

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG121922\  
 Data File : BG056023.D  
 Acq On : 19 Dec 2022 21:33  
 Operator : CG/JU  
 Sample : N6026-01  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 B-29-SB01

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-BG121322.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG056023.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         | 3.400       | 14            | 19          | 26           | rBV      | 30650          | 54506         | 8.01%           | 1.025%        |
| 2         | 5.416       | 357           | 362         | 368          | rBB      | 19270          | 27967         | 4.11%           | 0.526%        |
| 3         | 5.892       | 436           | 443         | 449          | rBB      | 113902         | 182592        | 26.83%          | 3.434%        |
| 4         | 7.501       | 709           | 717         | 724          | rBB      | 121104         | 210683        | 30.96%          | 3.962%        |
| 5         | 8.371       | 859           | 865         | 871          | rBB2     | 38879          | 63002         | 9.26%           | 1.185%        |
| 6         | 9.540       | 1057          | 1064        | 1072         | rBB      | 74763          | 134305        | 19.73%          | 2.526%        |
| 7         | 11.203      | 1340          | 1347        | 1353         | rBV      | 49285          | 86736         | 12.74%          | 1.631%        |
| 8         | 13.606      | 1749          | 1756        | 1763         | rBB      | 271748         | 404227        | 59.39%          | 7.602%        |
| 9         | 14.975      | 1984          | 1989        | 1995         | rVB      | 88983          | 136068        | 19.99%          | 2.559%        |
| 10        | 15.040      | 1995          | 2000        | 2004         | rBV2     | 5200           | 7986          | 1.17%           | 0.150%        |
| 11        | 15.369      | 2051          | 2056        | 2061         | rVB2     | 5132           | 7851          | 1.15%           | 0.148%        |
| 12        | 16.015      | 2161          | 2166        | 2174         | rBV2     | 6362           | 11398         | 1.67%           | 0.214%        |
| 13        | 16.450      | 2234          | 2240        | 2247         | rVB      | 209779         | 315835        | 46.41%          | 5.939%        |
| 14        | 16.673      | 2274          | 2278        | 2284         | rVB3     | 4555           | 7119          | 1.05%           | 0.134%        |
| 15        | 17.360      | 2389          | 2395        | 2400         | rBV2     | 5769           | 8058          | 1.18%           | 0.152%        |
| 16        | 17.437      | 2402          | 2408        | 2413         | rVB3     | 4316           | 7097          | 1.04%           | 0.133%        |
| 17        | 17.531      | 2419          | 2424        | 2431         | rBV3     | 4967           | 7950          | 1.17%           | 0.150%        |
| 18        | 17.713      | 2449          | 2455        | 2459         | rBV      | 122212         | 182814        | 26.86%          | 3.438%        |
| 19        | 17.754      | 2459          | 2462        | 2468         | rVB      | 96082          | 134858        | 19.81%          | 2.536%        |
| 20        | 17.848      | 2470          | 2478        | 2482         | rBV      | 20135          | 32960         | 4.84%           | 0.620%        |
| 21        | 18.107      | 2516          | 2522        | 2526         | rBV3     | 7366           | 12021         | 1.77%           | 0.226%        |
| 22        | 18.171      | 2529          | 2533        | 2538         | rVB5     | 4081           | 6939          | 1.02%           | 0.130%        |
| 23        | 18.559      | 2595          | 2599        | 2607         | rBV2     | 24693          | 50493         | 7.42%           | 0.950%        |
| 24        | 18.630      | 2607          | 2611        | 2616         | rVB      | 22120          | 31752         | 4.67%           | 0.597%        |
| 25        | 18.712      | 2618          | 2625        | 2629         | rVB      | 7621           | 12786         | 1.88%           | 0.240%        |
| 26        | 18.776      | 2629          | 2636        | 2640         | rBV2     | 22197          | 47034         | 6.91%           | 0.884%        |
| 27        | 18.812      | 2640          | 2642        | 2645         | rVB      | 12907          | 12020         | 1.77%           | 0.226%        |
| 28        | 19.064      | 2680          | 2685        | 2689         | rBV      | 17639          | 25122         | 3.69%           | 0.472%        |
| 29        | 19.105      | 2689          | 2692        | 2700         | rVB3     | 11420          | 20886         | 3.07%           | 0.393%        |
| 30        | 19.305      | 2719          | 2726        | 2731         | rBV4     | 10807          | 22652         | 3.33%           | 0.426%        |
| 31        | 19.352      | 2731          | 2734        | 2738         | rBV2     | 8383           | 12250         | 1.80%           | 0.230%        |
| 32        | 19.399      | 2738          | 2742        | 2750         | rVB5     | 6633           | 11247         | 1.65%           | 0.212%        |
| 33        | 19.476      | 2750          | 2755        | 2761         | rBV      | 19119          | 35530         | 5.22%           | 0.668%        |
| 34        | 19.570      | 2769          | 2771        | 2775         | rVB3     | 8254           | 8728          | 1.28%           | 0.164%        |
| 35        | 19.622      | 2775          | 2780        | 2785         | rBV4     | 15470          | 29563         | 4.34%           | 0.556%        |
| 36        | 19.746      | 2795          | 2801        | 2807         | rBV      | 237086         | 329622        | 48.43%          | 6.199%        |

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 Sample : N6026-01  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 B-29-SB01

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-BG121322.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |        |        |         |         |
|----|--------|------|------|------|------|--------|--------|---------|---------|
| 37 | 19.805 | 2807 | 2811 | 2812 | rBV4 | 8849   | 12324  | 1.81%   | 0.232%  |
| 38 | 19.981 | 2839 | 2841 | 2845 | rBV  | 5973   | 7526   | 1.11%   | 0.142%  |
| 39 | 20.069 | 2851 | 2856 | 2858 | rBV2 | 39032  | 61108  | 8.98%   | 1.149%  |
| 40 | 20.104 | 2858 | 2862 | 2869 | rVV  | 231224 | 341207 | 50.13%  | 6.416%  |
| 41 | 20.169 | 2869 | 2873 | 2877 | rVB  | 16243  | 23006  | 3.38%   | 0.433%  |
| 42 | 20.286 | 2886 | 2893 | 2898 | rBV  | 498416 | 680593 | 100.00% | 12.799% |
| 43 | 20.427 | 2910 | 2917 | 2921 | rBV4 | 20679  | 54513  | 8.01%   | 1.025%  |
| 44 | 20.680 | 2958 | 2960 | 2964 | rVB  | 14604  | 17670  | 2.60%   | 0.332%  |
| 45 | 20.886 | 2993 | 2995 | 2999 | rBV2 | 14165  | 16400  | 2.41%   | 0.308%  |
| 46 | 21.373 | 3075 | 3078 | 3083 | rVB2 | 20659  | 31267  | 4.59%   | 0.588%  |
| 47 | 21.608 | 3115 | 3118 | 3124 | rVB2 | 42690  | 72287  | 10.62%  | 1.359%  |
| 48 | 22.008 | 3179 | 3186 | 3193 | rBV3 | 159919 | 476147 | 69.96%  | 8.954%  |
| 49 | 22.073 | 3193 | 3197 | 3204 | rVB  | 108868 | 194829 | 28.63%  | 3.664%  |
| 50 | 24.411 | 3587 | 3595 | 3603 | rBV  | 78606  | 270746 | 39.78%  | 5.091%  |
| 51 | 25.363 | 3751 | 3757 | 3767 | rVB  | 57695  | 160394 | 23.57%  | 3.016%  |
| 52 | 25.527 | 3777 | 3785 | 3794 | rBV2 | 64620  | 204982 | 30.12%  | 3.855%  |

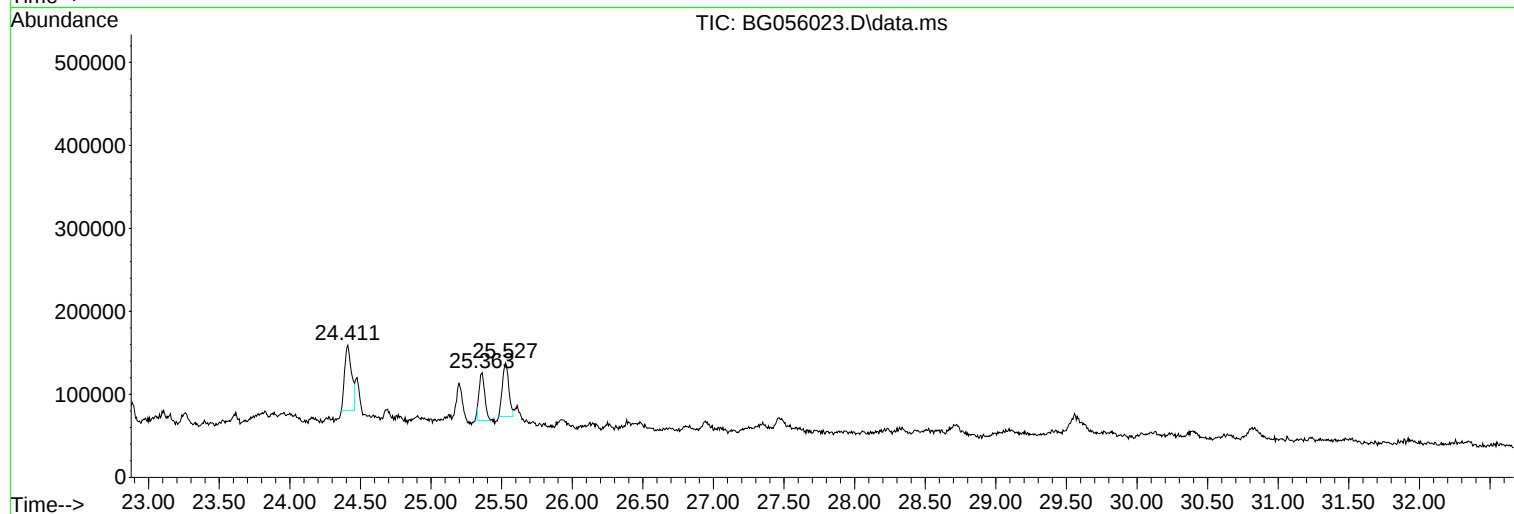
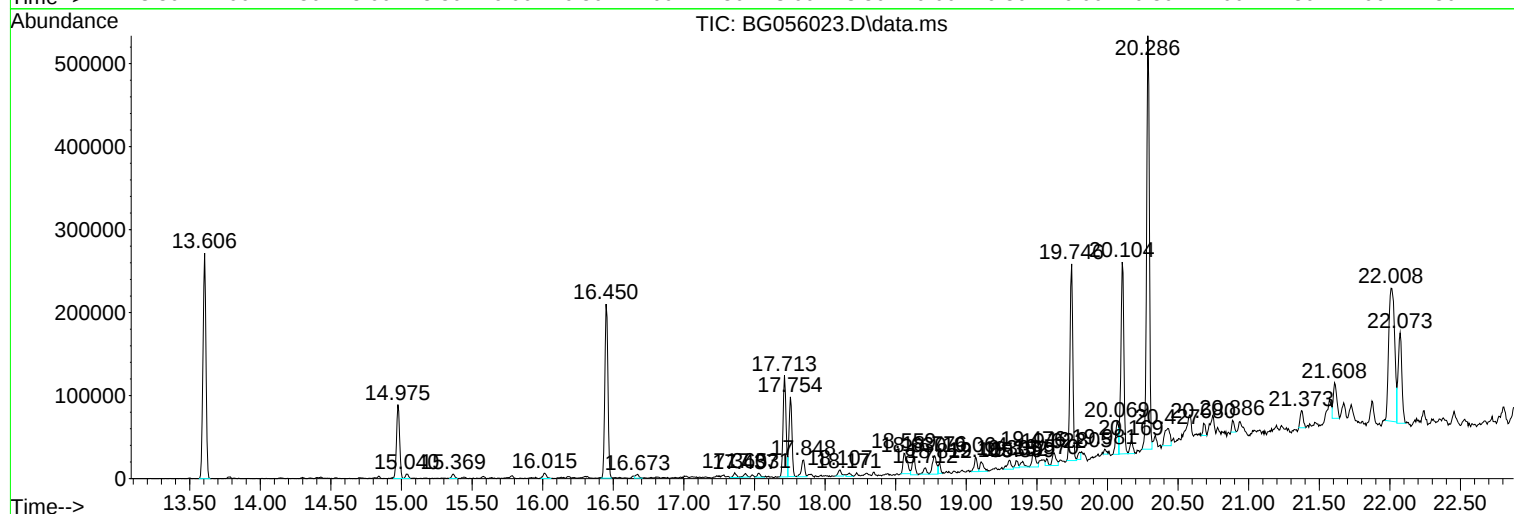
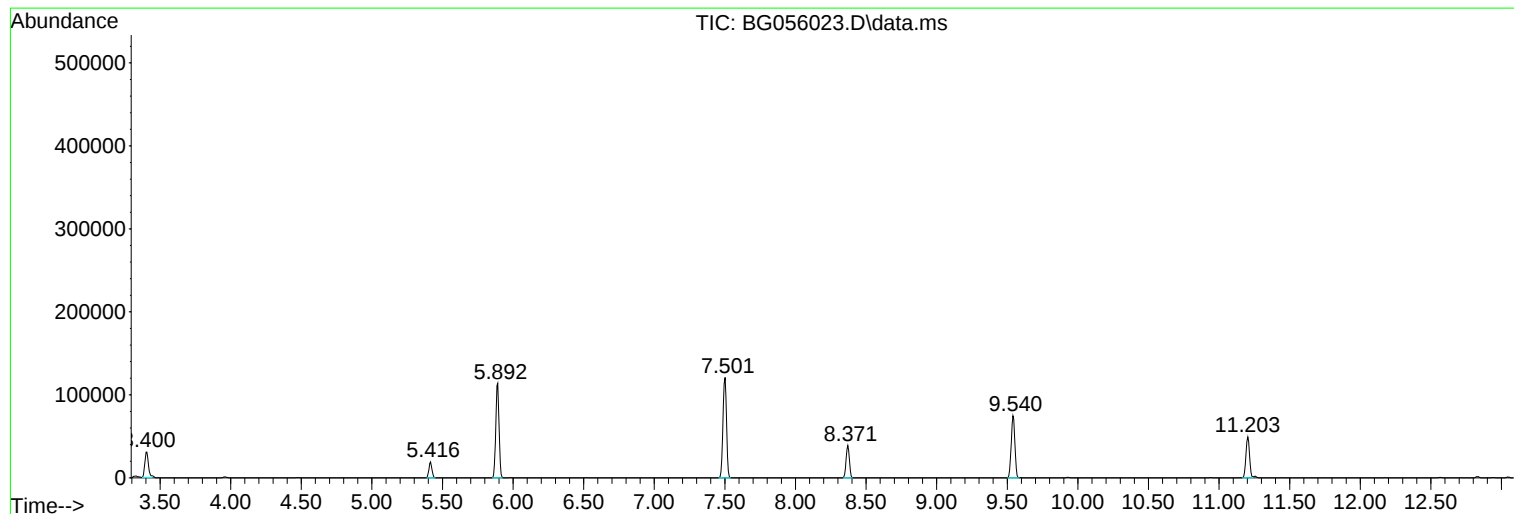
Sum of corrected areas: 5317656

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG121922\  
Data File : BG056023.D  
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Sample : N6026-01  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
B-29-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG121322.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\BG121922\  
Data File : BG056023.D  
Acq On : 19 Dec 2022 21:33  
Operator : CG/JU  
Sample : N6026-01  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
B-29-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG121322.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

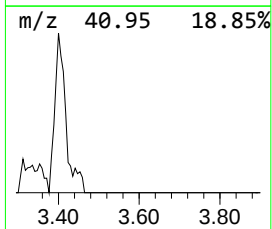
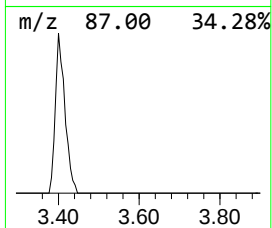
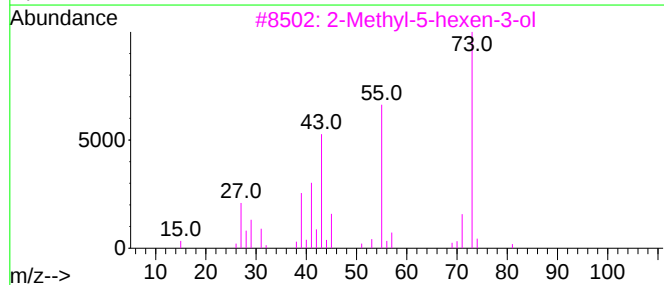
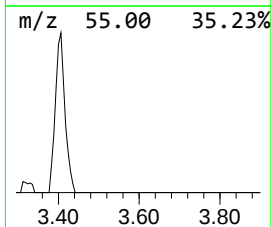
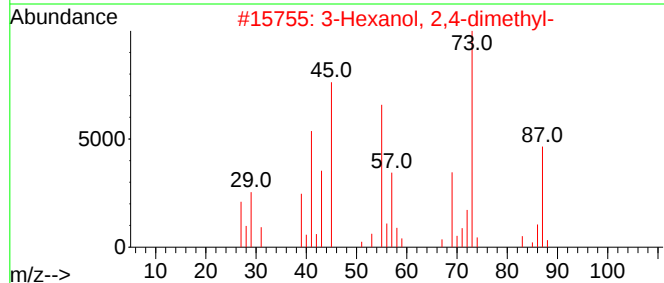
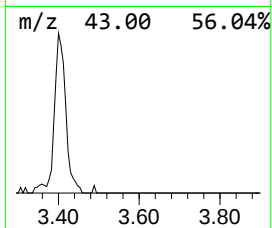
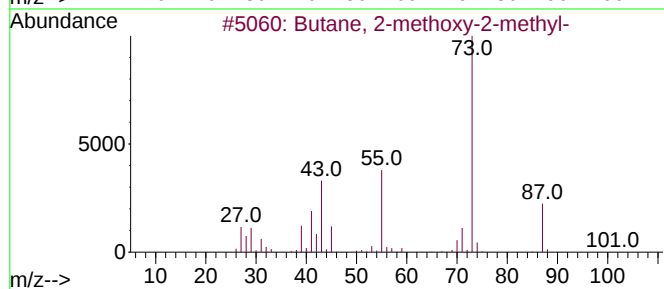
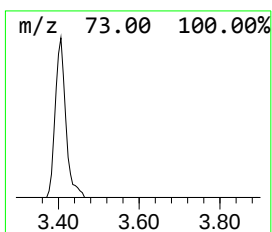
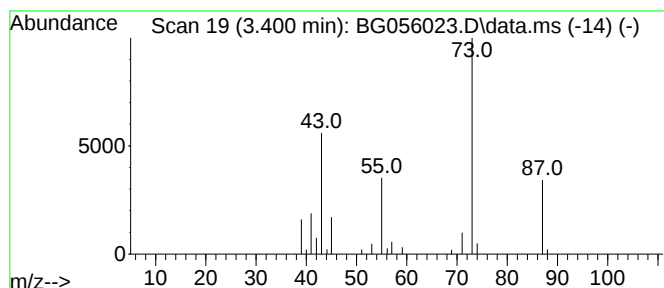
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

| R.T.  | EstConc  | Area  | Relative to ISTD       | R.T.  |
|-------|----------|-------|------------------------|-------|
| 3.400 | 17.30 ng | 54506 | 1,4-Dichlorobenzene-d4 | 8.371 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 78   |
| 2    |    |   | 3-Hexanol, 2,4-dimethyl-    | 130 | C8H18O  | 013432-25-2 | 56   |
| 3    |    |   | 2-Methyl-5-hexen-3-ol       | 114 | C7H14O  | 032815-70-6 | 43   |
| 4    |    |   | 3-Pentanol, 3-methyl-       | 102 | C6H14O  | 000077-74-7 | 33   |
| 5    |    |   | Acetamide, N-ethyl-         | 87  | C4H9NO  | 000625-50-3 | 9    |



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Sample : N6026-01  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
B-29-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG121322.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

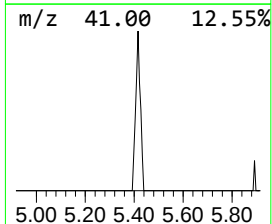
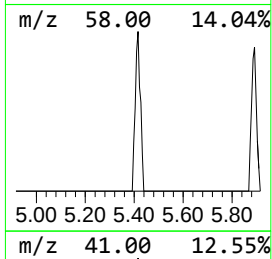
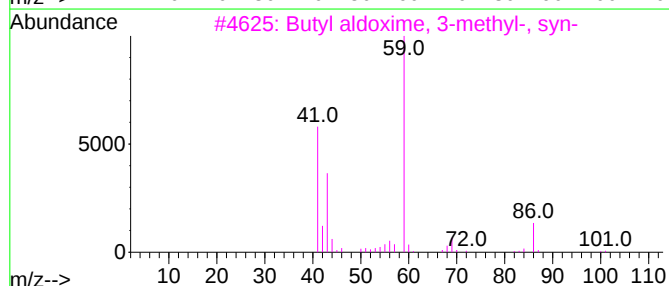
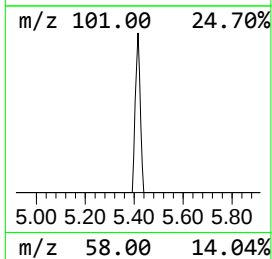
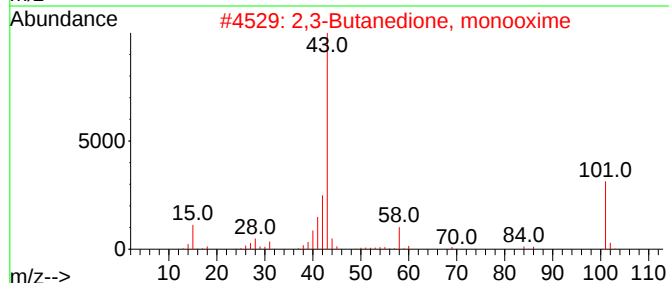
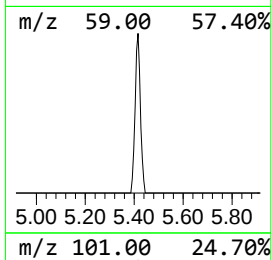
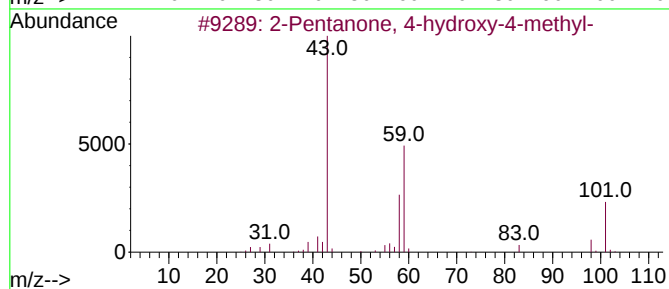
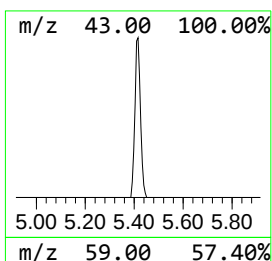
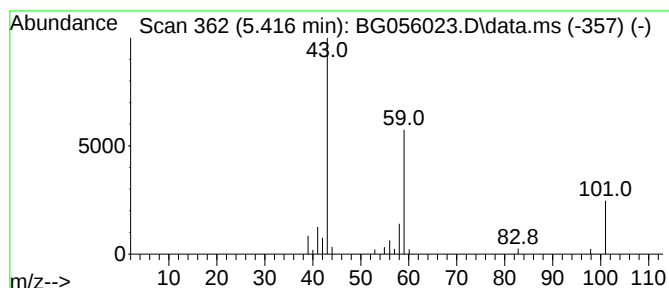
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc | Area  | Relative to ISTD       | R.T.  |
|-------|---------|-------|------------------------|-------|
| 5.416 | 8.88 ng | 27967 | 1,4-Dichlorobenzene-d4 | 8.371 |

| Hit# | of 5 | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|------|----------------------------------|-----|---------|-------------|------|
| 1    |      | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 72   |
| 2    |      | 2,3-Butanedione, monooxime       | 101 | C4H7NO2 | 000057-71-6 | 17   |
| 3    |      | Butyl aldoxime, 3-methyl-, syn-  | 101 | C5H11NO | 005780-40-5 | 17   |
| 4    |      | 1-Propen-2-ol, acetate           | 100 | C5H8O2  | 000108-22-5 | 10   |
| 5    |      | Propylamine                      | 59  | C3H9N   | 000107-10-8 | 9    |



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Sample : N6026-01  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
B-29-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG121322.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

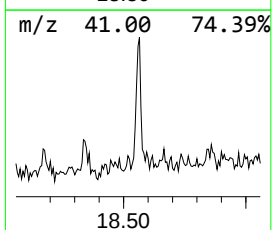
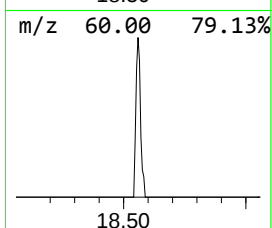
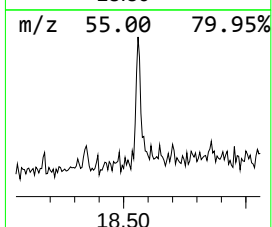
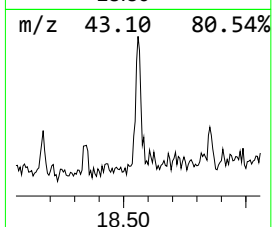
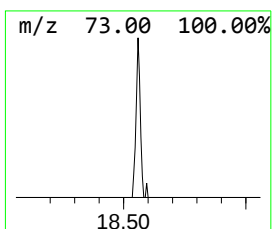
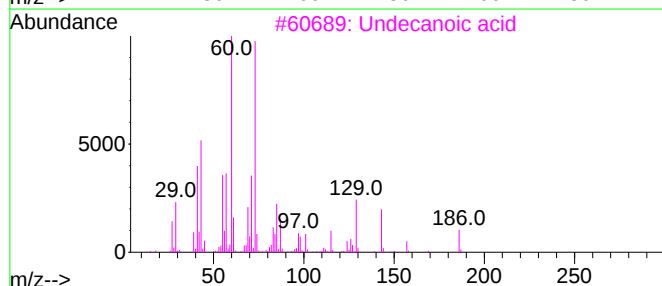
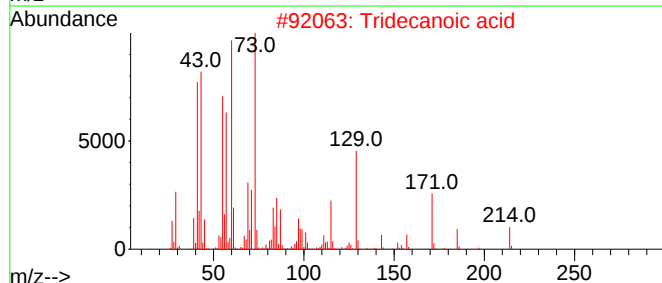
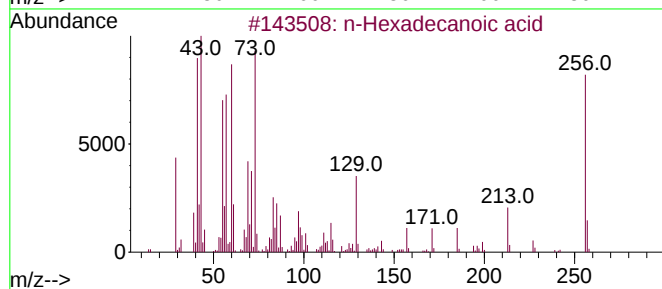
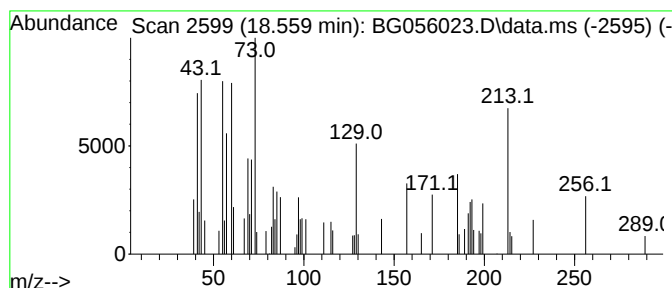
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 n-Hexadecanoic acid Concentration Rank 3

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 18.559 | 5.52 ng | 50493 | Phenanthrene-d10 | 17.713 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------|-----|----------|-------------|------|
| 1    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 91   |
| 2    |    |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 46   |
| 3    |    |   | Undecanoic acid     | 186 | C11H22O2 | 000112-37-8 | 46   |
| 4    |    |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 41   |
| 5    |    |   | Octadecanoic acid   | 284 | C18H36O2 | 000057-11-4 | 38   |



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Instrument :  
BNA\_G  
ClientSampleId :  
B-29-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG121322.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

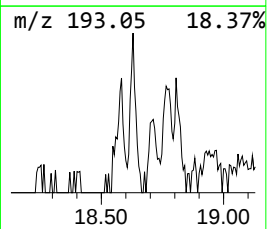
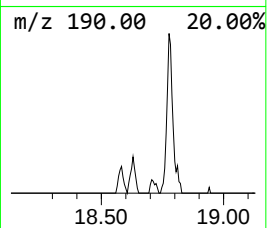
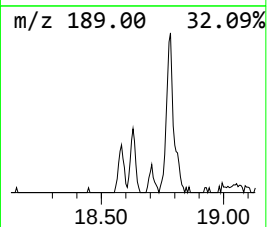
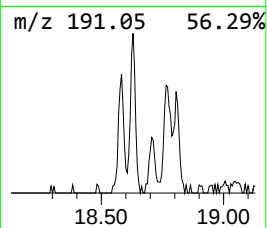
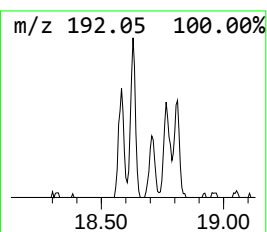
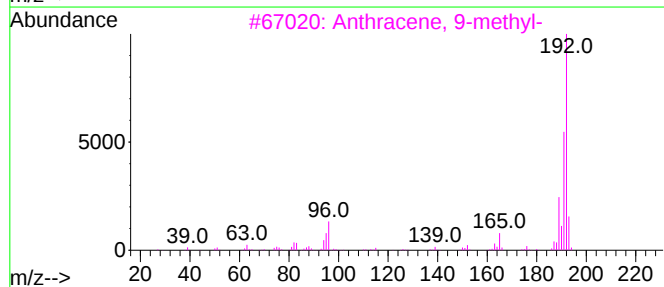
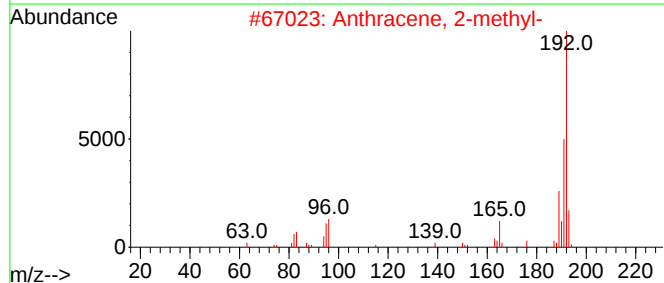
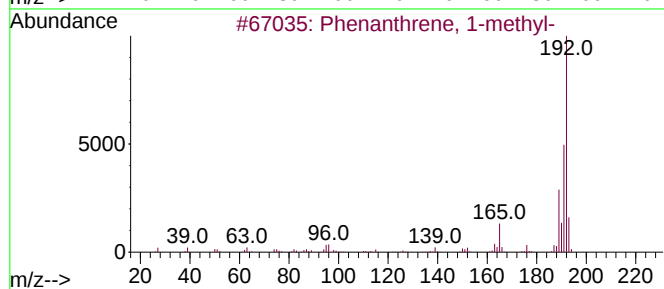
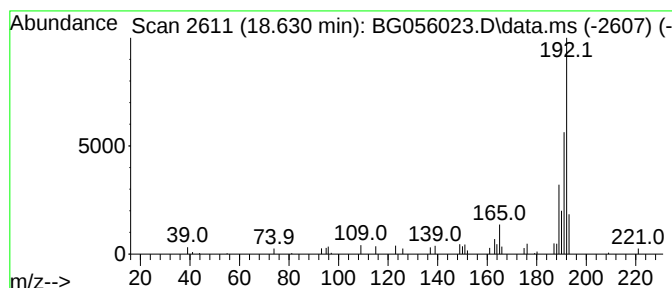
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TIC Integration Parameters: LSCINT.P

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Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 6

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 18.630 | 3.47 ng | 31752 | Phenanthrene-d10 | 17.713 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | Phenanthrene, 1-methyl- | 192 | C15H12  | 000832-69-9 | 93   |
| 2    |    |   | Anthracene, 2-methyl-   | 192 | C15H12  | 000613-12-7 | 93   |
| 3    |    |   | Anthracene, 9-methyl-   | 192 | C15H12  | 000779-02-2 | 91   |
| 4    |    |   | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 90   |
| 5    |    |   | Phenanthrene, 3-methyl- | 192 | C15H12  | 000832-71-3 | 89   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG121922\  
Data File : BG056023.D  
Acq On : 19 Dec 2022 21:33  
Operator : CG/JU  
Sample : N6026-01  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
B-29-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG121322.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

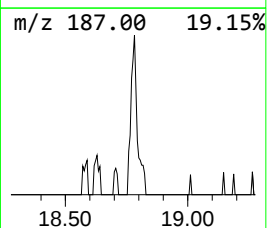
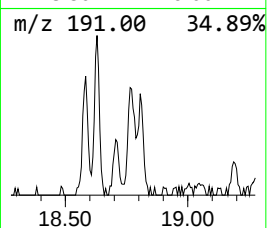
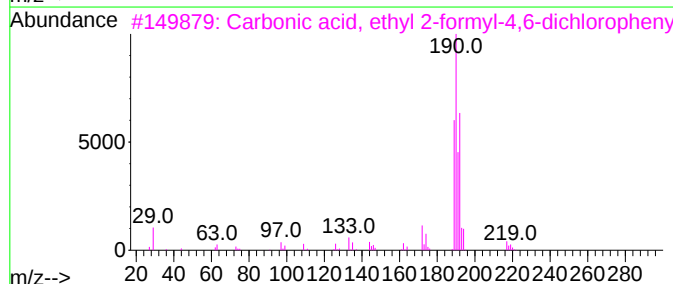
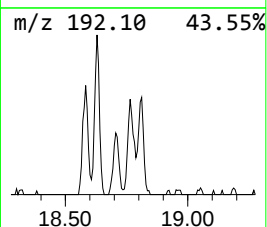
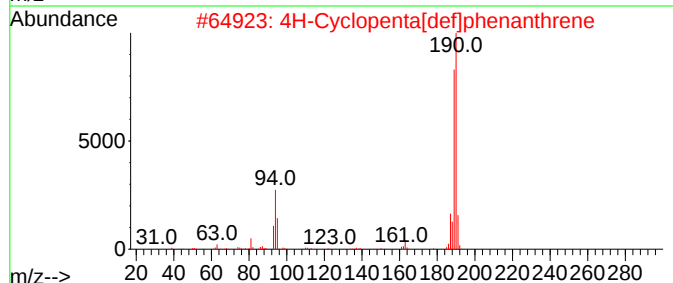
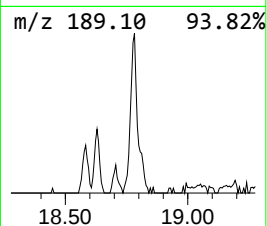
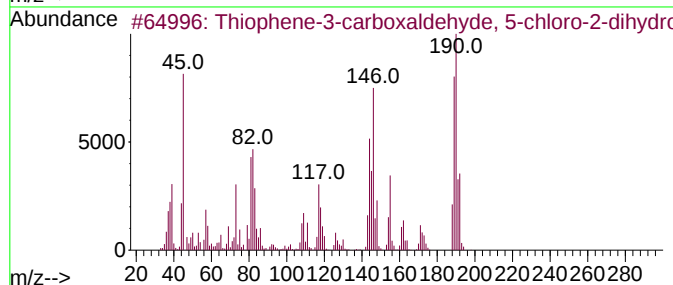
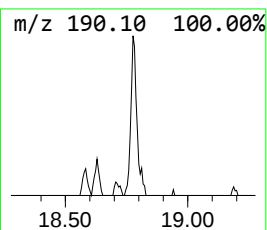
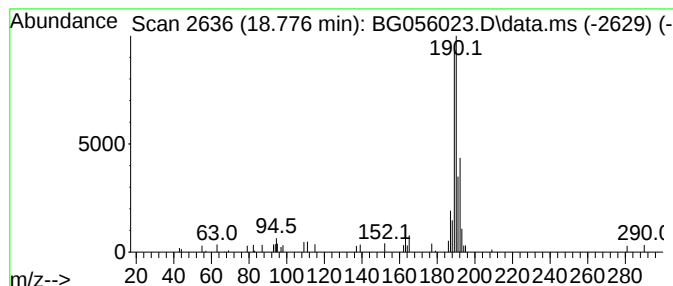
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TIC Integration Parameters: LSCINT.P

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Peak Number 5 Thiophene-3-carboxaldehyde,... Concentration Rank 4

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 18.776 | 5.15 ng | 47034 | Phenanthrene-d10 | 17.713 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-------------|--------------|------|
| 1    |    |   | Thiophene-3-carboxaldehyde, 5-ch... | 190 | C5H4BClO3S  | 036155-87-0  | 72   |
| 2    |    |   | 4H-Cyclopenta[def]phenanthrene      | 190 | C15H10      | 000203-64-5  | 64   |
| 3    |    |   | Carbonic acid, ethyl 2-formyl-4,... | 262 | C10H8Cl2O4  | 1000331-34-4 | 50   |
| 4    |    |   | 2,2'-Bis(4,5-dimethylimidazole)     | 190 | C10H14N4    | 069286-06-2  | 38   |
| 5    |    |   | Carbonic acid, 2-formyl-4,6-dich... | 276 | C11H10Cl2O4 | 1000331-39-3 | 25   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG121922\  
Data File : BG056023.D  
Acq On : 19 Dec 2022 21:33  
Operator : CG/JU  
Sample : N6026-01  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
B-29-SB01

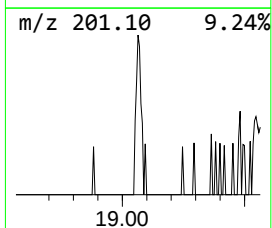
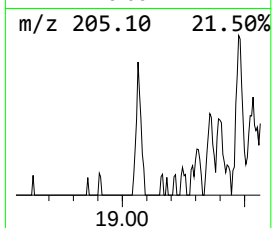
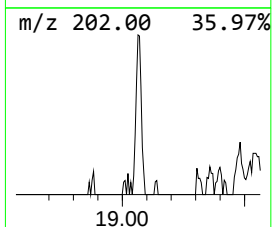
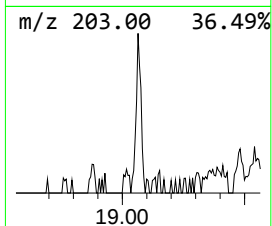
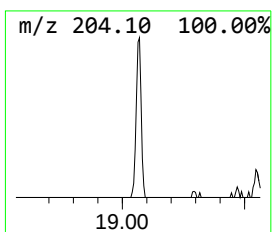
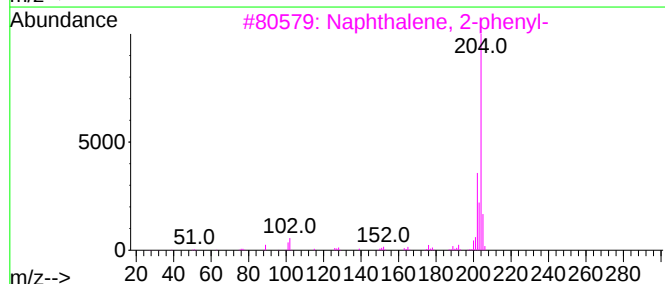
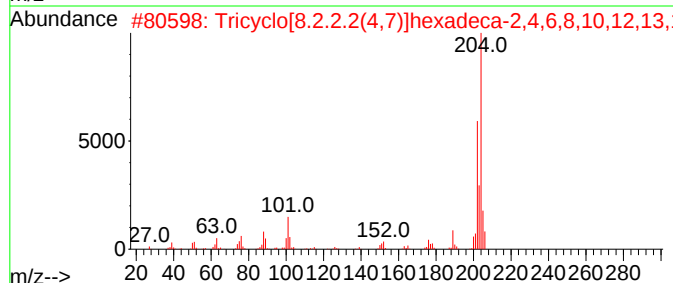
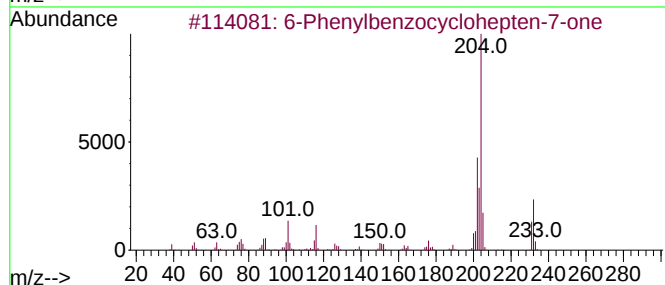
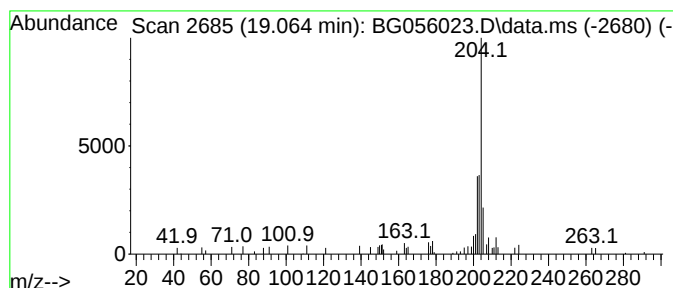
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 6 6-Phenylbenzocyclohepten-7-one Concentration Rank 9

| R.T.      | EstConc                             | Area  | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|-------|------------------|-------------|------|
| 19.064    | 2.75 ng                             | 25122 | Phenanthrene-d10 | 17.713      |      |
| Hit# of 5 | Tentative ID                        | MW    | MolForm          | CAS#        | Qual |
| 1         | 6-Phenylbenzocyclohepten-7-one      | 232   | C17H12O          | 093327-56-1 | 64   |
| 2         | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204   | C16H12           | 006572-60-7 | 64   |
| 3         | Naphthalene, 2-phenyl-              | 204   | C16H12           | 000612-94-2 | 64   |
| 4         | 5,16[1',2']:8,13[1'',2'']-Dibenz... | 408   | C32H24           | 005672-97-9 | 64   |
| 5         | 9,10-di(Chloromethyl)anthracene     | 274   | C16H12Cl2        | 010387-13-0 | 56   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG121922\  
Data File : BG056023.D  
Acq On : 19 Dec 2022 21:33  
Operator : CG/JU  
Sample : N6026-01  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
B-29-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG121322.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

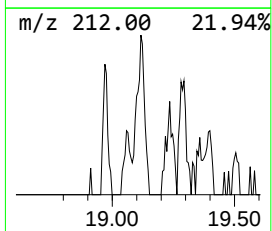
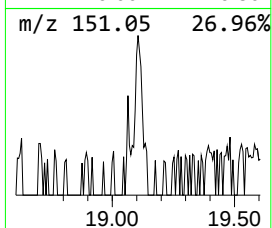
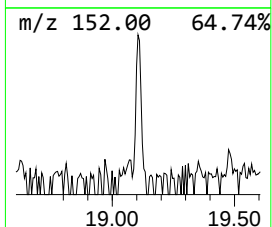
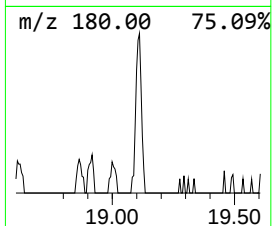
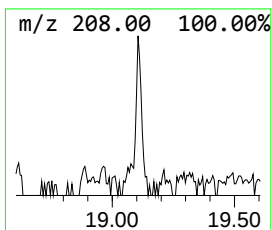
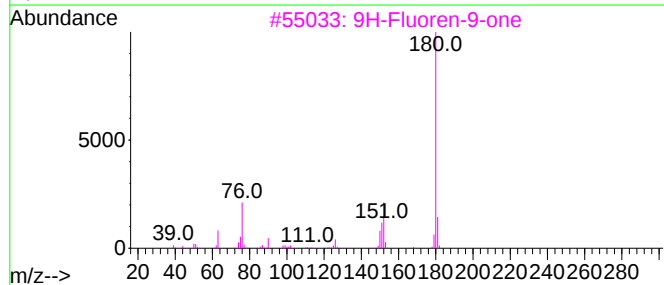
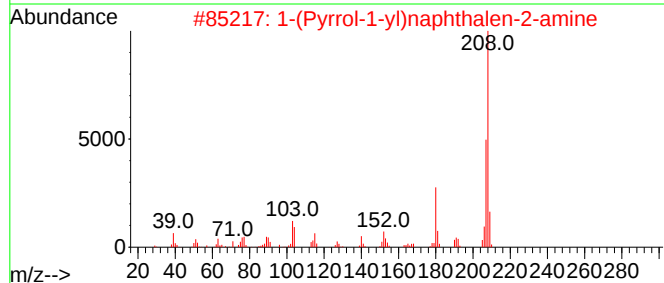
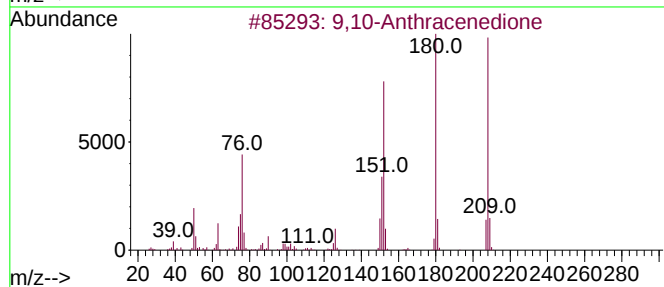
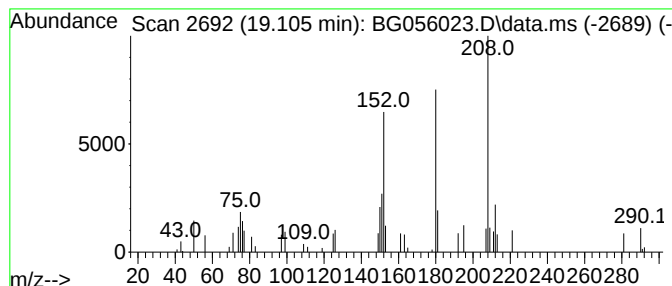
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TIC Integration Parameters: LSCINT.P

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Peak Number 7 9,10-Anthracenedione Concentration Rank 12

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 19.105 | 2.28 ng | 20886 | Phenanthrene-d10 | 17.713 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | 9,10-Anthracenedione                | 208 | C14H8O2  | 000084-65-1  | 89   |
| 2    |    |   | 1-(Pyrrol-1-yl)naphthalen-2-amine   | 208 | C14H12N2 | 1000459-83-6 | 52   |
| 3    |    |   | 9H-Fluoren-9-one                    | 180 | C13H8O   | 000486-25-9  | 49   |
| 4    |    |   | 15,19-Dioxatetracyclo[12.5.0.0(2... | 266 | C17H14O3 | 1000436-55-0 | 47   |
| 5    |    |   | Benzo[c]cinnoline                   | 180 | C12H8N2  | 000230-17-1  | 43   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG121922\  
Data File : BG056023.D  
Acq On : 19 Dec 2022 21:33  
Operator : CG/JU  
Sample : N6026-01  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
B-29-SB01

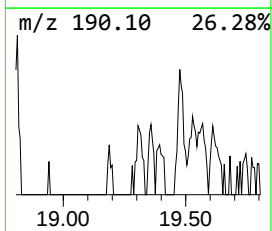
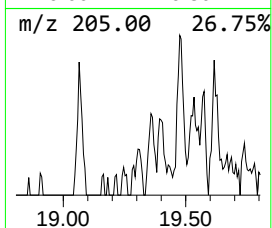
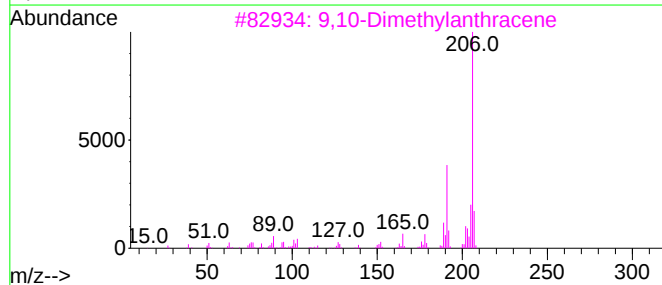
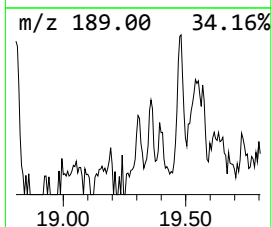
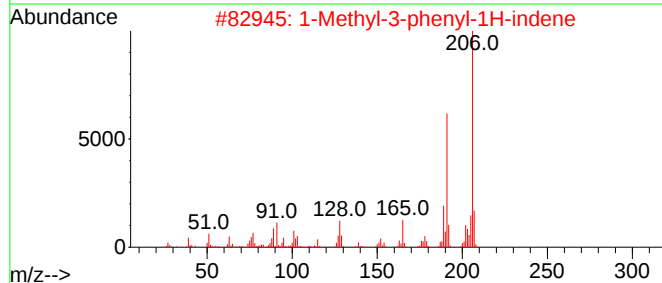
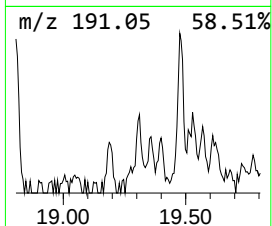
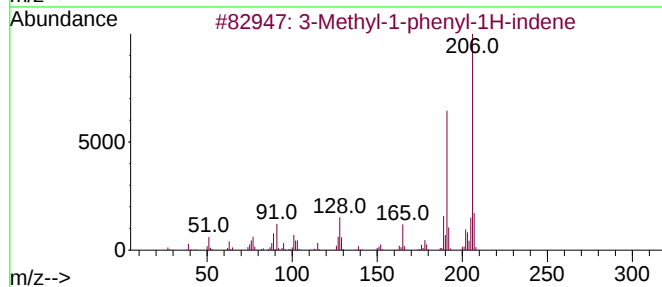
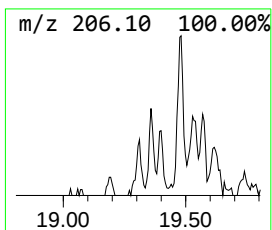
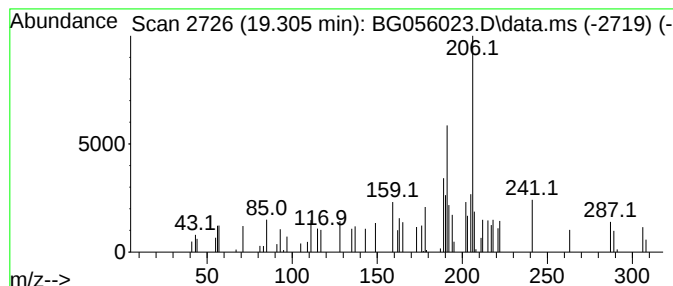
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 8 unknown19.305 Concentration Rank 10

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 19.305 | 2.48 ng | 22652 | Phenanthrene-d10 | 17.713 |

| Hit# | of 5 | Tentative ID                      | MW  | MolForm | CAS#        | Qual |
|------|------|-----------------------------------|-----|---------|-------------|------|
| 1    |      | 3-Methyl-1-phenyl-1H-indene       | 206 | C16H14  | 022360-63-0 | 49   |
| 2    |      | 1-Methyl-3-phenyl-1H-indene       | 206 | C16H14  | 022360-62-9 | 49   |
| 3    |      | 9,10-Dimethylantracene            | 206 | C16H14  | 000781-43-1 | 49   |
| 4    |      | Phenanthrene, 4,5-dimethyl-       | 206 | C16H14  | 003674-69-9 | 49   |
| 5    |      | 1,3-Diphenyl-3-methylcyclopropene | 206 | C16H14  | 086544-79-8 | 49   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG121922\  
Data File : BG056023.D  
Acq On : 19 Dec 2022 21:33  
Operator : CG/JU  
Sample : N6026-01  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
B-29-SB01

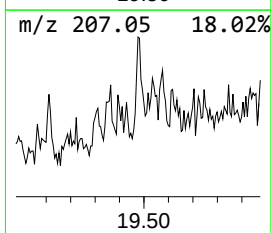
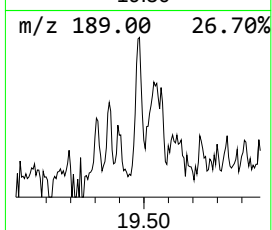
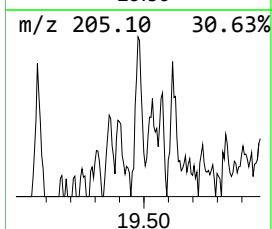
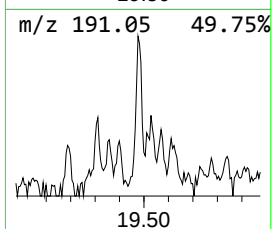
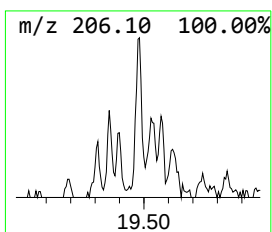
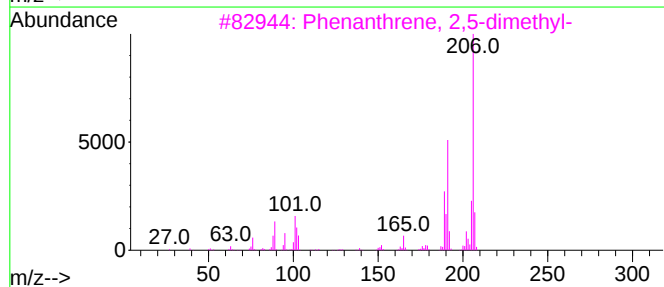
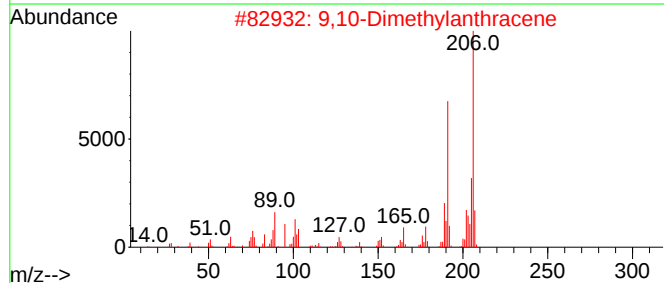
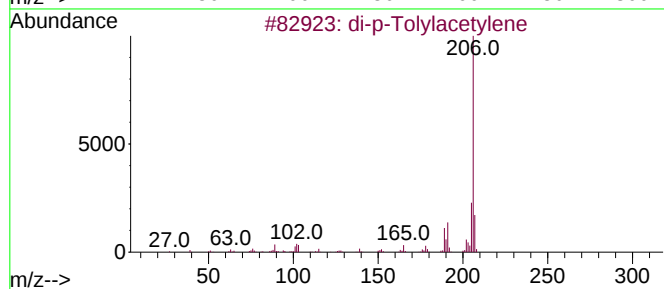
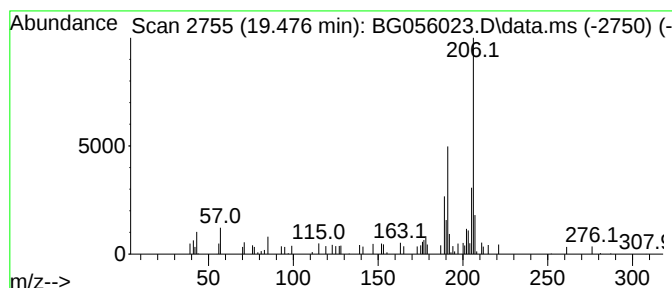
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 9 di-p-Tolylacetylene Concentration Rank 5

| R.T.      | EstConc                             | Area  | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|-------|------------------|-------------|------|
| 19.476    | 3.89 ng                             | 35530 | Phenanthrene-d10 | 17.713      |      |
| Hit# of 5 | Tentative ID                        | MW    | MolForm          | CAS#        | Qual |
| 1         | di-p-Tolylacetylene                 | 206   | C16H14           | 002789-88-0 | 91   |
| 2         | 9,10-Dimethylantracene              | 206   | C16H14           | 000781-43-1 | 90   |
| 3         | Phenanthrene, 2,5-dimethyl-         | 206   | C16H14           | 003674-66-6 | 87   |
| 4         | [14]Annulene, 1,6:8,13-bis(metha... | 206   | C16H14           | 085385-68-8 | 83   |
| 5         | Phenanthrene, 3,6-dimethyl-         | 206   | C16H14           | 001576-67-6 | 76   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG121922\  
Data File : BG056023.D  
Acq On : 19 Dec 2022 21:33  
Operator : CG/JU  
Sample : N6026-01  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
B-29-SB01

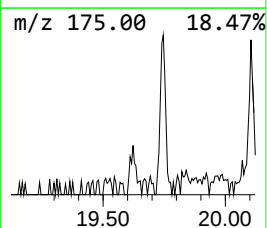
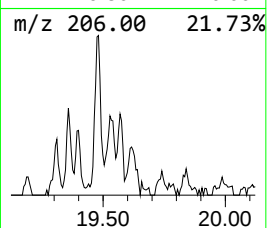
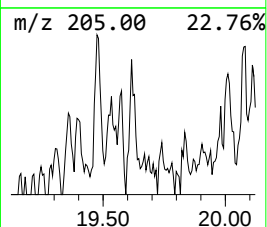
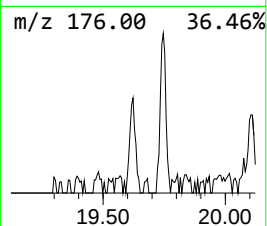
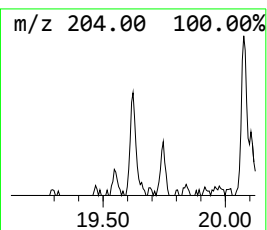
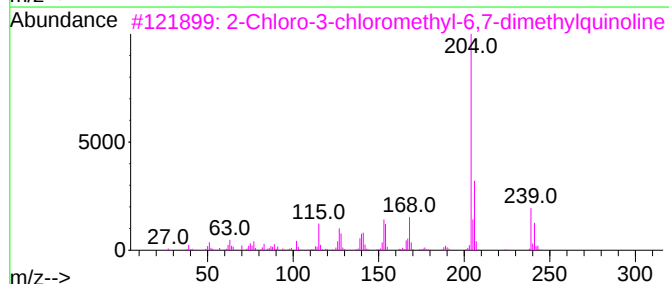
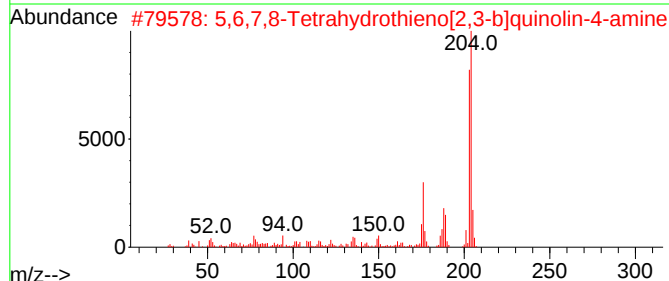
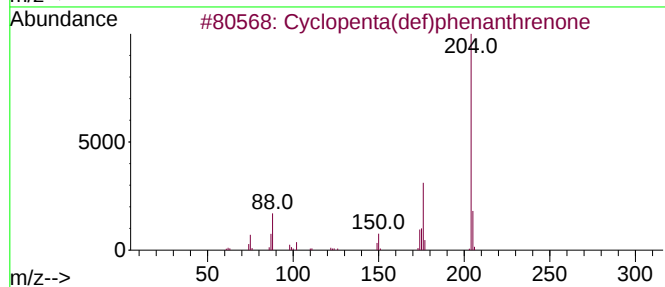
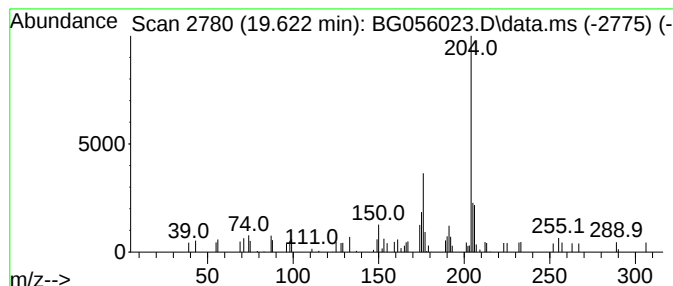
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 10 Cyclopenta(def)phenanthrene Concentration Rank 7

| R.T.      | EstConc                             | Area  | Relative to ISTD |            | R.T.        |      |
|-----------|-------------------------------------|-------|------------------|------------|-------------|------|
| 19.622    | 3.23 ng                             | 29563 | Phenanthrene-d10 |            | 17.713      |      |
| Hit# of 5 | Tentative ID                        |       | MW               | MolForm    | CAS#        | Qual |
| 1         | Cyclopenta(def)phenanthrenone       |       | 204              | C15H8O     | 005737-13-3 | 62   |
| 2         | 5,6,7,8-Tetrahydrothieno[2,3-b]q... |       | 204              | C11H12N2S  | 122914-50-5 | 53   |
| 3         | 2-Chloro-3-chloromethyl-6,7-dime... |       | 239              | C12H11Cl2N | 182052-67-1 | 50   |
| 4         | Tetracyano-p-quinodimethane         |       | 204              | C12H4N4    | 001518-16-7 | 47   |
| 5         | Pyrene, 4,5-dihydro-                |       | 204              | C16H12     | 006628-98-4 | 47   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG121922\  
Data File : BG056023.D  
Acq On : 19 Dec 2022 21:33  
Operator : CG/JU  
Sample : N6026-01  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
B-29-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG121322.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

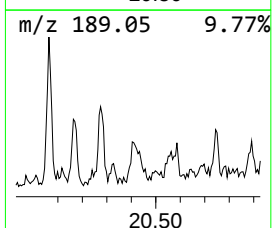
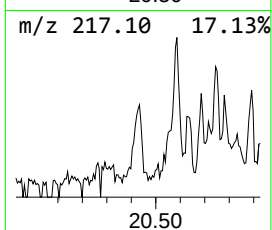
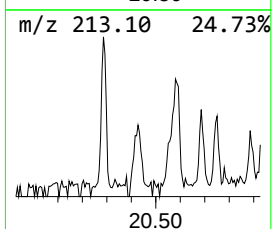
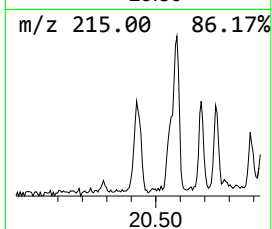
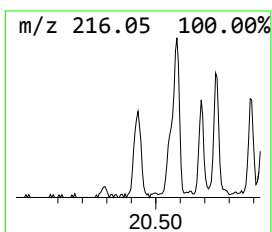
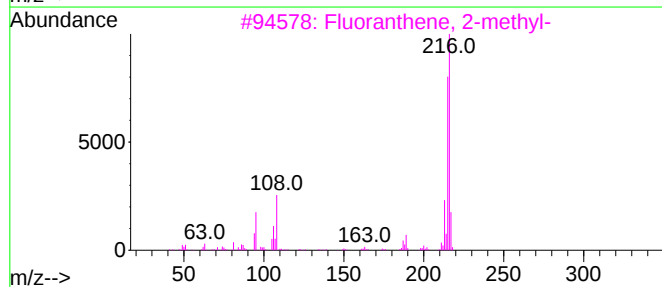
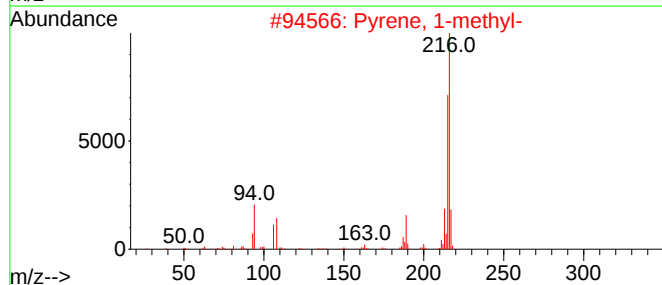
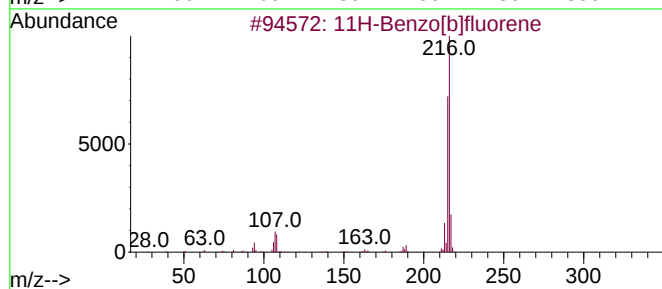
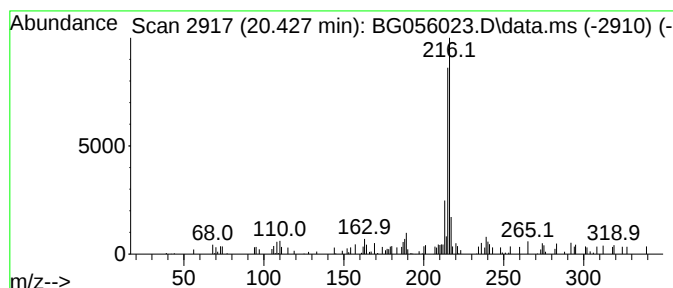
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 11 11H-Benzo[b]fluorene Concentration Rank 11

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 20.427 | 2.29 ng | 54513 | Chrysene-d12     | 22.026 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | 11H-Benzo[b]fluorene    | 216 | C17H12  | 000243-17-4 | 90   |
| 2    |    |   | Pyrene, 1-methyl-       | 216 | C17H12  | 002381-21-7 | 76   |
| 3    |    |   | Fluoranthene, 2-methyl- | 216 | C17H12  | 033543-31-6 | 76   |
| 4    |    |   | 11H-Benzo[a]fluorene    | 216 | C17H12  | 000238-84-6 | 76   |
| 5    |    |   | 7H-Benzo[c]fluorene     | 216 | C17H12  | 000205-12-9 | 59   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG121922\  
Data File : BG056023.D  
Acq On : 19 Dec 2022 21:33  
Operator : CG/JU  
Sample : N6026-01  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
B-29-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG121322.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

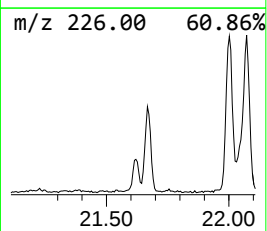
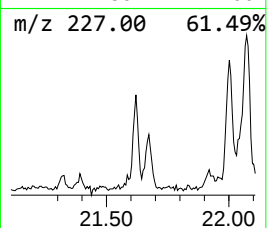
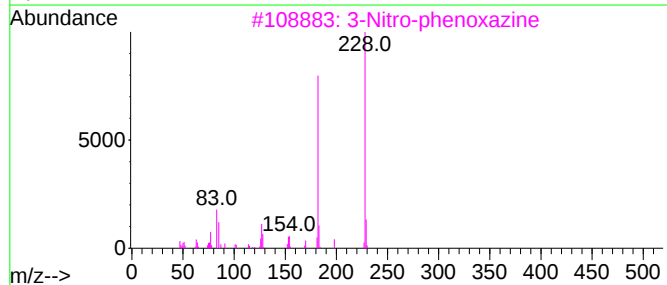
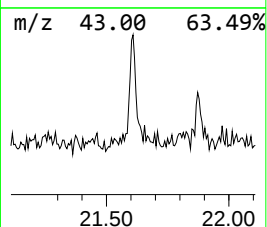
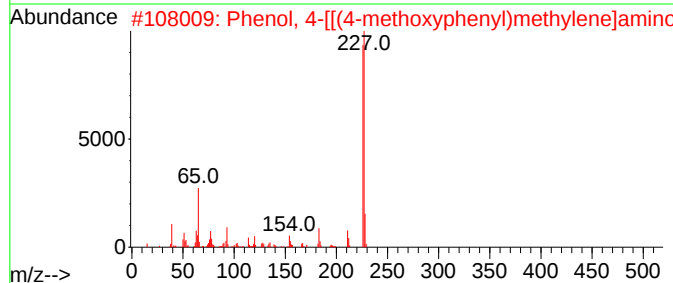
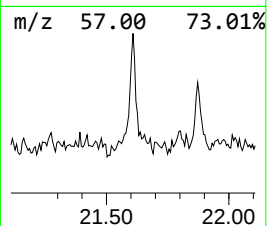
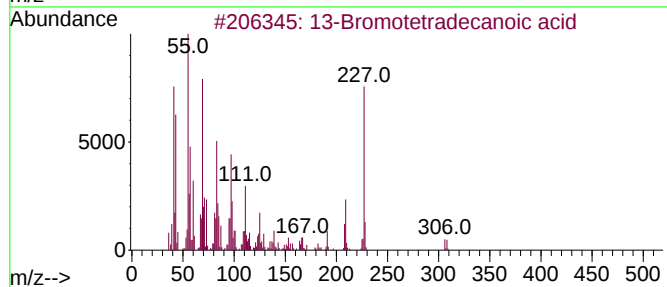
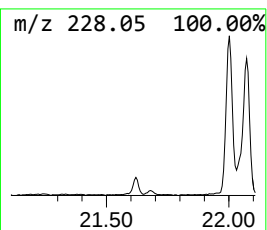
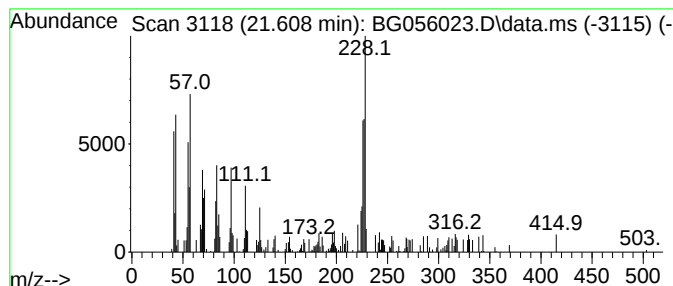
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 12 unknown21.608 Concentration Rank 8

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 21.608 | 3.04 ng | 72287 | Chrysene-d12     | 22.026 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|------|-------------------------------------|-----|------------|--------------|------|
| 1    |      | 13-Bromotetradecanoic acid          | 306 | C14H27BrO2 | 1000099-12-8 | 42   |
| 2    |      | Phenol, 4-[[[4-methoxyphenyl)met... | 227 | C14H13NO2  | 003230-39-5  | 18   |
| 3    |      | 3-Nitro-phenoxazine                 | 228 | C12H8N2O3  | 020464-44-2  | 18   |
| 4    |      | 3H-Spiro[1,3-benzothiazole-2,3'-... | 254 | C14H10N2OS | 120105-59-1  | 18   |
| 5    |      | Ferrocene, acetyl-                  | 228 | C12H12FeO  | 001271-55-2  | 18   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG121922\  
Data File : BG056023.D  
Acq On : 19 Dec 2022 21:33  
Operator : CG/JU  
Sample : N6026-01  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
B-29-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG121322.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 |
| Butane, 2-metho... | 3.400  | 17.3    | ng    | 54506    | 1                     | 8.371  | 63002  | 20.0 |
| 2-Pentanone, 4-... | 5.416  | 8.9     | ng    | 27967    | 1                     | 8.371  | 63002  | 20.0 |
| n-Hexadecanoic ... | 18.559 | 5.5     | ng    | 50493    | 4                     | 17.713 | 182814 | 20.0 |
| Phenanthrene, 1... | 18.630 | 3.5     | ng    | 31752    | 4                     | 17.713 | 182814 | 20.0 |
| Thiophene-3-car... | 18.776 | 5.2     | ng    | 47034    | 4                     | 17.713 | 182814 | 20.0 |
| 6-Phenylbenzocy... | 19.064 | 2.8     | ng    | 25122    | 4                     | 17.713 | 182814 | 20.0 |
| 9,10-Anthracene... | 19.105 | 2.3     | ng    | 20886    | 4                     | 17.713 | 182814 | 20.0 |
| unknown19.305      | 19.305 | 2.5     | ng    | 22652    | 4                     | 17.713 | 182814 | 20.0 |
| di-p-Tolylacety... | 19.476 | 3.9     | ng    | 35530    | 4                     | 17.713 | 182814 | 20.0 |
| Cyclopenta(def)... | 19.622 | 3.2     | ng    | 29563    | 4                     | 17.713 | 182814 | 20.0 |
| 11H-Benzo[b]flu... | 20.427 | 2.3     | ng    | 54513    | 5                     | 22.026 | 476147 | 20.0 |
| unknown21.608      | 21.608 | 3.0     | ng    | 72287    | 5                     | 22.026 | 476147 | 20.0 |