

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021318\  
 Data File : BF102968.D  
 Acq On : 13 Feb 2018 18:12  
 Operator : SJ/JU  
 Sample : J1397-05 2X  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CL-01-021218-C

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:\HPCHEM1\BNA\_F\METHODS\8270-BF020318.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         | 5.087       | 507           | 510         | 519          | rVB      | 39741          | 43565         | 2.05%           | 0.215%        |
| 2         | 5.487       | 574           | 578         | 590          | rBV      | 1847818        | 1720189       | 81.05%          | 8.498%        |
| 3         | 6.498       | 745           | 750         | 761          | rBV      | 2160989        | 2024271       | 95.37%          | 10.000%       |
| 4         | 6.639       | 770           | 774         | 778          | rBV      | 2284999        | 1899742       | 89.50%          | 9.385%        |
| 5         | 6.875       | 810           | 814         | 817          | rBV      | 1222311        | 1029573       | 48.51%          | 5.086%        |
| 6         | 7.028       | 836           | 840         | 844          | rBV      | 1558410        | 1265020       | 59.60%          | 6.249%        |
| 7         | 7.434       | 905           | 909         | 912          | rBV      | 1429474        | 1161273       | 54.71%          | 5.737%        |
| 8         | 8.157       | 1028          | 1032        | 1035         | rBV      | 1594992        | 1326537       | 62.50%          | 6.553%        |
| 9         | 9.228       | 1210          | 1214        | 1217         | rBV      | 2622593        | 2122507       | 100.00%         | 10.485%       |
| 10        | 9.304       | 1224          | 1227        | 1230         | rBV      | 43804          | 35498         | 1.67%           | 0.175%        |
| 11        | 9.622       | 1278          | 1281        | 1284         | rBV      | 123309         | 111852        | 5.27%           | 0.553%        |
| 12        | 9.833       | 1309          | 1317        | 1320         | rBV2     | 113212         | 112228        | 5.29%           | 0.554%        |
| 13        | 9.910       | 1326          | 1330        | 1334         | rBV2     | 1521512        | 1322256       | 62.30%          | 6.532%        |
| 14        | 10.151      | 1369          | 1371        | 1375         | rVB2     | 24496          | 25988         | 1.22%           | 0.128%        |
| 15        | 10.333      | 1399          | 1402        | 1404         | rVB      | 116972         | 90811         | 4.28%           | 0.449%        |
| 16        | 10.551      | 1435          | 1439        | 1441         | rBV      | 34042          | 34285         | 1.62%           | 0.169%        |
| 17        | 10.698      | 1460          | 1464        | 1470         | rVB      | 1397756        | 1207296       | 56.88%          | 5.964%        |
| 18        | 10.804      | 1479          | 1482        | 1491         | rVB      | 99964          | 122162        | 5.76%           | 0.603%        |
| 19        | 11.251      | 1555          | 1558        | 1560         | rBV      | 50053          | 39490         | 1.86%           | 0.195%        |
| 20        | 11.280      | 1560          | 1563        | 1570         | rVB3     | 35589          | 48621         | 2.29%           | 0.240%        |
| 21        | 11.345      | 1570          | 1574        | 1579         | rBV      | 22218          | 28421         | 1.34%           | 0.140%        |
| 22        | 11.398      | 1579          | 1583        | 1594         | rBV      | 1279111        | 1156042       | 54.47%          | 5.711%        |
| 23        | 11.910      | 1668          | 1670        | 1675         | rVB6     | 22380          | 26860         | 1.27%           | 0.133%        |
| 24        | 12.321      | 1738          | 1740        | 1745         | rBV6     | 19186          | 28080         | 1.32%           | 0.139%        |
| 25        | 12.468      | 1762          | 1765        | 1766         | rBV2     | 29544          | 25068         | 1.18%           | 0.124%        |
| 26        | 12.839      | 1826          | 1828        | 1831         | rBV2     | 47039          | 44016         | 2.07%           | 0.217%        |
| 27        | 12.980      | 1848          | 1852        | 1855         | rBV      | 1734911        | 1526306       | 71.91%          | 7.540%        |
| 28        | 13.863      | 1999          | 2002        | 2005         | rBV      | 144013         | 148454        | 6.99%           | 0.733%        |
| 29        | 14.039      | 2028          | 2032        | 2035         | rBV      | 895347         | 855607        | 40.31%          | 4.227%        |
| 30        | 15.515      | 2279          | 2283        | 2289         | rVB      | 532302         | 661239        | 31.15%          | 3.266%        |

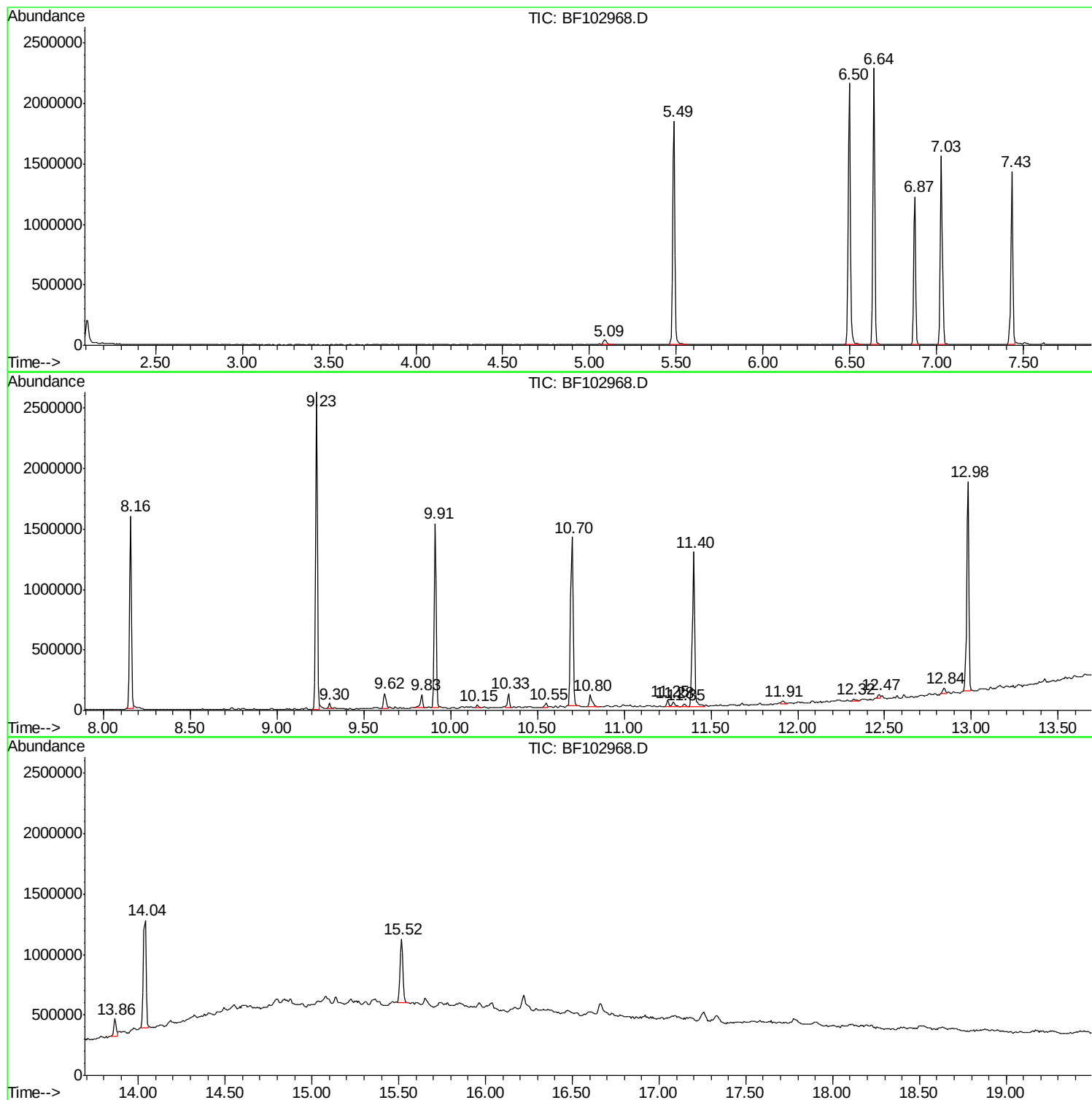
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ClientSampleId :  
CL-01-021218-C

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF020318.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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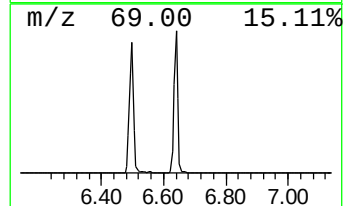
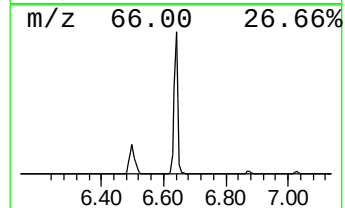
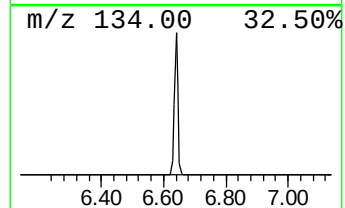
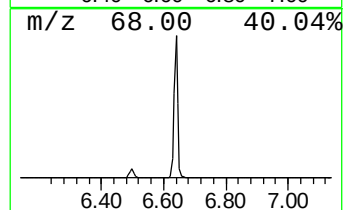
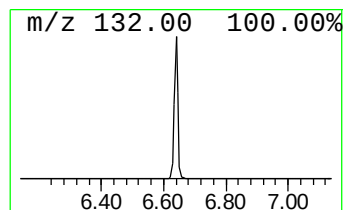
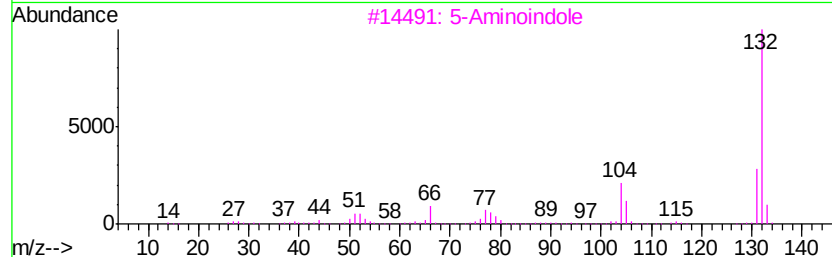
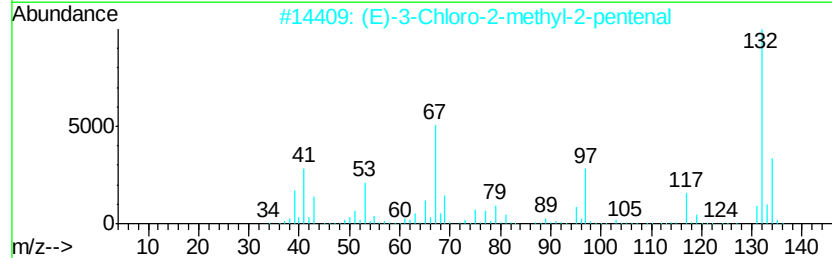
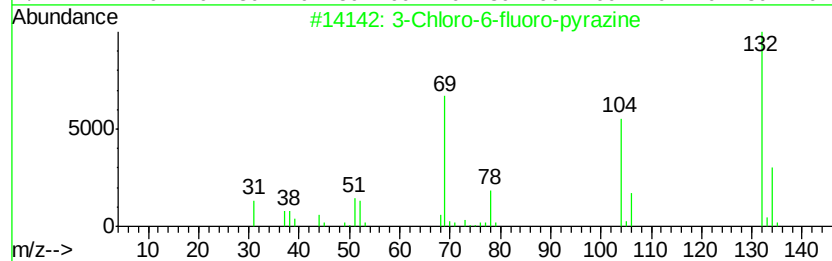
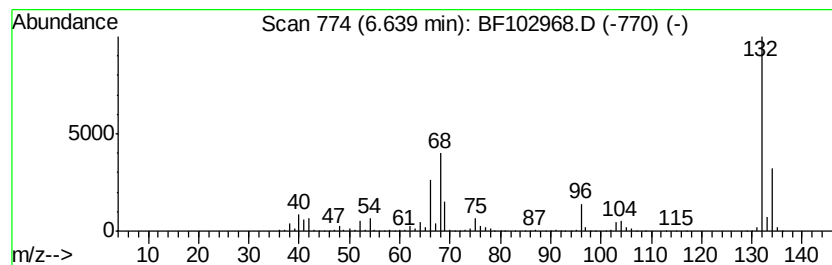
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 unknown6.64 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.64 | 36.90 ng | 1899740 | 1,4-Dichlorobenzene-d4 | 6.87 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | (E)-3-Chloro-2-methyl-2-pentenal    | 132 | C6H9ClO   | 031357-76-3  | 16   |
| 3    |    | 5-Aminoindole                       | 132 | C8H8N2    | 005192-03-0  | 12   |
| 4    |    | Tranylcypromine-propionyl           | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 5    |    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12    | 028749-81-7  | 9    |



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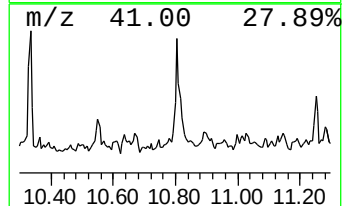
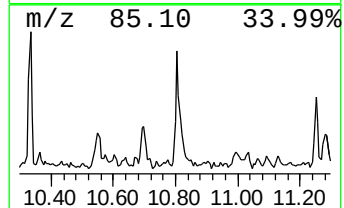
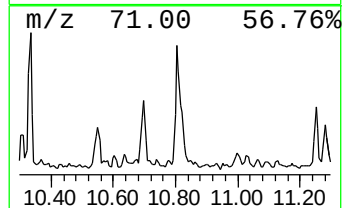
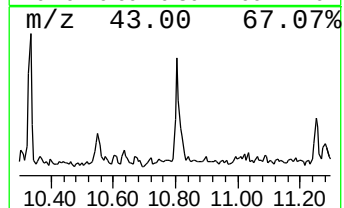
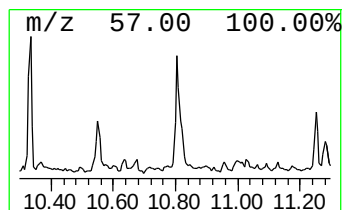
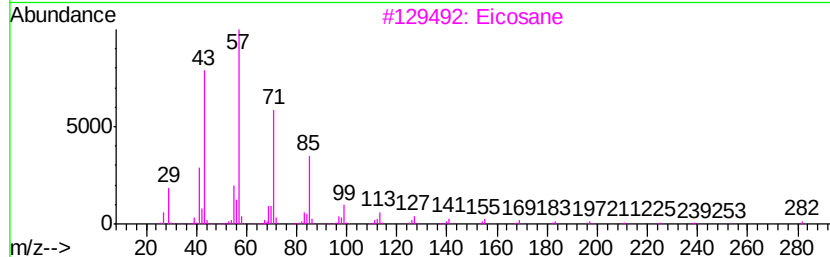
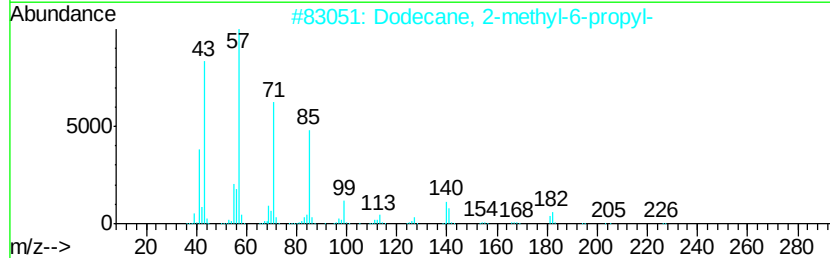
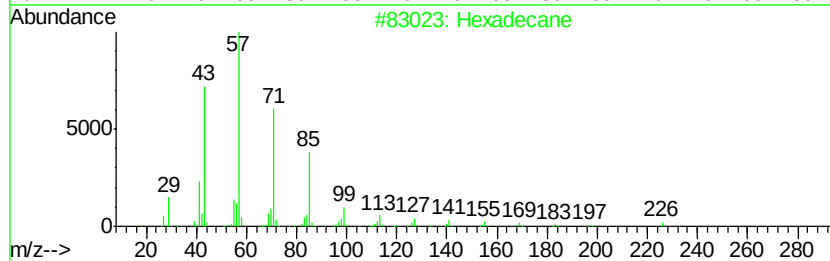
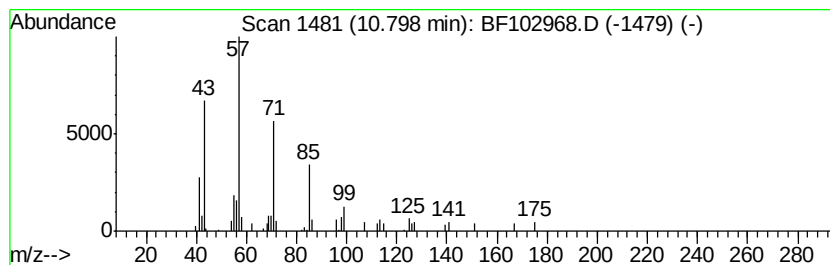
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Peak Number 3 Hexadecane Concentration Rank 4

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|--------|------------------|--------------|------|
| 10.80     | 2.11 ng                             | 122162 | Phenanthrene-d10 | 11.40        |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#         | Qual |
| 1         | Hexadecane                          | 226    | C16H34           | 000544-76-3  | 90   |
| 2         | Dodecane, 2-methyl-6-propyl-        | 226    | C16H34           | 055045-08-4  | 90   |
| 3         | Eicosane                            | 282    | C20H42           | 000112-95-8  | 86   |
| 4         | Tetradecane                         | 198    | C14H30           | 000629-59-4  | 86   |
| 5         | Sulfurous acid, butyl dodecyl ester | 306    | C16H34O3S        | 1000309-17-9 | 83   |



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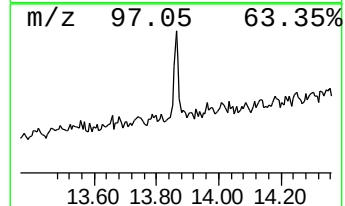
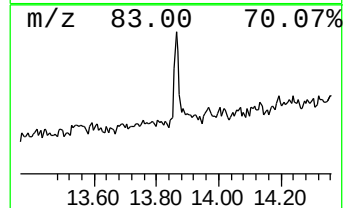
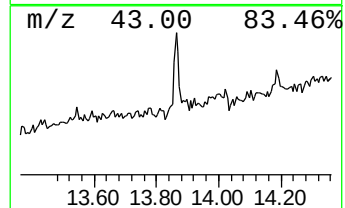
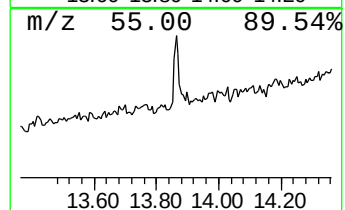
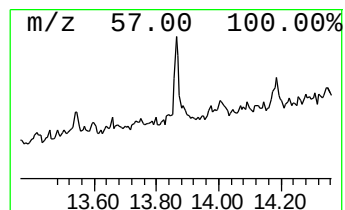
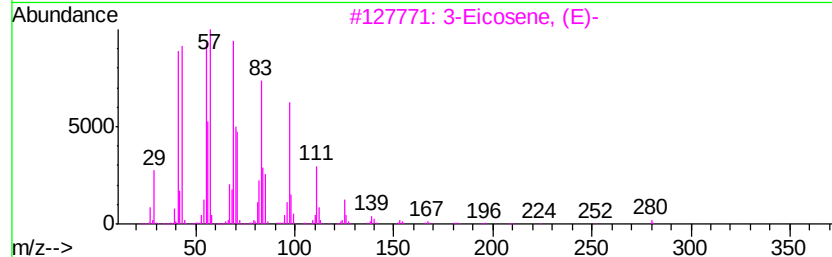
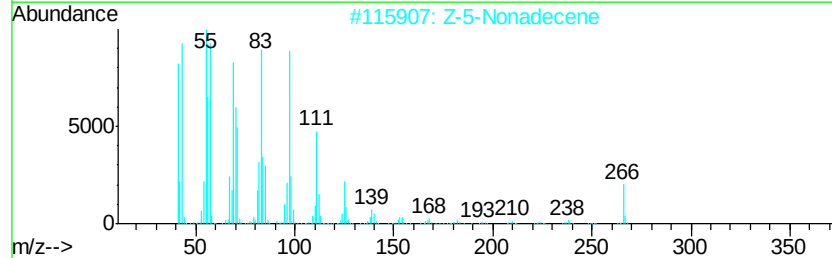
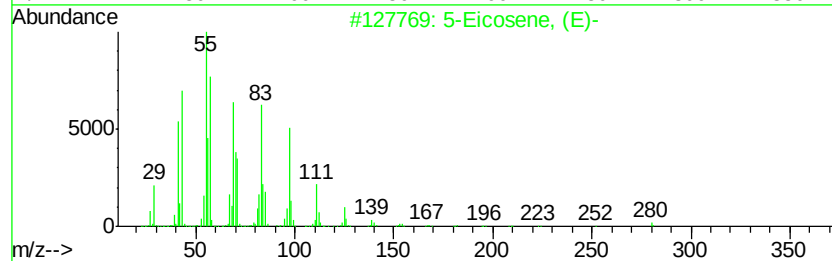
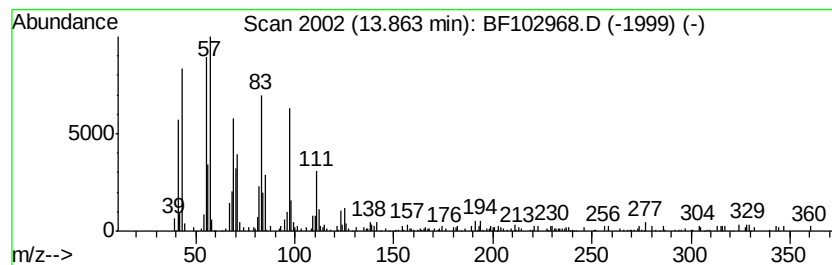
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Peak Number 4 5-Eicosene, (E)- Concentration Rank 3

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 13.86 | 3.47 ng | 148454 | Chrysene-d12     | 14.04 |

| Hit# of | 5                | Tentative ID | MW  | MolForm | CAS#         | Qual |
|---------|------------------|--------------|-----|---------|--------------|------|
| 1       | 5-Eicosene, (E)- |              | 280 | C20H40  | 074685-30-6  | 96   |
| 2       | Z-5-Nonadecene   |              | 266 | C19H38  | 1000131-11-8 | 95   |
| 3       | 3-Eicosene, (E)- |              | 280 | C20H40  | 074685-33-9  | 95   |
| 4       | 9-Eicosene, (E)- |              | 280 | C20H40  | 074685-29-3  | 93   |
| 5       | 1-Docosene       |              | 308 | C22H44  | 001599-67-3  | 93   |



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| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                  |       |         |       |          | #                     | RT    | Resp    | Conc |
| unknown6.64      | 6.64  | 36.9    | ng    | 1899740  | 1                     | 6.87  | 1029570 | 20.0 |
| Hexadecane       | 10.80 | 2.1     | ng    | 122162   | 4                     | 11.40 | 1156040 | 20.0 |
| 5-Eicosene, (E)- | 13.86 | 3.5     | ng    | 148454   | 5                     | 14.04 | 855607  | 20.0 |