           | 0.483%        |
| 17        | 11.198      | 1546          | 1549        | 1552         | rBV      | 44389          | 37202         | 2.38%           | 0.329%        |
| 18        | 11.227      | 1552          | 1554        | 1561         | rVB4     | 15667          | 16806         | 1.08%           | 0.149%        |
| 19        | 11.345      | 1571          | 1574        | 1584         | rBV      | 591105         | 664806        | 42.62%          | 5.881%        |
| 20        | 11.622      | 1618          | 1621        | 1624         | rBV      | 42958          | 31889         | 2.04%           | 0.282%        |
| 21        | 11.722      | 1635          | 1638        | 1642         | rBV      | 583352         | 467453        | 29.97%          | 4.135%        |
| 22        | 11.863      | 1658          | 1662        | 1670         | rBV4     | 29683          | 56513         | 3.62%           | 0.500%        |
| 23        | 12.027      | 1686          | 1690        | 1696         | rBV      | 35870          | 31088         | 1.99%           | 0.275%        |
| 24        | 12.410      | 1751          | 1755        | 1756         | rBV      | 1613181        | 1380249       | 88.49%          | 12.209%       |
| 25        | 12.427      | 1756          | 1758        | 1765         | rVV      | 1607931        | 1559836       | 100.00%         | 13.798%       |
| 26        | 12.510      | 1769          | 1772        | 1776         | rVB      | 212595         | 188397        | 12.08%          | 1.667%        |
| 27        | 12.574      | 1778          | 1783        | 1786         | rBV2     | 26216          | 50488         | 3.24%           | 0.447%        |
| 28        | 12.751      | 1808          | 1813        | 1817         | rBV2     | 41301          | 42219         | 2.71%           | 0.373%        |
| 29        | 12.786      | 1817          | 1819        | 1827         | rVB2     | 29493          | 40641         | 2.61%           | 0.360%        |
| 30        | 12.921      | 1839          | 1842        | 1846         | rBV      | 409076         | 390238        | 25.02%          | 3.452%        |
| 31        | 13.074      | 1865          | 1868        | 1869         | rBV2     | 30923          | 27632         | 1.77%           | 0.244%        |
| 32        | 13.145      | 1877          | 1880        | 1881         | rBV      | 19225          | 18282         | 1.17%           | 0.162%        |
| 33        | 13.233      | 1893          | 1895        | 1898         | rBV      | 26102          | 24244         | 1.55%           | 0.214%        |
| 34        | 13.480      | 1935          | 1937        | 1940         | rBV      | 20888          | 20608         | 1.32%           | 0.182%        |

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Sample : K1344-03 5X  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
NB-08-022019-B

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-BF012519.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 35 | 13.810 | 1990 | 1993 | 2001 | rBV3 | 40764  | 63554  | 4.07%  | 0.562% |
| 36 | 13.904 | 2006 | 2009 | 2011 | rBV2 | 23563  | 19595  | 1.26%  | 0.173% |
| 37 | 13.998 | 2021 | 2025 | 2033 | rVB  | 535968 | 551848 | 35.38% | 4.882% |
| 38 | 14.127 | 2044 | 2047 | 2052 | rBV  | 75746  | 75584  | 4.85%  | 0.669% |
| 39 | 14.433 | 2095 | 2099 | 2106 | rBV  | 126557 | 161422 | 10.35% | 1.428% |
| 40 | 14.733 | 2146 | 2150 | 2154 | rVB  | 147085 | 140760 | 9.02%  | 1.245% |
| 41 | 15.062 | 2202 | 2206 | 2217 | rVB  | 142695 | 196017 | 12.57% | 1.734% |
| 42 | 15.433 | 2265 | 2269 | 2272 | rBV  | 125927 | 152895 | 9.80%  | 1.352% |
| 43 | 15.474 | 2272 | 2276 | 2283 | rVB  | 386945 | 529634 | 33.95% | 4.685% |
| 44 | 15.857 | 2337 | 2341 | 2347 | rBV  | 105703 | 158275 | 10.15% | 1.400% |
| 45 | 16.351 | 2421 | 2425 | 2434 | rVB3 | 78116  | 136030 | 8.72%  | 1.203% |

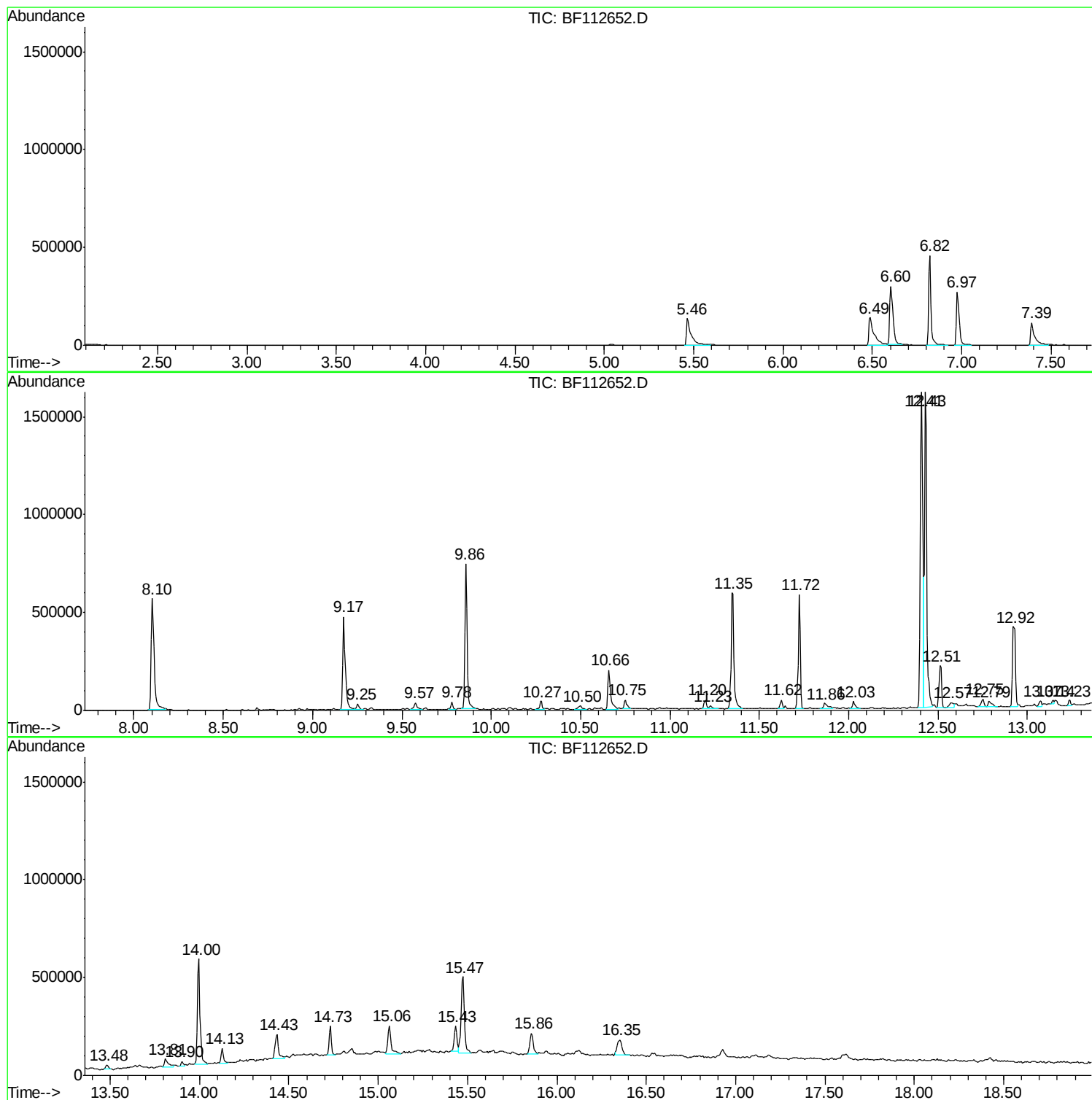
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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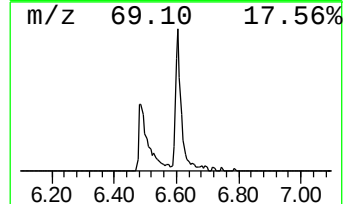
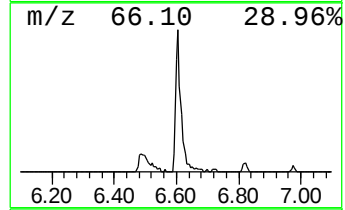
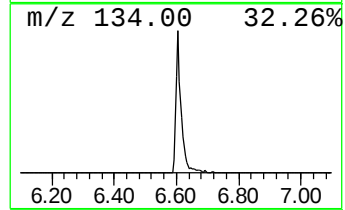
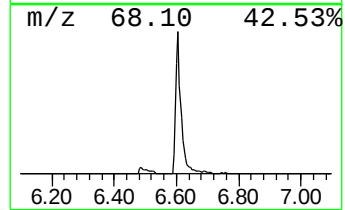
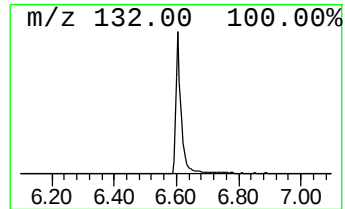
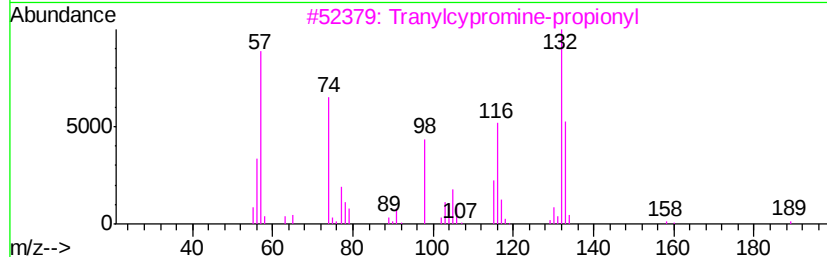
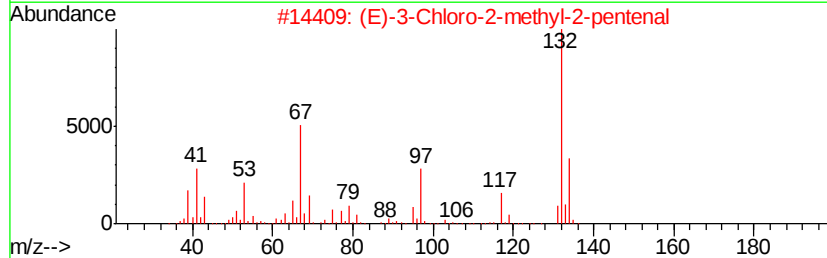
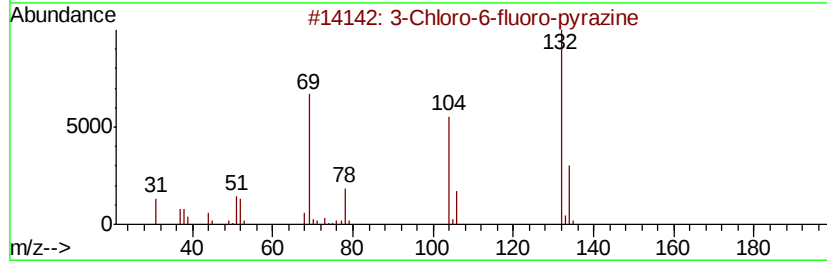
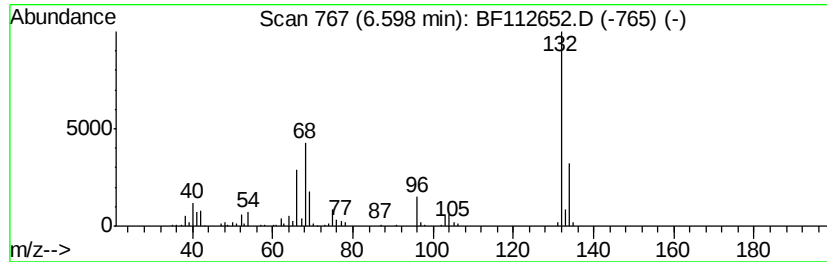
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 unknown6.60 Concentration Rank 3

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 6.60 | 15.30 ng | 347712 | 1,4-Dichlorobenzene-d4 | 6.82 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 35   |
| 2    |    | (E)-3-Chloro-2-methyl-2-pentenal    | 132 | C6H9ClO   | 031357-76-3  | 17   |
| 3    |    | Tranvlcypropine-propionyl           | 189 | C12H15NO  | 1000123-86-3 | 12   |
| 4    |    | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2    | 022291-85-6  | 9    |
| 5    |    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12    | 028749-81-7  | 9    |



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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

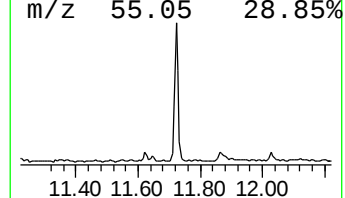
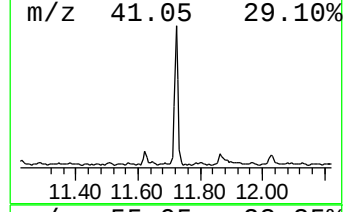
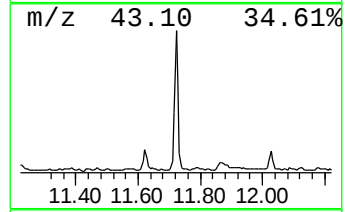
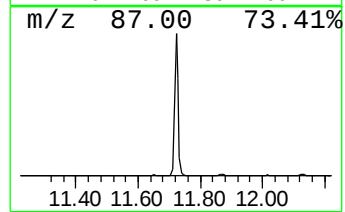
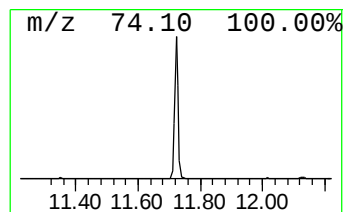
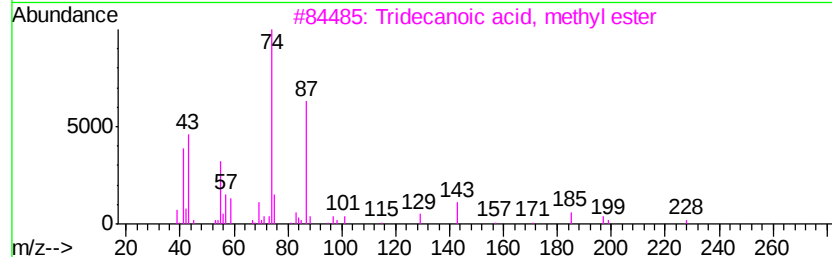
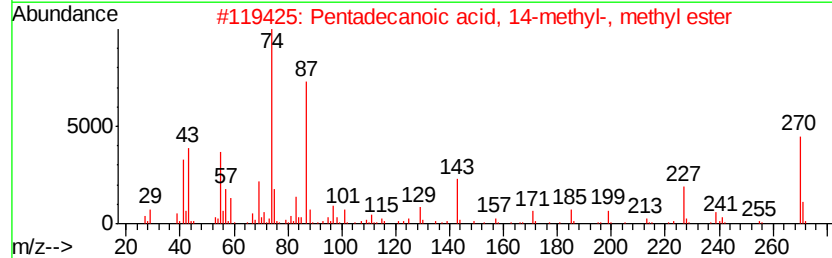
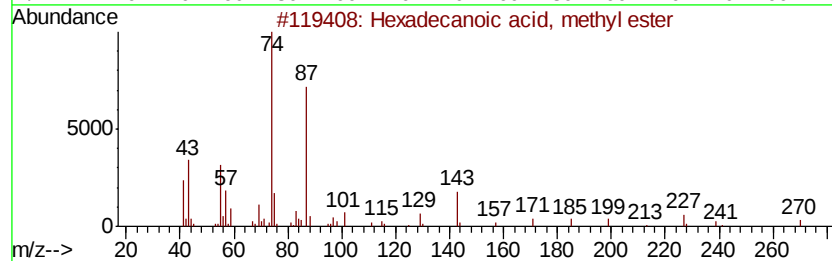
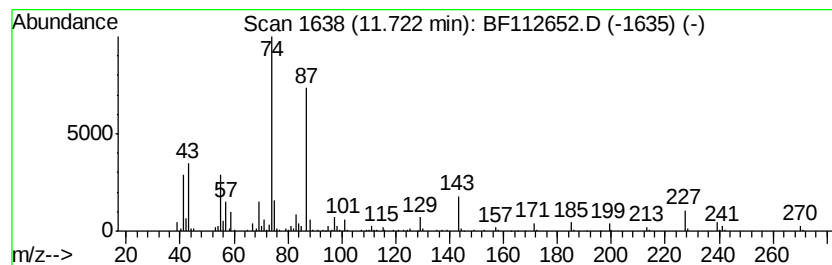
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 Hexadecanoic acid, methyl e... Concentration Rank 4

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 11.72 | 14.06 ng | 467453 | Phenanthrene-d10 | 11.35 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Hexadecanoic acid, methyl ester     | 270 | C17H34O2 | 000112-39-0 | 99   |
| 2    |    | Pentadecanoic acid, 14-methyl-, ... | 270 | C17H34O2 | 005129-60-2 | 97   |
| 3    |    | Tridecanoic acid, methyl ester      | 228 | C14H28O2 | 001731-88-0 | 92   |
| 4    |    | Pentadecanoic acid, methyl ester    | 256 | C16H32O2 | 007132-64-1 | 86   |
| 5    |    | Tridecanoic acid, 12-methyl-, me... | 242 | C15H30O2 | 005129-58-8 | 83   |



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ALS Vial : 9 Sample Multiplier: 1

Instrument :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

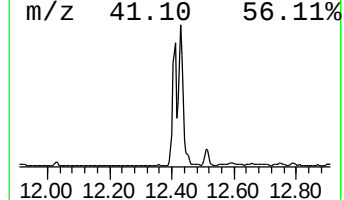
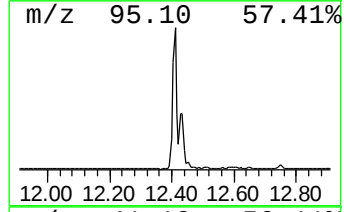
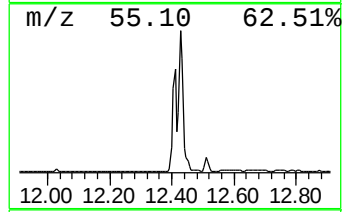
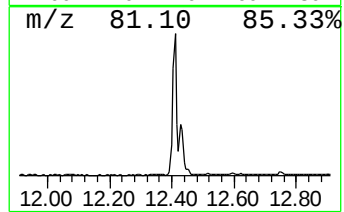
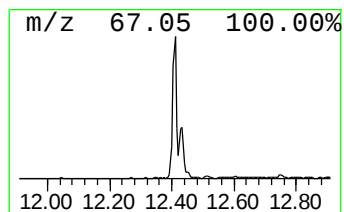
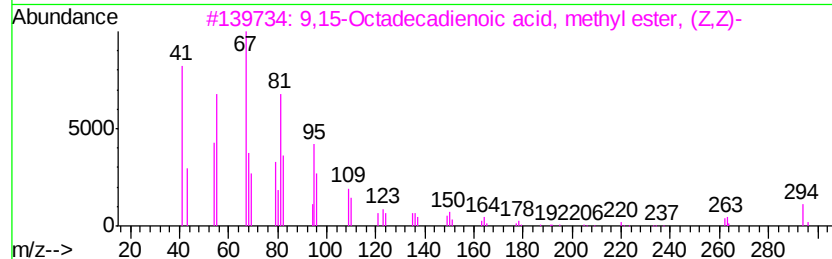
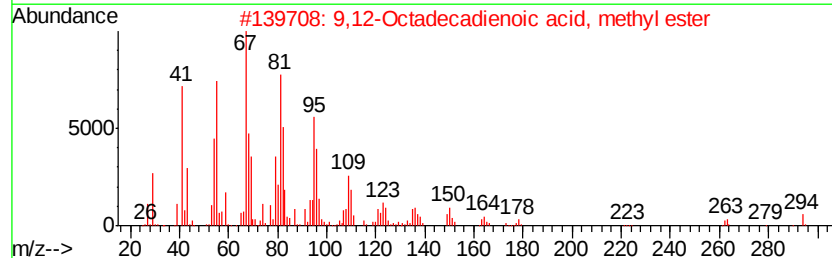
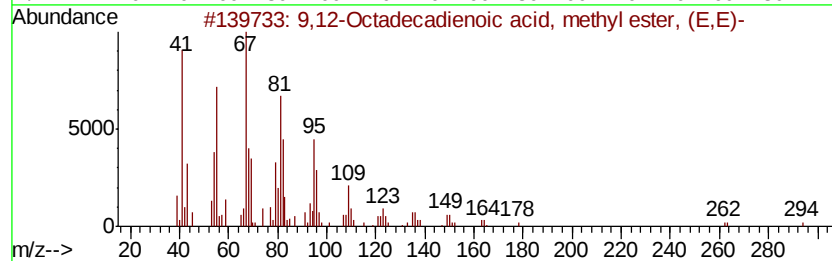
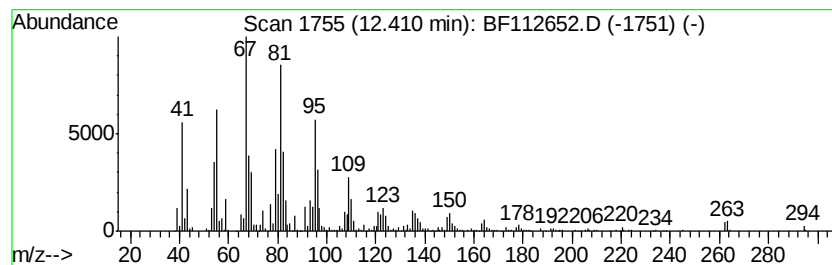
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 9,12-Octadecadienoic acid, ... Concentration Rank 2

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 12.41 | 41.52 ng | 1380250 | Phenanthrene-d10 | 11.35 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|-------------------------------------|-----|----------|--------------|------|
| 1    | 5  | 9,12-Octadecadienoic acid, methy... | 294 | C19H34O2 | 002566-97-4  | 99   |
| 2    |    | 9,12-Octadecadienoic acid, methy... | 294 | C19H34O2 | 002462-85-3  | 99   |
| 3    |    | 9,15-Octadecadienoic acid, methv... | 294 | C19H34O2 | 017309-05-6  | 99   |
| 4    |    | 9,12-Octadecadienoic acid (Z,Z)-... | 294 | C19H34O2 | 000112-63-0  | 99   |
| 5    |    | Methyl 9-cis,11-trans-octadecadi... | 294 | C19H34O2 | 1000336-44-0 | 98   |



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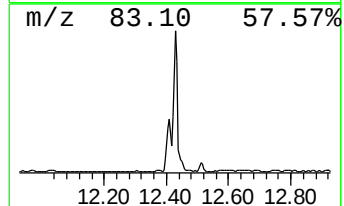
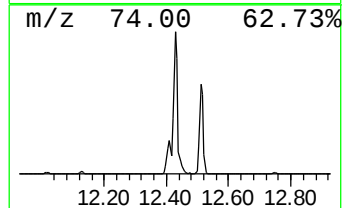
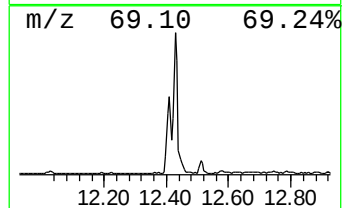
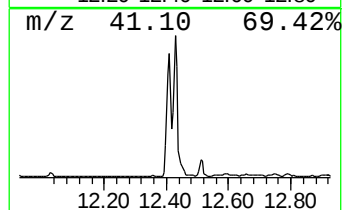
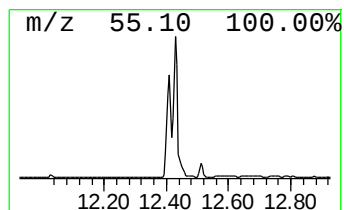
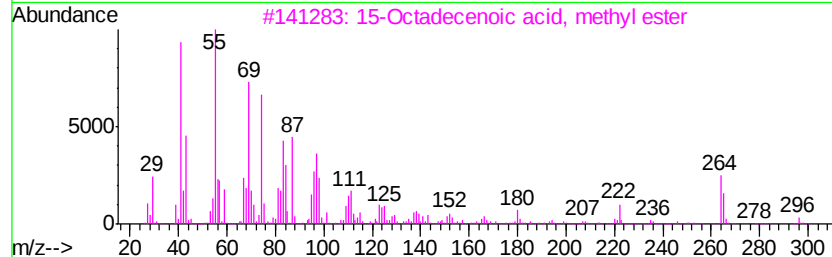
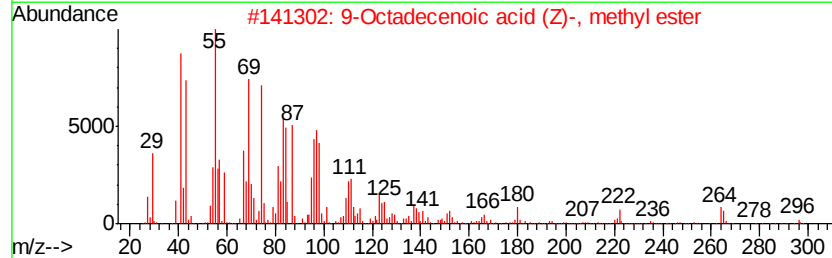
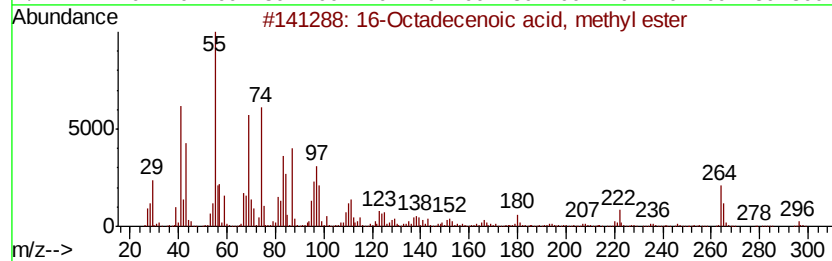
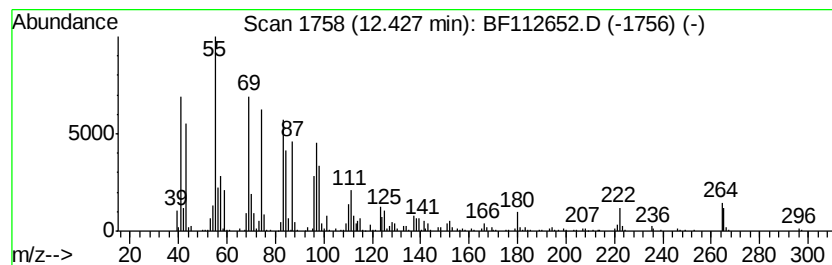
Instrument :  
BNA\_F  
ClientSampleId :  
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TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 16-Octadecenoic acid, methyl ester Concentration Rank 1

| R.T.      | EstConc                             | Area    | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|---------|------------------|-------------|------|
| 12.43     | 46.93 ng                            | 1559840 | Phenanthrene-d10 | 11.35       |      |
| Hit# of 5 | Tentative ID                        | MW      | MolForm          | CAS#        | Qual |
| 1         | 16-Octadecenoic acid, methyl ester  | 296     | C19H36O2         | 056554-49-5 | 99   |
| 2         | 9-Octadecenoic acid (Z)-, methyl... | 296     | C19H36O2         | 000112-62-9 | 98   |
| 3         | 15-Octadecenoic acid, methyl ester  | 296     | C19H36O2         | 004764-72-1 | 97   |
| 4         | 13-Octadecenoic acid, methyl ester  | 296     | C19H36O2         | 056554-47-3 | 96   |
| 5         | 14-Octadecenoic acid, methyl ester  | 296     | C19H36O2         | 056554-48-4 | 93   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022119\  
Data File : BF112652.D  
Acq On : 21 Feb 2019 15:02  
Operator : JU/SJ  
Sample : K1344-03 5X  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
NB-08-022019-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

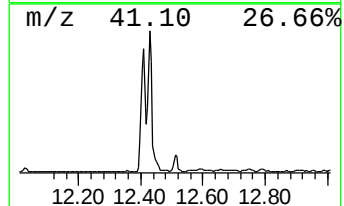
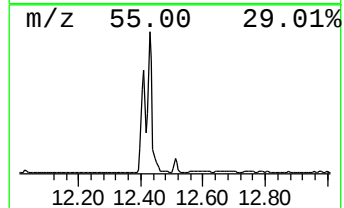
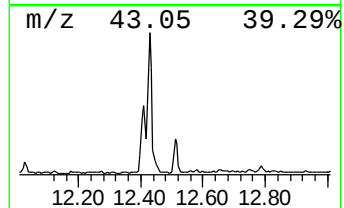
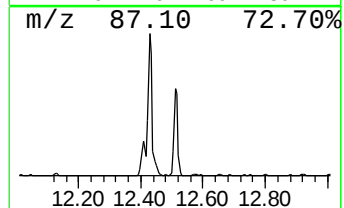
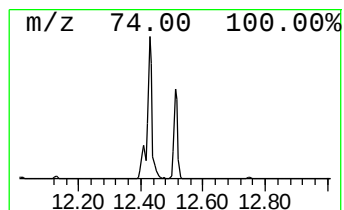
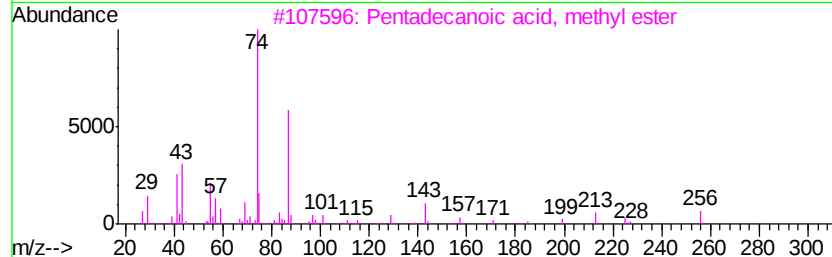
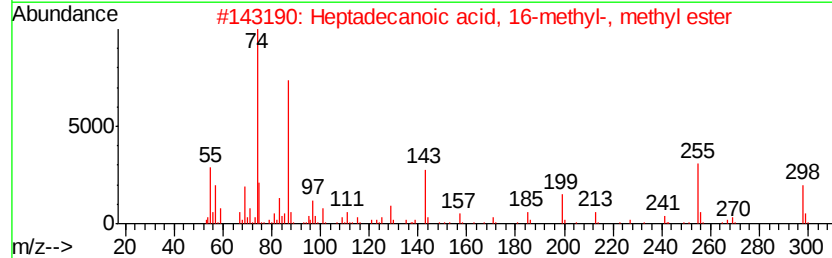
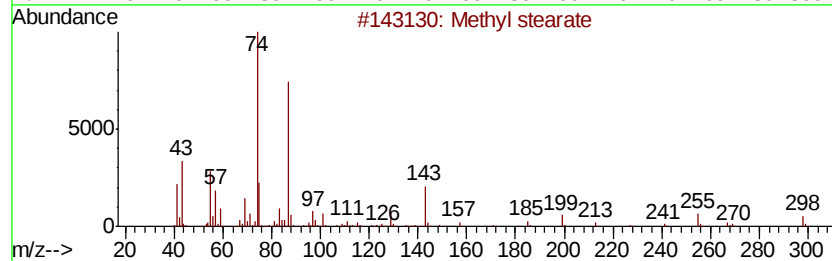
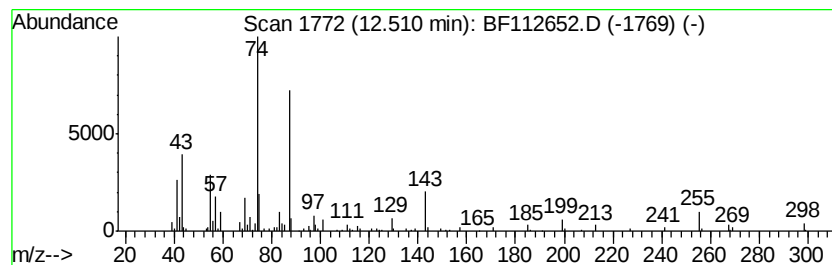
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Methyl stearate Concentration Rank 9

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 12.51 | 5.67 ng | 188397 | Phenanthrene-d10 | 11.35 |

| 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 | 93   |
| 3    |    | Pentadecanoic acid, methyl ester    | 256 | C16H32O2 | 007132-64-1 | 87   |
| 4    |    | Hexadecanoic acid, methyl ester     | 270 | C17H34O2 | 000112-39-0 | 86   |
| 5    |    | Hexadecanoic acid, 15-methyl-, m... | 284 | C18H36O2 | 006929-04-0 | 80   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022119\  
Data File : BF112652.D  
Acq On : 21 Feb 2019 15:02  
Operator : JU/SJ  
Sample : K1344-03 5X  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

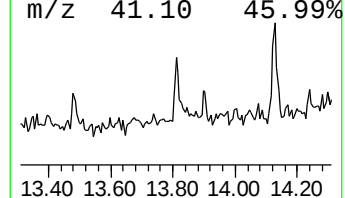
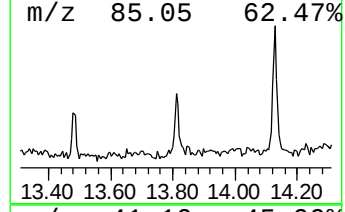
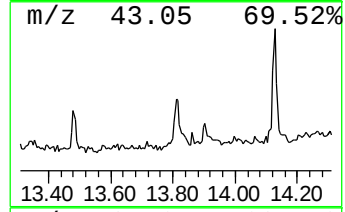
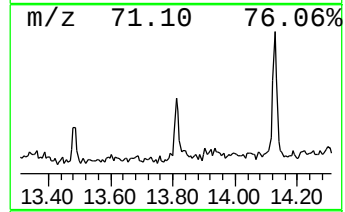
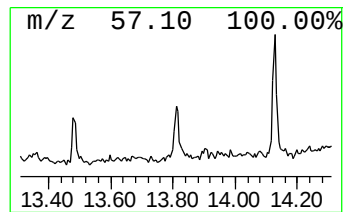
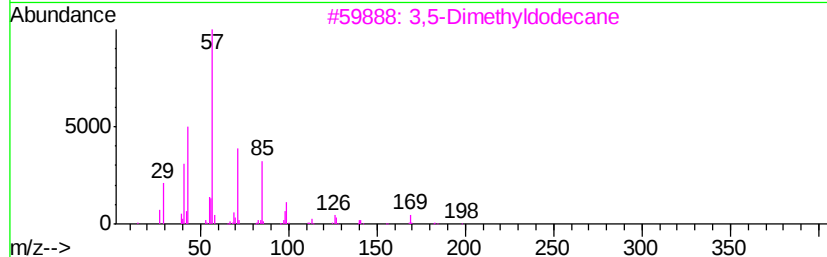
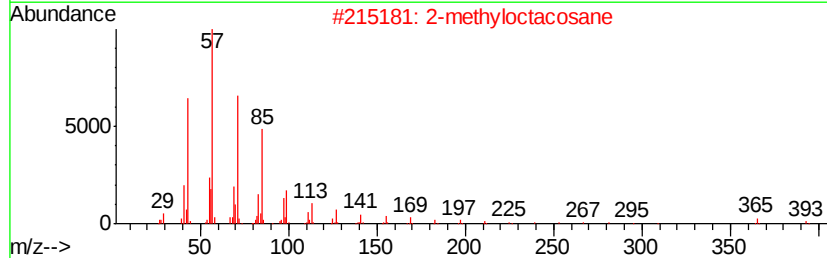
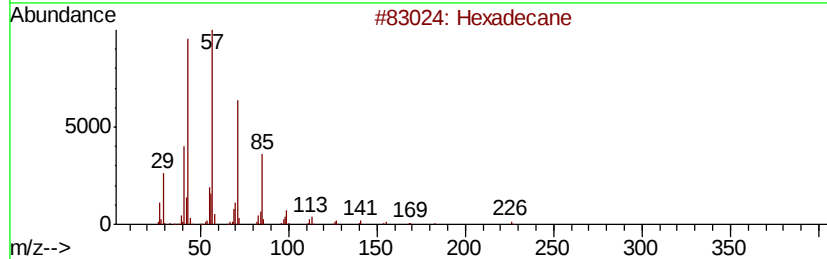
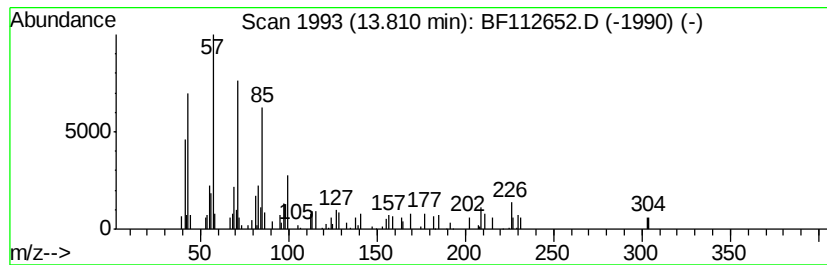
Instrument :  
BNA\_F  
ClientSampleId :  
NB-08-022019-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 7 Hexadecane Concentration Rank 13

| R.T.      | EstConc              | Area  | Relative to ISTD | R.T.         |      |
|-----------|----------------------|-------|------------------|--------------|------|
| 13.81     | 2.30 ng              | 63554 | Chrysene-d12     | 14.00        |      |
| Hit# of 5 | Tentative ID         | MW    | MolForm          | CAS#         | Qual |
| 1         | Hexadecane           | 226   | C16H34           | 000544-76-3  | 90   |
| 2         | 2-methyloctacosane   | 408   | C29H60           | 1000376-72-8 | 64   |
| 3         | 3,5-Dimethyldodecane | 198   | C14H30           | 107770-99-0  | 64   |
| 4         | Heneicosane          | 296   | C21H44           | 000629-94-7  | 64   |
| 5         | Eicosane             | 282   | C20H42           | 000112-95-8  | 64   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022119\  
Data File : BF112652.D  
Acq On : 21 Feb 2019 15:02  
Operator : JU/SJ  
Sample : K1344-03 5X  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
NB-08-022019-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

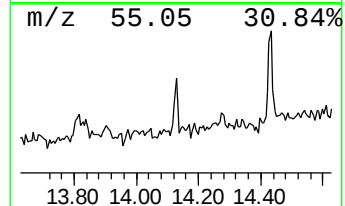
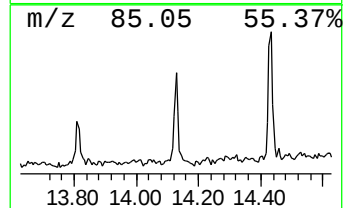
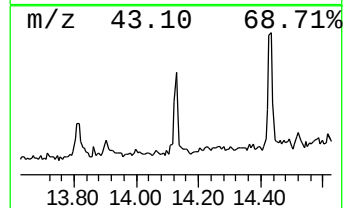
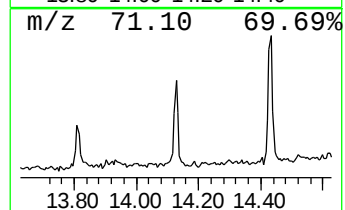
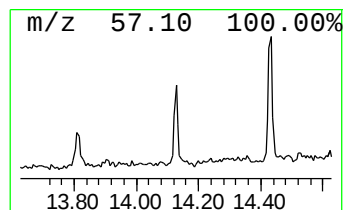
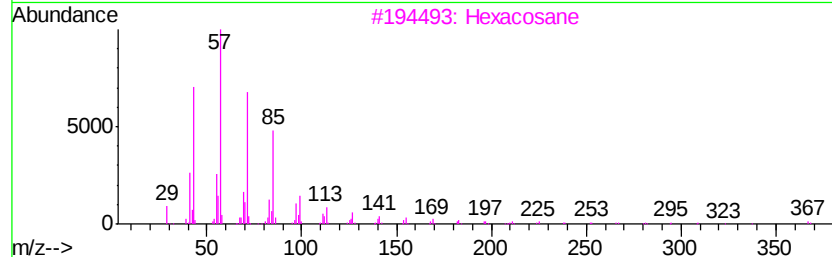
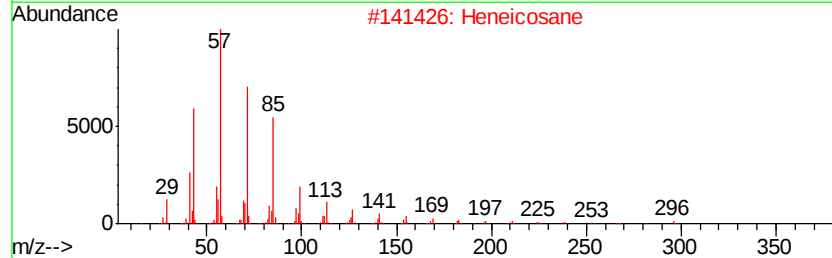
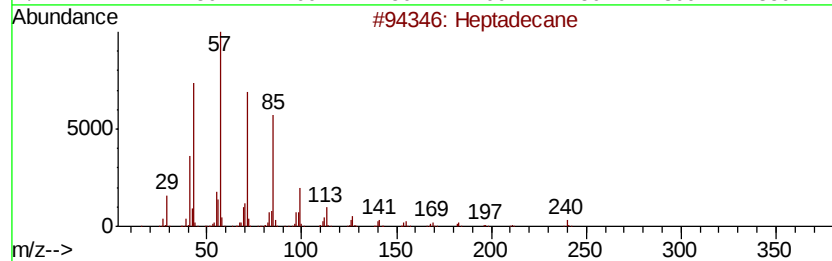
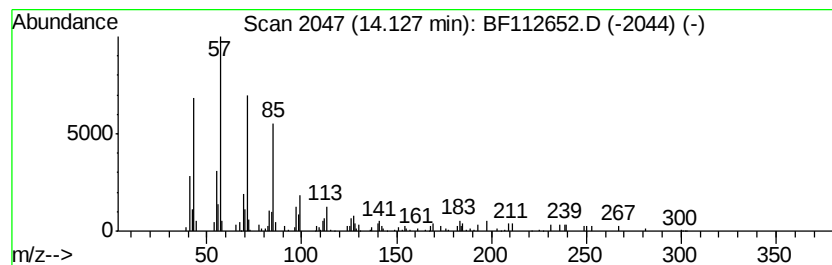
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 Heptadecane Concentration Rank 12

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 14.13 | 2.74 ng | 75584 | Chrysene-d12     | 14.00 |

| Hit# of | 5           | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|-------------|--------------|-----|---------|-------------|------|
| 1       | Heptadecane |              | 240 | C17H36  | 000629-78-7 | 91   |
| 2       | Heneicosane |              | 296 | C21H44  | 000629-94-7 | 91   |
| 3       | Hexacosane  |              | 366 | C26H54  | 000630-01-3 | 91   |
| 4       | Eicosane    |              | 282 | C20H42  | 000112-95-8 | 91   |
| 5       | Heptacosane |              | 380 | C27H56  | 000593-49-7 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022119\  
Data File : BF112652.D  
Acq On : 21 Feb 2019 15:02  
Operator : JU/SJ  
Sample : K1344-03 5X  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

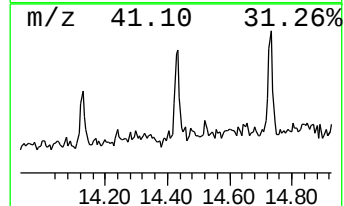
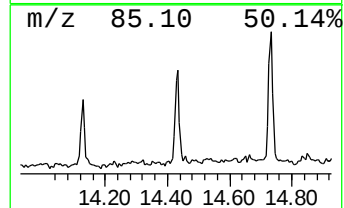
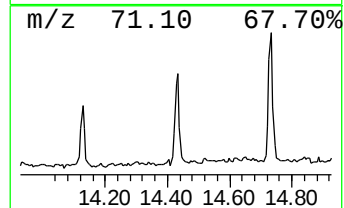
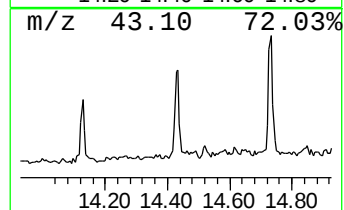
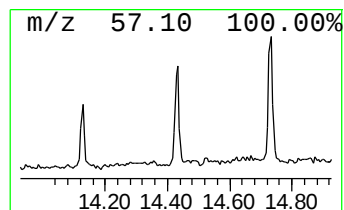
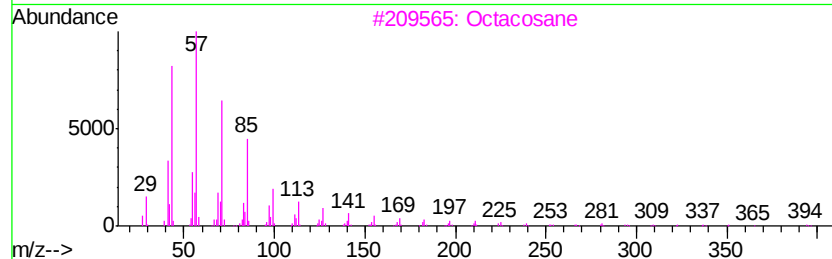
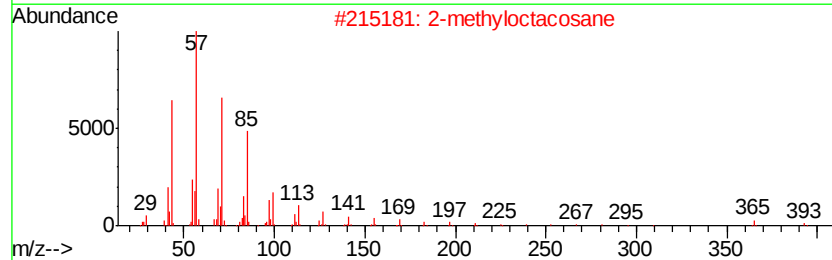
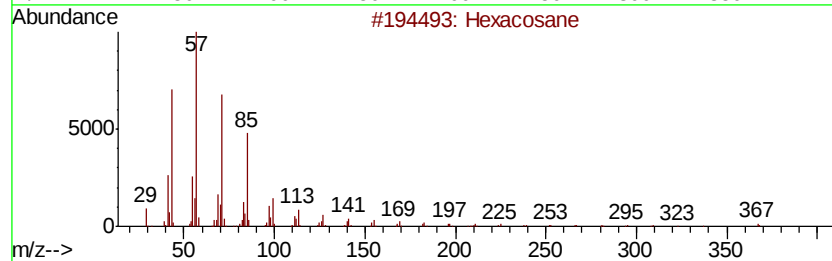
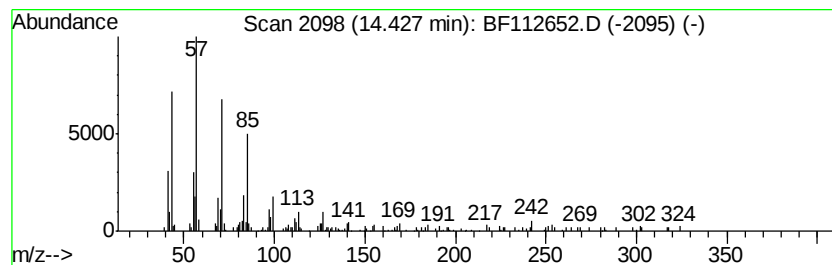
Instrument :  
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ClientSampleId :  
NB-08-022019-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 9 Hexacosane Concentration Rank 8

| R.T.  | EstConc | Area   | Relative to ISTD   |     | R.T.    |              |      |
|-------|---------|--------|--------------------|-----|---------|--------------|------|
| 14.43 | 5.85 ng | 161422 | Chrysene-d12       |     | 14.00   |              |      |
| Hit#  | of      | 5      | Tentative ID       | MW  | MolForm | CAS#         | Qual |
| 1     |         |        | Hexacosane         | 366 | C26H54  | 000630-01-3  | 91   |
| 2     |         |        | 2-methyloctacosane | 408 | C29H60  | 1000376-72-8 | 91   |
| 3     |         |        | Octacosane         | 394 | C28H58  | 000630-02-4  | 91   |
| 4     |         |        | Heneicosane        | 296 | C21H44  | 000629-94-7  | 91   |
| 5     |         |        | Tetracosane        | 338 | C24H50  | 000646-31-1  | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022119\  
Data File : BF112652.D  
Acq On : 21 Feb 2019 15:02  
Operator : JU/SJ  
Sample : K1344-03 5X  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
NB-08-022019-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

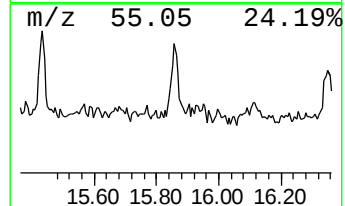
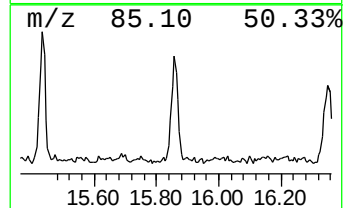
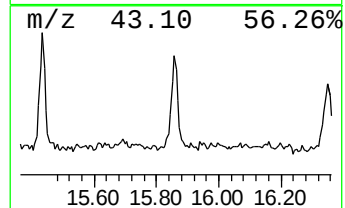
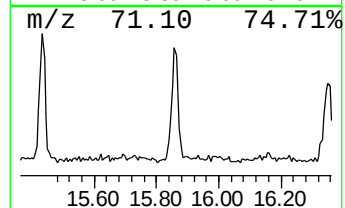
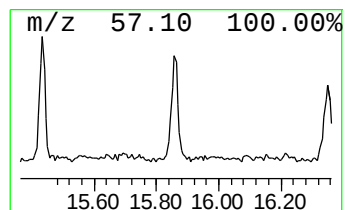
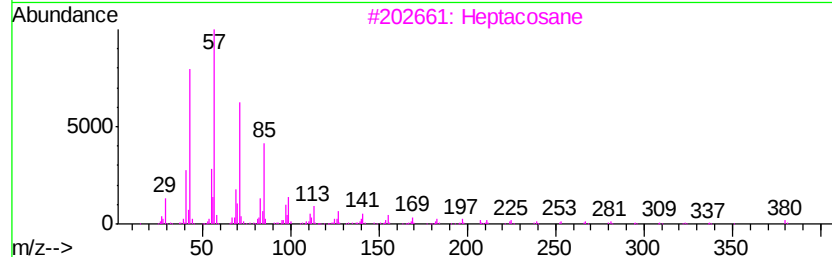
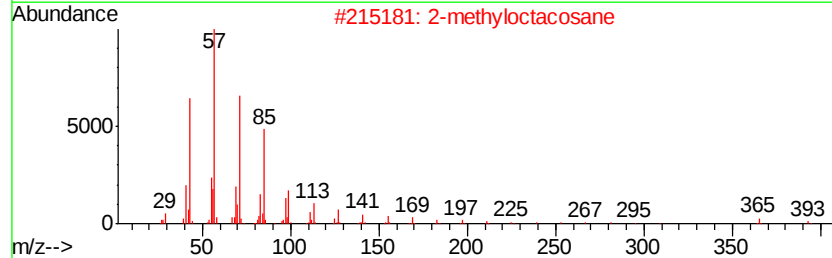
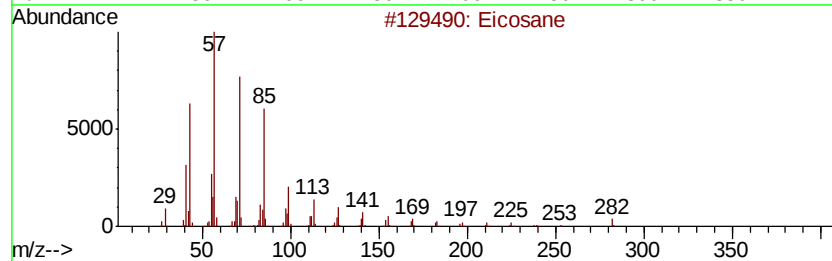
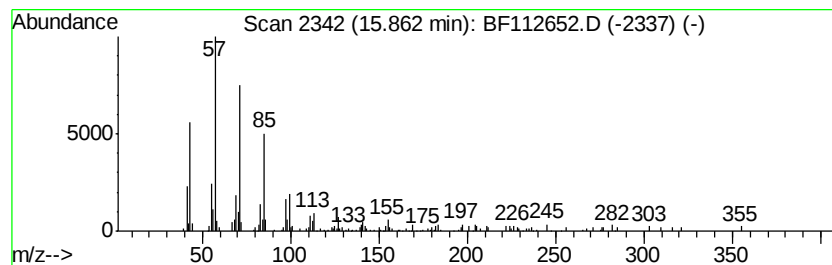
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 12 Eicosane Concentration Rank 7

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 15.86 | 5.98 ng | 158275 | Perylene-d12     | 15.47 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#         | Qual |
|------|----|-----------------------|-----|---------|--------------|------|
| 1    | 5  | Eicosane              | 282 | C20H42  | 000112-95-8  | 94   |
| 2    |    | 2-methyloctacosane    | 408 | C29H60  | 1000376-72-8 | 91   |
| 3    |    | Heptacosane           | 380 | C27H56  | 000593-49-7  | 91   |
| 4    |    | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1  | 91   |
| 5    |    | Hexadecane            | 226 | C16H34  | 000544-76-3  | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022119\  
 Data File : BF112652.D  
 Acq On : 21 Feb 2019 15:02  
 Operator : JU/SJ  
 Sample : K1344-03 5X  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 NB-08-022019-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

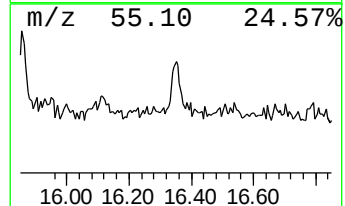
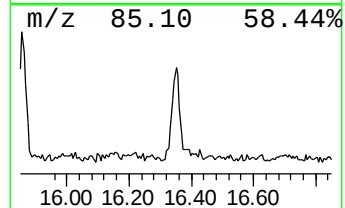
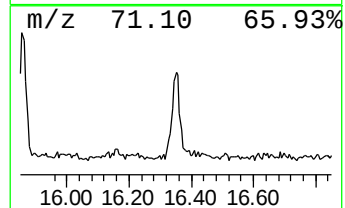
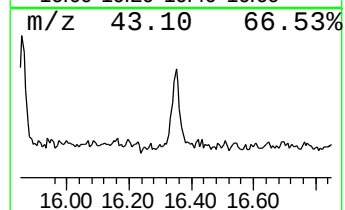
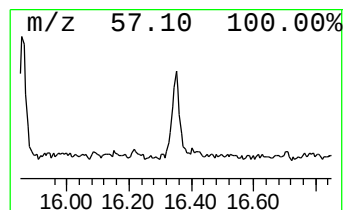
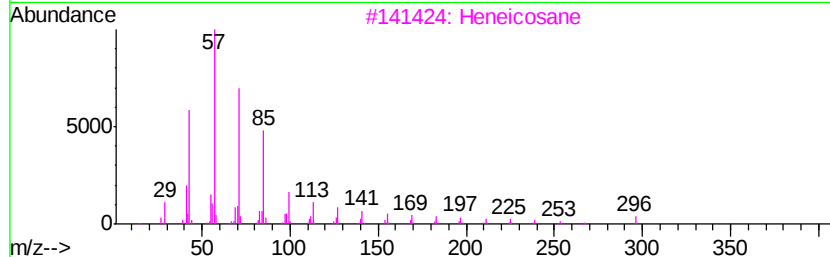
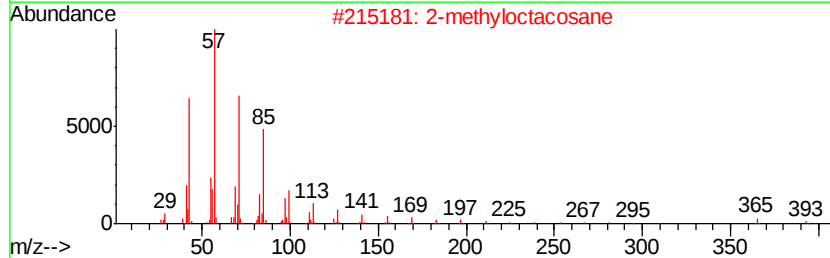
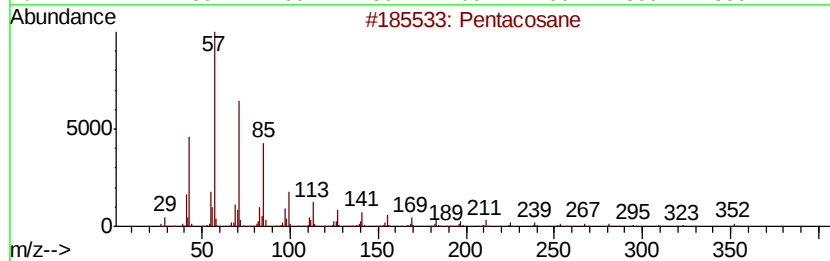
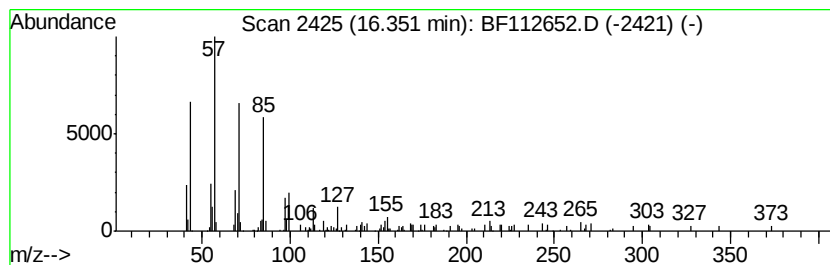
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 TIC Integration Parameters: LSCINT.P

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 Peak Number 13 Pentacosane Concentration Rank 10

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 16.35 | 5.14 ng | 136030 | Perylene-d12     | 15.47 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Pentacosane                         | 352 | C25H52    | 000629-99-2  | 80   |
| 2    |    |   | 2-methyloctacosane                  | 408 | C29H60    | 1000376-72-8 | 80   |
| 3    |    |   | Heneicosane                         | 296 | C21H44    | 000629-94-7  | 72   |
| 4    |    |   | Sulfurous acid, butyl dodecyl ester | 306 | C16H34O3S | 1000309-17-9 | 72   |
| 5    |    |   | Octadecane, 1-iodo-                 | 380 | C18H37I   | 000629-93-6  | 72   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF022119\  
 Data File : BF112652.D  
 Acq On : 21 Feb 2019 15:02  
 Operator : JU/SJ  
 Sample : K1344-03 5X  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 NB-08-022019-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF012519.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 |
| unknown6.60          | 6.60  | 15.3    | ng    | 347712   | 1                     | 6.82  | 454474 | 20.0 |
| Hexadecanoic acid... | 11.72 | 14.1    | ng    | 467453   | 4                     | 11.35 | 664806 | 20.0 |
| 9,12-Octadecadien... | 12.41 | 41.5    | ng    | 1380250  | 4                     | 11.35 | 664806 | 20.0 |
| 16-Octadecenoic a... | 12.43 | 46.9    | ng    | 1559840  | 4                     | 11.35 | 664806 | 20.0 |
| Methyl stearate      | 12.51 | 5.7     | ng    | 188397   | 4                     | 11.35 | 664806 | 20.0 |
| Hexadecane           | 13.81 | 2.3     | ng    | 63554    | 5                     | 14.00 | 551848 | 20.0 |
| Heptadecane          | 14.13 | 2.7     | ng    | 75584    | 5                     | 14.00 | 551848 | 20.0 |
| Hexacosane           | 14.43 | 5.8     | ng    | 161422   | 5                     | 14.00 | 551848 | 20.0 |
| Eicosane             | 15.86 | 6.0     | ng    | 158275   | 6                     | 15.47 | 529634 | 20.0 |
| Pentacosane          | 16.35 | 5.1     | ng    | 136030   | 6                     | 15.47 | 529634 | 20.0 |