

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF032419\  
 Data File : BF113269.D  
 Acq On : 24 Mar 2019 15:48  
 Operator : JU/SJ  
 Sample : K2061-01 2X  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 26524-27245

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-BF022719.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         | 4.892       | 475           | 477         | 489          | rVB      | 48505          | 67806         | 3.19%           | 0.273%        |
| 2         | 5.328       | 547           | 551         | 565          | rBV      | 1828693        | 1841212       | 86.54%          | 7.414%        |
| 3         | 6.357       | 722           | 726         | 741          | rBV      | 2109952        | 2026006       | 95.23%          | 8.158%        |
| 4         | 6.486       | 744           | 748         | 751          | rBV      | 2102596        | 2009825       | 94.47%          | 8.092%        |
| 5         | 6.710       | 783           | 786         | 790          | rBV      | 987834         | 920836        | 43.28%          | 3.708%        |
| 6         | 6.869       | 809           | 813         | 818          | rBV      | 1774049        | 1486057       | 69.85%          | 5.984%        |
| 7         | 6.986       | 830           | 833         | 839          | rVB4     | 26940          | 30920         | 1.45%           | 0.124%        |
| 8         | 7.245       | 872           | 877         | 878          | rBV2     | 25456          | 29094         | 1.37%           | 0.117%        |
| 9         | 7.275       | 878           | 882         | 889          | rVV      | 1192492        | 1247057       | 58.62%          | 5.021%        |
| 10        | 7.363       | 893           | 897         | 901          | rVV3     | 26895          | 40863         | 1.92%           | 0.165%        |
| 11        | 7.522       | 923           | 924         | 928          | rVB2     | 38968          | 28757         | 1.35%           | 0.116%        |
| 12        | 7.639       | 941           | 944         | 948          | rVB3     | 62519          | 70305         | 3.30%           | 0.283%        |
| 13        | 7.686       | 948           | 952         | 954          | rBV3     | 21309          | 32616         | 1.53%           | 0.131%        |
| 14        | 7.763       | 960           | 965         | 968          | rBV3     | 27185          | 36456         | 1.71%           | 0.147%        |
| 15        | 7.828       | 973           | 976         | 980          | rVB3     | 39279          | 40997         | 1.93%           | 0.165%        |
| 16        | 7.886       | 980           | 986         | 989          | rBV      | 77281          | 108550        | 5.10%           | 0.437%        |
| 17        | 7.992       | 1000          | 1004        | 1010         | rBV      | 1164931        | 1192965       | 56.07%          | 4.803%        |
| 18        | 8.069       | 1015          | 1017        | 1019         | rVV      | 129530         | 102574        | 4.82%           | 0.413%        |
| 19        | 8.092       | 1019          | 1021        | 1024         | rVV2     | 37399          | 37374         | 1.76%           | 0.150%        |
| 20        | 8.122       | 1024          | 1026        | 1029         | rVB3     | 39063          | 30899         | 1.45%           | 0.124%        |
| 21        | 8.169       | 1031          | 1034        | 1037         | rBV4     | 37496          | 42338         | 1.99%           | 0.170%        |
| 22        | 8.210       | 1037          | 1041        | 1043         | rVB      | 126300         | 107962        | 5.07%           | 0.435%        |
| 23        | 8.286       | 1051          | 1054        | 1058         | rBV5     | 67974          | 89505         | 4.21%           | 0.360%        |
| 24        | 8.351       | 1062          | 1065        | 1067         | rBV2     | 33959          | 33624         | 1.58%           | 0.135%        |
| 25        | 8.428       | 1074          | 1078        | 1083         | rBV2     | 180912         | 237678        | 11.17%          | 0.957%        |
| 26        | 8.504       | 1088          | 1091        | 1094         | rVB2     | 41851          | 41226         | 1.94%           | 0.166%        |
| 27        | 8.545       | 1094          | 1098        | 1100         | rBV2     | 104407         | 114219        | 5.37%           | 0.460%        |
| 28        | 8.598       | 1104          | 1107        | 1111         | rBV4     | 41987          | 60143         | 2.83%           | 0.242%        |
| 29        | 8.692       | 1120          | 1123        | 1126         | rVB2     | 87126          | 107535        | 5.05%           | 0.433%        |
| 30        | 8.739       | 1129          | 1131        | 1135         | rBV4     | 31473          | 45854         | 2.16%           | 0.185%        |
| 31        | 8.880       | 1152          | 1155        | 1157         | rBV4     | 61970          | 62324         | 2.93%           | 0.251%        |
| 32        | 8.986       | 1171          | 1173        | 1176         | rBV3     | 35652          | 34794         | 1.64%           | 0.140%        |
| 33        | 9.027       | 1177          | 1180        | 1183         | rVB      | 344871         | 276563        | 13.00%          | 1.114%        |
| 34        | 9.069       | 1183          | 1187        | 1194         | rBV      | 2358440        | 2127469       | 100.00%         | 8.566%        |

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Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
26524-27245

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-BF022719.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 9.163  | 1199 | 1203 | 1207 | rBV4 | 110050  | 142173  | 6.68%  | 0.572% |
| 36 | 9.275  | 1220 | 1222 | 1226 | rBV3 | 43104   | 40664   | 1.91%  | 0.164% |
| 37 | 9.480  | 1251 | 1257 | 1260 | rBV2 | 334845  | 387033  | 18.19% | 1.558% |
| 38 | 9.586  | 1273 | 1275 | 1278 | rVB2 | 69858   | 50673   | 2.38%  | 0.204% |
| 39 | 9.627  | 1280 | 1282 | 1285 | rVB3 | 55785   | 47250   | 2.22%  | 0.190% |
| 40 | 9.663  | 1285 | 1288 | 1291 | rBV  | 73167   | 67624   | 3.18%  | 0.272% |
| 41 | 9.745  | 1297 | 1302 | 1308 | rBV  | 1443196 | 1340721 | 63.02% | 5.398% |
| 42 | 9.951  | 1334 | 1337 | 1339 | rVB  | 52368   | 41242   | 1.94%  | 0.166% |
| 43 | 10.010 | 1345 | 1347 | 1351 | rVB2 | 91951   | 78576   | 3.69%  | 0.316% |
| 44 | 10.410 | 1411 | 1415 | 1420 | rVB  | 140862  | 165416  | 7.78%  | 0.666% |
| 45 | 10.457 | 1420 | 1423 | 1426 | rVB5 | 24418   | 24235   | 1.14%  | 0.098% |
| 46 | 10.533 | 1432 | 1436 | 1443 | rBV  | 1348400 | 1340240 | 63.00% | 5.396% |
| 47 | 10.669 | 1456 | 1459 | 1466 | rVB  | 155582  | 177971  | 8.37%  | 0.717% |
| 48 | 10.974 | 1508 | 1511 | 1523 | rVB4 | 54790   | 103159  | 4.85%  | 0.415% |
| 49 | 11.133 | 1535 | 1538 | 1542 | rVB  | 117303  | 115474  | 5.43%  | 0.465% |
| 50 | 11.227 | 1550 | 1554 | 1564 | rBV  | 1283877 | 1253816 | 58.93% | 5.048% |
| 51 | 11.763 | 1642 | 1645 | 1652 | rBV  | 229958  | 289791  | 13.62% | 1.167% |
| 52 | 12.545 | 1776 | 1778 | 1784 | rBV4 | 97648   | 112218  | 5.27%  | 0.452% |
| 53 | 12.804 | 1818 | 1822 | 1826 | rBV  | 1985827 | 1784173 | 83.86% | 7.184% |
| 54 | 13.857 | 1997 | 2001 | 2005 | rBV  | 1091813 | 1121931 | 52.74% | 4.517% |
| 55 | 14.627 | 2130 | 2132 | 2137 | rVB  | 295332  | 291013  | 13.68% | 1.172% |
| 56 | 15.268 | 2237 | 2241 | 2244 | rBV  | 839924  | 1098099 | 51.62% | 4.421% |

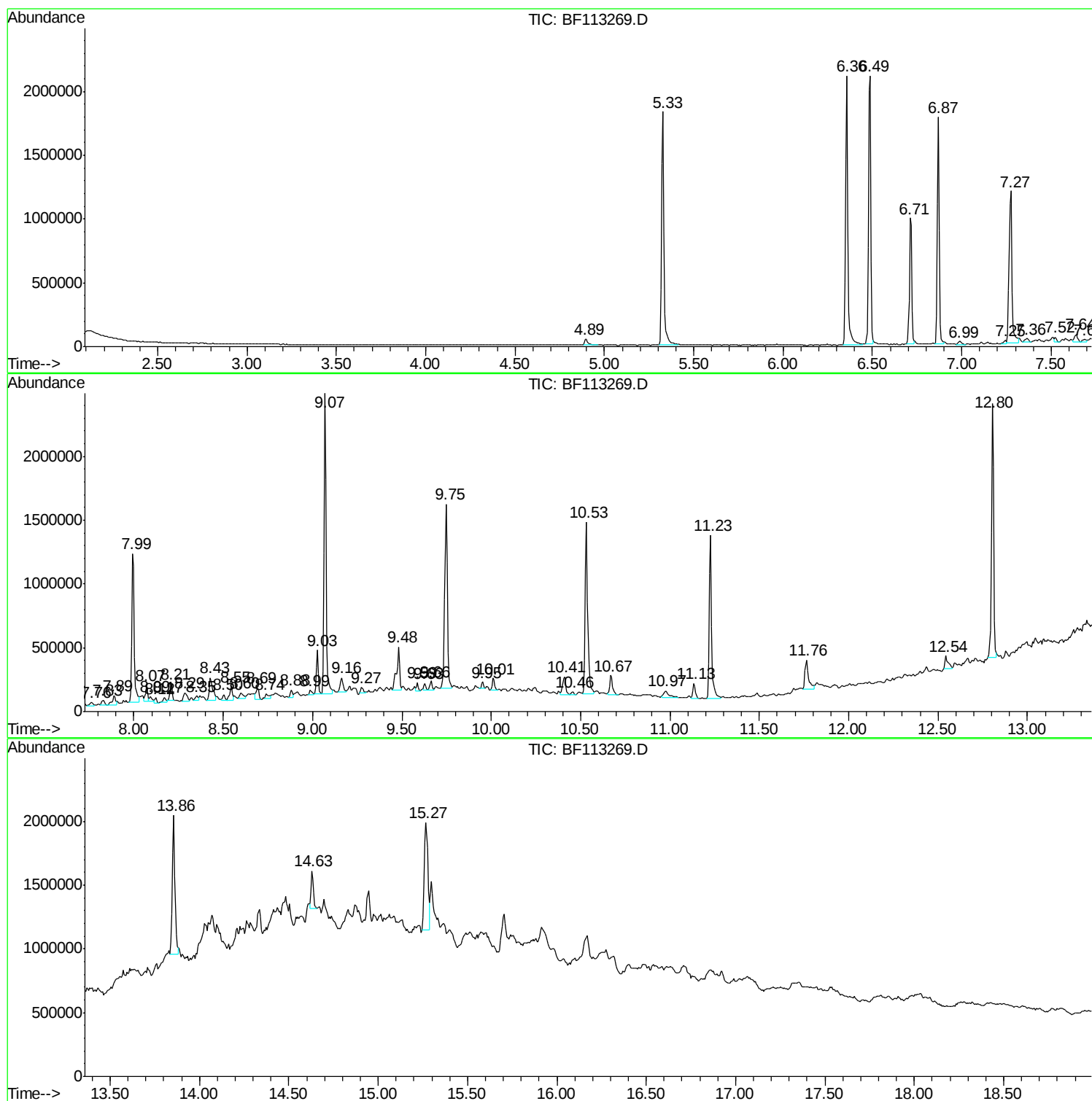
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Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032419\  
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Operator : JU/SJ  
Sample : K2061-01 2X  
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Instrument :  
BNA\_F  
ClientSampleId :  
26524-27245

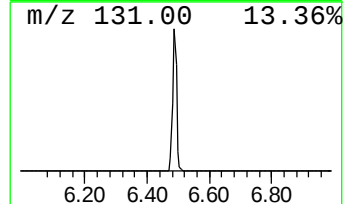
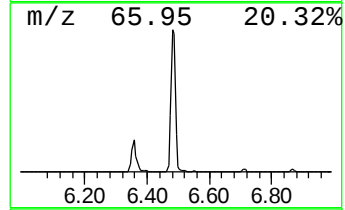
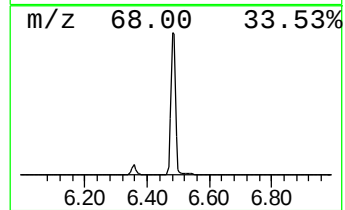
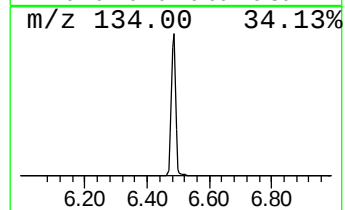
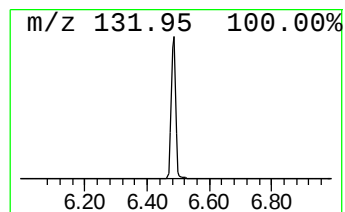
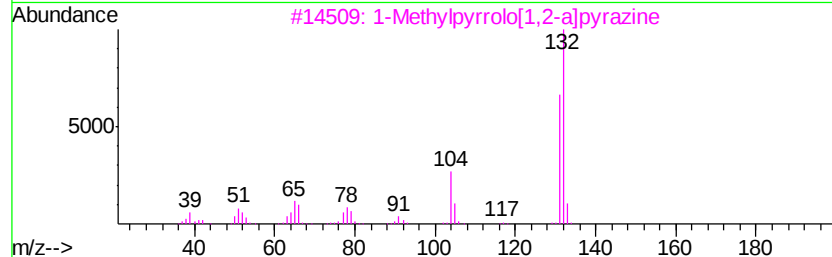
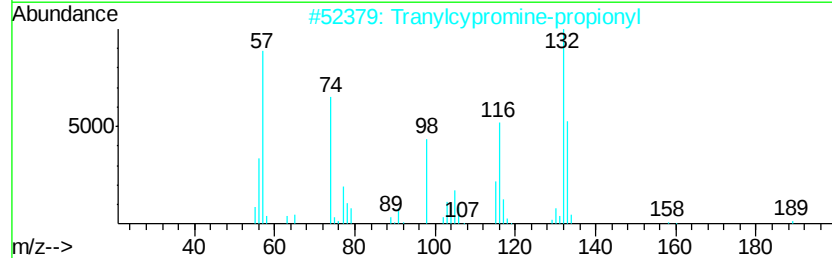
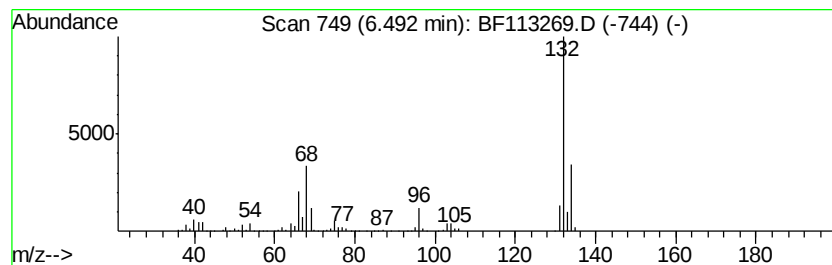
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 unknown6.49 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.49 | 43.65 ng | 2009830 | 1,4-Dichlorobenzene-d4 | 6.71 |

| Hit# | of                             | Tentative ID | MW        | MolForm      | CAS# | Qual |
|------|--------------------------------|--------------|-----------|--------------|------|------|
| 1    | 3-Chloro-6-fluoro-pyrazine     | 132          | C4H2ClFN2 | 1000146-10-7 | 27   |      |
| 2    | Tranylcypromine-propionyl      | 189          | C12H15NO  | 1000123-86-3 | 12   |      |
| 3    | 1-Methylpyrrolo[1,2-a]pyrazine | 132          | C8H8N2    | 064608-59-9  | 9    |      |
| 4    | 4-Methylpyrrolo[1,2-a]pyrazine | 132          | C8H8N2    | 064608-60-2  | 9    |      |
| 5    | 1H-Benzimidazole, 2-methyl-    | 132          | C8H8N2    | 000615-15-6  | 9    |      |



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Instrument :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

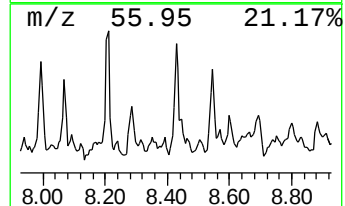
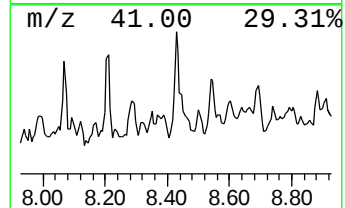
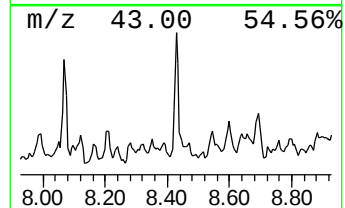
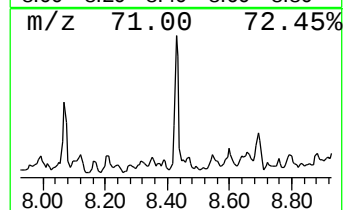
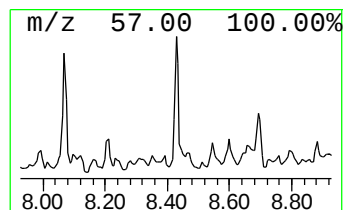
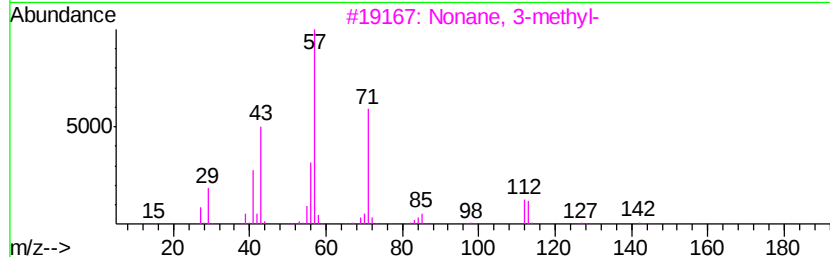
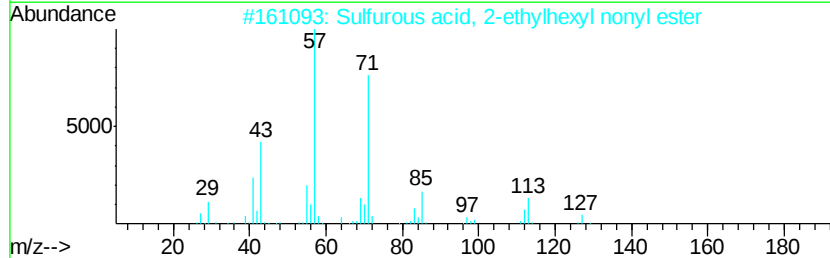
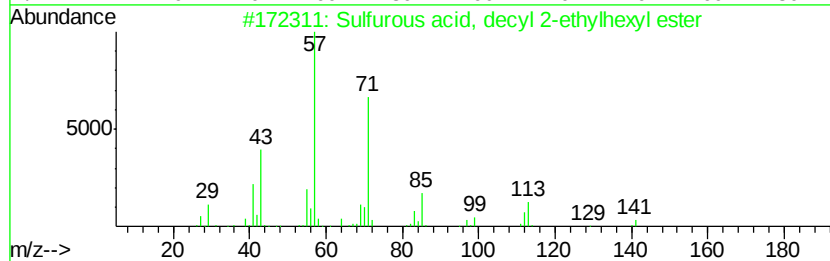
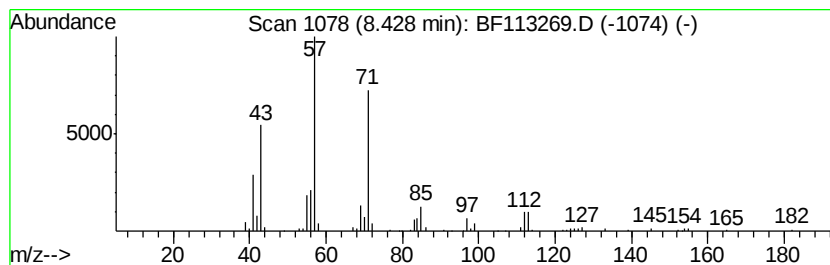
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Sulfurous acid, decyl 2-eth... Concentration Rank 6

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 8.43 | 3.98 ng | 237678 | Napthalene-d8    | 7.99 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Sulfurous acid, decyl 2-ethylhex... | 334 | C18H38O3S | 1000309-19-3 | 80   |
| 2    |    | Sulfurous acid, 2-ethylhexyl non... | 320 | C17H36O3S | 1000309-19-2 | 72   |
| 3    |    | Nonane, 3-methyl-                   | 142 | C10H22    | 005911-04-6  | 72   |
| 4    |    | Heptadecane, 7-methyl-              | 254 | C18H38    | 020959-33-5  | 64   |
| 5    |    | Pentadecane, 2,6,10-trimethyl-      | 254 | C18H38    | 003892-00-0  | 64   |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

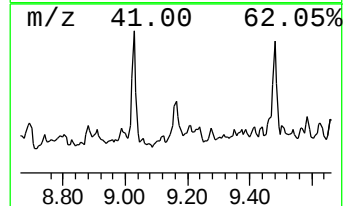
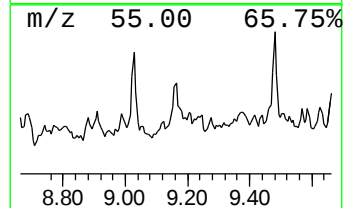
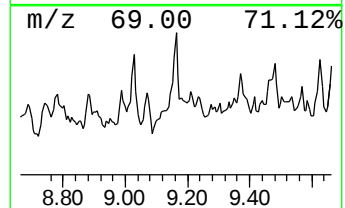
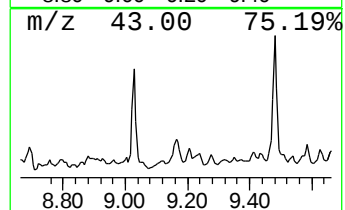
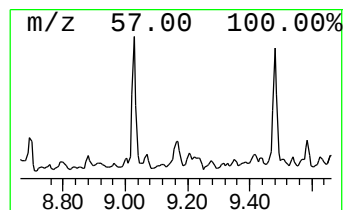
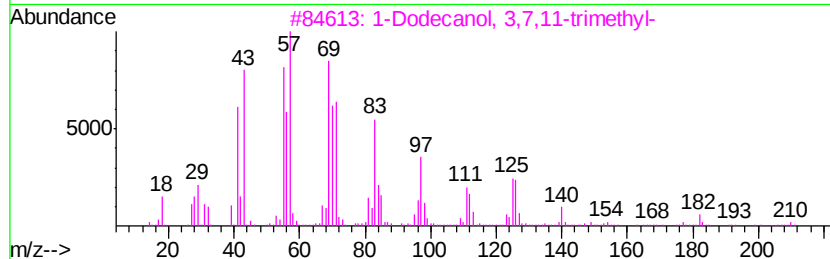
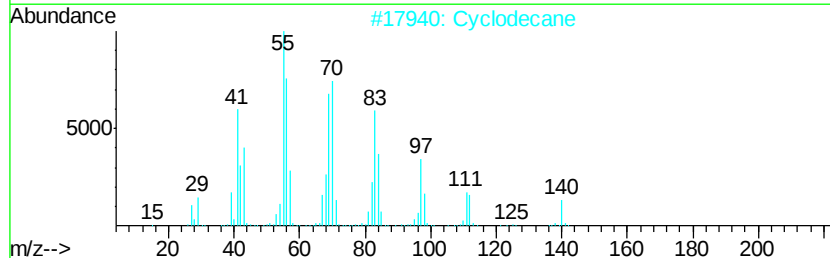
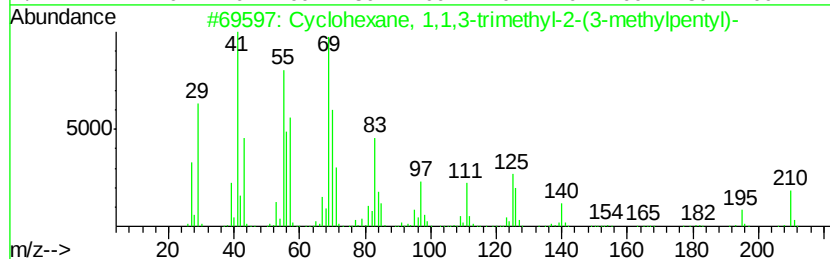
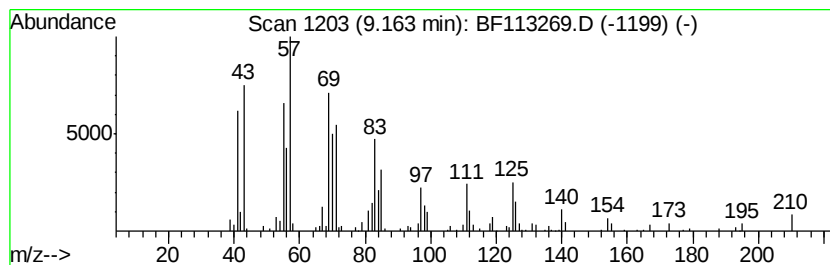
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Cyclohexane, 1,1,3-trimethy... Concentration Rank 9

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 9.16 | 2.12 ng | 142173 | Acenaphthene-d10 | 9.75 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclohexane, 1,1,3-trimethyl-2-(... | 210 | C15H30  | 054965-05-8 | 89   |
| 2    |    | Cyclodecane                         | 140 | C10H20  | 000293-96-9 | 83   |
| 3    |    | 1-Dodecanol, 3,7,11-trimethyl-      | 228 | C15H32O | 006750-34-1 | 72   |
| 4    |    | 2-Hexyl-1-octanol                   | 214 | C14H30O | 019780-79-1 | 64   |
| 5    |    | cis-2-Nonene                        | 126 | C9H18   | 006434-77-1 | 50   |



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Instrument :  
BNA\_F  
ClientSampleId :  
26524-27245

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

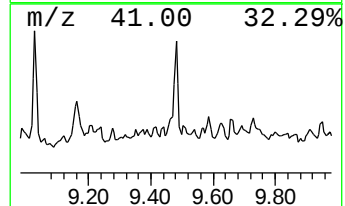
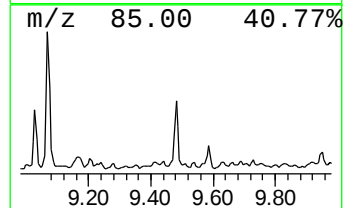
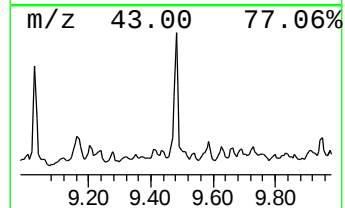
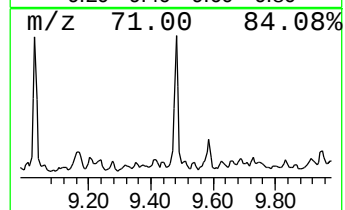
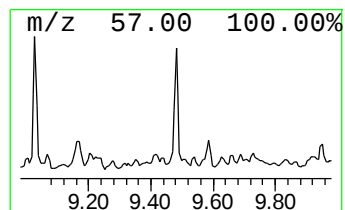
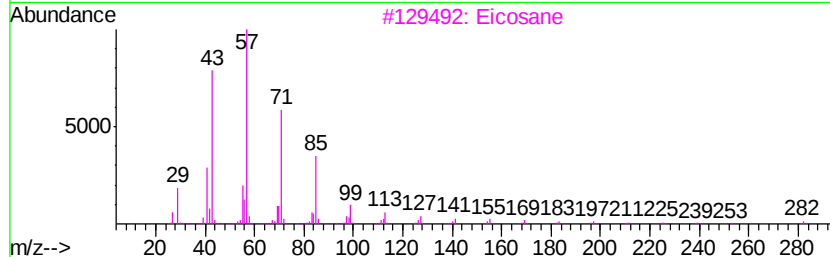
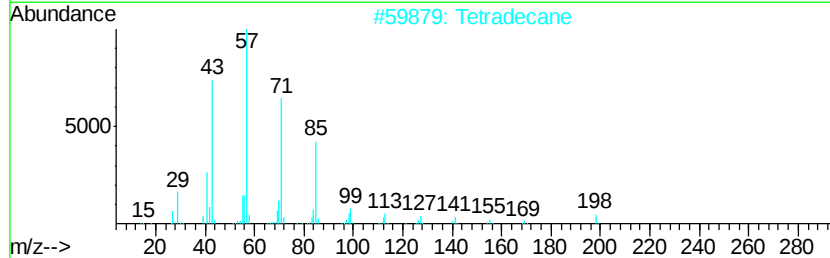
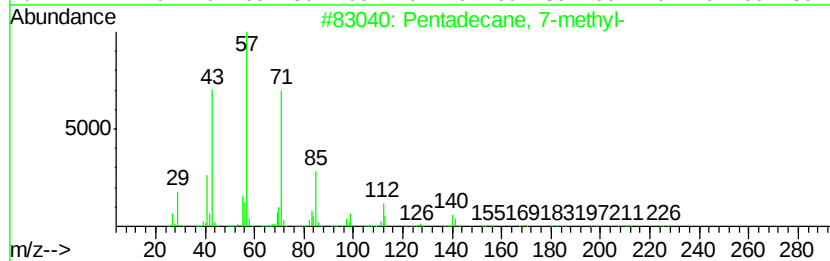
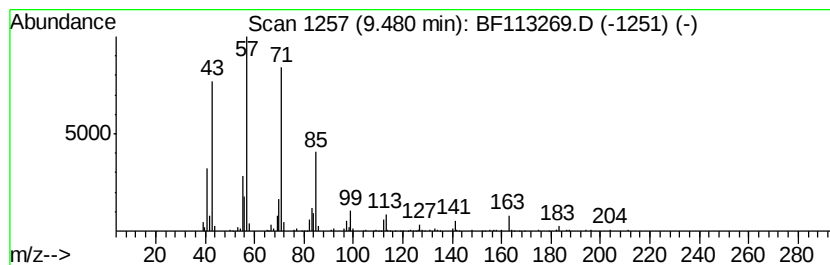
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Pentadecane, 7-methyl- Concentration Rank 3

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 9.48 | 5.77 ng | 387033 | Acenaphthene-d10 | 9.75 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------|-----|---------|-------------|------|
| 1    | 5  | Pentadecane, 7-methyl- | 226 | C16H34  | 006165-40-8 | 90   |
| 2    |    | Tetradecane            | 198 | C14H30  | 000629-59-4 | 90   |
| 3    |    | Eicosane               | 282 | C20H42  | 000112-95-8 | 83   |
| 4    |    | Hexacosane             | 366 | C26H54  | 000630-01-3 | 78   |
| 5    |    | Pentadecane            | 212 | C15H32  | 000629-62-9 | 78   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032419\  
Data File : BF113269.D  
Acq On : 24 Mar 2019 15:48  
Operator : JU/SJ  
Sample : K2061-01 2X  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

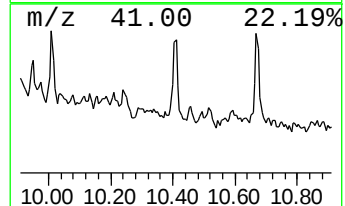
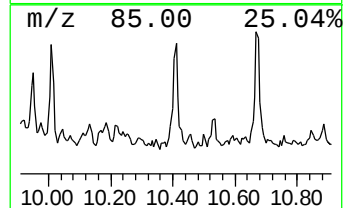
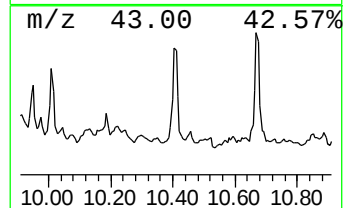
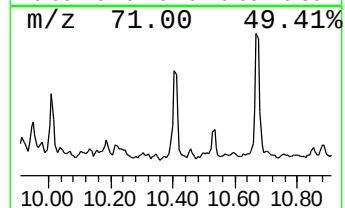
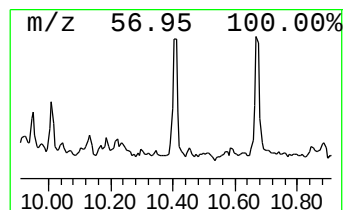
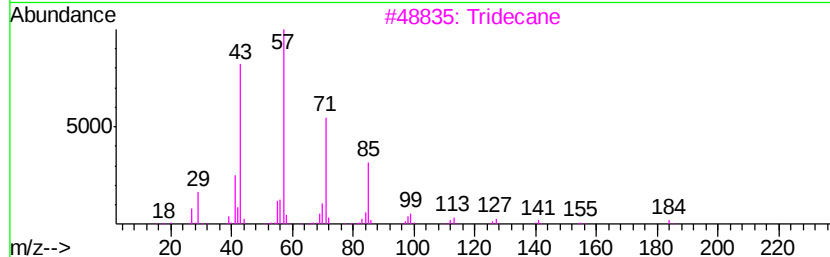
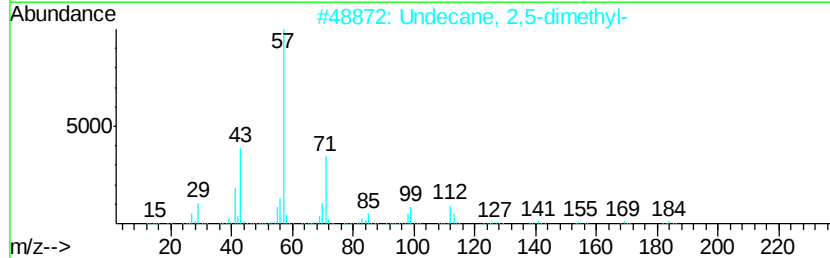
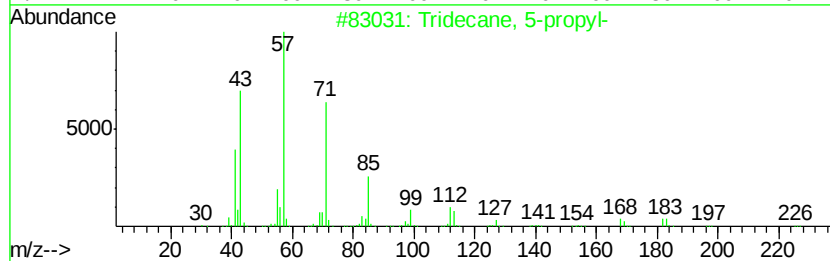
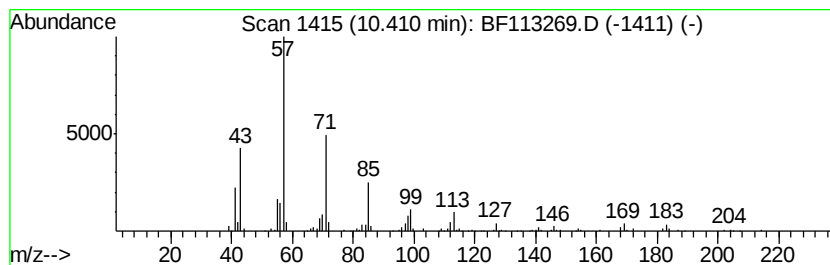
Instrument :  
BNA\_F  
ClientSampleId :  
26524-27245

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.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 Tridecane, 5-propyl- Concentration Rank 8

| R.T.      | EstConc                 | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------|--------|------------------|-------------|------|
| 10.41     | 2.47 ng                 | 165416 | Acenaphthene-d10 | 9.75        |      |
| Hit# of 5 | Tentative ID            | MW     | MolForm          | CAS#        | Qual |
| 1         | Tridecane, 5-propyl-    | 226    | C16H34           | 055045-11-9 | 90   |
| 2         | Undecane, 2,5-dimethyl- | 184    | C13H28           | 017301-22-3 | 76   |
| 3         | Tridecane               | 184    | C13H28           | 000629-50-5 | 72   |
| 4         | Dodecane, 1-iodo-       | 296    | C12H25I          | 004292-19-7 | 72   |
| 5         | Decane, 3,6-dimethyl-   | 170    | C12H26           | 017312-53-7 | 68   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032419\  
Data File : BF113269.D  
Acq On : 24 Mar 2019 15:48  
Operator : JU/SJ  
Sample : K2061-01 2X  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

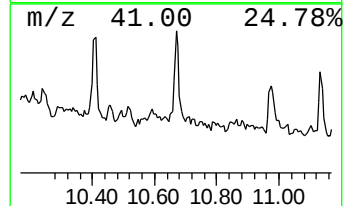
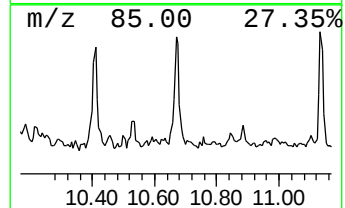
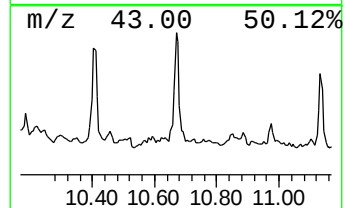
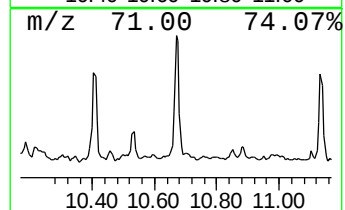
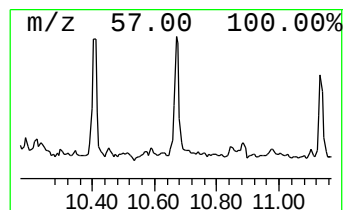
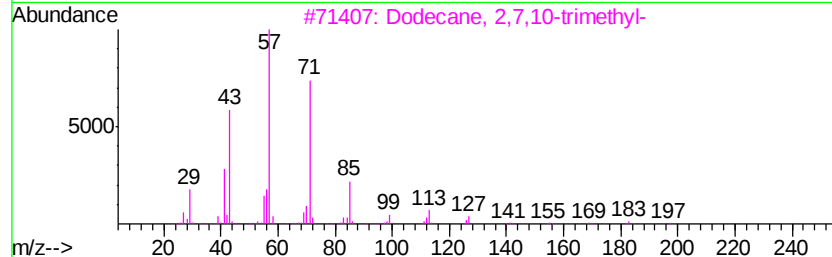
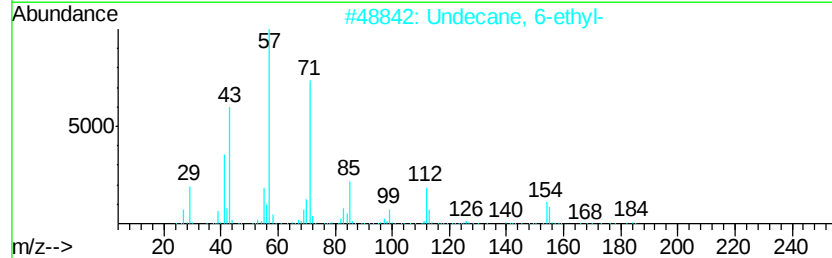
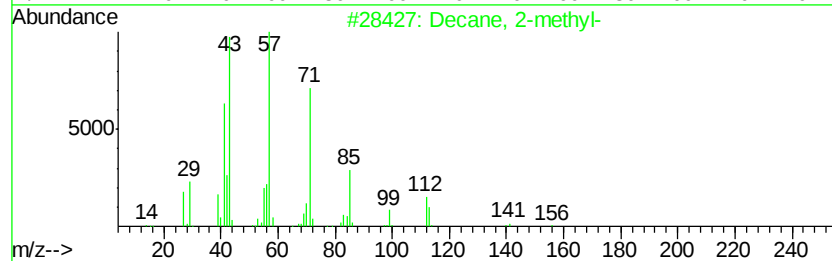
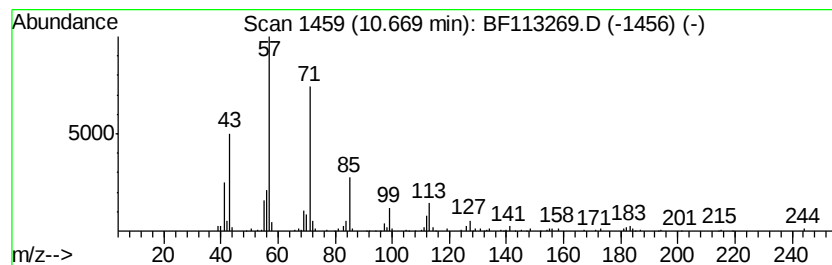
Instrument :  
BNA\_F  
ClientSampleId :  
26524-27245

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.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, 2-methyl- Concentration Rank 7

| R.T.      | EstConc                     | Area   | Relative to ISTD | R.T.        |      |
|-----------|-----------------------------|--------|------------------|-------------|------|
| 10.67     | 2.84 ng                     | 177971 | Phenanthrene-d10 | 11.23       |      |
| Hit# of 5 | Tentative ID                | MW     | MolForm          | CAS#        | Qual |
| 1         | Decane, 2-methyl-           | 156    | C11H24           | 006975-98-0 | 90   |
| 2         | Undecane, 6-ethyl-          | 184    | C13H28           | 017312-60-6 | 87   |
| 3         | Dodecane, 2,7,10-trimethyl- | 212    | C15H32           | 074645-98-0 | 86   |
| 4         | Heptane, 2,6-dimethyl-      | 128    | C9H20            | 001072-05-5 | 80   |
| 5         | Dodecane, 2,6,10-trimethyl- | 212    | C15H32           | 003891-98-3 | 78   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032419\  
Data File : BF113269.D  
Acq On : 24 Mar 2019 15:48  
Operator : JU/SJ  
Sample : K2061-01 2X  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

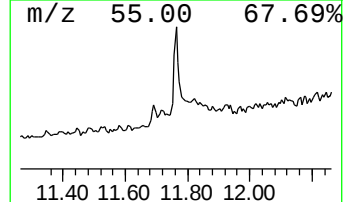
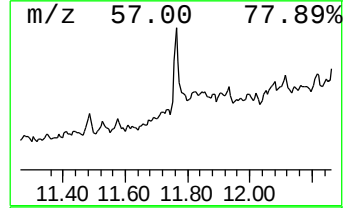
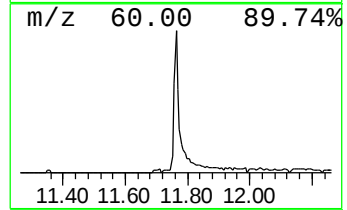
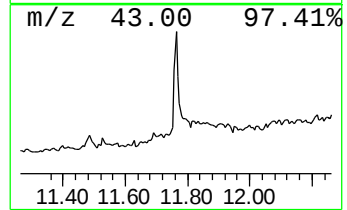
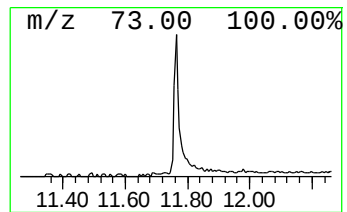
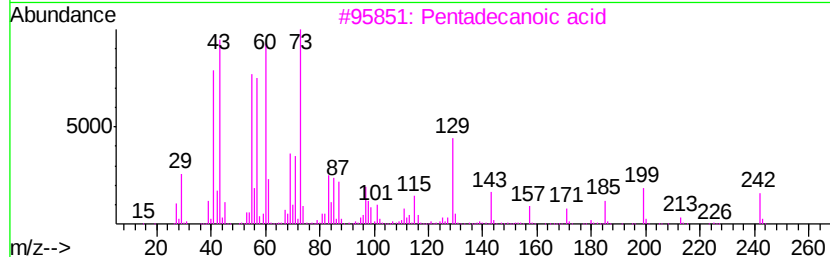
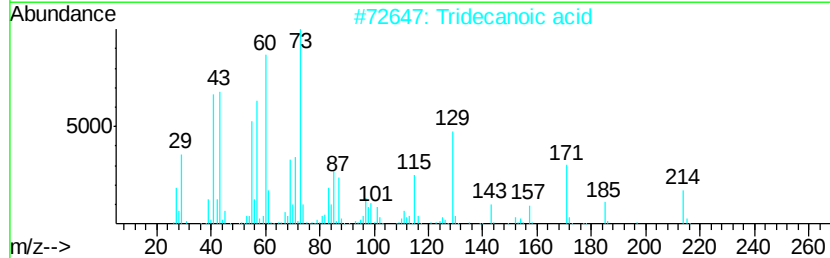
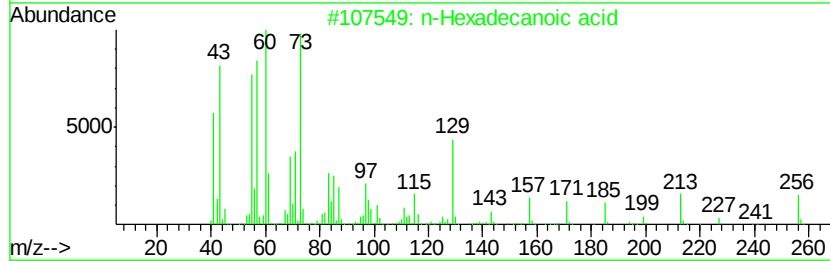
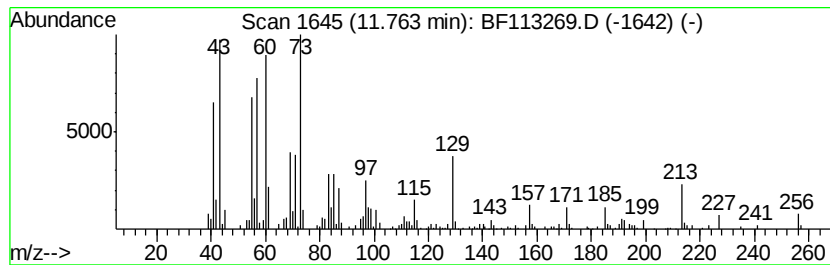
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ClientSampleId :  
26524-27245

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 8 n-Hexadecanoic acid Concentration Rank 5

| R.T.      | EstConc             | Area   | Relative to ISTD |             | R.T.  |
|-----------|---------------------|--------|------------------|-------------|-------|
| 11.76     | 4.62 ng             | 289791 | Phenanthrene-d10 |             | 11.23 |
| Hit# of 5 | Tentative ID        | MW     | MolForm          | CAS#        | Qual  |
| 1         | n-Hexadecanoic acid | 256    | C16H32O2         | 000057-10-3 | 98    |
| 2         | Tridecanoic acid    | 214    | C13H26O2         | 000638-53-9 | 91    |
| 3         | Pentadecanoic acid  | 242    | C15H30O2         | 001002-84-2 | 81    |
| 4         | Tetradecanoic acid  | 228    | C14H28O2         | 000544-63-8 | 74    |
| 5         | Dodecanoic acid     | 200    | C12H24O2         | 000143-07-7 | 38    |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032419\  
Data File : BF113269.D  
Acq On : 24 Mar 2019 15:48  
Operator : JU/SJ  
Sample : K2061-01 2X  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
26524-27245

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

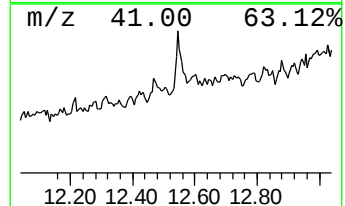
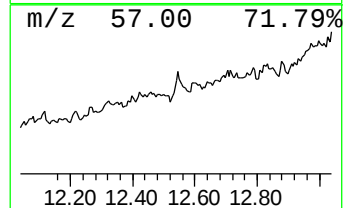
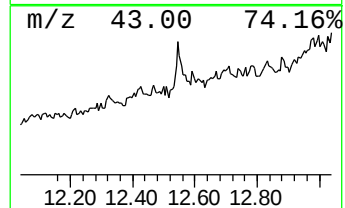
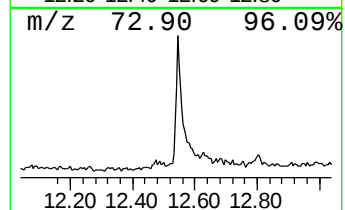
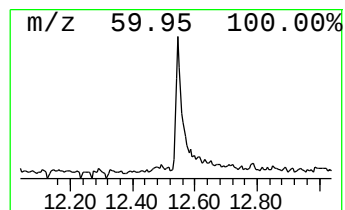
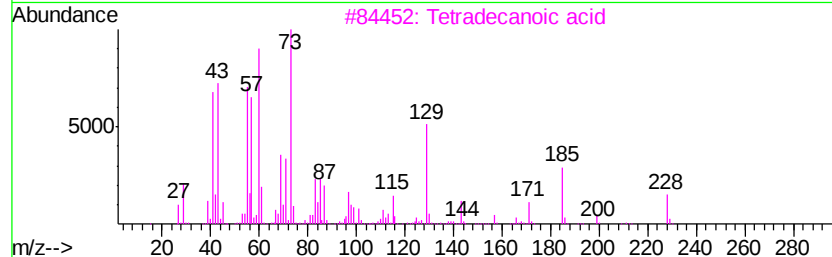
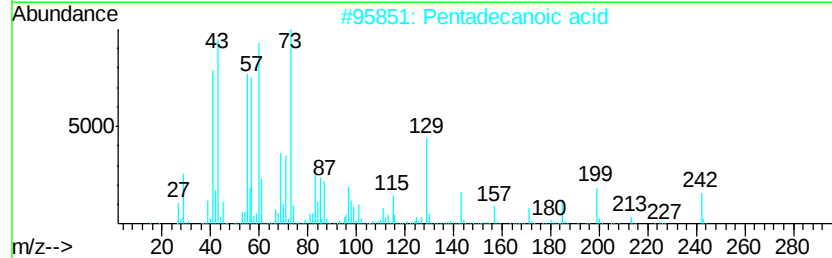
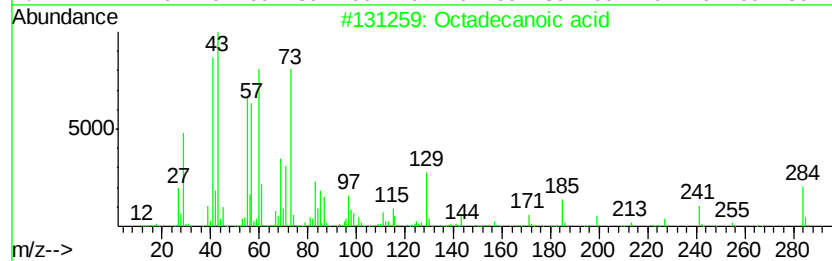
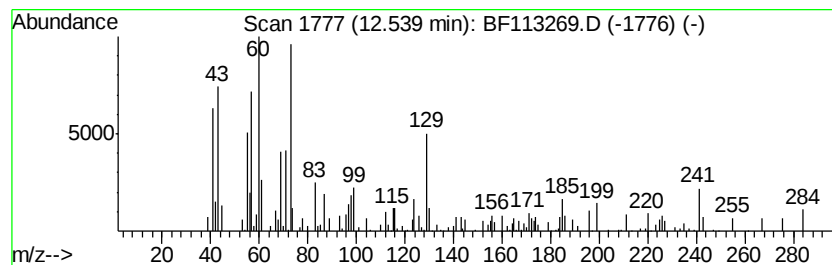
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Octadecanoic acid Concentration Rank 10

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 12.54 | 2.00 ng | 112218 | Chrysene-d12     | 13.86 |

| Hit# of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|---------|---|---------------------|-----|----------|-------------|------|
| 1       |   | Octadecanoic acid   | 284 | C18H36O2 | 000057-11-4 | 97   |
| 2       |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 93   |
| 3       |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 87   |
| 4       |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 80   |
| 5       |   | n-Decanoic acid     | 172 | C10H20O2 | 000334-48-5 | 64   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032419\  
Data File : BF113269.D  
Acq On : 24 Mar 2019 15:48  
Operator : JU/SJ  
Sample : K2061-01 2X  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
26524-27245

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

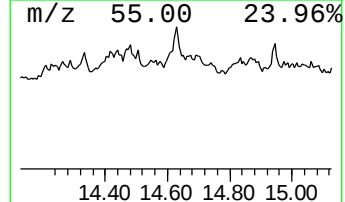
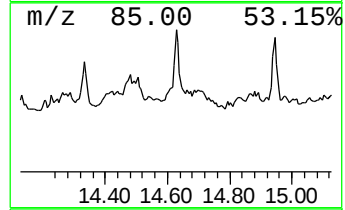
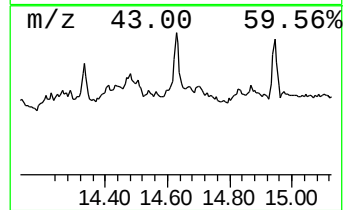
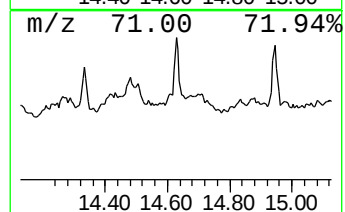
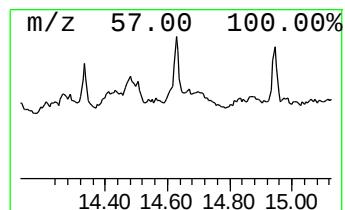
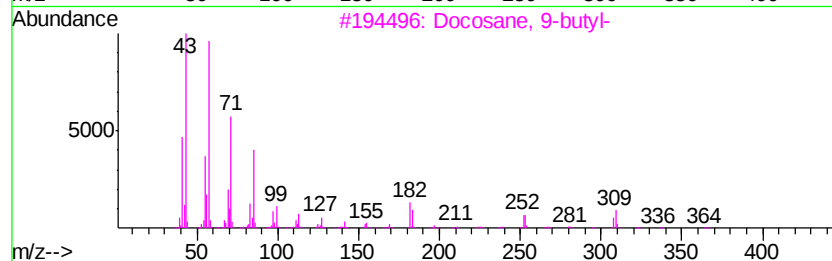
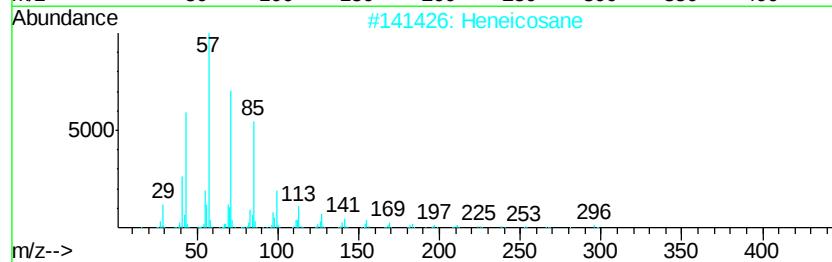
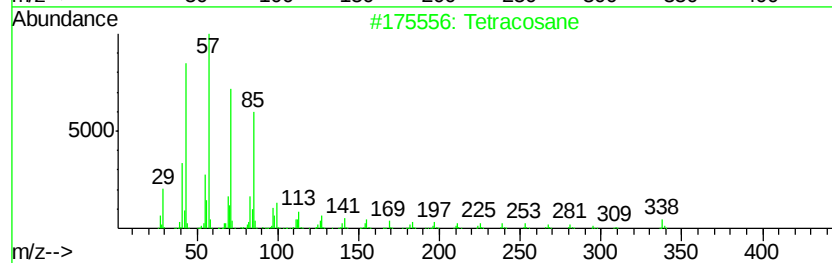
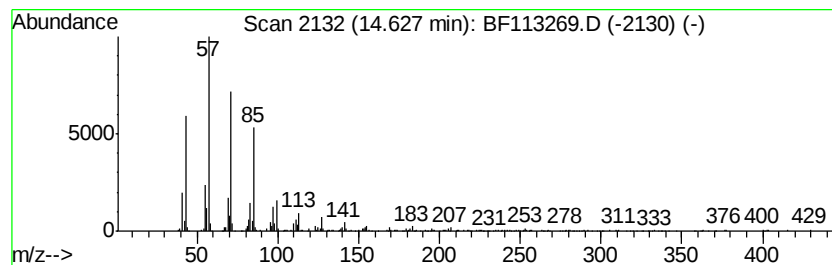
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 Tetracosane Concentration Rank 4

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 14.63 | 5.30 ng | 291013 | Perylene-d12     | 15.27 |

| Hit# | of | 5 | Tentative ID       | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------|-----|---------|-------------|------|
| 1    |    |   | Tetracosane        | 338 | C24H50  | 000646-31-1 | 93   |
| 2    |    |   | Heneicosane        | 296 | C21H44  | 000629-94-7 | 87   |
| 3    |    |   | Docosane, 9-butyl- | 366 | C26H54  | 055282-14-9 | 87   |
| 4    |    |   | Hexadecane         | 226 | C16H34  | 000544-76-3 | 87   |
| 5    |    |   | Eicosane           | 282 | C20H42  | 000112-95-8 | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF032419\  
Data File : BF113269.D  
Acq On : 24 Mar 2019 15:48  
Operator : JU/SJ  
Sample : K2061-01 2X  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
26524-27245

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF022719.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 |
| unknown6.49          | 6.49  | 43.6    | ng    | 2009830  | 1                     | 6.71  | 920836  | 20.0 |
| Sulfurous acid, d... | 8.43  | 4.0     | ng    | 237678   | 2                     | 7.99  | 1192970 | 20.0 |
| Cyclohexane, 1,1,... | 9.16  | 2.1     | ng    | 142173   | 3                     | 9.75  | 1340720 | 20.0 |
| Pentadecane, 7-me... | 9.48  | 5.8     | ng    | 387033   | 3                     | 9.75  | 1340720 | 20.0 |
| Tridecane, 5-propyl- | 10.41 | 2.5     | ng    | 165416   | 3                     | 9.75  | 1340720 | 20.0 |
| Decane, 2-methyl-    | 10.67 | 2.8     | ng    | 177971   | 4                     | 11.23 | 1253820 | 20.0 |
| n-Hexadecanoic acid  | 11.76 | 4.6     | ng    | 289791   | 4                     | 11.23 | 1253820 | 20.0 |
| Octadecanoic acid    | 12.54 | 2.0     | ng    | 112218   | 5                     | 13.86 | 1121930 | 20.0 |
| Tetracosane          | 14.63 | 5.3     | ng    | 291013   | 6                     | 15.27 | 1098100 | 20.0 |