

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF102618\  
 Data File : BF110211.D  
 Acq On : 26 Oct 2018 15:56  
 Operator : JU/SJ  
 Sample : J5621-05  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SA-SB-01A

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         | 2.322       | 33            | 40          | 47           | rVB      | 321640         | 426513        | 13.67%          | 1.522%        |
| 2         | 4.604       | 424           | 428         | 432          | rBV      | 27877          | 32377         | 1.04%           | 0.116%        |
| 3         | 5.210       | 527           | 531         | 543          | rVB      | 212595         | 270075        | 8.66%           | 0.964%        |
| 4         | 5.469       | 571           | 575         | 578          | rBV      | 104526         | 95703         | 3.07%           | 0.341%        |
| 5         | 5.592       | 589           | 596         | 600          | rBV2     | 2683187        | 3094240       | 99.17%          | 11.041%       |
| 6         | 5.828       | 632           | 636         | 640          | rBV      | 210461         | 183277        | 5.87%           | 0.654%        |
| 7         | 5.875       | 642           | 644         | 647          | rVB      | 51973          | 38992         | 1.25%           | 0.139%        |
| 8         | 6.522       | 750           | 754         | 757          | rVB      | 89348          | 74604         | 2.39%           | 0.266%        |
| 9         | 6.592       | 760           | 766         | 772          | rBV2     | 2568174        | 3120175       | 100.00%         | 11.133%       |
| 10        | 6.739       | 786           | 791         | 794          | rBV      | 3047263        | 2756565       | 88.35%          | 9.836%        |
| 11        | 6.792       | 797           | 800         | 804          | rBV      | 91567          | 78750         | 2.52%           | 0.281%        |
| 12        | 6.969       | 826           | 830         | 833          | rBV      | 919118         | 743927        | 23.84%          | 2.654%        |
| 13        | 7.122       | 850           | 856         | 860          | rBV      | 2300896        | 2150170       | 68.91%          | 7.672%        |
| 14        | 7.528       | 921           | 925         | 933          | rBV      | 1704272        | 1770452       | 56.74%          | 6.317%        |
| 15        | 8.251       | 1044          | 1048        | 1051         | rBV      | 1099319        | 925249        | 29.65%          | 3.301%        |
| 16        | 8.963       | 1166          | 1169        | 1176         | rBV      | 58355          | 59520         | 1.91%           | 0.212%        |
| 17        | 9.063       | 1183          | 1186        | 1189         | rBV      | 47279          | 41224         | 1.32%           | 0.147%        |
| 18        | 9.327       | 1226          | 1231        | 1234         | rBV      | 2795634        | 2673664       | 85.69%          | 9.540%        |
| 19        | 9.663       | 1285          | 1288        | 1291         | rBV      | 32190          | 32318         | 1.04%           | 0.115%        |
| 20        | 9.716       | 1294          | 1297        | 1305         | rVB      | 400391         | 348674        | 11.17%          | 1.244%        |
| 21        | 9.922       | 1327          | 1332        | 1337         | rBV      | 34386          | 32260         | 1.03%           | 0.115%        |
| 22        | 10.010      | 1344          | 1347        | 1351         | rBV      | 1080260        | 888870        | 28.49%          | 3.172%        |
| 23        | 10.210      | 1375          | 1381        | 1385         | rVB2     | 26793          | 35967         | 1.15%           | 0.128%        |
| 24        | 10.422      | 1410          | 1417        | 1421         | rBV2     | 39576          | 48844         | 1.57%           | 0.174%        |
| 25        | 10.798      | 1477          | 1481        | 1488         | rBV      | 1389827        | 1370482       | 43.92%          | 4.890%        |
| 26        | 10.910      | 1495          | 1500        | 1507         | rVB3     | 48019          | 80781         | 2.59%           | 0.288%        |
| 27        | 11.504      | 1597          | 1601        | 1603         | rBV      | 926031         | 772604        | 24.76%          | 2.757%        |
| 28        | 11.527      | 1603          | 1605        | 1609         | rVB      | 109363         | 90078         | 2.89%           | 0.321%        |
| 29        | 12.010      | 1683          | 1687        | 1689         | rBV2     | 126123         | 120731        | 3.87%           | 0.431%        |
| 30        | 12.033      | 1689          | 1691        | 1695         | rVB2     | 50078          | 47856         | 1.53%           | 0.171%        |
| 31        | 12.298      | 1732          | 1736        | 1739         | rBV      | 26949          | 31785         | 1.02%           | 0.113%        |
| 32        | 12.721      | 1804          | 1808        | 1812         | rBV      | 164519         | 154886        | 4.96%           | 0.553%        |
| 33        | 12.951      | 1841          | 1847        | 1853         | rVB      | 168264         | 202833        | 6.50%           | 0.724%        |
| 34        | 13.086      | 1866          | 1870        | 1873         | rBV      | 2106204        | 1771726       | 56.78%          | 6.322%        |

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ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SA-SB-01A

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 | 13.157 | 1880 | 1882 | 1888 | rBV5 | 18989  | 34364  | 1.10%  | 0.123% |
| 36 | 13.298 | 1904 | 1906 | 1909 | rVB  | 40507  | 33164  | 1.06%  | 0.118% |
| 37 | 13.639 | 1961 | 1964 | 1968 | rBV2 | 53870  | 66433  | 2.13%  | 0.237% |
| 38 | 13.968 | 2017 | 2020 | 2033 | rVB2 | 246222 | 323845 | 10.38% | 1.156% |
| 39 | 14.151 | 2046 | 2051 | 2054 | rBV  | 737468 | 760310 | 24.37% | 2.713% |
| 40 | 14.174 | 2054 | 2055 | 2058 | rVB  | 93916  | 53213  | 1.71%  | 0.190% |
| 41 | 14.286 | 2071 | 2074 | 2080 | rBV  | 106918 | 107849 | 3.46%  | 0.385% |
| 42 | 14.592 | 2123 | 2126 | 2136 | rVB2 | 168039 | 235590 | 7.55%  | 0.841% |
| 43 | 14.915 | 2177 | 2181 | 2184 | rVB  | 182121 | 205765 | 6.59%  | 0.734% |
| 44 | 15.221 | 2230 | 2233 | 2236 | rBV  | 62341  | 86286  | 2.77%  | 0.308% |
| 45 | 15.268 | 2238 | 2241 | 2245 | rVB  | 222971 | 257389 | 8.25%  | 0.918% |
| 46 | 15.609 | 2296 | 2299 | 2303 | rVV  | 41294  | 53639  | 1.72%  | 0.191% |
| 47 | 15.674 | 2305 | 2310 | 2325 | rVB2 | 497243 | 791831 | 25.38% | 2.825% |
| 48 | 16.133 | 2383 | 2388 | 2394 | rVB  | 173778 | 271512 | 8.70%  | 0.969% |
| 49 | 16.674 | 2475 | 2480 | 2488 | rVB2 | 88741  | 178735 | 5.73%  | 0.638% |

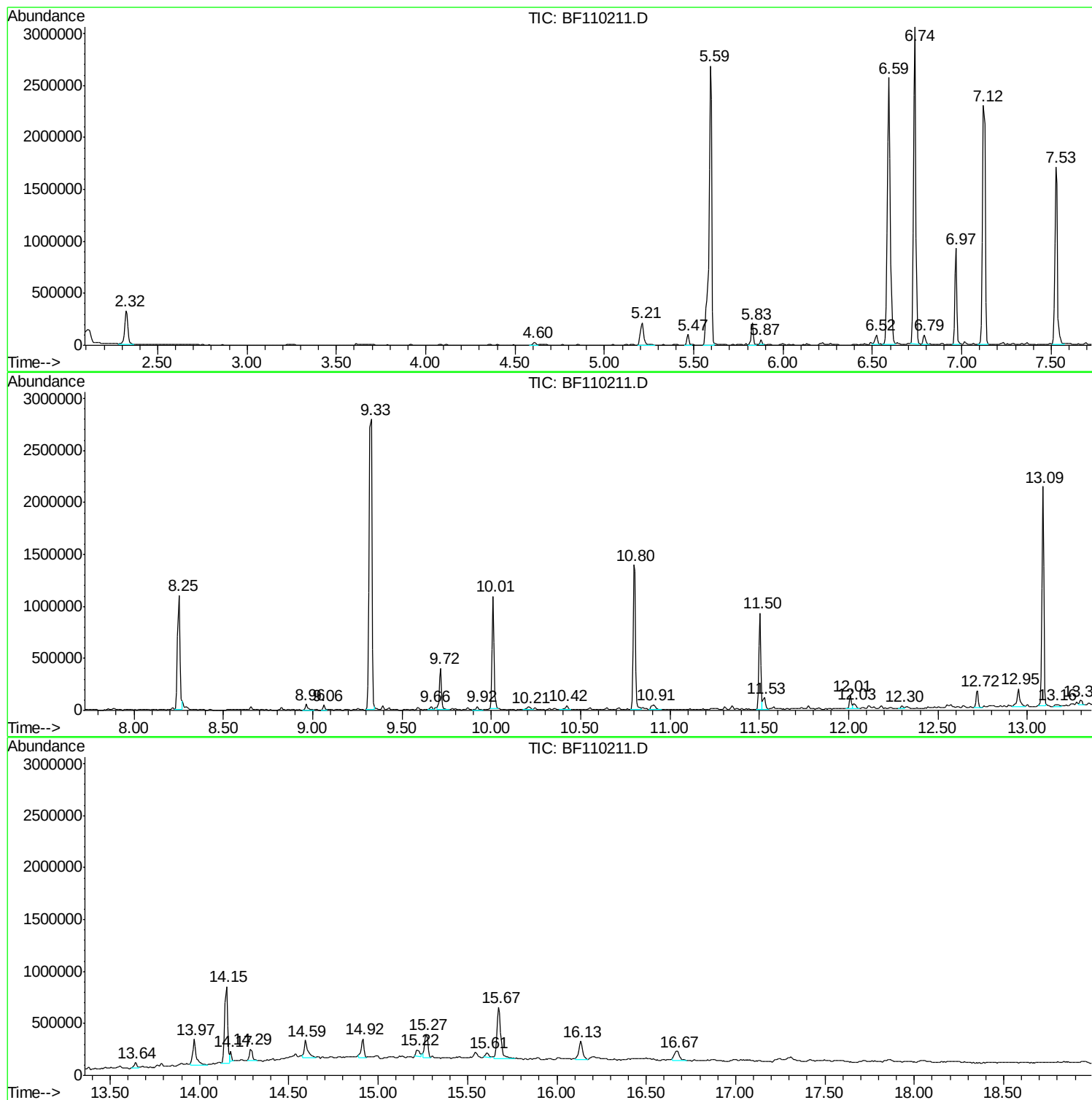
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ALS Vial : 6 Sample Multiplier: 1

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BNA\_F  
ClientSampleId :  
SA-SB-01A

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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Instrument :  
BNA\_F  
ClientSampleId :  
SA-SB-01A

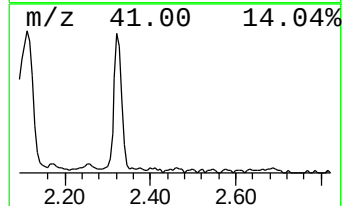
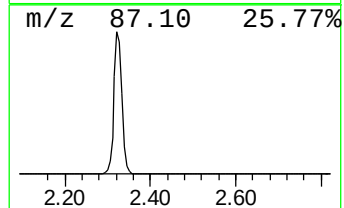
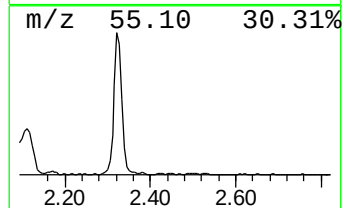
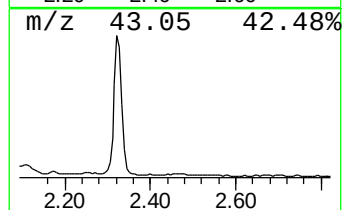
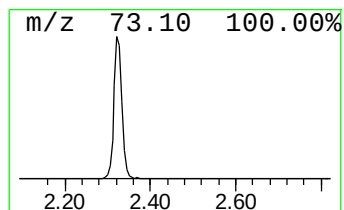
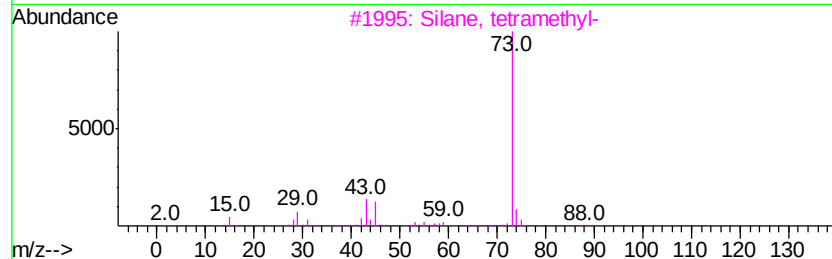
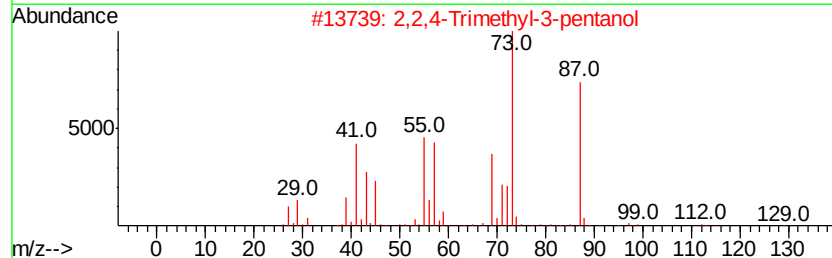
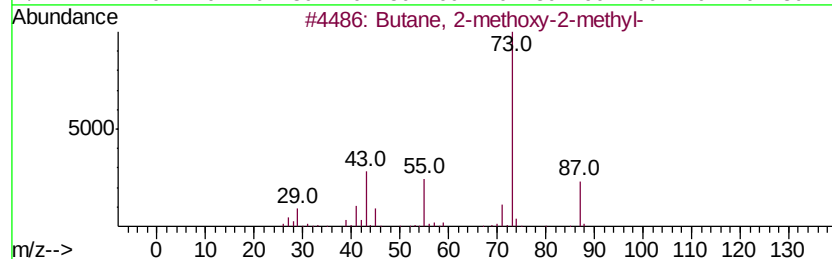
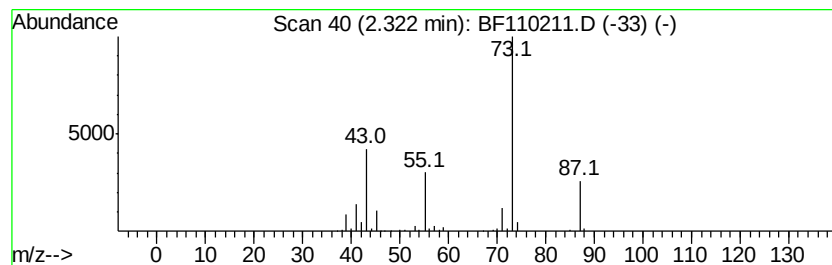
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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 3

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 2.32 | 11.47 ng | 426513 | 1,4-Dichlorobenzene-d4 | 6.97 |

| 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 | 38   |
| 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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Instrument :  
BNA\_F  
ClientSampleId :  
SA-SB-01A

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

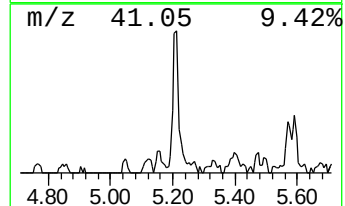
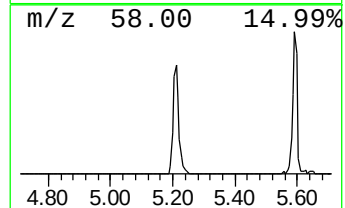
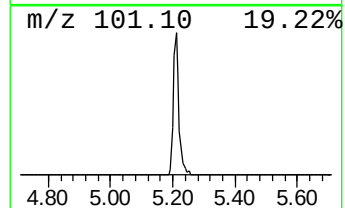
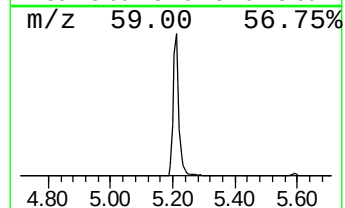
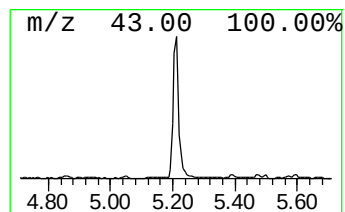
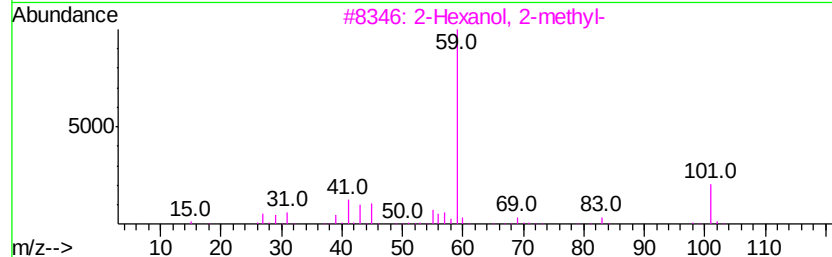
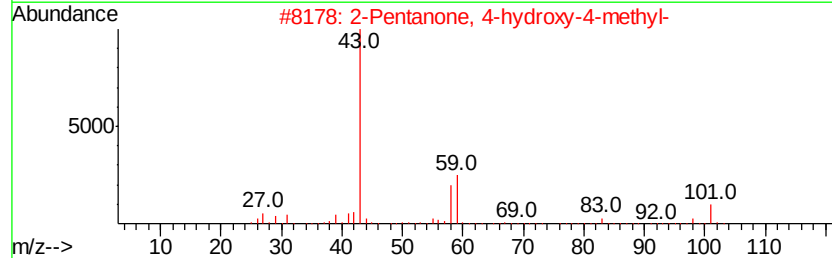
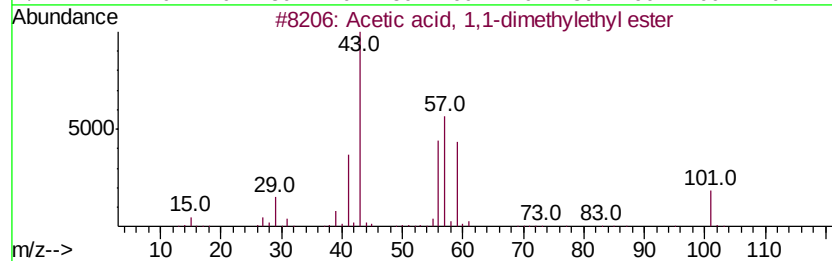
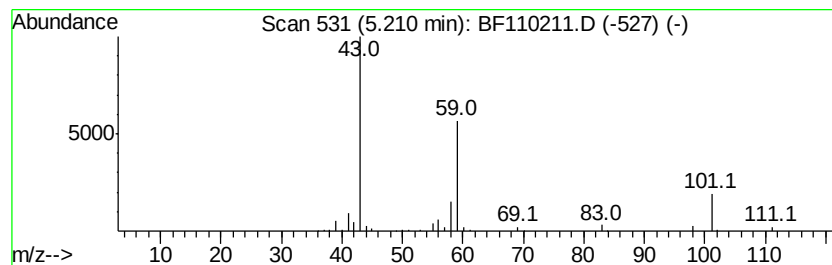
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Acetic acid, 1,1-dimethylet... Concentration Rank 5

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 5.21 | 7.26 ng | 270075 | 1,4-Dichlorobenzene-d4 | 6.97 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2  | 000540-88-5 | 50   |
| 2    |    | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2  | 000123-42-2 | 40   |
| 3    |    | 2-Hexanol, 2-methyl-                | 116 | C7H16O   | 000625-23-0 | 38   |
| 4    |    | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 23   |
| 5    |    | 5-Oxohexanenitrile                  | 111 | C6H9NO   | 010412-98-3 | 10   |



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ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SA-SB-01A

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

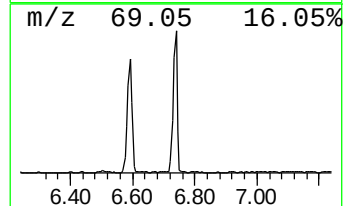
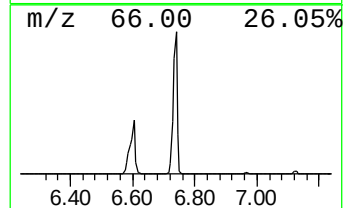
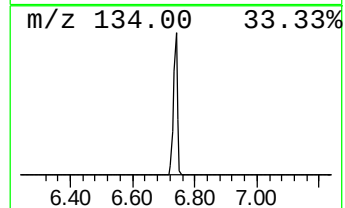
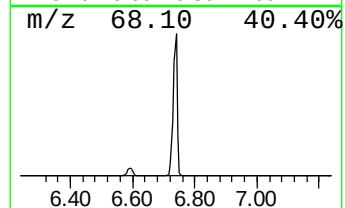
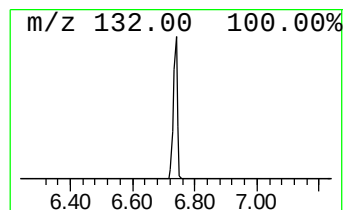
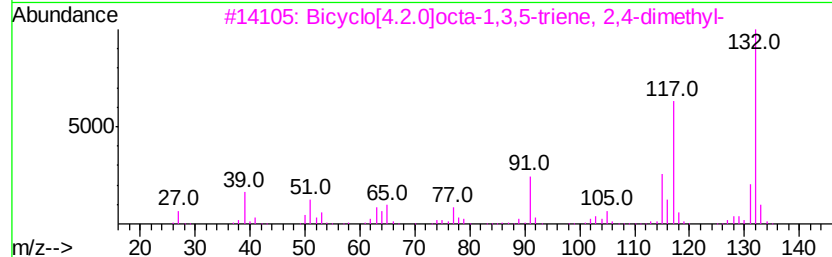
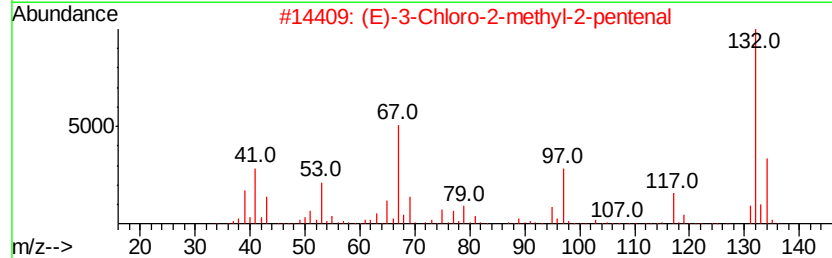
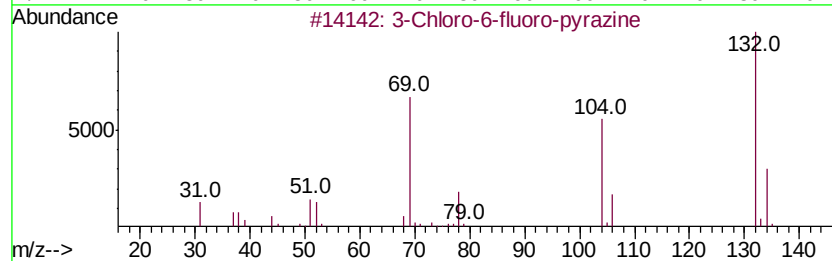
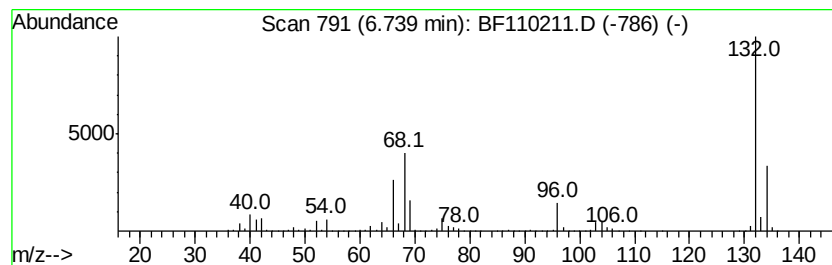
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 unknown6.74 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.74 | 74.11 ng | 2756570 | 1,4-Dichlorobenzene-d4 | 6.97 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | (E)-3-Chloro-2-methyl-2-pentenal    | 132 | C6H9ClO   | 031357-76-3  | 16   |
| 3    |    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12    | 028749-81-7  | 9    |
| 4    |    | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2    | 022291-85-6  | 9    |
| 5    |    | 1-Methylpyrrolo[1,2-a]pyrazine      | 132 | C8H8N2    | 064608-59-9  | 9    |



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

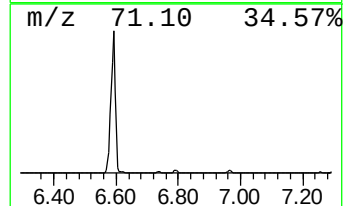
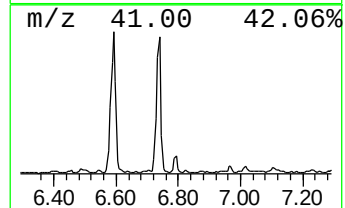
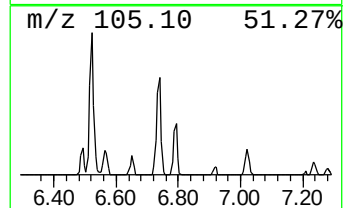
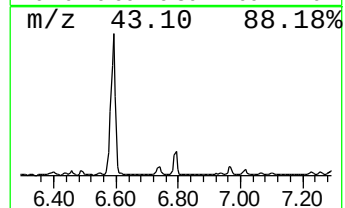
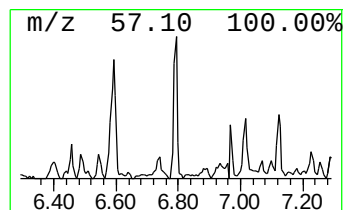
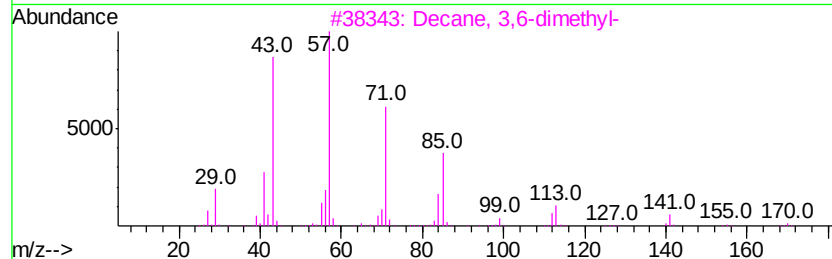
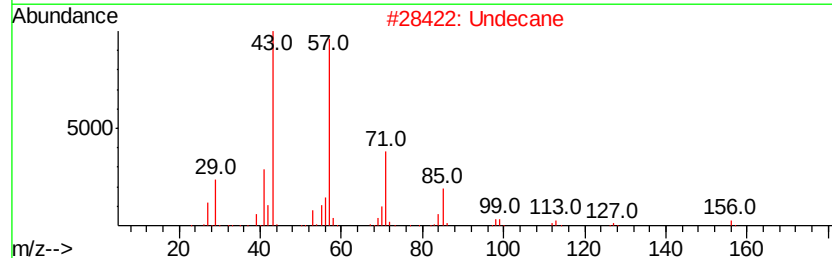
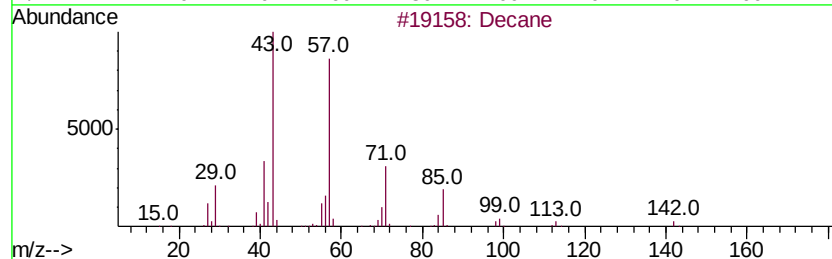
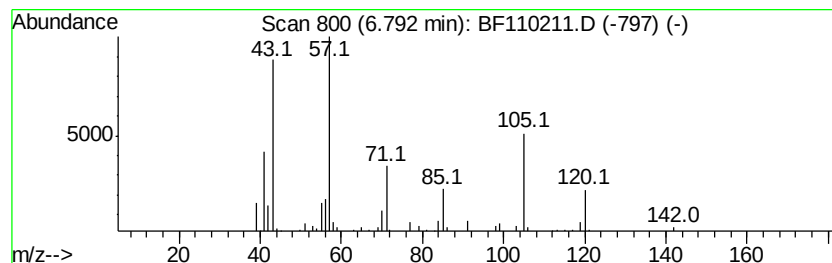
TIC Library : C:\DATABASE\NIST11.L  
 TIC Integration Parameters: LSCINT.P

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 Peak Number 7 Decane Concentration Rank 14

| R.T. | EstConc | Area  | Relative to ISTD       | R.T. |
|------|---------|-------|------------------------|------|
| 6.79 | 2.12 ng | 78750 | 1,4-Dichlorobenzene-d4 | 6.97 |

| Hit# | of | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------|-----|---------|-------------|------|
| 1    | 5  | Decane                    | 142 | C10H22  | 000124-18-5 | 90   |
| 2    |    | Undecane                  | 156 | C11H24  | 001120-21-4 | 46   |
| 3    |    | Decane, 3,6-dimethyl-     | 170 | C12H26  | 017312-53-7 | 43   |
| 4    |    | Benzene, 1,2,4-trimethyl- | 120 | C9H12   | 000095-63-6 | 38   |
| 5    |    | Decane, 2,3,6-trimethyl-  | 184 | C13H28  | 062238-12-4 | 35   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102618\  
Data File : BF110211.D  
Acq On : 26 Oct 2018 15:56  
Operator : JU/SJ  
Sample : J5621-05  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SA-SB-01A

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

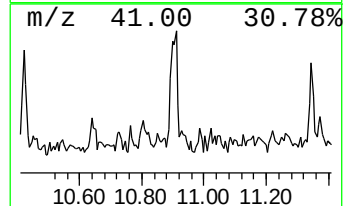
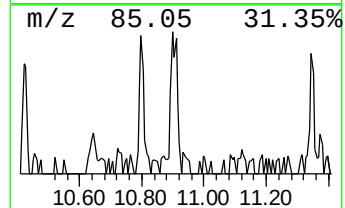
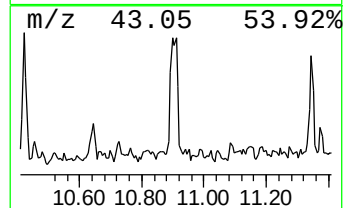
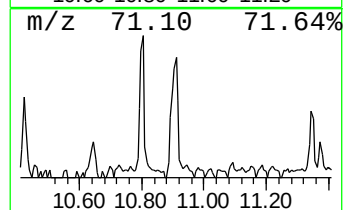
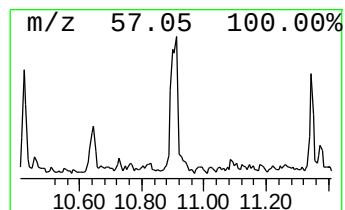
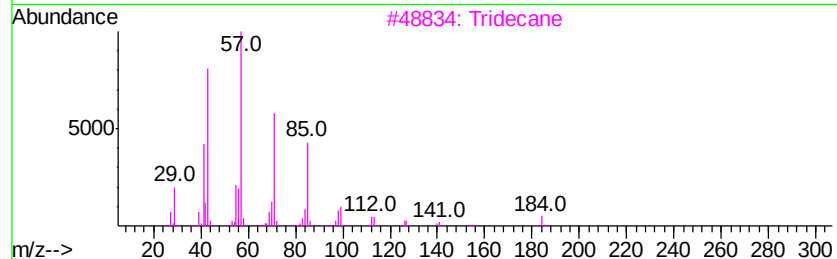
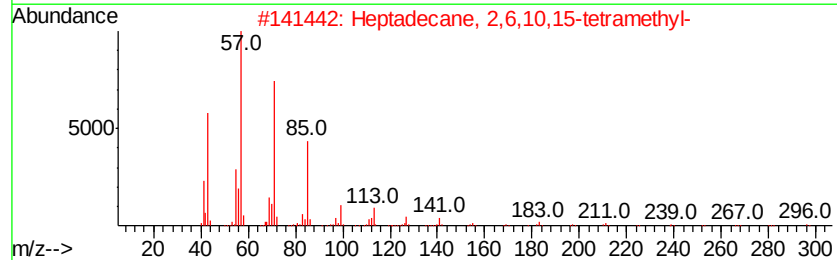
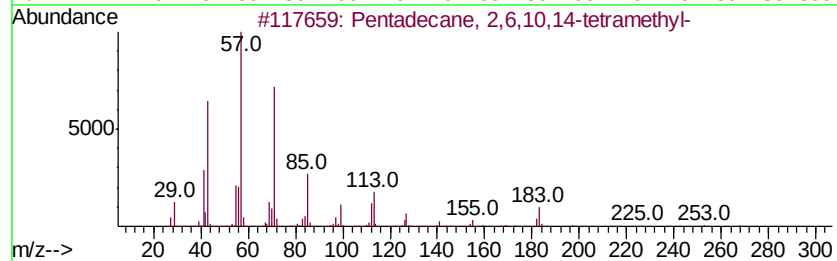
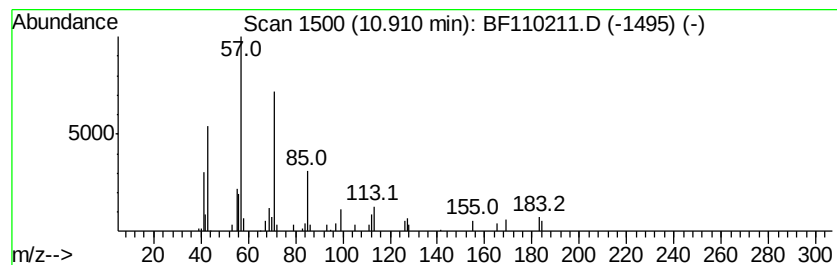
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TIC Integration Parameters: LSCINT.P

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Peak Number 9 Pentadecane, 2,6,10,14-tetr... Concentration Rank 15

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 10.91 | 2.09 ng | 80781 | Phenanthrene-d10 | 11.50 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Pentadecane, 2,6,10,14-tetramethyl- | 268 | C19H40    | 001921-70-6  | 90   |
| 2    |    | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44    | 054833-48-6  | 80   |
| 3    |    | Tridecane                           | 184 | C13H28    | 000629-50-5  | 64   |
| 4    |    | Tridecane, 3-methyl-                | 198 | C14H30    | 006418-41-3  | 59   |
| 5    |    | Sulfurous acid, 2-ethylhexyl und... | 348 | C19H40O3S | 1000309-19-4 | 53   |





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102618\  
Data File : BF110211.D  
Acq On : 26 Oct 2018 15:56  
Operator : JU/SJ  
Sample : J5621-05  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SA-SB-01A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

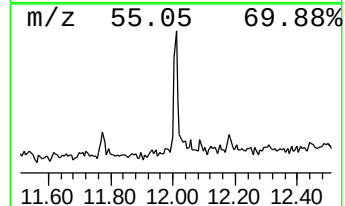
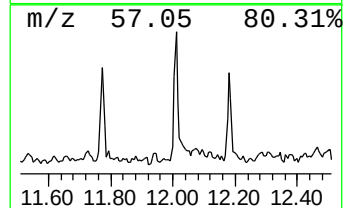
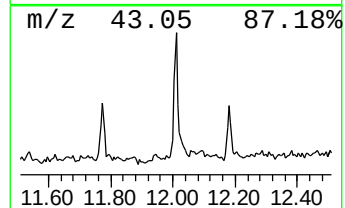
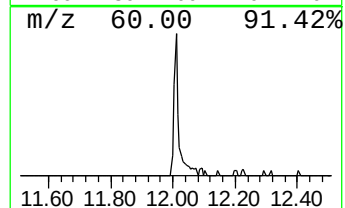
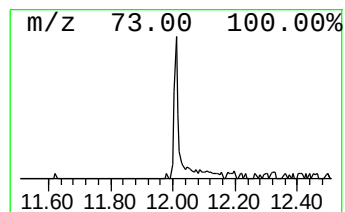
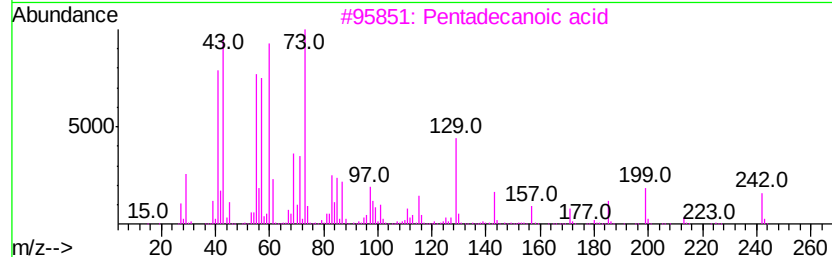
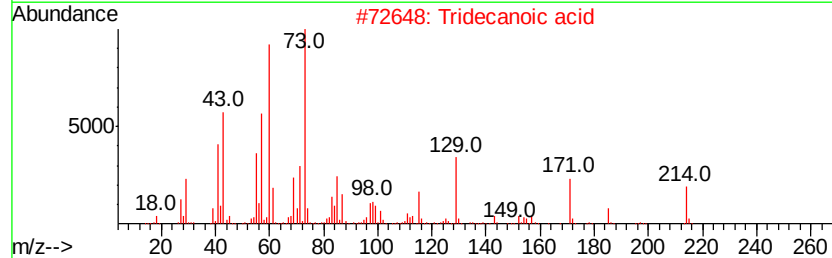
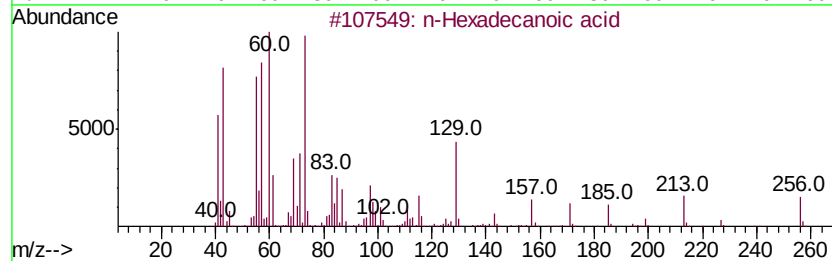
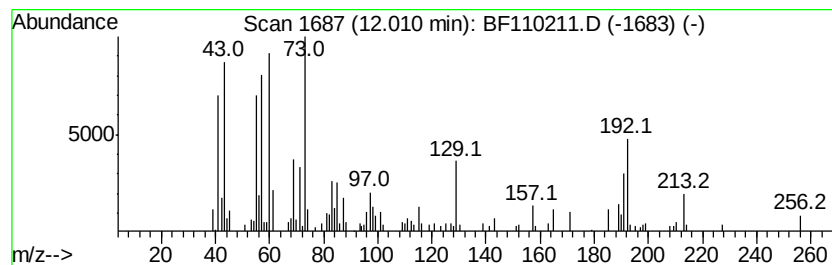
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TIC Integration Parameters: LSCINT.P

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Peak Number 10 n-Hexadecanoic acid Concentration Rank 11

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 12.01 | 3.13 ng | 120731 | Phenanthrene-d10 | 11.50 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------|-----|----------|-------------|------|
| 1    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99   |
| 2    |    |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 83   |
| 3    |    |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 64   |
| 4    |    |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 58   |
| 5    |    |   | Dodecanoic acid     | 200 | C12H24O2 | 000143-07-7 | 50   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102618\  
Data File : BF110211.D  
Acq On : 26 Oct 2018 15:56  
Operator : JU/SJ  
Sample : J5621-05  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

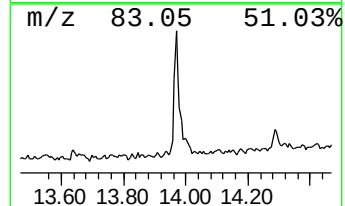
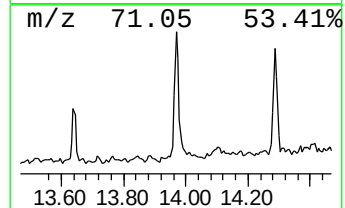
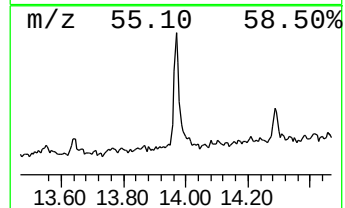
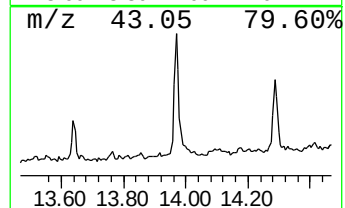
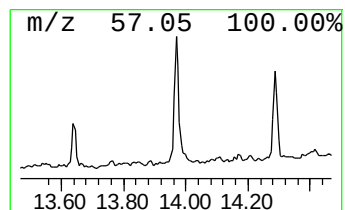
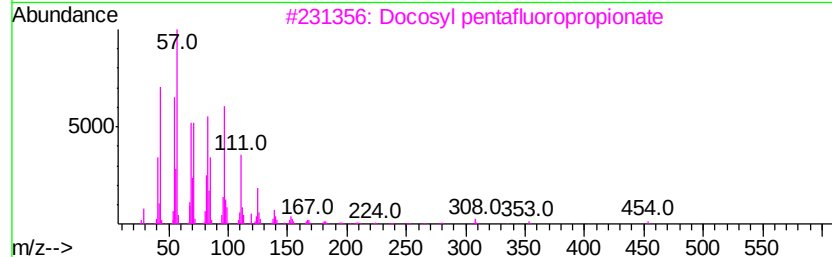
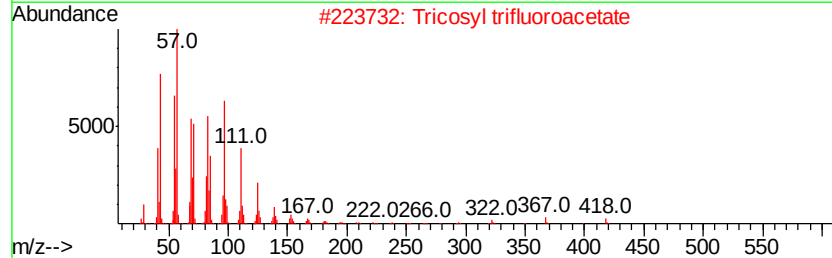
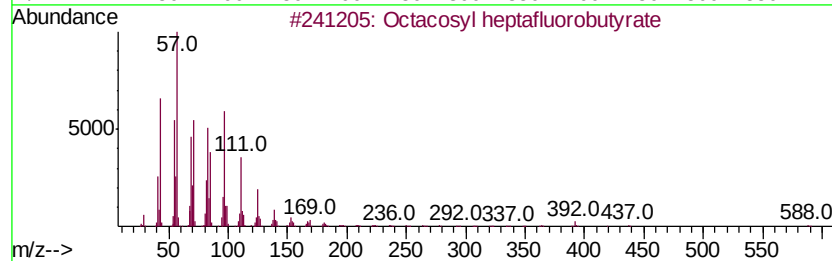
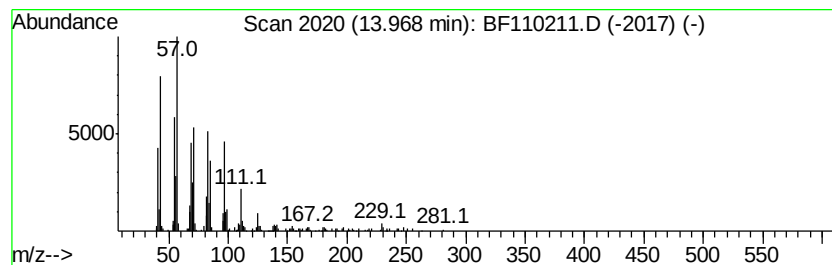
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ClientSampleId :  
SA-SB-01A

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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 11 Octacosyl heptafluorobutyrate Concentration Rank 4

| R.T.      | EstConc                          | Area   | Relative to ISTD |              | R.T.  |
|-----------|----------------------------------|--------|------------------|--------------|-------|
| 13.97     | 8.52 ng                          | 323845 | Chrysene-d12     |              | 14.15 |
| Hit# of 5 | Tentative ID                     | MW     | MolForm          | CAS#         | Qual  |
| 1         | Octacosyl heptafluorobutyrate    | 606    | C32H57F7O2       | 1000351-83-6 | 91    |
| 2         | Tricosyl trifluoroacetate        | 436    | C25H47F3O2       | 1000351-75-1 | 91    |
| 3         | Docosyl pentafluoropropionate    | 472    | C25H45F5O2       | 1000351-80-9 | 91    |
| 4         | Heptacosyl pentafluoropropionate | 542    | C30H55F5O2       | 1000351-81-6 | 91    |
| 5         | Hexacosyl trifluoroacetate       | 478    | C28H53F3O2       | 1000351-75-0 | 91    |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102618\  
Data File : BF110211.D  
Acq On : 26 Oct 2018 15:56  
Operator : JU/SJ  
Sample : J5621-05  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SA-SB-01A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

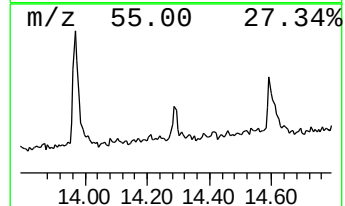
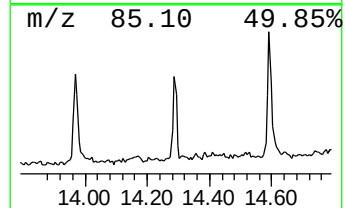
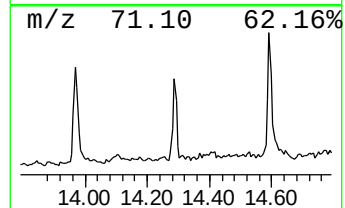
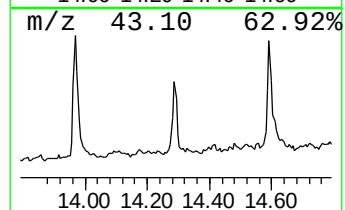
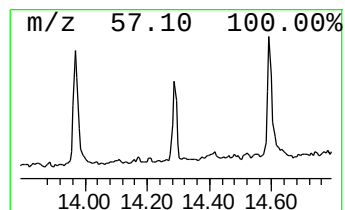
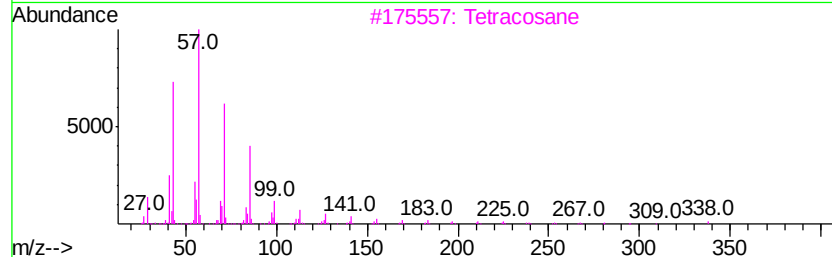
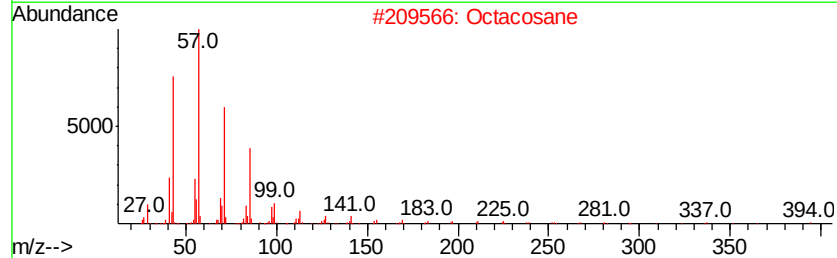
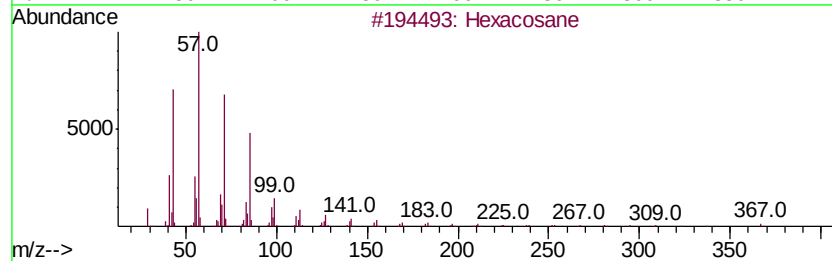
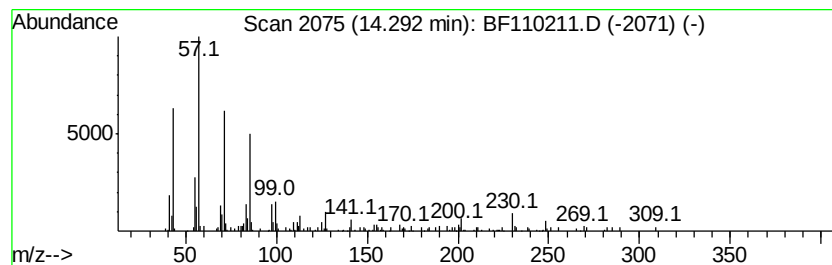
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 12 Hexacosane Concentration Rank 12

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 14.29 | 2.84 ng | 107849 | Chrysene-d12     | 14.15 |

| Hit# | of | Tentative ID       | MW  | MolForm | CAS#         | Qual |
|------|----|--------------------|-----|---------|--------------|------|
| 1    | 5  | Hexacosane         | 366 | C26H54  | 000630-01-3  | 87   |
| 2    |    | Octacosane         | 394 | C28H58  | 000630-02-4  | 87   |
| 3    |    | Tetracosane        | 338 | C24H50  | 000646-31-1  | 83   |
| 4    |    | 2-methyloctacosane | 408 | C29H60  | 1000376-72-8 | 83   |
| 5    |    | Heneicosane        | 296 | C21H44  | 000629-94-7  | 83   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102618\  
Data File : BF110211.D  
Acq On : 26 Oct 2018 15:56  
Operator : JU/SJ  
Sample : J5621-05  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
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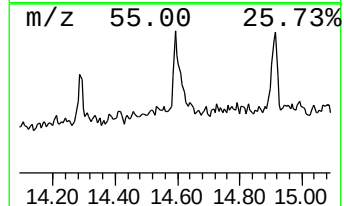
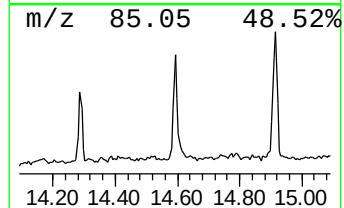
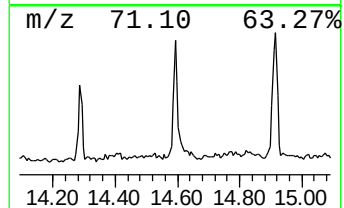
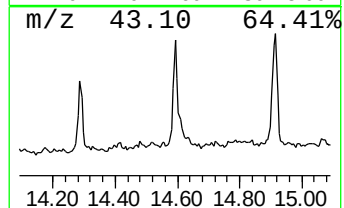
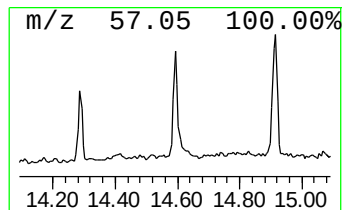
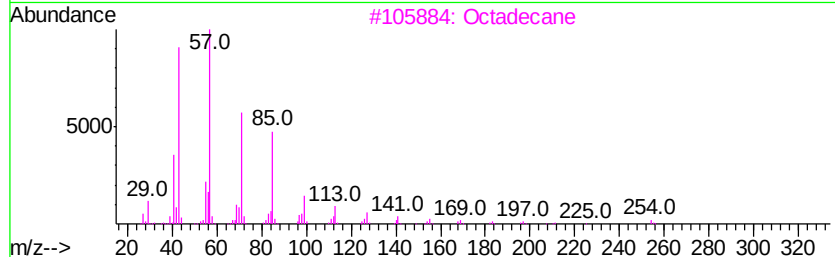
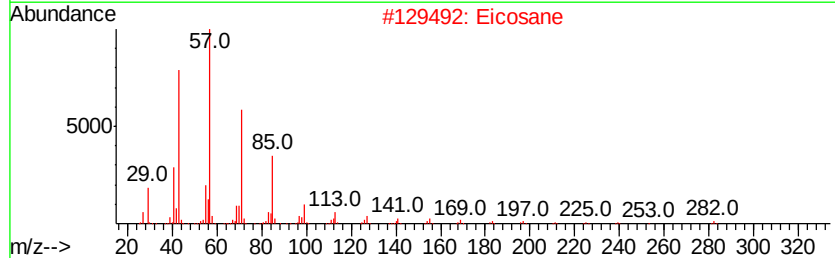
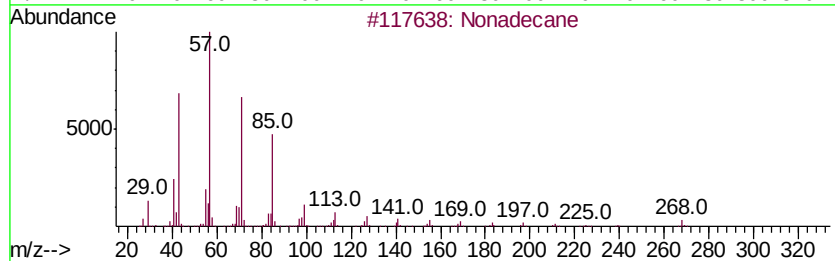
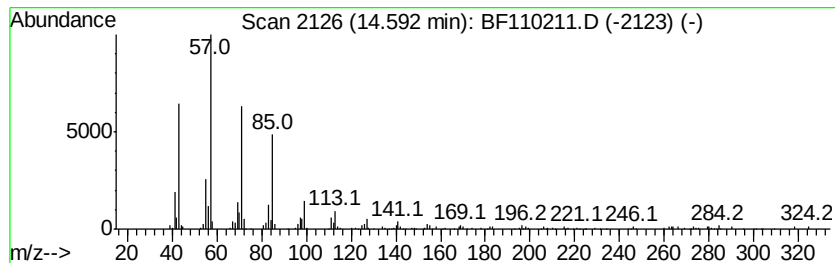
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TIC Integration Parameters: LSCINT.P

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Peak Number 13 Nonadecane Concentration Rank 7

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 14.59 | 6.20 ng | 235590 | Chrysene-d12     | 14.15 |

| Hit# | of | Tentative ID     | MW  | MolForm  | CAS#        | Qual |
|------|----|------------------|-----|----------|-------------|------|
| 1    | 5  | Nonadecane       | 268 | C19H40   | 000629-92-5 | 87   |
| 2    |    | Eicosane         | 282 | C20H42   | 000112-95-8 | 87   |
| 3    |    | Octadecane       | 254 | C18H38   | 000593-45-3 | 87   |
| 4    |    | 1-Iodoundecane   | 282 | C11H23I  | 004282-44-4 | 87   |
| 5    |    | 2-Bromo dodecane | 248 | C12H25Br | 013187-99-0 | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102618\  
Data File : BF110211.D  
Acq On : 26 Oct 2018 15:56  
Operator : JU/SJ  
Sample : J5621-05  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SA-SB-01A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

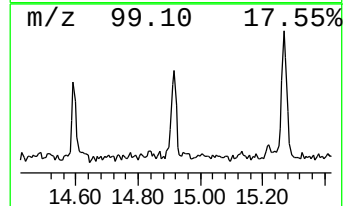
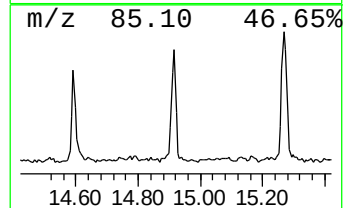
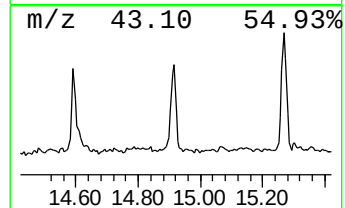
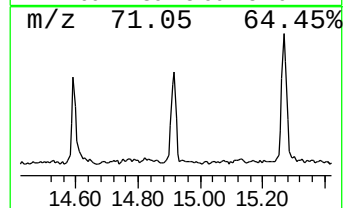
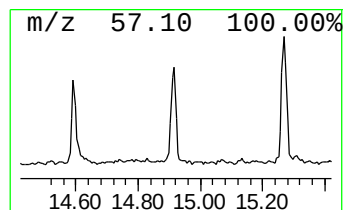
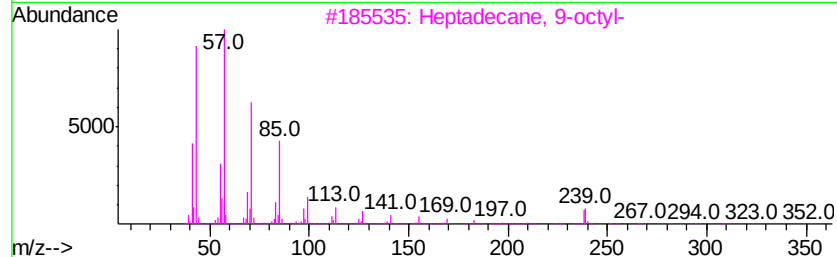
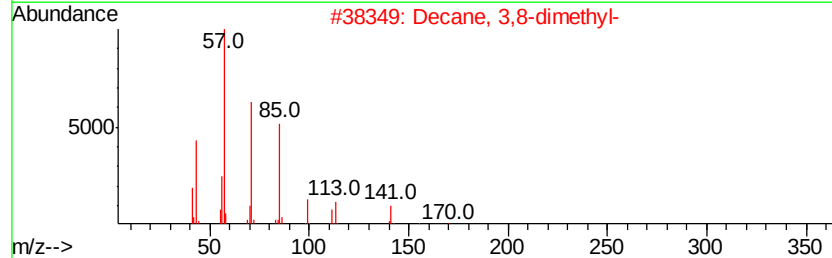
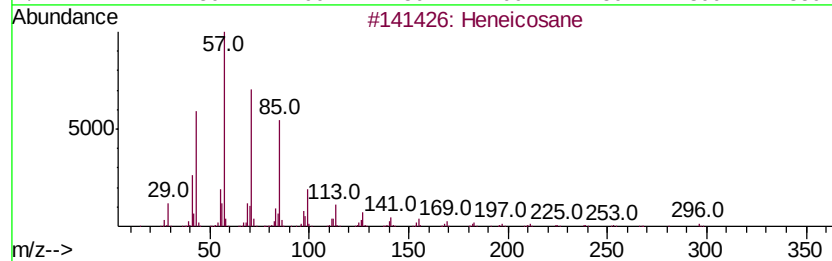
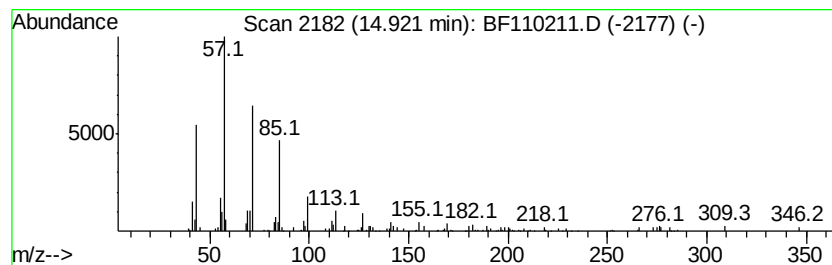
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 14 Heneicosane Concentration Rank 8

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 14.92 | 5.20 ng | 205765 | Perylene-d12     | 15.68 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Heneicosane           | 296 | C21H44  | 000629-94-7 | 93   |
| 2    |    | Decane, 3,8-dimethyl- | 170 | C12H26  | 017312-55-9 | 87   |
| 3    |    | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1 | 87   |
| 4    |    | Docosane, 11-butyl-   | 366 | C26H54  | 013475-76-8 | 86   |
| 5    |    | Octadecane, 1-iodo-   | 380 | C18H37I | 000629-93-6 | 86   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102618\  
Data File : BF110211.D  
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Operator : JU/SJ  
Sample : J5621-05  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SA-SB-01A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

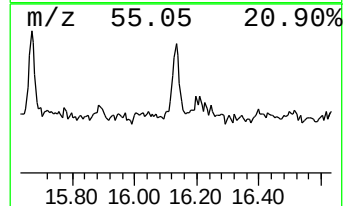
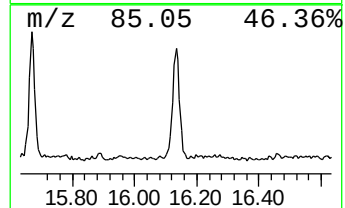
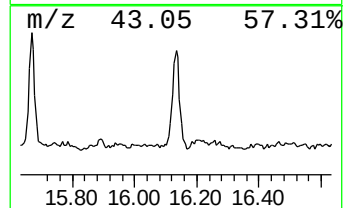
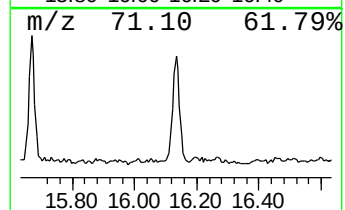
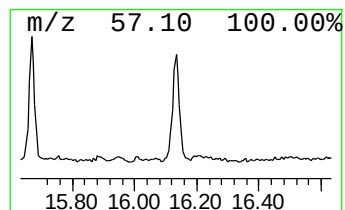
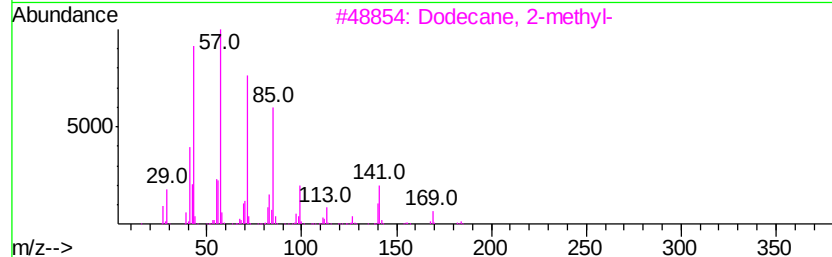
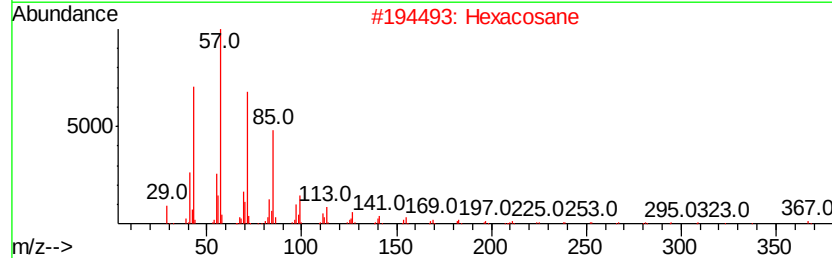
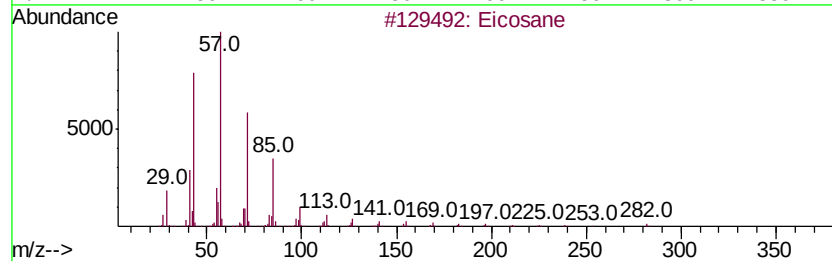
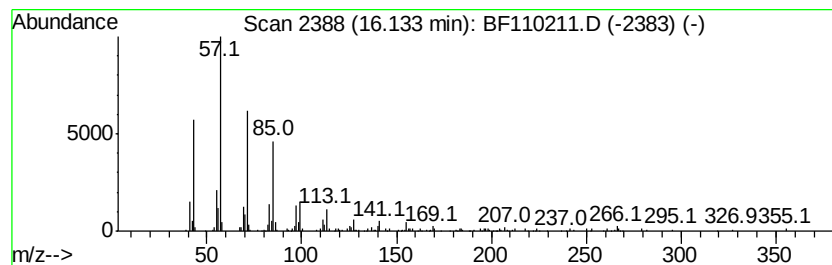
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 15 Eicosane Concentration Rank 6

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 16.13 | 6.86 ng | 271512 | Perylene-d12     | 15.68 |

| Hit# of | 5                     | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|-----------------------|--------------|-----|---------|-------------|------|
| 1       | Eicosane              |              | 282 | C20H42  | 000112-95-8 | 93   |
| 2       | Hexacosane            |              | 366 | C26H54  | 000630-01-3 | 90   |
| 3       | Dodecane, 2-methyl-   |              | 184 | C13H28  | 001560-97-0 | 90   |
| 4       | Octacosane            |              | 394 | C28H58  | 000630-02-4 | 87   |
| 5       | Decane, 3,8-dimethyl- |              | 170 | C12H26  | 017312-55-9 | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102618\  
Data File : BF110211.D  
Acq On : 26 Oct 2018 15:56  
Operator : JU/SJ  
Sample : J5621-05  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SA-SB-01A

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

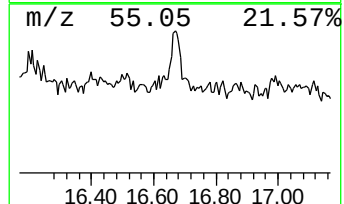
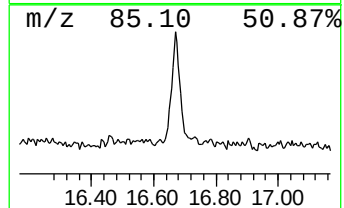
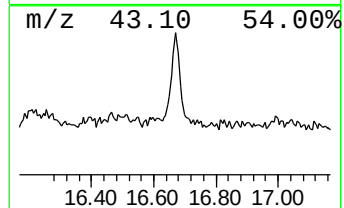
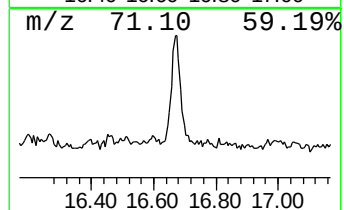
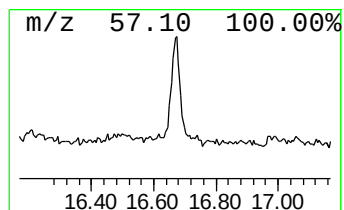
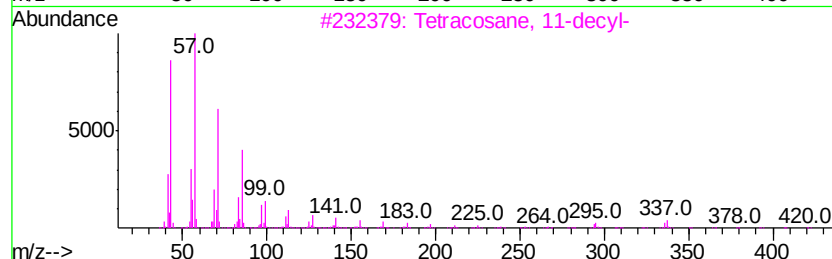
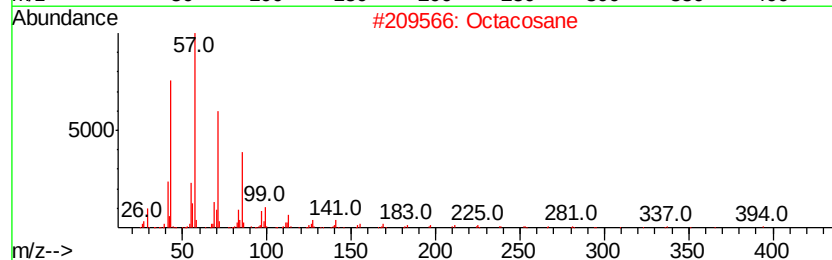
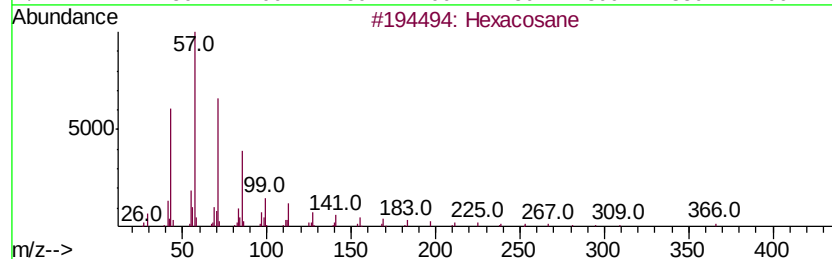
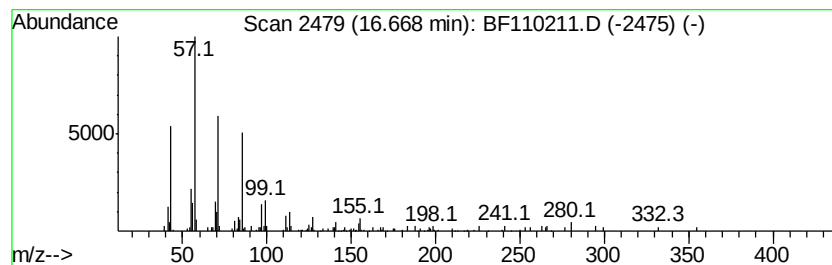
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 16 Octacosane Concentration Rank 10

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 16.67 | 4.51 ng | 178735 | Perylene-d12     | 15.68 |

| Hit# | of | 5 | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------|-----|---------|-------------|------|
| 1    |    |   | Hexacosane             | 366 | C26H54  | 000630-01-3 | 87   |
| 2    |    |   | Octacosane             | 394 | C28H58  | 000630-02-4 | 86   |
| 3    |    |   | Tetracosane, 11-decyl- | 479 | C34H70  | 055429-84-0 | 86   |
| 4    |    |   | Nonadecane             | 268 | C19H40  | 000629-92-5 | 80   |
| 5    |    |   | Tetracosane            | 338 | C24H50  | 000646-31-1 | 80   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF102618\  
 Data File : BF110211.D  
 Acq On : 26 Oct 2018 15:56  
 Operator : JU/SJ  
 Sample : J5621-05  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SA-SB-01A

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... | 2.32  | 11.5    | ng    | 426513   | 1                     | 6.97  | 743927 | 20.0 |
| Acetic acid, 1,1-... | 5.21  | 7.3     | ng    | 270075   | 1                     | 6.97  | 743927 | 20.0 |
| unknown6.74          | 6.74  | 74.1    | ng    | 2756570  | 1                     | 6.97  | 743927 | 20.0 |
| Decane               | 6.79  | 2.1     | ng    | 78750    | 1                     | 6.97  | 743927 | 20.0 |
| Pentadecane, 2,6,... | 10.91 | 2.1     | ng    | 80781    | 4                     | 11.50 | 772604 | 20.0 |
| n-Hexadecanoic acid  | 12.01 | 3.1     | ng    | 120731   | 4                     | 11.50 | 772604 | 20.0 |
| Octacosyl heptafl... | 13.97 | 8.5     | ng    | 323845   | 5                     | 14.15 | 760310 | 20.0 |
| Hexacosane           | 14.29 | 2.8     | ng    | 107849   | 5                     | 14.15 | 760310 | 20.0 |
| Nonadecane           | 14.59 | 6.2     | ng    | 235590   | 5                     | 14.15 | 760310 | 20.0 |
| Heneicosane          | 14.92 | 5.2     | ng    | 205765   | 6                     | 15.68 | 791831 | 20.0 |
| Eicosane             | 16.13 | 6.9     | ng    | 271512   | 6                     | 15.68 | 791831 | 20.0 |
| Octacosane           | 16.67 | 4.5     | ng    | 178735   | 6                     | 15.68 | 791831 | 20.0 |