

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP021122\  
 Data File : BP009127.D  
 Acq On : 11 Feb 2022 22:58  
 Operator : CG/JU  
 Sample : N1496-01 2X  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 OK-01-021022

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP020722.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP009127.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 5.393       | 402           | 409         | 434          | rVB      | 1175578        | 2097699       | 33.15%          | 2.996%        |
| 2         | 6.987       | 674           | 680         | 695          | rBV      | 1154544        | 2173605       | 34.35%          | 3.105%        |
| 3         | 7.793       | 809           | 817         | 827          | rBV      | 829828         | 1428767       | 22.58%          | 2.041%        |
| 4         | 8.334       | 903           | 909         | 916          | rBV2     | 41014          | 82966         | 1.31%           | 0.119%        |
| 5         | 8.957       | 1008          | 1015        | 1023         | rBV      | 769249         | 1411399       | 22.30%          | 2.016%        |
| 6         | 10.399      | 1250          | 1260        | 1267         | rBV5     | 21543          | 76034         | 1.20%           | 0.109%        |
| 7         | 10.587      | 1282          | 1292        | 1299         | rBV      | 1170252        | 2211351       | 34.95%          | 3.159%        |
| 8         | 11.622      | 1463          | 1468        | 1478         | rBV4     | 42511          | 109541        | 1.73%           | 0.156%        |
| 9         | 11.787      | 1490          | 1496        | 1505         | rBV5     | 50063          | 96742         | 1.53%           | 0.138%        |
| 10        | 12.022      | 1527          | 1536        | 1541         | rBV      | 116390         | 199253        | 3.15%           | 0.285%        |
| 11        | 12.257      | 1571          | 1576        | 1583         | rVB2     | 48774          | 100770        | 1.59%           | 0.144%        |
| 12        | 12.475      | 1607          | 1613        | 1616         | rBV      | 55483          | 100940        | 1.60%           | 0.144%        |
| 13        | 12.510      | 1616          | 1619        | 1624         | rVB      | 43072          | 63680         | 1.01%           | 0.091%        |
| 14        | 12.975      | 1694          | 1698        | 1703         | rVB3     | 62845          | 96611         | 1.53%           | 0.138%        |
| 15        | 13.057      | 1705          | 1712        | 1722         | rBV      | 2762978        | 4194856       | 66.29%          | 5.992%        |
| 16        | 13.263      | 1742          | 1747        | 1754         | rVB      | 195349         | 287987        | 4.55%           | 0.411%        |
| 17        | 13.598      | 1800          | 1804        | 1813         | rBV4     | 32029          | 76460         | 1.21%           | 0.109%        |
| 18        | 13.757      | 1827          | 1831        | 1835         | rBV      | 57477          | 100714        | 1.59%           | 0.144%        |
| 19        | 13.898      | 1850          | 1855        | 1857         | rBV2     | 77081          | 123322        | 1.95%           | 0.176%        |
| 20        | 13.922      | 1857          | 1859        | 1862         | rVB      | 68875          | 70917         | 1.12%           | 0.101%        |
| 21        | 14.157      | 1894          | 1899        | 1906         | rBV      | 222694         | 383178        | 6.06%           | 0.547%        |
| 22        | 14.340      | 1925          | 1930        | 1936         | rVB      | 266736         | 362918        | 5.74%           | 0.518%        |
| 23        | 14.434      | 1939          | 1946        | 1953         | rVV      | 2118605        | 3307151       | 52.26%          | 4.724%        |
| 24        | 14.498      | 1953          | 1957        | 1966         | rVB      | 96521          | 158303        | 2.50%           | 0.226%        |
| 25        | 14.840      | 2011          | 2015        | 2020         | rVB      | 108557         | 161819        | 2.56%           | 0.231%        |
| 26        | 14.963      | 2032          | 2036        | 2044         | rVB5     | 64591          | 110581        | 1.75%           | 0.158%        |
| 27        | 15.057      | 2045          | 2052        | 2056         | rBV4     | 67499          | 176768        | 2.79%           | 0.252%        |
| 28        | 15.292      | 2088          | 2092        | 2100         | rVB2     | 255524         | 387499        | 6.12%           | 0.553%        |
| 29        | 15.487      | 2120          | 2125        | 2137         | rVB      | 174036         | 369098        | 5.83%           | 0.527%        |
| 30        | 15.704      | 2157          | 2162        | 2166         | rVB      | 103654         | 173255        | 2.74%           | 0.247%        |
| 31        | 15.939      | 2194          | 2202        | 2209         | rBV      | 2204908        | 3533025       | 55.83%          | 5.047%        |
| 32        | 16.157      | 2235          | 2239        | 2248         | rBV2     | 315673         | 619000        | 9.78%           | 0.884%        |
| 33        | 16.498      | 2295          | 2297        | 2302         | rVB3     | 75513          | 90354         | 1.43%           | 0.129%        |
| 34        | 16.951      | 2371          | 2374        | 2379         | rVB      | 223200         | 279043        | 4.41%           | 0.399%        |
| 35        | 17.010      | 2380          | 2384        | 2395         | rVB2     | 195053         | 337703        | 5.34%           | 0.482%        |
| 36        | 17.198      | 2410          | 2416        | 2419         | rBV      | 2571100        | 3891405       | 61.50%          | 5.558%        |

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 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 OK-01-021022

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP020722.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 37 | 17.239 | 2419 | 2423 | 2430 | rVV  | 1401857 | 1999312 | 31.60%  | 2.856% |
| 38 | 17.328 | 2434 | 2438 | 2444 | rVB  | 503265  | 732269  | 11.57%  | 1.046% |
| 39 | 17.386 | 2445 | 2448 | 2454 | rBV3 | 68512   | 135456  | 2.14%   | 0.193% |
| 40 | 17.610 | 2483 | 2486 | 2493 | rBV3 | 93329   | 184929  | 2.92%   | 0.264% |
| 41 | 17.698 | 2497 | 2501 | 2507 | rVB2 | 232102  | 347415  | 5.49%   | 0.496% |
| 42 | 18.069 | 2559 | 2564 | 2566 | rBV  | 368187  | 504400  | 7.97%   | 0.720% |
| 43 | 18.110 | 2566 | 2571 | 2578 | rVB  | 498755  | 941818  | 14.88%  | 1.345% |
| 44 | 18.192 | 2581 | 2585 | 2590 | rBV  | 249080  | 359561  | 5.68%   | 0.514% |
| 45 | 18.251 | 2590 | 2595 | 2599 | rVV2 | 628600  | 1124191 | 17.77%  | 1.606% |
| 46 | 18.286 | 2599 | 2601 | 2608 | rVB  | 305268  | 410497  | 6.49%   | 0.586% |
| 47 | 18.369 | 2611 | 2615 | 2618 | rBV  | 236445  | 305806  | 4.83%   | 0.437% |
| 48 | 18.545 | 2642 | 2645 | 2651 | rBV  | 189133  | 257093  | 4.06%   | 0.367% |
| 49 | 18.839 | 2692 | 2695 | 2698 | rBV  | 138771  | 151106  | 2.39%   | 0.216% |
| 50 | 18.957 | 2711 | 2715 | 2720 | rBV2 | 468972  | 957828  | 15.14%  | 1.368% |
| 51 | 19.210 | 2753 | 2758 | 2764 | rBV  | 3394938 | 4649673 | 73.48%  | 6.642% |
| 52 | 19.304 | 2772 | 2774 | 2777 | rBV2 | 132831  | 162993  | 2.58%   | 0.233% |
| 53 | 19.563 | 2810 | 2818 | 2826 | rBV  | 2973943 | 4991658 | 78.88%  | 7.130% |
| 54 | 19.757 | 2846 | 2851 | 2856 | rVB  | 4862565 | 6327912 | 100.00% | 9.039% |
| 55 | 20.045 | 2898 | 2900 | 2906 | rVB  | 712984  | 940695  | 14.87%  | 1.344% |
| 56 | 20.145 | 2914 | 2917 | 2921 | rBV  | 450081  | 559432  | 8.84%   | 0.799% |
| 57 | 20.204 | 2924 | 2927 | 2931 | rVB  | 379595  | 476786  | 7.53%   | 0.681% |
| 58 | 20.339 | 2947 | 2950 | 2954 | rBV  | 368893  | 517713  | 8.18%   | 0.739% |
| 59 | 21.292 | 3106 | 3112 | 3116 | rBV2 | 3367109 | 5955052 | 94.11%  | 8.506% |
| 60 | 21.327 | 3116 | 3118 | 3127 | rVB  | 1248670 | 1627936 | 25.73%  | 2.325% |
| 61 | 21.404 | 3127 | 3131 | 3136 | rBV  | 2215360 | 2989187 | 47.24%  | 4.270% |
| 62 | 23.692 | 3515 | 3520 | 3526 | rVB2 | 1571123 | 2953551 | 46.67%  | 4.219% |

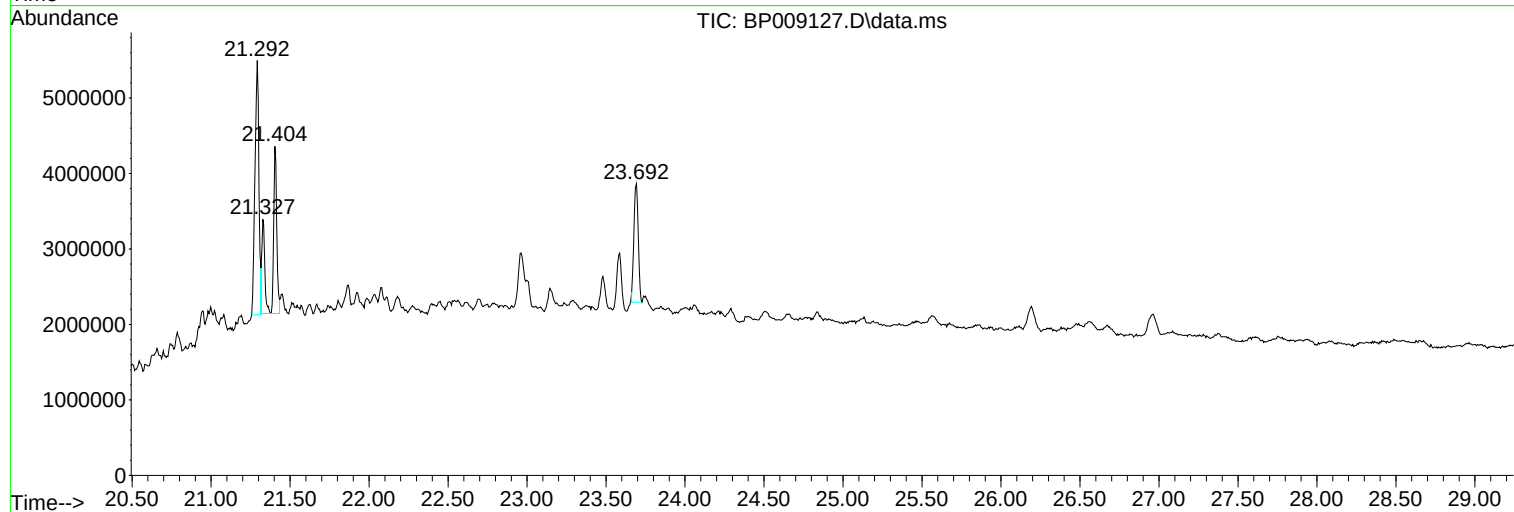
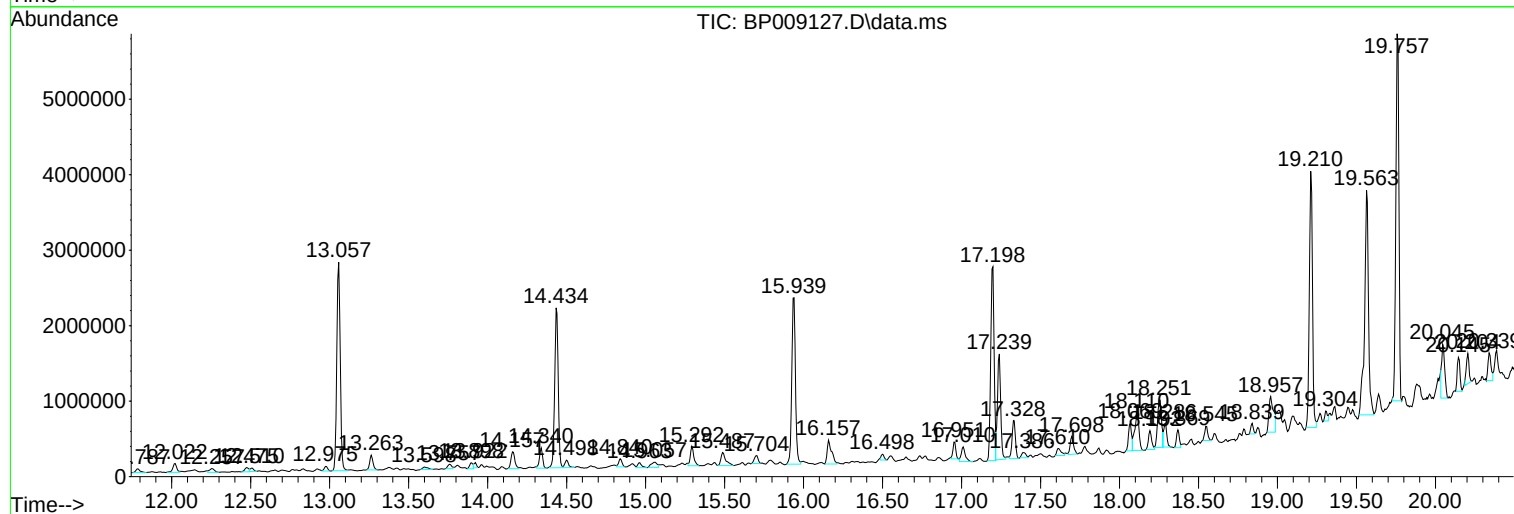
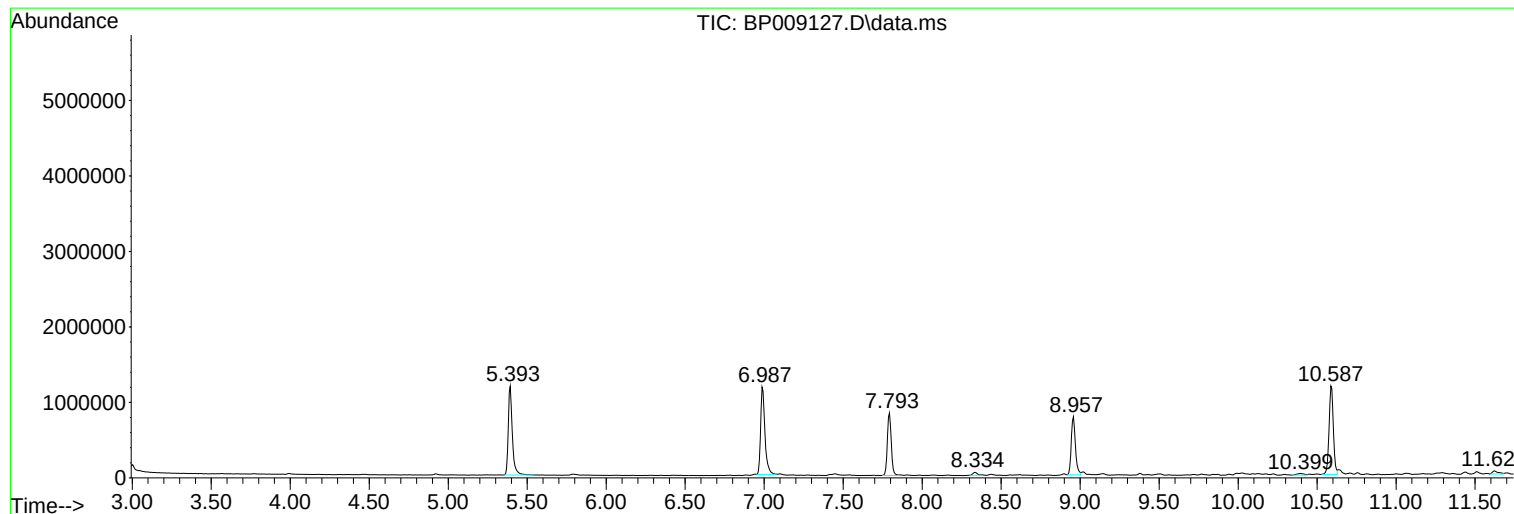
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Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
OK-01-021022

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP020722.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP021122\  
Data File : BP009127.D  
Acq On : 11 Feb 2022 22:58  
Operator : CG/JU  
Sample : N1496-01 2X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
OK-01-021022

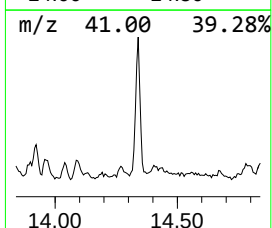
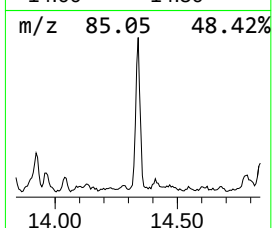
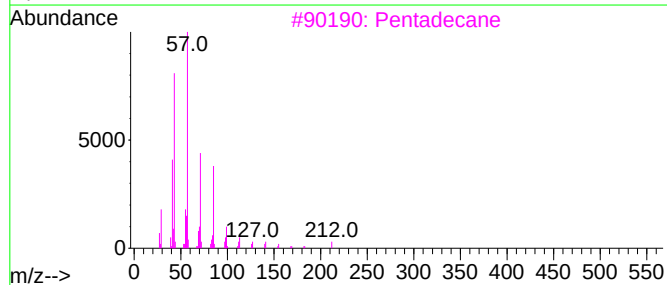
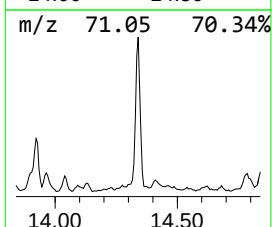
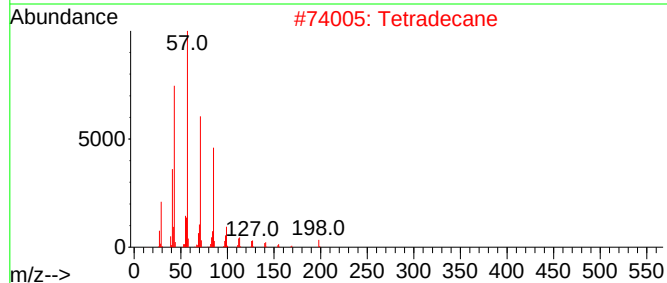
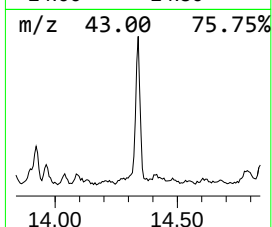
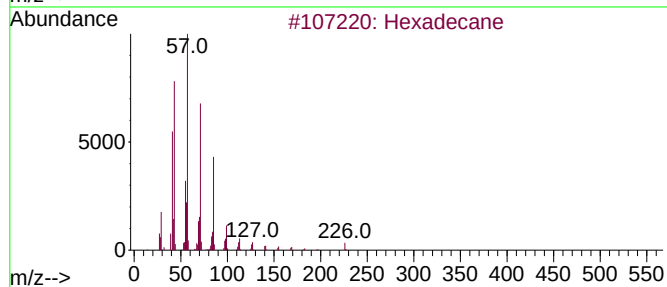
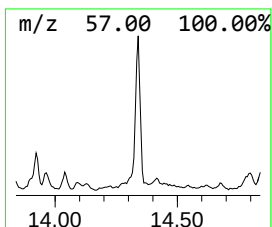
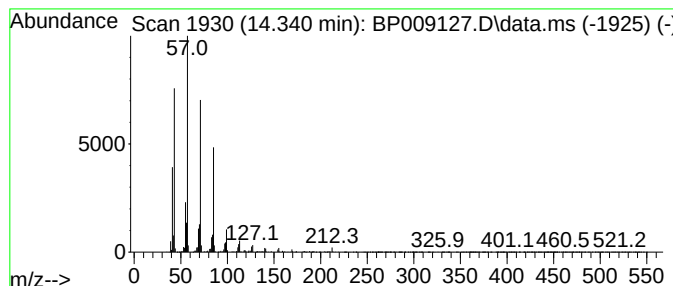
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 Hexadecane Concentration Rank 10

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 14.339 | 2.19 ng | 362918 | Acenaphthene-d10 | 14.434 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm  | CAS#         | Qual |
|------|----|---|------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Hexadecane                         | 226 | C16H34   | 000544-76-3  | 91   |
| 2    |    |   | Tetradecane                        | 198 | C14H30   | 000629-59-4  | 90   |
| 3    |    |   | Pentadecane                        | 212 | C15H32   | 000629-62-9  | 90   |
| 4    |    |   | Heptadecane                        | 240 | C17H36   | 000629-78-7  | 90   |
| 5    |    |   | Carbonic acid, eicosyl vinyl ester | 368 | C23H44O3 | 1000382-54-3 | 90   |



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BNA\_P  
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OK-01-021022

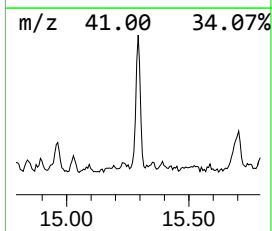
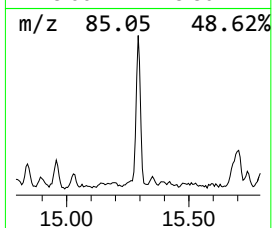
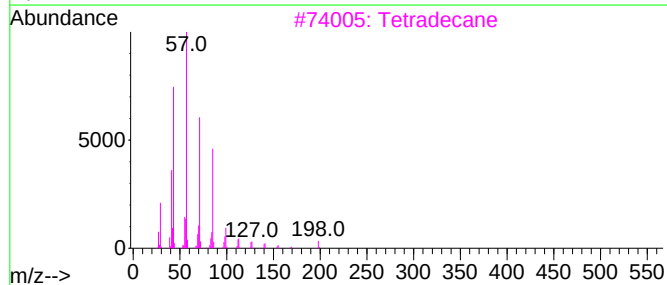
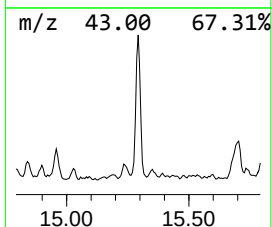
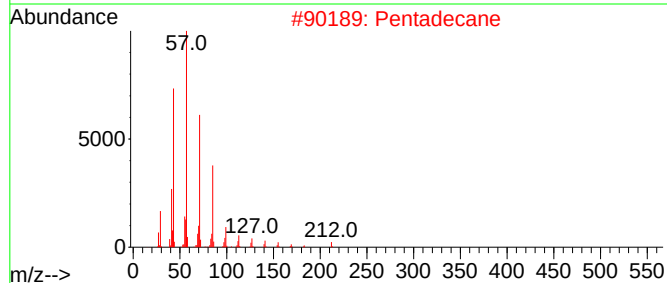
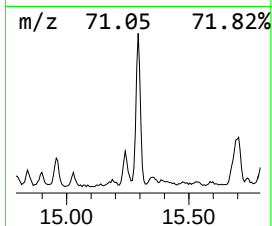
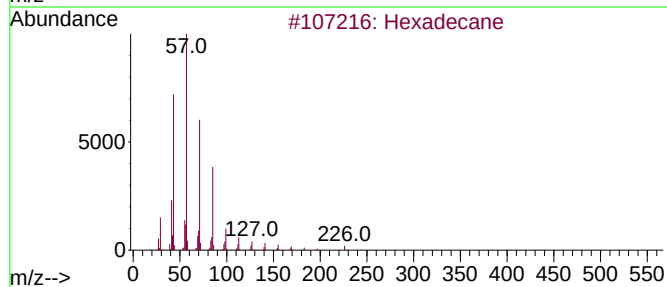
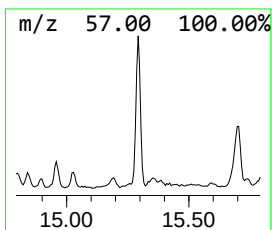
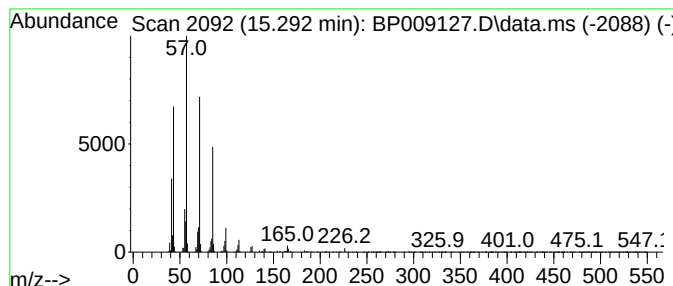
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP020722.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 2 Pentadecane Concentration Rank 8

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 15.292 | 2.34 ng | 387499 | Acenaphthene-d10 | 14.434 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm | CAS#         | Qual |
|------|----|---|----------------------------------|-----|---------|--------------|------|
| 1    |    |   | Hexadecane                       | 226 | C16H34  | 000544-76-3  | 91   |
| 2    |    |   | Pentadecane                      | 212 | C15H32  | 000629-62-9  | 90   |
| 3    |    |   | Tetradecane                      | 198 | C14H30  | 000629-59-4  | 86   |
| 4    |    |   | 3-Ethyl-2,6,10-trimethylundecane | 226 | C16H34  | 1000432-25-9 | 86   |
| 5    |    |   | Decane, 2,3,5-trimethyl-         | 184 | C13H28  | 062238-11-3  | 83   |



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ClientSampleId :  
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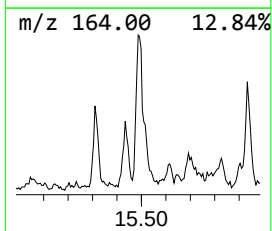
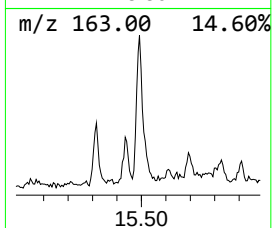
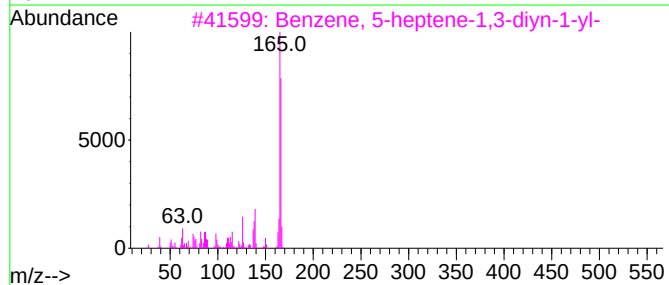
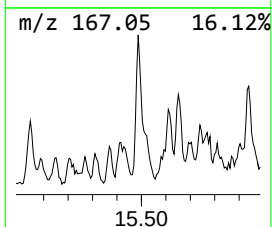
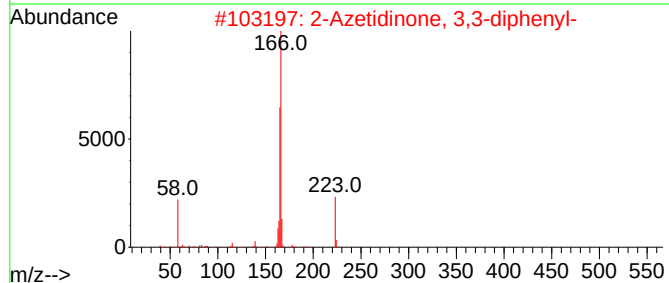
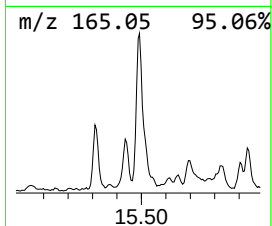
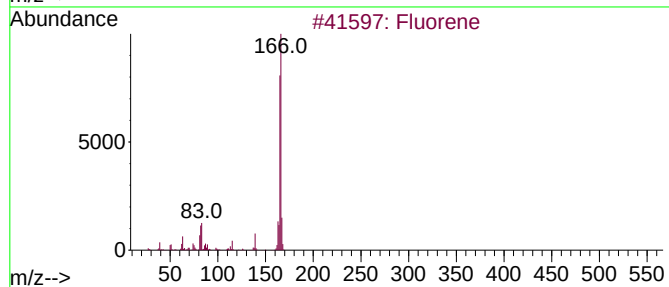
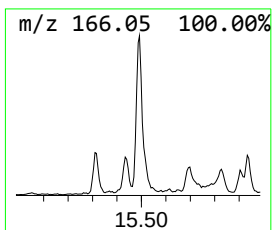
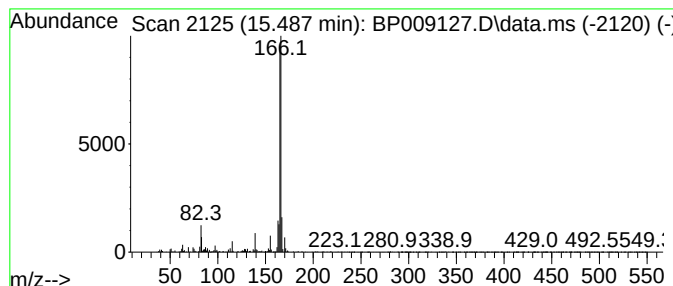
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP020722.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 3 2-Azetidinone, 3,3-diphenyl- Concentration Rank 9

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 15.486 | 2.23 ng | 369098 | Acenaphthene-d10 | 14.434 |

| Hit# | of | 5 | Tentative ID                      | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-----------------------------------|-----|----------|-------------|------|
| 1    |    |   | Fluorene                          | 166 | C13H10   | 000086-73-7 | 91   |
| 2    |    |   | 2-Azetidinone, 3,3-diphenyl-      | 223 | C15H13NO | 015826-12-7 | 72   |
| 3    |    |   | Benzene, 5-heptene-1,3-diyn-1-yl- | 166 | C13H10   | 013678-98-3 | 72   |
| 4    |    |   | Fluorene-9-methanol               | 196 | C14H12O  | 024324-17-2 | 64   |
| 5    |    |   | 1H-Phenylene                      | 166 | C13H10   | 000203-80-5 | 50   |



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ClientSampleId :  
OK-01-021022

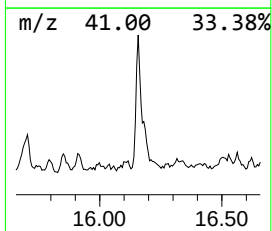
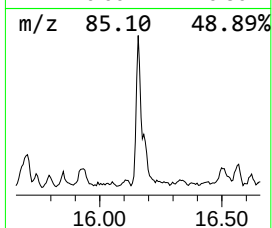
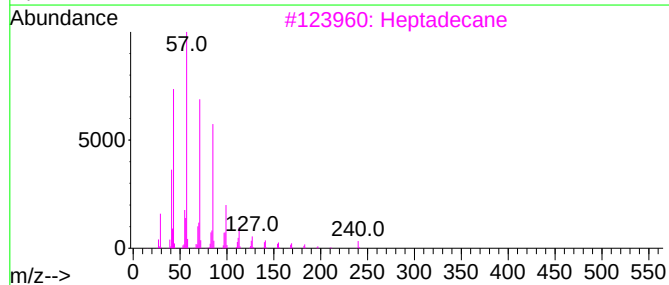
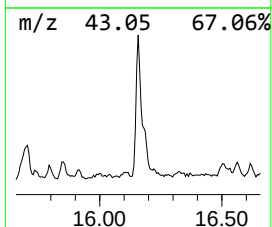
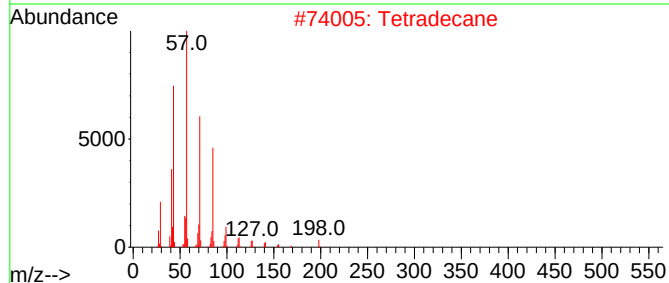
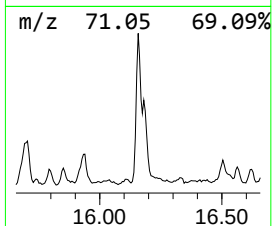
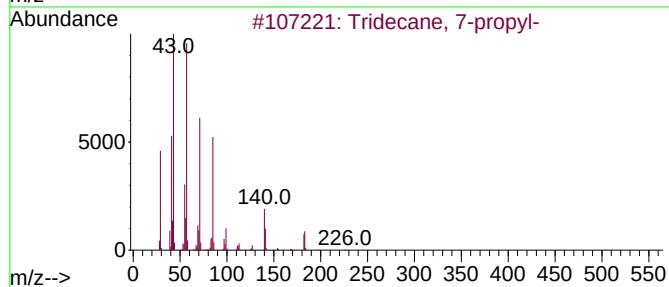
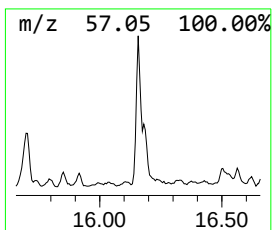
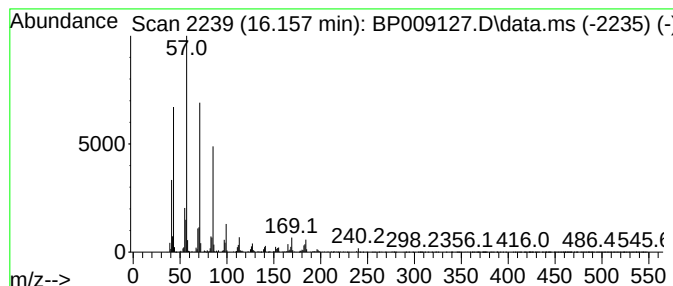
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 4 Tridecane, 7-propyl- Concentration Rank 5

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 16.157 | 3.18 ng | 619000 | Phenanthrene-d10 | 17.198 |

| Hit# | of | 5 | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------|-----|---------|-------------|------|
| 1    |    |   | Tridecane, 7-propyl-  | 226 | C16H34  | 055045-09-5 | 90   |
| 2    |    |   | Tetradecane           | 198 | C14H30  | 000629-59-4 | 90   |
| 3    |    |   | Heptadecane           | 240 | C17H36  | 000629-78-7 | 89   |
| 4    |    |   | Nonadecane            | 268 | C19H40  | 000629-92-5 | 83   |
| 5    |    |   | Tetradecane, 4-ethyl- | 226 | C16H34  | 055045-14-2 | 83   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP021122\  
Data File : BP009127.D  
Acq On : 11 Feb 2022 22:58  
Operator : CG/JU  
Sample : N1496-01 2X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
OK-01-021022

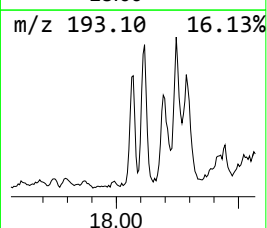
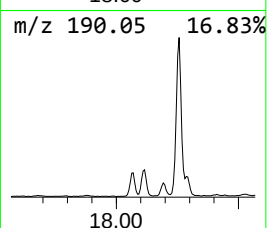
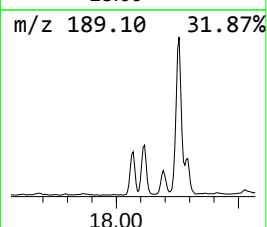
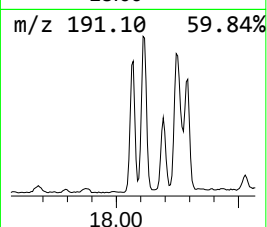
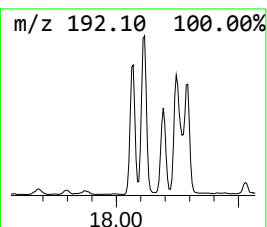
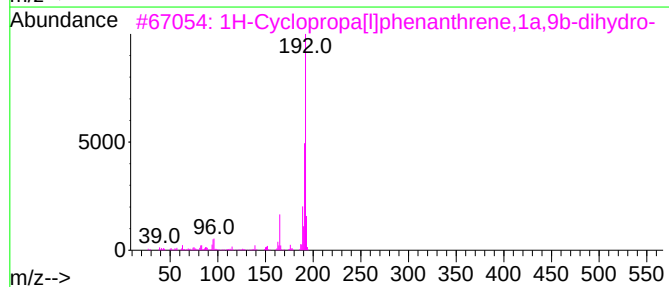
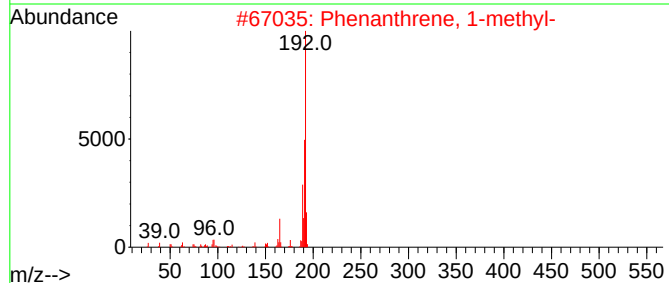
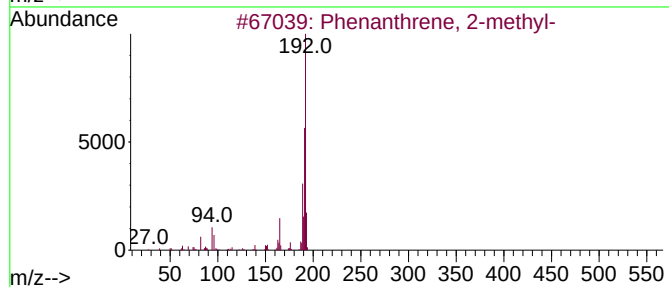
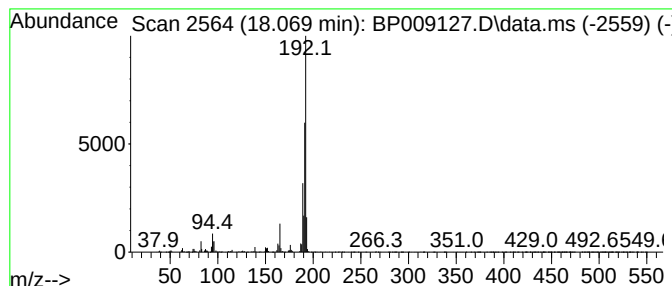
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 7

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 18.069 | 2.59 ng | 504400 | Phenanthrene-d10 | 17.198 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Phenanthrene, 2-methyl-             | 192 | C15H12  | 002531-84-2 | 97   |
| 2    |    |   | Phenanthrene, 1-methyl-             | 192 | C15H12  | 000832-69-9 | 96   |
| 3    |    |   | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12  | 000949-41-7 | 96   |
| 4    |    |   | Anthracene, 2-methyl-               | 192 | C15H12  | 000613-12-7 | 95   |
| 5    |    |   | Anthracene, 1-methyl-               | 192 | C15H12  | 000610-48-0 | 93   |





Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP021122\  
Data File : BP009127.D  
Acq On : 11 Feb 2022 22:58  
Operator : CG/JU  
Sample : N1496-01 2X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
OK-01-021022

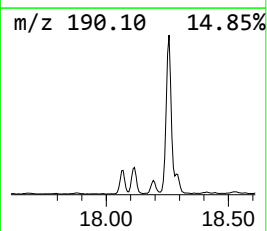
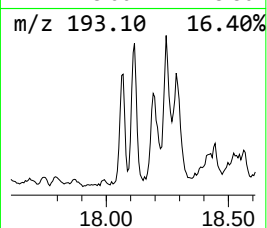
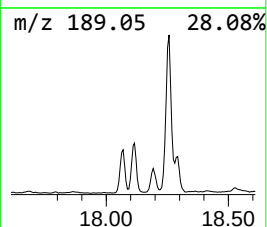
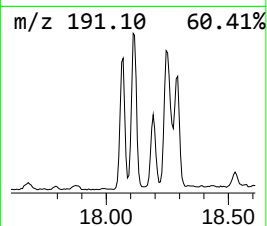
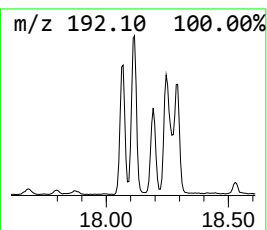
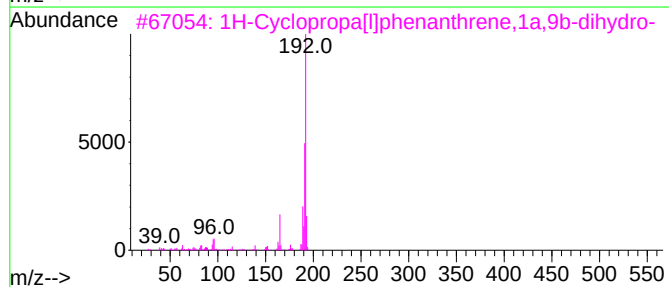
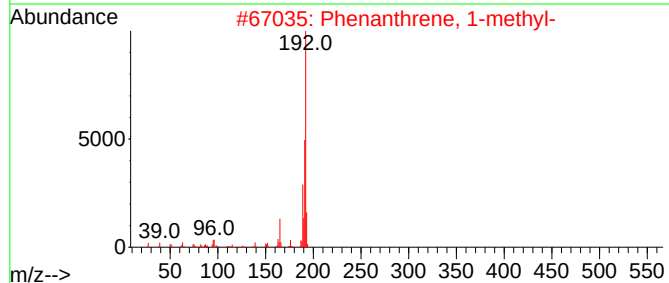
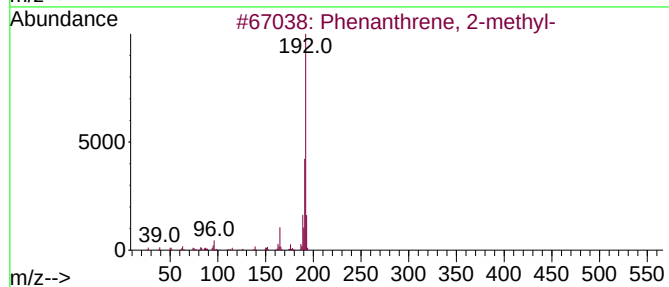
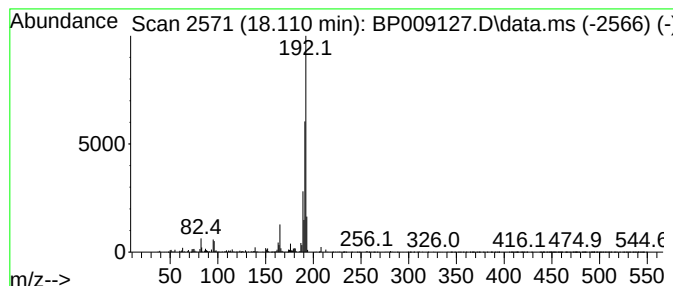
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 18.110 | 4.84 ng | 941818 | Phenanthrene-d10 | 17.198 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Phenanthrene, 2-methyl-             | 192 | C15H12  | 002531-84-2 | 97   |
| 2    |    |   | Phenanthrene, 1-methyl-             | 192 | C15H12  | 000832-69-9 | 96   |
| 3    |    |   | 1H-Cyclopropa[1]phenanthrene,1a,... | 192 | C15H12  | 000949-41-7 | 95   |
| 4    |    |   | Anthracene, 2-methyl-               | 192 | C15H12  | 000613-12-7 | 95   |
| 5    |    |   | Anthracene, 1-methyl-               | 192 | C15H12  | 000610-48-0 | 91   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP021122\  
Data File : BP009127.D  
Acq On : 11 Feb 2022 22:58  
Operator : CG/JU  
Sample : N1496-01 2X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
OK-01-021022

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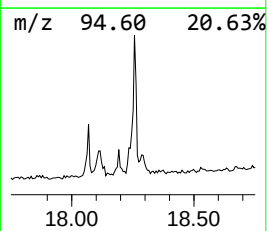
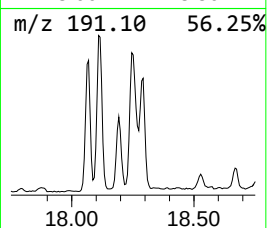
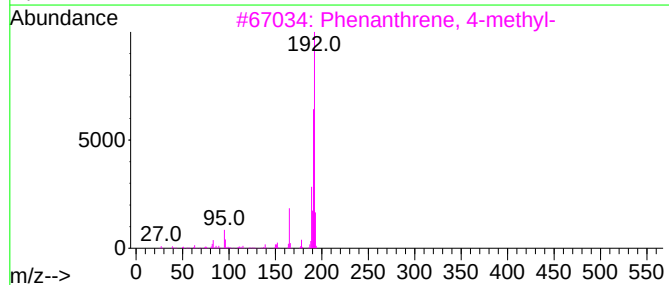
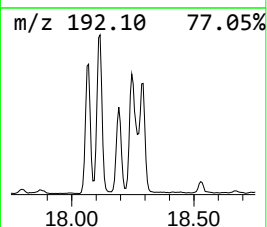
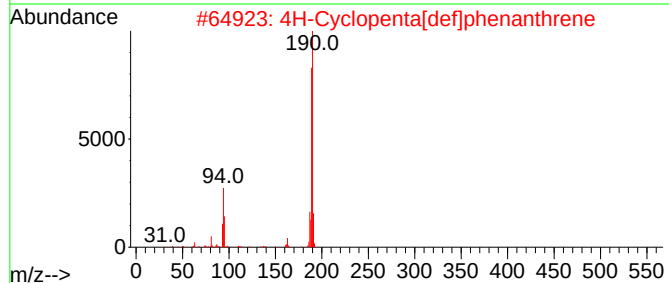
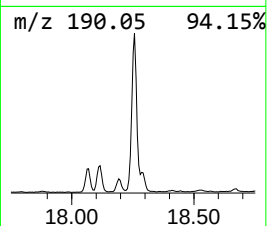
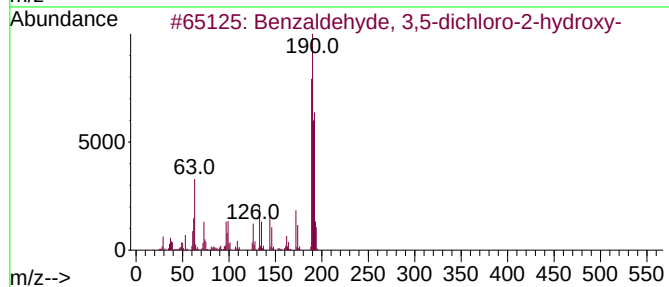
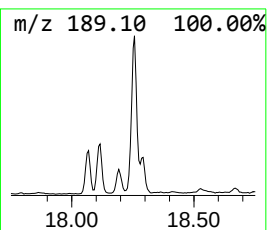
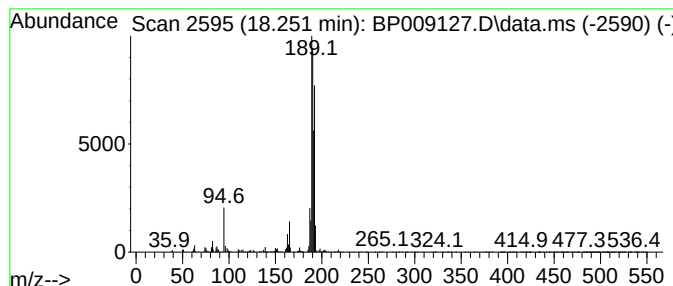
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Benzaldehyde, 3,5-dichloro-... Concentration Rank 2

| R.T.   | EstConc | Area    | Relative to ISTD | R.T.   |
|--------|---------|---------|------------------|--------|
| 18.251 | 5.78 ng | 1124190 | Phenanthrene-d10 | 17.198 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|-----------|-------------|------|
| 1    |    |   | Benzaldehyde, 3,5-dichloro-2-hyd... | 190 | C7H4Cl2O2 | 000090-60-8 | 72   |
| 2    |    |   | 4H-Cyclopenta[def]phenanthrene      | 190 | C15H10    | 000203-64-5 | 55   |
| 3    |    |   | Phenanthrene, 4-methyl-             | 192 | C15H12    | 000832-64-4 | 42   |
| 4    |    |   | Anthracene, 2-methyl-               | 192 | C15H12    | 000613-12-7 | 42   |
| 5    |    |   | Phenanthrene, 1-methyl-             | 192 | C15H12    | 000832-69-9 | 38   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP021122\  
Data File : BP009127.D  
Acq On : 11 Feb 2022 22:58  
Operator : CG/JU  
Sample : N1496-01 2X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
OK-01-021022

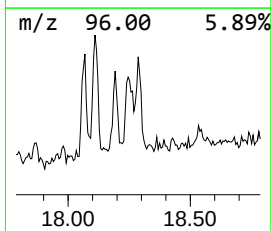
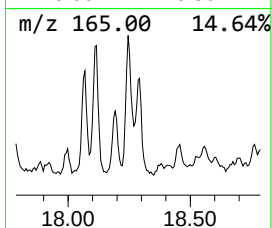
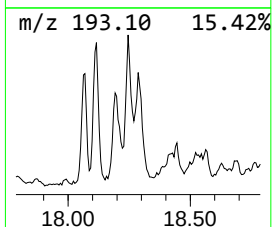
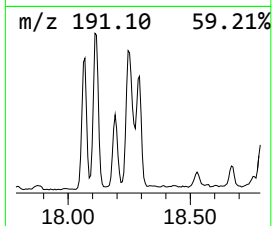
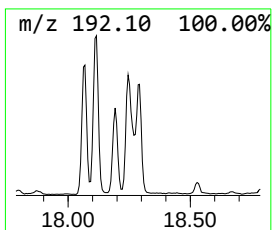
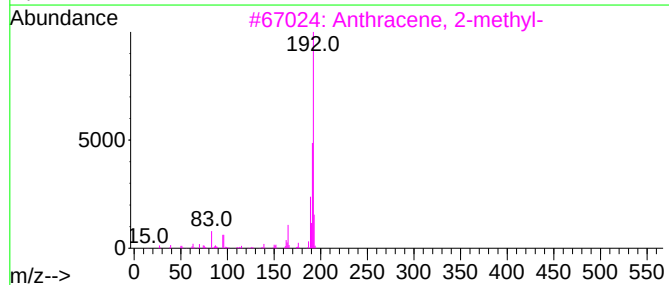
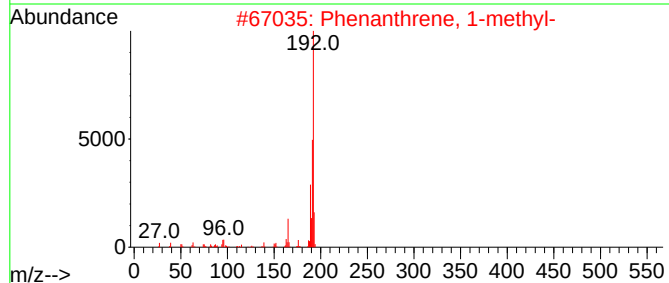
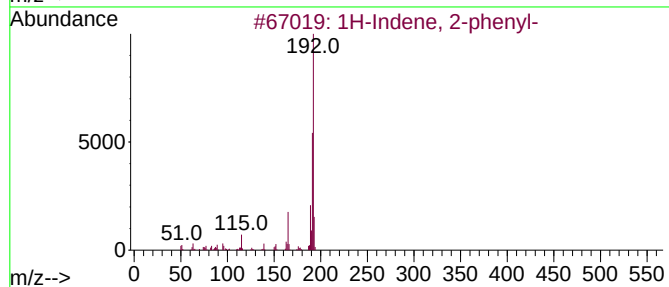
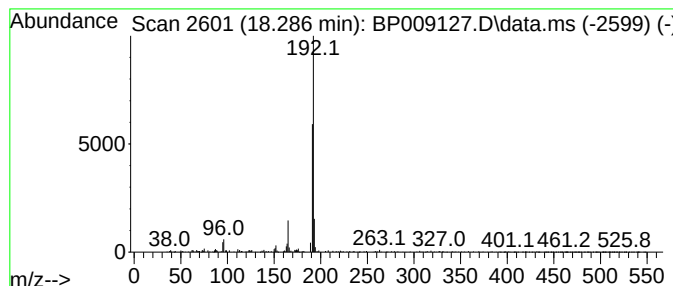
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 8 1H-Indene, 2-phenyl- Concentration Rank 11

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 18.286 | 2.11 ng | 410497 | Phenanthrene-d10 | 17.198 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|------|-------------------------------------|-----|---------|-------------|------|
| 1    |      | 1H-Indene, 2-phenyl-                | 192 | C15H12  | 004505-48-0 | 90   |
| 2    |      | Phenanthrene, 1-methyl-             | 192 | C15H12  | 000832-69-9 | 90   |
| 3    |      | Anthracene, 2-methyl-               | 192 | C15H12  | 000613-12-7 | 90   |
| 4    |      | 1H-Cyclopropa[1]phenanthrene,1a,... | 192 | C15H12  | 000949-41-7 | 90   |
| 5    |      | Phenanthrene, 2-methyl-             | 192 | C15H12  | 002531-84-2 | 87   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP021122\  
Data File : BP009127.D  
Acq On : 11 Feb 2022 22:58  
Operator : CG/JU  
Sample : N1496-01 2X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
OK-01-021022

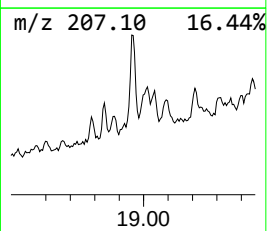
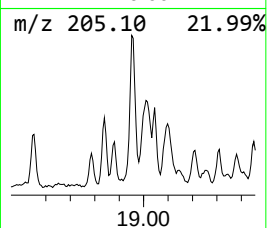
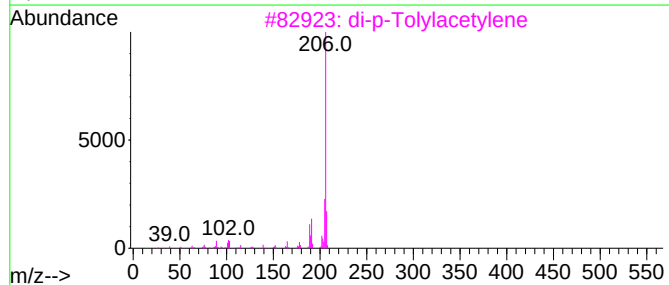
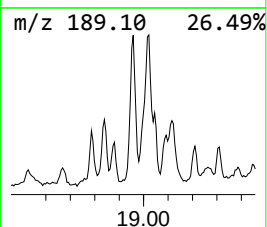
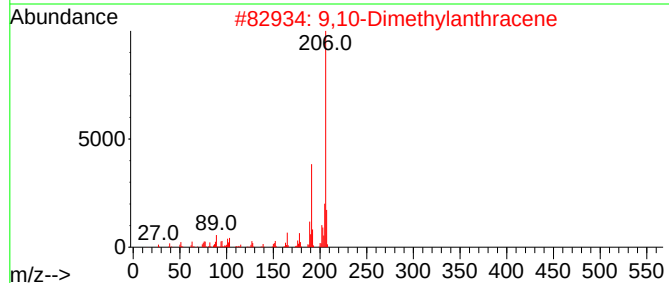
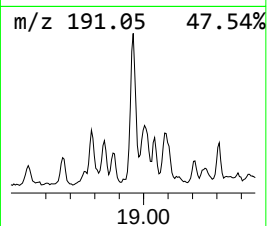
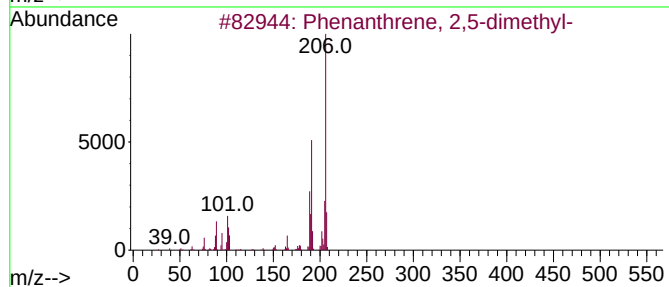
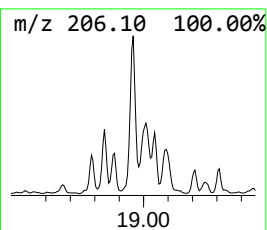
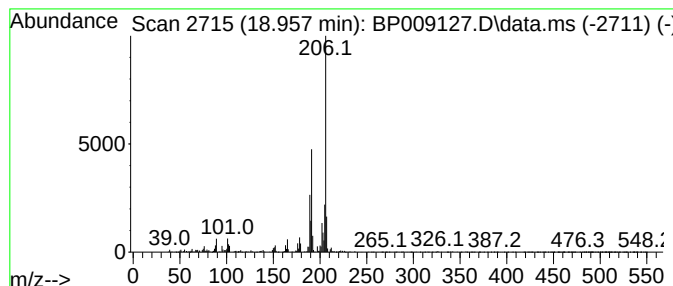
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 3

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 18.957 | 4.92 ng | 957828 | Phenanthrene-d10 | 17.198 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#         | Qual |
|------|----|---|-----------------------------|-----|---------|--------------|------|
| 1    |    |   | Phenanthrene, 2,5-dimethyl- | 206 | C16H14  | 003674-66-6  | 95   |
| 2    |    |   | 9,10-Dimethylanthracene     | 206 | C16H14  | 000781-43-1  | 93   |
| 3    |    |   | di-p-Tolylacetylene         | 206 | C16H14  | 002789-88-0  | 93   |
| 4    |    |   | Phenanthrene, 2,3-dimethyl- | 206 | C16H14  | 003674-65-5  | 93   |
| 5    |    |   | 3,4-Dimethylphenanthrene    | 206 | C16H14  | 1000452-24-5 | 93   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP021122\  
Data File : BP009127.D  
Acq On : 11 Feb 2022 22:58  
Operator : CG/JU  
Sample : N1496-01 2X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
OK-01-021022

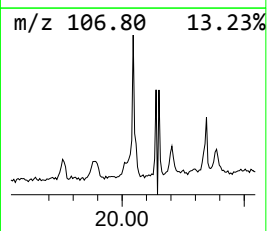
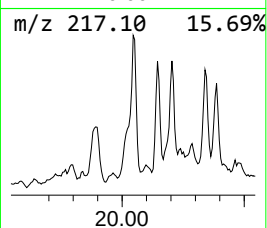
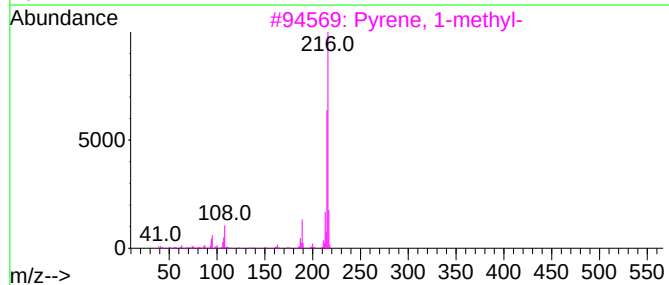
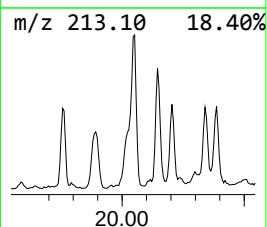
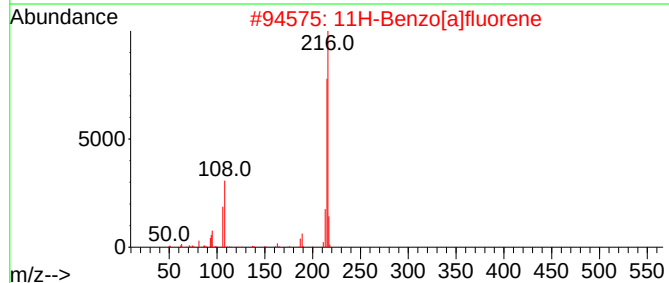
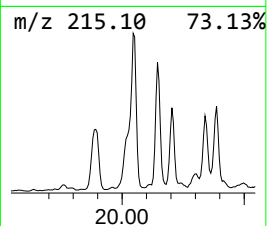
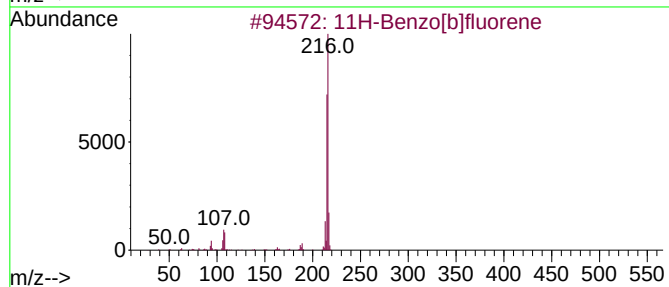
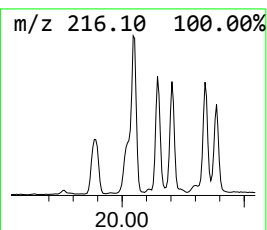
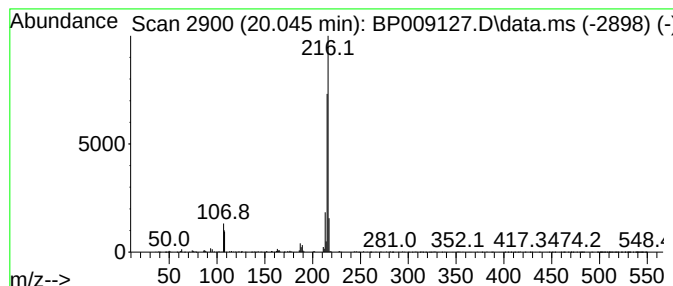
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 10 11H-Benzo[b]fluorene Concentration Rank 6

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 20.045 | 3.16 ng | 940695 | Chrysene-d12     | 21.292 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|------|-------------------------------------|-----|-----------|-------------|------|
| 1    |      | 11H-Benzo[b]fluorene                | 216 | C17H12    | 000243-17-4 | 93   |
| 2    |      | 11H-Benzo[a]fluorene                | 216 | C17H12    | 000238-84-6 | 81   |
| 3    |      | Pyrene, 1-methyl-                   | 216 | C17H12    | 002381-21-7 | 72   |
| 4    |      | Pyrene, 2-methyl-                   | 216 | C17H12    | 003442-78-2 | 68   |
| 5    |      | trans-p-(Trifluoromethyl)cinnami... | 216 | C10H7F3O2 | 016642-92-5 | 59   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP021122\  
Data File : BP009127.D  
Acq On : 11 Feb 2022 22:58  
Operator : CG/JU  
Sample : N1496-01 2X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
OK-01-021022

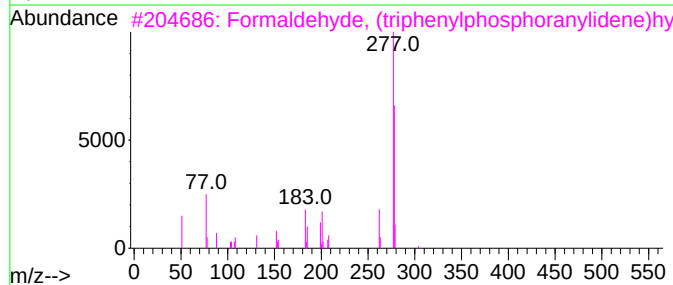
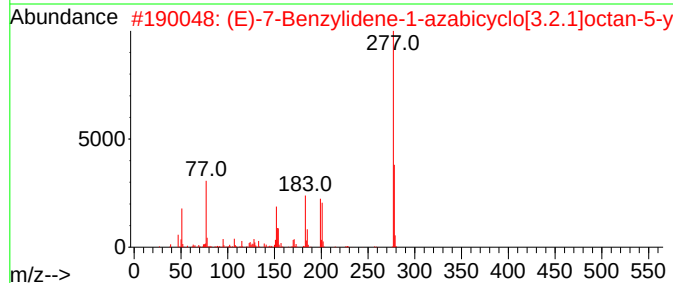
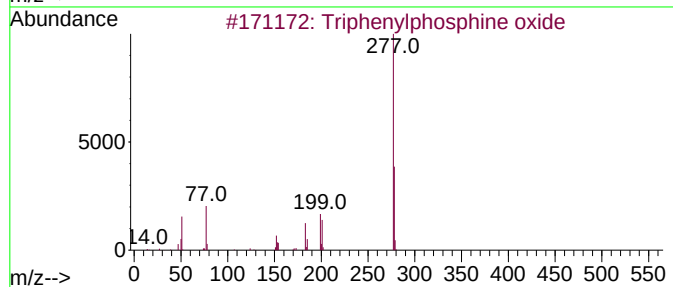
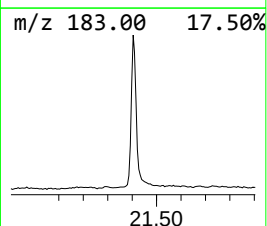
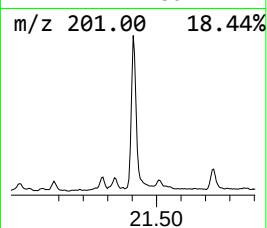
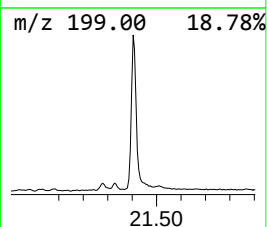
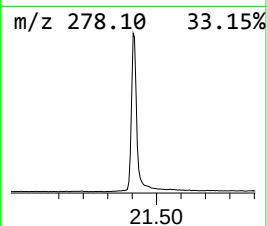
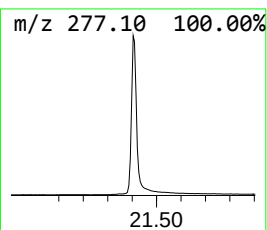
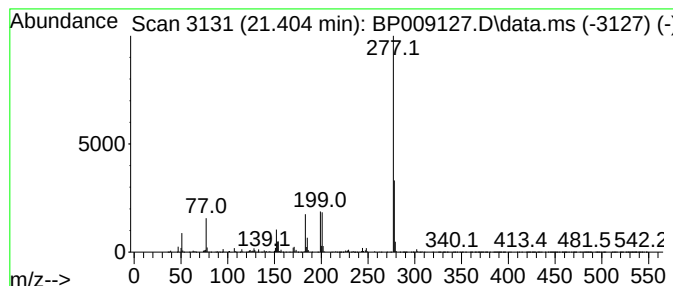
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP020722.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 11 Triphenylphosphine oxide Concentration Rank 1

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 21.404 | 10.04 ng | 2989190 | Chrysene-d12     | 21.292 |

| Hit# | of | 5 | Tentative ID                         | MW  | MolForm     | CAS#         | Qual |
|------|----|---|--------------------------------------|-----|-------------|--------------|------|
| 1    |    |   | Triphenylphosphine oxide             | 278 | C18H15OP    | 000791-28-6  | 96   |
| 2    |    |   | (E)-7-Benzylidene-1-azabicyclo[3...] | 293 | C15H19NO3S  | 1000483-83-4 | 91   |
| 3    |    |   | Formaldehyde, (triphenylphosphor...  | 304 | C19H17N2P   | 015990-54-2  | 47   |
| 4    |    |   | (Carbethoxymethyl)-triphenylphos...  | 428 | C22H22BrO2P | 001530-45-6  | 40   |
| 5    |    |   | 3-(3,4-Dichlorophenyl)-2-thioxo-...  | 277 | C9H5Cl2NOS2 | 017046-34-3  | 38   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP021122\  
Data File : BP009127.D  
Acq On : 11 Feb 2022 22:58  
Operator : CG/JU  
Sample : N1496-01 2X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
OK-01-021022

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP020722.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 |
| Hexadecane         | 14.339 | 2.2     | ng    | 362918   | 3                     | 14.434 | 3307150 | 20.0 |
| Pentadecane        | 15.292 | 2.3     | ng    | 387499   | 3                     | 14.434 | 3307150 | 20.0 |
| 2-Azetidinone, ... | 15.486 | 2.2     | ng    | 369098   | 3                     | 14.434 | 3307150 | 20.0 |
| Tridecane, 7-pr... | 16.157 | 3.2     | ng    | 619000   | 4                     | 17.198 | 3891410 | 20.0 |
| Phenanthrene, 2... | 18.069 | 2.6     | ng    | 504400   | 4                     | 17.198 | 3891410 | 20.0 |
| Phenanthrene, 1... | 18.110 | 4.8     | ng    | 941818   | 4                     | 17.198 | 3891410 | 20.0 |
| Benzaldehyde, 3... | 18.251 | 5.8     | ng    | 1124190  | 4                     | 17.198 | 3891410 | 20.0 |
| 1H-Indene, 2-ph... | 18.286 | 2.1     | ng    | 410497   | 4                     | 17.198 | 3891410 | 20.0 |
| Phenanthrene, 2... | 18.957 | 4.9     | ng    | 957828   | 4                     | 17.198 | 3891410 | 20.0 |
| 11H-Benzo[b]flu... | 20.045 | 3.2     | ng    | 940695   | 5                     | 21.292 | 5955050 | 20.0 |
| Triphenylphosph... | 21.404 | 10.0    | ng    | 2989190  | 5                     | 21.292 | 5955050 | 20.0 |