

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP041625\  
 Data File : BP024314.D  
 Acq On : 16 Apr 2025 16:35  
 Operator : RC/JU  
 Sample : Q1791-09  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 VB16193

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\_P\Methods\8270E-BP041425.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP024314.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         | 4.893       | 301           | 307         | 314          | rBV      | 1377746        | 1864538       | 18.21%          | 1.333%        |
| 2         | 5.346       | 378           | 384         | 401          | rBV      | 3516568        | 4962845       | 48.47%          | 3.548%        |
| 3         | 5.946       | 481           | 486         | 494          | rBV      | 435779         | 628764        | 6.14%           | 0.450%        |
| 4         | 6.740       | 611           | 621         | 633          | rBV      | 528435         | 819710        | 8.01%           | 0.586%        |
| 5         | 6.911       | 641           | 650         | 656          | rBV      | 2630137        | 4182802       | 40.85%          | 2.990%        |
| 6         | 6.969       | 656           | 660         | 671          | rVB2     | 177618         | 350153        | 3.42%           | 0.250%        |
| 7         | 7.281       | 704           | 713         | 720          | rBV3     | 174056         | 446599        | 4.36%           | 0.319%        |
| 8         | 7.716       | 775           | 787         | 796          | rVB2     | 2112031        | 4008760       | 39.15%          | 2.866%        |
| 9         | 7.858       | 805           | 811         | 817          | rVB      | 671165         | 981307        | 9.58%           | 0.702%        |
| 10        | 7.958       | 822           | 828         | 837          | rVV      | 2128397        | 3777779       | 36.90%          | 2.701%        |
| 11        | 8.140       | 854           | 859         | 865          | rVB      | 223227         | 310949        | 3.04%           | 0.222%        |
| 12        | 8.210       | 865           | 871         | 875          | rBV      | 671001         | 989107        | 9.66%           | 0.707%        |
| 13        | 8.269       | 875           | 881         | 885          | rBV      | 1654961        | 2866019       | 27.99%          | 2.049%        |
| 14        | 8.399       | 894           | 903         | 908          | rBV      | 2224436        | 3389024       | 33.10%          | 2.423%        |
| 15        | 8.463       | 908           | 914         | 918          | rVB2     | 275581         | 452071        | 4.42%           | 0.323%        |
| 16        | 8.599       | 929           | 937         | 940          | rBV      | 1257423        | 2105260       | 20.56%          | 1.505%        |
| 17        | 8.628       | 940           | 942         | 949          | rVB      | 742989         | 1054735       | 10.30%          | 0.754%        |
| 18        | 8.752       | 955           | 963         | 972          | rBV4     | 488939         | 1252163       | 12.23%          | 0.895%        |
| 19        | 8.875       | 972           | 984         | 989          | rBV      | 2498693        | 4677410       | 45.68%          | 3.344%        |
| 20        | 8.952       | 994           | 997         | 1005         | rVB      | 477856         | 833053        | 8.14%           | 0.596%        |
| 21        | 9.040       | 1006          | 1012        | 1018         | rBV2     | 139757         | 321603        | 3.14%           | 0.230%        |
| 22        | 9.234       | 1038          | 1045        | 1050         | rBV2     | 235499         | 474644        | 4.64%           | 0.339%        |
| 23        | 9.293       | 1050          | 1055        | 1060         | rBV      | 647405         | 962049        | 9.40%           | 0.688%        |
| 24        | 9.793       | 1131          | 1140        | 1144         | rBV3     | 180656         | 397783        | 3.89%           | 0.284%        |
| 25        | 9.916       | 1157          | 1161        | 1168         | rVB      | 763975         | 1182634       | 11.55%          | 0.846%        |
| 26        | 9.987       | 1168          | 1173        | 1177         | rBV      | 458093         | 761387        | 7.44%           | 0.544%        |
| 27        | 10.022      | 1177          | 1179        | 1185         | rVB      | 247910         | 308961        | 3.02%           | 0.221%        |
| 28        | 10.087      | 1185          | 1190        | 1201         | rVB2     | 214259         | 376170        | 3.67%           | 0.269%        |
| 29        | 10.499      | 1250          | 1260        | 1271         | rVB      | 1409068        | 2765684       | 27.01%          | 1.977%        |
| 30        | 10.857      | 1316          | 1321        | 1335         | rVB      | 294836         | 696969        | 6.81%           | 0.498%        |
| 31        | 11.416      | 1411          | 1416        | 1423         | rVB      | 178786         | 309753        | 3.03%           | 0.221%        |
| 32        | 11.522      | 1429          | 1434        | 1439         | rVV      | 321347         | 496967        | 4.85%           | 0.355%        |
| 33        | 11.922      | 1496          | 1502        | 1509         | rBV      | 829781         | 1266535       | 12.37%          | 0.905%        |
| 34        | 12.146      | 1534          | 1540        | 1547         | rVB2     | 183331         | 409285        | 4.00%           | 0.293%        |
| 35        | 12.563      | 1606          | 1611        | 1615         | rBV2     | 198739         | 327357        | 3.20%           | 0.234%        |
| 36        | 12.610      | 1615          | 1619        | 1626         | rVV3     | 202796         | 463030        | 4.52%           | 0.331%        |

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 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 VB16193

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\_P\Methods\8270E-BP041425.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 37 | 12.746 | 1637 | 1642 | 1647 | rBV  | 291454  | 425482  | 4.16%  | 0.304% |
| 38 | 12.834 | 1653 | 1657 | 1662 | rBV  | 288619  | 402808  | 3.93%  | 0.288% |
| 39 | 12.893 | 1662 | 1667 | 1671 | rVV  | 726637  | 1026028 | 10.02% | 0.734% |
| 40 | 12.969 | 1671 | 1680 | 1686 | rVB  | 6492024 | 8986770 | 87.77% | 6.425% |
| 41 | 13.181 | 1709 | 1716 | 1723 | rBV  | 1714007 | 2576611 | 25.17% | 1.842% |
| 42 | 13.251 | 1723 | 1728 | 1735 | rBV2 | 1000414 | 1665921 | 16.27% | 1.191% |
| 43 | 13.704 | 1801 | 1805 | 1810 | rBV2 | 279436  | 490267  | 4.79%  | 0.351% |
| 44 | 13.751 | 1810 | 1813 | 1819 | rVB3 | 244058  | 338704  | 3.31%  | 0.242% |
| 45 | 13.822 | 1820 | 1825 | 1826 | rBV2 | 274331  | 402788  | 3.93%  | 0.288% |
| 46 | 13.845 | 1826 | 1829 | 1833 | rVV2 | 609715  | 789363  | 7.71%  | 0.564% |
| 47 | 13.887 | 1833 | 1836 | 1843 | rVB  | 455455  | 670219  | 6.55%  | 0.479% |
| 48 | 13.963 | 1845 | 1849 | 1853 | rVB  | 427620  | 471586  | 4.61%  | 0.337% |
| 49 | 14.263 | 1895 | 1900 | 1905 | rBV  | 1088311 | 1334666 | 13.04% | 0.954% |
| 50 | 14.351 | 1909 | 1915 | 1923 | rBV2 | 2038971 | 3622198 | 35.38% | 2.590% |
| 51 | 14.716 | 1969 | 1977 | 1983 | rBV2 | 507492  | 1157115 | 11.30% | 0.827% |
| 52 | 14.769 | 1983 | 1986 | 1992 | rVB  | 478349  | 596820  | 5.83%  | 0.427% |
| 53 | 14.828 | 1992 | 1996 | 2001 | rBV  | 325391  | 448866  | 4.38%  | 0.321% |
| 54 | 14.898 | 2003 | 2008 | 2014 | rBV2 | 426293  | 594014  | 5.80%  | 0.425% |
| 55 | 14.963 | 2014 | 2019 | 2023 | rBV  | 508276  | 642202  | 6.27%  | 0.459% |
| 56 | 15.234 | 2062 | 2065 | 2071 | rVB  | 443480  | 540487  | 5.28%  | 0.386% |
| 57 | 15.287 | 2071 | 2074 | 2079 | rBV2 | 581470  | 1045022 | 10.21% | 0.747% |
| 58 | 15.363 | 2084 | 2087 | 2094 | rVV2 | 308537  | 472599  | 4.62%  | 0.338% |
| 59 | 15.422 | 2094 | 2097 | 2101 | rVB2 | 296190  | 379814  | 3.71%  | 0.272% |
| 60 | 15.628 | 2126 | 2132 | 2135 | rBV2 | 794248  | 1370341 | 13.38% | 0.980% |
| 61 | 15.687 | 2139 | 2142 | 2147 | rVB  | 399508  | 466818  | 4.56%  | 0.334% |
| 62 | 15.745 | 2148 | 2152 | 2158 | rVB2 | 582816  | 753705  | 7.36%  | 0.539% |
| 63 | 15.804 | 2158 | 2162 | 2168 | rBV  | 417382  | 736269  | 7.19%  | 0.526% |
| 64 | 15.875 | 2169 | 2174 | 2183 | rVB  | 5139669 | 7070907 | 69.06% | 5.055% |
| 65 | 16.110 | 2209 | 2214 | 2218 | rVV2 | 441365  | 878739  | 8.58%  | 0.628% |
| 66 | 16.169 | 2219 | 2224 | 2228 | rVV2 | 606829  | 1333670 | 13.03% | 0.953% |
| 67 | 16.228 | 2232 | 2234 | 2238 | rVV2 | 404627  | 545956  | 5.33%  | 0.390% |
| 68 | 16.287 | 2241 | 2244 | 2249 | rVB2 | 292697  | 363335  | 3.55%  | 0.260% |
| 69 | 16.351 | 2249 | 2255 | 2259 | rBV3 | 345777  | 614195  | 6.00%  | 0.439% |
| 70 | 16.481 | 2272 | 2277 | 2284 | rBV2 | 567437  | 1402244 | 13.70% | 1.003% |
| 71 | 16.539 | 2284 | 2287 | 2291 | rVB2 | 320472  | 346155  | 3.38%  | 0.247% |
| 72 | 16.587 | 2291 | 2295 | 2300 | rVB  | 398453  | 477720  | 4.67%  | 0.342% |
| 73 | 16.704 | 2312 | 2315 | 2320 | rBV2 | 295359  | 476271  | 4.65%  | 0.341% |
| 74 | 16.928 | 2348 | 2353 | 2356 | rBV3 | 336947  | 545629  | 5.33%  | 0.390% |
| 75 | 16.963 | 2356 | 2359 | 2365 | rVB3 | 382378  | 746556  | 7.29%  | 0.534% |
| 76 | 17.098 | 2378 | 2382 | 2387 | rVB2 | 510535  | 761025  | 7.43%  | 0.544% |

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 Sample : Q1791-09  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 VB16193

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\_P\Methods\8270E-BP041425.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|     |        |      |      |      |      |         |          |         |        |
|-----|--------|------|------|------|------|---------|----------|---------|--------|
| 77  | 17.169 | 2388 | 2394 | 2399 | rBV  | 2029512 | 3020504  | 29.50%  | 2.159% |
| 78  | 17.245 | 2404 | 2407 | 2413 | rVV2 | 314528  | 467015   | 4.56%   | 0.334% |
| 79  | 17.563 | 2457 | 2461 | 2465 | rBV  | 259110  | 402344   | 3.93%   | 0.288% |
| 80  | 17.704 | 2482 | 2485 | 2495 | rVB3 | 155430  | 347543   | 3.39%   | 0.248% |
| 81  | 17.875 | 2510 | 2514 | 2519 | rVB2 | 248079  | 333109   | 3.25%   | 0.238% |
| 82  | 17.992 | 2531 | 2534 | 2543 | rVB2 | 203019  | 319003   | 3.12%   | 0.228% |
| 83  | 18.110 | 2550 | 2554 | 2561 | rBV2 | 1227868 | 1870739  | 18.27%  | 1.337% |
| 84  | 18.186 | 2563 | 2567 | 2572 | rVB  | 1071090 | 1293334  | 12.63%  | 0.925% |
| 85  | 18.910 | 2686 | 2690 | 2694 | rBV  | 209775  | 342973   | 3.35%   | 0.245% |
| 86  | 19.028 | 2706 | 2710 | 2715 | rBV3 | 188173  | 323195   | 3.16%   | 0.231% |
| 87  | 19.075 | 2715 | 2718 | 2723 | rBV  | 311124  | 402969   | 3.94%   | 0.288% |
| 88  | 19.322 | 2753 | 2760 | 2763 | rBV2 | 1172165 | 1869121  | 18.26%  | 1.336% |
| 89  | 19.445 | 2776 | 2781 | 2788 | rBV2 | 908587  | 1581224  | 15.44%  | 1.130% |
| 90  | 19.533 | 2792 | 2796 | 2804 | rVB  | 1253622 | 1728078  | 16.88%  | 1.235% |
| 91  | 19.686 | 2819 | 2822 | 2825 | rVB2 | 393206  | 429531   | 4.20%   | 0.307% |
| 92  | 19.722 | 2825 | 2828 | 2833 | rBV3 | 300040  | 376637   | 3.68%   | 0.269% |
| 93  | 19.863 | 2848 | 2852 | 2853 | rBV  | 410646  | 513814   | 5.02%   | 0.367% |
| 94  | 19.904 | 2853 | 2859 | 2867 | rVB  | 7068033 | 10238672 | 100.00% | 7.320% |
| 95  | 20.310 | 2924 | 2928 | 2932 | rBV3 | 321744  | 556376   | 5.43%   | 0.398% |
| 96  | 20.433 | 2945 | 2949 | 2955 | rBV3 | 425255  | 796889   | 7.78%   | 0.570% |
| 97  | 20.639 | 2980 | 2984 | 2988 | rVB  | 3627682 | 4039923  | 39.46%  | 2.888% |
| 98  | 21.533 | 3132 | 3136 | 3143 | rVB  | 1662228 | 2799396  | 27.34%  | 2.001% |
| 99  | 21.610 | 3144 | 3149 | 3156 | rVB2 | 1683163 | 3126897  | 30.54%  | 2.236% |
| 100 | 24.963 | 3712 | 3719 | 3728 | rVB  | 1236041 | 3250516  | 31.75%  | 2.324% |

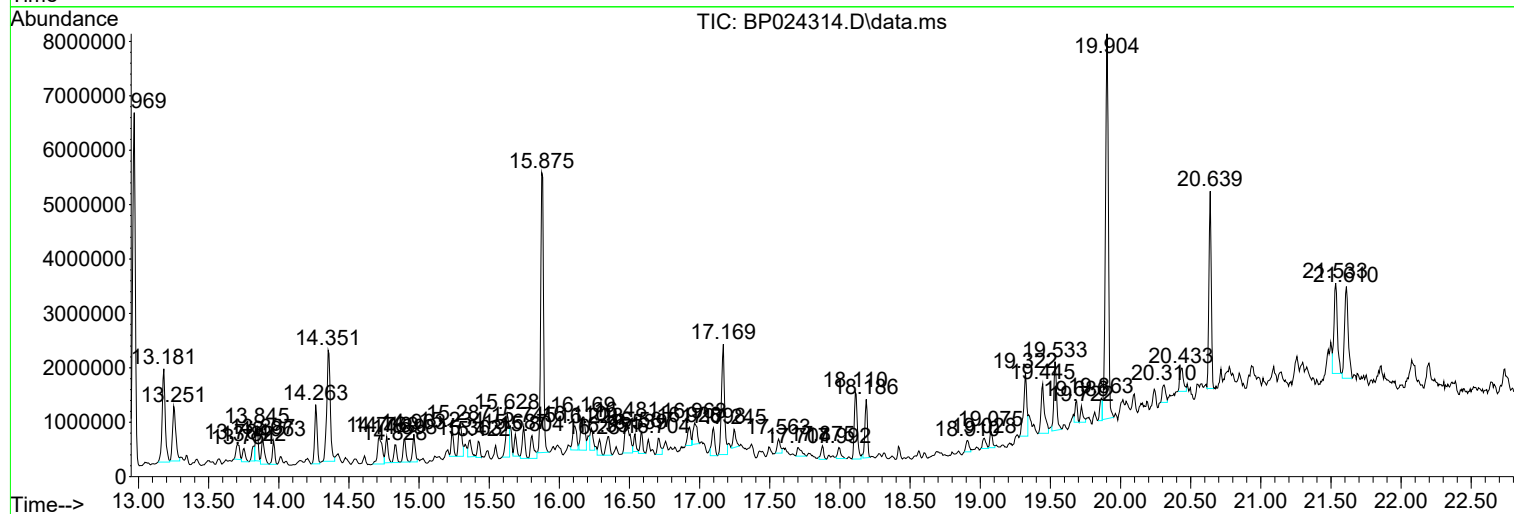
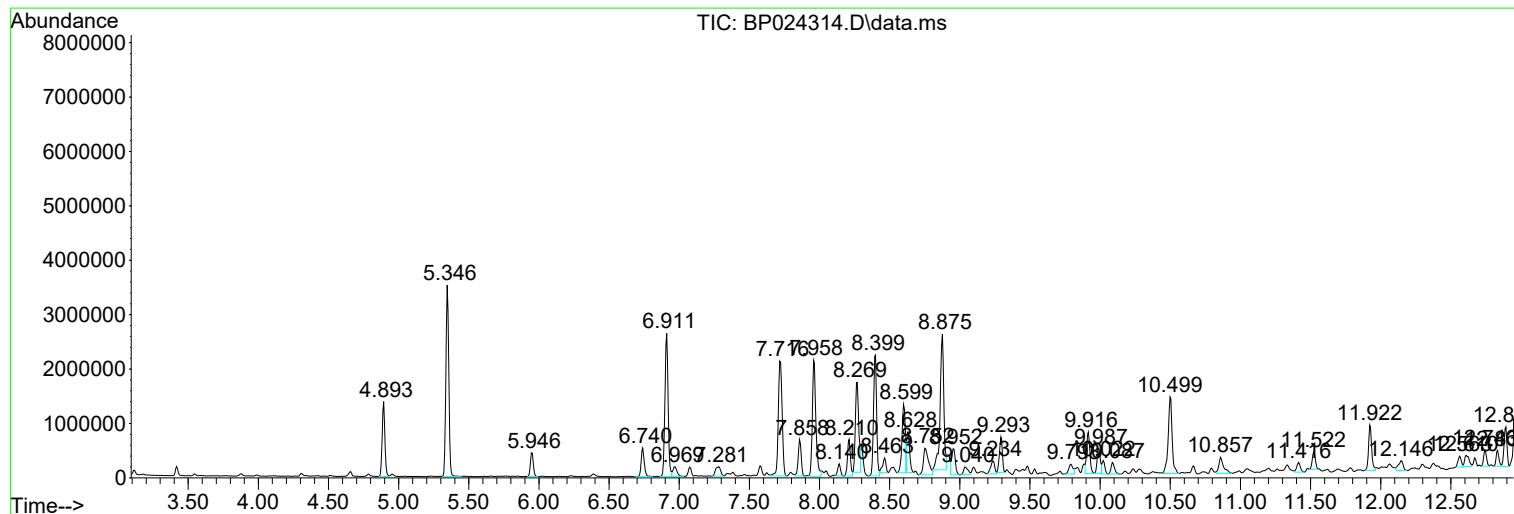
Sum of corrected areas: 139873546

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Data File : BP024314.D  
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Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP041425.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\_P\Data\BP041625\  
Data File : BP024314.D  
Acq On : 16 Apr 2025 16:35  
Operator : RC/JU  
Sample : Q1791-09  
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP041425.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

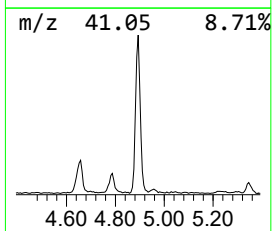
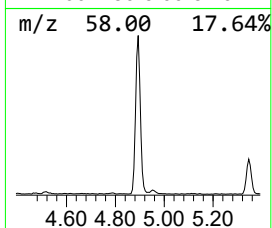
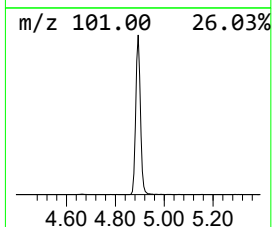
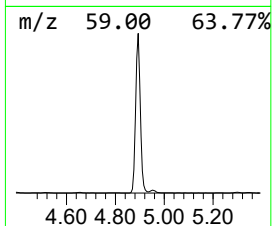
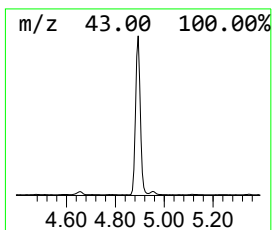
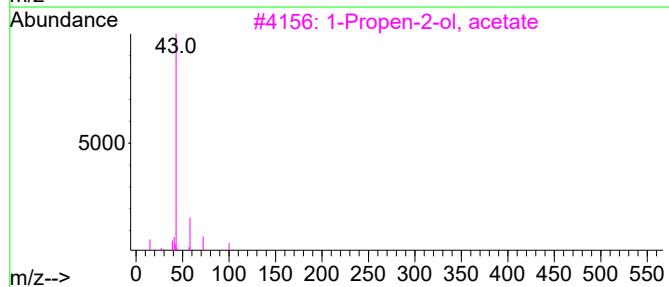
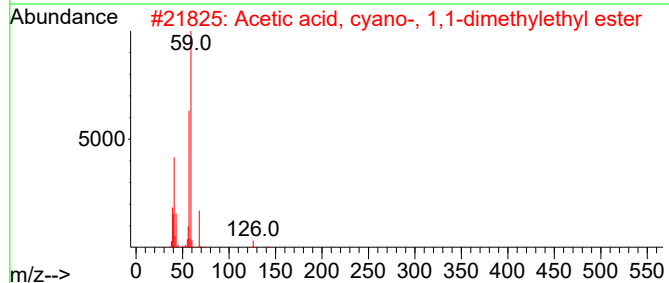
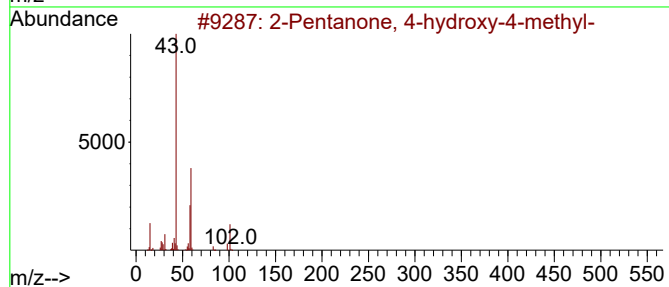
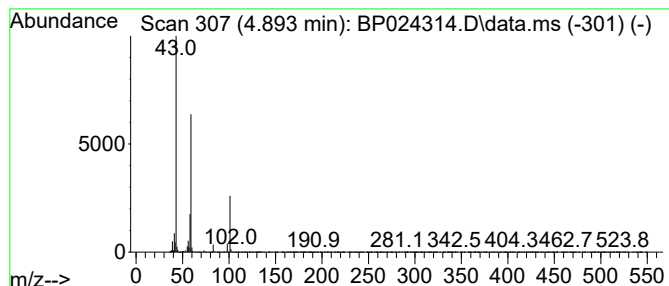
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 11

| R.T.  | EstConc | Area    | Relative to ISTD       | R.T.  |
|-------|---------|---------|------------------------|-------|
| 4.893 | 9.30 ng | 1864540 | 1,4-Dichlorobenzene-d4 | 7.728 |

| Hit# | of                                  | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2      | 000123-42-2 | 56      |      |      |
| 2    | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2     | 001116-98-9 | 17      |      |      |
| 3    | 1-Propen-2-ol, acetate              | 100 | C5H8O2       | 000108-22-5 | 10      |      |      |
| 4    | 5-Hexen-2-one                       | 98  | C6H10O       | 000109-49-9 | 9       |      |      |
| 5    | Morpholine, 4-methyl-               | 101 | C5H11NO      | 000109-02-4 | 9       |      |      |



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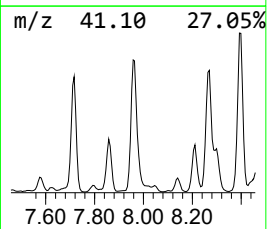
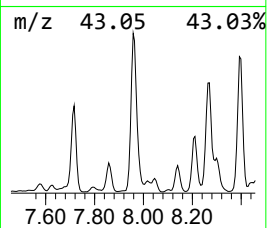
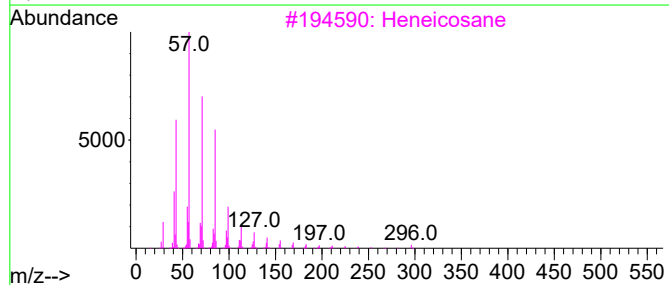
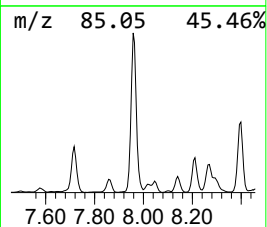
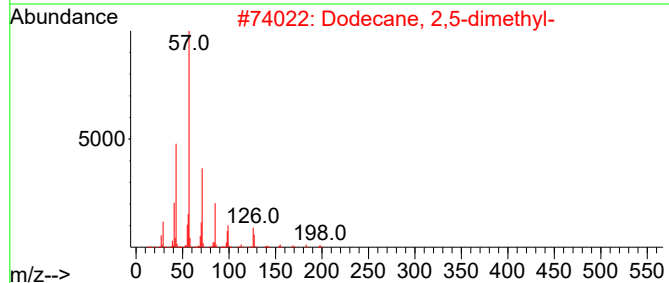
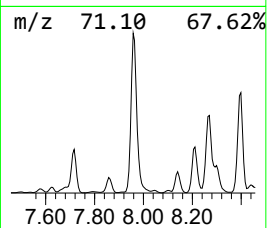
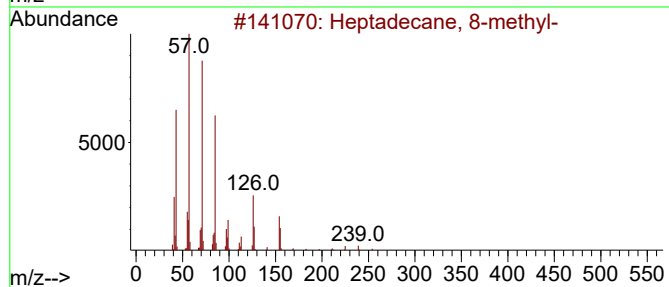
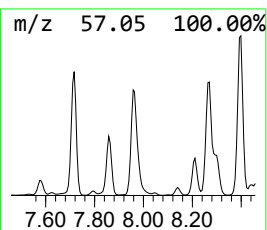
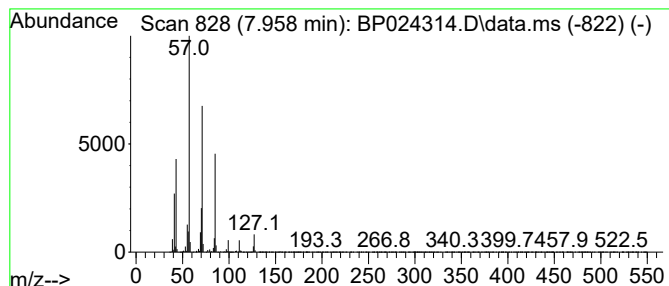
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP041425.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 2 Heptadecane, 8-methyl- Concentration Rank 2

| R.T.  | EstConc  | Area    | Relative to ISTD       | R.T.  |
|-------|----------|---------|------------------------|-------|
| 7.958 | 18.85 ng | 3777780 | 1,4-Dichlorobenzene-d4 | 7.728 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|------|-------------------------------------|-----|-----------|--------------|------|
| 1    |      | Heptadecane, 8-methyl-              | 254 | C18H38    | 013287-23-5  | 72   |
| 2    |      | Dodecane, 2,5-dimethyl-             | 198 | C14H30    | 056292-65-0  | 72   |
| 3    |      | Heneicosane                         | 296 | C21H44    | 000629-94-7  | 72   |
| 4    |      | Heptadecane                         | 240 | C17H36    | 000629-78-7  | 64   |
| 5    |      | Sulfurous acid, 2-ethylhexyl hex... | 278 | C14H30O3S | 1000309-20-2 | 64   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP041625\  
Data File : BP024314.D  
Acq On : 16 Apr 2025 16:35  
Operator : RC/JU  
Sample : Q1791-09  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
VB16193

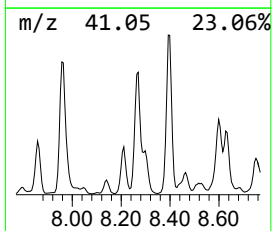
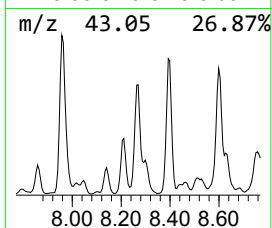
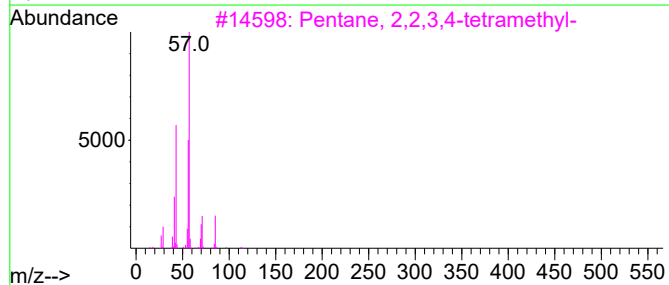
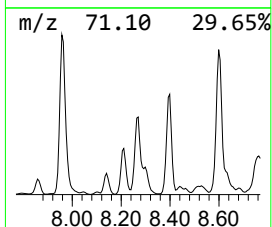
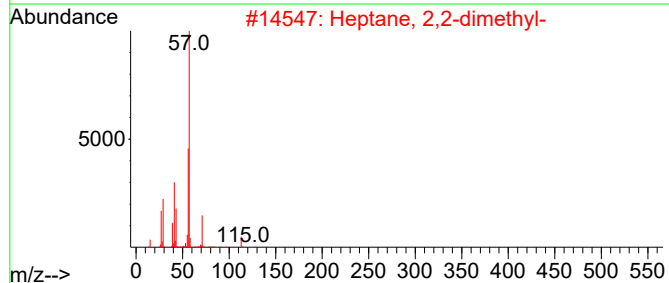
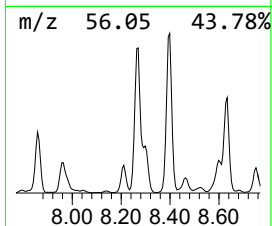
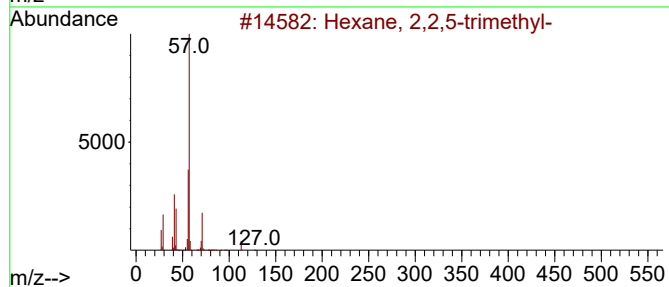
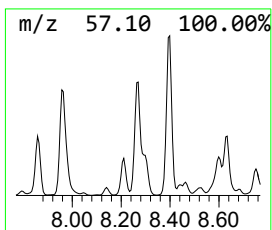
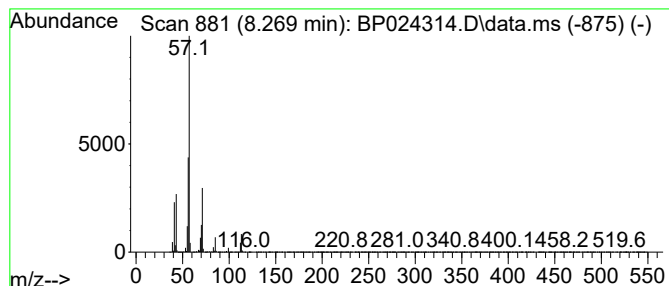
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 3 Hexane, 2,2,5-trimethyl- Concentration Rank 4

| R.T.  | EstConc  | Area    | Relative to ISTD       | R.T.  |
|-------|----------|---------|------------------------|-------|
| 8.269 | 14.30 ng | 2866020 | 1,4-Dichlorobenzene-d4 | 7.728 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------|-----|---------|-------------|------|
| 1    |    |   | Hexane, 2,2,5-trimethyl-       | 128 | C9H20   | 003522-94-9 | 59   |
| 2    |    |   | Heptane, 2,2-dimethyl-         | 128 | C9H20   | 001071-26-7 | 53   |
| 3    |    |   | Pentane, 2,2,3,4-tetramethyl-  | 128 | C9H20   | 001186-53-4 | 53   |
| 4    |    |   | Undecane, 4,6-dimethyl-        | 184 | C13H28  | 017312-82-2 | 50   |
| 5    |    |   | Pentane, 3-ethyl-2,2-dimethyl- | 128 | C9H20   | 016747-32-3 | 50   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP041625\  
Data File : BP024314.D  
Acq On : 16 Apr 2025 16:35  
Operator : RC/JU  
Sample : Q1791-09  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
VB16193

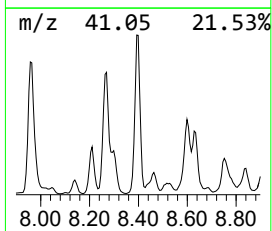
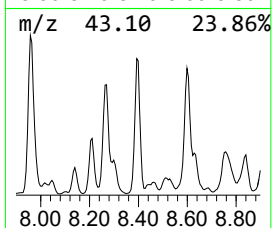
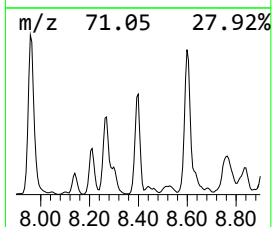
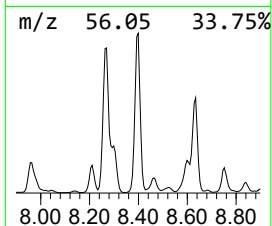
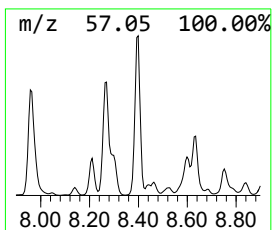
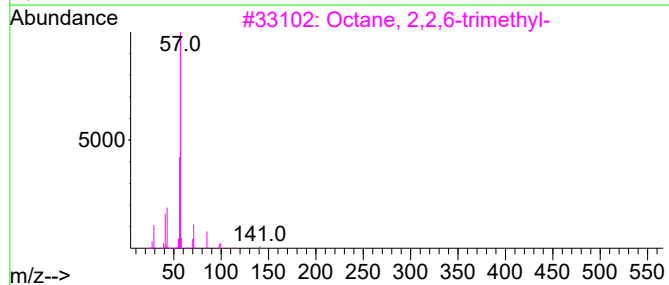
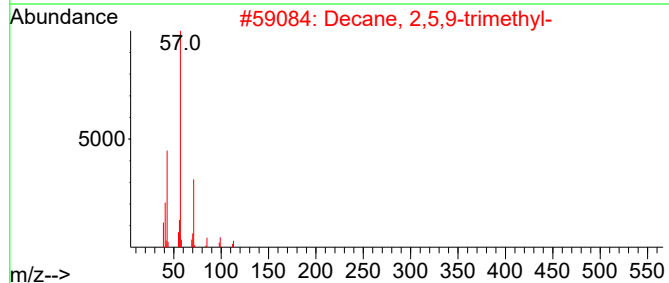
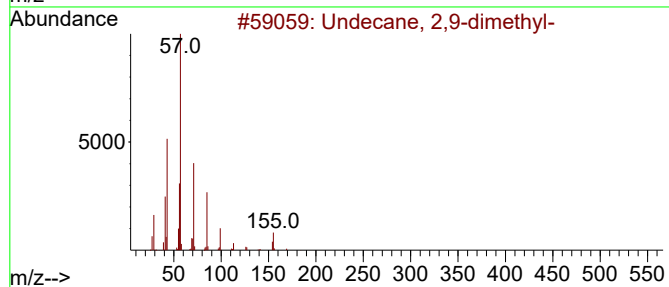
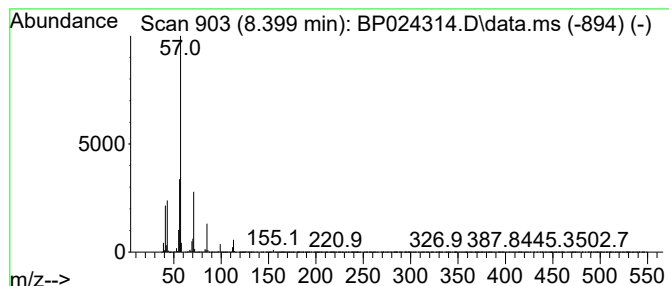
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 4 Undecane, 2,9-dimethyl- Concentration Rank 3

| R.T.  | EstConc  | Area    | Relative to ISTD       | R.T.  |
|-------|----------|---------|------------------------|-------|
| 8.399 | 16.91 ng | 3389020 | 1,4-Dichlorobenzene-d4 | 7.728 |

| Hit# | of | 5 | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------------|-----|---------|-------------|------|
| 1    |    |   | Undecane, 2,9-dimethyl-   | 184 | C13H28  | 017301-26-7 | 72   |
| 2    |    |   | Decane, 2,5,9-trimethyl-  | 184 | C13H28  | 062108-22-9 | 59   |
| 3    |    |   | Octane, 2,2,6-trimethyl-  | 156 | C11H24  | 062016-28-8 | 53   |
| 4    |    |   | Hexane, 3-ethyl-4-methyl- | 128 | C9H20   | 003074-77-9 | 53   |
| 5    |    |   | Hexane, 2,2,4-trimethyl-  | 128 | C9H20   | 016747-26-5 | 50   |





Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP041625\  
Data File : BP024314.D  
Acq On : 16 Apr 2025 16:35  
Operator : RC/JU  
Sample : Q1791-09  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
VB16193

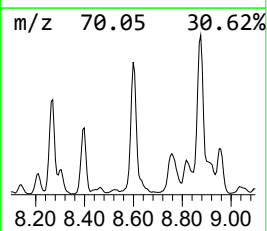
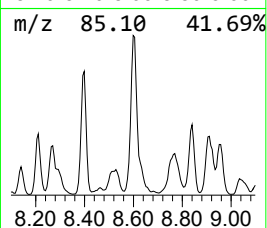
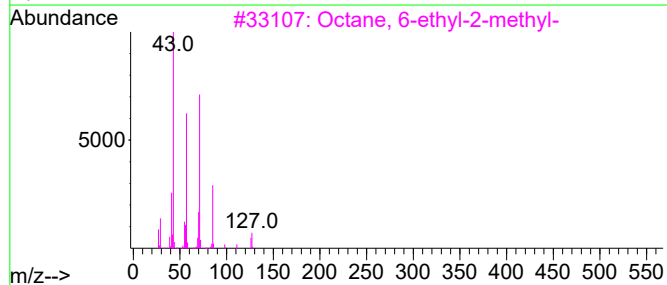
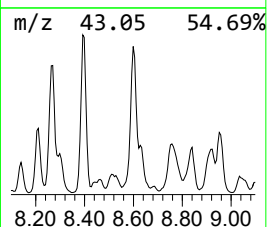
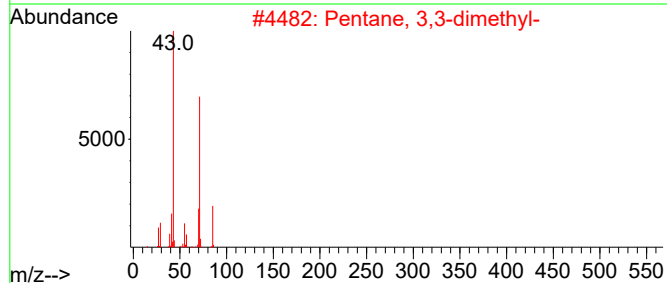
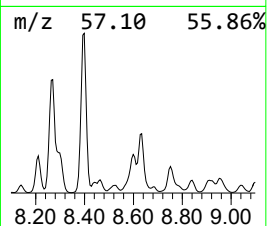
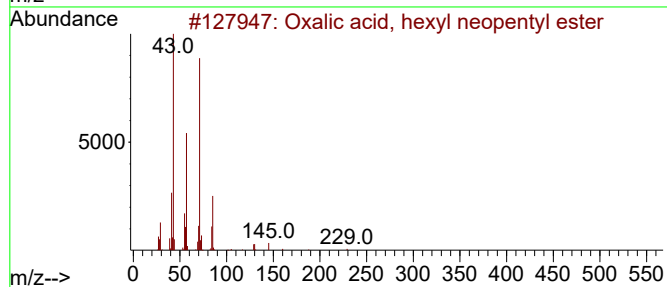
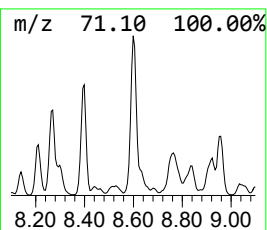
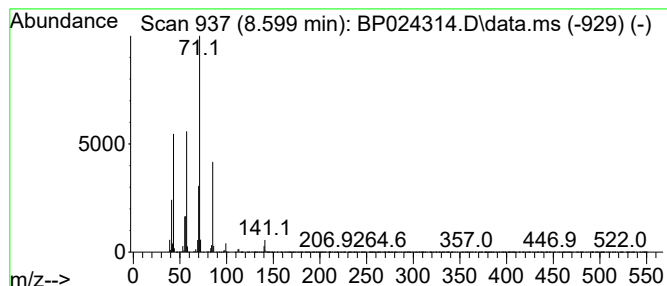
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 5 Oxalic acid, hexyl neopentyl... Concentration Rank 9

| R.T.  | EstConc  | Area    | Relative to ISTD       | R.T.  |
|-------|----------|---------|------------------------|-------|
| 8.599 | 10.50 ng | 2105260 | 1,4-Dichlorobenzene-d4 | 7.728 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm  | CAS#         | Qual |
|------|----|---|------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Oxalic acid, hexyl neopentyl ester | 244 | C13H24O4 | 1000309-73-1 | 72   |
| 2    |    |   | Pentane, 3,3-dimethyl-             | 100 | C7H16    | 000562-49-2  | 72   |
| 3    |    |   | Octane, 6-ethyl-2-methyl-          | 156 | C11H24   | 062016-19-7  | 72   |
| 4    |    |   | Hexane, 3,3-dimethyl-              | 114 | C8H18    | 000563-16-6  | 64   |
| 5    |    |   | Dodecane, 2,6,10-trimethyl-        | 212 | C15H32   | 003891-98-3  | 64   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP041625\  
Data File : BP024314.D  
Acq On : 16 Apr 2025 16:35  
Operator : RC/JU  
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Misc :  
ALS Vial : 12 Sample Multiplier: 1

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BNA\_P  
ClientSampleId :  
VB16193

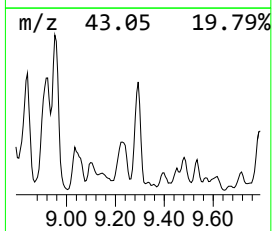
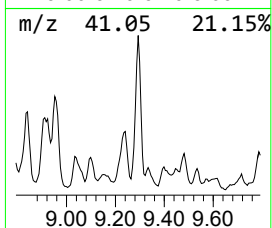
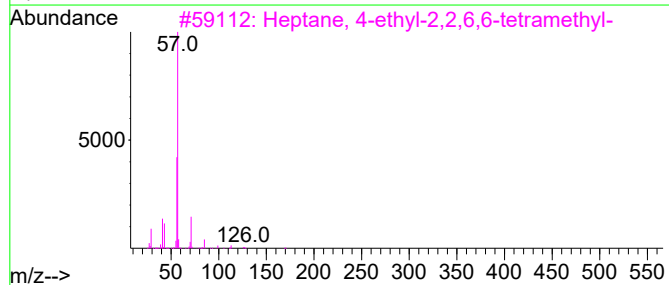
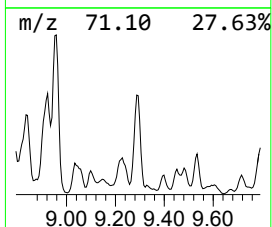
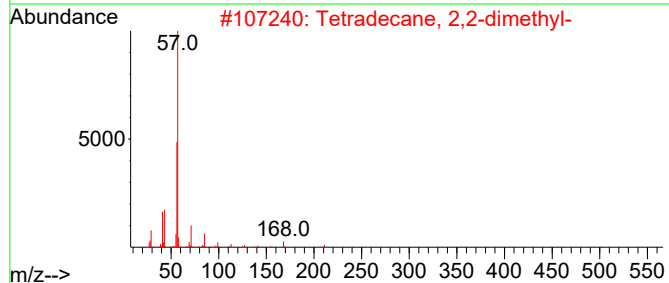
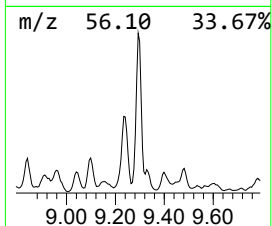
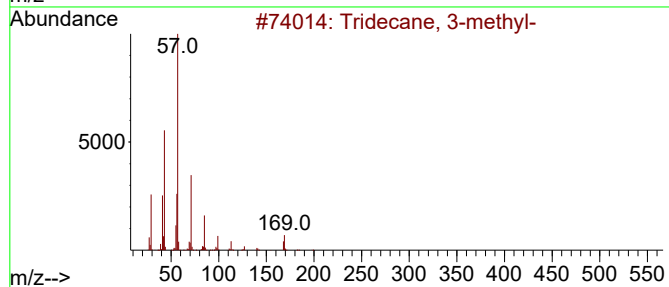
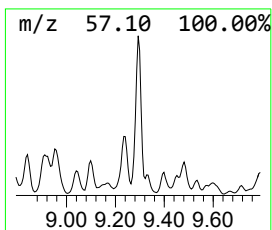
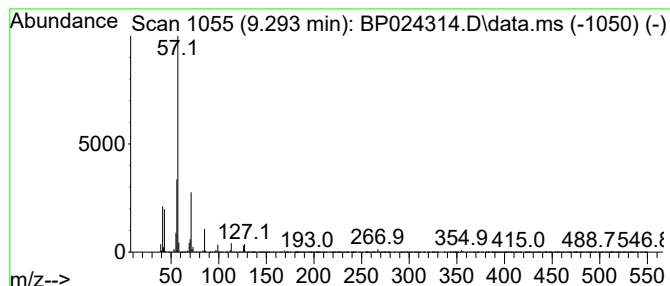
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 6 Tridecane, 3-methyl- Concentration Rank 19

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.   |
|-------|---------|--------|------------------|--------|
| 9.293 | 6.96 ng | 962049 | Naphthalene-d8   | 10.499 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Tridecane, 3-methyl-                | 198 | C14H30  | 006418-41-3 | 64   |
| 2    |    |   | Tetradecane, 2,2-dimethyl-          | 226 | C16H34  | 059222-86-5 | 59   |
| 3    |    |   | Heptane, 4-ethyl-2,2,6,6-tetrame... | 184 | C13H28  | 062108-31-0 | 53   |
| 4    |    |   | Hexane, 2,2,5,5-tetramethyl-        | 142 | C10H22  | 001071-81-4 | 50   |
| 5    |    |   | Octane, 2,2,6-trimethyl-            | 156 | C11H24  | 062016-28-8 | 50   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP041625\  
Data File : BP024314.D  
Acq On : 16 Apr 2025 16:35  
Operator : RC/JU  
Sample : Q1791-09  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
VB16193

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP041425.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

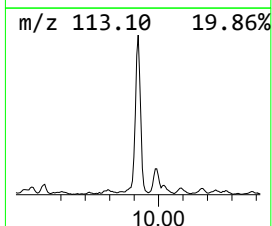
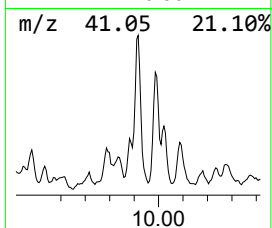
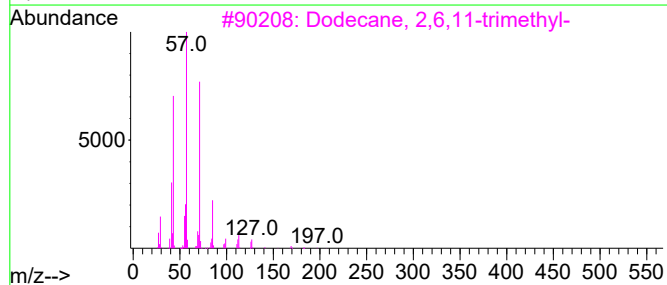
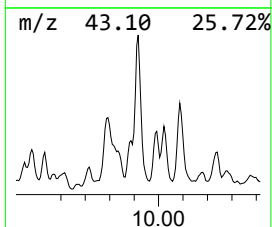
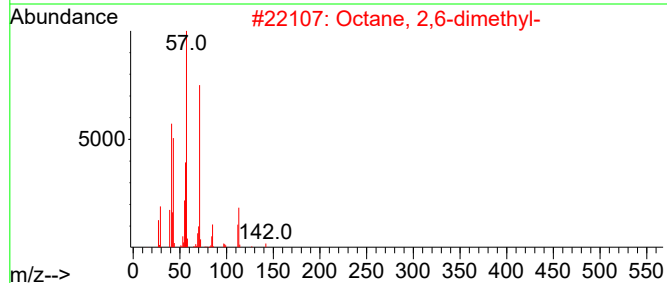
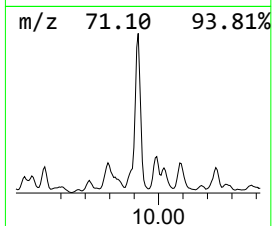
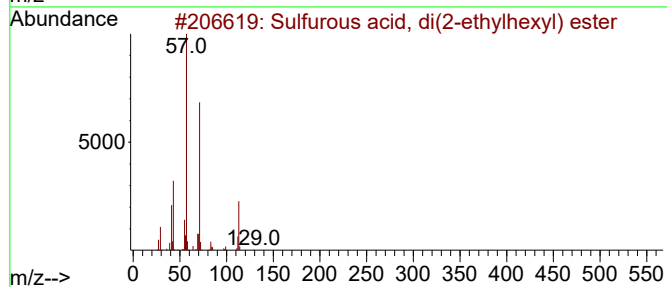
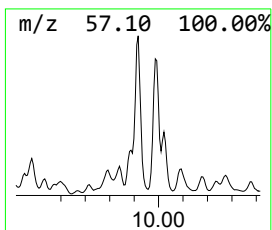
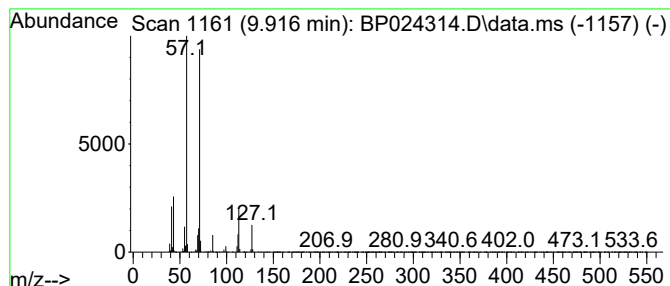
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Sulfurous acid, di(2-ethylh... Concentration Rank 16

| R.T.  | EstConc | Area    | Relative to ISTD | R.T.   |
|-------|---------|---------|------------------|--------|
| 9.916 | 8.55 ng | 1182630 | Naphthalene-d8   | 10.499 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Sulfurous acid, di(2-ethylhexyl)... | 306 | C16H34O3S | 1000309-19-1 | 78   |
| 2    |    |   | Octane, 2,6-dimethyl-               | 142 | C10H22    | 002051-30-1  | 72   |
| 3    |    |   | Dodecane, 2,6,11-trimethyl-         | 212 | C15H32    | 031295-56-4  | 72   |
| 4    |    |   | Octane, 2,3,7-trimethyl-            | 156 | C11H24    | 062016-34-6  | 64   |
| 5    |    |   | Octane, 2-bromo-                    | 192 | C8H17Br   | 000557-35-7  | 64   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP041625\  
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Acq On : 16 Apr 2025 16:35  
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BNA\_P  
ClientSampleId :  
VB16193

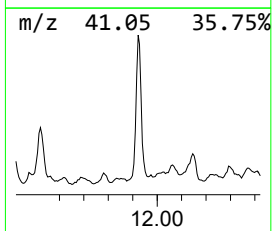
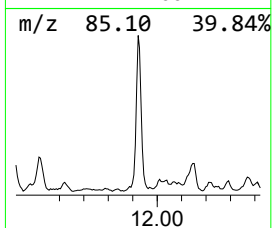
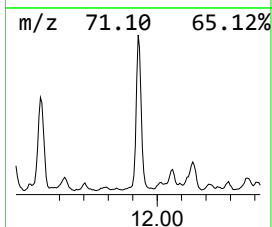
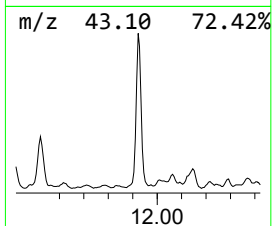
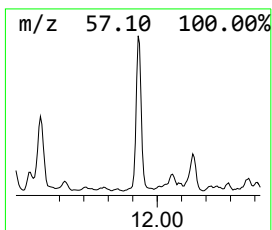
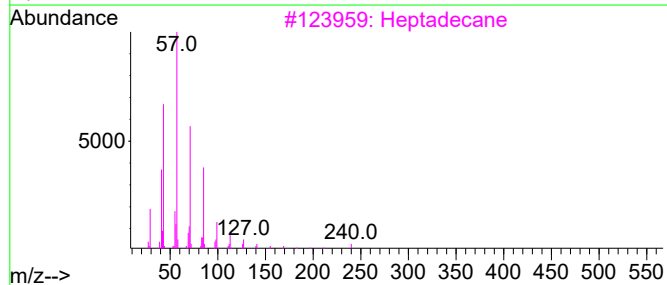
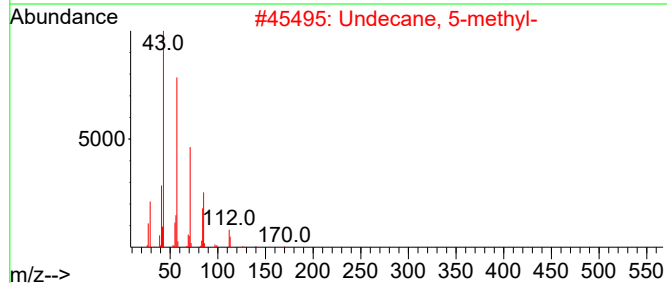
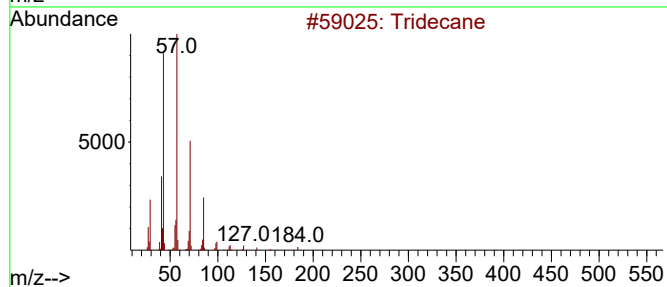
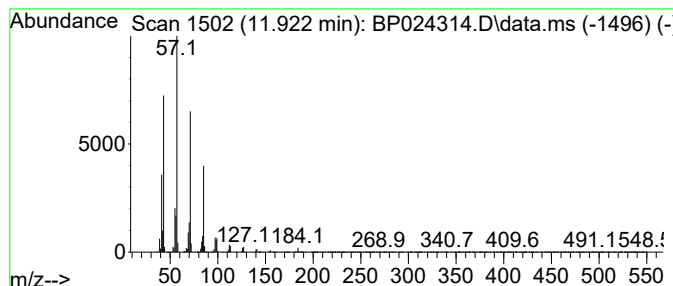
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 8 Tridecane Concentration Rank 14

| R.T.      | EstConc                        | Area    | Relative to ISTD | R.T.        |      |
|-----------|--------------------------------|---------|------------------|-------------|------|
| 11.922    | 9.16 ng                        | 1266540 | Naphthalene-d8   | 10.499      |      |
| Hit# of 5 | Tentative ID                   | MW      | MolForm          | CAS#        | Qual |
| 1         | Tridecane                      | 184     | C13H28           | 000629-50-5 | 81   |
| 2         | Undecane, 5-methyl-            | 170     | C12H26           | 001632-70-8 | 80   |
| 3         | Heptadecane                    | 240     | C17H36           | 000629-78-7 | 78   |
| 4         | Hexadecane                     | 226     | C16H34           | 000544-76-3 | 78   |
| 5         | Tetradecane, 2,6,10-trimethyl- | 240     | C17H36           | 014905-56-7 | 72   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP041625\  
Data File : BP024314.D  
Acq On : 16 Apr 2025 16:35  
Operator : RC/JU  
Sample : Q1791-09  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
VB16193

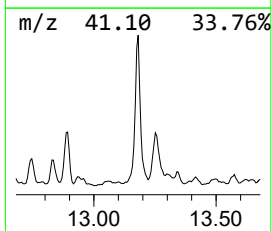
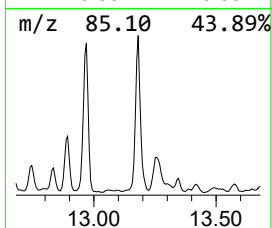
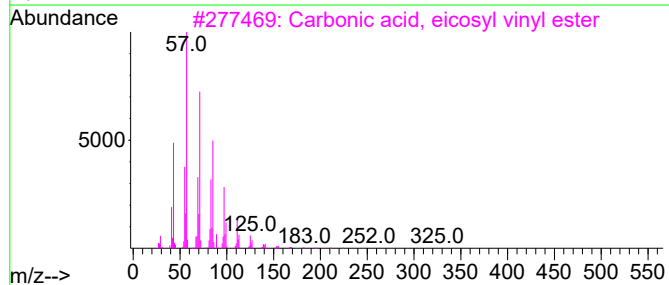
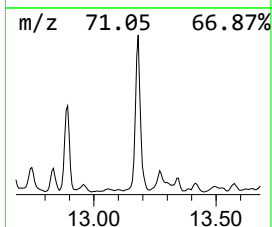
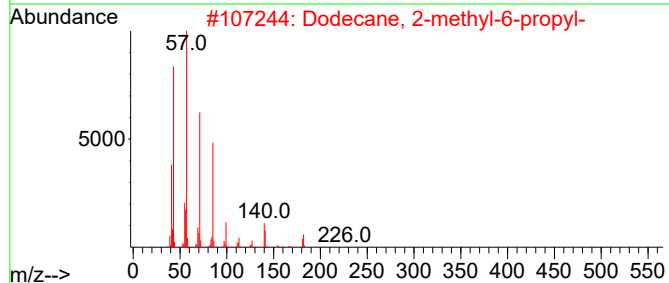
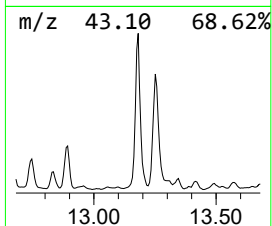
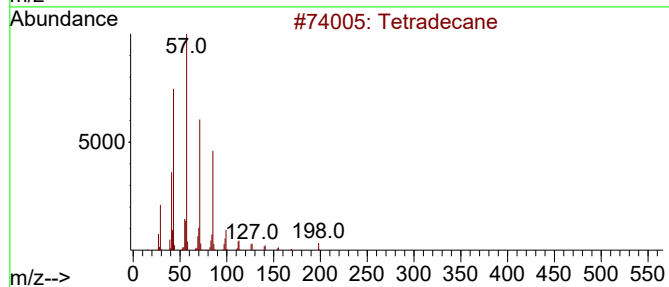
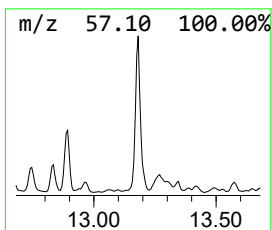
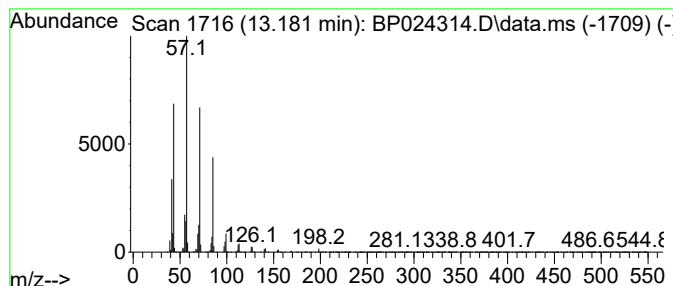
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 9 Tetradecane Concentration Rank 5

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 13.181 | 14.23 ng | 2576610 | Acenaphthene-d10 | 14.357 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm  | CAS#         | Qual |
|------|----|---|------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Tetradecane                        | 198 | C14H30   | 000629-59-4  | 91   |
| 2    |    |   | Dodecane, 2-methyl-6-propyl-       | 226 | C16H34   | 055045-08-4  | 86   |
| 3    |    |   | Carbonic acid, eicosyl vinyl ester | 368 | C23H44O3 | 1000382-54-3 | 86   |
| 4    |    |   | Hexadecane                         | 226 | C16H34   | 000544-76-3  | 72   |
| 5    |    |   | Dodecane, 2-methyl-                | 184 | C13H28   | 001560-97-0  | 72   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP041625\  
Data File : BP024314.D  
Acq On : 16 Apr 2025 16:35  
Operator : RC/JU  
Sample : Q1791-09  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
VB16193

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP041425.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

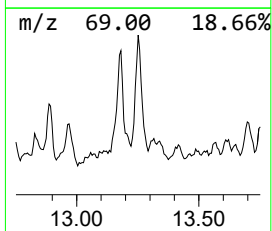
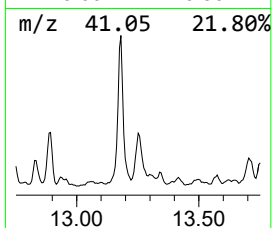
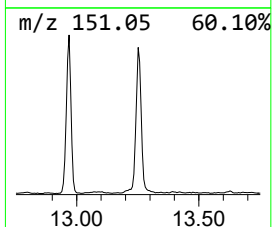
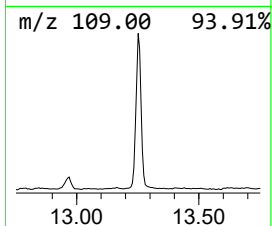
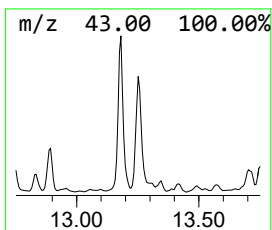
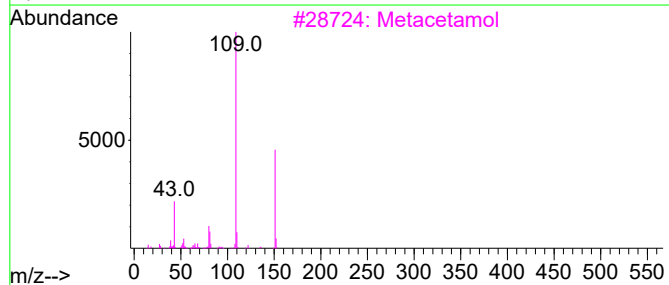
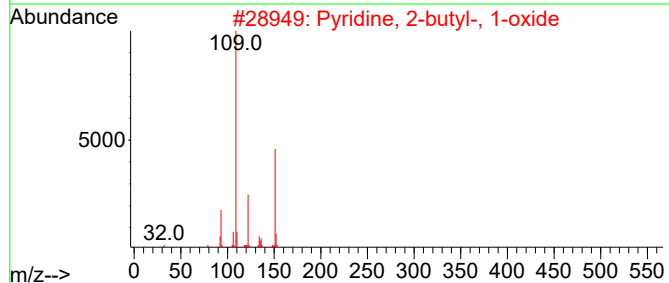
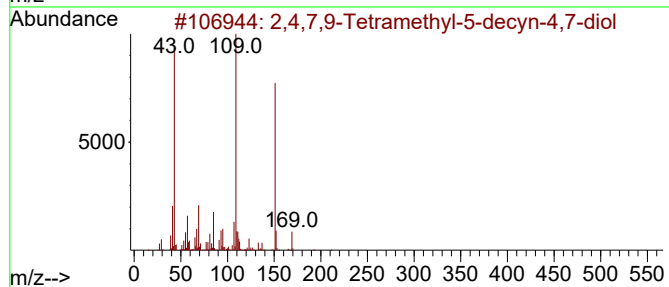
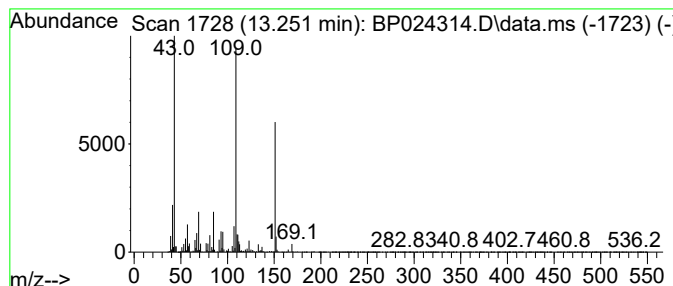
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TIC Integration Parameters: LSCINT.P

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Peak Number 10 2,4,7,9-Tetramethyl-5-decyn... Concentration Rank 13

| R.T.   | EstConc | Area    | Relative to ISTD | R.T.   |
|--------|---------|---------|------------------|--------|
| 13.251 | 9.20 ng | 1665920 | Acenaphthene-d10 | 14.357 |

| Hit# | of                                  | 5   | Tentative ID | MW           | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|--------------|---------|------|------|
| 1    | 2,4,7,9-Tetramethyl-5-decyn-4,7-... | 226 | C14H26O2     | 000126-86-3  | 91      |      |      |
| 2    | Pyridine, 2-butyl-, 1-oxide         | 151 | C9H13NO      | 031396-32-4  | 59      |      |      |
| 3    | Metacetamol                         | 151 | C8H9NO2      | 000621-42-1  | 53      |      |      |
| 4    | N-Cyclopropyl-p-fluorobenzylamine   | 165 | C10H12FN     | 1000250-88-9 | 47      |      |      |
| 5    | 3-Pyridinol, 4-methyl-, acetate ... | 151 | C8H9NO2      | 001006-96-8  | 42      |      |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP041625\  
Data File : BP024314.D  
Acq On : 16 Apr 2025 16:35  
Operator : RC/JU  
Sample : Q1791-09  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
VB16193

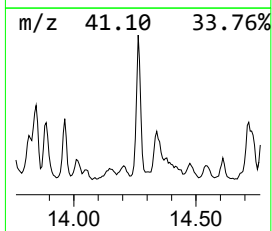
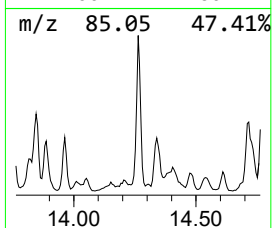
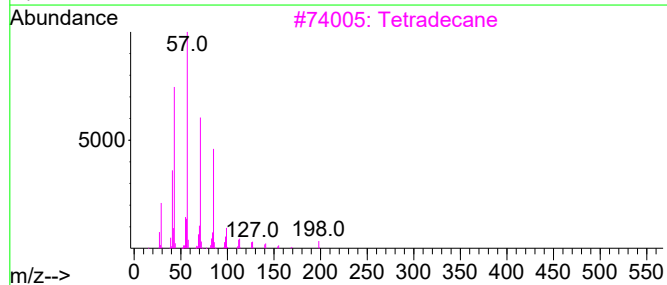
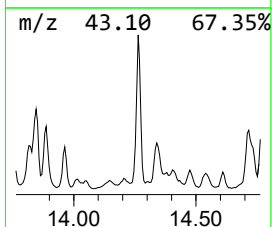
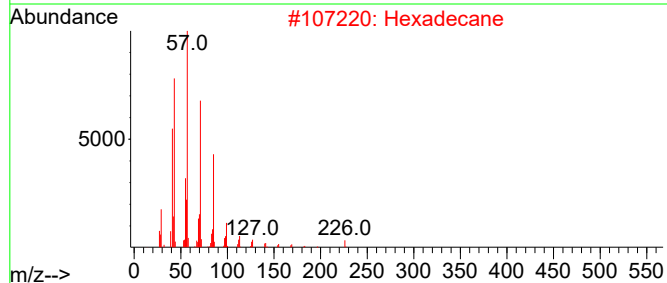
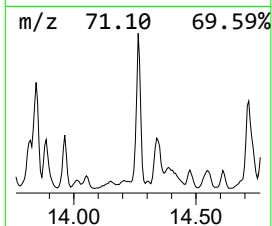
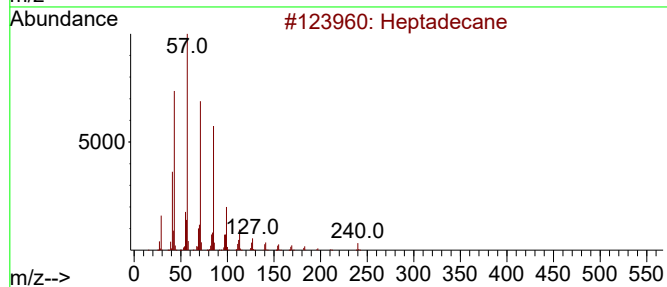
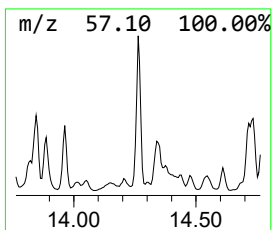
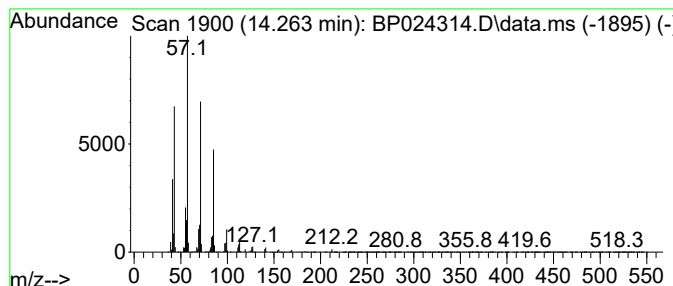
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 11 Heptadecane Concentration Rank 18

| R.T.   | EstConc | Area    | Relative to ISTD | R.T.   |
|--------|---------|---------|------------------|--------|
| 14.263 | 7.37 ng | 1334670 | Acenaphthene-d10 | 14.357 |

| Hit# | of | 5 | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------|-----|---------|-------------|------|
| 1    |    |   | Heptadecane                  | 240 | C17H36  | 000629-78-7 | 90   |
| 2    |    |   | Hexadecane                   | 226 | C16H34  | 000544-76-3 | 90   |
| 3    |    |   | Tetradecane                  | 198 | C14H30  | 000629-59-4 | 90   |
| 4    |    |   | Decane, 2,3,5-trimethyl-     | 184 | C13H28  | 062238-11-3 | 86   |
| 5    |    |   | Dodecane, 2-methyl-6-propyl- | 226 | C16H34  | 055045-08-4 | 86   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP041625\  
Data File : BP024314.D  
Acq On : 16 Apr 2025 16:35  
Operator : RC/JU  
Sample : Q1791-09  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

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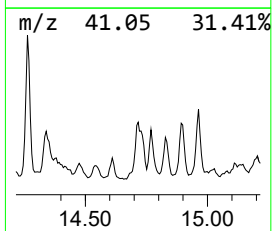
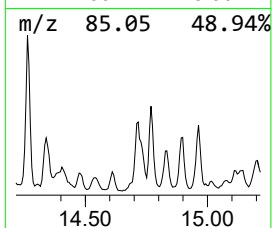
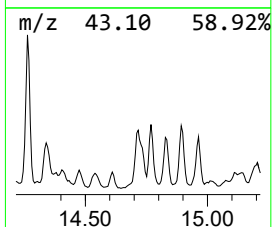
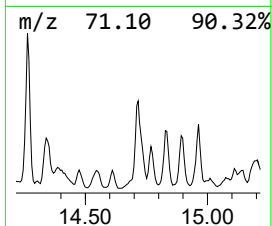
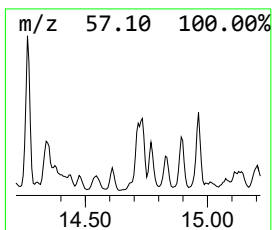
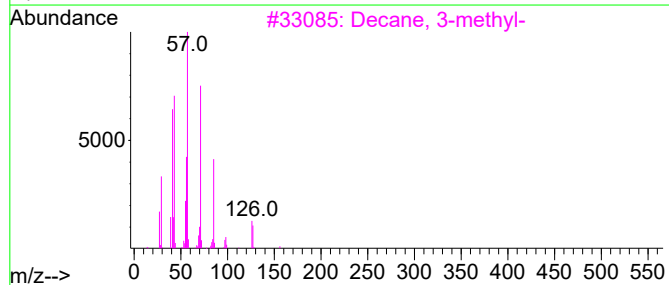
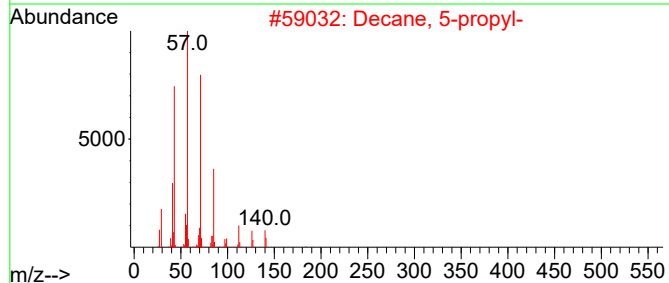
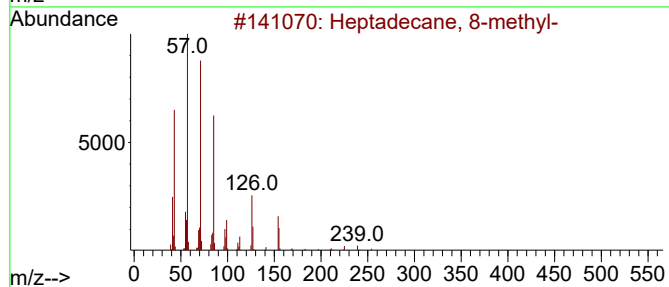
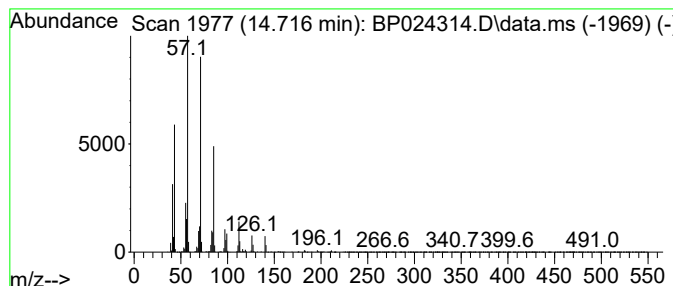
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 12 Decane, 5-propyl- Concentration Rank 20

| R.T.   | EstConc | Area    | Relative to ISTD | R.T.   |
|--------|---------|---------|------------------|--------|
| 14.716 | 6.39 ng | 1157120 | Acenaphthene-d10 | 14.357 |

| Hit# | of 5 | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|------|------------------------|-----|---------|-------------|------|
| 1    |      | Heptadecane, 8-methyl- | 254 | C18H38  | 013287-23-5 | 86   |
| 2    |      | Decane, 5-propyl-      | 184 | C13H28  | 017312-62-8 | 83   |
| 3    |      | Decane, 3-methyl-      | 156 | C11H24  | 013151-34-3 | 80   |
| 4    |      | Undecane, 5-methyl-    | 170 | C12H26  | 001632-70-8 | 72   |
| 5    |      | Nonane, 2,3-dimethyl-  | 156 | C11H24  | 002884-06-2 | 64   |





Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP041625\  
Data File : BP024314.D  
Acq On : 16 Apr 2025 16:35  
Operator : RC/JU  
Sample : Q1791-09  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
VB16193

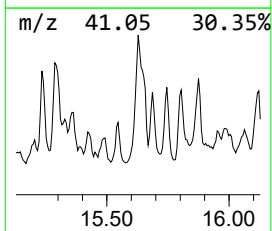
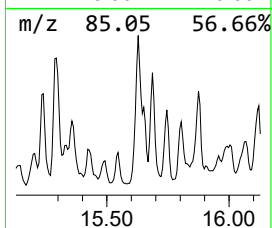
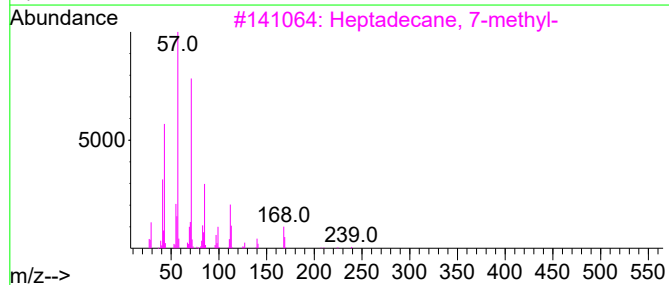
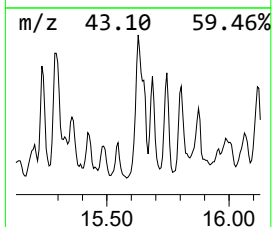
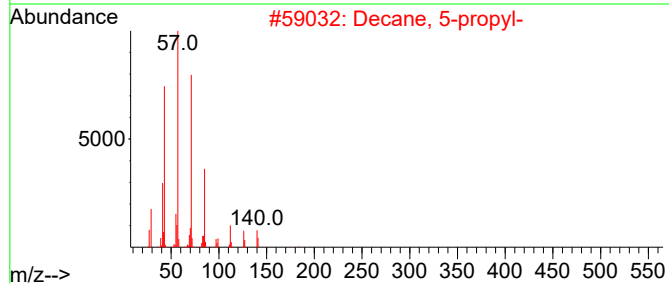
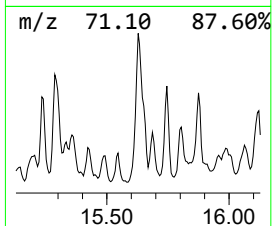
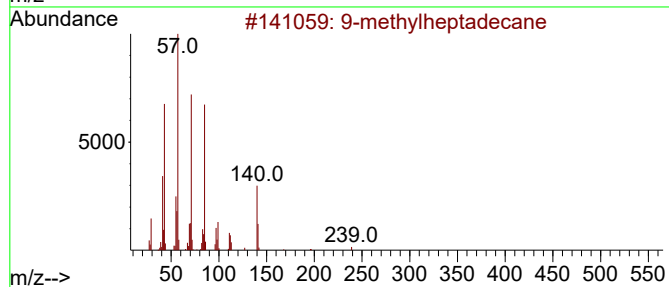
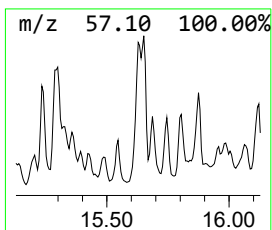
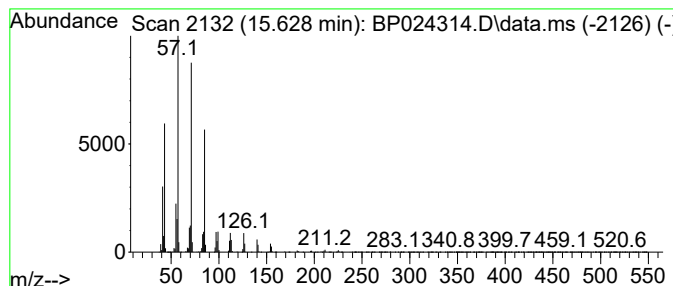
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 13 9-methylheptadecane Concentration Rank 17

| R.T.   | EstConc | Area    | Relative to ISTD | R.T.   |
|--------|---------|---------|------------------|--------|
| 15.628 | 7.57 ng | 1370340 | Acenaphthene-d10 | 14.357 |

| Hit# | of | 5 | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------|-----|---------|-------------|------|
| 1    |    |   | 9-methylheptadecane    | 254 | C18H38  | 026741-18-4 | 90   |
| 2    |    |   | Decane, 5-propyl-      | 184 | C13H28  | 017312-62-8 | 86   |
| 3    |    |   | Heptadecane, 7-methyl- | 254 | C18H38  | 020959-33-5 | 80   |
| 4    |    |   | Tetradecane, 1-iodo-   | 324 | C14H29I | 019218-94-1 | 72   |
| 5    |    |   | Tridecane, 7-propyl-   | 226 | C16H34  | 055045-09-5 | 64   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP041625\  
Data File : BP024314.D  
Acq On : 16 Apr 2025 16:35  
Operator : RC/JU  
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Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
VB16193

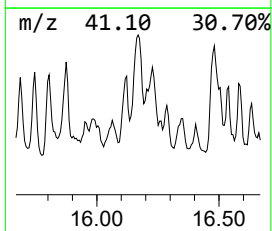
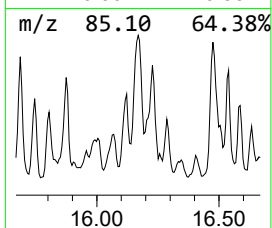
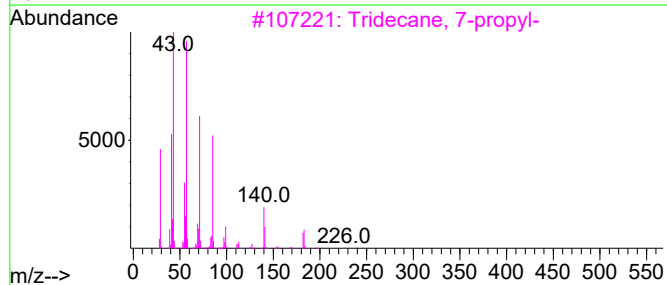
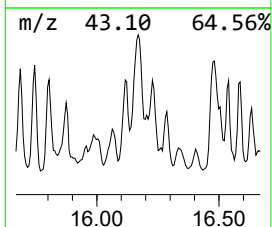
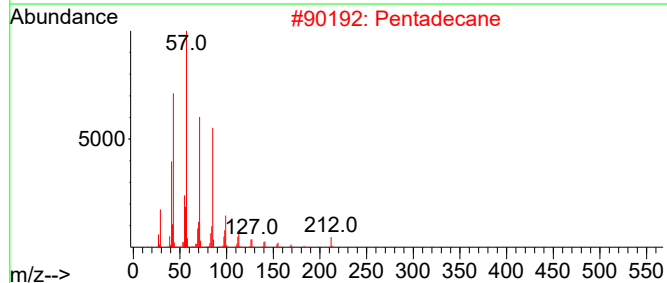
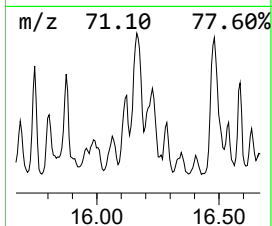
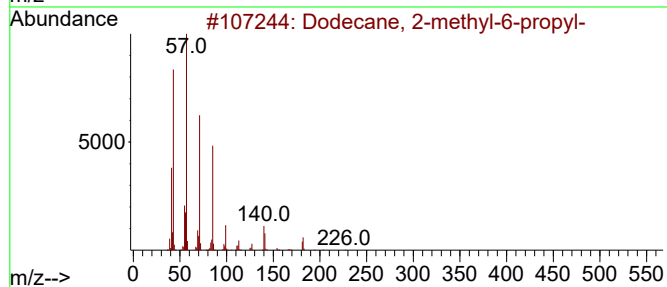
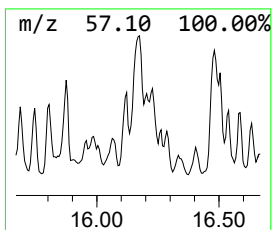
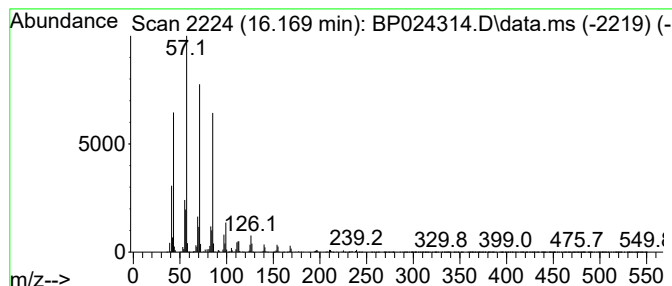
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 14 Dodecane, 2-methyl-6-propyl- Concentration Rank 15

| R.T.      | EstConc                      | Area    | Relative to ISTD |          | R.T.        |      |
|-----------|------------------------------|---------|------------------|----------|-------------|------|
| 16.169    | 8.83 ng                      | 1333670 | Phenanthrene-d10 |          | 17.169      |      |
| Hit# of 5 | Tentative ID                 |         | MW               | MolForm  | CAS#        | Qual |
| 1         | Dodecane, 2-methyl-6-propyl- |         | 226              | C16H34   | 055045-08-4 | 91   |
| 2         | Pentadecane                  |         | 212              | C15H32   | 000629-62-9 | 90   |
| 3         | Tridecane, 7-propyl-         |         | 226              | C16H34   | 055045-09-5 | 86   |
| 4         | Nonadecane                   |         | 268              | C19H40   | 000629-92-5 | 86   |
| 5         | 2-Bromo dodecane             |         | 248              | C12H25Br | 013187-99-0 | 72   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP041625\  
Data File : BP024314.D  
Acq On : 16 Apr 2025 16:35  
Operator : RC/JU  
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Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
VB16193

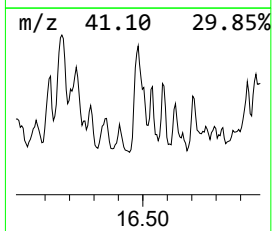
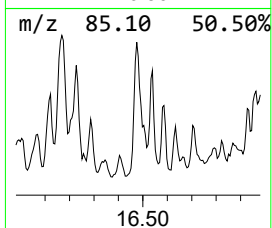
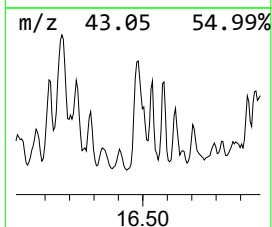
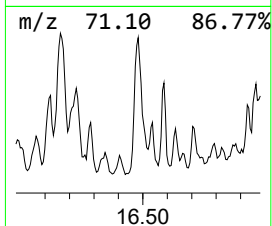
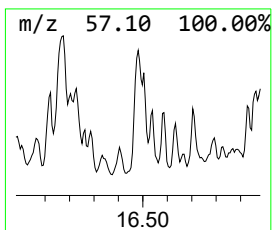
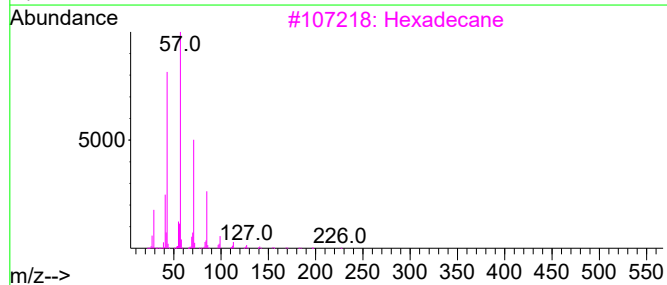
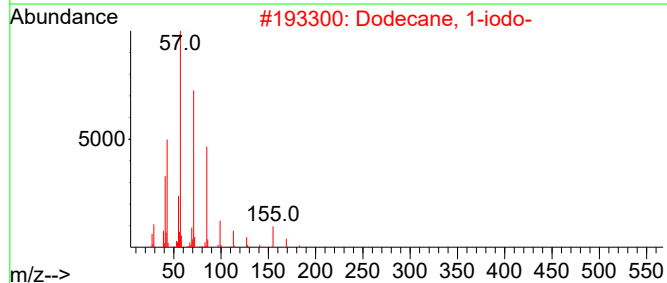
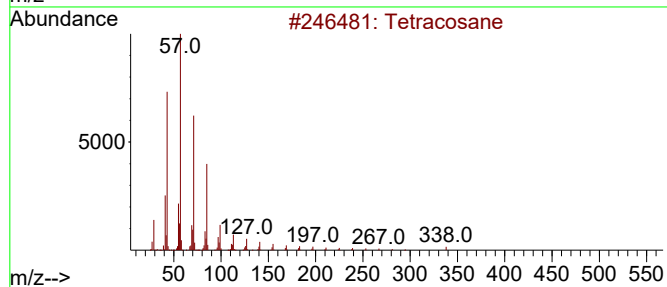
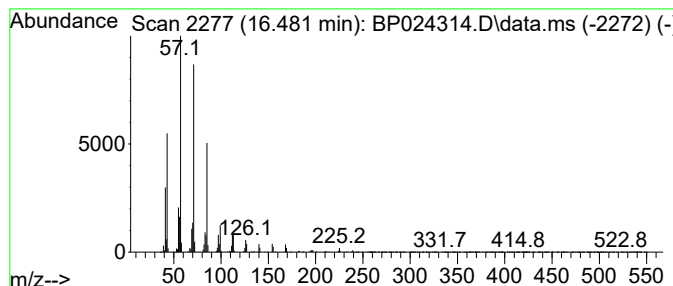
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 15 Tetracosane Concentration Rank 12

| R.T.      | EstConc           | Area    | Relative to ISTD |          | R.T.        |      |
|-----------|-------------------|---------|------------------|----------|-------------|------|
| 16.481    | 9.28 ng           | 1402240 | Phenanthrene-d10 |          | 17.169      |      |
| Hit# of 5 | Tentative ID      |         | MW               | MolForm  | CAS#        | Qual |
| 1         | Tetracosane       |         | 338              | C24H50   | 000646-31-1 | 80   |
| 2         | Dodecane, 1-iodo- |         | 296              | C12H25I  | 004292-19-7 | 80   |
| 3         | Hexadecane        |         | 226              | C16H34   | 000544-76-3 | 76   |
| 4         | Heptacosane       |         | 380              | C27H56   | 000593-49-7 | 64   |
| 5         | 2-Bromo dodecane  |         | 248              | C12H25Br | 013187-99-0 | 62   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP041625\  
Data File : BP024314.D  
Acq On : 16 Apr 2025 16:35  
Operator : RC/JU  
Sample : Q1791-09  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
VB16193

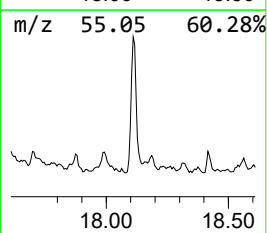
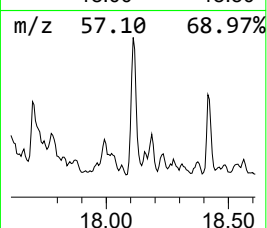
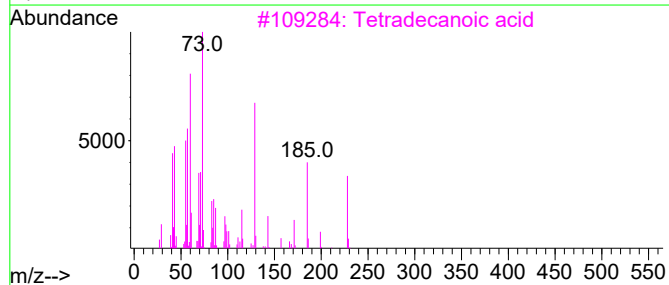
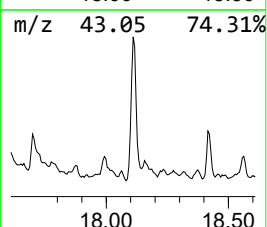
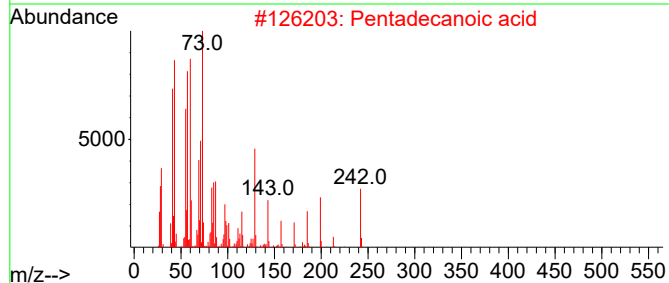
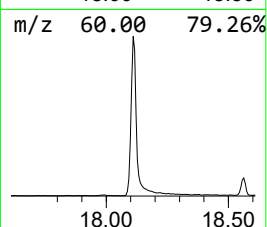
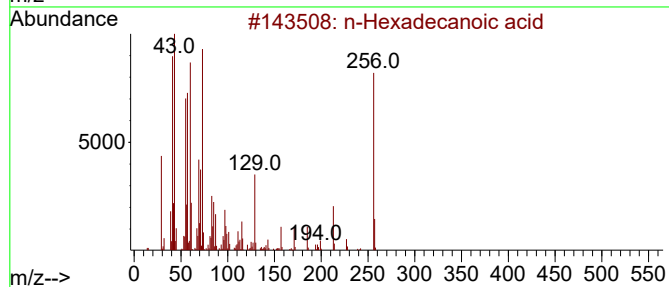
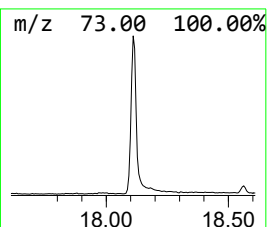
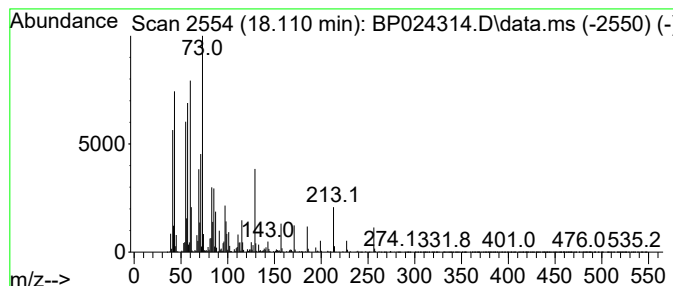
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 16 n-Hexadecanoic acid Concentration Rank 6

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 18.110 | 12.39 ng | 1870740 | Phenanthrene-d10 | 17.169 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------|-----|----------|-------------|------|
| 1    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99   |
| 2    |    |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 93   |
| 3    |    |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 90   |
| 4    |    |   | n-Decanoic acid     | 172 | C10H20O2 | 000334-48-5 | 70   |
| 5    |    |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 68   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP041625\  
Data File : BP024314.D  
Acq On : 16 Apr 2025 16:35  
Operator : RC/JU  
Sample : Q1791-09  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
VB16193

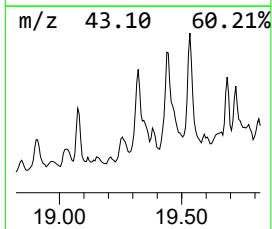
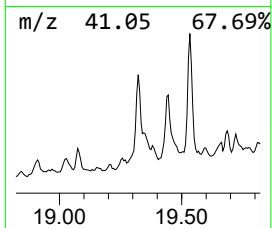
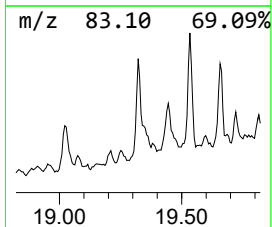
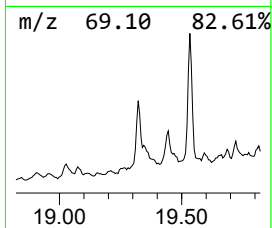
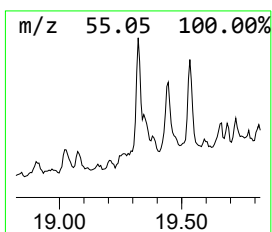
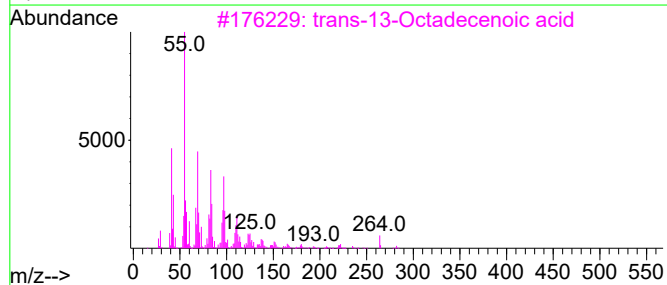
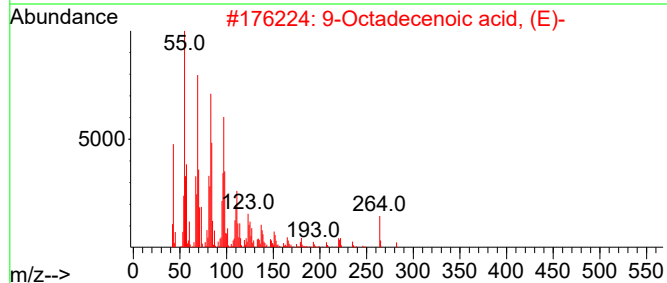
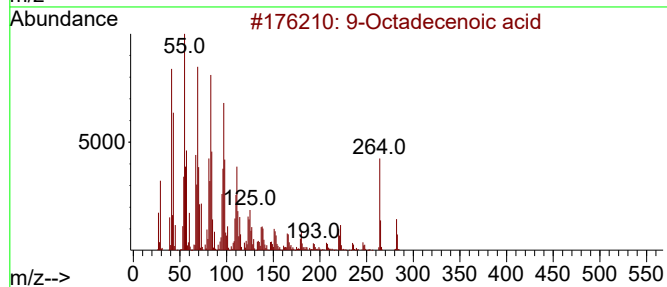
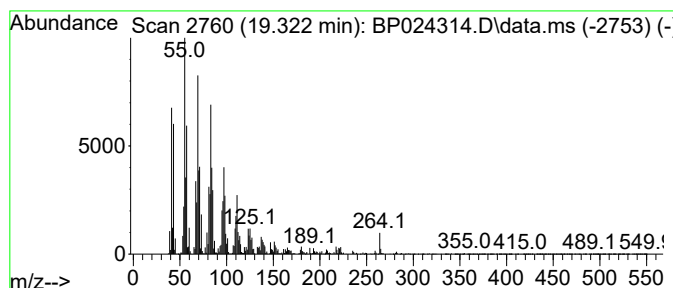
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 17 9-Octadecenoic acid Concentration Rank 7

| R.T.      | EstConc                    | Area    | Relative to ISTD | R.T.        |      |
|-----------|----------------------------|---------|------------------|-------------|------|
| 19.322    | 12.38 ng                   | 1869120 | Phenanthrene-d10 | 17.169      |      |
| Hit# of 5 | Tentative ID               | MW      | MolForm          | CAS#        | Qual |
| 1         | 9-Octadecenoic acid        | 282     | C18H34O2         | 002027-47-6 | 99   |
| 2         | 9-Octadecenoic acid, (E)-  | 282     | C18H34O2         | 000112-79-8 | 96   |
| 3         | trans-13-Octadecenoic acid | 282     | C18H34O2         | 000693-71-0 | 95   |
| 4         | cis-Vaccenic acid          | 282     | C18H34O2         | 000506-17-2 | 95   |
| 5         | cis-13-Octadecenoic acid   | 282     | C18H34O2         | 013126-39-1 | 92   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP041625\  
Data File : BP024314.D  
Acq On : 16 Apr 2025 16:35  
Operator : RC/JU  
Sample : Q1791-09  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

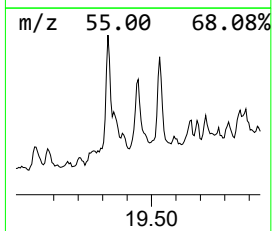
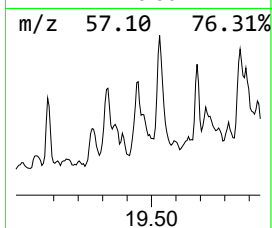
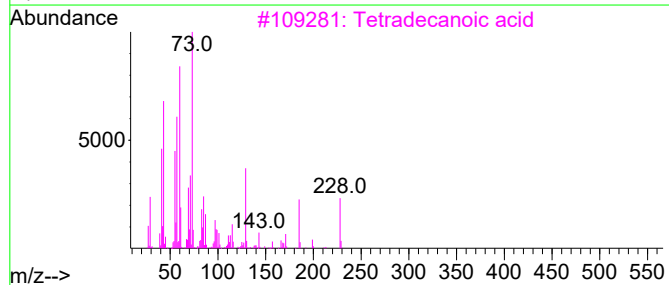
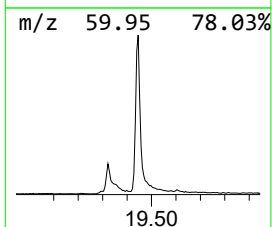
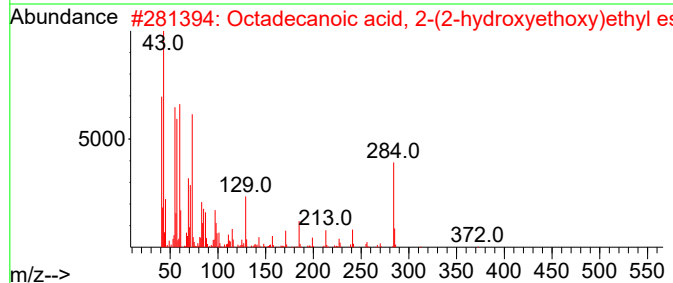
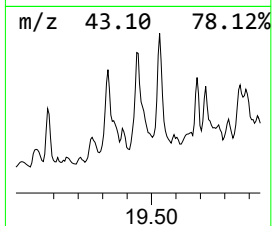
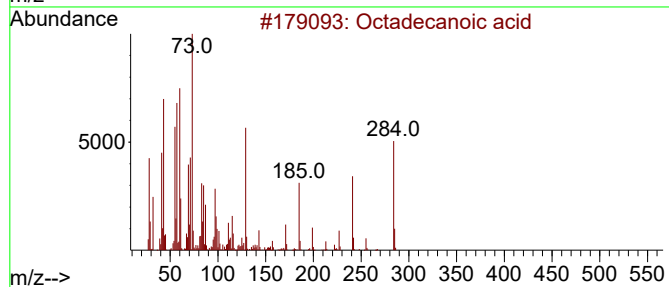
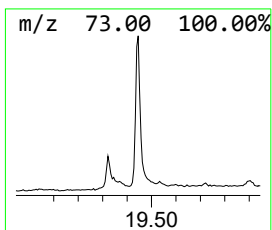
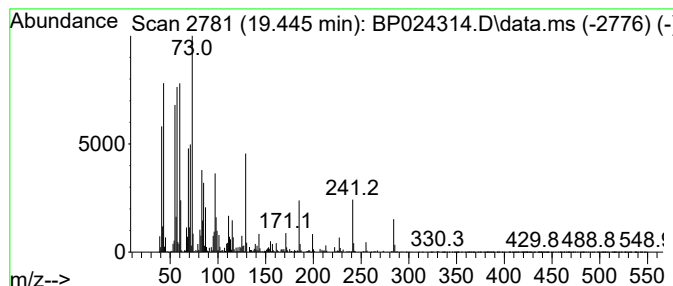
Instrument :  
BNA\_P  
ClientSampleId :  
VB16193

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP041425.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 Octadecanoic acid Concentration Rank 10

| R.T.      | EstConc                             | Area    | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|---------|------------------|-------------|------|
| 19.445    | 10.11 ng                            | 1581220 | Chrysene-d12     | 21.610      |      |
| Hit# of 5 | Tentative ID                        | MW      | MolForm          | CAS#        | Qual |
| 1         | Octadecanoic acid                   | 284     | C18H36O2         | 000057-11-4 | 99   |
| 2         | Octadecanoic acid, 2-(2-hydroxye... | 372     | C22H44O4         | 000106-11-6 | 80   |
| 3         | Tetradecanoic acid                  | 228     | C14H28O2         | 000544-63-8 | 74   |
| 4         | Pentadecanoic acid                  | 242     | C15H30O2         | 001002-84-2 | 72   |
| 5         | Tridecanoic acid                    | 214     | C13H26O2         | 000638-53-9 | 68   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP041625\  
Data File : BP024314.D  
Acq On : 16 Apr 2025 16:35  
Operator : RC/JU  
Sample : Q1791-09  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
VB16193

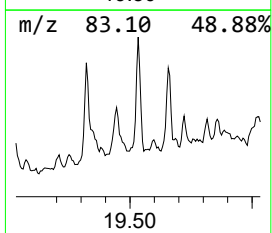
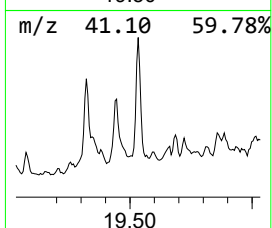
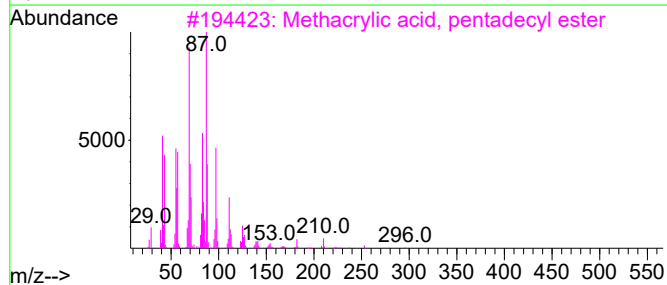
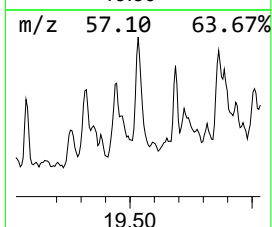
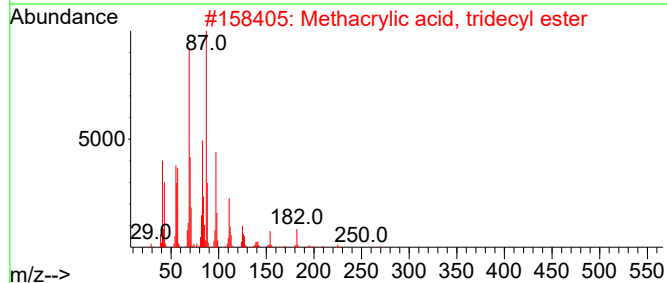
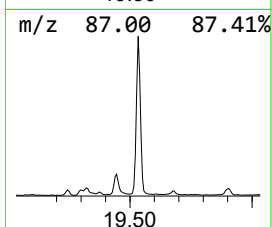
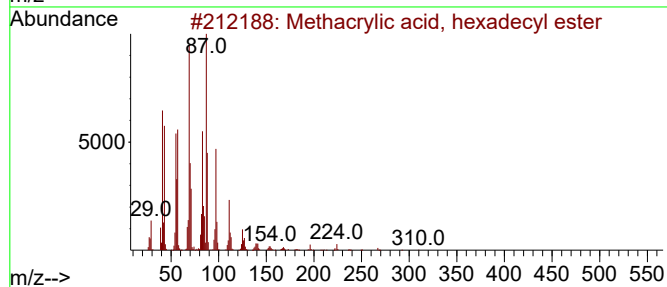
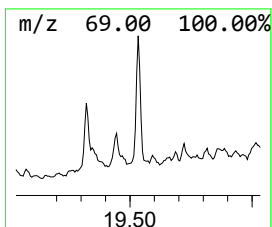
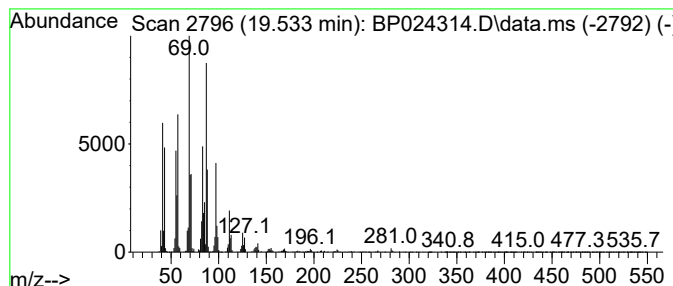
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 19 Methacrylic acid, hexadecyl... Concentration Rank 8

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 19.533 | 11.05 ng | 1728080 | Chrysene-d12     | 21.610 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm  | CAS#         | Qual |
|------|----|---|------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Methacrylic acid, hexadecyl ester  | 310 | C20H38O2 | 1000340-29-2 | 94   |
| 2    |    |   | Methacrylic acid, tridecyl ester   | 268 | C17H32O2 | 1000340-28-9 | 91   |
| 3    |    |   | Methacrylic acid, pentadecyl ester | 296 | C19H36O2 | 1000340-29-1 | 90   |
| 4    |    |   | Methacrylic acid, tetradecyl ester | 282 | C18H34O2 | 1000340-29-0 | 80   |
| 5    |    |   | Methacrylic acid, heptadecyl ester | 324 | C21H40O2 | 1010340-29-3 | 68   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP041625\  
Data File : BP024314.D  
Acq On : 16 Apr 2025 16:35  
Operator : RC/JU  
Sample : Q1791-09  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
VB16193

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP041425.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

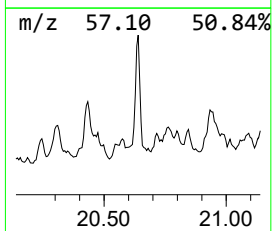
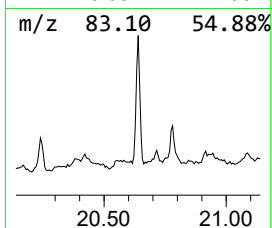
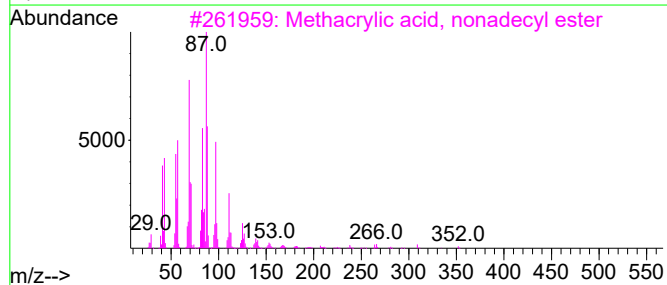
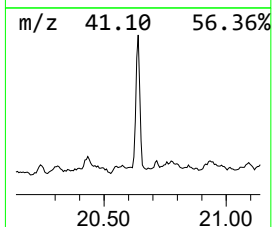
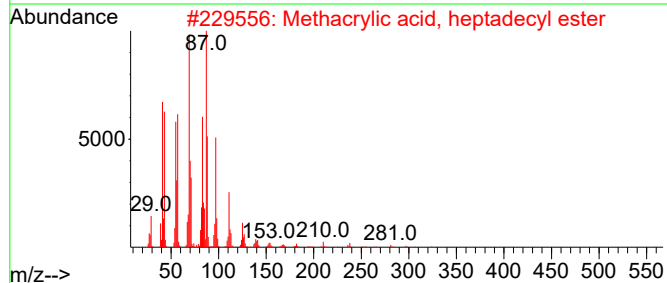
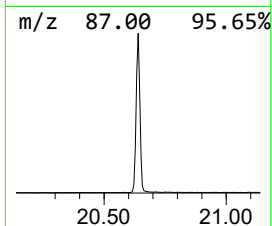
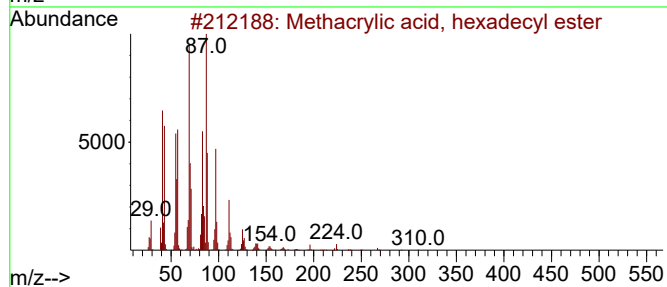
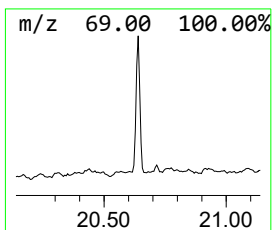
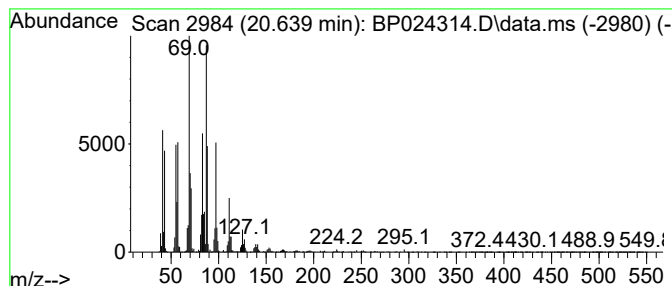
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 20 Methacrylic acid, heptadecy... Concentration Rank 1

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 20.639 | 25.84 ng | 4039920 | Chrysene-d12     | 21.610 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|------|-------------------------------------|-----|-------------|--------------|------|
| 1    |      | Methacrylic acid, hexadecyl ester   | 310 | C20H38O2    | 1000340-29-2 | 91   |
| 2    |      | Methacrylic acid, heptadecyl ester  | 324 | C21H40O2    | 1010340-29-3 | 91   |
| 3    |      | Methacrylic acid, nonadecyl ester   | 352 | C23H44O2    | 1000340-29-5 | 81   |
| 4    |      | 1-Nonadecene                        | 266 | C19H38      | 018435-45-5  | 74   |
| 5    |      | Dichloroacetic acid, heptadecyl ... | 366 | C19H36Cl2O2 | 1000282-98-2 | 42   |





Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP041625\  
Data File : BP024314.D  
Acq On : 16 Apr 2025 16:35  
Operator : RC/JU  
Sample : Q1791-09  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
VB16193

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP041425.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 |
| 2-Pentanone, 4-... | 4.893  | 9.3     | ng    | 1864540  | 1                     | 7.728  | 4008760 | 20.0 |
| Heptadecane, 8-... | 7.958  | 18.9    | ng    | 3777780  | 1                     | 7.728  | 4008760 | 20.0 |
| Hexane, 2,2,5-t... | 8.269  | 14.3    | ng    | 2866020  | 1                     | 7.728  | 4008760 | 20.0 |
| Undecane, 2,9-d... | 8.399  | 16.9    | ng    | 3389020  | 1                     | 7.728  | 4008760 | 20.0 |
| Oxalic acid, he... | 8.599  | 10.5    | ng    | 2105260  | 1                     | 7.728  | 4008760 | 20.0 |
| Tridecane, 3-me... | 9.293  | 7.0     | ng    | 962049   | 2                     | 10.499 | 2765680 | 20.0 |
| Sulfurous acid,... | 9.916  | 8.6     | ng    | 1182630  | 2                     | 10.499 | 2765680 | 20.0 |
| Tridecane          | 11.922 | 9.2     | ng    | 1266540  | 2                     | 10.499 | 2765680 | 20.0 |
| Tetradecane        | 13.181 | 14.2    | ng    | 2576610  | 3                     | 14.357 | 3622200 | 20.0 |
| 2,4,7,9-Tetrame... | 13.251 | 9.2     | ng    | 1665920  | 3                     | 14.357 | 3622200 | 20.0 |
| Heptadecane        | 14.263 | 7.4     | ng    | 1334670  | 3                     | 14.357 | 3622200 | 20.0 |
| Decane, 5-propyl-  | 14.716 | 6.4     | ng    | 1157120  | 3                     | 14.357 | 3622200 | 20.0 |
| 9-methylheptade... | 15.628 | 7.6     | ng    | 1370340  | 3                     | 14.357 | 3622200 | 20.0 |
| Dodecane, 2-met... | 16.169 | 8.8     | ng    | 1333670  | 4                     | 17.169 | 3020500 | 20.0 |
| Tetracosane        | 16.481 | 9.3     | ng    | 1402240  | 4                     | 17.169 | 3020500 | 20.0 |
| n-Hexadecanoic ... | 18.110 | 12.4    | ng    | 1870740  | 4                     | 17.169 | 3020500 | 20.0 |
| 9-Octadecenoic ... | 19.322 | 12.4    | ng    | 1869120  | 4                     | 17.169 | 3020500 | 20.0 |
| Octadecanoic acid  | 19.445 | 10.1    | ng    | 1581220  | 5                     | 21.610 | 3126900 | 20.0 |
| Methacrylic aci... | 19.533 | 11.1    | ng    | 1728080  | 5                     | 21.610 | 3126900 | 20.0 |
| Methacrylic aci... | 20.639 | 25.8    | ng    | 4039920  | 5                     | 21.610 | 3126900 | 20.0 |