

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120918\  
 Data File : BF111240.D  
 Acq On : 10 Dec 2018 14:12  
 Operator : JU/SJ  
 Sample : J6243-03 20X  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OILY-WATER-A

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-BF120818.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         | 5.404       | 561           | 564         | 570          | rBV      | 371263         | 345832        | 4.94%           | 0.641%        |
| 2         | 6.416       | 733           | 736         | 743          | rBV      | 233528         | 228504        | 3.27%           | 0.423%        |
| 3         | 6.563       | 757           | 761         | 767          | rBV      | 838894         | 734437        | 10.50%          | 1.361%        |
| 4         | 6.798       | 797           | 801         | 805          | rBV      | 4043588        | 3361490       | 48.06%          | 6.230%        |
| 5         | 6.951       | 820           | 827         | 831          | rBV      | 787560         | 741017        | 10.60%          | 1.373%        |
| 6         | 7.351       | 889           | 895         | 901          | rBV      | 654171         | 589616        | 8.43%           | 1.093%        |
| 7         | 7.486       | 912           | 918         | 922          | rBV      | 490101         | 391975        | 5.60%           | 0.726%        |
| 8         | 8.081       | 1014          | 1019        | 1022         | rBV      | 5331821        | 4497726       | 64.31%          | 8.335%        |
| 9         | 9.157       | 1198          | 1202        | 1205         | rVB      | 1359522        | 1063015       | 15.20%          | 1.970%        |
| 10        | 9.245       | 1214          | 1217        | 1220         | rBV3     | 78513          | 114593        | 1.64%           | 0.212%        |
| 11        | 9.416       | 1244          | 1246        | 1248         | rBV      | 131816         | 89847         | 1.28%           | 0.167%        |
| 12        | 9.569       | 1267          | 1272        | 1274         | rBV2     | 414097         | 485398        | 6.94%           | 0.900%        |
| 13        | 9.592       | 1274          | 1276        | 1280         | rVB      | 206239         | 197589        | 2.83%           | 0.366%        |
| 14        | 9.716       | 1292          | 1297        | 1299         | rBV2     | 239130         | 269758        | 3.86%           | 0.500%        |
| 15        | 9.751       | 1301          | 1303        | 1306         | rVV2     | 206307         | 186288        | 2.66%           | 0.345%        |
| 16        | 9.780       | 1306          | 1308        | 1312         | rBV4     | 103616         | 154940        | 2.22%           | 0.287%        |
| 17        | 9.833       | 1312          | 1317        | 1321         | rBV      | 5233675        | 5171117       | 73.94%          | 9.583%        |
| 18        | 9.886       | 1323          | 1326        | 1329         | rBV4     | 160014         | 215169        | 3.08%           | 0.399%        |
| 19        | 10.004      | 1341          | 1346        | 1350         | rBV6     | 259455         | 508333        | 7.27%           | 0.942%        |
| 20        | 10.039      | 1350          | 1352        | 1355         | rVV      | 325346         | 299602        | 4.28%           | 0.555%        |
| 21        | 10.104      | 1360          | 1363        | 1366         | rBV2     | 724586         | 693152        | 9.91%           | 1.285%        |
| 22        | 10.216      | 1379          | 1382        | 1386         | rBV3     | 395314         | 608120        | 8.69%           | 1.127%        |
| 23        | 10.251      | 1386          | 1388        | 1392         | rBV2     | 499014         | 702651        | 10.05%          | 1.302%        |
| 24        | 10.304      | 1395          | 1397        | 1400         | rBV3     | 264112         | 320123        | 4.58%           | 0.593%        |
| 25        | 10.374      | 1407          | 1409        | 1411         | rBV2     | 275495         | 299967        | 4.29%           | 0.556%        |
| 26        | 10.398      | 1411          | 1413        | 1417         | rVB4     | 369217         | 440242        | 6.29%           | 0.816%        |
| 27        | 10.504      | 1426          | 1431        | 1434         | rBV      | 2817731        | 3168222       | 45.30%          | 5.871%        |
| 28        | 10.551      | 1437          | 1439        | 1443         | rVB4     | 470927         | 428886        | 6.13%           | 0.795%        |
| 29        | 10.616      | 1447          | 1450        | 1453         | rVV3     | 994077         | 857192        | 12.26%          | 1.589%        |
| 30        | 10.769      | 1471          | 1476        | 1480         | rBV      | 6646702        | 6993999       | 100.00%         | 12.961%       |
| 31        | 10.980      | 1510          | 1512        | 1515         | rVB      | 1139187        | 962126        | 13.76%          | 1.783%        |
| 32        | 11.233      | 1552          | 1555        | 1561         | rVB      | 6370092        | 6090608       | 87.08%          | 11.287%       |
| 33        | 11.322      | 1566          | 1570        | 1572         | rBV      | 4268597        | 3610552       | 51.62%          | 6.691%        |
| 34        | 11.580      | 1612          | 1614        | 1617         | rVB      | 1308011        | 1227828       | 17.56%          | 2.275%        |

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Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
OILY-WATER-A

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-BF120818.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 12.316 | 1737 | 1739 | 1744 | rVB  | 862090  | 889205  | 12.71% | 1.648% |
| 36 | 12.527 | 1773 | 1775 | 1778 | rBV2 | 432253  | 446549  | 6.38%  | 0.828% |
| 37 | 12.904 | 1836 | 1839 | 1850 | rVB2 | 1204993 | 1492784 | 21.34% | 2.766% |
| 38 | 13.951 | 2014 | 2017 | 2021 | rBV  | 2780726 | 2551990 | 36.49% | 4.729% |
| 39 | 15.392 | 2257 | 2262 | 2268 | rBV  | 2154785 | 2529400 | 36.17% | 4.688% |

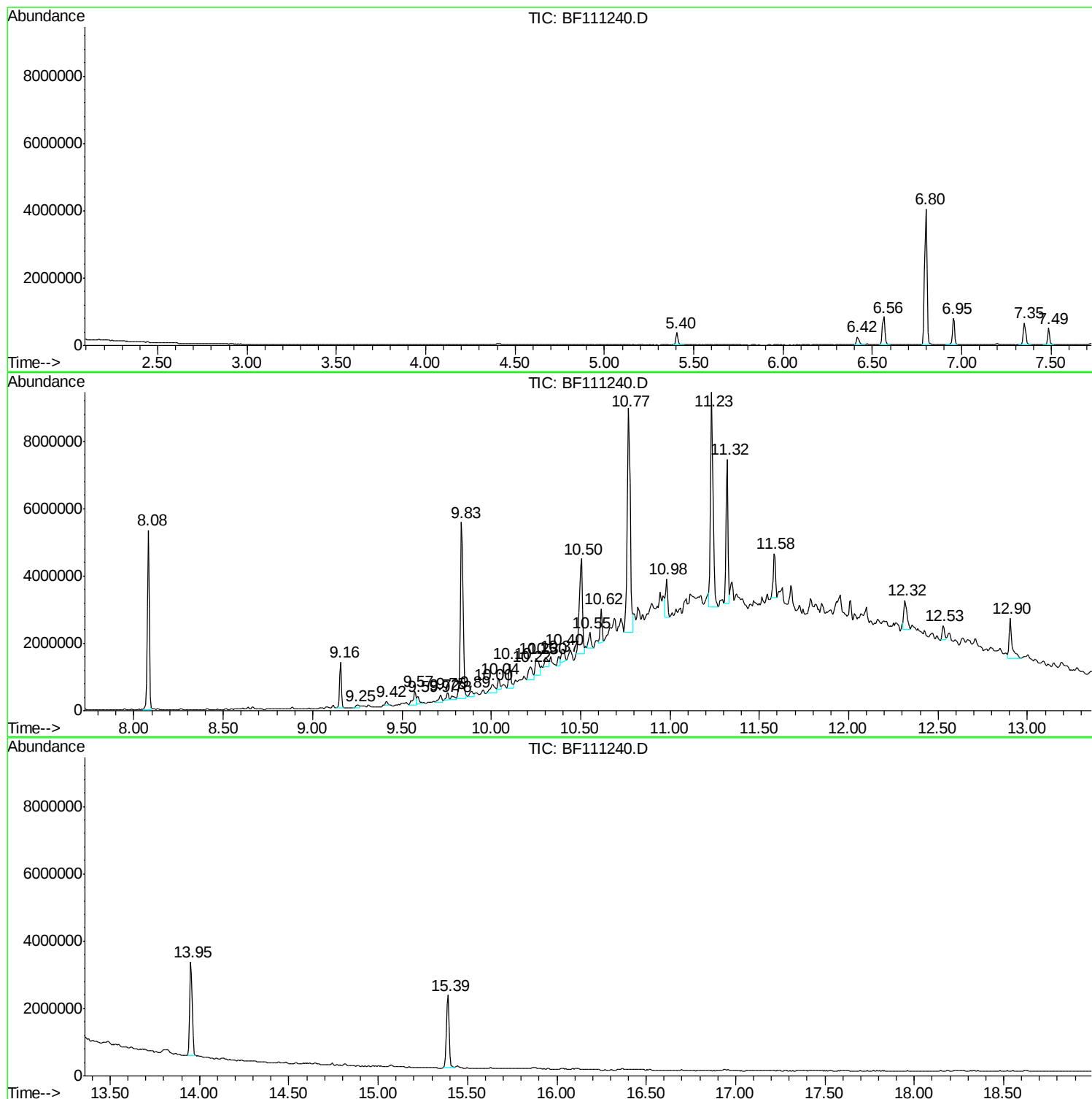
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Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120818.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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Sample : J6243-03 20X  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
OILY-WATER-A

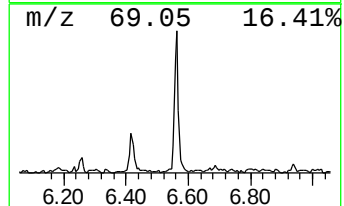
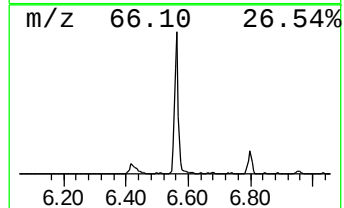
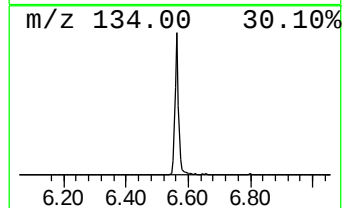
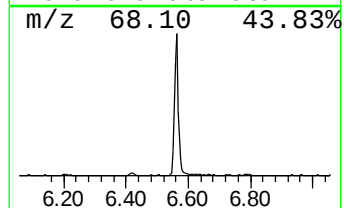
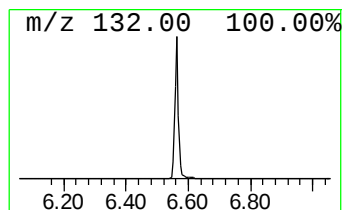
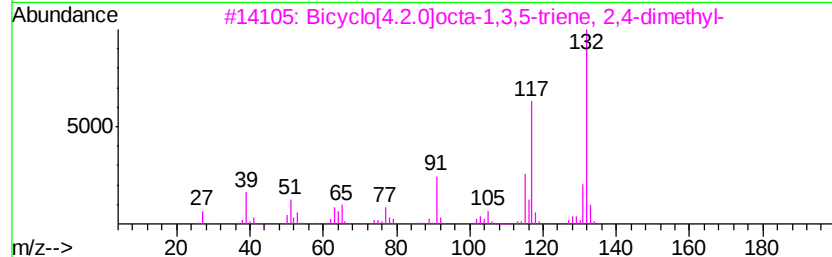
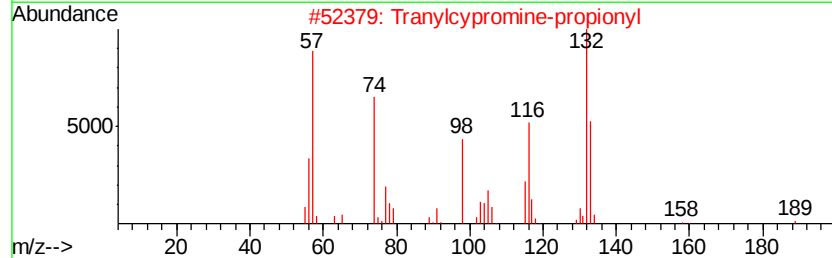
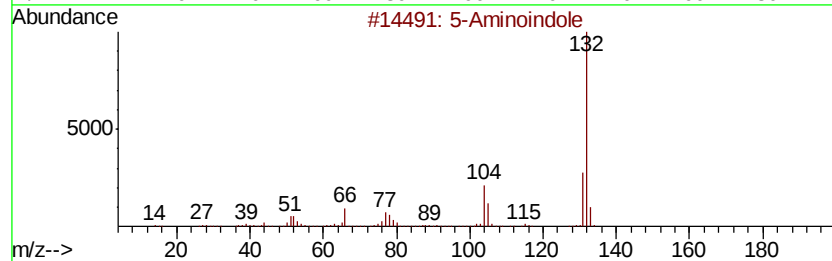
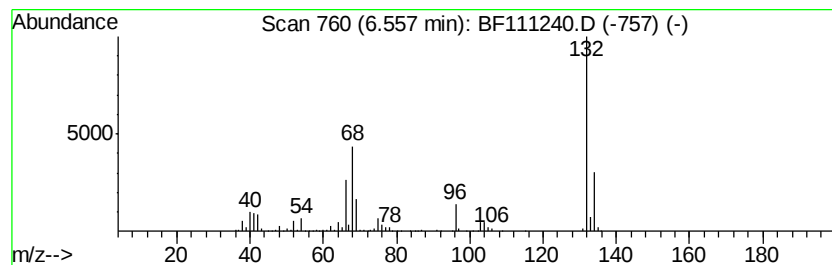
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 unknown6.56 Concentration Rank 8

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 6.56 | 4.37 ng | 734437 | 1,4-Dichlorobenzene-d4 | 6.80 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | 5-Aminoindole                       | 132 | C8H8N2    | 005192-03-0  | 16   |
| 2    |    |   | Tranylcypromine-propionyl           | 189 | C12H15NO  | 1000123-86-3 | 16   |
| 3    |    |   | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12    | 028749-81-7  | 9    |
| 4    |    |   | 4-Methylpyrrolo[1,2-a]pyrazine      | 132 | C8H8N2    | 064608-60-2  | 9    |
| 5    |    |   | 4-Chloro-6-fluoro-pyrimidine        | 132 | C4H2ClFN2 | 051422-01-6  | 9    |



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ALS Vial : 11 Sample Multiplier: 1

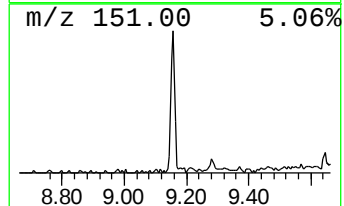
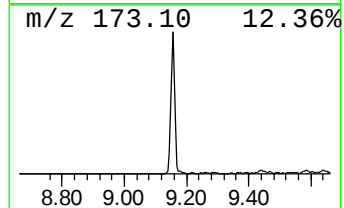
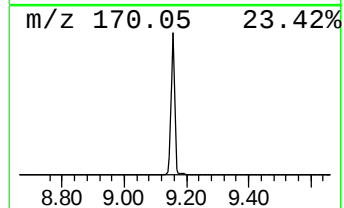
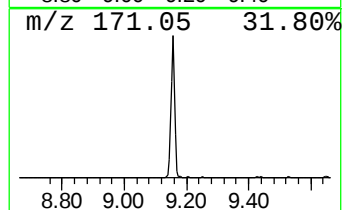
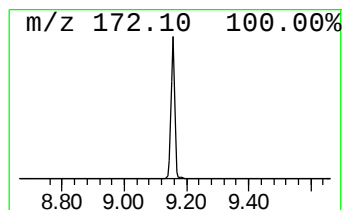
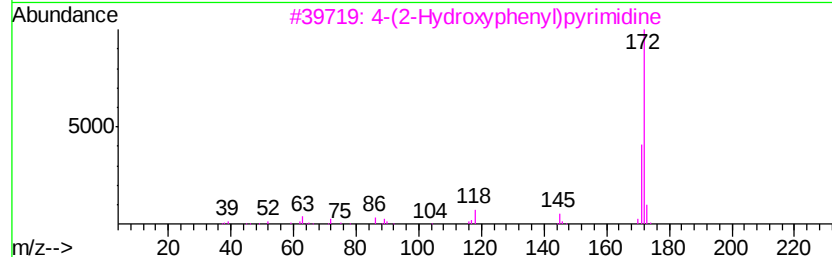
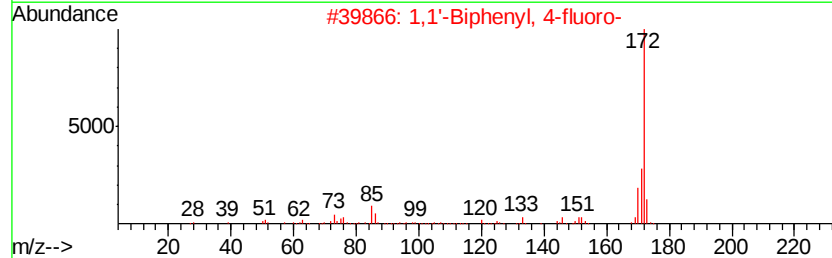
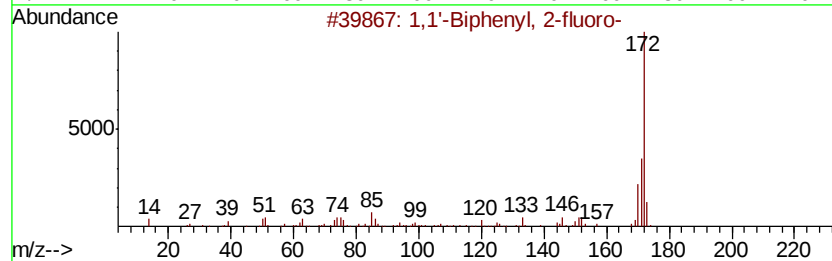
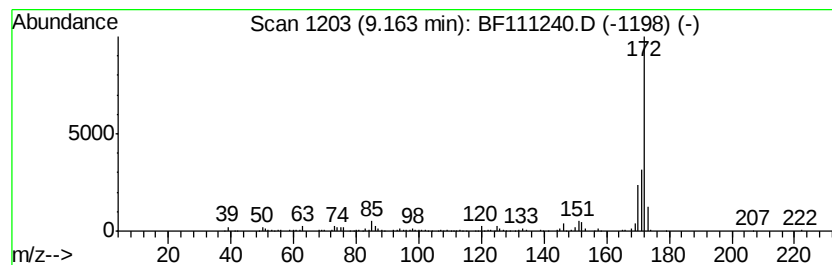
Instrument :  
BNA\_F  
ClientSampleId :  
OILY-WATER-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 3 1,1'-Biphenyl, 2-fluoro- Concentration Rank 9

| R.T.      | EstConc                       | Area    | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------|---------|------------------|-------------|------|
| 9.16      | 4.11 ng                       | 1063020 | Acenaphthene-d10 | 9.83        |      |
| Hit# of 5 | Tentative ID                  | MW      | MolForm          | CAS#        | Qual |
| 1         | 1,1'-Biphenyl, 2-fluoro-      | 172     | C12H9F           | 000321-60-8 | 96   |
| 2         | 1,1'-Biphenyl, 4-fluoro-      | 172     | C12H9F           | 000324-74-3 | 87   |
| 3         | 4-(2-Hydroxyphenyl)pyrimidine | 172     | C10H8N2O         | 068535-55-7 | 42   |
| 4         | 4-Pyrimidinol, 5-phenyl-      | 172     | C10H8N2O         | 022433-69-8 | 42   |
| 5         | 2-(2-Hydroxyphenyl)pyrimidine | 172     | C10H8N2O         | 064435-20-7 | 38   |



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BNA\_F  
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OILY-WATER-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

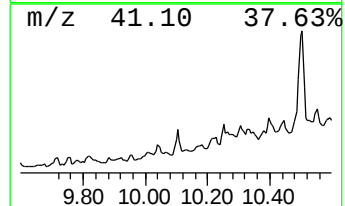
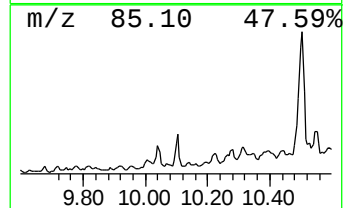
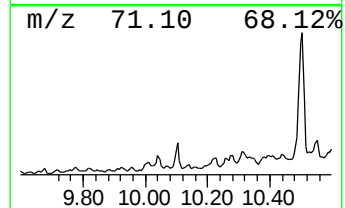
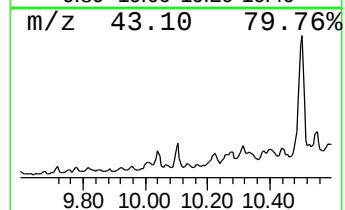
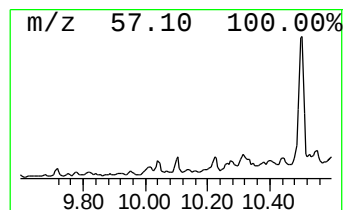
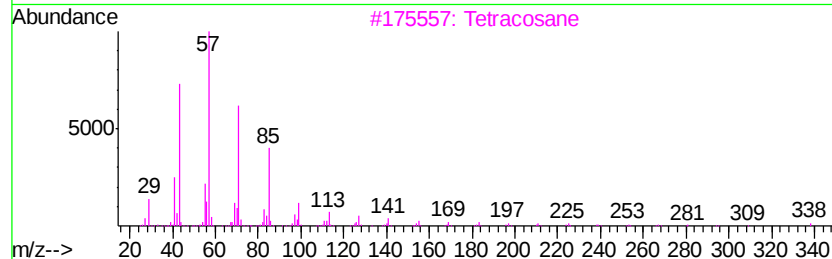
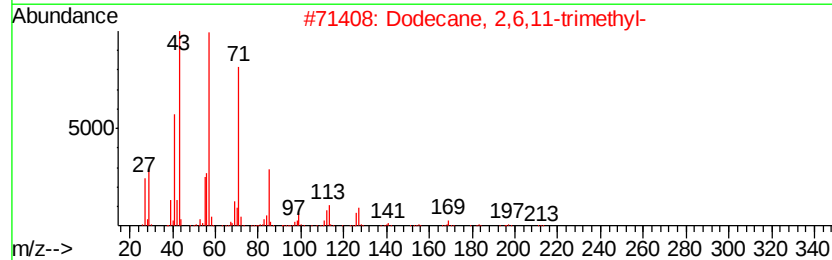
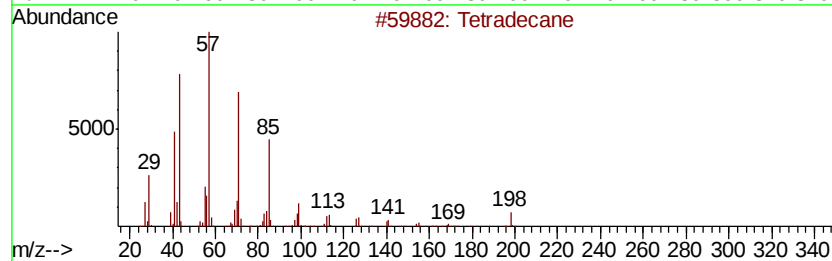
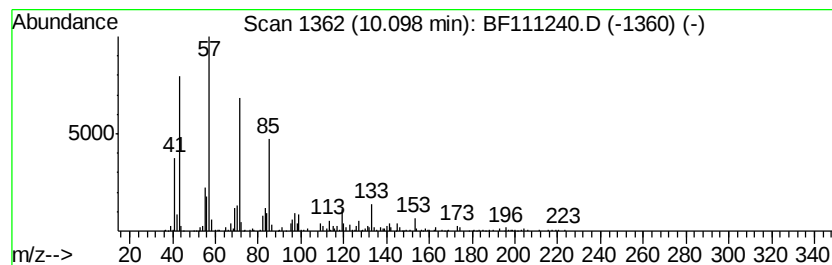
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 unknown10.10 Concentration Rank 11

| R.T.  | EstConc | Area   | Relative to ISTD | R.T. |
|-------|---------|--------|------------------|------|
| 10.10 | 2.68 ng | 693152 | Acenaphthene-d10 | 9.83 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#         | Qual |
|------|----|---|-----------------------------|-----|---------|--------------|------|
| 1    |    |   | Tetradecane                 | 198 | C14H30  | 000629-59-4  | 47   |
| 2    |    |   | Dodecane, 2,6,11-trimethyl- | 212 | C15H32  | 031295-56-4  | 45   |
| 3    |    |   | Tetracosane                 | 338 | C24H50  | 000646-31-1  | 43   |
| 4    |    |   | Pentadecane                 | 212 | C15H32  | 000629-62-9  | 43   |
| 5    |    |   | 1-Iodo-2-methylnonane       | 268 | C10H21I | 1000101-47-9 | 43   |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

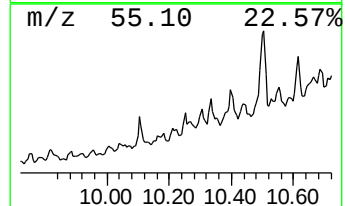
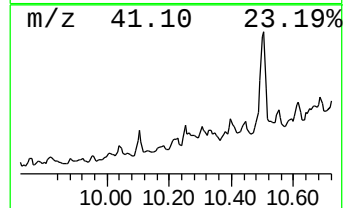
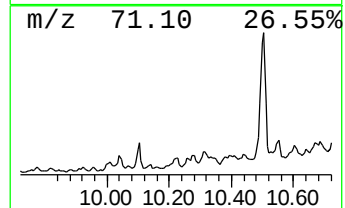
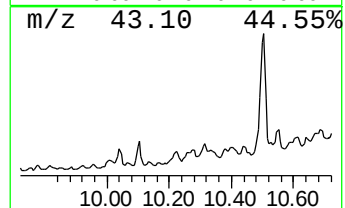
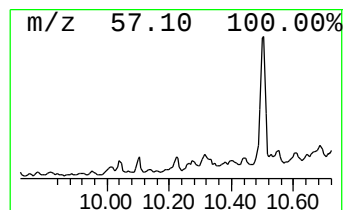
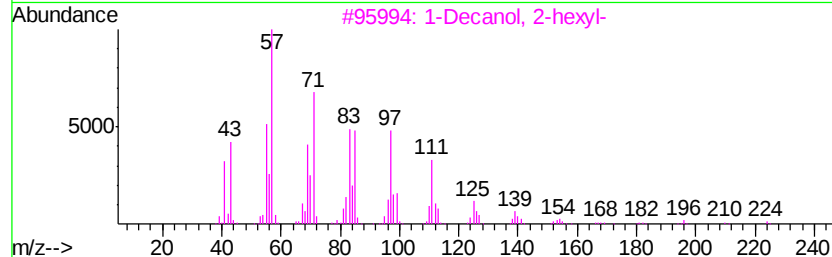
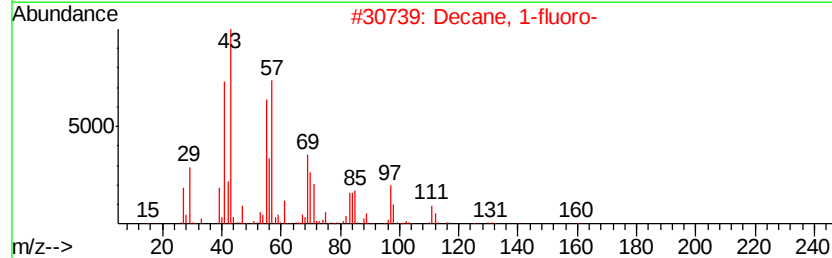
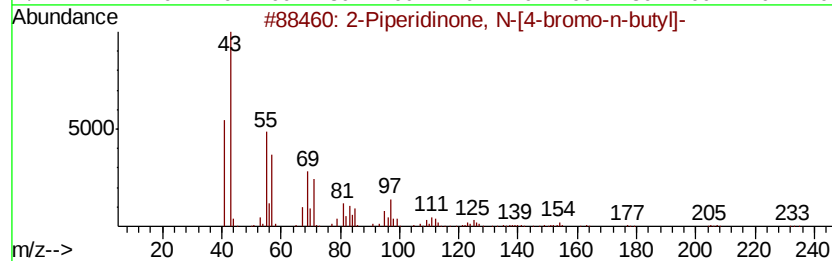
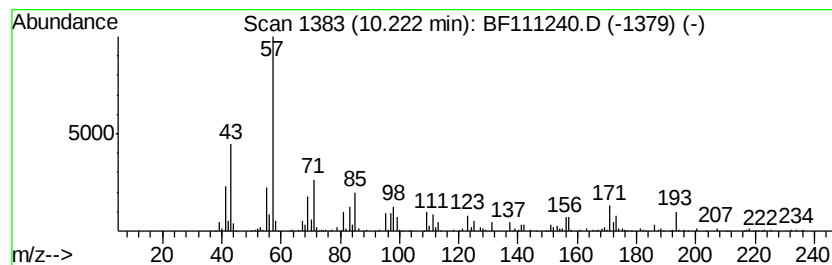
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 unknown10.22 Concentration Rank 13

| R.T.  | EstConc | Area   | Relative to ISTD | R.T. |
|-------|---------|--------|------------------|------|
| 10.22 | 2.35 ng | 608120 | Acenaphthene-d10 | 9.83 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|-------------------------------------|-----|------------|--------------|------|
| 1    | 5  | 2-Piperidinone, N-[4-bromo-n-but... | 233 | C9H16BrNO  | 195194-80-0  | 11   |
| 2    |    | Decane, 1-fluoro-                   | 160 | C10H21F    | 000334-56-5  | 10   |
| 3    |    | 1-Decanol, 2-hexyl-                 | 242 | C16H34O    | 002425-77-6  | 10   |
| 4    |    | 2-Butanone, 4-(2,6,6-trimethyl-2... | 194 | C13H22O    | 039721-65-8  | 10   |
| 5    |    | Tetratriacontyl heptafluorobutyrate | 691 | C38H69F7O2 | 1000351-84-1 | 10   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120918\  
Data File : BF111240.D  
Acq On : 10 Dec 2018 14:12  
Operator : JU/SJ  
Sample : J6243-03 20X  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

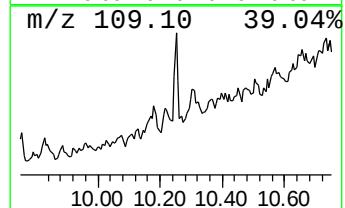
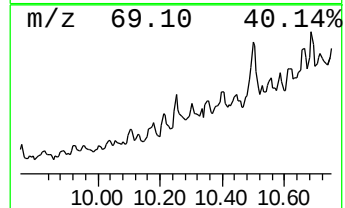
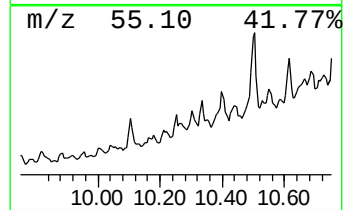
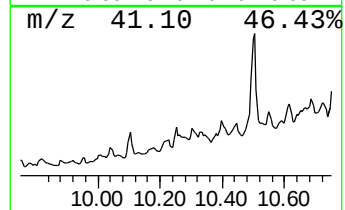
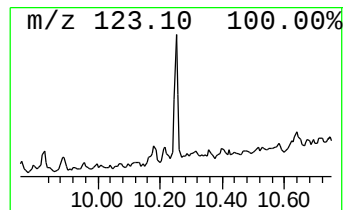
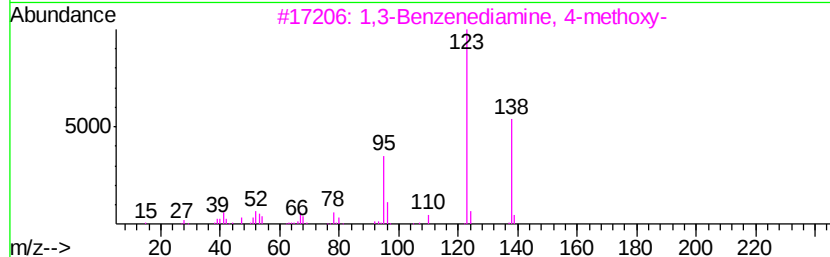
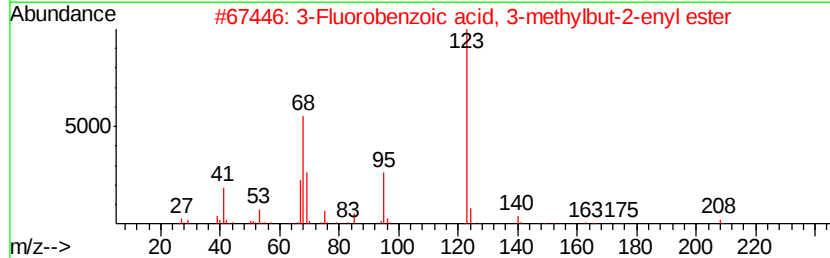
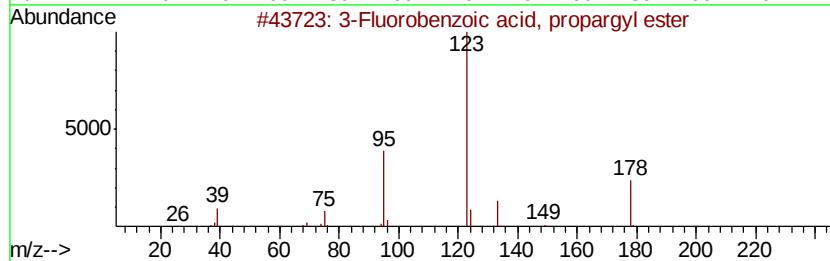
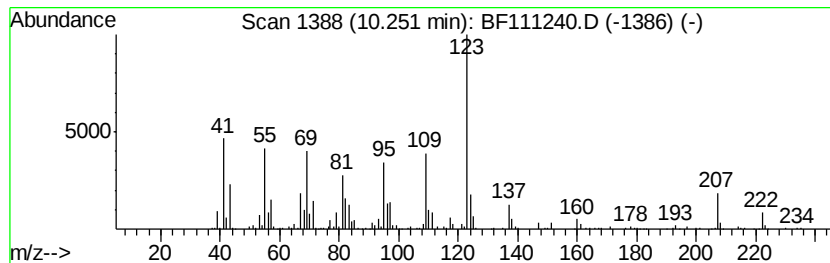
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OILY-WATER-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 6 unknown10.25 Concentration Rank 10

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|--------|------------------|--------------|------|
| 10.25     | 2.72 ng                             | 702651 | Acenaphthene-d10 | 9.83         |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#         | Qual |
| 1         | 3-Fluorobenzoic acid, propargyl ... | 178    | C10H7F02         | 1000325-53-9 | 43   |
| 2         | 3-Fluorobenzoic acid, 3-methylbu... | 208    | C12H13F02        | 154559-38-3  | 43   |
| 3         | 1,3-Benzenediamine, 4-methoxy-      | 138    | C7H10N2O         | 000615-05-4  | 43   |
| 4         | 3-Fluorobenzoic acid, 2-ethylcyc... | 250    | C15H19F02        | 1000279-04-9 | 43   |
| 5         | 3-Fluorobenzoic acid, 3-chloropr... | 214    | C10H8ClF02       | 1000292-61-0 | 43   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120918\  
Data File : BF111240.D  
Acq On : 10 Dec 2018 14:12  
Operator : JU/SJ  
Sample : J6243-03 20X  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

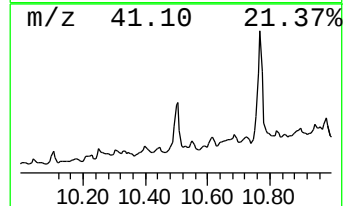
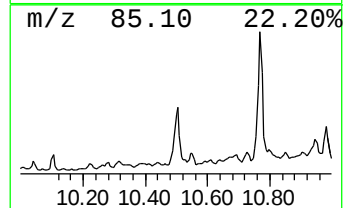
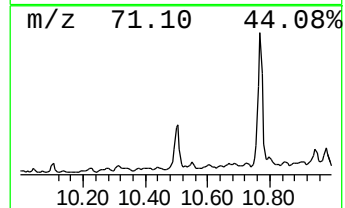
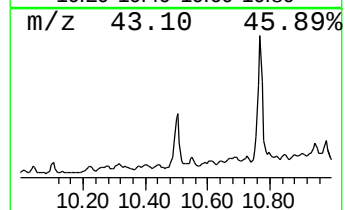
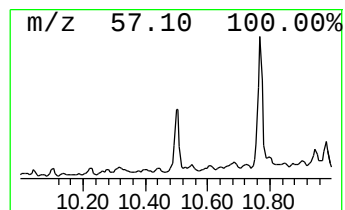
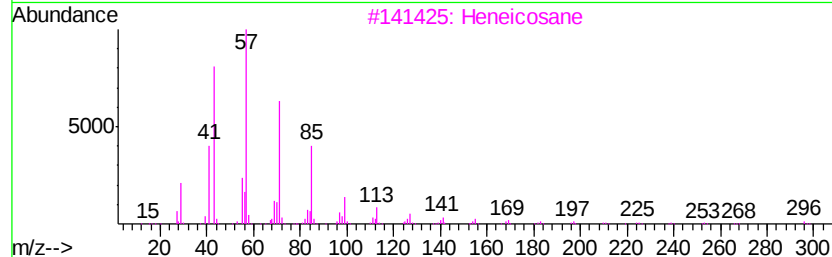
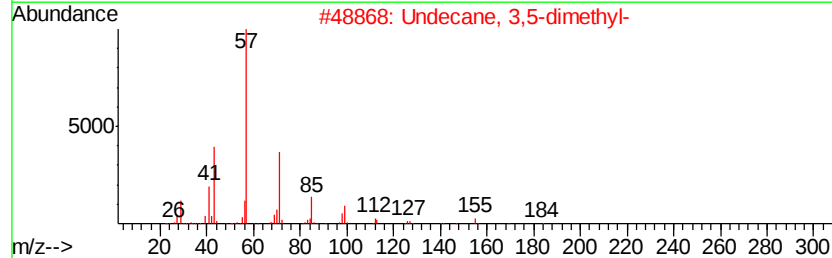
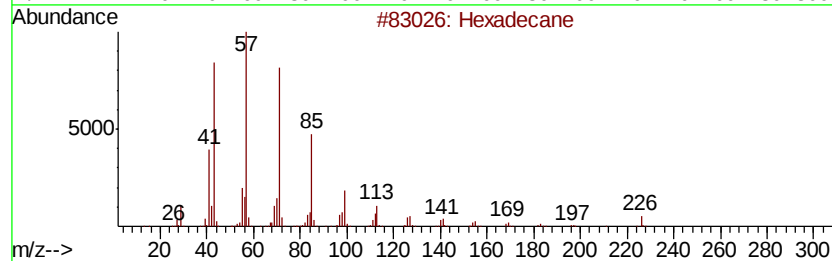
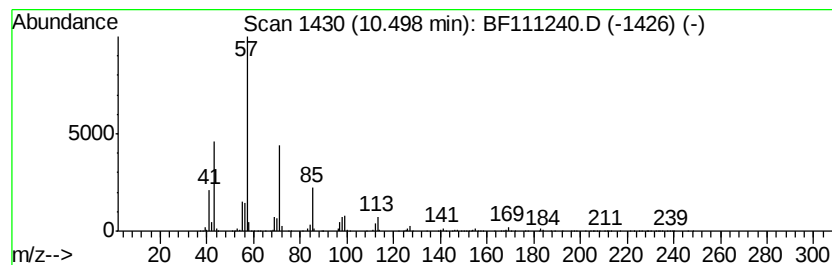
Instrument :  
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ClientSampleId :  
OILY-WATER-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 7 Hexadecane Concentration Rank 3

| R.T.    | EstConc                 | Area         | Relative to ISTD | R.T.      |
|---------|-------------------------|--------------|------------------|-----------|
| 10.50   | 12.25 ng                | 3168220      | Acenaphthene-d10 | 9.83      |
| Hit# of | 5                       | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | Hexadecane              | 226 C16H34   | 000544-76-3      | 87        |
| 2       | Undecane, 3,5-dimethyl- | 184 C13H28   | 017312-81-1      | 87        |
| 3       | Heneicosane             | 296 C21H44   | 000629-94-7      | 83        |
| 4       | 2-Bromo dodecane        | 248 C12H25Br | 013187-99-0      | 74        |
| 5       | Tridecane, 6-methyl-    | 198 C14H30   | 013287-21-3      | 72        |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120918\  
Data File : BF111240.D  
Acq On : 10 Dec 2018 14:12  
Operator : JU/SJ  
Sample : J6243-03 20X  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

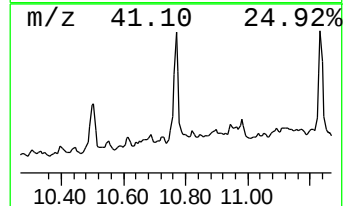
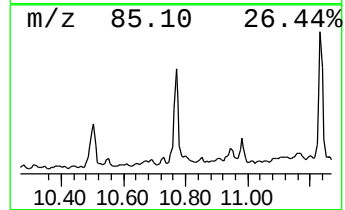
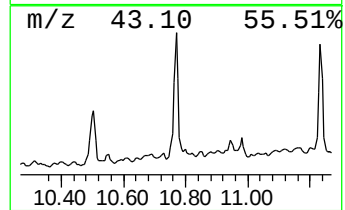
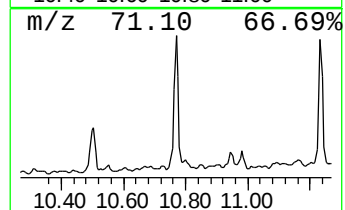
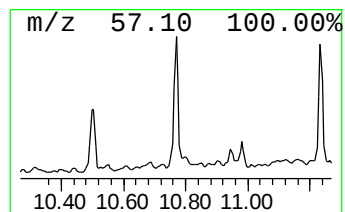
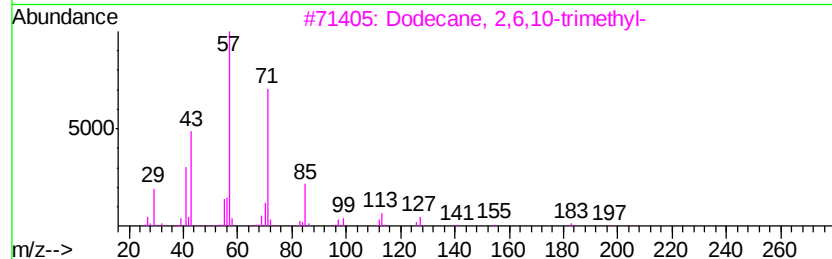
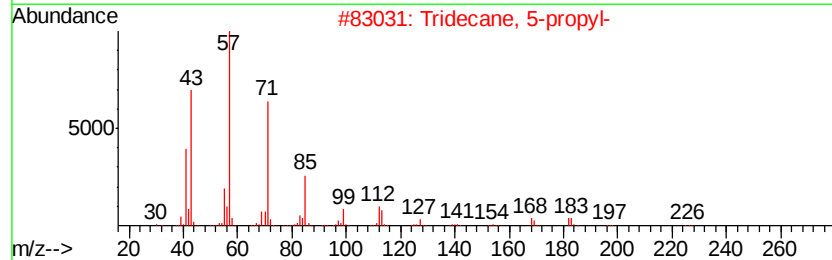
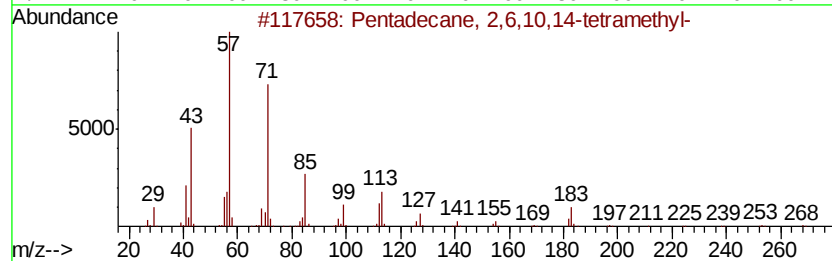
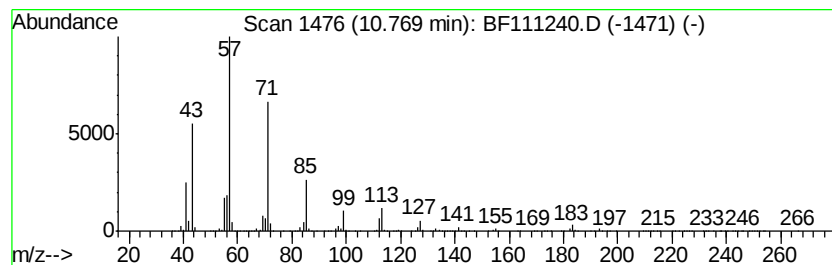
Instrument :  
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ClientSampleId :  
OILY-WATER-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 8 Pentadecane, 2,6,10,14-tetr... Concentration Rank 1

| R.T.    | EstConc  | Area                                | Relative to ISTD | R.T.    |             |      |
|---------|----------|-------------------------------------|------------------|---------|-------------|------|
| 10.77   | 38.74 ng | 6994000                             | Phenanthrene-d10 | 11.32   |             |      |
| Hit# of | 5        | Tentative ID                        | MW               | MolForm | CAS#        | Qual |
| 1       |          | Pentadecane, 2,6,10,14-tetramethyl- | 268              | C19H40  | 001921-70-6 | 91   |
| 2       |          | Tridecane, 5-propyl-                | 226              | C16H34  | 055045-11-9 | 90   |
| 3       |          | Dodecane, 2,6,10-trimethyl-         | 212              | C15H32  | 003891-98-3 | 83   |
| 4       |          | Decane, 5-propyl-                   | 184              | C13H28  | 017312-62-8 | 72   |
| 5       |          | Pentadecane, 2,6,10-trimethyl-      | 254              | C18H38  | 003892-00-0 | 72   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120918\  
Data File : BF111240.D  
Acq On : 10 Dec 2018 14:12  
Operator : JU/SJ  
Sample : J6243-03 20X  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

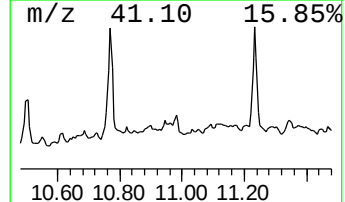
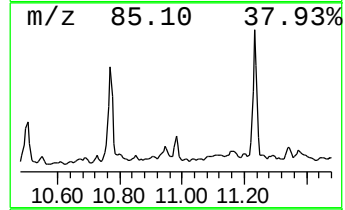
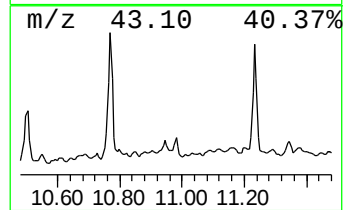
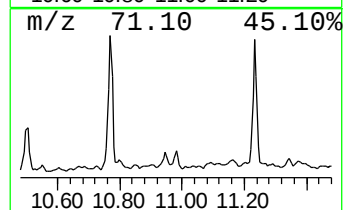
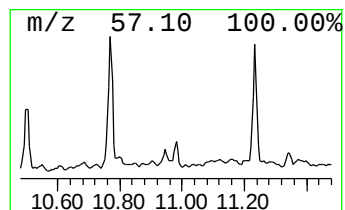
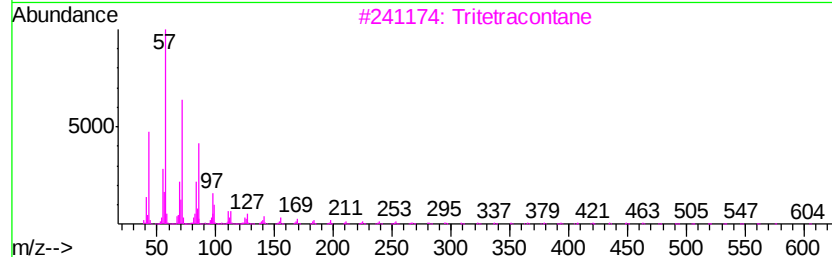
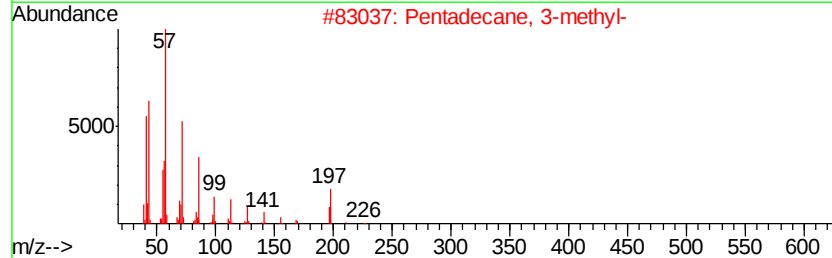
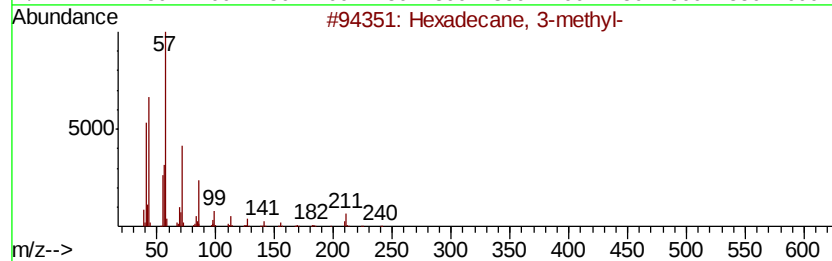
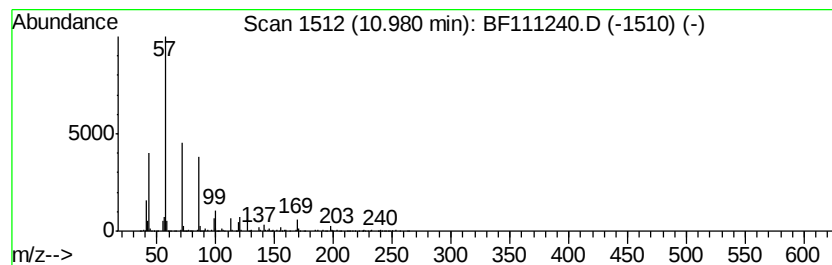
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ClientSampleId :  
OILY-WATER-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 9 Hexadecane, 3-methyl- Concentration Rank 5

| R.T.      | EstConc                | Area   | Relative to ISTD |             | R.T.  |
|-----------|------------------------|--------|------------------|-------------|-------|
| 10.98     | 5.33 ng                | 962126 | Phenanthrene-d10 |             | 11.32 |
| Hit# of 5 | Tentative ID           | MW     | MolForm          | CAS#        | Qual  |
| 1         | Hexadecane, 3-methyl-  | 240    | C17H36           | 006418-43-5 | 80    |
| 2         | Pentadecane, 3-methyl- | 226    | C16H34           | 002882-96-4 | 72    |
| 3         | Tritetracontane        | 605    | C43H88           | 007098-21-7 | 72    |
| 4         | Hexadecane, 1-chloro-  | 260    | C16H33Cl         | 004860-03-1 | 64    |
| 5         | Dodecane, 2-methyl-    | 184    | C13H28           | 001560-97-0 | 64    |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120918\  
Data File : BF111240.D  
Acq On : 10 Dec 2018 14:12  
Operator : JU/SJ  
Sample : J6243-03 20X  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
OILY-WATER-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

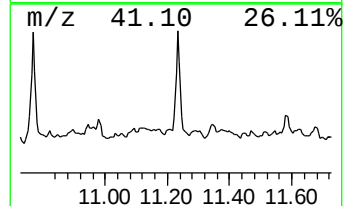
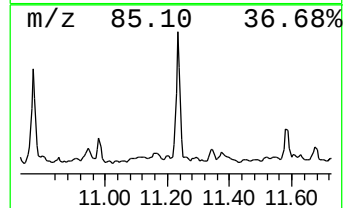
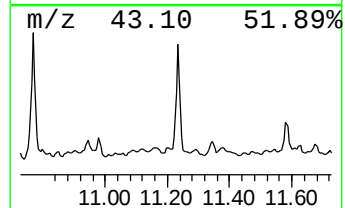
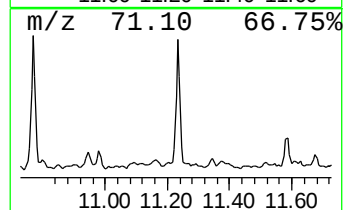
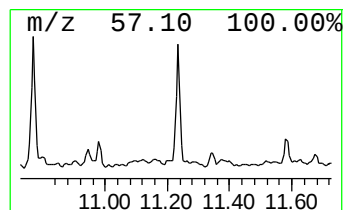
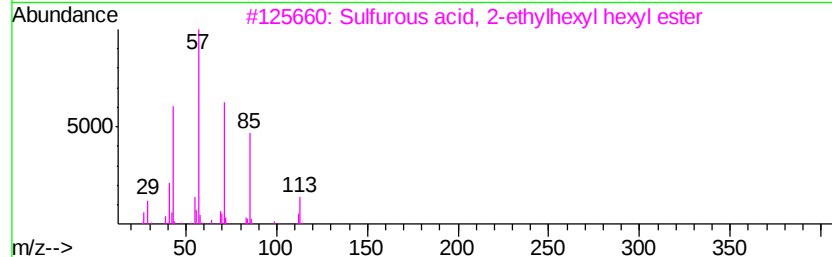
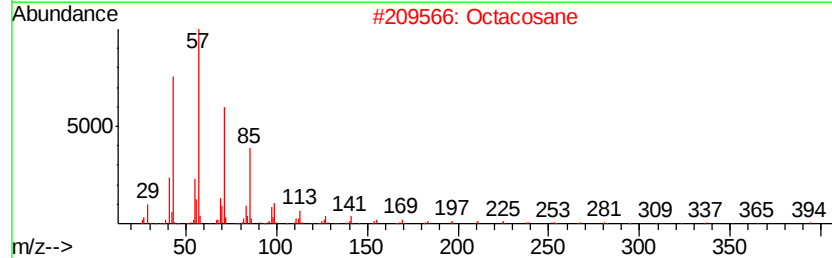
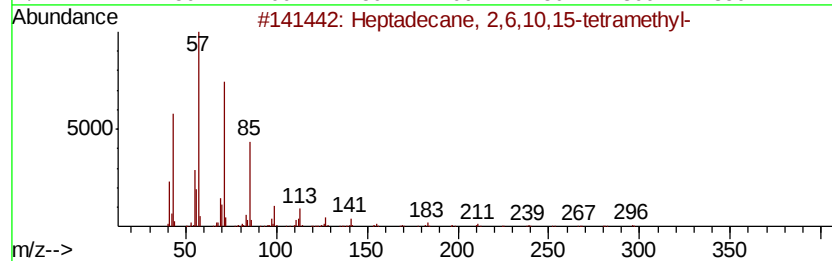
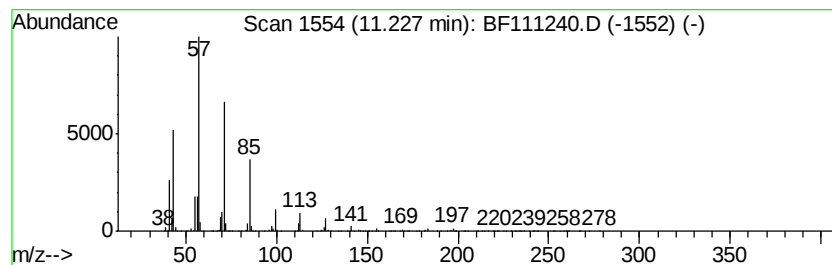
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 Octacosane Concentration Rank 2

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 11.23 | 33.74 ng | 6090610 | Phenanthrene-d10 | 11.32 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44    | 054833-48-6  | 91   |
| 2    |    | Octacosane                          | 394 | C28H58    | 000630-02-4  | 86   |
| 3    |    | Sulfurous acid, 2-ethylhexyl hex... | 278 | C14H30O3S | 1000309-20-2 | 80   |
| 4    |    | Dodecane, 1-iodo-                   | 296 | C12H25I   | 004292-19-7  | 80   |
| 5    |    | Hexadecane                          | 226 | C16H34    | 000544-76-3  | 78   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120918\  
Data File : BF111240.D  
Acq On : 10 Dec 2018 14:12  
Operator : JU/SJ  
Sample : J6243-03 20X  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
OILY-WATER-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

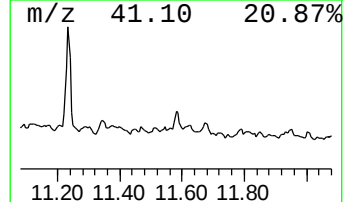
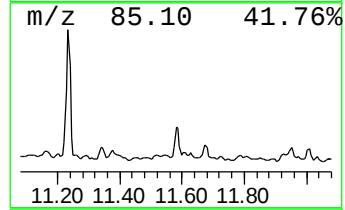
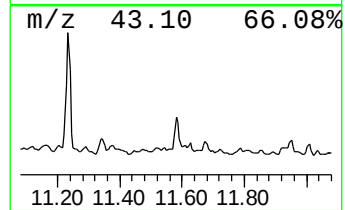
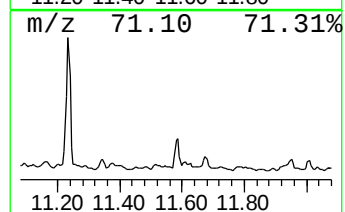
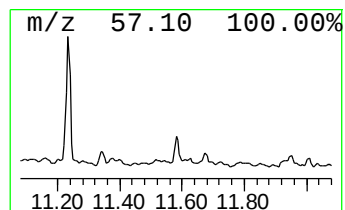
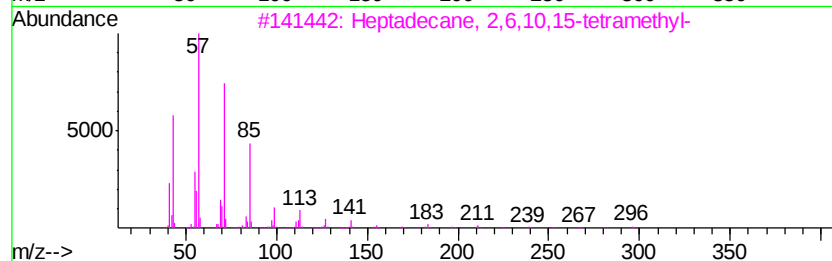
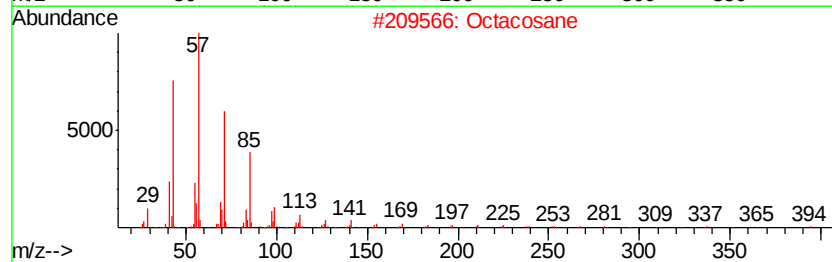
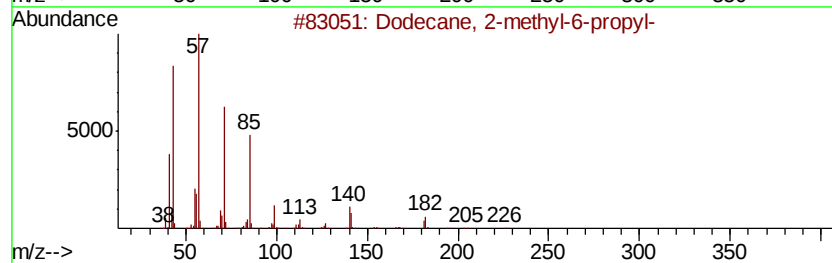
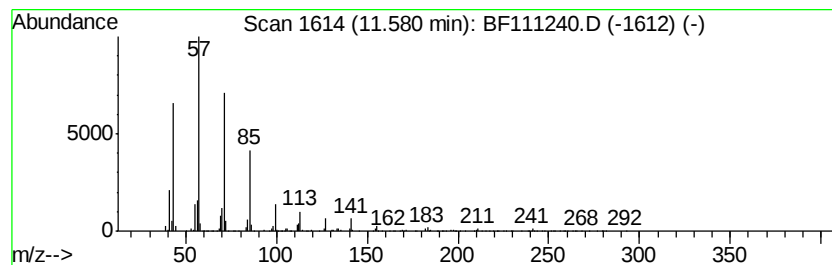
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 11 Dodecane, 2-methyl-6-propyl- Concentration Rank 4

| R.T.  | EstConc | Area    | Relative to ISTD | R.T.  |
|-------|---------|---------|------------------|-------|
| 11.58 | 6.80 ng | 1227830 | Phenanthrene-d10 | 11.32 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Dodecane, 2-methyl-6-propyl-        | 226 | C16H34  | 055045-08-4 | 93   |
| 2    |    |   | Octacosane                          | 394 | C28H58  | 000630-02-4 | 91   |
| 3    |    |   | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44  | 054833-48-6 | 91   |
| 4    |    |   | Octadecane, 2-methyl-               | 268 | C19H40  | 001560-88-9 | 90   |
| 5    |    |   | Tetracosane                         | 338 | C24H50  | 000646-31-1 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120918\  
Data File : BF111240.D  
Acq On : 10 Dec 2018 14:12  
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Sample : J6243-03 20X  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

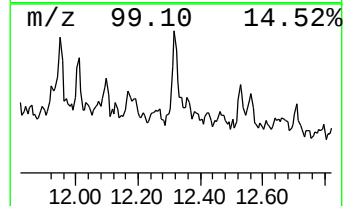
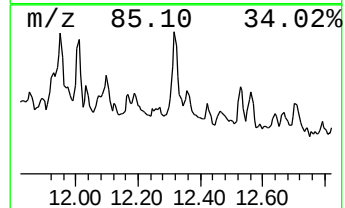
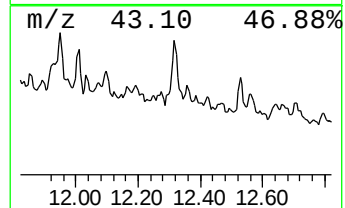
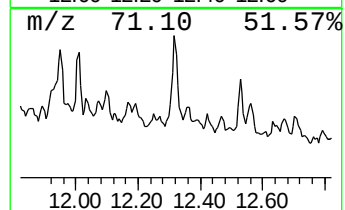
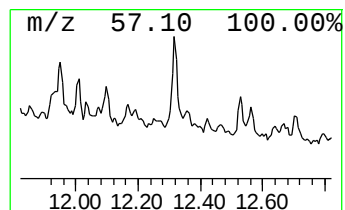
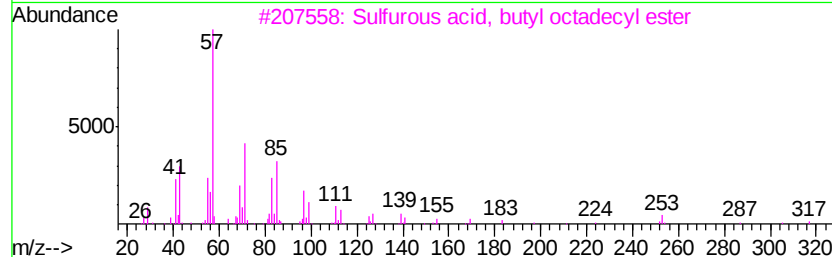
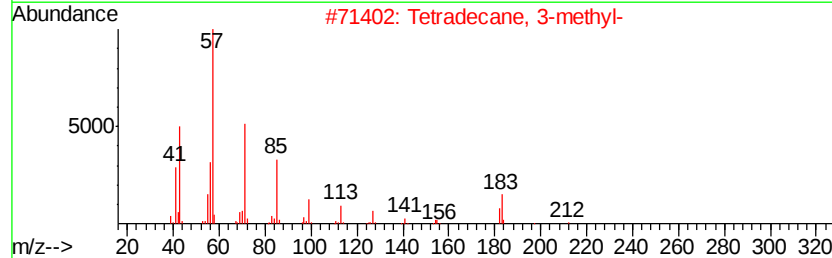
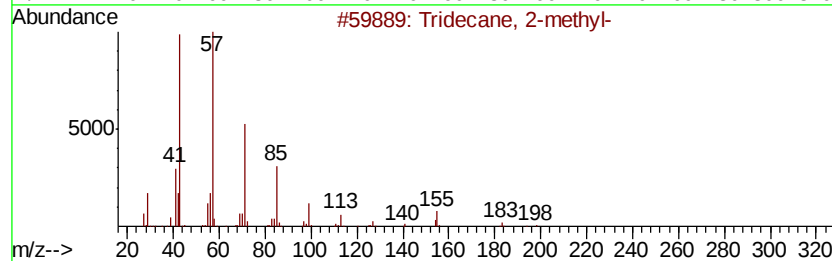
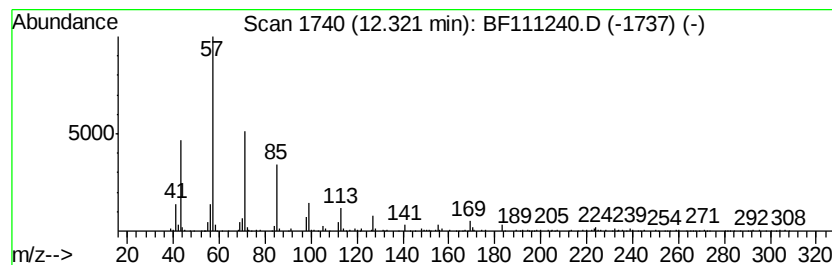
Instrument :  
BNA\_F  
ClientSampleId :  
OILY-WATER-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 12 Tridecane, 2-methyl- Concentration Rank 6

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|--------|------------------|--------------|------|
| 12.32     | 4.93 ng                             | 889205 | Phenanthrene-d10 | 11.32        |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#         | Qual |
| 1         | Tridecane, 2-methyl-                | 198    | C14H30           | 001560-96-9  | 87   |
| 2         | Tetradecane, 3-methyl-              | 212    | C15H32           | 018435-22-8  | 87   |
| 3         | Sulfurous acid, butyl octadecyl ... | 390    | C22H46O3S        | 1000309-18-5 | 86   |
| 4         | Eicosane                            | 282    | C20H42           | 000112-95-8  | 86   |
| 5         | Ethanol, 2-(dodecyloxy)-            | 230    | C14H30O2         | 004536-30-5  | 86   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120918\  
Data File : BF111240.D  
Acq On : 10 Dec 2018 14:12  
Operator : JU/SJ  
Sample : J6243-03 20X  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
OILY-WATER-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

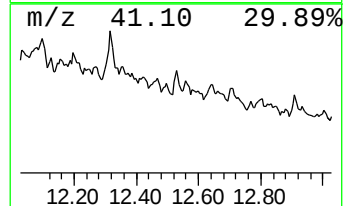
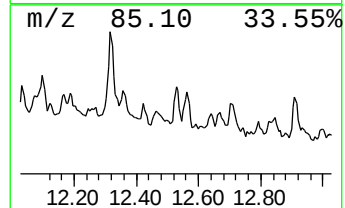
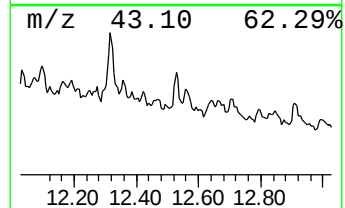
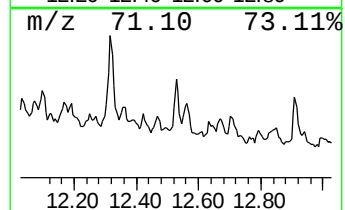
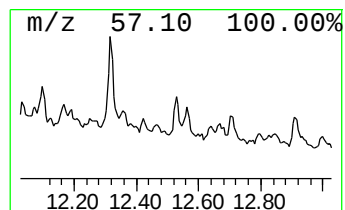
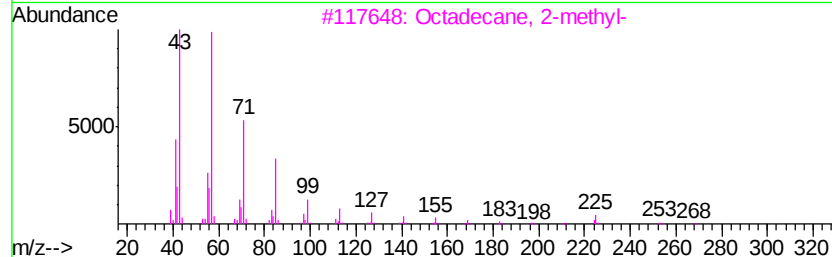
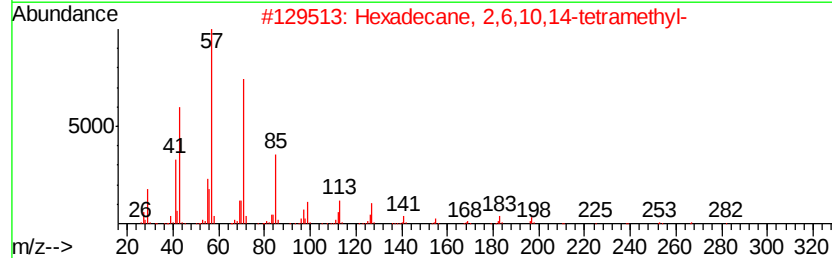
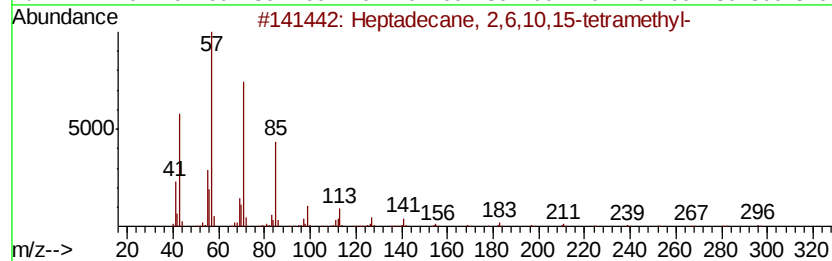
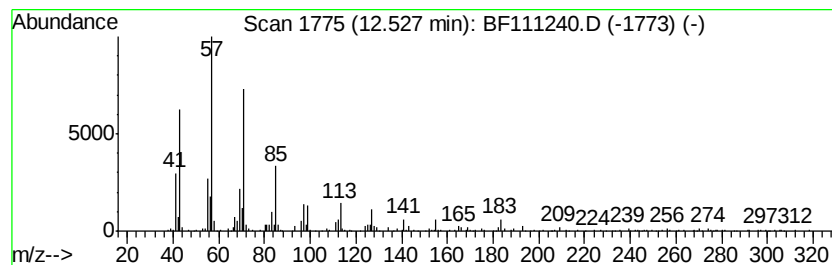
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 13 Heptadecane, 2,6,10,15-tetr... Concentration Rank 12

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 12.53 | 2.47 ng | 446549 | Phenanthrene-d10 | 11.32 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44  | 054833-48-6 | 94   |
| 2    |    | Hexadecane, 2,6,10,14-tetramethyl-  | 282 | C20H42  | 000638-36-8 | 87   |
| 3    |    | Octadecane, 2-methyl-               | 268 | C19H40  | 001560-88-9 | 87   |
| 4    |    | Heptadecane, 2,6-dimethyl-          | 268 | C19H40  | 054105-67-8 | 87   |
| 5    |    | Nonadecane                          | 268 | C19H40  | 000629-92-5 | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF120918\  
 Data File : BF111240.D  
 Acq On : 10 Dec 2018 14:12  
 Operator : JU/SJ  
 Sample : J6243-03 20X  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OILY-WATER-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF120818.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 |
| unknown6.56          | 6.56  | 4.4     | ng    | 734437   | 1                     | 6.80  | 3361490 | 20.0 |
| 1,1'-Biphenyl, 2-... | 9.16  | 4.1     | ng    | 1063020  | 3                     | 9.83  | 5171120 | 20.0 |
| unknown10.10         | 10.10 | 2.7     | ng    | 693152   | 3                     | 9.83  | 5171120 | 20.0 |
| unknown10.22         | 10.22 | 2.4     | ng    | 608120   | 3                     | 9.83  | 5171120 | 20.0 |
| unknown10.25         | 10.25 | 2.7     | ng    | 702651   | 3                     | 9.83  | 5171120 | 20.0 |
| Hexadecane           | 10.50 | 12.3    | ng    | 3168220  | 3                     | 9.83  | 5171120 | 20.0 |
| Pentadecane, 2,6,... | 10.77 | 38.7    | ng    | 6994000  | 4                     | 11.32 | 3610550 | 20.0 |
| Hexadecane, 3-met... | 10.98 | 5.3     | ng    | 962126   | 4                     | 11.32 | 3610550 | 20.0 |
| Octacosane           | 11.23 | 33.7    | ng    | 6090610  | 4                     | 11.32 | 3610550 | 20.0 |
| Dodecane, 2-methy... | 11.58 | 6.8     | ng    | 1227830  | 4                     | 11.32 | 3610550 | 20.0 |
| Tridecane, 2-methyl- | 12.32 | 4.9     | ng    | 889205   | 4                     | 11.32 | 3610550 | 20.0 |
| Heptadecane, 2,6,... | 12.53 | 2.5     | ng    | 446549   | 4                     | 11.32 | 3610550 | 20.0 |