

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP062420\  
 Data File : BP002519.D  
 Acq On : 24 Jun 2020 12:57  
 Operator : CG/JU  
 Sample : PB129731BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 PB129731BL

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\_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         | 5.199       | 387           | 393         | 413          | rBV      | 2545985        | 3988275       | 44.81%          | 8.238%        |
| 2         | 6.769       | 652           | 660         | 683          | rBV      | 2462421        | 4115048       | 46.24%          | 8.499%        |
| 3         | 7.581       | 791           | 798         | 810          | rBV      | 599160         | 946652        | 10.64%          | 1.955%        |
| 4         | 7.898       | 844           | 852         | 865          | rBV      | 2258355        | 3650336       | 41.02%          | 7.540%        |
| 5         | 8.722       | 983           | 992         | 1016         | rBV      | 1650720        | 2849985       | 32.02%          | 5.886%        |
| 6         | 10.351      | 1259          | 1269        | 1286         | rBV      | 730578         | 1276794       | 14.35%          | 2.637%        |
| 7         | 12.845      | 1685          | 1693        | 1717         | rBV      | 3901478        | 6000805       | 67.42%          | 12.394%       |
| 8         | 14.228      | 1921          | 1928        | 1939         | rBV      | 1165382        | 1688331       | 18.97%          | 3.487%        |
| 9         | 15.727      | 2176          | 2183        | 2209         | rBV      | 2875738        | 4452042       | 50.02%          | 9.195%        |
| 10        | 16.986      | 2387          | 2397        | 2407         | rBV      | 1408333        | 2061728       | 23.17%          | 4.258%        |
| 11        | 19.574      | 2831          | 2837        | 2851         | rBV      | 6875721        | 8899971       | 100.00%         | 18.382%       |
| 12        | 21.086      | 3089          | 3094        | 3104         | rBV      | 1827988        | 2476136       | 27.82%          | 5.114%        |
| 13        | 22.157      | 3272          | 3276        | 3285         | rBV      | 177354         | 230313        | 2.59%           | 0.476%        |
| 14        | 22.662      | 3357          | 3362        | 3367         | rVB      | 255886         | 378338        | 4.25%           | 0.781%        |
| 15        | 23.221      | 3452          | 3457        | 3461         | rBV      | 349387         | 555887        | 6.25%           | 1.148%        |
| 16        | 23.286      | 3461          | 3468        | 3480         | rVB2     | 1377930        | 2613827       | 29.37%          | 5.399%        |
| 17        | 23.862      | 3560          | 3566        | 3576         | rVB      | 335604         | 637682        | 7.16%           | 1.317%        |
| 18        | 24.603      | 3686          | 3692        | 3703         | rVB      | 307802         | 670694        | 7.54%           | 1.385%        |
| 19        | 25.474      | 3833          | 3840        | 3851         | rVB      | 197772         | 507786        | 5.71%           | 1.049%        |
| 20        | 26.492      | 4008          | 4013        | 4025         | rVB2     | 153781         | 415130        | 4.66%           | 0.857%        |

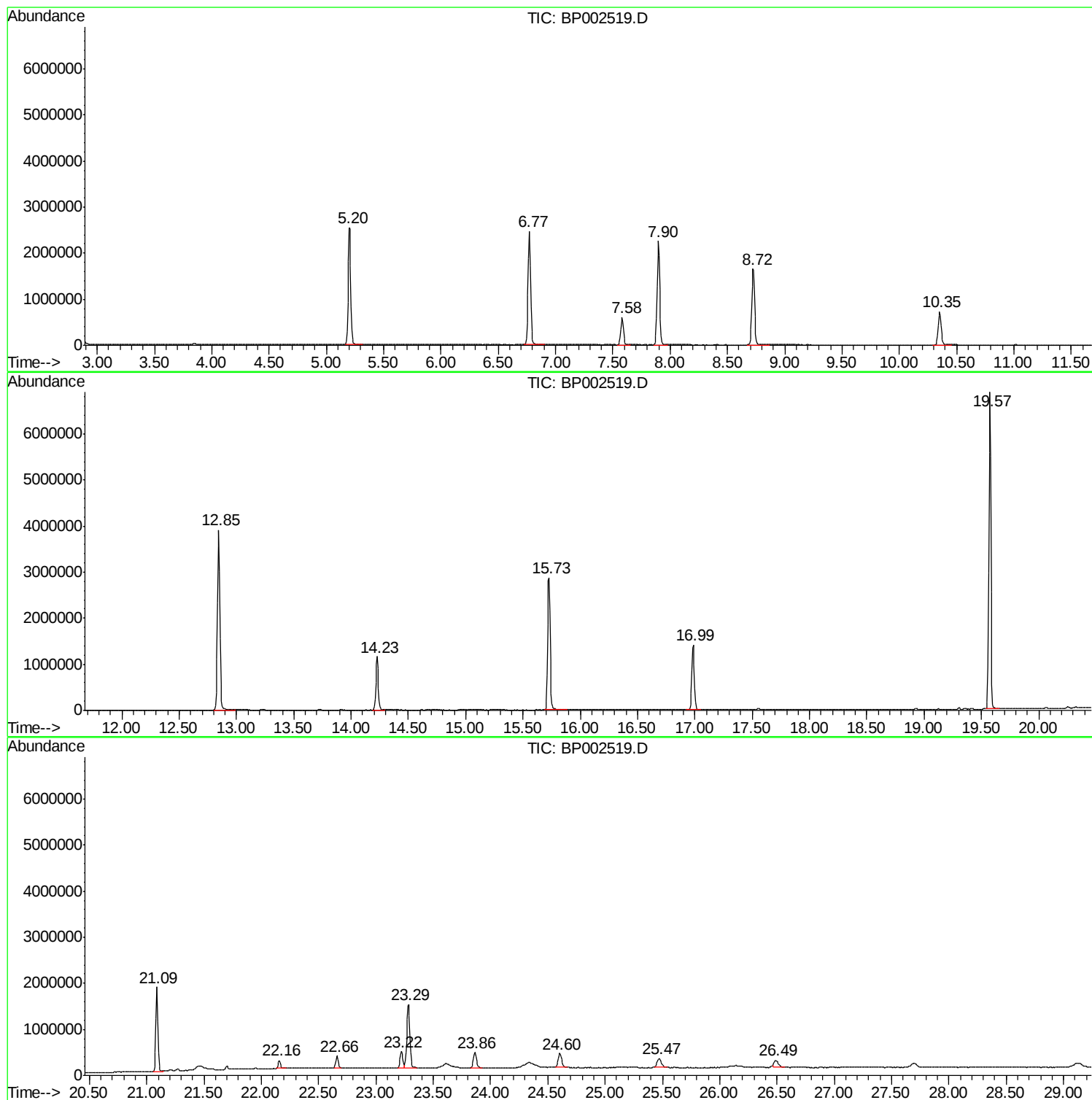
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Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP062420\  
Data File : BP002519.D  
Acq On : 24 Jun 2020 12:57  
Operator : CG/JU  
Sample : PB129731BL  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
PB129731BL

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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ALS Vial : 3 Sample Multiplier: 1

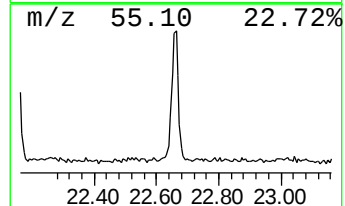
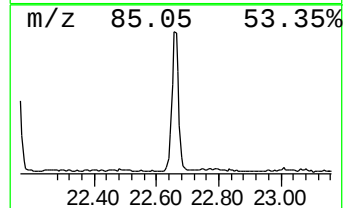
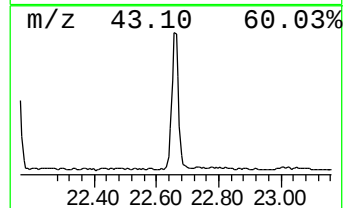
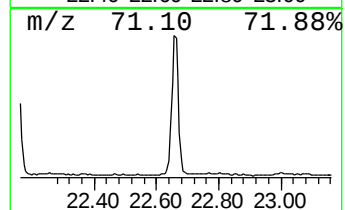
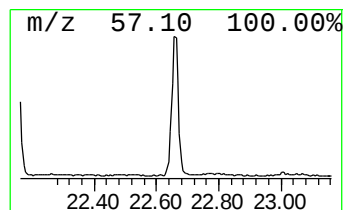
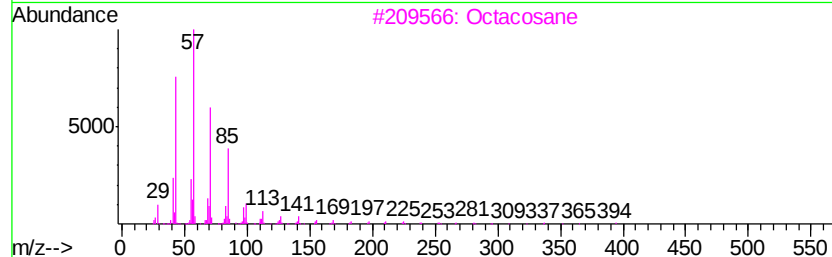
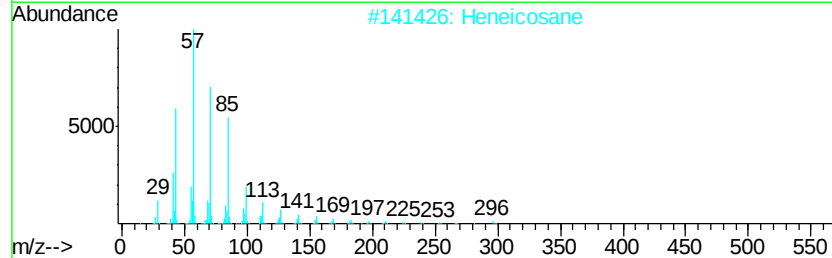
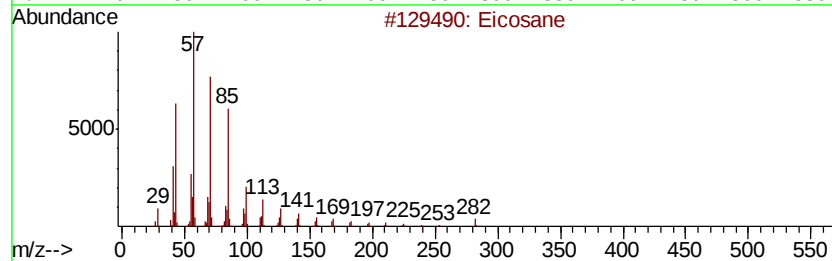
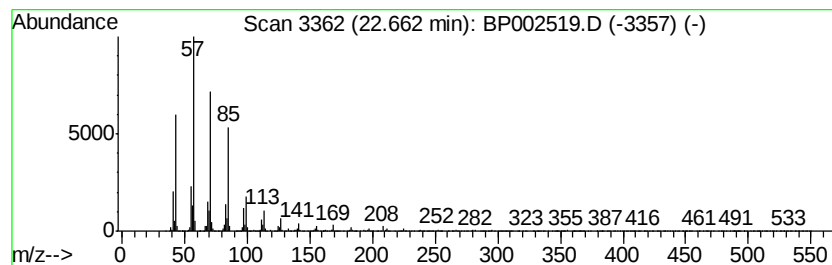
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BNA\_P  
ClientSampleId :  
PB129731BL

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 2 Eicosane Concentration Rank 7

| R.T.    | EstConc                          | Area         | Relative to ISTD | R.T.           |
|---------|----------------------------------|--------------|------------------|----------------|
| 22.66   | 2.89 ng                          | 378338       | Perylene-d12     | 23.29          |
| Hit# of | 5                                | Tentative ID | MW MolForm       | CAS# Qual      |
| 1       | Eicosane                         |              | 282 C20H42       | 000112-95-8 94 |
| 2       | Heneicosane                      |              | 296 C21H44       | 000629-94-7 91 |
| 3       | Octacosane                       |              | 394 C28H58       | 000630-02-4 91 |
| 4       | Hexacosane                       |              | 366 C26H54       | 000630-01-3 91 |
| 5       | Heneicosane, 11-(1-ethylpropyl)- |              | 366 C26H54       | 055282-11-6 91 |



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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

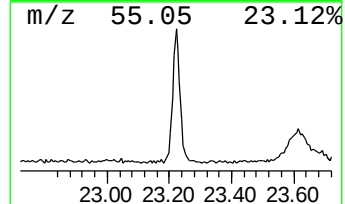
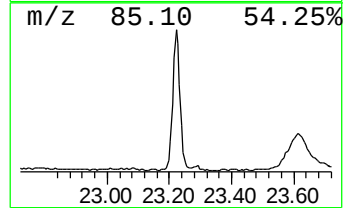
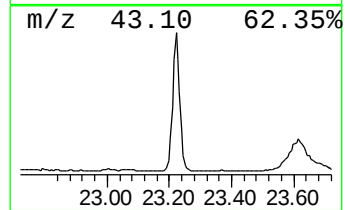
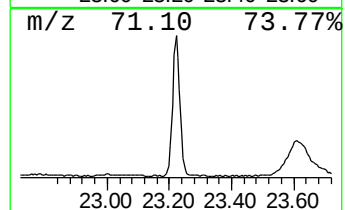
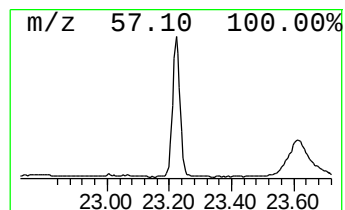
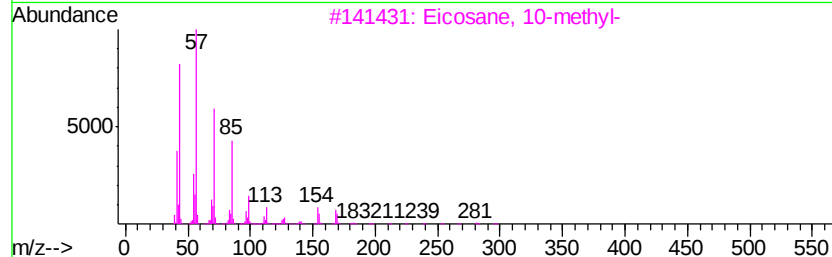
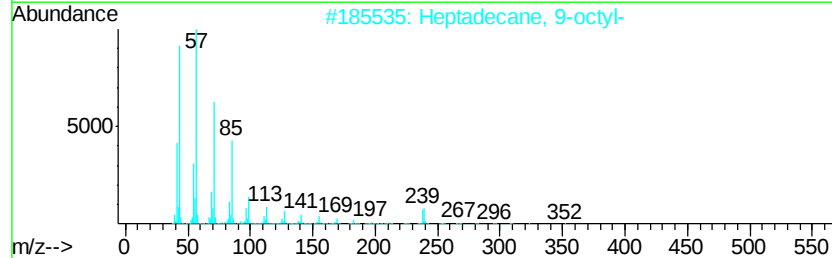
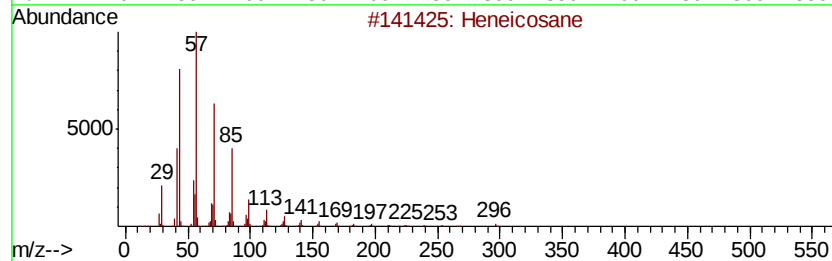
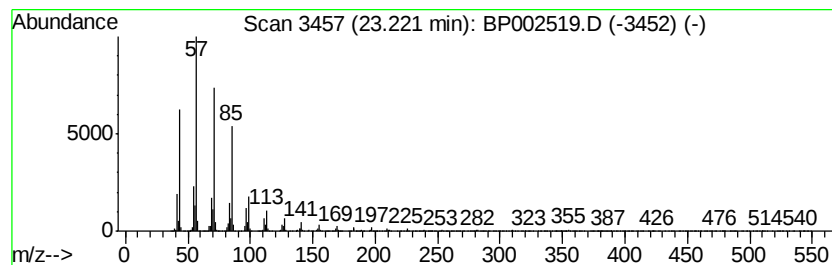
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Heneicosane Concentration Rank 4

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 23.22 | 4.25 ng | 555887 | Perylene-d12     | 23.29 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Heneicosane           | 296 | C21H44  | 000629-94-7 | 97   |
| 2    |    | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1 | 95   |
| 3    |    | Eicosane, 10-methyl-  | 296 | C21H44  | 054833-23-7 | 95   |
| 4    |    | Eicosane              | 282 | C20H42  | 000112-95-8 | 95   |
| 5    |    | Pentadecane, 8-hexyl- | 296 | C21H44  | 013475-75-7 | 94   |



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Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
PB129731BL

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

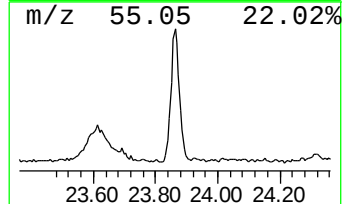
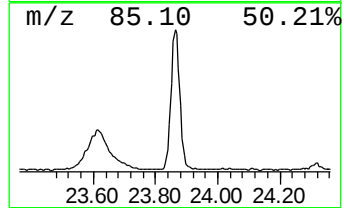
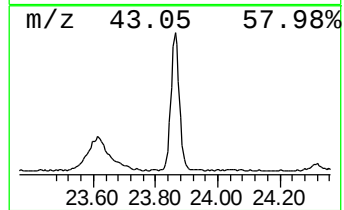
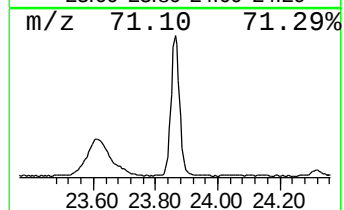
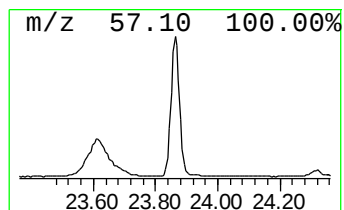
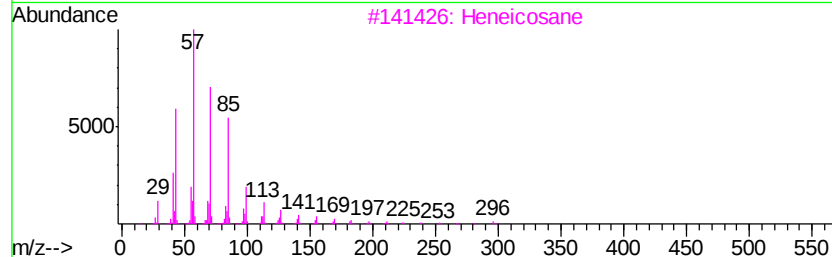
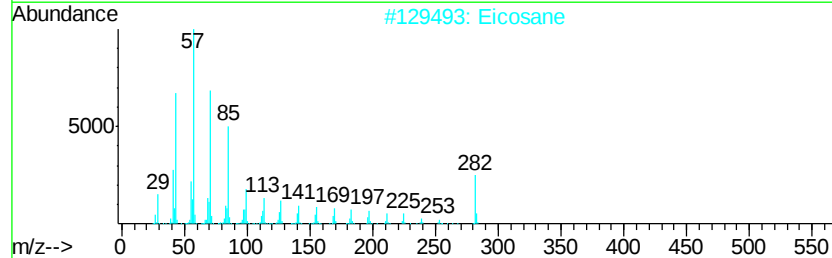
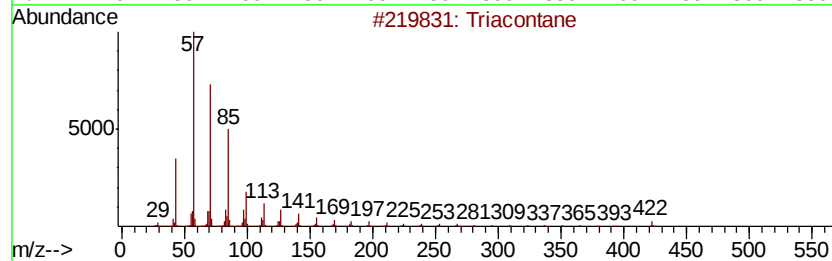
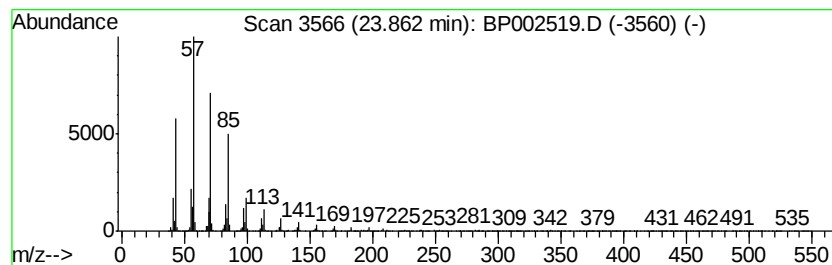
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Triacontane Concentration Rank 3

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 23.86 | 4.88 ng | 637682 | Perylene-d12     | 23.29 |

| Hit# | of | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------------|-----|---------|-------------|------|
| 1    | 5  | Triacontane                      | 422 | C30H62  | 000638-68-6 | 96   |
| 2    |    | Eicosane                         | 282 | C20H42  | 000112-95-8 | 95   |
| 3    |    | Heneicosane                      | 296 | C21H44  | 000629-94-7 | 91   |
| 4    |    | Hexacosane                       | 366 | C26H54  | 000630-01-3 | 91   |
| 5    |    | Heneicosane, 11-(1-ethylpropyl)- | 366 | C26H54  | 055282-11-6 | 91   |



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Misc :  
ALS Vial : 3 Sample Multiplier: 1

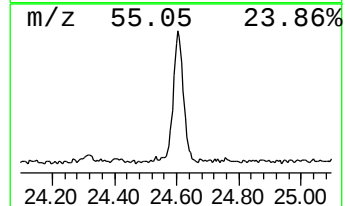
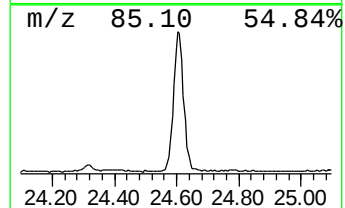
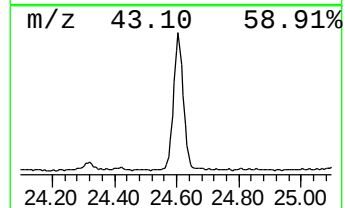
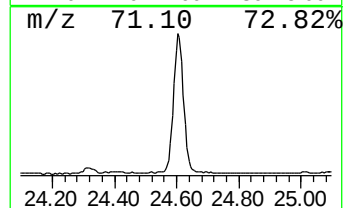
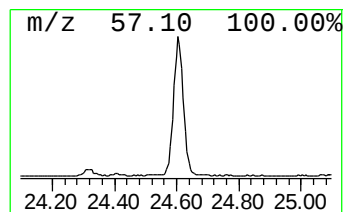
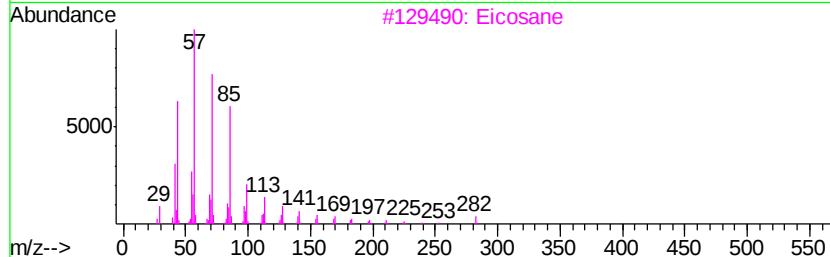
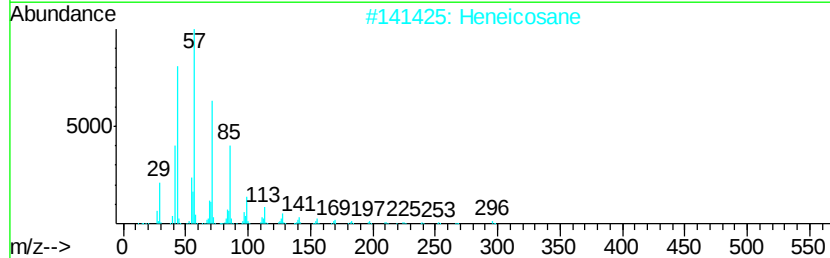
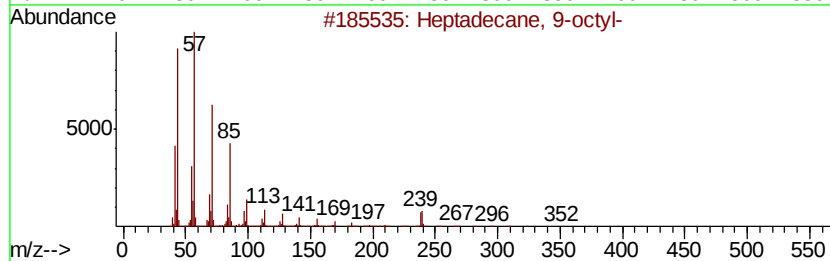
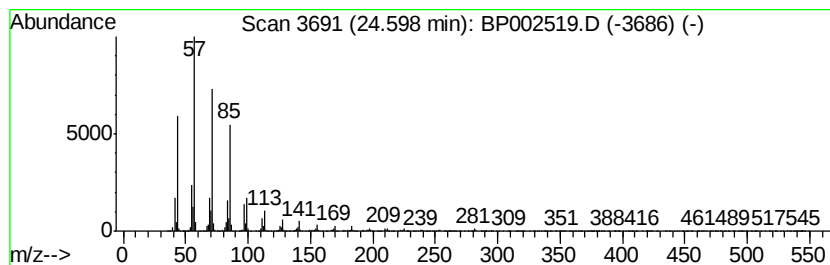
Instrument :  
BNA\_P  
ClientSampleId :  
PB129731BL

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TIC Library : C:\DATABASE\NIST11.L  
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Peak Number 5 Heptadecane, 9-octyl- Concentration Rank 2

| R.T.    | EstConc               | Area         | Relative to ISTD | R.T.      |
|---------|-----------------------|--------------|------------------|-----------|
| 24.60   | 5.13 ng               | 670694       | Perylene-d12     | 23.29     |
| Hit# of | 5                     | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | Heptadecane, 9-octyl- | 352 C25H52   | 007225-64-1      | 95        |
| 2       | Heneicosane           | 296 C21H44   | 000629-94-7      | 95        |
| 3       | Eicosane              | 282 C20H42   | 000112-95-8      | 93        |
| 4       | Pentadecane, 8-hexyl- | 296 C21H44   | 013475-75-7      | 93        |
| 5       | Octacosane            | 394 C28H58   | 000630-02-4      | 91        |



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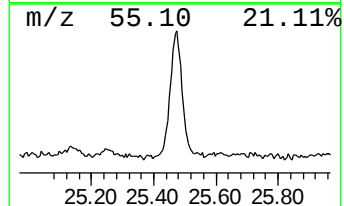
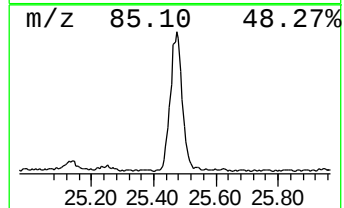
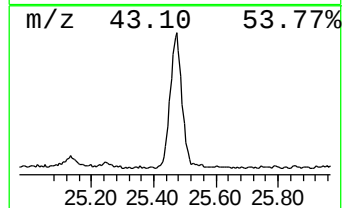
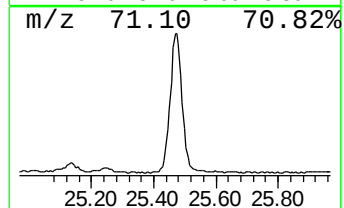
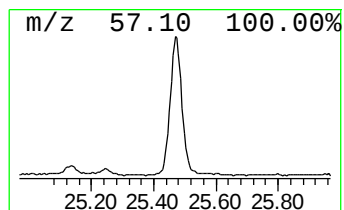
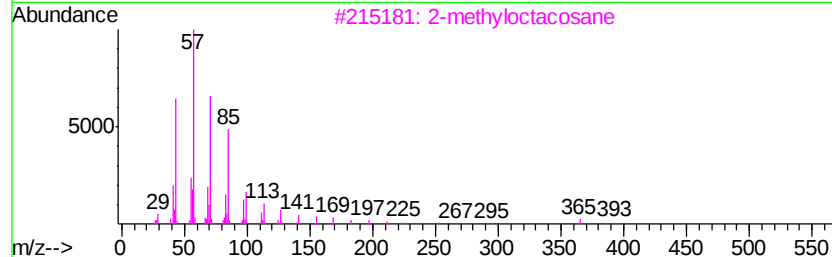
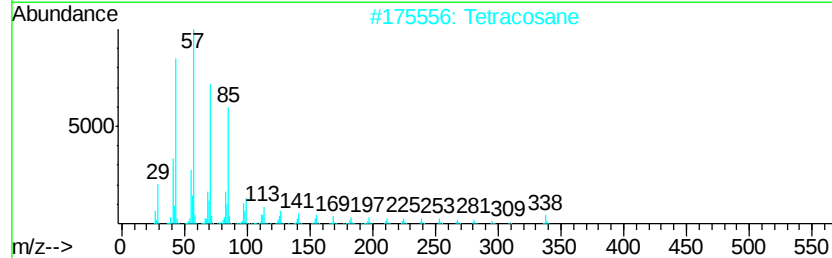
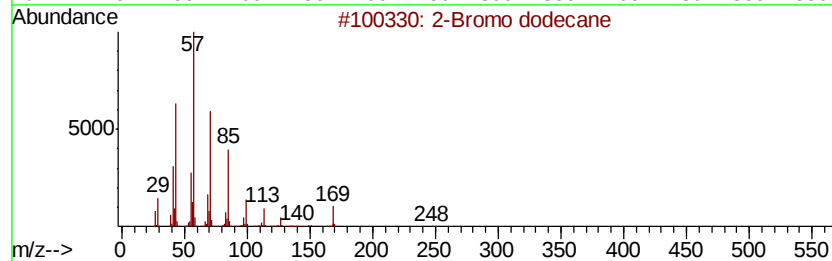
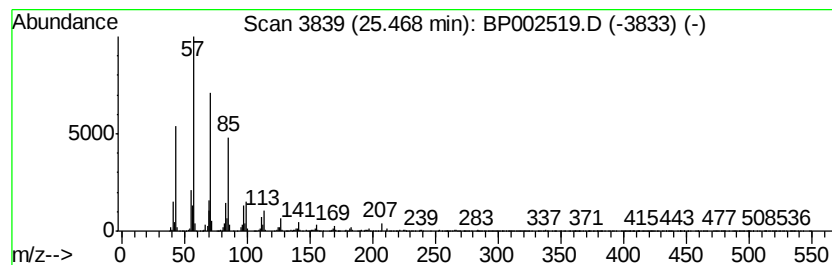
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 2-Bromo dodecane Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 25.47 | 3.89 ng | 507786 | Perylene-d12     | 23.29 |

| Hit# of | 5                  | Tentative ID | MW  | MolForm  | CAS#         | Qual |
|---------|--------------------|--------------|-----|----------|--------------|------|
| 1       | 2-Bromo dodecane   |              | 248 | C12H25Br | 013187-99-0  | 94   |
| 2       | Tetracosane        |              | 338 | C24H50   | 000646-31-1  | 93   |
| 3       | 2-methyloctacosane |              | 408 | C29H60   | 1000376-72-8 | 90   |
| 4       | triacontane        |              | 422 | C30H62   | 000638-68-6  | 90   |
| 5       | Octacosane         |              | 394 | C28H58   | 000630-02-4  | 87   |



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 ALS Vial : 3 Sample Multiplier: 1

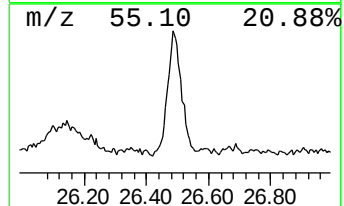
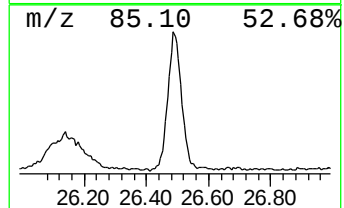
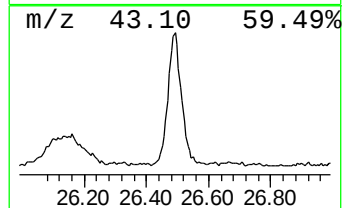
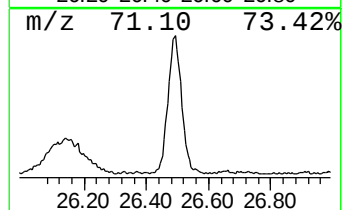
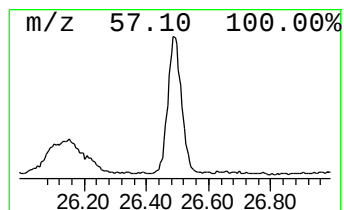
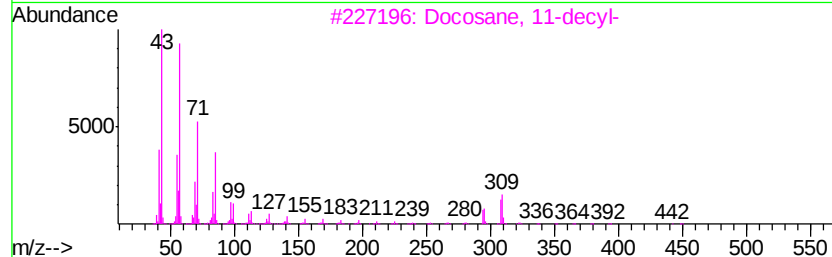
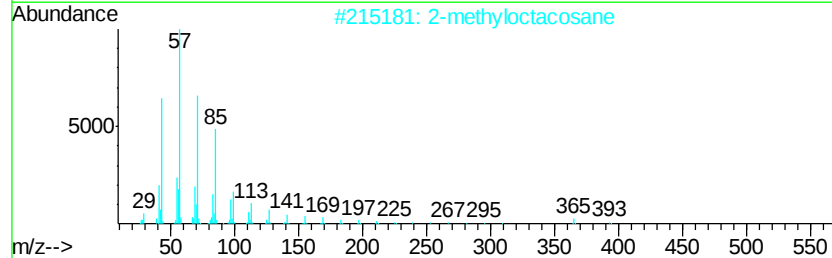
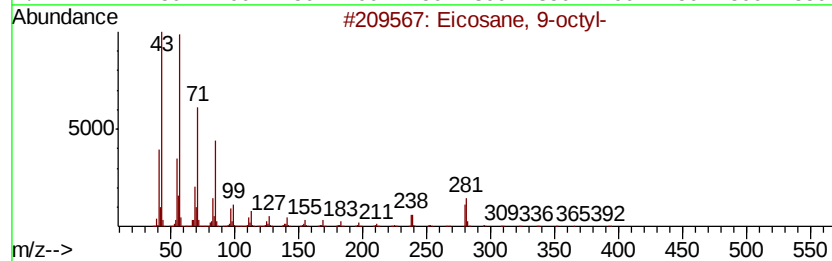
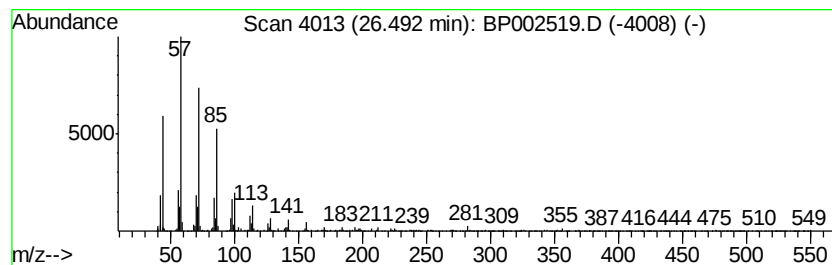
Instrument :  
 BNA\_P  
 ClientSampleId :  
 PB129731BL

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

\*\*\*\*\*  
 Peak Number 7 Eicosane, 9-octyl- Concentration Rank 6

| R.T.      | EstConc             | Area   | Relative to ISTD |              | R.T.  |
|-----------|---------------------|--------|------------------|--------------|-------|
| 26.49     | 3.18 ng             | 415130 | Perylene-d12     |              | 23.29 |
| Hit# of 5 | Tentative ID        | MW     | MolForm          | CAS#         | Qual  |
| 1         | Eicosane, 9-octyl-  | 394    | C28H58           | 013475-77-9  | 93    |
| 2         | 2-methyloctacosane  | 408    | C29H60           | 1000376-72-8 | 91    |
| 3         | Docosane, 11-decyl- | 451    | C32H66           | 055401-55-3  | 90    |
| 4         | Hentriacontane      | 437    | C31H64           | 000630-04-6  | 90    |
| 5         | Hexacosane          | 366    | C26H54           | 000630-01-3  | 90    |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_P\DATA\BP062420\  
Data File : BP002519.D  
Acq On : 24 Jun 2020 12:57  
Operator : CG/JU  
Sample : PB129731BL  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
PB129731BL

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 |
| Eicosane             | 22.66 | 2.9     | ng    | 378338   | 6                     | 23.29 | 2613830 | 20.0 |
| Heneicosane          | 23.22 | 4.3     | ng    | 555887   | 6                     | 23.29 | 2613830 | 20.0 |
| Triacontane          | 23.86 | 4.9     | ng    | 637682   | 6                     | 23.29 | 2613830 | 20.0 |
| Heptadecane, 9-oc... | 24.60 | 5.1     | ng    | 670694   | 6                     | 23.29 | 2613830 | 20.0 |
| 2-Bromo dodecane     | 25.47 | 3.9     | ng    | 507786   | 6                     | 23.29 | 2613830 | 20.0 |
| Eicosane, 9-octyl-   | 26.49 | 3.2     | ng    | 415130   | 6                     | 23.29 | 2613830 | 20.0 |