

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG020923\  
 Data File : BG056599.D  
 Acq On : 9 Feb 2023 16:11  
 Operator : CG/JU  
 Sample : 01483-01  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TOPSOIL

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-BG012723.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG056599.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         | 5.295       | 333           | 341         | 350          | rBB      | 51174          | 81292         | 2.44%           | 0.346%        |
| 2         | 5.782       | 418           | 424         | 436          | rBV      | 171775         | 291464        | 8.75%           | 1.239%        |
| 3         | 7.416       | 695           | 702         | 715          | rBV      | 183386         | 328793        | 9.87%           | 1.398%        |
| 4         | 8.262       | 839           | 846         | 853          | rBB      | 111579         | 183387        | 5.50%           | 0.780%        |
| 5         | 9.437       | 1038          | 1046        | 1055         | rBV      | 126985         | 228568        | 6.86%           | 0.972%        |
| 6         | 11.094      | 1319          | 1328        | 1340         | rVB      | 146516         | 273451        | 8.21%           | 1.163%        |
| 7         | 13.509      | 1732          | 1739        | 1748         | rVB      | 492210         | 772335        | 23.18%          | 3.284%        |
| 8         | 14.202      | 1852          | 1857        | 1862         | rVV2     | 41220          | 65071         | 1.95%           | 0.277%        |
| 9         | 14.396      | 1883          | 1890        | 1895         | rBV6     | 22964          | 46281         | 1.39%           | 0.197%        |
| 10        | 14.884      | 1962          | 1973        | 1978         | rBV      | 267659         | 445319        | 13.36%          | 1.894%        |
| 11        | 14.936      | 1978          | 1982        | 1988         | rVV4     | 33675          | 63844         | 1.92%           | 0.271%        |
| 12        | 15.113      | 2001          | 2012        | 2017         | rBV3     | 59129          | 119694        | 3.59%           | 0.509%        |
| 13        | 15.271      | 2035          | 2039        | 2045         | rVB2     | 20712          | 38034         | 1.14%           | 0.162%        |
| 14        | 15.683      | 2104          | 2109        | 2113         | rBV2     | 24323          | 35139         | 1.05%           | 0.149%        |
| 15        | 15.923      | 2145          | 2150        | 2155         | rBV2     | 20966          | 36829         | 1.11%           | 0.157%        |
| 16        | 16.094      | 2174          | 2179        | 2183         | rVV6     | 24009          | 39739         | 1.19%           | 0.169%        |
| 17        | 16.223      | 2195          | 2201        | 2210         | rVB2     | 52263          | 103860        | 3.12%           | 0.442%        |
| 18        | 16.311      | 2210          | 2216        | 2221         | rVB8     | 19841          | 50584         | 1.52%           | 0.215%        |
| 19        | 16.370      | 2221          | 2226        | 2232         | rVB      | 275233         | 408064        | 12.25%          | 1.735%        |
| 20        | 16.570      | 2257          | 2260        | 2273         | rVB5     | 41811          | 90289         | 2.71%           | 0.384%        |
| 21        | 17.328      | 2386          | 2389        | 2395         | rVV4     | 27407          | 40970         | 1.23%           | 0.174%        |
| 22        | 17.621      | 2433          | 2439        | 2443         | rVV2     | 585496         | 930055        | 27.91%          | 3.955%        |
| 23        | 17.663      | 2443          | 2446        | 2452         | rVB      | 192240         | 287975        | 8.64%           | 1.225%        |
| 24        | 17.792      | 2465          | 2468        | 2473         | rVV      | 106794         | 172191        | 5.17%           | 0.732%        |
| 25        | 17.839      | 2474          | 2476        | 2483         | rVB2     | 54744          | 76056         | 2.28%           | 0.323%        |
| 26        | 17.939      | 2488          | 2493        | 2503         | rVB      | 260884         | 374897        | 11.25%          | 1.594%        |
| 27        | 18.068      | 2512          | 2515        | 2523         | rVB2     | 31567          | 46194         | 1.39%           | 0.196%        |
| 28        | 18.415      | 2570          | 2574        | 2577         | rBV      | 121816         | 148825        | 4.47%           | 0.633%        |
| 29        | 18.485      | 2581          | 2586        | 2592         | rVV2     | 250435         | 427448        | 12.83%          | 1.818%        |
| 30        | 18.691      | 2616          | 2621        | 2629         | rVB4     | 21465          | 47439         | 1.42%           | 0.202%        |
| 31        | 18.814      | 2638          | 2642        | 2649         | rVB4     | 146725         | 205574        | 6.17%           | 0.874%        |
| 32        | 19.120      | 2690          | 2694        | 2700         | rBV8     | 28238          | 48444         | 1.45%           | 0.206%        |
| 33        | 19.178      | 2700          | 2704        | 2715         | rVB8     | 31872          | 81127         | 2.43%           | 0.345%        |
| 34        | 19.372      | 2732          | 2737        | 2739         | rBV2     | 64731          | 95806         | 2.88%           | 0.407%        |
| 35        | 19.396      | 2739          | 2741        | 2746         | rVB3     | 50826          | 68358         | 2.05%           | 0.291%        |
| 36        | 19.443      | 2746          | 2749        | 2753         | rVB2     | 51901          | 64827         | 1.95%           | 0.276%        |

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 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TOPSOIL

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-BG012723.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |        |         |         |         |
|----|--------|------|------|------|------|--------|---------|---------|---------|
| 37 | 19.502 | 2753 | 2759 | 2761 | rBV5 | 48904  | 106969  | 3.21%   | 0.455%  |
| 38 | 19.602 | 2771 | 2776 | 2778 | rBV3 | 164762 | 267591  | 8.03%   | 1.138%  |
| 39 | 19.660 | 2782 | 2786 | 2795 | rVV  | 344072 | 659495  | 19.79%  | 2.804%  |
| 40 | 19.737 | 2796 | 2799 | 2807 | rVB7 | 95349  | 170844  | 5.13%   | 0.726%  |
| 41 | 19.942 | 2831 | 2834 | 2837 | rVB3 | 51631  | 58660   | 1.76%   | 0.249%  |
| 42 | 20.019 | 2838 | 2847 | 2853 | rVB  | 246412 | 439614  | 13.19%  | 1.869%  |
| 43 | 20.201 | 2872 | 2878 | 2883 | rBV  | 864533 | 1174992 | 35.26%  | 4.996%  |
| 44 | 20.465 | 2920 | 2923 | 2927 | rBV  | 126909 | 178230  | 5.35%   | 0.758%  |
| 45 | 20.812 | 2979 | 2982 | 2984 | rBV4 | 91717  | 111784  | 3.35%   | 0.475%  |
| 46 | 20.835 | 2984 | 2986 | 2993 | rVB2 | 254305 | 313095  | 9.40%   | 1.331%  |
| 47 | 20.965 | 3005 | 3008 | 3020 | rVB2 | 121495 | 195744  | 5.87%   | 0.832%  |
| 48 | 21.488 | 3094 | 3097 | 3101 | rVB2 | 141316 | 149060  | 4.47%   | 0.634%  |
| 49 | 21.723 | 3133 | 3137 | 3149 | rBV2 | 82288  | 205643  | 6.17%   | 0.874%  |
| 50 | 21.911 | 3162 | 3169 | 3175 | rBV2 | 352715 | 747826  | 22.44%  | 3.180%  |
| 51 | 21.963 | 3175 | 3178 | 3183 | rVB  | 94953  | 141285  | 4.24%   | 0.601%  |
| 52 | 22.052 | 3190 | 3193 | 3199 | rVB  | 113369 | 172198  | 5.17%   | 0.732%  |
| 53 | 22.686 | 3296 | 3301 | 3307 | rVB  | 241071 | 422527  | 12.68%  | 1.797%  |
| 54 | 23.415 | 3420 | 3425 | 3435 | rVB  | 95668  | 207235  | 6.22%   | 0.881%  |
| 55 | 23.620 | 3454 | 3460 | 3469 | rVB  | 228880 | 491732  | 14.76%  | 2.091%  |
| 56 | 24.267 | 3561 | 3570 | 3584 | rVB2 | 695526 | 1817076 | 54.53%  | 7.727%  |
| 57 | 24.942 | 3681 | 3685 | 3692 | rBV9 | 32719  | 71805   | 2.16%   | 0.305%  |
| 58 | 25.166 | 3720 | 3723 | 3732 | rVB3 | 50578  | 115267  | 3.46%   | 0.490%  |
| 59 | 25.336 | 3745 | 3752 | 3773 | rVB2 | 184694 | 741164  | 22.24%  | 3.152%  |
| 60 | 25.559 | 3781 | 3790 | 3809 | rBV5 | 351067 | 1208833 | 36.28%  | 5.140%  |
| 61 | 26.470 | 3934 | 3945 | 3957 | rVB  | 577166 | 2037714 | 61.16%  | 8.665%  |
| 62 | 27.251 | 4066 | 4078 | 4103 | rVB2 | 856972 | 3331987 | 100.00% | 14.169% |
| 63 | 30.171 | 4566 | 4575 | 4597 | rVB8 | 156518 | 761062  | 22.84%  | 3.236%  |
| 64 | 32.586 | 4976 | 4986 | 4987 | rBV7 | 150690 | 398706  | 11.97%  | 1.695%  |

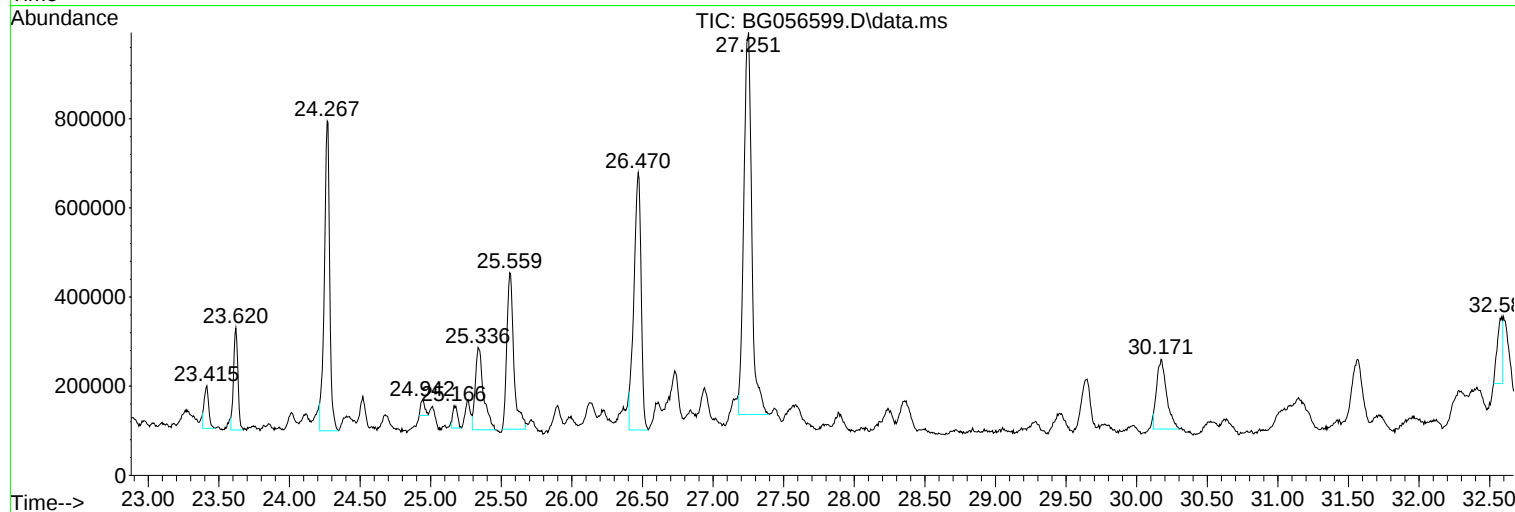
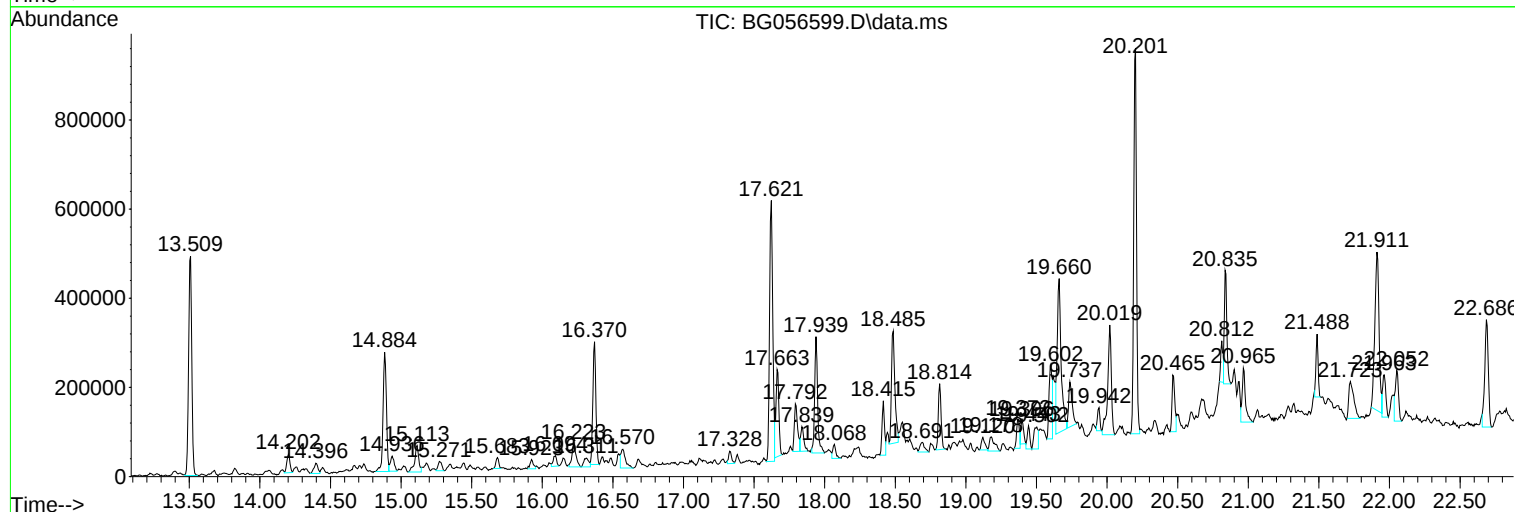
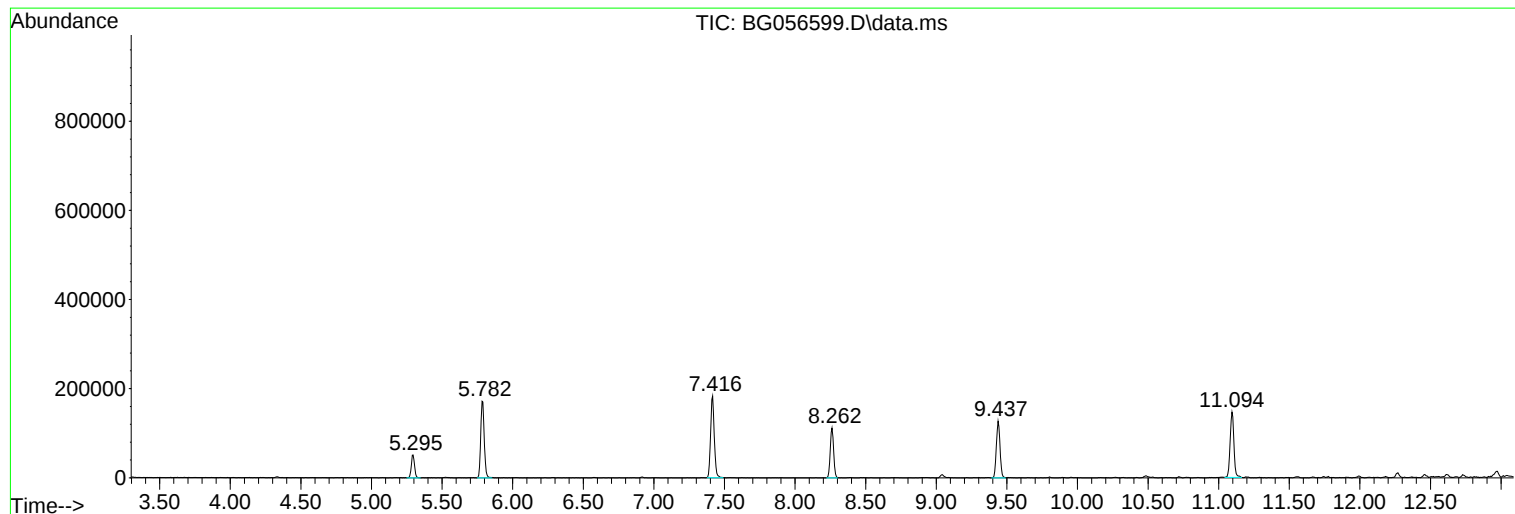
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Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
TOPSOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG012723.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\BG020923\  
Data File : BG056599.D  
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Operator : CG/JU  
Sample : 01483-01  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
TOPSOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG012723.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

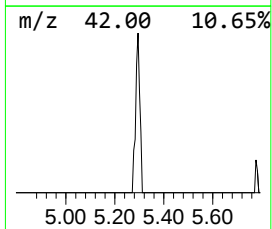
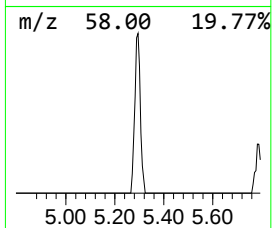
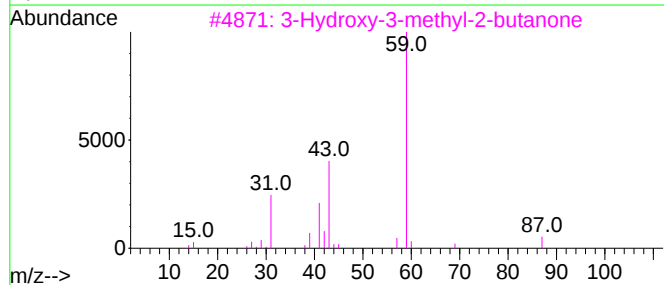
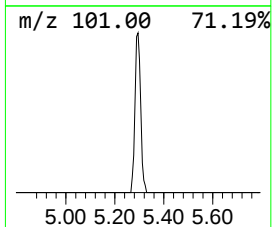
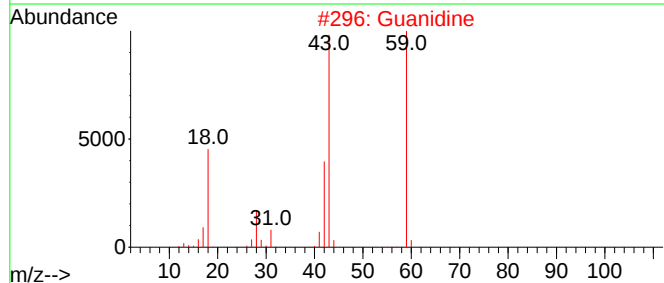
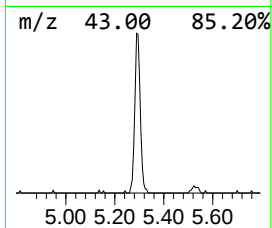
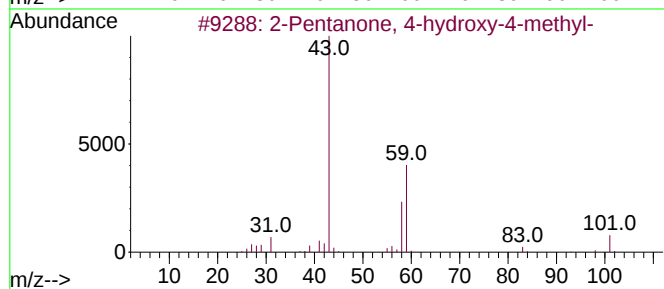
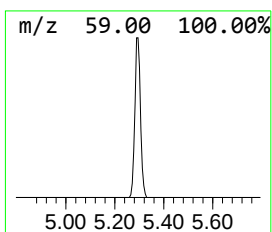
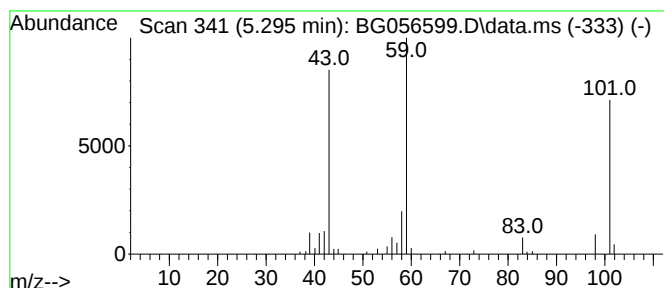
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

| R.T.  | EstConc | Area  | Relative to ISTD       | R.T.  |
|-------|---------|-------|------------------------|-------|
| 5.295 | 8.87 ng | 81292 | 1,4-Dichlorobenzene-d4 | 8.262 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------------|-----|---------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 38   |
| 2    |    |   | Guanidine                        | 59  | CH5N3   | 000113-00-8 | 32   |
| 3    |    |   | 3-Hydroxy-3-methyl-2-butanone    | 102 | C5H10O2 | 000115-22-0 | 25   |
| 4    |    |   | Propane, 1-ethoxy-2-methyl-      | 102 | C6H14O  | 000627-02-1 | 25   |
| 5    |    |   | 4-Hydroxy-3-hexanone             | 116 | C6H12O2 | 004984-85-4 | 23   |



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Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG012723.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L

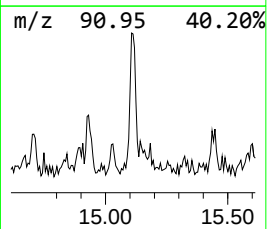
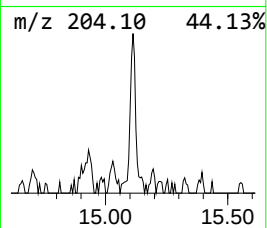
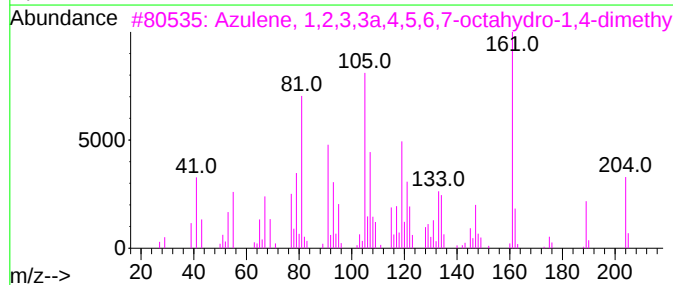
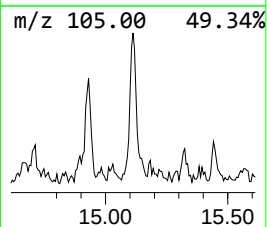
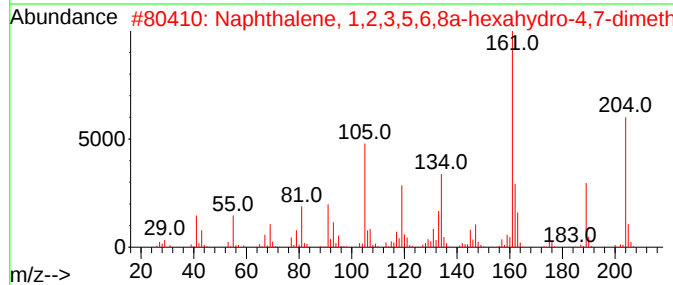
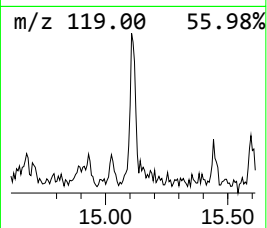
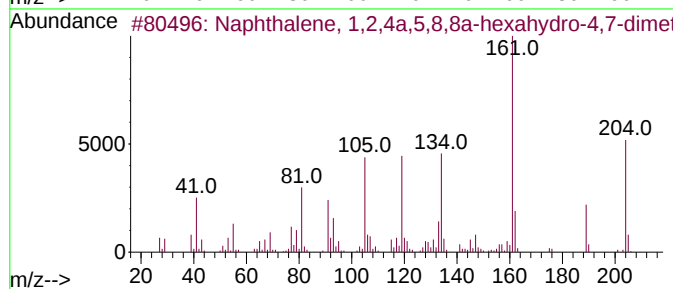
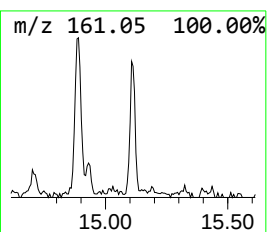
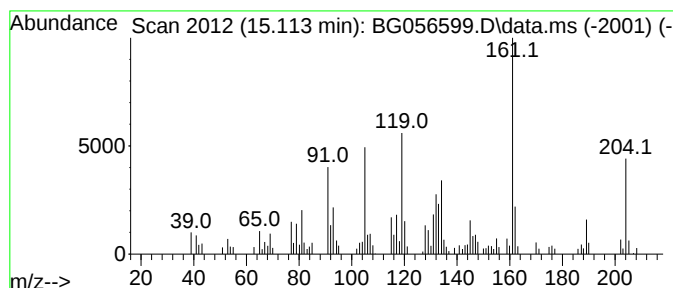
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Naphthalene, 1,2,4a,5,8,8a-... Concentration Rank 14

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 15.113 | 5.38 ng | 119694 | Acenaphthene-d10 | 14.884 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 1,2,4a,5,8,8a-hexah... | 204 | C15H24  | 000523-47-7 | 92   |
| 2    |    |   | Naphthalene, 1,2,3,5,6,8a-hexahy... | 204 | C15H24  | 000483-76-1 | 90   |
| 3    |    |   | Azulene, 1,2,3,3a,4,5,6,7-octahy... | 204 | C15H24  | 022567-17-5 | 90   |
| 4    |    |   | (1S,4aR,8aS)-1-Isopropyl-7-methy... | 204 | C15H24  | 006980-46-7 | 89   |
| 5    |    |   | Copaene                             | 204 | C15H24  | 003856-25-5 | 86   |



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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG012723.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

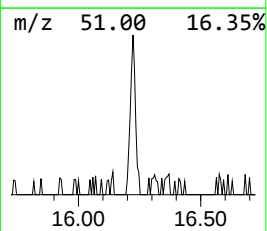
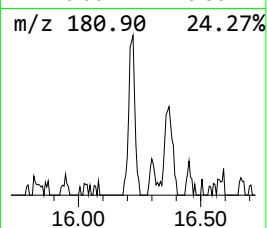
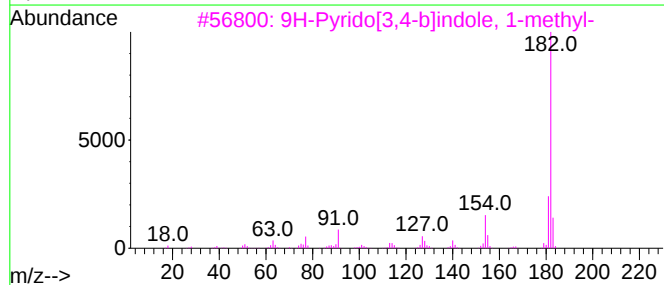
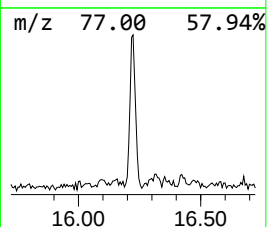
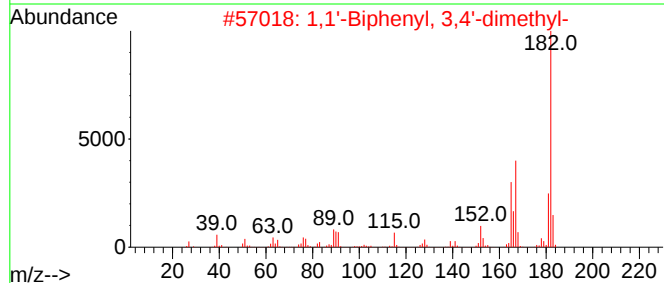
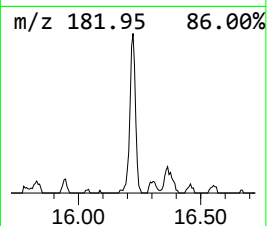
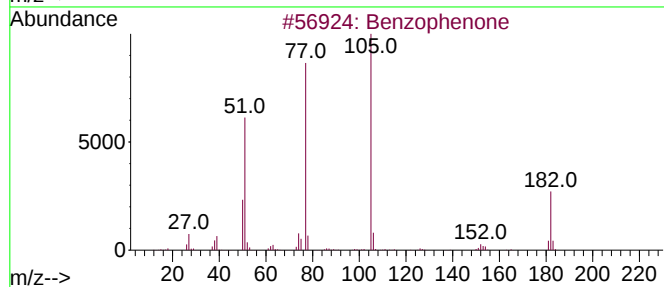
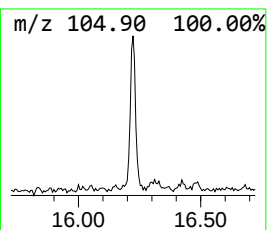
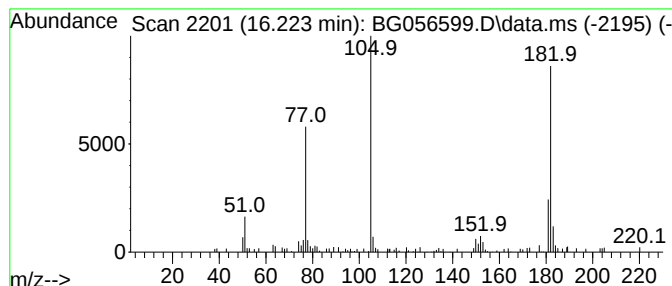
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Benzophenone Concentration Rank 17

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 16.223 | 4.66 ng | 103860 | Acenaphthene-d10 | 14.884 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Benzophenone                        | 182 | C13H10O  | 000119-61-9 | 87   |
| 2    |    |   | 1,1'-Biphenyl, 3,4'-dimethyl-       | 182 | C14H14   | 007383-90-6 | 49   |
| 3    |    |   | 9H-Pyrido[3,4-b]indole, 1-methyl-   | 182 | C12H10N2 | 000486-84-0 | 47   |
| 4    |    |   | Ethanone, 1-phenyl-2-(4-pyridinyl)- | 197 | C13H11NO | 001620-55-9 | 18   |
| 5    |    |   | Benzenecarbothioic acid, S-methy... | 152 | C8H8OS   | 005925-68-8 | 18   |



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ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
TOPSOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG012723.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

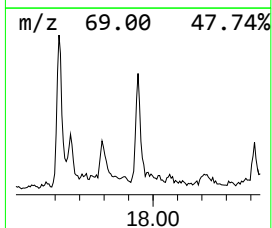
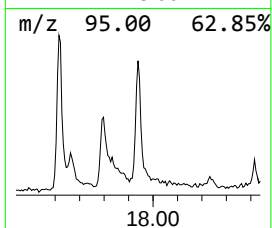
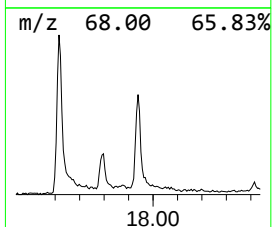
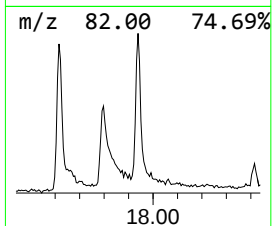
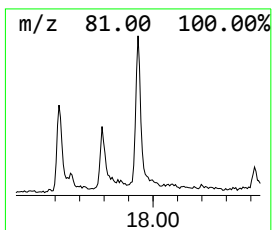
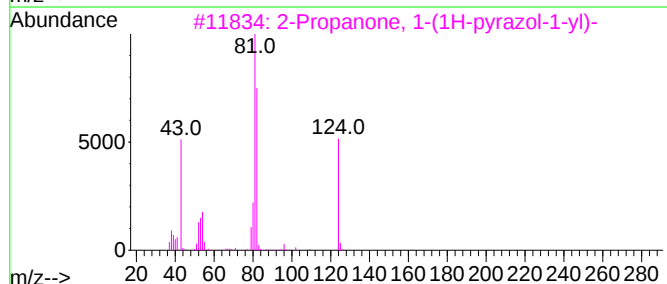
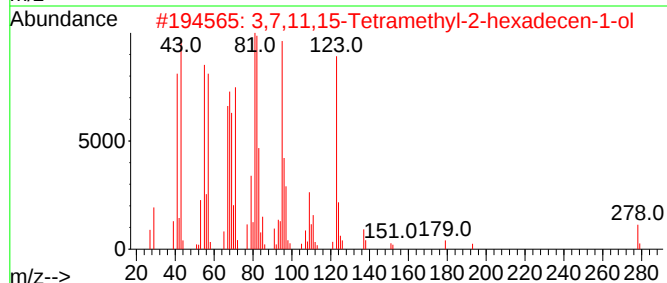
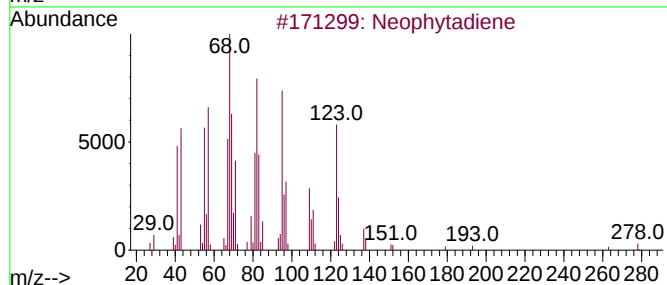
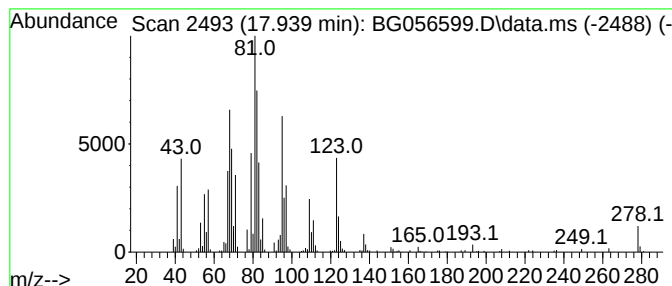
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TIC Integration Parameters: LSCINT.P

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Peak Number 4 Neophytadiene Concentration Rank 11

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 17.939 | 8.06 ng | 374897 | Phenanthrene-d10 | 17.622 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm | CAS#         | Qual |
|------|----|---|------------------------------------|-----|---------|--------------|------|
| 1    |    |   | Neophytadiene                      | 278 | C20H38  | 000504-96-1  | 64   |
| 2    |    |   | 3,7,11,15-Tetramethyl-2-hexadec... | 296 | C20H40O | 102608-53-7  | 43   |
| 3    |    |   | 2-Propanone, 1-(1H-pyrazol-1-yl)-  | 124 | C6H8N2O | 1010337-51-8 | 35   |
| 4    |    |   | 1-Ethynylcyclopentanol             | 110 | C7H10O  | 017356-19-3  | 35   |
| 5    |    |   | 9-Octadecyne                       | 250 | C18H34  | 035365-59-4  | 22   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG020923\  
Data File : BG056599.D  
Acq On : 9 Feb 2023 16:11  
Operator : CG/JU  
Sample : 01483-01  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
TOPSOIL

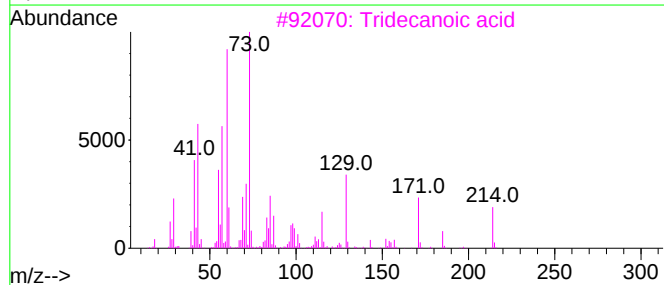
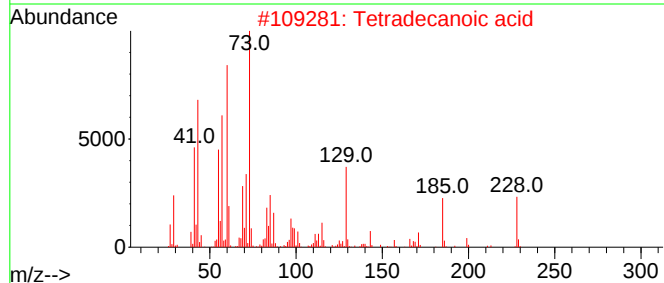
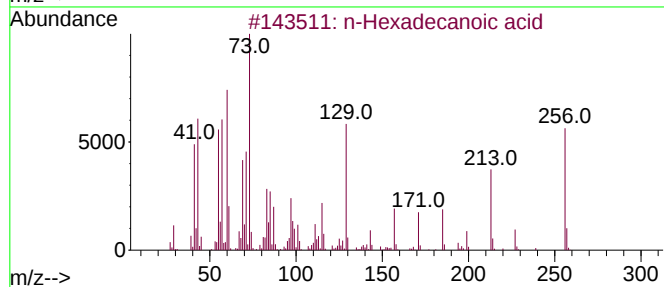
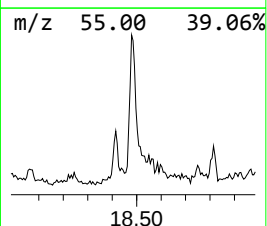
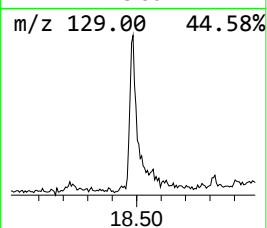
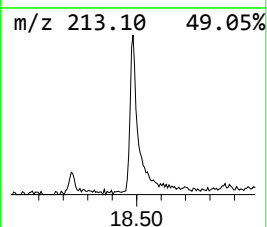
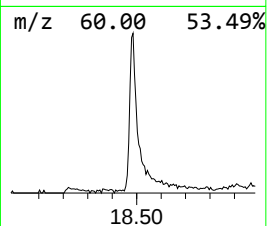
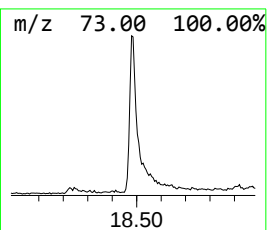
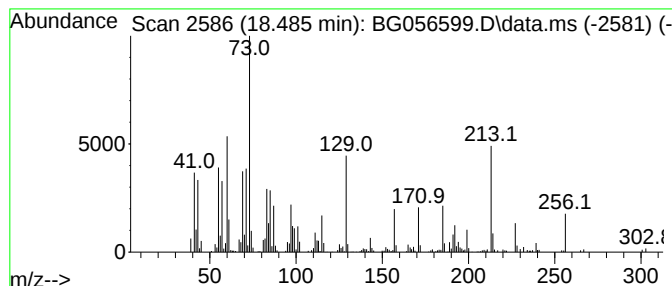
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 5 n-Hexadecanoic acid Concentration Rank 8

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 18.485 | 9.19 ng | 427448 | Phenanthrene-d10 | 17.622 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------|-----|----------|-------------|------|
| 1    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 96   |
| 2    |    |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 64   |
| 3    |    |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 60   |
| 4    |    |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 38   |
| 5    |    |   | Dodecanoic acid     | 200 | C12H24O2 | 000143-07-7 | 35   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG020923\  
Data File : BG056599.D  
Acq On : 9 Feb 2023 16:11  
Operator : CG/JU  
Sample : 01483-01  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
TOPSOIL

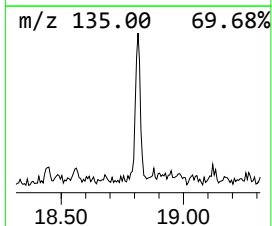
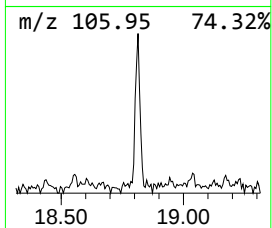
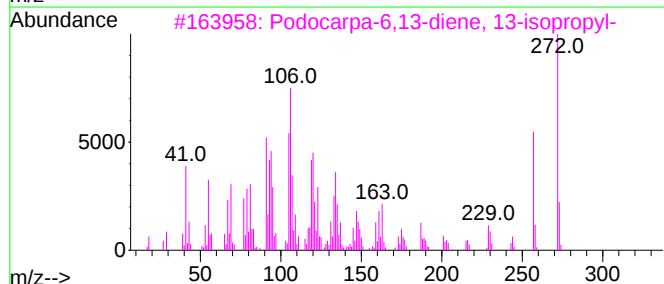
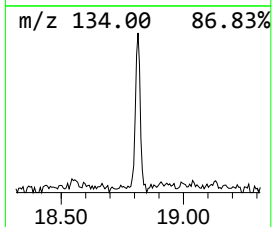
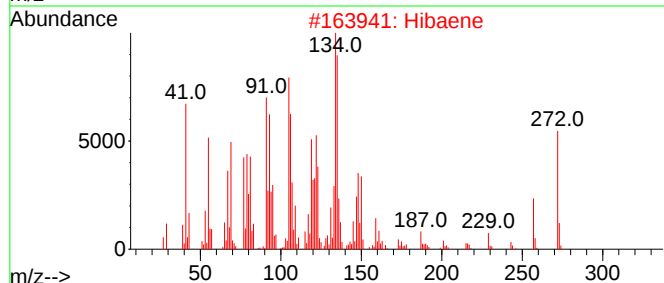
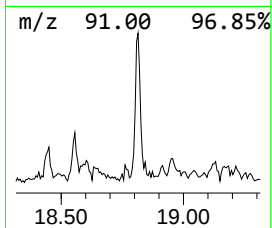
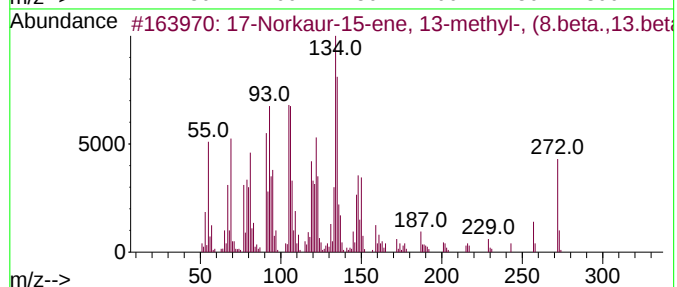
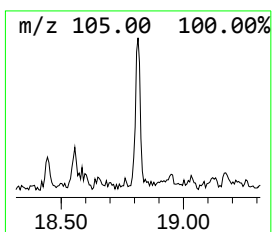
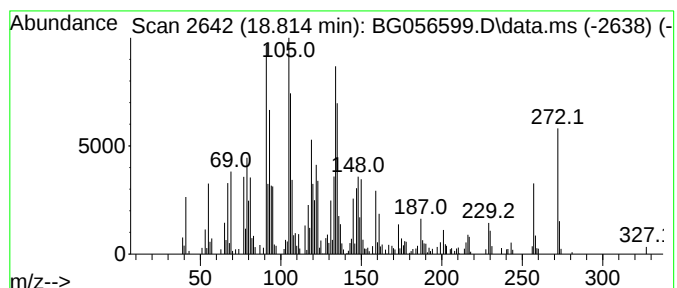
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 6 17-Norkaur-15-ene, 13-methy... Concentration Rank 19

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 18.814    | 4.42 ng                             | 205574 | Phenanthrene-d10 | 17.622      |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | 17-Norkaur-15-ene, 13-methyl-, (... | 272    | C20H32           | 003564-54-3 | 99   |
| 2         | Hibaene                             | 272    | C20H32           | 002359-73-1 | 95   |
| 3         | Podocarpa-6,13-diene, 13-isopropyl- | 272    | C20H32           | 005939-62-8 | 53   |
| 4         | Kaur-15-ene, (5.alpha.,9.alpha.,... | 272    | C20H32           | 000511-85-3 | 43   |
| 5         | 3a,6-Methano-3aH-indene, 2,3,4,5... | 134    | C10H14           | 098640-10-9 | 30   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG020923\  
Data File : BG056599.D  
Acq On : 9 Feb 2023 16:11  
Operator : CG/JU  
Sample : 01483-01  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
TOPSOIL

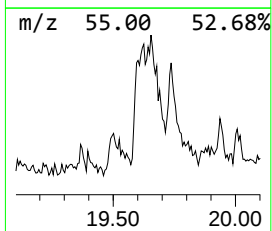
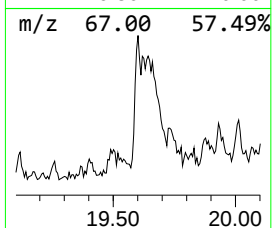
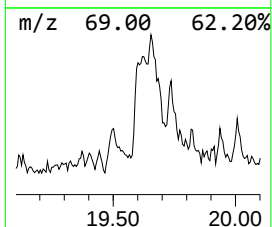
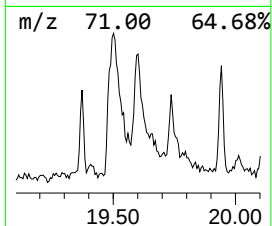
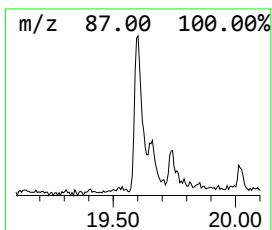
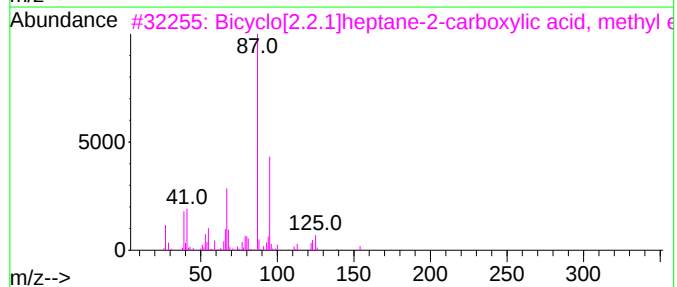
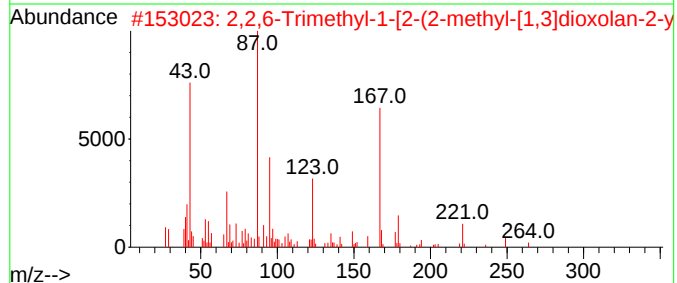
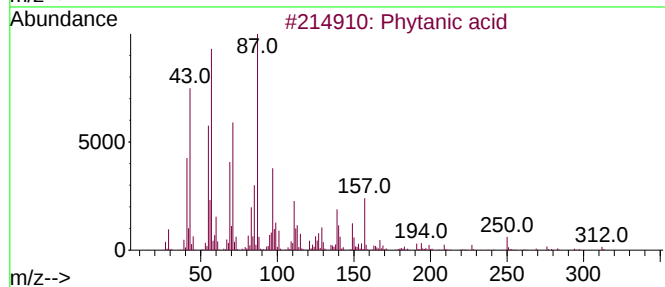
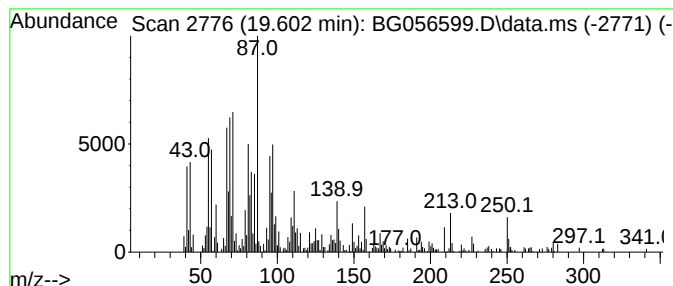
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 7 Phytanic acid Concentration Rank 12

| R.T.      | EstConc                              | Area   | Relative to ISTD |              | R.T.   |
|-----------|--------------------------------------|--------|------------------|--------------|--------|
| 19.602    | 5.75 ng                              | 267591 | Phenanthrene-d10 |              | 17.622 |
| Hit# of 5 | Tentative ID                         | MW     | MolForm          | CAS#         | Qual   |
| 1         | Phytanic acid                        | 312    | C20H40O2         | 014721-66-5  | 83     |
| 2         | 2,2,6-Trimethyl-1-[2-(2-methyl-[...] | 264    | C15H20O4         | 1000188-29-7 | 38     |
| 3         | Bicyclo[2.2.1]heptane-2-carboxyl...  | 154    | C9H14O2          | 035520-81-1  | 38     |
| 4         | 3-[3-[2-Methyl-1,3-dioxolan-2-yl...  | 215    | C10H17NO4        | 1000250-81-9 | 25     |
| 5         | Oxalic acid, cyclobutyl octadecy...  | 396    | C24H44O4         | 1000309-70-8 | 22     |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG020923\  
Data File : BG056599.D  
Acq On : 9 Feb 2023 16:11  
Operator : CG/JU  
Sample : 01483-01  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
TOPSOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG012723.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

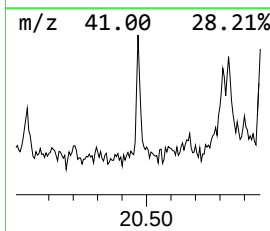
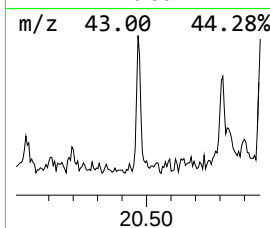
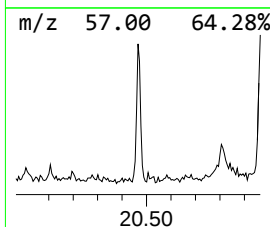
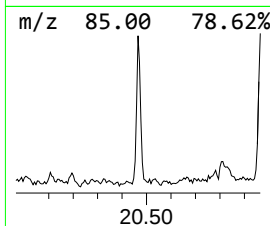
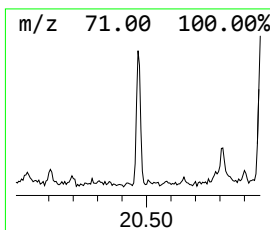
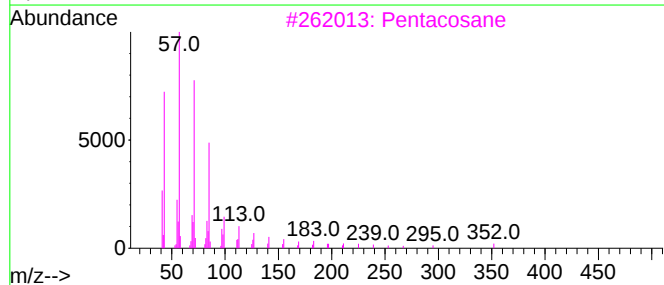
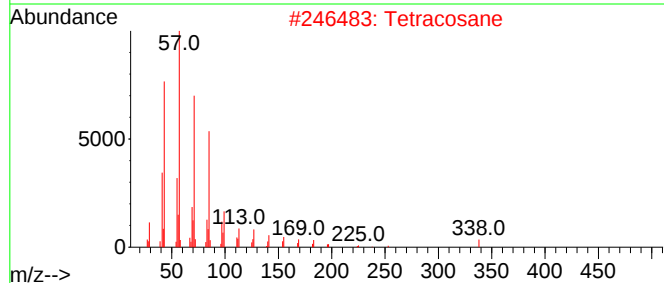
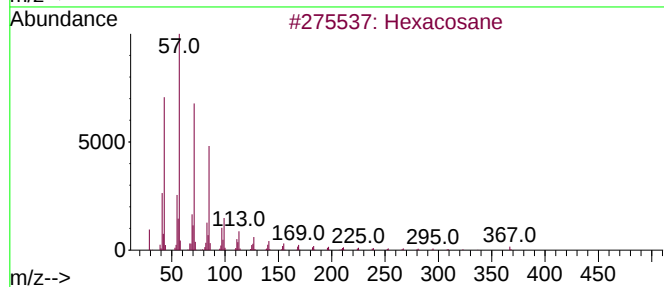
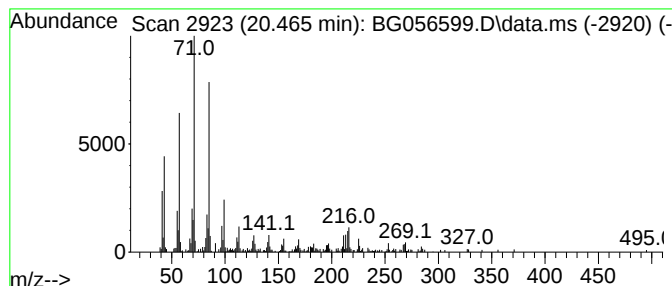
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TIC Integration Parameters: LSCINT.P

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Peak Number 8 Hexacosane Concentration Rank 16

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 20.465 | 4.77 ng | 178230 | Chrysene-d12     | 21.911 |

| Hit# | of | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------|-----|---------|-------------|------|
| 1    |    |   | Hexacosane   | 366 | C26H54  | 000630-01-3 | 83   |
| 2    |    |   | Tetracosane  | 338 | C24H50  | 000646-31-1 | 83   |
| 3    |    |   | Pentacosane  | 352 | C25H52  | 000629-99-2 | 83   |
| 4    |    |   | Nonadecane   | 268 | C19H40  | 000629-92-5 | 83   |
| 5    |    |   | Heneicosane  | 296 | C21H44  | 000629-94-7 | 80   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG020923\  
Data File : BG056599.D  
Acq On : 9 Feb 2023 16:11  
Operator : CG/JU  
Sample : 01483-01  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

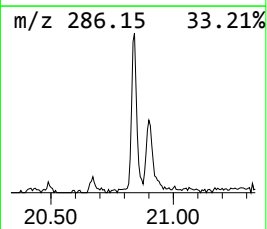
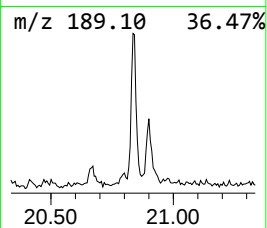
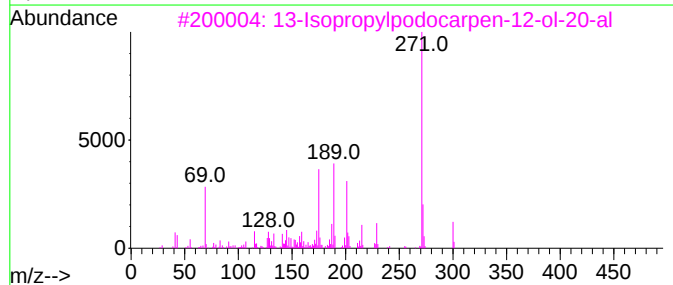
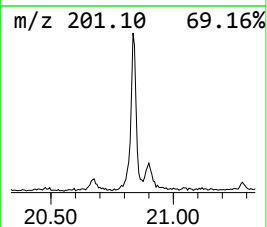
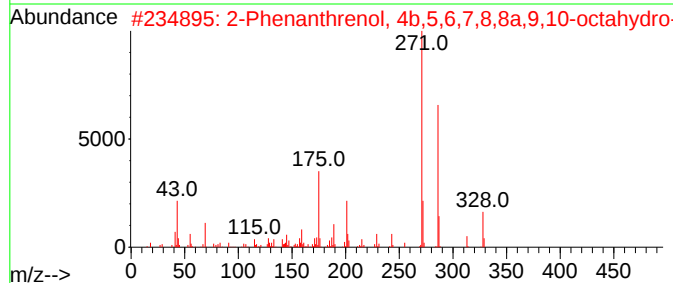
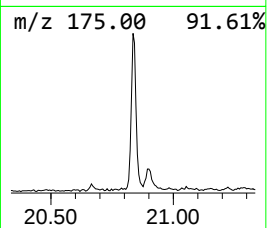
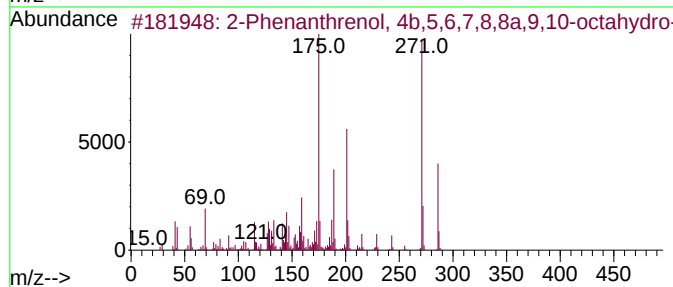
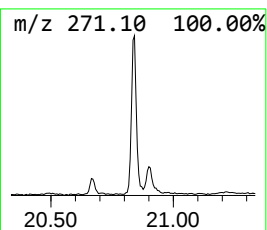
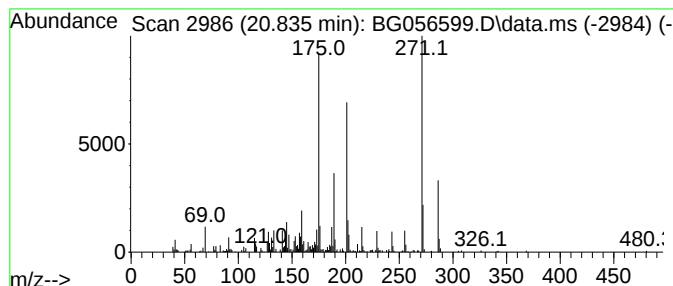
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BNA\_G  
ClientSampleId :  
TOPSOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG012723.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 9 2-Phenanthrenol, 4b,5,6,7,8... Concentration Rank 10

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|--------|------------------|--------------|------|
| 20.835    | 8.37 ng                             | 313095 | Chrysene-d12     | 21.911       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#         | Qual |
| 1         | 2-Phenanthrenol, 4b,5,6,7,8,8a,9... | 286    | C20H30O          | 000511-15-9  | 99   |
| 2         | 2-Phenanthrenol, 4b,5,6,7,8,8a,9... | 328    | C22H32O2         | 015340-82-6  | 86   |
| 3         | 13-Isopropylpodocarpin-12-ol-20-al  | 300    | C20H28O2         | 024035-37-8  | 43   |
| 4         | Pisiferol                           | 302    | C20H30O2         | 024035-36-7  | 43   |
| 5         | (4Br,8As)-(+)-4B,5,6,7,8,8A,9,10... | 346    | C22H34O3         | 1000426-72-2 | 38   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG020923\  
Data File : BG056599.D  
Acq On : 9 Feb 2023 16:11  
Operator : CG/JU  
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Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
TOPSOIL

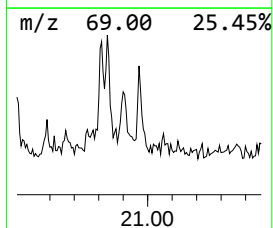
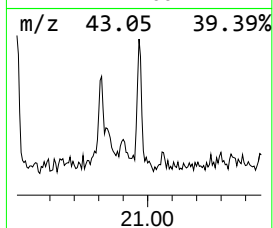
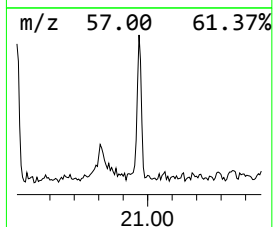
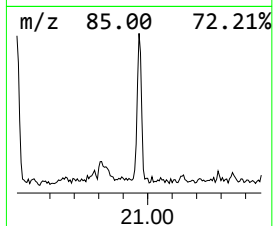
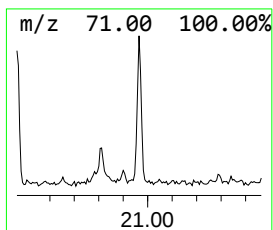
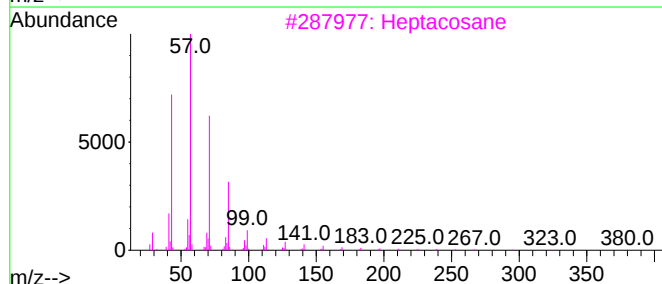
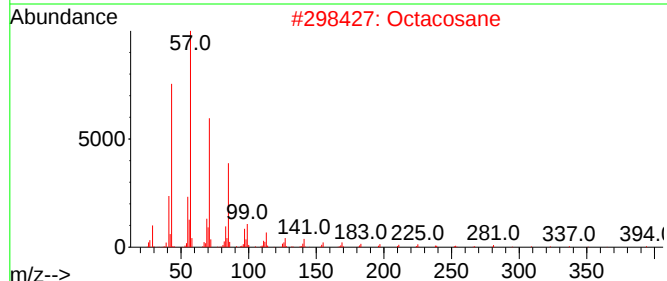
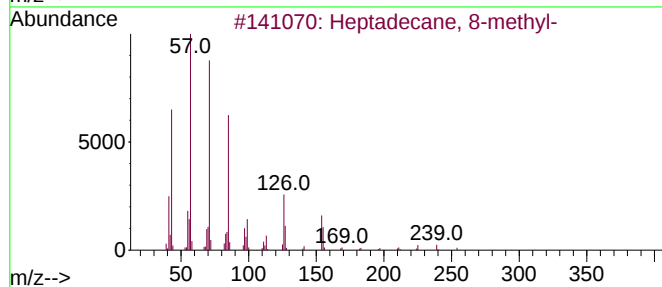
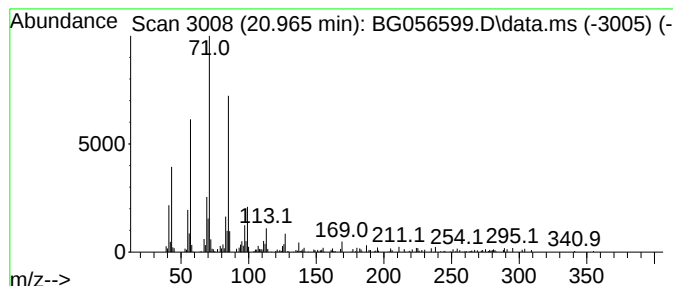
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 10 Heptadecane, 8-methyl- Concentration Rank 15

| R.T.      | EstConc                | Area   | Relative to ISTD | R.T.        |      |
|-----------|------------------------|--------|------------------|-------------|------|
| 20.965    | 5.24 ng                | 195744 | Chrysene-d12     | 21.911      |      |
| Hit# of 5 | Tentative ID           | MW     | MolForm          | CAS#        | Qual |
| 1         | Heptadecane, 8-methyl- | 254    | C18H38           | 013287-23-5 | 87   |
| 2         | Octacosane             | 394    | C28H58           | 000630-02-4 | 87   |
| 3         | Heptacosane            | 380    | C27H56           | 000593-49-7 | 86   |
| 4         | Triacontane            | 422    | C30H62           | 000638-68-6 | 86   |
| 5         | Tetracosane            | 338    | C24H50           | 000646-31-1 | 86   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG020923\  
Data File : BG056599.D  
Acq On : 9 Feb 2023 16:11  
Operator : CG/JU  
Sample : 01483-01  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
TOPSOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG012723.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

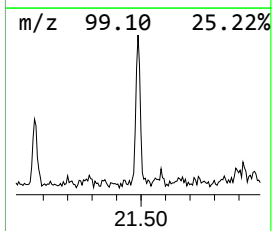
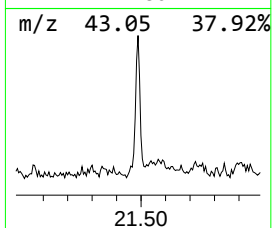
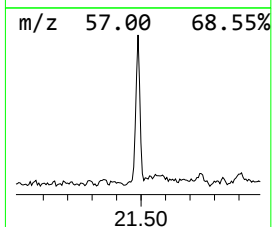
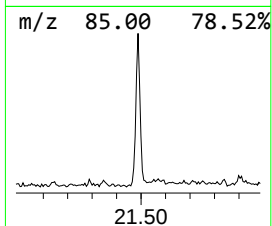
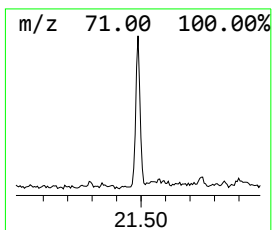
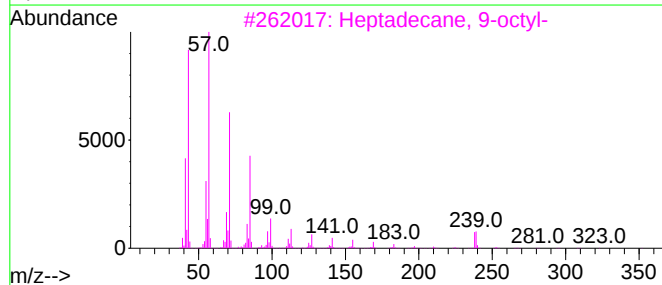
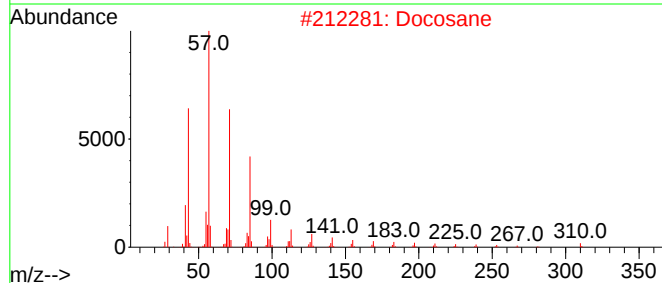
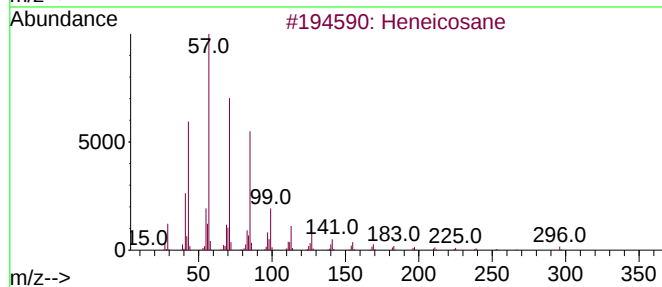
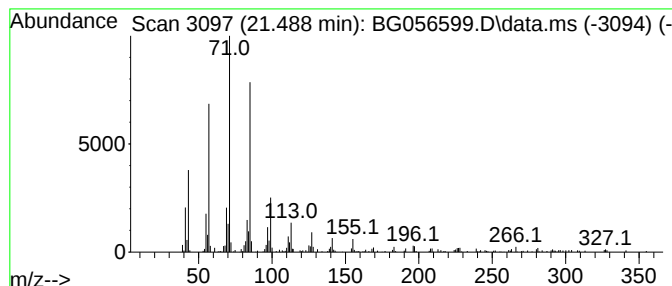
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 11 Heneicosane Concentration Rank 20

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 21.488 | 3.99 ng | 149060 | Chrysene-d12     | 21.911 |

| Hit# | of | 5 | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------|-----|---------|-------------|------|
| 1    |    |   | Heneicosane           | 296 | C21H44  | 000629-94-7 | 91   |
| 2    |    |   | Docosane              | 310 | C22H46  | 000629-97-0 | 90   |
| 3    |    |   | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1 | 90   |
| 4    |    |   | Tetracosane           | 338 | C24H50  | 000646-31-1 | 86   |
| 5    |    |   | Octadecane, 1-iodo-   | 380 | C18H37I | 000629-93-6 | 86   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG020923\  
Data File : BG056599.D  
Acq On : 9 Feb 2023 16:11  
Operator : CG/JU  
Sample : 01483-01  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
TOPSOIL

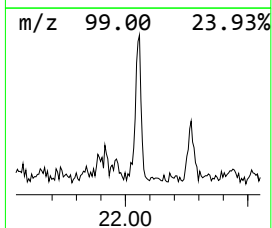
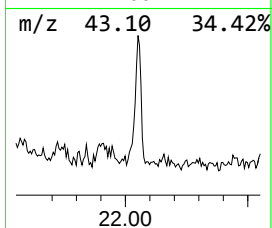
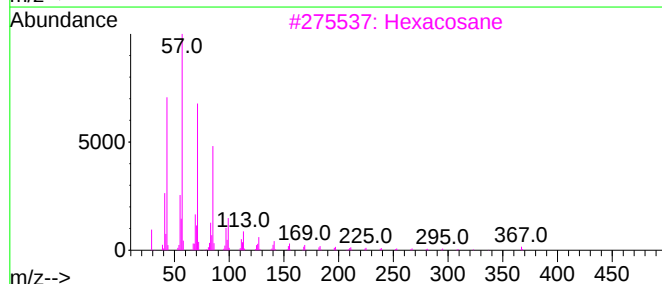
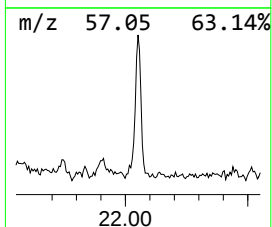
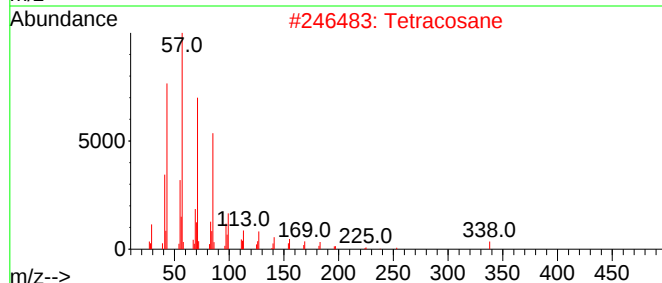
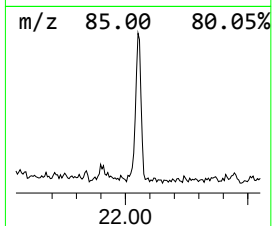
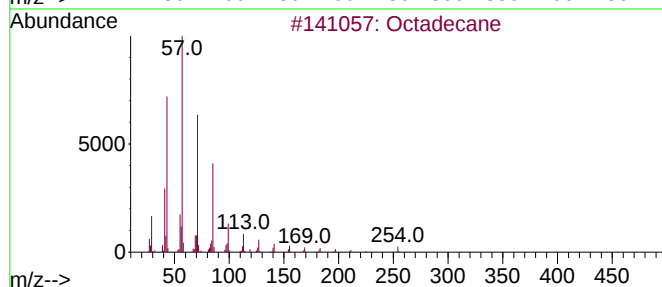
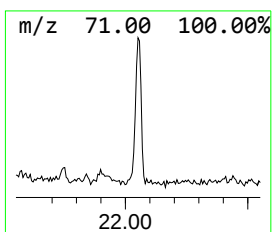
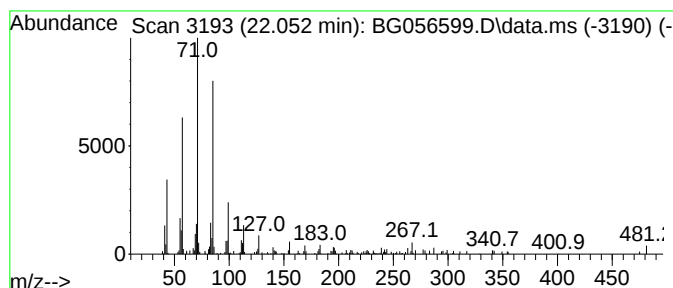
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 12 Octadecane Concentration Rank 18

| R.T.      | EstConc              | Area   | Relative to ISTD |         | R.T.        |      |
|-----------|----------------------|--------|------------------|---------|-------------|------|
| 22.052    | 4.61 ng              | 172198 | Chrysene-d12     |         | 21.911      |      |
| Hit# of 5 | Tentative ID         |        | MW               | MolForm | CAS#        | Qual |
| 1         | Octadecane           |        | 254              | C18H38  | 000593-45-3 | 86   |
| 2         | Tetracosane          |        | 338              | C24H50  | 000646-31-1 | 86   |
| 3         | Hexacosane           |        | 366              | C26H54  | 000630-01-3 | 86   |
| 4         | Heptacosane          |        | 380              | C27H56  | 000593-49-7 | 50   |
| 5         | Tridecane, 3-methyl- |        | 198              | C14H30  | 006418-41-3 | 38   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG020923\  
Data File : BG056599.D  
Acq On : 9 Feb 2023 16:11  
Operator : CG/JU  
Sample : 01483-01  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
TOPSOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG012723.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

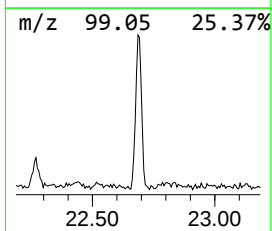
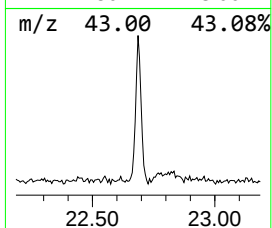
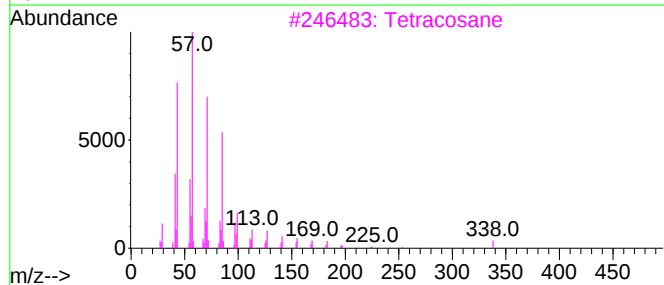
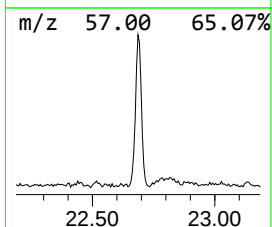
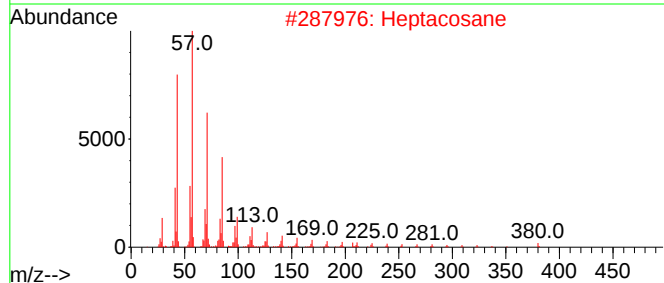
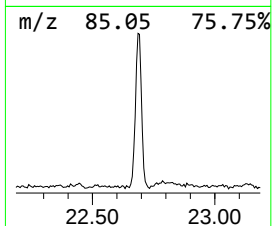
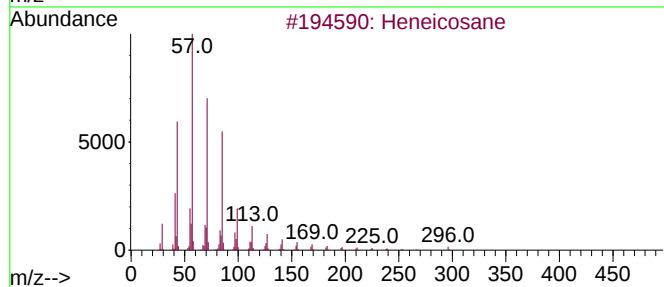
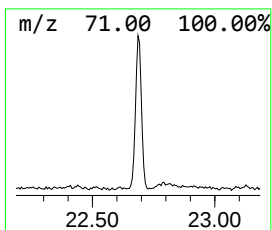
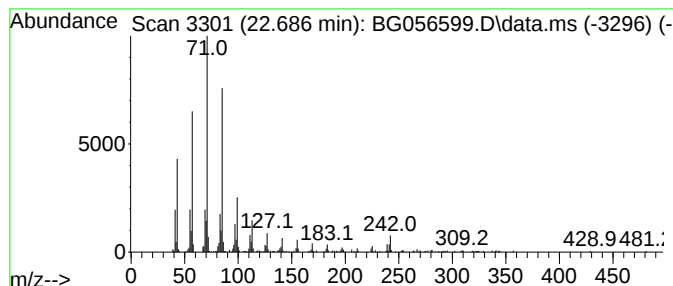
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TIC Integration Parameters: LSCINT.P

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Peak Number 13 Heptacosane Concentration Rank 6

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.   |
|--------|----------|--------|------------------|--------|
| 22.686 | 11.30 ng | 422527 | Chrysene-d12     | 21.911 |

| Hit# | of 5 | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|------|-----------------------|-----|---------|-------------|------|
| 1    |      | Heneicosane           | 296 | C21H44  | 000629-94-7 | 91   |
| 2    |      | Heptacosane           | 380 | C27H56  | 000593-49-7 | 91   |
| 3    |      | Tetracosane           | 338 | C24H50  | 000646-31-1 | 91   |
| 4    |      | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1 | 90   |
| 5    |      | Nonadecane, 2-methyl- | 282 | C20H42  | 001560-86-7 | 90   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG020923\  
Data File : BG056599.D  
Acq On : 9 Feb 2023 16:11  
Operator : CG/JU  
Sample : 01483-01  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
TOPSOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG012723.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

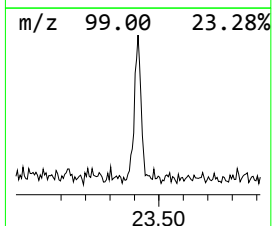
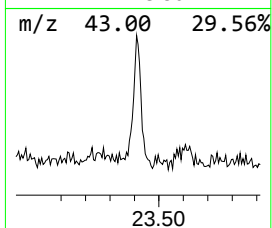
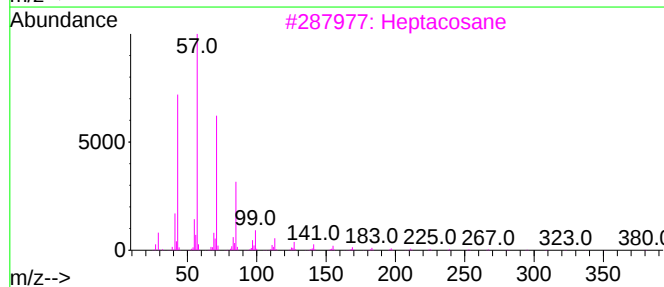
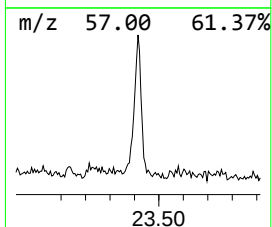
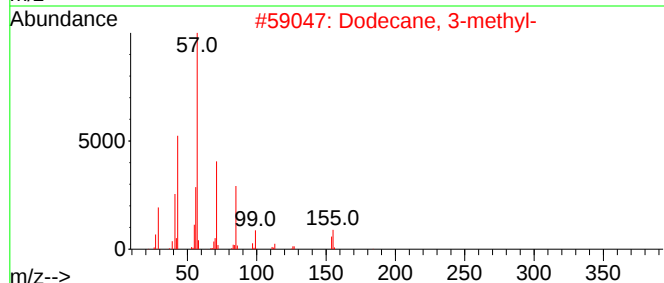
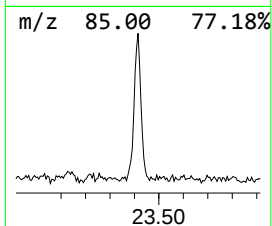
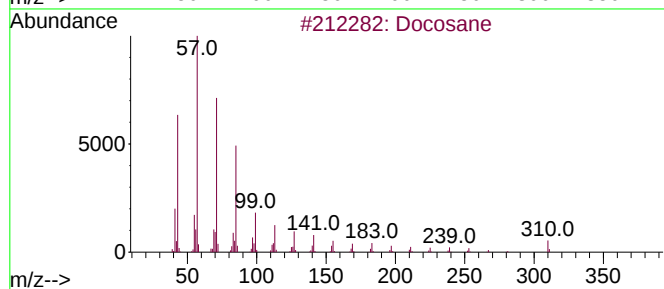
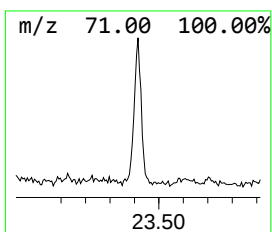
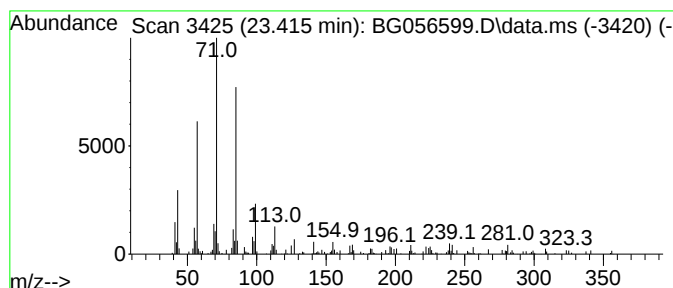
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 14 Docosane Concentration Rank 13

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 23.415 | 5.54 ng | 207235 | Chrysene-d12     | 21.911 |

| Hit# | of | 5 | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------|-----|---------|-------------|------|
| 1    |    |   | Docosane               | 310 | C22H46  | 000629-97-0 | 80   |
| 2    |    |   | Dodecane, 3-methyl-    | 184 | C13H28  | 017312-57-1 | 78   |
| 3    |    |   | Heptacosane            | 380 | C27H56  | 000593-49-7 | 52   |
| 4    |    |   | Heneicosane, 5-methyl- | 310 | C22H46  | 025117-37-7 | 52   |
| 5    |    |   | Hexadecane, 7-methyl-  | 240 | C17H36  | 026730-20-1 | 46   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG020923\  
Data File : BG056599.D  
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Operator : CG/JU  
Sample : 01483-01  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

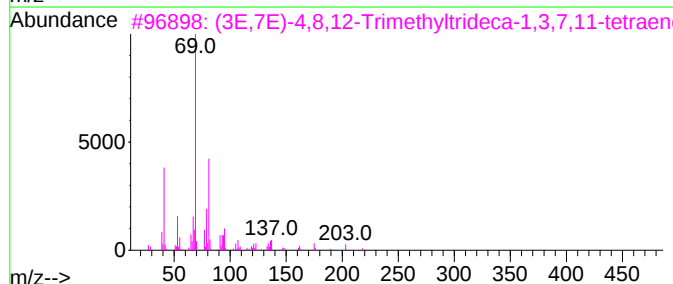
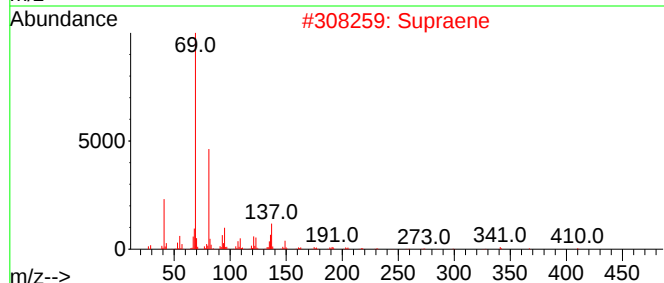
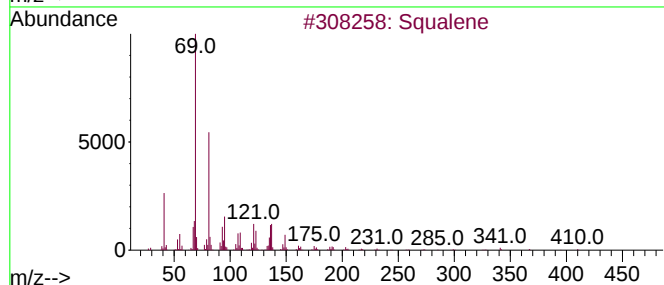
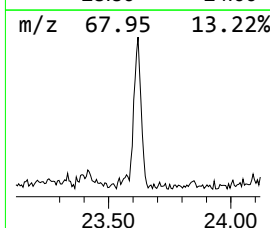
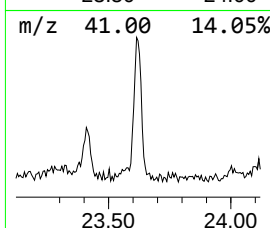
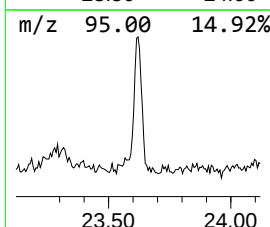
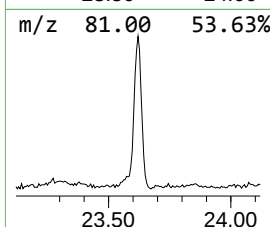
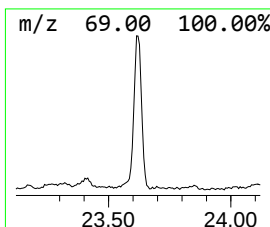
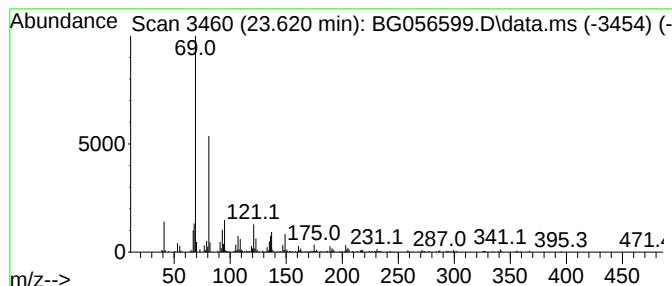
Instrument :  
BNA\_G  
ClientSampleId :  
TOPSOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG012723.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 15 Squalene Concentration Rank 5

| R.T.      | EstConc                             | Area   | Relative to ISTD |         | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|---------|-------------|------|
| 23.620    | 13.15 ng                            | 491732 | Chrysene-d12     |         | 21.911      |      |
| Hit# of 5 | Tentative ID                        |        | MW               | MolForm | CAS#        | Qual |
| 1         | Squalene                            |        | 410              | C30H50  | 000111-02-4 | 91   |
| 2         | Supraene                            |        | 410              | C30H50  | 007683-64-9 | 80   |
| 3         | (3E,7E)-4,8,12-Trimethyltrideca-... |        | 218              | C16H26  | 062235-06-7 | 74   |
| 4         | 4,9,13,17-Tetramethyl-4,8,12,16-... |        | 316              | C22H36O | 056882-09-8 | 64   |
| 5         | trans-Farnesol                      |        | 222              | C15H26O | 000106-28-5 | 64   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG020923\  
Data File : BG056599.D  
Acq On : 9 Feb 2023 16:11  
Operator : CG/JU  
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Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
TOPSOIL

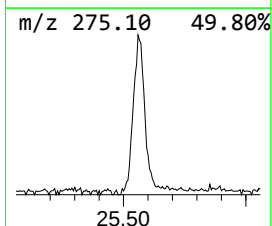
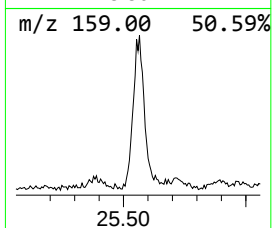
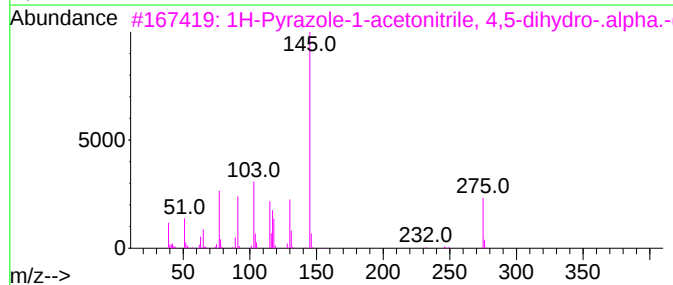
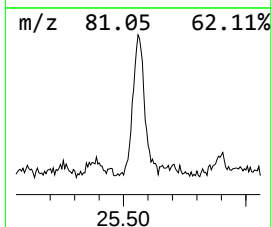
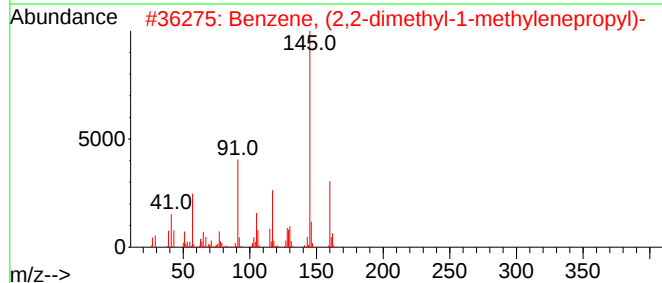
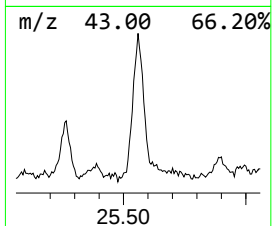
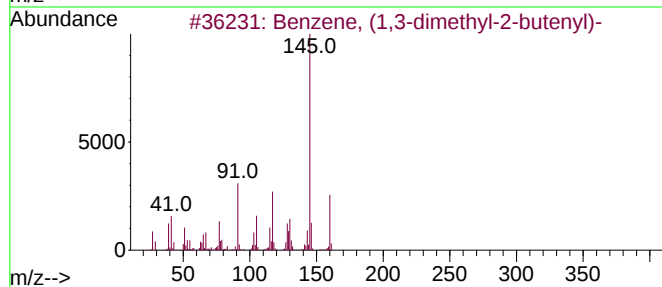
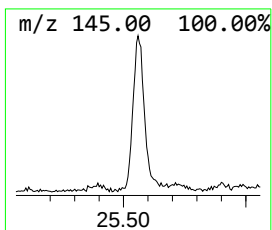
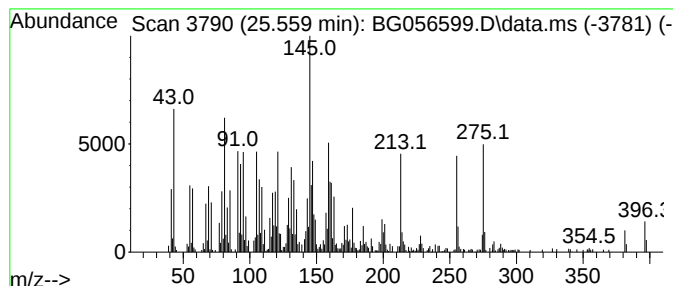
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 16 unknown25.559 Concentration Rank 3

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 25.559 | 32.62 ng | 1208830 | Perylene-d12     | 25.336 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Benzene, (1,3-dimethyl-2-butenyl)-  | 160 | C12H16    | 050704-01-3  | 25   |
| 2    |    |   | Benzene, (2,2-dimethyl-1-methyle... | 160 | C12H16    | 005676-29-9  | 25   |
| 3    |    |   | 1H-Pyrazole-1-acetonitrile, 4,5-... | 275 | C18H17N3  | 1010351-14-3 | 18   |
| 4    |    |   | .alpha.,.beta.-D-Glucopyranoside... | 350 | C17H34O5S | 1000160-71-9 | 15   |
| 5    |    |   | Imidazo[1,2-a]pyridine-2-methana... | 255 | C15H14FN3 | 1000319-95-6 | 14   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG020923\  
Data File : BG056599.D  
Acq On : 9 Feb 2023 16:11  
Operator : CG/JU  
Sample : 01483-01  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
TOPSOIL

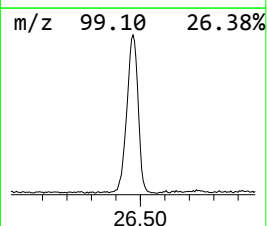
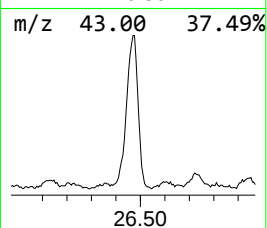
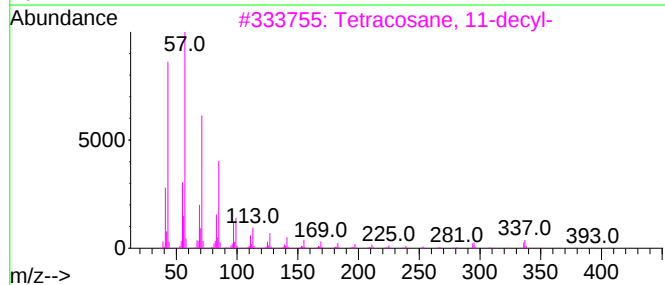
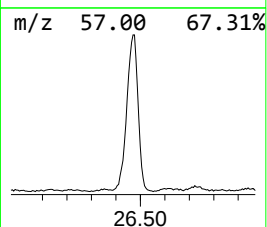
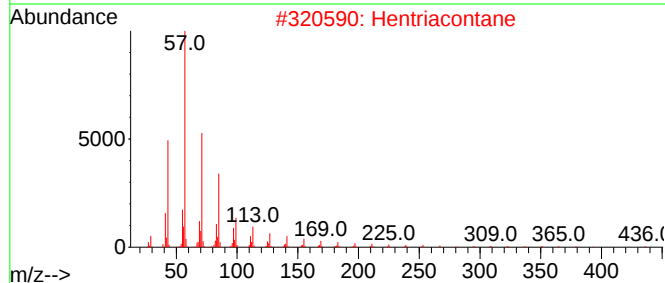
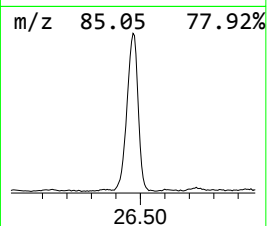
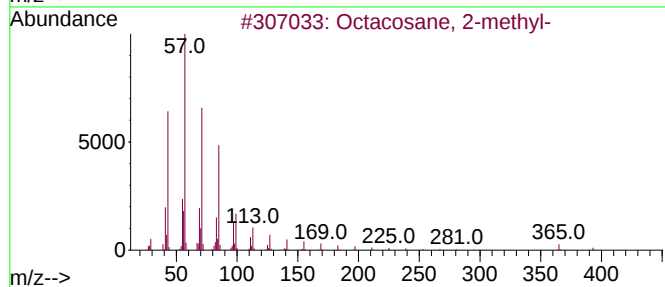
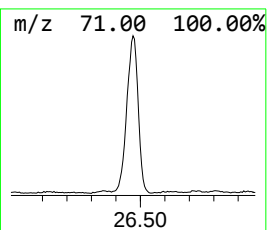
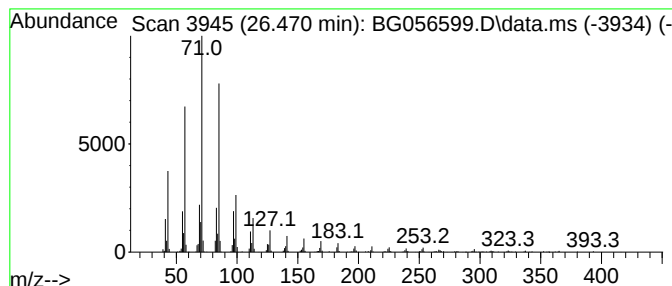
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG012723.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 17 Octacosane, 2-methyl- Concentration Rank 2

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 26.470 | 54.99 ng | 2037710 | Perylene-d12     | 25.336 |

| Hit# | of 5 | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|------|------------------------|-----|---------|-------------|------|
| 1    |      | Octacosane, 2-methyl-  | 408 | C29H60  | 001560-98-1 | 91   |
| 2    |      | Hentriacontane         | 437 | C31H64  | 000630-04-6 | 91   |
| 3    |      | Tetracosane, 11-decyl- | 479 | C34H70  | 055429-84-0 | 91   |
| 4    |      | Heptacosane            | 380 | C27H56  | 000593-49-7 | 90   |
| 5    |      | Hexacosane             | 366 | C26H54  | 000630-01-3 | 87   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG020923\  
Data File : BG056599.D  
Acq On : 9 Feb 2023 16:11  
Operator : CG/JU  
Sample : 01483-01  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
TOPSOIL

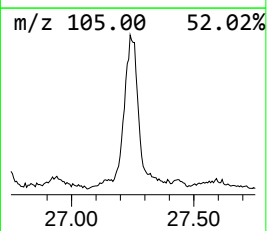
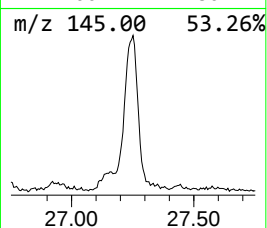
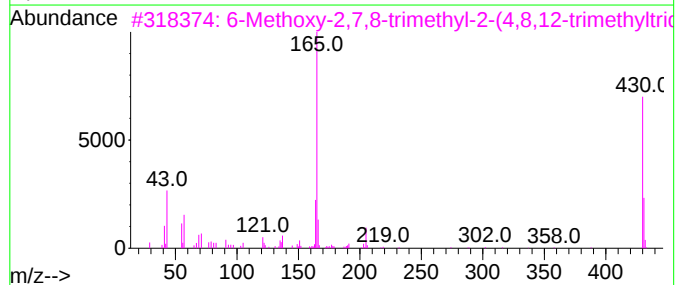
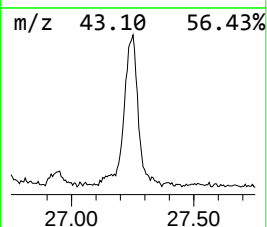
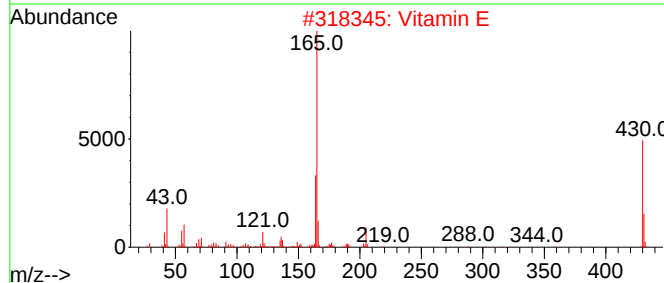
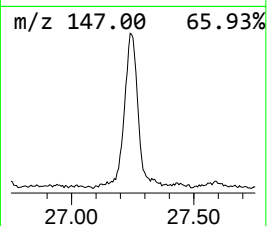
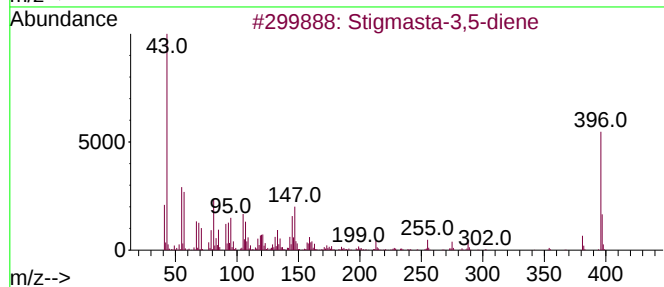
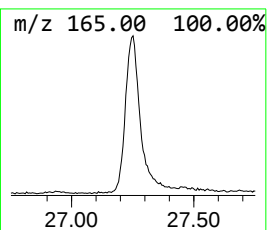
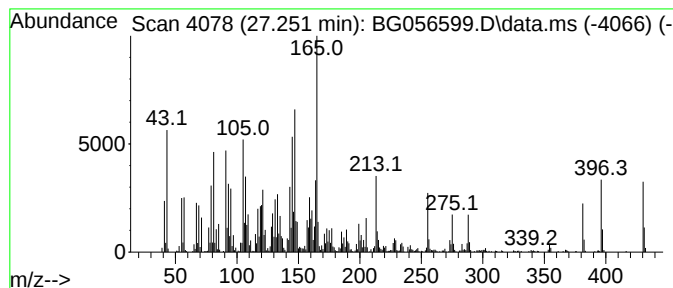
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 18 unknown27.251 Concentration Rank 1

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 27.251 | 89.91 ng | 3331990 | Perylene-d12     | 25.336 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Stigmasta-3,5-diene                 | 396 | C29H48   | 004970-37-0  | 46   |
| 2    |    |   | Vitamin E                           | 430 | C29H50O2 | 000059-02-9  | 42   |
| 3    |    |   | 6-Methoxy-2,7,8-trimethyl-2-(4,8... | 430 | C29H50O2 | 079306-82-4  | 42   |
| 4    |    |   | d1-.alpha.-Tocopherol               | 430 | C29H50O2 | 010191-41-0  | 42   |
| 5    |    |   | Benzoic acid, 4-propyl-, nonyl e... | 290 | C19H30O2 | 1010439-06-4 | 41   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG020923\  
Data File : BG056599.D  
Acq On : 9 Feb 2023 16:11  
Operator : CG/JU  
Sample : 01483-01  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
TOPSOIL

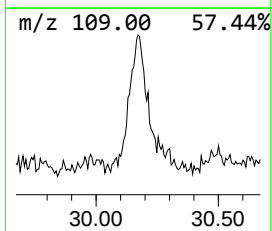
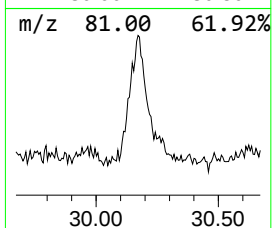
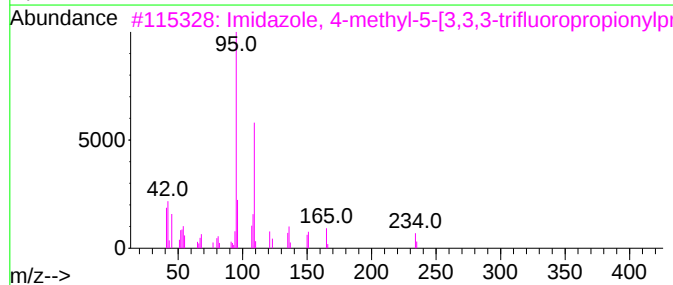
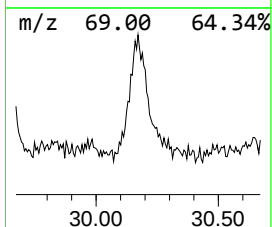
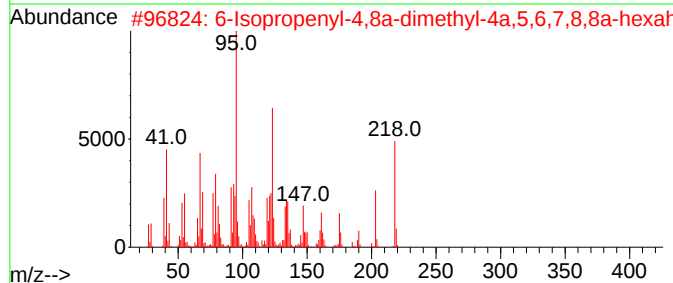
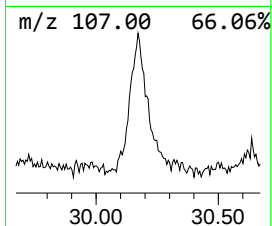
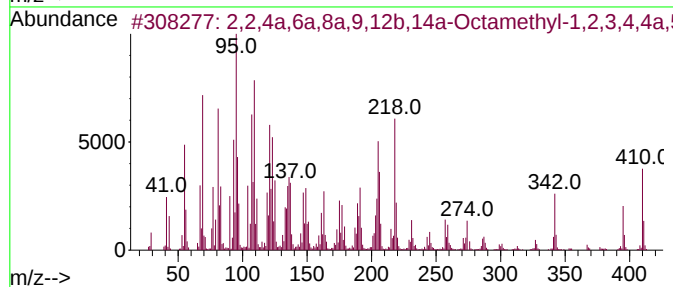
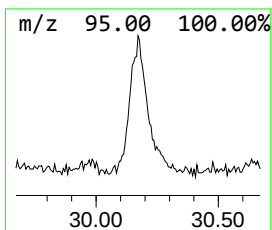
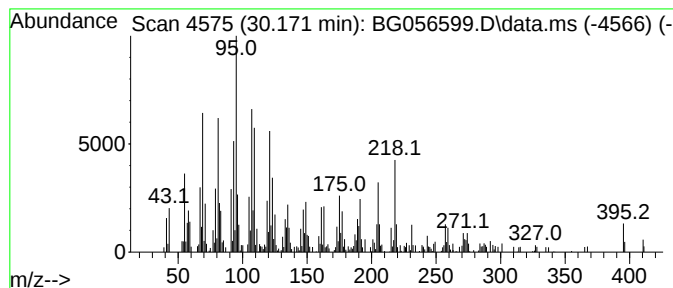
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 19 2,2,4a,6a,8a,9,12b,14a-Octa... Concentration Rank 4

| R.T.   | EstConc                             | Area            | Relative to ISTD | R.T.      |
|--------|-------------------------------------|-----------------|------------------|-----------|
| 30.172 | 20.54 ng                            | 761062          | Perylene-d12     | 25.336    |
| Hit#   | of 5                                | Tentative ID    | MW MolForm       | CAS# Qual |
| 1      | 2,2,4a,6a,8a,9,12b,14a-Octamethy... | 410 C30H50      | 053013-35-7      | 64        |
| 2      | 6-Isopropenyl-4,8a-dimethyl-4a,5... | 218 C15H220     | 086917-79-5      | 46        |
| 3      | Imidazole, 4-methyl-5-[3,3,3-tri... | 234 C10H13F3N2O | 1000129-15-8     | 41        |
| 4      | 2-Cyclohexene-1-carboxaldehyde, ... | 220 C15H240     | 056772-07-7      | 30        |
| 5      | Aciphyllene                         | 204 C15H24      | 087745-31-1      | 27        |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG020923\  
Data File : BG056599.D  
Acq On : 9 Feb 2023 16:11  
Operator : CG/JU  
Sample : 01483-01  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
TOPSOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG012723.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

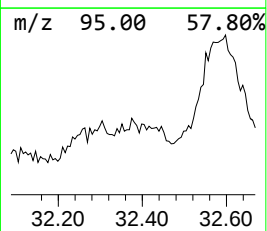
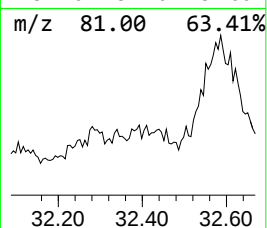
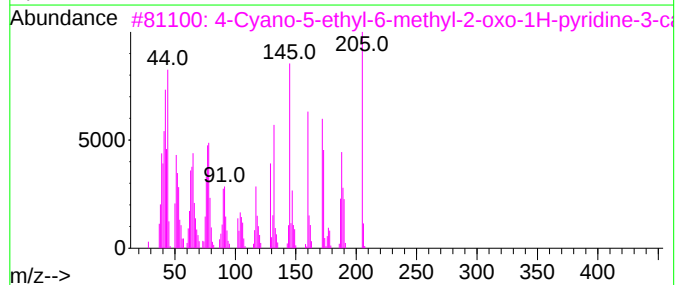
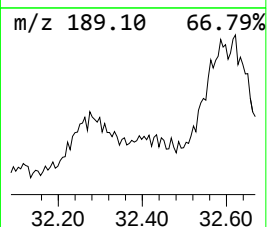
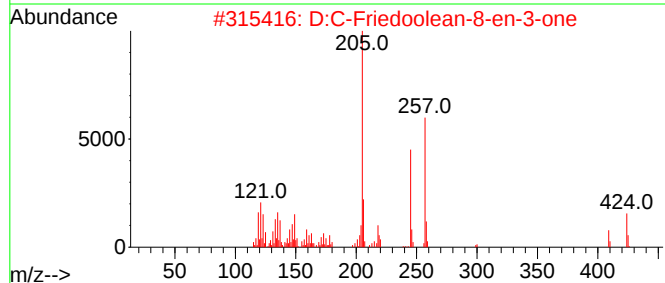
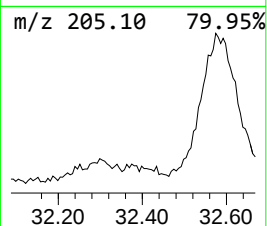
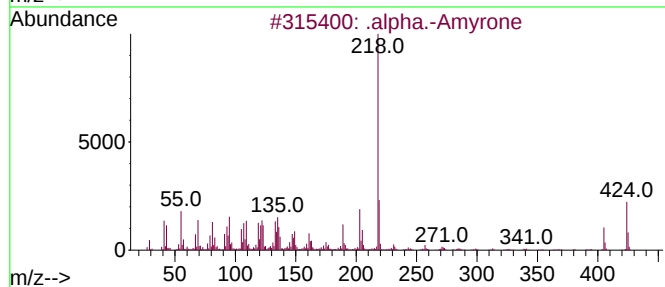
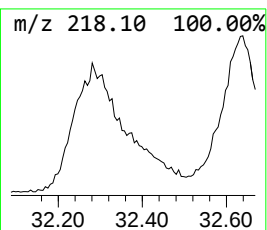
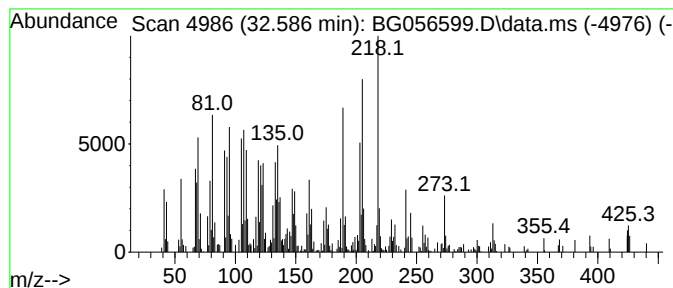
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 20 .alpha.-Amyrone Concentration Rank 7

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.   |
|--------|----------|--------|------------------|--------|
| 32.586 | 10.76 ng | 398706 | Perylene-d12     | 25.336 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|------|-------------------------------------|-----|------------|--------------|------|
| 1    |      | .alpha.-Amyrone                     | 424 | C30H48O    | 000638-96-0  | 70   |
| 2    |      | D:C-Friedoolean-8-en-3-one          | 424 | C30H48O    | 022611-26-3  | 64   |
| 3    |      | 4-Cyano-5-ethyl-6-methyl-2-oxo-1... | 205 | C10H11N3O2 | 1000435-90-0 | 53   |
| 4    |      | Gummosin, acetate                   | 424 | C26H32O5   | 014348-18-6  | 52   |
| 5    |      | [1,1,4a-Trimethyl-6-methylidene-... | 424 | C26H32O5   | 1803401-82-2 | 50   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG020923\  
 Data File : BG056599.D  
 Acq On : 9 Feb 2023 16:11  
 Operator : CG/JU  
 Sample : 01483-01  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TOPSOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG012723.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-... | 5.295  | 8.9     | ng    | 81292    | 1                     | 8.262  | 183387 | 20.0 |
| Naphthalene, 1,... | 15.113 | 5.4     | ng    | 119694   | 3                     | 14.884 | 445319 | 20.0 |
| Benzophenone       | 16.223 | 4.7     | ng    | 103860   | 3                     | 14.884 | 445319 | 20.0 |
| Neophytadiene      | 17.939 | 8.1     | ng    | 374897   | 4                     | 17.622 | 930055 | 20.0 |
| n-Hexadecanoic ... | 18.485 | 9.2     | ng    | 427448   | 4                     | 17.622 | 930055 | 20.0 |
| 17-Norkaur-15-e... | 18.814 | 4.4     | ng    | 205574   | 4                     | 17.622 | 930055 | 20.0 |
| Phytanic acid      | 19.602 | 5.8     | ng    | 267591   | 4                     | 17.622 | 930055 | 20.0 |
| Hexacosane         | 20.465 | 4.8     | ng    | 178230   | 5                     | 21.911 | 747826 | 20.0 |
| 2-Phenanthrenol... | 20.835 | 8.4     | ng    | 313095   | 5                     | 21.911 | 747826 | 20.0 |
| Heptadecane, 8-... | 20.965 | 5.2     | ng    | 195744   | 5                     | 21.911 | 747826 | 20.0 |
| Heneicosane        | 21.488 | 4.0     | ng    | 149060   | 5                     | 21.911 | 747826 | 20.0 |
| Octadecane         | 22.052 | 4.6     | ng    | 172198   | 5                     | 21.911 | 747826 | 20.0 |
| Heptacosane        | 22.686 | 11.3    | ng    | 422527   | 5                     | 21.911 | 747826 | 20.0 |
| Docosane           | 23.415 | 5.5     | ng    | 207235   | 5                     | 21.911 | 747826 | 20.0 |
| Squalene           | 23.620 | 13.2    | ng    | 491732   | 5                     | 21.911 | 747826 | 20.0 |
| unknown25.559      | 25.559 | 32.6    | ng    | 1208830  | 6                     | 25.336 | 741164 | 20.0 |
| Octacosane, 2-m... | 26.470 | 55.0    | ng    | 2037710  | 6                     | 25.336 | 741164 | 20.0 |
| unknown27.251      | 27.251 | 89.9    | ng    | 3331990  | 6                     | 25.336 | 741164 | 20.0 |
| 2,2,4a,6a,8a,9,... | 30.172 | 20.5    | ng    | 761062   | 6                     | 25.336 | 741164 | 20.0 |
| .alpha.-Amyrone    | 32.586 | 10.8    | ng    | 398706   | 6                     | 25.336 | 741164 | 20.0 |