

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF102419\  
 Data File : BF117510.D  
 Acq On : 24 Oct 2019 15:19  
 Operator : JU  
 Sample : K5498-09  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 196-58-(0-1)

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         | 5.351       | 552           | 555         | 582          | rBV      | 767306         | 897863        | 86.48%          | 8.859%        |
| 2         | 6.381       | 727           | 730         | 748          | rBV      | 950720         | 1024584       | 98.68%          | 10.109%       |
| 3         | 6.504       | 748           | 751         | 764          | rVB      | 1072123        | 1038251       | 100.00%         | 10.244%       |
| 4         | 6.734       | 787           | 790         | 798          | rBV      | 302016         | 297337        | 28.64%          | 2.934%        |
| 5         | 6.887       | 812           | 816         | 826          | rBV      | 798391         | 678132        | 65.31%          | 6.691%        |
| 6         | 7.298       | 882           | 886         | 903          | rBV      | 631795         | 615131        | 59.25%          | 6.069%        |
| 7         | 8.010       | 1004          | 1007        | 1016         | rBV      | 399055         | 392726        | 37.83%          | 3.875%        |
| 8         | 9.086       | 1186          | 1190        | 1201         | rBV      | 972239         | 836372        | 80.56%          | 8.252%        |
| 9         | 9.480       | 1254          | 1257        | 1267         | rBV      | 144334         | 118961        | 11.46%          | 1.174%        |
| 10        | 9.763       | 1301          | 1305        | 1312         | rBV      | 566940         | 471117        | 45.38%          | 4.648%        |
| 11        | 10.557      | 1436          | 1440        | 1454         | rBV      | 603773         | 619621        | 59.68%          | 6.114%        |
| 12        | 11.251      | 1554          | 1558        | 1565         | rBV      | 473283         | 470466        | 45.31%          | 4.642%        |
| 13        | 11.780      | 1644          | 1648        | 1656         | rBV      | 133645         | 142351        | 13.71%          | 1.405%        |
| 14        | 12.463      | 1762          | 1764        | 1771         | rBV      | 29540          | 36932         | 3.56%           | 0.364%        |
| 15        | 12.557      | 1777          | 1780        | 1787         | rBV2     | 45079          | 58501         | 5.63%           | 0.577%        |
| 16        | 12.692      | 1799          | 1803        | 1808         | rBV      | 26316          | 32445         | 3.12%           | 0.320%        |
| 17        | 12.827      | 1823          | 1826        | 1832         | rBV      | 714326         | 672522        | 64.77%          | 6.636%        |
| 18        | 13.057      | 1861          | 1865        | 1869         | rVB3     | 10859          | 14212         | 1.37%           | 0.140%        |
| 19        | 13.398      | 1920          | 1923        | 1928         | rVB6     | 9693           | 13492         | 1.30%           | 0.133%        |
| 20        | 13.727      | 1976          | 1979        | 1989         | rVB      | 123297         | 165833        | 15.97%          | 1.636%        |
| 21        | 13.863      | 1998          | 2002        | 2004         | rBV      | 88317          | 81871         | 7.89%           | 0.808%        |
| 22        | 13.892      | 2004          | 2007        | 2015         | rVB      | 323386         | 343879        | 33.12%          | 3.393%        |
| 23        | 14.045      | 2030          | 2033        | 2035         | rBV      | 23446          | 19680         | 1.90%           | 0.194%        |
| 24        | 14.351      | 2082          | 2085        | 2088         | rBV      | 50665          | 57096         | 5.50%           | 0.563%        |
| 25        | 14.651      | 2133          | 2136        | 2140         | rBV      | 75247          | 64098         | 6.17%           | 0.632%        |
| 26        | 14.721      | 2145          | 2148        | 2152         | rVB      | 43521          | 37495         | 3.61%           | 0.370%        |
| 27        | 14.933      | 2180          | 2184        | 2185         | rBV4     | 16468          | 19666         | 1.89%           | 0.194%        |
| 28        | 14.968      | 2186          | 2190        | 2193         | rVB      | 109386         | 109634        | 10.56%          | 1.082%        |
| 29        | 15.327      | 2246          | 2251        | 2262         | rVB2     | 323869         | 442209        | 42.59%          | 4.363%        |
| 30        | 15.727      | 2315          | 2319        | 2324         | rBV      | 84114          | 120659        | 11.62%          | 1.191%        |
| 31        | 15.798      | 2326          | 2331        | 2337         | rBV9     | 21813          | 46442         | 4.47%           | 0.458%        |
| 32        | 15.951      | 2355          | 2357        | 2361         | rBV4     | 13191          | 14988         | 1.44%           | 0.148%        |
| 33        | 16.198      | 2395          | 2399        | 2403         | rVV2     | 42872          | 65862         | 6.34%           | 0.650%        |
| 34        | 16.233      | 2403          | 2405        | 2410         | rVB3     | 14648          | 14521         | 1.40%           | 0.143%        |

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Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
196-58-(0-1)

Integration Parameters: rteint.p  
Integrator: RTE  
Smoothing : ON Filtering: 5  
Sampling : 1 Min Area: 3 % of largest Peak  
Start Thrs: 0.2 Max Peaks: 100  
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
Peak separation: 5

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

|    |        |      |      |      |      |       |       |       |        |
|----|--------|------|------|------|------|-------|-------|-------|--------|
| 35 | 16.362 | 2424 | 2427 | 2436 | rVB9 | 15250 | 28011 | 2.70% | 0.276% |
| 36 | 16.751 | 2488 | 2493 | 2501 | rVB8 | 23567 | 49342 | 4.75% | 0.487% |
| 37 | 17.392 | 2600 | 2602 | 2607 | rVB6 | 15957 | 22706 | 2.19% | 0.224% |

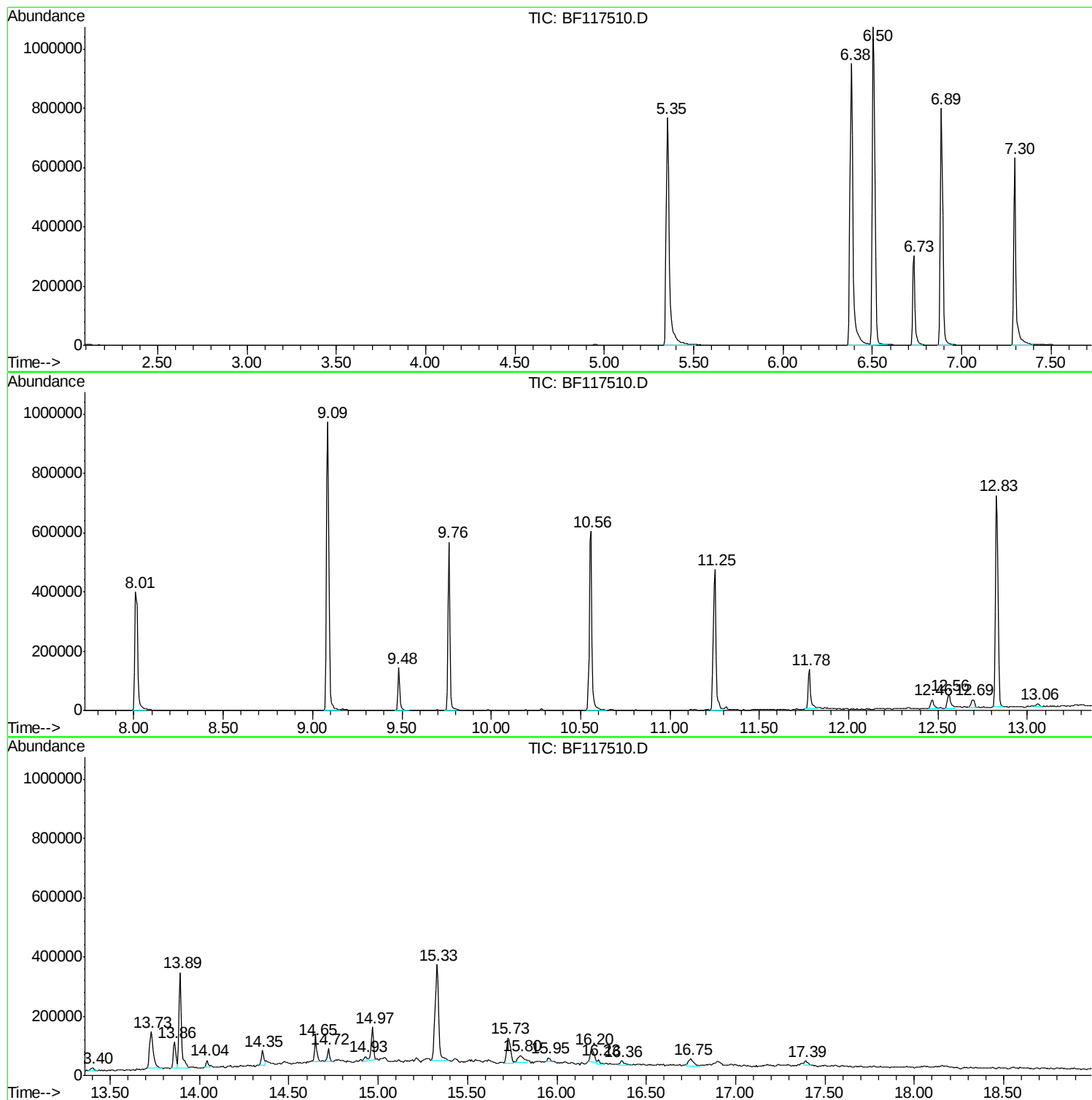
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ClientSampled :  
196-58-(0-1)

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

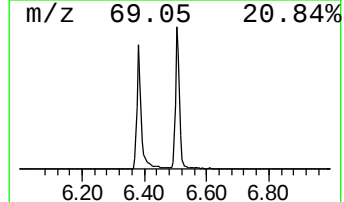
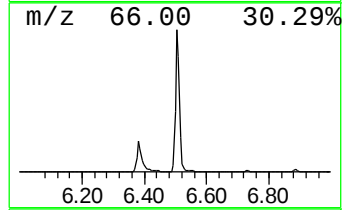
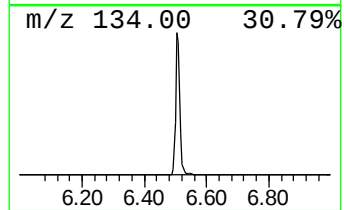
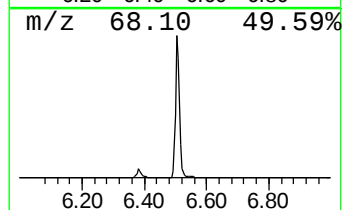
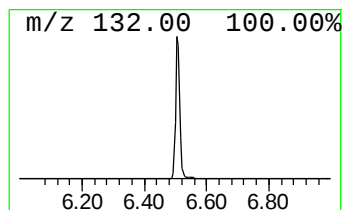
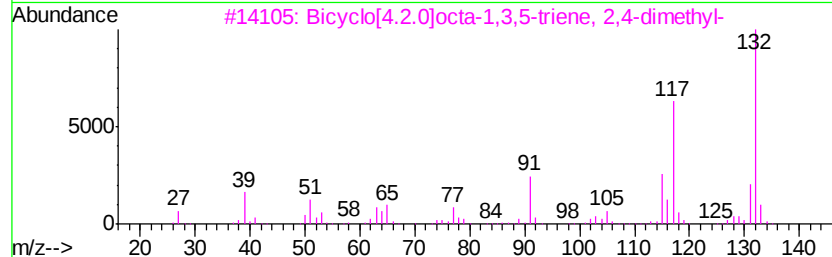
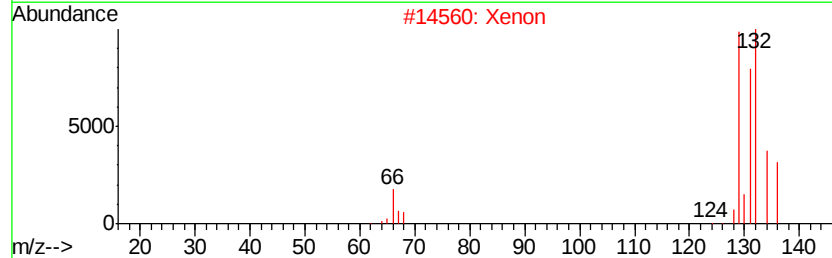
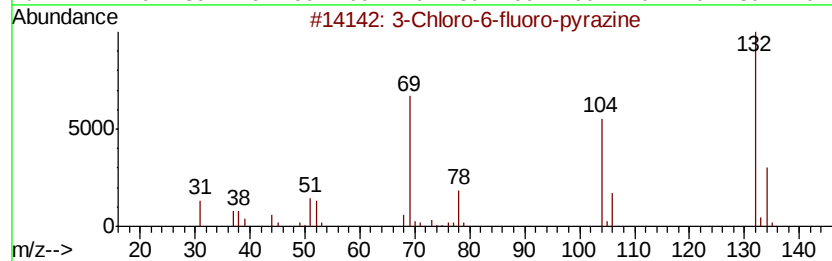
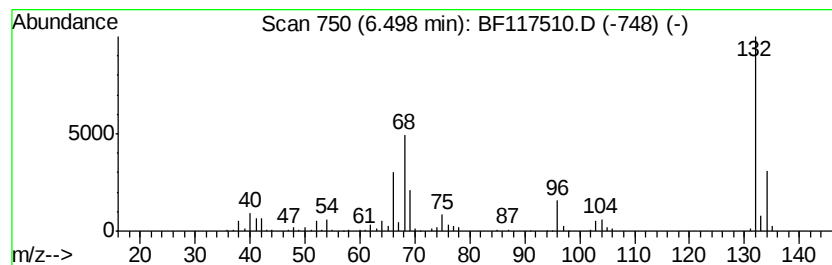
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 unknown6.50 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.50 | 69.84 ng | 1038250 | 1,4-Dichlorobenzene-d4 | 6.73 |

| Hit# | of                                  | 5 | Tentative ID | MW  | MolForm   | CAS#         | Qual |
|------|-------------------------------------|---|--------------|-----|-----------|--------------|------|
| 1    | 3-Chloro-6-fluoro-pyrazine          |   |              | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    | Xenon                               |   |              | 132 | Xe        | 007440-63-3  | 9    |
| 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    | 5-Fluoro-2-chloropyrimidine         |   |              | 132 | C4H2ClFN2 | 062802-42-0  | 9    |



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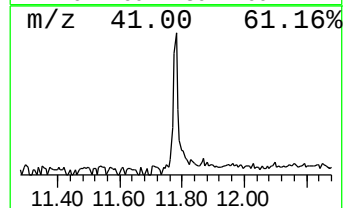
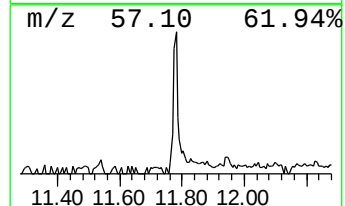
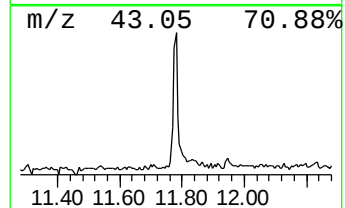
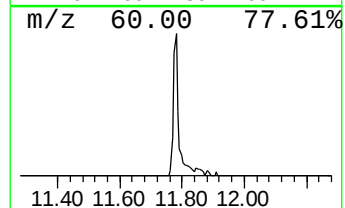
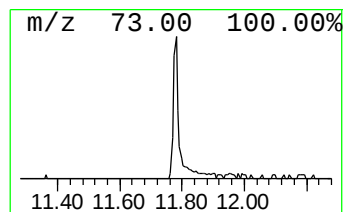
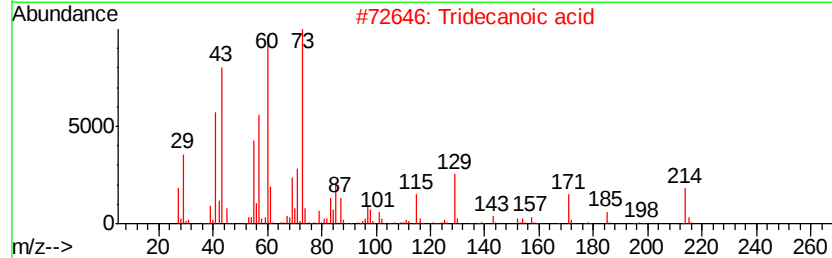
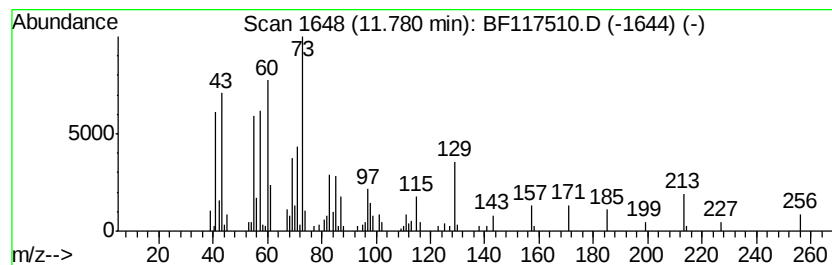
Instrument :  
BNA\_F  
ClientSampleId :  
196-58-(0-1)

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 n-Hexadecanoic acid Concentration Rank 4

| R.T.      | EstConc                            | Area   | Relative to ISTD | R.T.         |      |
|-----------|------------------------------------|--------|------------------|--------------|------|
| 11.78     | 6.05 ng                            | 142351 | Phenanthrene-d10 | 11.25        |      |
| Hit# of 5 | Tentative ID                       | MW     | MolForm          | CAS#         | Qual |
| 1         | n-Hexadecanoic acid                | 256    | C16H32O2         | 000057-10-3  | 98   |
| 2         | Tridecanoic acid                   | 214    | C13H26O2         | 000638-53-9  | 89   |
| 3         | Pentadecanoic acid                 | 242    | C15H30O2         | 001002-84-2  | 76   |
| 4         | Tetradecanoic acid                 | 228    | C14H28O2         | 000544-63-8  | 58   |
| 5         | Oxalic acid, allyl hexadecyl ester | 354    | C21H38O4         | 1000309-24-4 | 35   |



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ALS Vial : 4 Sample Multiplier: 1

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

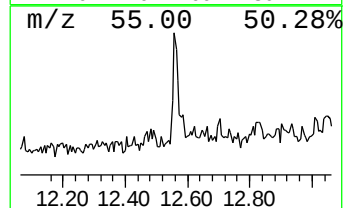
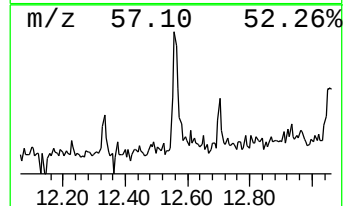
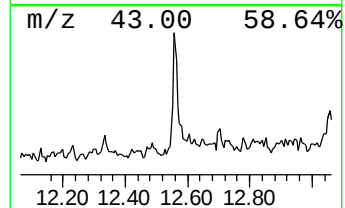
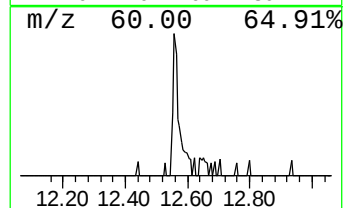
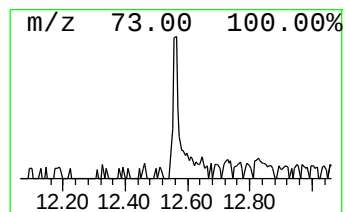
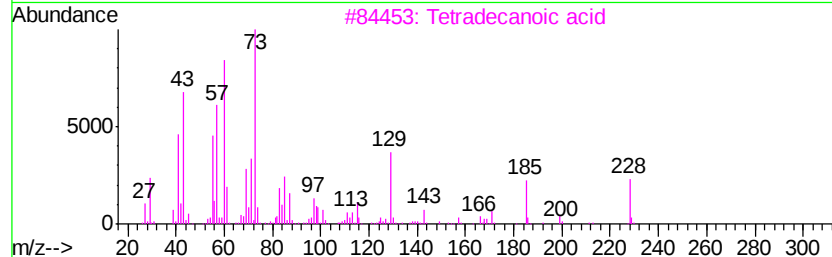
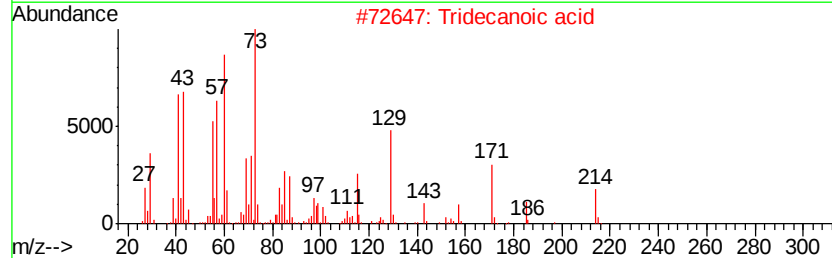
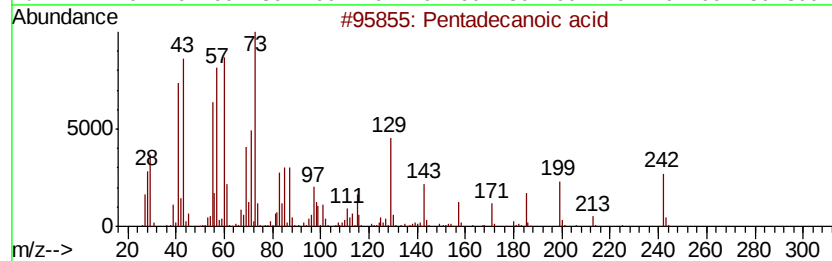
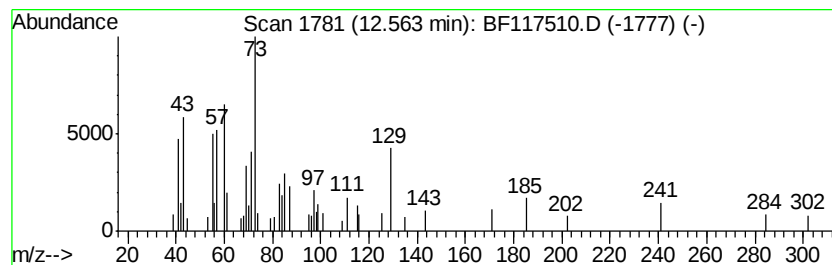
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Pentadecanoic acid Concentration Rank 10

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 12.56 | 2.49 ng | 58501 | Phenanthrene-d10 | 11.25 |

| Hit# of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|---------|---|---------------------|-----|----------|-------------|------|
| 1       |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 87   |
| 2       |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 86   |
| 3       |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 72   |
| 4       |   | n-Decanoic acid     | 172 | C10H20O2 | 000334-48-5 | 59   |
| 5       |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 58   |



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

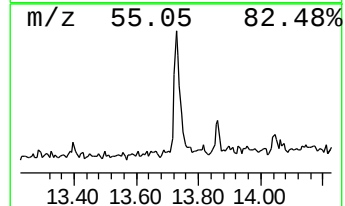
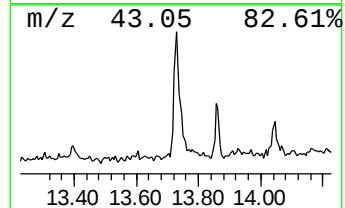
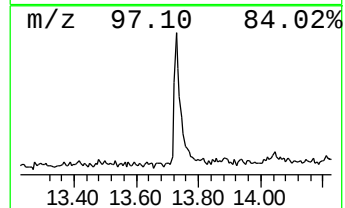
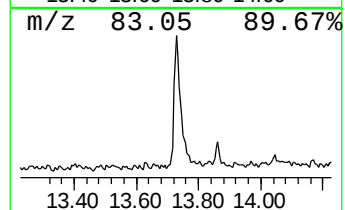
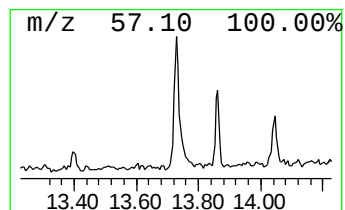
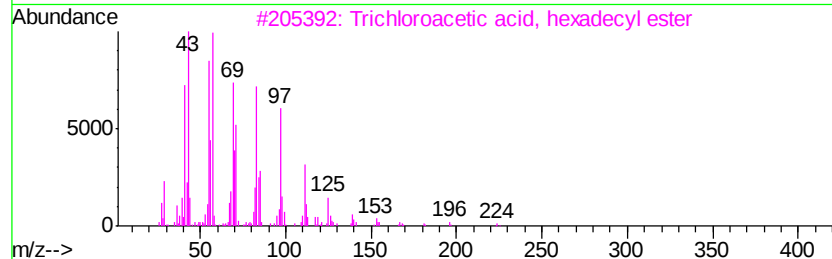
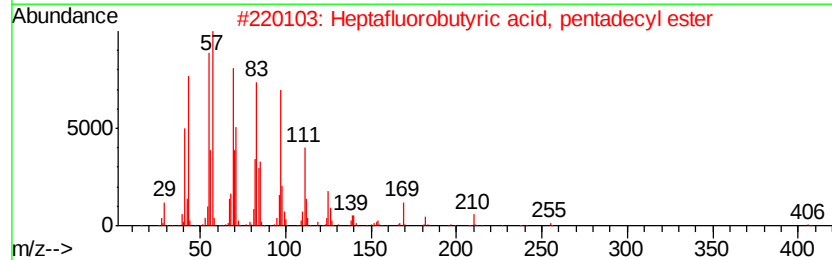
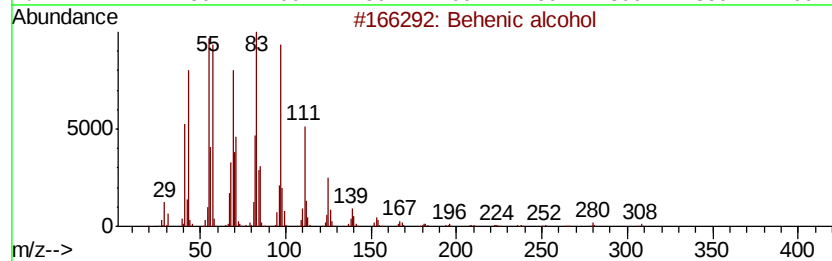
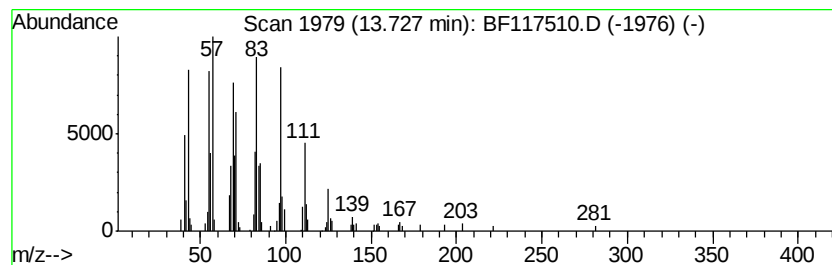
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Behenic alcohol Concentration Rank 3

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 13.73 | 9.64 ng | 165833 | Chrysene-d12     | 13.89 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm     | CAS#        | Qual |
|---------|---|-------------------------------------|-----|-------------|-------------|------|
| 1       |   | Behenic alcohol                     | 326 | C22H46O     | 000661-19-8 | 94   |
| 2       |   | Heptafluorobutyric acid, pentade... | 424 | C19H31F7O2  | 959261-23-5 | 94   |
| 3       |   | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1 | 91   |
| 4       |   | Trichloroacetic acid, tetradecyl... | 358 | C16H29Cl3O2 | 074339-52-9 | 91   |
| 5       |   | n-Tetracosanol-1                    | 354 | C24H50O     | 000506-51-4 | 91   |



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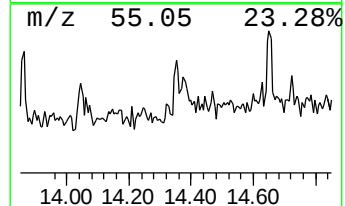
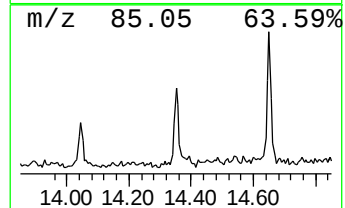
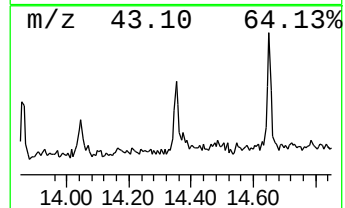
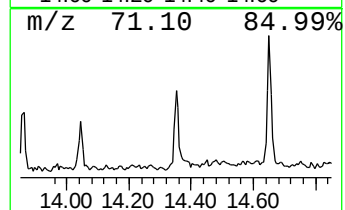
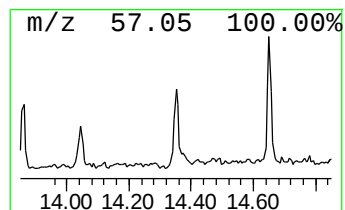
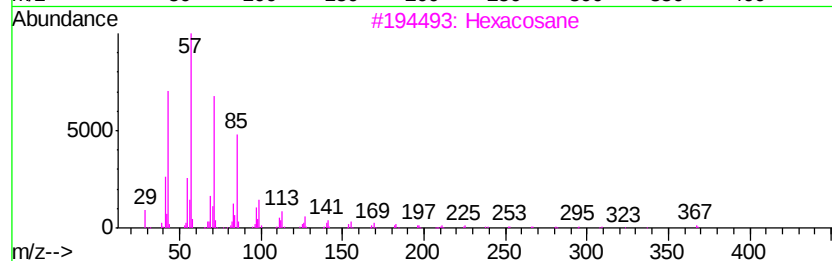
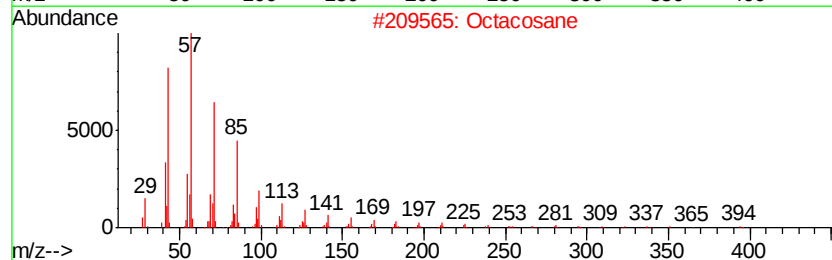
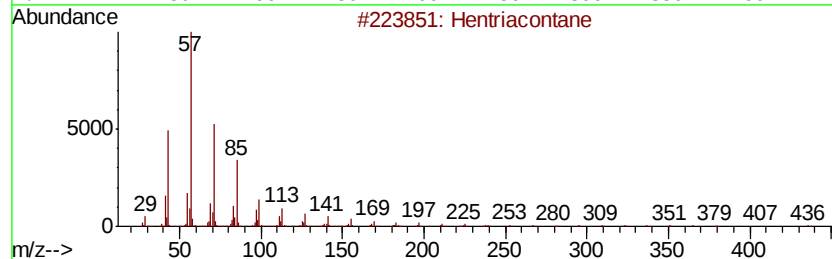
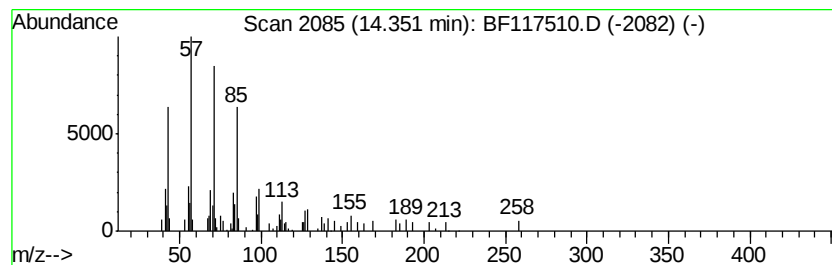
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TIC Integration Parameters: LSCINT.P

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Peak Number 6 Hentriacontane Concentration Rank 7

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 14.35 | 3.32 ng | 57096 | Chrysene-d12     | 13.89 |

| Hit# of | 5                  | Tentative ID | MW  | MolForm | CAS#         | Qual |
|---------|--------------------|--------------|-----|---------|--------------|------|
| 1       | Hentriacontane     |              | 437 | C31H64  | 000630-04-6  | 87   |
| 2       | Octacosane         |              | 394 | C28H58  | 000630-02-4  | 87   |
| 3       | Hexacosane         |              | 366 | C26H54  | 000630-01-3  | 87   |
| 4       | 2-methyloctacosane |              | 408 | C29H60  | 1000376-72-8 | 87   |
| 5       | Heptacosane        |              | 380 | C27H56  | 000593-49-7  | 86   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\  
Data File : BF117510.D  
Acq On : 24 Oct 2019 15:19  
Operator : JU  
Sample : K5498-09  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
196-58-(0-1)

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

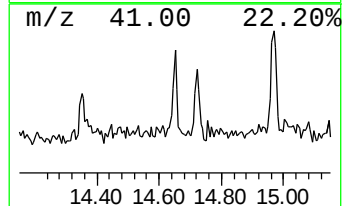
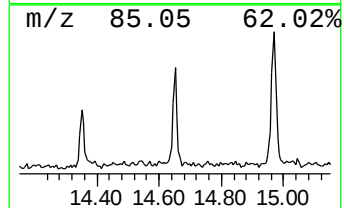
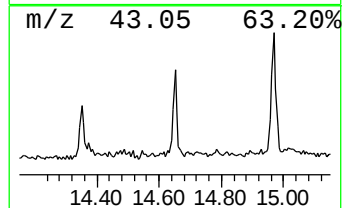
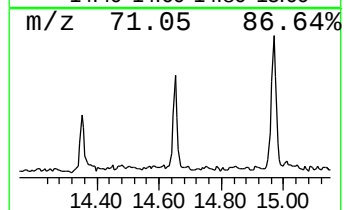
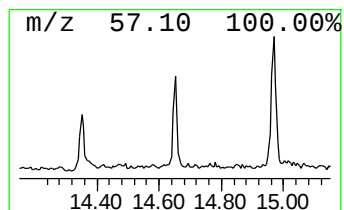
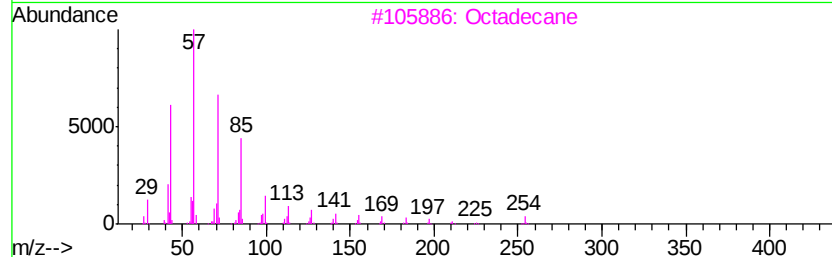
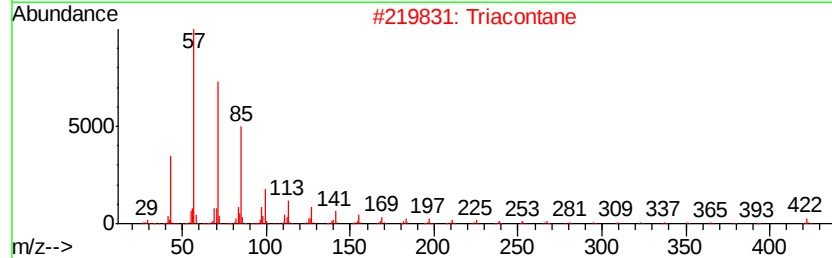
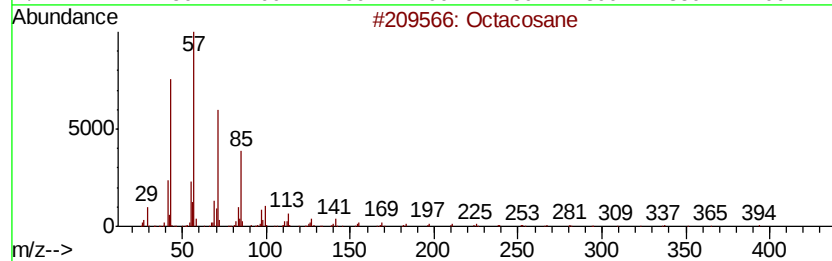
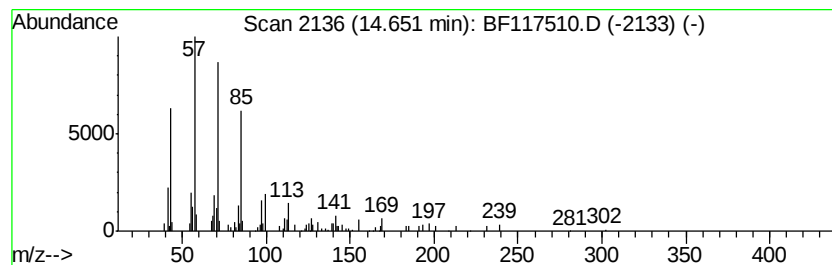
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TIC Integration Parameters: LSCINT.P

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Peak Number 7 Octacosane Concentration Rank 9

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 14.65 | 2.90 ng | 64098 | Perylene-d12     | 15.33 |

| Hit# | of | Tentative ID        | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------|-----|---------|-------------|------|
| 1    | 5  | Octacosane          | 394 | C28H58  | 000630-02-4 | 90   |
| 2    |    | triacontane         | 422 | C30H62  | 000638-68-6 | 90   |
| 3    |    | Octadecane          | 254 | C18H38  | 000593-45-3 | 90   |
| 4    |    | Hentriacontane      | 437 | C31H64  | 000630-04-6 | 86   |
| 5    |    | Octadecane, 1-iodo- | 380 | C18H37I | 000629-93-6 | 86   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\  
Data File : BF117510.D  
Acq On : 24 Oct 2019 15:19  
Operator : JU  
Sample : K5498-09  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

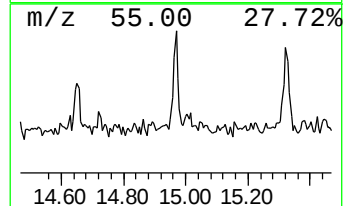
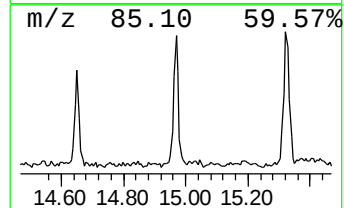
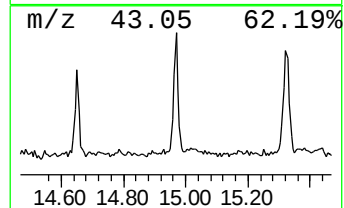
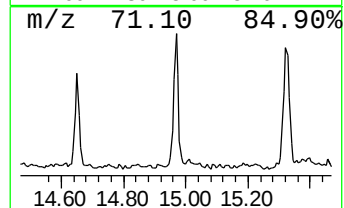
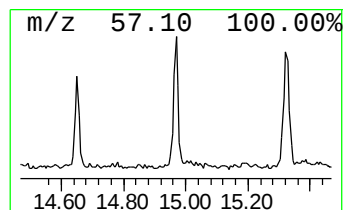
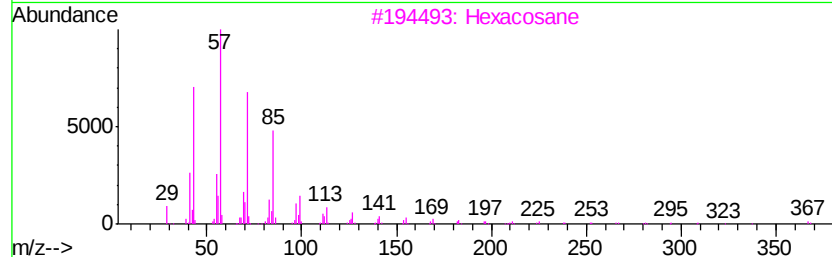
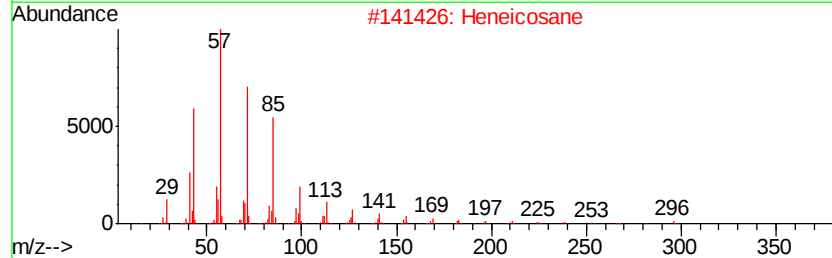
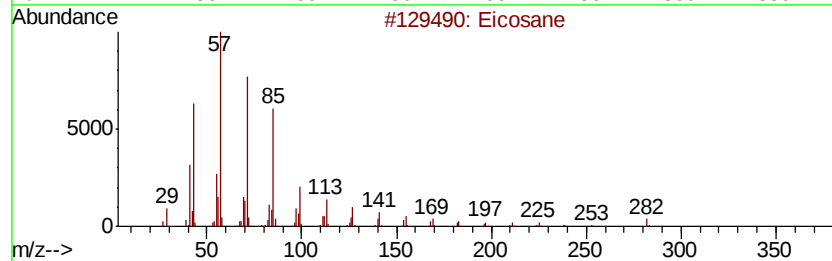
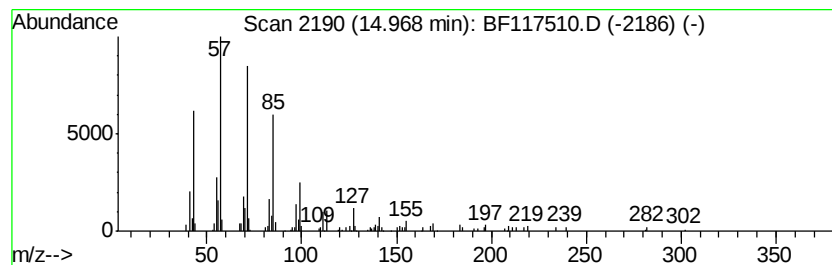
Instrument :  
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ClientSampleId :  
196-58-(0-1)

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 8 Eicosane Concentration Rank 6

| R.T.    | EstConc            | Area         | Relative to ISTD | R.T.      |
|---------|--------------------|--------------|------------------|-----------|
| 14.97   | 4.96 ng            | 109634       | Perylene-d12     | 15.33     |
| Hit# of | 5                  | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | Eicosane           | 282 C20H42   | 000112-95-8      | 95        |
| 2       | Heneicosane        | 296 C21H44   | 000629-94-7      | 91        |
| 3       | Hexacosane         | 366 C26H54   | 000630-01-3      | 90        |
| 4       | 2-methyloctacosane | 408 C29H60   | 1000376-72-8     | 90        |
| 5       | Octacosane         | 394 C28H58   | 000630-02-4      | 87        |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\  
Data File : BF117510.D  
Acq On : 24 Oct 2019 15:19  
Operator : JU  
Sample : K5498-09  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

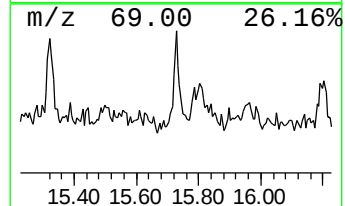
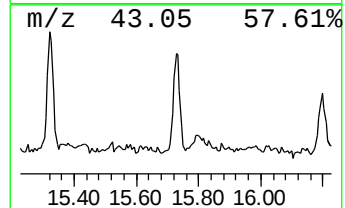
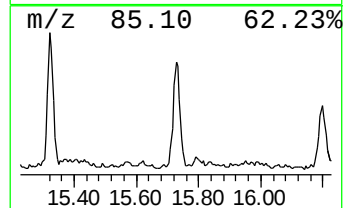
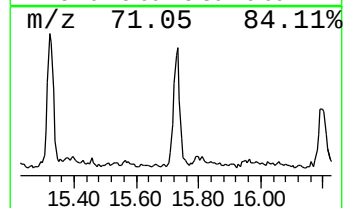
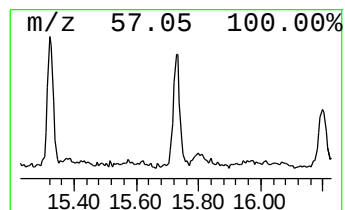
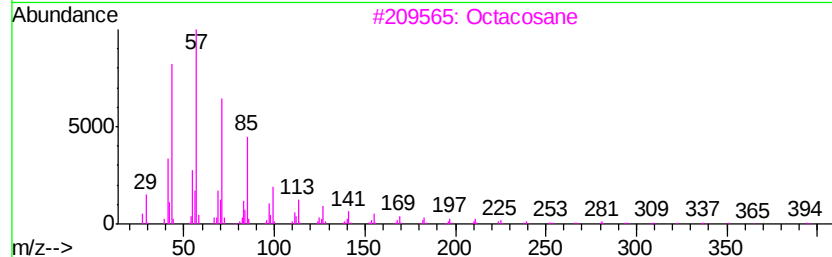
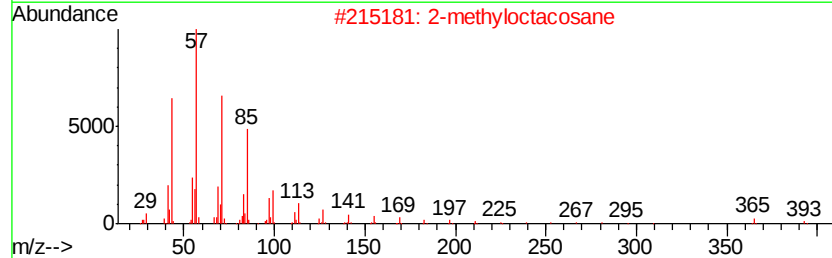
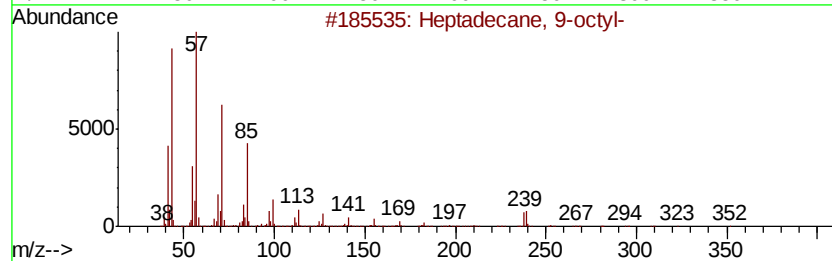
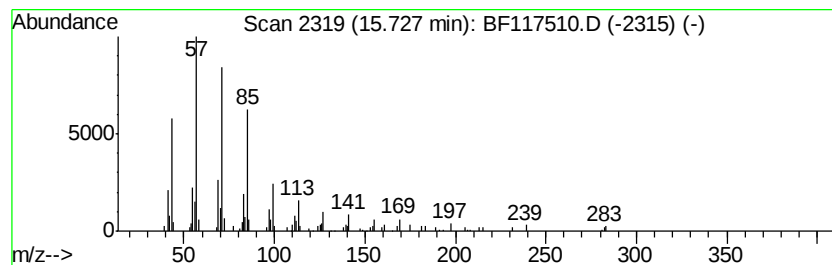
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196-58-(0-1)

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 9 Heptadecane, 9-octyl- Concentration Rank 5

| R.T.    | EstConc                       | Area         | Relative to ISTD | R.T.      |
|---------|-------------------------------|--------------|------------------|-----------|
| 15.73   | 5.46 ng                       | 120659       | Perylene-d12     | 15.33     |
| Hit# of | 5                             | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | Heptadecane, 9-octyl-         | 352 C25H52   | 007225-64-1      | 91        |
| 2       | 2-methyloctacosane            | 408 C29H60   | 1000376-72-8     | 91        |
| 3       | Octacosane                    | 394 C28H58   | 000630-02-4      | 90        |
| 4       | Heneicosane                   | 296 C21H44   | 000629-94-7      | 90        |
| 5       | Tridecanol, 2-ethyl-2-methyl- | 242 C16H34O  | 1000115-66-1     | 90        |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\  
Data File : BF117510.D  
Acq On : 24 Oct 2019 15:19  
Operator : JU  
Sample : K5498-09  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

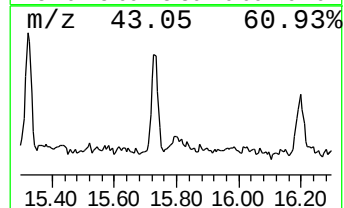
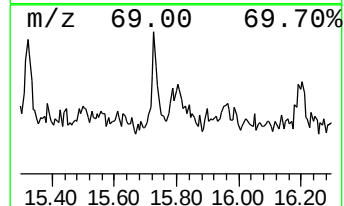
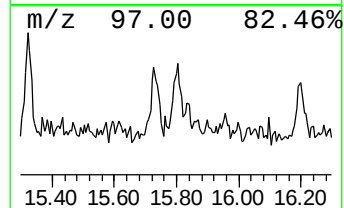
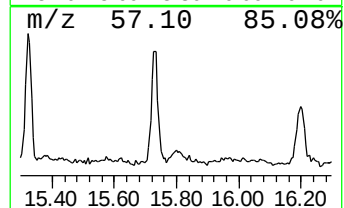
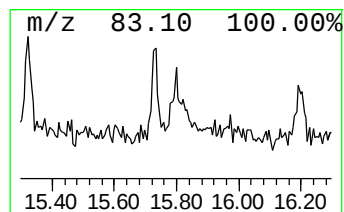
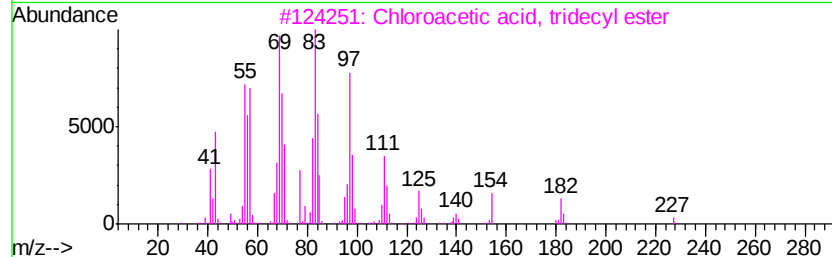
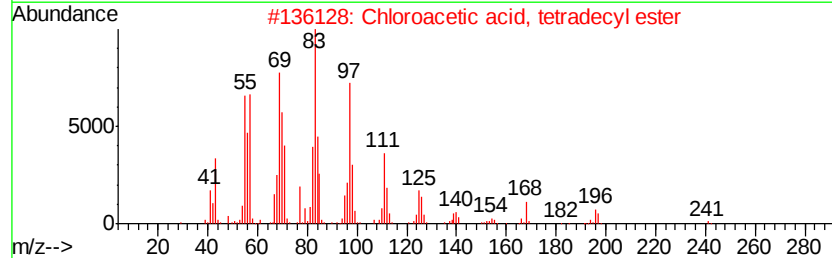
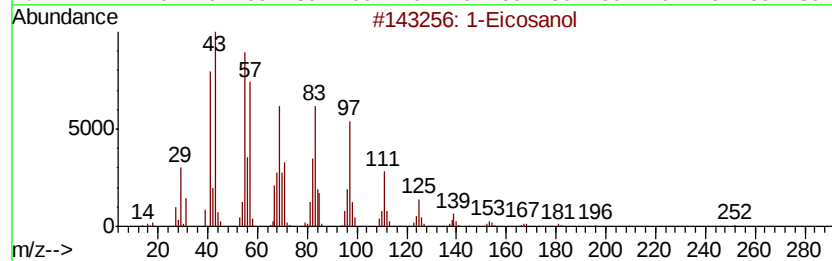
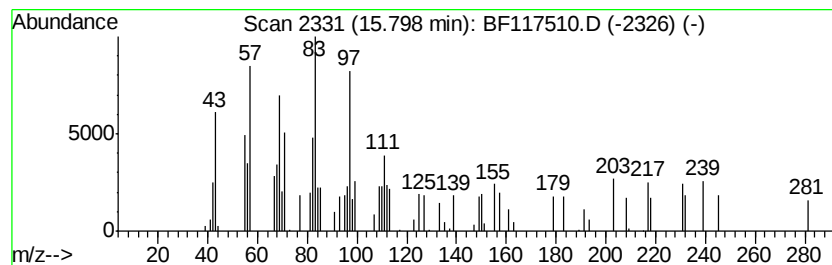
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196-58-(0-1)

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 10 1-Eicosanol Concentration Rank 12

| R.T.    | EstConc | Area                                | Relative to ISTD | R.T.       |             |      |
|---------|---------|-------------------------------------|------------------|------------|-------------|------|
| 15.80   | 2.10 ng | 46442                               | Perylene-d12     | 15.33      |             |      |
| Hit# of | 5       | Tentative ID                        | MW               | MolForm    | CAS#        | Qual |
| 1       |         | 1-Eicosanol                         | 298              | C20H42O    | 000629-96-9 | 64   |
| 2       |         | Chloroacetic acid, tetradecyl ester | 290              | C16H31ClO2 | 018277-86-6 | 52   |
| 3       |         | Chloroacetic acid, tridecyl ester   | 276              | C15H29ClO2 | 018277-85-5 | 52   |
| 4       |         | n-Nonadecanol-1                     | 284              | C19H40O    | 001454-84-8 | 50   |
| 5       |         | Bromoacetic acid, octadecyl ester   | 390              | C20H39BrO2 | 018992-03-5 | 50   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\  
Data File : BF117510.D  
Acq On : 24 Oct 2019 15:19  
Operator : JU  
Sample : K5498-09  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
196-58-(0-1)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

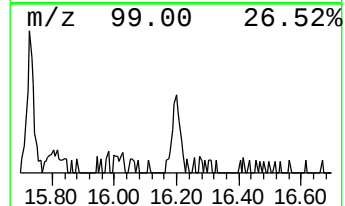
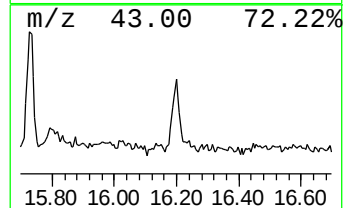
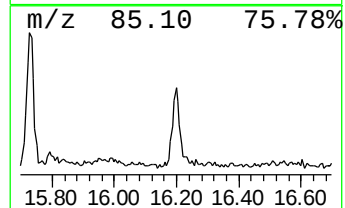
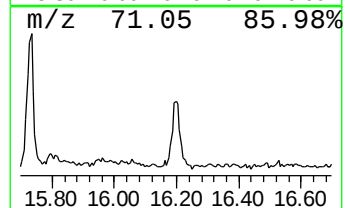
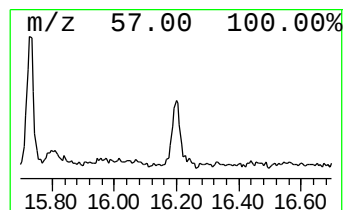
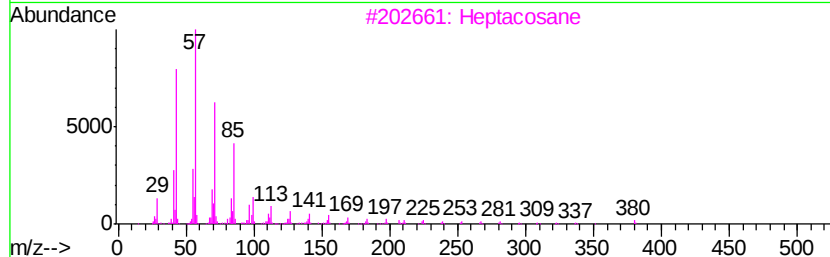
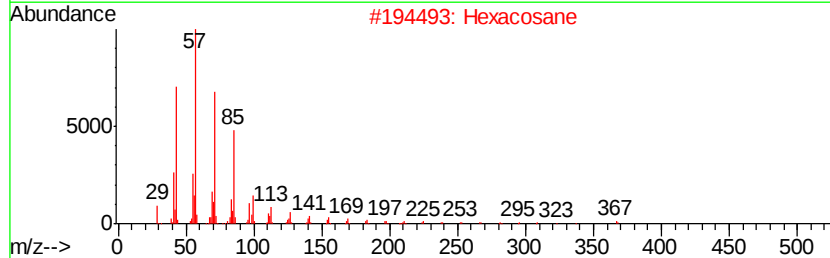
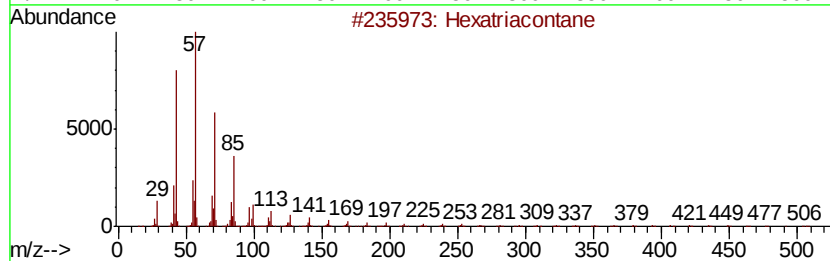
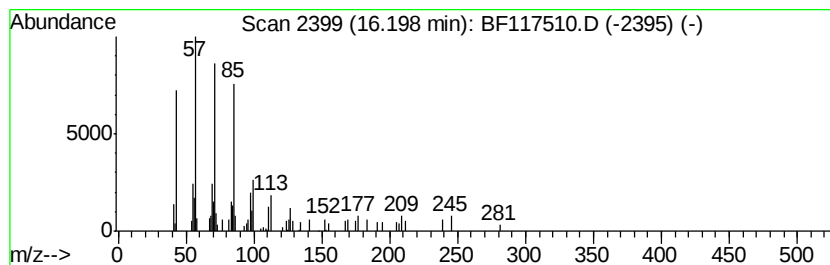
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TIC Integration Parameters: LSCINT.P

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Peak Number 11 Hexatriacontane Concentration Rank 8

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 16.20 | 2.98 ng | 65862 | Perylene-d12     | 15.33 |

| Hit# | of | Tentative ID        | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------|-----|---------|-------------|------|
| 1    | 5  | Hexatriacontane     | 507 | C36H74  | 000630-06-8 | 90   |
| 2    |    | Hexacosane          | 366 | C26H54  | 000630-01-3 | 90   |
| 3    |    | Heptacosane         | 380 | C27H56  | 000593-49-7 | 90   |
| 4    |    | Hentriacontane      | 437 | C31H64  | 000630-04-6 | 87   |
| 5    |    | 10-Methylnonadecane | 282 | C20H42  | 056862-62-5 | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\  
Data File : BF117510.D  
Acq On : 24 Oct 2019 15:19  
Operator : JU  
Sample : K5498-09  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
196-58-(0-1)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

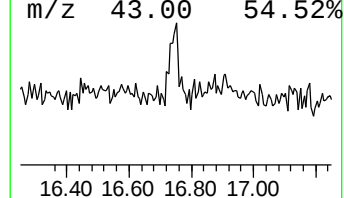
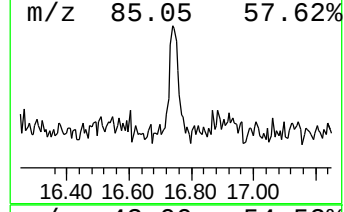
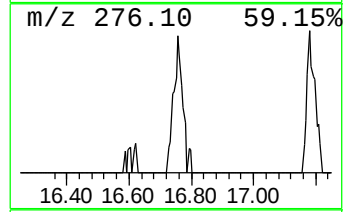
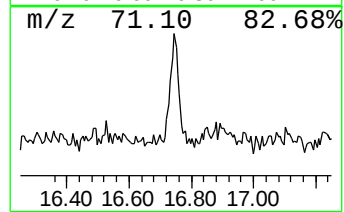
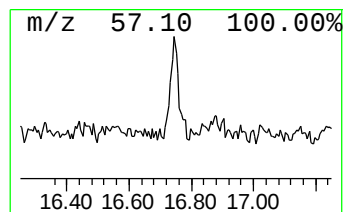
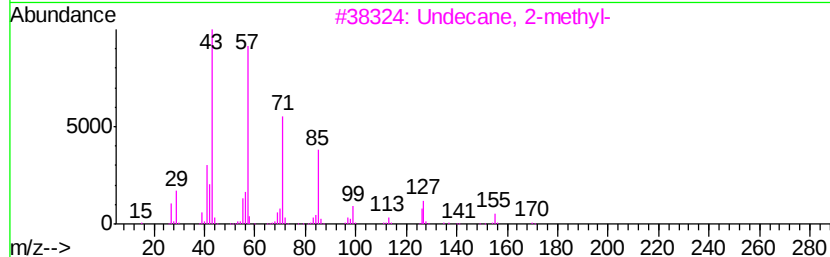
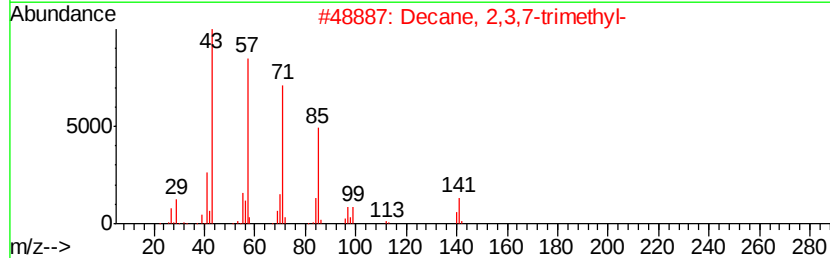
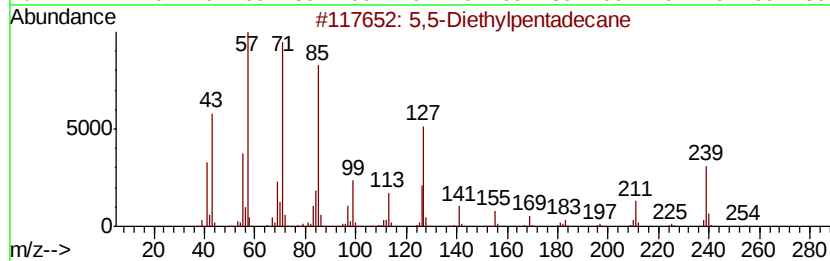
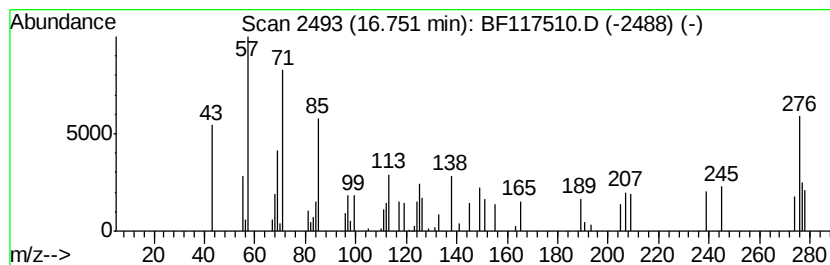
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 12 unknown16.75 Concentration Rank 11

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 16.75 | 2.23 ng | 49342 | Perylene-d12     | 15.33 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm     | CAS#         | Qual |
|------|----|---|-----------------------------|-----|-------------|--------------|------|
| 1    |    |   | 5,5-Diethylpentadecane      | 268 | C19H40      | 1000360-41-0 | 35   |
| 2    |    |   | Decane, 2,3,7-trimethyl-    | 184 | C13H28      | 062238-13-5  | 27   |
| 3    |    |   | Undecane, 2-methyl-         | 170 | C12H26      | 007045-71-8  | 27   |
| 4    |    |   | Silane, trichlorooctadecyl- | 386 | C18H37Cl3Si | 000112-04-9  | 27   |
| 5    |    |   | Undecane, 2,3-dimethyl-     | 184 | C13H28      | 017312-77-5  | 27   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF102419\  
Data File : BF117510.D  
Acq On : 24 Oct 2019 15:19  
Operator : JU  
Sample : K5498-09  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
196-58-(0-1)

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  | 69.8    | ng    | 1038250  | 1                     | 6.73  | 297337 | 20.0 |
| n-Hexadecanoic acid  | 11.78 | 6.0     | ng    | 142351   | 4                     | 11.25 | 470466 | 20.0 |
| Pentadecanoic acid   | 12.56 | 2.5     | ng    | 58501    | 4                     | 11.25 | 470466 | 20.0 |
| Behenic alcohol      | 13.73 | 9.6     | ng    | 165833   | 5                     | 13.89 | 343879 | 20.0 |
| Hentriacontane       | 14.35 | 3.3     | ng    | 57096    | 5                     | 13.89 | 343879 | 20.0 |
| Octacosane           | 14.65 | 2.9     | ng    | 64098    | 6                     | 15.33 | 442209 | 20.0 |
| Eicosane             | 14.97 | 5.0     | ng    | 109634   | 6                     | 15.33 | 442209 | 20.0 |
| Heptadecane, 9-oc... | 15.73 | 5.5     | ng    | 120659   | 6                     | 15.33 | 442209 | 20.0 |
| 1-Eicosanol          | 15.80 | 2.1     | ng    | 46442    | 6                     | 15.33 | 442209 | 20.0 |
| Hexatriacontane      | 16.20 | 3.0     | ng    | 65862    | 6                     | 15.33 | 442209 | 20.0 |
| unknown16.75         | 16.75 | 2.2     | ng    | 49342    | 6                     | 15.33 | 442209 | 20.0 |