

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081019\  
 Data File : BF116154.D  
 Acq On : 10 Aug 2019 17:41  
 Operator : HP/JU  
 Sample : K4219-05  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 VNJ-239-217-225-230

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-BF073019.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         | 2.128       | 3             | 7           | 24           | rVB      | 1559023        | 2067331       | 55.45%          | 5.944%        |
| 2         | 5.463       | 571           | 574         | 598          | rBV      | 2715206        | 3170943       | 85.05%          | 9.118%        |
| 3         | 6.481       | 742           | 747         | 765          | rBV      | 2902924        | 3657442       | 98.10%          | 10.517%       |
| 4         | 6.610       | 765           | 769         | 785          | rVB      | 3334621        | 3432247       | 92.06%          | 9.869%        |
| 5         | 6.839       | 804           | 808         | 817          | rBV      | 1046178        | 1016526       | 27.27%          | 2.923%        |
| 6         | 6.992       | 830           | 834         | 851          | rBV      | 2761626        | 2567368       | 68.86%          | 7.382%        |
| 7         | 7.404       | 899           | 904         | 924          | rBV      | 1977633        | 2305302       | 61.83%          | 6.629%        |
| 8         | 8.116       | 1022          | 1025        | 1046         | rBV      | 1277167        | 1356723       | 36.39%          | 3.901%        |
| 9         | 9.192       | 1204          | 1208        | 1219         | rBV      | 3895199        | 3728226       | 100.00%         | 10.720%       |
| 10        | 9.586       | 1272          | 1275        | 1288         | rBV      | 201279         | 238138        | 6.39%           | 0.685%        |
| 11        | 9.869       | 1319          | 1323        | 1339         | rBV      | 1661521        | 1518773       | 40.74%          | 4.367%        |
| 12        | 10.663      | 1454          | 1458        | 1469         | rBV      | 1639184        | 1814430       | 48.67%          | 5.217%        |
| 13        | 11.357      | 1572          | 1576        | 1585         | rBV      | 1332370        | 1370772       | 36.77%          | 3.942%        |
| 14        | 11.421      | 1585          | 1587        | 1596         | rVB4     | 52219          | 67979         | 1.82%           | 0.195%        |
| 15        | 11.880      | 1661          | 1665        | 1674         | rBV5     | 63723          | 141005        | 3.78%           | 0.405%        |
| 16        | 12.433      | 1757          | 1759        | 1764         | rVB      | 41762          | 40257         | 1.08%           | 0.116%        |
| 17        | 12.574      | 1780          | 1783        | 1789         | rBV      | 102480         | 120712        | 3.24%           | 0.347%        |
| 18        | 12.668      | 1796          | 1799        | 1806         | rBV4     | 63678          | 123557        | 3.31%           | 0.355%        |
| 19        | 12.751      | 1811          | 1813        | 1817         | rVV3     | 49979          | 52676         | 1.41%           | 0.151%        |
| 20        | 12.804      | 1819          | 1822        | 1829         | rVB      | 126553         | 170056        | 4.56%           | 0.489%        |
| 21        | 12.939      | 1841          | 1845        | 1848         | rBV      | 3047012        | 2747854       | 73.70%          | 7.901%        |
| 22        | 13.121      | 1873          | 1876        | 1880         | rVB3     | 44182          | 51724         | 1.39%           | 0.149%        |
| 23        | 13.162      | 1880          | 1883        | 1888         | rBV2     | 42209          | 54417         | 1.46%           | 0.156%        |
| 24        | 13.504      | 1938          | 1941        | 1944         | rBV2     | 54377          | 54944         | 1.47%           | 0.158%        |
| 25        | 13.851      | 1995          | 2000        | 2009         | rBV4     | 105252         | 294322        | 7.89%           | 0.846%        |
| 26        | 13.998      | 2021          | 2025        | 2039         | rBV      | 770718         | 949834        | 25.48%          | 2.731%        |
| 27        | 14.151      | 2048          | 2051        | 2053         | rBV      | 64269          | 63530         | 1.70%           | 0.183%        |
| 28        | 14.451      | 2099          | 2102        | 2106         | rVB      | 89607          | 80585         | 2.16%           | 0.232%        |
| 29        | 14.756      | 2151          | 2154        | 2157         | rBV      | 88919          | 84335         | 2.26%           | 0.242%        |
| 30        | 14.827      | 2163          | 2166        | 2170         | rVB      | 153882         | 153672        | 4.12%           | 0.442%        |
| 31        | 15.086      | 2207          | 2210        | 2219         | rVB2     | 113463         | 153951        | 4.13%           | 0.443%        |
| 32        | 15.468      | 2270          | 2275        | 2286         | rBV      | 673882         | 972901        | 26.10%          | 2.798%        |
| 33        | 15.886      | 2343          | 2346        | 2350         | rVB      | 71551          | 90118         | 2.42%           | 0.259%        |
| 34        | 16.962      | 2526          | 2529        | 2534         | rVB3     | 40353          | 64845         | 1.74%           | 0.186%        |

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Sample : K4219-05  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-239-217-225-230

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-BF073019.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

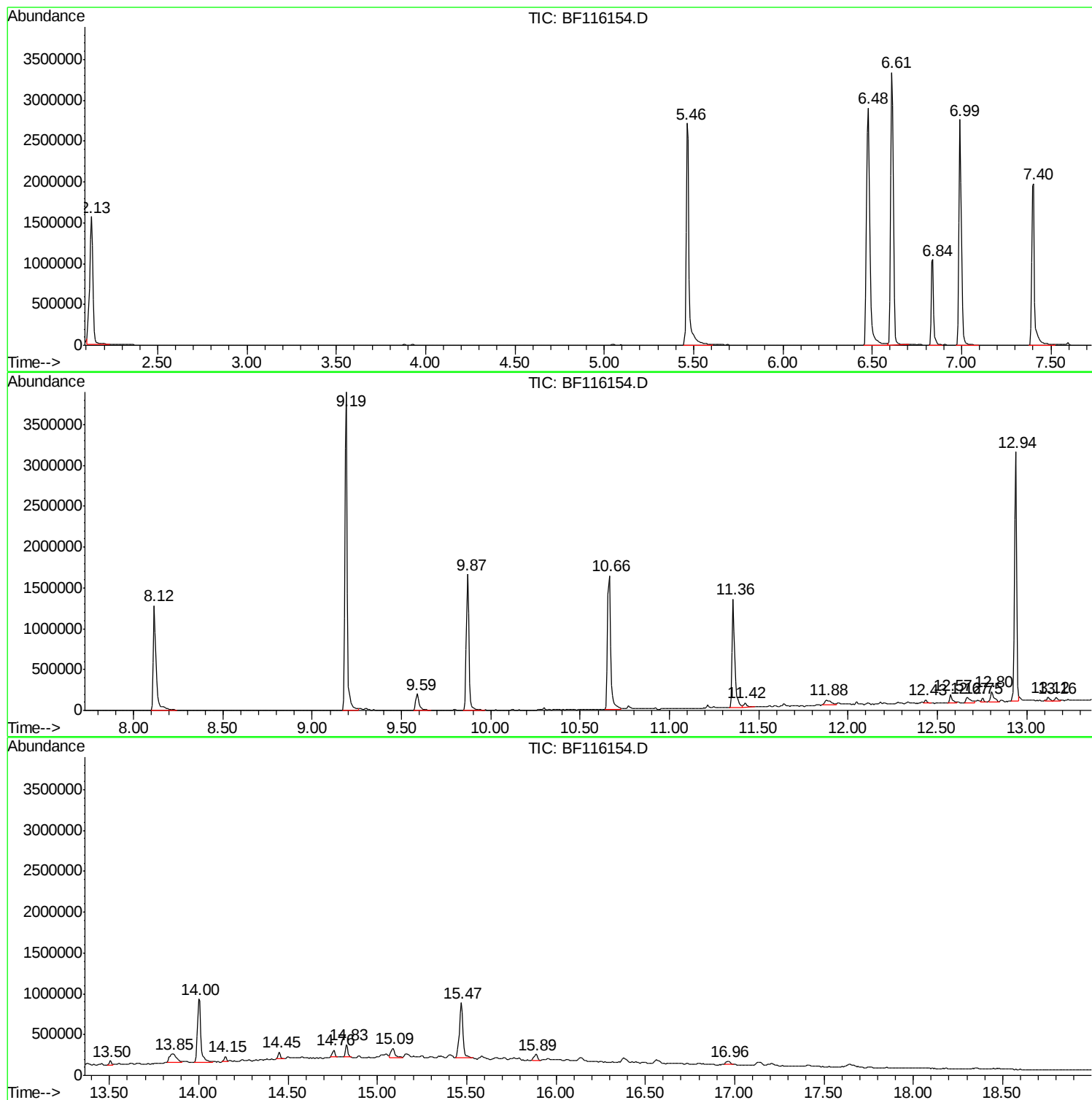
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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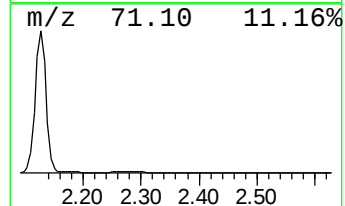
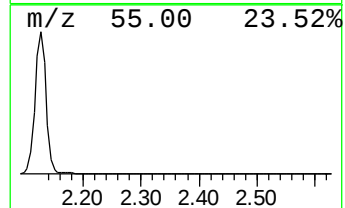
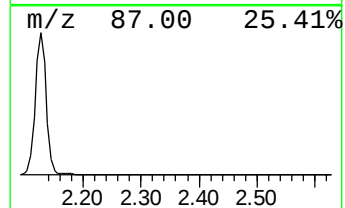
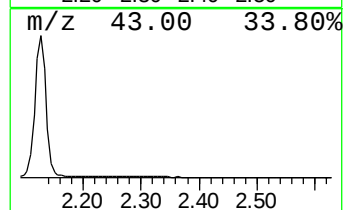
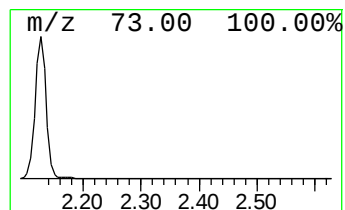
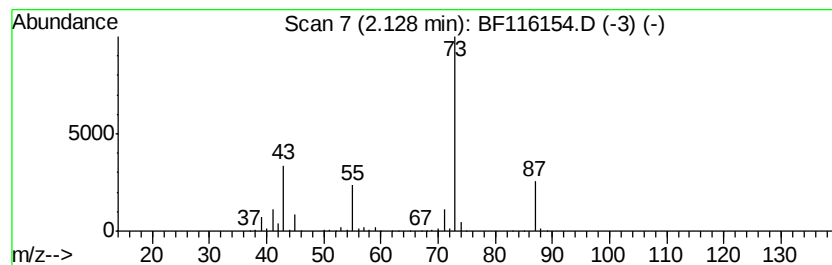
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 2.13 | 40.67 ng | 2067330 | 1,4-Dichlorobenzene-d4 | 6.84 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 83   |
| 2    |    | 2,2,4-Trimethyl-3-pentanol  | 130 | C8H18O  | 005162-48-1 | 39   |
| 3    |    | 1,3-Dioxolane, 2-methyl-    | 88  | C4H8O2  | 000497-26-7 | 25   |
| 4    |    | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 23   |
| 5    |    | Silane, tetramethyl-        | 88  | C4H12Si | 000075-76-3 | 17   |



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Instrument :  
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ClientSampleId :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

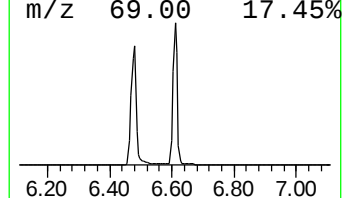
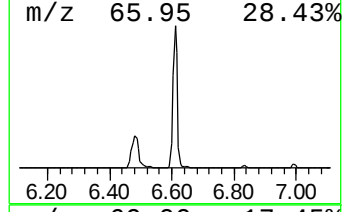
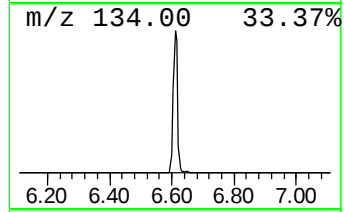
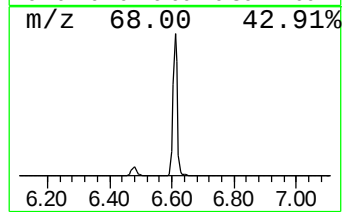
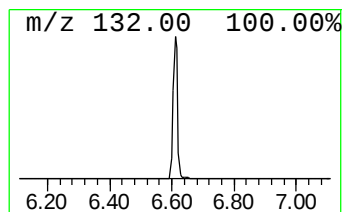
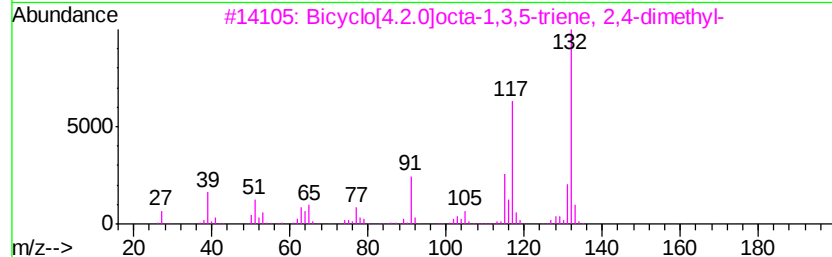
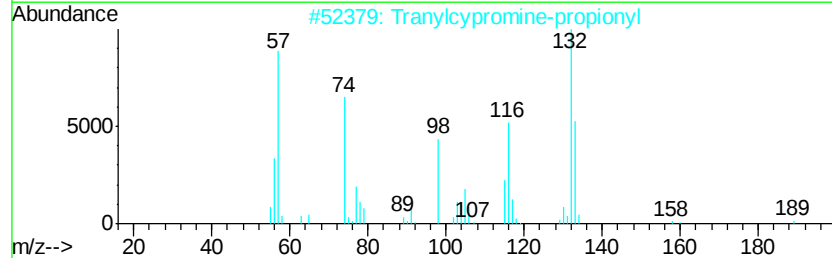
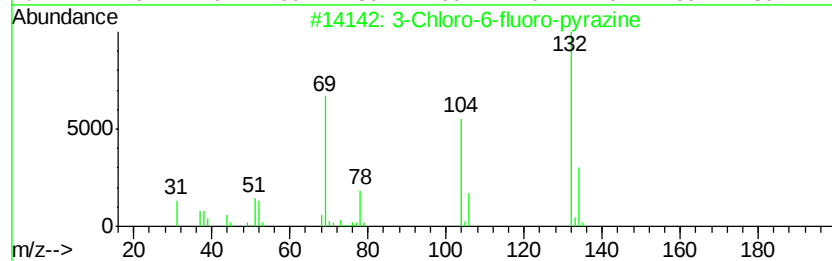
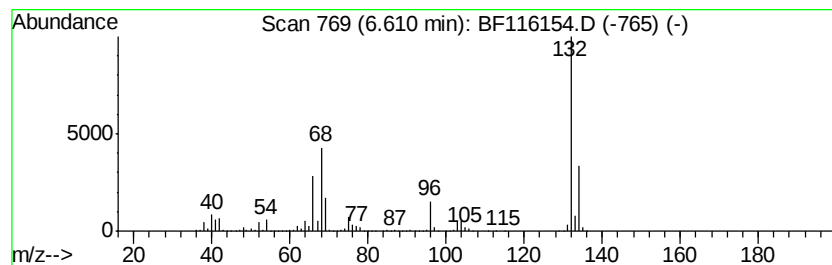
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 unknown6.61 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.61 | 67.53 ng | 3432250 | 1,4-Dichlorobenzene-d4 | 6.84 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | Tranylcypromine-propionyl           | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 3    |    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12    | 028749-81-7  | 9    |
| 4    |    | Benzene, 1-ethenyl-3,5-dimethyl-    | 132 | C10H12    | 005379-20-4  | 9    |
| 5    |    | 4-Methylpyrrolo[1,2-a]pyrazine      | 132 | C8H8N2    | 064608-60-2  | 9    |



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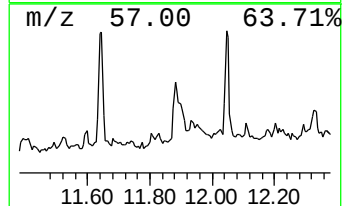
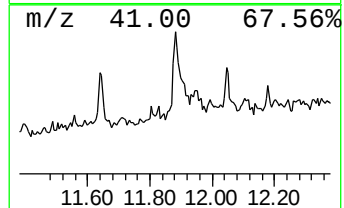
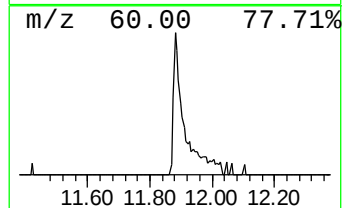
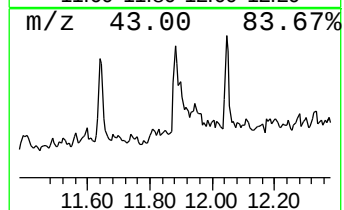
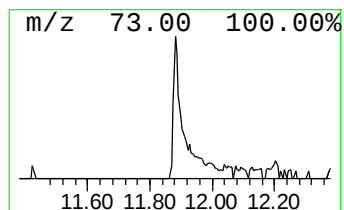
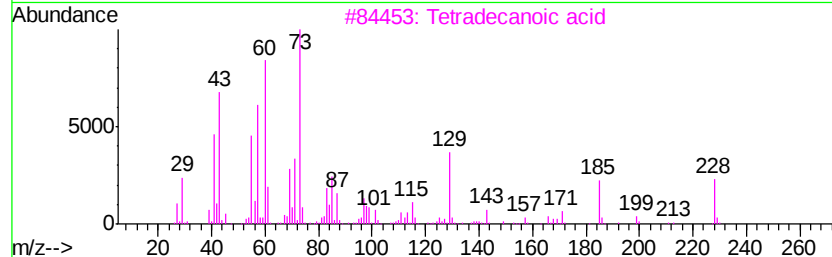
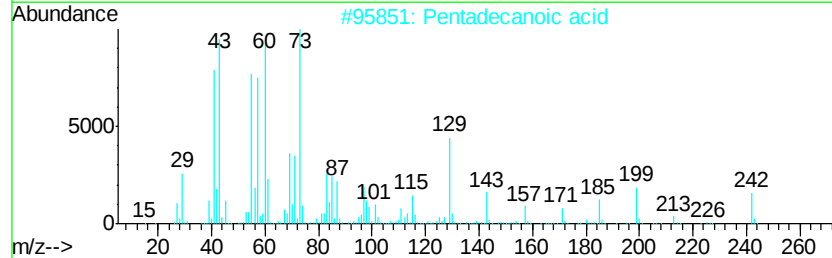
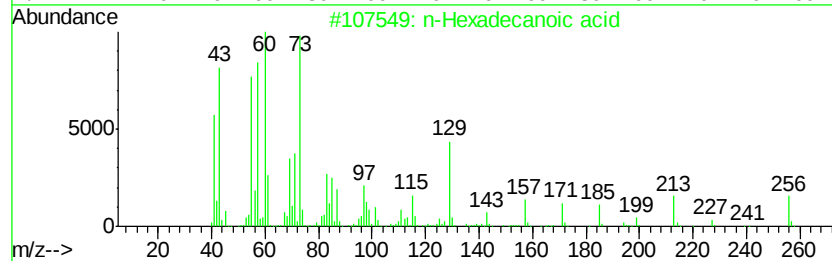
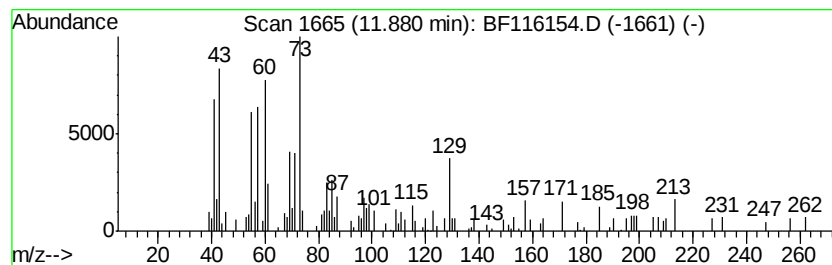
Instrument :  
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 ClientSampleId :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
 Peak Number 4 n-Hexadecanoic acid Concentration Rank 8

| R.T.      | EstConc                           | Area   | Relative to ISTD | R.T.         |      |
|-----------|-----------------------------------|--------|------------------|--------------|------|
| 11.88     | 2.06 ng                           | 141005 | Phenanthrene-d10 | 11.36        |      |
| Hit# of 5 | Tentative ID                      | MW     | MolForm          | CAS#         | Qual |
| 1         | n-Hexadecanoic acid               | 256    | C16H32O2         | 000057-10-3  | 98   |
| 2         | Pentadecanoic acid                | 242    | C15H30O2         | 001002-84-2  | 87   |
| 3         | Tetradecanoic acid                | 228    | C14H28O2         | 000544-63-8  | 80   |
| 4         | Methyl .beta.-d-galactopyranoside | 194    | C7H14O6          | 1000126-04-6 | 50   |
| 5         | Oxalic acid, dodecyl propyl ester | 300    | C17H32O4         | 1000309-26-5 | 18   |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

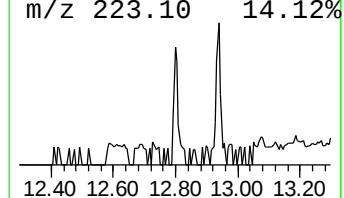
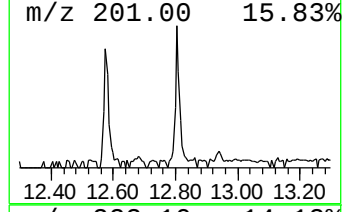
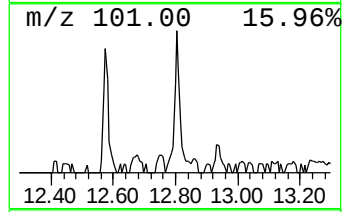
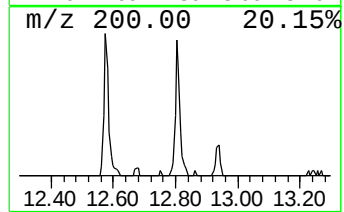
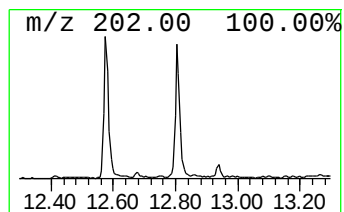
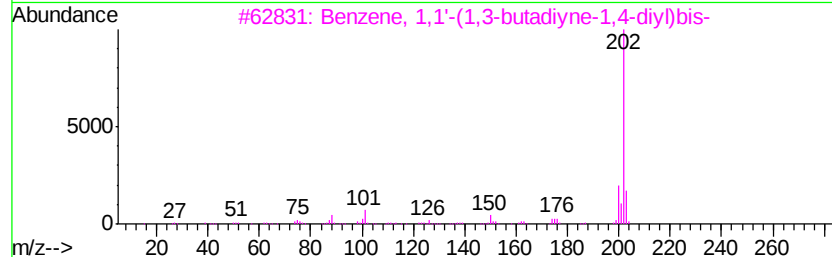
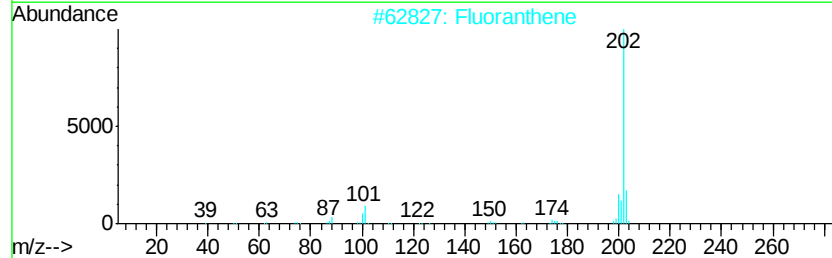
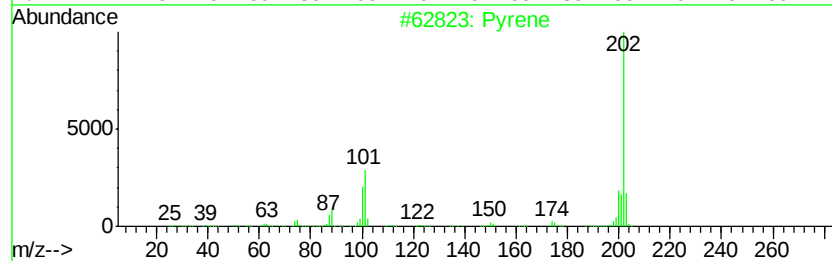
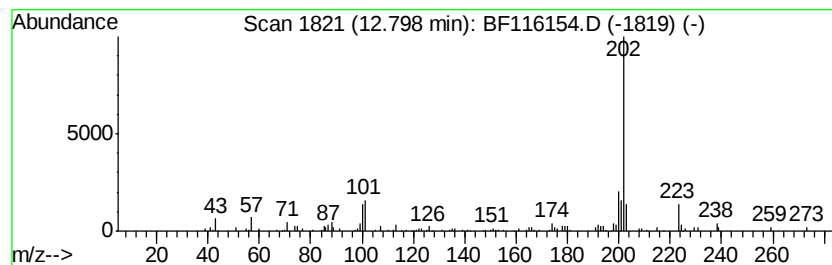
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 unknown12.80 Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 12.80 | 3.58 ng | 170056 | Chrysene-d12     | 14.00 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Pyrene                              | 202 | C16H10    | 000129-00-0  | 90   |
| 2    |    | Fluoranthene                        | 202 | C16H10    | 000206-44-0  | 64   |
| 3    |    | Benzene, 1,1'-(1,3-butadiene-1,4... | 202 | C16H10    | 000886-66-8  | 45   |
| 4    |    | l-Leucine, N-methyl-N-(2-methoxy... | 305 | C14H27NO6 | 1000328-55-3 | 40   |
| 5    |    | l-Leucine, N-methyl-N-(2-methoxy... | 499 | C29H57NO5 | 1000328-55-2 | 40   |



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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

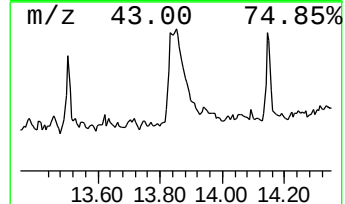
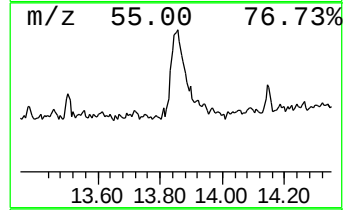
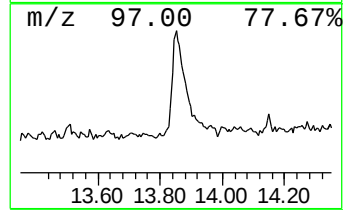
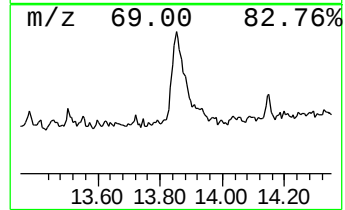
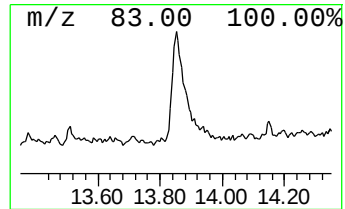
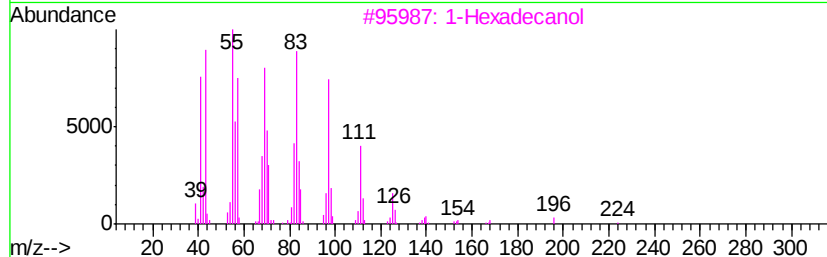
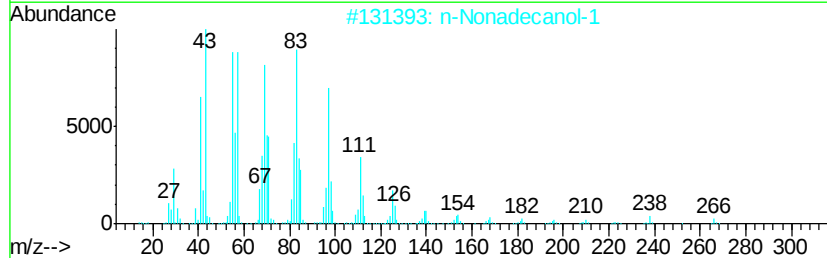
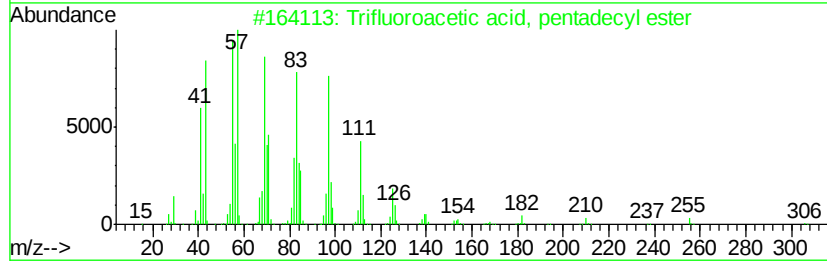
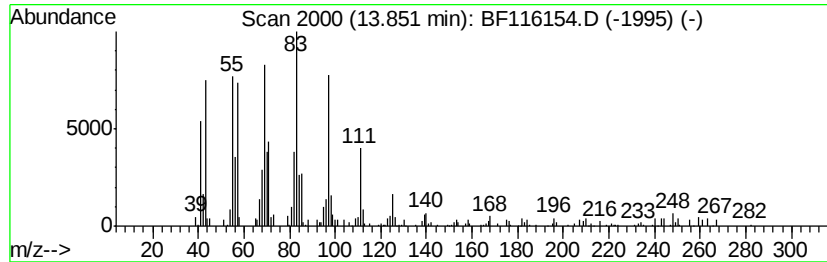
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Trifluoroacetic acid, penta... Concentration Rank 4

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 13.85 | 6.20 ng | 294322 | Chrysene-d12     | 14.00 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|------|----|-------------------------------------|-----|------------|-------------|------|
| 1    | 5  | Trifluoroacetic acid, pentadecyl... | 324 | C17H31F3O2 | 959010-23-2 | 91   |
| 2    |    | n-Nonadecanol-1                     | 284 | C19H40O    | 001454-84-8 | 90   |
| 3    |    | 1-Hexadecanol                       | 242 | C16H34O    | 036653-82-4 | 87   |
| 4    |    | 1-Pentadecene                       | 210 | C15H30     | 013360-61-7 | 81   |
| 5    |    | Heptafluorobutyric acid, hexadec... | 438 | C20H33F7O2 | 006385-15-5 | 64   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081019\  
Data File : BF116154.D  
Acq On : 10 Aug 2019 17:41  
Operator : HP/JU  
Sample : K4219-05  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-239-217-225-230

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

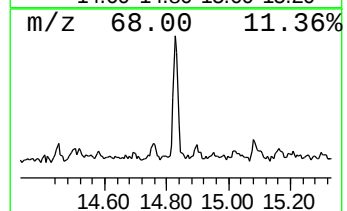
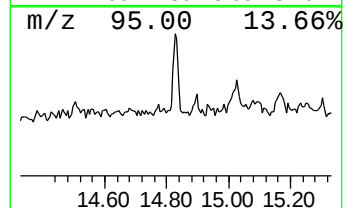
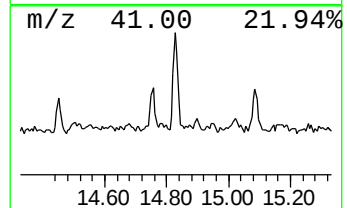
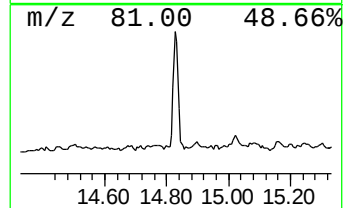
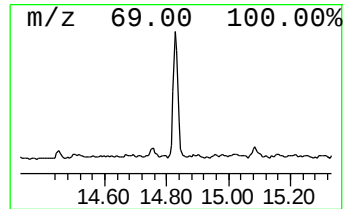
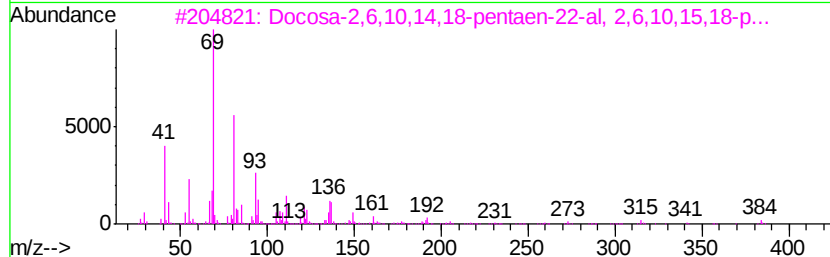
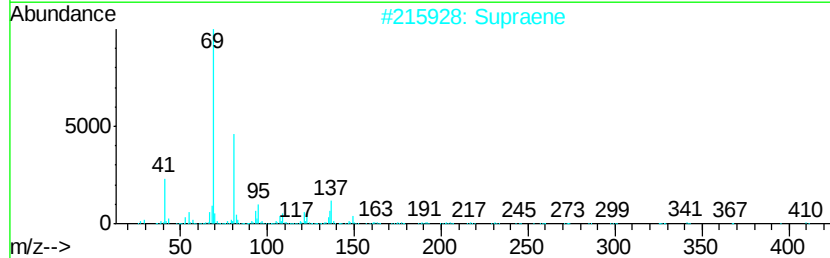
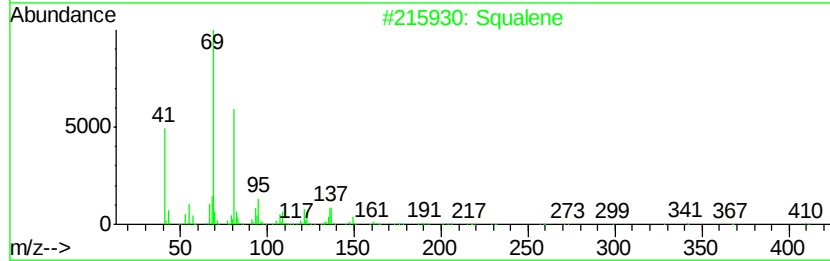
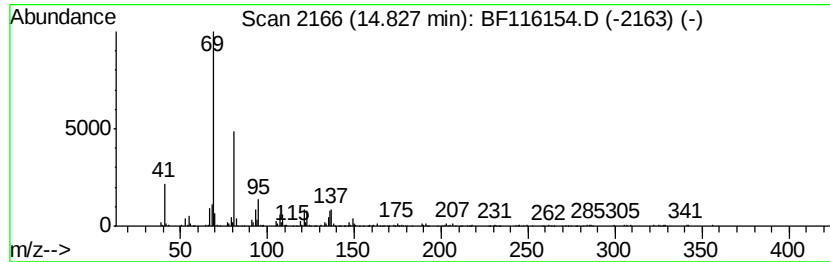
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Squalene Concentration Rank 7

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 14.83 | 3.16 ng | 153672 | Perylene-d12     | 15.47 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|-------------------------------------|-----|---------|--------------|------|
| 1    | 5  | Squalene                            | 410 | C30H50  | 000111-02-4  | 91   |
| 2    |    | Supraene                            | 410 | C30H50  | 007683-64-9  | 91   |
| 3    |    | Docosa-2,6,10,14,18-pentaen-22-a... | 384 | C27H44O | 1000163-04-7 | 90   |
| 4    |    | 4,8,12-Tetradecatrienenitrile, 5... | 245 | C17H27N | 005981-31-7  | 64   |
| 5    |    | 2,6-Octadiene, 4-methyl-            | 124 | C9H16   | 074498-94-5  | 53   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081019\  
Data File : BF116154.D  
Acq On : 10 Aug 2019 17:41  
Operator : HP/JU  
Sample : K4219-05  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-239-217-225-230

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

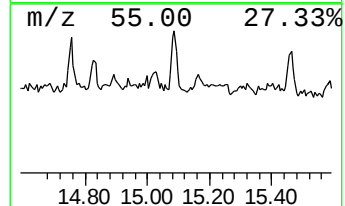
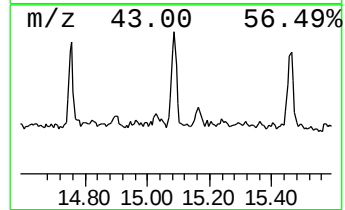
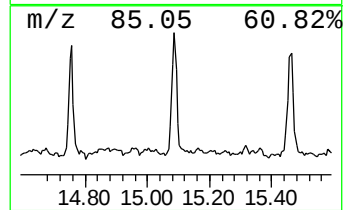
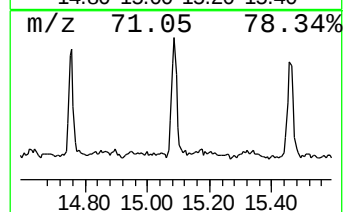
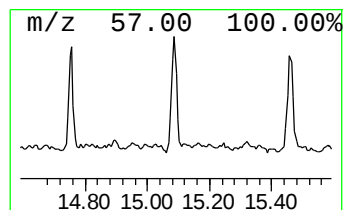
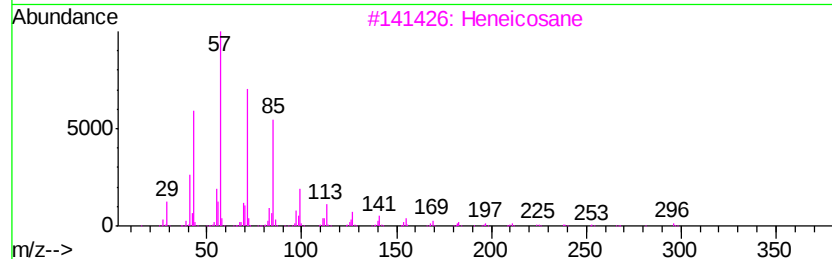
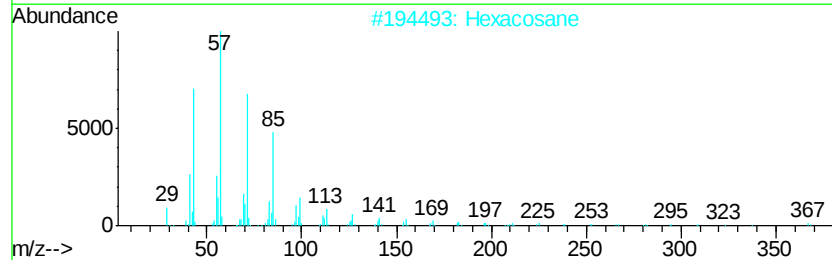
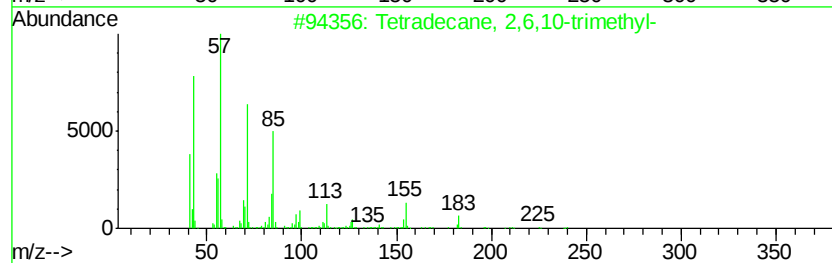
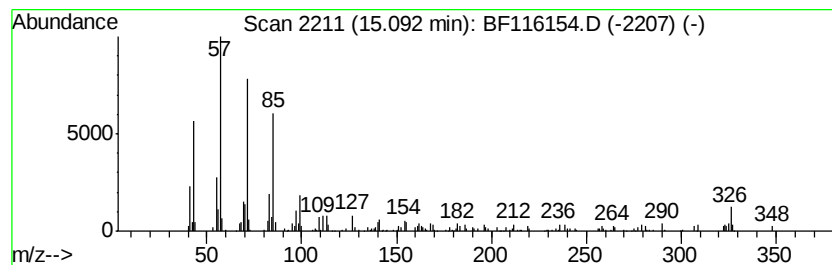
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 Tetradecane, 2,6,10-trimethyl- Concentration Rank 6

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 15.09 | 3.16 ng | 153951 | Perylene-d12     | 15.47 |

| Hit# | of | Tentative ID                   | MW  | MolForm | CAS#         | Qual |
|------|----|--------------------------------|-----|---------|--------------|------|
| 1    | 5  | Tetradecane, 2,6,10-trimethyl- | 240 | C17H36  | 014905-56-7  | 87   |
| 2    |    | Hexacosane                     | 366 | C26H54  | 000630-01-3  | 87   |
| 3    |    | Heneicosane                    | 296 | C21H44  | 000629-94-7  | 87   |
| 4    |    | Nonadecane, 9-methyl-          | 282 | C20H42  | 013287-24-6  | 86   |
| 5    |    | 5-Ethyl-5-methylnonadecane     | 310 | C22H46  | 1000360-42-7 | 86   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF081019\  
Data File : BF116154.D  
Acq On : 10 Aug 2019 17:41  
Operator : HP/JU  
Sample : K4219-05  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-239-217-225-230

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF073019.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 |
| Butane, 2-methoxy... | 2.13  | 40.7    | ng    | 2067330  | 1                     | 6.84  | 1016530 | 20.0 |
| unknown6.61          | 6.61  | 67.5    | ng    | 3432250  | 1                     | 6.84  | 1016530 | 20.0 |
| n-Hexadecanoic acid  | 11.88 | 2.1     | ng    | 141005   | 4                     | 11.36 | 1370770 | 20.0 |
| unknown12.80         | 12.80 | 3.6     | ng    | 170056   | 5                     | 14.00 | 949834  | 20.0 |
| Trifluoroacetic a... | 13.85 | 6.2     | ng    | 294322   | 5                     | 14.00 | 949834  | 20.0 |
| Squalene             | 14.83 | 3.2     | ng    | 153672   | 6                     | 15.47 | 972901  | 20.0 |
| Tetradecane, 2,6,... | 15.09 | 3.2     | ng    | 153951   | 6                     | 15.47 | 972901  | 20.0 |