

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF062719\  
 Data File : BF115237.D  
 Acq On : 27 Jun 2019 15:41  
 Operator : HP/JU  
 Sample : K3526-10  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-05-COMP

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-BF062119.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         | 4.425       | 418           | 423         | 428          | rVB      | 92986          | 114224        | 2.81%           | 0.279%        |
| 2         | 5.190       | 548           | 553         | 557          | rBV      | 3261382        | 3352013       | 82.57%          | 8.193%        |
| 3         | 6.237       | 726           | 731         | 734          | rBV      | 3808151        | 3544220       | 87.30%          | 8.663%        |
| 4         | 6.266       | 734           | 736         | 745          | rVB      | 92326          | 83417         | 2.05%           | 0.204%        |
| 5         | 6.366       | 748           | 753         | 756          | rBV      | 4013255        | 3676615       | 90.56%          | 8.987%        |
| 6         | 6.595       | 789           | 792         | 796          | rBV      | 1573862        | 1267801       | 31.23%          | 3.099%        |
| 7         | 6.754       | 815           | 819         | 822          | rBV      | 3694674        | 2955457       | 72.80%          | 7.224%        |
| 8         | 7.154       | 883           | 887         | 890          | rBV      | 2481678        | 2235113       | 55.06%          | 5.463%        |
| 9         | 7.878       | 1006          | 1010        | 1013         | rBV      | 2103606        | 1608417       | 39.62%          | 3.931%        |
| 10        | 8.954       | 1189          | 1193        | 1196         | rBV      | 4898512        | 3985883       | 98.18%          | 9.743%        |
| 11        | 9.348       | 1257          | 1260        | 1268         | rVB      | 626953         | 479523        | 11.81%          | 1.172%        |
| 12        | 9.625       | 1303          | 1307        | 1310         | rBV      | 2037122        | 1818658       | 44.80%          | 4.445%        |
| 13        | 10.401      | 1435          | 1439        | 1443         | rBV      | 2972079        | 2518123       | 62.03%          | 6.155%        |
| 14        | 11.095      | 1553          | 1557        | 1560         | rBV      | 2290178        | 1980896       | 48.79%          | 4.842%        |
| 15        | 11.642      | 1644          | 1650        | 1657         | rBV3     | 229111         | 347813        | 8.57%           | 0.850%        |
| 16        | 12.295      | 1757          | 1761        | 1764         | rBV      | 221019         | 195084        | 4.81%           | 0.477%        |
| 17        | 12.348      | 1767          | 1770        | 1775         | rVV6     | 63395          | 112449        | 2.77%           | 0.275%        |
| 18        | 12.425      | 1778          | 1783        | 1795         | rVV      | 873288         | 1359995       | 33.50%          | 3.324%        |
| 19        | 12.519      | 1795          | 1799        | 1802         | rVB      | 203163         | 206293        | 5.08%           | 0.504%        |
| 20        | 12.677      | 1822          | 1826        | 1829         | rBV      | 4735995        | 4059759       | 100.00%         | 9.923%        |
| 21        | 13.124      | 1899          | 1902        | 1904         | rBV2     | 47863          | 63028         | 1.55%           | 0.154%        |
| 22        | 13.713      | 1997          | 2002        | 2005         | rBV      | 2115350        | 2059506       | 50.73%          | 5.034%        |
| 23        | 13.919      | 2034          | 2037        | 2041         | rBV      | 83249          | 92928         | 2.29%           | 0.227%        |
| 24        | 14.219      | 2086          | 2088        | 2091         | rBV      | 138009         | 134764        | 3.32%           | 0.329%        |
| 25        | 14.513      | 2136          | 2138        | 2141         | rVB      | 176019         | 149879        | 3.69%           | 0.366%        |
| 26        | 14.577      | 2146          | 2149        | 2152         | rVV      | 224070         | 221053        | 5.44%           | 0.540%        |
| 27        | 14.813      | 2186          | 2189        | 2195         | rVB      | 199967         | 208184        | 5.13%           | 0.509%        |
| 28        | 15.071      | 2229          | 2233        | 2237         | rBV      | 1432670        | 1548068       | 38.13%          | 3.784%        |
| 29        | 15.148      | 2243          | 2246        | 2253         | rVB      | 230511         | 313614        | 7.72%           | 0.767%        |
| 30        | 15.524      | 2307          | 2310        | 2315         | rBV      | 146614         | 219358        | 5.40%           | 0.536%        |

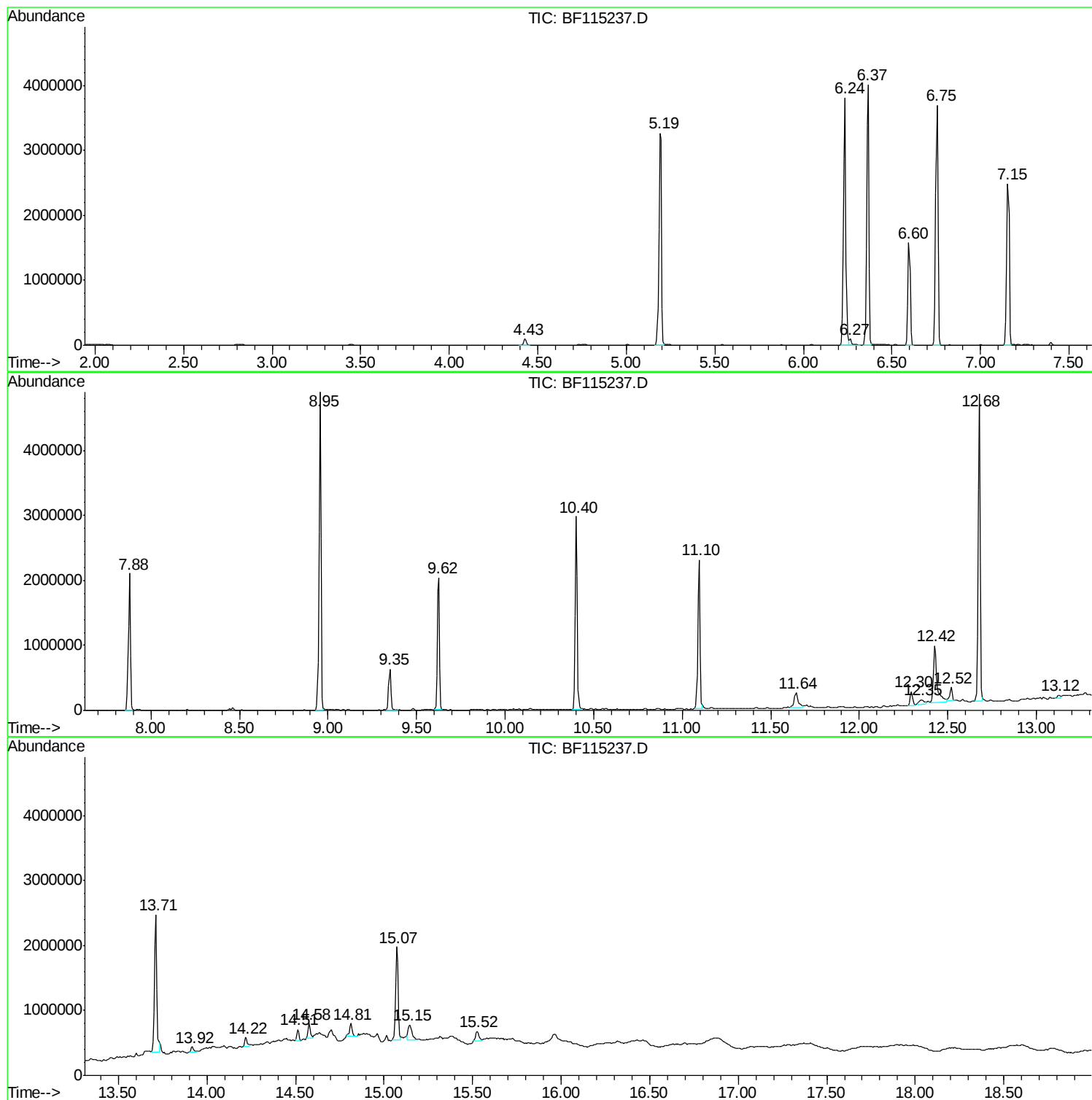
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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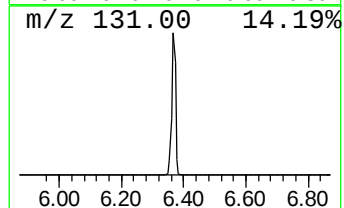
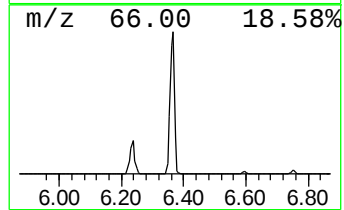
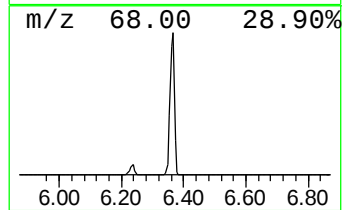
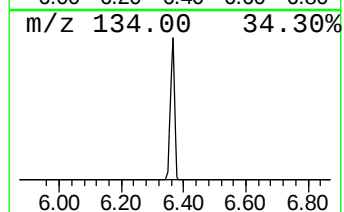
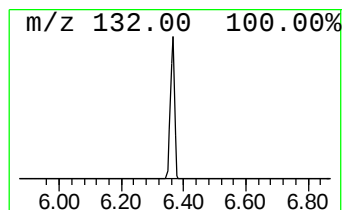
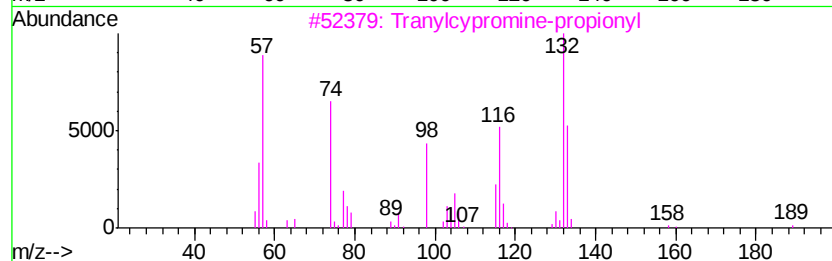
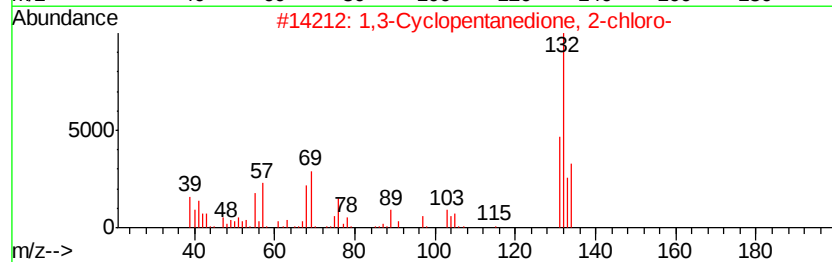
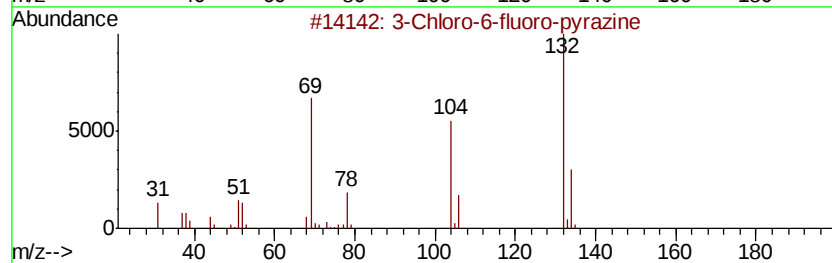
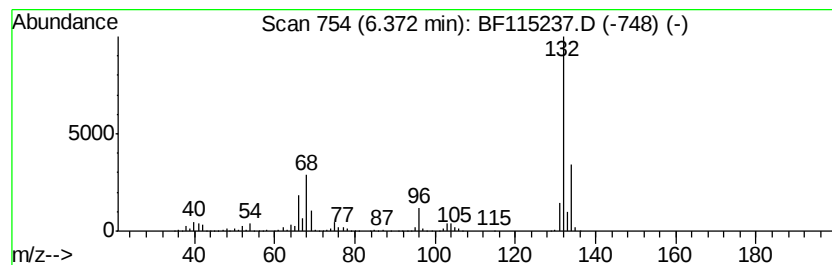
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 unknown6.37 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.37 | 58.00 ng | 3676620 | 1,4-Dichlorobenzene-d4 | 6.60 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 38   |
| 2    |    | 1,3-Cyclopentanedione, 2-chloro- | 132 | C5H5ClO2  | 014203-19-1  | 23   |
| 3    |    | Tranvlcypropine-propionyl        | 189 | C12H15NO  | 1000123-86-3 | 16   |
| 4    |    | 4-Chloro-6-fluoro-pyrimidine     | 132 | C4H2ClFN2 | 051422-01-6  | 9    |
| 5    |    | 4-Chloro-2-fluoro-pyrimidine     | 132 | C4H2ClFN2 | 051422-00-5  | 9    |



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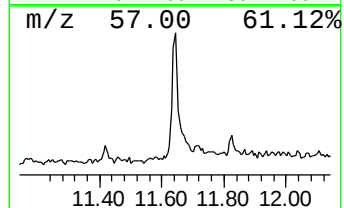
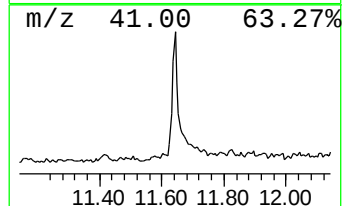
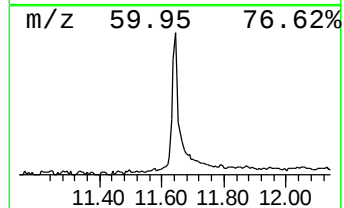
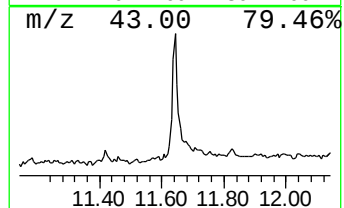
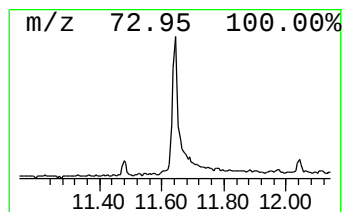
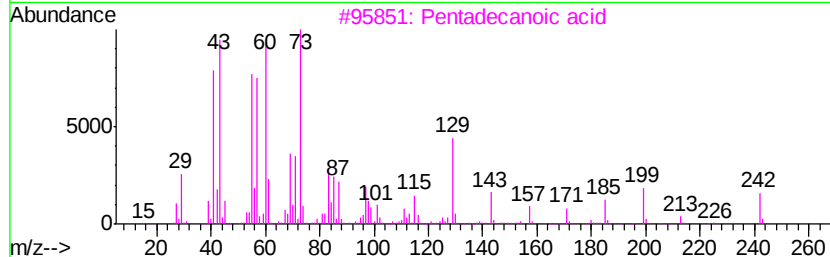
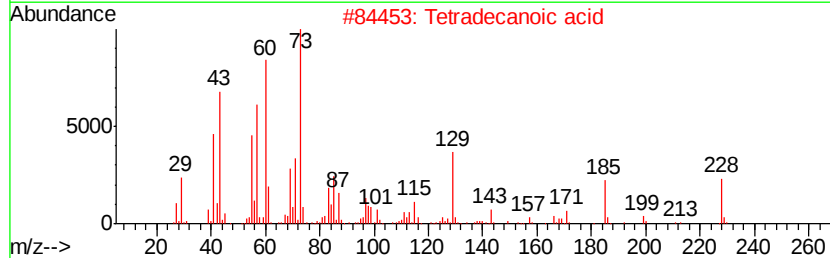
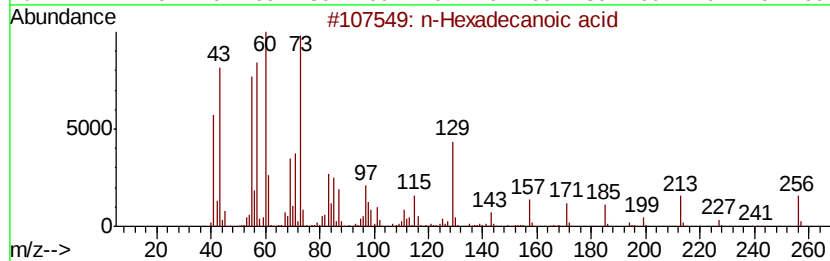
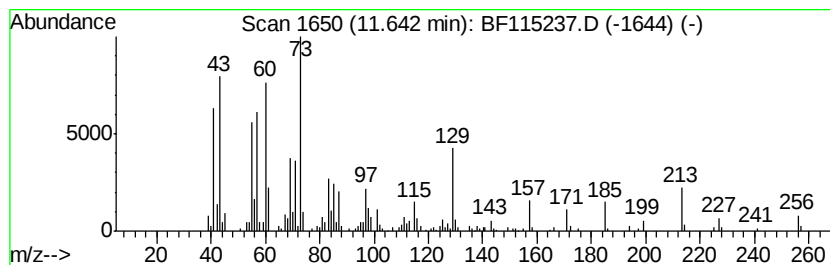
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TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 n-Hexadecanoic acid Concentration Rank 5

| R.T.      | EstConc             | Area   | Relative to ISTD | R.T.        |      |
|-----------|---------------------|--------|------------------|-------------|------|
| 11.64     | 3.51 ng             | 347813 | Phenanthrene-d10 | 11.10       |      |
| Hit# of 5 | Tentative ID        | MW     | MolForm          | CAS#        | Qual |
| 1         | n-Hexadecanoic acid | 256    | C16H32O2         | 000057-10-3 | 98   |
| 2         | Tetradecanoic acid  | 228    | C14H28O2         | 000544-63-8 | 91   |
| 3         | Pentadecanoic acid  | 242    | C15H30O2         | 001002-84-2 | 90   |
| 4         | Tridecanoic acid    | 214    | C13H26O2         | 000638-53-9 | 81   |
| 5         | n-Decanoic acid     | 172    | C10H20O2         | 000334-48-5 | 64   |



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BNA\_F  
ClientSampleId :  
SB-05-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M  
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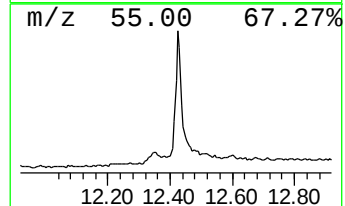
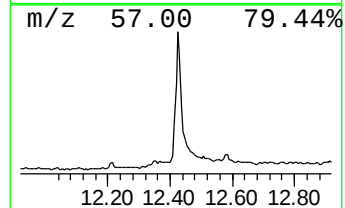
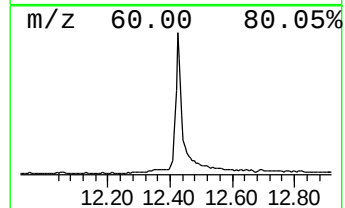
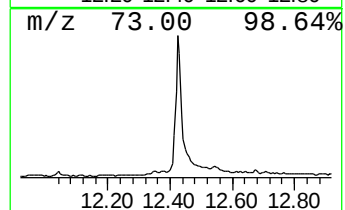
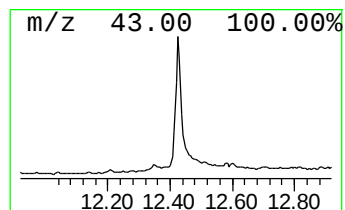
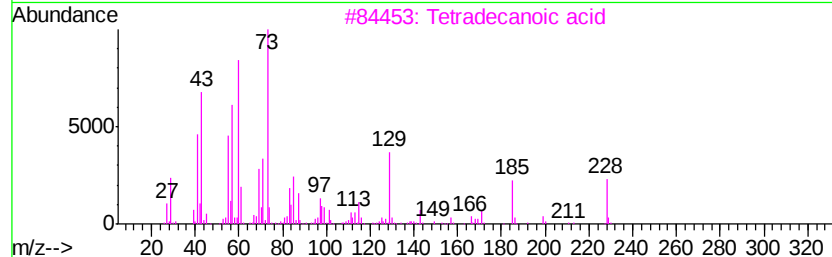
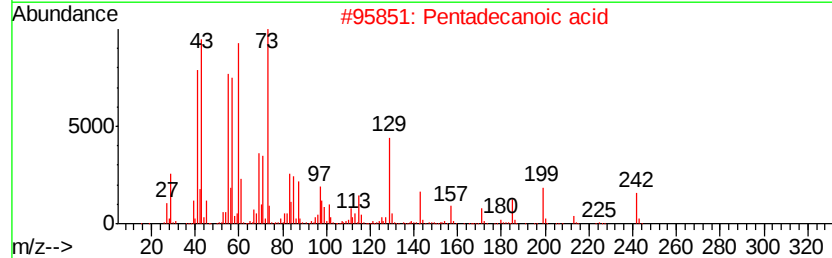
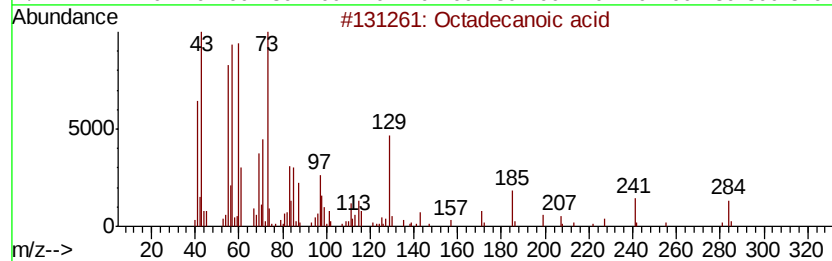
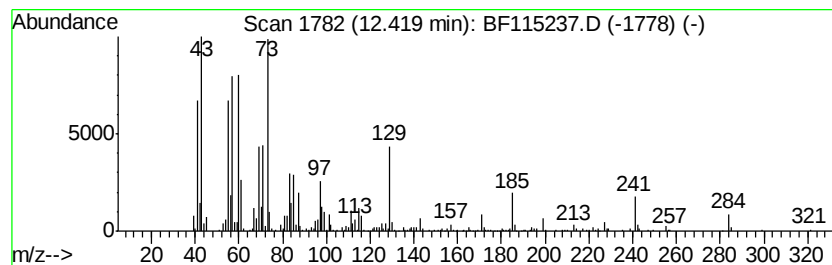
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Octadecanoic acid Concentration Rank 3

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 12.42 | 13.21 ng | 1360000 | Chrysene-d12     | 13.71 |

| Hit# of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|---------|---|---------------------|-----|----------|-------------|------|
| 1       |   | Octadecanoic acid   | 284 | C18H36O2 | 000057-11-4 | 99   |
| 2       |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 93   |
| 3       |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 90   |
| 4       |   | n-Decanoic acid     | 172 | C10H20O2 | 000334-48-5 | 76   |
| 5       |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 74   |



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Instrument :  
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ClientSampleId :  
SB-05-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

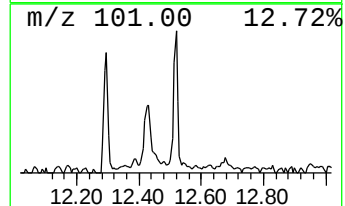
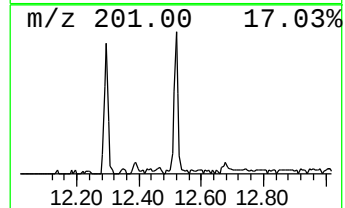
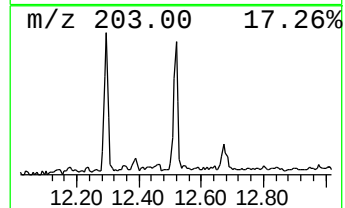
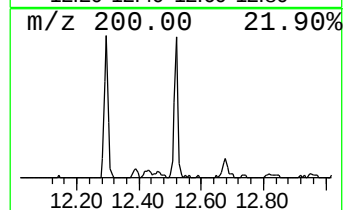
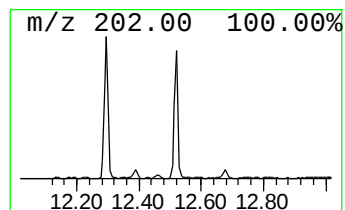
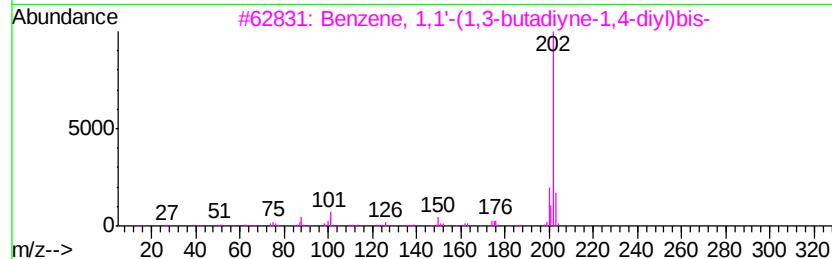
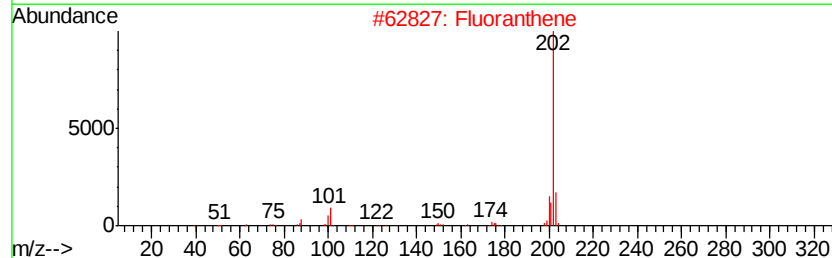
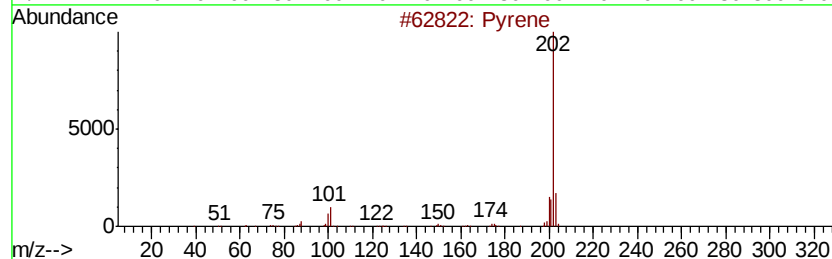
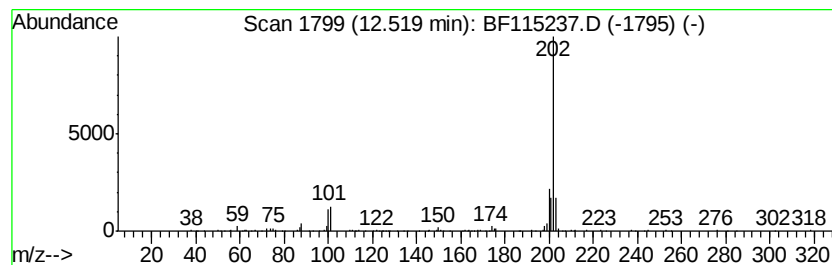
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 unknown12.52 Concentration Rank 9

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 12.52 | 2.00 ng | 206293 | Chrysene-d12     | 13.71 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|-------------------------------------|-----|------------|--------------|------|
| 1    | 5  | Pyrene                              | 202 | C16H10     | 000129-00-0  | 95   |
| 2    |    | Fluoranthene                        | 202 | C16H10     | 000206-44-0  | 81   |
| 3    |    | Benzene, 1,1'-(1,3-butadiene-1,4... | 202 | C16H10     | 000886-66-8  | 45   |
| 4    |    | l-Leucyl-l-leucine, N-N'-dimethy... | 458 | C24H46N2O6 | 1000328-59-3 | 40   |
| 5    |    | Furan-2-one, 2,5-dihydro-5-(4-me... | 202 | C12H10O3   | 024962-84-3  | 37   |



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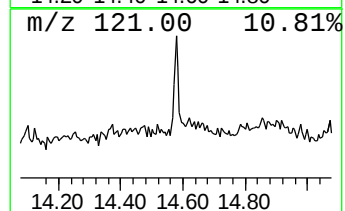
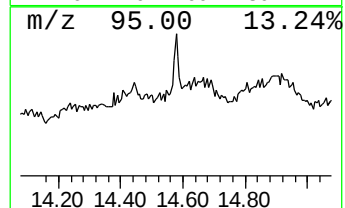
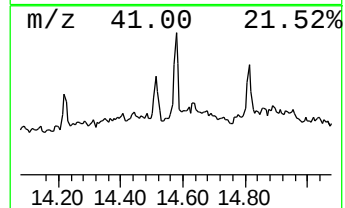
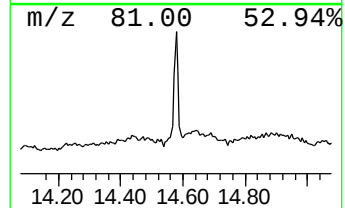
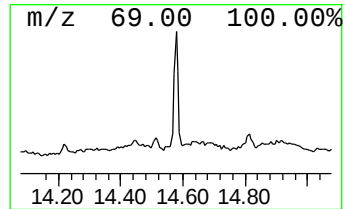
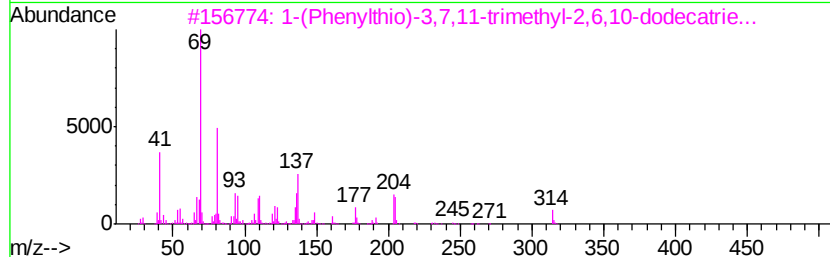
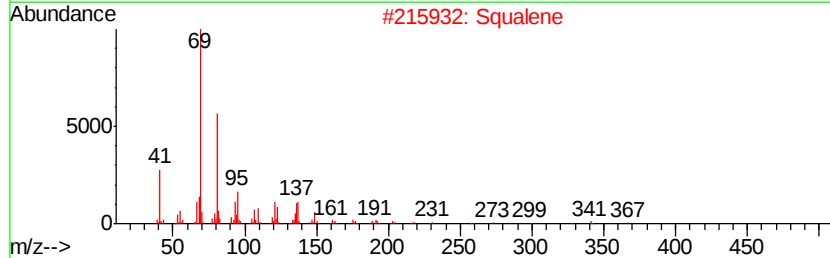
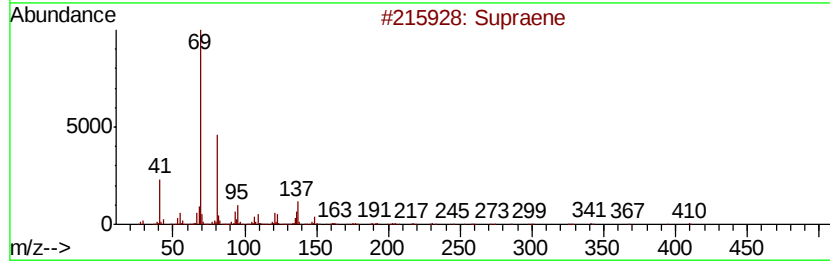
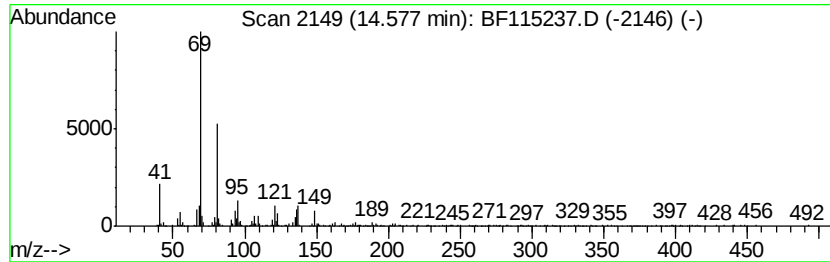
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Supraene Concentration Rank 6

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 14.58 | 2.86 ng | 221053 | Perylene-d12     | 15.07 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Supraene                            | 410 | C30H50  | 007683-64-9 | 93   |
| 2    |    | Squalene                            | 410 | C30H50  | 000111-02-4 | 87   |
| 3    |    | 1-(Phenylthio)-3,7,11-trimethyl-... | 314 | C21H30S | 028413-57-2 | 74   |
| 4    |    | 7,11-Dimethyldodeca-2,6,10-trien... | 208 | C14H24O | 125529-10-4 | 74   |
| 5    |    | 1,5,9-Undecatriene, 2,6,10-trime... | 192 | C14H24  | 062951-96-6 | 72   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062719\  
Data File : BF115237.D  
Acq On : 27 Jun 2019 15:41  
Operator : HP/JU  
Sample : K3526-10  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-05-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

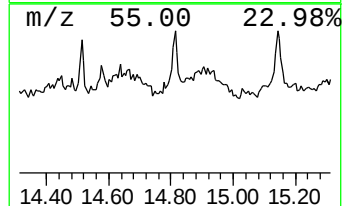
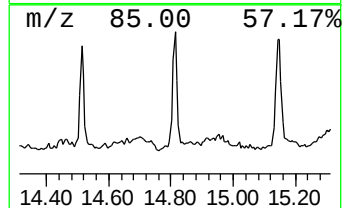
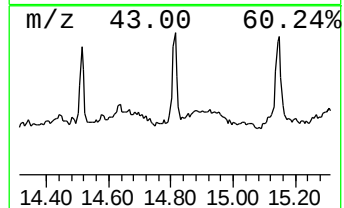
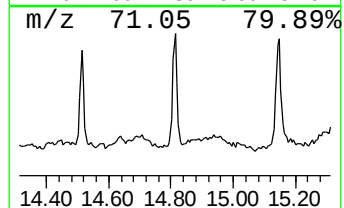
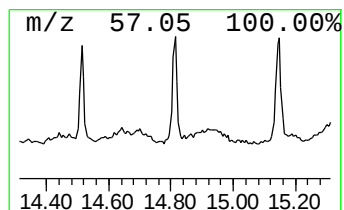
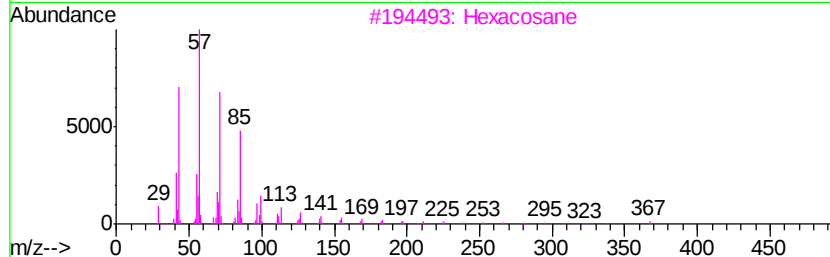
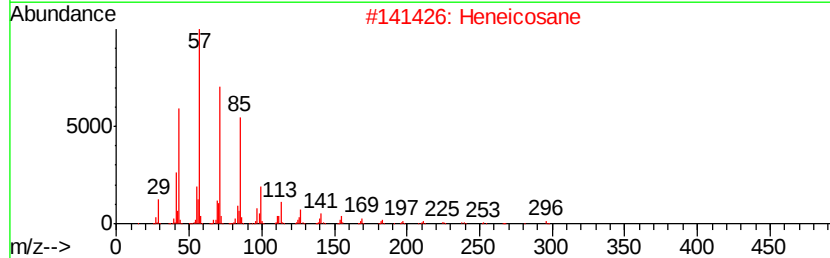
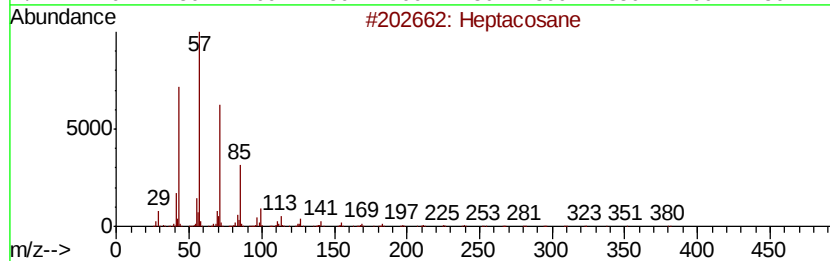
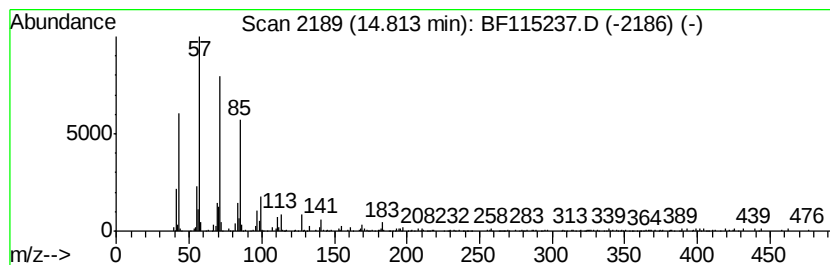
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Heptacosane Concentration Rank 8

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 14.81 | 2.69 ng | 208184 | Perylene-d12     | 15.07 |

| Hit# of | 5                  | Tentative ID | MW  | MolForm | CAS#         | Qual |
|---------|--------------------|--------------|-----|---------|--------------|------|
| 1       | Heptacosane        |              | 380 | C27H56  | 000593-49-7  | 91   |
| 2       | Heneicosane        |              | 296 | C21H44  | 000629-94-7  | 83   |
| 3       | Hexacosane         |              | 366 | C26H54  | 000630-01-3  | 83   |
| 4       | 2-methyloctacosane |              | 408 | C29H60  | 1000376-72-8 | 83   |
| 5       | Tetracosane        |              | 338 | C24H50  | 000646-31-1  | 80   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062719\  
Data File : BF115237.D  
Acq On : 27 Jun 2019 15:41  
Operator : HP/JU  
Sample : K3526-10  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-05-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

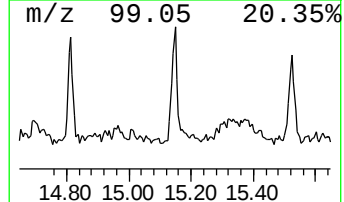
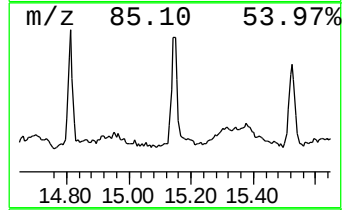
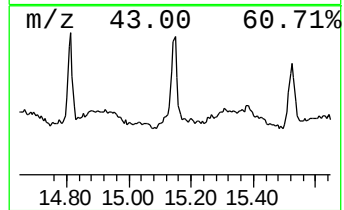
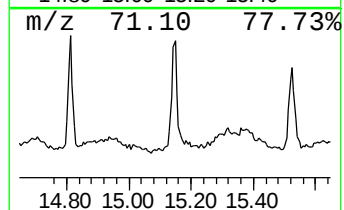
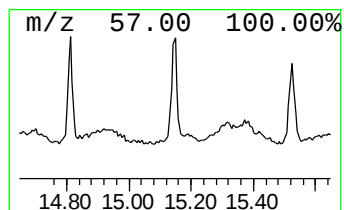
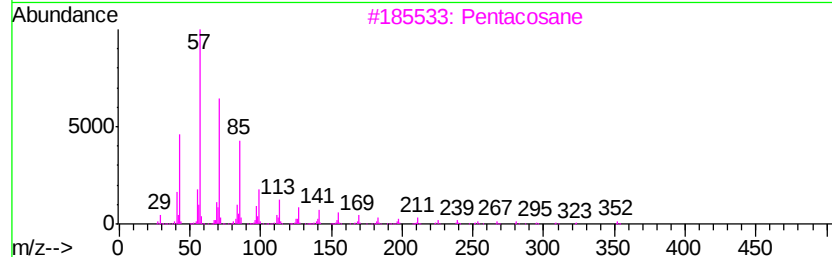
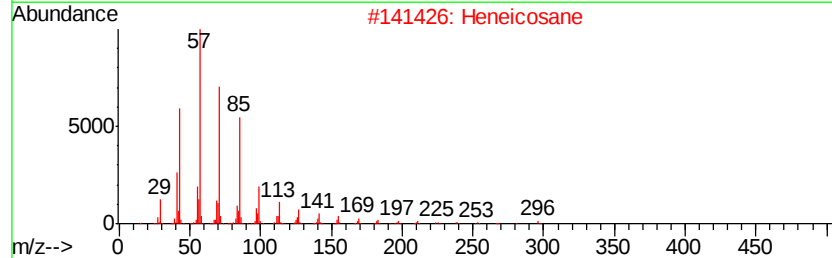
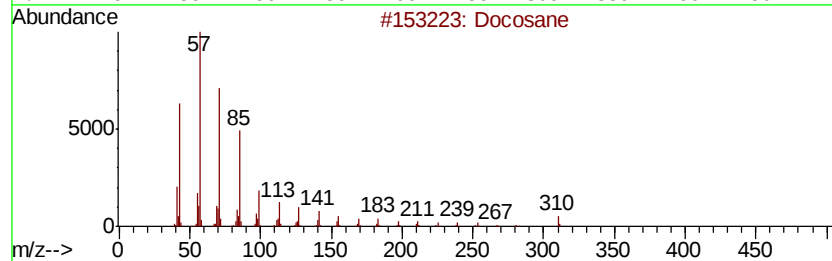
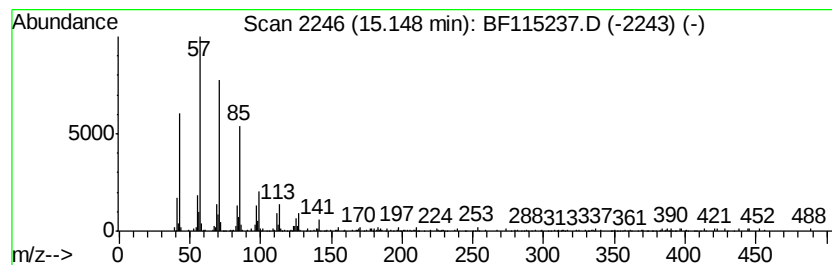
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 Docosane Concentration Rank 4

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 15.15 | 4.05 ng | 313614 | Perylene-d12     | 15.07 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Docosane              | 310 | C22H46  | 000629-97-0 | 83   |
| 2    |    | Heneicosane           | 296 | C21H44  | 000629-94-7 | 83   |
| 3    |    | Pentacosane           | 352 | C25H52  | 000629-99-2 | 83   |
| 4    |    | Tetracosane           | 338 | C24H50  | 000646-31-1 | 83   |
| 5    |    | Decane, 3,6-dimethyl- | 170 | C12H26  | 017312-53-7 | 81   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062719\  
Data File : BF115237.D  
Acq On : 27 Jun 2019 15:41  
Operator : HP/JU  
Sample : K3526-10  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-05-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

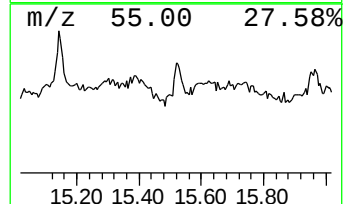
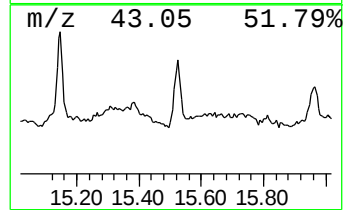
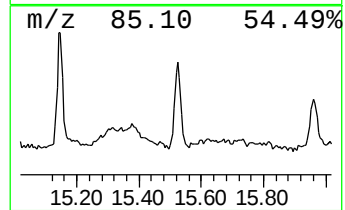
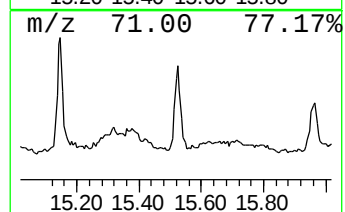
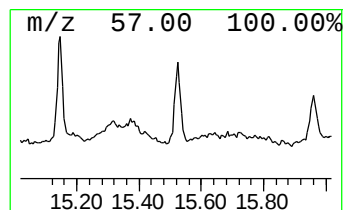
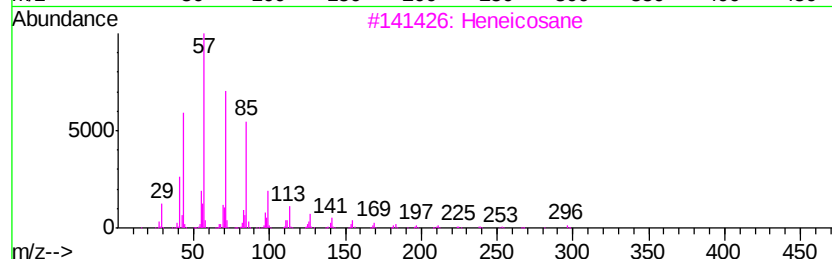
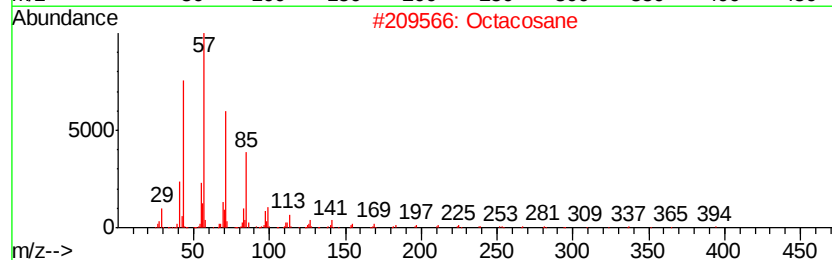
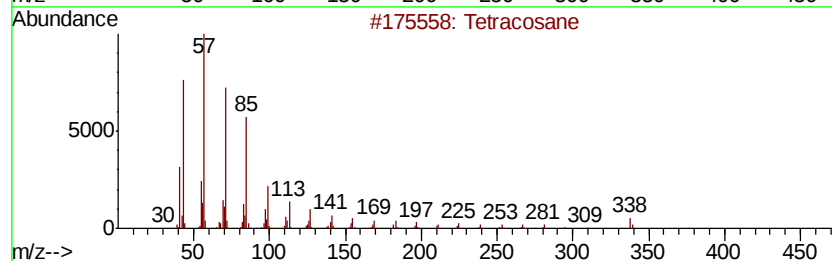
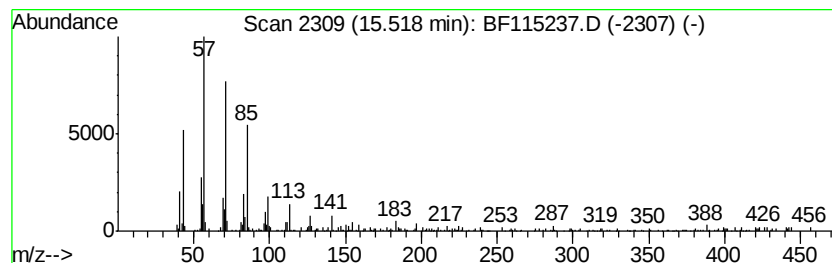
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Tetracosane Concentration Rank 7

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 15.52 | 2.83 ng | 219358 | Perylene-d12     | 15.07 |

| Hit# of | 5                     | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|-----------------------|--------------|-----|---------|-------------|------|
| 1       | Tetracosane           |              | 338 | C24H50  | 000646-31-1 | 95   |
| 2       | Octacosane            |              | 394 | C28H58  | 000630-02-4 | 93   |
| 3       | Heneicosane           |              | 296 | C21H44  | 000629-94-7 | 83   |
| 4       | Hexacosane            |              | 366 | C26H54  | 000630-01-3 | 83   |
| 5       | Decane, 3,8-dimethyl- |              | 170 | C12H26  | 017312-55-9 | 83   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF062719\  
Data File : BF115237.D  
Acq On : 27 Jun 2019 15:41  
Operator : HP/JU  
Sample : K3526-10  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-05-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF062119.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 |
| unknown6.37         | 6.37  | 58.0    | ng    | 3676620  | 1                     | 6.60  | 1267800 | 20.0 |
| n-Hexadecanoic acid | 11.64 | 3.5     | ng    | 347813   | 4                     | 11.10 | 1980900 | 20.0 |
| Octadecanoic acid   | 12.42 | 13.2    | ng    | 1360000  | 5                     | 13.71 | 2059510 | 20.0 |
| unknown12.52        | 12.52 | 2.0     | ng    | 206293   | 5                     | 13.71 | 2059510 | 20.0 |
| Supraene            | 14.58 | 2.9     | ng    | 221053   | 6                     | 15.07 | 1548070 | 20.0 |
| Heptacosane         | 14.81 | 2.7     | ng    | 208184   | 6                     | 15.07 | 1548070 | 20.0 |
| Docosane            | 15.15 | 4.0     | ng    | 313614   | 6                     | 15.07 | 1548070 | 20.0 |
| Tetracosane         | 15.52 | 2.8     | ng    | 219358   | 6                     | 15.07 | 1548070 | 20.0 |