

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\  
 Data File : BF117534.D  
 Acq On : 25 Oct 2019 14:26  
 Operator : JU  
 Sample : K5502-13  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 178-60-(0-2.1)

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-BF101819.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         | 5.351       | 552           | 555         | 575          | rBV      | 409499         | 513529        | 26.35%          | 2.856%        |
| 2         | 5.557       | 587           | 590         | 601          | rBV      | 36501          | 48546         | 2.49%           | 0.270%        |
| 3         | 6.381       | 726           | 730         | 739          | rBV      | 480053         | 573972        | 29.45%          | 3.192%        |
| 4         | 6.440       | 739           | 740         | 747          | rVV2     | 18733          | 25393         | 1.30%           | 0.141%        |
| 5         | 6.504       | 747           | 751         | 758          | rVV      | 654796         | 603986        | 30.99%          | 3.359%        |
| 6         | 6.563       | 758           | 761         | 765          | rVV      | 84142          | 86881         | 4.46%           | 0.483%        |
| 7         | 6.604       | 765           | 768         | 776          | rVB      | 33539          | 34808         | 1.79%           | 0.194%        |
| 8         | 6.728       | 786           | 789         | 798          | rBV      | 228468         | 198781        | 10.20%          | 1.106%        |
| 9         | 6.881       | 812           | 815         | 830          | rBV      | 484388         | 435448        | 22.34%          | 2.422%        |
| 10        | 6.992       | 830           | 834         | 844          | rVB      | 39935          | 47088         | 2.42%           | 0.262%        |
| 11        | 7.292       | 882           | 885         | 892          | rBV      | 345720         | 346771        | 17.79%          | 1.929%        |
| 12        | 7.345       | 892           | 894         | 900          | rVV      | 26195          | 36507         | 1.87%           | 0.203%        |
| 13        | 7.581       | 929           | 934         | 942          | rBV      | 119814         | 133651        | 6.86%           | 0.743%        |
| 14        | 7.763       | 961           | 965         | 968          | rBV2     | 23150          | 25298         | 1.30%           | 0.141%        |
| 15        | 7.810       | 968           | 973         | 981          | rVB      | 50819          | 60277         | 3.09%           | 0.335%        |
| 16        | 8.010       | 1003          | 1007        | 1018         | rBV      | 290576         | 284751        | 14.61%          | 1.584%        |
| 17        | 8.228       | 1041          | 1044        | 1049         | rBV      | 129240         | 115916        | 5.95%           | 0.645%        |
| 18        | 8.281       | 1050          | 1053        | 1063         | rVB      | 130874         | 132875        | 6.82%           | 0.739%        |
| 19        | 8.716       | 1122          | 1127        | 1133         | rBV2     | 51136          | 57238         | 2.94%           | 0.318%        |
| 20        | 8.781       | 1135          | 1138        | 1142         | rBV      | 39865          | 28830         | 1.48%           | 0.160%        |
| 21        | 8.822       | 1142          | 1145        | 1148         | rBV      | 26695          | 19956         | 1.02%           | 0.111%        |
| 22        | 8.892       | 1154          | 1157        | 1160         | rBV      | 26013          | 20773         | 1.07%           | 0.116%        |
| 23        | 9.004       | 1173          | 1176        | 1184         | rBV      | 36558          | 33937         | 1.74%           | 0.189%        |
| 24        | 9.081       | 1185          | 1189        | 1198         | rVB      | 804752         | 647165        | 33.21%          | 3.599%        |
| 25        | 9.234       | 1213          | 1215        | 1219         | rVV2     | 23680          | 25136         | 1.29%           | 0.140%        |
| 26        | 9.481       | 1253          | 1257        | 1261         | rBV      | 123928         | 119400        | 6.13%           | 0.664%        |
| 27        | 9.757       | 1301          | 1304        | 1308         | rBV      | 365970         | 318126        | 16.32%          | 1.769%        |
| 28        | 9.975       | 1338          | 1341        | 1349         | rBV5     | 15874          | 26439         | 1.36%           | 0.147%        |
| 29        | 10.551      | 1436          | 1439        | 1451         | rVB      | 411778         | 386715        | 19.84%          | 2.151%        |
| 30        | 11.245      | 1554          | 1557        | 1559         | rBV      | 353497         | 298539        | 15.32%          | 1.660%        |
| 31        | 11.269      | 1559          | 1561        | 1566         | rVV      | 231593         | 199973        | 10.26%          | 1.112%        |
| 32        | 11.322      | 1568          | 1570        | 1574         | rVB      | 34297          | 33688         | 1.73%           | 0.187%        |
| 33        | 11.492      | 1594          | 1599        | 1604         | rBV2     | 17760          | 32885         | 1.69%           | 0.183%        |
| 34        | 11.580      | 1611          | 1614        | 1615         | rVV3     | 22553          | 24947         | 1.28%           | 0.139%        |

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Instrument :  
 BNA\_F  
 ClientSampleId :  
 178-60-(0-2.1)

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-BF101819.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |        |         |         |         |
|----|--------|------|------|------|------|--------|---------|---------|---------|
| 35 | 11.657 | 1615 | 1627 | 1628 | rVV3 | 87049  | 243553  | 12.50%  | 1.355%  |
| 36 | 11.710 | 1632 | 1636 | 1637 | rVV2 | 184239 | 285004  | 14.62%  | 1.585%  |
| 37 | 11.786 | 1639 | 1649 | 1659 | rVV3 | 637794 | 1712058 | 87.84%  | 9.521%  |
| 38 | 11.857 | 1659 | 1661 | 1664 | rVV  | 49288  | 61419   | 3.15%   | 0.342%  |
| 39 | 11.886 | 1664 | 1666 | 1673 | rVB2 | 23713  | 28566   | 1.47%   | 0.159%  |
| 40 | 12.463 | 1760 | 1764 | 1773 | rBV  | 290898 | 345384  | 17.72%  | 1.921%  |
| 41 | 12.569 | 1774 | 1782 | 1794 | rVV  | 710685 | 1094103 | 56.14%  | 6.085%  |
| 42 | 12.692 | 1797 | 1803 | 1807 | rBV  | 211140 | 242598  | 12.45%  | 1.349%  |
| 43 | 12.827 | 1822 | 1826 | 1830 | rVB  | 648246 | 553002  | 28.37%  | 3.075%  |
| 44 | 12.910 | 1836 | 1840 | 1845 | rVB6 | 15745  | 29913   | 1.53%   | 0.166%  |
| 45 | 13.004 | 1852 | 1856 | 1857 | rBV4 | 14631  | 20814   | 1.07%   | 0.116%  |
| 46 | 13.022 | 1857 | 1859 | 1864 | rVV  | 24785  | 32434   | 1.66%   | 0.180%  |
| 47 | 13.163 | 1868 | 1883 | 1891 | rVV  | 590395 | 1948955 | 100.00% | 10.839% |
| 48 | 13.539 | 1945 | 1947 | 1952 | rVB  | 19767  | 21406   | 1.10%   | 0.119%  |
| 49 | 13.645 | 1962 | 1965 | 1966 | rBV  | 25268  | 22295   | 1.14%   | 0.124%  |
| 50 | 13.669 | 1966 | 1969 | 1973 | rVB3 | 27426  | 41108   | 2.11%   | 0.229%  |
| 51 | 13.745 | 1978 | 1982 | 1990 | rVB2 | 110298 | 201674  | 10.35%  | 1.122%  |
| 52 | 13.886 | 2000 | 2006 | 2009 | rBV2 | 268915 | 363458  | 18.65%  | 2.021%  |
| 53 | 13.951 | 2009 | 2017 | 2024 | rVV2 | 724611 | 1665371 | 85.45%  | 9.262%  |
| 54 | 14.039 | 2028 | 2032 | 2036 | rBV  | 44805  | 47321   | 2.43%   | 0.263%  |
| 55 | 14.345 | 2077 | 2084 | 2088 | rBV2 | 120443 | 165350  | 8.48%   | 0.920%  |
| 56 | 14.380 | 2088 | 2090 | 2093 | rVB4 | 18050  | 20575   | 1.06%   | 0.114%  |
| 57 | 14.557 | 2113 | 2120 | 2126 | rBV  | 560991 | 893323  | 45.84%  | 4.968%  |
| 58 | 14.645 | 2131 | 2135 | 2138 | rVB  | 132282 | 138400  | 7.10%   | 0.770%  |
| 59 | 14.921 | 2178 | 2182 | 2184 | rBV  | 80943  | 106434  | 5.46%   | 0.592%  |
| 60 | 14.963 | 2184 | 2189 | 2196 | rVB2 | 161206 | 248854  | 12.77%  | 1.384%  |
| 61 | 15.027 | 2196 | 2200 | 2204 | rBV  | 20041  | 26526   | 1.36%   | 0.148%  |
| 62 | 15.133 | 2211 | 2218 | 2227 | rBV  | 147857 | 337106  | 17.30%  | 1.875%  |
| 63 | 15.210 | 2227 | 2231 | 2235 | rVB  | 51006  | 61361   | 3.15%   | 0.341%  |
| 64 | 15.268 | 2237 | 2241 | 2245 | rBV  | 62141  | 66338   | 3.40%   | 0.369%  |
| 65 | 15.321 | 2245 | 2250 | 2255 | rBV2 | 253602 | 369302  | 18.95%  | 2.054%  |
| 66 | 15.721 | 2312 | 2318 | 2323 | rBV  | 93716  | 140700  | 7.22%   | 0.782%  |
| 67 | 15.815 | 2327 | 2334 | 2343 | rBV2 | 61578  | 159873  | 8.20%   | 0.889%  |
| 68 | 16.186 | 2392 | 2397 | 2404 | rVB3 | 45551  | 76927   | 3.95%   | 0.428%  |
| 69 | 16.598 | 2463 | 2467 | 2475 | rVB6 | 13594  | 29384   | 1.51%   | 0.163%  |
| 70 | 16.739 | 2484 | 2491 | 2499 | rVB4 | 51174  | 108812  | 5.58%   | 0.605%  |
| 71 | 16.892 | 2514 | 2517 | 2524 | rVB6 | 17967  | 34059   | 1.75%   | 0.189%  |

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Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
178-60-(0-2.1)

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-BF101819.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |       |       |       |        |
|----|--------|------|------|------|------|-------|-------|-------|--------|
| 72 | 17.162 | 2558 | 2563 | 2571 | rBV3 | 26157 | 59007 | 3.03% | 0.328% |
|----|--------|------|------|------|------|-------|-------|-------|--------|

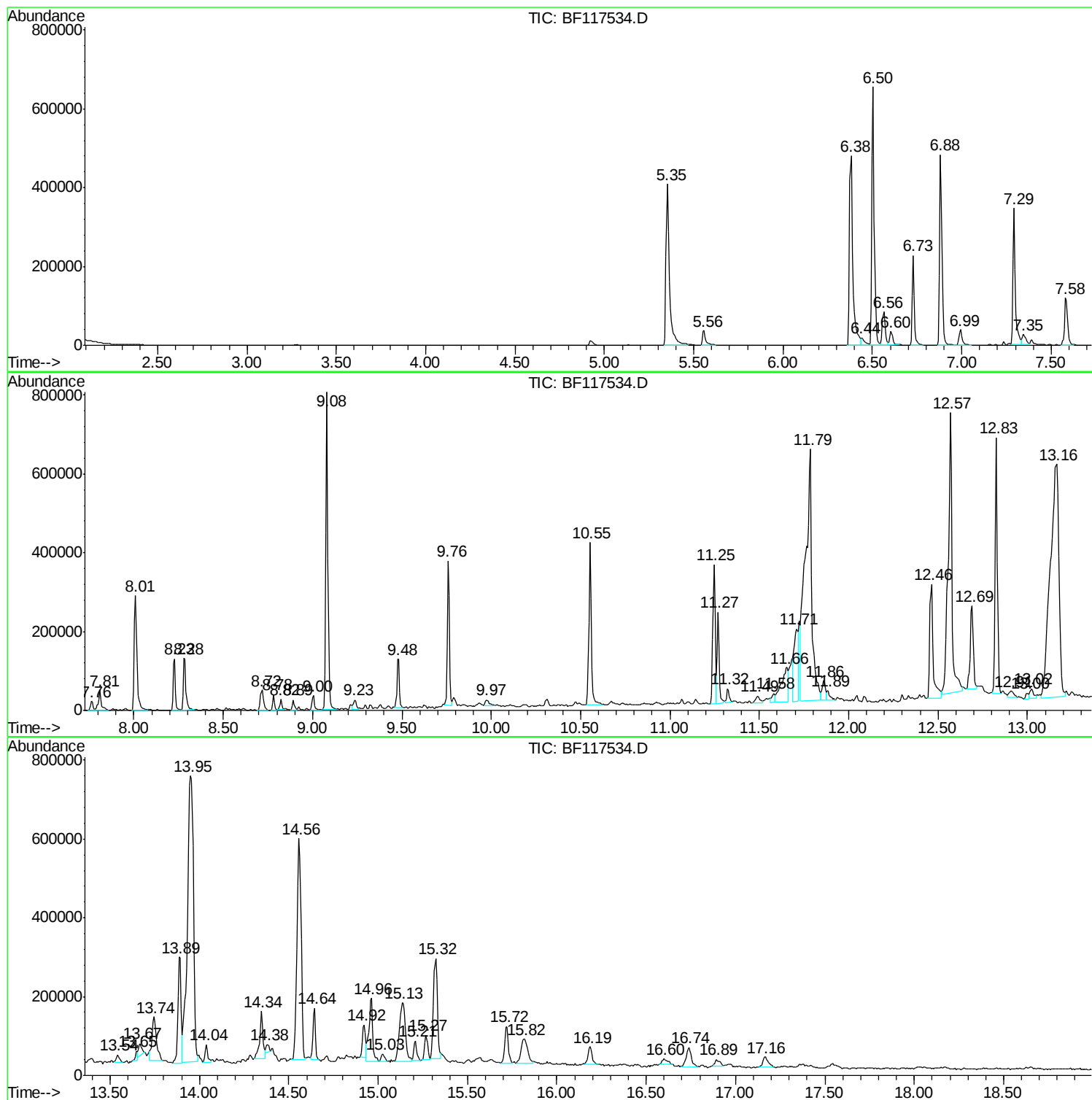
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Data File : BF117534.D  
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Sample : K5502-13  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampled :  
178-60-(0-2.1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\  
Data File : BF117534.D  
Acq On : 25 Oct 2019 14:26  
Operator : JU  
Sample : K5502-13  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
178-60-(0-2.1)

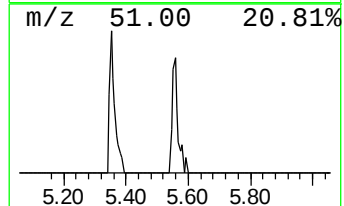
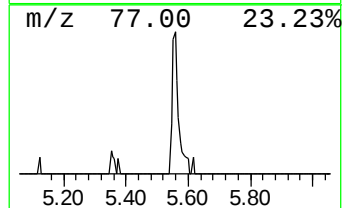
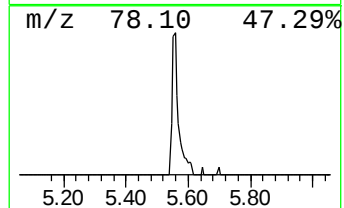
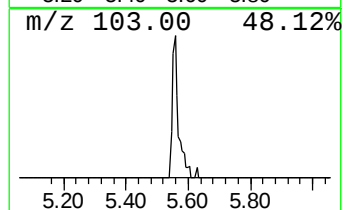
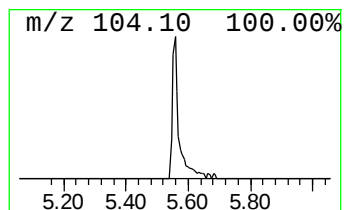
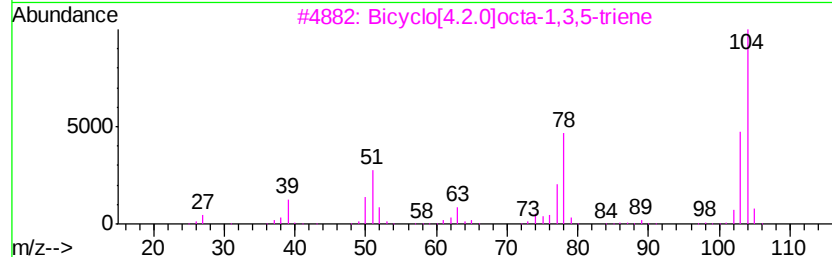
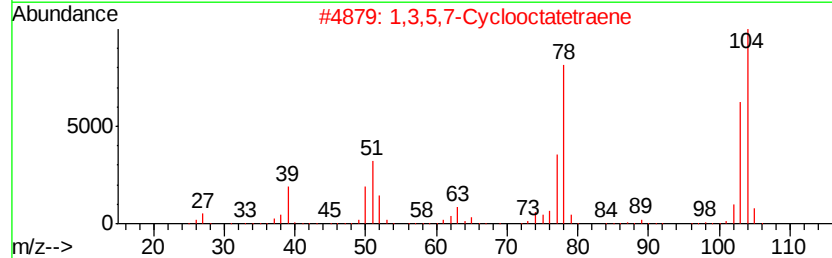
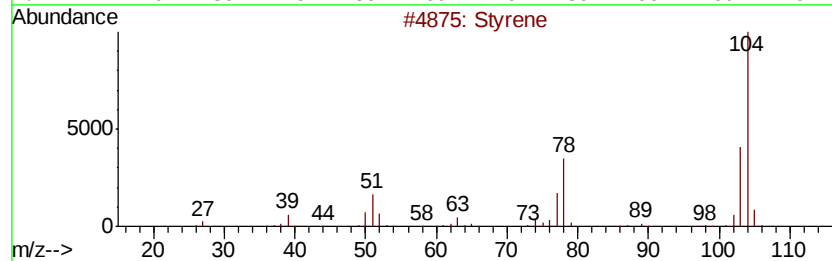
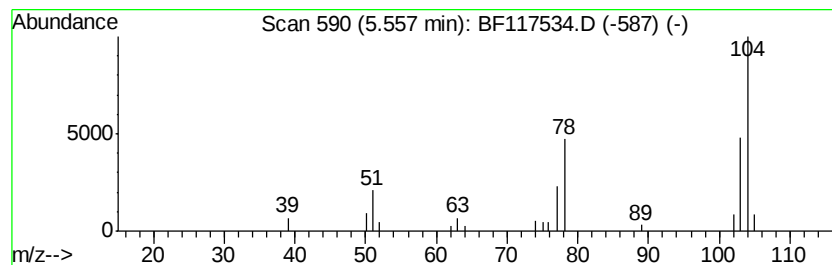
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 Styrene Concentration Rank 19

| R.T. | EstConc | Area  | Relative to ISTD       | R.T. |
|------|---------|-------|------------------------|------|
| 5.56 | 4.88 ng | 48546 | 1,4-Dichlorobenzene-d4 | 6.73 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Styrene                             | 104 | C8H8     | 000100-42-5 | 94   |
| 2    |    |   | 1,3,5,7-Cyclooctatetraene           | 104 | C8H8     | 000629-20-9 | 91   |
| 3    |    |   | Bicyclo[4.2.0]octa-1,3,5-triene     | 104 | C8H8     | 000694-87-1 | 91   |
| 4    |    |   | 3(2H)-Furanone, dihydro-2,2-dime... | 190 | C12H14O2 | 063678-00-2 | 45   |
| 5    |    |   | Butanedioic acid, phenyl-           | 194 | C10H10O4 | 000635-51-8 | 43   |



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Instrument :  
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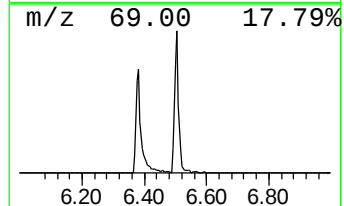
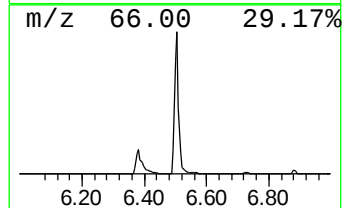
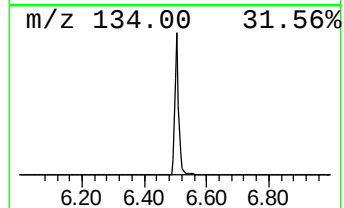
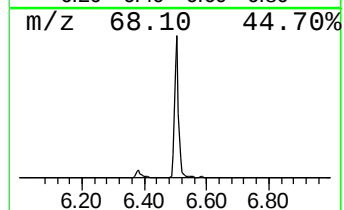
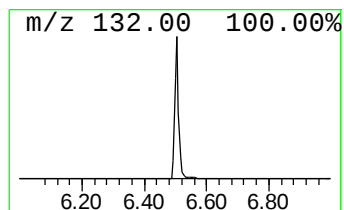
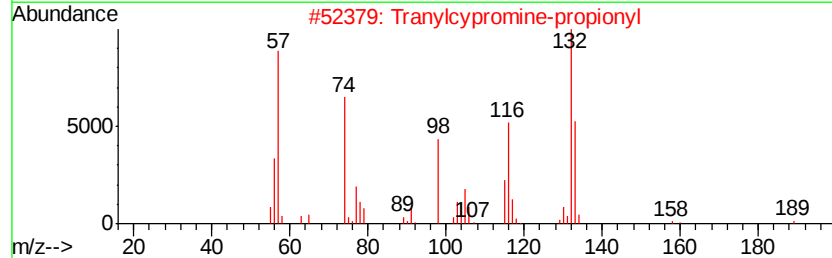
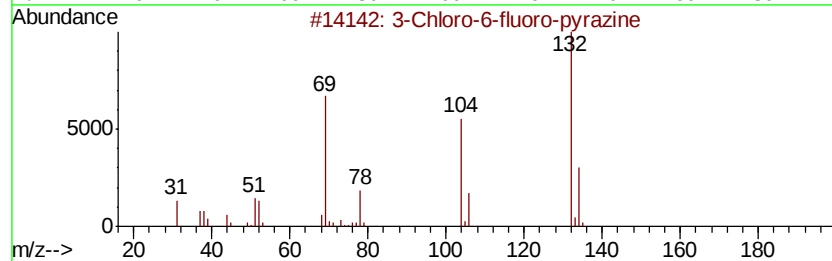
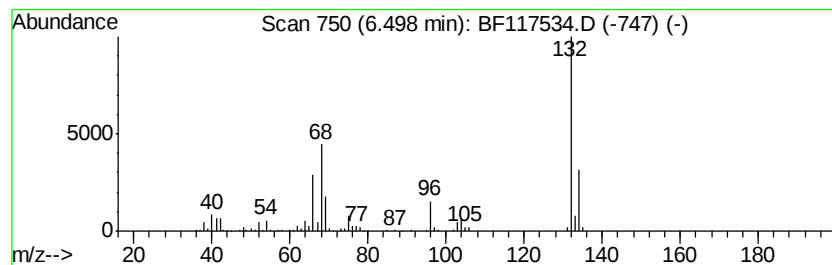
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 2 unknown6.50 Concentration Rank 3

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 6.50 | 60.77 ng | 603986 | 1,4-Dichlorobenzene-d4 | 6.73 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 16   |
| 2    |    | Tranylcypromine-propionyl           | 189 | C12H15NO  | 1000123-86-3 | 12   |
| 3    |    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12    | 028749-81-7  | 9    |
| 4    |    | Xenon                               | 132 | Xe        | 007440-63-3  | 9    |
| 5    |    | 5-Fluoro-2-chloropyrimidine         | 132 | C4H2ClFN2 | 062802-42-0  | 9    |



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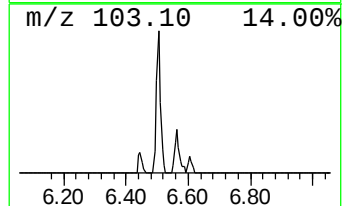
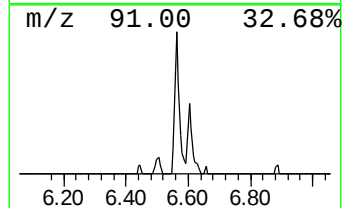
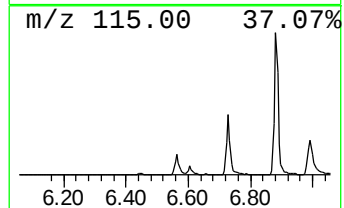
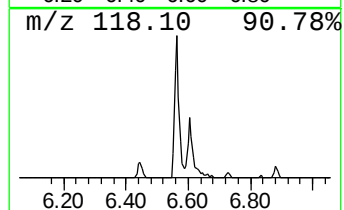
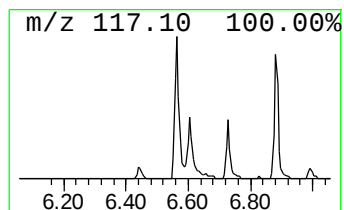
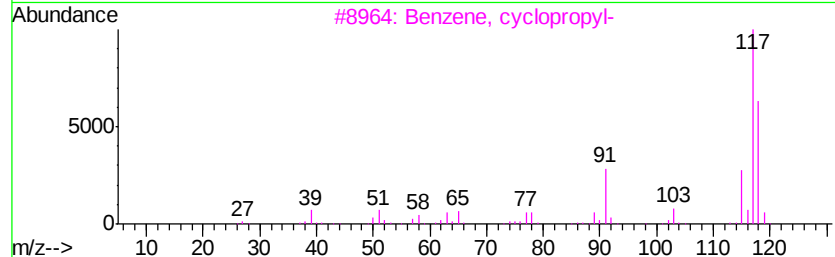
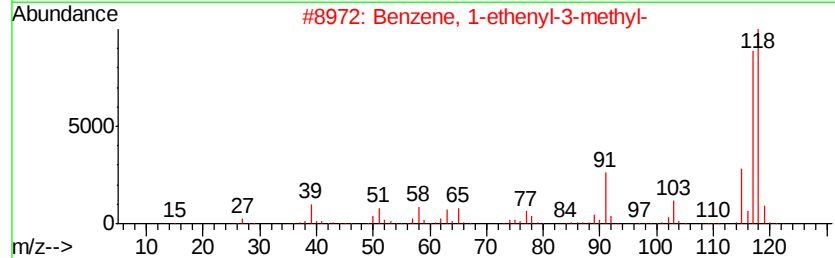
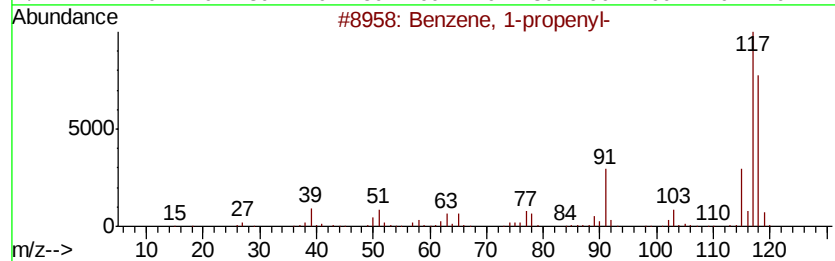
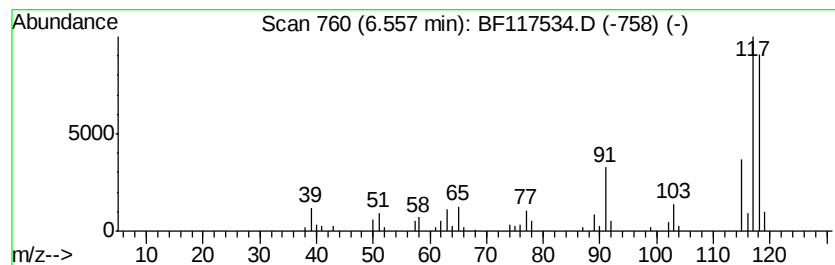
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 3 Benzene, 1-propenyl- Concentration Rank 14

| R.T. | EstConc | Area  | Relative to ISTD       | R.T. |
|------|---------|-------|------------------------|------|
| 6.56 | 8.74 ng | 86881 | 1,4-Dichlorobenzene-d4 | 6.73 |

| Hit# | of | 5 | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-propenyl-         | 118 | C9H10   | 000637-50-3 | 94   |
| 2    |    |   | Benzene, 1-ethenyl-3-methyl- | 118 | C9H10   | 000100-80-1 | 94   |
| 3    |    |   | Benzene, cyclopropyl-        | 118 | C9H10   | 000873-49-4 | 93   |
| 4    |    |   | Benzene, 1-ethenyl-2-methyl- | 118 | C9H10   | 000611-15-4 | 93   |
| 5    |    |   | Benzene, 1-ethenyl-4-methyl- | 118 | C9H10   | 000622-97-9 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\  
Data File : BF117534.D  
Acq On : 25 Oct 2019 14:26  
Operator : JU  
Sample : K5502-13  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
178-60-(0-2.1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

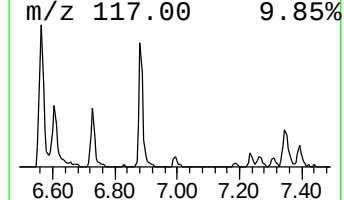
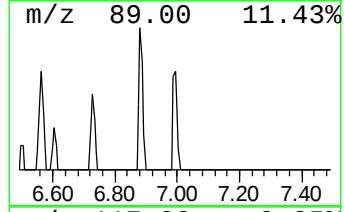
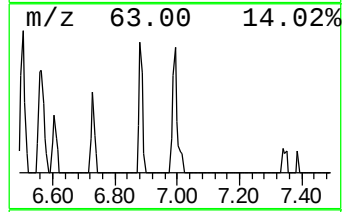
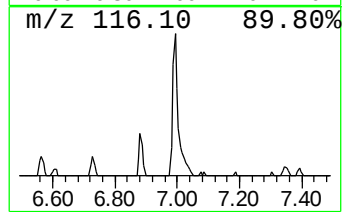
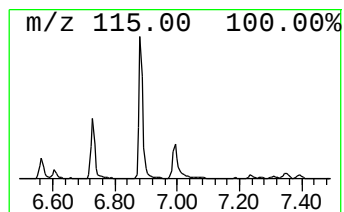
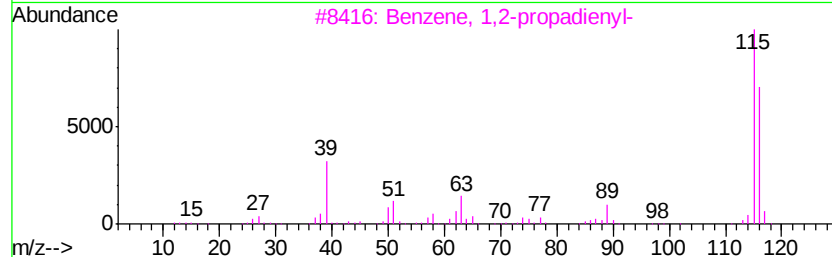
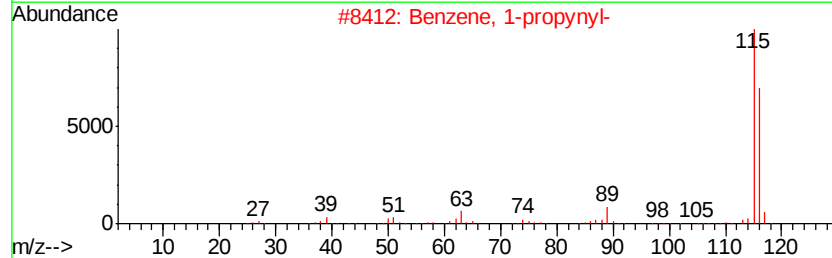
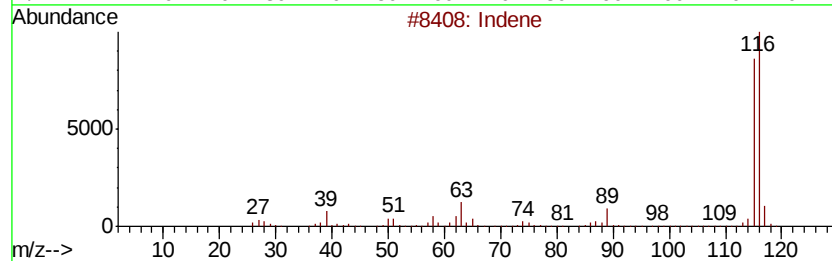
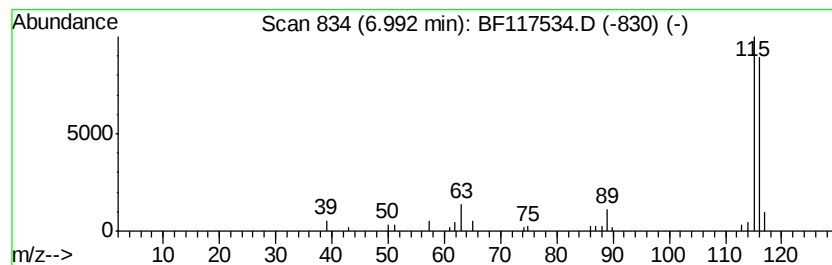
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 Indene Concentration Rank 20

| R.T. | EstConc | Area  | Relative to ISTD       | R.T. |
|------|---------|-------|------------------------|------|
| 6.99 | 4.74 ng | 47088 | 1,4-Dichlorobenzene-d4 | 6.73 |

| Hit# | of | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------------|-----|---------|-------------|------|
| 1    | 5  | Indene                       | 116 | C9H8    | 000095-13-6 | 95   |
| 2    |    | Benzene, 1-propynyl-         | 116 | C9H8    | 000673-32-5 | 94   |
| 3    |    | Benzene, 1,2-propadienyl-    | 116 | C9H8    | 002327-99-3 | 91   |
| 4    |    | 3-Methylphenylacetylene      | 116 | C9H8    | 000766-82-5 | 91   |
| 5    |    | Benzene, 1-ethynyl-4-methyl- | 116 | C9H8    | 000766-97-2 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\  
Data File : BF117534.D  
Acq On : 25 Oct 2019 14:26  
Operator : JU  
Sample : K5502-13  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
178-60-(0-2.1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

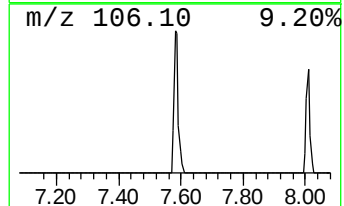
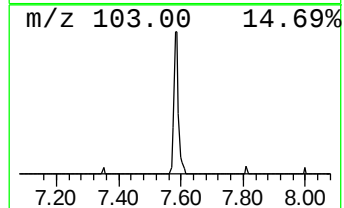
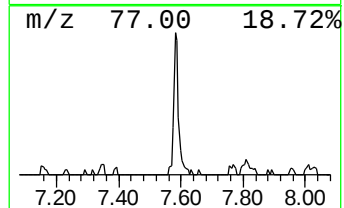
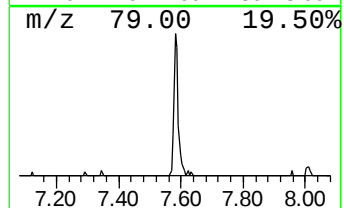
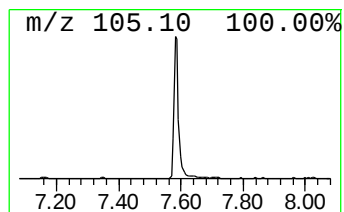
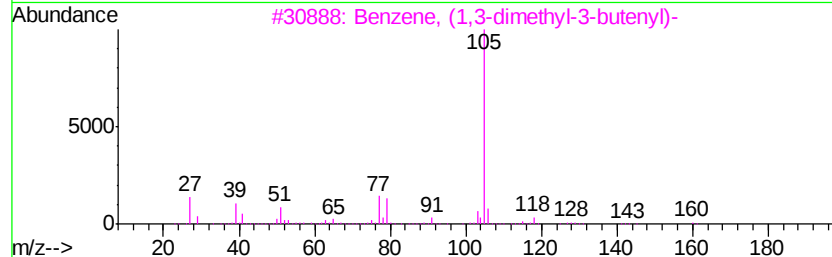
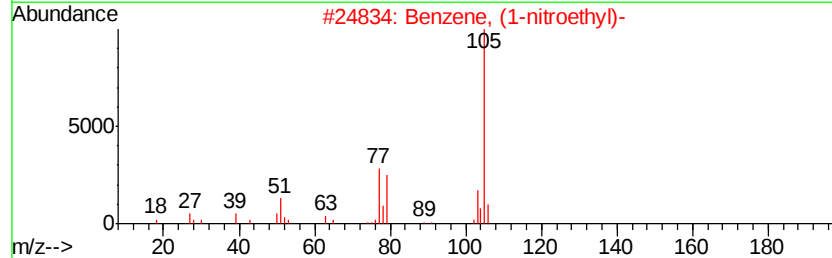
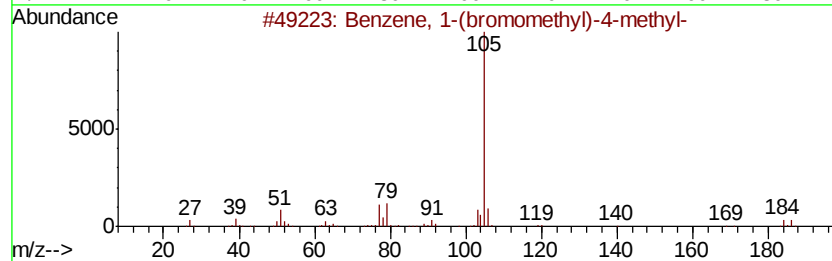
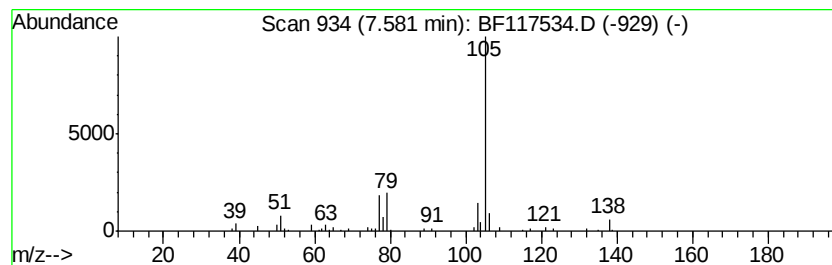
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TIC Integration Parameters: LSCINT.P

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Peak Number 6 Benzene, 1-(bromomethyl)-4-... Concentration Rank 11

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 7.58 | 9.39 ng | 133651 | Napthalene-d8    | 8.01 |

| Hit# | of | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-(bromomethyl)-4-methyl- | 184 | C8H9Br  | 000104-81-4 | 59   |
| 2    |    | Benzene, (1-nitroethyl)-           | 151 | C8H9NO2 | 007214-61-1 | 59   |
| 3    |    | Benzene, (1,3-dimethyl-3-butenvl)- | 160 | C12H16  | 056851-51-5 | 56   |
| 4    |    | Benzene, (1-bromoethyl)-           | 184 | C8H9Br  | 000585-71-7 | 50   |
| 5    |    | Ether, p-methylbenzyl vinyl        | 148 | C10H12O | 026437-10-5 | 40   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\  
Data File : BF117534.D  
Acq On : 25 Oct 2019 14:26  
Operator : JU  
Sample : K5502-13  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
178-60-(0-2.1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

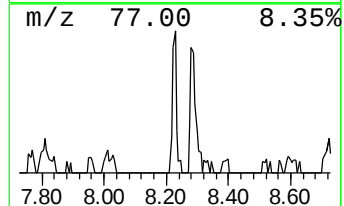
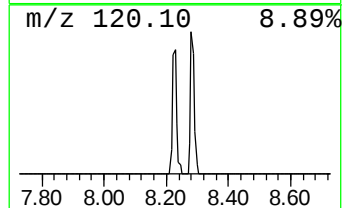
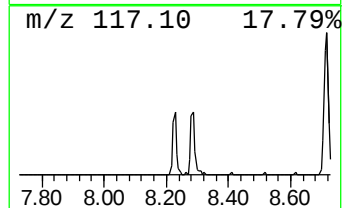
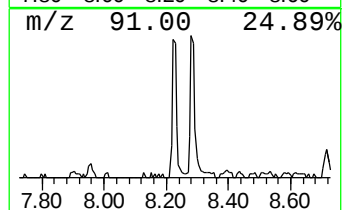
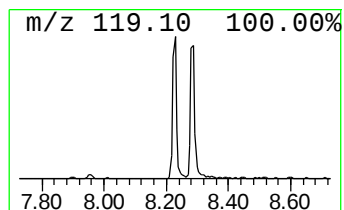
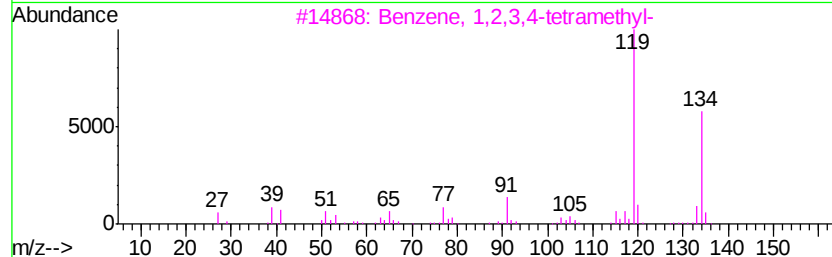
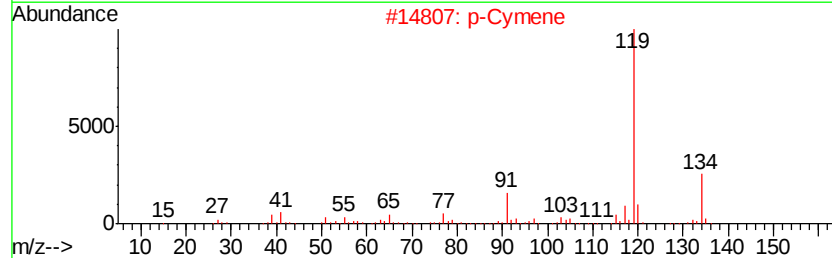
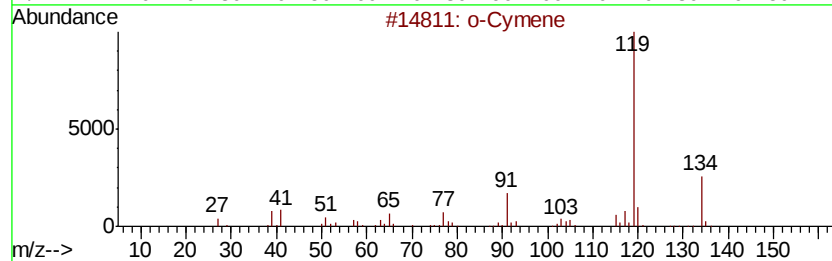
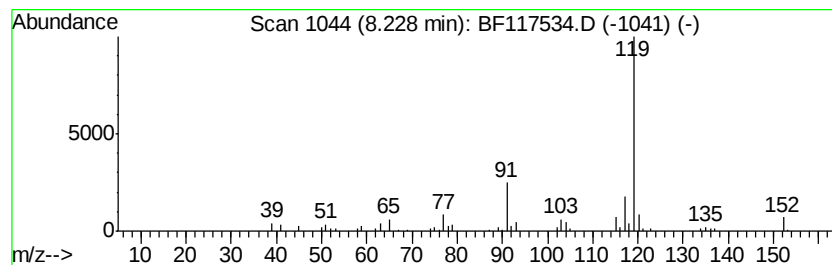
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 o-Cymene Concentration Rank 16

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 8.23 | 8.14 ng | 115916 | Napthalene-d8    | 8.01 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | o-Cymene                            | 134 | C10H14  | 000527-84-4 | 90   |
| 2    |    |   | p-Cymene                            | 134 | C10H14  | 000099-87-6 | 86   |
| 3    |    |   | Benzene, 1,2,3,4-tetramethyl-       | 134 | C10H14  | 000488-23-3 | 80   |
| 4    |    |   | Benzene, 1-ethyl-2,4-dimethyl-      | 134 | C10H14  | 000874-41-9 | 80   |
| 5    |    |   | 1,3-Cyclopentadiene, 1,2,3,4-tet... | 134 | C10H14  | 076089-59-3 | 80   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\  
Data File : BF117534.D  
Acq On : 25 Oct 2019 14:26  
Operator : JU  
Sample : K5502-13  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
178-60-(0-2.1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

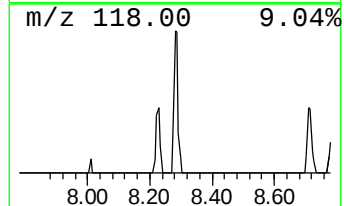
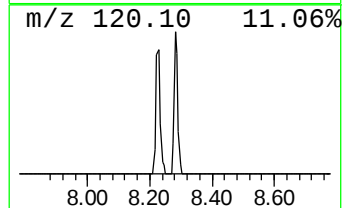
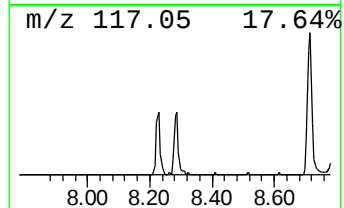
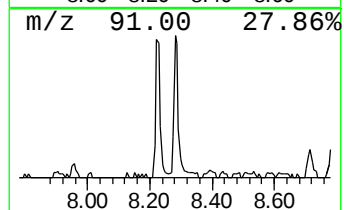
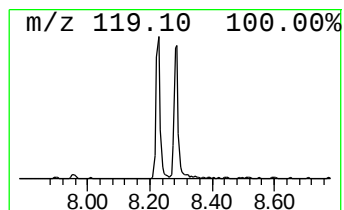
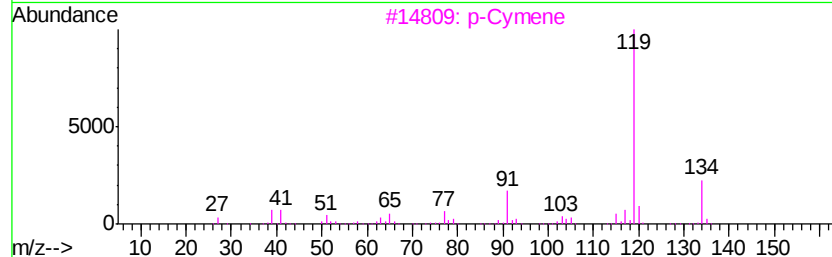
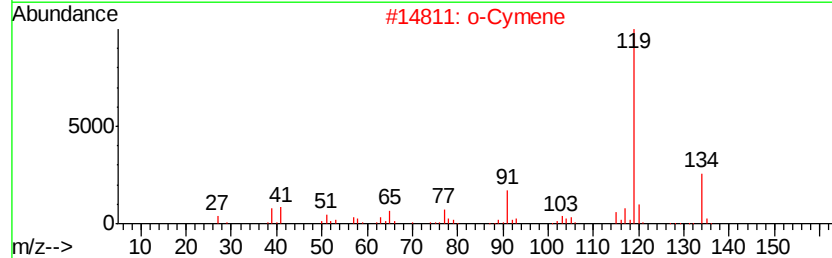
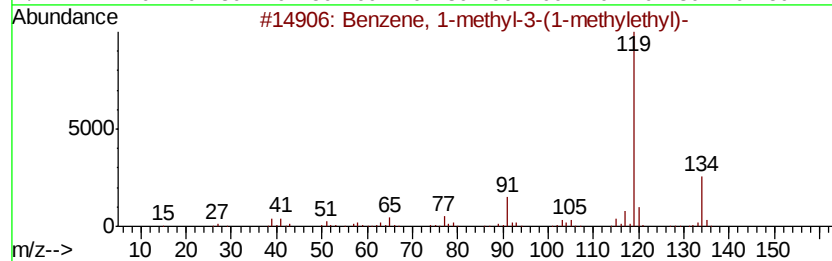
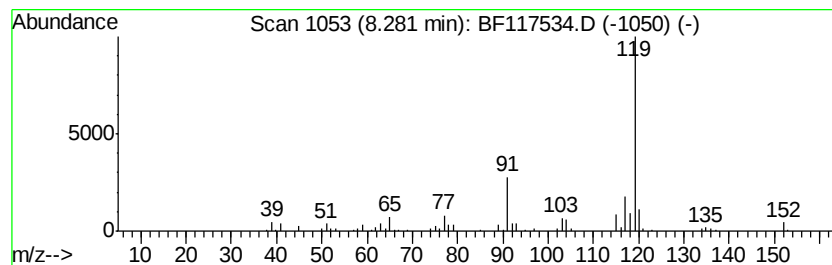
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 Benzene, 1-methyl-3-(1-meth... Concentration Rank 12

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 8.28 | 9.33 ng | 132875 | Napthalene-d8    | 8.01 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14  | 000535-77-3 | 87   |
| 2    |    | o-Cymene                            | 134 | C10H14  | 000527-84-4 | 87   |
| 3    |    | p-Cymene                            | 134 | C10H14  | 000099-87-6 | 74   |
| 4    |    | Benzene, 1,2,3,4-tetramethyl-       | 134 | C10H14  | 000488-23-3 | 72   |
| 5    |    | Benzene, 1-ethyl-3,5-dimethyl-      | 134 | C10H14  | 000934-74-7 | 64   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\  
Data File : BF117534.D  
Acq On : 25 Oct 2019 14:26  
Operator : JU  
Sample : K5502-13  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
178-60-(0-2.1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

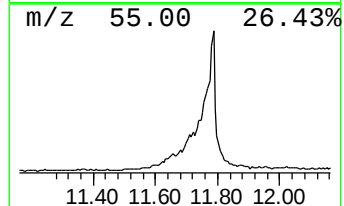
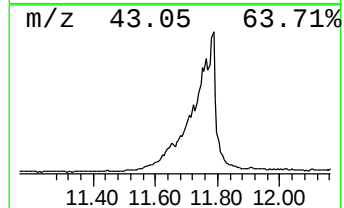
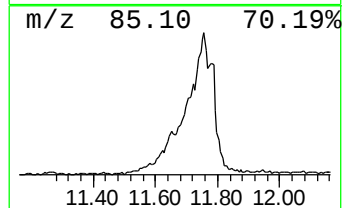
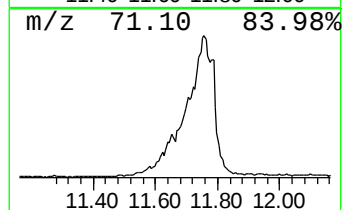
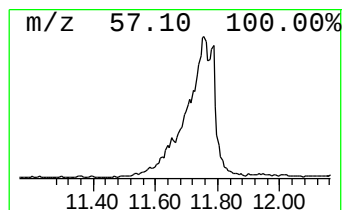
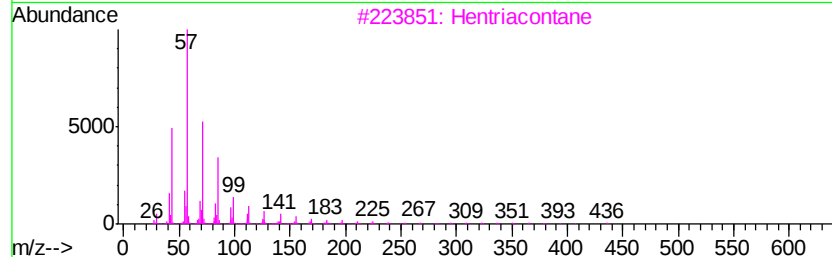
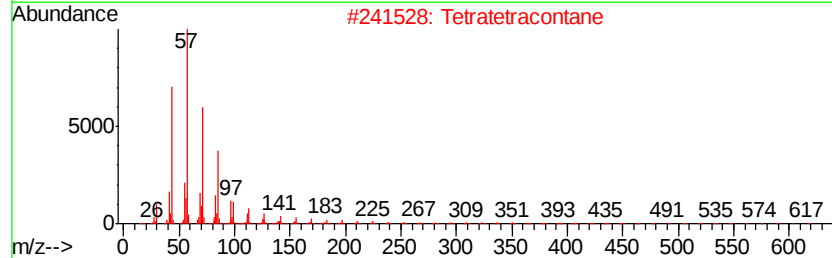
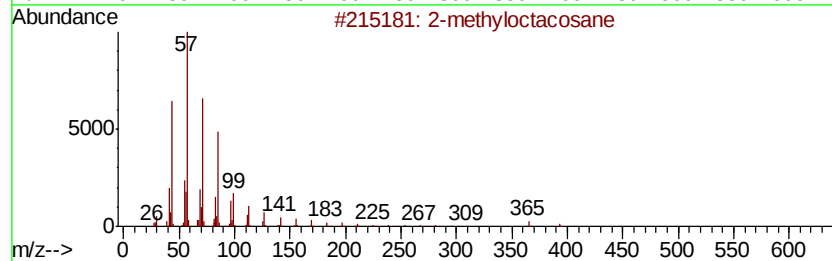
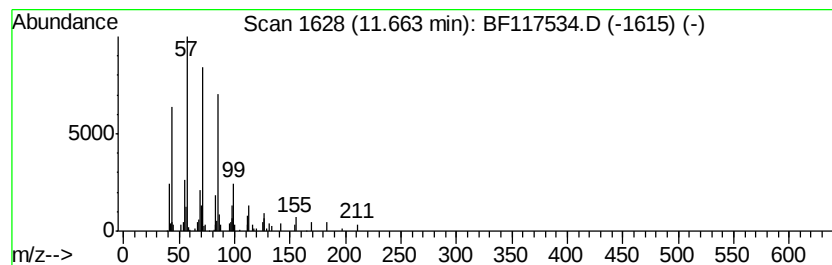
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 2-methyloctacosane Concentration Rank 9

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 11.66 | 16.32 ng | 243553 | Phenanthrene-d10 | 11.25 |

| Hit# of | 5                  | Tentative ID | MW  | MolForm | CAS#         | Qual |
|---------|--------------------|--------------|-----|---------|--------------|------|
| 1       | 2-methyloctacosane |              | 408 | C29H60  | 1000376-72-8 | 86   |
| 2       | Tetratetracontane  |              | 619 | C44H90  | 007098-22-8  | 80   |
| 3       | Hentriacontane     |              | 437 | C31H64  | 000630-04-6  | 80   |
| 4       | Heneicosane        |              | 296 | C21H44  | 000629-94-7  | 80   |
| 5       | Hexacosane         |              | 366 | C26H54  | 000630-01-3  | 72   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\  
Data File : BF117534.D  
Acq On : 25 Oct 2019 14:26  
Operator : JU  
Sample : K5502-13  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
178-60-(0-2.1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

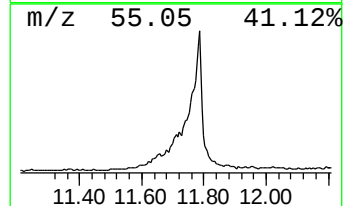
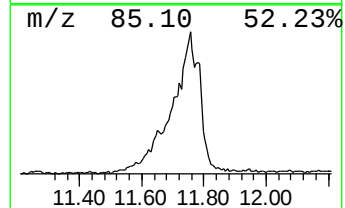
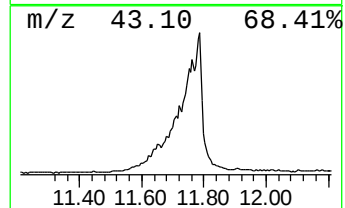
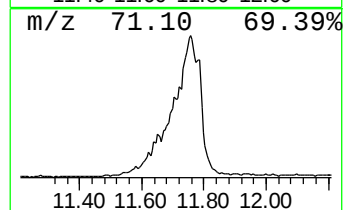
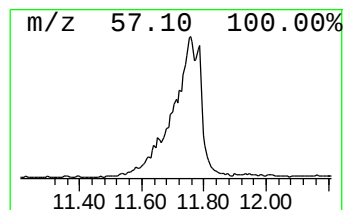
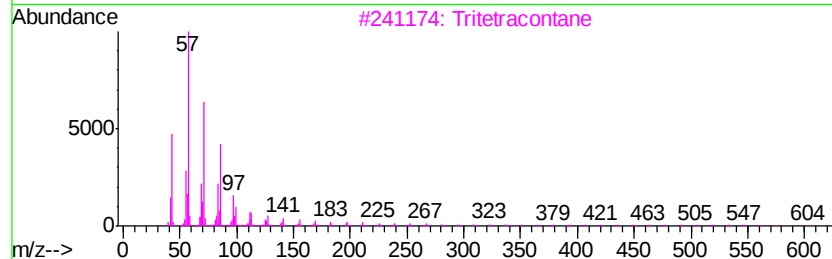
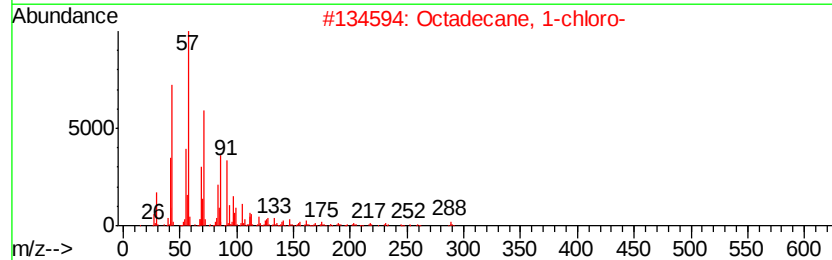
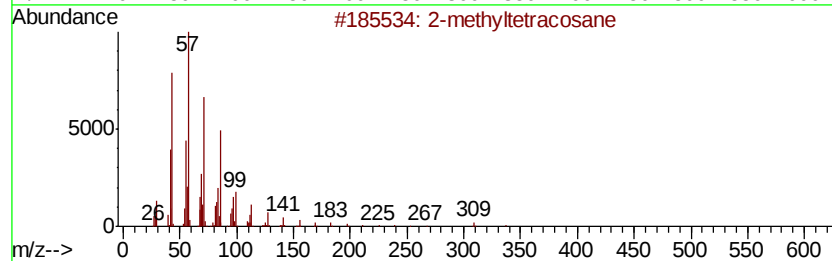
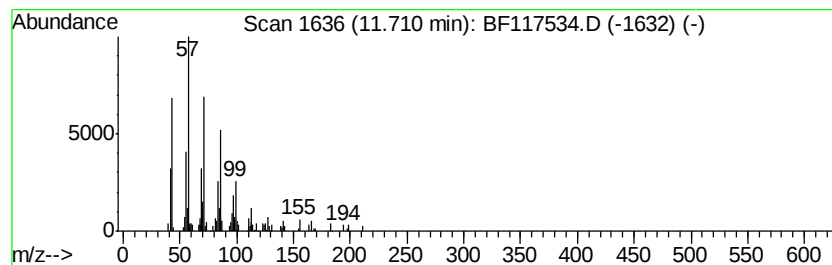
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 Octadecane, 1-chloro- Concentration Rank 7

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 11.71 | 19.09 ng | 285004 | Phenanthrene-d10 | 11.25 |

| Hit# | of | Tentative ID          | MW  | MolForm  | CAS#         | Qual |
|------|----|-----------------------|-----|----------|--------------|------|
| 1    | 5  | 2-methyltetracosane   | 352 | C25H52   | 1000376-72-6 | 86   |
| 2    |    | Octadecane, 1-chloro- | 288 | C18H37Cl | 003386-33-2  | 80   |
| 3    |    | Tritetracontane       | 605 | C43H88   | 007098-21-7  | 80   |
| 4    |    | Heneicosane           | 296 | C21H44   | 000629-94-7  | 72   |
| 5    |    | Heptadecane           | 240 | C17H36   | 000629-78-7  | 58   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\  
Data File : BF117534.D  
Acq On : 25 Oct 2019 14:26  
Operator : JU  
Sample : K5502-13  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
178-60-(0-2.1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

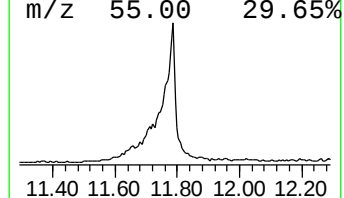
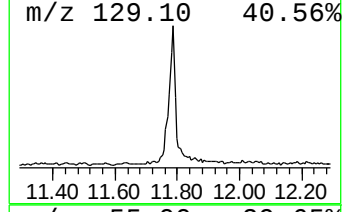
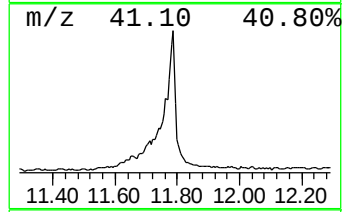
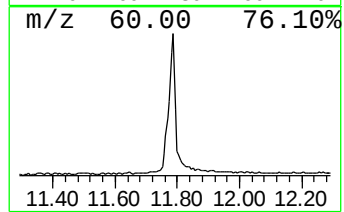
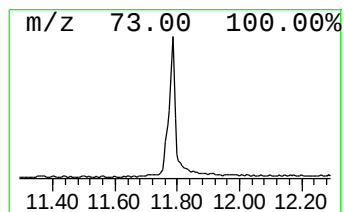
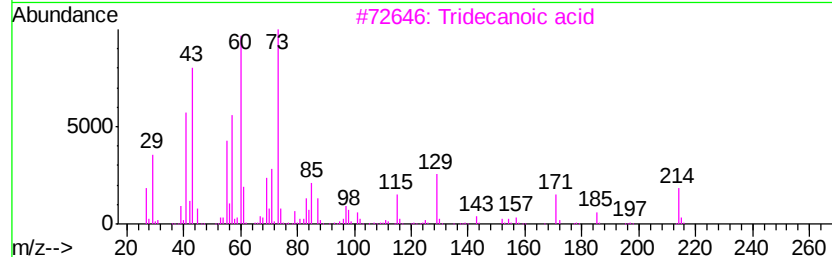
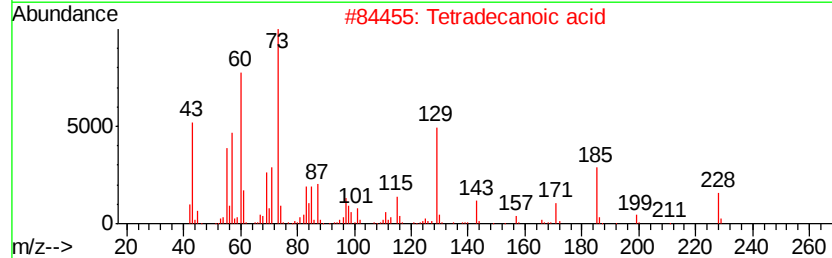
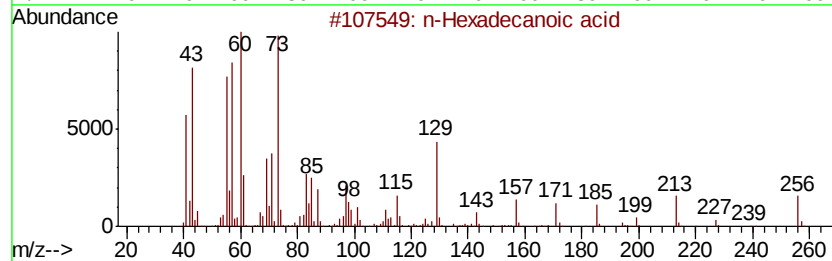
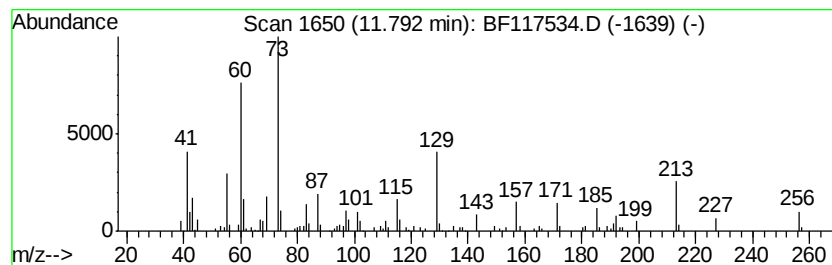
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 11 n-Hexadecanoic acid Concentration Rank 1

| R.T.  | EstConc   | Area    | Relative to ISTD | R.T.  |
|-------|-----------|---------|------------------|-------|
| 11.79 | 114.70 ng | 1712060 | Phenanthrene-d10 | 11.25 |

| Hit# | of | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---------------------|-----|----------|-------------|------|
| 1    | 5  | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 76   |
| 2    |    | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 76   |
| 3    |    | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 70   |
| 4    |    | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 64   |
| 5    |    | Dodecanoic acid     | 200 | C12H24O2 | 000143-07-7 | 58   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\  
Data File : BF117534.D  
Acq On : 25 Oct 2019 14:26  
Operator : JU  
Sample : K5502-13  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
178-60-(0-2.1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

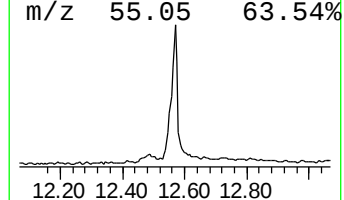
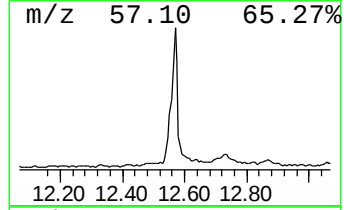
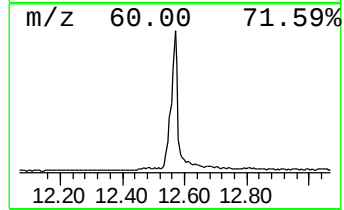
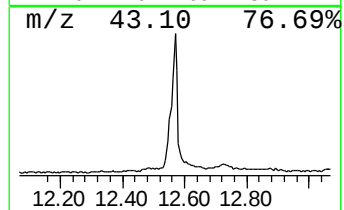
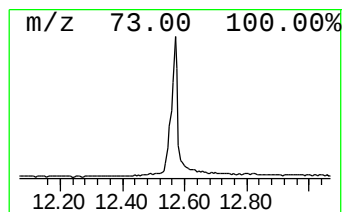
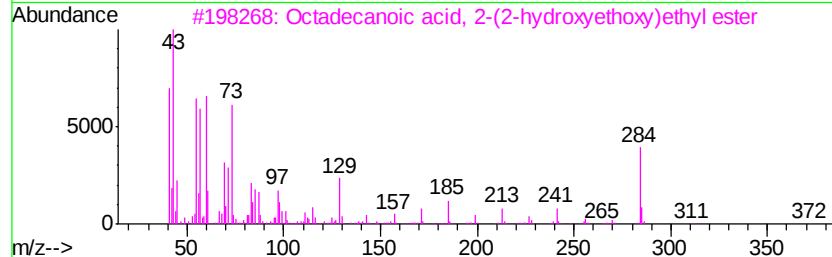
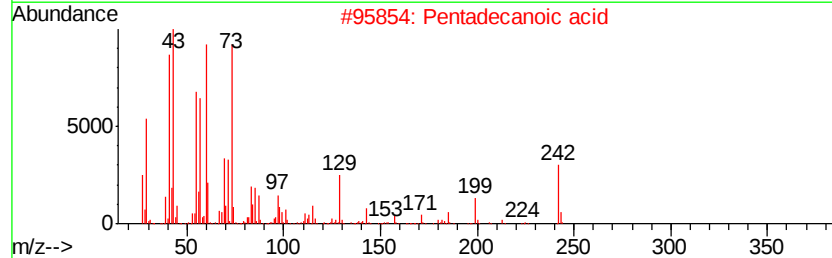
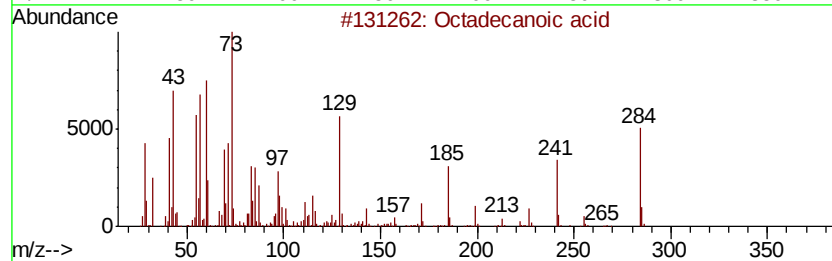
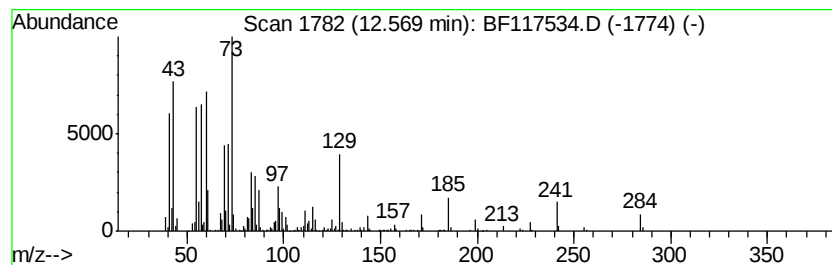
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 12 Octadecanoic acid Concentration Rank 4

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 12.57 | 60.21 ng | 1094100 | Chrysene-d12     | 13.89 |

| Hit# | of | Tentative ID                         | MW  | MolForm  | CAS#        | Qual |
|------|----|--------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Octadecanoic acid                    | 284 | C18H36O2 | 000057-11-4 | 99   |
| 2    |    | Pentadecanoic acid                   | 242 | C15H30O2 | 001002-84-2 | 76   |
| 3    |    | Octadecanoic acid, 2-(2-hydroxyve... | 372 | C22H44O4 | 000106-11-6 | 72   |
| 4    |    | n-Decanoic acid                      | 172 | C10H20O2 | 000334-48-5 | 68   |
| 5    |    | Tetradecanoic acid                   | 228 | C14H28O2 | 000544-63-8 | 58   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\  
Data File : BF117534.D  
Acq On : 25 Oct 2019 14:26  
Operator : JU  
Sample : K5502-13  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
178-60-(0-2.1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

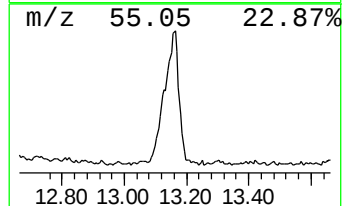
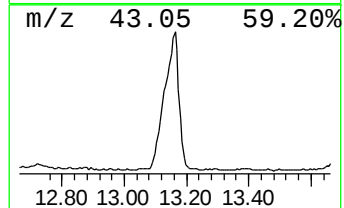
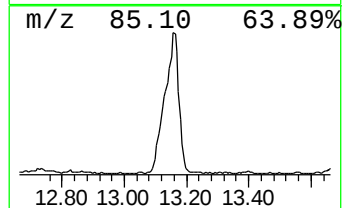
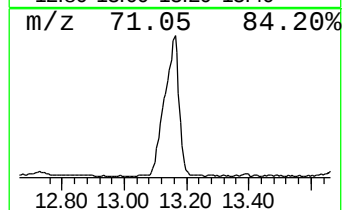
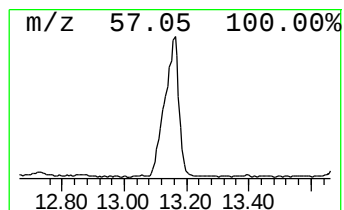
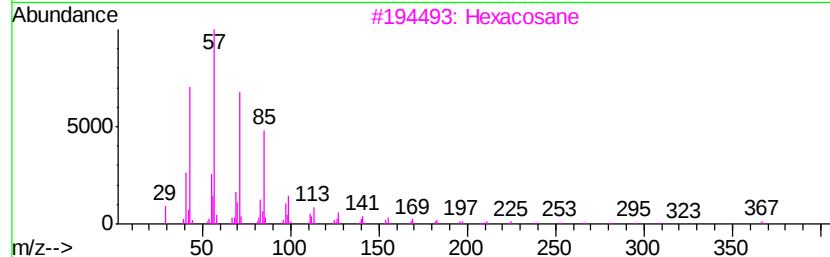
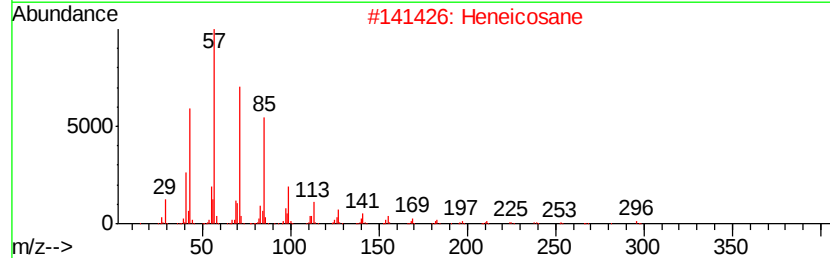
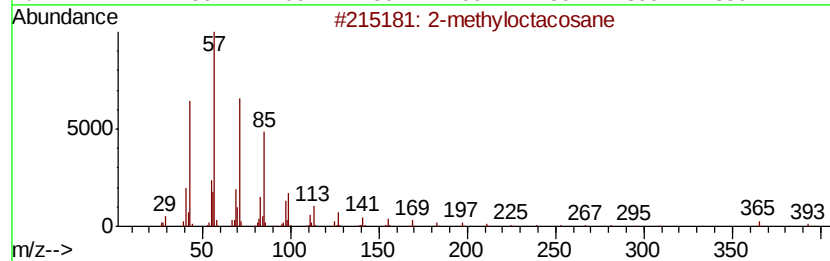
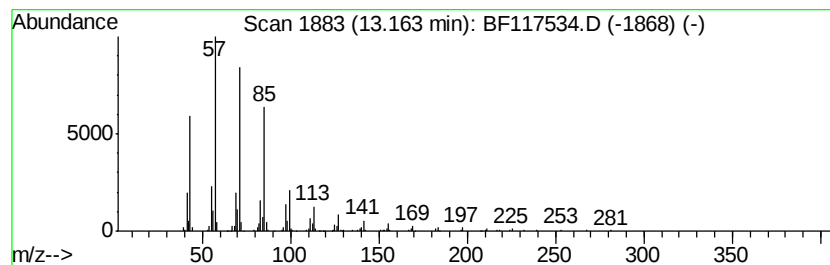
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 13 Heptadecane Concentration Rank 2

| R.T.  | EstConc   | Area    | Relative to ISTD | R.T.  |
|-------|-----------|---------|------------------|-------|
| 13.16 | 107.25 ng | 1948960 | Chrysene-d12     | 13.89 |

| Hit# | of | Tentative ID       | MW  | MolForm | CAS#         | Qual |
|------|----|--------------------|-----|---------|--------------|------|
| 1    | 5  | 2-methyloctacosane | 408 | C29H60  | 1000376-72-8 | 91   |
| 2    |    | Heneicosane        | 296 | C21H44  | 000629-94-7  | 91   |
| 3    |    | Hexacosane         | 366 | C26H54  | 000630-01-3  | 87   |
| 4    |    | Heptadecane        | 240 | C17H36  | 000629-78-7  | 86   |
| 5    |    | Heptacosane        | 380 | C27H56  | 000593-49-7  | 86   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\  
Data File : BF117534.D  
Acq On : 25 Oct 2019 14:26  
Operator : JU  
Sample : K5502-13  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
178-60-(0-2.1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

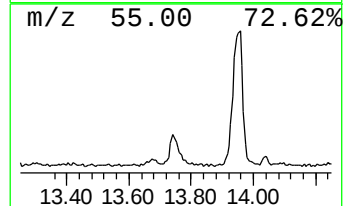
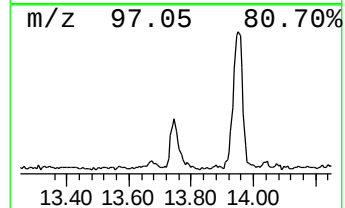
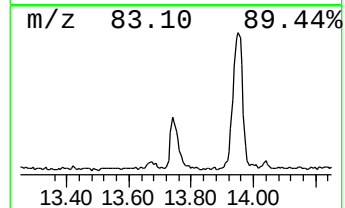
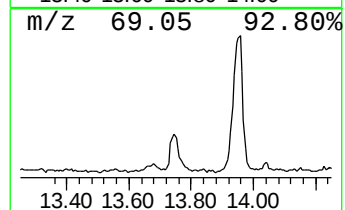
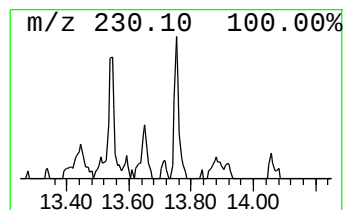
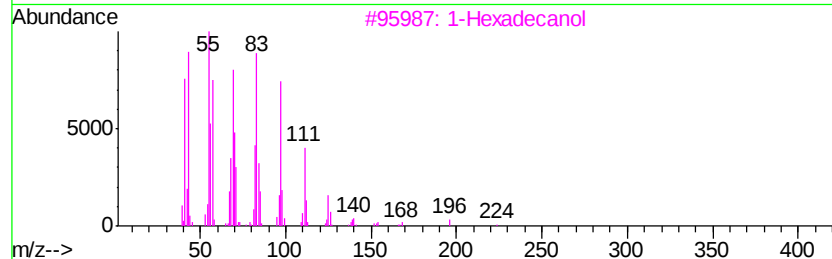
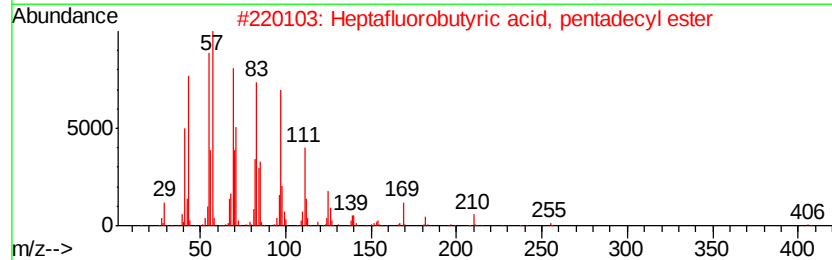
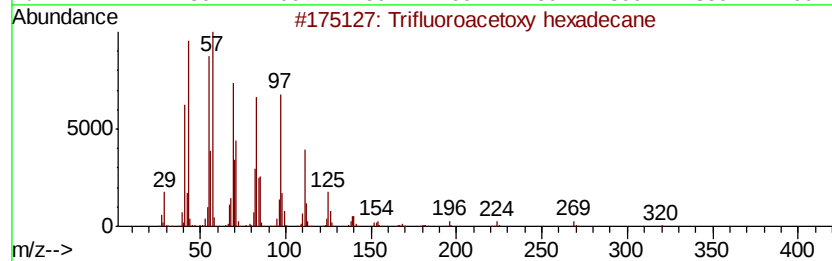
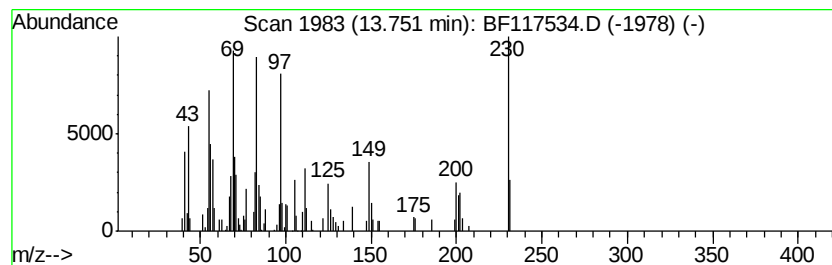
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 14 Trifluoroacetoxy hexadecane Concentration Rank 10

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 13.75 | 11.10 ng | 201674 | Chrysene-d12     | 13.89 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|------|----|-------------------------------------|-----|------------|-------------|------|
| 1    | 5  | Trifluoroacetoxy hexadecane         | 338 | C18H33F3O2 | 006222-03-3 | 68   |
| 2    |    | Heptafluorobutyric acid, pentade... | 424 | C19H31F7O2 | 959261-23-5 | 64   |
| 3    |    | 1-Hexadecanol                       | 242 | C16H34O    | 036653-82-4 | 64   |
| 4    |    | Pentafluoropropionic acid, tetra... | 360 | C17H29F5O2 | 006222-06-6 | 64   |
| 5    |    | Heptafluorobutyric acid, n-tetra... | 410 | C18H29F7O2 | 007365-36-8 | 64   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\  
Data File : BF117534.D  
Acq On : 25 Oct 2019 14:26  
Operator : JU  
Sample : K5502-13  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
178-60-(0-2.1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

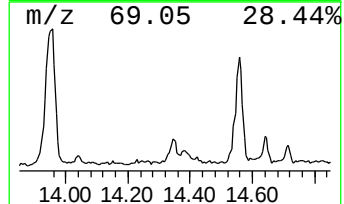
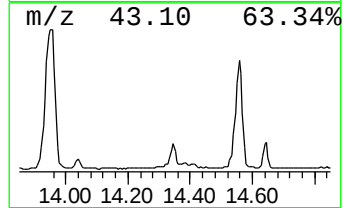
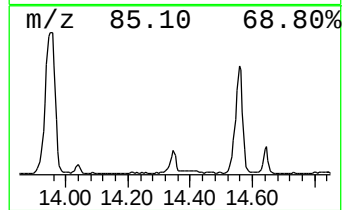
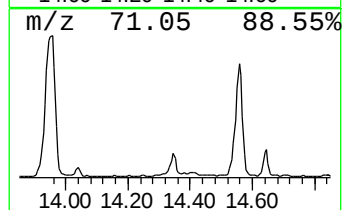
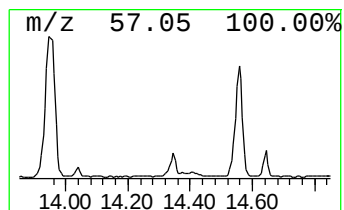
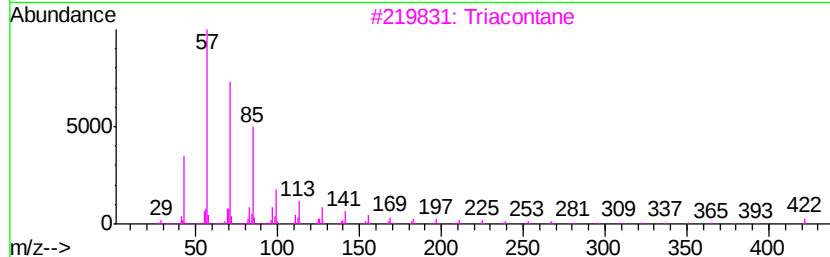
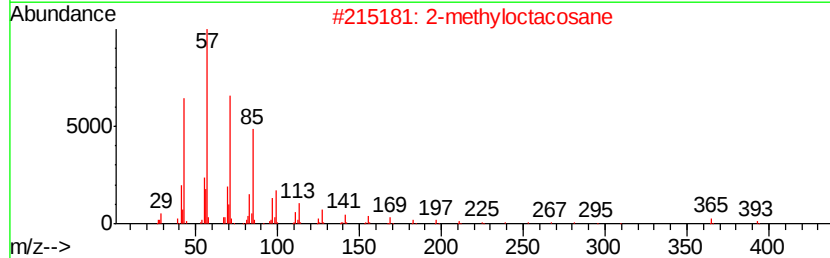
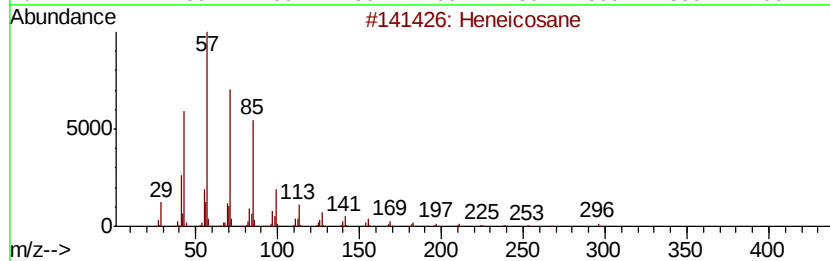
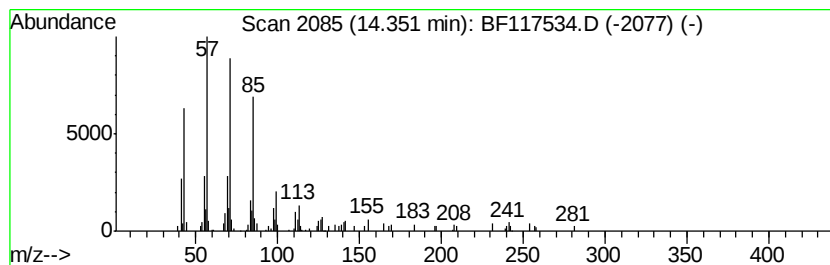
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 15 Heneicosane Concentration Rank 13

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 14.35 | 9.10 ng | 165350 | Chrysene-d12     | 13.89 |

| Hit# | of | Tentative ID        | MW  | MolForm | CAS#         | Qual |
|------|----|---------------------|-----|---------|--------------|------|
| 1    | 5  | Heneicosane         | 296 | C21H44  | 000629-94-7  | 91   |
| 2    |    | 2-methyloctacosane  | 408 | C29H60  | 1000376-72-8 | 91   |
| 3    |    | Triacontane         | 422 | C30H62  | 000638-68-6  | 91   |
| 4    |    | 2-methyltetracosane | 352 | C25H52  | 1000376-72-6 | 90   |
| 5    |    | Heptadecane         | 240 | C17H36  | 000629-78-7  | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\  
Data File : BF117534.D  
Acq On : 25 Oct 2019 14:26  
Operator : JU  
Sample : K5502-13  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
178-60-(0-2.1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

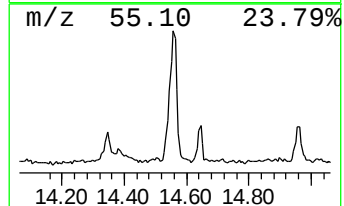
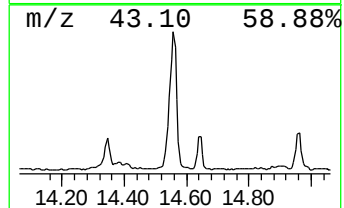
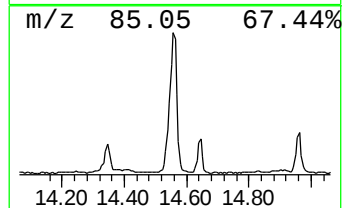
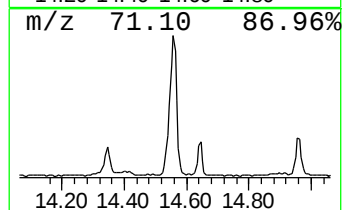
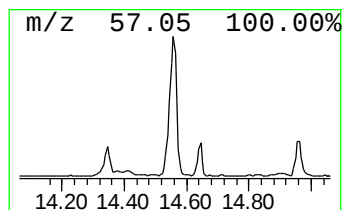
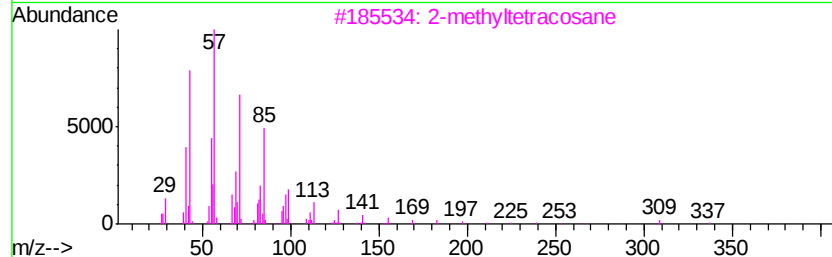
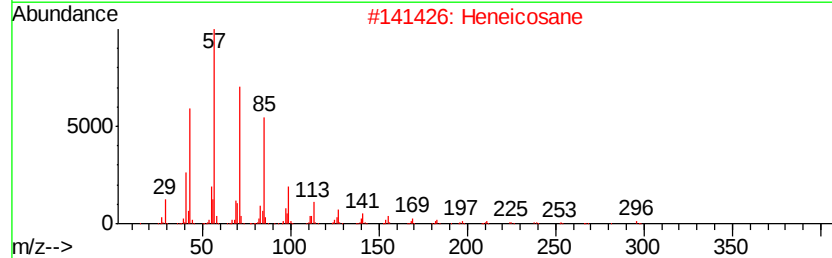
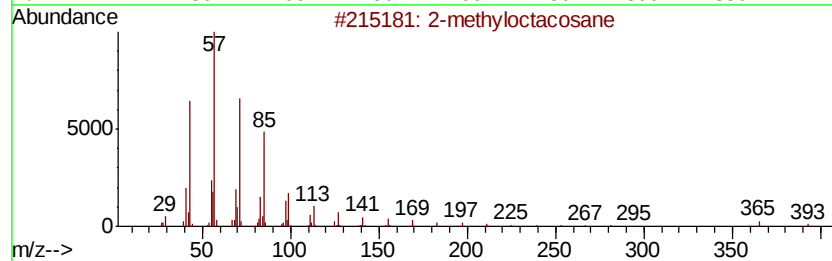
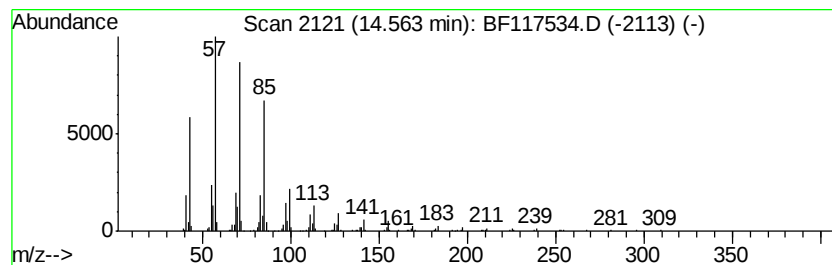
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 16 Heptadecane, 9-octyl- Concentration Rank 5

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 14.56 | 49.16 ng | 893323 | Chrysene-d12     | 13.89 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#         | Qual |
|------|----|-----------------------|-----|---------|--------------|------|
| 1    | 5  | 2-methyloctacosane    | 408 | C29H60  | 1000376-72-8 | 91   |
| 2    |    | Heneicosane           | 296 | C21H44  | 000629-94-7  | 91   |
| 3    |    | 2-methyltetracosane   | 352 | C25H52  | 1000376-72-6 | 90   |
| 4    |    | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1  | 90   |
| 5    |    | Heptadecane           | 240 | C17H36  | 000629-78-7  | 86   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\  
Data File : BF117534.D  
Acq On : 25 Oct 2019 14:26  
Operator : JU  
Sample : K5502-13  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
178-60-(0-2.1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

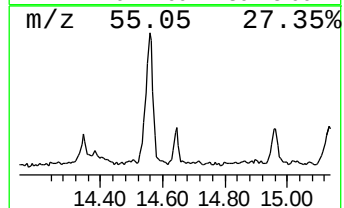
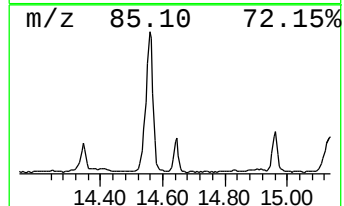
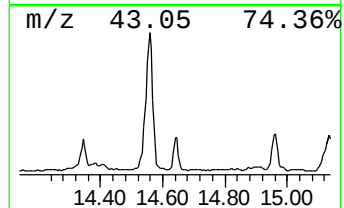
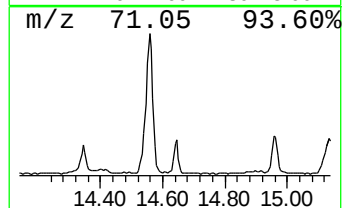
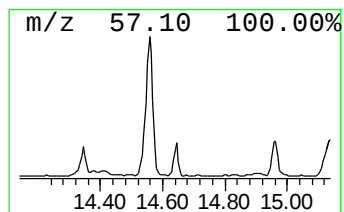
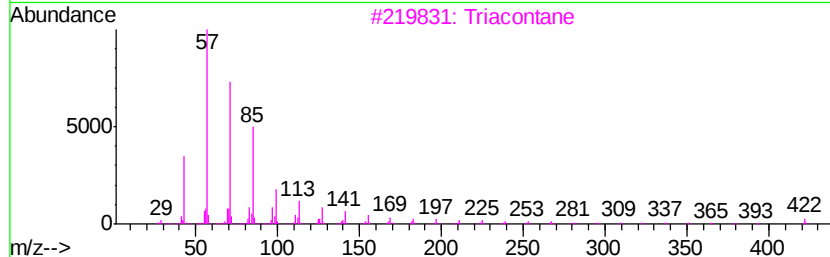
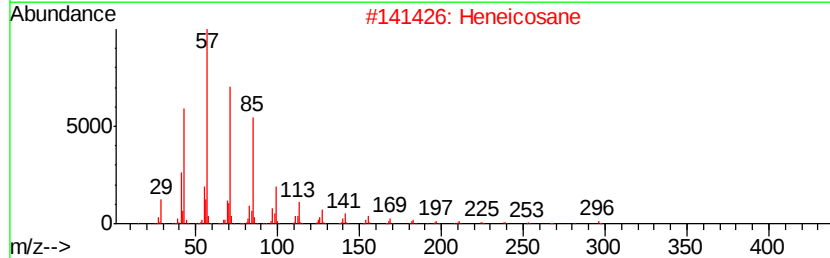
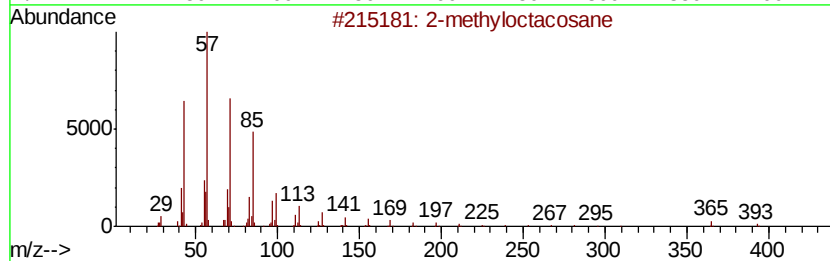
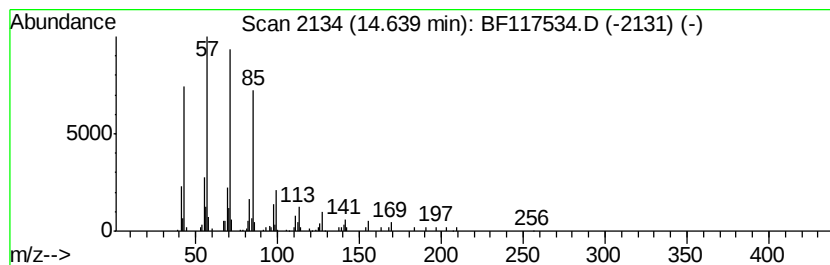
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 17 Triacontane Concentration Rank 18

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 14.64 | 7.50 ng | 138400 | Perylene-d12     | 15.33 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm | CAS#         | Qual |
|------|----|---|---------------------|-----|---------|--------------|------|
| 1    |    |   | 2-methyloctacosane  | 408 | C29H60  | 1000376-72-8 | 91   |
| 2    |    |   | Heneicosane         | 296 | C21H44  | 000629-94-7  | 91   |
| 3    |    |   | Triacontane         | 422 | C30H62  | 000638-68-6  | 91   |
| 4    |    |   | Heptadecane         | 240 | C17H36  | 000629-78-7  | 90   |
| 5    |    |   | 2-methyltetracosane | 352 | C25H52  | 1000376-72-6 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\  
Data File : BF117534.D  
Acq On : 25 Oct 2019 14:26  
Operator : JU  
Sample : K5502-13  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
178-60-(0-2.1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

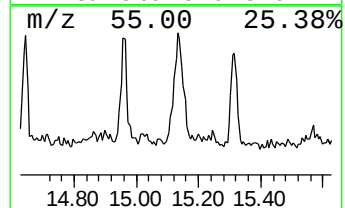
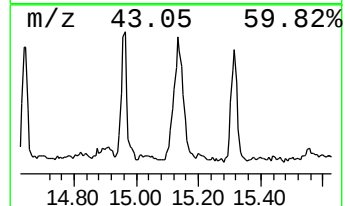
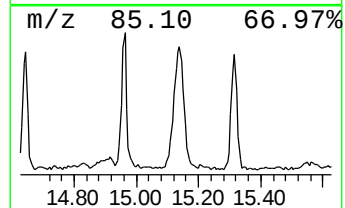
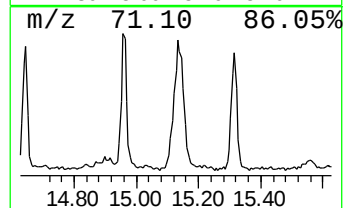
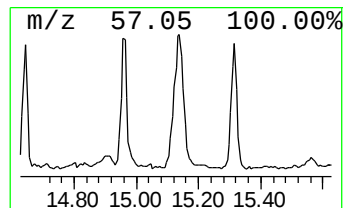
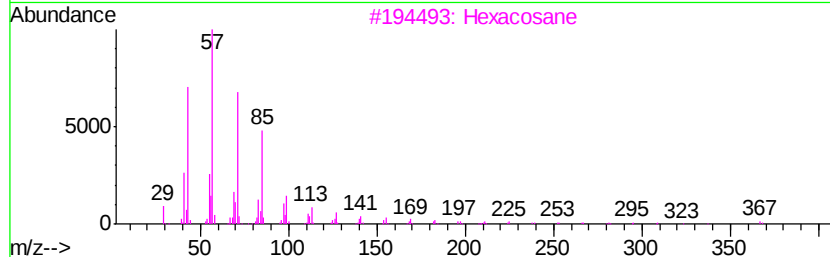
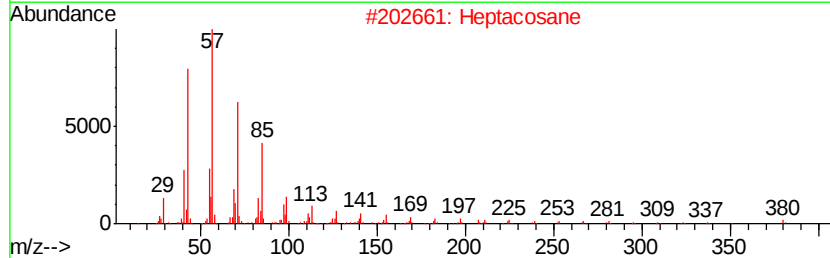
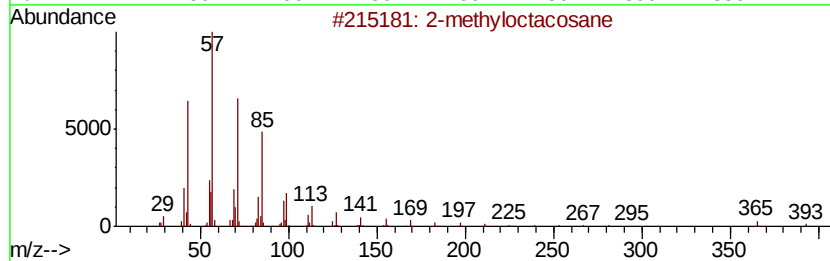
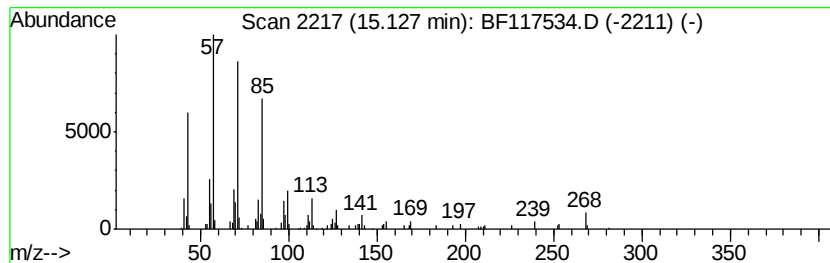
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 18 Dodecane, 2-methyl- Concentration Rank 8

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 15.13 | 18.26 ng | 337106 | Perylene-d12     | 15.33 |

| Hit# | of | Tentative ID        | MW  | MolForm | CAS#         | Qual |
|------|----|---------------------|-----|---------|--------------|------|
| 1    | 5  | 2-methyloctacosane  | 408 | C29H60  | 1000376-72-8 | 91   |
| 2    |    | Heptacosane         | 380 | C27H56  | 000593-49-7  | 91   |
| 3    |    | Hexacosane          | 366 | C26H54  | 000630-01-3  | 91   |
| 4    |    | Octadecane          | 254 | C18H38  | 000593-45-3  | 91   |
| 5    |    | Dodecane, 2-methyl- | 184 | C13H28  | 001560-97-0  | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\  
Data File : BF117534.D  
Acq On : 25 Oct 2019 14:26  
Operator : JU  
Sample : K5502-13  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
178-60-(0-2.1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

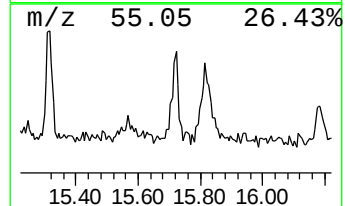
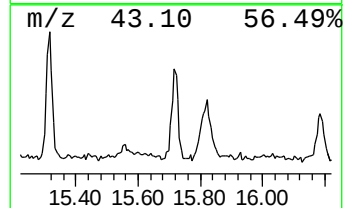
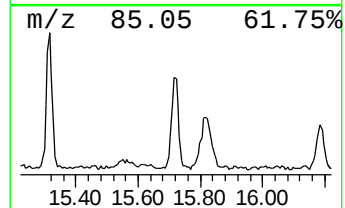
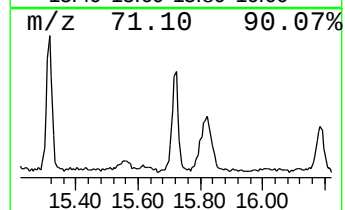
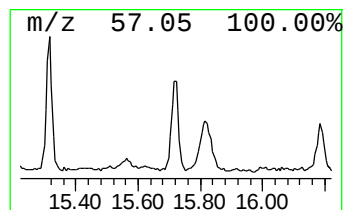
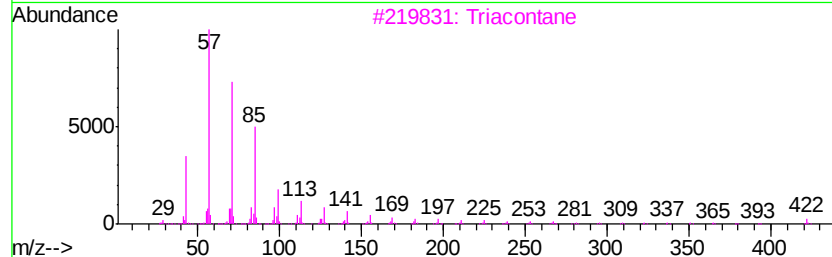
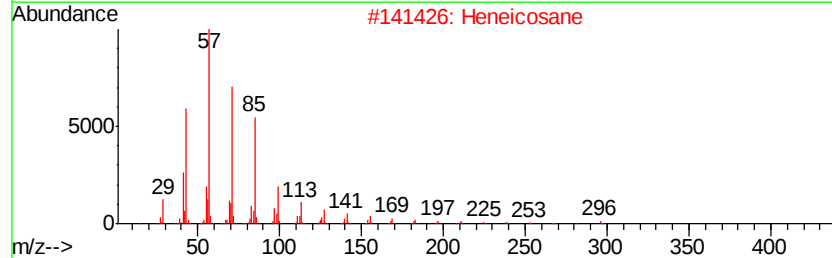
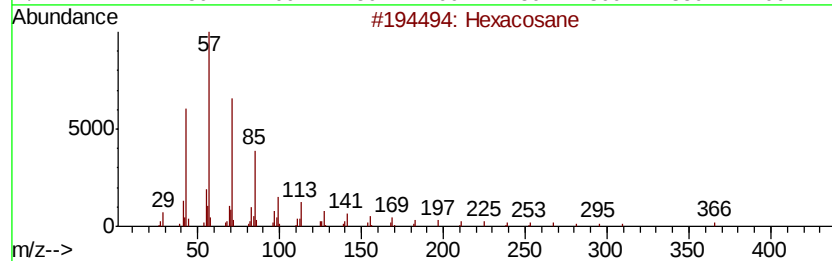
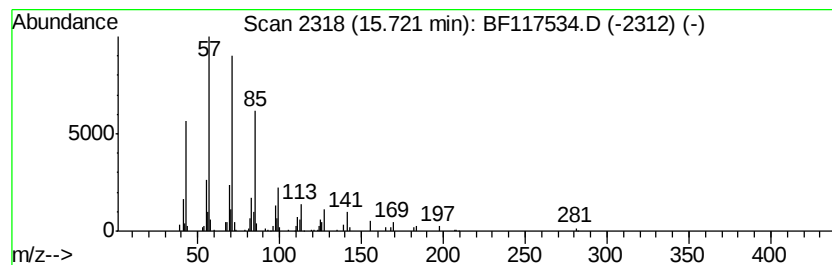
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 19 Heneicosane, 11-(1-ethylpro... Concentration Rank 17

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 15.72 | 7.62 ng | 140700 | Perylene-d12     | 15.33 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm | CAS#         | Qual |
|------|----|---|----------------------------------|-----|---------|--------------|------|
| 1    |    |   | Hexacosane                       | 366 | C26H54  | 000630-01-3  | 91   |
| 2    |    |   | Heneicosane                      | 296 | C21H44  | 000629-94-7  | 91   |
| 3    |    |   | Triacontane                      | 422 | C30H62  | 000638-68-6  | 91   |
| 4    |    |   | Heneicosane, 11-(1-ethylpropyl)- | 366 | C26H54  | 055282-11-6  | 91   |
| 5    |    |   | 2-methyloctacosane               | 408 | C29H60  | 1000376-72-8 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\  
 Data File : BF117534.D  
 Acq On : 25 Oct 2019 14:26  
 Operator : JU  
 Sample : K5502-13  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 178-60-(0-2.1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

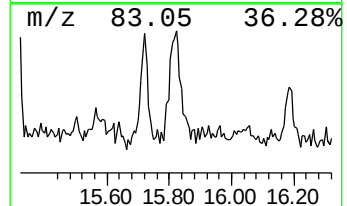
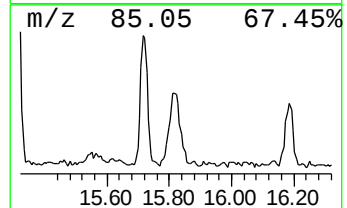
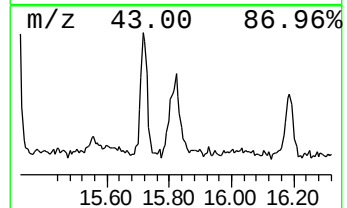
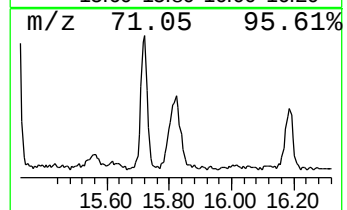
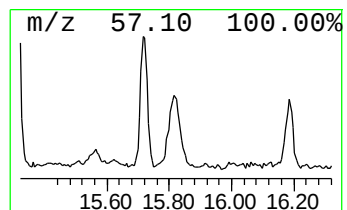
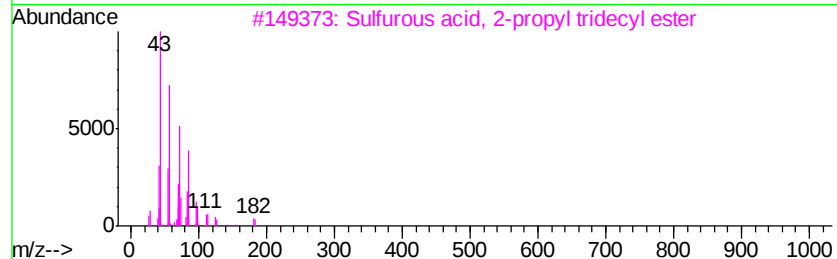
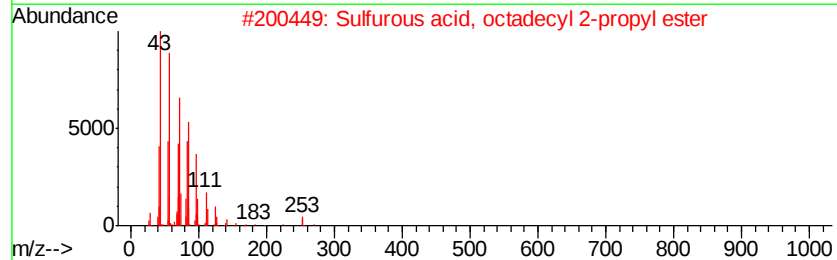
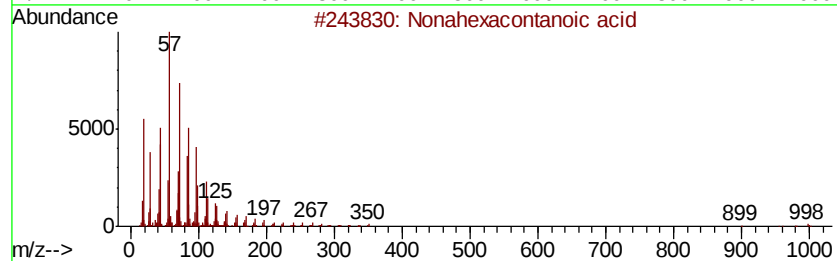
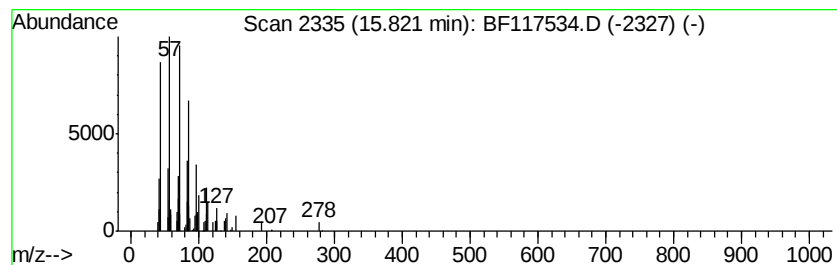
TIC Library : C:\DATABASE\NIST11.L  
 TIC Integration Parameters: LSCINT.P

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 Peak Number 20 Nonahexacontanoic acid Concentration Rank 15

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 15.82 | 8.66 ng | 159873 | Perylene-d12     | 15.33 |

| Hit# | of | Tentative ID                         | MW  | MolForm   | CAS#         | Qual |
|------|----|--------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Nonahexacontanoic acid               | 999 | C69H138O2 | 040710-32-5  | 87   |
| 2    |    | Sulfurous acid, octadecyl 2-prop...  | 376 | C21H44O3S | 1000309-12-7 | 87   |
| 3    |    | Sulfurous acid, 2-propyl tridecyl... | 306 | C16H34O3S | 1000309-12-4 | 86   |
| 4    |    | 2-methyltetracosane                  | 352 | C25H52    | 1000376-72-6 | 74   |
| 5    |    | 1-Eicosene                           | 280 | C20H40    | 003452-07-1  | 70   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF102519\  
 Data File : BF117534.D  
 Acq On : 25 Oct 2019 14:26  
 Operator : JU  
 Sample : K5502-13  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 178-60-(0-2.1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF101819.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 |
| Styrene              | 5.56  | 4.9 ng   |       | 48546    | 1                     | 6.73  | 198781 | 20.0 |
| unknown6.50          | 6.50  | 60.8 ng  |       | 603986   | 1                     | 6.73  | 198781 | 20.0 |
| Benzene, 1-propenyl- | 6.56  | 8.7 ng   |       | 86881    | 1                     | 6.73  | 198781 | 20.0 |
| Indene               | 6.99  | 4.7 ng   |       | 47088    | 1                     | 6.73  | 198781 | 20.0 |
| Benzene, 1-(bromo... | 7.58  | 9.4 ng   |       | 133651   | 2                     | 8.01  | 284751 | 20.0 |
| o-Cymene             | 8.23  | 8.1 ng   |       | 115916   | 2                     | 8.01  | 284751 | 20.0 |
| Benzene, 1-methyl... | 8.28  | 9.3 ng   |       | 132875   | 2                     | 8.01  | 284751 | 20.0 |
| 2-methyloctacosane   | 11.66 | 16.3 ng  |       | 243553   | 4                     | 11.25 | 298539 | 20.0 |
| Octadecane, 1-chl... | 11.71 | 19.1 ng  |       | 285004   | 4                     | 11.25 | 298539 | 20.0 |
| n-Hexadecanoic acid  | 11.79 | 114.7 ng |       | 1712060  | 4                     | 11.25 | 298539 | 20.0 |
| Octadecanoic acid    | 12.57 | 60.2 ng  |       | 1094100  | 5                     | 13.89 | 363458 | 20.0 |
| Heptadecane          | 13.16 | 107.3 ng |       | 1948960  | 5                     | 13.89 | 363458 | 20.0 |
| Trifluoroacetoxy ... | 13.75 | 11.1 ng  |       | 201674   | 5                     | 13.89 | 363458 | 20.0 |
| Heneicosane          | 14.35 | 9.1 ng   |       | 165350   | 5                     | 13.89 | 363458 | 20.0 |
| Heptadecane, 9-oc... | 14.56 | 49.2 ng  |       | 893323   | 5                     | 13.89 | 363458 | 20.0 |
| triacontane          | 14.64 | 7.5 ng   |       | 138400   | 6                     | 15.33 | 369302 | 20.0 |
| Dodecane, 2-methyl-  | 15.13 | 18.3 ng  |       | 337106   | 6                     | 15.33 | 369302 | 20.0 |
| Heneicosane, 11-(... | 15.72 | 7.6 ng   |       | 140700   | 6                     | 15.33 | 369302 | 20.0 |
| Nonahexacontanoic... | 15.82 | 8.7 ng   |       | 159873   | 6                     | 15.33 | 369302 | 20.0 |