

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP012522\  
 Data File : BP008919.D  
 Acq On : 25 Jan 2022 21:35  
 Operator : CG/JU  
 Sample : N1248-01 5X  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 C1-C2

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-BP011422.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP008919.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         | 3.034       | 5             | 8           | 14           | rVB      | 128231         | 154090        | 2.98%           | 0.423%        |
| 2         | 3.316       | 53            | 56          | 67           | rVB      | 56694          | 88834         | 1.72%           | 0.244%        |
| 3         | 5.422       | 408           | 414         | 420          | rBV      | 506625         | 806841        | 15.62%          | 2.217%        |
| 4         | 5.481       | 420           | 424         | 433          | rVB      | 53985          | 115349        | 2.23%           | 0.317%        |
| 5         | 5.852       | 480           | 487         | 492          | rBV2     | 40746          | 69918         | 1.35%           | 0.192%        |
| 6         | 7.016       | 675           | 685         | 698          | rBV      | 427032         | 922270        | 17.85%          | 2.535%        |
| 7         | 7.487       | 756           | 765         | 770          | rBV2     | 86776          | 188472        | 3.65%           | 0.518%        |
| 8         | 7.834       | 816           | 824         | 836          | rBV      | 911052         | 1537411       | 29.76%          | 4.225%        |
| 9         | 7.952       | 839           | 844         | 853          | rVB2     | 39359          | 73269         | 1.42%           | 0.201%        |
| 10        | 8.381       | 912           | 917         | 924          | rBV3     | 25564          | 54588         | 1.06%           | 0.150%        |
| 11        | 8.946       | 1003          | 1013        | 1016         | rBV2     | 31012          | 60052         | 1.16%           | 0.165%        |
| 12        | 8.999       | 1016          | 1022        | 1030         | rVV      | 266094         | 531193        | 10.28%          | 1.460%        |
| 13        | 9.075       | 1030          | 1035        | 1045         | rVB      | 76511          | 137012        | 2.65%           | 0.377%        |
| 14        | 10.640      | 1291          | 1301        | 1307         | rBV      | 1144326        | 2042808       | 39.54%          | 5.614%        |
| 15        | 13.098      | 1712          | 1719        | 1732         | rBV      | 898657         | 1401913       | 27.13%          | 3.853%        |
| 16        | 14.198      | 1901          | 1906        | 1912         | rBV      | 53541          | 90127         | 1.74%           | 0.248%        |
| 17        | 14.475      | 1946          | 1953        | 1960         | rBV      | 1812487        | 2835245       | 54.88%          | 7.792%        |
| 18        | 14.539      | 1960          | 1964        | 1970         | rVB      | 29947          | 54796         | 1.06%           | 0.151%        |
| 19        | 15.528      | 2128          | 2132        | 2144         | rVB      | 34388          | 58710         | 1.14%           | 0.161%        |
| 20        | 15.975      | 2202          | 2208        | 2216         | rBV      | 679760         | 1037936       | 20.09%          | 2.853%        |
| 21        | 16.204      | 2243          | 2247        | 2258         | rVB7     | 26540          | 52069         | 1.01%           | 0.143%        |
| 22        | 16.992      | 2378          | 2381        | 2388         | rBV3     | 81562          | 114807        | 2.22%           | 0.316%        |
| 23        | 17.233      | 2416          | 2422        | 2427         | rBV      | 2337325        | 3439106       | 66.56%          | 9.452%        |
| 24        | 17.275      | 2427          | 2429        | 2435         | rVB      | 496779         | 622122        | 12.04%          | 1.710%        |
| 25        | 17.369      | 2441          | 2445        | 2451         | rVB      | 164804         | 236242        | 4.57%           | 0.649%        |
| 26        | 17.645      | 2488          | 2492        | 2499         | rBV      | 49931          | 75687         | 1.46%           | 0.208%        |
| 27        | 17.910      | 2534          | 2537        | 2540         | rBV2     | 36658          | 55785         | 1.08%           | 0.153%        |
| 28        | 18.127      | 2572          | 2574        | 2576         | rBV      | 83431          | 92858         | 1.80%           | 0.255%        |
| 29        | 18.292      | 2598          | 2602        | 2606         | rBV2     | 115875         | 199925        | 3.87%           | 0.549%        |
| 30        | 18.822      | 2689          | 2692        | 2697         | rVB2     | 119247         | 151992        | 2.94%           | 0.418%        |
| 31        | 19.245      | 2760          | 2764        | 2771         | rBV      | 1288880        | 1764078       | 34.14%          | 4.848%        |
| 32        | 19.598      | 2816          | 2824        | 2832         | rBV      | 1167604        | 2116549       | 40.97%          | 5.817%        |
| 33        | 19.792      | 2853          | 2857        | 2862         | rVB      | 1628774        | 1991815       | 38.55%          | 5.474%        |
| 34        | 21.239      | 3100          | 3103        | 3107         | rVB      | 736325         | 807473        | 15.63%          | 2.219%        |
| 35        | 21.327      | 3112          | 3118        | 3122         | rVV2     | 3187896        | 5166555       | 100.00%         | 14.200%       |
| 36        | 21.363      | 3122          | 3124        | 3128         | rVB      | 758220         | 788524        | 15.26%          | 2.167%        |

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ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
C1-C2

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-BP011422.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |         |
|----|--------|------|------|------|------|---------|---------|--------|---------|
| 37 | 21.439 | 3134 | 3137 | 3142 | rBV  | 923192  | 1403480 | 27.16% | 3.857%  |
| 38 | 23.010 | 3400 | 3404 | 3409 | rBV  | 674271  | 1245611 | 24.11% | 3.423%  |
| 39 | 23.745 | 3524 | 3529 | 3536 | rVB2 | 1956027 | 3799954 | 73.55% | 10.444% |

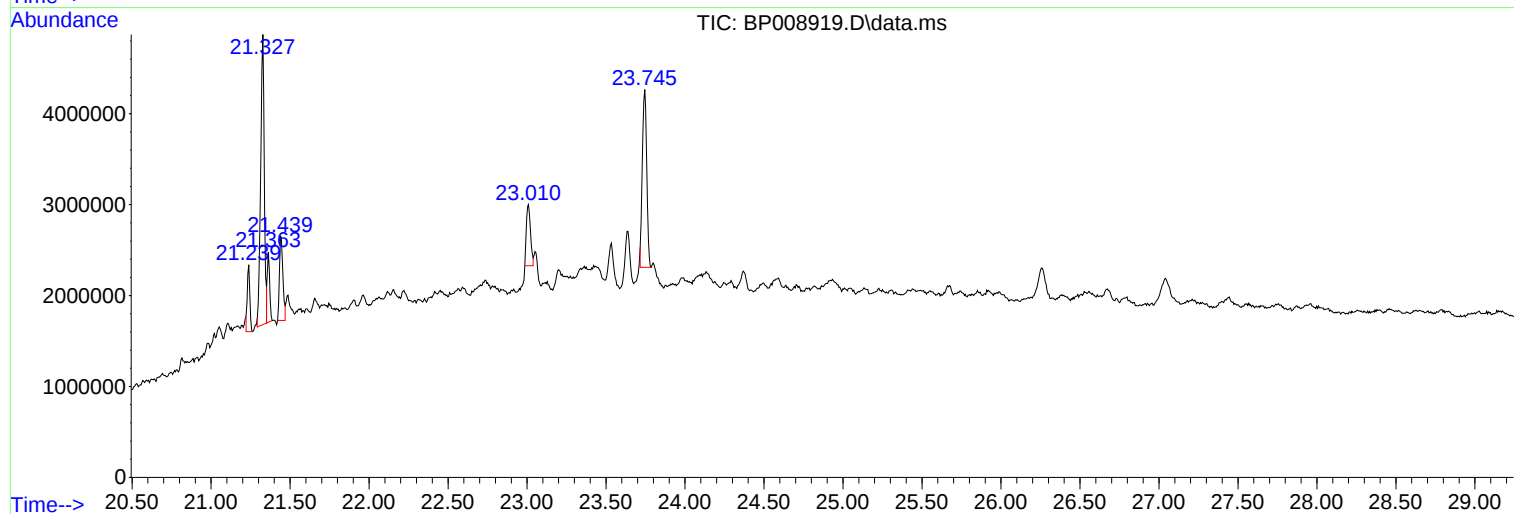
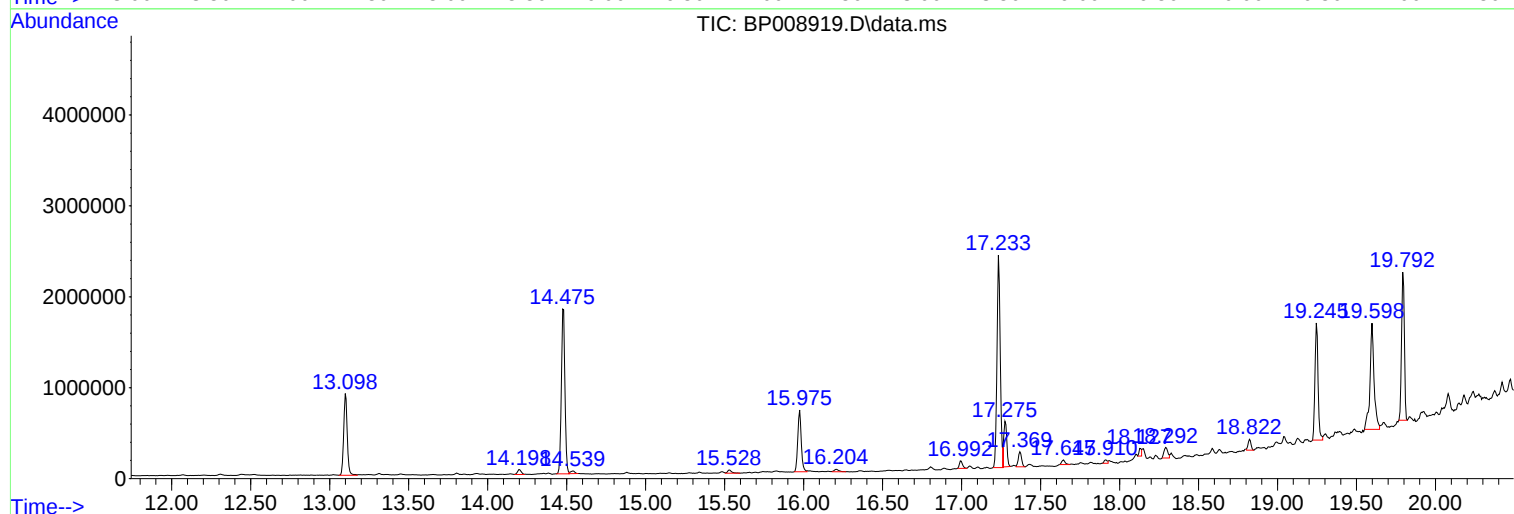
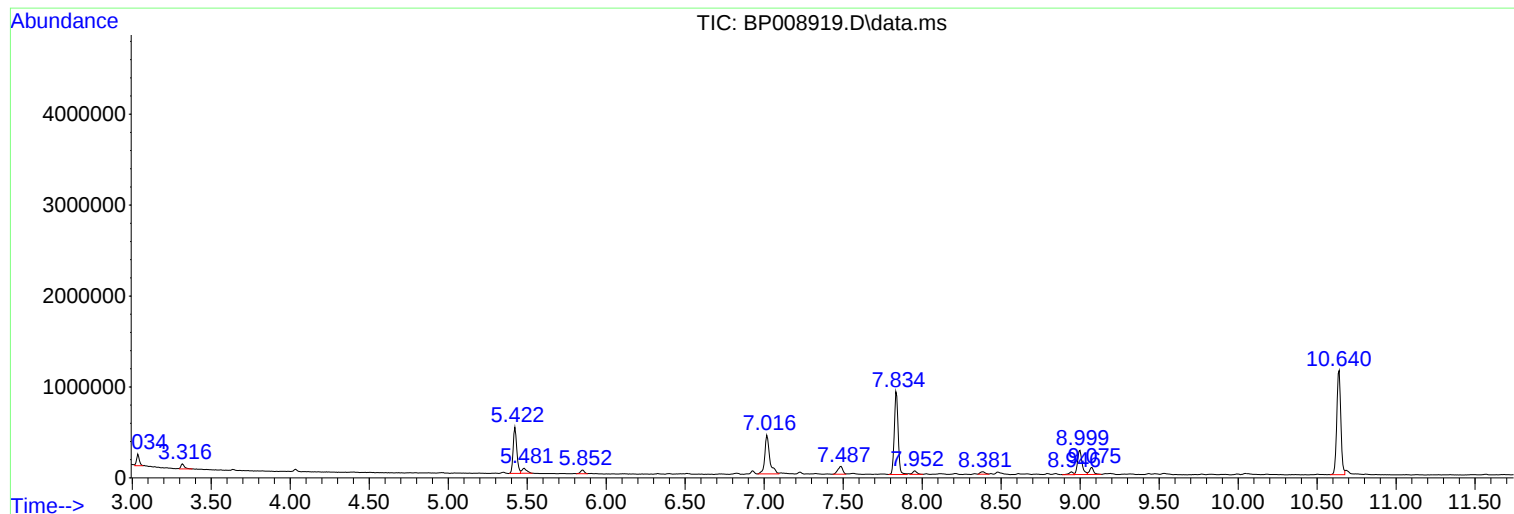
Sum of corrected areas: 36385466

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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP011422.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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Operator : CG/JU  
Sample : N1248-01 5X  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
C1-C2

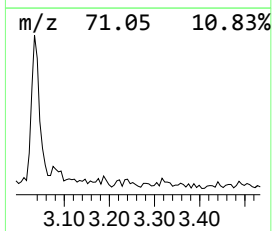
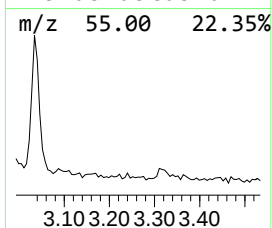
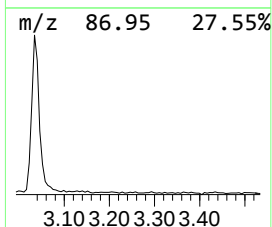
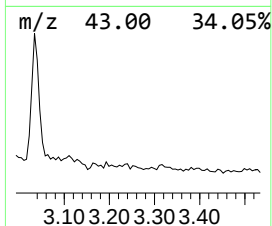
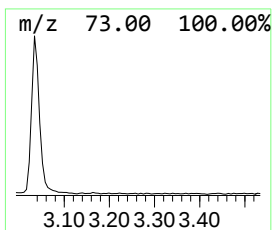
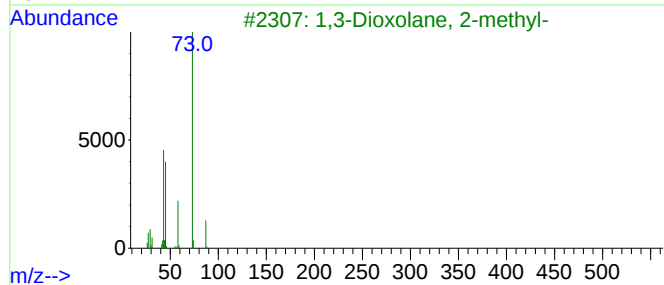
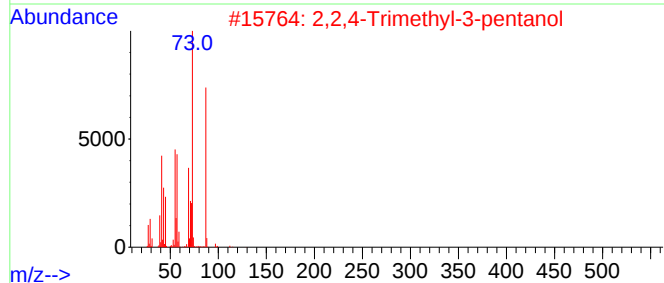
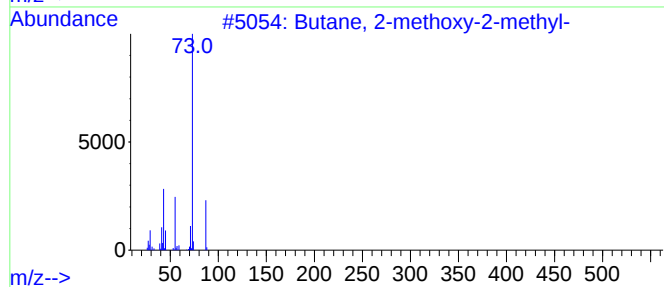
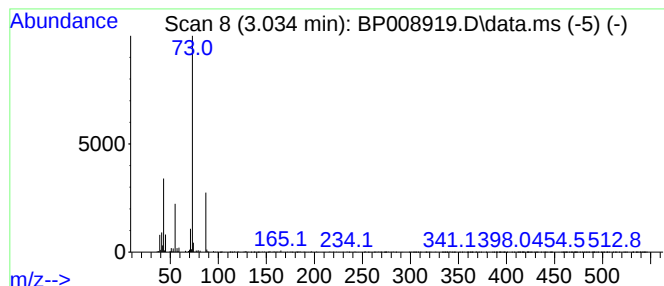
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP011422.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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 3

| R.T.  | EstConc | Area   | Relative to ISTD       | R.T.  |
|-------|---------|--------|------------------------|-------|
| 3.034 | 2.00 ng | 154090 | 1,4-Dichlorobenzene-d4 | 7.834 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 83   |
| 2    |    |   | 2,2,4-Trimethyl-3-pentanol  | 130 | C8H18O  | 005162-48-1 | 40   |
| 3    |    |   | 1,3-Dioxolane, 2-methyl-    | 88  | C4H8O2  | 000497-26-7 | 23   |
| 4    |    |   | Silane, tetramethyl-        | 88  | C4H12Si | 000075-76-3 | 12   |
| 5    |    |   | N-Ethylformamide            | 73  | C3H7NO  | 000627-45-2 | 9    |



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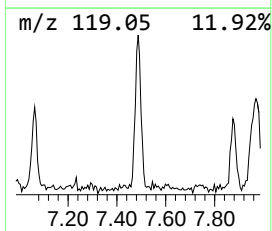
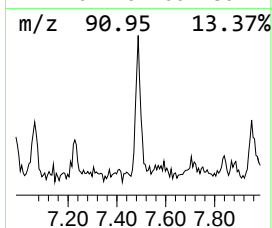
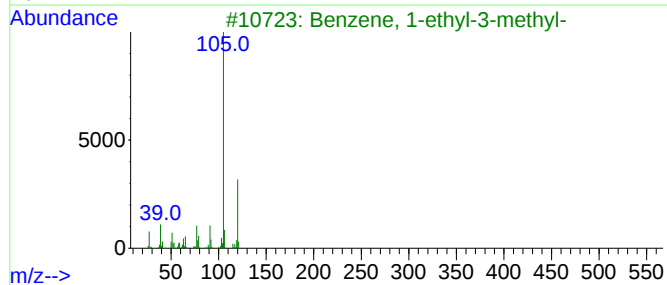
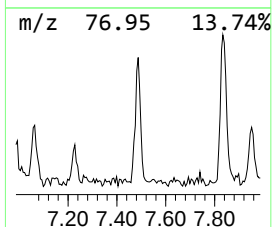
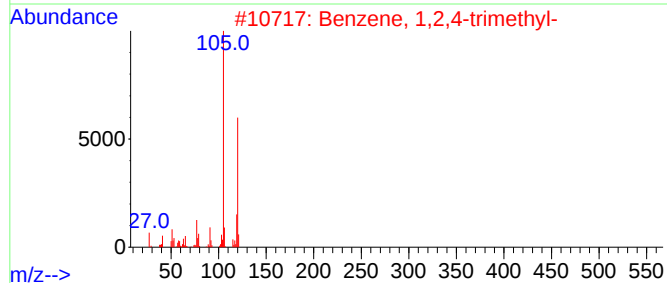
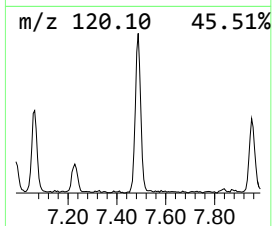
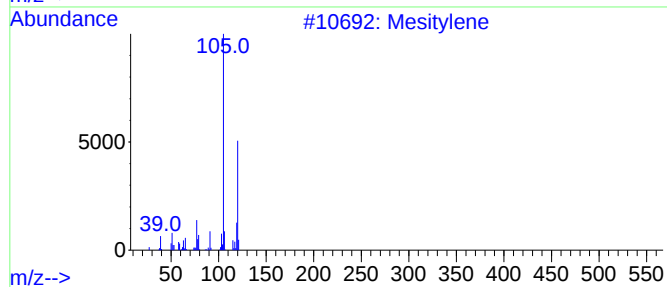
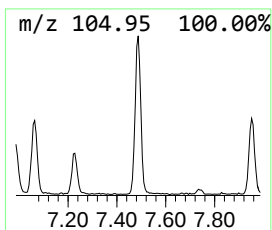
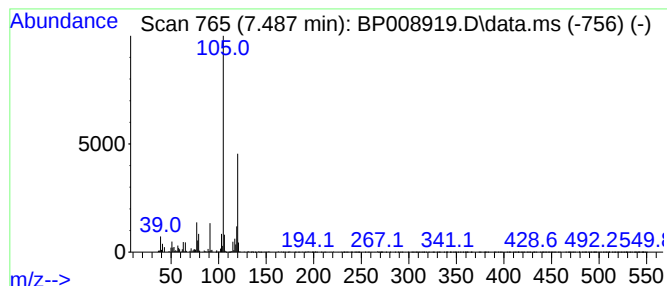
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP011422.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 2 Mesitylene Concentration Rank 2

| R.T.  | EstConc | Area   | Relative to ISTD       | R.T.  |
|-------|---------|--------|------------------------|-------|
| 7.487 | 2.45 ng | 188472 | 1,4-Dichlorobenzene-d4 | 7.834 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Mesitylene                 | 120 | C9H12   | 000108-67-8 | 97   |
| 2    |    |   | Benzene, 1,2,4-trimethyl-  | 120 | C9H12   | 000095-63-6 | 91   |
| 3    |    |   | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 90   |
| 4    |    |   | Benzene, 1,2,3-trimethyl-  | 120 | C9H12   | 000526-73-8 | 90   |
| 5    |    |   | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 87   |



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ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
C1-C2

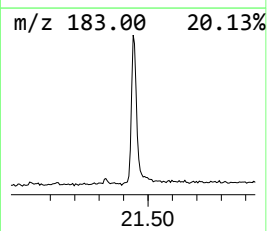
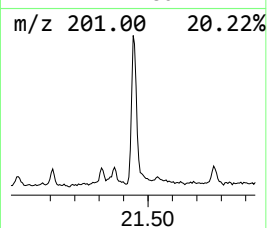
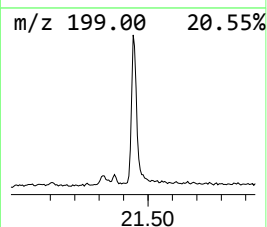
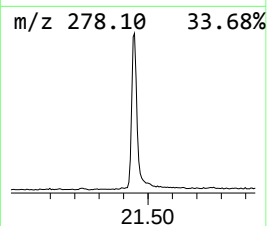
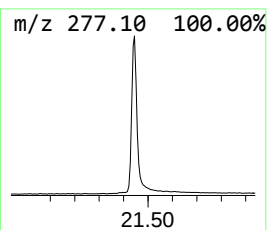
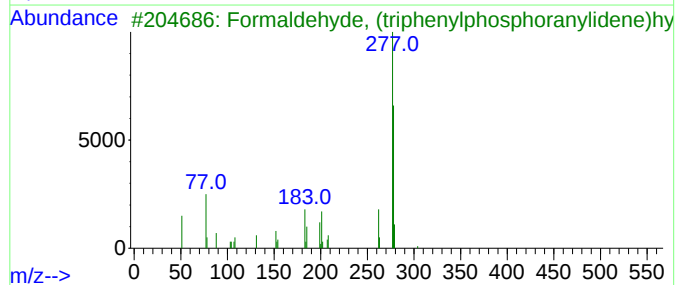
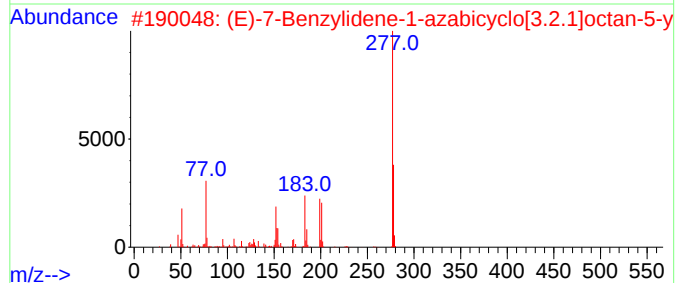
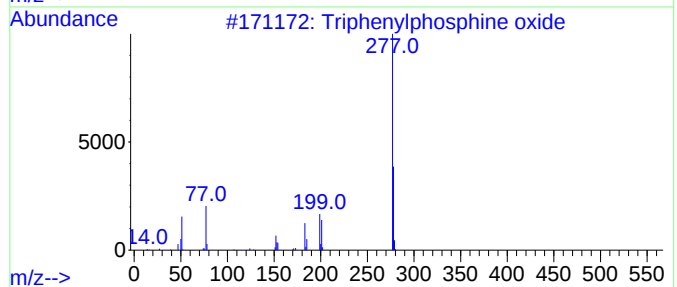
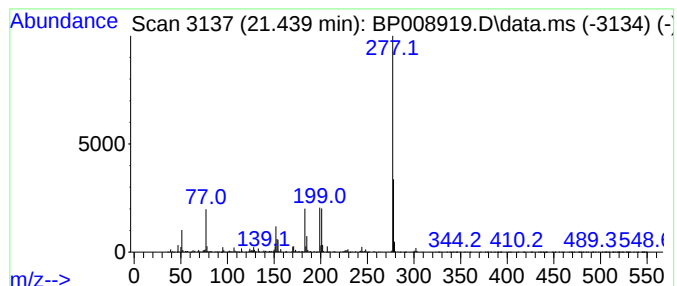
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP011422.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 3 Triphenylphosphine oxide Concentration Rank 1

| R.T.   | EstConc | Area    | Relative to ISTD | R.T.   |
|--------|---------|---------|------------------|--------|
| 21.439 | 5.43 ng | 1403480 | Chrysene-d12     | 21.327 |

| Hit# | of | 5 | Tentative ID                         | MW  | MolForm    | CAS#         | Qual |
|------|----|---|--------------------------------------|-----|------------|--------------|------|
| 1    |    |   | Triphenylphosphine oxide             | 278 | C18H15OP   | 000791-28-6  | 95   |
| 2    |    |   | (E)-7-Benzylidene-1-azabicyclo[3...] | 293 | C15H19NO3S | 1000483-83-4 | 91   |
| 3    |    |   | Formaldehyde, (triphenylphosphor...  | 304 | C19H17N2P  | 015990-54-2  | 42   |
| 4    |    |   | Vanadium, cycloheptatrienyl-(pen...  | 277 | C17H22V    | 1000155-20-5 | 38   |
| 5    |    |   | 2-Phenyl-6-(trifluoromethyl)-1H-...  | 277 | C15H10F3NO | 1000387-59-3 | 37   |



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

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |         |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|---------|------|
|                    |        |         |       |          | #                     | RT     | Resp    | Conc |
| Butane, 2-metho... | 3.034  | 2.0     | ng    | 154090   | 1                     | 7.834  | 1537410 | 20.0 |
| Mesitylene         | 7.487  | 2.5     | ng    | 188472   | 1                     | 7.834  | 1537410 | 20.0 |
| Triphenylphosph... | 21.439 | 5.4     | ng    | 1403480  | 5                     | 21.327 | 5166560 | 20.0 |