

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_P\DATA\BP061720\  
 Data File : BP002422.D  
 Acq On : 17 Jun 2020 16:53  
 Operator : CG/JU  
 Sample : L3020-07  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 MW-25(19-21)

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\_P\METHODS\8270-BP060520.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         | 5.205       | 387           | 394         | 412          | rBV      | 1501963        | 2220101       | 37.27%          | 6.267%        |
| 2         | 6.775       | 653           | 661         | 680          | rBV      | 1478692        | 2409914       | 40.46%          | 6.803%        |
| 3         | 7.205       | 730           | 734         | 744          | rBV      | 39454          | 83197         | 1.40%           | 0.235%        |
| 4         | 7.587       | 792           | 799         | 809          | rBV      | 526437         | 815425        | 13.69%          | 2.302%        |
| 5         | 7.905       | 845           | 853         | 873          | rBV      | 1309938        | 2097535       | 35.22%          | 5.921%        |
| 6         | 8.728       | 984           | 993         | 1007         | rBV      | 977209         | 1656864       | 27.82%          | 4.677%        |
| 7         | 10.358      | 1263          | 1270        | 1290         | rBV      | 643226         | 1152723       | 19.35%          | 3.254%        |
| 8         | 12.852      | 1686          | 1694        | 1724         | rBV      | 2555501        | 3913671       | 65.71%          | 11.048%       |
| 9         | 13.699      | 1829          | 1838        | 1859         | rBV      | 331462         | 510331        | 8.57%           | 1.441%        |
| 10        | 14.234      | 1922          | 1929        | 1943         | rBV      | 1061407        | 1577408       | 26.48%          | 4.453%        |
| 11        | 15.734      | 2175          | 2184        | 2207         | rBV      | 1817301        | 2798387       | 46.98%          | 7.900%        |
| 12        | 16.992      | 2388          | 2398        | 2411         | rBV      | 1340735        | 1958446       | 32.88%          | 5.529%        |
| 13        | 17.922      | 2552          | 2556        | 2563         | rBV      | 47980          | 70806         | 1.19%           | 0.200%        |
| 14        | 19.581      | 2832          | 2838        | 2852         | rBV      | 4800353        | 5956291       | 100.00%         | 16.815%       |
| 15        | 20.398      | 2974          | 2977        | 2981         | rVB      | 68980          | 67420         | 1.13%           | 0.190%        |
| 16        | 20.851      | 3049          | 3054        | 3059         | rBV      | 177950         | 240518        | 4.04%           | 0.679%        |
| 17        | 21.092      | 3090          | 3095        | 3106         | rBV2     | 1826006        | 2321162       | 38.97%          | 6.553%        |
| 18        | 21.280      | 3123          | 3127        | 3134         | rBV      | 201915         | 217132        | 3.65%           | 0.613%        |
| 19        | 21.710      | 3196          | 3200        | 3207         | rBV      | 257170         | 319567        | 5.37%           | 0.902%        |
| 20        | 22.151      | 3270          | 3275        | 3288         | rBV3     | 666982         | 1437865       | 24.14%          | 4.059%        |
| 21        | 22.675      | 3359          | 3364        | 3373         | rBV      | 280871         | 412104        | 6.92%           | 1.163%        |
| 22        | 23.239      | 3455          | 3460        | 3463         | rBV      | 219581         | 361837        | 6.07%           | 1.021%        |
| 23        | 23.292      | 3463          | 3469        | 3483         | rVB      | 1286744        | 2402039       | 40.33%          | 6.781%        |
| 24        | 23.886      | 3564          | 3570        | 3577         | rBV2     | 146806         | 277167        | 4.65%           | 0.782%        |
| 25        | 24.627      | 3692          | 3696        | 3704         | rVB2     | 67473          | 144955        | 2.43%           | 0.409%        |

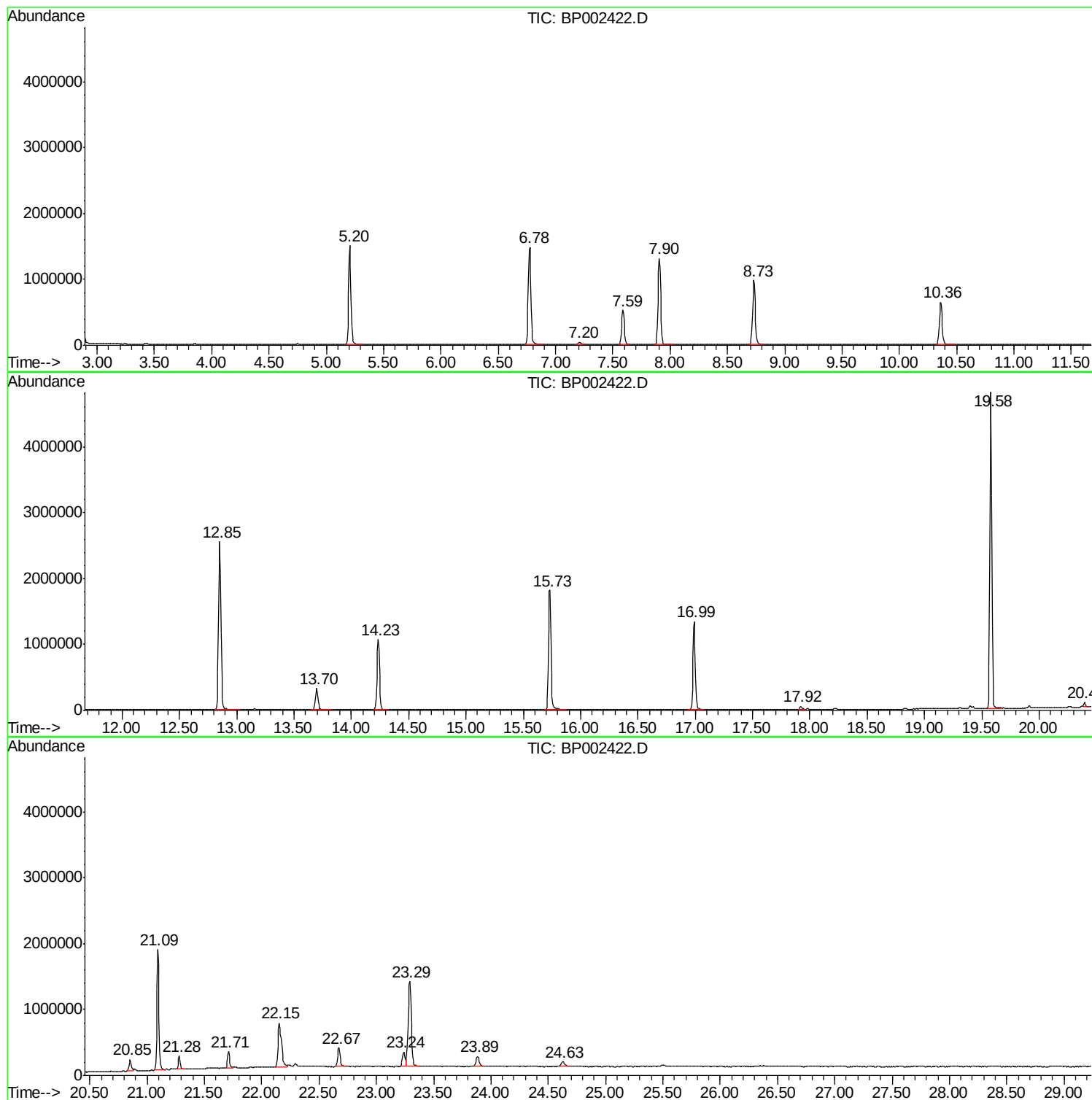
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Instrument :  
BNA\_P  
ClientSampleId :  
MW-25(19-21)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP060520.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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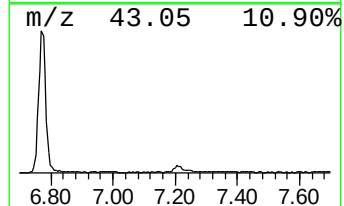
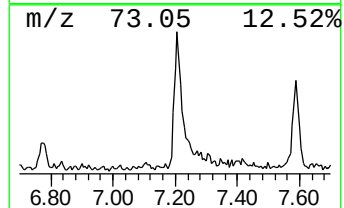
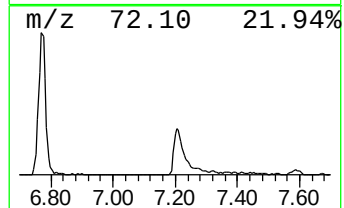
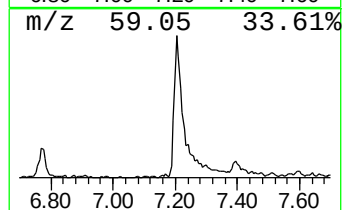
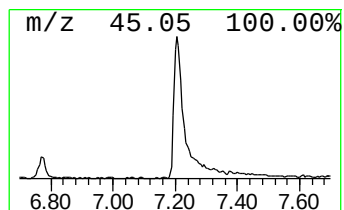
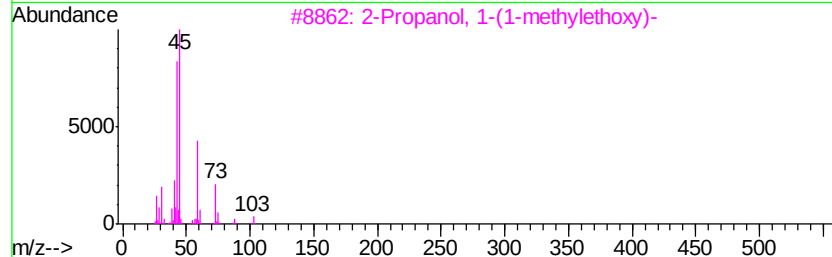
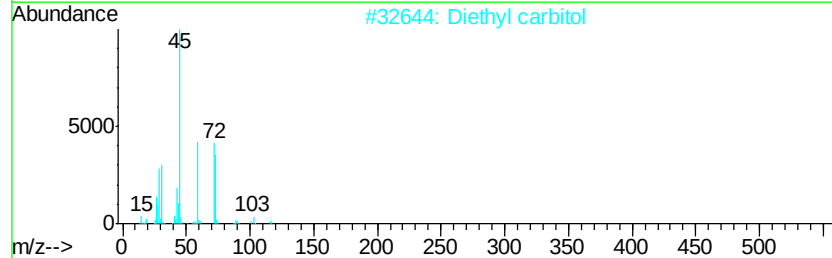
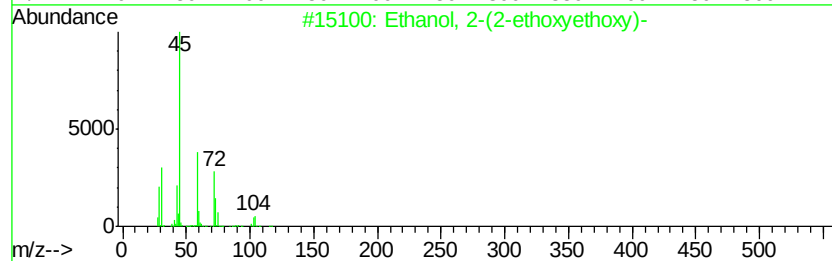
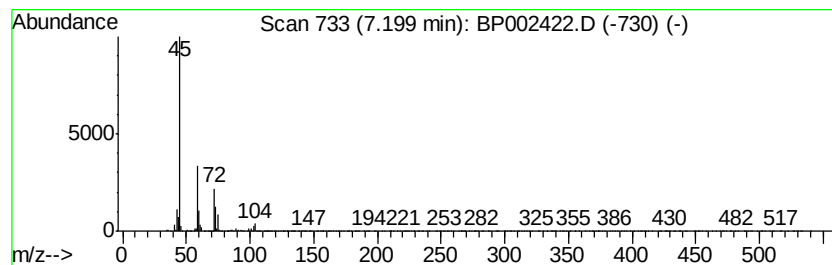
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Ethanol, 2-(2-ethoxyethoxy)- Concentration Rank 8

| R.T. | EstConc | Area  | Relative to ISTD       | R.T. |
|------|---------|-------|------------------------|------|
| 7.20 | 2.04 ng | 83197 | 1,4-Dichlorobenzene-d4 | 7.59 |

| Hit# | of | Tentative ID                    | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------------|-----|---------|-------------|------|
| 1    | 5  | Ethanol, 2-(2-ethoxyethoxy)-    | 134 | C6H14O3 | 000111-90-0 | 90   |
| 2    |    | Diethyl carbitol                | 162 | C8H18O3 | 000112-36-7 | 78   |
| 3    |    | 2-Propanol, 1-(1-methylethoxy)- | 118 | C6H14O2 | 003944-36-3 | 50   |
| 4    |    | Ethanol, 2-(2-methoxyethoxy)-   | 120 | C5H12O3 | 000111-77-3 | 45   |
| 5    |    | Carbonic acid, dimethyl ester   | 90  | C3H6O3  | 000616-38-6 | 36   |



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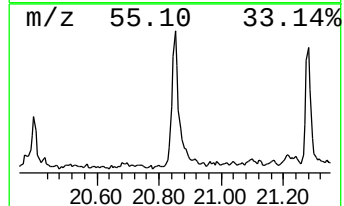
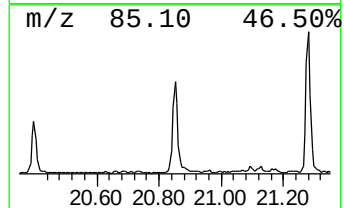
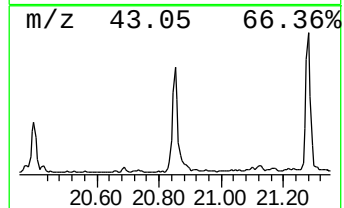
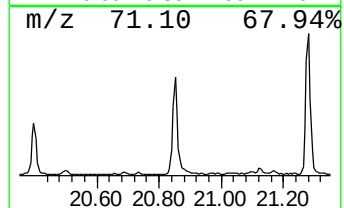
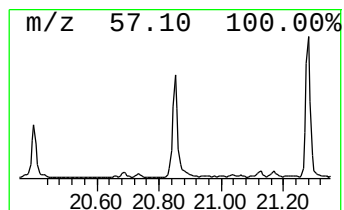
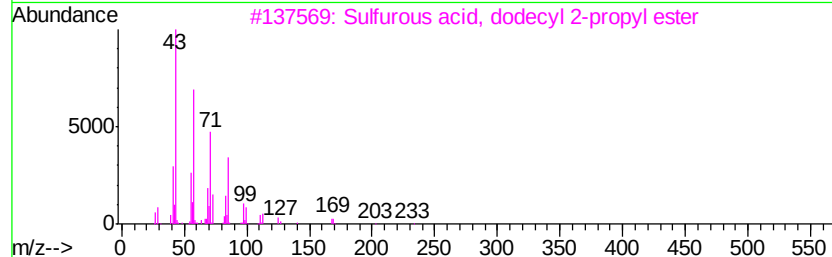
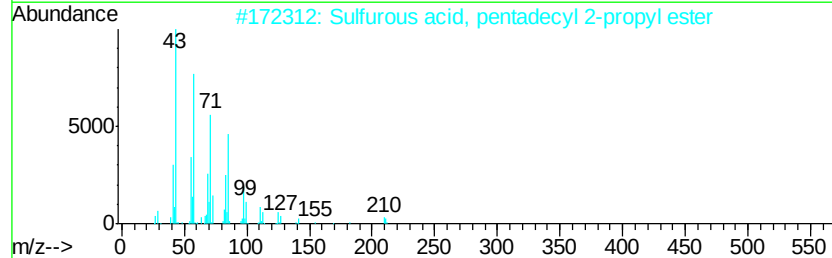
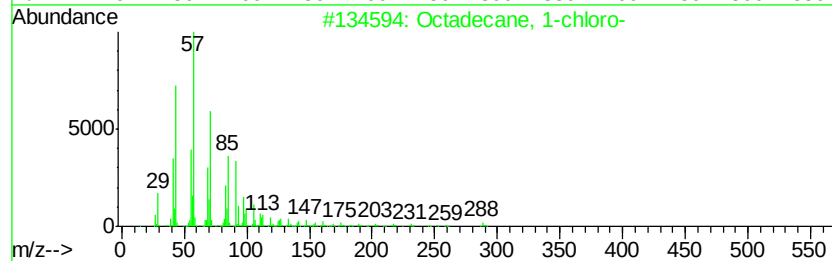
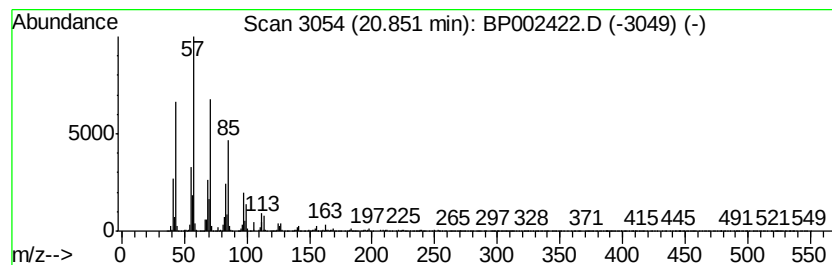
Instrument :  
BNA\_P  
ClientSampleId :  
MW-25(19-21)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP060520.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 Octadecane, 1-chloro- Concentration Rank 7

| R.T.    | EstConc                             | Area          | Relative to ISTD | R.T.      |
|---------|-------------------------------------|---------------|------------------|-----------|
| 20.85   | 2.07 ng                             | 240518        | Chrysene-d12     | 21.09     |
| Hit# of | 5                                   | Tentative ID  | MW MolForm       | CAS# Qual |
| 1       | Octadecane, 1-chloro-               | 288 C18H37Cl  | 003386-33-2      | 91        |
| 2       | Sulfurous acid, pentadecyl 2-pro... | 334 C18H38O3S | 1000309-12-6     | 90        |
| 3       | Sulfurous acid, dodecyl 2-propyl... | 292 C15H32O3S | 1000309-12-3     | 90        |
| 4       | Sulfurous acid, butyl heptadecyl... | 376 C21H44O3S | 1000309-18-4     | 90        |
| 5       | Nonadecane                          | 268 C19H40    | 000629-92-5      | 64        |



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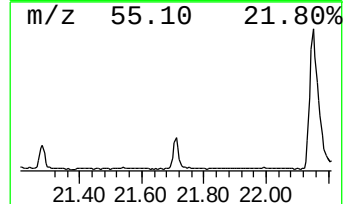
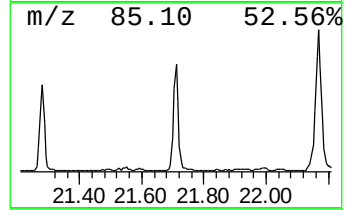
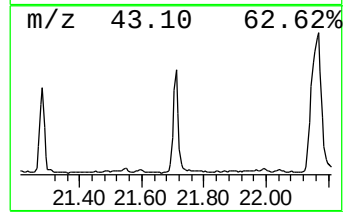
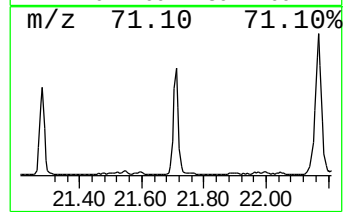
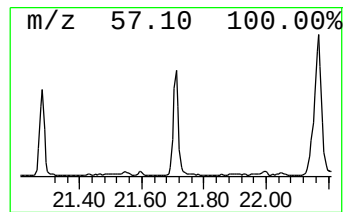
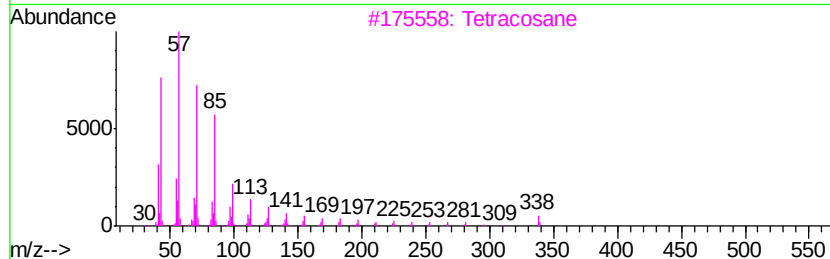
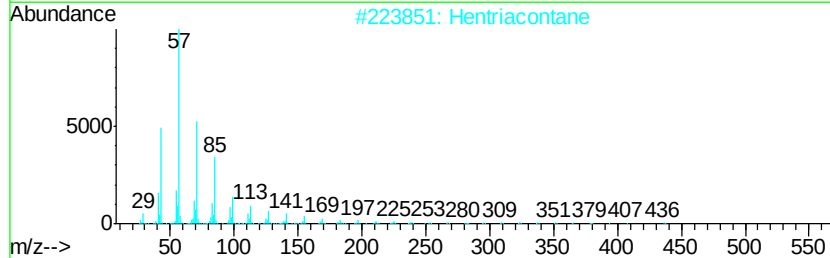
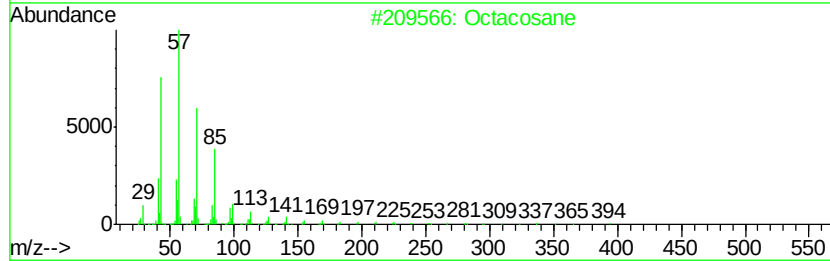
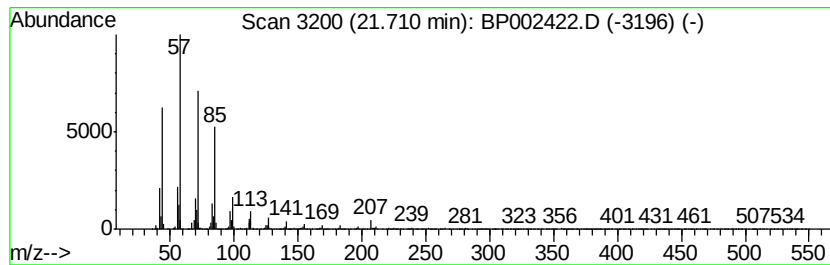
Instrument :  
 BNA\_P  
 ClientSampleId :  
 MW-25(19-21)

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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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 Peak Number 4 Octacosane Concentration Rank 5

| R.T.      | EstConc              | Area   | Relative to ISTD | R.T.        |      |
|-----------|----------------------|--------|------------------|-------------|------|
| 21.71     | 2.75 ng              | 319567 | Chrysene-d12     | 21.09       |      |
| Hit# of 5 | Tentative ID         | MW     | MolForm          | CAS#        | Qual |
| 1         | Octacosane           | 394    | C28H58           | 000630-02-4 | 98   |
| 2         | Hentriacontane       | 437    | C31H64           | 000630-04-6 | 96   |
| 3         | Tetracosane          | 338    | C24H50           | 000646-31-1 | 96   |
| 4         | Nonadecane           | 268    | C19H40           | 000629-92-5 | 93   |
| 5         | Eicosane, 10-methyl- | 296    | C21H44           | 054833-23-7 | 93   |



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Instrument :  
BNA\_P  
ClientSampleId :  
MW-25(19-21)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP060520.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

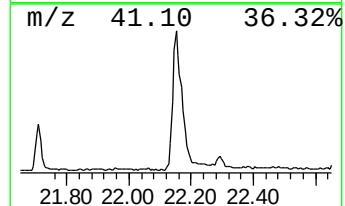
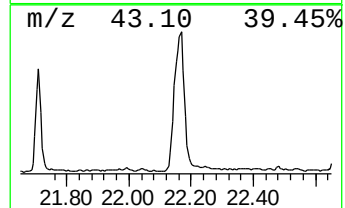
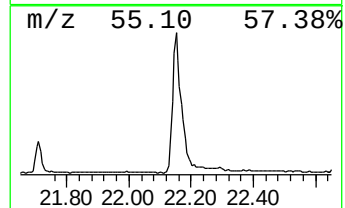
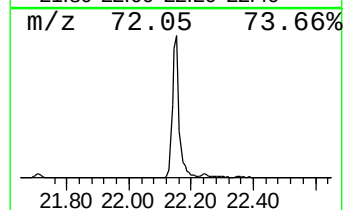
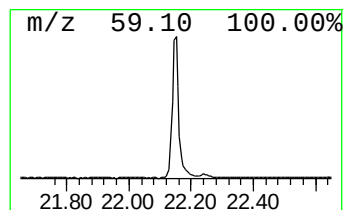
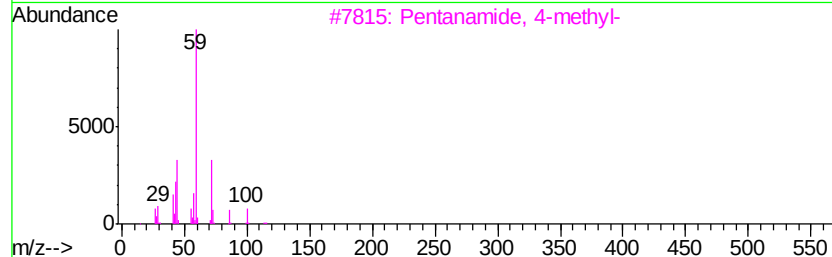
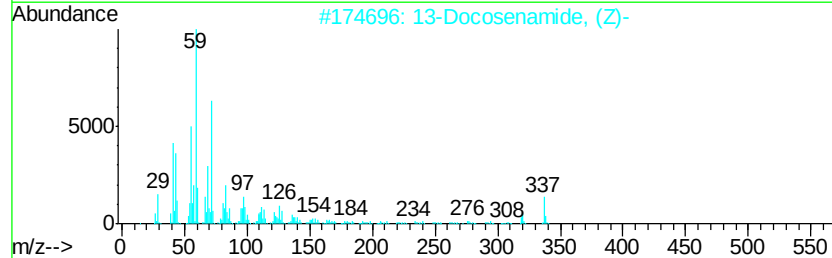
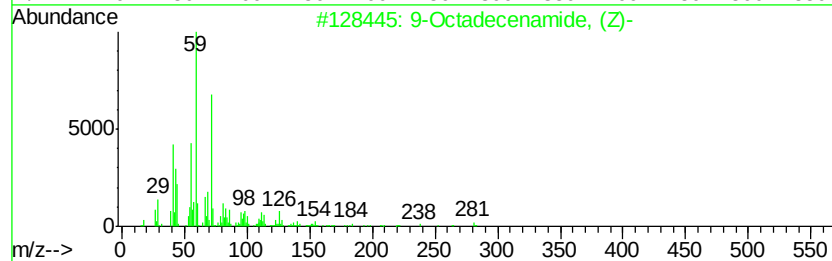
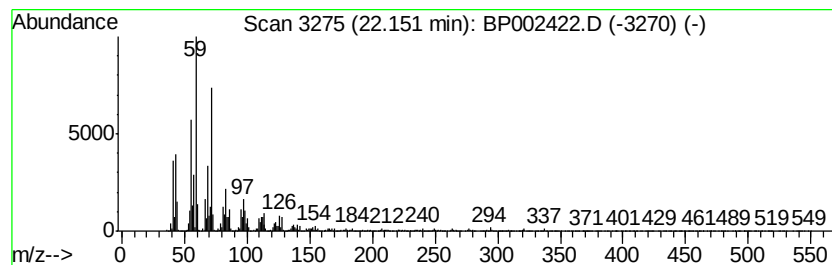
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 9-Octadecenamide, (Z)- Concentration Rank 2

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 22.15 | 12.39 ng | 1437870 | Chrysene-d12     | 21.09 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|-------------------------------------|-----|----------|--------------|------|
| 1    | 5  | 9-Octadecenamide, (Z)-              | 281 | C18H35NO | 000301-02-0  | 83   |
| 2    |    | 13-Docosenamide, (Z)-               | 337 | C22H43NO | 000112-84-5  | 74   |
| 3    |    | Pentanamide, 4-methyl-              | 115 | C6H13NO  | 001119-29-5  | 43   |
| 4    |    | 3-Tetradecanone                     | 212 | C14H28O  | 000629-23-2  | 35   |
| 5    |    | Methyl 17-methoxy-10-methoxycarb... | 386 | C22H42O5 | 1000110-20-7 | 27   |



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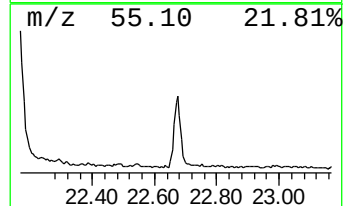
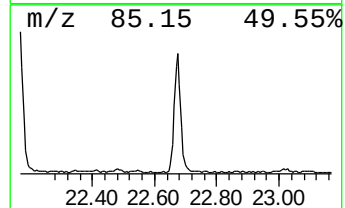
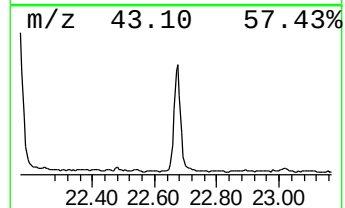
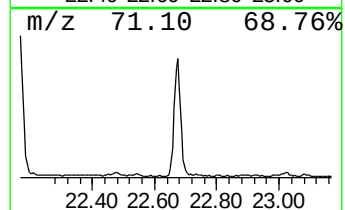
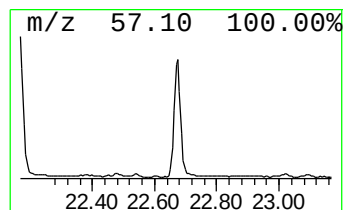
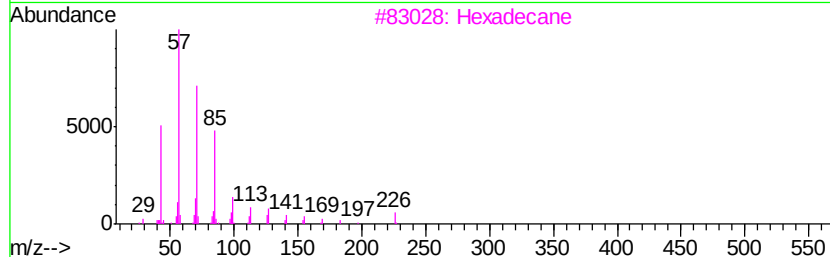
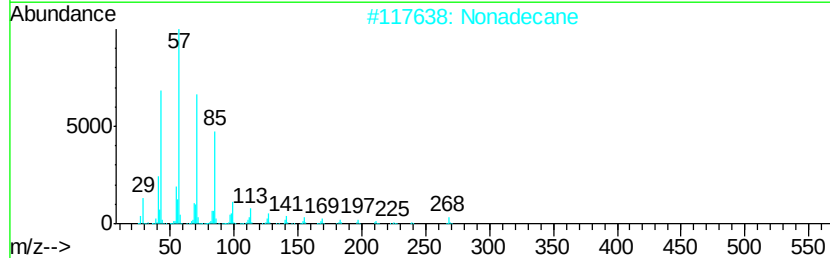
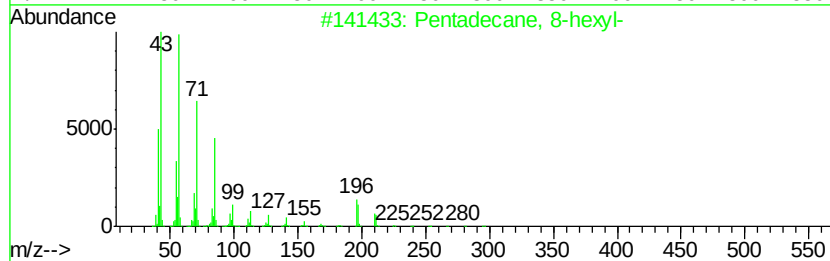
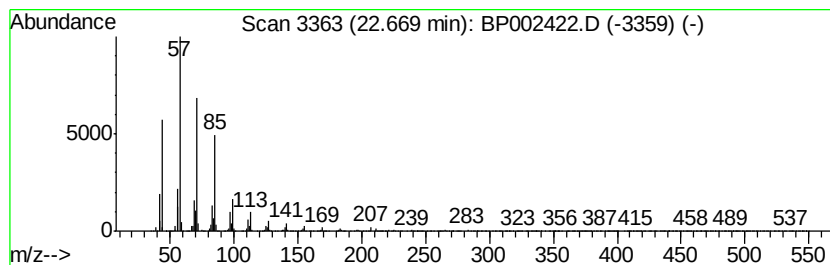
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Pentadecane, 8-hexyl- Concentration Rank 3

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 22.67 | 3.43 ng | 412104 | Perylene-d12     | 23.29 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Pentadecane, 8-hexyl- | 296 | C21H44  | 013475-75-7 | 94   |
| 2    |    | Nonadecane            | 268 | C19H40  | 000629-92-5 | 93   |
| 3    |    | Hexadecane            | 226 | C16H34  | 000544-76-3 | 93   |
| 4    |    | Eicosane              | 282 | C20H42  | 000112-95-8 | 91   |
| 5    |    | Heneicosane           | 296 | C21H44  | 000629-94-7 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP061720\  
Data File : BP002422.D  
Acq On : 17 Jun 2020 16:53  
Operator : CG/JU  
Sample : L3020-07  
Misc :  
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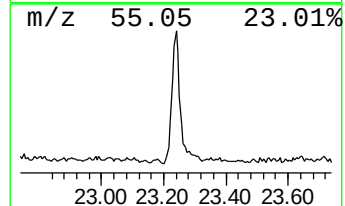
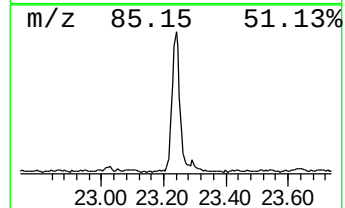
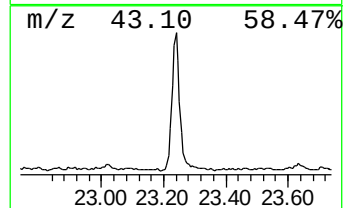
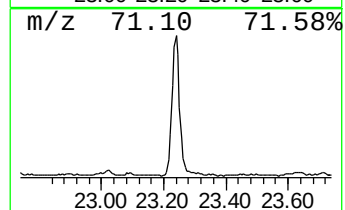
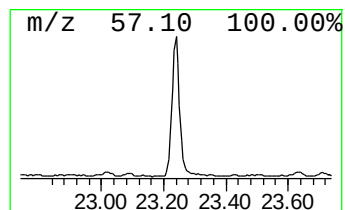
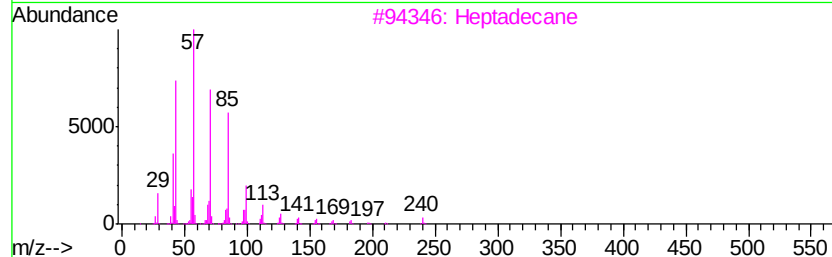
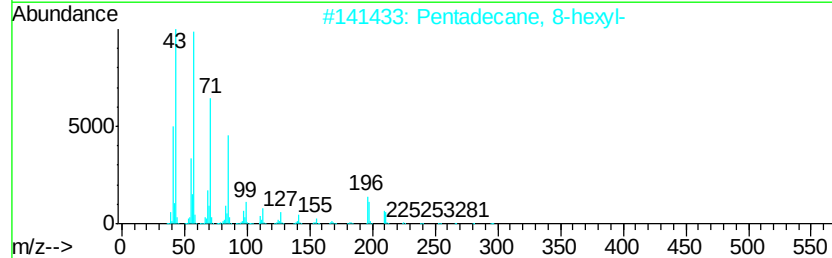
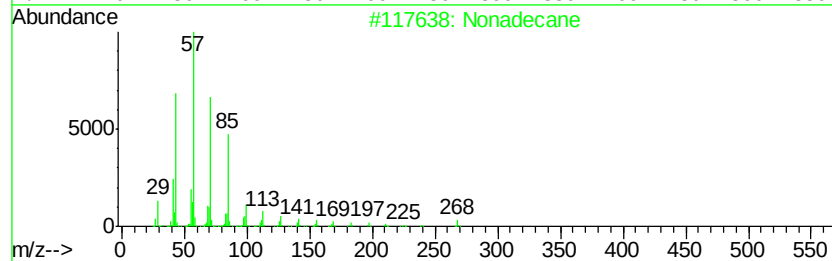
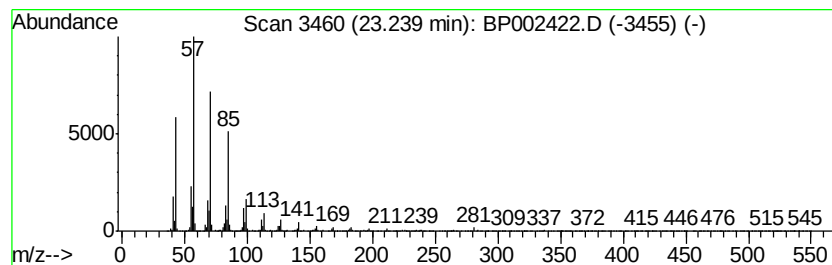
Instrument :  
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ClientSampleId :  
MW-25(19-21)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP060520.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 7 Nonadecane Concentration Rank 4

| R.T.    | EstConc               | Area         | Relative to ISTD | R.T.           |
|---------|-----------------------|--------------|------------------|----------------|
| 23.24   | 3.01 ng               | 361837       | Perylene-d12     | 23.29          |
| Hit# of | 5                     | Tentative ID | MW MolForm       | CAS# Qual      |
| 1       | Nonadecane            |              | 268 C19H40       | 000629-92-5 94 |
| 2       | Pentadecane, 8-hexyl- |              | 296 C21H44       | 013475-75-7 94 |
| 3       | Heptadecane           |              | 240 C17H36       | 000629-78-7 94 |
| 4       | Eicosane, 10-methyl-  |              | 296 C21H44       | 054833-23-7 93 |
| 5       | Octacosane            |              | 394 C28H58       | 000630-02-4 91 |





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP061720\  
 Data File : BP002422.D  
 Acq On : 17 Jun 2020 16:53  
 Operator : CG/JU  
 Sample : L3020-07  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 MW-25(19-21)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP060520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

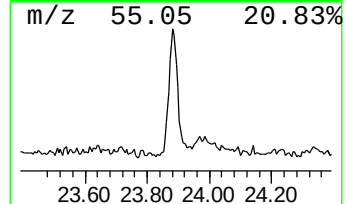
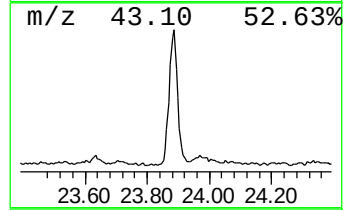
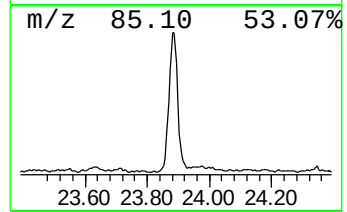
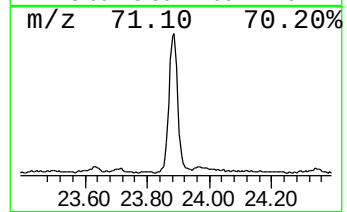
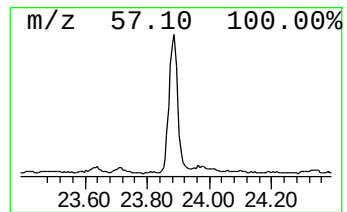
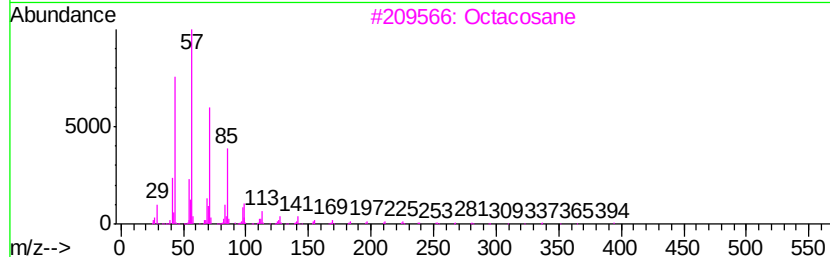
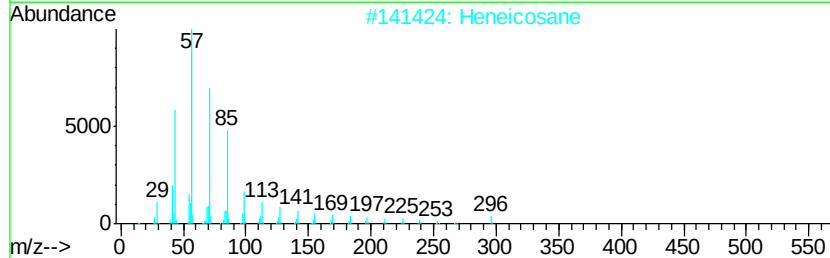
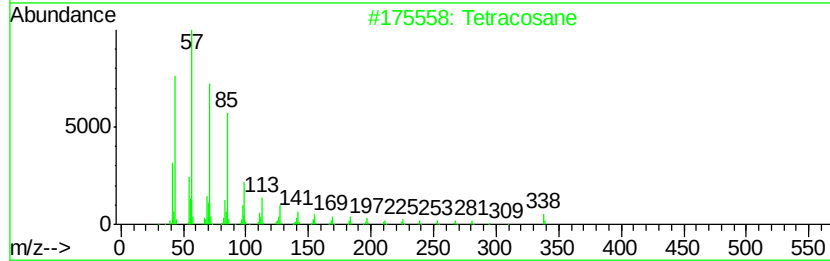
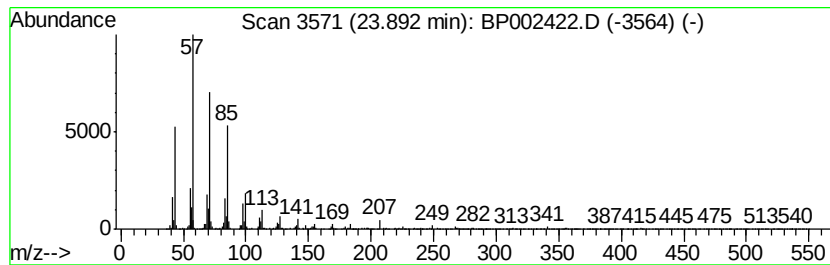
TIC Library : C:\DATABASE\NIST11.L  
 TIC Integration Parameters: LSCINT.P

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 Peak Number 8 Tetracosane Concentration Rank 6

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 23.89 | 2.31 ng | 277167 | Perylene-d12     | 23.29 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Tetracosane           | 338 | C24H50  | 000646-31-1 | 96   |
| 2    |    | Heneicosane           | 296 | C21H44  | 000629-94-7 | 93   |
| 3    |    | Octacosane            | 394 | C28H58  | 000630-02-4 | 87   |
| 4    |    | Pentadecane, 8-hexyl- | 296 | C21H44  | 013475-75-7 | 81   |
| 5    |    | Tetratetracontane     | 619 | C44H90  | 007098-22-8 | 76   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_P\DATA\BP061720\  
Data File : BP002422.D  
Acq On : 17 Jun 2020 16:53  
Operator : CG/JU  
Sample : L3020-07  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
MW-25(19-21)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\8270-BP060520.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 |
| Ethanol, 2-(2-eth...  | 7.20  | 2.0     | ng    | 83197    | 1                     | 7.59  | 815425  | 20.0 |
| Octadecane, 1-chl...  | 20.85 | 2.1     | ng    | 240518   | 5                     | 21.09 | 2321160 | 20.0 |
| Octacosane            | 21.71 | 2.8     | ng    | 319567   | 5                     | 21.09 | 2321160 | 20.0 |
| 9-Octadecenamide, ... | 22.15 | 12.4    | ng    | 1437870  | 5                     | 21.09 | 2321160 | 20.0 |
| Pentadecane, 8-he...  | 22.67 | 3.4     | ng    | 412104   | 6                     | 23.29 | 2402040 | 20.0 |
| Nonadecane            | 23.24 | 3.0     | ng    | 361837   | 6                     | 23.29 | 2402040 | 20.0 |
| Tetracosane           | 23.89 | 2.3     | ng    | 277167   | 6                     | 23.29 | 2402040 | 20.0 |