

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082418\  
 Data File : BF108473.D  
 Acq On : 24 Aug 2018 19:47  
 Operator : JU/SJ  
 Sample : J4581-09  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EP1-Q3-C1

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-BF080818.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|--------|----------|------------|----------|-----------|-------|-------------|------------|--------------|------------|
| 1      | 2.372    | 3          | 6        | 16        | rVB   | 964779      | 1240819    | 38.46%       | 4.106%     |
| 2      | 5.249    | 491        | 495      | 505       | rVB   | 105615      | 138233     | 4.28%        | 0.457%     |
| 3      | 5.631    | 555        | 560      | 563       | rBV   | 2989971     | 2784122    | 86.29%       | 9.212%     |
| 4      | 6.625    | 723        | 729      | 743       | rBV   | 2788746     | 3145822    | 97.50%       | 10.409%    |
| 5      | 6.772    | 749        | 754      | 757       | rBV   | 3142662     | 3035634    | 94.08%       | 10.044%    |
| 6      | 6.995    | 789        | 792      | 796       | rBV   | 878001      | 780466     | 24.19%       | 2.582%     |
| 7      | 7.154    | 815        | 819      | 823       | rBV   | 2296978     | 1996343    | 61.87%       | 6.605%     |
| 8      | 7.560    | 883        | 888      | 891       | rBV   | 1997838     | 1972085    | 61.12%       | 6.525%     |
| 9      | 8.284    | 1006       | 1011     | 1014      | rBV   | 1077250     | 978905     | 30.34%       | 3.239%     |
| 10     | 9.354    | 1188       | 1193     | 1196      | rBV   | 3593444     | 3226526    | 100.00%      | 10.676%    |
| 11     | 9.742    | 1256       | 1259     | 1265      | rBV   | 310563      | 289701     | 8.98%        | 0.959%     |
| 12     | 10.042   | 1306       | 1310     | 1318      | rVB   | 1353064     | 1168348    | 36.21%       | 3.866%     |
| 13     | 10.836   | 1441       | 1445     | 1458      | rBV   | 2499937     | 2325657    | 72.08%       | 7.695%     |
| 14     | 11.536   | 1560       | 1564     | 1567      | rBV   | 1306739     | 1157094    | 35.86%       | 3.829%     |
| 15     | 11.560   | 1567       | 1568     | 1572      | rVB   | 83953       | 53250      | 1.65%        | 0.176%     |
| 16     | 12.042   | 1646       | 1650     | 1652      | rBV   | 91244       | 80859      | 2.51%        | 0.268%     |
| 17     | 12.754   | 1768       | 1771     | 1775      | rBV   | 164520      | 138646     | 4.30%        | 0.459%     |
| 18     | 12.989   | 1804       | 1811     | 1816      | rVB   | 152659      | 170479     | 5.28%        | 0.564%     |
| 19     | 13.124   | 1829       | 1834     | 1837      | rBV   | 3372817     | 2982400    | 92.43%       | 9.868%     |
| 20     | 13.313   | 1860       | 1866     | 1868      | rBV   | 23551       | 34561      | 1.07%        | 0.114%     |
| 21     | 14.001   | 1979       | 1983     | 1987      | rVB3  | 43812       | 41391      | 1.28%        | 0.137%     |
| 22     | 14.071   | 1987       | 1995     | 2005      | rBV9  | 35069       | 118290     | 3.67%        | 0.391%     |
| 23     | 14.189   | 2010       | 2015     | 2018      | rVV   | 817396      | 784617     | 24.32%       | 2.596%     |
| 24     | 14.213   | 2018       | 2019     | 2023      | rVB   | 61189       | 43606      | 1.35%        | 0.144%     |
| 25     | 14.624   | 2086       | 2089     | 2093      | rVB   | 44267       | 42821      | 1.33%        | 0.142%     |
| 26     | 14.942   | 2139       | 2143     | 2150      | rVB2  | 96511       | 136830     | 4.24%        | 0.453%     |
| 27     | 15.030   | 2154       | 2158     | 2164      | rVB   | 116961      | 125959     | 3.90%        | 0.417%     |
| 28     | 15.271   | 2196       | 2199     | 2202      | rBV   | 49781       | 69090      | 2.14%        | 0.229%     |
| 29     | 15.307   | 2202       | 2205     | 2211      | rVB3  | 64623       | 89062      | 2.76%        | 0.295%     |
| 30     | 15.607   | 2252       | 2256     | 2260      | rVB   | 33013       | 40184      | 1.25%        | 0.133%     |
| 31     | 15.671   | 2263       | 2267     | 2271      | rBV   | 48246       | 61072      | 1.89%        | 0.202%     |
| 32     | 15.742   | 2271       | 2279     | 2288      | rVV   | 555630      | 777959     | 24.11%       | 2.574%     |
| 33     | 16.189   | 2352       | 2355     | 2362      | rVB   | 60465       | 97015      | 3.01%        | 0.321%     |
| 34     | 16.742   | 2445       | 2449     | 2456      | rVB2  | 31578       | 54475      | 1.69%        | 0.180%     |

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Sample : J4581-09  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EP1-Q3-C1

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\_F\METHODS\8270-BF080818.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |       |       |       |        |
|----|--------|------|------|------|------|-------|-------|-------|--------|
| 35 | 17.348 | 2547 | 2552 | 2556 | rBV2 | 18278 | 40228 | 1.25% | 0.133% |
|----|--------|------|------|------|------|-------|-------|-------|--------|

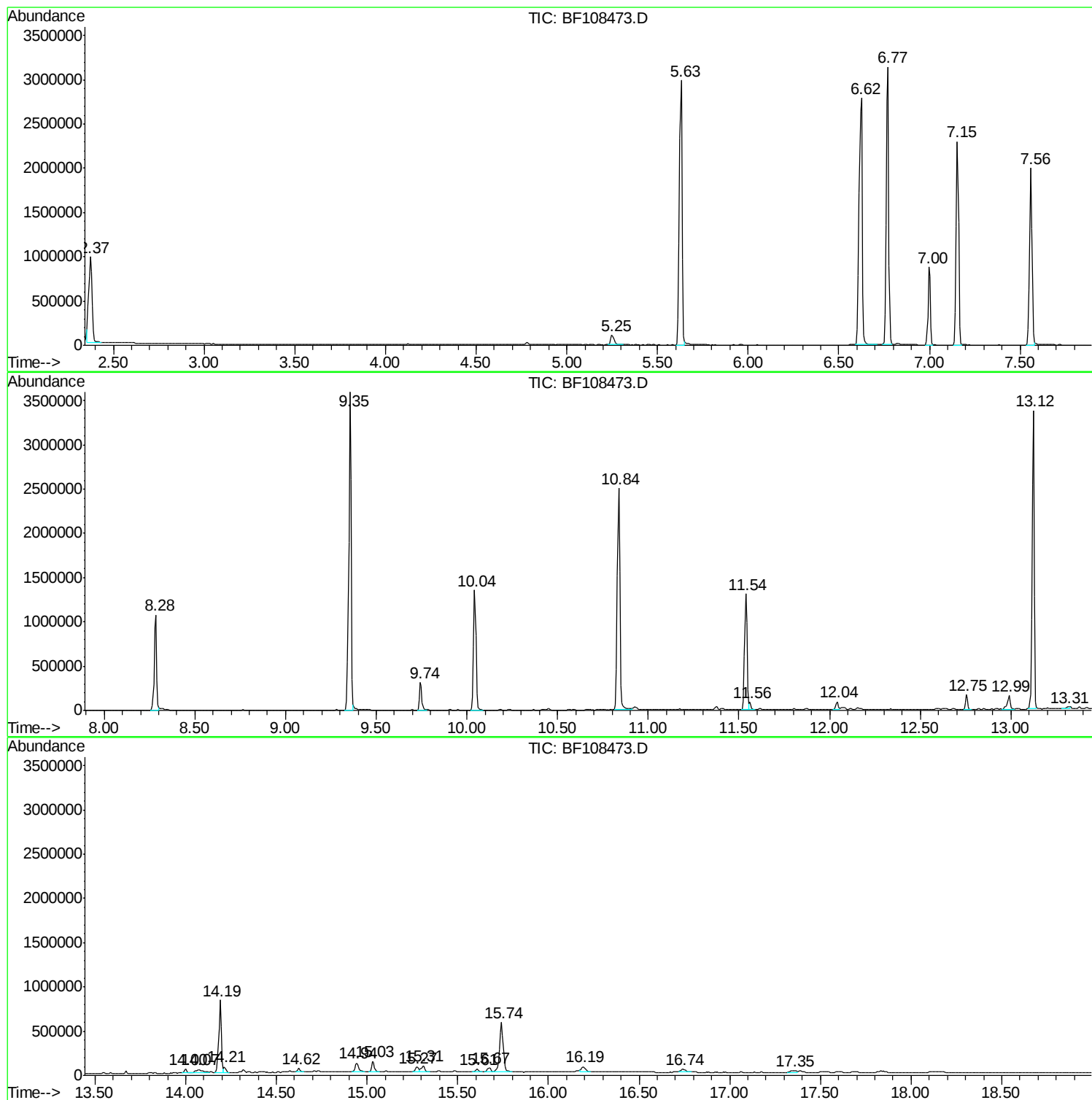
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BNA\_F  
ClientSampled :  
EP1-Q3-C1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.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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Misc :  
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Instrument :  
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ClientSampleId :  
EP1-Q3-C1

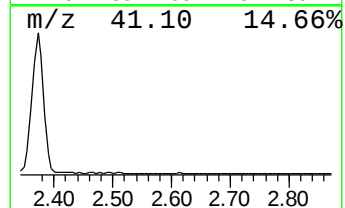
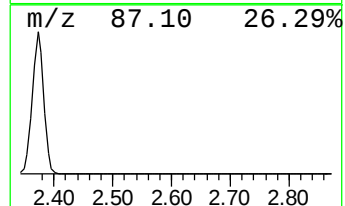
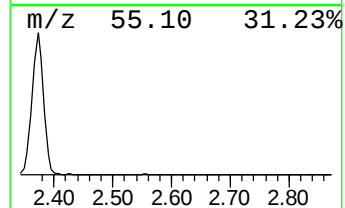
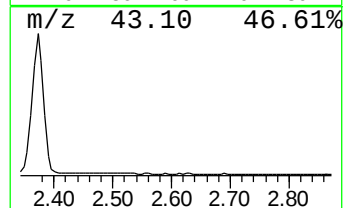
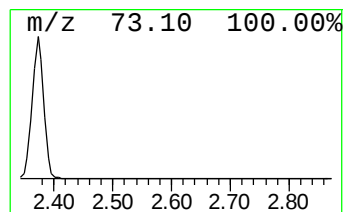
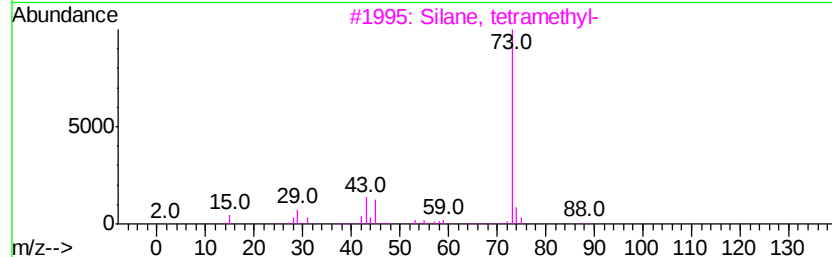
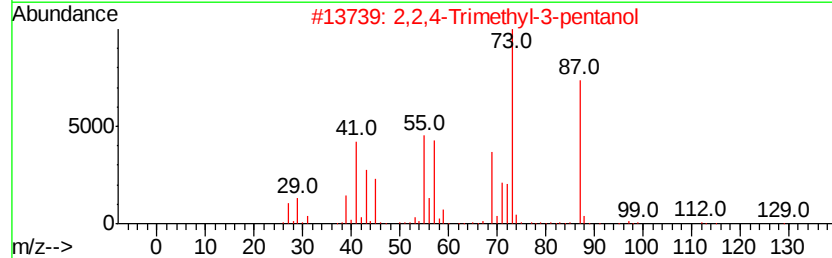
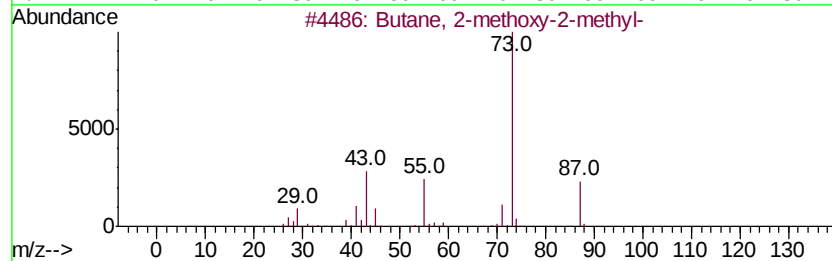
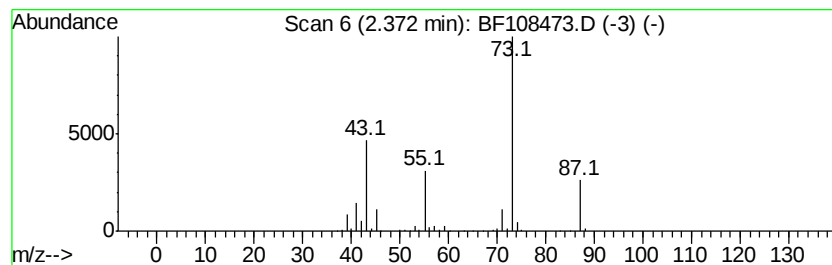
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 2.37 | 31.80 ng | 1240820 | 1,4-Dichlorobenzene-d4 | 7.00 |

| 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 | 40   |
| 3    |    | Silane, tetramethyl-        | 88  | C4H12Si | 000075-76-3 | 38   |
| 4    |    | 1,3-Dioxolane, 2-methyl-    | 88  | C4H8O2  | 000497-26-7 | 23   |
| 5    |    | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 12   |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

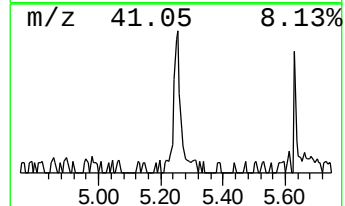
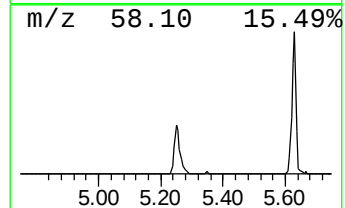
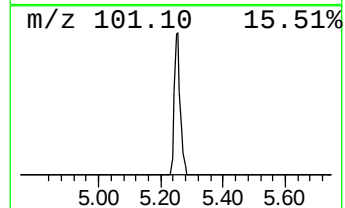
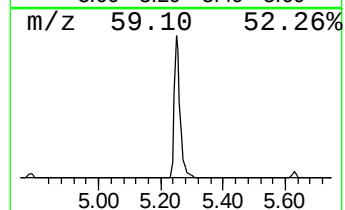
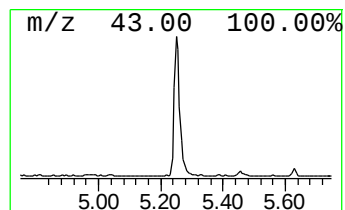
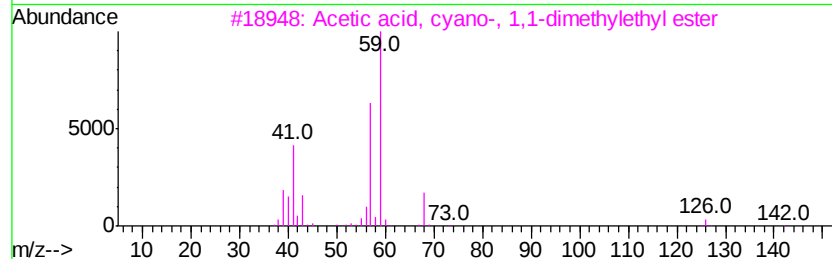
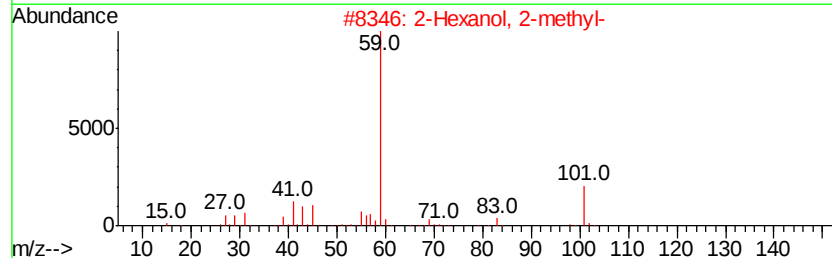
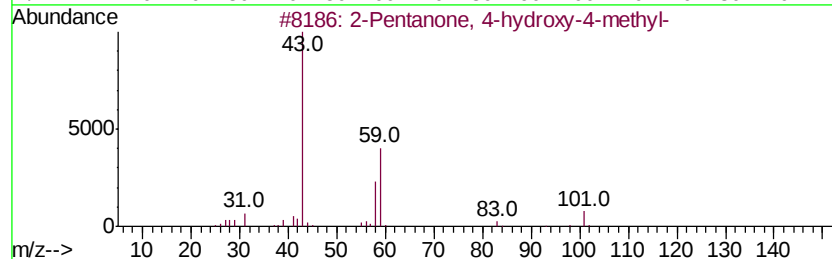
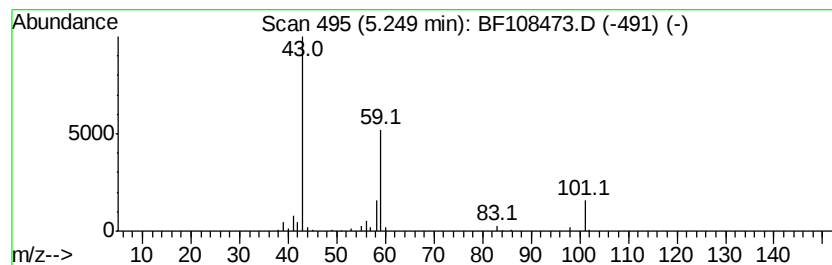
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 5.25 | 3.54 ng | 138233 | 1,4-Dichlorobenzene-d4 | 7.00 |

| Hit# | of | 5 | Tentative ID                         | MW  | MolForm  | CAS#        | Qual |
|------|----|---|--------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-     | 116 | C6H12O2  | 000123-42-2 | 50   |
| 2    |    |   | 2-Hexanol, 2-methyl-                 | 116 | C7H16O   | 000625-23-0 | 38   |
| 3    |    |   | Acetic acid, cyano-, 1,1-dimethyl... | 141 | C7H11NO2 | 001116-98-9 | 25   |
| 4    |    |   | 2,3-Butanedione, monooxime           | 101 | C4H7NO2  | 000057-71-6 | 10   |
| 5    |    |   | 4-Penten-2-one, 4-methyl-            | 98  | C6H10O   | 003744-02-3 | 9    |



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Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EP1-Q3-C1

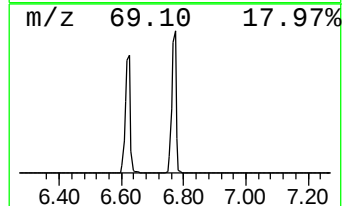
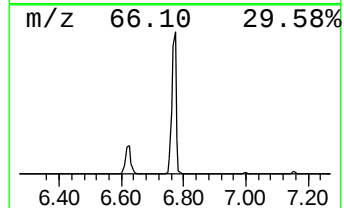
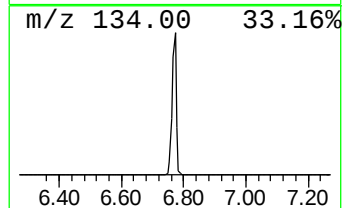
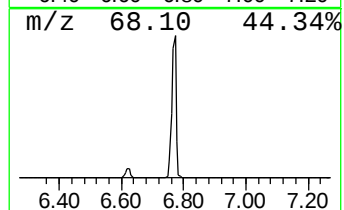
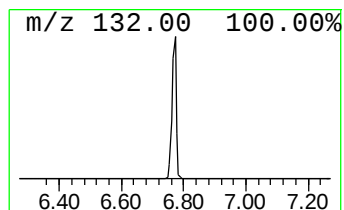
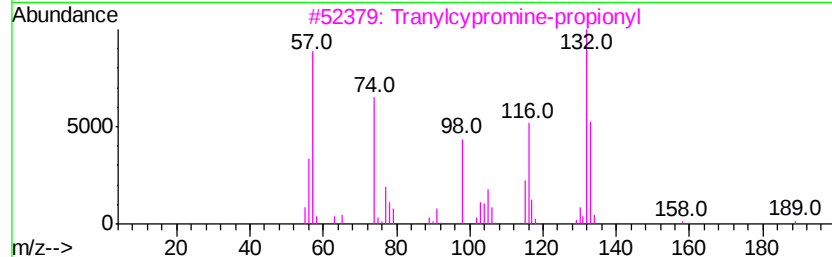
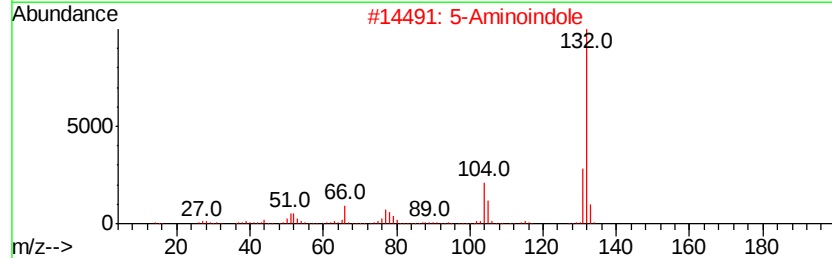
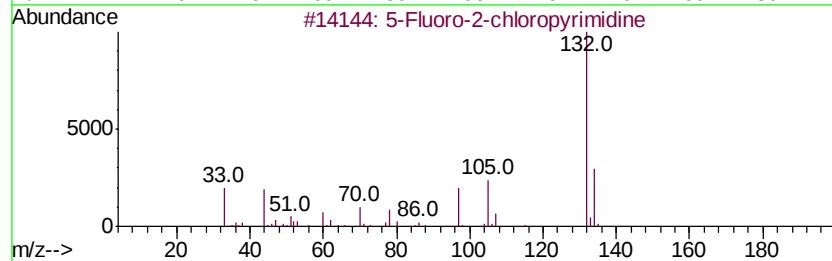
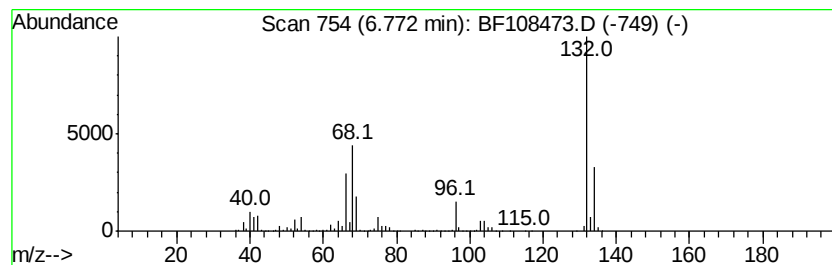
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 3 unknown6.77 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.77 | 77.79 ng | 3035630 | 1,4-Dichlorobenzene-d4 | 7.00 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 5-Fluoro-2-chloropyrimidine         | 132 | C4H2ClFN2 | 062802-42-0  | 16   |
| 2    |    | 5-Aminoindole                       | 132 | C8H8N2    | 005192-03-0  | 10   |
| 3    |    | Tranvlcyproline-propionyl           | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 4    |    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12    | 028749-81-7  | 9    |
| 5    |    | Xenon                               | 132 | Xe        | 007440-63-3  | 9    |



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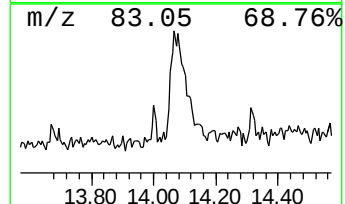
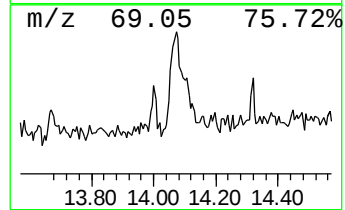
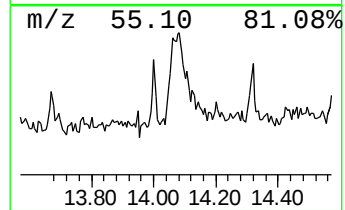
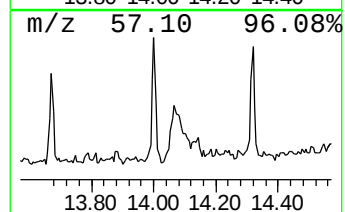
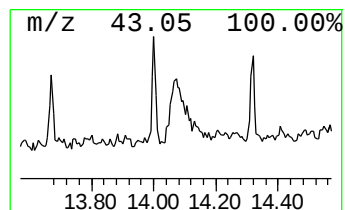
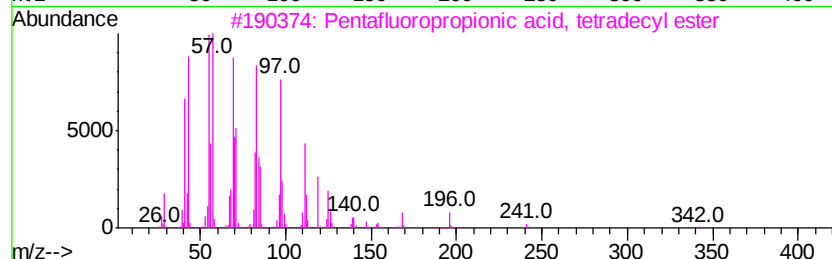
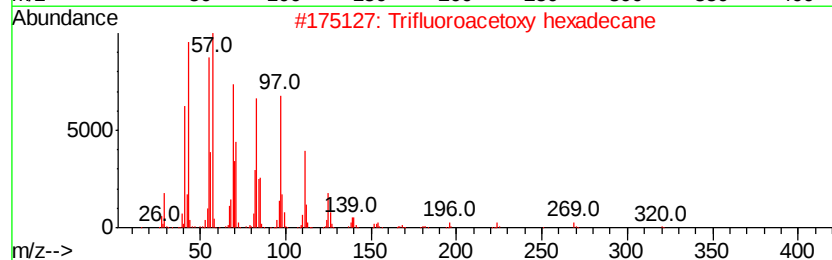
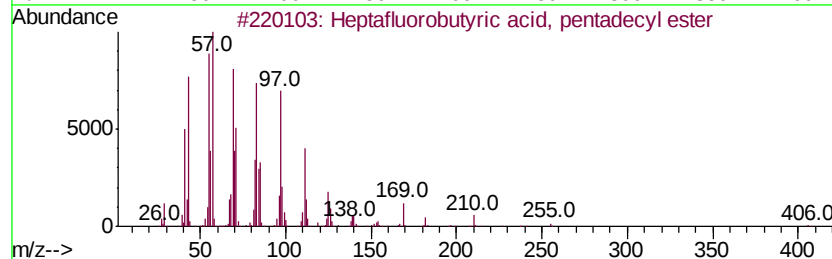
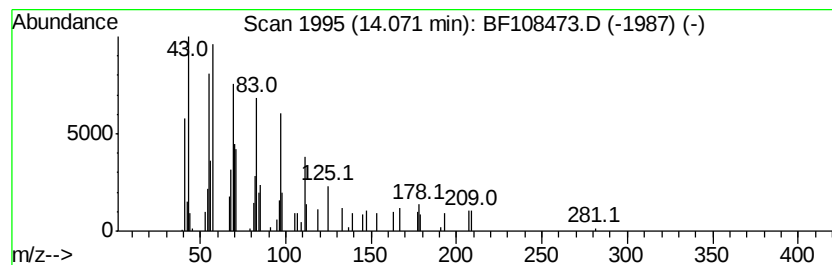
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 Heptafluorobutyric acid, pe... Concentration Rank 7

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 14.07 | 3.02 ng | 118290 | Chrysene-d12     | 14.19 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|------|----|-------------------------------------|-----|------------|-------------|------|
| 1    | 5  | Heptafluorobutyric acid, pentade... | 424 | C19H31F7O2 | 959261-23-5 | 90   |
| 2    |    | Trifluoroacetoxy hexadecane         | 338 | C18H33F3O2 | 006222-03-3 | 90   |
| 3    |    | Pentafluoropropionic acid, tetra... | 360 | C17H29F5O2 | 006222-06-6 | 87   |
| 4    |    | Trifluoroacetic acid, pentadecyl... | 324 | C17H31F3O2 | 959010-23-2 | 87   |
| 5    |    | 3-Eicosene, (E)-                    | 280 | C20H40     | 074685-33-9 | 83   |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

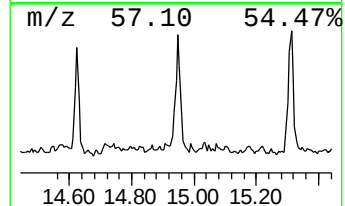
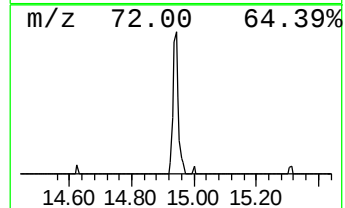
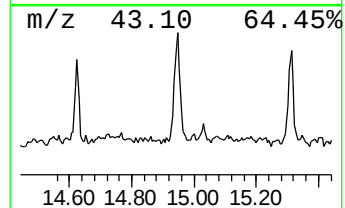
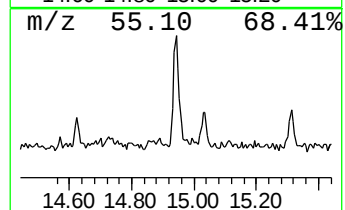
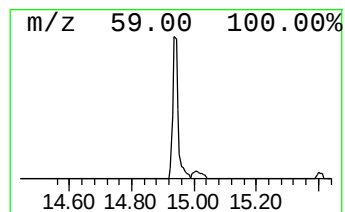
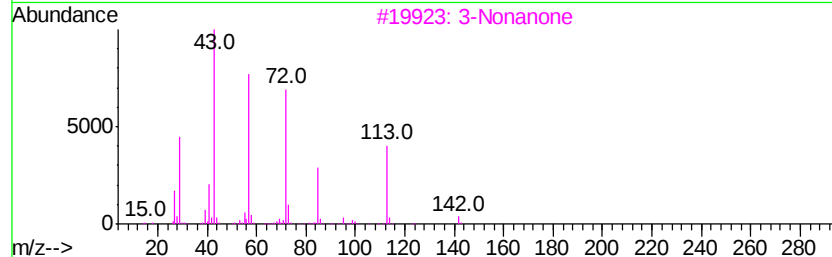
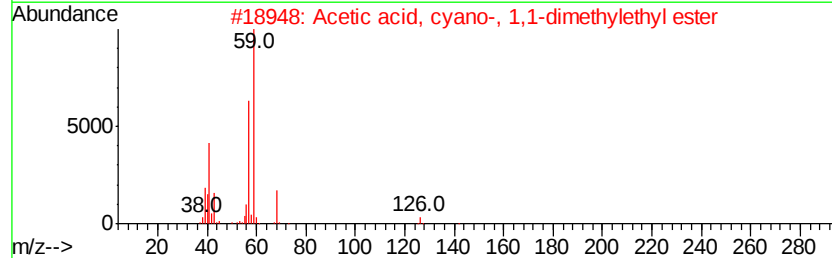
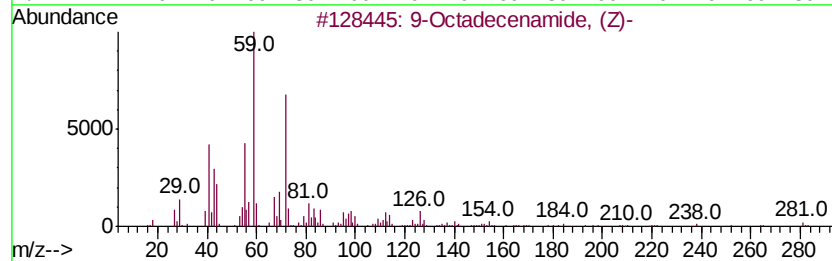
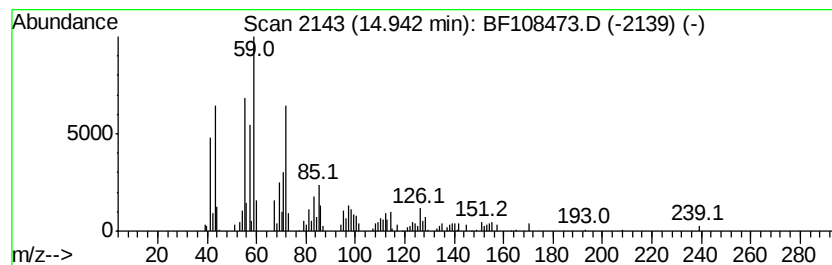
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 9-Octadecenamide, (Z)- Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 14.94 | 3.49 ng | 136830 | Chrysene-d12     | 14.19 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|---------|---|-------------------------------------|-----|----------|-------------|------|
| 1       |   | 9-Octadecenamide, (Z)-              | 281 | C18H35NO | 000301-02-0 | 83   |
| 2       |   | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 27   |
| 3       |   | 3-Nonanone                          | 142 | C9H18O   | 000925-78-0 | 18   |
| 4       |   | 2-Hexen-1-ol, 2-ethyl-              | 128 | C8H16O   | 050639-00-4 | 15   |
| 5       |   | Pentane, 1-(2-butenyloxy)-, (E)-    | 142 | C9H18O   | 054004-26-1 | 15   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082418\  
Data File : BF108473.D  
Acq On : 24 Aug 2018 19:47  
Operator : JU/SJ  
Sample : J4581-09  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EP1-Q3-C1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

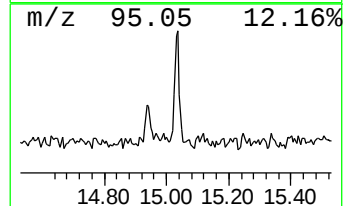
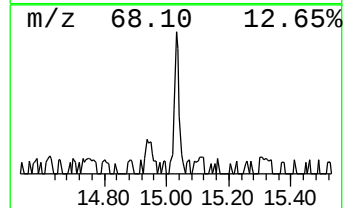
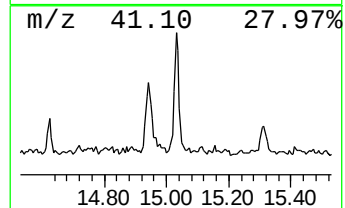
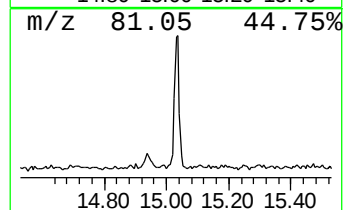
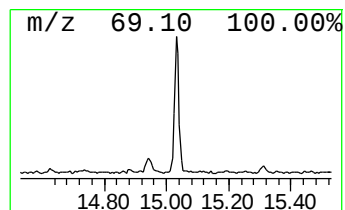
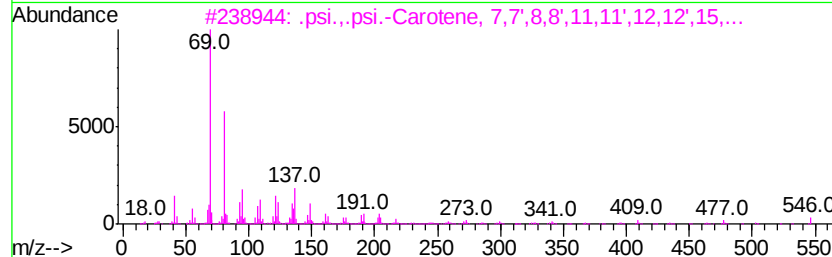
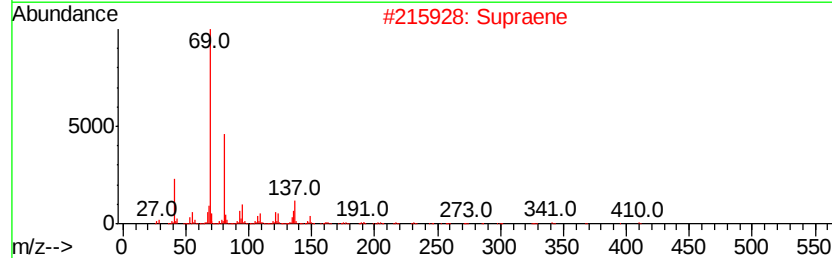
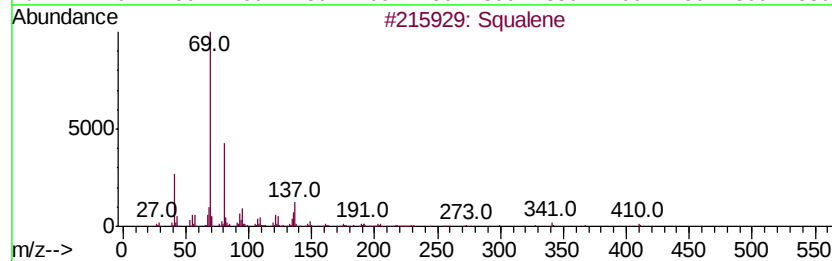
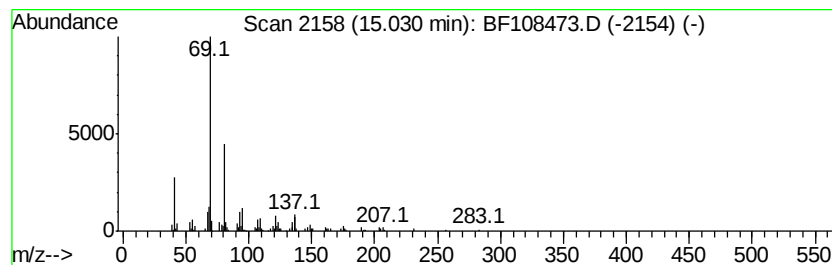
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Squalene Concentration Rank 6

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 15.03 | 3.24 ng | 125959 | Perylene-d12     | 15.74 |

| Hit# | of | Tentative ID                         | MW  | MolForm  | CAS#         | Qual |
|------|----|--------------------------------------|-----|----------|--------------|------|
| 1    | 5  | Squalene                             | 410 | C30H50   | 000111-02-4  | 91   |
| 2    |    | Supraene                             | 410 | C30H50   | 007683-64-9  | 91   |
| 3    |    | .psi.,.psi.-Carotene, 7,7',8,8',.... | 547 | C40H66   | 000502-62-5  | 83   |
| 4    |    | 7,11-Dimethyldodeca-2,6,10-trien...  | 208 | C14H24O  | 125529-10-4  | 80   |
| 5    |    | Cyclopropanecarboxylic acid, tr...   | 264 | C17H28O2 | 1000299-38-2 | 53   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082418\  
Data File : BF108473.D  
Acq On : 24 Aug 2018 19:47  
Operator : JU/SJ  
Sample : J4581-09  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EP1-Q3-C1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

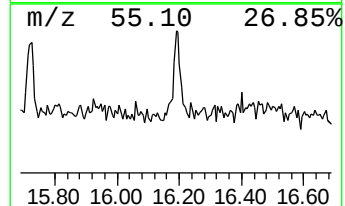
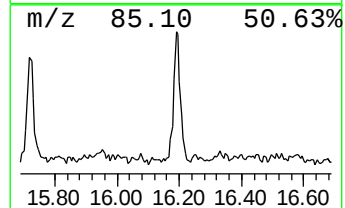
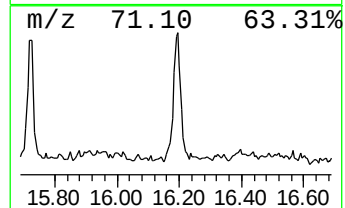
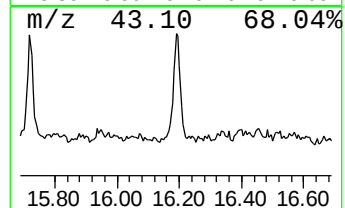
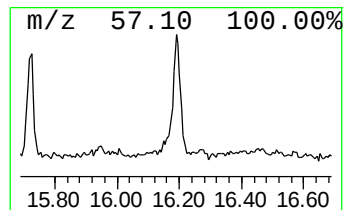
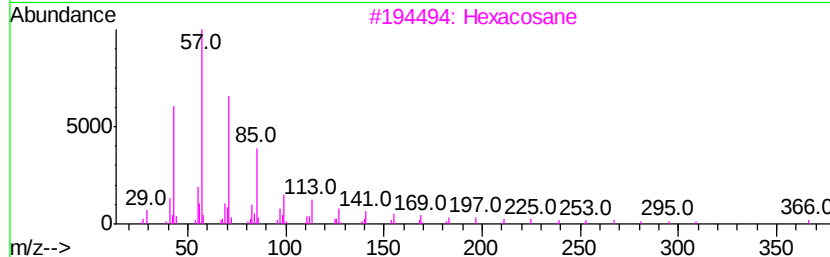
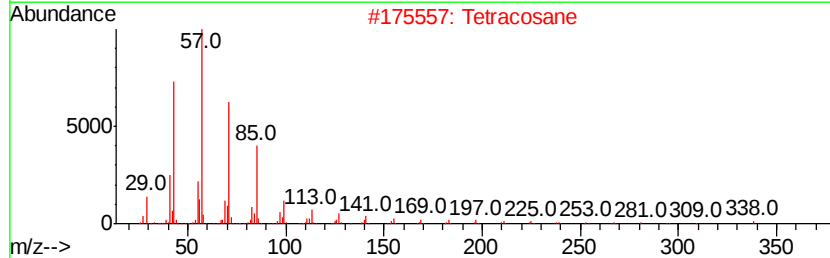
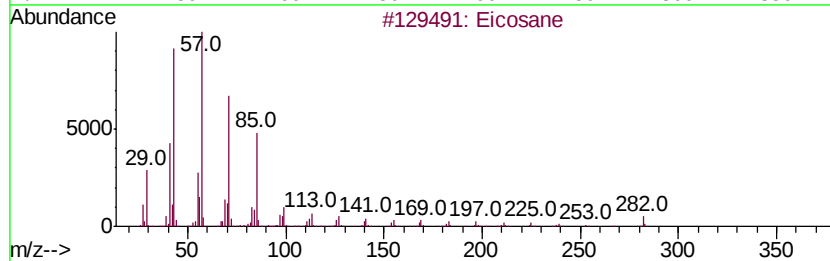
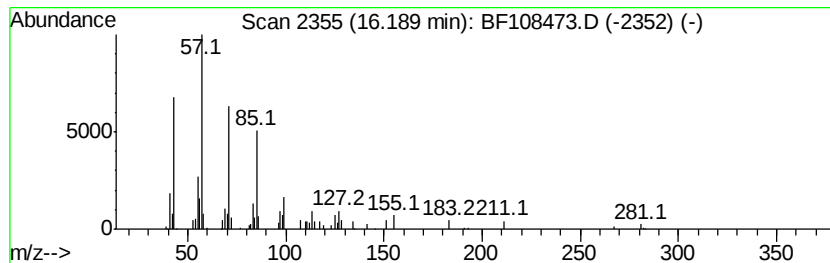
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 Eicosane Concentration Rank 8

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 16.19 | 2.49 ng | 97015 | Perylene-d12     | 15.74 |

| Hit# of | 5           | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|-------------|--------------|-----|---------|-------------|------|
| 1       | Eicosane    |              | 282 | C20H42  | 000112-95-8 | 90   |
| 2       | Tetracosane |              | 338 | C24H50  | 000646-31-1 | 90   |
| 3       | Hexacosane  |              | 366 | C26H54  | 000630-01-3 | 87   |
| 4       | Heneicosane |              | 296 | C21H44  | 000629-94-7 | 87   |
| 5       | Octadecane  |              | 254 | C18H38  | 000593-45-3 | 86   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF082418\  
Data File : BF108473.D  
Acq On : 24 Aug 2018 19:47  
Operator : JU/SJ  
Sample : J4581-09  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EP1-Q3-C1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF080818.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... | 2.37  | 31.8    | ng    | 1240820  | 1                     | 7.00  | 780466 | 20.0 |
| 2-Pentanone, 4-hy... | 5.25  | 3.5     | ng    | 138233   | 1                     | 7.00  | 780466 | 20.0 |
| unknown6.77          | 6.77  | 77.8    | ng    | 3035630  | 1                     | 7.00  | 780466 | 20.0 |
| Heptafluorobutyri... | 14.07 | 3.0     | ng    | 118290   | 5                     | 14.19 | 784617 | 20.0 |
| 9-Octadecenamide,... | 14.94 | 3.5     | ng    | 136830   | 5                     | 14.19 | 784617 | 20.0 |
| Squalene             | 15.03 | 3.2     | ng    | 125959   | 6                     | 15.74 | 777959 | 20.0 |
| Eicosane             | 16.19 | 2.5     | ng    | 97015    | 6                     | 15.74 | 777959 | 20.0 |