

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA\_F\DATA\BF030618\  
 Data File : BF103466.D  
 Acq On : 6 Mar 2018 20:09  
 Operator : SJ/JU  
 Sample : J1772-02  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-02-06-10

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF022218.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         | 2.140       | 4             | 9           | 15           | rBV      | 223704         | 292303        | 8.90%           | 0.994%        |
| 2         | 5.110       | 511           | 514         | 523          | rBV      | 57834          | 92954         | 2.83%           | 0.316%        |
| 3         | 5.498       | 576           | 580         | 621          | rBV      | 2329282        | 3282664       | 100.00%         | 11.163%       |
| 4         | 6.140       | 685           | 689         | 697          | rBV      | 384906         | 326834        | 9.96%           | 1.111%        |
| 5         | 6.510       | 748           | 752         | 771          | rBV      | 2378440        | 3278412       | 99.87%          | 11.149%       |
| 6         | 6.645       | 771           | 775         | 794          | rVB      | 2801681        | 3114049       | 94.86%          | 10.590%       |
| 7         | 6.869       | 810           | 813         | 828          | rBV      | 876788         | 930121        | 28.33%          | 3.163%        |
| 8         | 7.022       | 836           | 839         | 855          | rBV      | 2073839        | 2346844       | 71.49%          | 7.981%        |
| 9         | 7.440       | 906           | 910         | 933          | rBV      | 1587241        | 2133916       | 65.01%          | 7.257%        |
| 10        | 7.845       | 976           | 979         | 985          | rVB      | 55259          | 63237         | 1.93%           | 0.215%        |
| 11        | 8.151       | 1028          | 1031        | 1050         | rBV      | 951633         | 1375082       | 41.89%          | 4.676%        |
| 12        | 8.281       | 1050          | 1053        | 1058         | rVB2     | 61192          | 60566         | 1.85%           | 0.206%        |
| 13        | 9.228       | 1210          | 1214        | 1224         | rBV      | 2827197        | 2808683       | 85.56%          | 9.551%        |
| 14        | 9.622       | 1277          | 1281        | 1288         | rBV      | 465845         | 462615        | 14.09%          | 1.573%        |
| 15        | 9.822       | 1312          | 1315        | 1320         | rBV      | 70735          | 58545         | 1.78%           | 0.199%        |
| 16        | 9.910       | 1326          | 1330        | 1343         | rVB2     | 1221437        | 1240550       | 37.79%          | 4.219%        |
| 17        | 10.322      | 1397          | 1400        | 1403         | rVB      | 139696         | 104730        | 3.19%           | 0.356%        |
| 18        | 10.545      | 1432          | 1438        | 1440         | rBV      | 38771          | 46392         | 1.41%           | 0.158%        |
| 19        | 10.628      | 1448          | 1452        | 1456         | rBV      | 73964          | 74066         | 2.26%           | 0.252%        |
| 20        | 10.710      | 1462          | 1466        | 1478         | rBV      | 1172087        | 1408818       | 42.92%          | 4.791%        |
| 21        | 10.798      | 1478          | 1481        | 1487         | rVB      | 131664         | 135768        | 4.14%           | 0.462%        |
| 22        | 11.245      | 1555          | 1557        | 1560         | rBV      | 48893          | 40904         | 1.25%           | 0.139%        |
| 23        | 11.404      | 1581          | 1584        | 1596         | rBV      | 973650         | 1171381       | 35.68%          | 3.983%        |
| 24        | 11.916      | 1668          | 1671        | 1675         | rBV2     | 72897          | 106217        | 3.24%           | 0.361%        |
| 25        | 12.627      | 1789          | 1792        | 1798         | rVB      | 130453         | 136027        | 4.14%           | 0.463%        |
| 26        | 12.704      | 1803          | 1805        | 1811         | rBV4     | 69802          | 101064        | 3.08%           | 0.344%        |
| 27        | 12.857      | 1829          | 1831        | 1837         | rVB      | 116294         | 125045        | 3.81%           | 0.425%        |
| 28        | 12.992      | 1849          | 1854        | 1857         | rBV      | 2104955        | 1994587       | 60.76%          | 6.783%        |
| 29        | 13.363      | 1914          | 1917        | 1924         | rBV5     | 63358          | 95488         | 2.91%           | 0.325%        |
| 30        | 13.539      | 1945          | 1947        | 1949         | rBV2     | 42752          | 34754         | 1.06%           | 0.118%        |
| 31        | 13.869      | 2000          | 2003        | 2009         | rBV2     | 214159         | 257625        | 7.85%           | 0.876%        |
| 32        | 14.063      | 2032          | 2036        | 2039         | rBV      | 829668         | 846407        | 25.78%          | 2.878%        |
| 33        | 14.192      | 2055          | 2058        | 2061         | rBV      | 52627          | 53332         | 1.62%           | 0.181%        |
| 34        | 14.498      | 2108          | 2110        | 2115         | rVB      | 71087          | 68447         | 2.09%           | 0.233%        |

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Sample : J1772-02  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-02-06-10

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:\HPCHEM1\BNA\_F\METHODS\8270-BF022218.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |     |        |        |        |        |
|----|--------|------|------|------|-----|--------|--------|--------|--------|
| 35 | 14.810 | 2160 | 2163 | 2166 | rBV | 88860  | 99215  | 3.02%  | 0.337% |
| 36 | 15.574 | 2289 | 2293 | 2302 | rVB | 442829 | 638887 | 19.46% | 2.173% |

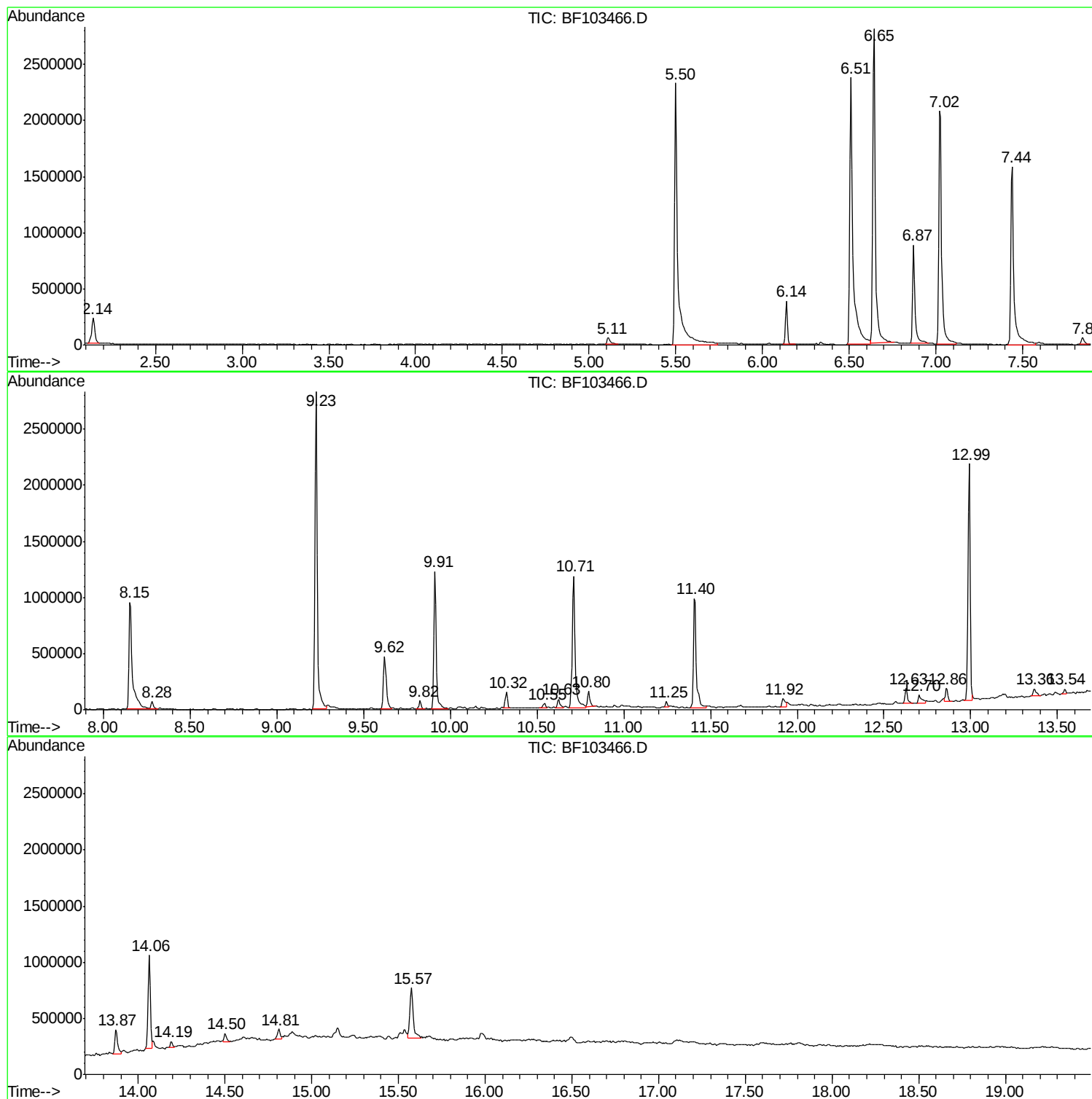
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF022218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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Sample : J1772-02  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
SB-02-06-10

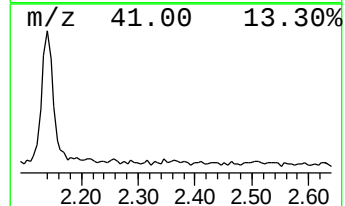
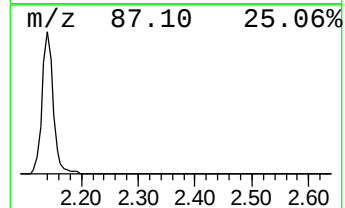
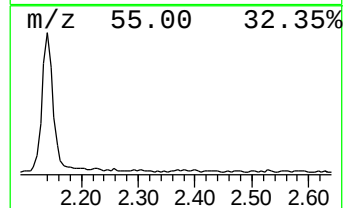
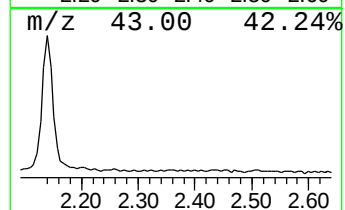
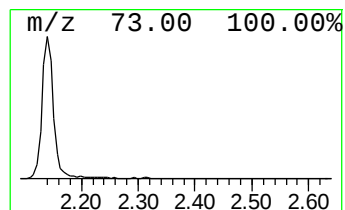
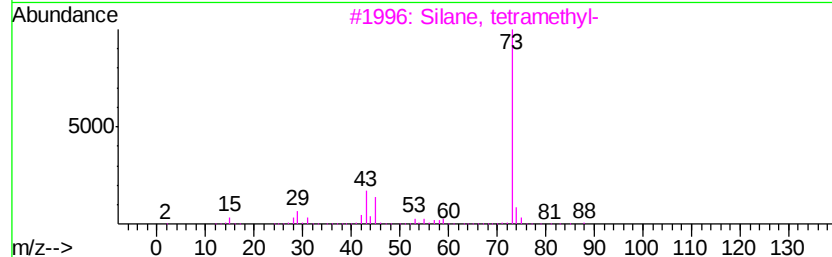
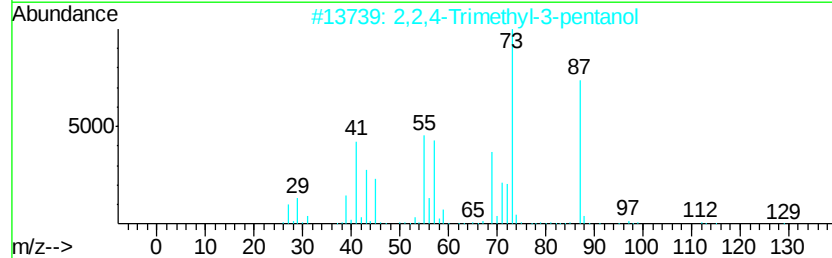
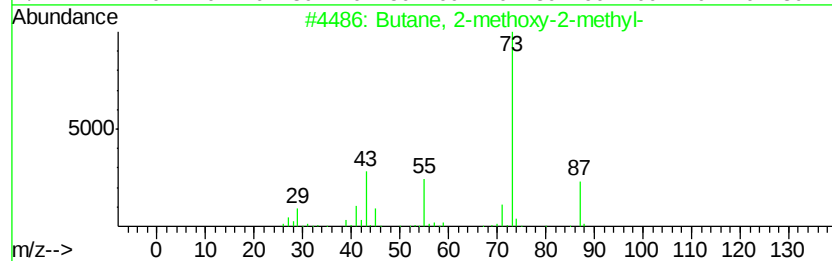
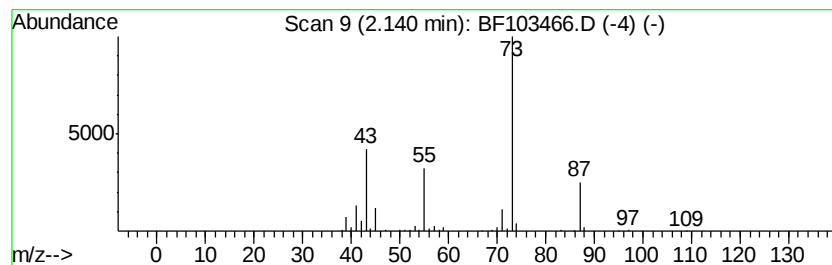
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF022218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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 4

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 2.14 | 6.29 ng | 292303 | 1,4-Dichlorobenzene-d4 | 6.87 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 83   |
| 2    |    | 2,2,4-Trimethyl-3-pentanol  | 130 | C8H18O  | 005162-48-1 | 40   |
| 3    |    | Silane, tetramethyl-        | 88  | C4H12Si | 000075-76-3 | 32   |
| 4    |    | 3-Pentanol, 2,4-dimethyl-   | 116 | C7H16O  | 000600-36-2 | 25   |
| 5    |    | 1,3-Dioxolane, 2-methyl-    | 88  | C4H8O2  | 000497-26-7 | 23   |



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Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-02-06-10

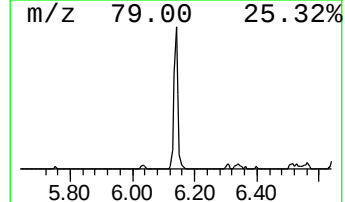
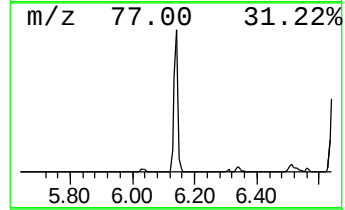
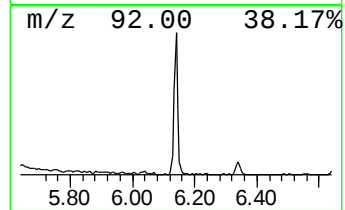
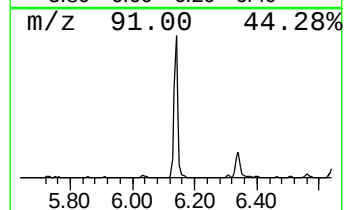
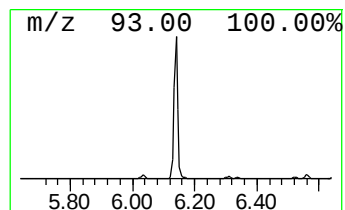
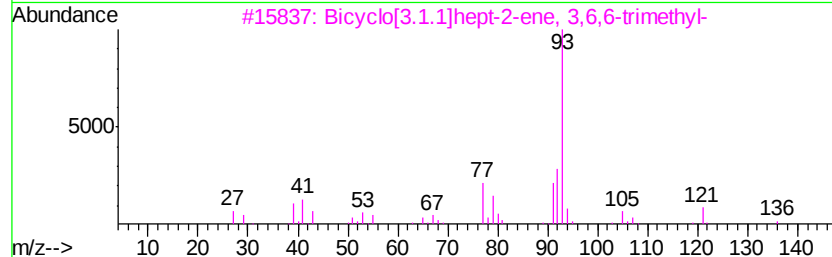
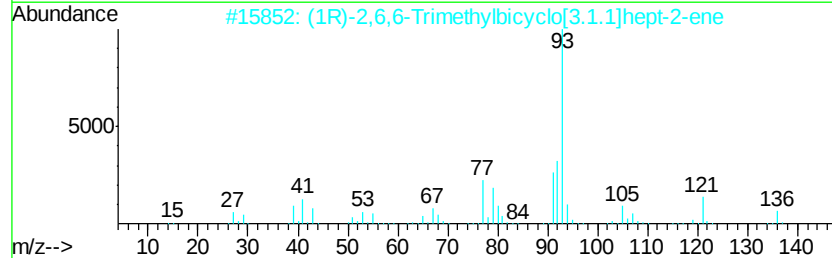
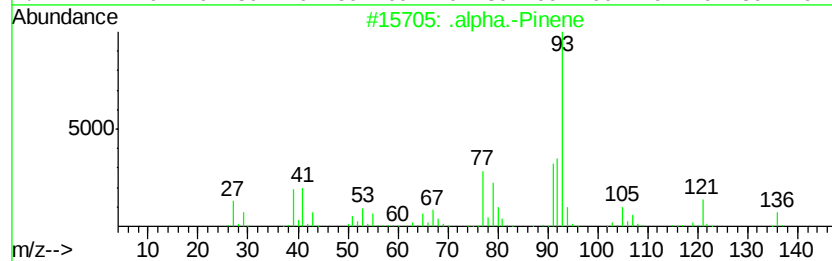
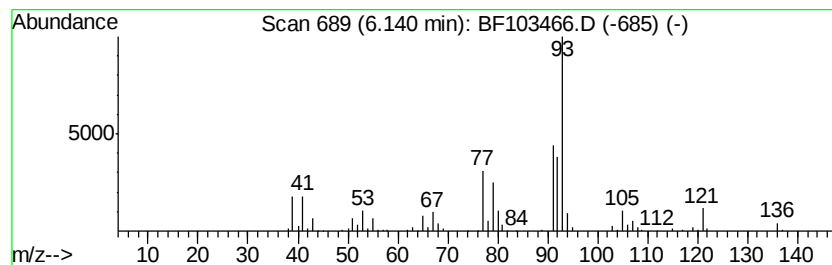
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 2 .alpha.-Pinene Concentration Rank 3

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 6.14 | 7.03 ng | 326834 | 1,4-Dichlorobenzene-d4 | 6.87 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | .alpha.-Pinene                      | 136 | C10H16  | 000080-56-8 | 95   |
| 2    |    |   | (1R)-2,6,6-Trimethylbicyclo[3.1.... | 136 | C10H16  | 007785-70-8 | 94   |
| 3    |    |   | Bicyclo[3.1.1]hept-2-ene, 3,6,6-... | 136 | C10H16  | 004889-83-2 | 94   |
| 4    |    |   | Tricyclo[2.2.1.0(2,6)]heptane, 1... | 136 | C10H16  | 000508-32-7 | 91   |
| 5    |    |   | Tricyclo[2.2.1.0(2,6)]heptane, 1... | 136 | C10H16  | 000488-97-1 | 90   |



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Sample : J1772-02  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-02-06-10

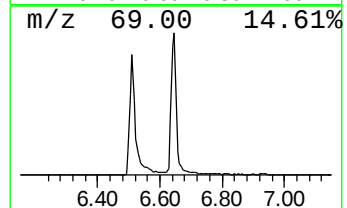
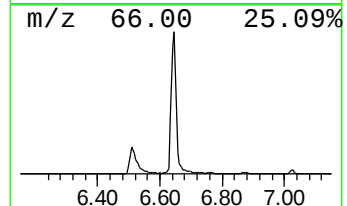
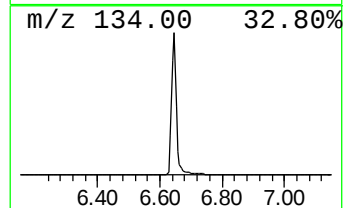
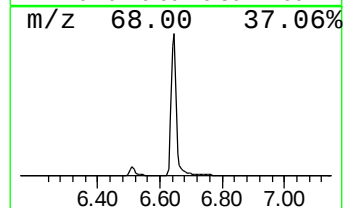
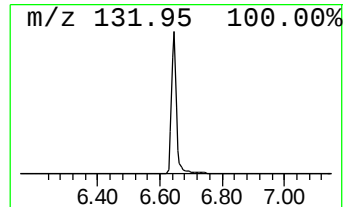
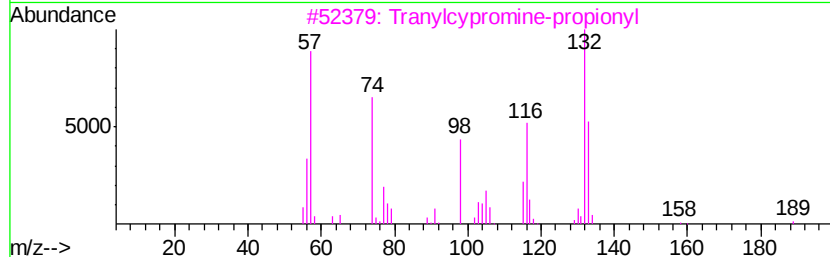
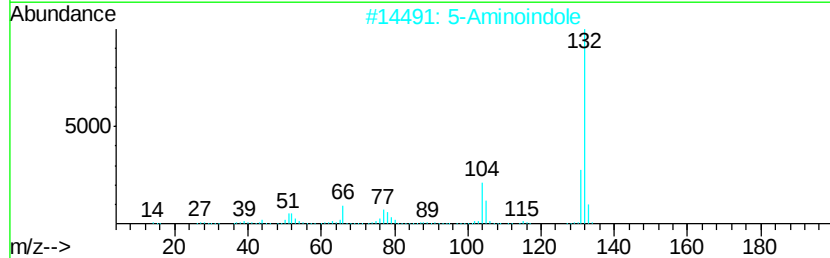
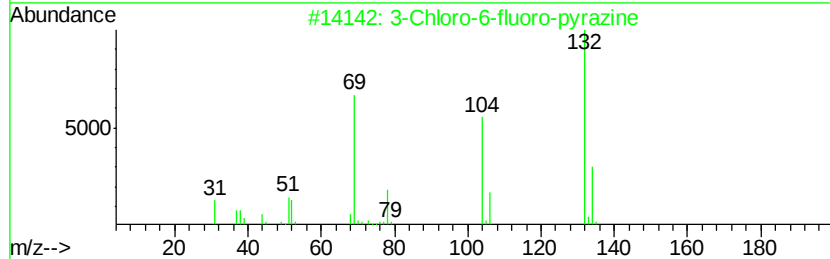
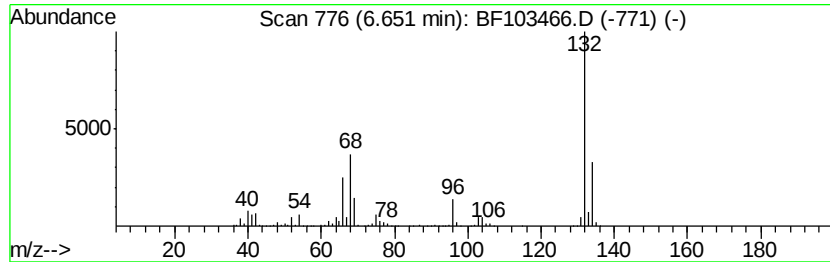
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 3 unknown6.65 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.65 | 66.96 ng | 3114050 | 1,4-Dichlorobenzene-d4 | 6.87 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    |   | 5-Aminoindole                       | 132 | C8H8N2    | 005192-03-0  | 12   |
| 3    |    |   | Tranvlcypropine-propionyl           | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 4    |    |   | 1,3,5-Trifluorobenzene              | 132 | C6H3F3    | 000372-38-3  | 9    |
| 5    |    |   | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12    | 028749-81-7  | 9    |



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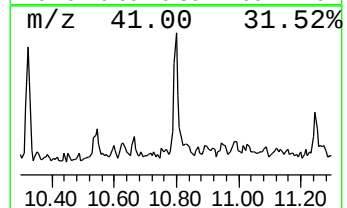
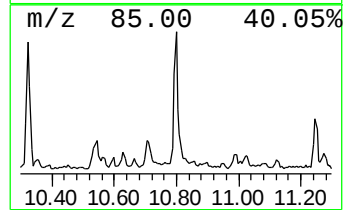
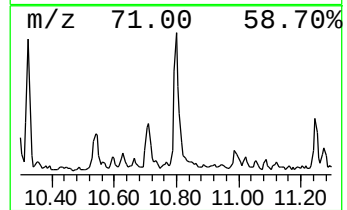
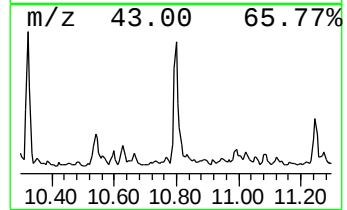
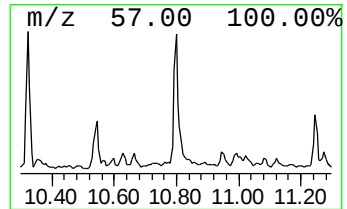
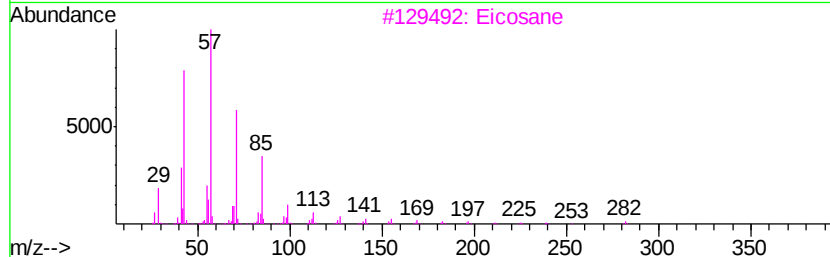
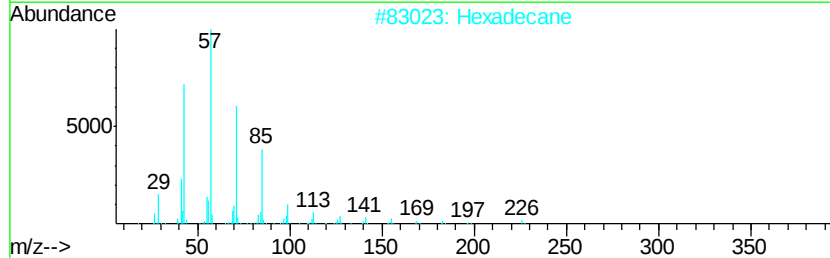
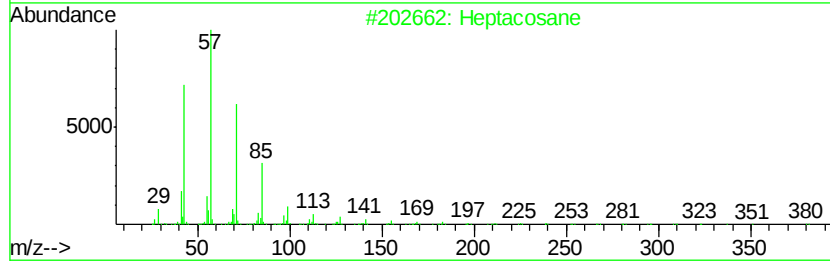
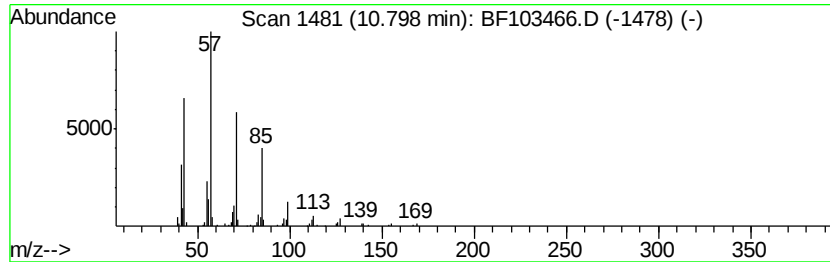
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 Heptacosane Concentration Rank 7

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 10.80 | 2.32 ng | 135768 | Phenanthrene-d10 | 11.40 |

| Hit# of | 5                 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|-------------------|--------------|-----|---------|-------------|------|
| 1       | Heptacosane       |              | 380 | C27H56  | 000593-49-7 | 90   |
| 2       | Hexadecane        |              | 226 | C16H34  | 000544-76-3 | 86   |
| 3       | Eicosane          |              | 282 | C20H42  | 000112-95-8 | 86   |
| 4       | Pentadecane       |              | 212 | C15H32  | 000629-62-9 | 86   |
| 5       | Tetratetracontane |              | 619 | C44H90  | 007098-22-8 | 83   |



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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

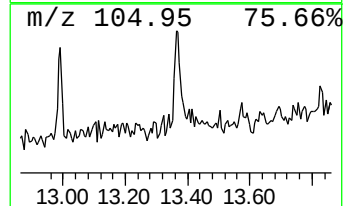
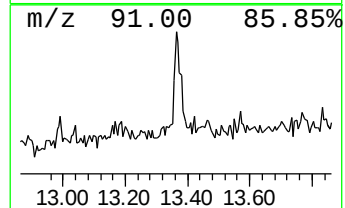
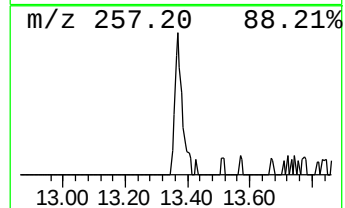
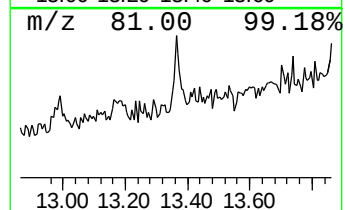
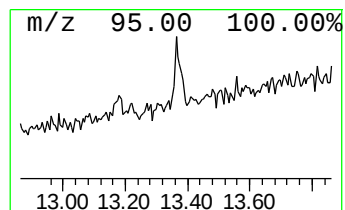
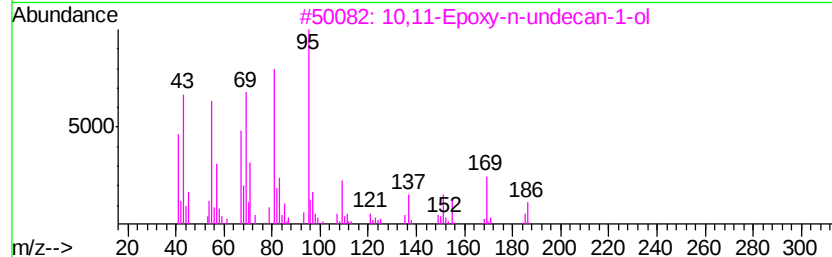
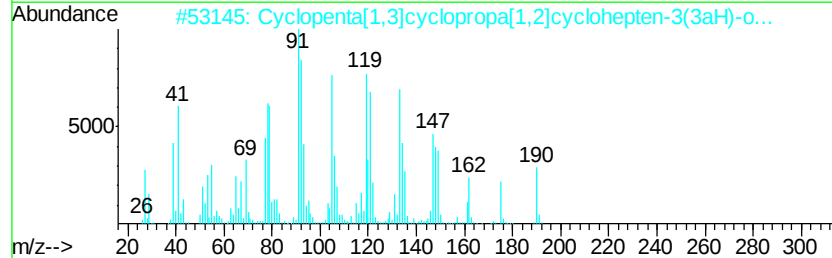
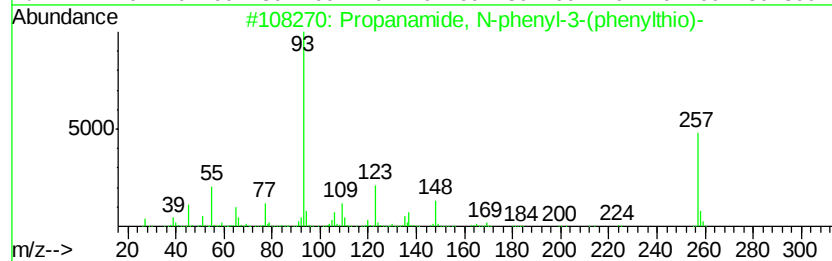
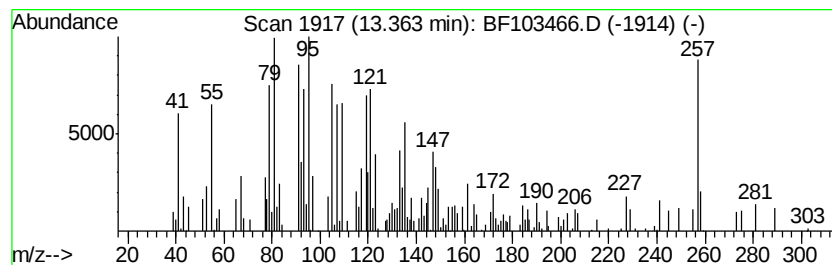
TIC Library : C:\DATABASE\NIST11.L  
 TIC Integration Parameters: LSCINT.P

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 Peak Number 6 unknown13.36 Concentration Rank 8

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 13.36 | 2.26 ng | 95488 | Chrysene-d12     | 14.06 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm     | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|-------------|-------------|------|
| 1    |    |   | Propanamide, N-phenyl-3-(phenylt... | 257 | C15H15NOS   | 126400-65-5 | 25   |
| 2    |    |   | Cyclopenta[1,3]cyclopropa[1,2]cy... | 190 | C13H18O     | 091531-58-7 | 11   |
| 3    |    |   | 10,11-Epoxy-n-undecan-1-ol          | 186 | C11H22O2    | 015764-66-6 | 11   |
| 4    |    |   | 2-(2-Benzothiazolyl)-5-methoxyph... | 257 | C14H11N02S  | 090481-46-2 | 11   |
| 5    |    |   | 6,7-Dimethoxy-2-trifluoromethylq... | 257 | C12H10F3N02 | 041192-91-0 | 10   |



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030618\  
Data File : BF103466.D  
Acq On : 6 Mar 2018 20:09  
Operator : SJ/JU  
Sample : J1772-02  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-02-06-10

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

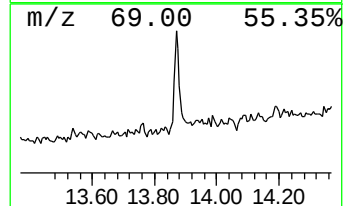
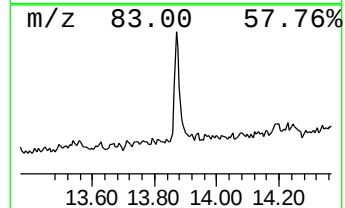
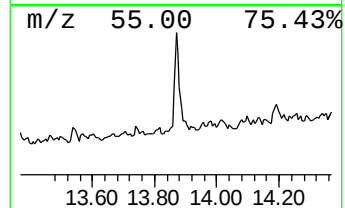
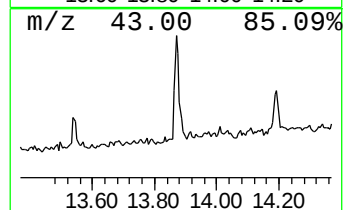
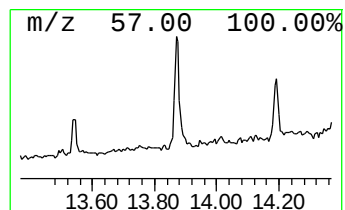
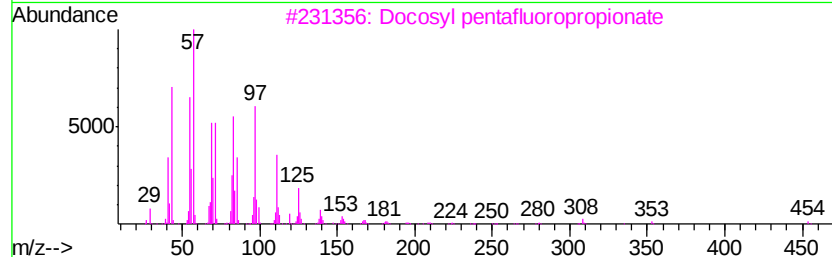
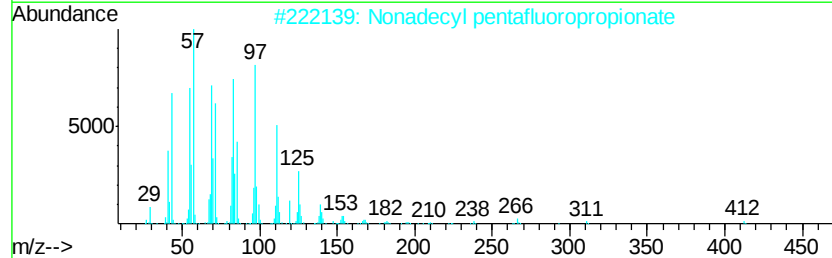
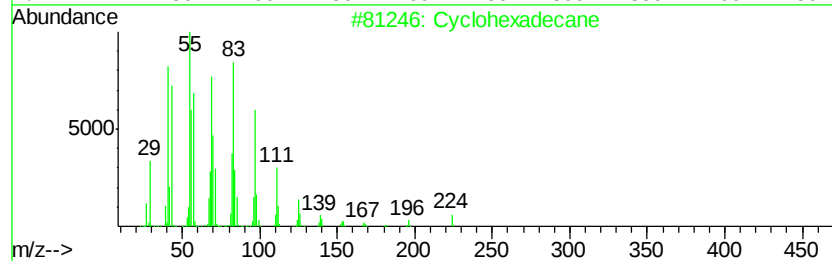
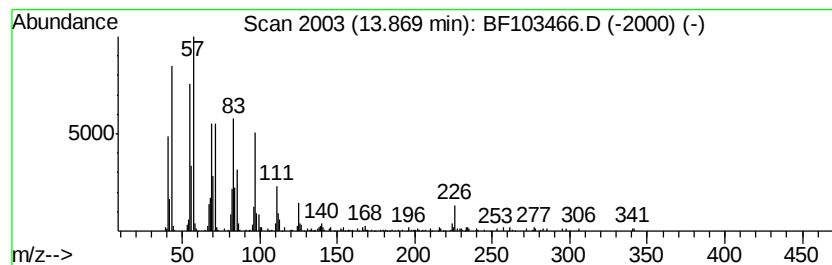
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Cyclohexadecane Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 13.87 | 6.09 ng | 257625 | Chrysene-d12     | 14.06 |

| Hit# of | 5 | Tentative ID                    | MW  | MolForm    | CAS#         | Qual |
|---------|---|---------------------------------|-----|------------|--------------|------|
| 1       |   | Cyclohexadecane                 | 224 | C16H32     | 000295-65-8  | 99   |
| 2       |   | Nonadecyl pentafluoropropionate | 430 | C22H39F5O2 | 1000351-88-8 | 90   |
| 3       |   | Docosyl pentafluoropropionate   | 472 | C25H45F5O2 | 1000351-80-9 | 87   |
| 4       |   | Heneicosyl heptafluorobutyrte   | 508 | C25H43F7O2 | 1000351-83-8 | 87   |
| 5       |   | Cyclopentadecane                | 210 | C15H30     | 000295-48-7  | 86   |



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030618\  
Data File : BF103466.D  
Acq On : 6 Mar 2018 20:09  
Operator : SJ/JU  
Sample : J1772-02  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

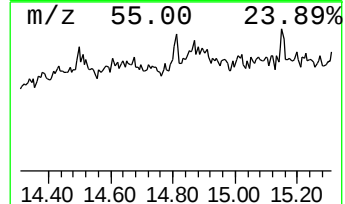
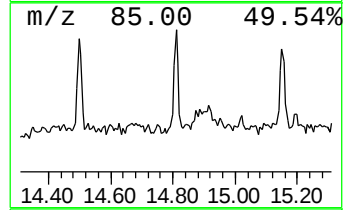
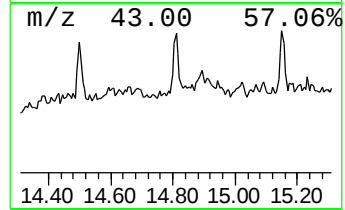
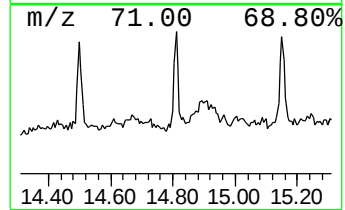
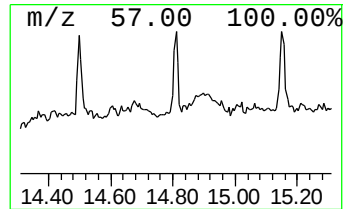
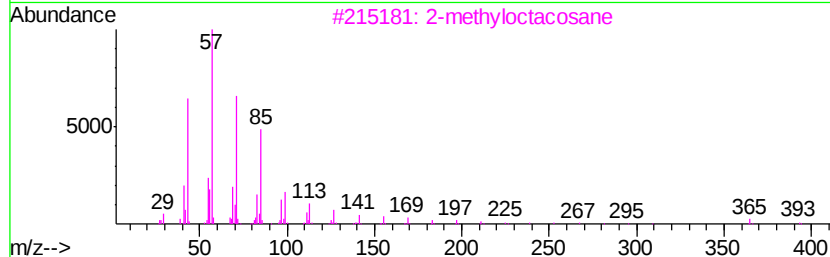
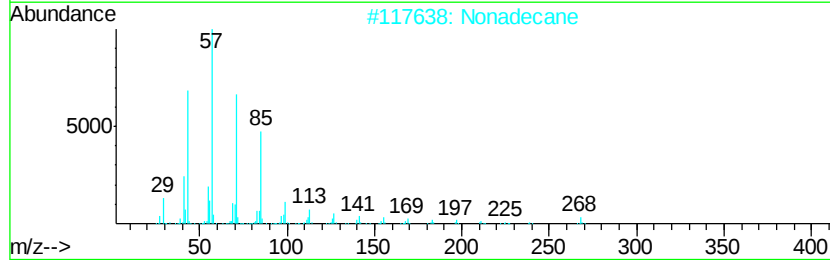
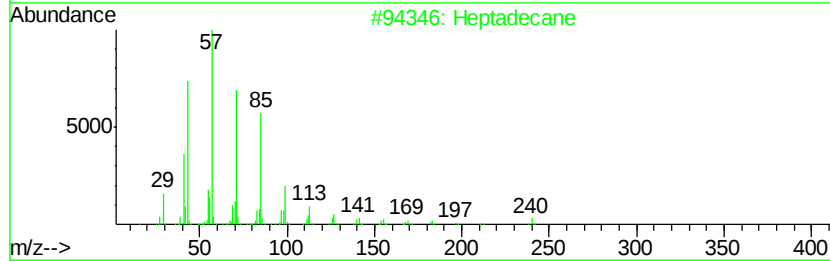
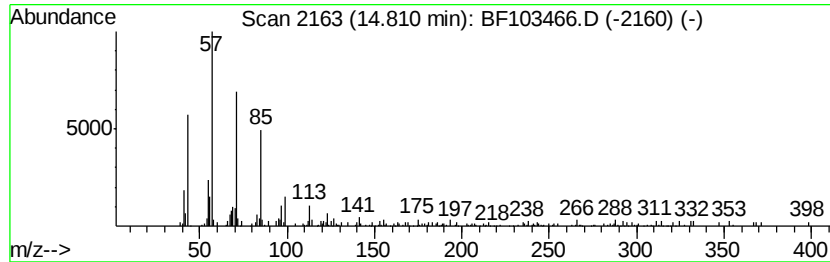
Instrument :  
BNA\_F  
ClientSampleId :  
SB-02-06-10

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF022218.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 Heptadecane Concentration Rank 6

| R.T.      | EstConc            | Area  | Relative to ISTD |              | R.T.  |
|-----------|--------------------|-------|------------------|--------------|-------|
| 14.81     | 2.34 ng            | 99215 | Chrysene-d12     |              | 14.06 |
| Hit# of 5 | Tentative ID       | MW    | MolForm          | CAS#         | Qual  |
| 1         | Heptadecane        | 240   | C17H36           | 000629-78-7  | 93    |
| 2         | Nonadecane         | 268   | C19H40           | 000629-92-5  | 87    |
| 3         | 2-methyloctacosane | 408   | C29H60           | 1000376-72-8 | 86    |
| 4         | 2-Bromotetradecane | 276   | C14H29Br         | 074036-95-6  | 86    |
| 5         | Octadecane         | 254   | C18H38           | 000593-45-3  | 86    |



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA\_F\DATA\BF030618\  
Data File : BF103466.D  
Acq On : 6 Mar 2018 20:09  
Operator : SJ/JU  
Sample : J1772-02  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-02-06-10

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF022218.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... | 2.14  | 6.3     | ng    | 292303   | 1                     | 6.87  | 930121  | 20.0 |
| .alpha.-Pinene       | 6.14  | 7.0     | ng    | 326834   | 1                     | 6.87  | 930121  | 20.0 |
| unknown6.65          | 6.65  | 67.0    | ng    | 3114050  | 1                     | 6.87  | 930121  | 20.0 |
| Heptacosane          | 10.80 | 2.3     | ng    | 135768   | 4                     | 11.40 | 1171380 | 20.0 |
| unknown13.36         | 13.36 | 2.3     | ng    | 95488    | 5                     | 14.06 | 846407  | 20.0 |
| Cyclohexadecane      | 13.87 | 6.1     | ng    | 257625   | 5                     | 14.06 | 846407  | 20.0 |
| Heptadecane          | 14.81 | 2.3     | ng    | 99215    | 5                     | 14.06 | 846407  | 20.0 |