

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA\_F\DATA\BF110117\  
 Data File : BF100057.D  
 Acq On : 1 Nov 2017 21:12  
 Operator : SJ/JU  
 Sample : I6233-06 5X  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-6(8-10)

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:\HPCHEM1\BNA\_F\METHODS\8270-BF102317.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         | 4.981       | 490           | 492         | 502          | rBV2     | 17413          | 29917         | 5.81%           | 0.531%        |
| 2         | 5.404       | 562           | 564         | 582          | rBV      | 151658         | 264901        | 51.45%          | 4.706%        |
| 3         | 6.428       | 736           | 738         | 756          | rBV      | 204420         | 326500        | 63.41%          | 5.800%        |
| 4         | 6.551       | 756           | 759         | 772          | rVB      | 325222         | 372212        | 72.29%          | 6.612%        |
| 5         | 6.781       | 795           | 798         | 814          | rBB      | 340319         | 343601        | 66.73%          | 6.104%        |
| 6         | 6.934       | 821           | 824         | 842          | rBB      | 288398         | 265074        | 51.48%          | 4.709%        |
| 7         | 7.351       | 893           | 895         | 915          | rBV      | 153590         | 191139        | 37.12%          | 3.395%        |
| 8         | 8.063       | 1013          | 1016        | 1040         | rBV      | 536412         | 473283        | 91.92%          | 8.407%        |
| 9         | 8.628       | 1110          | 1112        | 1119         | rBB3     | 8080           | 9958          | 1.93%           | 0.177%        |
| 10        | 9.139       | 1195          | 1199        | 1209         | rBV      | 591722         | 514895        | 100.00%         | 9.146%        |
| 11        | 9.463       | 1252          | 1254        | 1257         | rBV      | 18069          | 13019         | 2.53%           | 0.231%        |
| 12        | 9.539       | 1264          | 1267        | 1275         | rVB      | 42298          | 36304         | 7.05%           | 0.645%        |
| 13        | 9.822       | 1312          | 1315        | 1320         | rBV2     | 604266         | 505037        | 98.09%          | 8.971%        |
| 14        | 10.539      | 1435          | 1437        | 1443         | rBV      | 39004          | 35779         | 6.95%           | 0.636%        |
| 15        | 10.622      | 1449          | 1451        | 1460         | rBV      | 198170         | 212933        | 41.35%          | 3.782%        |
| 16        | 10.722      | 1465          | 1468        | 1473         | rVB2     | 7746           | 9491          | 1.84%           | 0.169%        |
| 17        | 11.186      | 1541          | 1547        | 1549         | rBV2     | 6820           | 6009          | 1.17%           | 0.107%        |
| 18        | 11.351      | 1571          | 1575        | 1578         | rBV      | 494022         | 436804        | 84.83%          | 7.759%        |
| 19        | 11.374      | 1578          | 1579        | 1585         | rVV      | 41784          | 39319         | 7.64%           | 0.698%        |
| 20        | 11.445      | 1588          | 1591        | 1596         | rVB2     | 5573           | 5999          | 1.17%           | 0.107%        |
| 21        | 12.033      | 1687          | 1691        | 1694         | rBV      | 7235           | 7891          | 1.53%           | 0.140%        |
| 22        | 12.574      | 1780          | 1783        | 1788         | rVB2     | 7104           | 7371          | 1.43%           | 0.131%        |
| 23        | 12.745      | 1808          | 1812        | 1818         | rBV      | 39722          | 46698         | 9.07%           | 0.830%        |
| 24        | 13.027      | 1857          | 1860        | 1866         | rVB      | 33599          | 41585         | 8.08%           | 0.739%        |
| 25        | 13.204      | 1885          | 1890        | 1894         | rBV      | 355378         | 371398        | 72.13%          | 6.597%        |
| 26        | 13.516      | 1939          | 1943        | 1946         | rBV3     | 6407           | 7014          | 1.36%           | 0.125%        |
| 27        | 13.998      | 2021          | 2025        | 2027         | rBV3     | 7380           | 8744          | 1.70%           | 0.155%        |
| 28        | 14.486      | 2104          | 2108        | 2114         | rVB3     | 14984          | 22247         | 4.32%           | 0.395%        |
| 29        | 14.680      | 2133          | 2141        | 2146         | rBV      | 303337         | 394971        | 76.71%          | 7.016%        |
| 30        | 14.727      | 2146          | 2149        | 2153         | rVB2     | 12888          | 18025         | 3.50%           | 0.320%        |
| 31        | 14.986      | 2189          | 2193        | 2197         | rBV3     | 8944           | 11491         | 2.23%           | 0.204%        |
| 32        | 15.486      | 2275          | 2278        | 2282         | rBV4     | 16391          | 20463         | 3.97%           | 0.363%        |
| 33        | 15.998      | 2362          | 2365        | 2370         | rVB4     | 11128          | 15881         | 3.08%           | 0.282%        |
| 34        | 16.333      | 2418          | 2422        | 2428         | rBV3     | 15851          | 32833         | 6.38%           | 0.583%        |

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Sample : I6233-06 5X  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-6(8-10)

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:\HPCHEM1\BNA\_F\METHODS\8270-BF102317.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 35 | 16.474 | 2443 | 2446 | 2447 | rBV2 | 5593   | 6308   | 1.23%  | 0.112% |
| 36 | 16.527 | 2452 | 2455 | 2460 | rVB3 | 18816  | 31956  | 6.21%  | 0.568% |
| 37 | 16.845 | 2506 | 2509 | 2513 | rBV2 | 12632  | 14731  | 2.86%  | 0.262% |
| 38 | 16.915 | 2516 | 2521 | 2533 | rVB2 | 226820 | 354081 | 68.77% | 6.290% |
| 39 | 17.056 | 2541 | 2545 | 2553 | rVB3 | 23515  | 41093  | 7.98%  | 0.730% |
| 40 | 17.598 | 2633 | 2637 | 2640 | rBV2 | 20084  | 27892  | 5.42%  | 0.495% |
| 41 | 18.792 | 2834 | 2840 | 2848 | rVB9 | 20427  | 54686  | 10.62% | 0.971% |

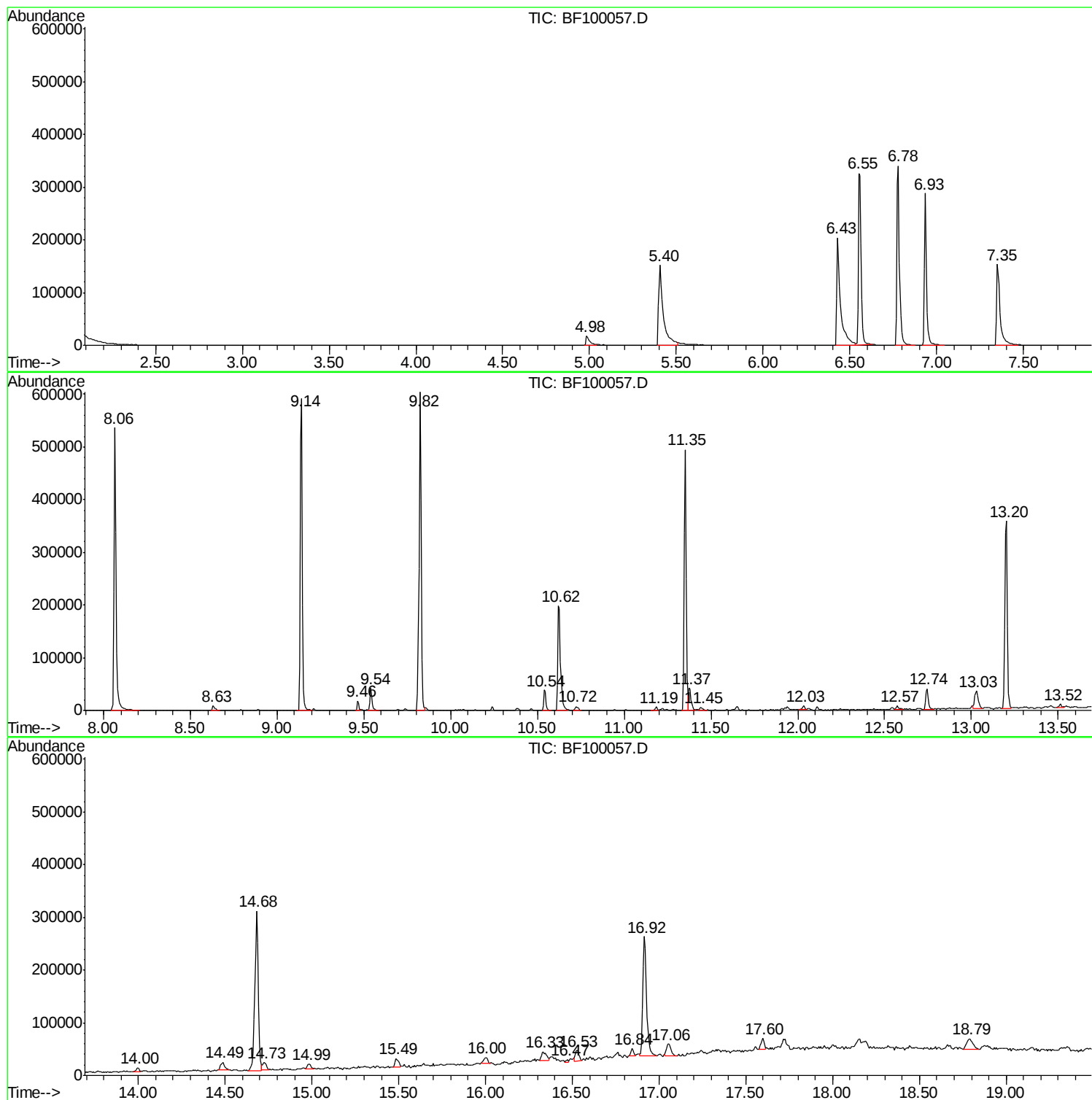
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ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-6(8-10)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF102317.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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Operator : SJ/JU  
Sample : I6233-06 5X  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-6(8-10)

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

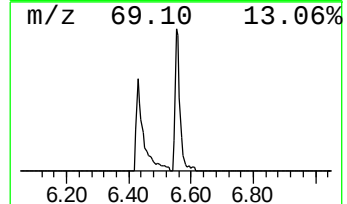
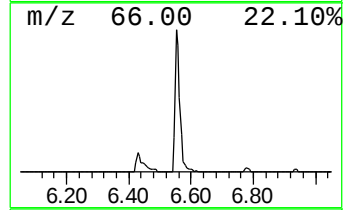
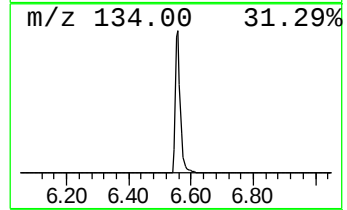
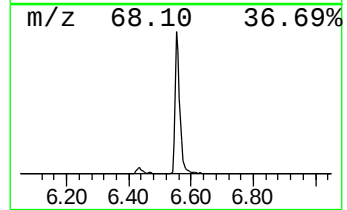
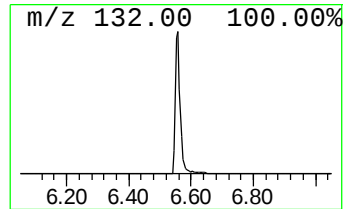
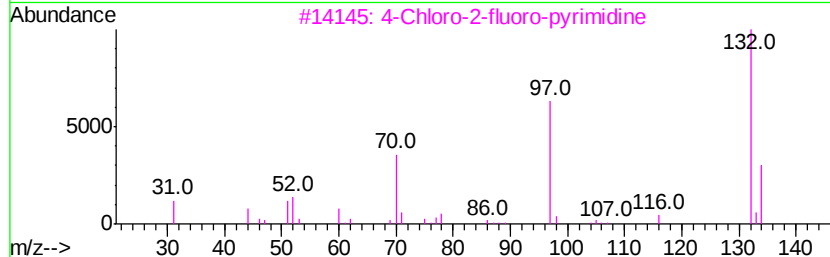
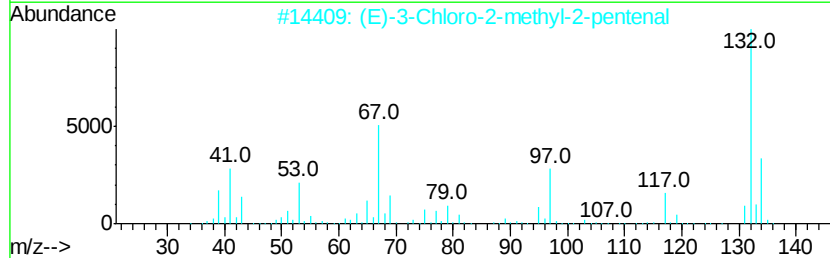
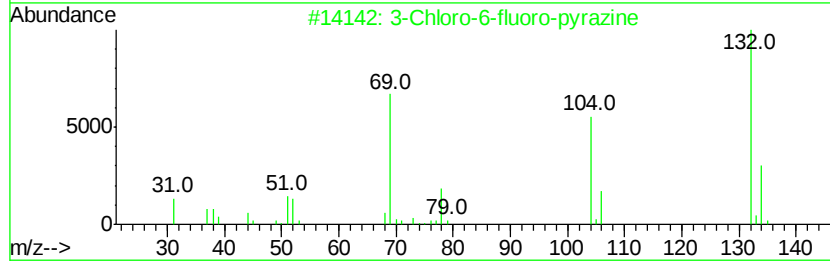
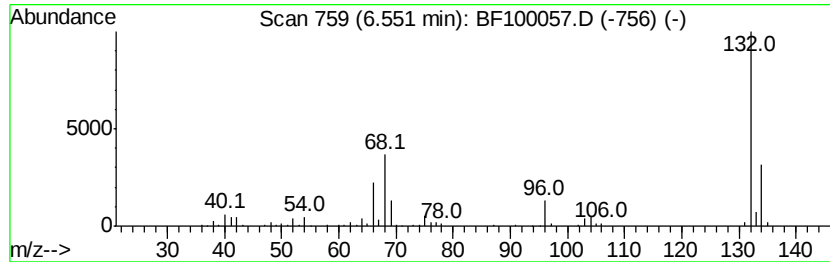
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 unknown6.55 Concentration Rank 1

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 6.55 | 21.67 ng | 372212 | 1,4-Dichlorobenzene-d4 | 6.78 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 35   |
| 2    |    | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO   | 031357-76-3  | 25   |
| 3    |    | 4-Chloro-2-fluoro-pyrimidine     | 132 | C4H2ClFN2 | 051422-00-5  | 9    |
| 4    |    | 5-Fluoro-2-chloropyrimidine      | 132 | C4H2ClFN2 | 062802-42-0  | 9    |
| 5    |    | Imidazole, 4,5-dicyano-1-methyl- | 132 | C6H4N4    | 019485-35-9  | 9    |



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ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-6(8-10)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF102317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

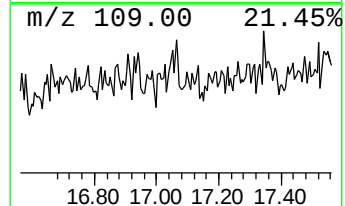
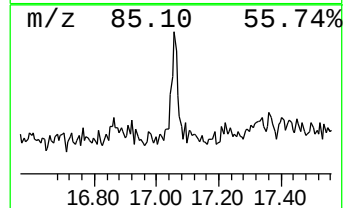
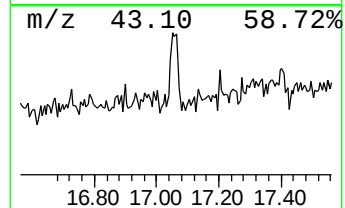
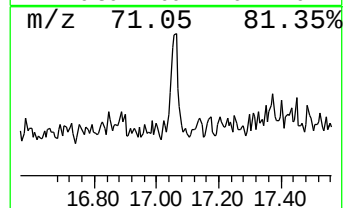
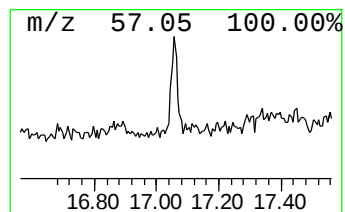
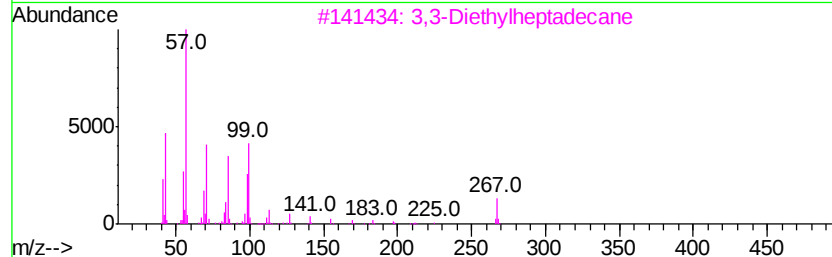
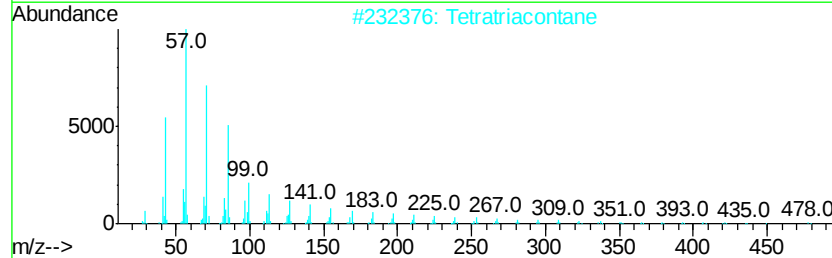
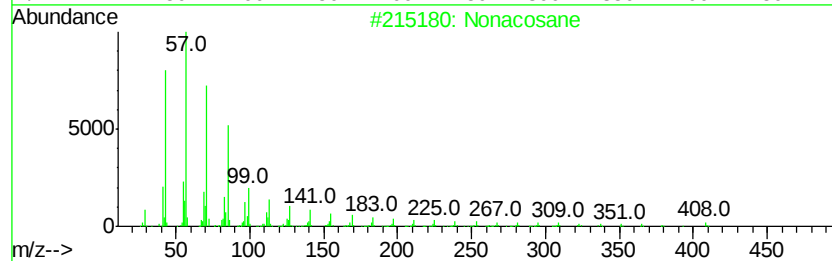
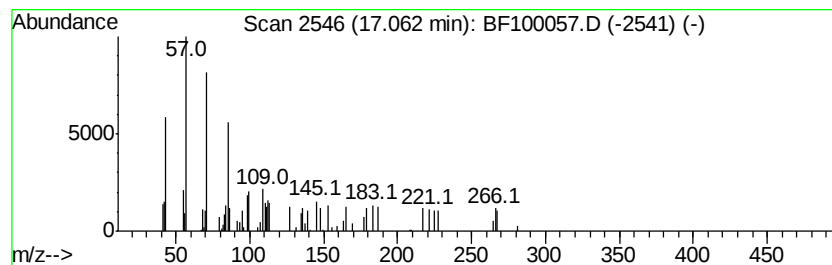
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 unknown17.06 Concentration Rank 4

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 17.06 | 2.32 ng | 41093 | Perylene-d12     | 16.92 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Nonacosane                          | 408 | C29H60    | 000630-03-5  | 43   |
| 2    |    | Tetratriacontane                    | 479 | C34H70    | 014167-59-0  | 38   |
| 3    |    | 3,3-Diethylheptadecane              | 296 | C21H44    | 1000360-41-6 | 38   |
| 4    |    | Undecane, 2,9-dimethyl-             | 184 | C13H28    | 017301-26-7  | 38   |
| 5    |    | Sulfurous acid, 2-ethylhexyl hex... | 278 | C14H30O3S | 1000309-20-2 | 38   |



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Instrument :  
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SB-6(8-10)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF102317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

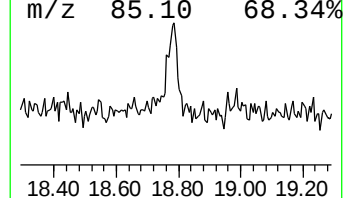
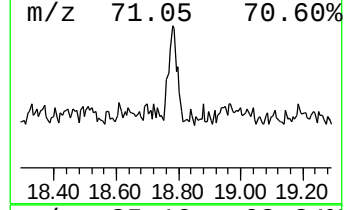
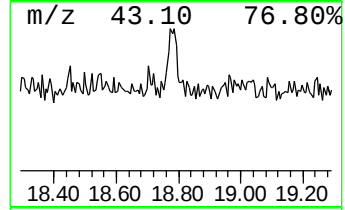
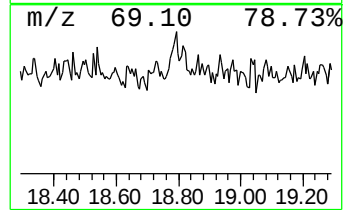
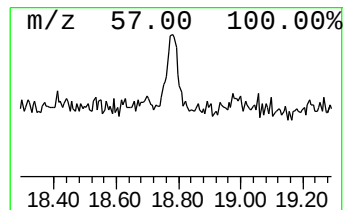
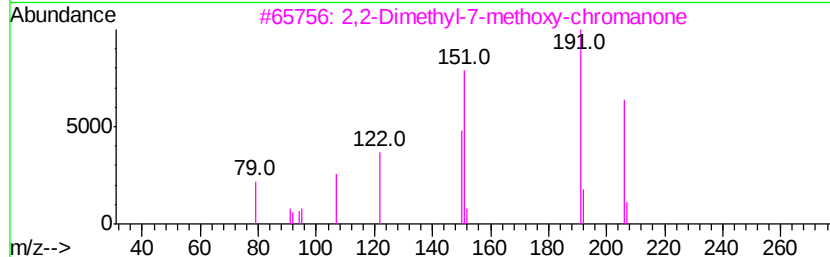
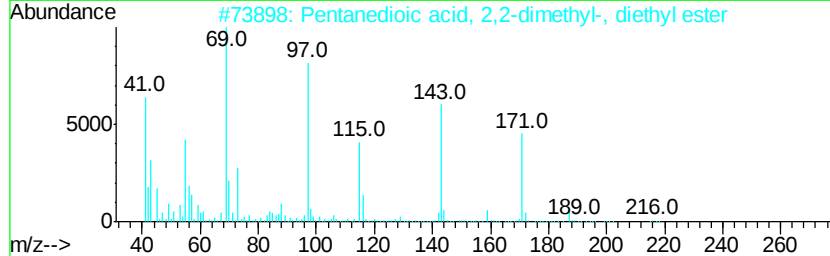
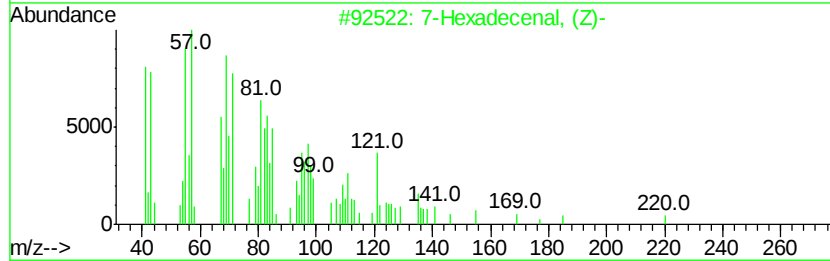
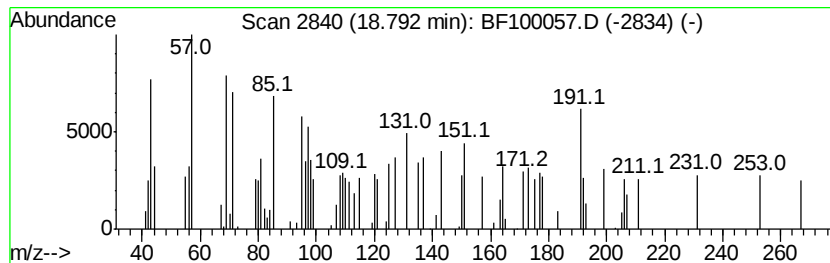
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 unknown18.79 Concentration Rank 3

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 18.79 | 3.09 ng | 54686 | Perylene-d12     | 16.92 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|-------------------------------------|-----|------------|--------------|------|
| 1    | 5  | 7-Hexadecenal, (Z)-                 | 238 | C16H30O    | 056797-40-1  | 27   |
| 2    |    | Pentanedioic acid, 2,2-dimethyl-... | 216 | C11H20O4   | 078092-07-6  | 16   |
| 3    |    | 2,2-Dimethyl-7-methoxy-chromanone   | 206 | C12H14O3   | 020321-73-7  | 14   |
| 4    |    | 2-Thiopheneacetic acid, 2-ethylc... | 252 | C14H20O2S  | 1000278-96-1 | 14   |
| 5    |    | Acetic acid, chloro-, hexadecyl ... | 318 | C18H35ClO2 | 052132-58-8  | 12   |



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SB-6(8-10)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF102317.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 |
| unknown6.55      | 6.55  | 21.7    | ng    | 372212   | 1                     | 6.78  | 343601 | 20.0 |
| unknown17.06     | 17.06 | 2.3     | ng    | 41093    | 6                     | 16.92 | 354081 | 20.0 |
| unknown18.79     | 18.79 | 3.1     | ng    | 54686    | 6                     | 16.92 | 354081 | 20.0 |