

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF013120\  
 Data File : BF118784.D  
 Acq On : 31 Jan 2020 16:17  
 Operator : CG/JU  
 Sample : L1325-07  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 72-11976

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-BF012020.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|--------|----------|------------|----------|-----------|-------|-------------|------------|--------------|------------|
| 1      | 2.116    | 3          | 5        | 16        | rVB   | 503074      | 591366     | 9.04%        | 1.138%     |
| 2      | 2.222    | 19         | 23       | 30        | rVB   | 76485       | 97227      | 1.49%        | 0.187%     |
| 3      | 5.045    | 497        | 503      | 509       | rBV   | 128923      | 161780     | 2.47%        | 0.311%     |
| 4      | 5.451    | 566        | 572      | 575       | rBV   | 4742992     | 5008010    | 76.59%       | 9.639%     |
| 5      | 6.457    | 737        | 743      | 750       | rBV   | 4796841     | 5351970    | 81.85%       | 10.301%    |
| 6      | 6.822    | 802        | 805      | 809       | rBV   | 1757463     | 1619022    | 24.76%       | 3.116%     |
| 7      | 6.981    | 828        | 832      | 836       | rBV   | 4582043     | 4361913    | 66.71%       | 8.395%     |
| 8      | 7.386    | 895        | 901      | 904       | rBV   | 3488563     | 3490823    | 53.38%       | 6.719%     |
| 9      | 8.110    | 1019       | 1024     | 1027      | rBV   | 2290861     | 2186023    | 33.43%       | 4.207%     |
| 10     | 9.186    | 1201       | 1207     | 1210      | rBV   | 7059446     | 6539011    | 100.00%      | 12.586%    |
| 11     | 9.575    | 1269       | 1273     | 1276      | rBV   | 971289      | 725394     | 11.09%       | 1.396%     |
| 12     | 9.863    | 1317       | 1322     | 1325      | rBV   | 3221210     | 2673268    | 40.88%       | 5.145%     |
| 13     | 10.651   | 1451       | 1456     | 1459      | rBV   | 5059543     | 4553714    | 69.64%       | 8.764%     |
| 14     | 11.345   | 1570       | 1574     | 1578      | rBV   | 3077417     | 2594705    | 39.68%       | 4.994%     |
| 15     | 11.874   | 1660       | 1664     | 1676      | rBV   | 444436      | 477252     | 7.30%        | 0.919%     |
| 16     | 12.657   | 1794       | 1797     | 1804      | rBV   | 63648       | 75014      | 1.15%        | 0.144%     |
| 17     | 12.933   | 1839       | 1844     | 1847      | rBV   | 5957124     | 5810320    | 88.86%       | 11.183%    |
| 18     | 13.827   | 1992       | 1996     | 2007      | rBV   | 802558      | 967256     | 14.79%       | 1.862%     |
| 19     | 13.980   | 2018       | 2022     | 2026      | rBV   | 1893910     | 1679680    | 25.69%       | 3.233%     |
| 20     | 14.457   | 2099       | 2103     | 2111      | rBV3  | 101950      | 144248     | 2.21%        | 0.278%     |
| 21     | 14.762   | 2151       | 2155     | 2158      | rVB   | 112015      | 120806     | 1.85%        | 0.233%     |
| 22     | 14.833   | 2164       | 2167     | 2173      | rVB   | 159819      | 159788     | 2.44%        | 0.308%     |
| 23     | 15.092   | 2207       | 2211     | 2215      | rBV   | 143121      | 174533     | 2.67%        | 0.336%     |
| 24     | 15.433   | 2263       | 2269     | 2273      | rBV   | 1459423     | 1799701    | 27.52%       | 3.464%     |
| 25     | 15.468   | 2273       | 2275     | 2283      | rVB   | 135359      | 165827     | 2.54%        | 0.319%     |
| 26     | 15.904   | 2343       | 2349     | 2353      | rBV   | 101902      | 164315     | 2.51%        | 0.316%     |
| 27     | 15.957   | 2353       | 2358     | 2363      | rBV2  | 64735       | 127009     | 1.94%        | 0.244%     |
| 28     | 16.398   | 2428       | 2433     | 2445      | rVB3  | 58619       | 136692     | 2.09%        | 0.263%     |

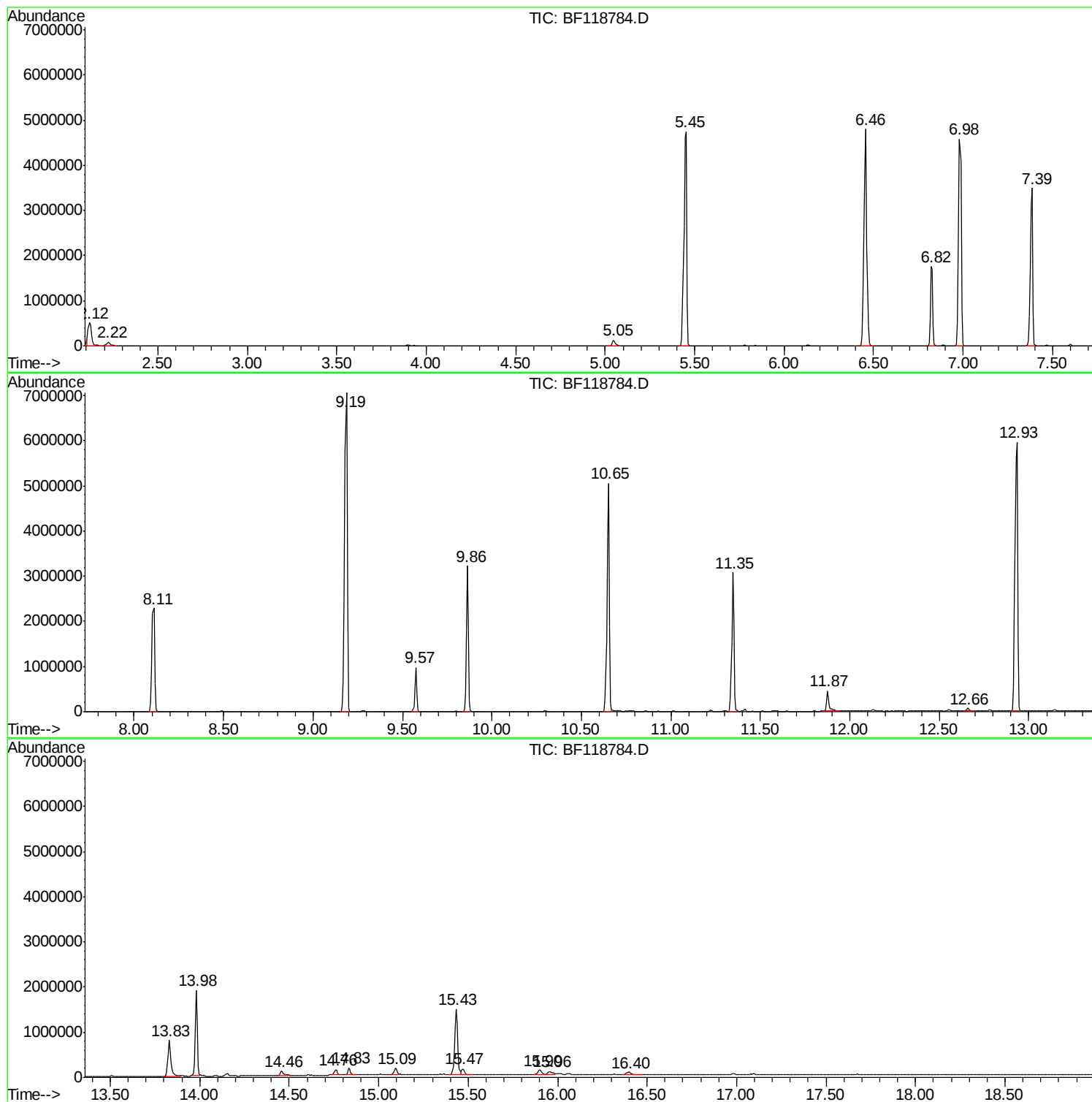
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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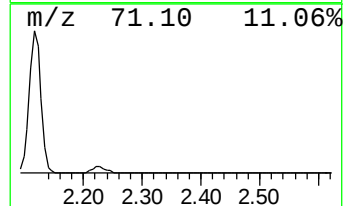
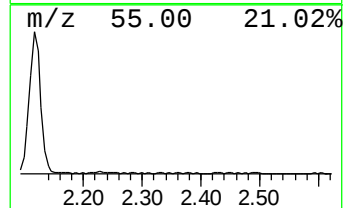
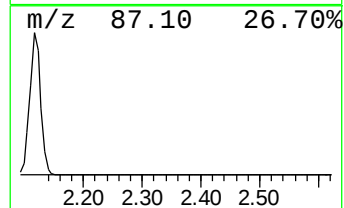
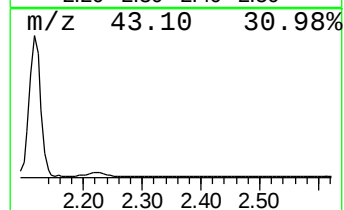
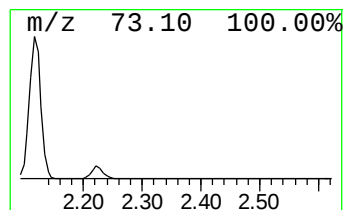
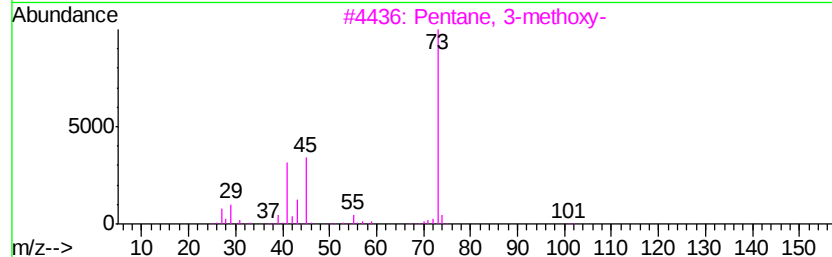
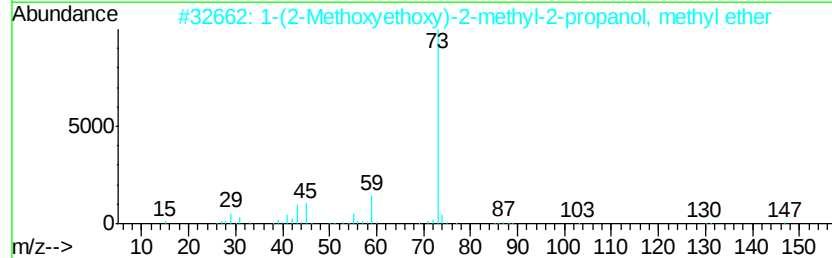
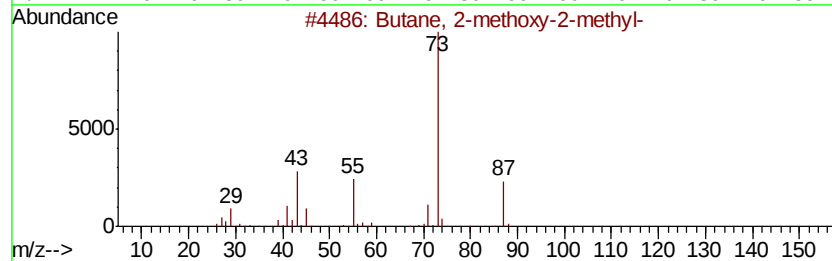
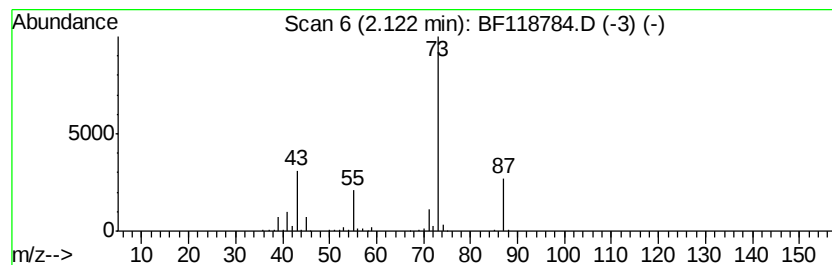
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 2.12 | 7.31 ng | 591366 | 1,4-Dichlorobenzene-d4 | 6.83 |

| Hit# | of | Tentative ID                            | MW  | MolForm | CAS#         | Qual |
|------|----|-----------------------------------------|-----|---------|--------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl-             | 102 | C6H14O  | 000994-05-8  | 72   |
| 2    |    | 1-(2-Methoxyethoxy)-2-methyl-2-propanol | 162 | C8H18O3 | 1000364-24-4 | 25   |
| 3    |    | Pentane, 3-methoxy-                     | 102 | C6H14O  | 036839-67-5  | 23   |
| 4    |    | Silane, tetramethyl-                    | 88  | C4H12Si | 000075-76-3  | 17   |
| 5    |    | N-Ethylformamide                        | 73  | C3H7NO  | 000627-45-2  | 9    |



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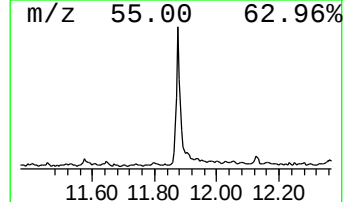
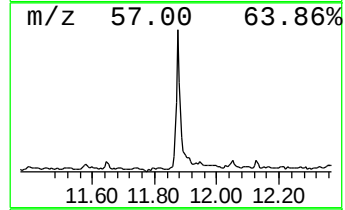
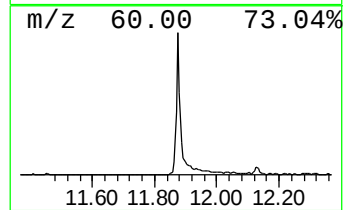
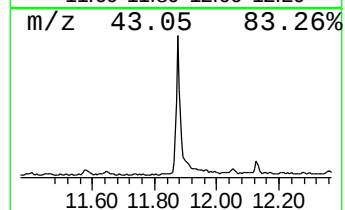
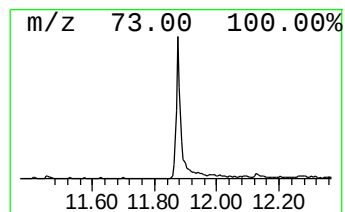
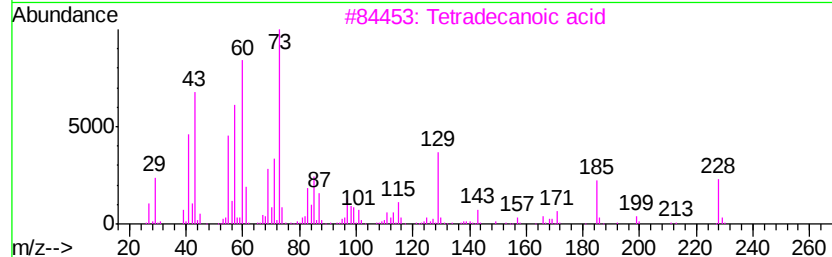
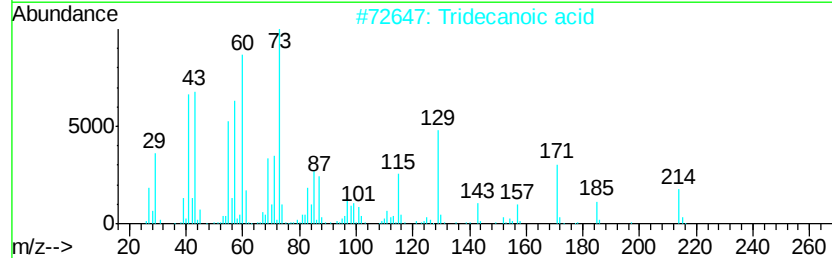
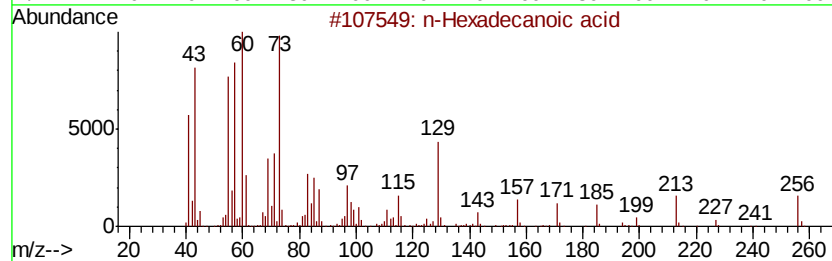
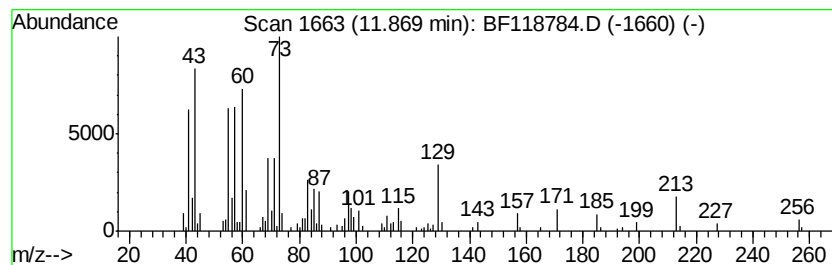
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Peak Number 3 n-Hexadecanoic acid Concentration Rank 4

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 11.87 | 3.68 ng | 477252 | Phenanthrene-d10 | 11.35 |

| Hit# | of | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---------------------|-----|----------|-------------|------|
| 1    | 5  | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99   |
| 2    |    | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 94   |
| 3    |    | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 93   |
| 4    |    | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 90   |
| 5    |    | n-Decanoic acid     | 172 | C10H20O2 | 000334-48-5 | 76   |



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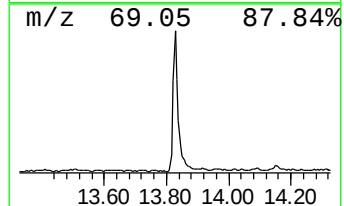
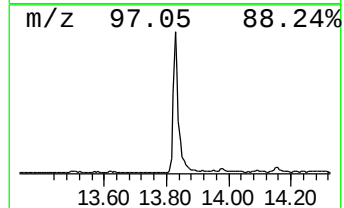
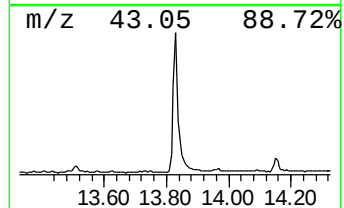
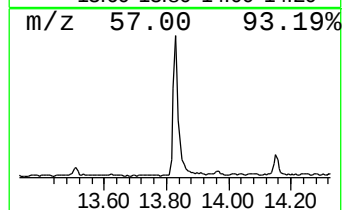
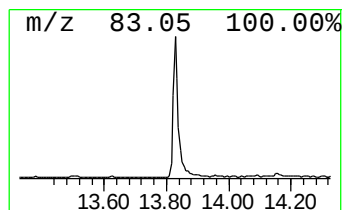
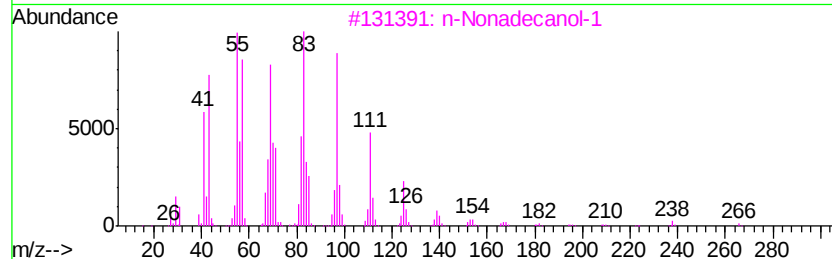
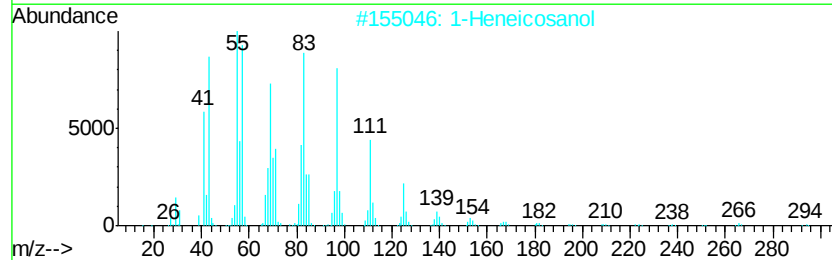
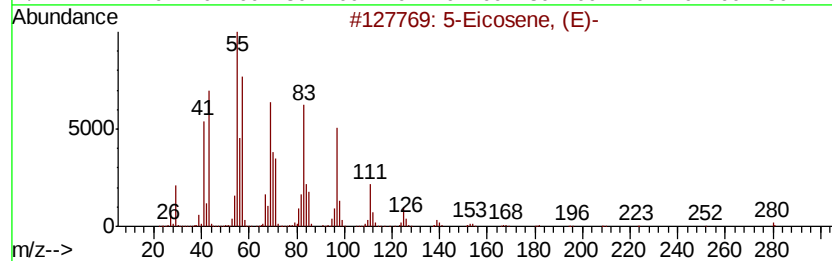
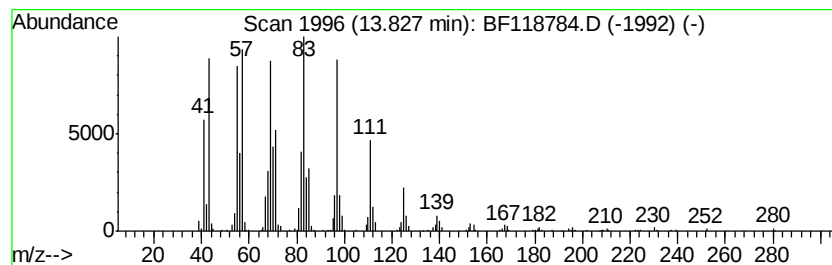
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 TIC Integration Parameters: LSCINT.P

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 Peak Number 4 5-Eicosene, (E)- Concentration Rank 2

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 13.83 | 11.52 ng | 967256 | Chrysene-d12     | 13.98 |

| Hit# of | 5                | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|------------------|--------------|-----|---------|-------------|------|
| 1       | 5-Eicosene, (E)- |              | 280 | C20H40  | 074685-30-6 | 99   |
| 2       | 1-Heneicosanol   |              | 312 | C21H44O | 015594-90-8 | 95   |
| 3       | n-Nonadecanol-1  |              | 284 | C19H40O | 001454-84-8 | 95   |
| 4       | n-Tetracosanol-1 |              | 354 | C24H50O | 000506-51-4 | 93   |
| 5       | Behenic alcohol  |              | 326 | C22H46O | 000661-19-8 | 93   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| Butane, 2-methoxy... | 2.12  | 7.3     | ng    | 591366   | 1                     | 6.83  | 1619020 | 20.0 |
| n-Hexadecanoic acid  | 11.87 | 3.7     | ng    | 477252   | 4                     | 11.35 | 2594710 | 20.0 |
| 5-Eicosene, (E)-     | 13.83 | 11.5    | ng    | 967256   | 5                     | 13.98 | 1679680 | 20.0 |