

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF070522\  
 Data File : BF129134.D  
 Acq On : 05 Jul 2022 20:38  
 Operator : CG\JU  
 Sample : N3567-01 2X  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OK-02-07012022

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-BF062922.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF129134.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 4.069       | 299           | 303         | 307          | rVB      | 32258          | 39166         | 1.45%           | 0.142%        |
| 2         | 5.187       | 490           | 493         | 499          | rVB      | 30258          | 33060         | 1.23%           | 0.120%        |
| 3         | 5.569       | 554           | 558         | 562          | rBV      | 2645171        | 2381011       | 88.33%          | 8.637%        |
| 4         | 6.569       | 724           | 728         | 732          | rBV      | 2546420        | 2236605       | 82.97%          | 8.114%        |
| 5         | 6.957       | 790           | 794         | 797          | rBV      | 2491087        | 1944975       | 72.15%          | 7.056%        |
| 6         | 7.516       | 885           | 889         | 892          | rBV      | 1761931        | 1417475       | 52.58%          | 5.142%        |
| 7         | 7.587       | 897           | 901         | 905          | rVB3     | 34546          | 33904         | 1.26%           | 0.123%        |
| 8         | 8.240       | 1008          | 1012        | 1015         | rBV      | 3131379        | 2378413       | 88.23%          | 8.628%        |
| 9         | 9.310       | 1191          | 1194        | 1205         | rBV      | 3200217        | 2695721       | 100.00%         | 9.779%        |
| 10        | 9.998       | 1307          | 1311        | 1315         | rBV      | 2903734        | 2412773       | 89.50%          | 8.753%        |
| 11        | 10.786      | 1441          | 1445        | 1456         | rBV      | 1760939        | 1461339       | 54.21%          | 5.301%        |
| 12        | 10.892      | 1460          | 1463        | 1469         | rVB2     | 30090          | 43451         | 1.61%           | 0.158%        |
| 13        | 11.492      | 1561          | 1565        | 1568         | rBV      | 2964176        | 2408589       | 89.35%          | 8.737%        |
| 14        | 11.869      | 1626          | 1629        | 1632         | rVB      | 86360          | 65823         | 2.44%           | 0.239%        |
| 15        | 11.998      | 1648          | 1651        | 1656         | rBV      | 220455         | 248903        | 9.23%           | 0.903%        |
| 16        | 12.792      | 1783          | 1786        | 1793         | rBV2     | 86005          | 105058        | 3.90%           | 0.381%        |
| 17        | 13.075      | 1831          | 1834        | 1838         | rBV      | 3008910        | 2510938       | 93.15%          | 9.109%        |
| 18        | 14.139      | 2012          | 2015        | 2020         | rVB      | 2053830        | 1879855       | 69.73%          | 6.819%        |
| 19        | 14.233      | 2028          | 2031        | 2036         | rVB      | 743742         | 670566        | 24.88%          | 2.433%        |
| 20        | 15.668      | 2272          | 2275        | 2283         | rVB2     | 1197288        | 1624848       | 60.28%          | 5.894%        |
| 21        | 16.886      | 2479          | 2482        | 2491         | rVB      | 619590         | 973715        | 36.12%          | 3.532%        |

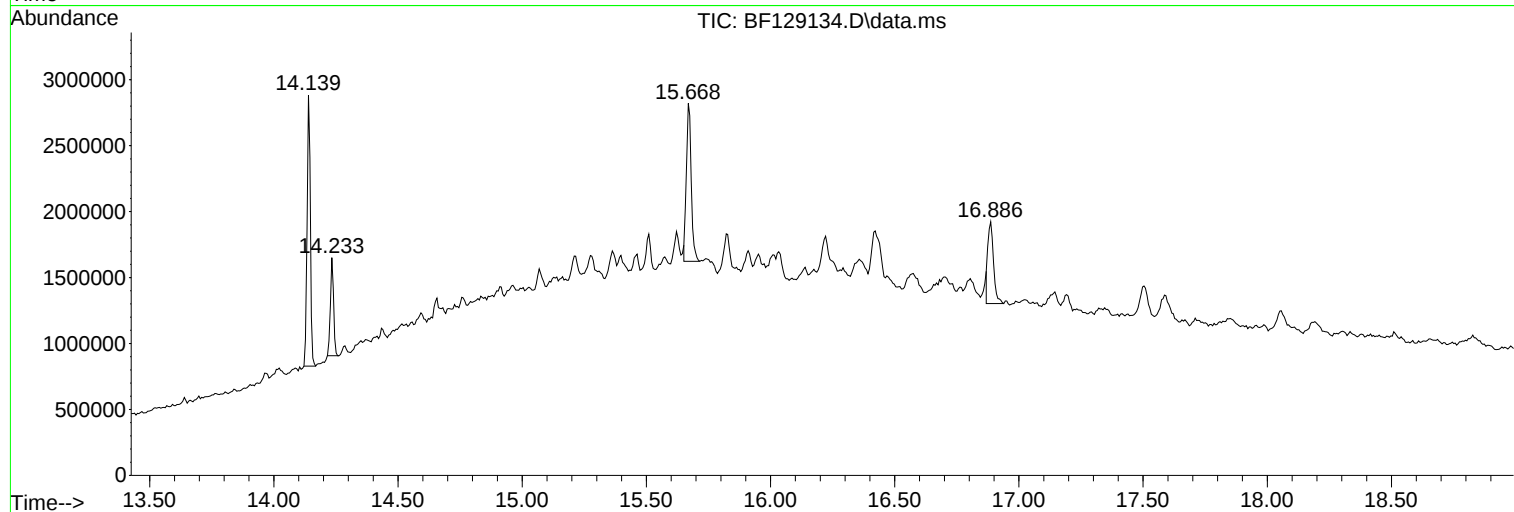
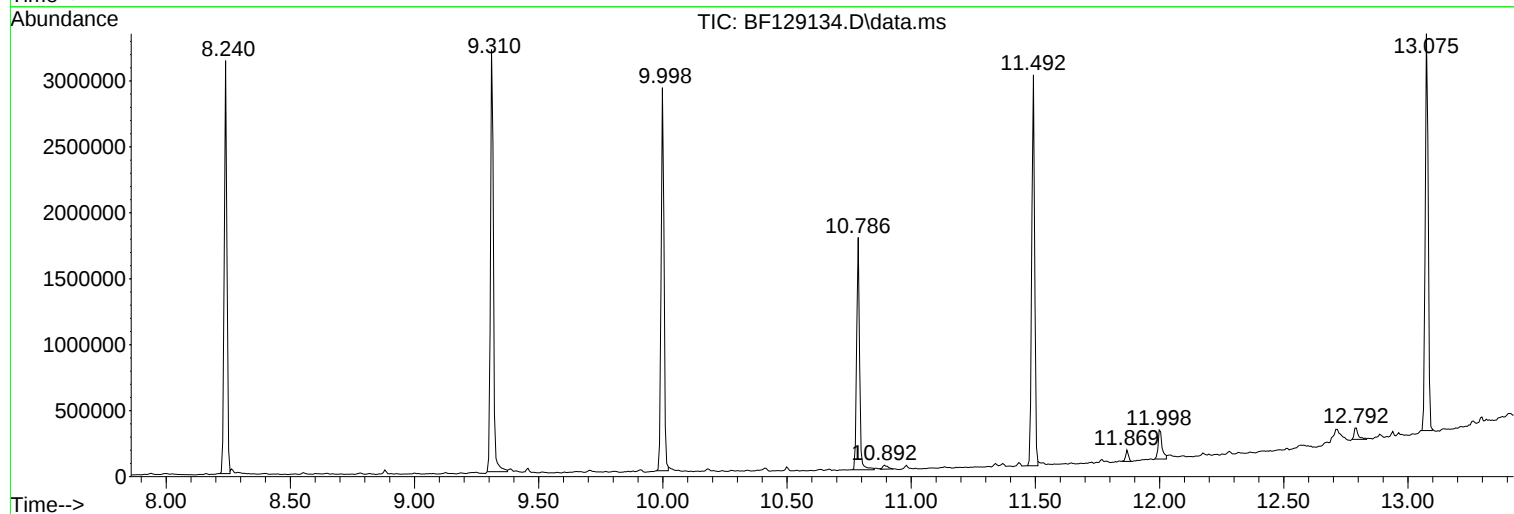
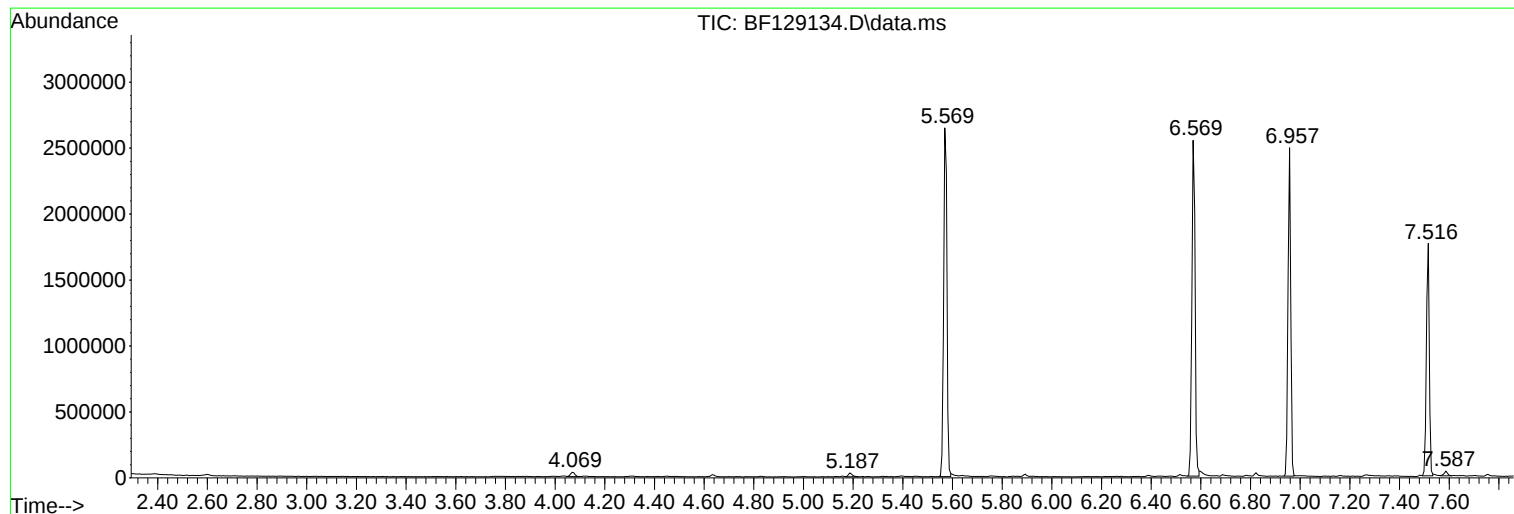
Sum of corrected areas: 27566188

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BNA\_F  
ClientSampleId :  
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062922.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P



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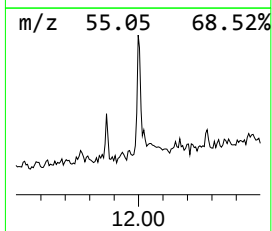
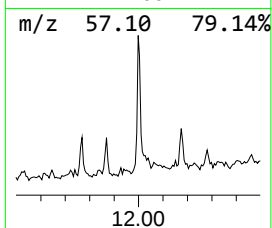
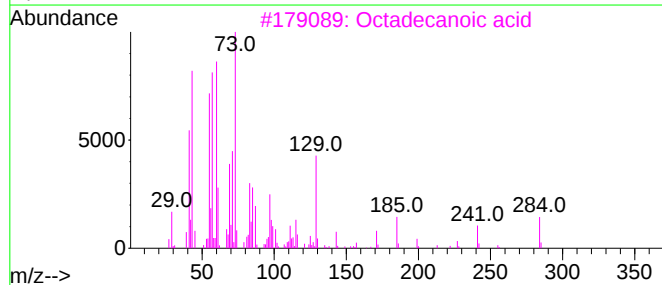
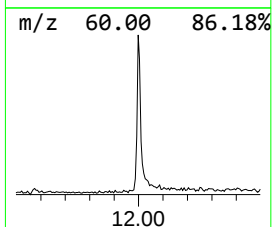
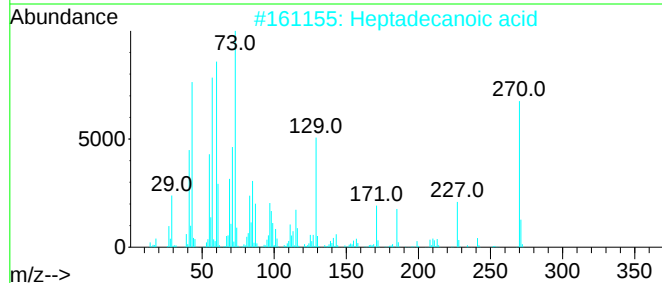
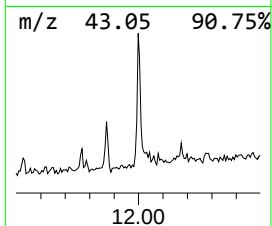
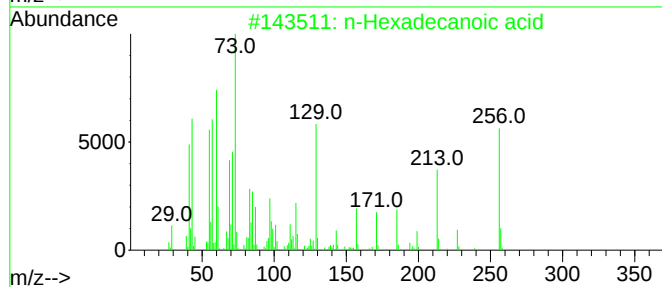
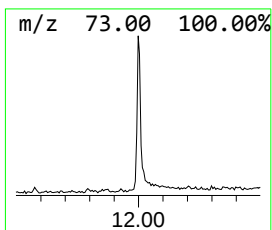
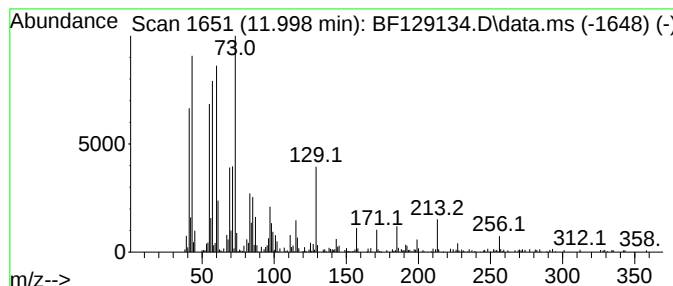
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062922.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 n-Hexadecanoic acid Concentration Rank 3

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 11.998 | 2.07 ng | 248903 | Phenanthrene-d10 | 11.492 |

| Hit# | of 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|------|---------------------|-----|----------|-------------|------|
| 1    |      | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99   |
| 2    |      | Heptadecanoic acid  | 270 | C17H34O2 | 000506-12-7 | 97   |
| 3    |      | Octadecanoic acid   | 284 | C18H36O2 | 000057-11-4 | 93   |
| 4    |      | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 92   |
| 5    |      | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 87   |



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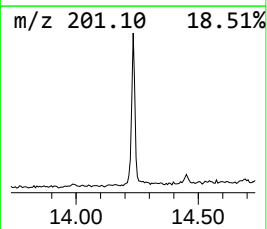
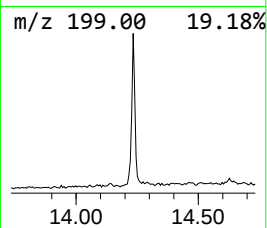
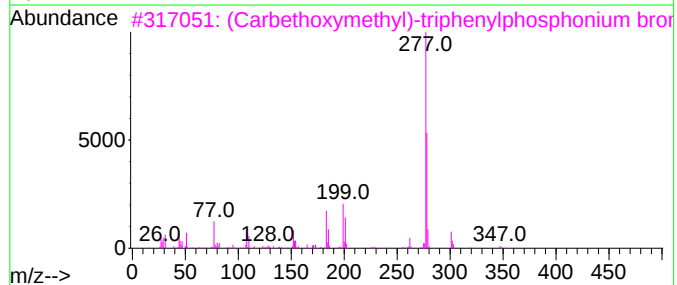
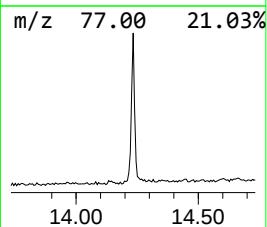
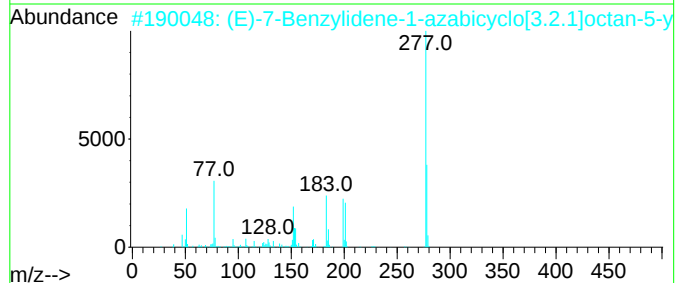
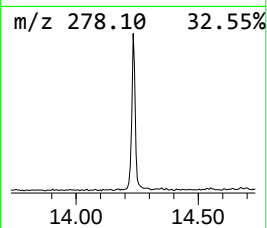
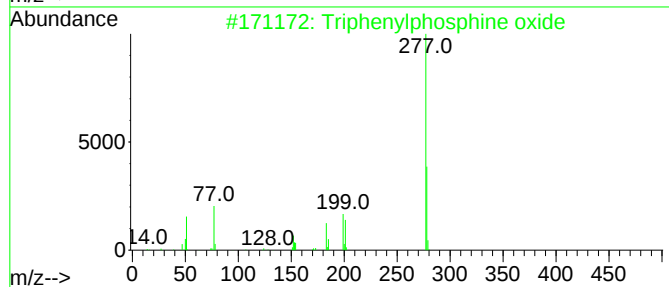
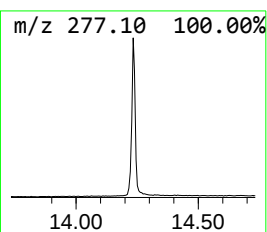
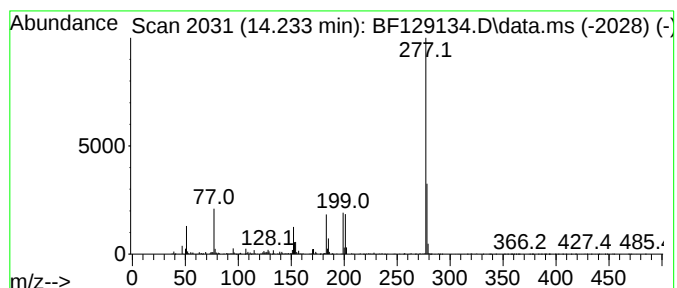
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TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Triphenylphosphine oxide Concentration Rank 2

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 14.233 | 7.13 ng | 670566 | Chrysene-d12     | 14.139 |

| Hit# | of | 5 | Tentative ID                         | MW  | MolForm     | CAS#         | Qual |
|------|----|---|--------------------------------------|-----|-------------|--------------|------|
| 1    |    |   | Triphenylphosphine oxide             | 278 | C18H15OP    | 000791-28-6  | 96   |
| 2    |    |   | (E)-7-Benzylidene-1-azabicyclo[3...] | 293 | C15H19NO3S  | 1000483-83-4 | 91   |
| 3    |    |   | (Carbethoxymethyl)-triphenylphos...  | 428 | C22H22BrO2P | 001530-45-6  | 42   |
| 4    |    |   | Formaldehyde, (triphenylphosphor...  | 304 | C19H17N2P   | 015990-54-2  | 40   |
| 5    |    |   | 3-(3,4-Dichlorophenyl)-2-thioxo-...  | 277 | C9H5Cl2NOS2 | 017046-34-3  | 32   |



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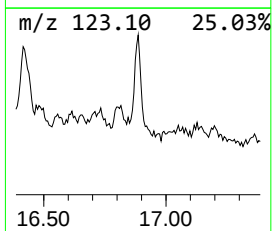
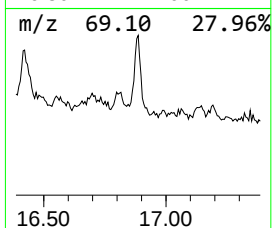
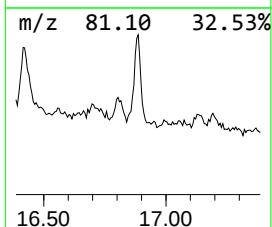
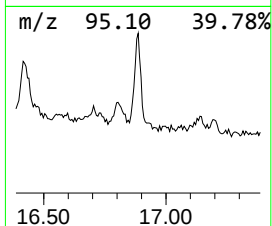
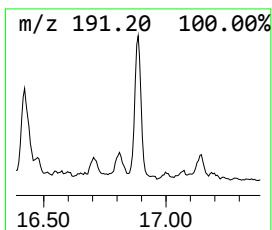
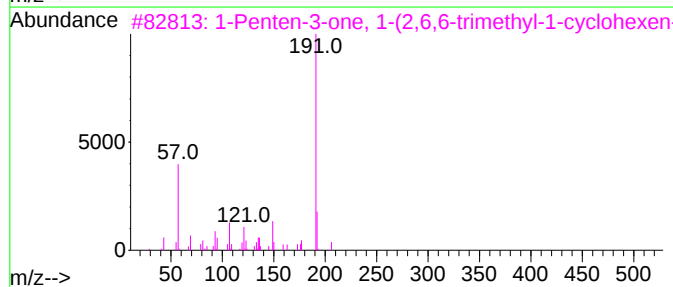
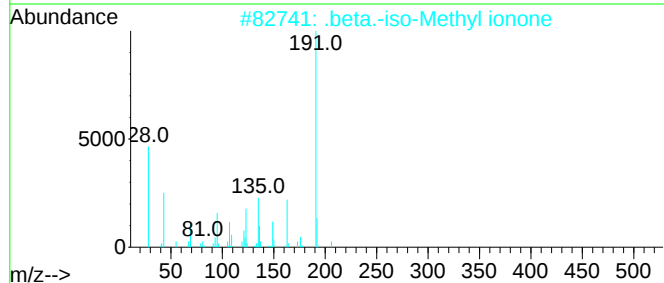
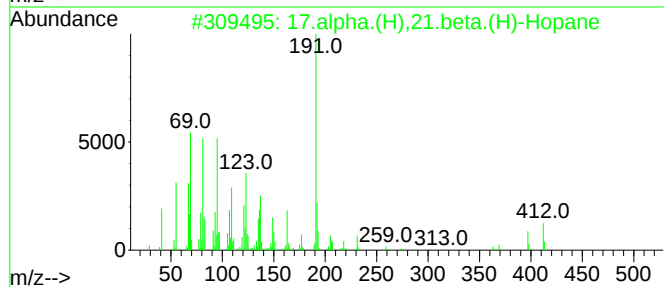
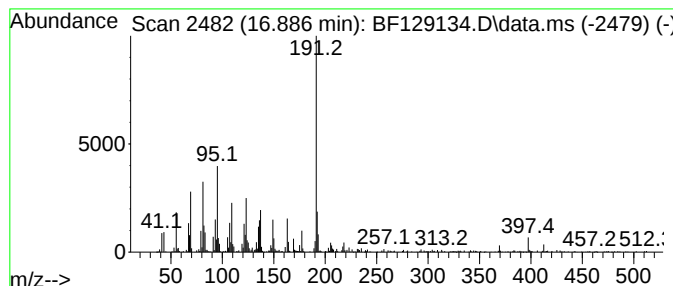
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TIC Library : C:\Database\NIST20.L  
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Peak Number 3 17.alpha.(H),21.beta.(H)-Ho... Concentration Rank 1

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|--------|------------------|--------------|------|
| 16.886    | 11.99 ng                            | 973715 | Perylene-d12     | 15.669       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#         | Qual |
| 1         | 17.alpha.(H),21.beta.(H)-Hopane     | 412    | C30H52           | 013849-96-2  | 90   |
| 2         | .beta.-iso-Methyl ionone            | 206    | C14H22O          | 1000285-40-2 | 53   |
| 3         | 1-Penten-3-one, 1-(2,6,6-trimeth... | 206    | C14H22O          | 000127-43-5  | 50   |
| 4         | 2,4,5,5,8a-Pentamethyl-6,7,8,8a-... | 206    | C14H22O          | 1000195-40-9 | 47   |
| 5         | 28-Nor-17.alpha.(H)-hopane          | 398    | C29H50           | 053584-60-4  | 38   |



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TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |         |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|---------|------|
|                    |        |         |       |          | #                     | RT     | Resp    | Conc |
| n-Hexadecanoic ... | 11.998 | 2.1     | ng    | 248903   | 4                     | 11.492 | 2408590 | 20.0 |
| Triphenylphosph... | 14.233 | 7.1     | ng    | 670566   | 5                     | 14.139 | 1879860 | 20.0 |
| 17.alpha.(H),21... | 16.886 | 12.0    | ng    | 973715   | 6                     | 15.669 | 1624850 | 20.0 |