

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021020\  
 Data File : BG044377.D  
 Acq On : 11 Feb 2020 6:29  
 Operator : CG/JU  
 Sample : L1449-01  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 S-1-BY-TANK-WEST

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\_G\METHODS\8270-BG013020.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         | 5.481       | 399           | 407         | 422          | rBV      | 966455         | 1590930       | 36.61%          | 6.604%        |
| 2         | 7.073       | 670           | 678         | 698          | rBV      | 994557         | 1750095       | 40.27%          | 7.265%        |
| 3         | 7.901       | 812           | 819         | 827          | rVB      | 227330         | 384734        | 8.85%           | 1.597%        |
| 4         | 8.225       | 866           | 874         | 883          | rBV      | 774160         | 1348272       | 31.02%          | 5.597%        |
| 5         | 9.059       | 1007          | 1016        | 1034         | rBV      | 597539         | 1105925       | 25.45%          | 4.591%        |
| 6         | 10.704      | 1288          | 1296        | 1312         | rBV      | 312365         | 589321        | 13.56%          | 2.446%        |
| 7         | 13.166      | 1707          | 1715        | 1730         | rBV      | 1660571        | 2752132       | 63.33%          | 11.424%       |
| 8         | 13.994      | 1849          | 1856        | 1866         | rBV      | 72133          | 121947        | 2.81%           | 0.506%        |
| 9         | 14.541      | 1942          | 1949        | 1959         | rBV2     | 587261         | 917210        | 21.10%          | 3.807%        |
| 10        | 16.027      | 2195          | 2202        | 2216         | rBV      | 1429623        | 2271236       | 52.26%          | 9.428%        |
| 11        | 17.285      | 2410          | 2416        | 2421         | rBV      | 777959         | 1196967       | 27.54%          | 4.969%        |
| 12        | 17.326      | 2421          | 2423        | 2430         | rVV      | 73515          | 96261         | 2.21%           | 0.400%        |
| 13        | 19.335      | 2760          | 2765        | 2772         | rVB      | 246164         | 355007        | 8.17%           | 1.474%        |
| 14        | 19.699      | 2822          | 2827        | 2836         | rVB      | 212188         | 316953        | 7.29%           | 1.316%        |
| 15        | 19.899      | 2855          | 2861        | 2873         | rVB      | 3126935        | 4345986       | 100.00%         | 18.041%       |
| 16        | 20.352      | 2932          | 2938        | 2943         | rVB3     | 29951          | 52592         | 1.21%           | 0.218%        |
| 17        | 20.939      | 3034          | 3038        | 3046         | rVB      | 37481          | 61630         | 1.42%           | 0.256%        |
| 18        | 21.115      | 3062          | 3068        | 3072         | rBV2     | 25281          | 58435         | 1.34%           | 0.243%        |
| 19        | 21.198      | 3078          | 3082        | 3090         | rBV4     | 199111         | 328697        | 7.56%           | 1.364%        |
| 20        | 21.268      | 3090          | 3094        | 3098         | rVB      | 40584          | 64835         | 1.49%           | 0.269%        |
| 21        | 21.527      | 3130          | 3138        | 3143         | rBV2     | 858517         | 1572894       | 36.19%          | 6.529%        |
| 22        | 21.574      | 3143          | 3146        | 3159         | rVB      | 126239         | 224778        | 5.17%           | 0.933%        |
| 23        | 22.238      | 3255          | 3259        | 3265         | rVB3     | 28297          | 47788         | 1.10%           | 0.198%        |
| 24        | 22.320      | 3267          | 3273        | 3281         | rVV8     | 27616          | 65688         | 1.51%           | 0.273%        |
| 25        | 22.990      | 3382          | 3387        | 3394         | rVB2     | 33115          | 63721         | 1.47%           | 0.265%        |
| 26        | 23.642      | 3490          | 3498        | 3506         | rBV3     | 85669          | 313333        | 7.21%           | 1.301%        |
| 27        | 23.759      | 3513          | 3518        | 3524         | rVB      | 37944          | 67704         | 1.56%           | 0.281%        |
| 28        | 24.329      | 3607          | 3615        | 3626         | rVB3     | 54733          | 161307        | 3.71%           | 0.670%        |
| 29        | 24.464      | 3630          | 3638        | 3650         | rVB2     | 76774          | 219902        | 5.06%           | 0.913%        |
| 30        | 24.611      | 3653          | 3663        | 3671         | rBV      | 477117         | 1340869       | 30.85%          | 5.566%        |
| 31        | 25.739      | 3848          | 3855        | 3864         | rBV4     | 24124          | 68433         | 1.57%           | 0.284%        |
| 32        | 28.101      | 4245          | 4257        | 4272         | rBV5     | 31801          | 142697        | 3.28%           | 0.592%        |
| 33        | 29.165      | 4432          | 4438        | 4451         | rVB4     | 22959          | 91512         | 2.11%           | 0.380%        |

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ClientSampleId :  
S-1-BY-TANK-WEST

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\_G\METHODS\8270-BG013020.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

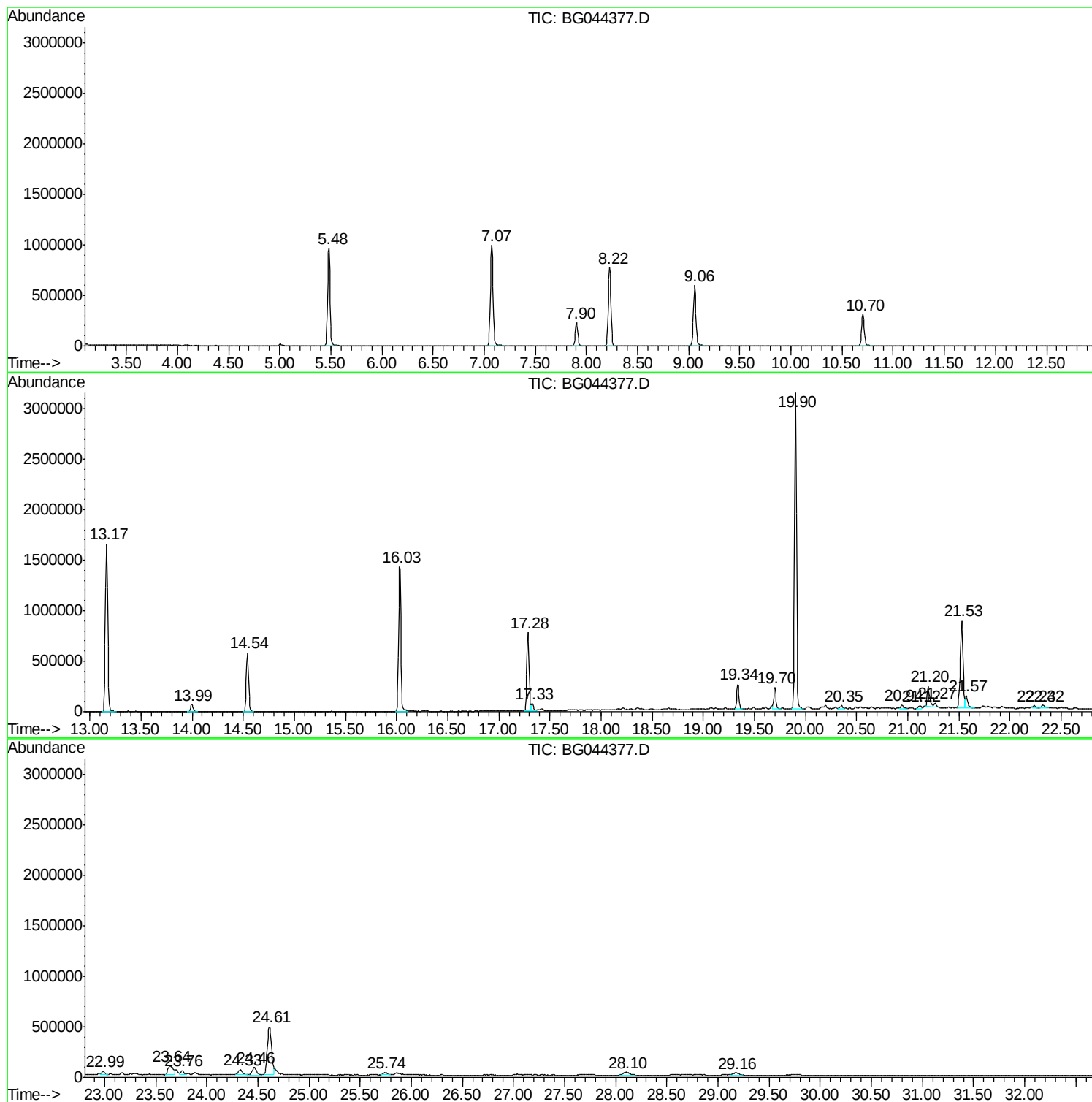
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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Misc :  
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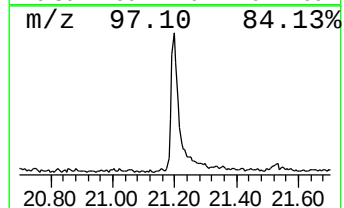
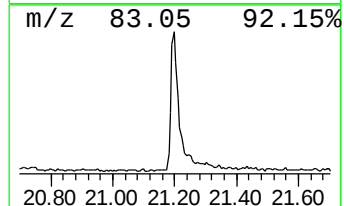
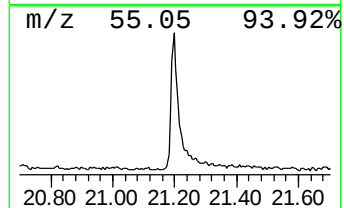
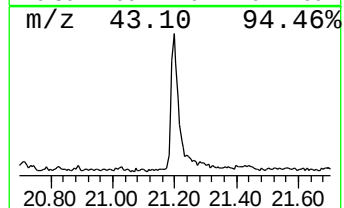
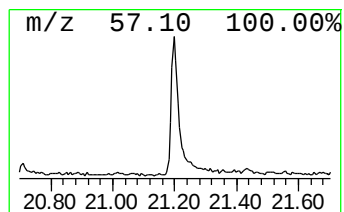
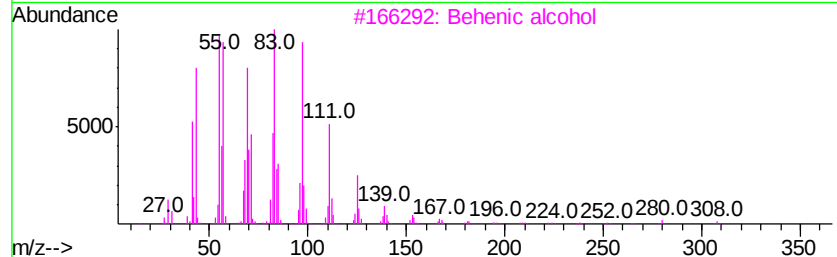
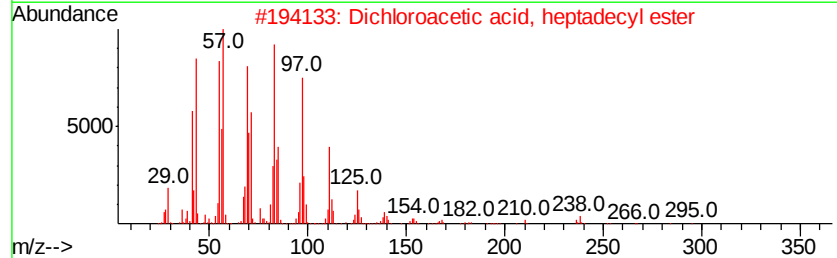
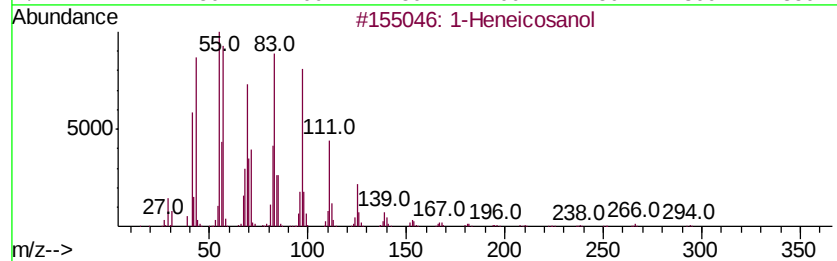
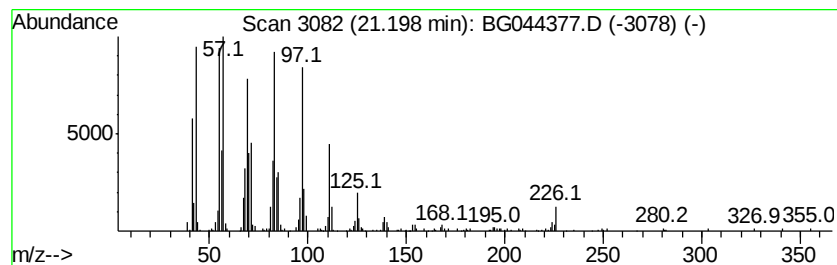
Instrument :  
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ClientSampleId :  
S-1-BY-TANK-WEST

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.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 1-Heneicosanol Concentration Rank 2

| R.T.    | EstConc | Area                                | Relative to ISTD | R.T.        |              |      |
|---------|---------|-------------------------------------|------------------|-------------|--------------|------|
| 21.20   | 4.18 ng | 328697                              | Chrysene-d12     | 21.53       |              |      |
| Hit# of | 5       | Tentative ID                        | MW               | MolForm     | CAS#         | Qual |
| 1       |         | 1-Heneicosanol                      | 312              | C21H44O     | 015594-90-8  | 95   |
| 2       |         | Dichloroacetic acid, heptadecyl ... | 366              | C19H36Cl2O2 | 1000282-98-2 | 95   |
| 3       |         | Behenic alcohol                     | 326              | C22H46O     | 000661-19-8  | 95   |
| 4       |         | 3-Eicosene, (E)-                    | 280              | C20H40      | 074685-33-9  | 95   |
| 5       |         | n-Nonadecanol-1                     | 284              | C19H40O     | 001454-84-8  | 95   |



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ALS Vial : 21 Sample Multiplier: 1

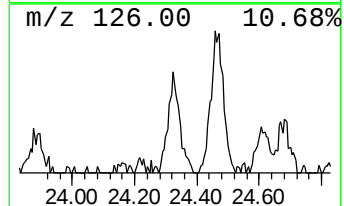
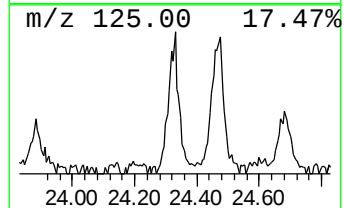
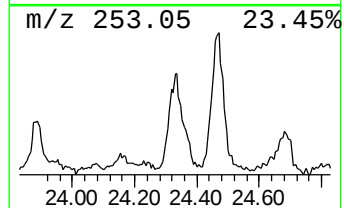
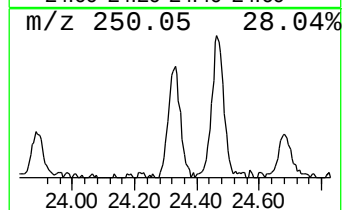
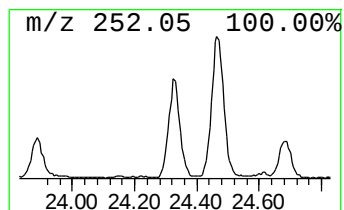
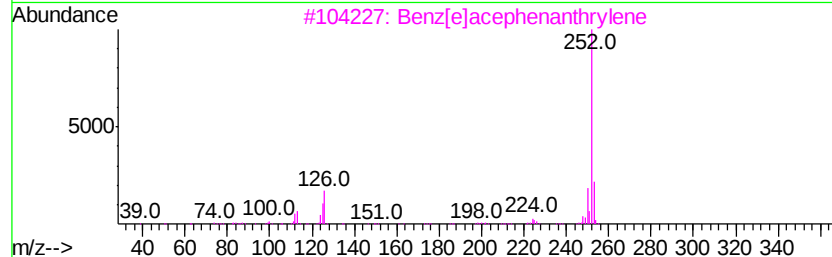
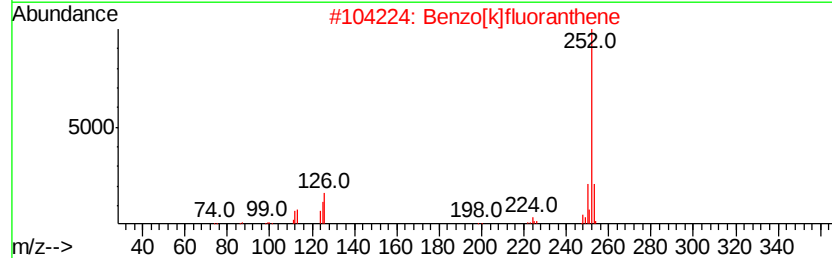
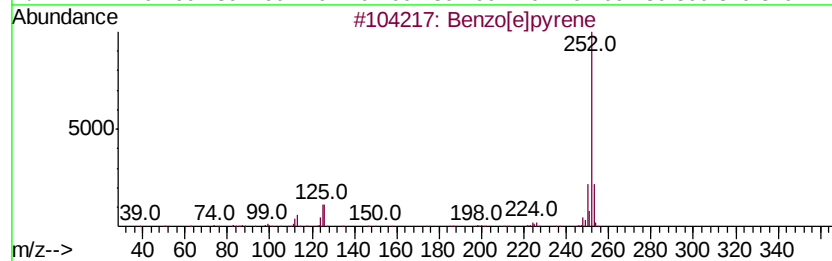
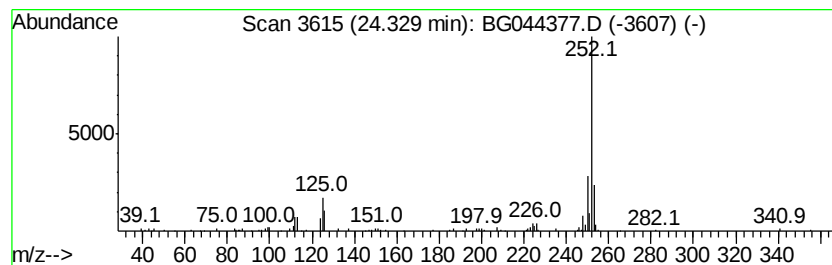
Instrument :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M  
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TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Benzo[e]pyrene Concentration Rank 3

| R.T.    | EstConc                   | Area         | Relative to ISTD | R.T.      |
|---------|---------------------------|--------------|------------------|-----------|
| 24.33   | 2.41 ng                   | 161307       | Perylene-d12     | 24.61     |
| Hit# of | 5                         | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | Benzo[e]pyrene            | 252 C20H12   | 000192-97-2      | 96        |
| 2       | Benzo[k]fluoranthene      | 252 C20H12   | 000207-08-9      | 95        |
| 3       | Benzo[e]acephenanthrylene | 252 C20H12   | 000205-99-2      | 93        |
| 4       | Benzo[a]pyrene            | 252 C20H12   | 000050-32-8      | 90        |
| 5       | Perylene                  | 252 C20H12   | 000198-55-0      | 89        |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M  
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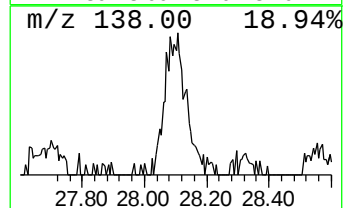
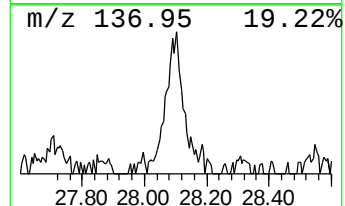
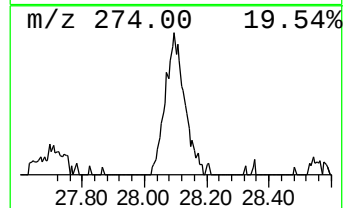
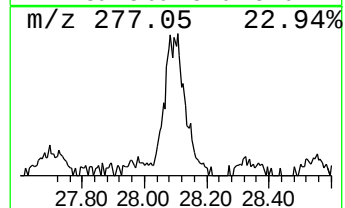
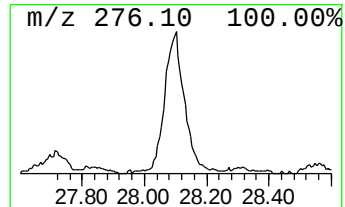
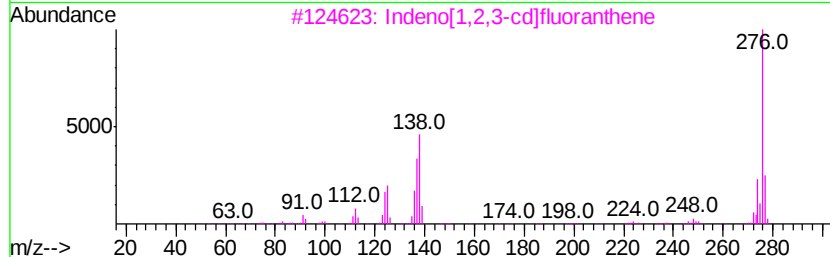
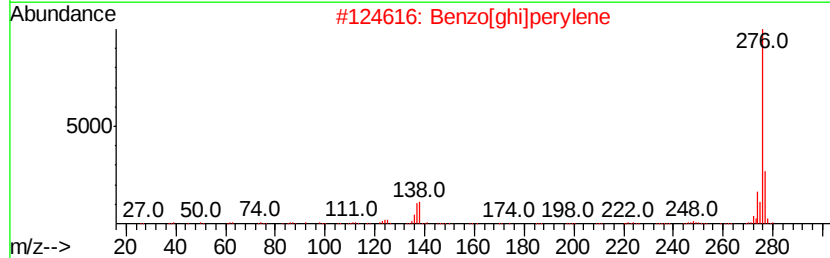
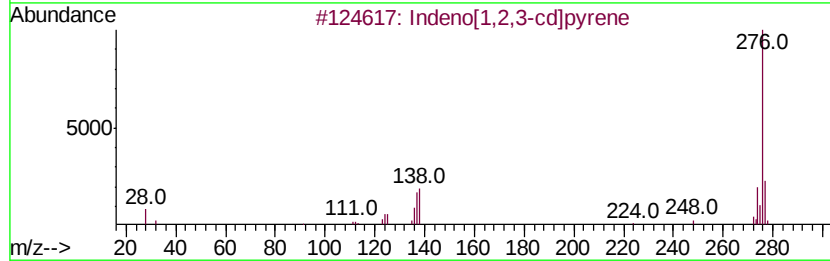
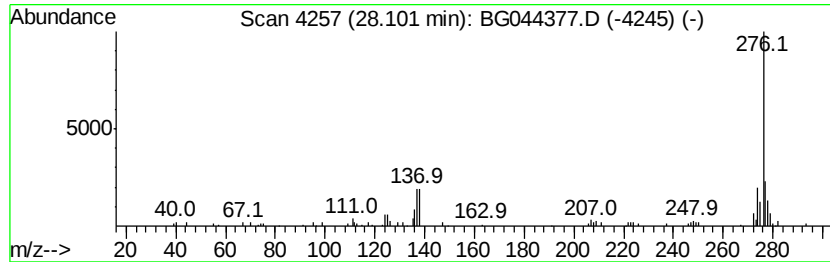
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Indeno[1,2,3-cd]fluoranthene Concentration Rank 4

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 28.10 | 2.13 ng | 142697 | Perylene-d12     | 24.61 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|-------------------------------------|-----|-----------|-------------|------|
| 1    | 5  | Indeno[1,2,3-cd]pyrene              | 276 | C22H12    | 000193-39-5 | 98   |
| 2    |    | Benzo[ghi]perylene                  | 276 | C22H12    | 000191-24-2 | 94   |
| 3    |    | Indeno[1,2,3-cd]fluoranthene        | 276 | C22H12    | 000193-43-1 | 76   |
| 4    |    | Dibenzo[def,mno]chrysene            | 276 | C22H12    | 000191-26-4 | 68   |
| 5    |    | 2-Amino-3-cyano-4,5-diphenylthio... | 276 | C17H12N2S | 042160-34-9 | 53   |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG013020.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 |
| 1-Heneicosanol       | 21.20 | 4.2     | ng    | 328697   | 5                     | 21.53 | 1572890 | 20.0 |
| Benzo[e]pyrene       | 24.33 | 2.4     | ng    | 161307   | 6                     | 24.61 | 1340870 | 20.0 |
| Indeno[1,2,3-cd]f... | 28.10 | 2.1     | ng    | 142697   | 6                     | 24.61 | 1340870 | 20.0 |