

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF072619\  
 Data File : BF115809.D  
 Acq On : 27 Jul 2019 1:25  
 Operator : HP/JU  
 Sample : K3620-13 2X  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CL-02-072519-B

Integration Parameters: rteint.p  
 Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0  
 Filtering: 5  
 Min Area: 3 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF071219.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

| 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         | 2.134       | 3             | 8           | 25           | rVB      | 351906         | 476576        | 25.92%          | 2.566%        |
| 2         | 5.487       | 575           | 578         | 601          | rBV      | 1281262        | 1468875       | 79.88%          | 7.909%        |
| 3         | 6.498       | 746           | 750         | 770          | rBV      | 1567503        | 1559721       | 84.82%          | 8.398%        |
| 4         | 6.639       | 770           | 774         | 789          | rVV      | 1891655        | 1632270       | 88.77%          | 8.789%        |
| 5         | 6.869       | 810           | 813         | 821          | rBV      | 1020872        | 878833        | 47.79%          | 4.732%        |
| 6         | 7.028       | 836           | 840         | 852          | rBV      | 1555169        | 1326912       | 72.16%          | 7.145%        |
| 7         | 7.428       | 904           | 908         | 921          | rBV      | 1002409        | 973595        | 52.95%          | 5.242%        |
| 8         | 8.151       | 1027          | 1031        | 1037         | rBV      | 1114365        | 1004594       | 54.63%          | 5.409%        |
| 9         | 9.222       | 1210          | 1213        | 1230         | rBV      | 1789657        | 1838842       | 100.00%         | 9.901%        |
| 10        | 9.616       | 1276          | 1280        | 1290         | rBV      | 216371         | 244013        | 13.27%          | 1.314%        |
| 11        | 9.904       | 1325          | 1329        | 1345         | rBV      | 1169193        | 1150883       | 62.59%          | 6.197%        |
| 12        | 10.692      | 1459          | 1463        | 1476         | rBV      | 696862         | 787622        | 42.83%          | 4.241%        |
| 13        | 11.392      | 1578          | 1582        | 1590         | rBV      | 977544         | 1022332       | 55.60%          | 5.505%        |
| 14        | 11.910      | 1664          | 1670        | 1679         | rBV4     | 92904          | 154900        | 8.42%           | 0.834%        |
| 15        | 12.480      | 1762          | 1767        | 1772         | rVV6     | 33365          | 53006         | 2.88%           | 0.285%        |
| 16        | 12.604      | 1785          | 1788        | 1793         | rBV      | 60856          | 65761         | 3.58%           | 0.354%        |
| 17        | 12.698      | 1801          | 1804        | 1808         | rBV5     | 27382          | 34283         | 1.86%           | 0.185%        |
| 18        | 12.833      | 1822          | 1827        | 1833         | rBV      | 76130          | 115070        | 6.26%           | 0.620%        |
| 19        | 12.968      | 1846          | 1850        | 1860         | rBV      | 1696863        | 1527206       | 83.05%          | 8.223%        |
| 20        | 13.157      | 1880          | 1882        | 1886         | rVB2     | 22755          | 20053         | 1.09%           | 0.108%        |
| 21        | 14.027      | 2026          | 2030        | 2041         | rBV      | 996285         | 1014198       | 55.15%          | 5.461%        |
| 22        | 14.874      | 2171          | 2174        | 2178         | rVB      | 270514         | 260547        | 14.17%          | 1.403%        |
| 23        | 15.498      | 2276          | 2280        | 2289         | rVB      | 655351         | 961626        | 52.30%          | 5.178%        |

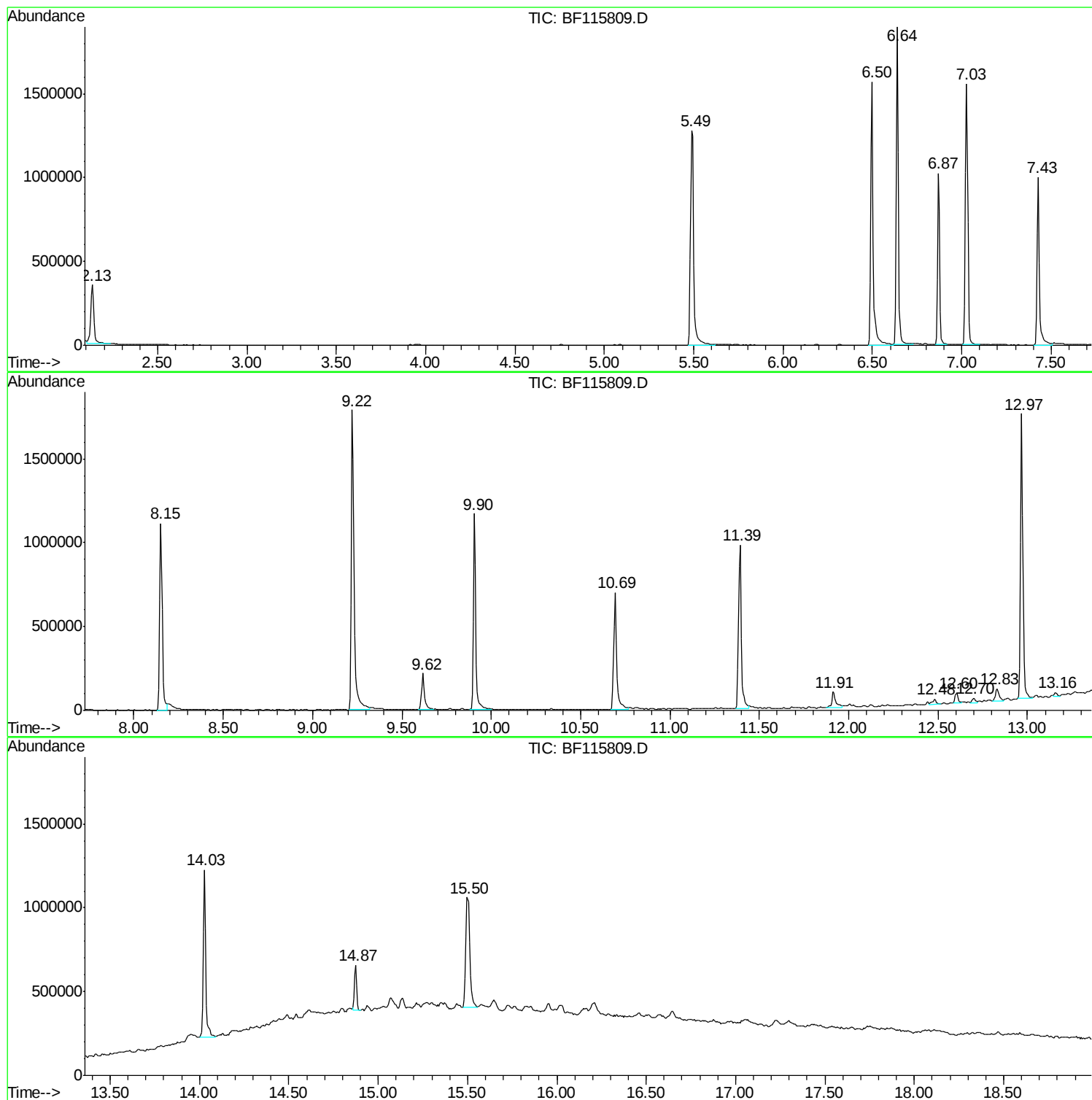
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Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampled :  
CL-02-072519-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P



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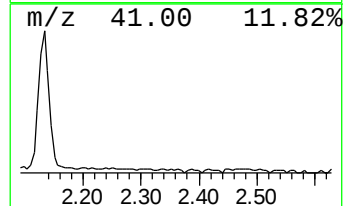
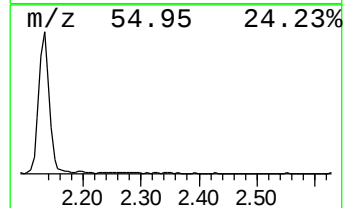
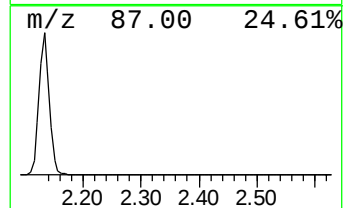
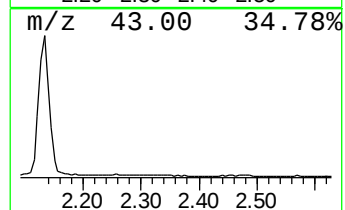
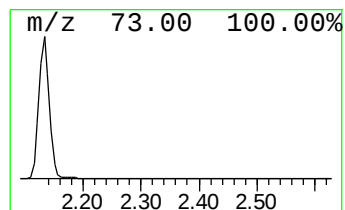
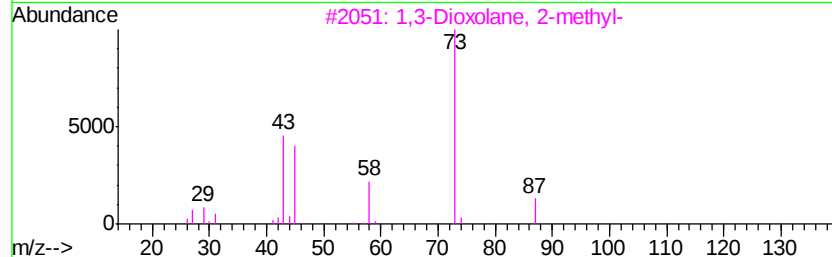
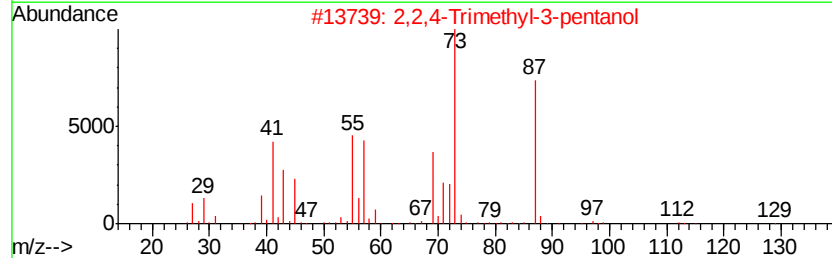
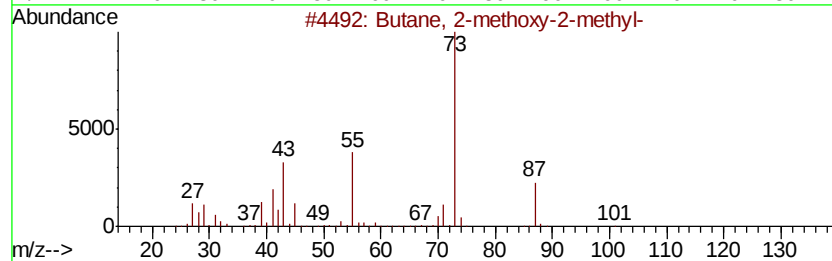
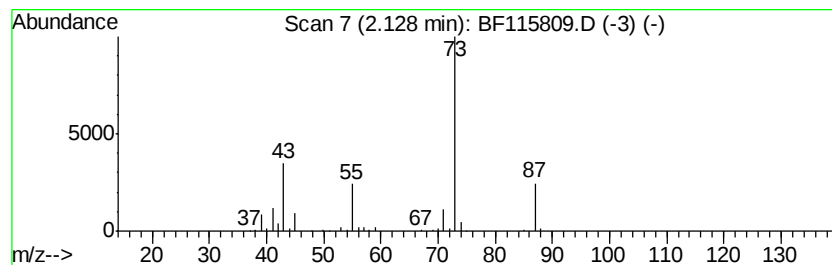
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.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. |
|------|----------|--------|------------------------|------|
| 2.13 | 10.85 ng | 476576 | 1,4-Dichlorobenzene-d4 | 6.87 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 83   |
| 2    |    | 2,2,4-Trimethyl-3-pentanol  | 130 | C8H18O  | 005162-48-1 | 39   |
| 3    |    | 1,3-Dioxolane, 2-methyl-    | 88  | C4H8O2  | 000497-26-7 | 25   |
| 4    |    | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 23   |
| 5    |    | Silane, tetramethyl-        | 88  | C4H12Si | 000075-76-3 | 17   |



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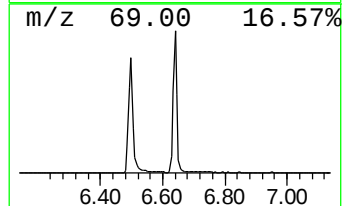
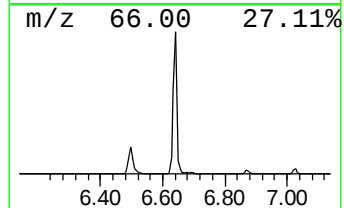
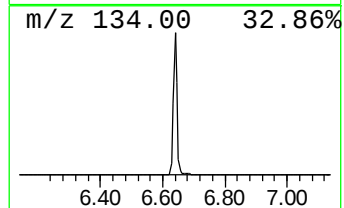
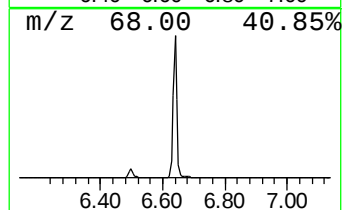
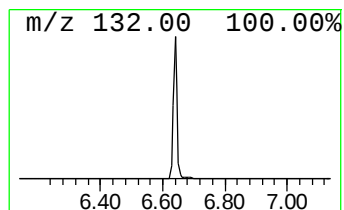
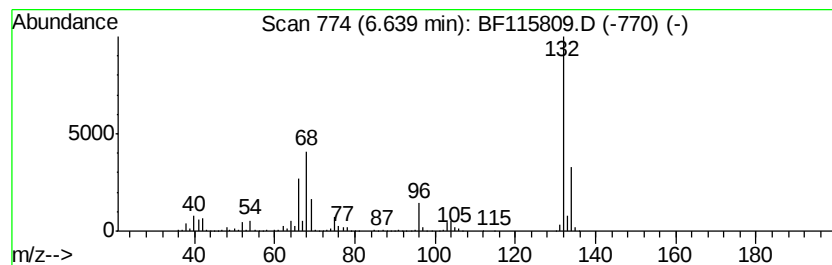
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 unknown6.64 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.64 | 37.15 ng | 1632270 | 1,4-Dichlorobenzene-d4 | 6.87 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | (E)-3-Chloro-2-methyl-2-pentenal    | 132 | C6H9ClO   | 031357-76-3  | 16   |
| 3    |    | Tranvlcypropane-propionyl           | 189 | C12H15NO  | 1000123-86-3 | 12   |
| 4    |    | 1,3,5-Trifluorobenzene              | 132 | C6H3F3    | 000372-38-3  | 9    |
| 5    |    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12    | 028749-81-7  | 9    |



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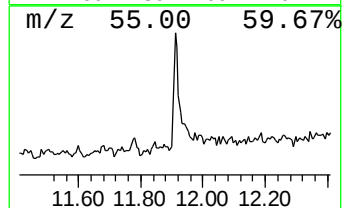
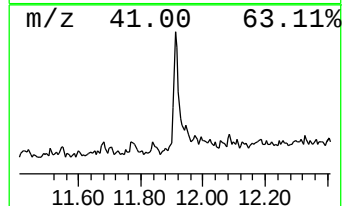
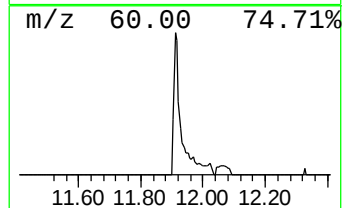
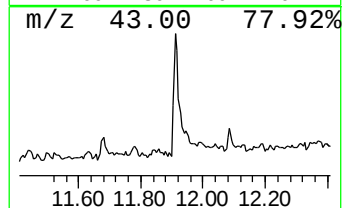
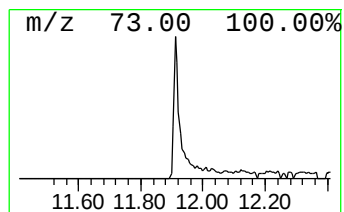
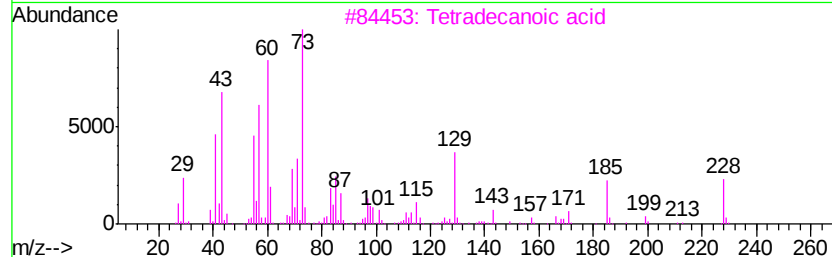
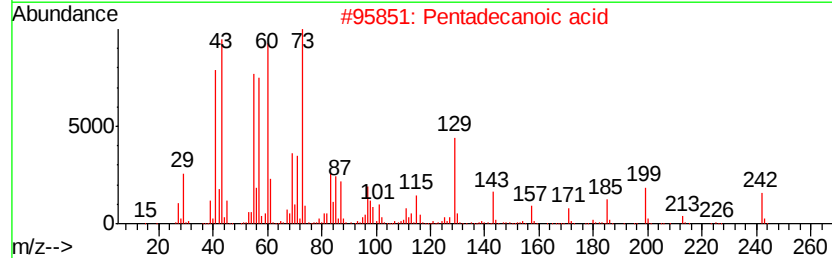
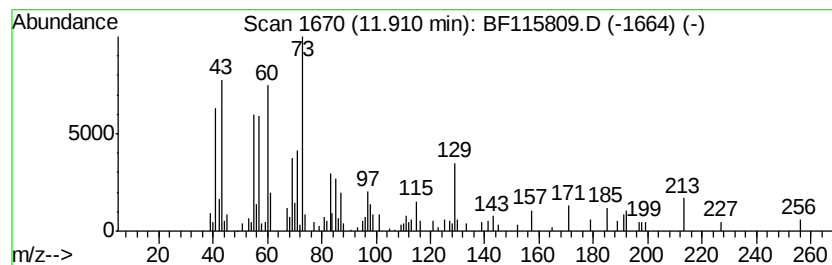
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 n-Hexadecanoic acid Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 11.91 | 3.03 ng | 154900 | Phenanthrene-d10 | 11.39 |

| Hit# of 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|-----------|---------------------|-----|----------|-------------|------|
| 1         | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 97   |
| 2         | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 87   |
| 3         | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 80   |
| 4         | Tetradecane         | 198 | C14H30   | 000629-59-4 | 53   |
| 5         | 1-Decanol, 2-hexyl- | 242 | C16H34O  | 002425-77-6 | 20   |



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ALS Vial : 19 Sample Multiplier: 1

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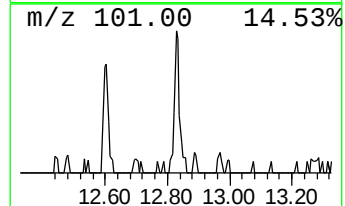
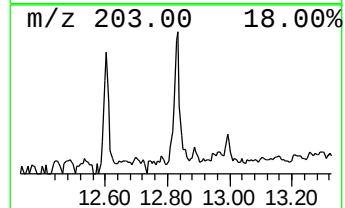
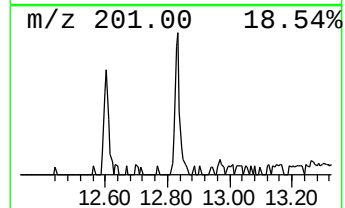
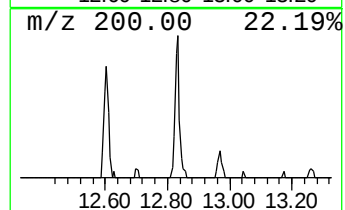
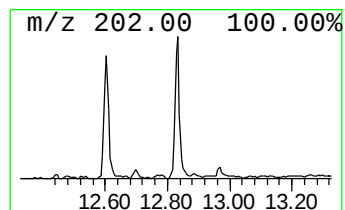
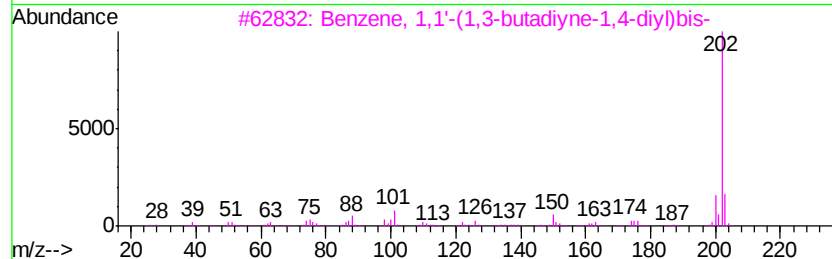
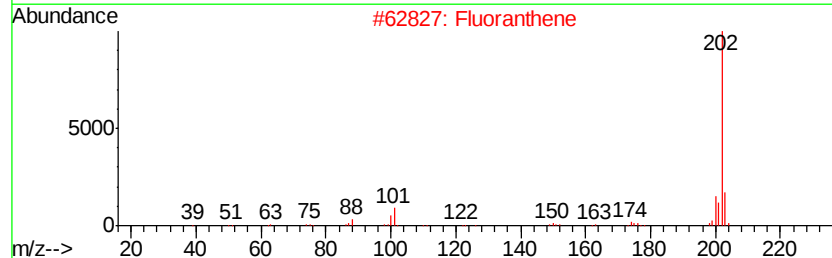
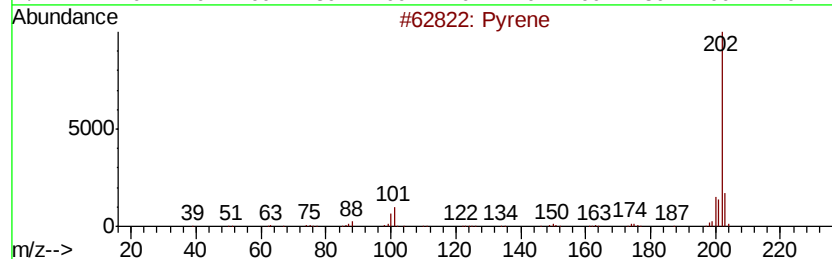
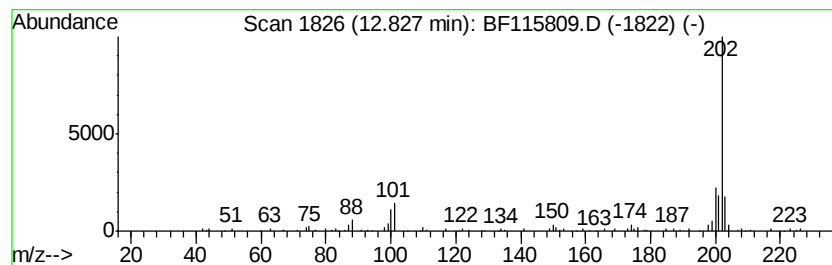
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TIC Integration Parameters: LSCINT.P

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Peak Number 5 Benzene, 1,1'-(1,3-butadiyn... Concentration Rank 6

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 12.83 | 2.27 ng | 115070 | Chrysene-d12     | 14.03 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|---------|---|-------------------------------------|-----|----------|-------------|------|
| 1       |   | Pyrene                              | 202 | C16H10   | 000129-00-0 | 93   |
| 2       |   | Fluoranthene                        | 202 | C16H10   | 000206-44-0 | 81   |
| 3       |   | Benzene, 1,1'-(1,3-butadiyne-1,4... | 202 | C16H10   | 000886-66-8 | 53   |
| 4       |   | Furan-2-one, 2,5-dihydro-5-(4-me... | 202 | C12H10O3 | 024962-84-3 | 38   |
| 5       |   | 1-Methyl-7,11-dithiaspiro[5,5] u... | 202 | C10H18S2 | 107678-22-8 | 38   |



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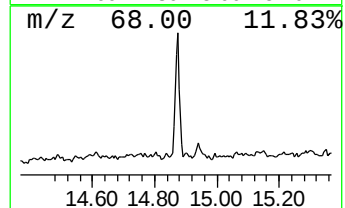
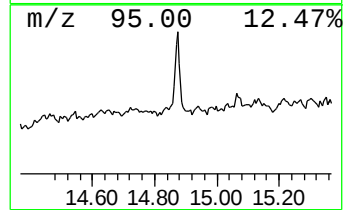
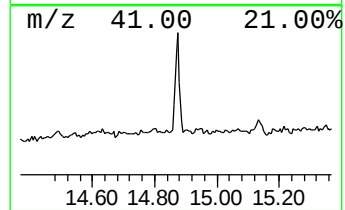
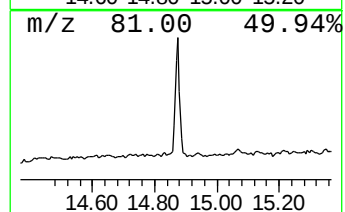
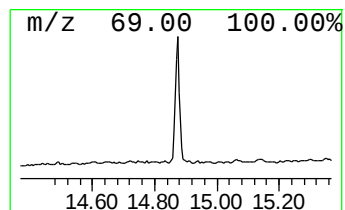
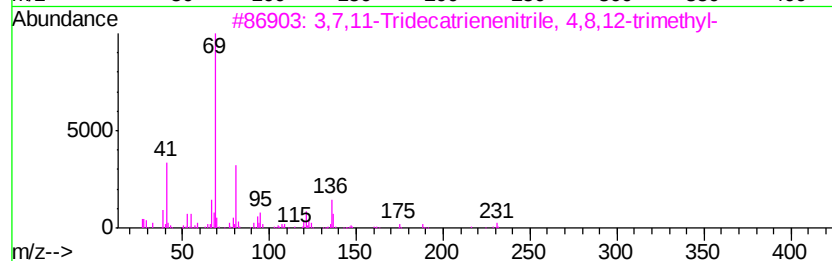
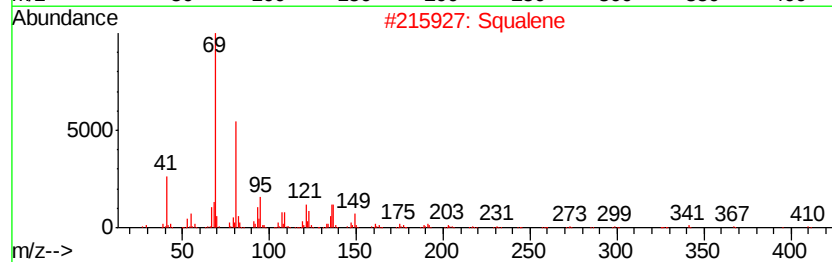
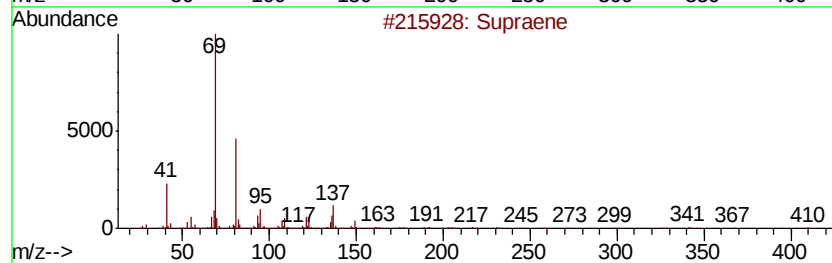
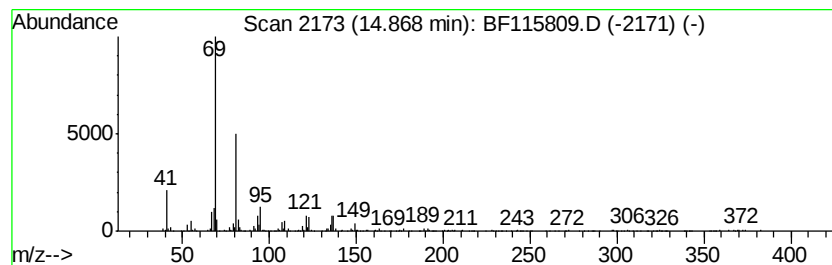
TIC Library : C:\DATABASE\NIST11.L  
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\*\*\*\*\*  
Peak Number 6 Supraene Concentration Rank 4

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 14.87 | 5.42 ng | 260547 | Perylene-d12     | 15.50 |

| Hit# of | 5                                   | Tentative ID | MW  | MolForm  | CAS#        | Qual |
|---------|-------------------------------------|--------------|-----|----------|-------------|------|
| 1       | Supraene                            |              | 410 | C30H50   | 007683-64-9 | 91   |
| 2       | Squalene                            |              | 410 | C30H50   | 000111-02-4 | 91   |
| 3       | 3,7,11-Tridecatrienitrile, 4,8...   |              | 231 | C16H25N  | 006006-01-5 | 78   |
| 4       | 2,6,10,14-Hexadecatetraenoic aci... |              | 318 | C21H34O2 | 042207-88-5 | 72   |
| 5       | 4-Methyl-1,5-Heptadiene             |              | 110 | C8H14    | 000998-94-7 | 52   |



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CL-02-072519-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF071219.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| Butane, 2-methoxy... | 2.13  | 10.9    | ng    | 476576   | 1                     | 6.87  | 878833  | 20.0 |
| unknown6.64          | 6.64  | 37.1    | ng    | 1632270  | 1                     | 6.87  | 878833  | 20.0 |
| n-Hexadecanoic acid  | 11.91 | 3.0     | ng    | 154900   | 4                     | 11.39 | 1022330 | 20.0 |
| Benzene, 1,1'-(1,... | 12.83 | 2.3     | ng    | 115070   | 5                     | 14.03 | 1014200 | 20.0 |
| Supraene             | 14.87 | 5.4     | ng    | 260547   | 6                     | 15.50 | 961626  | 20.0 |