

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\  
 Data File : BF117582.D  
 Acq On : 29 Oct 2019 11:24  
 Operator : JU  
 Sample : K5503-01  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 176-28-(0-2.5)

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-BF101819.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         | 4.946       | 483           | 486         | 499          | rBV      | 9563           | 17542         | 1.33%           | 0.145%        |
| 2         | 5.357       | 553           | 556         | 580          | rBV      | 1015820        | 1155137       | 87.61%          | 9.569%        |
| 3         | 6.387       | 727           | 731         | 747          | rBV      | 1154339        | 1281589       | 97.21%          | 10.616%       |
| 4         | 6.504       | 747           | 751         | 767          | rVB      | 1359723        | 1318424       | 100.00%         | 10.921%       |
| 5         | 6.728       | 786           | 789         | 799          | rBV      | 323663         | 286383        | 21.72%          | 2.372%        |
| 6         | 6.881       | 811           | 815         | 831          | rBV      | 983503         | 941732        | 71.43%          | 7.801%        |
| 7         | 7.292       | 881           | 885         | 909          | rBV      | 639099         | 775172        | 58.80%          | 6.421%        |
| 8         | 8.010       | 1003          | 1007        | 1020         | rBV      | 338047         | 368527        | 27.95%          | 3.053%        |
| 9         | 9.081       | 1185          | 1189        | 1201         | rBV      | 1359677        | 1253359       | 95.06%          | 10.382%       |
| 10        | 9.480       | 1254          | 1257        | 1265         | rBV      | 94431          | 96724         | 7.34%           | 0.801%        |
| 11        | 9.757       | 1301          | 1304        | 1316         | rBV      | 392802         | 388202        | 29.44%          | 3.216%        |
| 12        | 10.557      | 1436          | 1440        | 1450         | rBV      | 550564         | 577840        | 43.83%          | 4.787%        |
| 13        | 11.245      | 1554          | 1557        | 1560         | rBV      | 289553         | 291314        | 22.10%          | 2.413%        |
| 14        | 11.269      | 1560          | 1561        | 1567         | rVB      | 81172          | 74781         | 5.67%           | 0.619%        |
| 15        | 11.704      | 1632          | 1635        | 1640         | rBV3     | 22965          | 31695         | 2.40%           | 0.263%        |
| 16        | 11.774      | 1645          | 1647        | 1655         | rVB2     | 107424         | 112856        | 8.56%           | 0.935%        |
| 17        | 11.863      | 1659          | 1662        | 1664         | rBV      | 18603          | 18466         | 1.40%           | 0.153%        |
| 18        | 12.463      | 1761          | 1764        | 1770         | rBV      | 156096         | 148470        | 11.26%          | 1.230%        |
| 19        | 12.557      | 1777          | 1780        | 1785         | rBV      | 27118          | 27956         | 2.12%           | 0.232%        |
| 20        | 12.692      | 1797          | 1803        | 1809         | rBV      | 133656         | 142845        | 10.83%          | 1.183%        |
| 21        | 12.827      | 1822          | 1826        | 1829         | rBV      | 901052         | 727524        | 55.18%          | 6.027%        |
| 22        | 13.127      | 1873          | 1877        | 1881         | rBV4     | 13775          | 17941         | 1.36%           | 0.149%        |
| 23        | 13.545      | 1945          | 1948        | 1953         | rVB      | 13783          | 16342         | 1.24%           | 0.135%        |
| 24        | 13.727      | 1975          | 1979        | 1982         | rBV3     | 33572          | 42405         | 3.22%           | 0.351%        |
| 25        | 13.892      | 2002          | 2007        | 2010         | rBV2     | 304599         | 354684        | 26.90%          | 2.938%        |
| 26        | 13.916      | 2010          | 2011        | 2015         | rVB      | 74394          | 61340         | 4.65%           | 0.508%        |
| 27        | 14.039      | 2029          | 2032        | 2034         | rBV      | 40797          | 39033         | 2.96%           | 0.323%        |
| 28        | 14.345      | 2081          | 2084        | 2088         | rBV      | 70602          | 67824         | 5.14%           | 0.562%        |
| 29        | 14.639      | 2131          | 2134        | 2138         | rVB      | 105781         | 97674         | 7.41%           | 0.809%        |
| 30        | 14.710      | 2142          | 2146        | 2150         | rVB      | 150281         | 152582        | 11.57%          | 1.264%        |
| 31        | 14.768      | 2153          | 2156        | 2159         | rBV4     | 13742          | 20311         | 1.54%           | 0.168%        |
| 32        | 14.921      | 2178          | 2182        | 2184         | rBV      | 86058          | 114543        | 8.69%           | 0.949%        |
| 33        | 14.957      | 2184          | 2188        | 2192         | rVB2     | 127398         | 170148        | 12.91%          | 1.409%        |
| 34        | 15.021      | 2197          | 2199        | 2202         | rVB      | 20198          | 20583         | 1.56%           | 0.171%        |

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Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
176-28-(0-2.5)

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-BF101819.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 35 | 15.210 | 2227 | 2231 | 2235 | rVB  | 49435  | 55116  | 4.18%  | 0.457% |
| 36 | 15.268 | 2238 | 2241 | 2244 | rBV  | 64630  | 74937  | 5.68%  | 0.621% |
| 37 | 15.327 | 2244 | 2251 | 2255 | rVV2 | 218559 | 367410 | 27.87% | 3.044% |
| 38 | 15.715 | 2312 | 2317 | 2321 | rVB  | 82301  | 113829 | 8.63%  | 0.943% |
| 39 | 15.939 | 2353 | 2355 | 2363 | rVB8 | 17251  | 26582  | 2.02%  | 0.220% |
| 40 | 16.180 | 2391 | 2396 | 2405 | rVB2 | 52896  | 93679  | 7.11%  | 0.776% |
| 41 | 16.739 | 2484 | 2491 | 2499 | rBV4 | 32894  | 81163  | 6.16%  | 0.672% |
| 42 | 17.168 | 2560 | 2564 | 2572 | rBV3 | 23069  | 47231  | 3.58%  | 0.391% |

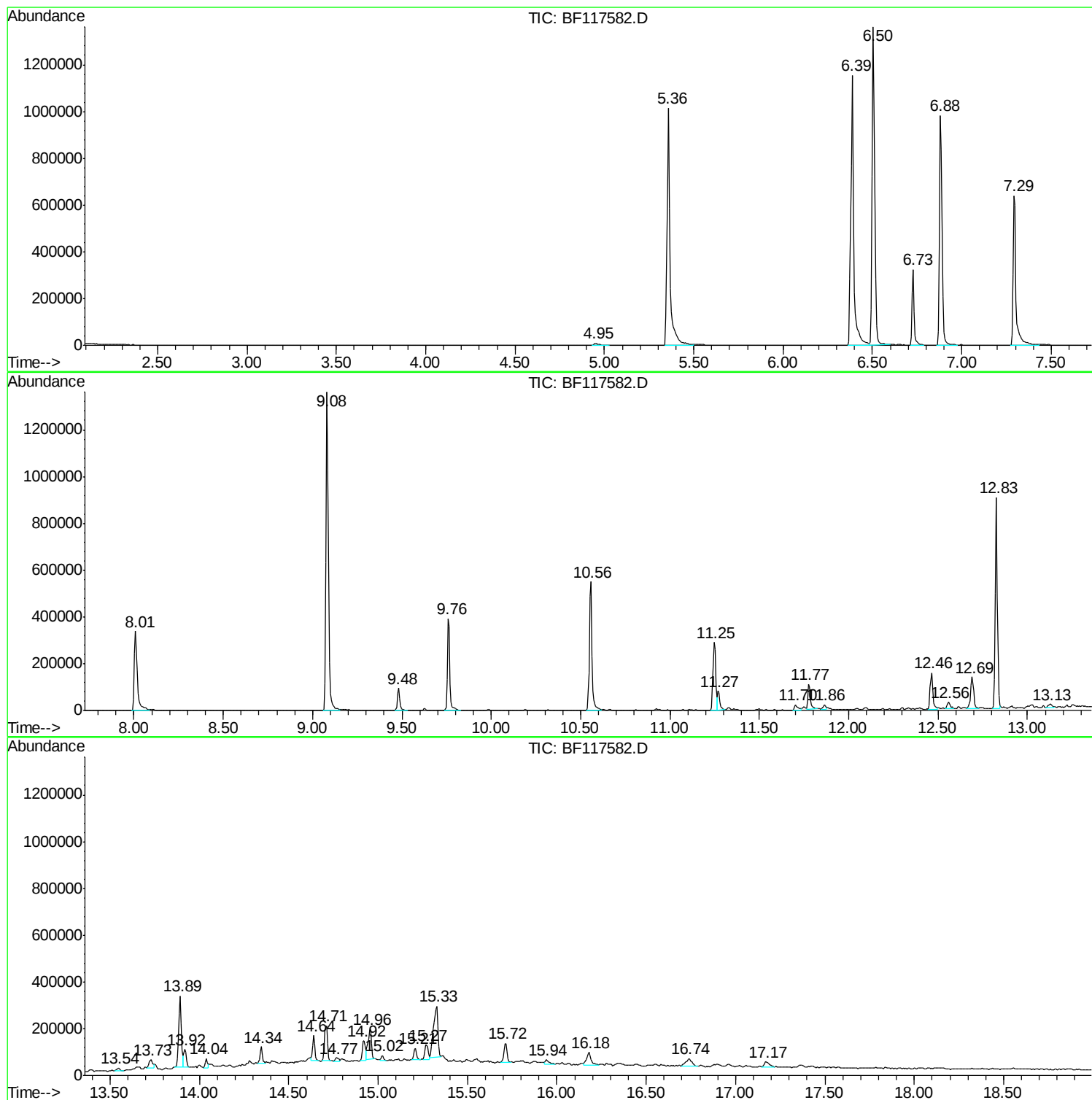
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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Sample : K5503-01  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
176-28-(0-2.5)

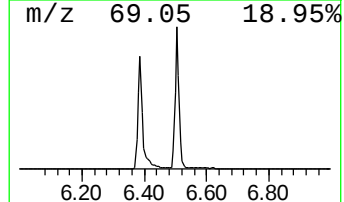
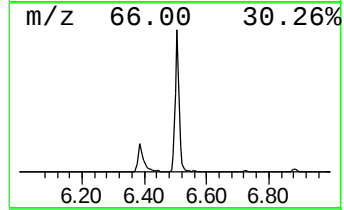
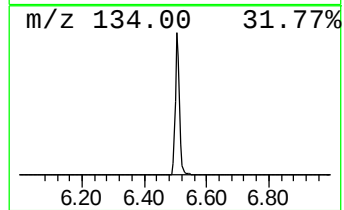
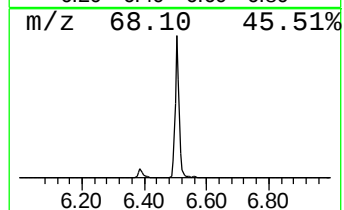
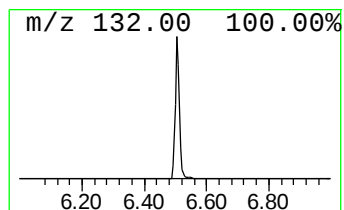
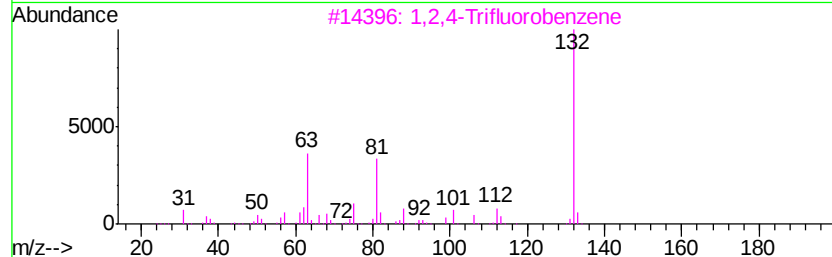
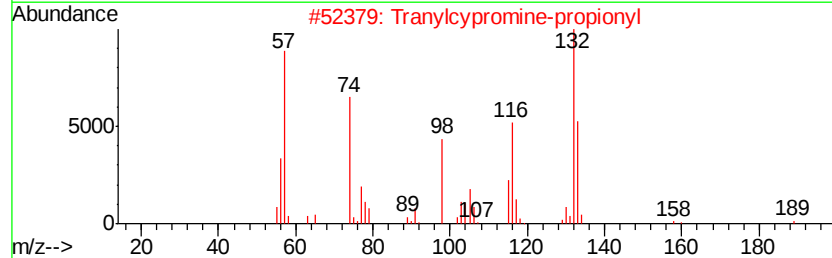
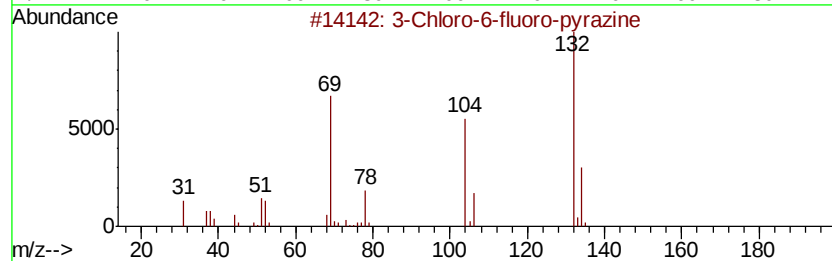
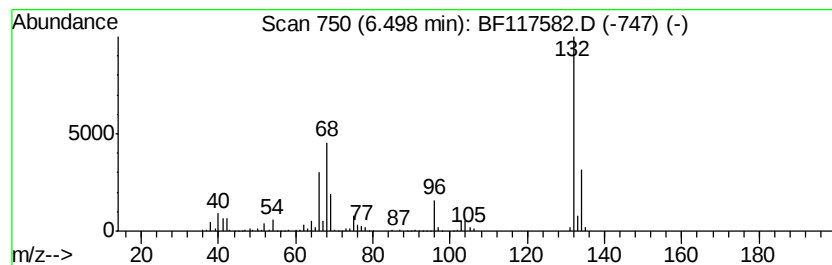
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 unknown6.50 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.50 | 92.07 ng | 1318420 | 1,4-Dichlorobenzene-d4 | 6.73 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 16   |
| 2    |    | Tranvlcyppromine-propionyl          | 189 | C12H15NO  | 1000123-86-3 | 12   |
| 3    |    | 1,2,4-Trifluorobenzene              | 132 | C6H3F3    | 000367-23-7  | 9    |
| 4    |    | 1,3,5-Trifluorobenzene              | 132 | C6H3F3    | 000372-38-3  | 9    |
| 5    |    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12    | 028749-81-7  | 9    |



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Instrument :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

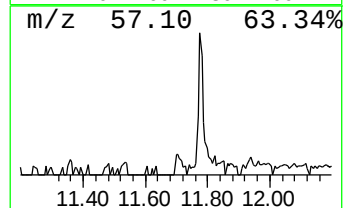
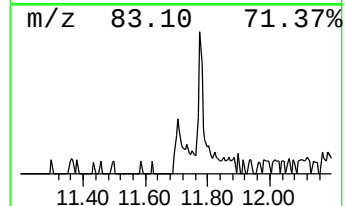
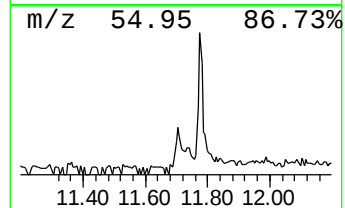
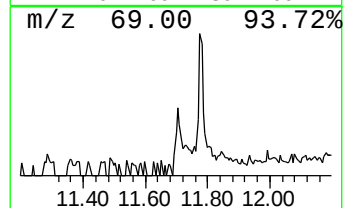
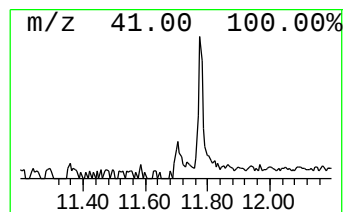
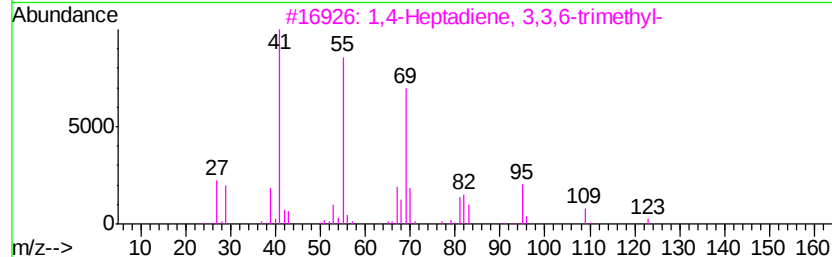
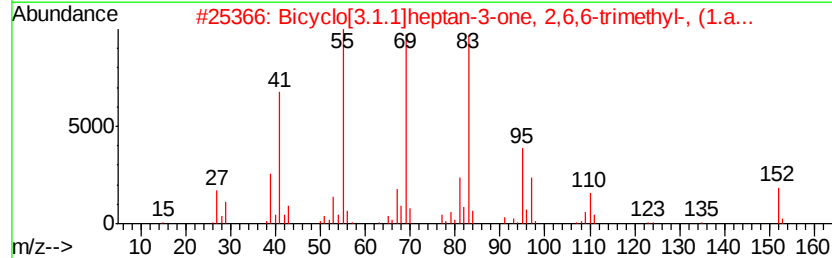
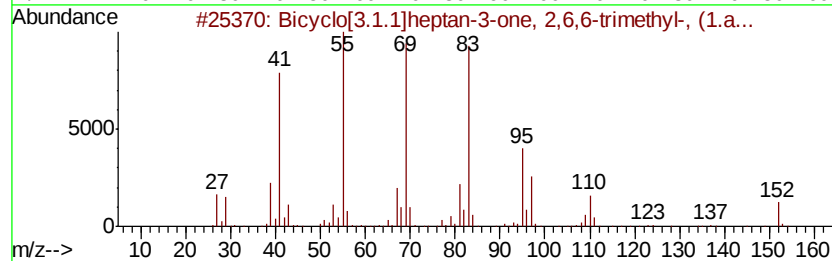
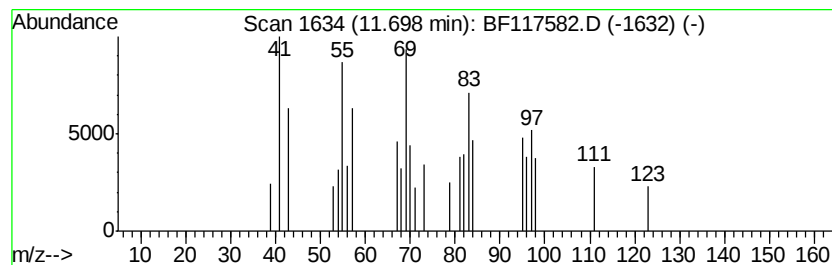
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Bicyclo[3.1.1]heptan-3-one,... Concentration Rank 12

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 11.70 | 2.18 ng | 31695 | Phenanthrene-d10 | 11.25 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|-------------------------------------|-----|---------|--------------|------|
| 1    | 5  | Bicyclo[3.1.1]heptan-3-one, 2,6,... | 152 | C10H16O | 000547-60-4  | 53   |
| 2    |    | Bicyclo[3.1.1]heptan-3-one, 2,6,... | 152 | C10H16O | 015358-88-0  | 49   |
| 3    |    | 1,4-Heptadiene, 3,3,6-trimethyl-    | 138 | C10H18  | 074498-89-8  | 38   |
| 4    |    | 2-Hexenal                           | 98  | C6H10O  | 000505-57-7  | 38   |
| 5    |    | 1-Pyrroline, 3-ethyl-               | 97  | C6H11N  | 1000073-06-0 | 38   |



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Instrument :  
BNA\_F  
ClientSampleId :  
176-28-(0-2.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

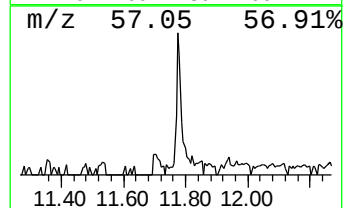
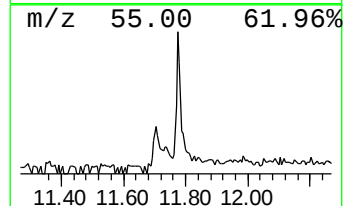
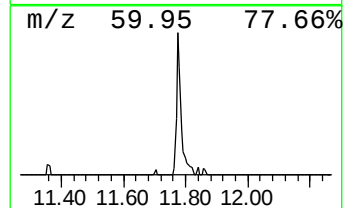
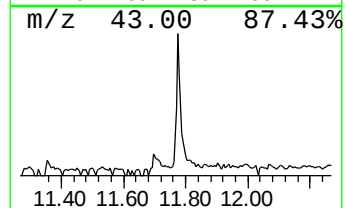
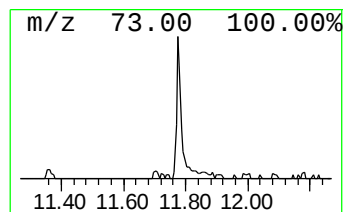
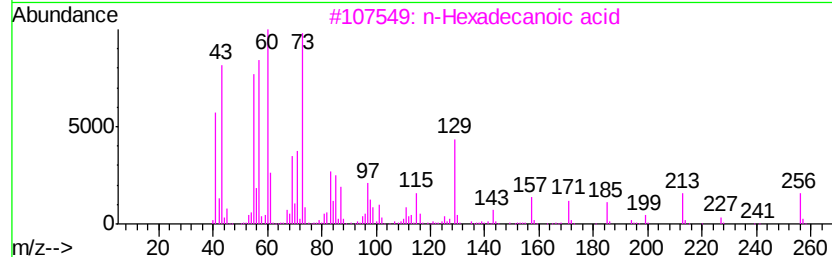
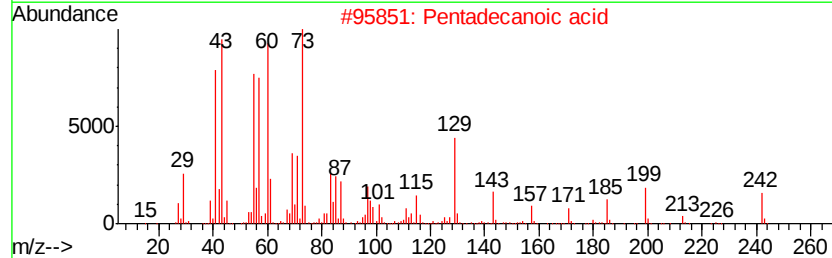
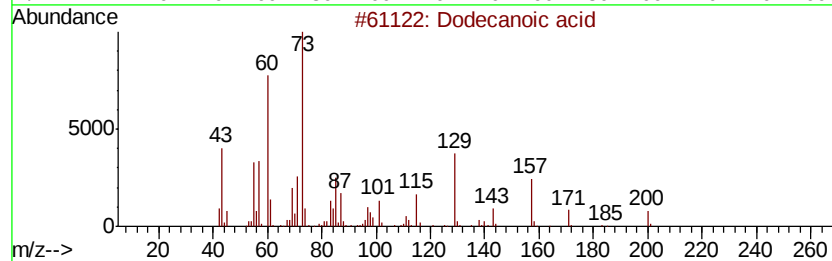
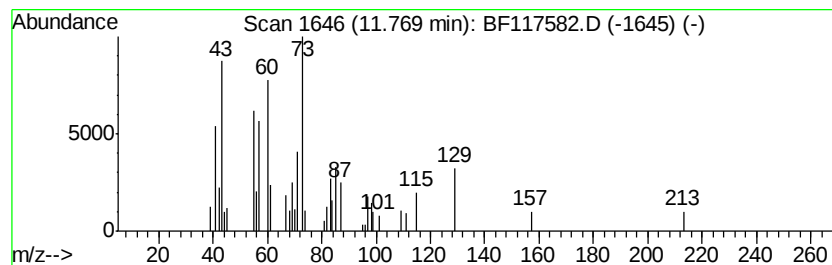
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Dodecanoic acid Concentration Rank 4

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 11.77 | 7.75 ng | 112856 | Phenanthrene-d10 | 11.25 |

| Hit# of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|---------|---|---------------------|-----|----------|-------------|------|
| 1       |   | Dodecanoic acid     | 200 | C12H24O2 | 000143-07-7 | 64   |
| 2       |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 62   |
| 3       |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 62   |
| 4       |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 59   |
| 5       |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 53   |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

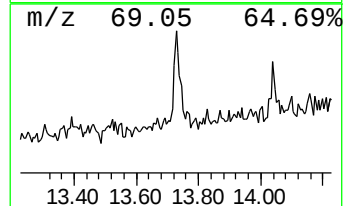
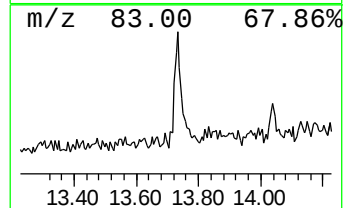
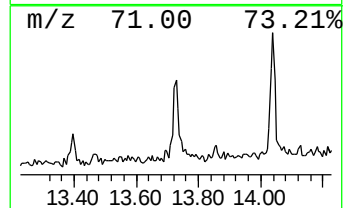
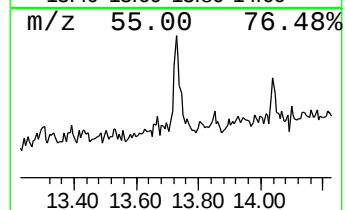
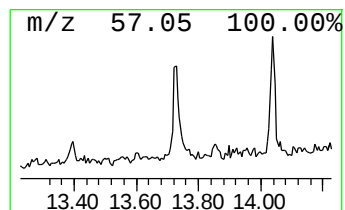
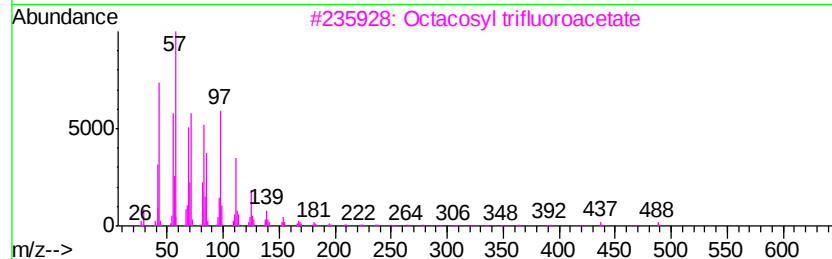
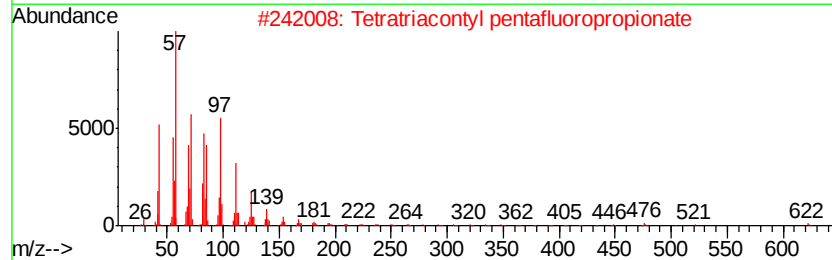
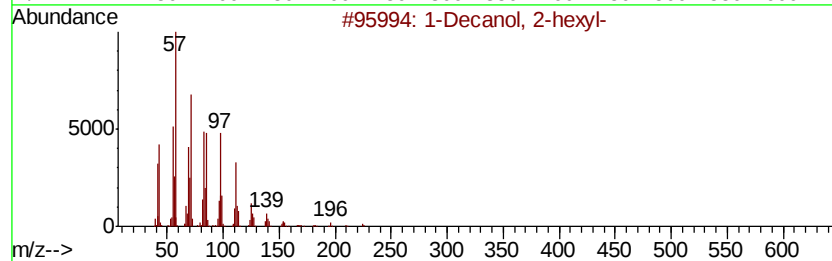
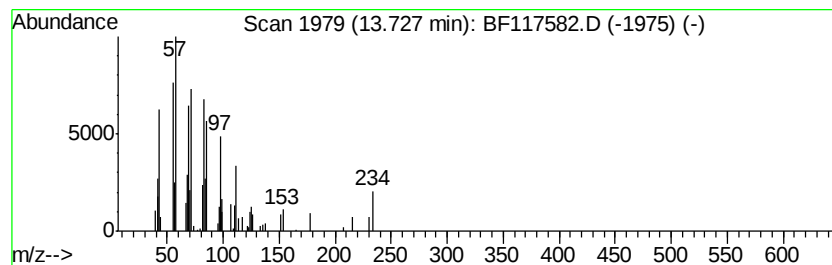
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 1-Decanol, 2-hexyl- Concentration Rank 10

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 13.73 | 2.39 ng | 42405 | Chrysene-d12     | 13.89 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|-------------------------------------|-----|------------|--------------|------|
| 1    | 5  | 1-Decanol, 2-hexyl-                 | 242 | C16H34O    | 002425-77-6  | 83   |
| 2    |    | Tetratriacontyl pentafluoropropi... | 641 | C37H69F5O2 | 1000351-81-5 | 64   |
| 3    |    | Octacosyl trifluoroacetate          | 506 | C30H57F3O2 | 1000351-74-9 | 49   |
| 4    |    | Isobutyl tetradecyl carbonate       | 314 | C19H38O3   | 959275-58-2  | 46   |
| 5    |    | Trifluoroacetoxy hexadecane         | 338 | C18H33F3O2 | 006222-03-3  | 43   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\  
Data File : BF117582.D  
Acq On : 29 Oct 2019 11:24  
Operator : JU  
Sample : K5503-01  
Misc :  
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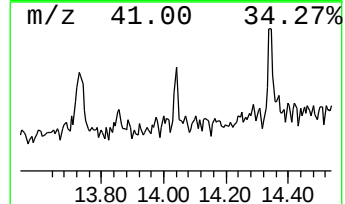
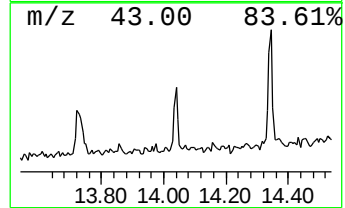
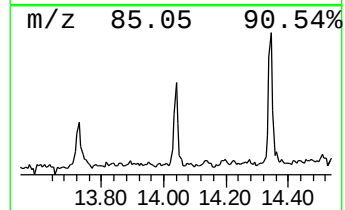
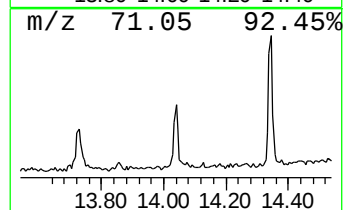
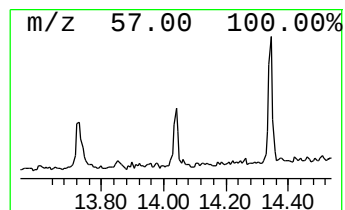
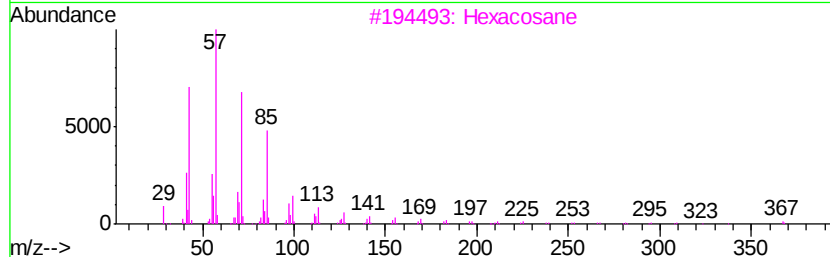
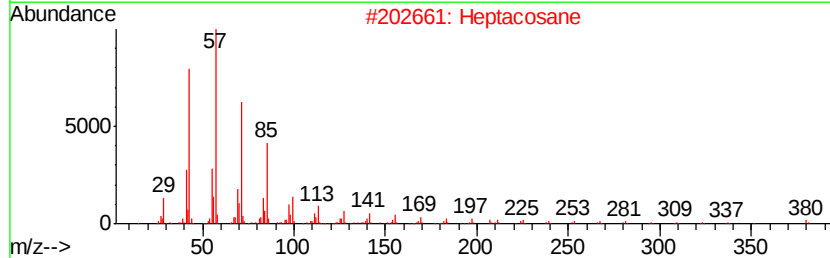
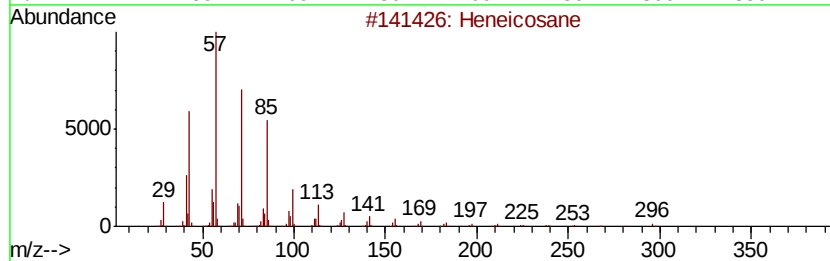
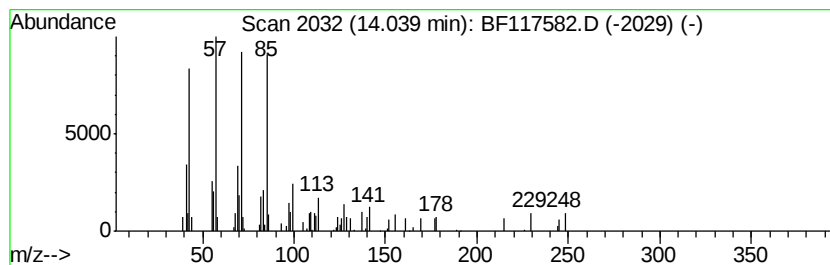
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176-28-(0-2.5)

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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 6 Heneicosane Concentration Rank 11

| R.T.    | EstConc               | Area         | Relative to ISTD | R.T.      |
|---------|-----------------------|--------------|------------------|-----------|
| 14.04   | 2.20 ng               | 39033        | Chrysene-d12     | 13.89     |
| Hit# of | 5                     | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | Heneicosane           | 296 C21H44   | 000629-94-7      | 83        |
| 2       | Heptacosane           | 380 C27H56   | 000593-49-7      | 83        |
| 3       | Hexacosane            | 366 C26H54   | 000630-01-3      | 83        |
| 4       | triacontane           | 422 C30H62   | 000638-68-6      | 80        |
| 5       | Heptadecane, 9-octyl- | 352 C25H52   | 007225-64-1      | 80        |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\  
Data File : BF117582.D  
Acq On : 29 Oct 2019 11:24  
Operator : JU  
Sample : K5503-01  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
176-28-(0-2.5)

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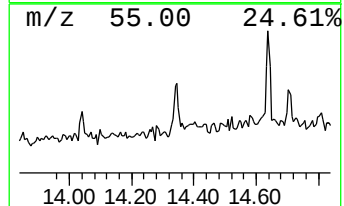
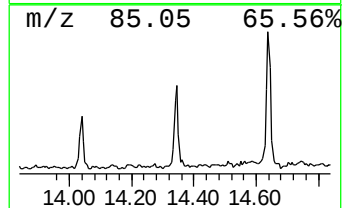
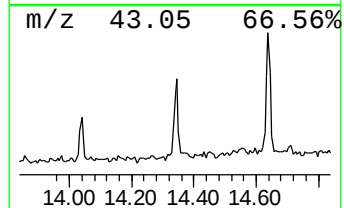
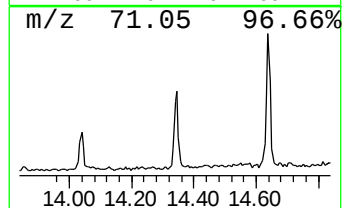
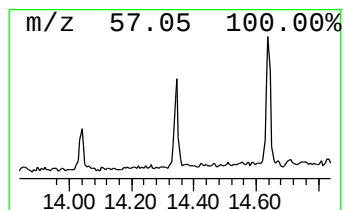
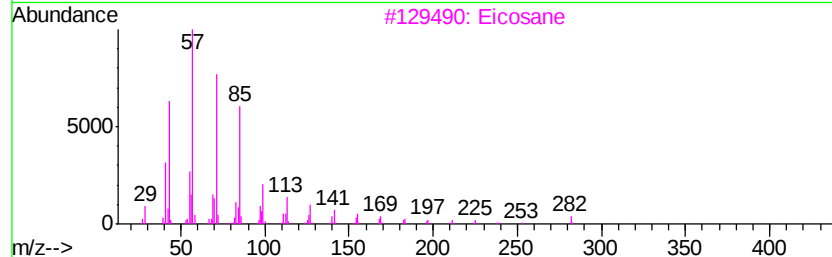
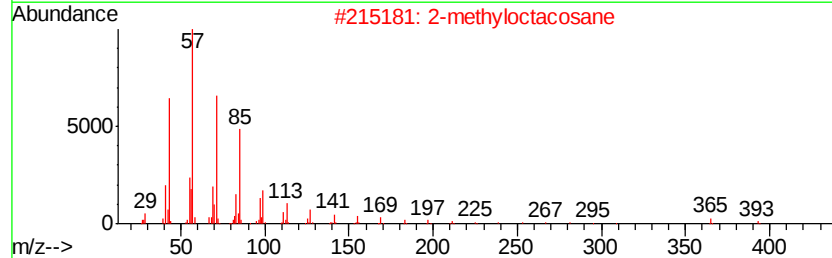
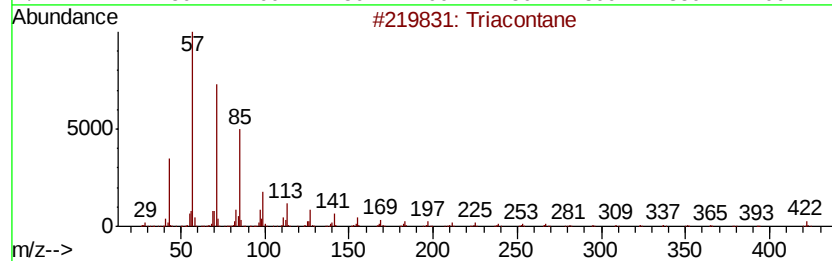
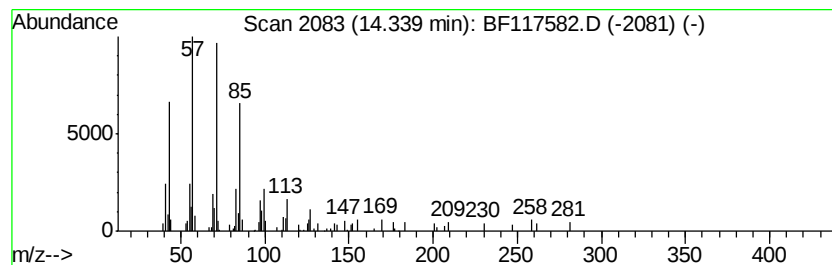
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TIC Integration Parameters: LSCINT.P

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Peak Number 7 Triacontane Concentration Rank 8

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 14.34 | 3.82 ng | 67824 | Chrysene-d12     | 13.89 |

| Hit# | of | Tentative ID       | MW  | MolForm | CAS#         | Qual |
|------|----|--------------------|-----|---------|--------------|------|
| 1    | 5  | Triacontane        | 422 | C30H62  | 000638-68-6  | 87   |
| 2    |    | 2-methyloctacosane | 408 | C29H60  | 1000376-72-8 | 87   |
| 3    |    | Eicosane           | 282 | C20H42  | 000112-95-8  | 87   |
| 4    |    | Octacosane         | 394 | C28H58  | 000630-02-4  | 86   |
| 5    |    | Nonacosane         | 408 | C29H60  | 000630-03-5  | 86   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\  
Data File : BF117582.D  
Acq On : 29 Oct 2019 11:24  
Operator : JU  
Sample : K5503-01  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
176-28-(0-2.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M  
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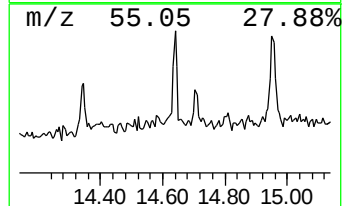
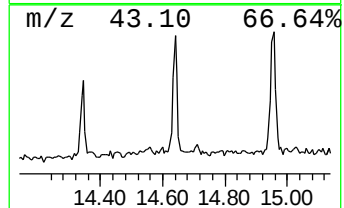
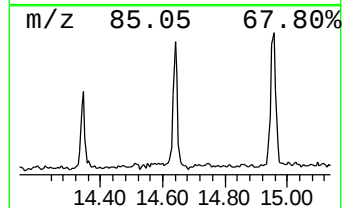
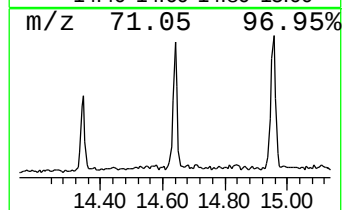
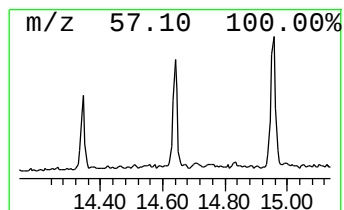
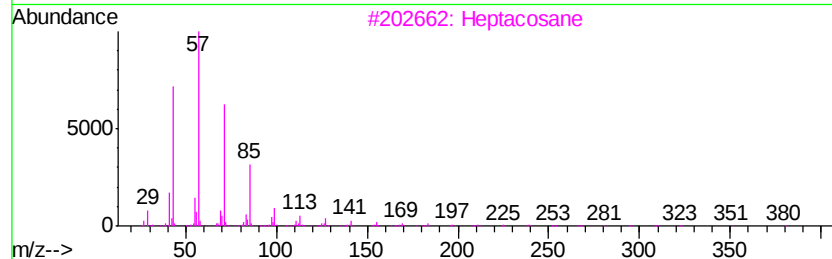
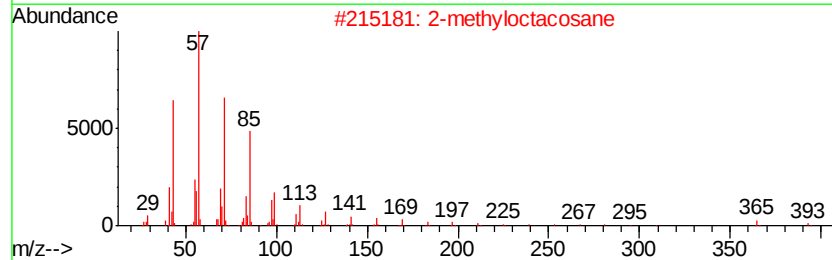
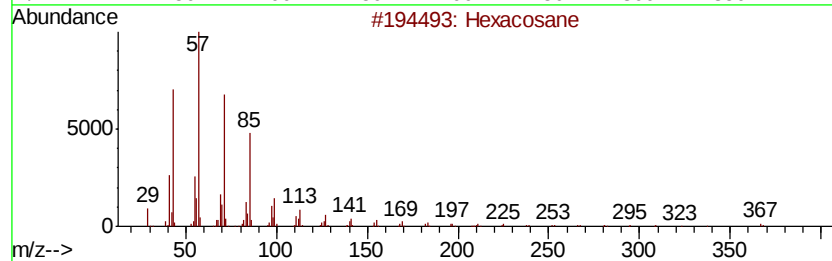
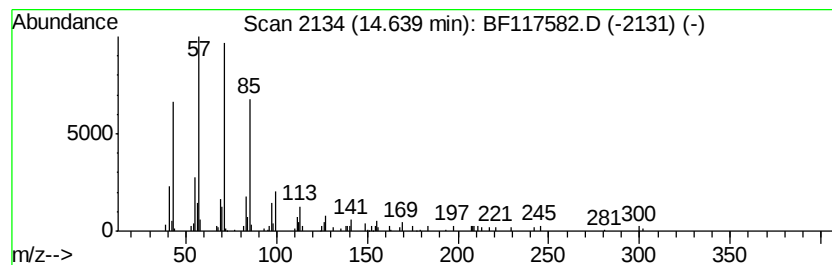
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TIC Integration Parameters: LSCINT.P

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Peak Number 8 Hexacosane Concentration Rank 6

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 14.64 | 5.32 ng | 97674 | Perylene-d12     | 15.33 |

| Hit# | of | Tentative ID       | MW  | MolForm | CAS#         | Qual |
|------|----|--------------------|-----|---------|--------------|------|
| 1    | 5  | Hexacosane         | 366 | C26H54  | 000630-01-3  | 91   |
| 2    |    | 2-methyloctacosane | 408 | C29H60  | 1000376-72-8 | 91   |
| 3    |    | Heptacosane        | 380 | C27H56  | 000593-49-7  | 91   |
| 4    |    | Heneicosane        | 296 | C21H44  | 000629-94-7  | 91   |
| 5    |    | triacontane        | 422 | C30H62  | 000638-68-6  | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\  
Data File : BF117582.D  
Acq On : 29 Oct 2019 11:24  
Operator : JU  
Sample : K5503-01  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
176-28-(0-2.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M  
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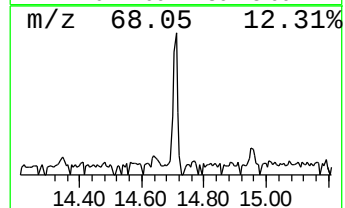
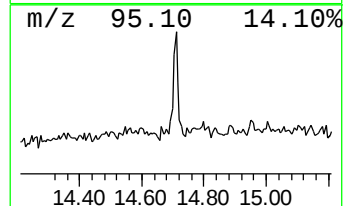
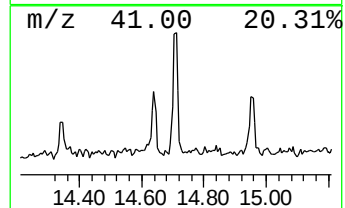
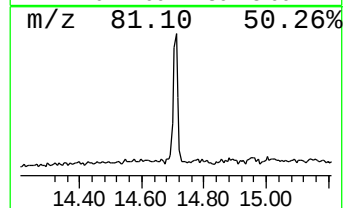
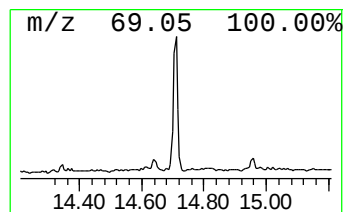
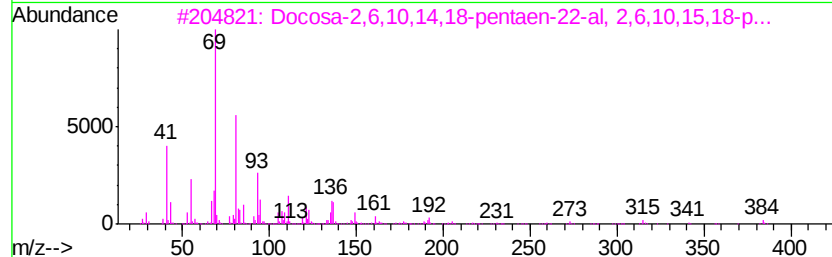
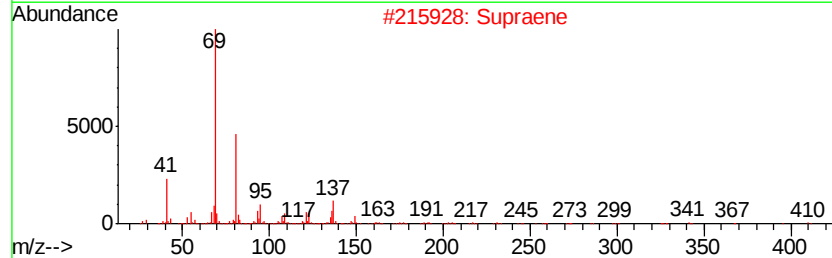
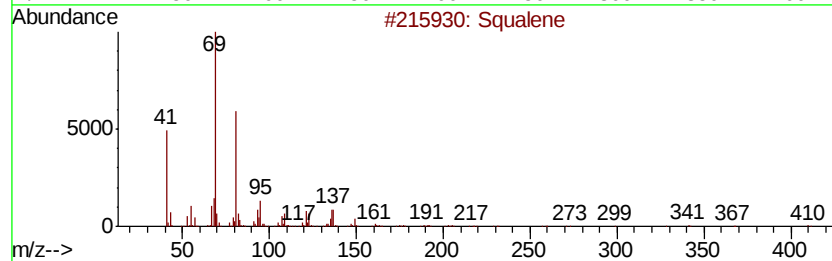
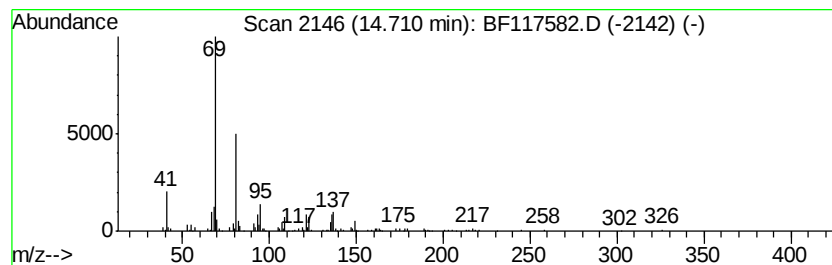
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Squalene Concentration Rank 3

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 14.71 | 8.31 ng | 152582 | Perylene-d12     | 15.33 |

| 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    |    | 2,6,10-Dodecatrien-1-ol, 3,7,11-... | 222 | C15H26O | 004602-84-0  | 72   |
| 5    |    | 7,11-Dimethyldodeca-2,6,10-trien... | 208 | C14H24O | 125529-10-4  | 72   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\  
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Acq On : 29 Oct 2019 11:24  
Operator : JU  
Sample : K5503-01  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
176-28-(0-2.5)

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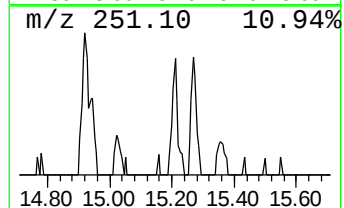
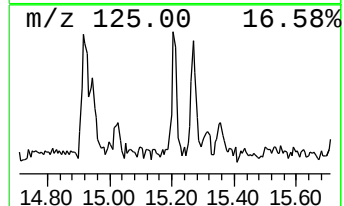
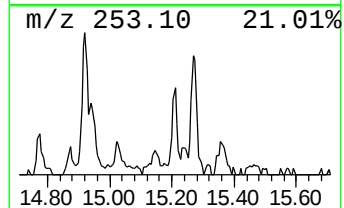
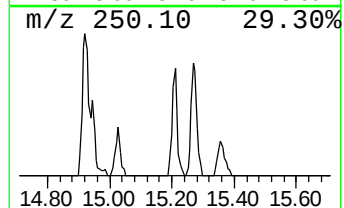
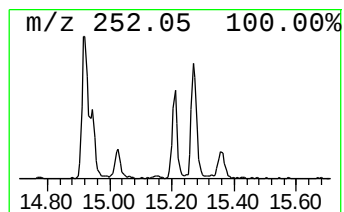
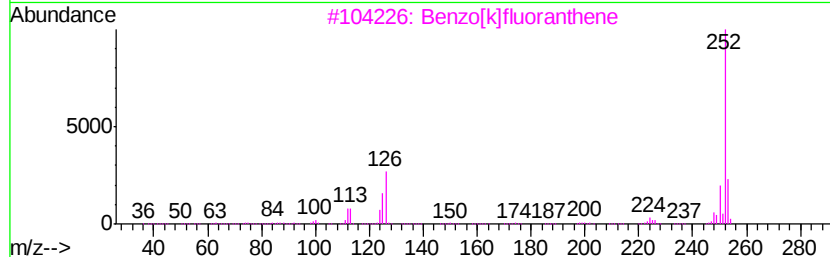
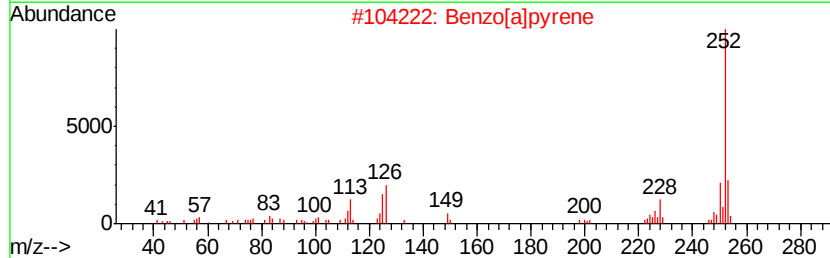
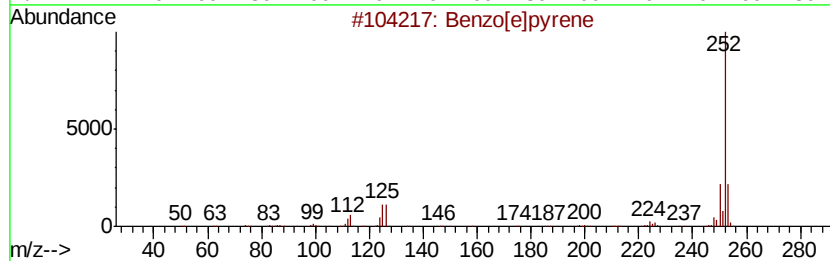
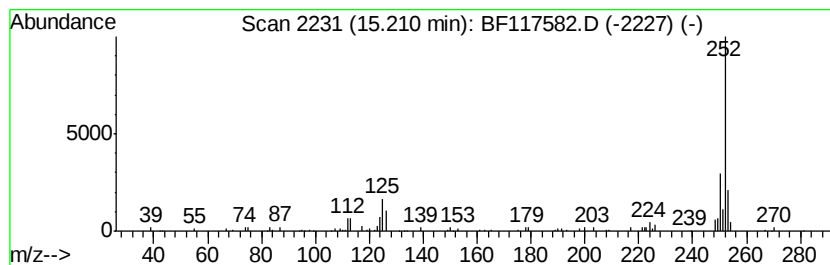
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TIC Integration Parameters: LSCINT.P

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Peak Number 10 Benzo[e]pyrene Concentration Rank 9

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 15.21 | 3.00 ng | 55116 | Perylene-d12     | 15.33 |

| Hit# | of | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------|-----|---------|-------------|------|
| 1    | 5  | Benzo[e]pyrene       | 252 | C20H12  | 000192-97-2 | 87   |
| 2    |    | Benzo[a]pyrene       | 252 | C20H12  | 000050-32-8 | 81   |
| 3    |    | Benzo[k]fluoranthene | 252 | C20H12  | 000207-08-9 | 81   |
| 4    |    | Perylene             | 252 | C20H12  | 000198-55-0 | 81   |
| 5    |    | Benzo[j]fluoranthene | 252 | C20H12  | 000205-82-3 | 81   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\  
Data File : BF117582.D  
Acq On : 29 Oct 2019 11:24  
Operator : JU  
Sample : K5503-01  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
176-28-(0-2.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M  
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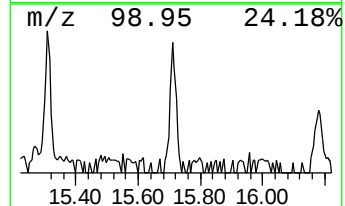
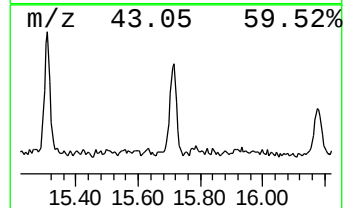
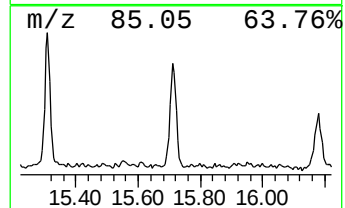
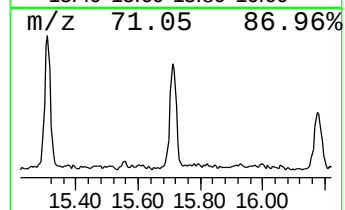
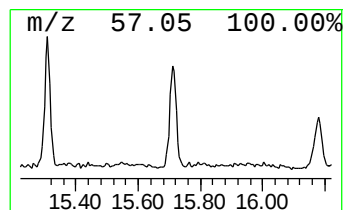
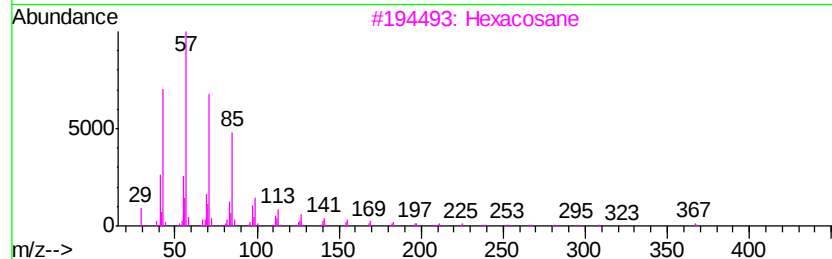
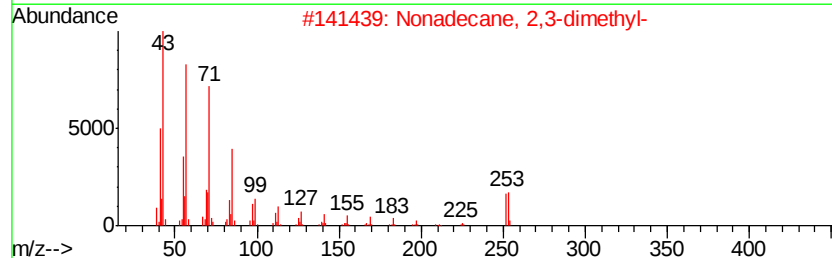
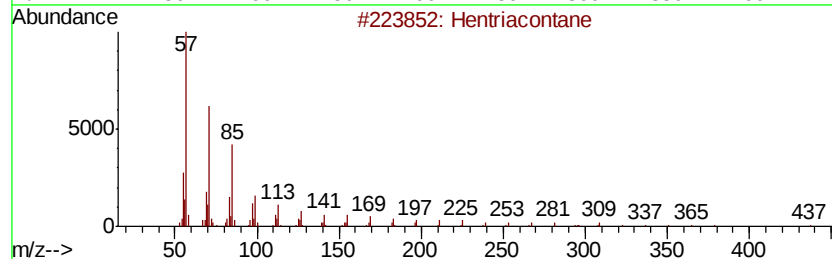
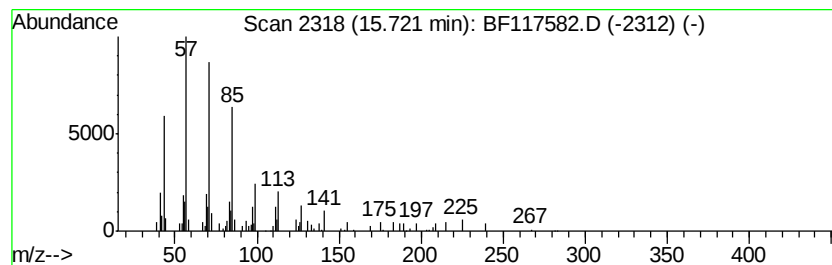
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TIC Integration Parameters: LSCINT.P

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Peak Number 11 Hentriacontane Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 15.72 | 6.20 ng | 113829 | Perylene-d12     | 15.33 |

| Hit# | of | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------------|-----|---------|-------------|------|
| 1    | 5  | Hentriacontane                   | 437 | C31H64  | 000630-04-6 | 91   |
| 2    |    | Nonadecane, 2,3-dimethyl-        | 296 | C21H44  | 075163-99-4 | 91   |
| 3    |    | Hexacosane                       | 366 | C26H54  | 000630-01-3 | 91   |
| 4    |    | Heneicosane, 11-(1-ethylpropyl)- | 366 | C26H54  | 055282-11-6 | 91   |
| 5    |    | Octacosane                       | 394 | C28H58  | 000630-02-4 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\  
Data File : BF117582.D  
Acq On : 29 Oct 2019 11:24  
Operator : JU  
Sample : K5503-01  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
176-28-(0-2.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

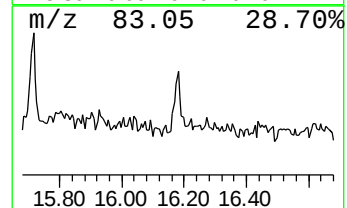
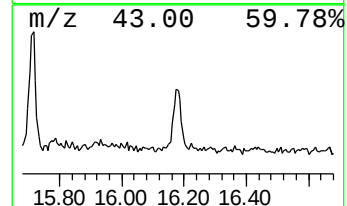
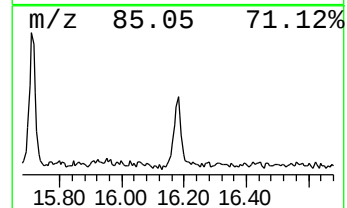
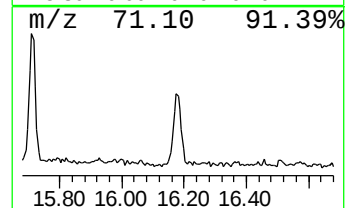
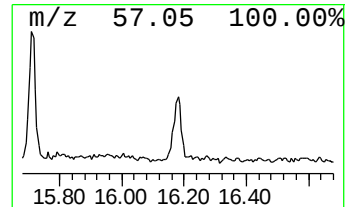
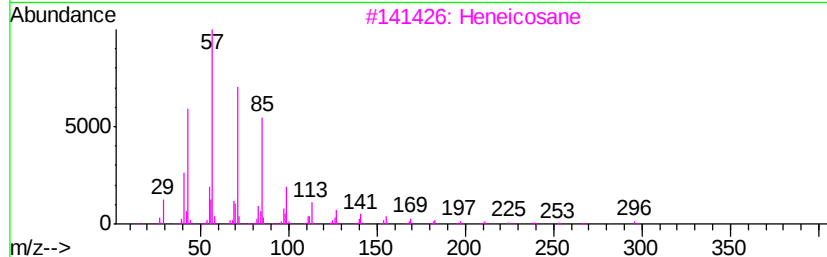
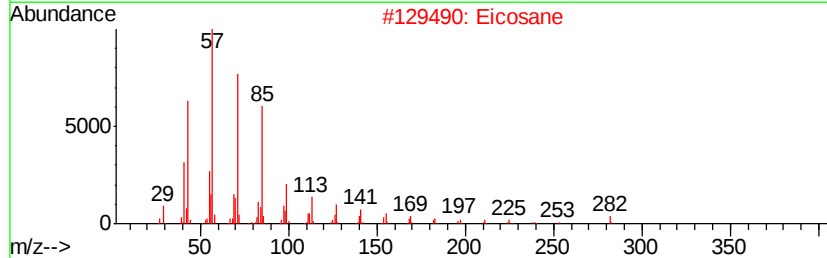
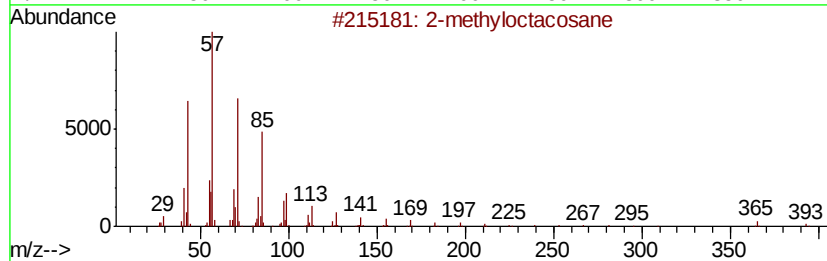
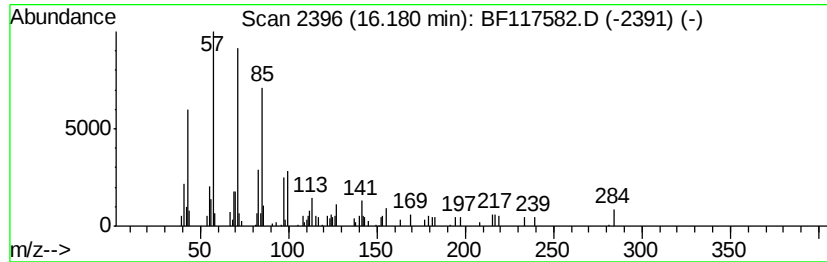
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 12 2-methyloctacosane Concentration Rank 7

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 16.18 | 5.10 ng | 93679 | Perylene-d12     | 15.33 |

| Hit# | of | Tentative ID       | MW  | MolForm | CAS#         | Qual |
|------|----|--------------------|-----|---------|--------------|------|
| 1    | 5  | 2-methyloctacosane | 408 | C29H60  | 1000376-72-8 | 87   |
| 2    |    | Eicosane           | 282 | C20H42  | 000112-95-8  | 80   |
| 3    |    | Heneicosane        | 296 | C21H44  | 000629-94-7  | 80   |
| 4    |    | Octadecane         | 254 | C18H38  | 000593-45-3  | 80   |
| 5    |    | Pentacosane        | 352 | C25H52  | 000629-99-2  | 80   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF102919\  
 Data File : BF117582.D  
 Acq On : 29 Oct 2019 11:24  
 Operator : JU  
 Sample : K5503-01  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 176-28-(0-2.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF101819.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 |
| unknown6.50          | 6.50  | 92.1 ng |       | 1318420  | 1                     | 6.73  | 286383 | 20.0 |
| Bicyclo[3.1.1]hep... | 11.70 | 2.2 ng  |       | 31695    | 4                     | 11.25 | 291314 | 20.0 |
| Dodecanoic acid      | 11.77 | 7.8 ng  |       | 112856   | 4                     | 11.25 | 291314 | 20.0 |
| 1-Decanol, 2-hexyl-  | 13.73 | 2.4 ng  |       | 42405    | 5                     | 13.89 | 354684 | 20.0 |
| Heneicosane          | 14.04 | 2.2 ng  |       | 39033    | 5                     | 13.89 | 354684 | 20.0 |
| Triacontane          | 14.34 | 3.8 ng  |       | 67824    | 5                     | 13.89 | 354684 | 20.0 |
| Hexacosane           | 14.64 | 5.3 ng  |       | 97674    | 6                     | 15.33 | 367410 | 20.0 |
| Squalene             | 14.71 | 8.3 ng  |       | 152582   | 6                     | 15.33 | 367410 | 20.0 |
| Benzo[e]pyrene       | 15.21 | 3.0 ng  |       | 55116    | 6                     | 15.33 | 367410 | 20.0 |
| Hentriacontane       | 15.72 | 6.2 ng  |       | 113829   | 6                     | 15.33 | 367410 | 20.0 |
| 2-methyloctacosane   | 16.18 | 5.1 ng  |       | 93679    | 6                     | 15.33 | 367410 | 20.0 |