

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF112322\  
 Data File : BF131372.D  
 Acq On : 23 Nov 2022 21:06  
 Operator : CG\JU  
 Sample : N5642-08  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RIGHT-SIDE-FLATS-28

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-BF112122.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF131372.D\data.ms

| 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         | 2.316       | 32            | 39          | 45           | rBV      | 892664         | 1163235       | 45.67%          | 6.178%        |
| 2         | 5.187       | 522           | 527         | 535          | rVB      | 305145         | 377976        | 14.84%          | 2.008%        |
| 3         | 5.569       | 586           | 592         | 595          | rBV      | 2512209        | 2454665       | 96.37%          | 13.037%       |
| 4         | 6.569       | 755           | 762         | 765          | rBV      | 2185513        | 2434688       | 95.58%          | 12.931%       |
| 5         | 6.951       | 823           | 827         | 830          | rBV      | 953366         | 758075        | 29.76%          | 4.026%        |
| 6         | 7.516       | 917           | 923         | 926          | rBV      | 1625578        | 1561956       | 61.32%          | 8.296%        |
| 7         | 8.239       | 1041          | 1046        | 1049         | rBV      | 1196923        | 936719        | 36.77%          | 4.975%        |
| 8         | 9.322       | 1224          | 1230        | 1233         | rBV      | 3072722        | 2547243       | 100.00%         | 13.529%       |
| 9         | 10.004      | 1341          | 1346        | 1349         | rBV      | 1204246        | 970079        | 38.08%          | 5.152%        |
| 10        | 10.722      | 1463          | 1468        | 1472         | rVB      | 88953          | 71113         | 2.79%           | 0.378%        |
| 11        | 10.792      | 1476          | 1480        | 1484         | rBV      | 1431233        | 1323939       | 51.98%          | 7.032%        |
| 12        | 11.498      | 1596          | 1600        | 1604         | rBV      | 915850         | 799285        | 31.38%          | 4.245%        |
| 13        | 11.604      | 1613          | 1618        | 1620         | rVB2     | 28343          | 31695         | 1.24%           | 0.168%        |
| 14        | 12.021      | 1685          | 1689        | 1694         | rBV      | 138063         | 134824        | 5.29%           | 0.716%        |
| 15        | 12.810      | 1819          | 1823        | 1831         | rBV      | 40340          | 44798         | 1.76%           | 0.238%        |
| 16        | 13.092      | 1867          | 1871        | 1875         | rBV      | 1904086        | 1643181       | 64.51%          | 8.727%        |
| 17        | 13.998      | 2022          | 2025        | 2027         | rBV      | 37619          | 42744         | 1.68%           | 0.227%        |
| 18        | 14.157      | 2048          | 2052        | 2055         | rVB      | 626467         | 574441        | 22.55%          | 3.051%        |
| 19        | 14.251      | 2063          | 2068        | 2071         | rBV      | 52595          | 63493         | 2.49%           | 0.337%        |
| 20        | 14.621      | 2129          | 2131        | 2134         | rVB      | 36457          | 29575         | 1.16%           | 0.157%        |
| 21        | 14.951      | 2184          | 2187        | 2191         | rVB2     | 36472          | 35041         | 1.38%           | 0.186%        |
| 22        | 15.033      | 2198          | 2201        | 2206         | rVB2     | 45273          | 52715         | 2.07%           | 0.280%        |
| 23        | 15.315      | 2245          | 2249        | 2255         | rVB      | 43161          | 55632         | 2.18%           | 0.295%        |
| 24        | 15.692      | 2307          | 2313        | 2317         | rBV      | 409577         | 550742        | 21.62%          | 2.925%        |
| 25        | 15.727      | 2317          | 2319        | 2324         | rVB2     | 43879          | 49667         | 1.95%           | 0.264%        |
| 26        | 16.198      | 2395          | 2399        | 2405         | rBV      | 37651          | 61027         | 2.40%           | 0.324%        |
| 27        | 16.751      | 2488          | 2493        | 2500         | rBV2     | 30495          | 59438         | 2.33%           | 0.316%        |

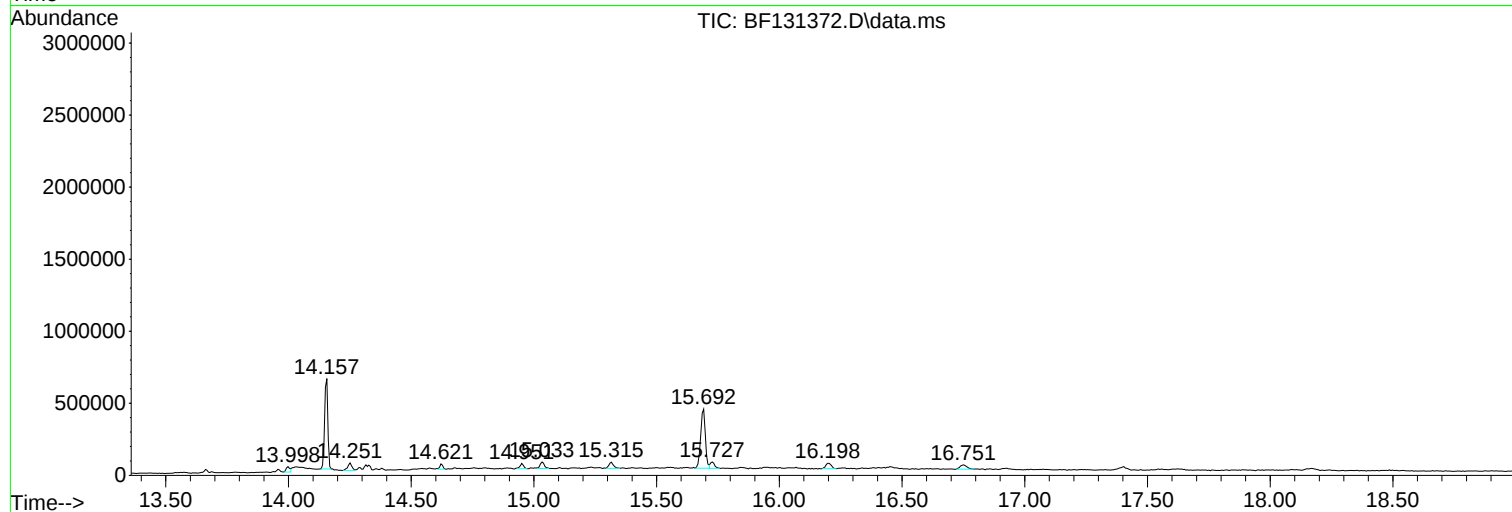
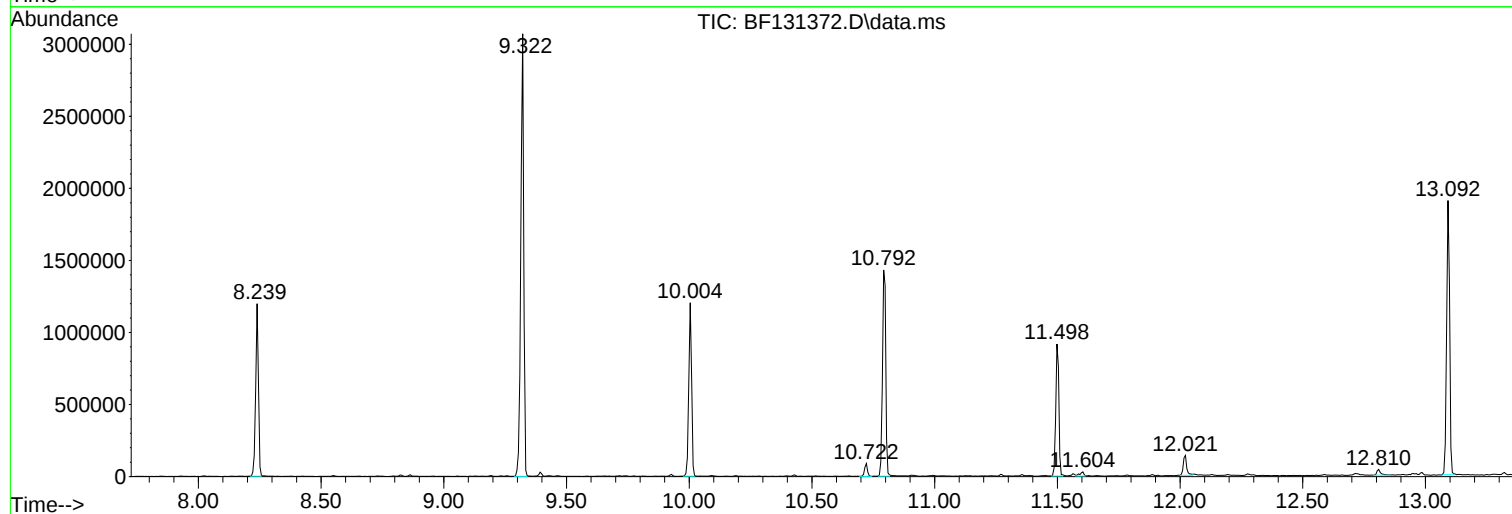
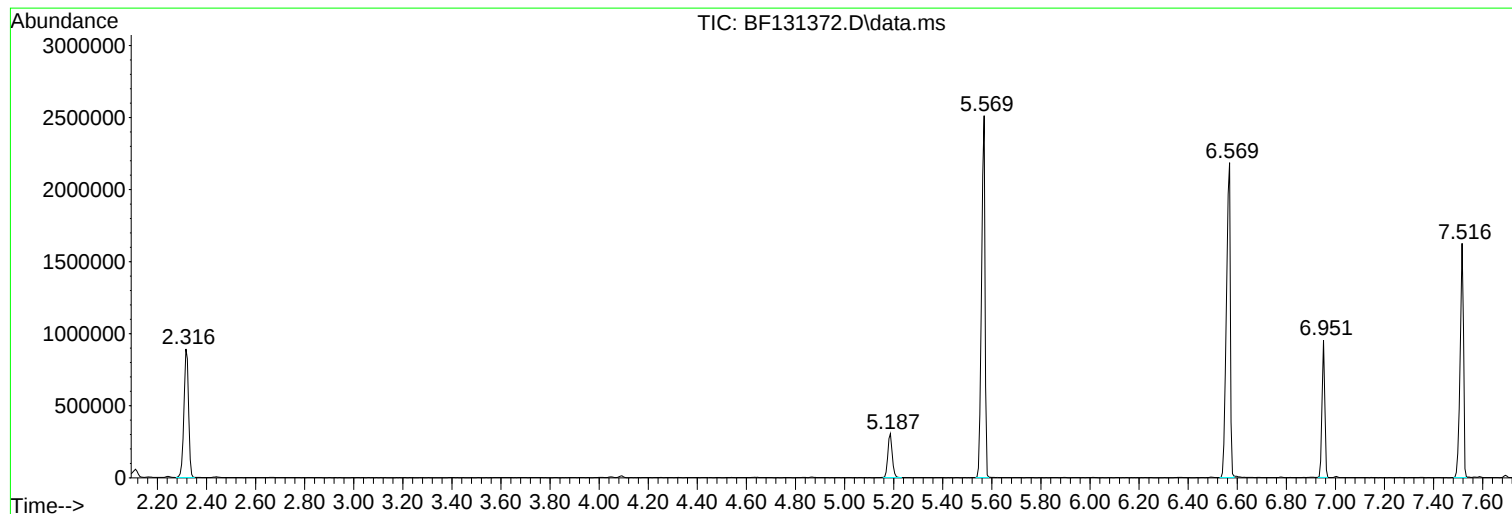
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Instrument :  
BNA\_F  
ClientSampleId :  
RIGHT-SIDE-FLATS-28

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112122.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P



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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

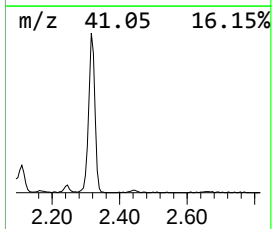
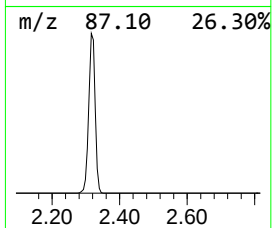
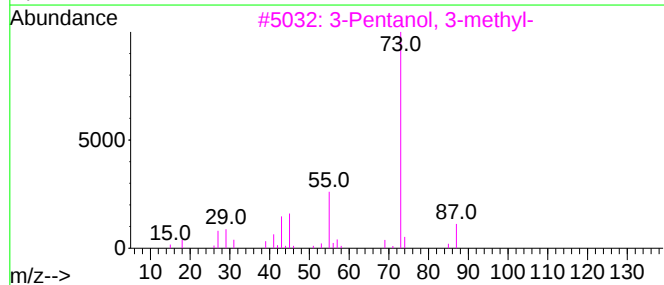
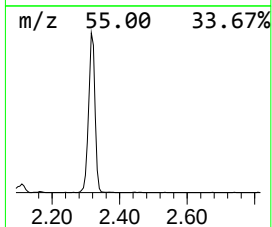
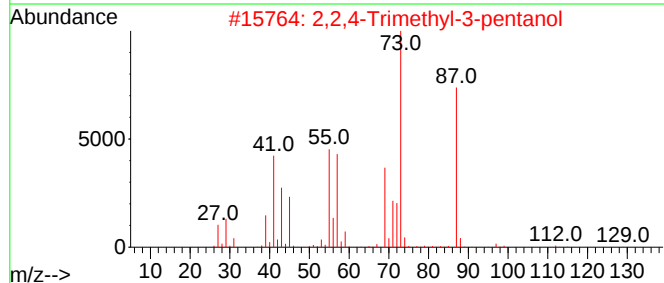
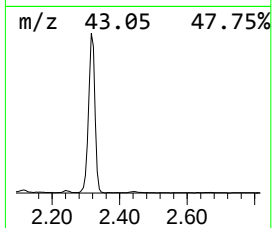
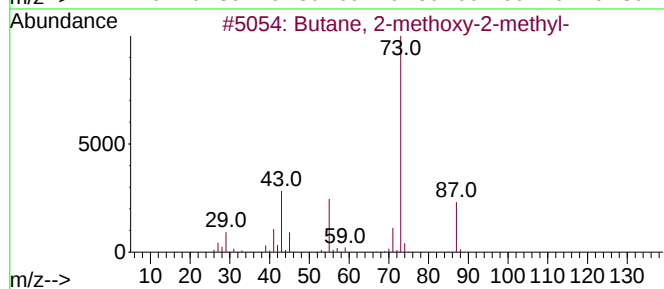
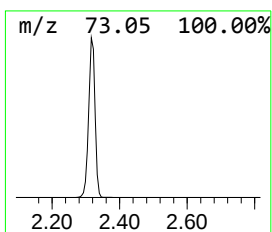
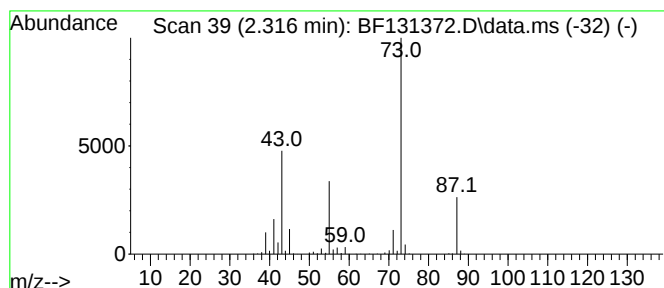
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc  | Area    | Relative to ISTD       | R.T.  |
|-------|----------|---------|------------------------|-------|
| 2.316 | 30.69 ng | 1163240 | 1,4-Dichlorobenzene-d4 | 6.951 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | 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    |    |   | 3-Pentanol, 3-methyl-       | 102 | C6H14O  | 000077-74-7 | 23   |
| 4    |    |   | Silane, tetramethyl-        | 88  | C4H12Si | 000075-76-3 | 17   |
| 5    |    |   | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 12   |



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ClientSampleId :  
RIGHT-SIDE-FLATS-28

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112122.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

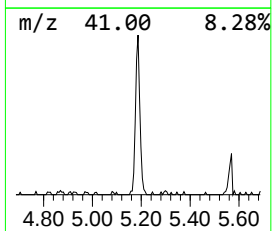
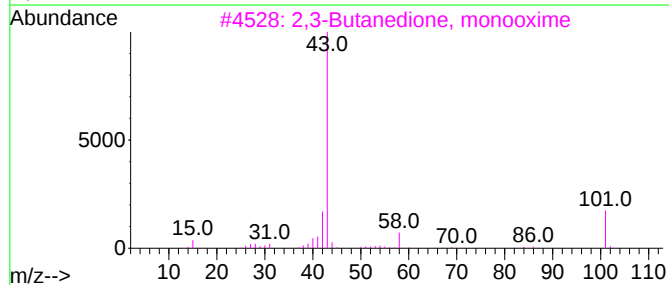
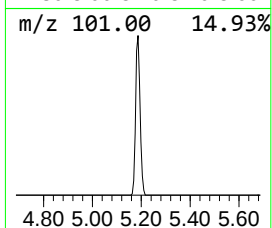
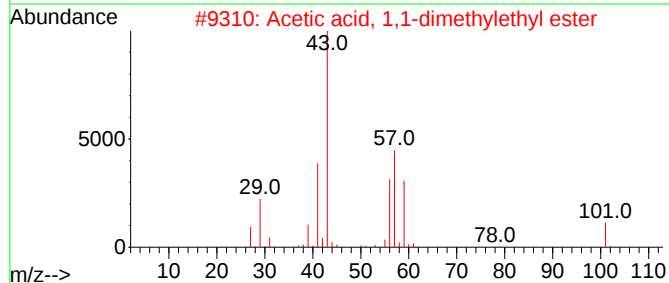
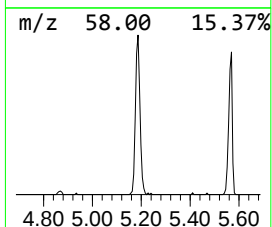
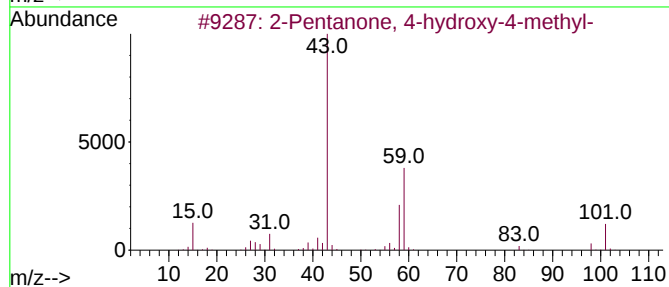
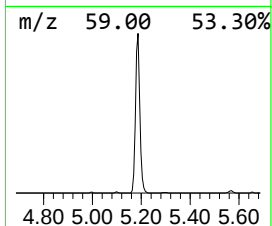
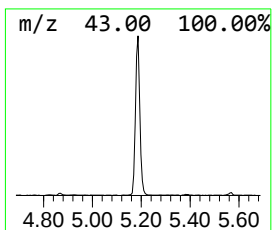
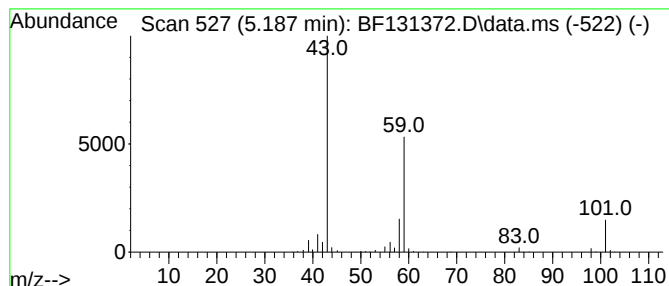
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc | Area   | Relative to ISTD       | R.T.  |
|-------|---------|--------|------------------------|-------|
| 5.187 | 9.97 ng | 377976 | 1,4-Dichlorobenzene-d4 | 6.951 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2 | 000123-42-2 | 64   |
| 2    |    |   | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 17   |
| 3    |    |   | 2,3-Butanedione, monooxime          | 101 | C4H7NO2 | 000057-71-6 | 16   |
| 4    |    |   | 1-Propen-2-ol, acetate              | 100 | C5H8O2  | 000108-22-5 | 12   |
| 5    |    |   | 1,2-Butanediol                      | 90  | C4H10O2 | 000584-03-2 | 9    |



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Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
RIGHT-SIDE-FLATS-28

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112122.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

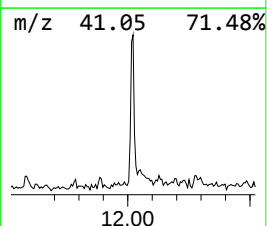
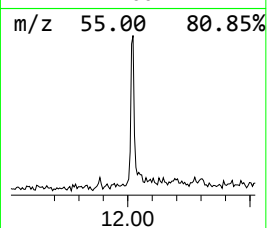
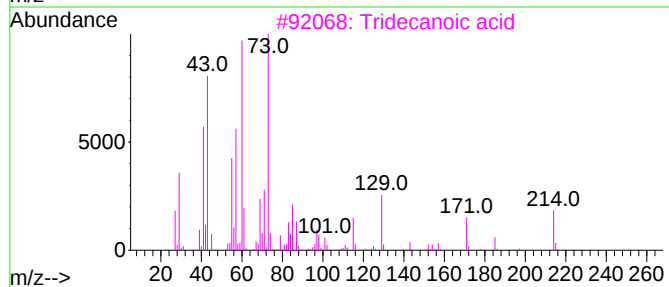
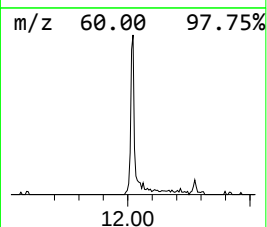
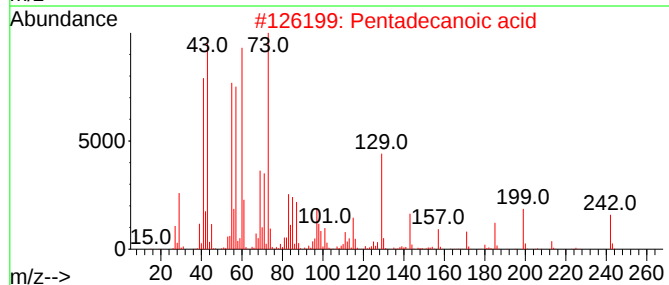
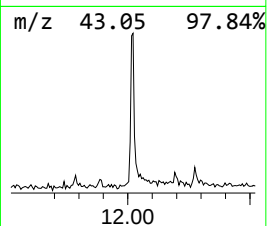
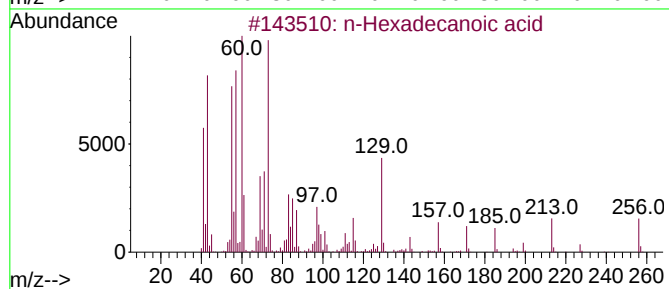
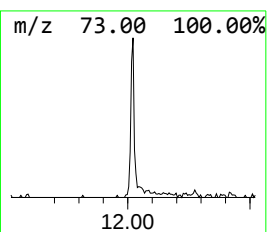
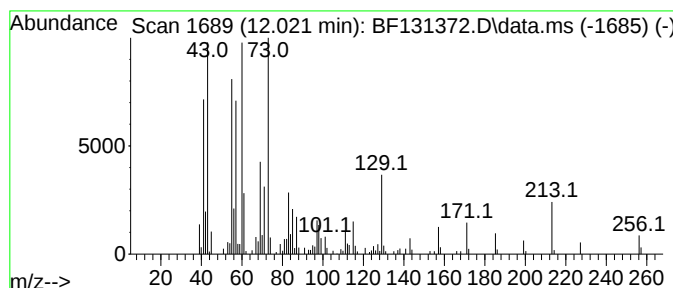
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 n-Hexadecanoic acid Concentration Rank 3

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 12.022 | 3.37 ng | 134824 | Phenanthrene-d10 | 11.498 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------|-----|----------|-------------|------|
| 1    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99   |
| 2    |    |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 76   |
| 3    |    |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 68   |
| 4    |    |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 64   |
| 5    |    |   | n-Decanoic acid     | 172 | C10H20O2 | 000334-48-5 | 60   |



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ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
RIGHT-SIDE-FLATS-28

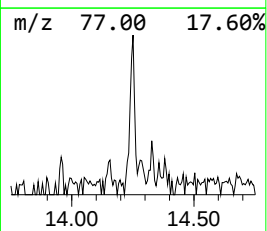
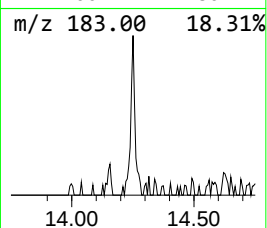
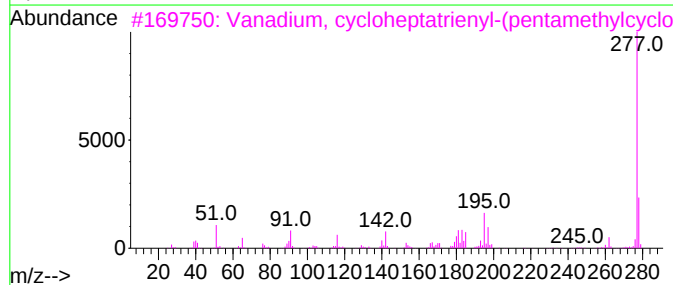
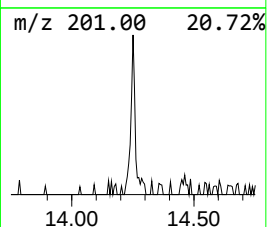
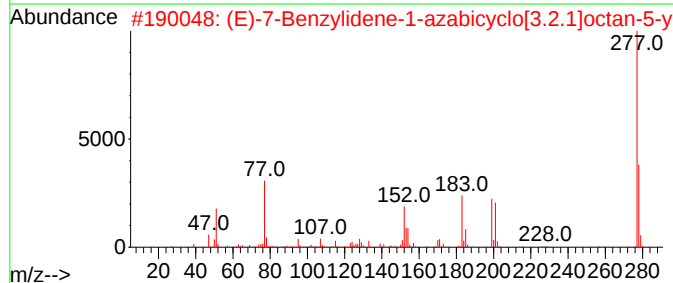
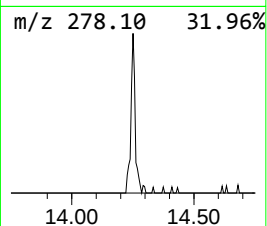
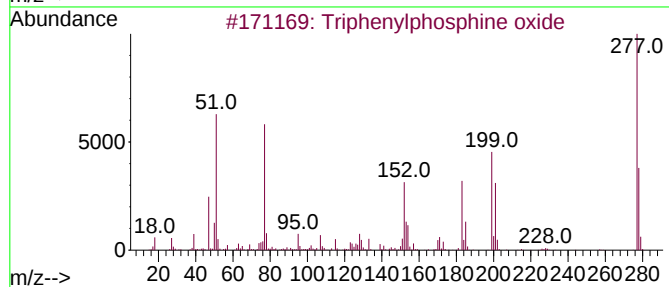
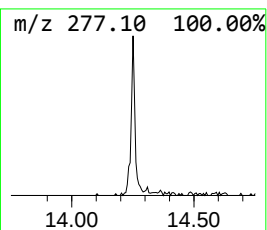
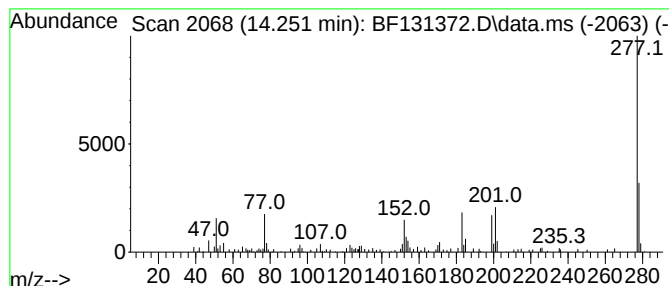
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112122.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
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Peak Number 4 Triphenylphosphine oxide Concentration Rank 5

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 14.251 | 2.21 ng | 63493 | Chrysene-d12     | 14.157 |

| Hit# | of | 5 | Tentative ID                         | MW  | MolForm    | CAS#         | Qual |
|------|----|---|--------------------------------------|-----|------------|--------------|------|
| 1    |    |   | Triphenylphosphine oxide             | 278 | C18H15OP   | 000791-28-6  | 91   |
| 2    |    |   | (E)-7-Benzylidene-1-azabicyclo[3...] | 293 | C15H19NO3S | 1000483-83-4 | 90   |
| 3    |    |   | Vanadium, cycloheptatrienyl-(pen...  | 277 | C17H22V    | 1000155-20-5 | 50   |
| 4    |    |   | 5-quinolinol, 8-[2-(3,5-dimethyl...  | 277 | C17H15N3O  | 1000397-10-2 | 50   |
| 5    |    |   | Formaldehyde, (triphenylphosphor...  | 304 | C19H17N2P  | 015990-54-2  | 39   |



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RIGHT-SIDE-FLATS-28

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112122.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

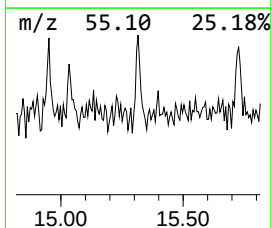
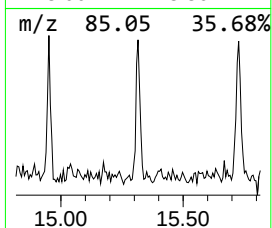
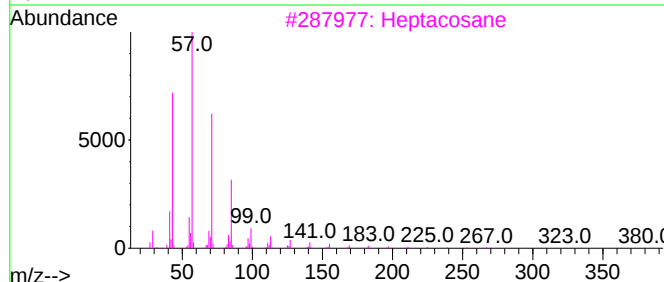
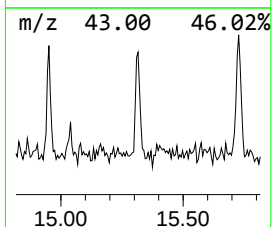
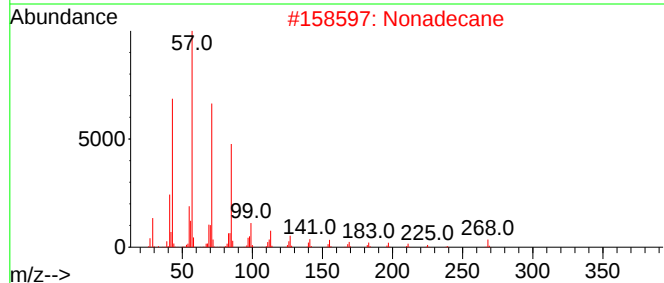
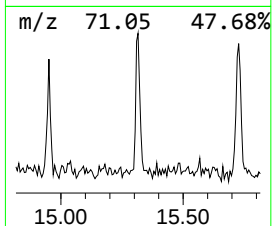
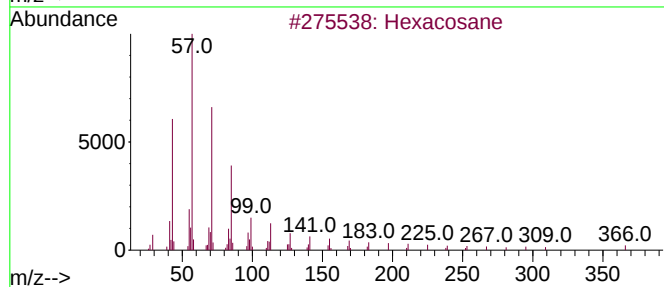
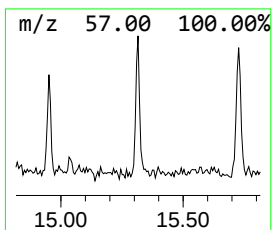
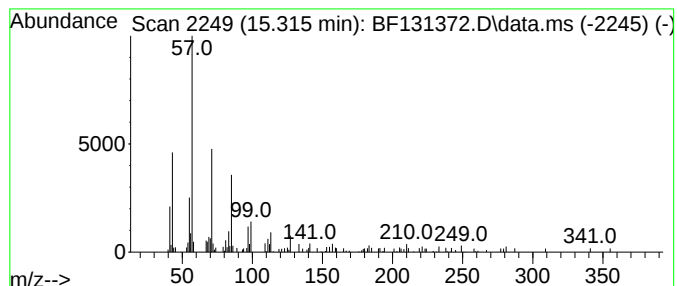
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Hexacosane Concentration Rank 7

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 15.315 | 2.02 ng | 55632 | Perylene-d12     | 15.692 |

| Hit# | of | 5 | Tentative ID           | MW  | MolForm | CAS#         | Qual |
|------|----|---|------------------------|-----|---------|--------------|------|
| 1    |    |   | Hexacosane             | 366 | C26H54  | 000630-01-3  | 78   |
| 2    |    |   | Nonadecane             | 268 | C19H40  | 000629-92-5  | 72   |
| 3    |    |   | Heptacosane            | 380 | C27H56  | 000593-49-7  | 72   |
| 4    |    |   | Dotriacontane, 1-iodo- | 576 | C32H65I | 1000406-32-4 | 72   |
| 5    |    |   | Tetratetracontane      | 619 | C44H90  | 007098-22-8  | 72   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF112322\  
Data File : BF131372.D  
Acq On : 23 Nov 2022 21:06  
Operator : CG\JU  
Sample : N5642-08  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
RIGHT-SIDE-FLATS-28

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112122.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

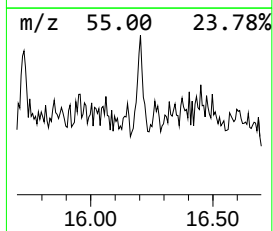
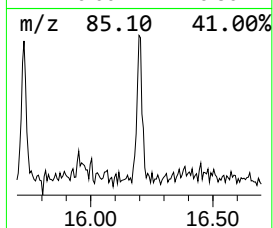
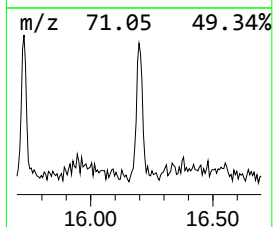
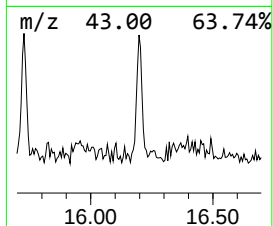
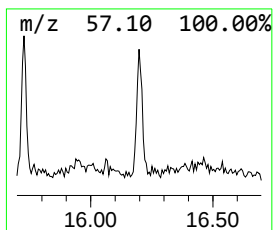
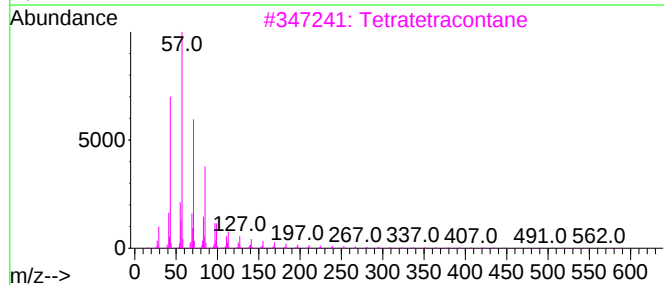
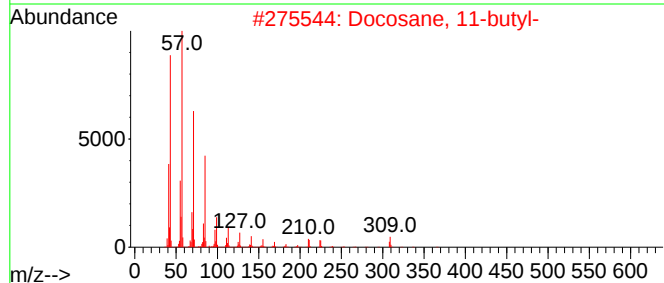
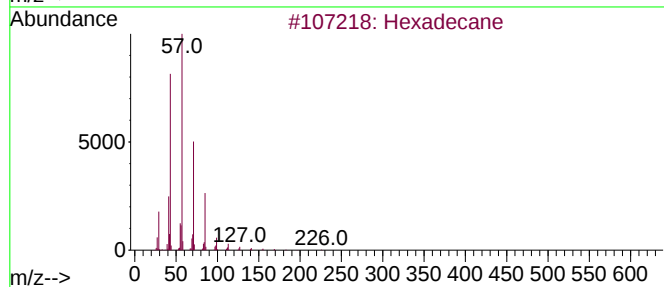
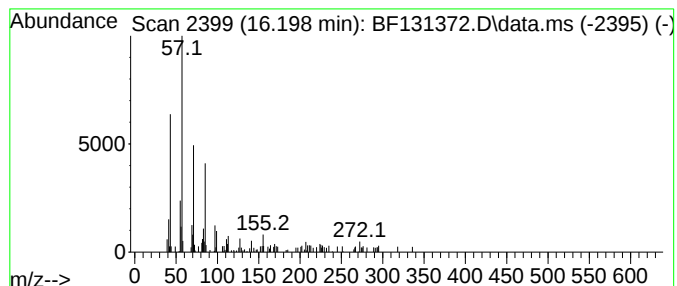
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Hexadecane Concentration Rank 4

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 16.198 | 2.22 ng | 61027 | Perylene-d12     | 15.692 |

| Hit# | of 5 | Tentative ID        | MW  | MolForm | CAS#        | Qual |
|------|------|---------------------|-----|---------|-------------|------|
| 1    |      | Hexadecane          | 226 | C16H34  | 000544-76-3 | 90   |
| 2    |      | Docosane, 11-butyl- | 366 | C26H54  | 013475-76-8 | 90   |
| 3    |      | Tetratetracontane   | 619 | C44H90  | 007098-22-8 | 83   |
| 4    |      | Octacosane          | 394 | C28H58  | 000630-02-4 | 83   |
| 5    |      | Docosane, 11-decyl- | 451 | C32H66  | 055401-55-3 | 74   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF112322\  
Data File : BF131372.D  
Acq On : 23 Nov 2022 21:06  
Operator : CG\JU  
Sample : N5642-08  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
RIGHT-SIDE-FLATS-28

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112122.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

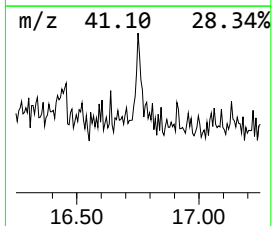
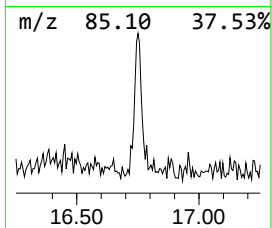
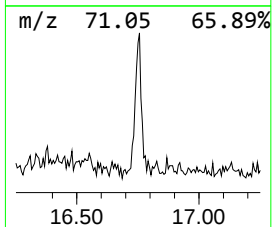
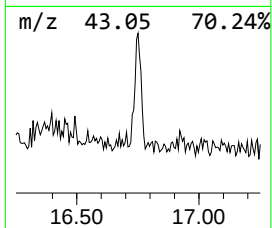
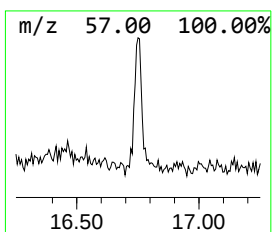
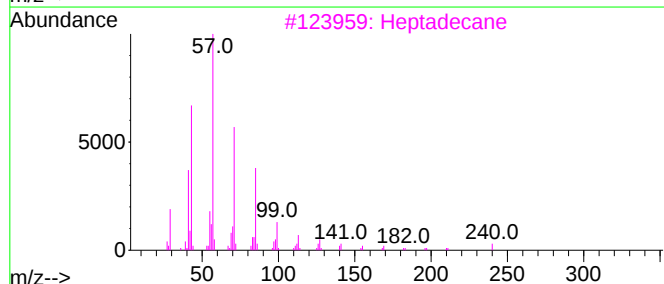
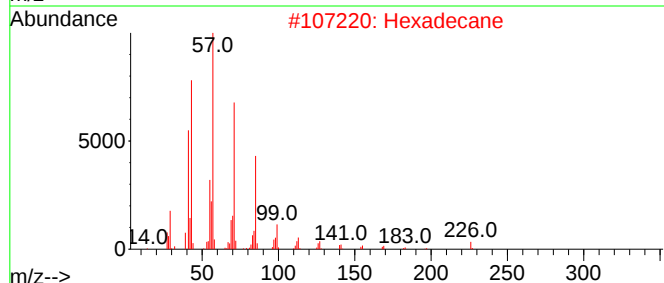
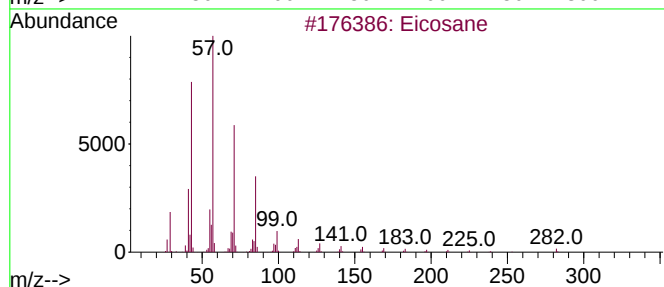
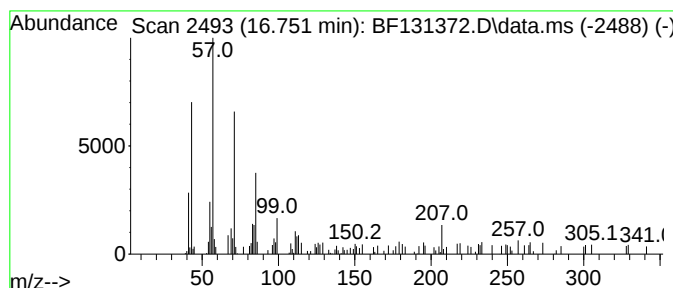
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Eicosane Concentration Rank 6

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 16.751 | 2.16 ng | 59438 | Perylene-d12     | 15.692 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------|-----|---------|-------------|------|
| 1    |    |   | Eicosane            | 282 | C20H42  | 000112-95-8 | 91   |
| 2    |    |   | Hexadecane          | 226 | C16H34  | 000544-76-3 | 78   |
| 3    |    |   | Heptadecane         | 240 | C17H36  | 000629-78-7 | 60   |
| 4    |    |   | Pentacosane         | 352 | C25H52  | 000629-99-2 | 49   |
| 5    |    |   | Docosane, 11-butyl- | 366 | C26H54  | 013475-76-8 | 49   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF112322\  
Data File : BF131372.D  
Acq On : 23 Nov 2022 21:06  
Operator : CG\JU  
Sample : N5642-08  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
RIGHT-SIDE-FLATS-28

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112122.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |        |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|--------|------|
|                    |        |         |       |          | #                     | RT     | Resp   | Conc |
| Butane, 2-metho... | 2.316  | 30.7    | ng    | 1163240  | 1                     | 6.951  | 758075 | 20.0 |
| 2-Pentanone, 4-... | 5.187  | 10.0    | ng    | 377976   | 1                     | 6.951  | 758075 | 20.0 |
| n-Hexadecanoic ... | 12.022 | 3.4     | ng    | 134824   | 4                     | 11.498 | 799285 | 20.0 |
| Triphenylphosph... | 14.251 | 2.2     | ng    | 63493    | 5                     | 14.157 | 574441 | 20.0 |
| Hexacosane         | 15.315 | 2.0     | ng    | 55632    | 6                     | 15.692 | 550742 | 20.0 |
| Hexadecane         | 16.198 | 2.2     | ng    | 61027    | 6                     | 15.692 | 550742 | 20.0 |
| Eicosane           | 16.751 | 2.2     | ng    | 59438    | 6                     | 15.692 | 550742 | 20.0 |