

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011720\  
 Data File : BP001654.D  
 Acq On : 17 Jan 2020 13:24  
 Operator : JU  
 Sample : L1148-07  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SB-28-(4-6)

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\_P\METHODS\8270-BP010820.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         | 2.864       | 9             | 13          | 22           | rVV2     | 27547          | 53529         | 1.49%           | 0.225%        |
| 2         | 2.940       | 22            | 26          | 46           | rVB      | 264935         | 359142        | 10.02%          | 1.511%        |
| 3         | 4.799       | 336           | 342         | 351          | rBV      | 223635         | 321697        | 8.98%           | 1.353%        |
| 4         | 5.264       | 414           | 421         | 439          | rBV      | 984874         | 1429327       | 39.89%          | 6.014%        |
| 5         | 6.834       | 681           | 688         | 704          | rBV      | 1018716        | 1727968       | 48.22%          | 7.270%        |
| 6         | 7.175       | 739           | 746         | 762          | rBV      | 990583         | 1597838       | 44.59%          | 6.722%        |
| 7         | 7.628       | 817           | 823         | 834          | rVB      | 233474         | 370855        | 10.35%          | 1.560%        |
| 8         | 7.952       | 870           | 878         | 890          | rVB      | 729046         | 1182355       | 33.00%          | 4.974%        |
| 9         | 8.781       | 1011          | 1019        | 1032         | rBV      | 640053         | 1073859       | 29.97%          | 4.518%        |
| 10        | 10.410      | 1288          | 1296        | 1308         | rBV      | 285887         | 497651        | 13.89%          | 2.094%        |
| 11        | 12.898      | 1711          | 1719        | 1733         | rBV      | 1519721        | 2202428       | 61.46%          | 9.266%        |
| 12        | 13.745      | 1856          | 1863        | 1875         | rBV      | 108043         | 169526        | 4.73%           | 0.713%        |
| 13        | 14.281      | 1947          | 1954        | 1965         | rBV      | 499357         | 742542        | 20.72%          | 3.124%        |
| 14        | 15.787      | 2203          | 2210        | 2226         | rBV      | 1243130        | 1914033       | 53.42%          | 8.053%        |
| 15        | 17.039      | 2417          | 2423        | 2436         | rBV      | 645791         | 949204        | 26.49%          | 3.994%        |
| 16        | 19.633      | 2857          | 2864        | 2875         | rBV      | 2835042        | 3583322       | 100.00%         | 15.076%       |
| 17        | 20.886      | 3072          | 3077        | 3083         | rBV2     | 335051         | 490131        | 13.68%          | 2.062%        |
| 18        | 20.939      | 3083          | 3086        | 3096         | rVB      | 45903          | 70923         | 1.98%           | 0.298%        |
| 19        | 21.145      | 3116          | 3121        | 3131         | rBV      | 787878         | 1008991       | 28.16%          | 4.245%        |
| 20        | 21.322      | 3147          | 3151        | 3159         | rBV      | 226379         | 240963        | 6.72%           | 1.014%        |
| 21        | 21.757      | 3221          | 3225        | 3240         | rVB      | 360410         | 483105        | 13.48%          | 2.033%        |
| 22        | 22.227      | 3299          | 3305        | 3313         | rBV      | 442871         | 586592        | 16.37%          | 2.468%        |
| 23        | 22.739      | 3386          | 3392        | 3405         | rVB      | 430174         | 622810        | 17.38%          | 2.620%        |
| 24        | 23.316      | 3484          | 3490        | 3495         | rBV      | 308236         | 528375        | 14.75%          | 2.223%        |
| 25        | 23.380      | 3495          | 3501        | 3509         | rVB2     | 435539         | 816324        | 22.78%          | 3.434%        |
| 26        | 23.968      | 3595          | 3601        | 3608         | rVB      | 205272         | 388886        | 10.85%          | 1.636%        |
| 27        | 24.051      | 3610          | 3615        | 3623         | rBV6     | 27969          | 65749         | 1.83%           | 0.277%        |
| 28        | 24.727      | 3724          | 3730        | 3737         | rBV      | 98305          | 204029        | 5.69%           | 0.858%        |
| 29        | 25.615      | 3876          | 3881        | 3888         | rVB3     | 37583          | 86472         | 2.41%           | 0.364%        |

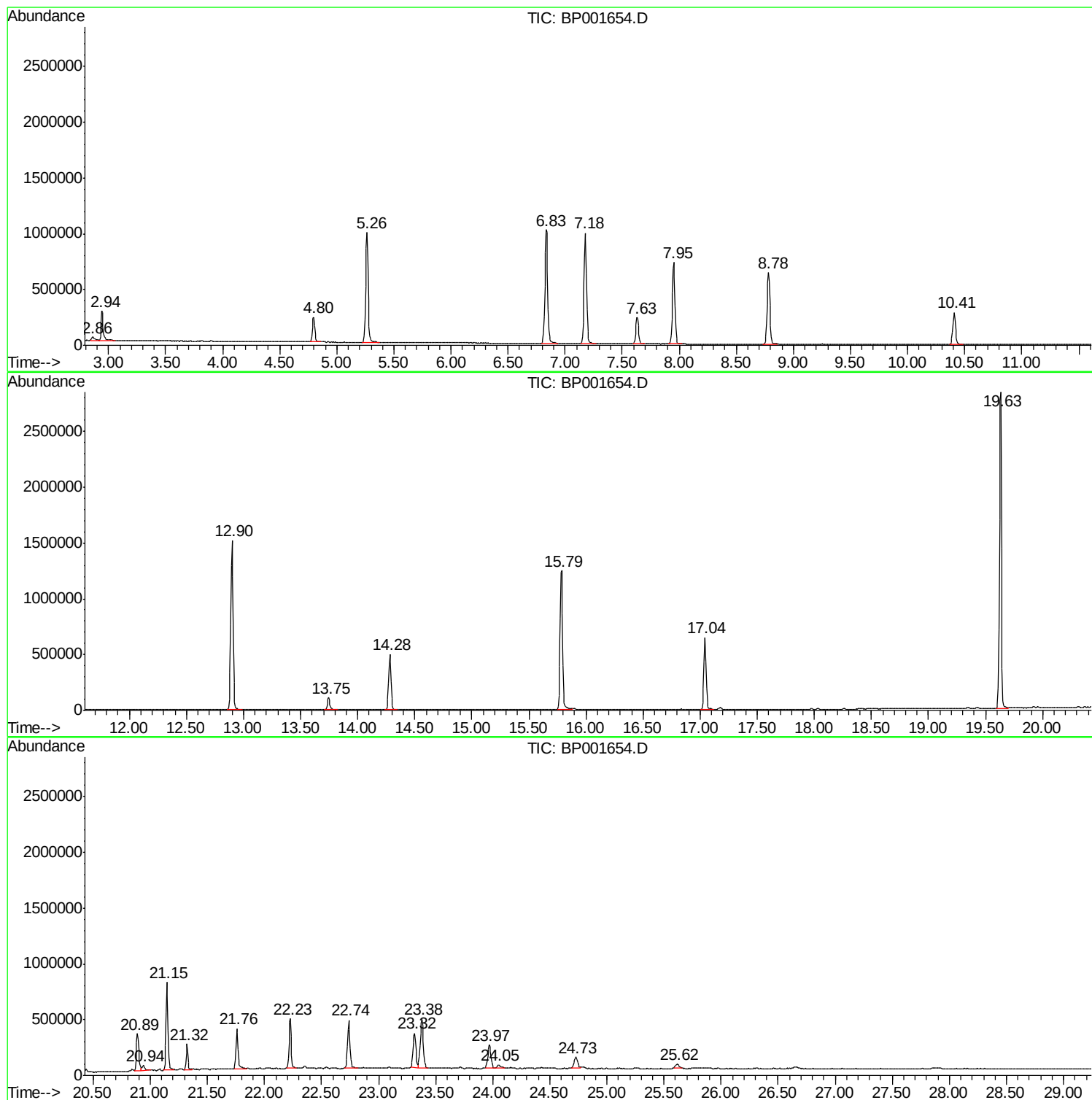
Sum of corrected areas: 23768626

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011720\  
Data File : BP001654.D  
Acq On : 17 Jan 2020 13:24  
Operator : JU  
Sample : L1148-07  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SB-28-(4-6)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011720\  
Data File : BP001654.D  
Acq On : 17 Jan 2020 13:24  
Operator : JU  
Sample : L1148-07  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SB-28-(4-6)

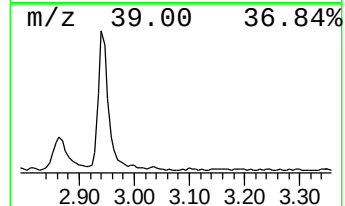
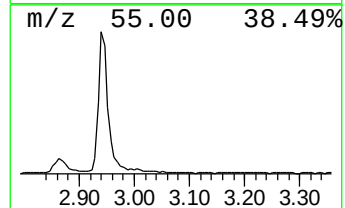
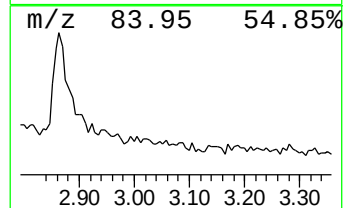
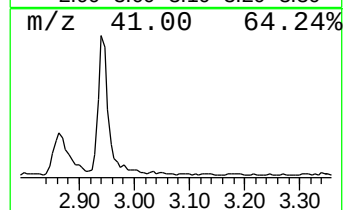
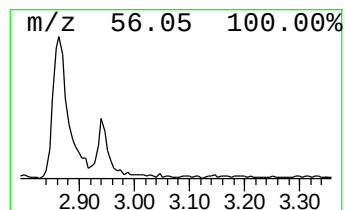
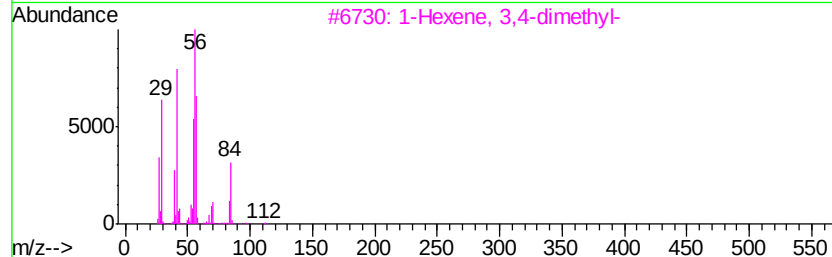
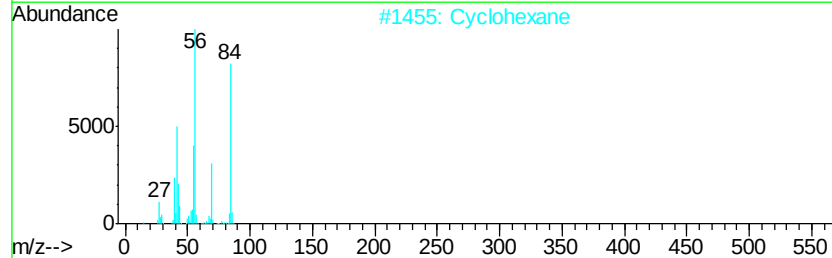
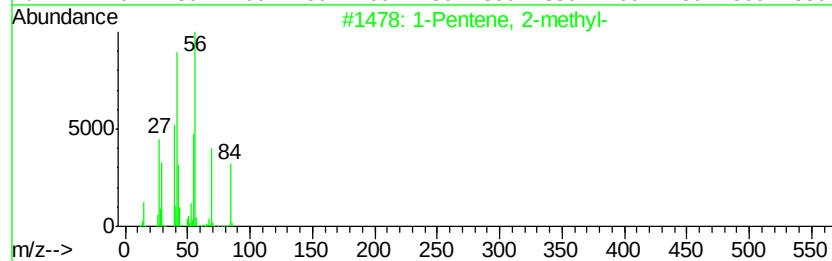
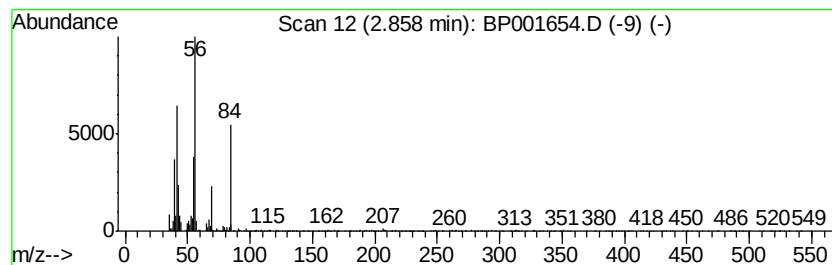
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 1 1-Pentene, 2-methyl- Concentration Rank 13

| R.T. | EstConc | Area  | Relative to ISTD       | R.T. |
|------|---------|-------|------------------------|------|
| 2.86 | 2.89 ng | 53529 | 1,4-Dichlorobenzene-d4 | 7.63 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | 1-Pentene, 2-methyl-    | 84  | C6H12   | 000763-29-1 | 78   |
| 2    |    |   | Cyclohexane             | 84  | C6H12   | 000110-82-7 | 70   |
| 3    |    |   | 1-Hexene, 3,4-dimethyl- | 112 | C8H16   | 016745-94-1 | 47   |
| 4    |    |   | 1-Hexene, 5-methyl-     | 98  | C7H14   | 003524-73-0 | 40   |
| 5    |    |   | Cyclobutane             | 56  | C4H8    | 000287-23-0 | 35   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011720\  
Data File : BP001654.D  
Acq On : 17 Jan 2020 13:24  
Operator : JU  
Sample : L1148-07  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SB-28-(4-6)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

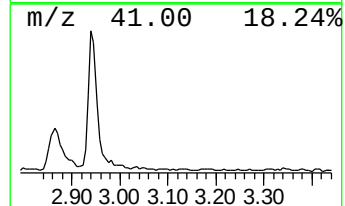
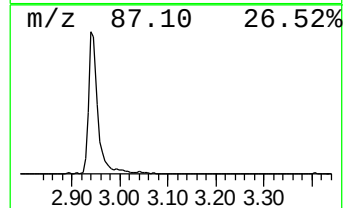
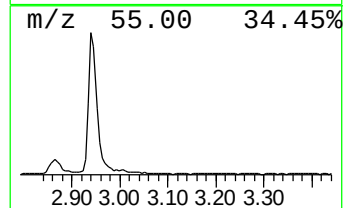
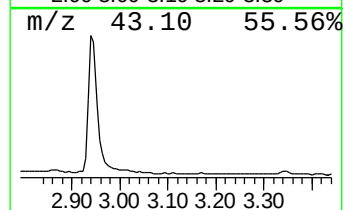
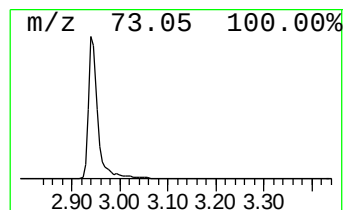
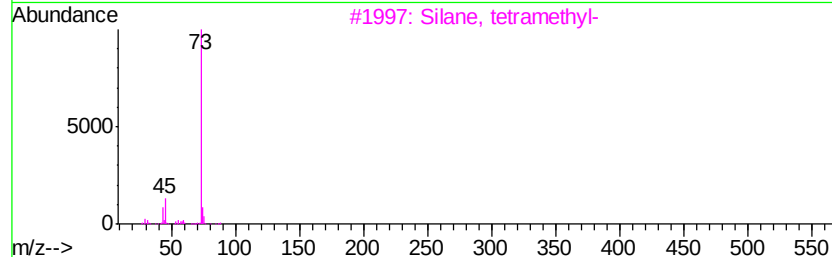
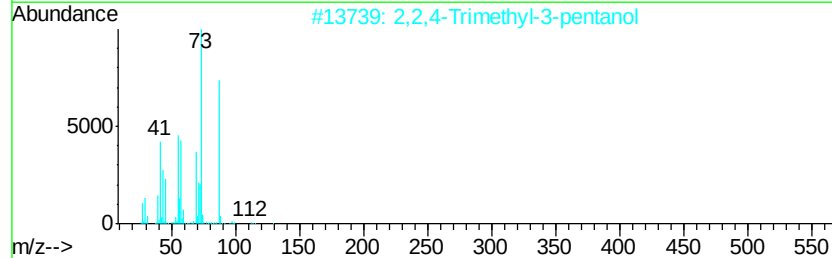
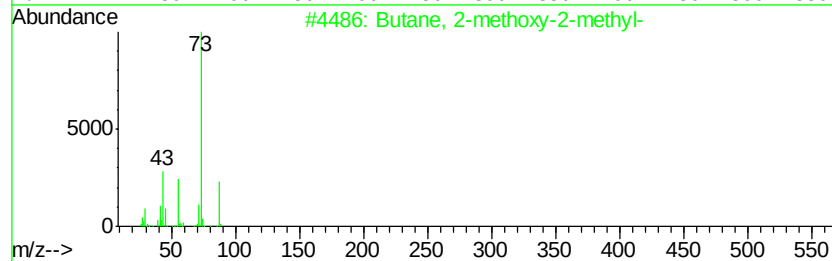
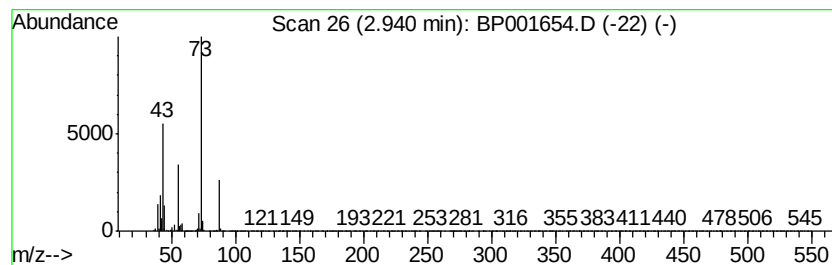
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 3

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 2.94 | 19.37 ng | 359142 | 1,4-Dichlorobenzene-d4 | 7.63 |

| 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 | 32   |
| 4    |    | 2-Methyl-5-hexen-3-ol       | 114 | C7H14O  | 032815-70-6 | 12   |
| 5    |    | 1,3-Dioxolane, 2-methyl-    | 88  | C4H8O2  | 000497-26-7 | 9    |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011720\  
Data File : BP001654.D  
Acq On : 17 Jan 2020 13:24  
Operator : JU  
Sample : L1148-07  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SB-28-(4-6)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

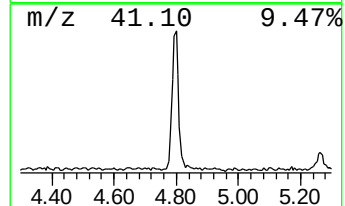
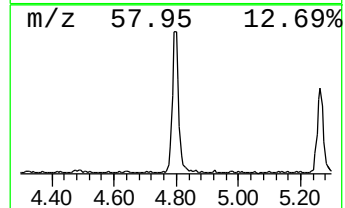
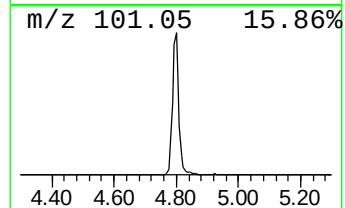
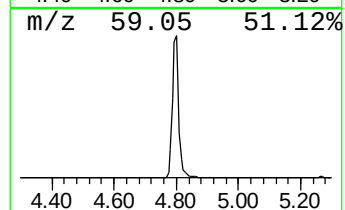
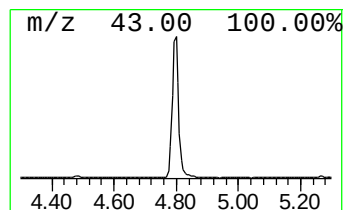
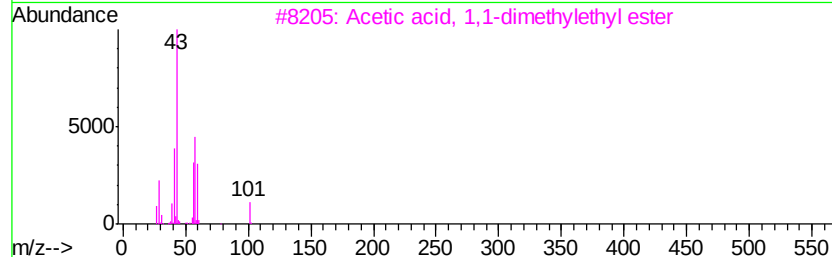
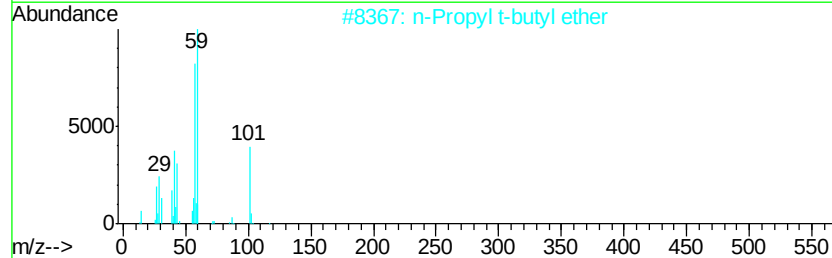
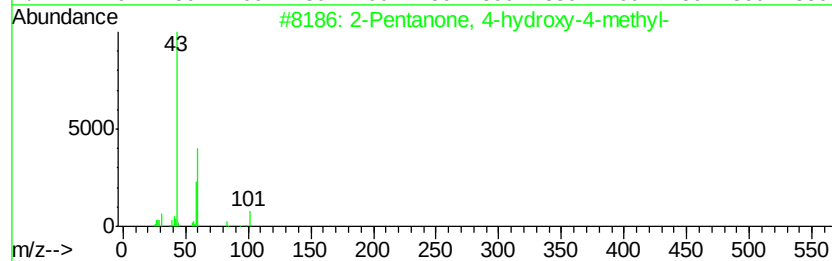
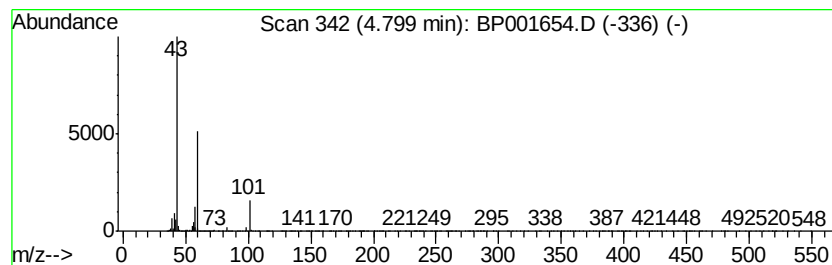
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 4.80 | 17.35 ng | 321697 | 1,4-Dichlorobenzene-d4 | 7.63 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|-------------------------------------|-----|---------|--------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2 | 000123-42-2  | 64   |
| 2    |    | n-Propyl t-butyl ether              | 116 | C7H16O  | 1000334-81-9 | 33   |
| 3    |    | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5  | 28   |
| 4    |    | 2,3-Butanedione, monooxime          | 101 | C4H7NO2 | 000057-71-6  | 27   |
| 5    |    | 1-Propen-2-ol, acetate              | 100 | C5H8O2  | 000108-22-5  | 10   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011720\  
Data File : BP001654.D  
Acq On : 17 Jan 2020 13:24  
Operator : JU  
Sample : L1148-07  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SB-28-(4-6)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

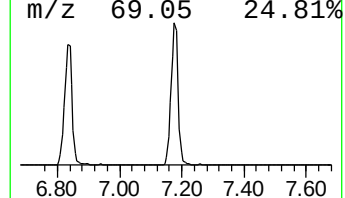
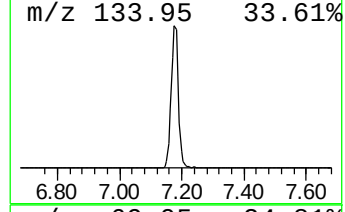
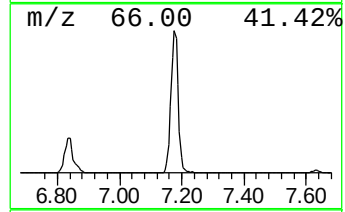
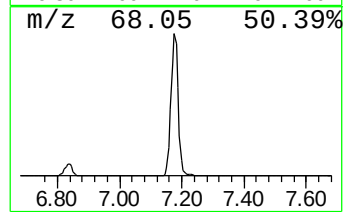
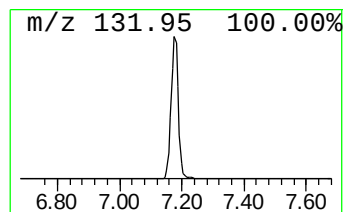
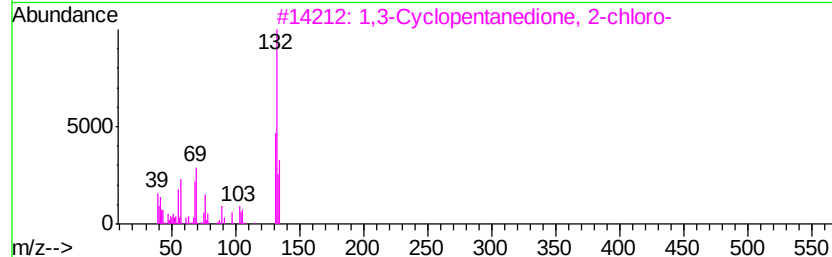
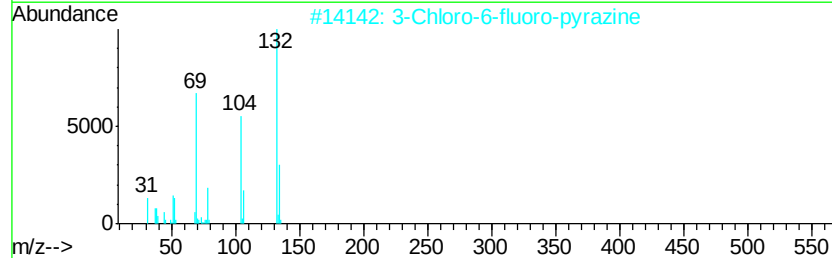
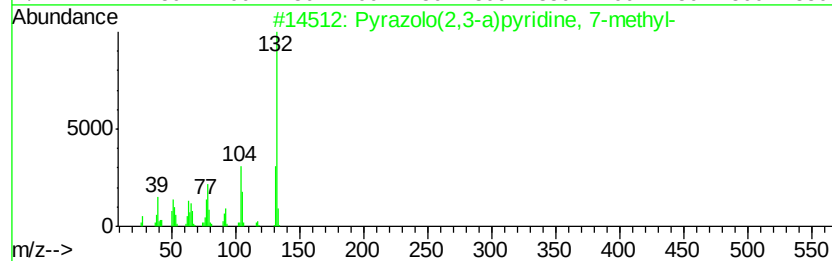
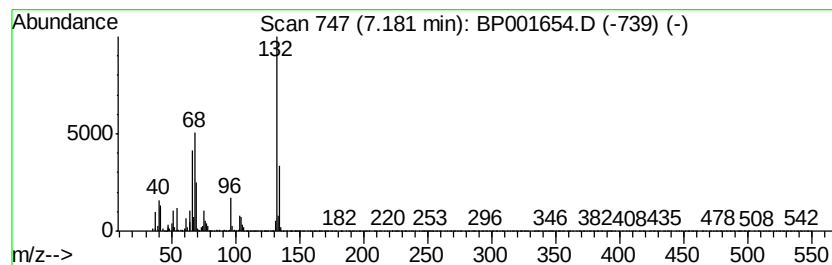
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 unknown7.18 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 7.18 | 86.17 ng | 1597840 | 1,4-Dichlorobenzene-d4 | 7.63 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Pyrazolo(2,3-a)pyridine, 7-methyl-  | 132 | C8H8N2    | 034760-58-2  | 14   |
| 2    |    | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 14   |
| 3    |    | 1,3-Cyclopentanedione, 2-chloro-    | 132 | C5H5ClO2  | 014203-19-1  | 12   |
| 4    |    | 3H-1,2-Dithiol-3-one, 5-methyl-     | 132 | C4H4OS2   | 003620-08-4  | 10   |
| 5    |    | 1,3,4-Thiadiazole-2(3H)-thione, ... | 132 | C3H4N2S2  | 029490-19-5  | 10   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011720\  
Data File : BP001654.D  
Acq On : 17 Jan 2020 13:24  
Operator : JU  
Sample : L1148-07  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

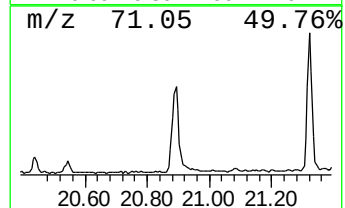
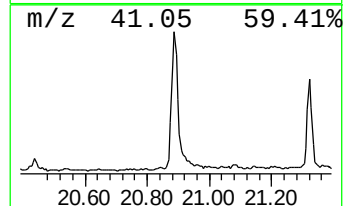
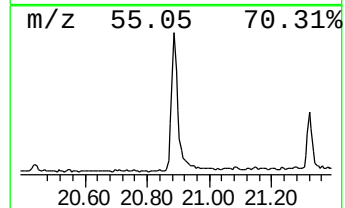
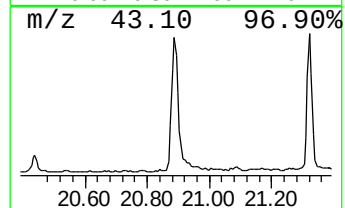
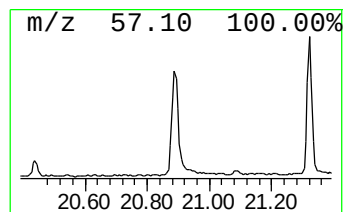
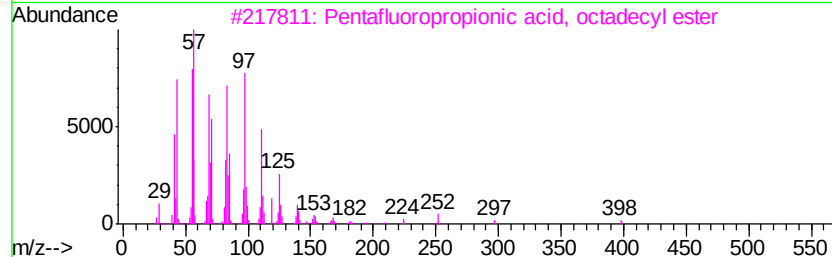
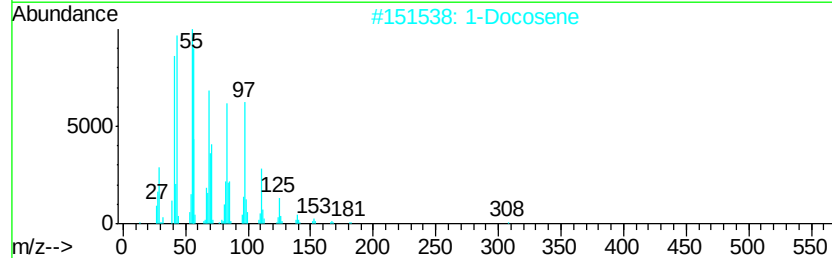
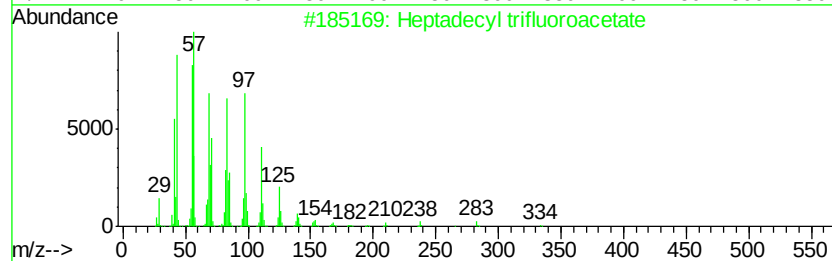
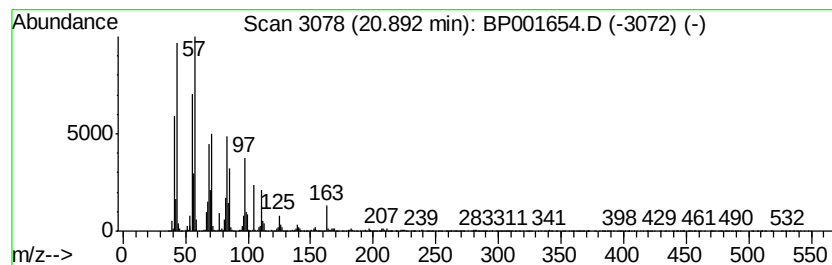
Instrument :  
BNA\_P  
ClientSampleId :  
SB-28-(4-6)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 6 Heptadecyl trifluoroacetate Concentration Rank 8

| R.T.      | EstConc                                     | Area   | Relative to ISTD | R.T.         |      |
|-----------|---------------------------------------------|--------|------------------|--------------|------|
| 20.89     | 9.72 ng                                     | 490131 | Chrysene-d12     | 21.15        |      |
| Hit# of 5 | Tentative ID                                | MW     | MolForm          | CAS#         | Qual |
| 1         | Heptadecyl trifluoroacetate                 | 352    | C19H35F3O2       | 1000351-87-0 | 94   |
| 2         | 1-Docosene                                  | 308    | C22H44           | 001599-67-3  | 93   |
| 3         | Pentafluoropropionic acid, octadecyl ester  | 416    | C21H37F5O2       | 959261-25-7  | 91   |
| 4         | Pentafluoropropionic acid, hexadecyl ester  | 388    | C19H33F5O2       | 006222-07-7  | 91   |
| 5         | Pentafluoropropionic acid, heptadecyl ester | 402    | C20H35F5O2       | 959218-78-1  | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011720\  
Data File : BP001654.D  
Acq On : 17 Jan 2020 13:24  
Operator : JU  
Sample : L1148-07  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SB-28-(4-6)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

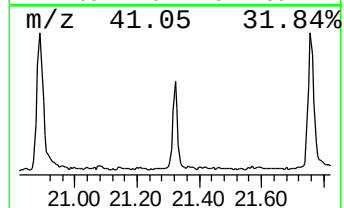
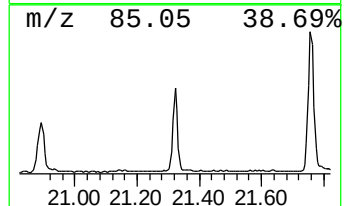
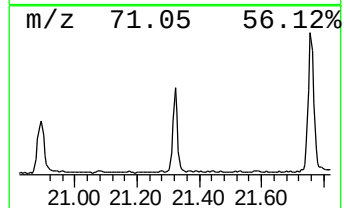
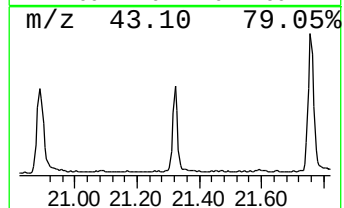
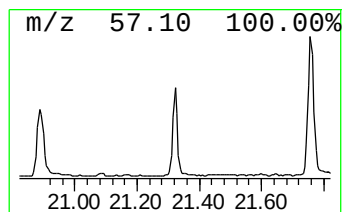
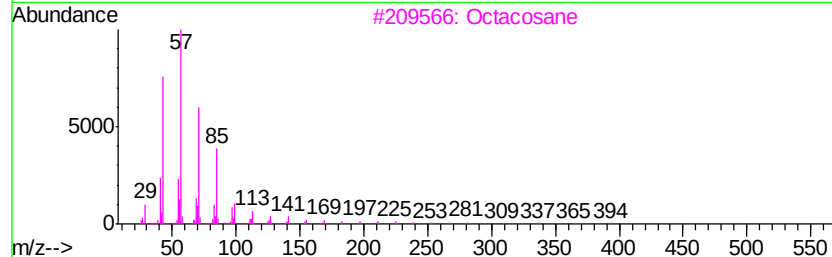
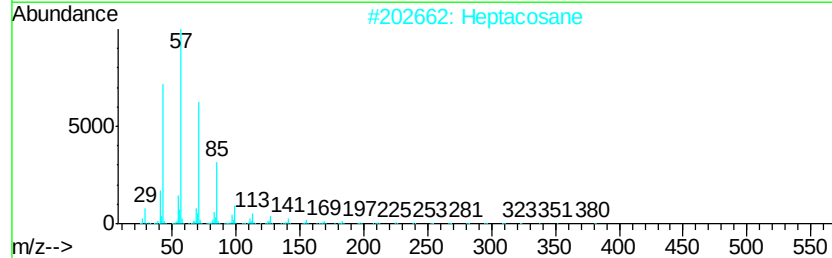
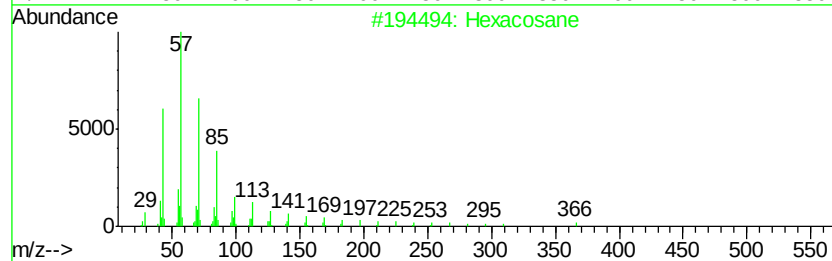
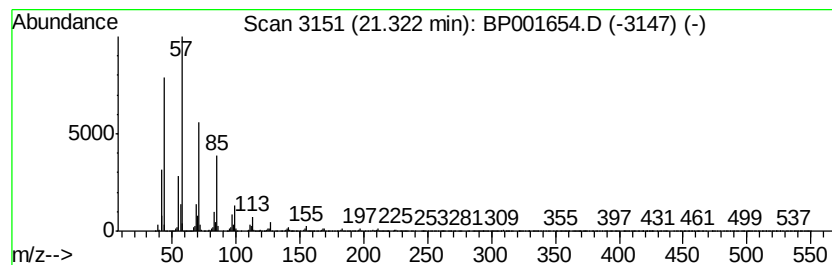
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 Hexacosane Concentration Rank 12

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 21.32 | 4.78 ng | 240963 | Chrysene-d12     | 21.15 |

| Hit# | of | Tentative ID       | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------|-----|---------|-------------|------|
| 1    | 5  | Hexacosane         | 366 | C26H54  | 000630-01-3 | 94   |
| 2    |    | Heptacosane        | 380 | C27H56  | 000593-49-7 | 91   |
| 3    |    | Octacosane         | 394 | C28H58  | 000630-02-4 | 91   |
| 4    |    | Hentriacontane     | 437 | C31H64  | 000630-04-6 | 91   |
| 5    |    | Docosane, 7-butyl- | 366 | C26H54  | 055282-15-0 | 91   |





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011720\  
Data File : BP001654.D  
Acq On : 17 Jan 2020 13:24  
Operator : JU  
Sample : L1148-07  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SB-28-(4-6)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

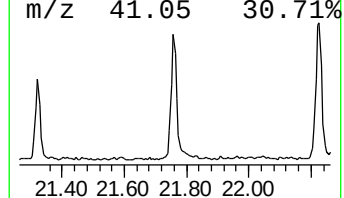
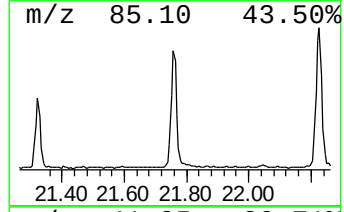
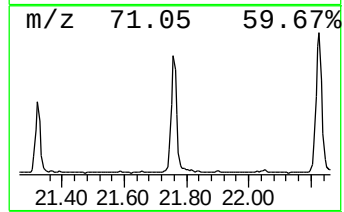
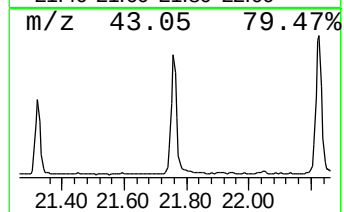
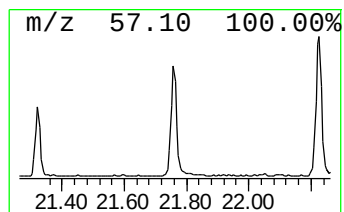
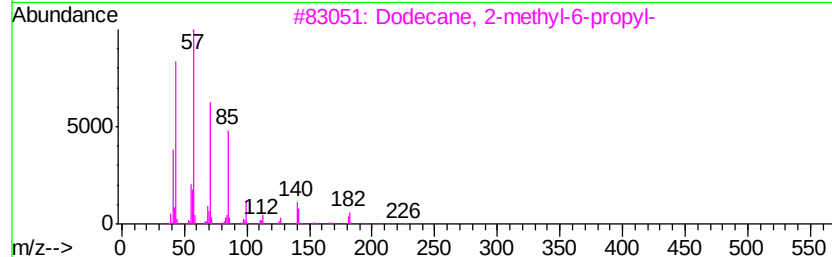
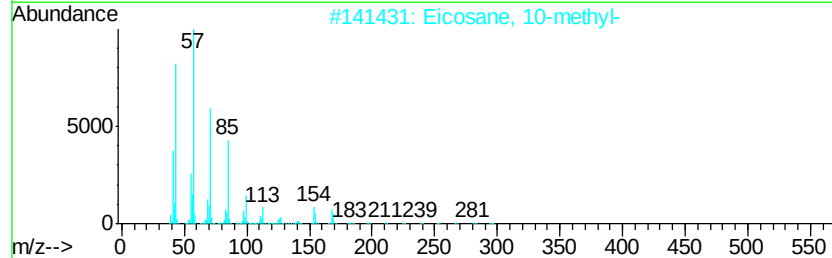
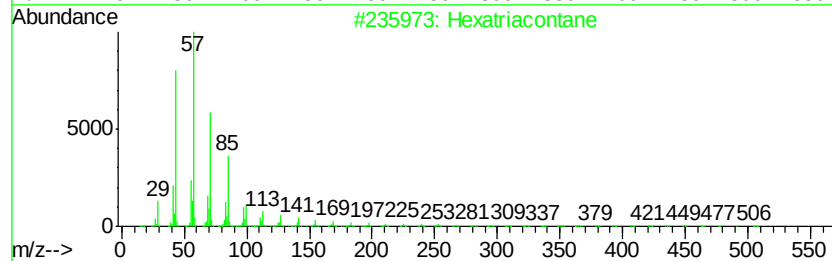
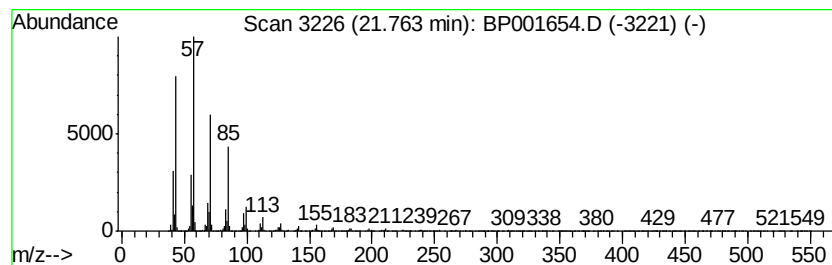
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 Hexatriacontane Concentration Rank 9

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 21.76 | 9.58 ng | 483105 | Chrysene-d12     | 21.15 |

| Hit# | of | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------------|-----|---------|-------------|------|
| 1    | 5  | Hexatriacontane              | 507 | C36H74  | 000630-06-8 | 95   |
| 2    |    | Eicosane, 10-methyl-         | 296 | C21H44  | 054833-23-7 | 93   |
| 3    |    | Dodecane, 2-methyl-6-propyl- | 226 | C16H34  | 055045-08-4 | 91   |
| 4    |    | Octacosane                   | 394 | C28H58  | 000630-02-4 | 91   |
| 5    |    | Eicosane, 7-hexyl-           | 366 | C26H54  | 055333-99-8 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011720\  
Data File : BP001654.D  
Acq On : 17 Jan 2020 13:24  
Operator : JU  
Sample : L1148-07  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

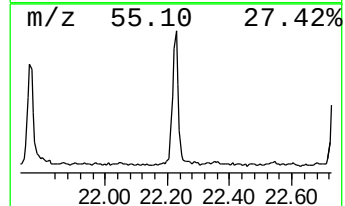
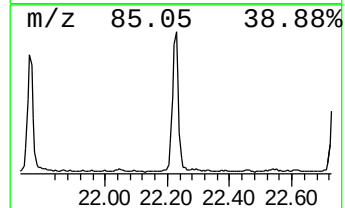
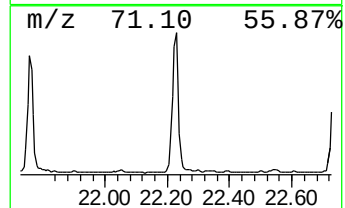
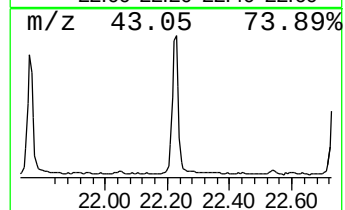
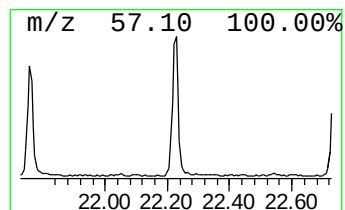
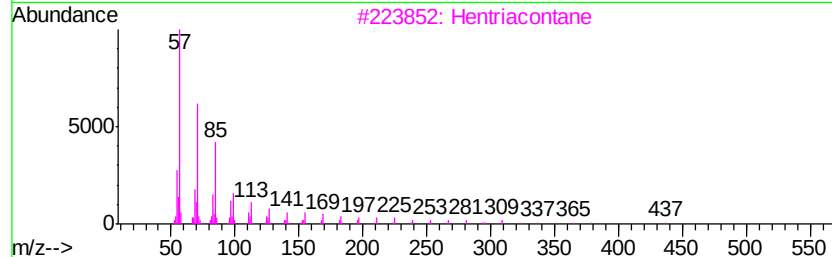
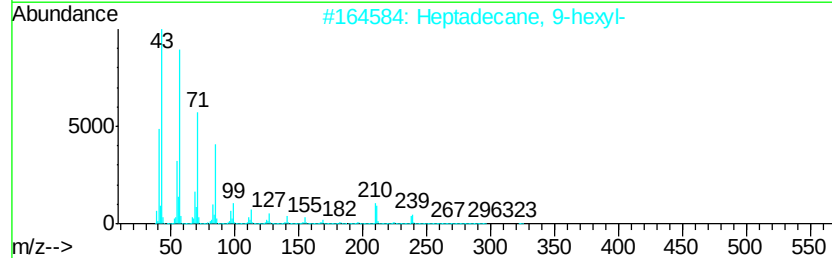
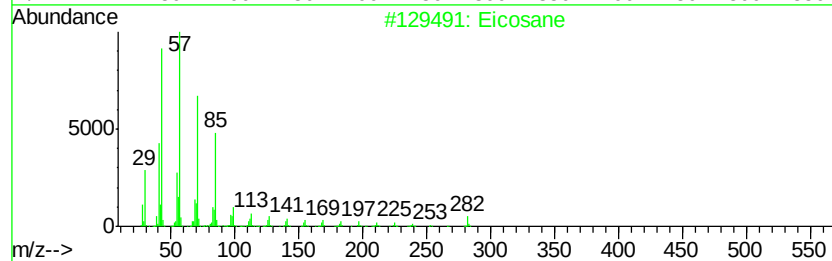
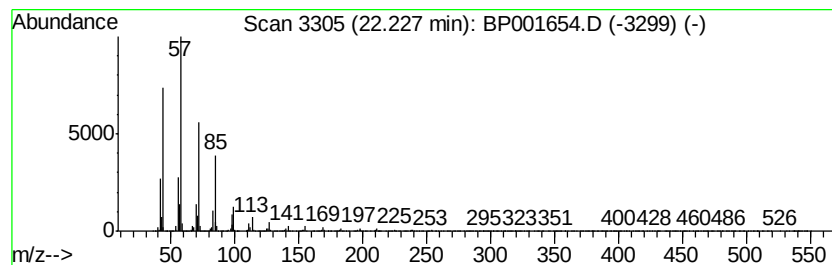
Instrument :  
BNA\_P  
ClientSampleId :  
SB-28-(4-6)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 9 Eicosane Concentration Rank 7

| R.T.    | EstConc                      | Area         | Relative to ISTD | R.T.           |
|---------|------------------------------|--------------|------------------|----------------|
| 22.23   | 11.63 ng                     | 586592       | Chrysene-d12     | 21.15          |
| Hit# of | 5                            | Tentative ID | MW MolForm       | CAS# Qual      |
| 1       | Eicosane                     |              | 282 C20H42       | 000112-95-8 95 |
| 2       | Heptadecane, 9-hexyl-        |              | 324 C23H48       | 055124-79-3 93 |
| 3       | Hentriacontane               |              | 437 C31H64       | 000630-04-6 91 |
| 4       | Eicosane, 7-hexyl-           |              | 366 C26H54       | 055333-99-8 91 |
| 5       | Dodecane, 2-methyl-6-propyl- |              | 226 C16H34       | 055045-08-4 91 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011720\  
Data File : BP001654.D  
Acq On : 17 Jan 2020 13:24  
Operator : JU  
Sample : L1148-07  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SB-28-(4-6)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

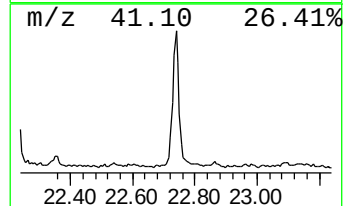
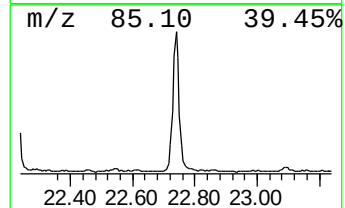
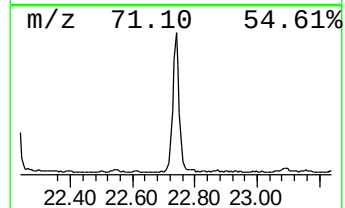
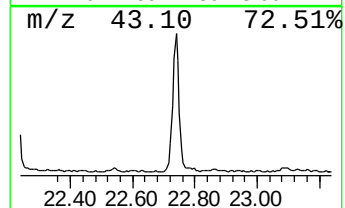
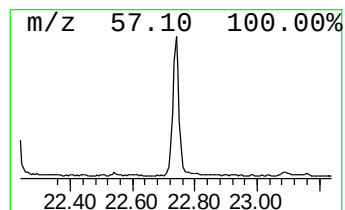
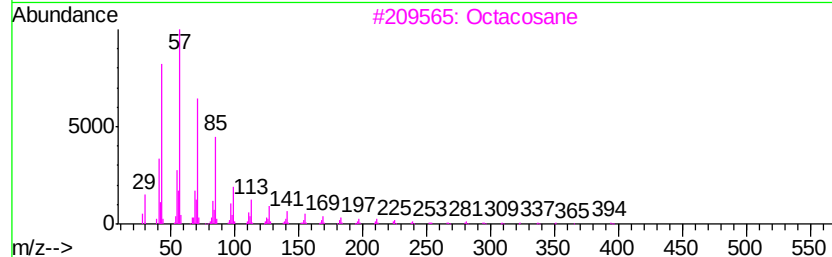
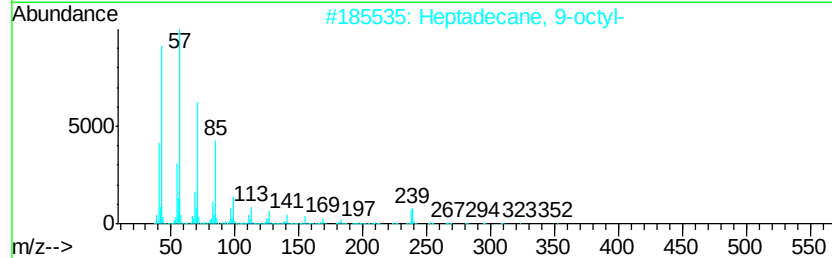
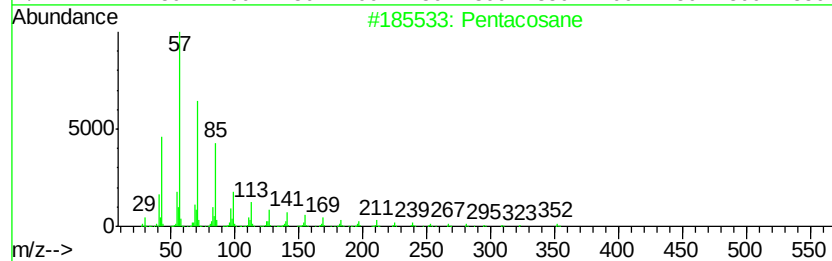
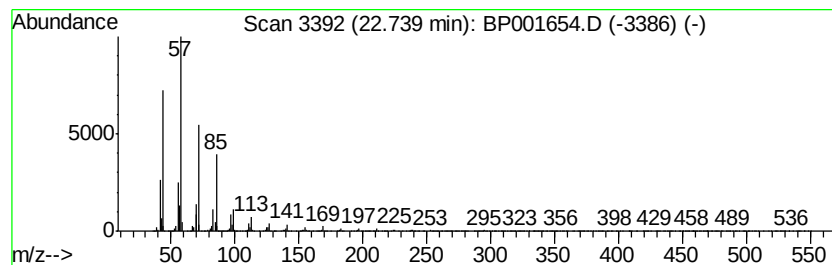
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 10 Pentacosane Concentration Rank 5

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 22.74 | 15.26 ng | 622810 | Perylene-d12     | 23.38 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------|-----|---------|-------------|------|
| 1    | 5  | Pentacosane            | 352 | C25H52  | 000629-99-2 | 96   |
| 2    |    | Heptadecane, 9-octyl-  | 352 | C25H52  | 007225-64-1 | 96   |
| 3    |    | Octacosane             | 394 | C28H58  | 000630-02-4 | 94   |
| 4    |    | Heptadecane, 9-hexyl-  | 324 | C23H48  | 055124-79-3 | 93   |
| 5    |    | Heneicosane, 11-decyl- | 437 | C31H64  | 055320-06-4 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011720\  
 Data File : BP001654.D  
 Acq On : 17 Jan 2020 13:24  
 Operator : JU  
 Sample : L1148-07  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SB-28-(4-6)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010820.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

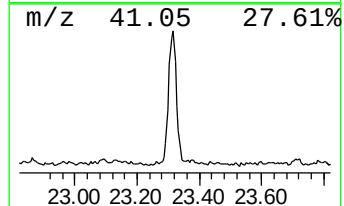
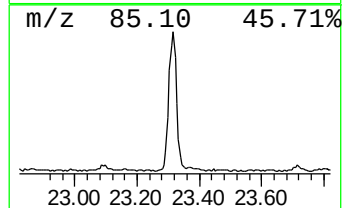
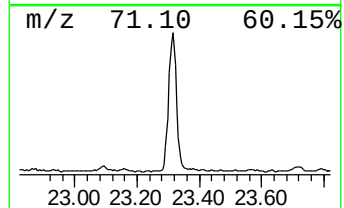
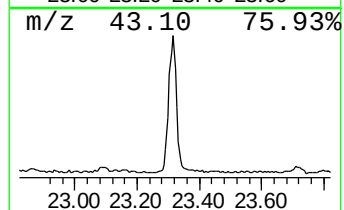
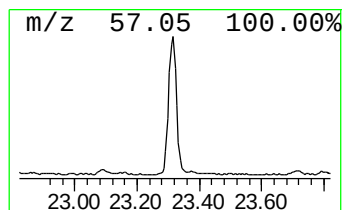
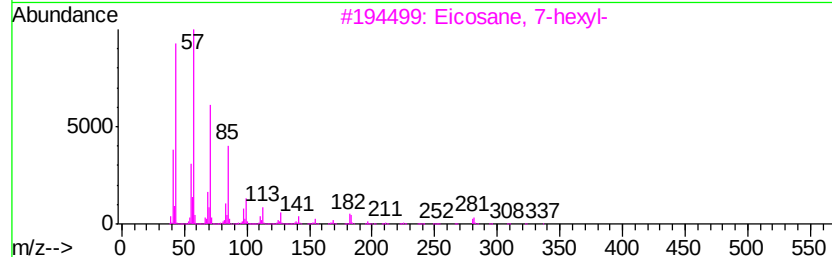
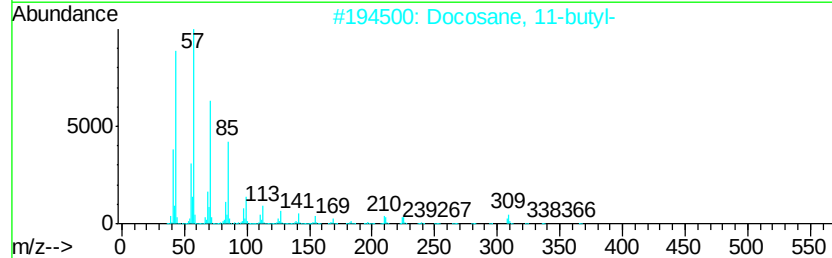
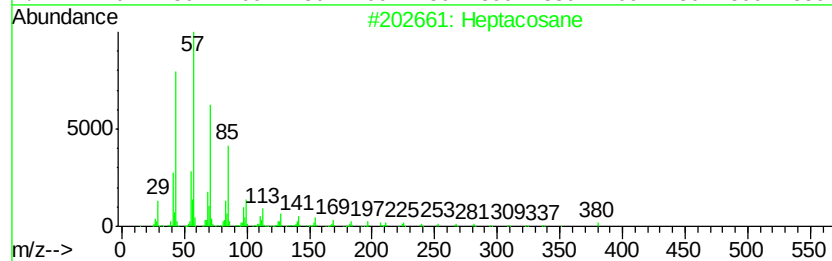
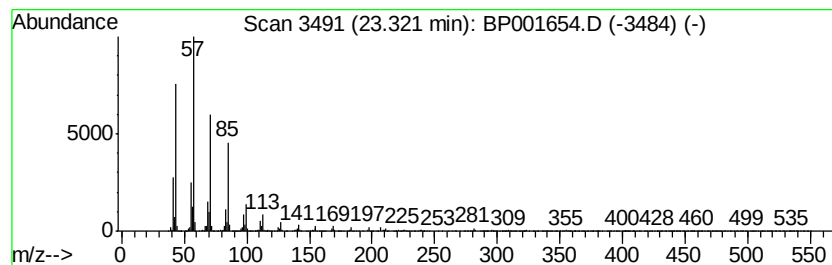
TIC Library : C:\DATABASE\NIST11.L  
 TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
 Peak Number 11 Heptacosane Concentration Rank 6

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 23.32 | 12.95 ng | 528375 | Perylene-d12     | 23.38 |

| Hit# | of | Tentative ID        | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------|-----|---------|-------------|------|
| 1    | 5  | Heptacosane         | 380 | C27H56  | 000593-49-7 | 98   |
| 2    |    | Docosane, 11-butyl- | 366 | C26H54  | 013475-76-8 | 95   |
| 3    |    | Eicosane, 7-hexyl-  | 366 | C26H54  | 055333-99-8 | 91   |
| 4    |    | Heneicosane         | 296 | C21H44  | 000629-94-7 | 91   |
| 5    |    | Octacosane          | 394 | C28H58  | 000630-02-4 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011720\  
Data File : BP001654.D  
Acq On : 17 Jan 2020 13:24  
Operator : JU  
Sample : L1148-07  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SB-28-(4-6)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

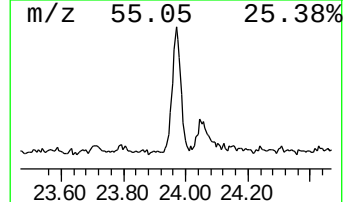
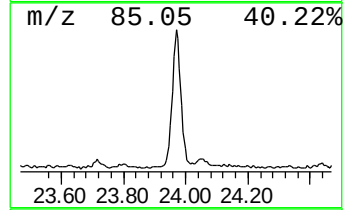
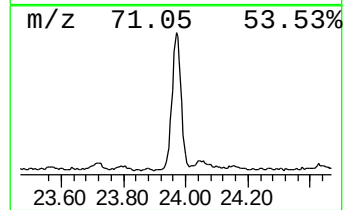
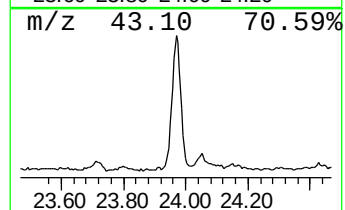
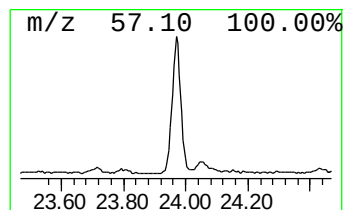
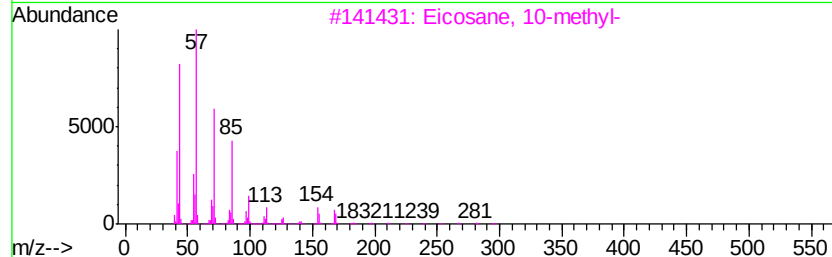
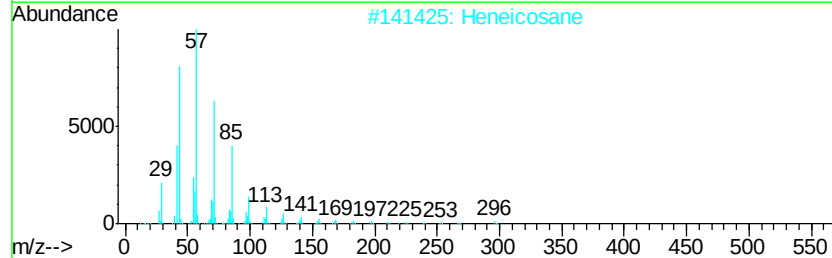
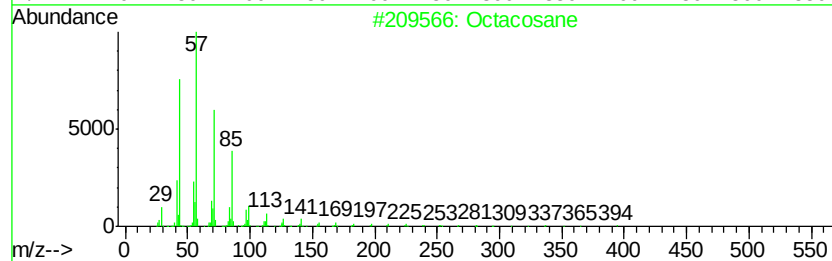
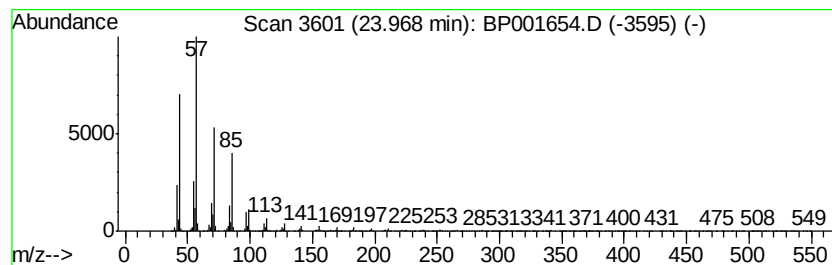
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 12 Octacosane Concentration Rank 10

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 23.97 | 9.53 ng | 388886 | Perylene-d12     | 23.38 |

| Hit# | of | 5 | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------|-----|---------|-------------|------|
| 1    |    |   | Octacosane            | 394 | C28H58  | 000630-02-4 | 98   |
| 2    |    |   | Heneicosane           | 296 | C21H44  | 000629-94-7 | 95   |
| 3    |    |   | Eicosane, 10-methyl-  | 296 | C21H44  | 054833-23-7 | 93   |
| 4    |    |   | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1 | 93   |
| 5    |    |   | Eicosane, 3-methyl-   | 296 | C21H44  | 006418-46-8 | 93   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011720\  
Data File : BP001654.D  
Acq On : 17 Jan 2020 13:24  
Operator : JU  
Sample : L1148-07  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SB-28-(4-6)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

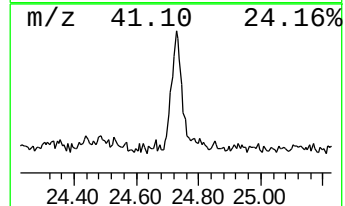
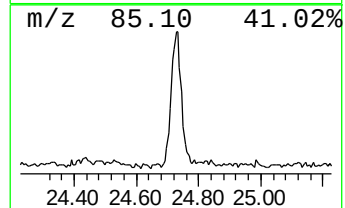
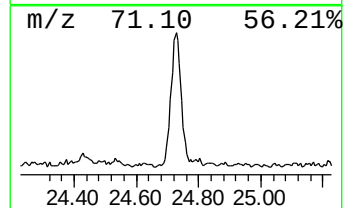
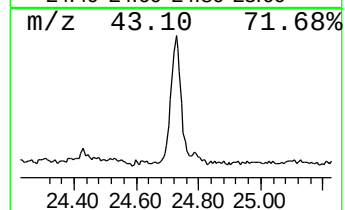
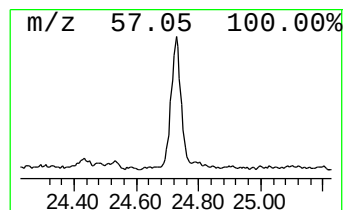
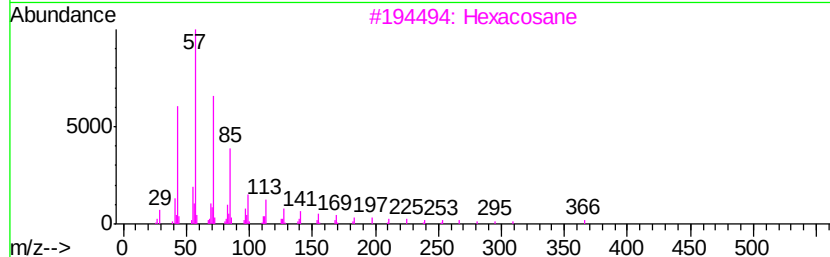
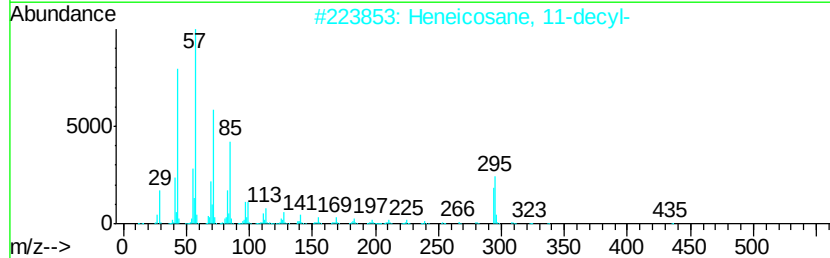
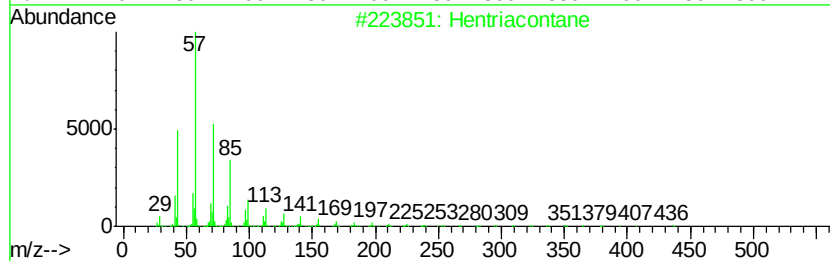
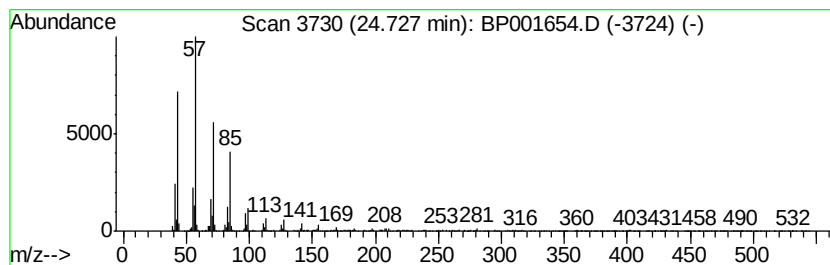
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 13 Hentriacontane Concentration Rank 11

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 24.73 | 5.00 ng | 204029 | Perylene-d12     | 23.38 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------|-----|---------|-------------|------|
| 1    | 5  | Hentriacontane         | 437 | C31H64  | 000630-04-6 | 98   |
| 2    |    | Heneicosane, 11-decyl- | 437 | C31H64  | 055320-06-4 | 93   |
| 3    |    | Hexacosane             | 366 | C26H54  | 000630-01-3 | 93   |
| 4    |    | Octacosane             | 394 | C28H58  | 000630-02-4 | 90   |
| 5    |    | Hexatriacontane        | 507 | C36H74  | 000630-06-8 | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_P\DATA\BP011720\  
 Data File : BP001654.D  
 Acq On : 17 Jan 2020 13:24  
 Operator : JU  
 Sample : L1148-07  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SB-28-(4-6)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\8270-BP010820.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 |
| 1-Pentene, 2-methyl- | 2.86  | 2.9     | ng    | 53529    | 1                     | 7.63  | 370855  | 20.0 |
| Butane, 2-methoxy... | 2.94  | 19.4    | ng    | 359142   | 1                     | 7.63  | 370855  | 20.0 |
| 2-Pentanone, 4-hy... | 4.80  | 17.4    | ng    | 321697   | 1                     | 7.63  | 370855  | 20.0 |
| unknown7.18          | 7.18  | 86.2    | ng    | 1597840  | 1                     | 7.63  | 370855  | 20.0 |
| Heptadecyl triflu... | 20.89 | 9.7     | ng    | 490131   | 5                     | 21.15 | 1008990 | 20.0 |
| Hexacosane           | 21.32 | 4.8     | ng    | 240963   | 5                     | 21.15 | 1008990 | 20.0 |
| Hexatriacontane      | 21.76 | 9.6     | ng    | 483105   | 5                     | 21.15 | 1008990 | 20.0 |
| Eicosane             | 22.23 | 11.6    | ng    | 586592   | 5                     | 21.15 | 1008990 | 20.0 |
| Pentacosane          | 22.74 | 15.3    | ng    | 622810   | 6                     | 23.38 | 816324  | 20.0 |
| Heptacosane          | 23.32 | 12.9    | ng    | 528375   | 6                     | 23.38 | 816324  | 20.0 |
| Octacosane           | 23.97 | 9.5     | ng    | 388886   | 6                     | 23.38 | 816324  | 20.0 |
| Hentriacontane       | 24.73 | 5.0     | ng    | 204029   | 6                     | 23.38 | 816324  | 20.0 |