

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042123\  
 Data File : BM039564.D  
 Acq On : 21 Apr 2023 22:52  
 Operator : CG/JU  
 Sample : 02416-01  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 NATIONAL-GRID-COMP

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\_M\Methods\8270-BM041723.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM039564.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 4.301       | 210           | 215         | 222          | rBV      | 112142         | 155442        | 2.18%           | 0.293%        |
| 2         | 4.913       | 313           | 319         | 329          | rBV      | 249815         | 359265        | 5.03%           | 0.677%        |
| 3         | 5.384       | 393           | 399         | 424          | rBV      | 2243618        | 3480483       | 48.76%          | 6.563%        |
| 4         | 5.795       | 464           | 469         | 479          | rBV      | 41094          | 88680         | 1.24%           | 0.167%        |
| 5         | 7.001       | 664           | 674         | 695          | rBV      | 2252611        | 3972047       | 55.65%          | 7.490%        |
| 6         | 7.472       | 749           | 754         | 764          | rBV3     | 42797          | 93645         | 1.31%           | 0.177%        |
| 7         | 7.813       | 806           | 812         | 823          | rBV      | 615750         | 1039488       | 14.56%          | 1.960%        |
| 8         | 8.360       | 899           | 905         | 916          | rBV      | 50307          | 106722        | 1.50%           | 0.201%        |
| 9         | 8.989       | 1004          | 1012        | 1027         | rBV      | 1427740        | 2533302       | 35.49%          | 4.777%        |
| 10        | 10.624      | 1279          | 1290        | 1296         | rBV      | 811420         | 1456346       | 20.40%          | 2.746%        |
| 11        | 10.672      | 1296          | 1298        | 1306         | rVB      | 67626          | 108372        | 1.52%           | 0.204%        |
| 12        | 12.295      | 1567          | 1574        | 1581         | rBV2     | 69556          | 139512        | 1.95%           | 0.263%        |
| 13        | 12.513      | 1601          | 1611        | 1620         | rVB      | 63074          | 122851        | 1.72%           | 0.232%        |
| 14        | 13.095      | 1703          | 1710        | 1729         | rBV      | 3809344        | 5651347       | 79.17%          | 10.657%       |
| 15        | 13.795      | 1823          | 1829        | 1834         | rBV      | 60590          | 106172        | 1.49%           | 0.200%        |
| 16        | 13.848      | 1834          | 1838        | 1847         | rVB2     | 38088          | 72574         | 1.02%           | 0.137%        |
| 17        | 14.195      | 1892          | 1897        | 1909         | rBV      | 140836         | 241753        | 3.39%           | 0.456%        |
| 18        | 14.471      | 1934          | 1944        | 1951         | rBV      | 1231467        | 1886915       | 26.44%          | 3.558%        |
| 19        | 14.536      | 1951          | 1955        | 1965         | rVB2     | 50717          | 104974        | 1.47%           | 0.198%        |
| 20        | 15.524      | 2118          | 2123        | 2135         | rVB2     | 98740          | 179035        | 2.51%           | 0.338%        |
| 21        | 15.836      | 2169          | 2176        | 2189         | rBV      | 561832         | 854339        | 11.97%          | 1.611%        |
| 22        | 15.965      | 2190          | 2198        | 2211         | rBV      | 1845019        | 2823974       | 39.56%          | 5.325%        |
| 23        | 16.201      | 2231          | 2238        | 2249         | rVB5     | 59777          | 167725        | 2.35%           | 0.316%        |
| 24        | 16.401      | 2267          | 2272        | 2283         | rBV      | 94660          | 137818        | 1.93%           | 0.260%        |
| 25        | 17.224      | 2406          | 2412        | 2416         | rBV      | 1416199        | 2035601       | 28.52%          | 3.838%        |
| 26        | 17.265      | 2416          | 2419        | 2424         | rVV      | 838701         | 1194643       | 16.74%          | 2.253%        |
| 27        | 17.312      | 2424          | 2427        | 2430         | rVV      | 115746         | 145930        | 2.04%           | 0.275%        |
| 28        | 17.359      | 2431          | 2435        | 2440         | rVV      | 170974         | 256226        | 3.59%           | 0.483%        |
| 29        | 18.106      | 2557          | 2562        | 2563         | rBV      | 201062         | 266979        | 3.74%           | 0.503%        |
| 30        | 18.153      | 2567          | 2570        | 2575         | rVB      | 258687         | 375088        | 5.25%           | 0.707%        |
| 31        | 18.236      | 2581          | 2584        | 2589         | rVB      | 65352          | 83240         | 1.17%           | 0.157%        |
| 32        | 18.300      | 2589          | 2595        | 2598         | rVV2     | 223730         | 415539        | 5.82%           | 0.784%        |
| 33        | 18.336      | 2599          | 2601        | 2610         | rVB      | 145547         | 187524        | 2.63%           | 0.354%        |
| 34        | 18.412      | 2611          | 2614        | 2619         | rBV2     | 53674          | 77322         | 1.08%           | 0.146%        |
| 35        | 18.606      | 2643          | 2647        | 2651         | rBV      | 97605          | 136851        | 1.92%           | 0.258%        |
| 36        | 19.024      | 2714          | 2718        | 2724         | rBV2     | 134156         | 250612        | 3.51%           | 0.473%        |

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Instrument :  
 BNA\_M  
 ClientSampleId :  
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Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM041723.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 37 | 19.289 | 2758 | 2763 | 2769 | rBV  | 1198718 | 1594011 | 22.33%  | 3.006%  |
| 38 | 19.653 | 2816 | 2825 | 2834 | rBV  | 1278587 | 2108508 | 29.54%  | 3.976%  |
| 39 | 19.853 | 2854 | 2859 | 2869 | rVB  | 5622604 | 7137908 | 100.00% | 13.460% |
| 40 | 20.147 | 2907 | 2909 | 2915 | rVB2 | 280799  | 396664  | 5.56%   | 0.748%  |
| 41 | 20.247 | 2923 | 2926 | 2930 | rVB  | 162975  | 189731  | 2.66%   | 0.358%  |
| 42 | 20.306 | 2933 | 2936 | 2940 | rVB  | 177904  | 220669  | 3.09%   | 0.416%  |
| 43 | 20.447 | 2957 | 2960 | 2964 | rBV  | 130284  | 166388  | 2.33%   | 0.314%  |
| 44 | 20.494 | 2965 | 2968 | 2973 | rVV  | 129615  | 177183  | 2.48%   | 0.334%  |
| 45 | 21.141 | 3073 | 3078 | 3085 | rVB4 | 285017  | 577969  | 8.10%   | 1.090%  |
| 46 | 21.324 | 3107 | 3109 | 3113 | rVB  | 214573  | 213392  | 2.99%   | 0.402%  |
| 47 | 21.418 | 3118 | 3125 | 3129 | rVV2 | 1899147 | 3492166 | 48.92%  | 6.585%  |
| 48 | 21.453 | 3129 | 3131 | 3140 | rVB  | 752449  | 922341  | 12.92%  | 1.739%  |
| 49 | 23.059 | 3398 | 3404 | 3409 | rBV2 | 526597  | 1321298 | 18.51%  | 2.492%  |
| 50 | 23.571 | 3488 | 3491 | 3498 | rVB  | 374702  | 583410  | 8.17%   | 1.100%  |
| 51 | 23.777 | 3521 | 3526 | 3532 | rBV2 | 979976  | 1746492 | 24.47%  | 3.293%  |
| 52 | 24.353 | 3620 | 3624 | 3635 | rVB2 | 415137  | 874697  | 12.25%  | 1.649%  |

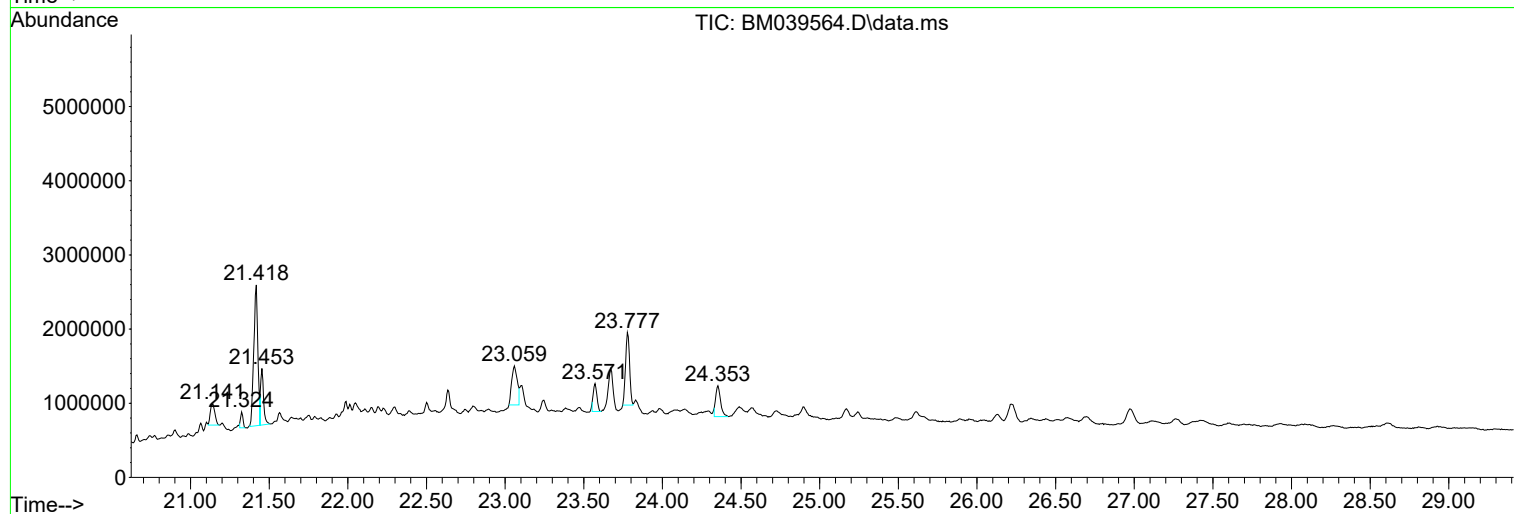
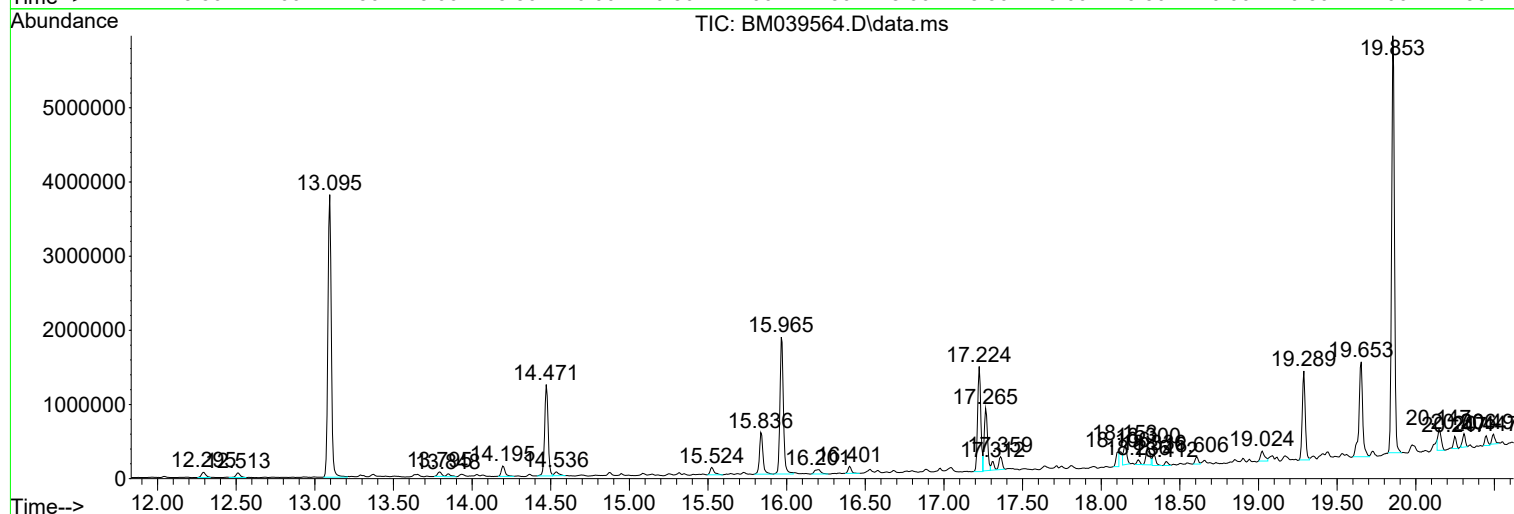
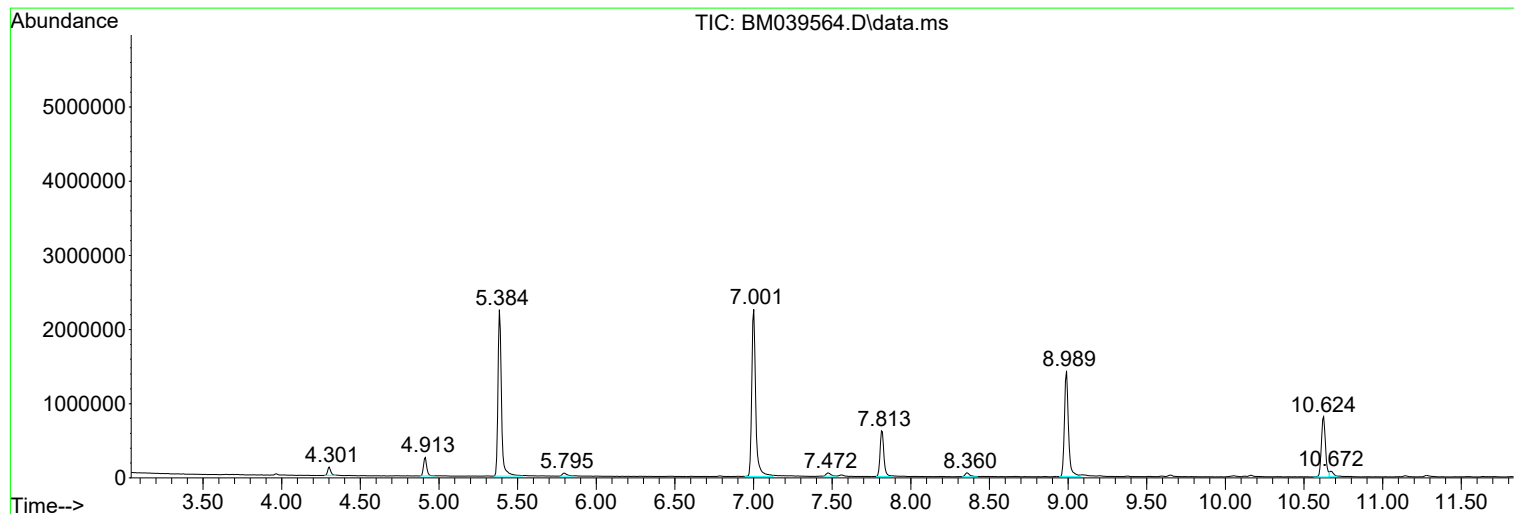
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Instrument :  
BNA\_M  
ClientSampleId :  
NATIONAL-GRID-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM041723.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\_M\Data\BM042123\  
Data File : BM039564.D  
Acq On : 21 Apr 2023 22:52  
Operator : CG/JU  
Sample : 02416-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
NATIONAL-GRID-COMP

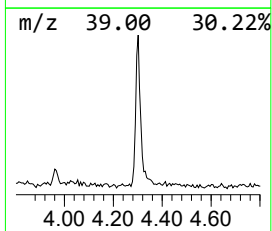
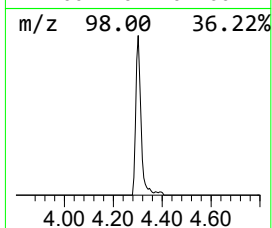
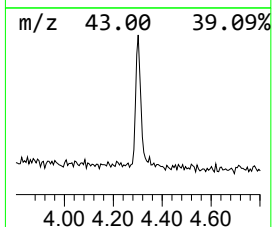
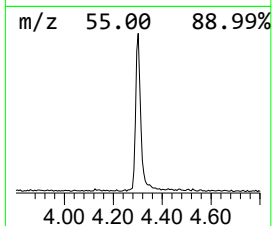
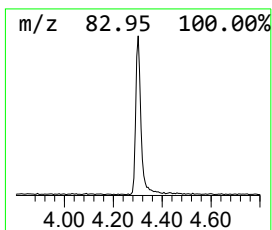
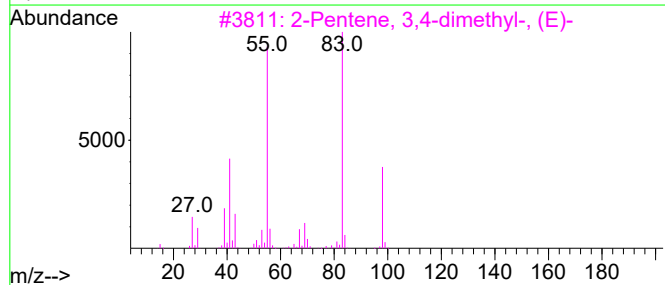
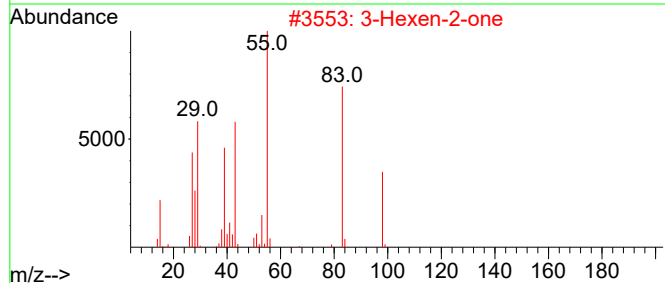
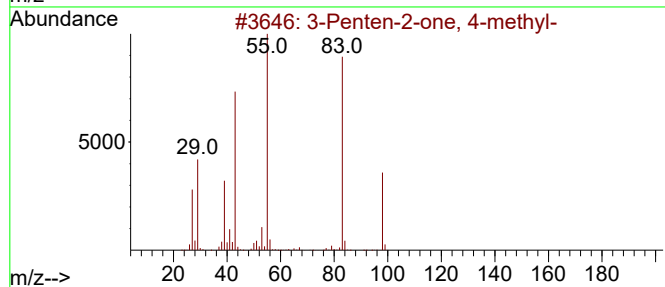
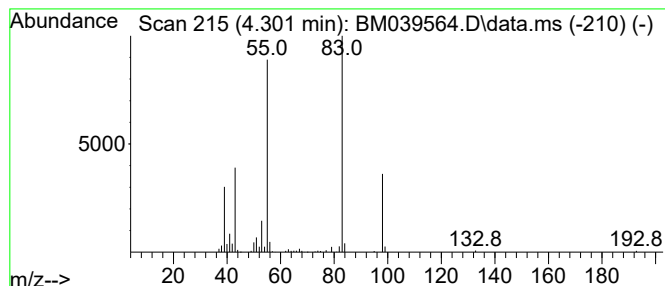
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM041723.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 3-Penten-2-one, 4-methyl- Concentration Rank 8

| R.T.  | EstConc | Area   | Relative to ISTD       | R.T.  |
|-------|---------|--------|------------------------|-------|
| 4.301 | 2.99 ng | 155442 | 1,4-Dichlorobenzene-d4 | 7.813 |

| Hit# | of 5 | Tentative ID                   | MW | MolForm | CAS#        | Qual |
|------|------|--------------------------------|----|---------|-------------|------|
| 1    |      | 3-Penten-2-one, 4-methyl-      | 98 | C6H10O  | 000141-79-7 | 91   |
| 2    |      | 3-Hexen-2-one                  | 98 | C6H10O  | 000763-93-9 | 90   |
| 3    |      | 2-Pentene, 3,4-dimethyl-, (E)- | 98 | C7H14   | 004914-92-5 | 80   |
| 4    |      | 2-Pentene, 2,4-dimethyl-       | 98 | C7H14   | 000625-65-0 | 80   |
| 5    |      | 2-Pentene, 4,4-dimethyl-, (E)- | 98 | C7H14   | 000690-08-4 | 72   |



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Sample : 02416-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM041723.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

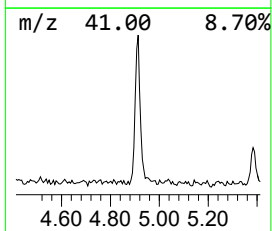
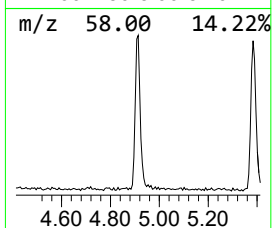
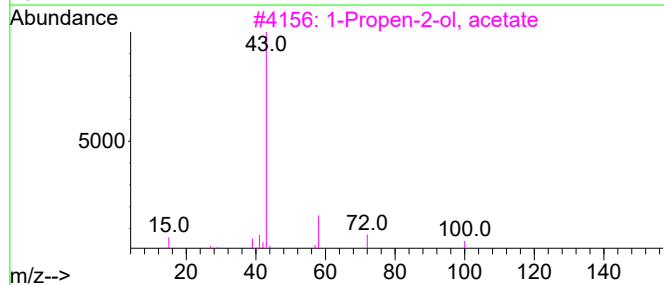
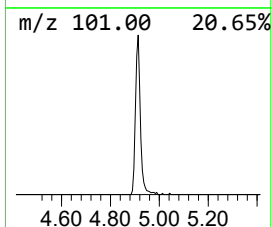
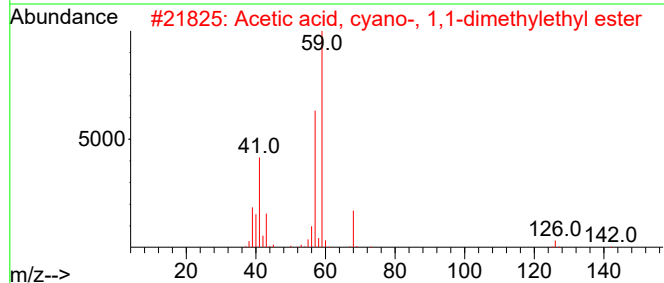
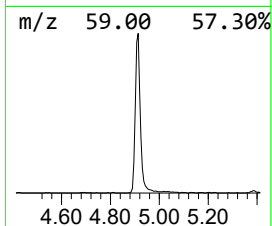
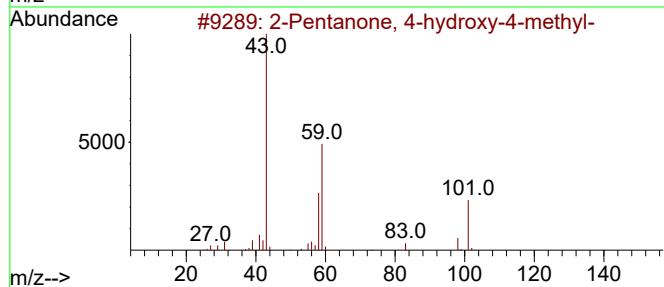
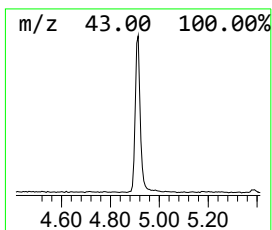
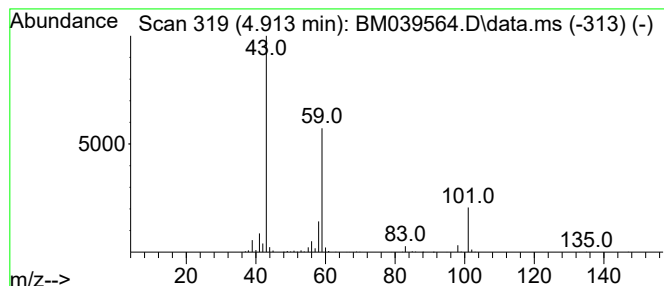
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T.  | EstConc | Area   | Relative to ISTD       | R.T.  |
|-------|---------|--------|------------------------|-------|
| 4.913 | 6.91 ng | 359265 | 1,4-Dichlorobenzene-d4 | 7.813 |

| Hit# | of 5                                | Tentative ID | MW       | MolForm     | CAS# | Qual |
|------|-------------------------------------|--------------|----------|-------------|------|------|
| 1    | 2-Pentanone, 4-hydroxy-4-methyl-    | 116          | C6H12O2  | 000123-42-2 | 64   |      |
| 2    | Acetic acid, cyano-, 1,1-dimethy... | 141          | C7H11NO2 | 001116-98-9 | 23   |      |
| 3    | 1-Propen-2-ol, acetate              | 100          | C5H8O2   | 000108-22-5 | 10   |      |
| 4    | (+)-4-Amino-4,5-dihydro-2(3H)-f...  | 101          | C4H7NO2  | 016504-58-8 | 9    |      |
| 5    | 5-Hexen-2-one                       | 98           | C6H10O   | 000109-49-9 | 9    |      |



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ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
NATIONAL-GRID-COMP

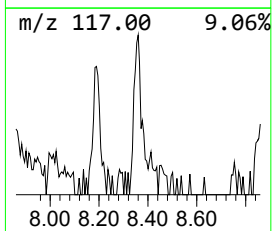
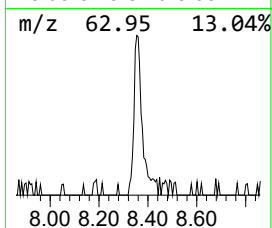
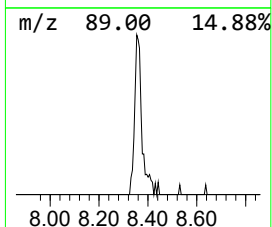
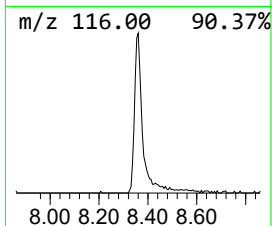
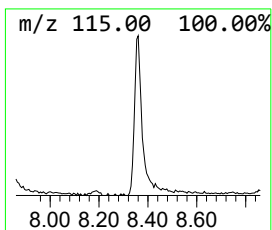
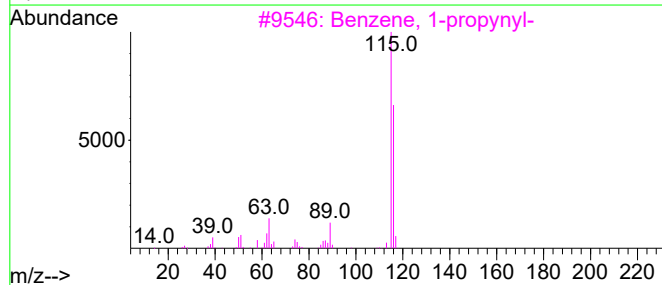
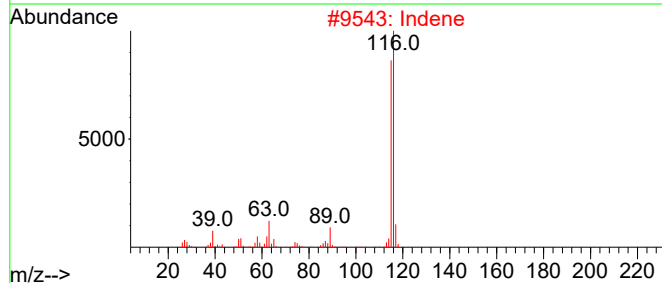
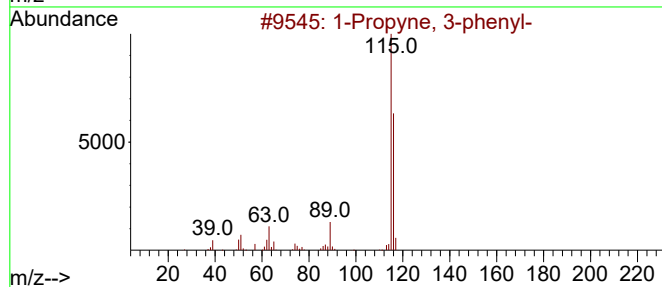
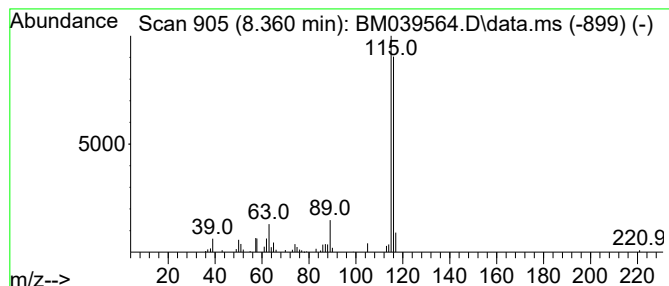
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM041723.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 3 1-Propyne, 3-phenyl- Concentration Rank 12

| R.T.  | EstConc | Area   | Relative to ISTD       | R.T.  |
|-------|---------|--------|------------------------|-------|
| 8.360 | 2.05 ng | 106722 | 1,4-Dichlorobenzene-d4 | 7.813 |

| Hit# | of 5 | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|------|------------------------------|-----|---------|-------------|------|
| 1    |      | 1-Propyne, 3-phenyl-         | 116 | C9H8    | 010147-11-2 | 97   |
| 2    |      | Indene                       | 116 | C9H8    | 000095-13-6 | 94   |
| 3    |      | Benzene, 1-propynyl-         | 116 | C9H8    | 000673-32-5 | 91   |
| 4    |      | 3-Methylphenylacetylene      | 116 | C9H8    | 000766-82-5 | 91   |
| 5    |      | Benzene, 1-ethynyl-4-methyl- | 116 | C9H8    | 000766-97-2 | 91   |



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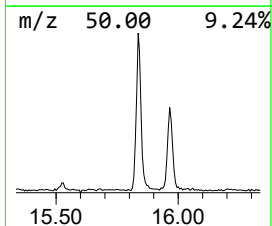
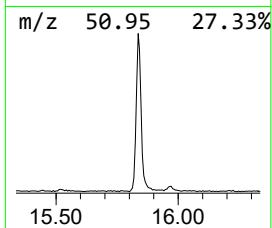
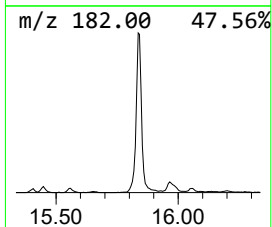
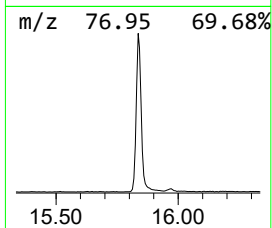
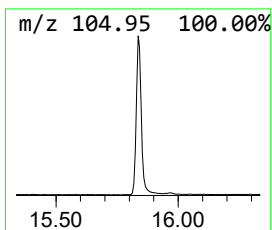
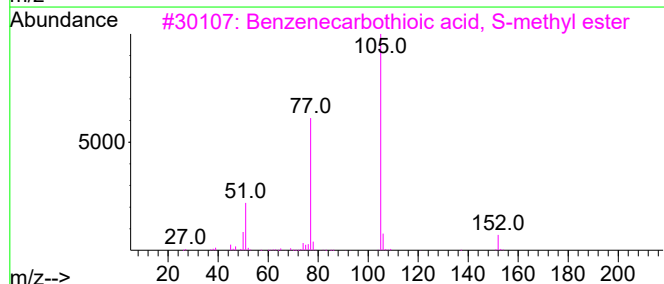
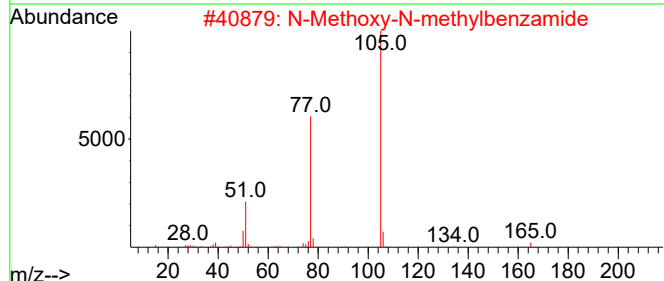
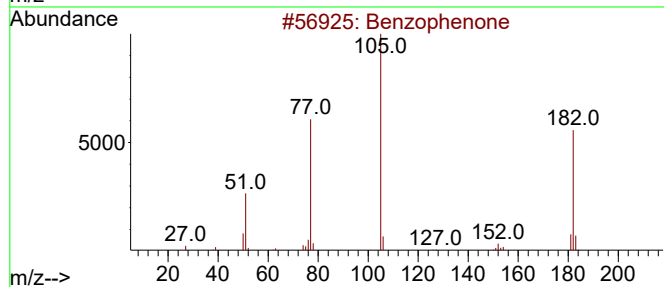
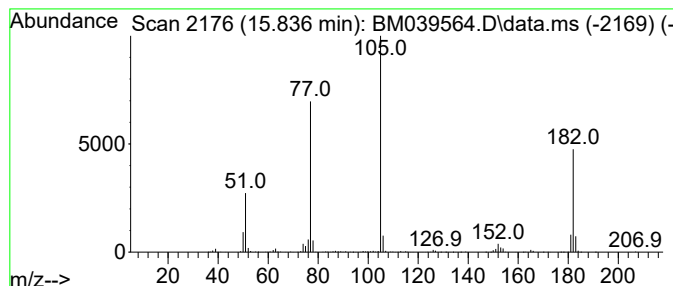
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 4 Benzophenone Concentration Rank 2

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 15.836 | 9.06 ng | 854339 | Acenaphthene-d10 | 14.471 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Benzophenone                        | 182 | C13H10O   | 000119-61-9  | 96   |
| 2    |    |   | N-Methoxy-N-methylbenzamide         | 165 | C9H11NO2  | 006919-61-5  | 58   |
| 3    |    |   | Benzenecarbothioic acid, S-methy... | 152 | C8H8OS    | 005925-68-8  | 52   |
| 4    |    |   | 2-Phenyl-4-ethylidene-2-oxazolin... | 187 | C11H9NO2  | 037791-41-6  | 50   |
| 5    |    |   | acetic acid, 2-bromo-, 2-oxo-2-p... | 256 | C10H9BrO3 | 1000401-50-0 | 50   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042123\  
Data File : BM039564.D  
Acq On : 21 Apr 2023 22:52  
Operator : CG/JU  
Sample : 02416-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
NATIONAL-GRID-COMP

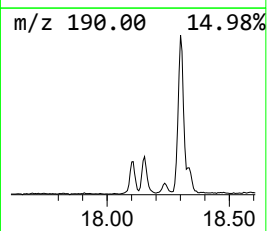
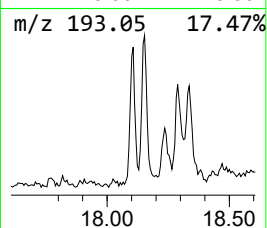
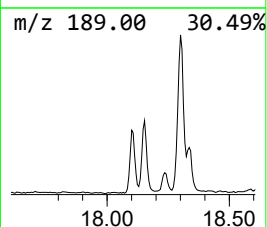
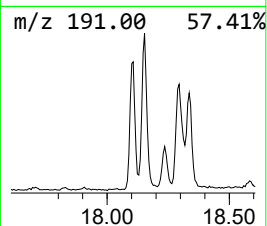
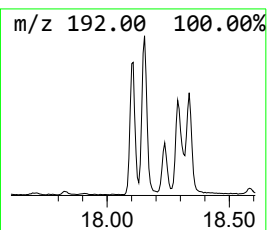
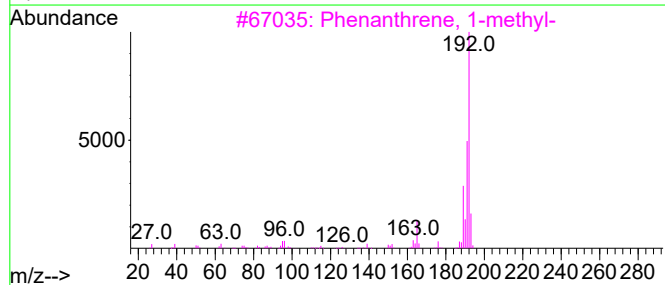
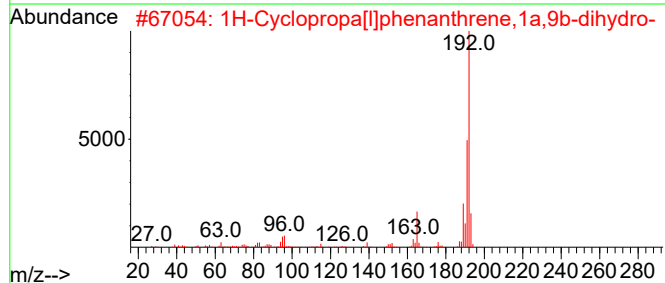
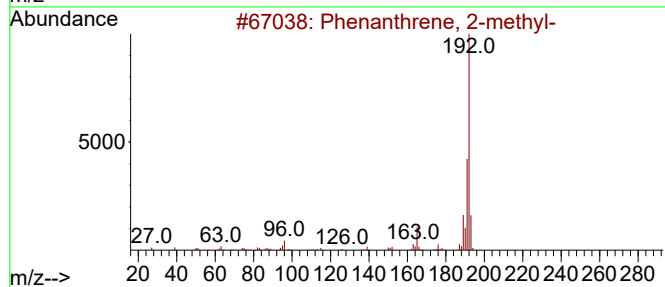
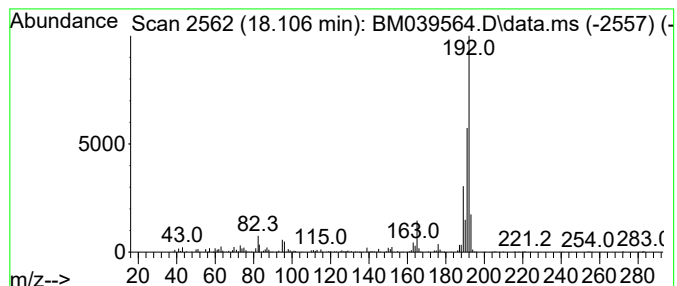
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 9

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 18.106 | 2.62 ng | 266979 | Phenanthrene-d10 | 17.224 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Phenanthrene, 2-methyl-             | 192 | C15H12  | 002531-84-2 | 97   |
| 2    |    |   | 1H-Cyclopropa[1]phenanthrene,1a,... | 192 | C15H12  | 000949-41-7 | 97   |
| 3    |    |   | Phenanthrene, 1-methyl-             | 192 | C15H12  | 000832-69-9 | 97   |
| 4    |    |   | Anthracene, 2-methyl-               | 192 | C15H12  | 000613-12-7 | 95   |
| 5    |    |   | Anthracene, 1-methyl-               | 192 | C15H12  | 000610-48-0 | 94   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042123\  
Data File : BM039564.D  
Acq On : 21 Apr 2023 22:52  
Operator : CG/JU  
Sample : 02416-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
NATIONAL-GRID-COMP

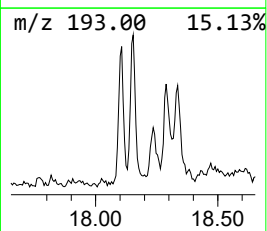
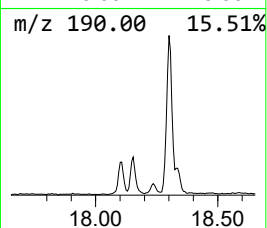
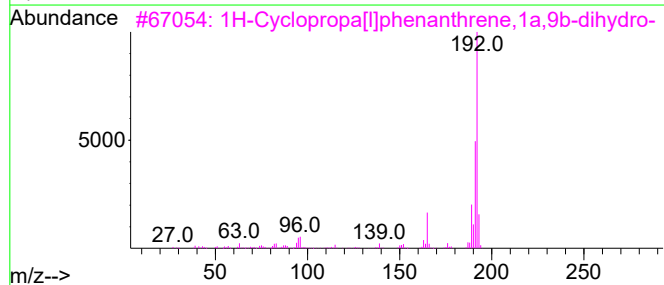
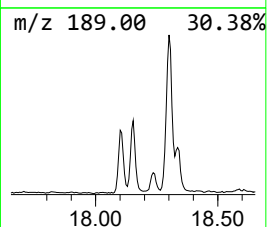
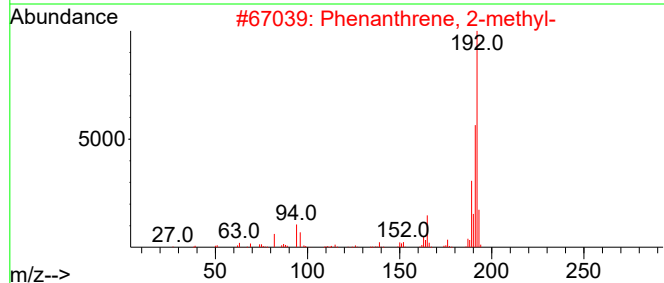
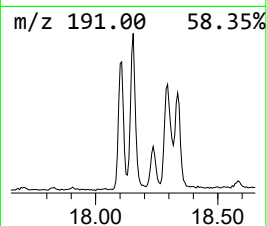
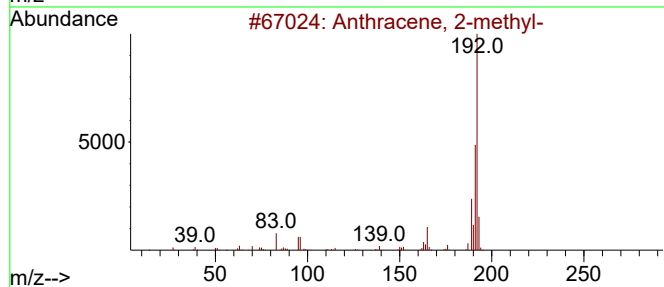
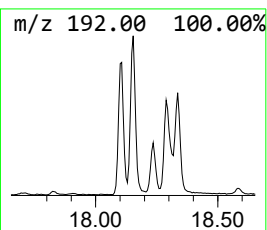
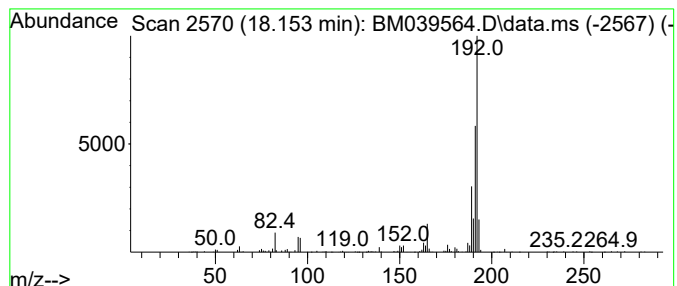
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 6 Anthracene, 2-methyl- Concentration Rank 6

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 18.153 | 3.69 ng | 375088 | Phenanthrene-d10 | 17.224 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|------|-------------------------------------|-----|---------|-------------|------|
| 1    |      | Anthracene, 2-methyl-               | 192 | C15H12  | 000613-12-7 | 97   |
| 2    |      | Phenanthrene, 2-methyl-             | 192 | C15H12  | 002531-84-2 | 97   |
| 3    |      | 1H-Cyclopropa[1]phenanthrene,1a,... | 192 | C15H12  | 000949-41-7 | 95   |
| 4    |      | Phenanthrene, 3-methyl-             | 192 | C15H12  | 000832-71-3 | 94   |
| 5    |      | Phenanthrene, 1-methyl-             | 192 | C15H12  | 000832-69-9 | 93   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042123\  
Data File : BM039564.D  
Acq On : 21 Apr 2023 22:52  
Operator : CG/JU  
Sample : 02416-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
NATIONAL-GRID-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM041723.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

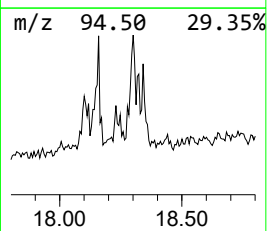
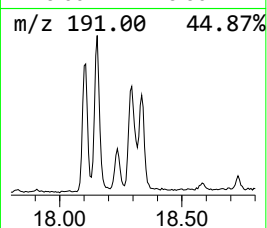
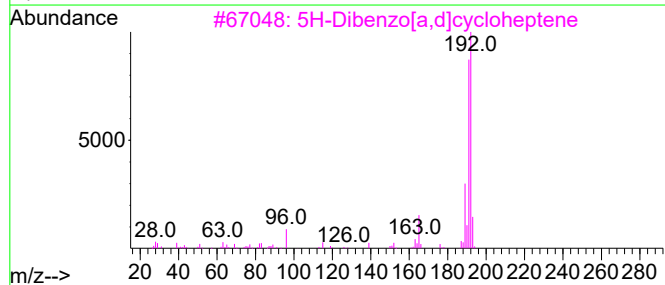
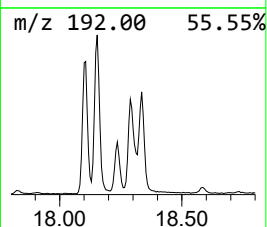
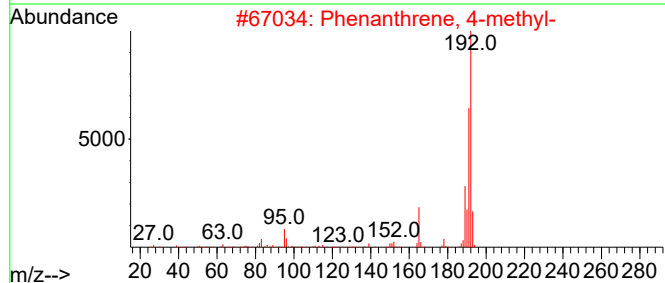
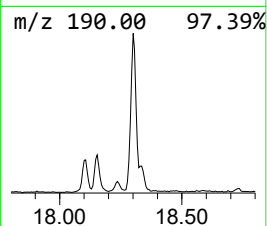
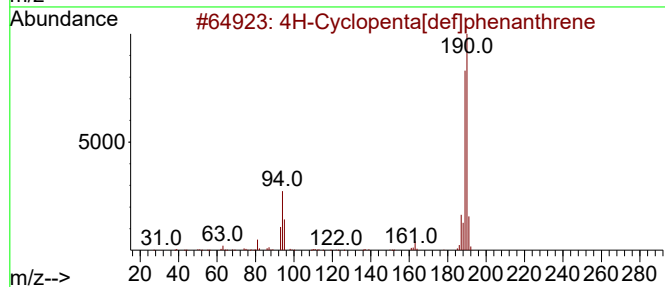
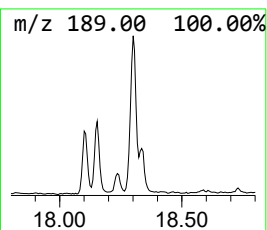
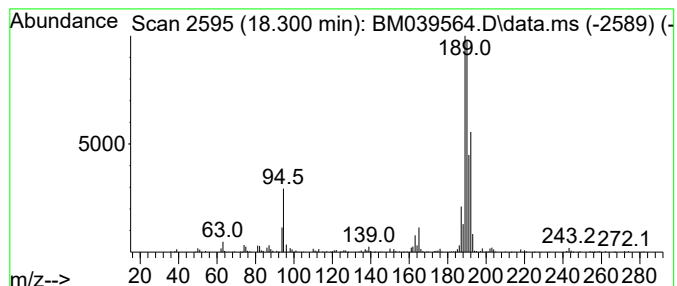
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 18.301 | 4.08 ng | 415539 | Phenanthrene-d10 | 17.224 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------|-----|---------|-------------|------|
| 1    |    |   | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10  | 000203-64-5 | 58   |
| 2    |    |   | Phenanthrene, 4-methyl-        | 192 | C15H12  | 000832-64-4 | 35   |
| 3    |    |   | 5H-Dibenzo[a,d]cycloheptene    | 192 | C15H12  | 000256-81-5 | 18   |
| 4    |    |   | Propyne, 1,3-diphenyl-         | 192 | C15H12  | 004980-70-5 | 18   |
| 5    |    |   | Anthracene, 2-methyl-          | 192 | C15H12  | 000613-12-7 | 15   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042123\  
Data File : BM039564.D  
Acq On : 21 Apr 2023 22:52  
Operator : CG/JU  
Sample : 02416-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
NATIONAL-GRID-COMP

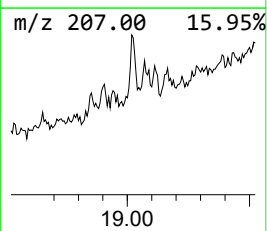
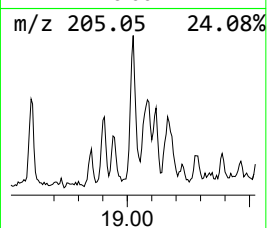
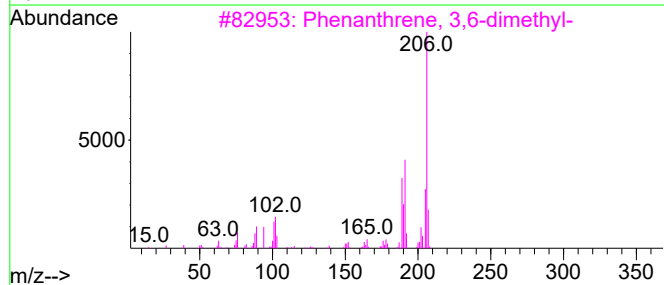
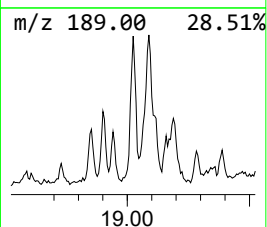
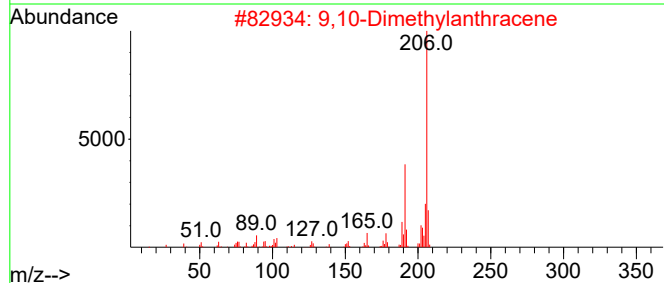
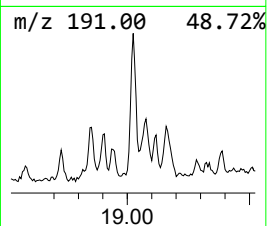
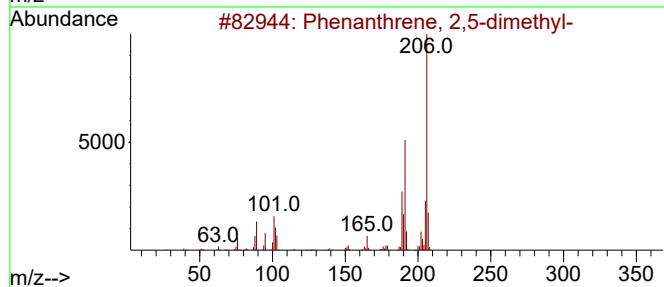
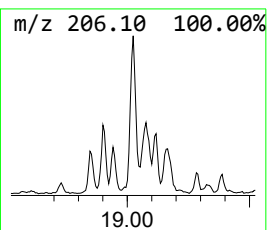
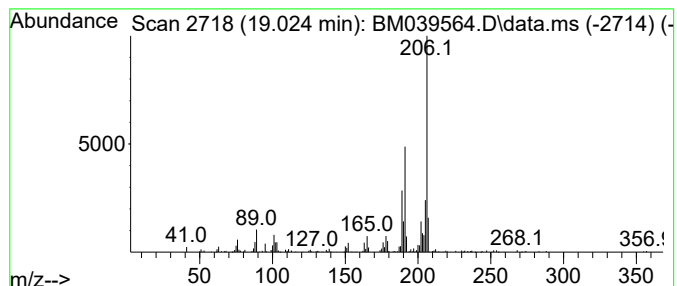
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 8 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 19.024 | 2.46 ng | 250612 | Phenanthrene-d10 | 17.224 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Phenanthrene, 2,5-dimethyl- | 206 | C16H14  | 003674-66-6 | 93   |
| 2    |    |   | 9,10-Dimethylanthracene     | 206 | C16H14  | 000781-43-1 | 91   |
| 3    |    |   | Phenanthrene, 3,6-dimethyl- | 206 | C16H14  | 001576-67-6 | 91   |
| 4    |    |   | di-p-Tolylacetylene         | 206 | C16H14  | 002789-88-0 | 87   |
| 5    |    |   | Anthracene, 1,4-dimethyl-   | 206 | C16H14  | 000781-92-0 | 86   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042123\  
Data File : BM039564.D  
Acq On : 21 Apr 2023 22:52  
Operator : CG/JU  
Sample : 02416-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
NATIONAL-GRID-COMP

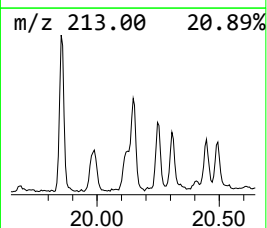
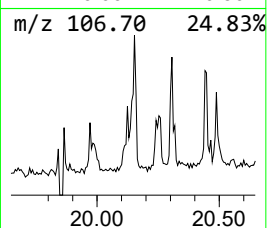
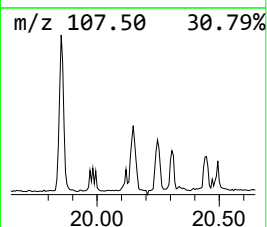
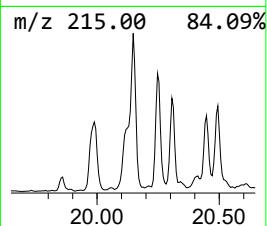
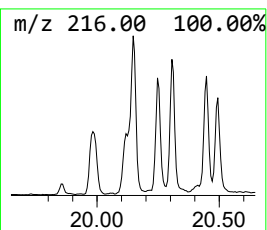
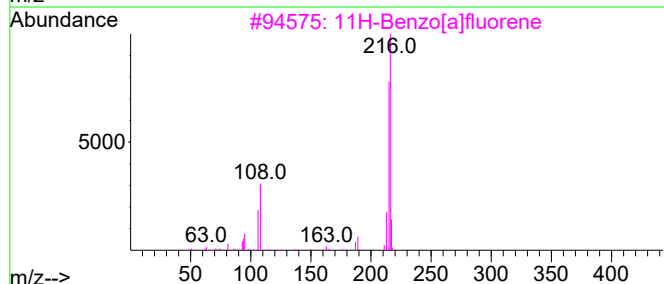
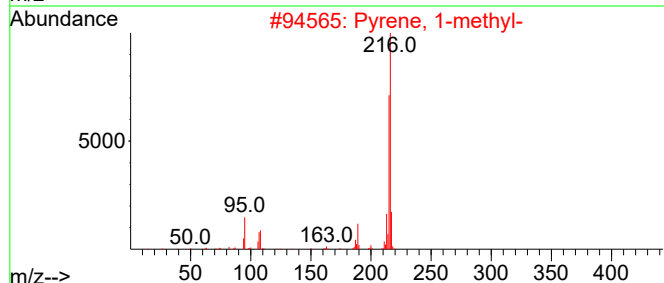
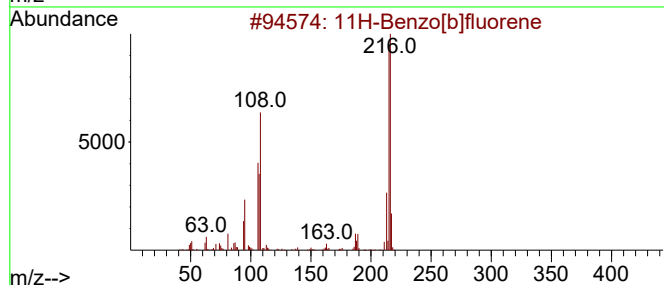
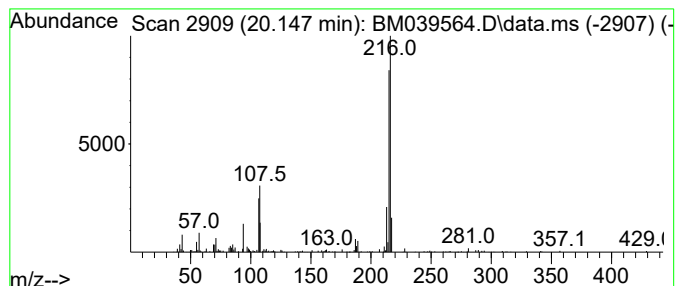
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 9 11H-Benzo[b]fluorene Concentration Rank 11

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 20.147 | 2.27 ng | 396664 | Chrysene-d12     | 21.418 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 11H-Benzo[b]fluorene                | 216 | C17H12   | 000243-17-4 | 76   |
| 2    |    |   | Pyrene, 1-methyl-                   | 216 | C17H12   | 002381-21-7 | 74   |
| 3    |    |   | 11H-Benzo[a]fluorene                | 216 | C17H12   | 000238-84-6 | 68   |
| 4    |    |   | 7H-Benzo[c]fluorene                 | 216 | C17H12   | 000205-12-9 | 59   |
| 5    |    |   | Allopregnane-3.alpha.,20.alpha.-... | 320 | C21H36O2 | 000566-58-5 | 50   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042123\  
Data File : BM039564.D  
Acq On : 21 Apr 2023 22:52  
Operator : CG/JU  
Sample : 02416-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
NATIONAL-GRID-COMP

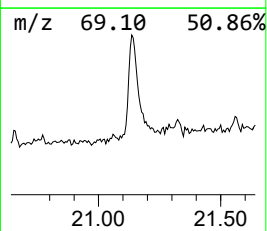
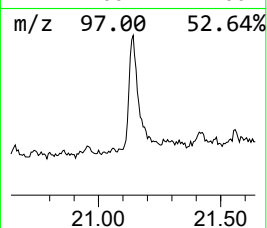
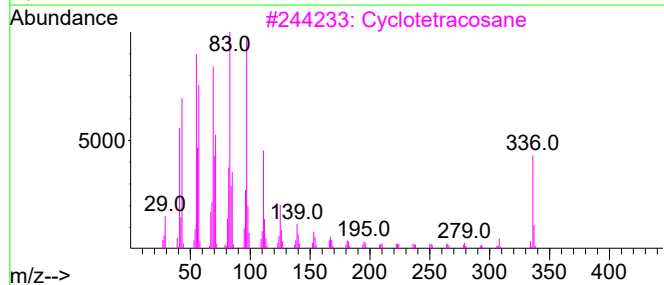
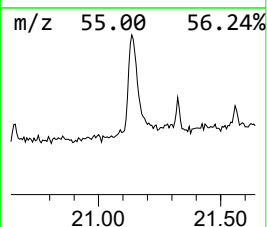
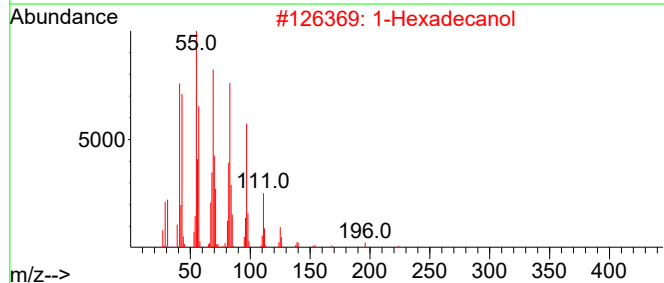
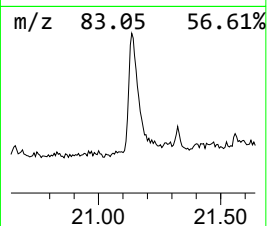
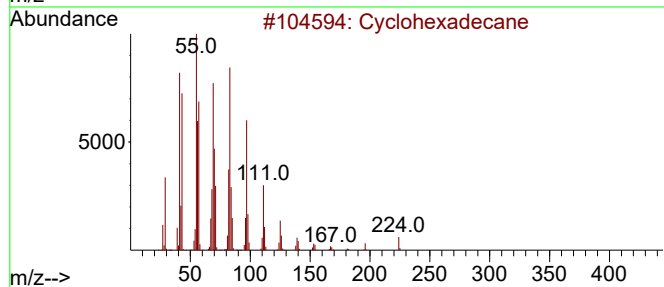
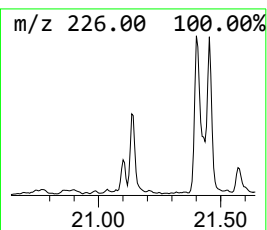
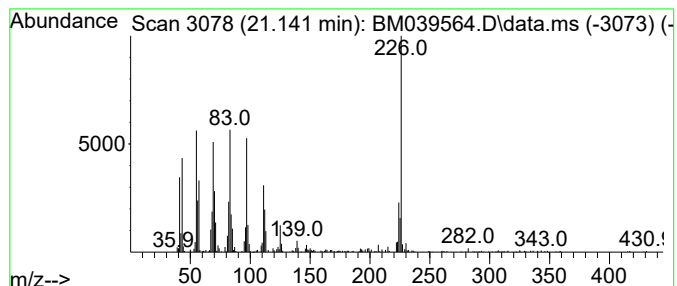
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 10 Cyclohexadecane Concentration Rank 7

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 21.142 | 3.31 ng | 577969 | Chrysene-d12     | 21.418 |

| Hit# | of 5 | Tentative ID       | MW  | MolForm | CAS#        | Qual |
|------|------|--------------------|-----|---------|-------------|------|
| 1    |      | Cyclohexadecane    | 224 | C16H32  | 000295-65-8 | 96   |
| 2    |      | 1-Hexadecanol      | 242 | C16H34O | 036653-82-4 | 46   |
| 3    |      | Cyclotetracosane   | 336 | C24H48  | 000297-03-0 | 46   |
| 4    |      | Behenic alcohol    | 326 | C22H46O | 000661-19-8 | 38   |
| 5    |      | 7-Hexadecene, (Z)- | 224 | C16H32  | 035507-09-6 | 35   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042123\  
Data File : BM039564.D  
Acq On : 21 Apr 2023 22:52  
Operator : CG/JU  
Sample : 02416-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
NATIONAL-GRID-COMP

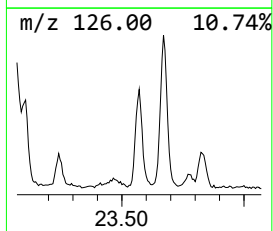
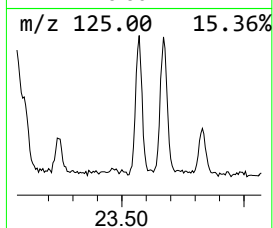
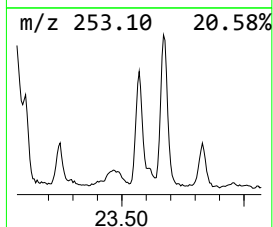
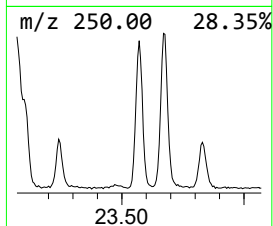
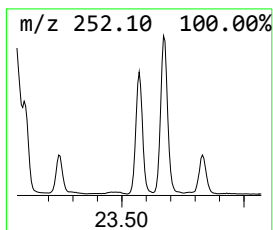
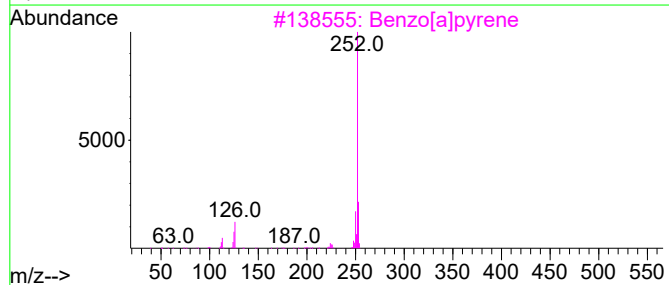
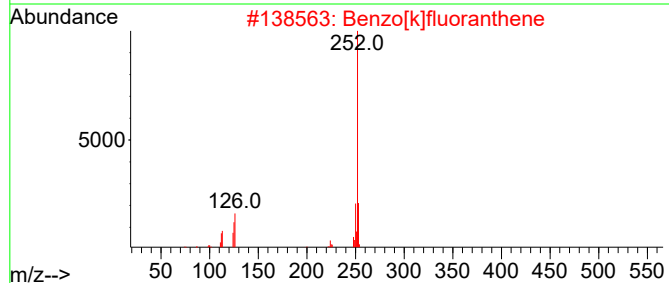
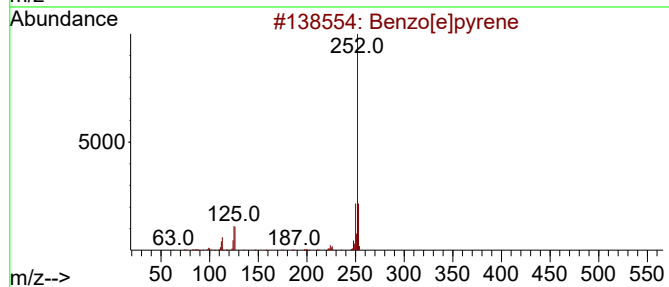
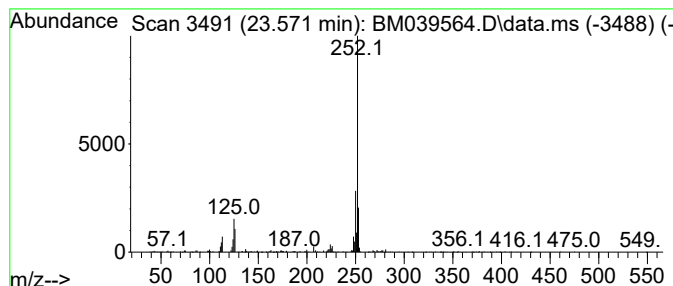
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 11 Benzo[e]pyrene Concentration Rank 4

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 23.571 | 6.68 ng | 583410 | Perylene-d12     | 23.777 |

| Hit# | of | 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------|-----|---------|-------------|------|
| 1    |    |   | Benzo[e]pyrene       | 252 | C20H12  | 000192-97-2 | 98   |
| 2    |    |   | Benzo[k]fluoranthene | 252 | C20H12  | 000207-08-9 | 97   |
| 3    |    |   | Benzo[a]pyrene       | 252 | C20H12  | 000050-32-8 | 96   |
| 4    |    |   | Benzo[b]fluoranthene | 252 | C20H12  | 000205-99-2 | 95   |
| 5    |    |   | Perylene             | 252 | C20H12  | 000198-55-0 | 90   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042123\  
Data File : BM039564.D  
Acq On : 21 Apr 2023 22:52  
Operator : CG/JU  
Sample : 02416-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
NATIONAL-GRID-COMP

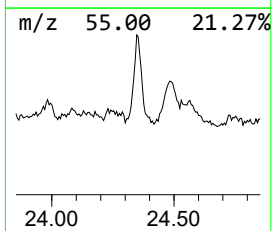
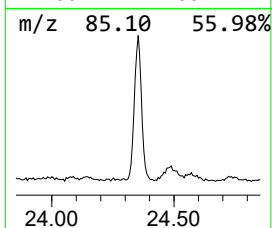
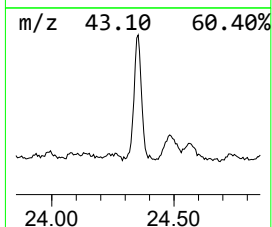
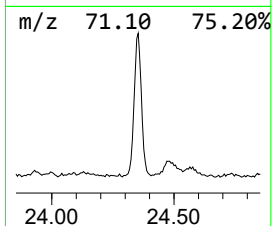
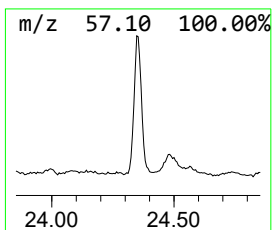
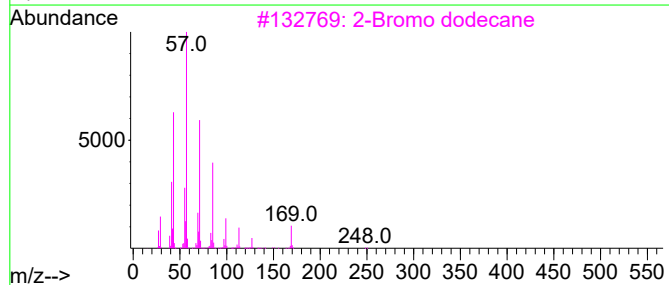
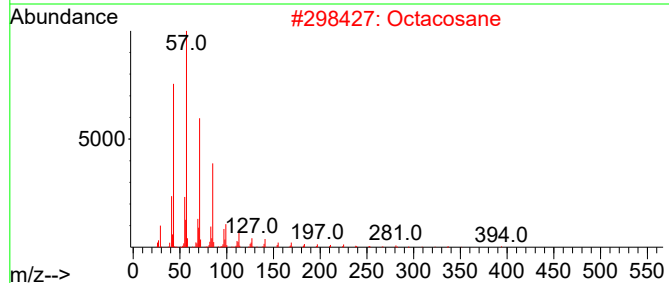
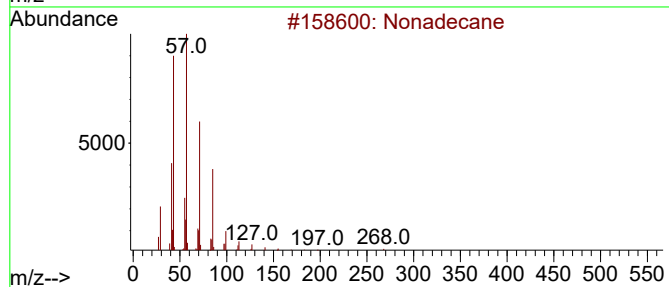
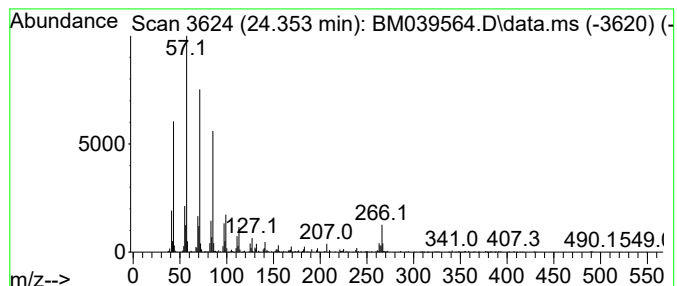
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM041723.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 12 Nonadecane Concentration Rank 1

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.   |
|--------|----------|--------|------------------|--------|
| 24.353 | 10.02 ng | 874697 | Perylene-d12     | 23.777 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------|-----|----------|-------------|------|
| 1    |    |   | Nonadecane          | 268 | C19H40   | 000629-92-5 | 96   |
| 2    |    |   | Octacosane          | 394 | C28H58   | 000630-02-4 | 90   |
| 3    |    |   | 2-Bromo dodecane    | 248 | C12H25Br | 013187-99-0 | 89   |
| 4    |    |   | Docosane, 11-butyl- | 366 | C26H54   | 013475-76-8 | 89   |
| 5    |    |   | Heneicosane         | 296 | C21H44   | 000629-94-7 | 87   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042123\  
Data File : BM039564.D  
Acq On : 21 Apr 2023 22:52  
Operator : CG/JU  
Sample : 02416-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
NATIONAL-GRID-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM041723.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 |
| 3-Penten-2-one,... | 4.301  | 3.0     | ng    | 155442   | 1                     | 7.813  | 1039490 | 20.0 |
| 2-Pentanone, 4-... | 4.913  | 6.9     | ng    | 359265   | 1                     | 7.813  | 1039490 | 20.0 |
| 1-Propyne, 3-ph... | 8.360  | 2.0     | ng    | 106722   | 1                     | 7.813  | 1039490 | 20.0 |
| Benzophenone       | 15.836 | 9.1     | ng    | 854339   | 3                     | 14.471 | 1886920 | 20.0 |
| Phenanthrene, 2... | 18.106 | 2.6     | ng    | 266979   | 4                     | 17.224 | 2035600 | 20.0 |
| Anthracene, 2-m... | 18.153 | 3.7     | ng    | 375088   | 4                     | 17.224 | 2035600 | 20.0 |
| 4H-Cyclopenta[d... | 18.301 | 4.1     | ng    | 415539   | 4                     | 17.224 | 2035600 | 20.0 |
| Phenanthrene, 2... | 19.024 | 2.5     | ng    | 250612   | 4                     | 17.224 | 2035600 | 20.0 |
| 11H-Benzo[b]flu... | 20.147 | 2.3     | ng    | 396664   | 5                     | 21.418 | 3492170 | 20.0 |
| Cyclohexadecane    | 21.142 | 3.3     | ng    | 577969   | 5                     | 21.418 | 3492170 | 20.0 |
| Benzo[e]pyrene     | 23.571 | 6.7     | ng    | 583410   | 6                     | 23.777 | 1746490 | 20.0 |
| Nonadecane         | 24.353 | 10.0    | ng    | 874697   | 6                     | 23.777 | 1746490 | 20.0 |