

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG020922\  
 Data File : BG052345.D  
 Acq On : 9 Feb 2022 21:33  
 Operator : CG/JU  
 Sample : N1424-01  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 DB-10(13-15)-02-04-22

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\_G\Methods\8270-BG020722.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG052345.D\data.ms

| 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         | 5.617       | 357           | 362         | 372          | rVB2     | 72243          | 123547        | 3.98%           | 0.236%        |
| 2         | 5.758       | 378           | 386         | 400          | rBV      | 366374         | 632395        | 20.36%          | 1.210%        |
| 3         | 6.152       | 448           | 453         | 457          | rBV2     | 75908          | 118254        | 3.81%           | 0.226%        |
| 4         | 6.217       | 460           | 464         | 472          | rVB      | 56796          | 100356        | 3.23%           | 0.192%        |
| 5         | 6.475       | 500           | 508         | 515          | rBV4     | 141752         | 386180        | 12.44%          | 0.739%        |
| 6         | 6.587       | 521           | 527         | 538          | rVB3     | 73835          | 181758        | 5.85%           | 0.348%        |
| 7         | 6.681       | 538           | 543         | 547          | rBV2     | 115675         | 237876        | 7.66%           | 0.455%        |
| 8         | 6.757       | 552           | 556         | 561          | rVV      | 213965         | 320578        | 10.32%          | 0.613%        |
| 9         | 6.810       | 561           | 565         | 568          | rVV3     | 87334          | 171176        | 5.51%           | 0.328%        |
| 10        | 6.869       | 572           | 575         | 587          | rVV2     | 156290         | 338319        | 10.89%          | 0.647%        |
| 11        | 6.963       | 587           | 591         | 596          | rVB2     | 65946          | 104770        | 3.37%           | 0.200%        |
| 12        | 7.033       | 597           | 603         | 608          | rBV5     | 86866          | 158494        | 5.10%           | 0.303%        |
| 13        | 7.086       | 608           | 612         | 622          | rVB5     | 44694          | 118389        | 3.81%           | 0.227%        |
| 14        | 7.309       | 645           | 650         | 654          | rBV4     | 64739          | 111364        | 3.59%           | 0.213%        |
| 15        | 7.374       | 654           | 661         | 666          | rBV      | 491630         | 942470        | 30.35%          | 1.803%        |
| 16        | 7.544       | 686           | 690         | 696          | rVV3     | 120285         | 239726        | 7.72%           | 0.459%        |
| 17        | 7.609       | 696           | 701         | 704          | rVV2     | 104366         | 175814        | 5.66%           | 0.336%        |
| 18        | 7.650       | 704           | 708         | 715          | rVV5     | 53603          | 126676        | 4.08%           | 0.242%        |
| 19        | 7.726       | 715           | 721         | 725          | rVV5     | 85287          | 204100        | 6.57%           | 0.391%        |
| 20        | 7.785       | 728           | 731         | 742          | rVB5     | 137343         | 332775        | 10.72%          | 0.637%        |
| 21        | 7.950       | 755           | 759         | 764          | rVB3     | 80023          | 135485        | 4.36%           | 0.259%        |
| 22        | 8.049       | 764           | 776         | 782          | rBV6     | 106582         | 313736        | 10.10%          | 0.600%        |
| 23        | 8.161       | 783           | 795         | 798          | rBV6     | 158125         | 532200        | 17.14%          | 1.018%        |
| 24        | 8.196       | 798           | 801         | 810          | rVB3     | 240027         | 554234        | 17.85%          | 1.061%        |
| 25        | 8.302       | 810           | 819         | 824          | rVB5     | 150168         | 346928        | 11.17%          | 0.664%        |
| 26        | 8.373       | 824           | 831         | 833          | rBV6     | 79668          | 166617        | 5.37%           | 0.319%        |
| 27        | 8.414       | 833           | 838         | 843          | rVB3     | 265972         | 457652        | 14.74%          | 0.876%        |
| 28        | 8.478       | 843           | 849         | 853          | rBV2     | 163438         | 317554        | 10.23%          | 0.608%        |
| 29        | 8.584       | 864           | 867         | 874          | rVB4     | 115103         | 217695        | 7.01%           | 0.417%        |
| 30        | 8.660       | 874           | 880         | 881          | rBV5     | 84511          | 126666        | 4.08%           | 0.242%        |
| 31        | 8.801       | 889           | 904         | 913          | rVB3     | 251395         | 744661        | 23.98%          | 1.425%        |
| 32        | 8.919       | 919           | 924         | 931          | rBV6     | 59295          | 161305        | 5.19%           | 0.309%        |
| 33        | 9.019       | 937           | 941         | 948          | rVB4     | 93059          | 192106        | 6.19%           | 0.368%        |
| 34        | 9.089       | 948           | 953         | 954          | rBV2     | 151606         | 224046        | 7.21%           | 0.429%        |
| 35        | 9.236       | 970           | 978         | 987          | rVB6     | 125193         | 430903        | 13.88%          | 0.825%        |
| 36        | 9.354       | 987           | 998         | 1002         | rBV4     | 398595         | 1133381       | 36.50%          | 2.169%        |

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 BNA\_G  
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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\_G\Methods\8270-BG020722.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |       |      |      |      |      |        |        |        |        |
|----|-------|------|------|------|------|--------|--------|--------|--------|
| 37 | 9.401 | 1002 | 1006 | 1010 | rVV  | 182368 | 249543 | 8.04%  | 0.478% |
| 38 | 9.448 | 1010 | 1014 | 1021 | rVB5 | 191978 | 362671 | 11.68% | 0.694% |
| 39 | 9.512 | 1021 | 1025 | 1029 | rVB3 | 156273 | 245236 | 7.90%  | 0.469% |
| 40 | 9.565 | 1029 | 1034 | 1036 | rBV3 | 240125 | 420741 | 13.55% | 0.805% |

|    |       |      |      |      |      |        |        |        |        |
|----|-------|------|------|------|------|--------|--------|--------|--------|
| 41 | 9.677 | 1049 | 1053 | 1055 | rBV4 | 101681 | 160366 | 5.16%  | 0.307% |
| 42 | 9.724 | 1056 | 1061 | 1066 | rVB3 | 284095 | 585234 | 18.85% | 1.120% |
| 43 | 9.824 | 1067 | 1078 | 1083 | rBV8 | 207703 | 730724 | 23.53% | 1.398% |
| 44 | 9.888 | 1084 | 1089 | 1094 | rBV2 | 358772 | 609345 | 19.62% | 1.166% |
| 45 | 9.982 | 1101 | 1105 | 1108 | rBV  | 280210 | 421072 | 13.56% | 0.806% |

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 46 | 10.123 | 1121 | 1129 | 1135 | rBV4 | 213191 | 704497 | 22.69% | 1.348% |
| 47 | 10.176 | 1136 | 1138 | 1142 | rVB3 | 123894 | 153690 | 4.95%  | 0.294% |
| 48 | 10.247 | 1143 | 1150 | 1155 | rBV3 | 434729 | 920670 | 29.65% | 1.762% |
| 49 | 10.640 | 1212 | 1217 | 1227 | rVV7 | 215617 | 677655 | 21.82% | 1.297% |
| 50 | 10.787 | 1235 | 1242 | 1247 | rBV5 | 346927 | 726248 | 23.39% | 1.390% |

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 51 | 10.852 | 1248 | 1253 | 1257 | rBV4 | 159239  | 302912  | 9.75%  | 0.580% |
| 52 | 11.034 | 1279 | 1284 | 1289 | rBV6 | 226359  | 551193  | 17.75% | 1.055% |
| 53 | 11.222 | 1311 | 1316 | 1322 | rVB  | 1432178 | 2501024 | 80.54% | 4.786% |
| 54 | 11.286 | 1322 | 1327 | 1333 | rBV3 | 372805  | 808443  | 26.03% | 1.547% |
| 55 | 11.445 | 1348 | 1354 | 1359 | rBV5 | 266435  | 619247  | 19.94% | 1.185% |

|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 56 | 11.498 | 1359 | 1363 | 1367 | rVV3 | 197226 | 336439  | 10.83% | 0.644% |
| 57 | 11.574 | 1372 | 1376 | 1380 | rVV2 | 618129 | 1096395 | 35.30% | 2.098% |
| 58 | 11.621 | 1381 | 1384 | 1393 | rVB7 | 215363 | 522057  | 16.81% | 0.999% |
| 59 | 11.762 | 1400 | 1408 | 1415 | rVB9 | 428222 | 1136704 | 36.60% | 2.175% |
| 60 | 11.903 | 1427 | 1432 | 1437 | rBV5 | 240348 | 445975  | 14.36% | 0.853% |

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 61 | 12.085 | 1457 | 1463 | 1467 | rBV  | 1894739 | 2880527 | 92.76% | 5.512% |
| 62 | 12.126 | 1467 | 1470 | 1474 | rVB  | 450425  | 606095  | 19.52% | 1.160% |
| 63 | 12.267 | 1490 | 1494 | 1499 | rVB3 | 223590  | 393487  | 12.67% | 0.753% |
| 64 | 12.355 | 1505 | 1509 | 1512 | rVB2 | 329770  | 422350  | 13.60% | 0.808% |
| 65 | 12.684 | 1559 | 1565 | 1572 | rVB3 | 906979  | 2047301 | 65.92% | 3.918% |

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 66 | 12.749 | 1572 | 1576 | 1579 | rBV4 | 175079  | 284195  | 9.15%   | 0.544% |
| 67 | 12.872 | 1592 | 1597 | 1598 | rBV3 | 226671  | 362240  | 11.66%  | 0.693% |
| 68 | 13.160 | 1642 | 1646 | 1653 | rVB6 | 272622  | 570348  | 18.37%  | 1.091% |
| 69 | 13.231 | 1654 | 1658 | 1662 | rBV4 | 181809  | 310082  | 9.98%   | 0.593% |
| 70 | 13.413 | 1684 | 1689 | 1695 | rVB  | 2102428 | 3105502 | 100.00% | 5.942% |

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 71 | 13.501 | 1700 | 1704 | 1709 | rVB  | 635545  | 1020551 | 32.86% | 1.953% |
| 72 | 13.677 | 1730 | 1734 | 1738 | rBV4 | 430217  | 896698  | 28.87% | 1.716% |
| 73 | 14.082 | 1799 | 1803 | 1807 | rBV4 | 218612  | 323338  | 10.41% | 0.619% |
| 74 | 14.312 | 1838 | 1842 | 1844 | rBV3 | 441186  | 647046  | 20.84% | 1.238% |
| 75 | 14.347 | 1844 | 1848 | 1853 | rVB  | 1736600 | 2328980 | 75.00% | 4.457% |

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 76 | 14.711 | 1907 | 1910 | 1917 | rVB4 | 380367 | 590035 | 19.00% | 1.129% |
|----|--------|------|------|------|------|--------|--------|--------|--------|

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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\_G\Methods\8270-BG020722.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|     |        |      |      |      |      |         |         |        |        |
|-----|--------|------|------|------|------|---------|---------|--------|--------|
| 77  | 15.087 | 1971 | 1974 | 1983 | rVB5 | 208226  | 437625  | 14.09% | 0.837% |
| 78  | 15.163 | 1984 | 1987 | 1990 | rBV4 | 87547   | 130881  | 4.21%  | 0.250% |
| 79  | 15.257 | 2000 | 2003 | 2008 | rVB3 | 184318  | 247365  | 7.97%  | 0.473% |
| 80  | 15.375 | 2019 | 2023 | 2029 | rBV6 | 182811  | 367246  | 11.83% | 0.703% |
| 81  | 15.486 | 2039 | 2042 | 2047 | rVB5 | 102987  | 167872  | 5.41%  | 0.321% |
| 82  | 15.663 | 2067 | 2072 | 2080 | rVB6 | 194841  | 388301  | 12.50% | 0.743% |
| 83  | 16.103 | 2143 | 2147 | 2156 | rVB  | 276893  | 531655  | 17.12% | 1.017% |
| 84  | 16.362 | 2186 | 2191 | 2196 | rVB  | 531078  | 738312  | 23.77% | 1.413% |
| 85  | 16.585 | 2224 | 2229 | 2236 | rVB  | 403981  | 575707  | 18.54% | 1.102% |
| 86  | 17.407 | 2364 | 2369 | 2374 | rVB  | 119399  | 173588  | 5.59%  | 0.332% |
| 87  | 17.625 | 2400 | 2406 | 2412 | rVB  | 277307  | 412473  | 13.28% | 0.789% |
| 88  | 18.300 | 2516 | 2521 | 2525 | rBV2 | 177194  | 237861  | 7.66%  | 0.455% |
| 89  | 18.477 | 2547 | 2551 | 2558 | rBV4 | 67969   | 131576  | 4.24%  | 0.252% |
| 90  | 18.629 | 2572 | 2577 | 2582 | rBV3 | 188892  | 293403  | 9.45%  | 0.561% |
| 91  | 18.817 | 2603 | 2609 | 2615 | rVB3 | 136886  | 253942  | 8.18%  | 0.486% |
| 92  | 18.958 | 2629 | 2633 | 2637 | rVB3 | 150900  | 241243  | 7.77%  | 0.462% |
| 93  | 19.346 | 2694 | 2699 | 2706 | rBV  | 239555  | 444607  | 14.32% | 0.851% |
| 94  | 19.505 | 2722 | 2726 | 2730 | rVB  | 90068   | 119587  | 3.85%  | 0.229% |
| 95  | 19.669 | 2749 | 2754 | 2759 | rBV  | 162049  | 245600  | 7.91%  | 0.470% |
| 96  | 20.033 | 2812 | 2816 | 2824 | rVB  | 108955  | 184524  | 5.94%  | 0.353% |
| 97  | 20.180 | 2836 | 2841 | 2843 | rBV  | 156750  | 208797  | 6.72%  | 0.400% |
| 98  | 20.215 | 2843 | 2847 | 2853 | rVB  | 1140234 | 1452285 | 46.76% | 2.779% |
| 99  | 21.937 | 3133 | 3140 | 3147 | rBV2 | 284199  | 511373  | 16.47% | 0.979% |
| 100 | 25.408 | 3721 | 3731 | 3742 | rVB  | 162511  | 507003  | 16.33% | 0.970% |

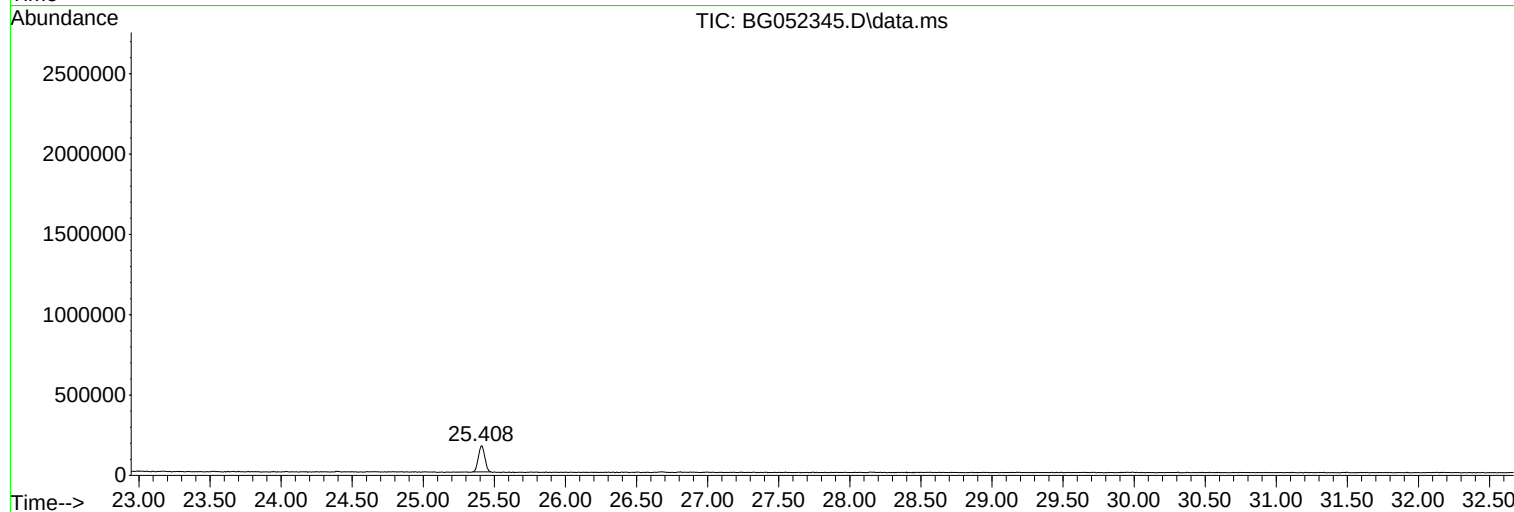
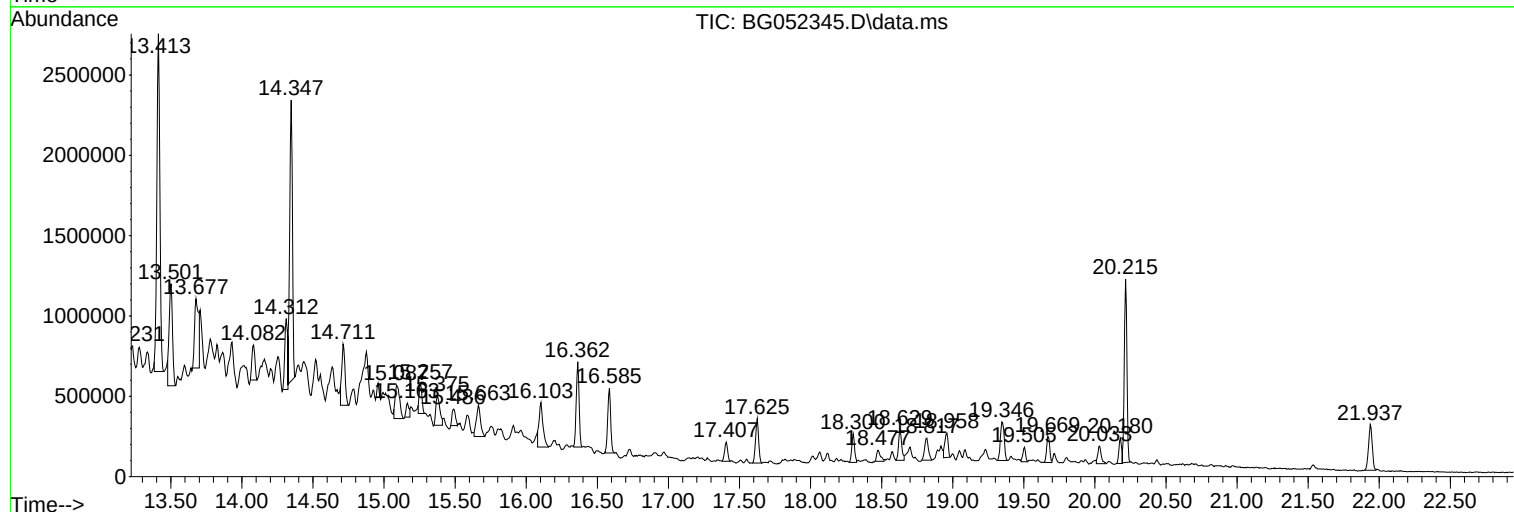
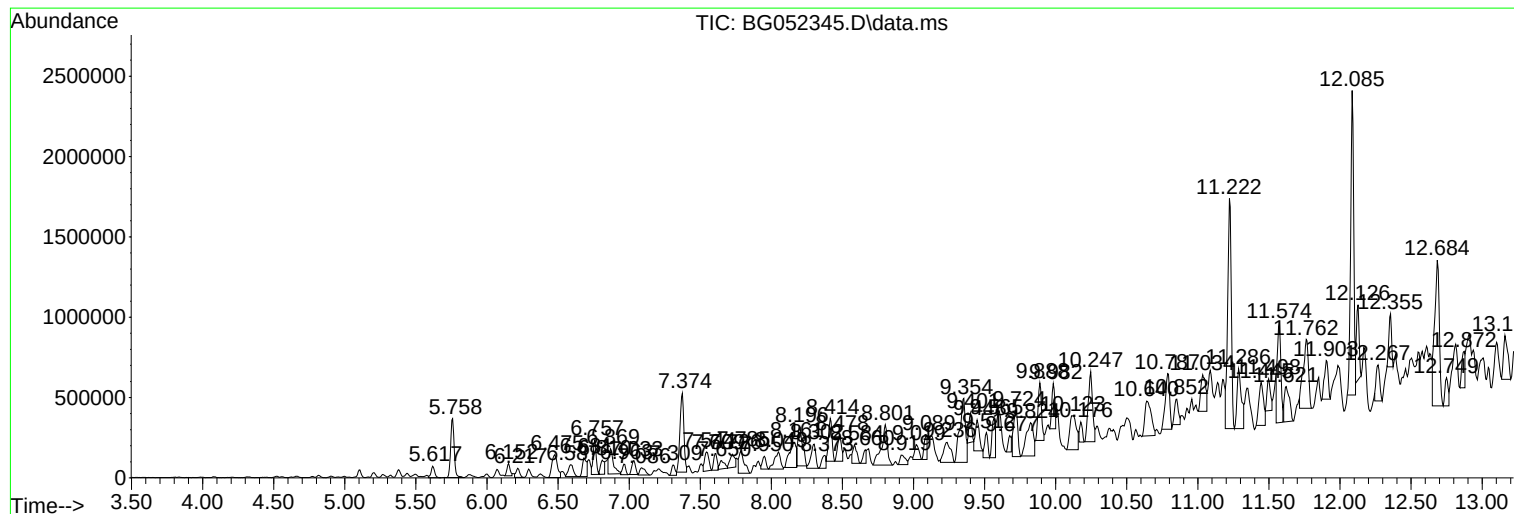
Sum of corrected areas: 52259868

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DB-10(13-15)-02-04-22

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG020722.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG020922\  
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ALS Vial : 17 Sample Multiplier: 1

Instrument :  
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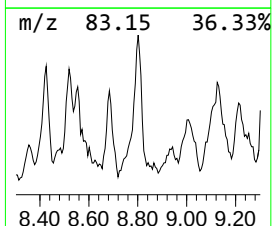
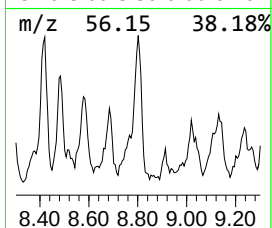
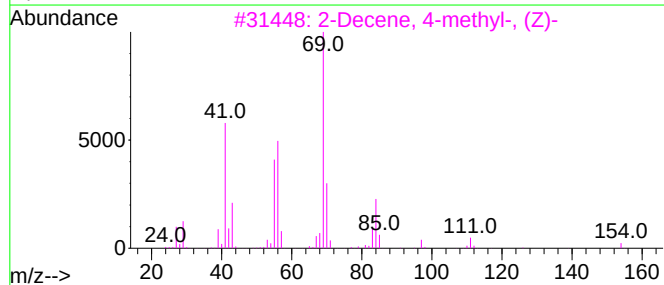
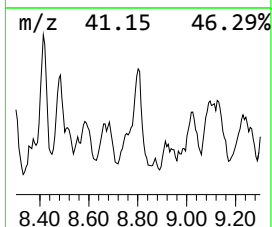
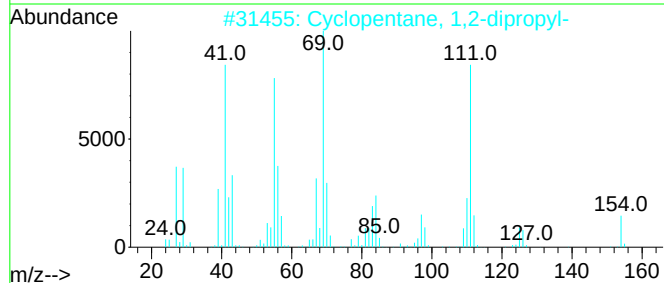
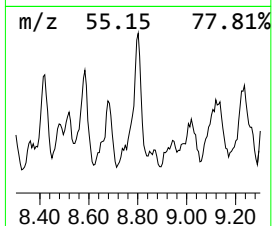
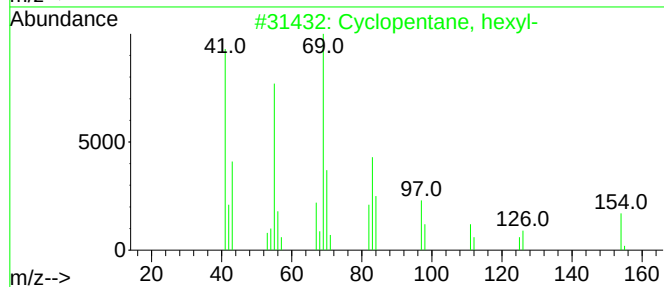
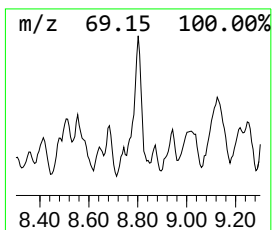
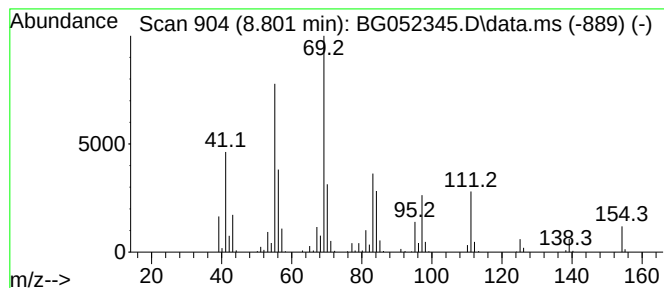
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG020722.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 Cyclopentane, hexyl- Concentration Rank 12

| R.T.  | EstConc  | Area   | Relative to ISTD       | R.T.  |
|-------|----------|--------|------------------------|-------|
| 8.801 | 26.87 ng | 744661 | 1,4-Dichlorobenzene-d4 | 8.226 |

| Hit# | of | 5 | Tentative ID                         | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclopentane, hexyl-                 | 154 | C11H22  | 004457-00-5 | 68   |
| 2    |    |   | Cyclopentane, 1,2-dipropyl-          | 154 | C11H22  | 091242-57-8 | 64   |
| 3    |    |   | 2-Decene, 4-methyl-, (Z)-            | 154 | C11H22  | 074630-30-1 | 58   |
| 4    |    |   | 4-Octene, 2,3,7-trimethyl-, [S-(...] | 154 | C11H22  | 052763-13-0 | 58   |
| 5    |    |   | Nonane, 2-methyl-3-methylene-        | 154 | C11H22  | 055499-08-6 | 58   |



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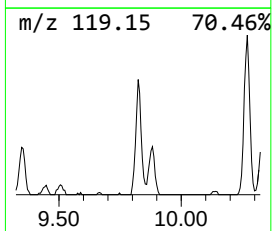
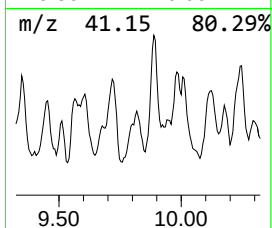
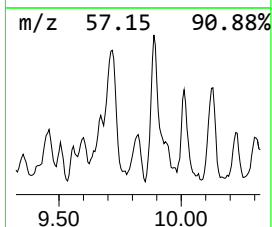
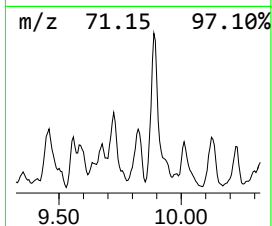
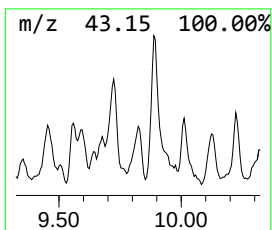
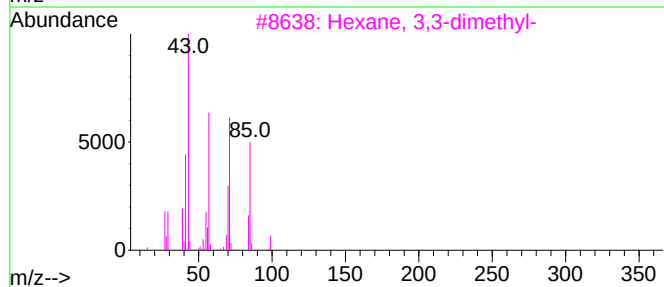
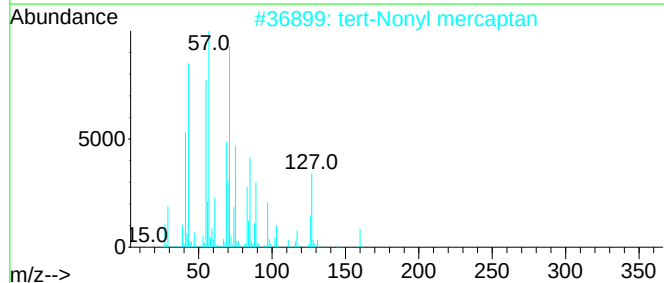
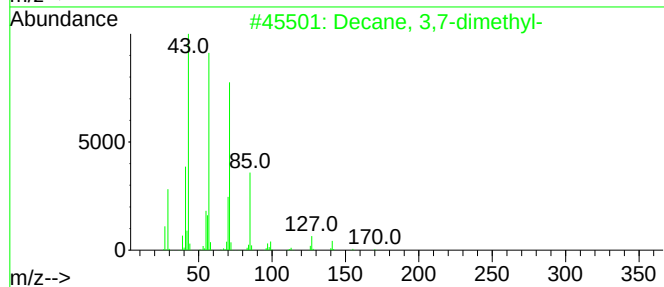
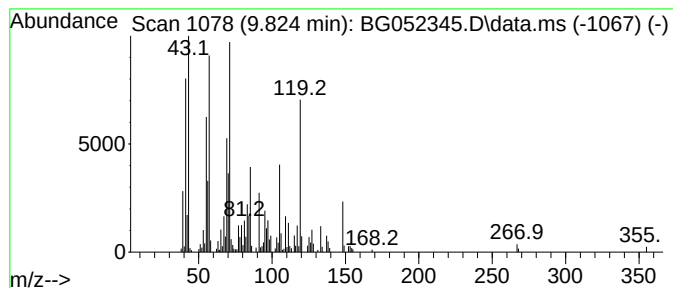
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 unknown9.824 Concentration Rank 13

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.   |
|-------|----------|--------|------------------|--------|
| 9.824 | 26.51 ng | 730724 | Naphthalene-d8   | 11.069 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Decane, 3,7-dimethyl-               | 170 | C12H26   | 017312-54-8  | 38   |
| 2    |    |   | tert-Nonyl mercaptan                | 160 | C9H20S   | 025360-10-5  | 38   |
| 3    |    |   | Hexane, 3,3-dimethyl-               | 114 | C8H18    | 000563-16-6  | 38   |
| 4    |    |   | 3-Ethyl-3-methylheptane             | 142 | C10H22   | 017302-01-1  | 35   |
| 5    |    |   | 3-Methyl-2-(4-methylphenyl)morph... | 191 | C12H17NO | 1000466-83-3 | 27   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG020922\  
Data File : BG052345.D  
Acq On : 9 Feb 2022 21:33  
Operator : CG/JU  
Sample : N1424-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

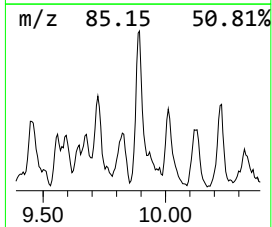
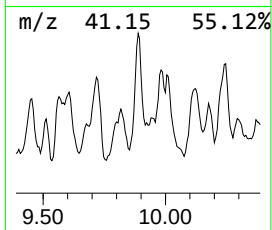
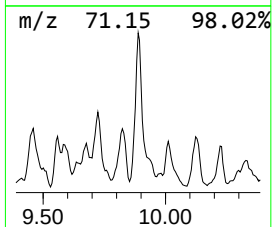
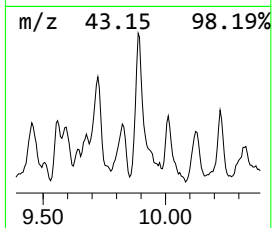
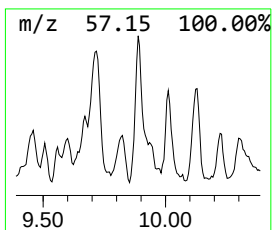
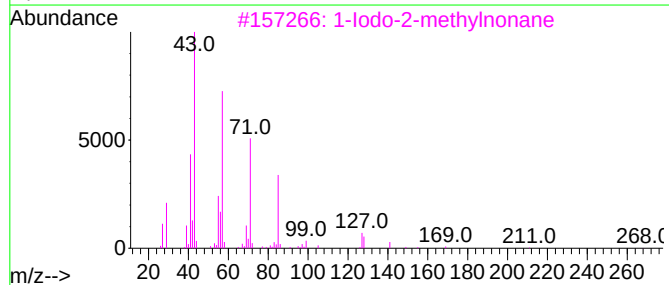
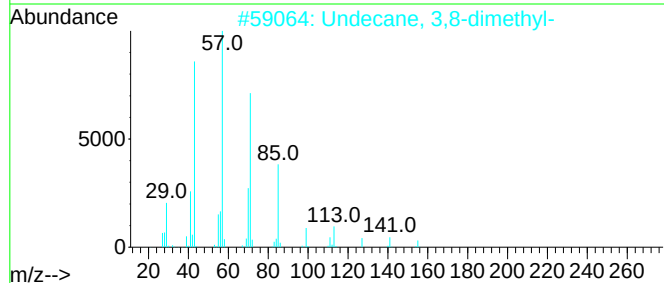
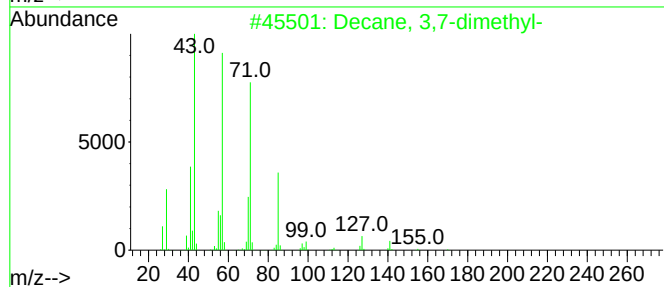
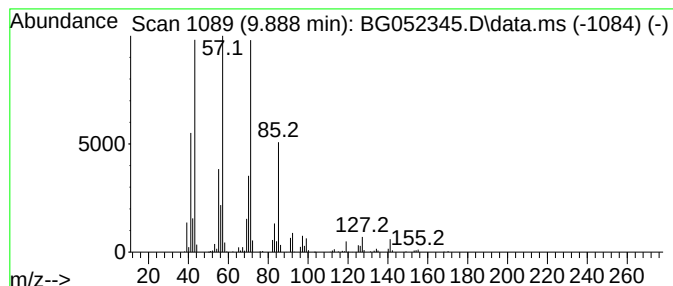
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ClientSampleId :  
DB-10(13-15)-02-04-22

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG020722.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Decane, 3,7-dimethyl- Concentration Rank 18

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|--------|------------------|--------------|------|
| 9.888     | 22.11 ng                            | 609345 | Naphthalene-d8   | 11.069       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#         | Qual |
| 1         | Decane, 3,7-dimethyl-               | 170    | C12H26           | 017312-54-8  | 97   |
| 2         | Undecane, 3,8-dimethyl-             | 184    | C13H28           | 017301-30-3  | 78   |
| 3         | 1-Iodo-2-methylnonane               | 268    | C10H21I          | 1000101-47-9 | 72   |
| 4         | Sulfurous acid, decyl pentyl ester  | 292    | C15H32O3S        | 1000309-14-3 | 59   |
| 5         | Sulfurous acid, 2-ethylhexyl hep... | 432    | C25H52O3S        | 1000309-20-0 | 53   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG020922\  
Data File : BG052345.D  
Acq On : 9 Feb 2022 21:33  
Operator : CG/JU  
Sample : N1424-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
DB-10(13-15)-02-04-22

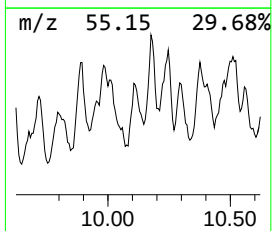
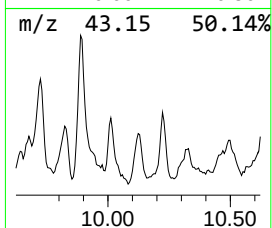
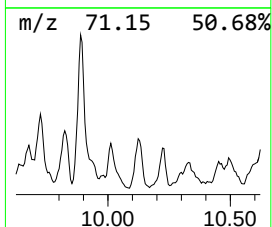
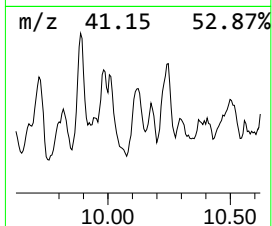
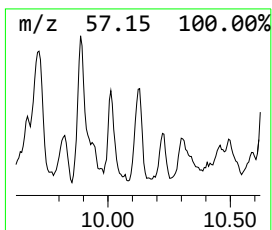
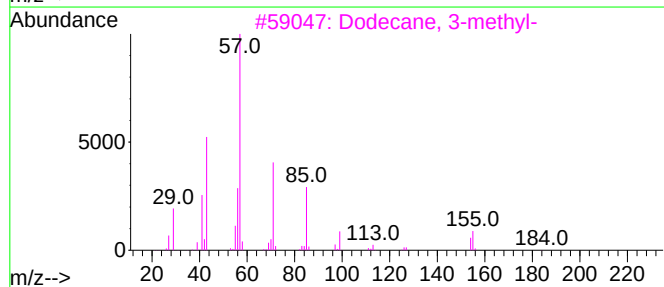
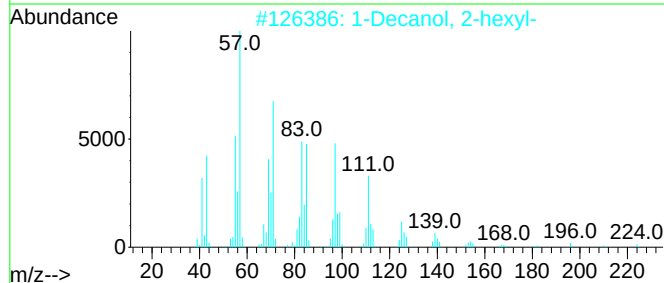
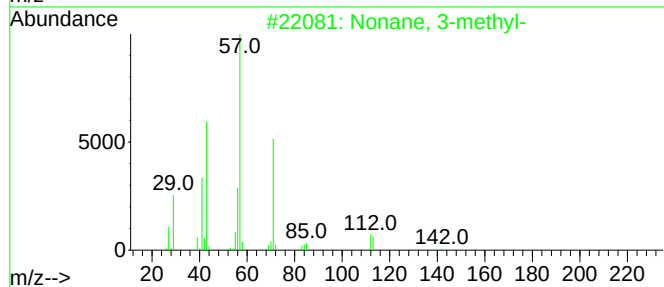
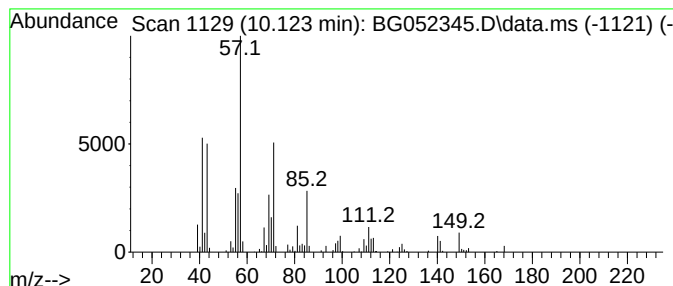
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Nonane, 3-methyl- Concentration Rank 15

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.   |
|--------|----------|--------|------------------|--------|
| 10.123 | 25.56 ng | 704497 | Naphthalene-d8   | 11.069 |

| Hit# | of | 5 | Tentative ID                      | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-----------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Nonane, 3-methyl-                 | 142 | C10H22    | 005911-04-6  | 60   |
| 2    |    |   | 1-Decanol, 2-hexyl-               | 242 | C16H34O   | 002425-77-6  | 53   |
| 3    |    |   | Dodecane, 3-methyl-               | 184 | C13H28    | 017312-57-1  | 53   |
| 4    |    |   | Sulfurous acid, butyl nonyl ester | 264 | C13H28O3S | 1000309-17-6 | 50   |
| 5    |    |   | 2,6-Dimethyldecane                | 170 | C12H26    | 013150-81-7  | 50   |





Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG020922\  
Data File : BG052345.D  
Acq On : 9 Feb 2022 21:33  
Operator : CG/JU  
Sample : N1424-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
DB-10(13-15)-02-04-22

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

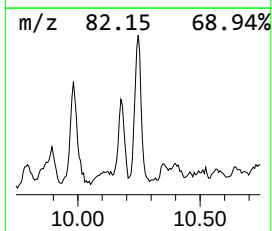
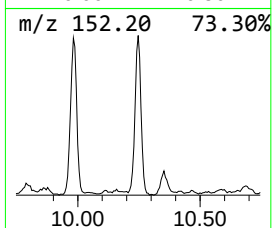
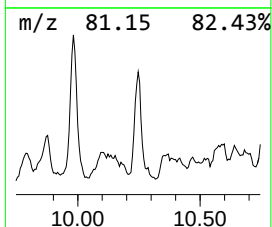
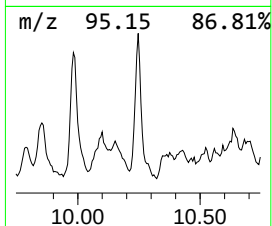
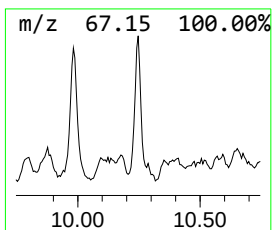
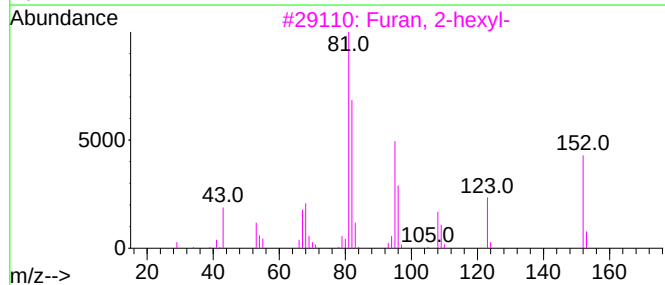
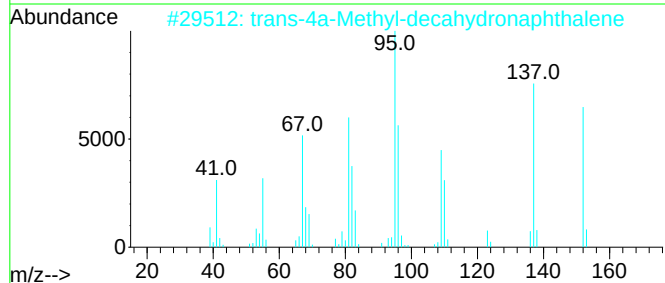
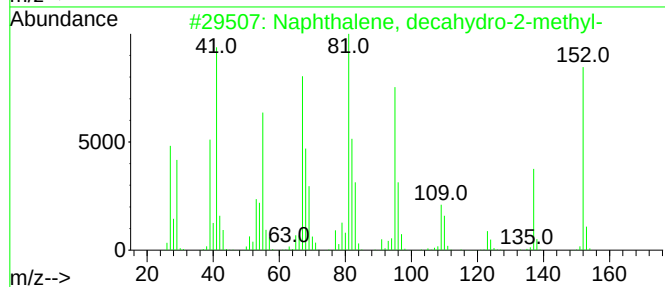
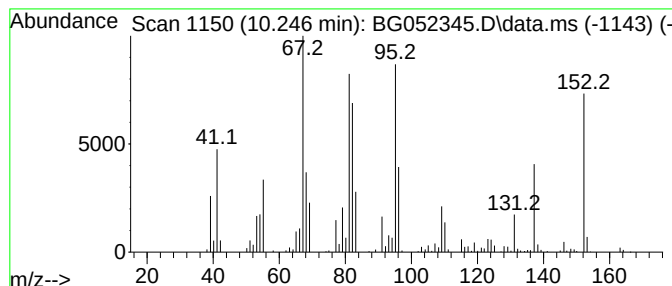
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TIC Integration Parameters: LSCINT.P

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Peak Number 5 Naphthalene, decahydro-2-me... Concentration Rank 8

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.   |
|--------|----------|--------|------------------|--------|
| 10.246 | 33.41 ng | 920670 | Naphthalene-d8   | 11.069 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, decahydro-2-methyl-    | 152 | C11H20  | 002958-76-1 | 94   |
| 2    |    |   | trans-4a-Methyl-decahydronaphtha... | 152 | C11H20  | 002547-27-5 | 81   |
| 3    |    |   | Furan, 2-hexyl-                     | 152 | C10H16O | 003777-70-6 | 58   |
| 4    |    |   | 1-Adamantanol                       | 152 | C10H16O | 000768-95-6 | 50   |
| 5    |    |   | 4,5-Nonadiene, 2-methyl-            | 138 | C10H18  | 055956-32-6 | 49   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG020922\  
Data File : BG052345.D  
Acq On : 9 Feb 2022 21:33  
Operator : CG/JU  
Sample : N1424-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
DB-10(13-15)-02-04-22

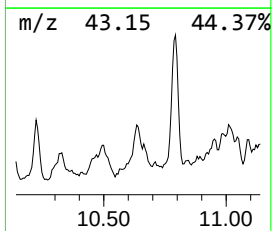
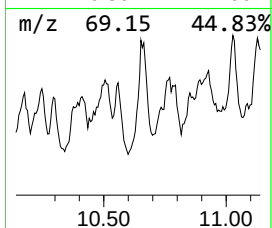
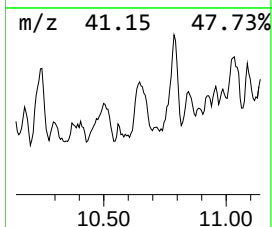
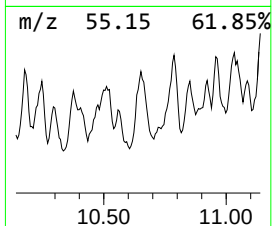
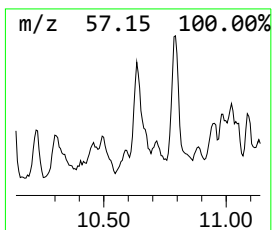
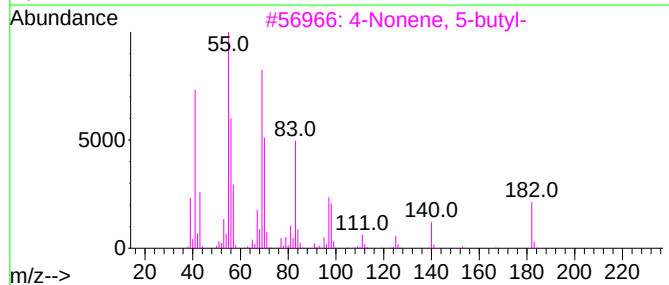
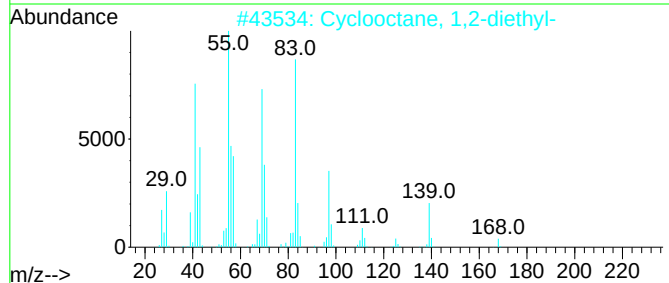
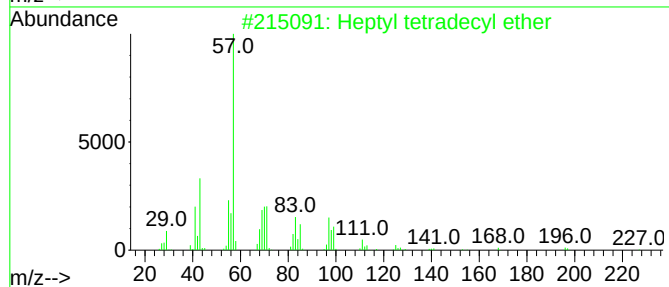
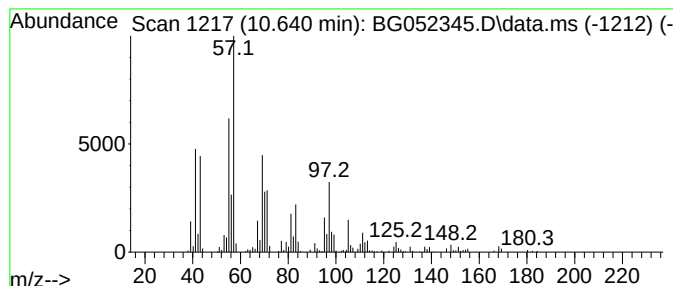
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Heptyl tetradecyl ether Concentration Rank 16

| R.T.      | EstConc                     | Area   | Relative to ISTD | R.T.         |      |
|-----------|-----------------------------|--------|------------------|--------------|------|
| 10.640    | 24.59 ng                    | 677655 | Naphthalene-d8   | 11.069       |      |
| Hit# of 5 | Tentative ID                | MW     | MolForm          | CAS#         | Qual |
| 1         | Heptyl tetradecyl ether     | 312    | C21H44O          | 1000406-39-3 | 59   |
| 2         | Cyclooctane, 1,2-diethyl-   | 168    | C12H24           | 023609-46-3  | 43   |
| 3         | 4-Nonene, 5-butyl-          | 182    | C13H26           | 007367-38-6  | 43   |
| 4         | Octane, 2,5-dimethyl-       | 142    | C10H22           | 015869-89-3  | 35   |
| 5         | 3-Undecene, 6-methyl-, (E)- | 168    | C12H24           | 074630-52-7  | 30   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG020922\  
Data File : BG052345.D  
Acq On : 9 Feb 2022 21:33  
Operator : CG/JU  
Sample : N1424-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
DB-10(13-15)-02-04-22

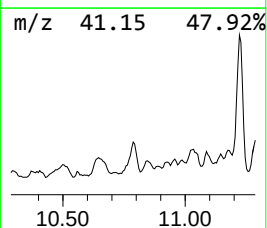
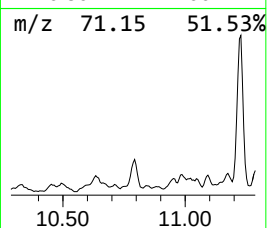
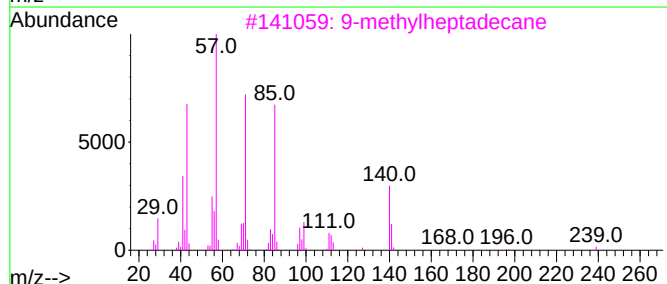
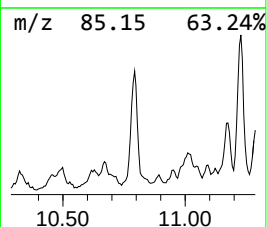
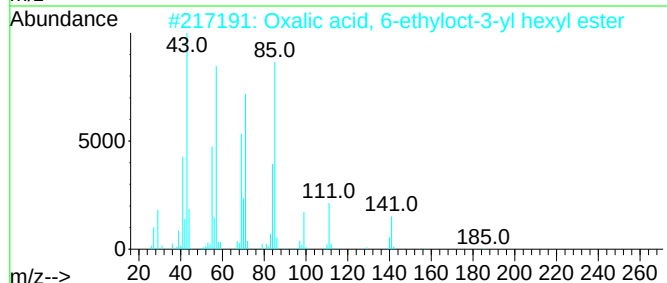
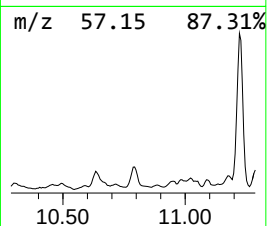
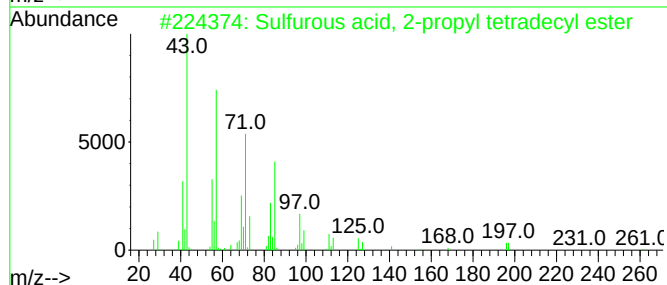
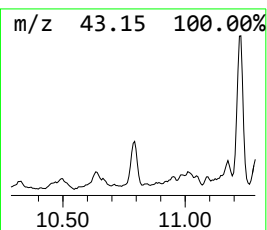
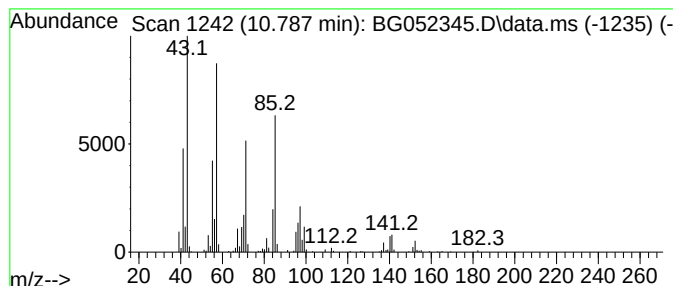
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Sulfurous acid, 2-propyl te... Concentration Rank 14

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.   |
|--------|----------|--------|------------------|--------|
| 10.787 | 26.35 ng | 726248 | Naphthalene-d8   | 11.069 |

| Hit# | of | 5 | Tentative ID                              | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Sulfurous acid, 2-propyl tetradecyl ester | 320 | C17H36O3S | 1010309-12-5 | 59   |
| 2    |    |   | Oxalic acid, 6-ethyloct-3-yl hexyl ester  | 314 | C18H34O4  | 1000309-34-4 | 58   |
| 3    |    |   | 9-methylheptadecane                       | 254 | C18H38    | 026741-18-4  | 53   |
| 4    |    |   | Octane, 2,4,6-trimethyl-                  | 156 | C11H24    | 062016-37-9  | 52   |
| 5    |    |   | Decane, 1-iodo-                           | 268 | C10H21I   | 002050-77-3  | 47   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG020922\  
Data File : BG052345.D  
Acq On : 9 Feb 2022 21:33  
Operator : CG/JU  
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ALS Vial : 17 Sample Multiplier: 1

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ClientSampleId :  
DB-10(13-15)-02-04-22

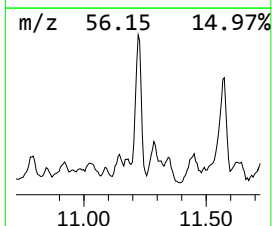
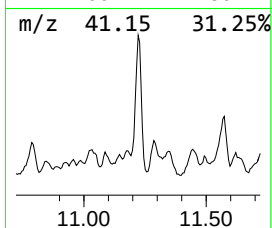
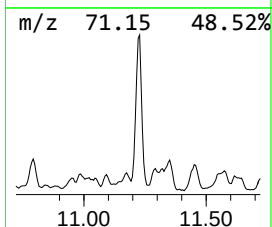
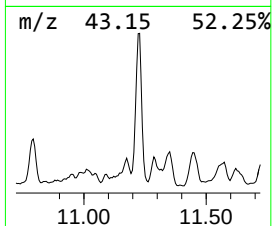
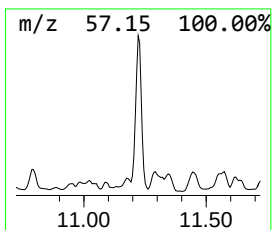
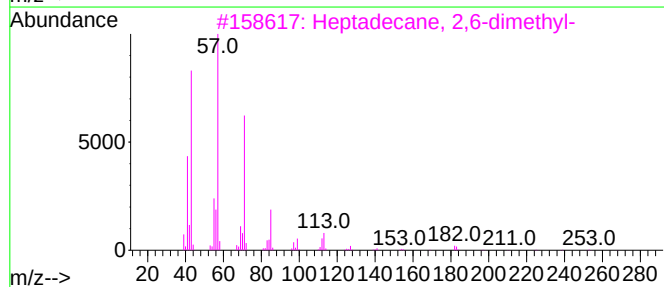
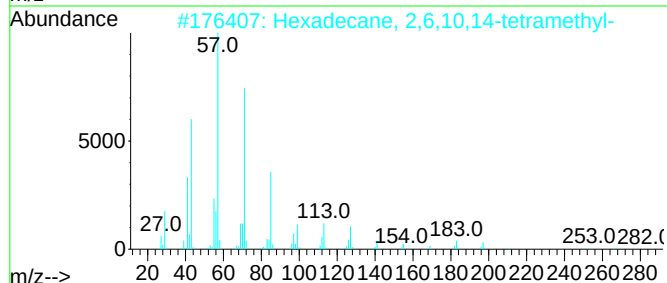
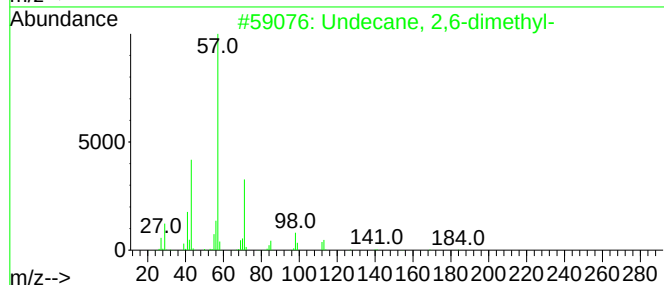
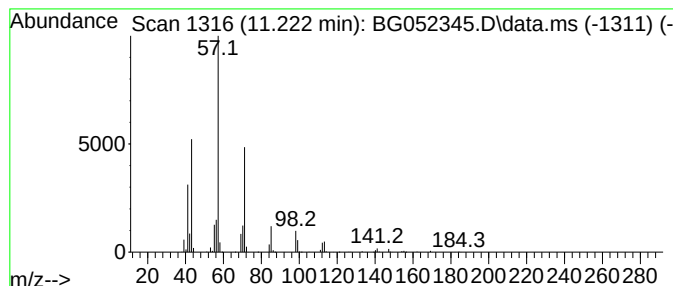
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 Undecane, 2,6-dimethyl- Concentration Rank 3

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 11.222 | 90.75 ng | 2501020 | Naphthalene-d8   | 11.069 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Undecane, 2,6-dimethyl-            | 184 | C13H28  | 017301-23-4 | 90   |
| 2    |    |   | Hexadecane, 2,6,10,14-tetramethyl- | 282 | C20H42  | 000638-36-8 | 64   |
| 3    |    |   | Heptadecane, 2,6-dimethyl-         | 268 | C19H40  | 054105-67-8 | 64   |
| 4    |    |   | Dodecane, 2,6,11-trimethyl-        | 212 | C15H32  | 031295-56-4 | 59   |
| 5    |    |   | Octane, 2,2,6-trimethyl-           | 156 | C11H24  | 062016-28-8 | 50   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG020922\  
Data File : BG052345.D  
Acq On : 9 Feb 2022 21:33  
Operator : CG/JU  
Sample : N1424-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
DB-10(13-15)-02-04-22

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG020722.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

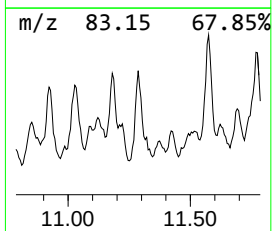
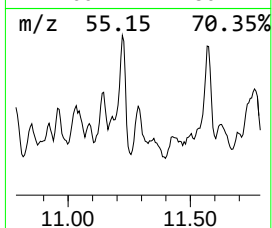
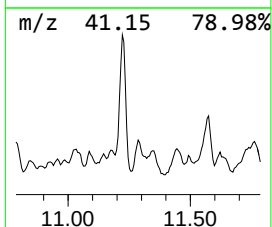
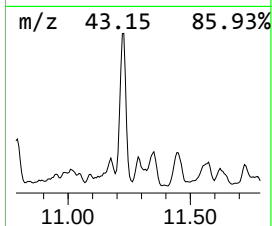
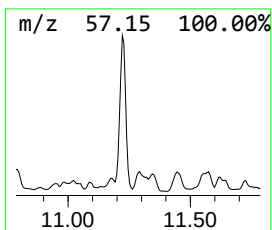
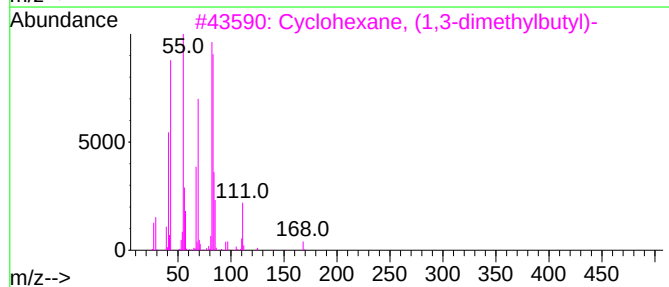
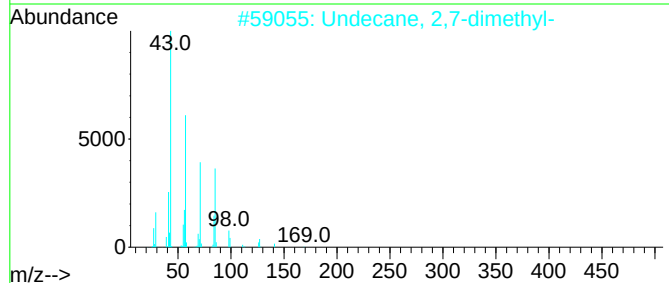
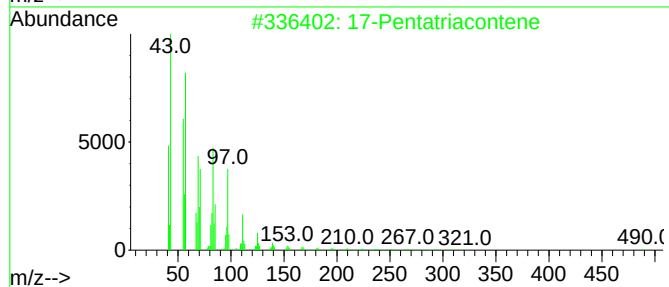
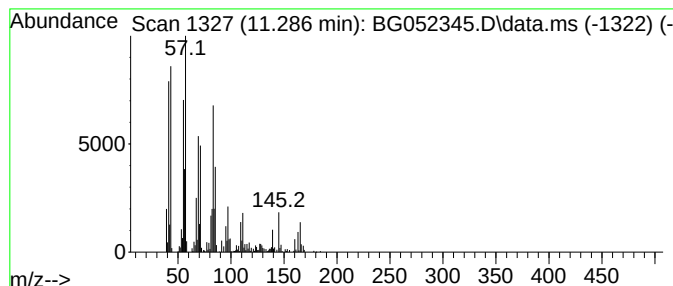
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 17-Pentatriacontene Concentration Rank 10

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.   |
|--------|----------|--------|------------------|--------|
| 11.286 | 29.33 ng | 808443 | Naphthalene-d8   | 11.069 |

| Hit# | of 5 | Tentative ID                      | MW  | MolForm | CAS#        | Qual |
|------|------|-----------------------------------|-----|---------|-------------|------|
| 1    |      | 17-Pentatriacontene               | 491 | C35H70  | 006971-40-0 | 52   |
| 2    |      | Undecane, 2,7-dimethyl-           | 184 | C13H28  | 017301-24-5 | 35   |
| 3    |      | Cyclohexane, (1,3-dimethylbutyl)- | 168 | C12H24  | 061142-19-6 | 30   |
| 4    |      | Tridecane                         | 184 | C13H28  | 000629-50-5 | 27   |
| 5    |      | Nonadecane                        | 268 | C19H40  | 000629-92-5 | 27   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG020922\  
Data File : BG052345.D  
Acq On : 9 Feb 2022 21:33  
Operator : CG/JU  
Sample : N1424-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
DB-10(13-15)-02-04-22

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG020722.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

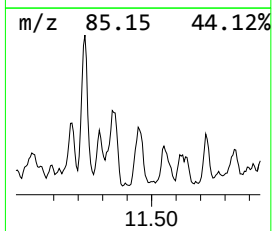
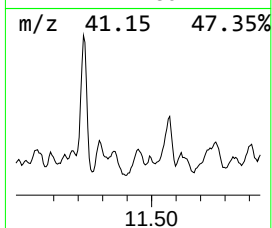
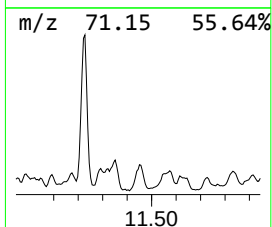
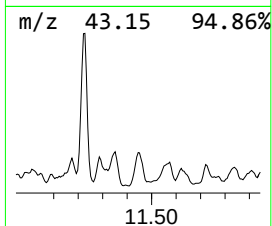
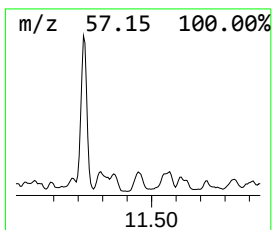
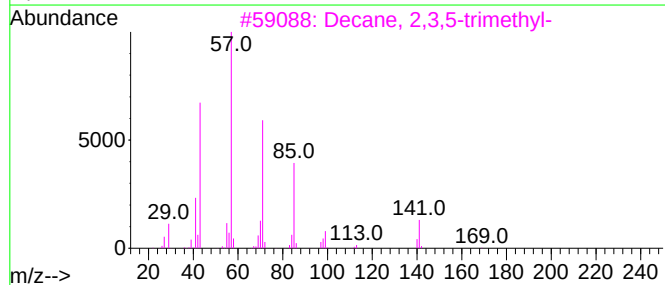
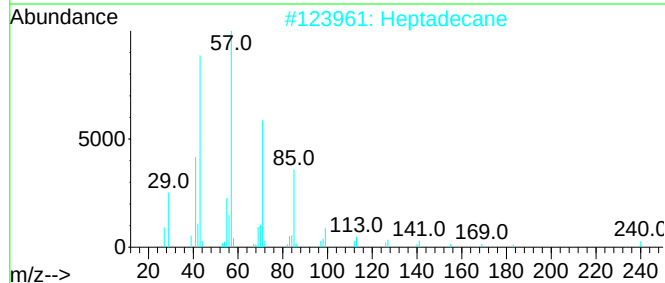
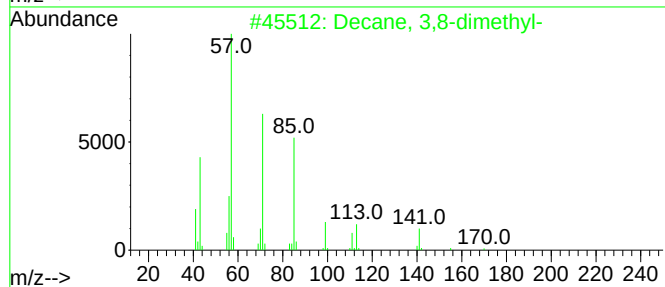
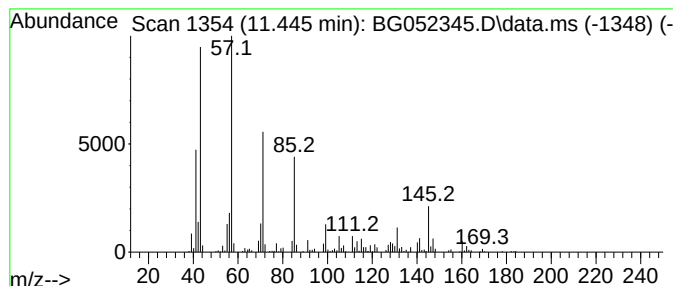
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TIC Integration Parameters: LSCINT.P

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Peak Number 10 Decane, 3,8-dimethyl- Concentration Rank 17

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.   |
|--------|----------|--------|------------------|--------|
| 11.445 | 22.47 ng | 619247 | Naphthalene-d8   | 11.069 |

| Hit# | of 5 | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|------|--------------------------|-----|---------|-------------|------|
| 1    |      | Decane, 3,8-dimethyl-    | 170 | C12H26  | 017312-55-9 | 70   |
| 2    |      | Heptadecane              | 240 | C17H36  | 000629-78-7 | 58   |
| 3    |      | Decane, 2,3,5-trimethyl- | 184 | C13H28  | 062238-11-3 | 58   |
| 4    |      | Pentadecane              | 212 | C15H32  | 000629-62-9 | 58   |
| 5    |      | 1-Iodoundecane           | 282 | C11H23I | 004282-44-4 | 52   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG020922\  
Data File : BG052345.D  
Acq On : 9 Feb 2022 21:33  
Operator : CG/JU  
Sample : N1424-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

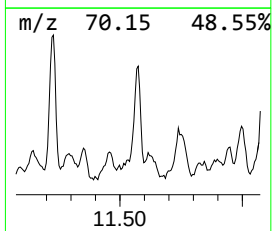
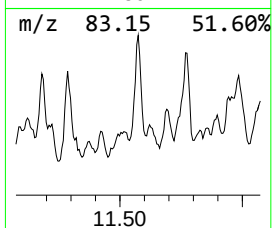
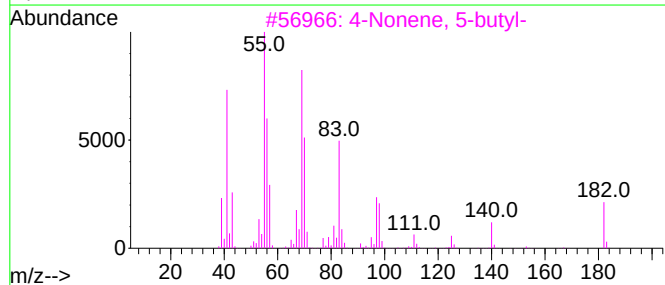
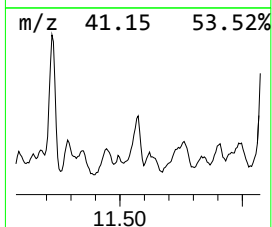
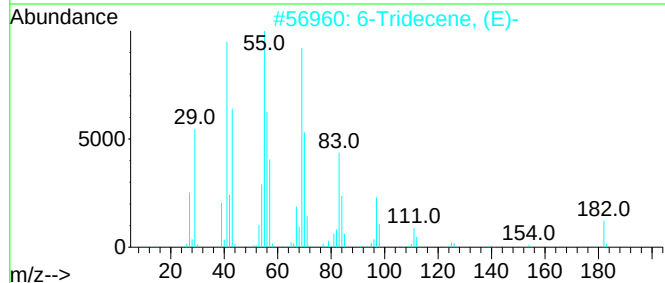
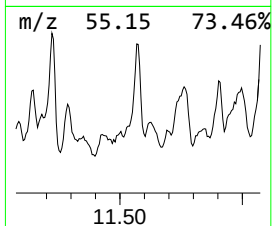
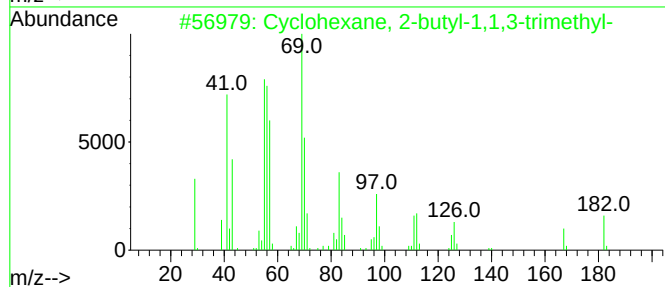
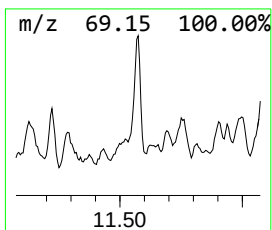
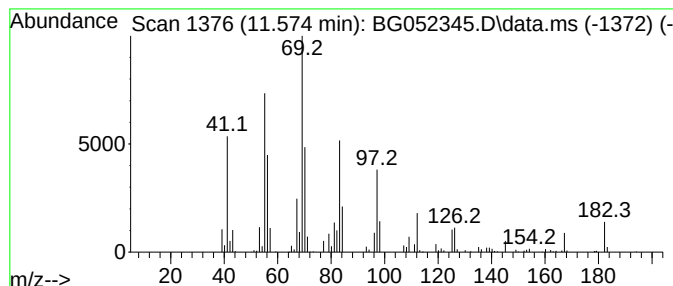
Instrument :  
BNA\_G  
ClientSampleId :  
DB-10(13-15)-02-04-22

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG020722.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 11 Cyclohexane, 2-butyl-1,1,3-... Concentration Rank 7

| R.T.      | EstConc                             | Area    | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|---------|------------------|-------------|------|
| 11.574    | 39.78 ng                            | 1096400 | Naphthalene-d8   | 11.069      |      |
| Hit# of 5 | Tentative ID                        | MW      | MolForm          | CAS#        | Qual |
| 1         | Cyclohexane, 2-butyl-1,1,3-trime... | 182     | C13H26           | 054676-39-0 | 90   |
| 2         | 6-Tridecene, (E)-                   | 182     | C13H26           | 006434-76-0 | 83   |
| 3         | 4-Nonene, 5-butyl-                  | 182     | C13H26           | 007367-38-6 | 72   |
| 4         | 6-Tridecene                         | 182     | C13H26           | 024949-38-0 | 70   |
| 5         | 6-Dodecene, (E)-                    | 168     | C12H24           | 007206-17-9 | 64   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG020922\  
Data File : BG052345.D  
Acq On : 9 Feb 2022 21:33  
Operator : CG/JU  
Sample : N1424-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
DB-10(13-15)-02-04-22

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG020722.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

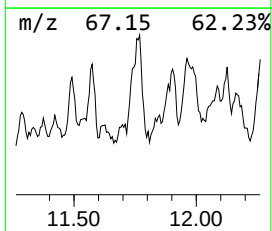
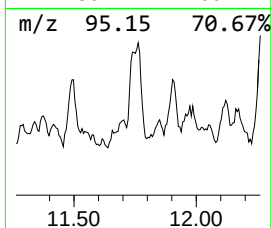
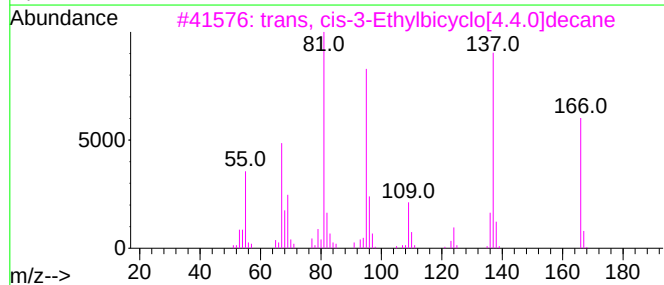
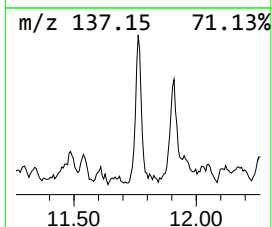
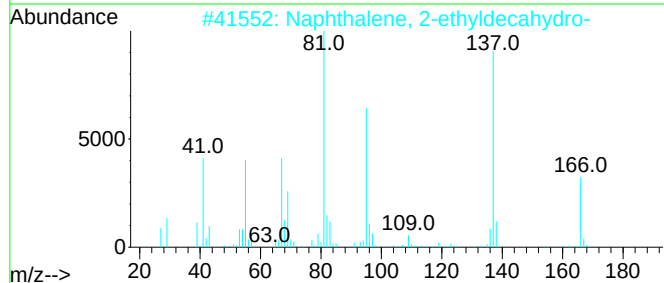
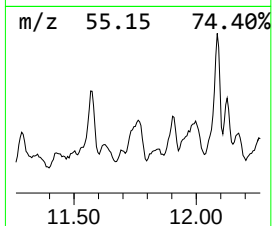
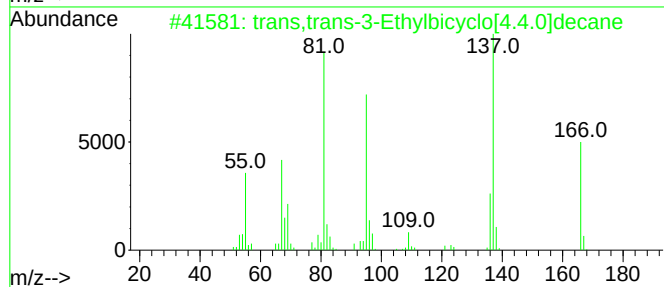
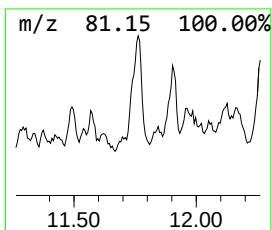
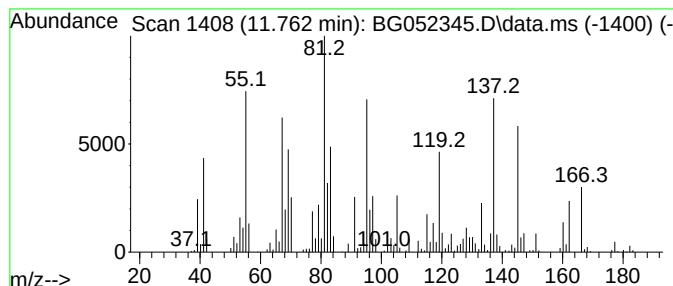
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 12 trans,trans-3-Ethylbicyclo[... Concentration Rank 6

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 11.762 | 41.25 ng | 1136700 | Naphthalene-d8   | 11.069 |

| Hit# | of 5 | Tentative ID                           | MW  | MolForm | CAS#        | Qual |
|------|------|----------------------------------------|-----|---------|-------------|------|
| 1    |      | trans,trans-3-Ethylbicyclo[4.4.0]de... | 166 | C12H22  | 058462-32-1 | 55   |
| 2    |      | Naphthalene, 2-ethyldecahydro-         | 166 | C12H22  | 001618-23-1 | 55   |
| 3    |      | trans, cis-3-Ethylbicyclo[4.4.0]de...  | 166 | C12H22  | 066660-43-3 | 53   |
| 4    |      | cis, cis-3-Ethylbicyclo[4.4.0]de...    | 166 | C12H22  | 066660-42-2 | 53   |
| 5    |      | cis,trans-3-Ethylbicyclo[4.4.0]d...    | 166 | C12H22  | 066660-41-1 | 49   |





Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG020922\  
Data File : BG052345.D  
Acq On : 9 Feb 2022 21:33  
Operator : CG/JU  
Sample : N1424-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
DB-10(13-15)-02-04-22

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG020722.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

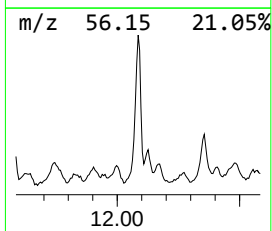
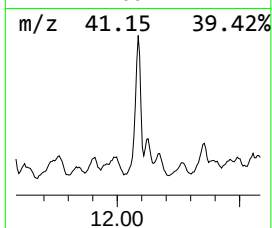
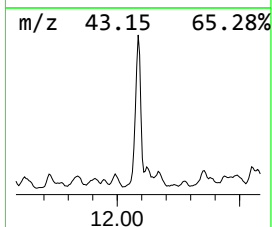
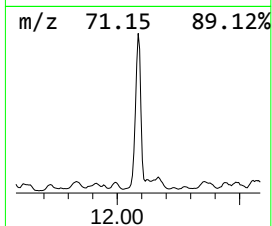
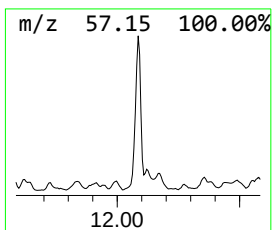
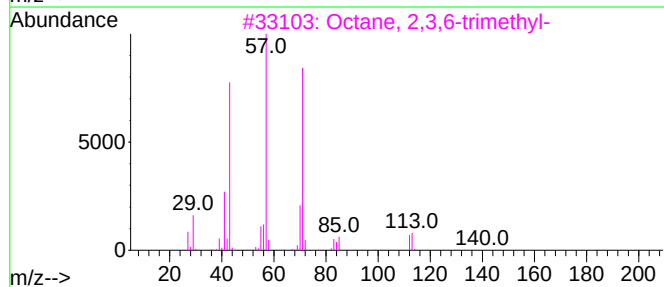
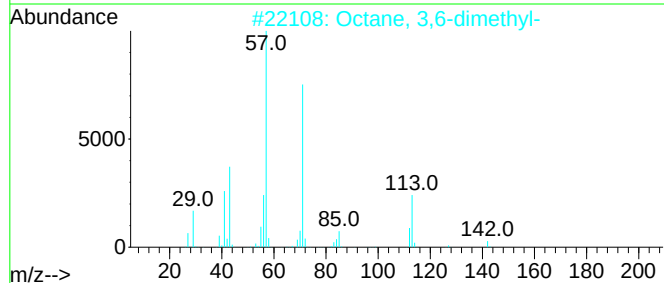
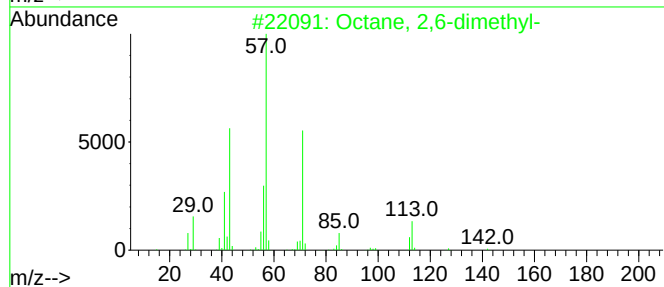
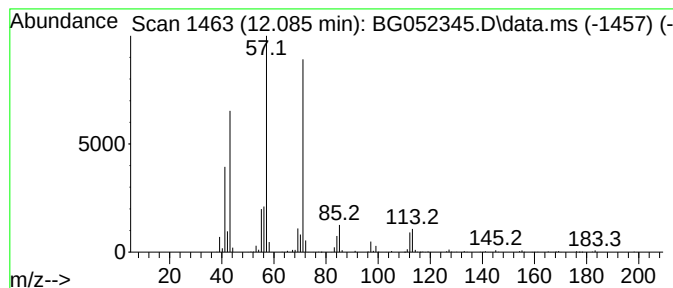
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 13 Octane, 2,6-dimethyl- Concentration Rank 2

| R.T.   | EstConc   | Area    | Relative to ISTD | R.T.   |
|--------|-----------|---------|------------------|--------|
| 12.085 | 104.52 ng | 2880530 | Naphthalene-d8   | 11.069 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|------|-------------------------------------|-----|----------|--------------|------|
| 1    |      | Octane, 2,6-dimethyl-               | 142 | C10H22   | 002051-30-1  | 90   |
| 2    |      | Octane, 3,6-dimethyl-               | 142 | C10H22   | 015869-94-0  | 83   |
| 3    |      | Octane, 2,3,6-trimethyl-            | 156 | C11H24   | 062016-33-5  | 78   |
| 4    |      | Oxalic acid, 2-ethylhexyl ethyl ... | 230 | C12H22O4 | 1000309-38-4 | 72   |
| 5    |      | Heptadecane, 2,6,10,14-tetramethyl- | 296 | C21H44   | 018344-37-1  | 72   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG020922\  
Data File : BG052345.D  
Acq On : 9 Feb 2022 21:33  
Operator : CG/JU  
Sample : N1424-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
DB-10(13-15)-02-04-22

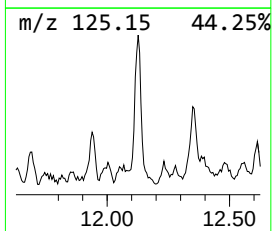
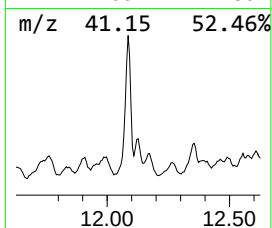
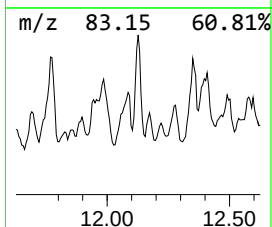
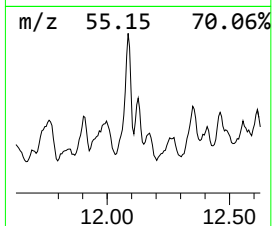
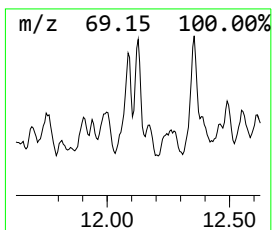
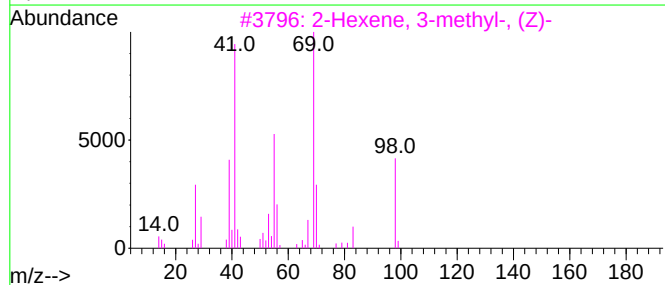
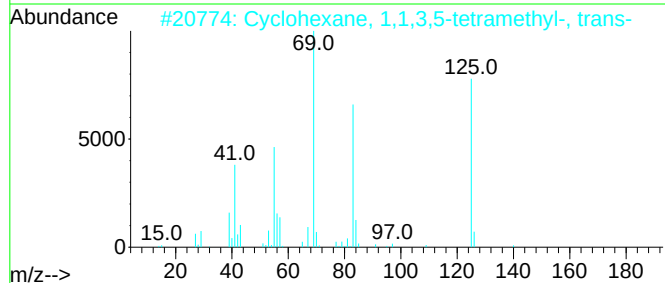
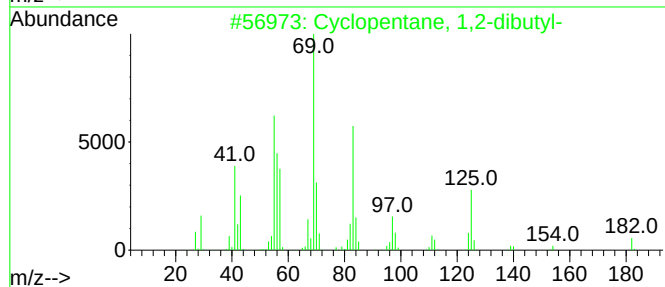
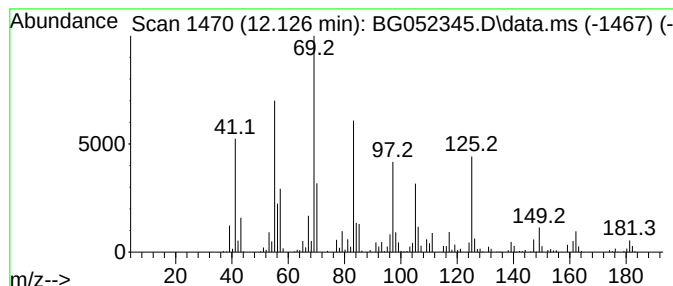
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 14 Cyclopentane, 1,2-dibutyl- Concentration Rank 19

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.   |
|--------|----------|--------|------------------|--------|
| 12.126 | 21.99 ng | 606095 | Naphthalene-d8   | 11.069 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|---------|--------------|------|
| 1    |    |   | Cyclopentane, 1,2-dibutyl-          | 182 | C13H26  | 062199-52-4  | 64   |
| 2    |    |   | Cyclohexane, 1,1,3,5-tetramethyl... | 140 | C10H20  | 050876-31-8  | 47   |
| 3    |    |   | 2-Hexene, 3-methyl-, (Z)-           | 98  | C7H14   | 010574-36-4  | 38   |
| 4    |    |   | 2-Ethyl-1-pyrroline                 | 97  | C6H11N  | 1000422-81-4 | 35   |
| 5    |    |   | 1-Pyrroline, 3-ethyl-               | 97  | C6H11N  | 1000073-06-0 | 35   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG020922\  
Data File : BG052345.D  
Acq On : 9 Feb 2022 21:33  
Operator : CG/JU  
Sample : N1424-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
DB-10(13-15)-02-04-22

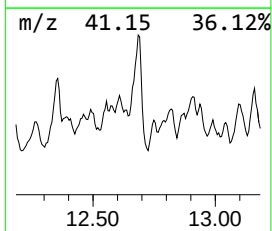
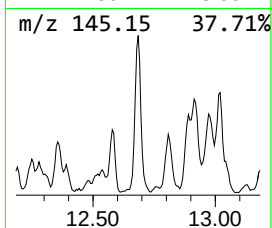
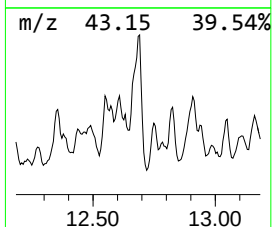
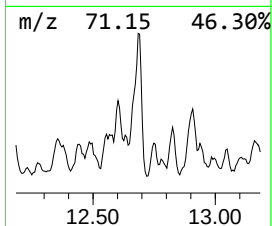
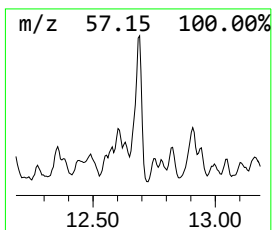
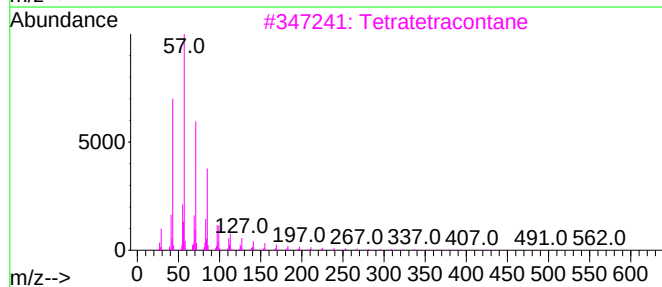
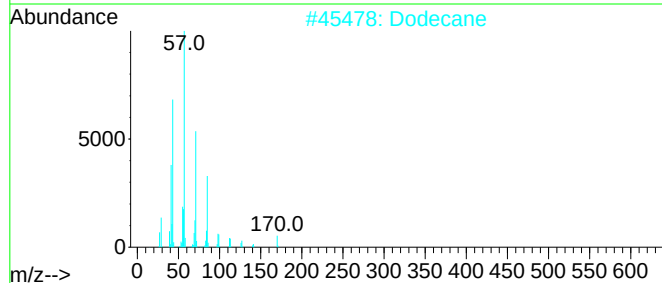
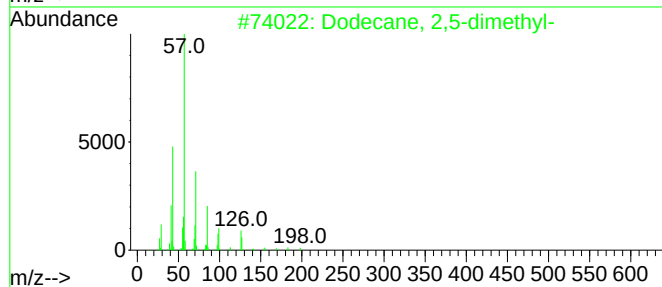
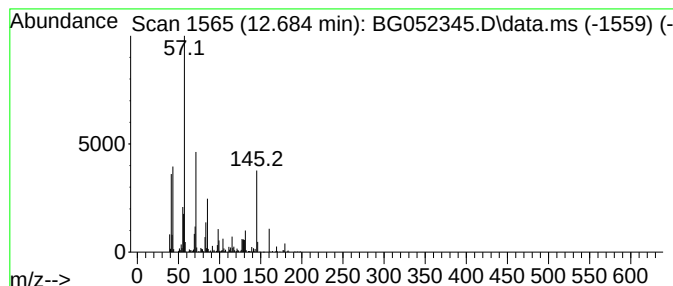
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 15 unknown12.684 Concentration Rank 5

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 12.684 | 74.29 ng | 2047300 | Naphthalene-d8   | 11.069 |

| Hit# | of 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|------|-------------------------|-----|---------|-------------|------|
| 1    |      | Dodecane, 2,5-dimethyl- | 198 | C14H30  | 056292-65-0 | 47   |
| 2    |      | Dodecane                | 170 | C12H26  | 000112-40-3 | 43   |
| 3    |      | Tetratetracontane       | 619 | C44H90  | 007098-22-8 | 43   |
| 4    |      | Decane, 3,8-dimethyl-   | 170 | C12H26  | 017312-55-9 | 43   |
| 5    |      | Hexadecane              | 226 | C16H34  | 000544-76-3 | 43   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG020922\  
Data File : BG052345.D  
Acq On : 9 Feb 2022 21:33  
Operator : CG/JU  
Sample : N1424-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
DB-10(13-15)-02-04-22

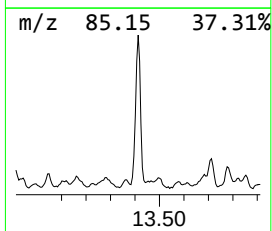
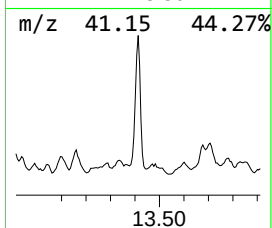
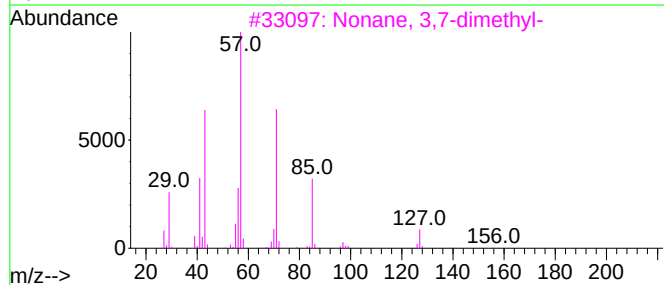
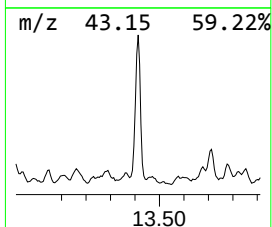
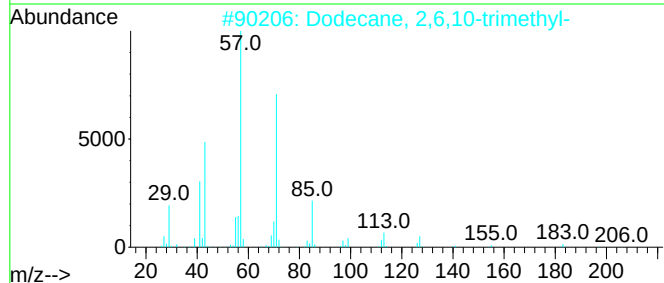
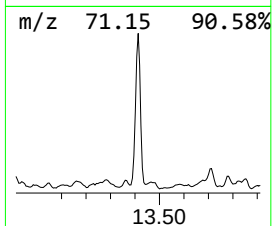
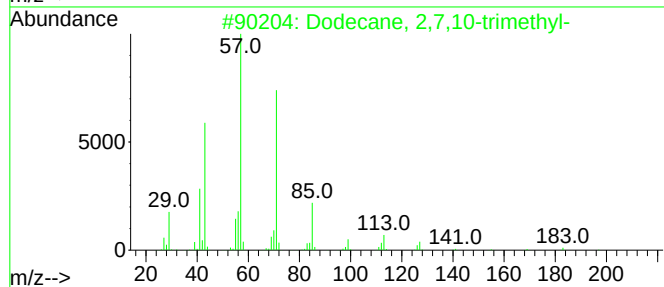
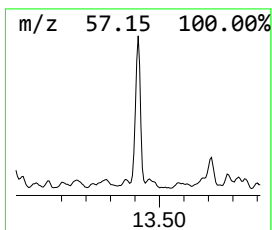
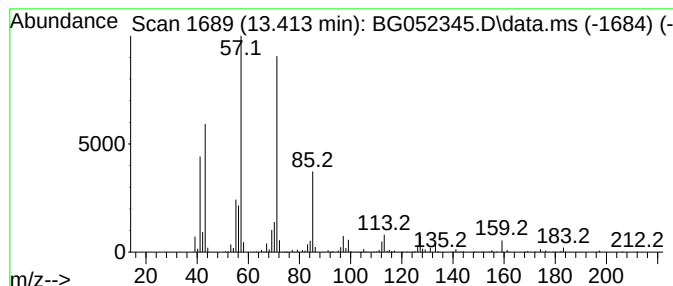
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 16 Dodecane, 2,7,10-trimethyl- Concentration Rank 1

| R.T.   | EstConc   | Area    | Relative to ISTD | R.T.   |
|--------|-----------|---------|------------------|--------|
| 13.413 | 105.27 ng | 3105500 | Acenaphthene-d10 | 14.881 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Dodecane, 2,7,10-trimethyl-         | 212 | C15H32    | 074645-98-0  | 90   |
| 2    |    |   | Dodecane, 2,6,10-trimethyl-         | 212 | C15H32    | 003891-98-3  | 72   |
| 3    |    |   | Nonane, 3,7-dimethyl-               | 156 | C11H24    | 017302-32-8  | 62   |
| 4    |    |   | Oxalic acid, bis(2-ethylhexyl) e... | 314 | C18H34O4  | 1000309-39-0 | 53   |
| 5    |    |   | Sulfurous acid, 2-ethylhexyl pen... | 264 | C13H28O3S | 1000309-18-9 | 53   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG020922\  
Data File : BG052345.D  
Acq On : 9 Feb 2022 21:33  
Operator : CG/JU  
Sample : N1424-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
DB-10(13-15)-02-04-22

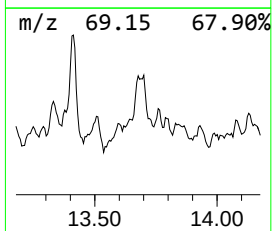
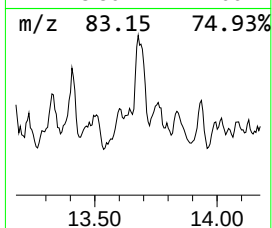
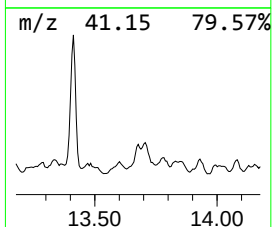
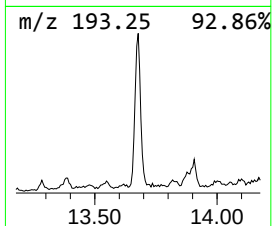
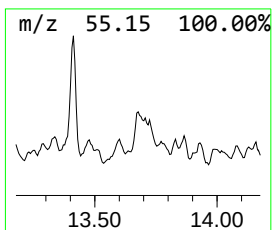
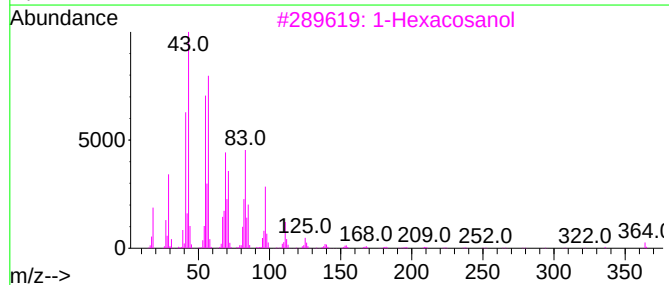
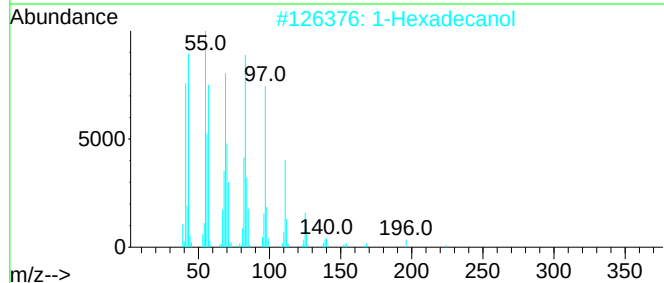
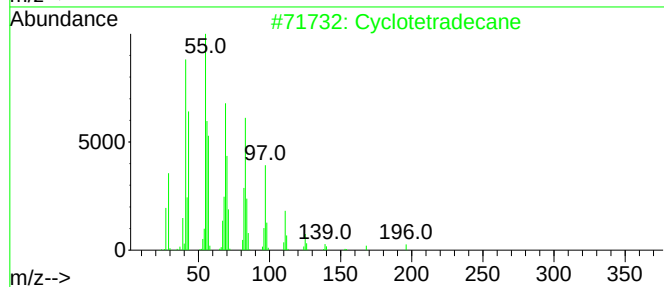
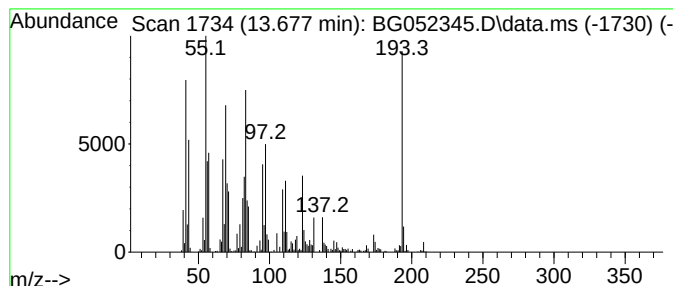
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 17 unknown13.677 Concentration Rank 9

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.   |
|--------|----------|--------|------------------|--------|
| 13.677 | 30.39 ng | 896698 | Acenaphthene-d10 | 14.881 |

| Hit# | of 5 | Tentative ID     | MW  | MolForm | CAS#        | Qual |
|------|------|------------------|-----|---------|-------------|------|
| 1    |      | Cyclotetradecane | 196 | C14H28  | 000295-17-0 | 38   |
| 2    |      | 1-Hexadecanol    | 242 | C16H34O | 036653-82-4 | 38   |
| 3    |      | 1-Hexacosanol    | 382 | C26H54O | 000506-52-5 | 35   |
| 4    |      | n-Heptadecanol-1 | 256 | C17H36O | 001454-85-9 | 35   |
| 5    |      | 11-Tricosene     | 322 | C23H46  | 052078-56-5 | 35   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG020922\  
Data File : BG052345.D  
Acq On : 9 Feb 2022 21:33  
Operator : CG/JU  
Sample : N1424-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

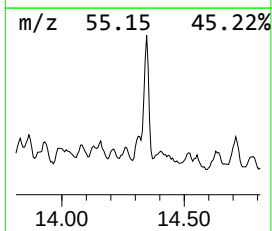
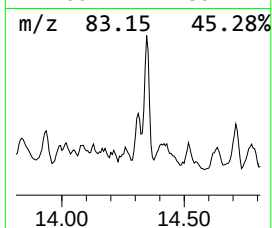
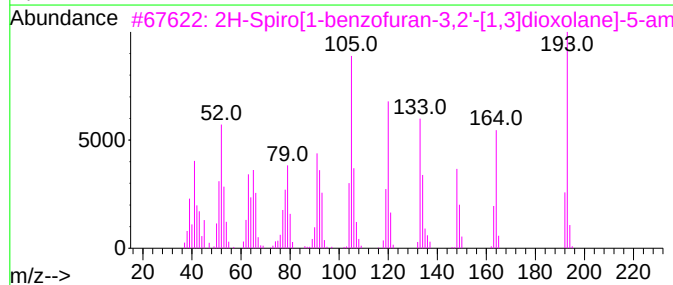
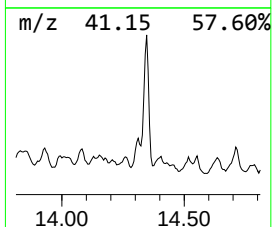
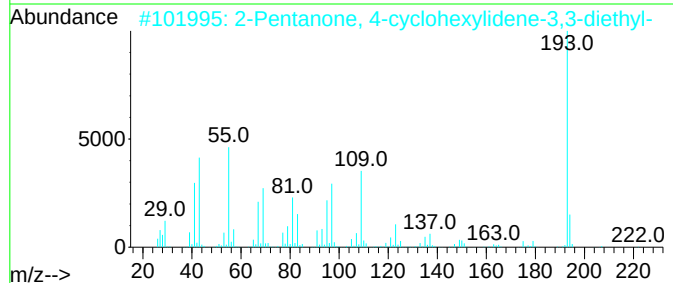
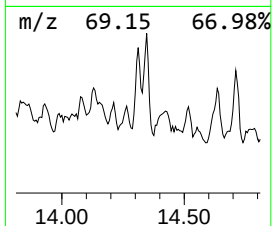
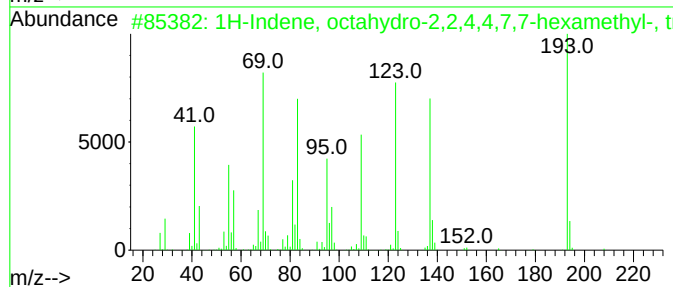
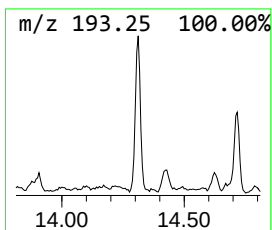
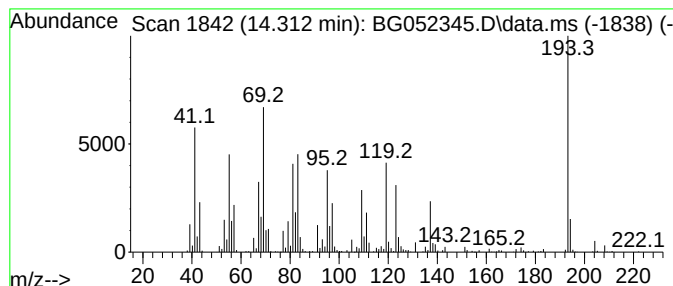
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ClientSampleId :  
DB-10(13-15)-02-04-22

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG020722.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 18 1H-Indene, octahydro-2,2,4,... Concentration Rank 20

| R.T.   | EstConc                             | Area          | Relative to ISTD | R.T.      |
|--------|-------------------------------------|---------------|------------------|-----------|
| 14.312 | 21.93 ng                            | 647046        | Acenaphthene-d10 | 14.881    |
| Hit#   | of 5                                | Tentative ID  | MW MolForm       | CAS# Qual |
| 1      | 1H-Indene, octahydro-2,2,4,4,7,7... | 208 C15H28    | 054832-83-6      | 53        |
| 2      | 2-Pentanone, 4-cyclohexylidene-3... | 222 C15H26O   | 313253-65-5      | 46        |
| 3      | 2H-Spiro[1-benzofuran-3,2'-[1,3]... | 193 C10H11NO3 | 1000387-33-4     | 30        |
| 4      | 2-Anthracenamine                    | 193 C14H11N   | 000613-13-8      | 27        |
| 5      | 9-Phenanthrenamine                  | 193 C14H11N   | 000947-73-9      | 27        |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG020922\  
Data File : BG052345.D  
Acq On : 9 Feb 2022 21:33  
Operator : CG/JU  
Sample : N1424-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
DB-10(13-15)-02-04-22

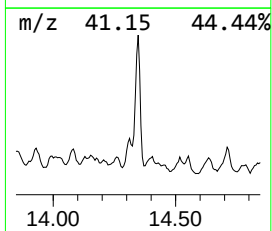
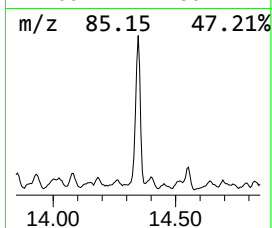
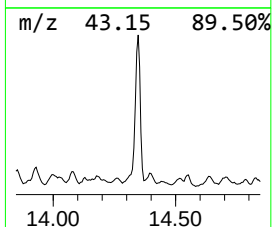
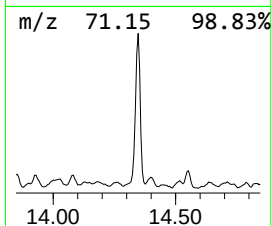
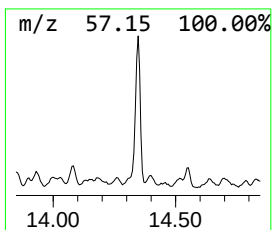
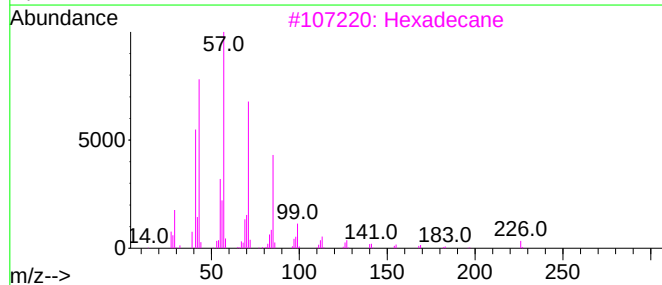
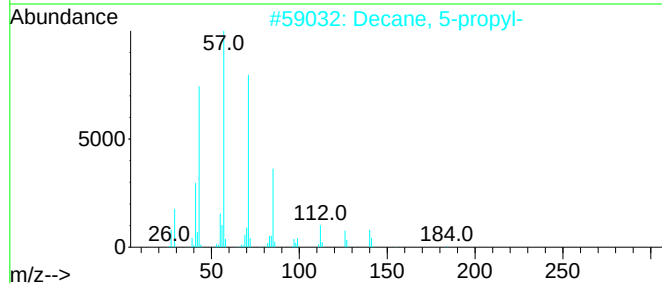
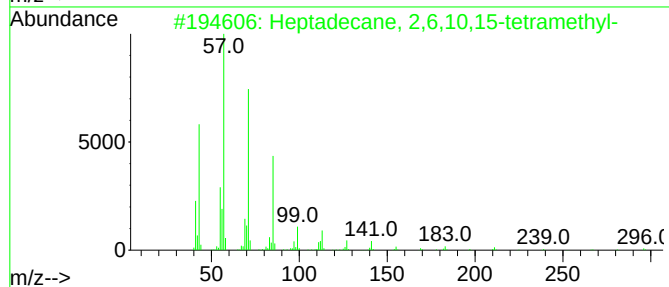
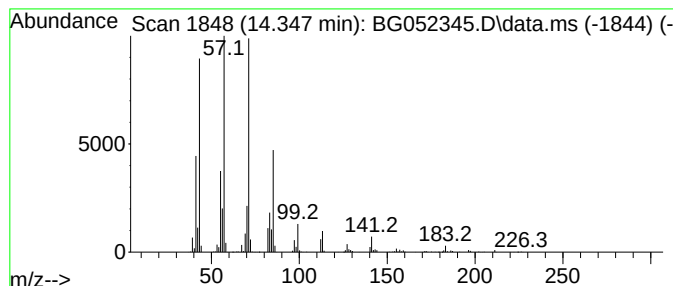
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 19 Heptadecane, 2,6,10,15-tetr... Concentration Rank 4

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 14.347 | 78.94 ng | 2328980 | Acenaphthene-d10 | 14.881 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44  | 054833-48-6 | 86   |
| 2    |    |   | Decane, 5-propyl-                   | 184 | C13H28  | 017312-62-8 | 81   |
| 3    |    |   | Hexadecane                          | 226 | C16H34  | 000544-76-3 | 80   |
| 4    |    |   | Nonane, 2,3-dimethyl-               | 156 | C11H24  | 002884-06-2 | 62   |
| 5    |    |   | Nonadecane                          | 268 | C19H40  | 000629-92-5 | 59   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG020922\  
Data File : BG052345.D  
Acq On : 9 Feb 2022 21:33  
Operator : CG/JU  
Sample : N1424-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
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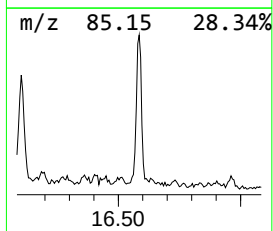
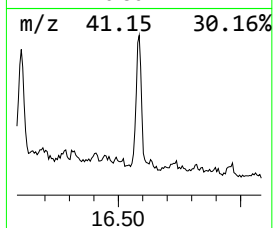
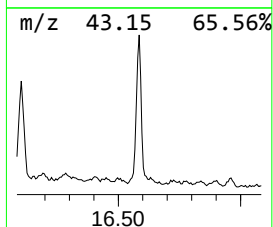
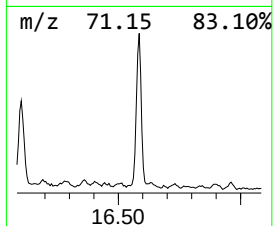
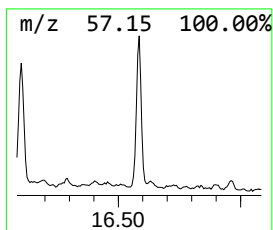
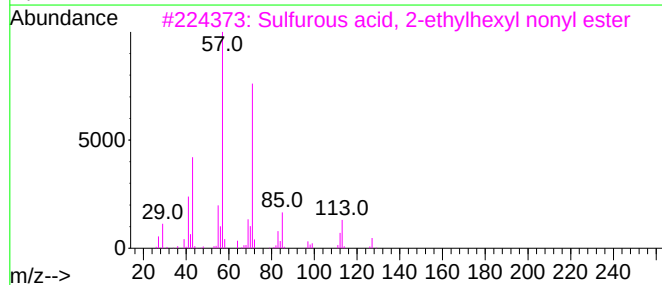
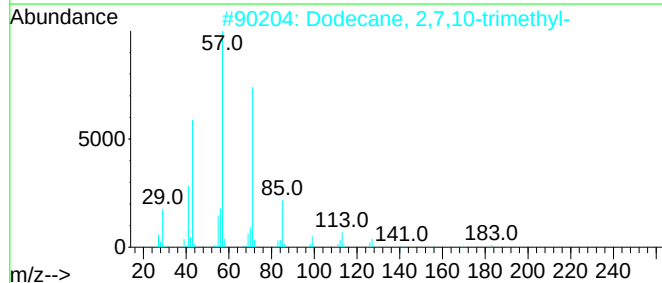
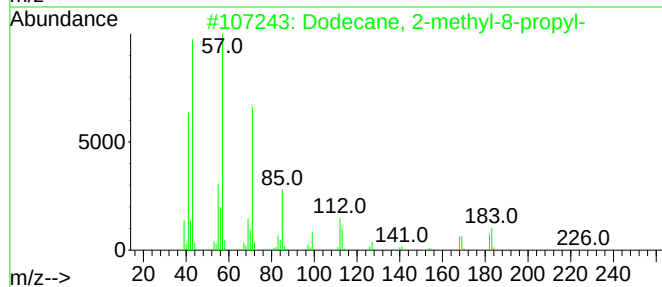
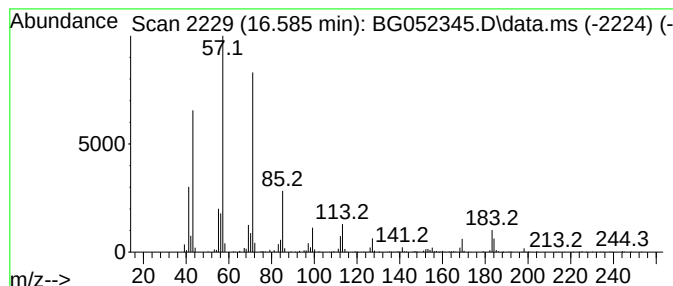
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 20 Dodecane, 2-methyl-8-propyl- Concentration Rank 11

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|--------|------------------|--------------|------|
| 16.585    | 27.91 ng                            | 575707 | Phenanthrene-d10 | 17.625       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#         | Qual |
| 1         | Dodecane, 2-methyl-8-propyl-        | 226    | C16H34           | 055045-07-3  | 90   |
| 2         | Dodecane, 2,7,10-trimethyl-         | 212    | C15H32           | 074645-98-0  | 80   |
| 3         | Sulfurous acid, 2-ethylhexyl non... | 320    | C17H36O3S        | 1010309-19-2 | 68   |
| 4         | Sulfurous acid, decyl 2-ethylhex... | 334    | C18H38O3S        | 1000309-19-3 | 64   |
| 5         | Tridecane                           | 184    | C13H28           | 000629-50-5  | 53   |





Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG020922\  
 Data File : BG052345.D  
 Acq On : 9 Feb 2022 21:33  
 Operator : CG/JU  
 Sample : N1424-01  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 DB-10(13-15)-02-04-22

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG020722.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L  
 TIC Integration Parameters: LSCINT.P

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |        |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|--------|------|
|                    |        |         |       |          | #                     | RT     | Resp   | Conc |
| Cyclopentane, h... | 8.801  | 26.9    | ng    | 744661   | 1                     | 8.226  | 554234 | 20.0 |
| unknown9.824       | 9.824  | 26.5    | ng    | 730724   | 2                     | 11.069 | 551193 | 20.0 |
| Decane, 3,7-dim... | 9.888  | 22.1    | ng    | 609345   | 2                     | 11.069 | 551193 | 20.0 |
| Nonane, 3-methyl-  | 10.123 | 25.6    | ng    | 704497   | 2                     | 11.069 | 551193 | 20.0 |
| Naphthalene, de... | 10.246 | 33.4    | ng    | 920670   | 2                     | 11.069 | 551193 | 20.0 |
| Heptyl tetradec... | 10.640 | 24.6    | ng    | 677655   | 2                     | 11.069 | 551193 | 20.0 |
| Sulfurous acid,... | 10.787 | 26.4    | ng    | 726248   | 2                     | 11.069 | 551193 | 20.0 |
| Undecane, 2,6-d... | 11.222 | 90.8    | ng    | 2501020  | 2                     | 11.069 | 551193 | 20.0 |
| 17-Pentatriacon... | 11.286 | 29.3    | ng    | 808443   | 2                     | 11.069 | 551193 | 20.0 |
| Decane, 3,8-dim... | 11.445 | 22.5    | ng    | 619247   | 2                     | 11.069 | 551193 | 20.0 |
| Cyclohexane, 2-... | 11.574 | 39.8    | ng    | 1096400  | 2                     | 11.069 | 551193 | 20.0 |
| trans,trans-3-E... | 11.762 | 41.3    | ng    | 1136700  | 2                     | 11.069 | 551193 | 20.0 |
| Octane, 2,6-dim... | 12.085 | 104.5   | ng    | 2880530  | 2                     | 11.069 | 551193 | 20.0 |
| Cyclopentane, 1... | 12.126 | 22.0    | ng    | 606095   | 2                     | 11.069 | 551193 | 20.0 |
| unknown12.684      | 12.684 | 74.3    | ng    | 2047300  | 2                     | 11.069 | 551193 | 20.0 |
| Dodecane, 2,7,1... | 13.413 | 105.3   | ng    | 3105500  | 3                     | 14.881 | 590035 | 20.0 |
| unknown13.677      | 13.677 | 30.4    | ng    | 896698   | 3                     | 14.881 | 590035 | 20.0 |
| 1H-Indene, octa... | 14.312 | 21.9    | ng    | 647046   | 3                     | 14.881 | 590035 | 20.0 |
| Heptadecane, 2,... | 14.347 | 78.9    | ng    | 2328980  | 3                     | 14.881 | 590035 | 20.0 |
| Dodecane, 2-met... | 16.585 | 27.9    | ng    | 575707   | 4                     | 17.625 | 412473 | 20.0 |