

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110718\  
 Data File : BF110560.D  
 Acq On : 7 Nov 2018 17:27  
 Operator : JU/SJ  
 Sample : J5762-01 2X  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 BU-01-110518

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-BF102318.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         | 2.228       | 20            | 24          | 32           | rVB      | 109514         | 155163        | 16.51%          | 1.389%        |
| 2         | 5.169       | 522           | 524         | 533          | rBV      | 32264          | 43023         | 4.58%           | 0.385%        |
| 3         | 5.563       | 587           | 591         | 612          | rBV      | 778327         | 794936        | 84.60%          | 7.114%        |
| 4         | 6.569       | 758           | 762         | 779          | rBV      | 914562         | 935634        | 99.57%          | 8.373%        |
| 5         | 6.716       | 783           | 787         | 795          | rBV      | 1059426        | 912933        | 97.16%          | 8.170%        |
| 6         | 6.951       | 823           | 827         | 834          | rBV      | 545600         | 489776        | 52.12%          | 4.383%        |
| 7         | 7.104       | 849           | 853         | 865          | rBV      | 788757         | 688379        | 73.26%          | 6.160%        |
| 8         | 7.510       | 919           | 922         | 935          | rBV      | 521443         | 559369        | 59.53%          | 5.006%        |
| 9         | 8.234       | 1041          | 1045        | 1064         | rBV      | 580876         | 625352        | 66.55%          | 5.596%        |
| 10        | 9.304       | 1223          | 1227        | 1237         | rBV      | 1031091        | 939629        | 100.00%         | 8.409%        |
| 11        | 9.698       | 1289          | 1294        | 1300         | rVB      | 102857         | 101114        | 10.76%          | 0.905%        |
| 12        | 9.992       | 1340          | 1344        | 1355         | rVB      | 683466         | 611784        | 65.11%          | 5.475%        |
| 13        | 10.398      | 1406          | 1413        | 1416         | rBV2     | 12541          | 14760         | 1.57%           | 0.132%        |
| 14        | 10.616      | 1444          | 1450        | 1454         | rBV3     | 6655           | 10701         | 1.14%           | 0.096%        |
| 15        | 10.780      | 1475          | 1478        | 1487         | rBV      | 303781         | 337474        | 35.92%          | 3.020%        |
| 16        | 10.880      | 1491          | 1495        | 1501         | rVB2     | 9525           | 15446         | 1.64%           | 0.138%        |
| 17        | 11.486      | 1594          | 1598        | 1607         | rBV      | 493922         | 496487        | 52.84%          | 4.443%        |
| 18        | 11.751      | 1639          | 1643        | 1647         | rBV3     | 9489           | 10241         | 1.09%           | 0.092%        |
| 19        | 11.851      | 1658          | 1660        | 1664         | rVB      | 19336          | 14758         | 1.57%           | 0.132%        |
| 20        | 11.986      | 1680          | 1683        | 1693         | rBV4     | 58416          | 86026         | 9.16%           | 0.770%        |
| 21        | 12.539      | 1774          | 1777        | 1779         | rBV2     | 71524          | 67396         | 7.17%           | 0.603%        |
| 22        | 12.563      | 1779          | 1781        | 1790         | rVB2     | 50973          | 50711         | 5.40%           | 0.454%        |
| 23        | 12.645      | 1790          | 1795        | 1799         | rVB6     | 15156          | 23455         | 2.50%           | 0.210%        |
| 24        | 12.704      | 1799          | 1805        | 1809         | rBV      | 35526          | 45144         | 4.80%           | 0.404%        |
| 25        | 12.774      | 1814          | 1817        | 1825         | rBV5     | 45375          | 59414         | 6.32%           | 0.532%        |
| 26        | 12.916      | 1837          | 1841        | 1843         | rBV      | 25753          | 30362         | 3.23%           | 0.272%        |
| 27        | 12.939      | 1843          | 1845        | 1850         | rVB2     | 35789          | 36417         | 3.88%           | 0.326%        |
| 28        | 12.980      | 1850          | 1852        | 1856         | rBV4     | 9215           | 12168         | 1.29%           | 0.109%        |
| 29        | 13.063      | 1863          | 1866        | 1870         | rBV      | 688532         | 605286        | 64.42%          | 5.417%        |
| 30        | 13.274      | 1899          | 1902        | 1904         | rVB2     | 27689          | 24148         | 2.57%           | 0.216%        |
| 31        | 13.616      | 1957          | 1960        | 1963         | rBV2     | 44311          | 36855         | 3.92%           | 0.330%        |
| 32        | 13.945      | 2013          | 2016        | 2021         | rBV      | 97712          | 99659         | 10.61%          | 0.892%        |
| 33        | 14.133      | 2044          | 2048        | 2052         | rBV      | 546059         | 541113        | 57.59%          | 4.842%        |
| 34        | 14.257      | 2067          | 2069        | 2073         | rVB      | 72562          | 64747         | 6.89%           | 0.579%        |

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Sample : J5762-01 2X  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
BU-01-110518

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-BF102318.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 35 | 14.568 | 2118 | 2122 | 2128 | rBV  | 130467 | 159271 | 16.95% | 1.425% |
| 36 | 14.886 | 2172 | 2176 | 2180 | rVB  | 177490 | 197077 | 20.97% | 1.764% |
| 37 | 15.233 | 2232 | 2235 | 2239 | rVB  | 226306 | 250216 | 26.63% | 2.239% |
| 38 | 15.633 | 2299 | 2303 | 2305 | rBV  | 191496 | 254167 | 27.05% | 2.275% |
| 39 | 15.662 | 2305 | 2308 | 2313 | rVB  | 328319 | 417657 | 44.45% | 3.738% |
| 40 | 16.092 | 2377 | 2381 | 2386 | rVB  | 149004 | 222487 | 23.68% | 1.991% |
| 41 | 16.615 | 2467 | 2470 | 2476 | rVB2 | 80367  | 133630 | 14.22% | 1.196% |

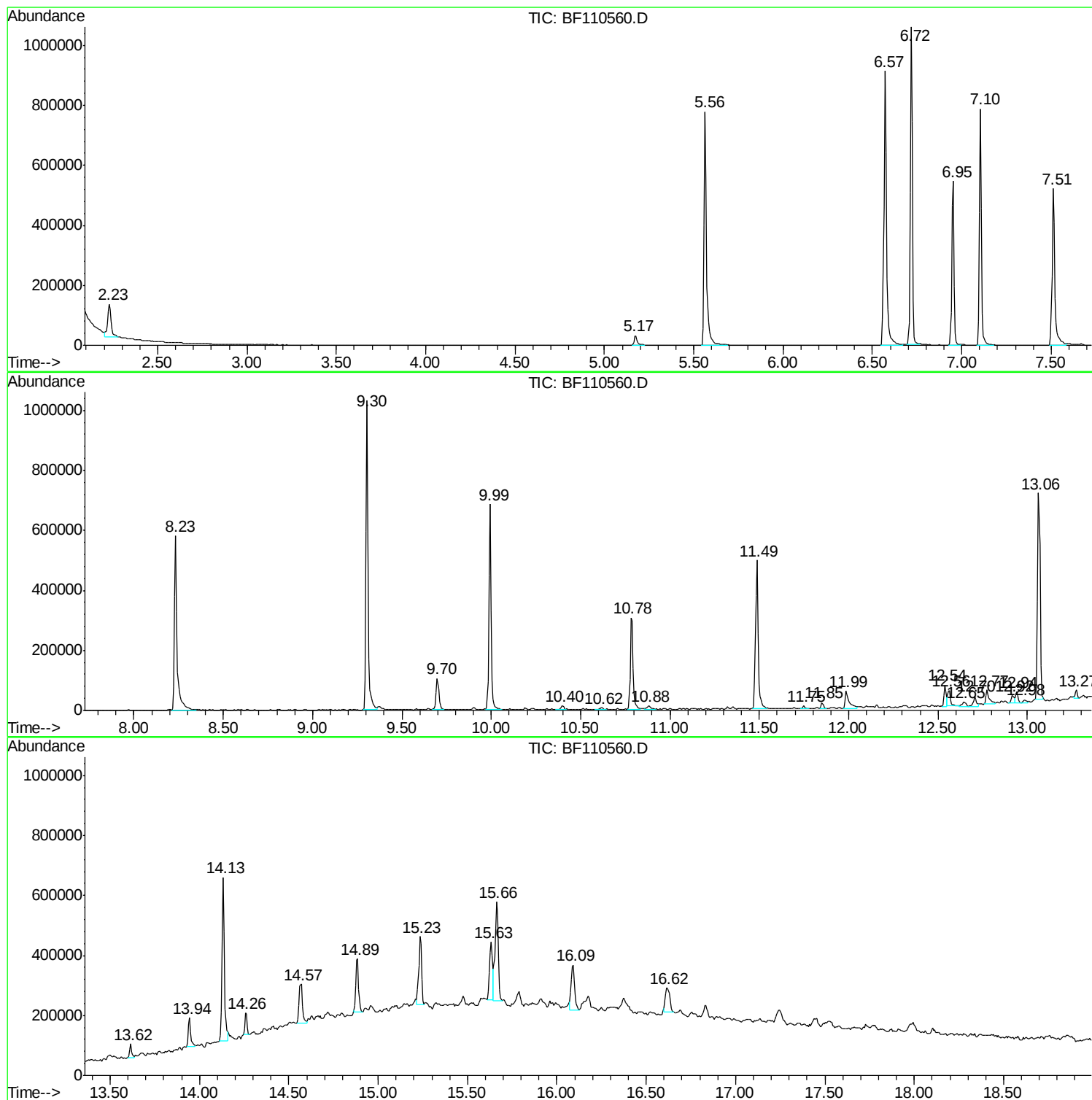
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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Sample : J5762-01 2X  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

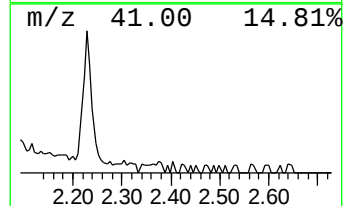
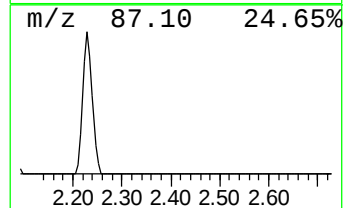
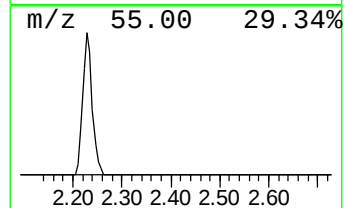
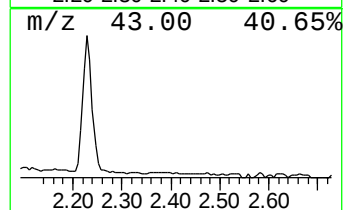
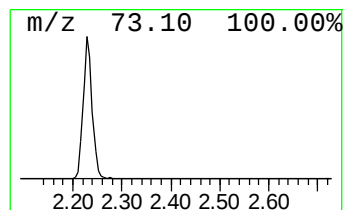
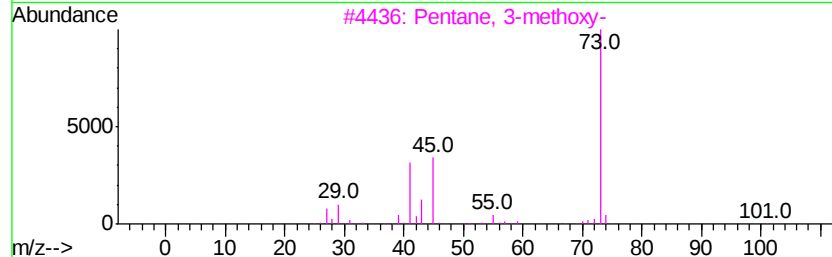
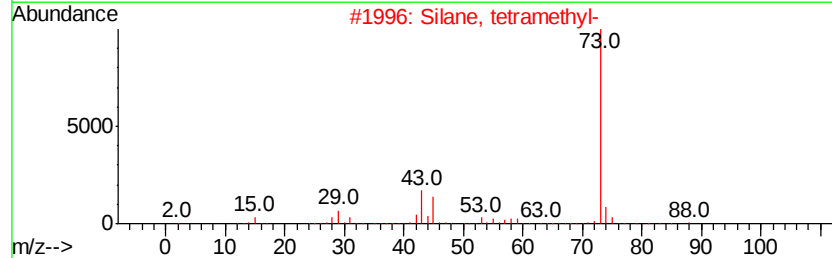
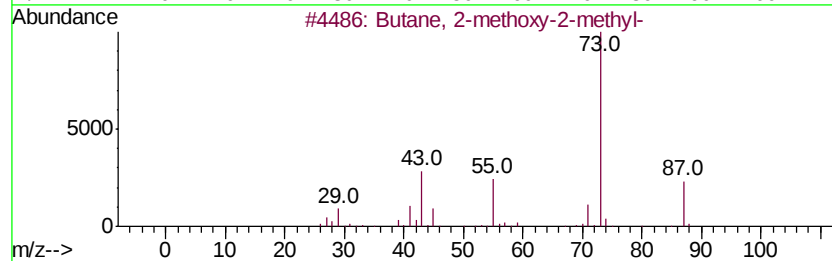
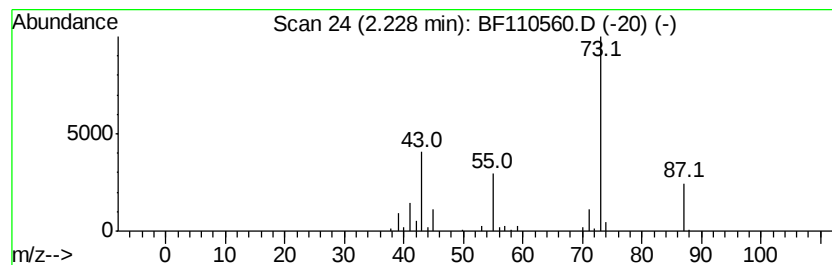
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ClientSampleId :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 7

| R.T.      | EstConc                     | Area   | Relative to ISTD       | R.T.        |      |
|-----------|-----------------------------|--------|------------------------|-------------|------|
| 2.23      | 6.34 ng                     | 155163 | 1,4-Dichlorobenzene-d4 | 6.95        |      |
| Hit# of 5 | Tentative ID                | MW     | MolForm                | CAS#        | Qual |
| 1         | Butane, 2-methoxy-2-methyl- | 102    | C6H14O                 | 000994-05-8 | 83   |
| 2         | Silane, tetramethyl-        | 88     | C4H12Si                | 000075-76-3 | 25   |
| 3         | Pentane, 3-methoxy-         | 102    | C6H14O                 | 036839-67-5 | 17   |
| 4         | 1-Propene-1-thiol           | 74     | C3H6S                  | 000925-89-3 | 9    |
| 5         | 1,3-Dioxolane, 2-methyl-    | 88     | C4H8O2                 | 000497-26-7 | 9    |



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Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
BU-01-110518

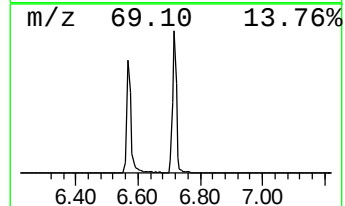
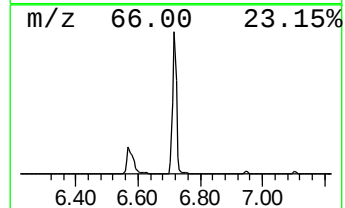
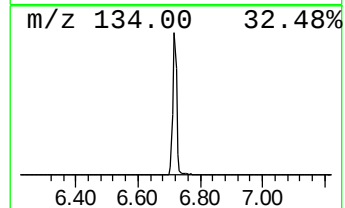
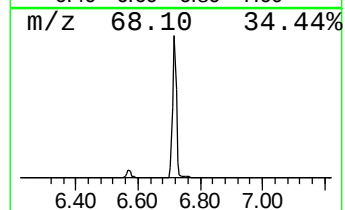
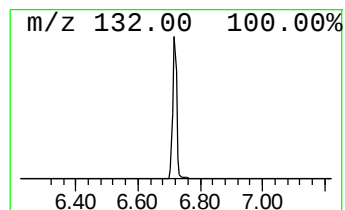
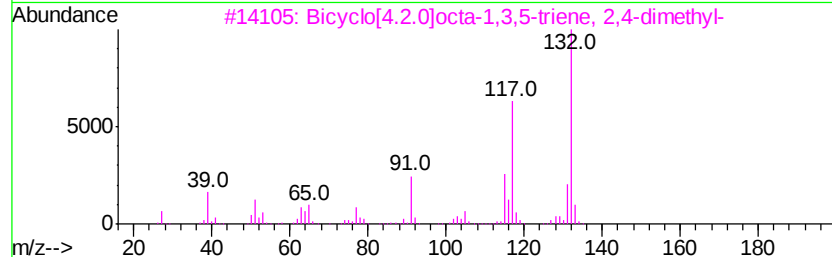
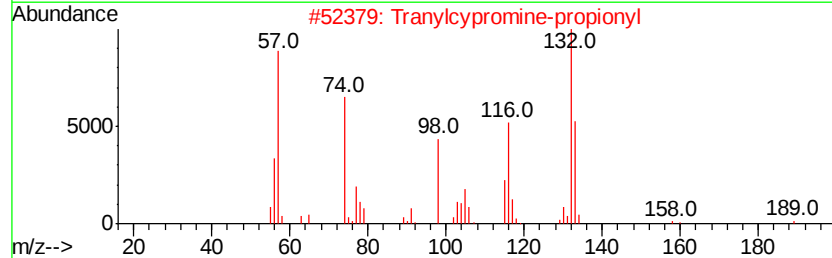
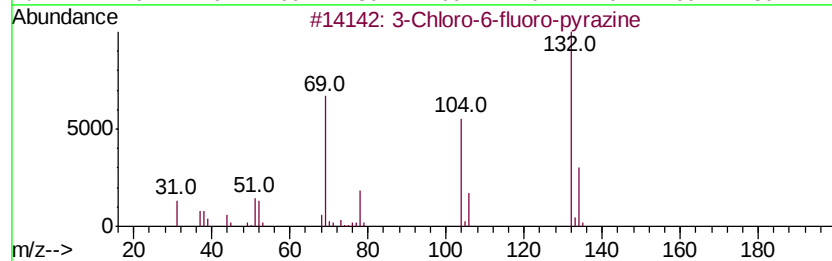
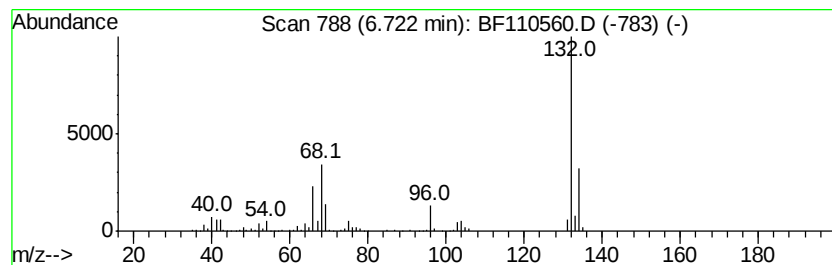
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 2 unknown6.72 Concentration Rank 1

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 6.72 | 37.28 ng | 912933 | 1,4-Dichlorobenzene-d4 | 6.95 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 35   |
| 2    |    | Tranylcypromine-propionyl           | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 3    |    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12    | 028749-81-7  | 9    |
| 4    |    | (E)-3-Chloro-2-methyl-2-pentenal    | 132 | C6H9ClO   | 031357-76-3  | 9    |
| 5    |    | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2    | 022291-85-6  | 9    |



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ALS Vial : 5 Sample Multiplier: 1

Instrument :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

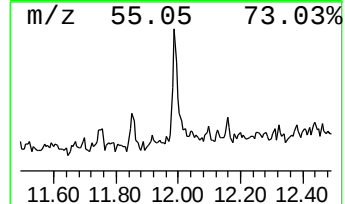
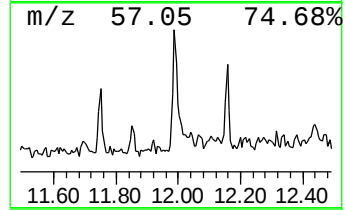
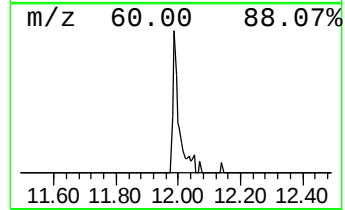
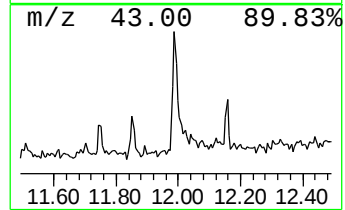
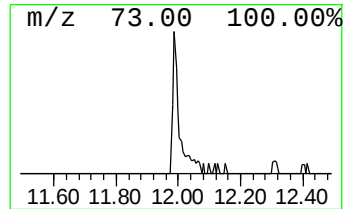
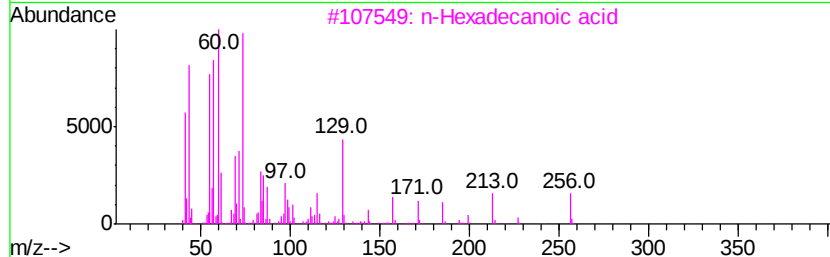
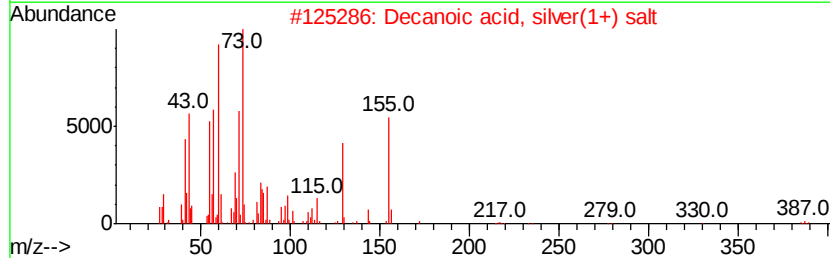
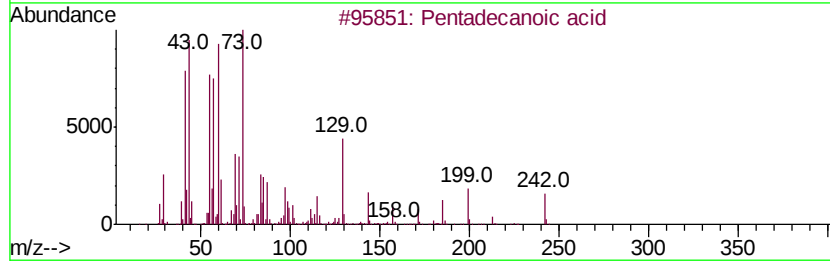
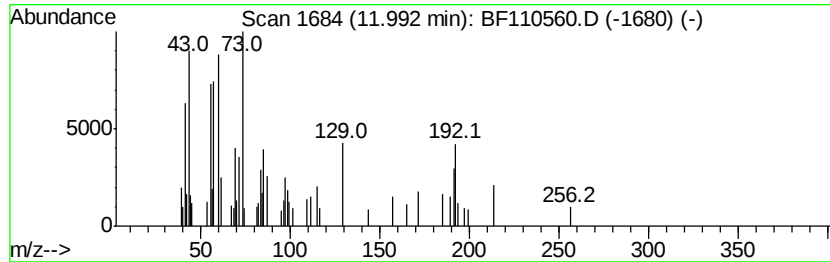
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Pentadecanoic acid Concentration Rank 10

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 11.99 | 3.47 ng | 86026 | Phenanthrene-d10 | 11.49 |

| Hit# of | 5 | Tentative ID                   | MW  | MolForm    | CAS#        | Qual |
|---------|---|--------------------------------|-----|------------|-------------|------|
| 1       |   | Pentadecanoic acid             | 242 | C15H30O2   | 001002-84-2 | 81   |
| 2       |   | Decanoic acid, silver(1+) salt | 278 | C10H19AgO2 | 013126-67-5 | 64   |
| 3       |   | n-Hexadecanoic acid            | 256 | C16H32O2   | 000057-10-3 | 60   |
| 4       |   | Tridecanoic acid               | 214 | C13H26O2   | 000638-53-9 | 58   |
| 5       |   | Tetradecanoic acid             | 228 | C14H28O2   | 000544-63-8 | 52   |



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ALS Vial : 5 Sample Multiplier: 1

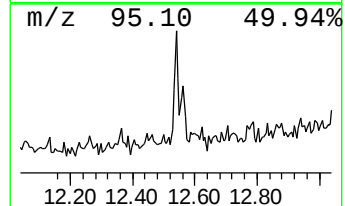
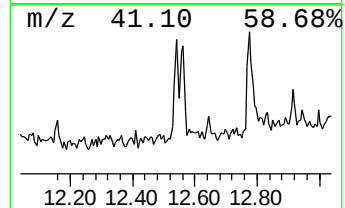
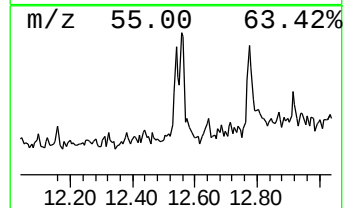
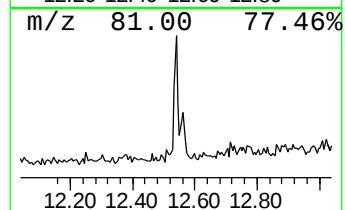
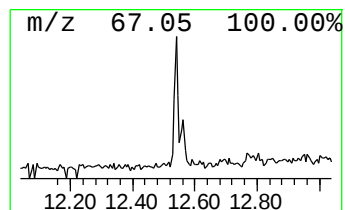
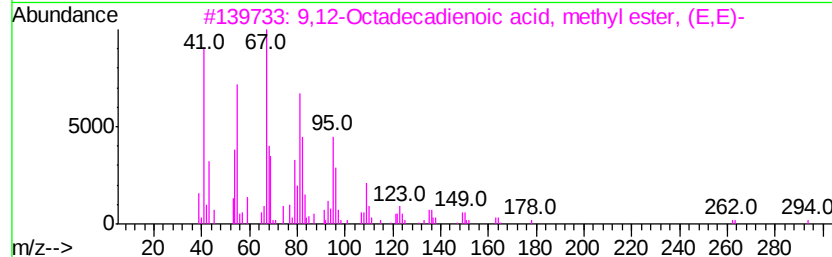
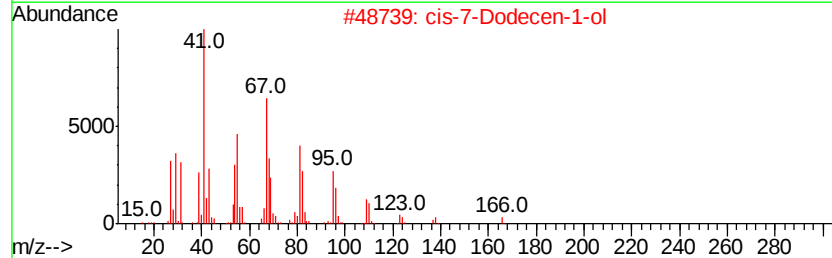
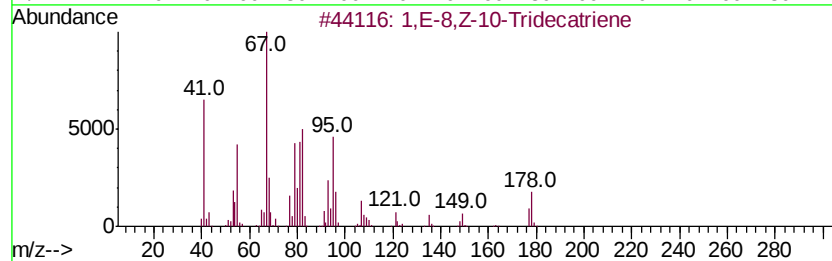
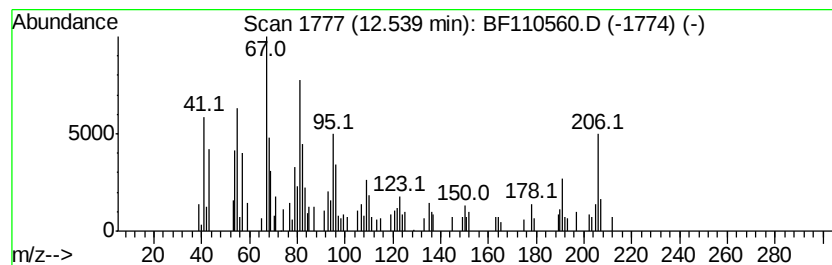
Instrument :  
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TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 1,E-8,Z-10-Tridecatriene Concentration Rank 11

| R.T.      | EstConc                             | Area  | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|-------|------------------|-------------|------|
| 12.54     | 2.71 ng                             | 67396 | Phenanthrene-d10 | 11.49       |      |
| Hit# of 5 | Tentative ID                        | MW    | MolForm          | CAS#        | Qual |
| 1         | 1,E-8,Z-10-Tridecatriene            | 178   | C13H22           | 080625-30-5 | 86   |
| 2         | cis-7-Dodecen-1-ol                  | 184   | C12H24O          | 020056-92-2 | 64   |
| 3         | 9,12-Octadecadienoic acid, methv... | 294   | C19H34O2         | 002566-97-4 | 64   |
| 4         | 3,4-Octadiene, 7-methyl-            | 124   | C9H16            | 037050-05-8 | 62   |
| 5         | 9-Octadecynoic acid, methyl ester   | 294   | C19H34O2         | 001120-32-7 | 62   |



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Sample : J5762-01 2X  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

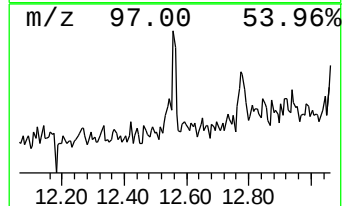
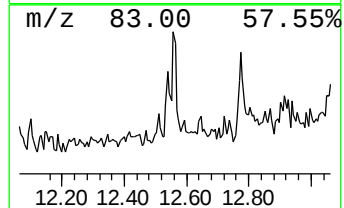
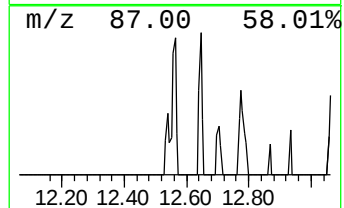
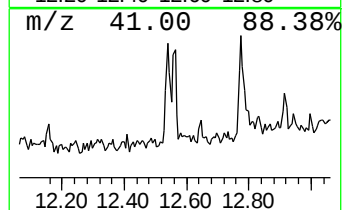
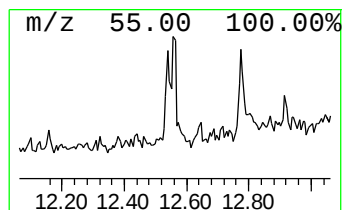
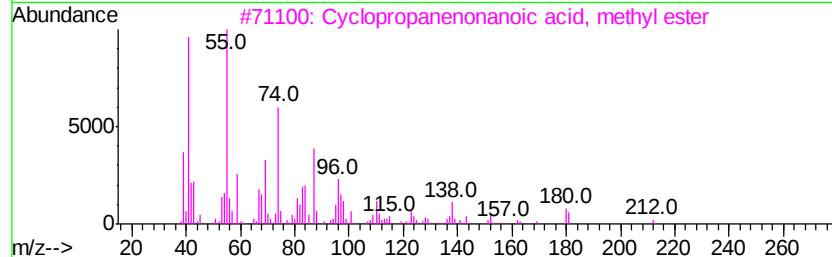
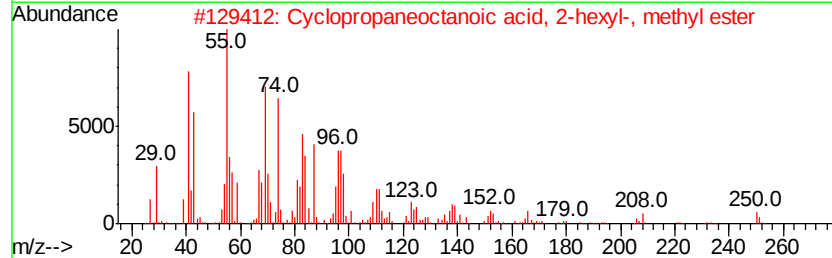
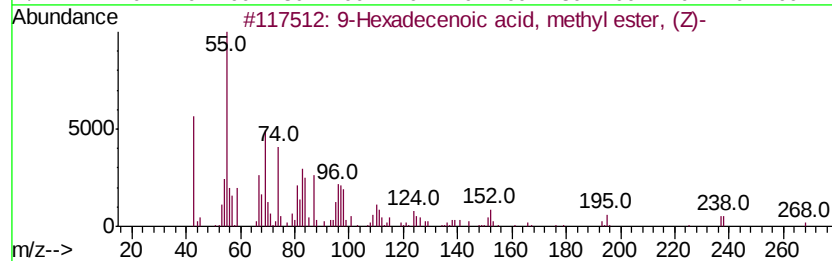
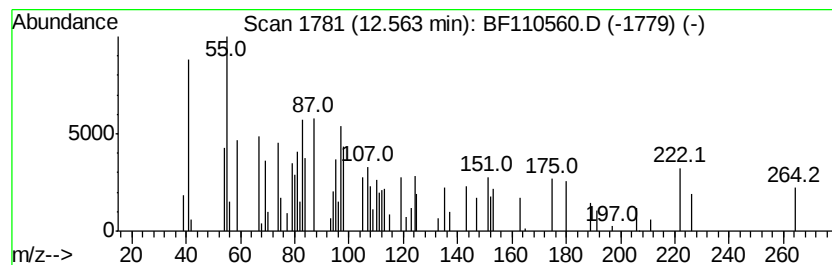
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ClientSampleId :  
BU-01-110518

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 6 unknown12.56 Concentration Rank 14

| R.T.    | EstConc                             | Area         | Relative to ISTD | R.T.      |
|---------|-------------------------------------|--------------|------------------|-----------|
| 12.56   | 2.04 ng                             | 50711        | Phenanthrene-d10 | 11.49     |
| Hit# of | 5                                   | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | 9-Hexadecenoic acid, methyl este... | 268 C17H32O2 | 001120-25-8      | 47        |
| 2       | Cyclopropaneoctanoic acid, 2-hex... | 282 C18H34O2 | 010152-61-1      | 35        |
| 3       | Cyclopropanenonanoic acid, methv... | 212 C13H24O2 | 010152-60-0      | 25        |
| 4       | 9-Dodecenoic acid, methyl ester,... | 212 C13H24O2 | 055030-26-7      | 25        |
| 5       | Z-9-Pentadecenol                    | 226 C15H30O  | 1000130-76-9     | 22        |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110718\  
Data File : BF110560.D  
Acq On : 7 Nov 2018 17:27  
Operator : JU/SJ  
Sample : J5762-01 2X  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
BU-01-110518

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

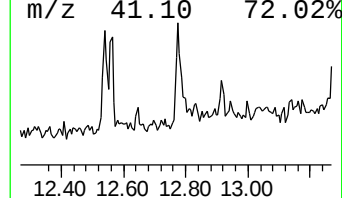
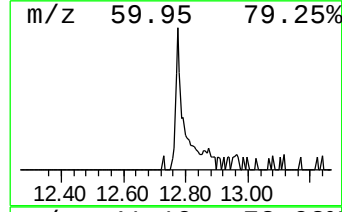
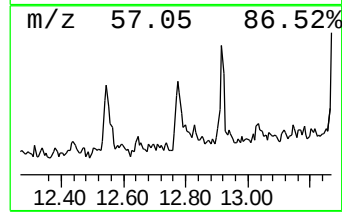
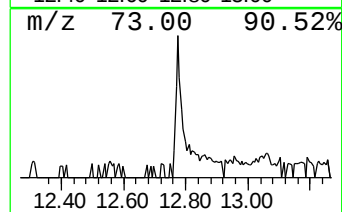
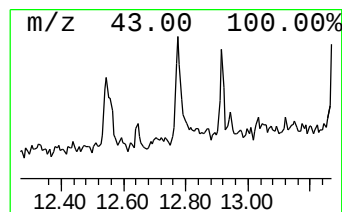
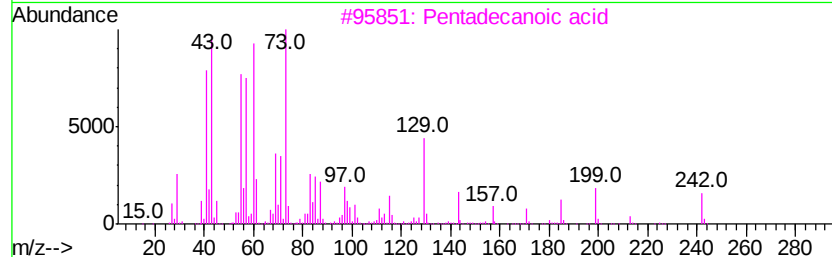
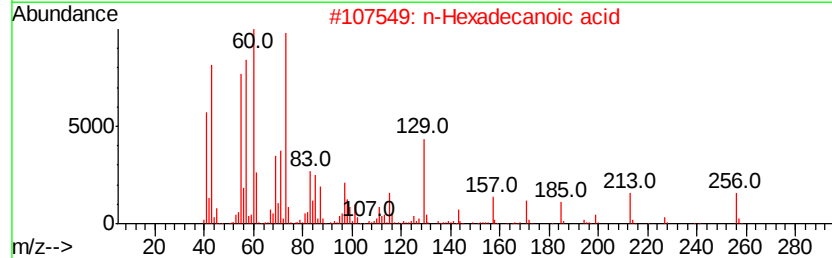
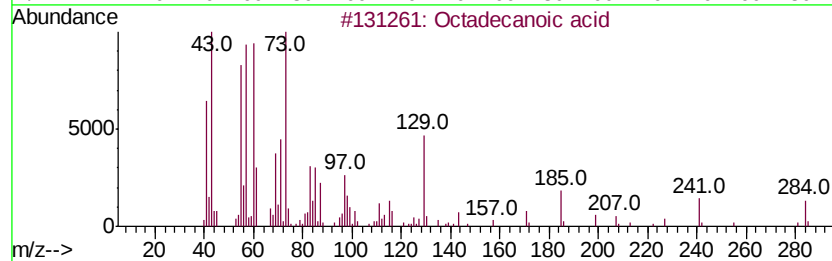
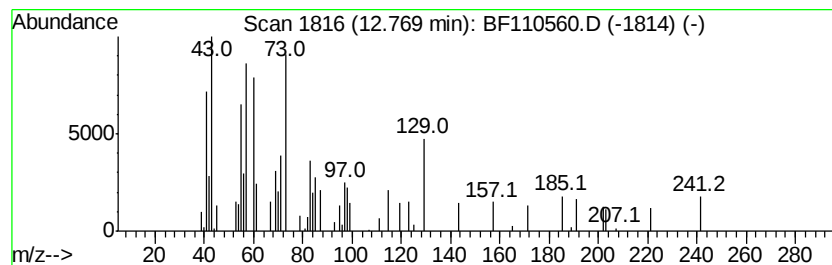
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 Octadecanoic acid Concentration Rank 12

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 12.77 | 2.39 ng | 59414 | Phenanthrene-d10 | 11.49 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------|-----|----------|-------------|------|
| 1    |    |   | Octadecanoic acid   | 284 | C18H36O2 | 000057-11-4 | 97   |
| 2    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 68   |
| 3    |    |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 64   |
| 4    |    |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 53   |
| 5    |    |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 53   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110718\  
Data File : BF110560.D  
Acq On : 7 Nov 2018 17:27  
Operator : JU/SJ  
Sample : J5762-01 2X  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
BU-01-110518

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

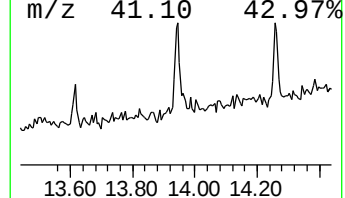
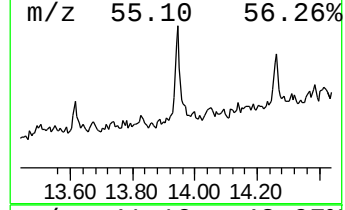
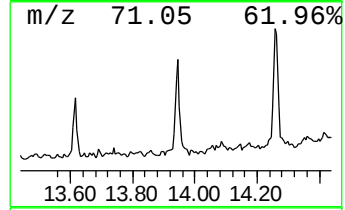
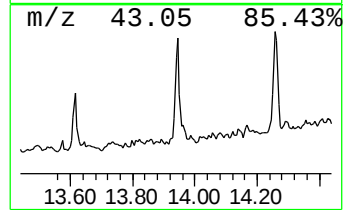
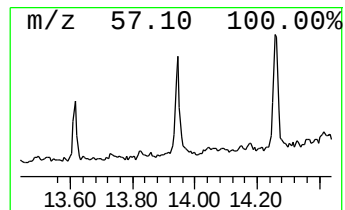
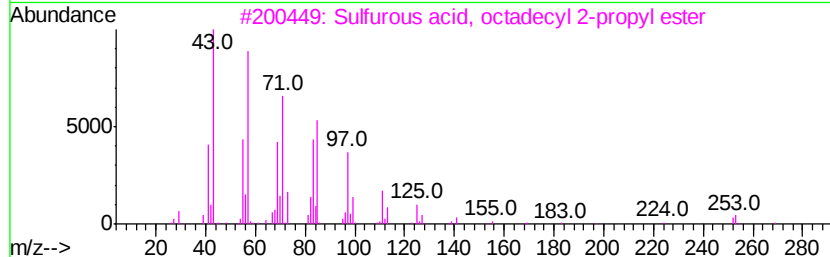
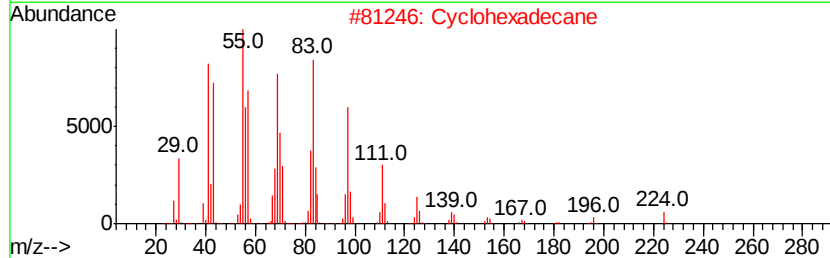
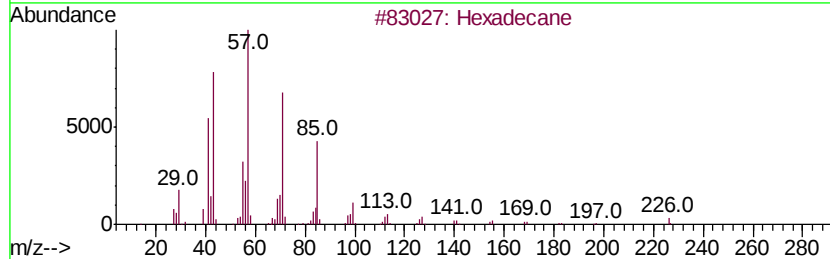
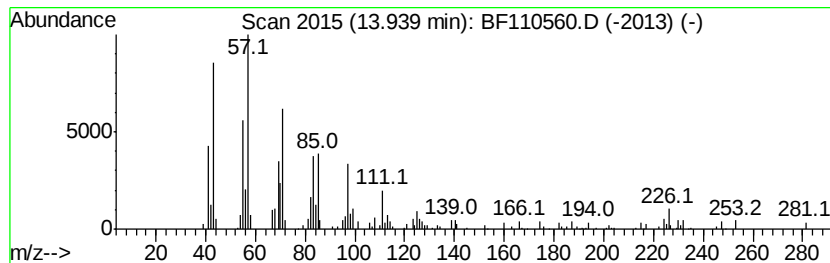
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 Hexadecane Concentration Rank 9

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 13.94 | 3.68 ng | 99659 | Chrysene-d12     | 14.13 |

| Hit# of | 5                                   | Tentative ID | MW  | MolForm   | CAS#         | Qual |
|---------|-------------------------------------|--------------|-----|-----------|--------------|------|
| 1       | Hexadecane                          |              | 226 | C16H34    | 000544-76-3  | 90   |
| 2       | Cyclohexadecane                     |              | 224 | C16H32    | 000295-65-8  | 84   |
| 3       | Sulfurous acid, octadecyl 2-prop... |              | 376 | C21H44O3S | 1000309-12-7 | 83   |
| 4       | Oxalic acid, isobutyl hexadecyl ... |              | 370 | C22H42O4  | 1000309-38-1 | 68   |
| 5       | Cyclotetradecane                    |              | 196 | C14H28    | 000295-17-0  | 60   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110718\  
Data File : BF110560.D  
Acq On : 7 Nov 2018 17:27  
Operator : JU/SJ  
Sample : J5762-01 2X  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
BU-01-110518

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

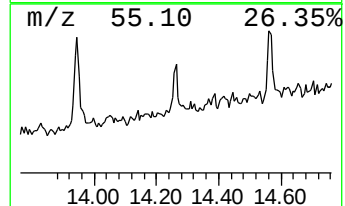
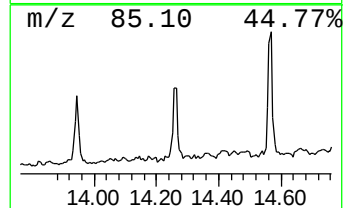
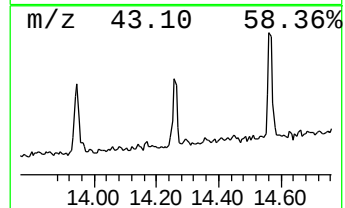
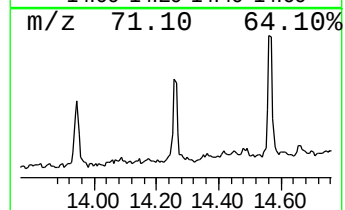
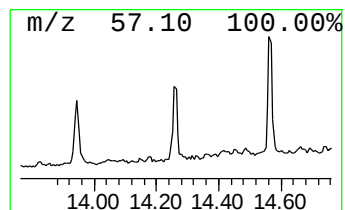
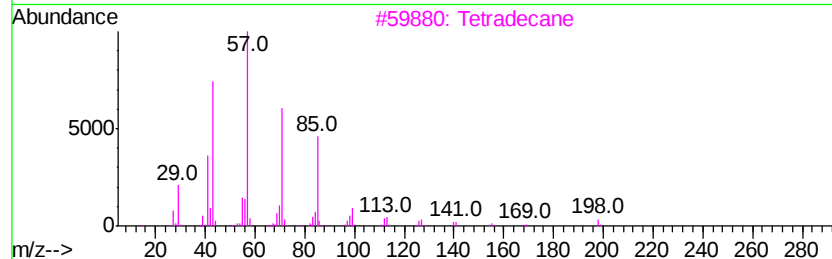
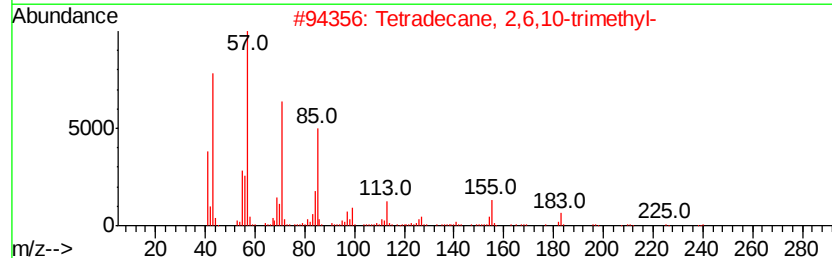
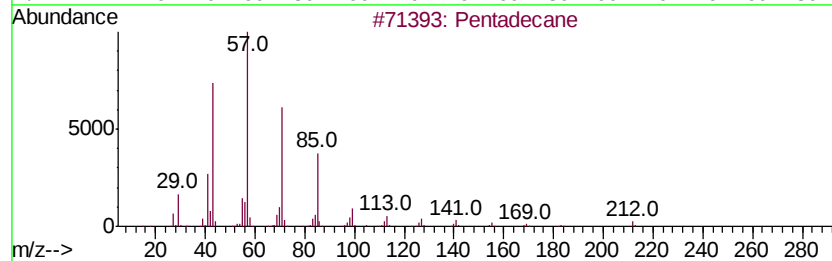
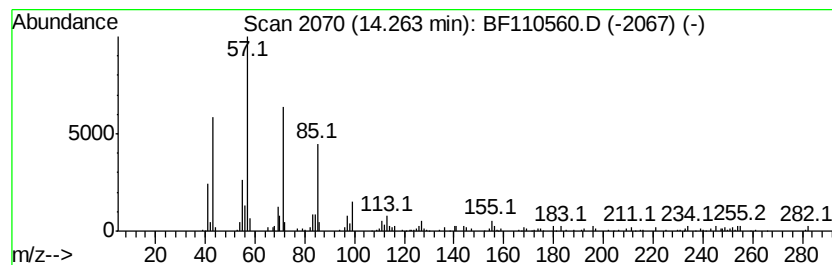
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 Pentadecane Concentration Rank 13

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 14.26 | 2.39 ng | 64747 | Chrysene-d12     | 14.13 |

| Hit# | of | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------|-----|---------|-------------|------|
| 1    | 5  | Pentadecane                    | 212 | C15H32  | 000629-62-9 | 96   |
| 2    |    | Tetradecane, 2,6,10-trimethyl- | 240 | C17H36  | 014905-56-7 | 90   |
| 3    |    | Tetradecane                    | 198 | C14H30  | 000629-59-4 | 90   |
| 4    |    | Heptadecane                    | 240 | C17H36  | 000629-78-7 | 87   |
| 5    |    | Octacosane                     | 394 | C28H58  | 000630-02-4 | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110718\  
Data File : BF110560.D  
Acq On : 7 Nov 2018 17:27  
Operator : JU/SJ  
Sample : J5762-01 2X  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
BU-01-110518

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

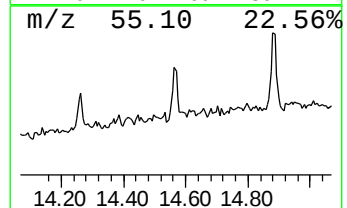
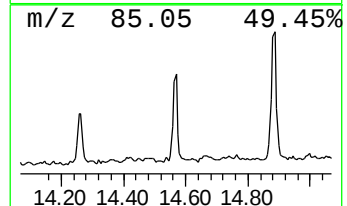
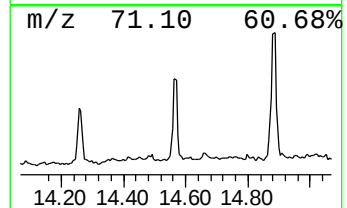
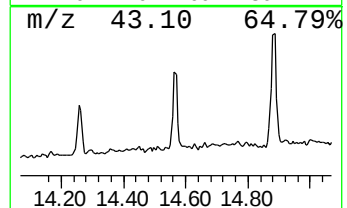
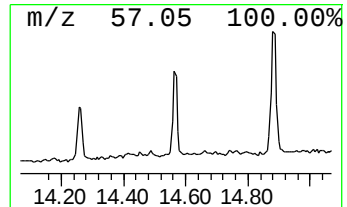
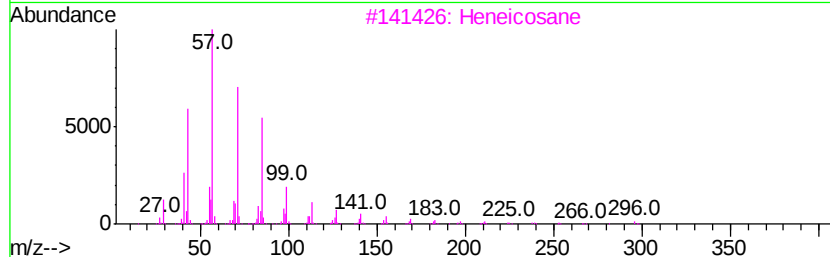
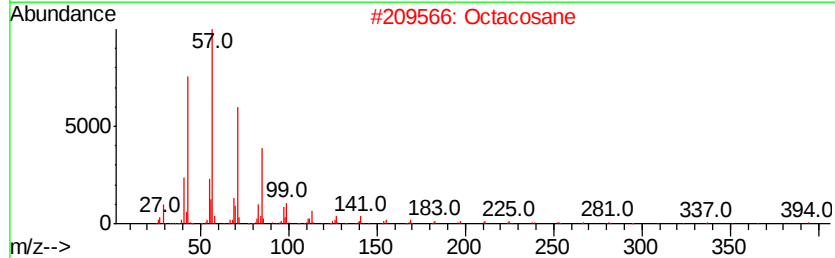
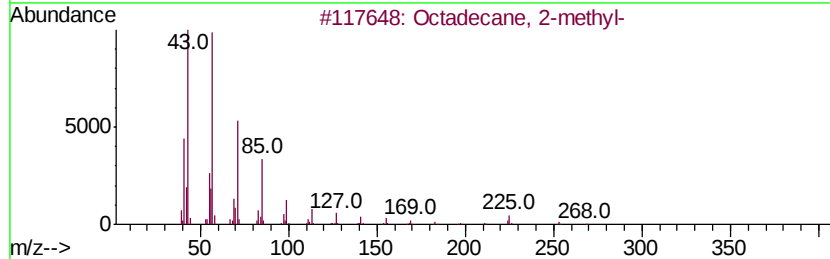
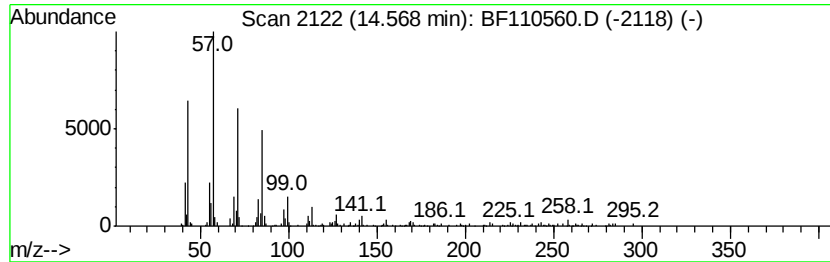
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 10 Octadecane, 2-methyl- Concentration Rank 8

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 14.57 | 5.89 ng | 159271 | Chrysene-d12     | 14.13 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Octadecane, 2-methyl- | 268 | C19H40  | 001560-88-9 | 93   |
| 2    |    | Octacosane            | 394 | C28H58  | 000630-02-4 | 90   |
| 3    |    | Heneicosane           | 296 | C21H44  | 000629-94-7 | 90   |
| 4    |    | Dodecane, 1-iodo-     | 296 | C12H25I | 004292-19-7 | 87   |
| 5    |    | Octadecane            | 254 | C18H38  | 000593-45-3 | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110718\  
Data File : BF110560.D  
Acq On : 7 Nov 2018 17:27  
Operator : JU/SJ  
Sample : J5762-01 2X  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
BU-01-110518

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

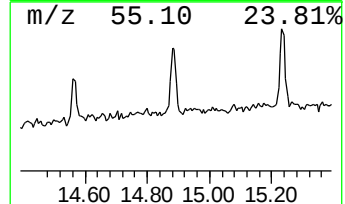
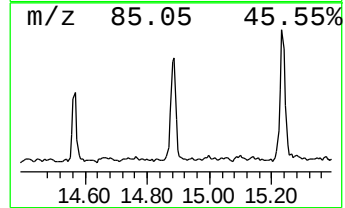
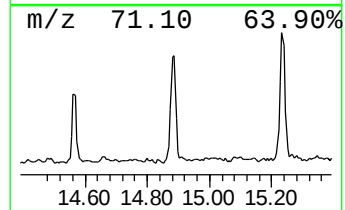
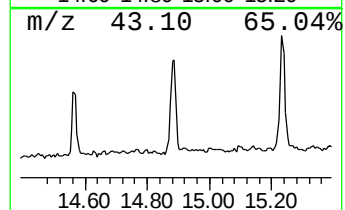
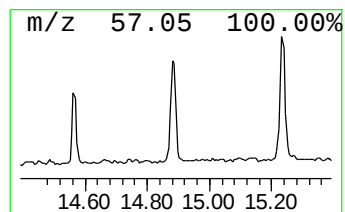
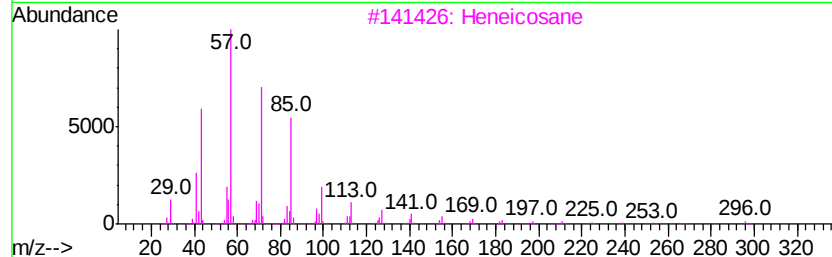
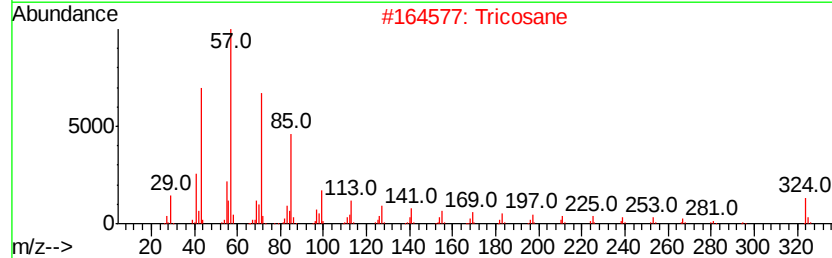
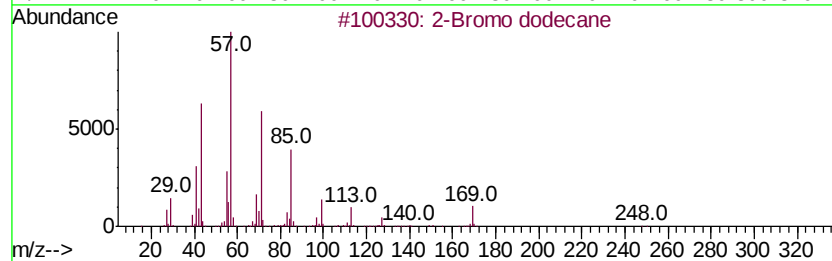
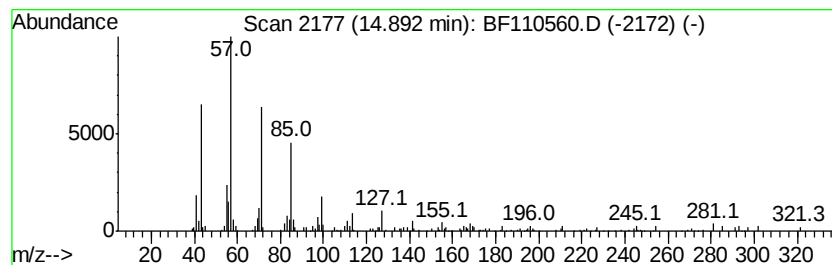
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 11 2-Bromo dodecane Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 14.89 | 7.28 ng | 197077 | Chrysene-d12     | 14.13 |

| Hit# | of | Tentative ID        | MW  | MolForm  | CAS#         | Qual |
|------|----|---------------------|-----|----------|--------------|------|
| 1    | 5  | 2-Bromo dodecane    | 248 | C12H25Br | 013187-99-0  | 93   |
| 2    |    | Tricosane           | 324 | C23H48   | 000638-67-5  | 91   |
| 3    |    | Heneicosane         | 296 | C21H44   | 000629-94-7  | 90   |
| 4    |    | 2-methyloctacosane  | 408 | C29H60   | 1000376-72-8 | 90   |
| 5    |    | Docosane, 11-butyl- | 366 | C26H54   | 013475-76-8  | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110718\  
 Data File : BF110560.D  
 Acq On : 7 Nov 2018 17:27  
 Operator : JU/SJ  
 Sample : J5762-01 2X  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 BU-01-110518

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

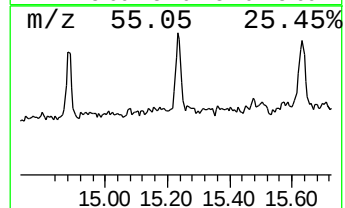
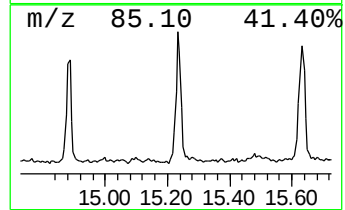
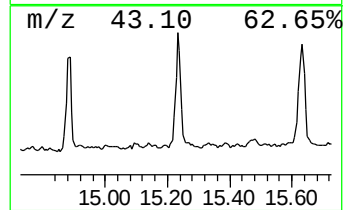
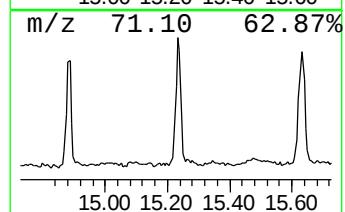
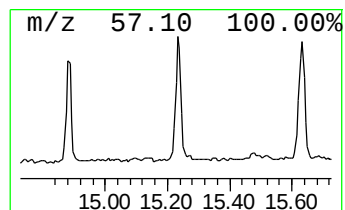
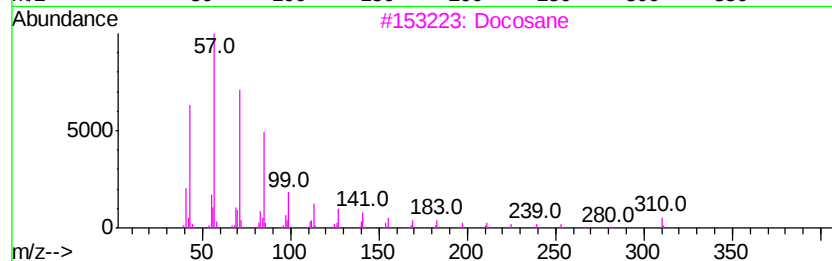
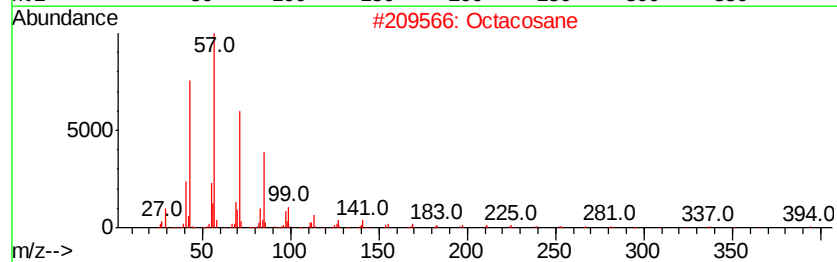
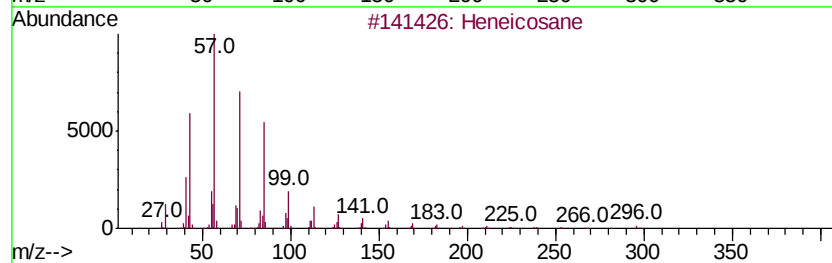
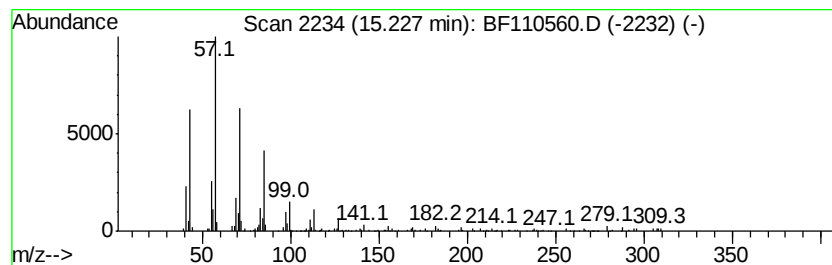
TIC Library : C:\DATABASE\NIST11.L  
 TIC Integration Parameters: LSCINT.P

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 Peak Number 12 Heneicosane Concentration Rank 3

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 15.23 | 11.98 ng | 250216 | Perylene-d12     | 15.66 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Heneicosane           | 296 | C21H44  | 000629-94-7 | 95   |
| 2    |    | Octacosane            | 394 | C28H58  | 000630-02-4 | 91   |
| 3    |    | Docosane              | 310 | C22H46  | 000629-97-0 | 90   |
| 4    |    | Nonadecane, 2-methyl- | 282 | C20H42  | 001560-86-7 | 90   |
| 5    |    | Hexacosane            | 366 | C26H54  | 000630-01-3 | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110718\  
Data File : BF110560.D  
Acq On : 7 Nov 2018 17:27  
Operator : JU/SJ  
Sample : J5762-01 2X  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
BU-01-110518

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

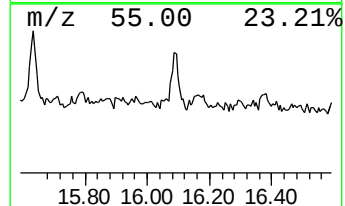
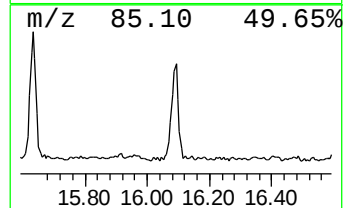
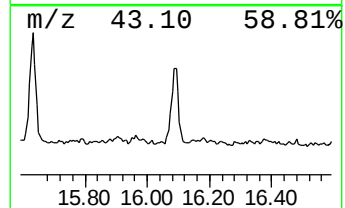
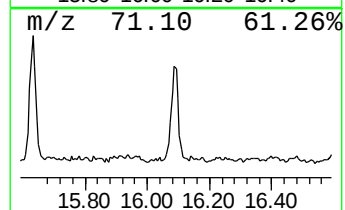
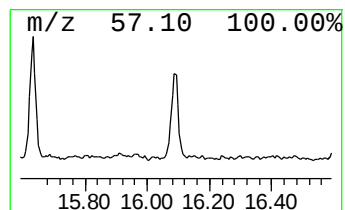
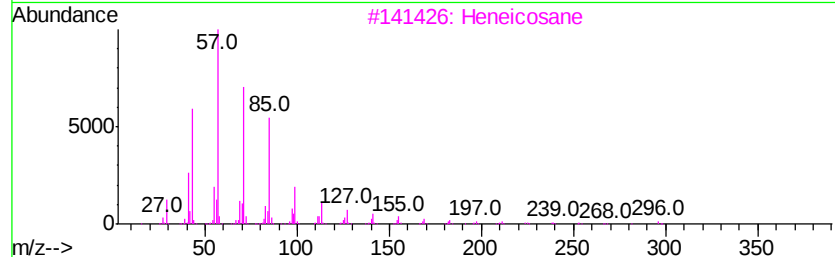
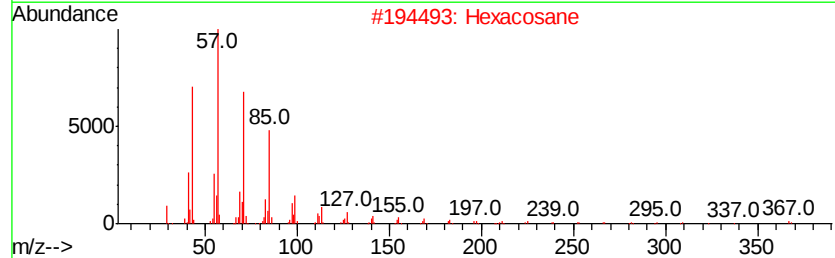
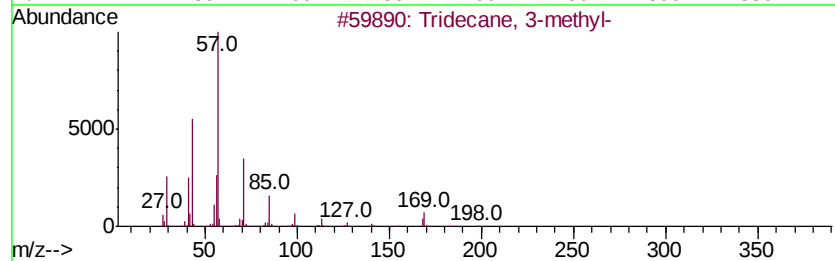
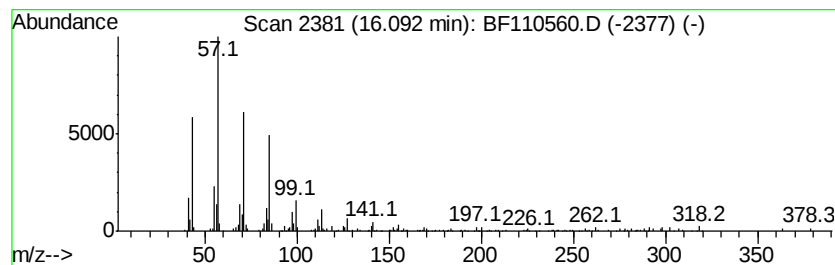
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 13 Tridecane, 3-methyl- Concentration Rank 4

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 16.09 | 10.65 ng | 222487 | Perylene-d12     | 15.66 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Tridecane, 3-methyl-  | 198 | C14H30  | 006418-41-3 | 90   |
| 2    |    | Hexacosane            | 366 | C26H54  | 000630-01-3 | 90   |
| 3    |    | Heneicosane           | 296 | C21H44  | 000629-94-7 | 90   |
| 4    |    | Tetracosane           | 338 | C24H50  | 000646-31-1 | 87   |
| 5    |    | Decane, 3,8-dimethyl- | 170 | C12H26  | 017312-55-9 | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110718\  
Data File : BF110560.D  
Acq On : 7 Nov 2018 17:27  
Operator : JU/SJ  
Sample : J5762-01 2X  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
BU-01-110518

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

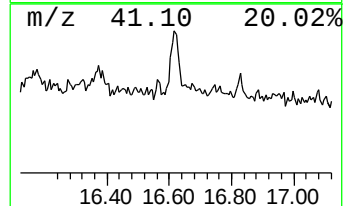
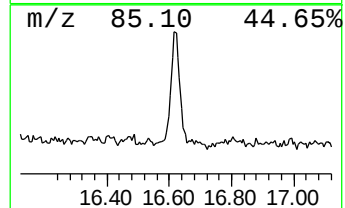
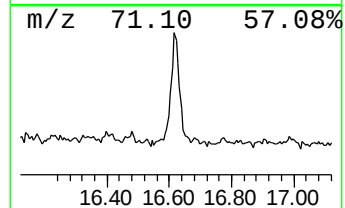
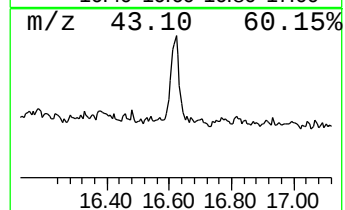
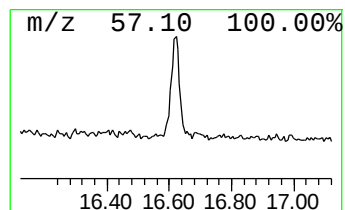
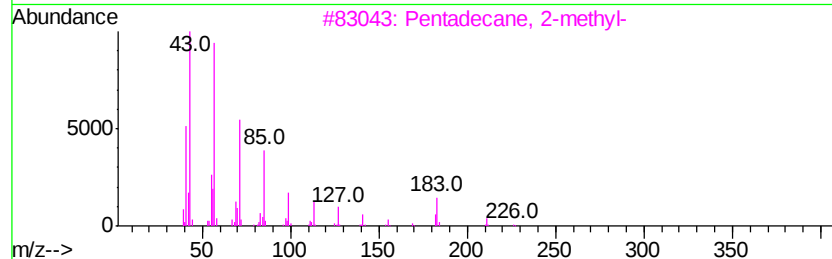
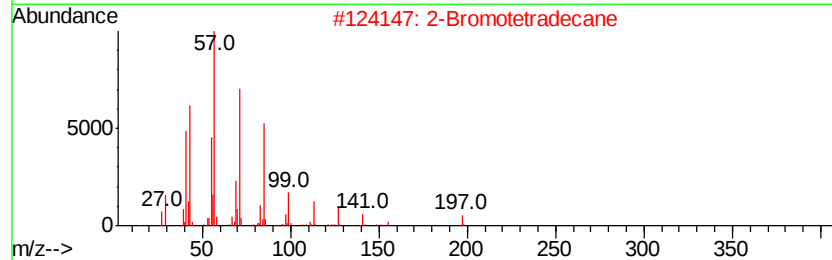
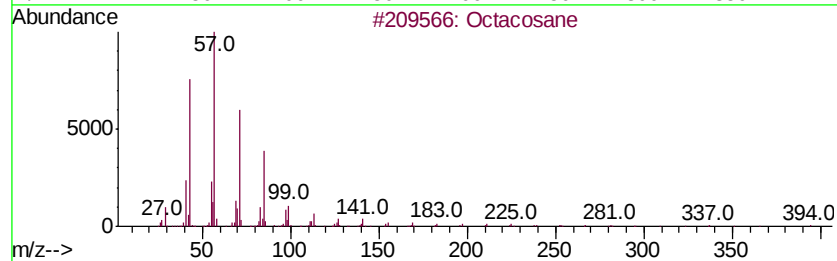
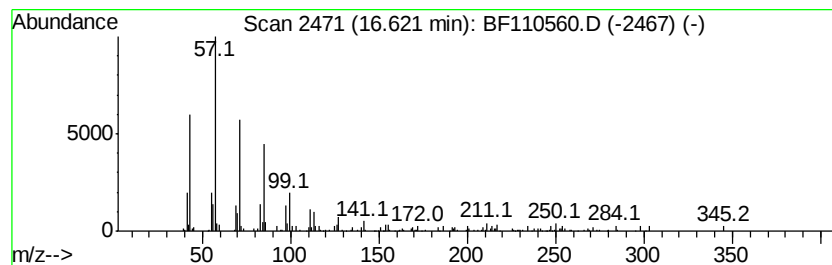
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 14 Octacosane Concentration Rank 6

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 16.62 | 6.40 ng | 133630 | Perylene-d12     | 15.66 |

| Hit# | of | Tentative ID           | MW  | MolForm  | CAS#        | Qual |
|------|----|------------------------|-----|----------|-------------|------|
| 1    | 5  | Octacosane             | 394 | C28H58   | 000630-02-4 | 87   |
| 2    |    | 2-Bromotetradecane     | 276 | C14H29Br | 074036-95-6 | 86   |
| 3    |    | Pentadecane, 2-methyl- | 226 | C16H34   | 001560-93-6 | 86   |
| 4    |    | 2-Bromo dodecane       | 248 | C12H25Br | 013187-99-0 | 86   |
| 5    |    | Pentacosane            | 352 | C25H52   | 000629-99-2 | 86   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF110718\  
 Data File : BF110560.D  
 Acq On : 7 Nov 2018 17:27  
 Operator : JU/SJ  
 Sample : J5762-01 2X  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 BU-01-110518

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF102318.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 |
| Butane, 2-methoxy... | 2.23  | 6.3     | ng    | 155163   | 1                     | 6.95  | 489776 | 20.0 |
| unknown6.72          | 6.72  | 37.3    | ng    | 912933   | 1                     | 6.95  | 489776 | 20.0 |
| Pentadecanoic acid   | 11.99 | 3.5     | ng    | 86026    | 4                     | 11.49 | 496487 | 20.0 |
| 1,E-8,Z-10-Tridec... | 12.54 | 2.7     | ng    | 67396    | 4                     | 11.49 | 496487 | 20.0 |
| unknown12.56         | 12.56 | 2.0     | ng    | 50711    | 4                     | 11.49 | 496487 | 20.0 |
| Octadecanoic acid    | 12.77 | 2.4     | ng    | 59414    | 4                     | 11.49 | 496487 | 20.0 |
| Hexadecane           | 13.94 | 3.7     | ng    | 99659    | 5                     | 14.13 | 541113 | 20.0 |
| Pentadecane          | 14.26 | 2.4     | ng    | 64747    | 5                     | 14.13 | 541113 | 20.0 |
| Octadecane, 2-met... | 14.57 | 5.9     | ng    | 159271   | 5                     | 14.13 | 541113 | 20.0 |
| 2-Bromo dodecane     | 14.89 | 7.3     | ng    | 197077   | 5                     | 14.13 | 541113 | 20.0 |
| Heneicosane          | 15.23 | 12.0    | ng    | 250216   | 6                     | 15.66 | 417657 | 20.0 |
| Tridecane, 3-methyl- | 16.09 | 10.7    | ng    | 222487   | 6                     | 15.66 | 417657 | 20.0 |
| Octacosane           | 16.62 | 6.4     | ng    | 133630   | 6                     | 15.66 | 417657 | 20.0 |