

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122618\  
 Data File : BN004216.D  
 Acq On : 26 Dec 2018 22:59  
 Operator : JU/SJ  
 Sample : J6489-14  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 F9F77

## Integration Parameters: LSCINT.P

Integrator: RTE  
 Smoothing : OFF  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 1 % 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\_N\METHODS\SOM-EPA-BN121218MA.M  
 Title : SVOA 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         | 6.993       | 676           | 681         | 688          | rBB      | 15587          | 22179         | 1.97%           | 0.251%        |
| 2         | 7.158       | 704           | 709         | 718          | rBB      | 65159          | 98579         | 8.74%           | 1.114%        |
| 3         | 7.352       | 737           | 742         | 750          | rBB      | 65524          | 102202        | 9.06%           | 1.155%        |
| 4         | 7.822       | 816           | 822         | 827          | rBV      | 85616          | 133421        | 11.83%          | 1.508%        |
| 5         | 7.863       | 827           | 829         | 835          | rVB      | 11571          | 14131         | 1.25%           | 0.160%        |
| 6         | 8.528       | 937           | 942         | 950          | rBB      | 54665          | 81867         | 7.26%           | 0.925%        |
| 7         | 8.916       | 1003          | 1008        | 1015         | rBB      | 28940          | 43603         | 3.87%           | 0.493%        |
| 8         | 8.993       | 1015          | 1021        | 1026         | rBV      | 86195          | 135981        | 12.05%          | 1.537%        |
| 9         | 9.710       | 1137          | 1143        | 1149         | rBB      | 72218          | 114989        | 10.19%          | 1.300%        |
| 10        | 10.246      | 1228          | 1234        | 1243         | rBV      | 106150         | 175130        | 15.53%          | 1.979%        |
| 11        | 10.522      | 1277          | 1281        | 1288         | rBB2     | 11722          | 18536         | 1.64%           | 0.210%        |
| 12        | 10.616      | 1291          | 1297        | 1304         | rBV      | 145271         | 235190        | 20.85%          | 2.658%        |
| 13        | 11.910      | 1513          | 1517        | 1521         | rBV      | 12878          | 18767         | 1.66%           | 0.212%        |
| 14        | 11.951      | 1521          | 1524        | 1530         | rVB      | 14887          | 21169         | 1.88%           | 0.239%        |
| 15        | 12.793      | 1662          | 1667        | 1680         | rBB      | 74725          | 107434        | 9.52%           | 1.214%        |
| 16        | 13.046      | 1705          | 1710        | 1716         | rBB      | 103593         | 138706        | 12.30%          | 1.568%        |
| 17        | 13.387      | 1763          | 1768        | 1781         | rBB      | 139188         | 210676        | 18.68%          | 2.381%        |
| 18        | 13.869      | 1844          | 1850        | 1860         | rBB      | 291126         | 395666        | 35.08%          | 4.472%        |
| 19        | 14.157      | 1893          | 1899        | 1905         | rBV      | 314623         | 435909        | 38.64%          | 4.927%        |
| 20        | 14.322      | 1923          | 1927        | 1932         | rBB      | 9183           | 11405         | 1.01%           | 0.129%        |
| 21        | 14.463      | 1945          | 1951        | 1958         | rBB2     | 245872         | 365065        | 32.36%          | 4.126%        |
| 22        | 14.698      | 1986          | 1991        | 2001         | rBB      | 13216          | 23522         | 2.09%           | 0.266%        |
| 23        | 15.457      | 2114          | 2120        | 2129         | rBB      | 446193         | 614123        | 54.44%          | 6.941%        |
| 24        | 15.592      | 2138          | 2143        | 2152         | rBB      | 144965         | 187596        | 16.63%          | 2.120%        |
| 25        | 17.210      | 2412          | 2418        | 2424         | rBV      | 344968         | 468437        | 41.53%          | 5.295%        |
| 26        | 17.310      | 2428          | 2435        | 2441         | rBV      | 536479         | 739686        | 65.57%          | 8.360%        |
| 27        | 17.857      | 2523          | 2528        | 2532         | rBB      | 105898         | 118088        | 10.47%          | 1.335%        |
| 28        | 19.604      | 2819          | 2825        | 2835         | rBV      | 675095         | 909297        | 80.61%          | 10.277%       |
| 29        | 21.398      | 3124          | 3130        | 3137         | rBV      | 516722         | 659053        | 58.42%          | 7.449%        |
| 30        | 21.945      | 3219          | 3223        | 3228         | rBV2     | 12235          | 16555         | 1.47%           | 0.187%        |
| 31        | 22.422      | 3300          | 3304        | 3314         | rVB      | 25862          | 37580         | 3.33%           | 0.425%        |
| 32        | 22.939      | 3387          | 3392        | 3397         | rVB2     | 39115          | 56766         | 5.03%           | 0.642%        |
| 33        | 23.521      | 3486          | 3491        | 3493         | rBV      | 41646          | 66282         | 5.88%           | 0.749%        |
| 34        | 23.569      | 3493          | 3499        | 3511         | rVB      | 587830         | 1128037       | 100.00%         | 12.750%       |

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Sample : J6489-14  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F9F77

Integration Parameters: LSCINT.P  
Integrator: RTE  
Smoothing : OFF Filtering: 5  
Sampling : 1 Min Area: 1 % 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\_N\METHODS\SOM-EPA-BN121218MA.M  
Title : SVOA CALIBRATION

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 35 | 23.716 | 3517 | 3524 | 3534 | rVB2 | 378904 | 715170 | 63.40% | 8.083% |
| 36 | 24.180 | 3597 | 3603 | 3610 | rBV  | 43910  | 85028  | 7.54%  | 0.961% |
| 37 | 24.951 | 3728 | 3734 | 3742 | rVB  | 39219  | 83214  | 7.38%  | 0.941% |
| 38 | 25.851 | 3881 | 3887 | 3897 | rVB2 | 25277  | 58486  | 5.18%  | 0.661% |

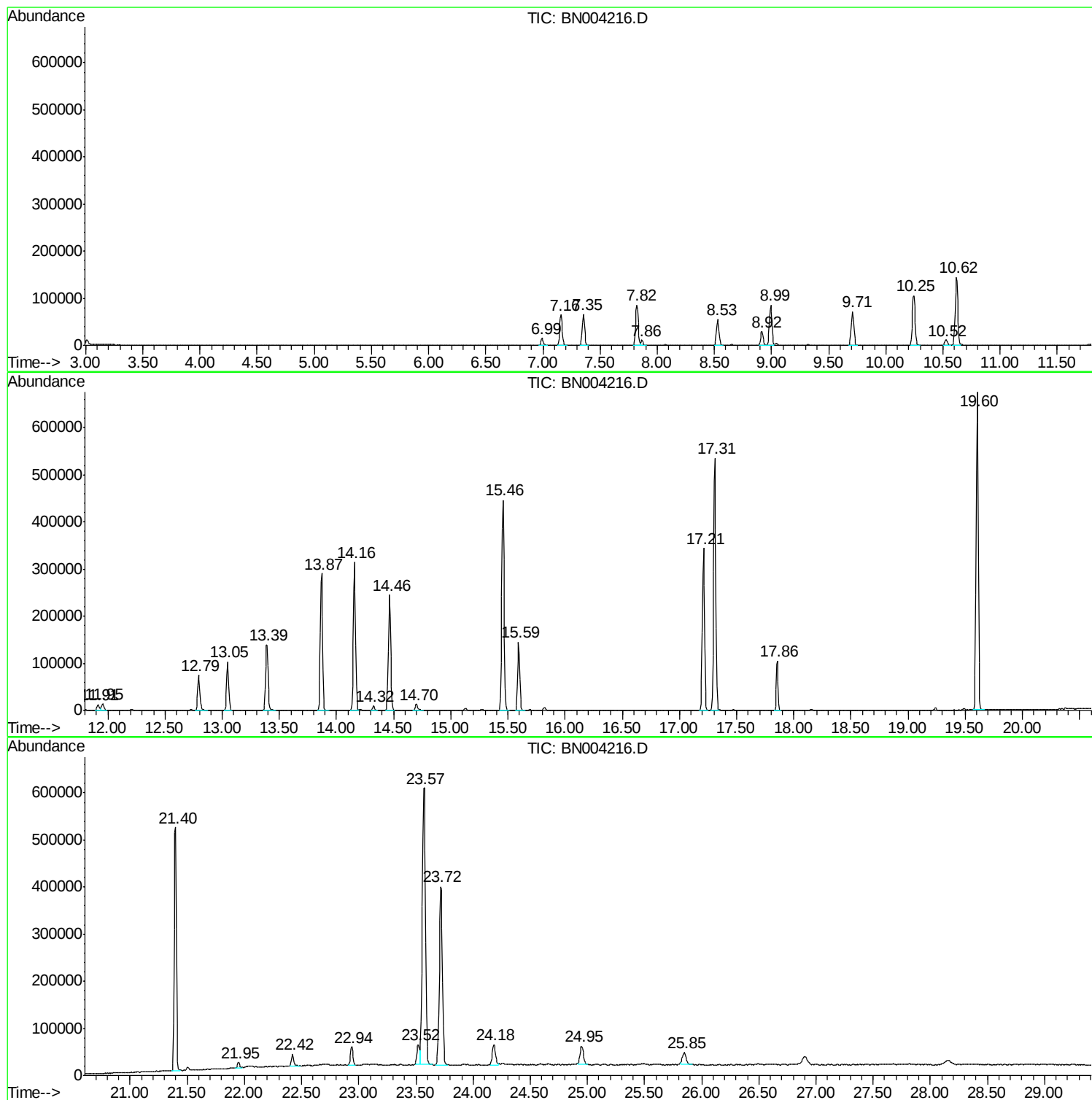
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN121218MA.M  
Quant Title : SVOA CALIBRATION

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



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN121218MA.M  
Quant Title : SVOA CALIBRATION

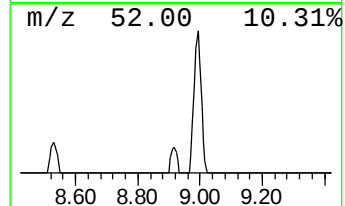
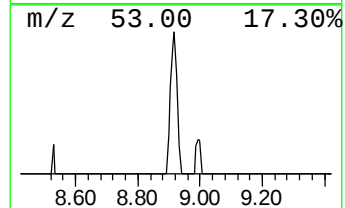
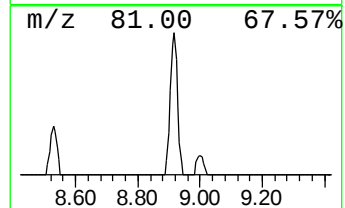
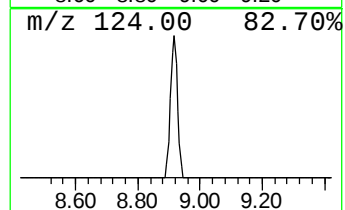
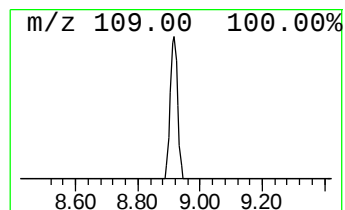
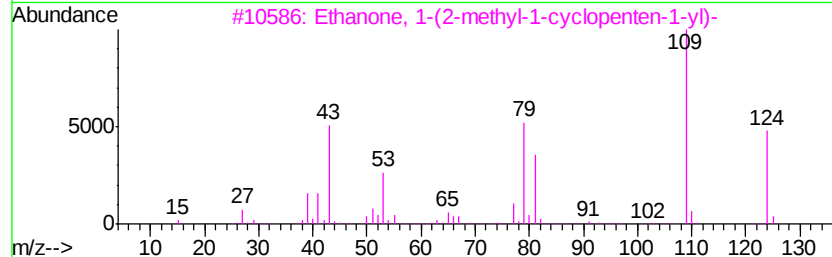
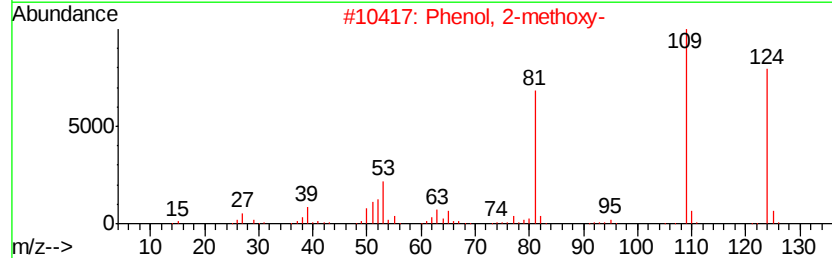
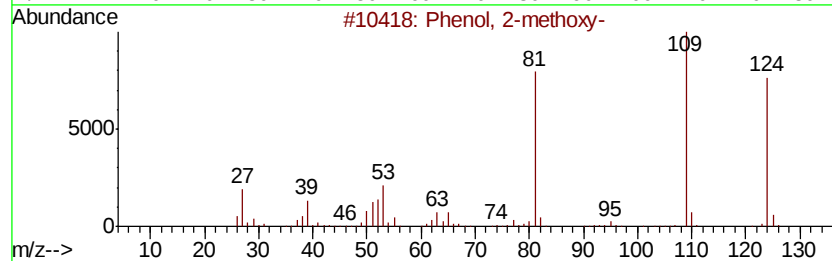
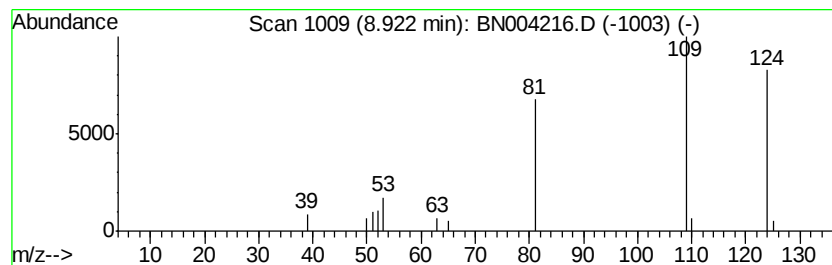
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 Phenol, 2-methoxy- Concentration Rank 3

| R.T. | EstConc    | Area  | Relative to ISTD       | R.T. |
|------|------------|-------|------------------------|------|
| 8.92 | 6.54 ng/ul | 43603 | 1,4-Dichlorobenzene-d4 | 7.82 |

| Hit# | of | 5 | Tentative ID                               | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Phenol, 2-methoxy-                         | 124 | C7H8O2  | 000090-05-1 | 91   |
| 2    |    |   | Phenol, 2-methoxy-                         | 124 | C7H8O2  | 000090-05-1 | 91   |
| 3    |    |   | Ethanone, 1-(2-methyl-1-cyclopenten-1-yl)- | 124 | C8H12O  | 003168-90-9 | 86   |
| 4    |    |   | Phenol, 2-methoxy-                         | 124 | C7H8O2  | 000090-05-1 | 86   |
| 5    |    |   | Mequinol                                   | 124 | C7H8O2  | 000150-76-5 | 86   |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN121218MA.M  
Quant Title : SVOA CALIBRATION

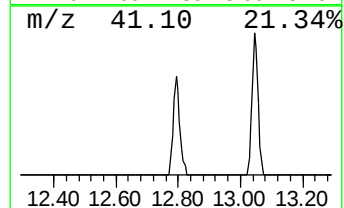
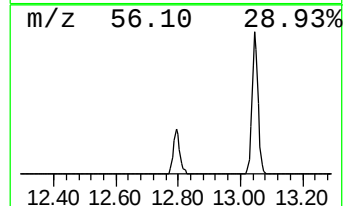
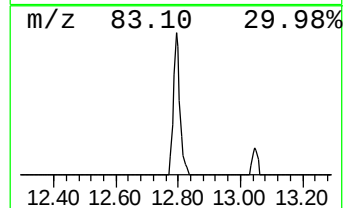
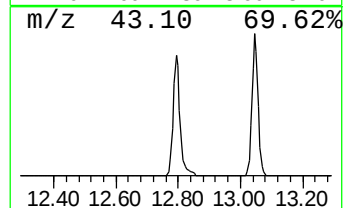
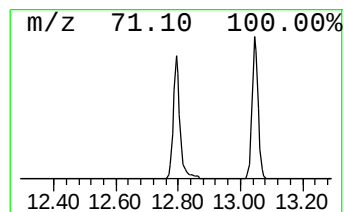
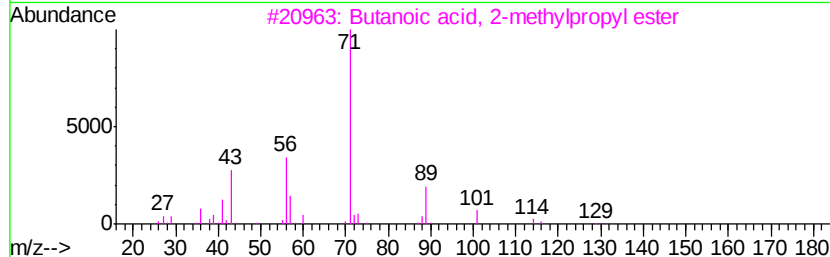
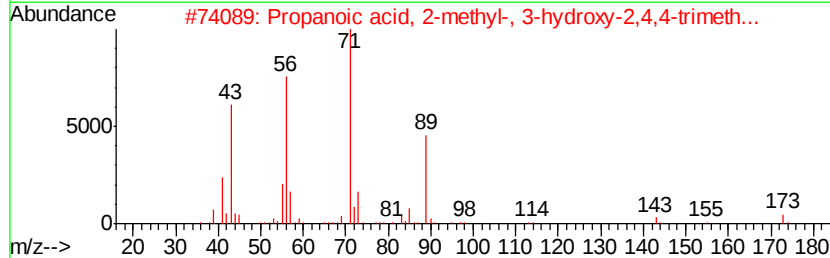
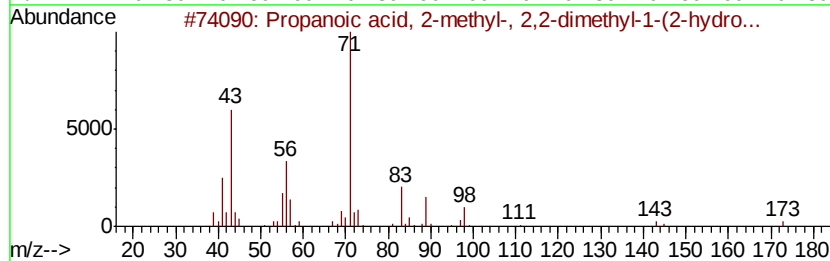
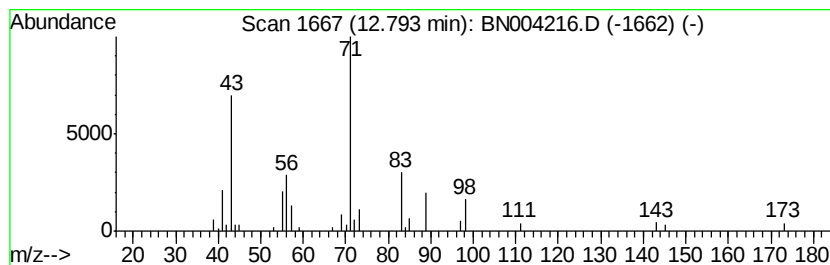
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 unknown-01 Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 12.79 | 5.89 ng/ul | 107434 | Acenaphthene-d10 | 14.46 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Propanoic acid, 2-methyl-, 2,2-d... | 216 | C12H24O3 | 074367-33-2 | 43   |
| 2    |    | Propanoic acid, 2-methyl-, 3-hyd... | 216 | C12H24O3 | 074367-34-3 | 43   |
| 3    |    | Butanoic acid, 2-methylpropyl ester | 144 | C8H16O2  | 000539-90-2 | 42   |
| 4    |    | Propanoic acid, 2-methyl-, 2-eth... | 286 | C16H30O4 | 074367-30-9 | 38   |
| 5    |    | 4,5-Octanedione                     | 142 | C8H14O2  | 005455-24-3 | 38   |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN121218MA.M  
Quant Title : SVOA CALIBRATION

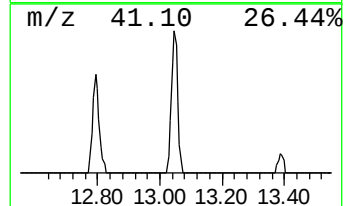
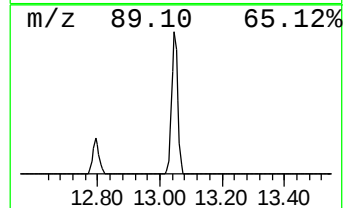
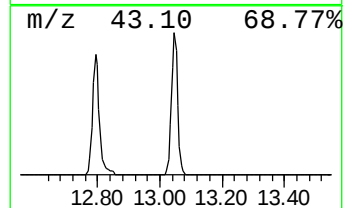
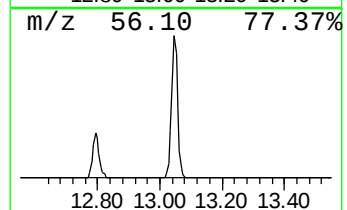
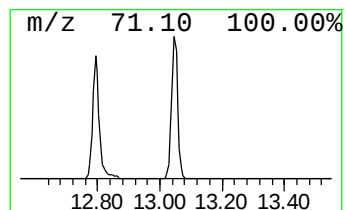
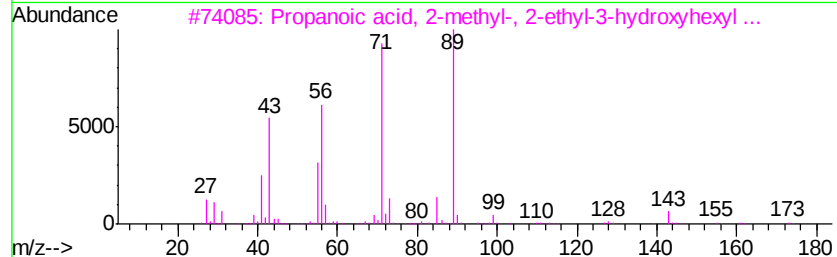
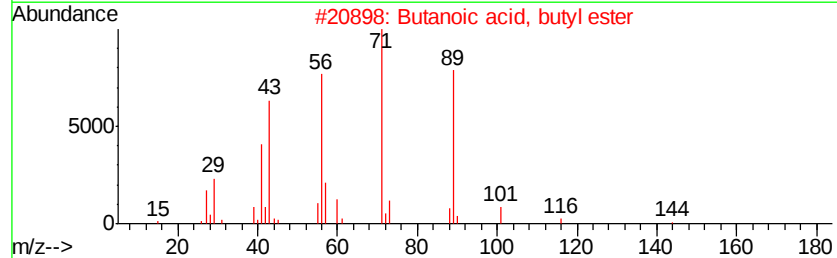
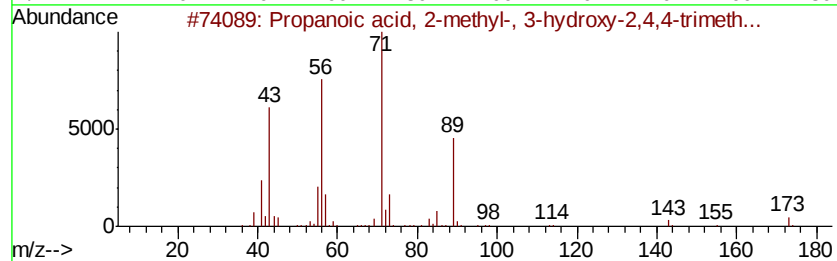
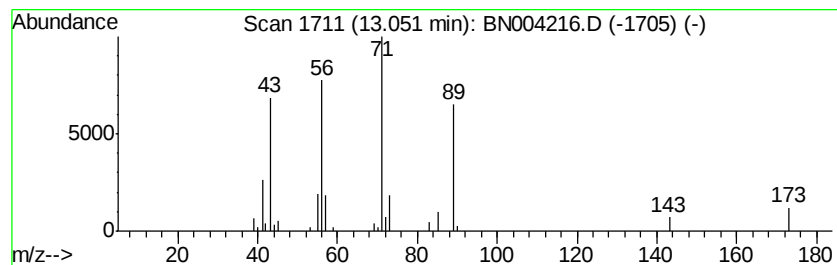
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 Propanoic acid, 2-methyl-, ... Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 13.05 | 7.60 ng/ul | 138706 | Acenaphthene-d10 | 14.46 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Propanoic acid, 2-methyl-, 3-hyd... | 216 | C12H24O3 | 074367-34-3 | 74   |
| 2    |    | Butanoic acid, butyl ester          | 144 | C8H16O2  | 000109-21-7 | 72   |
| 3    |    | Propanoic acid, 2-methyl-, 2-eth... | 216 | C12H24O3 | 074367-31-0 | 64   |
| 4    |    | Propanoic acid, 2-methyl-, 2-eth... | 216 | C12H24O3 | 074367-31-0 | 64   |
| 5    |    | Propanoic acid, 2-methyl-, 2-met... | 144 | C8H16O2  | 000097-85-8 | 50   |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN121218MA.M  
Quant Title : SVOA CALIBRATION

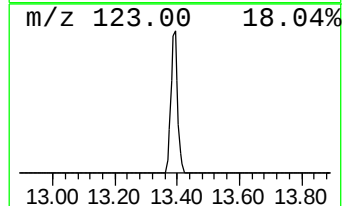
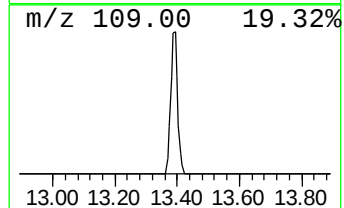
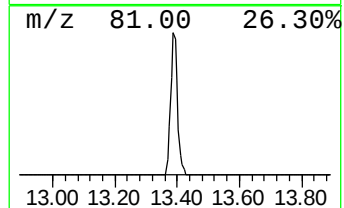
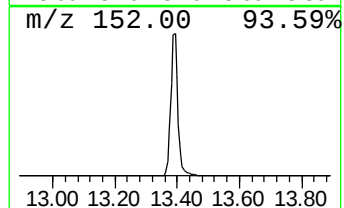
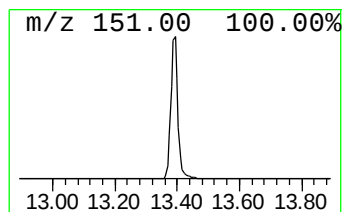
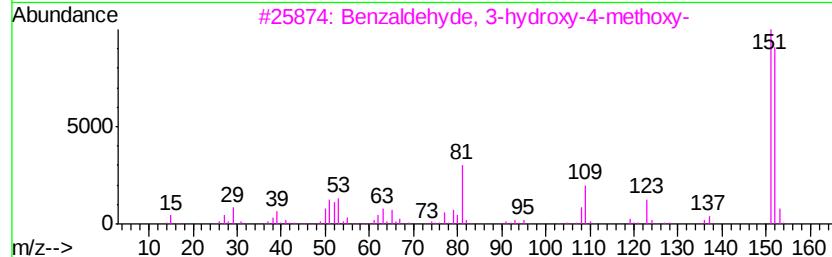
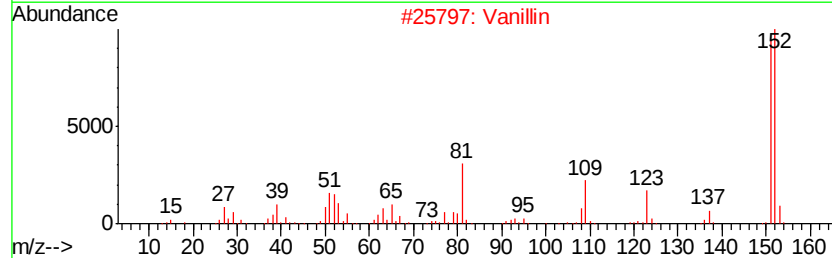
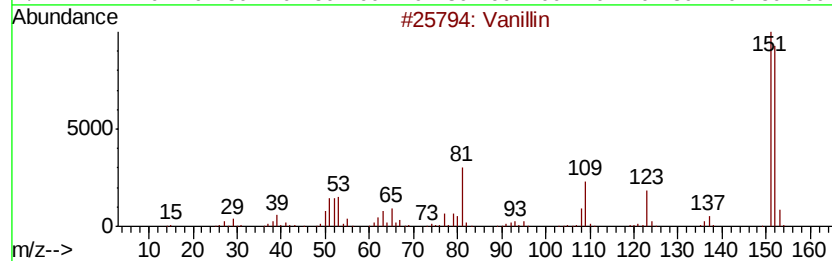
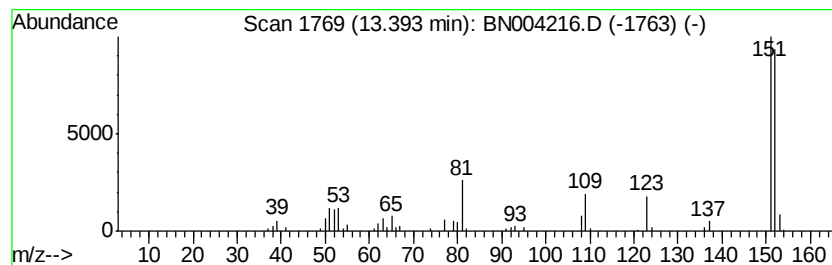
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Vanillin Concentration Rank 1

| R.T.  | EstConc     | Area   | Relative to ISTD | R.T.  |
|-------|-------------|--------|------------------|-------|
| 13.39 | 11.54 ng/ul | 210676 | Acenaphthene-d10 | 14.46 |

| Hit# | of | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Vanillin                           | 152 | C8H8O3  | 000121-33-5 | 97   |
| 2    |    | Vanillin                           | 152 | C8H8O3  | 000121-33-5 | 97   |
| 3    |    | Benzaldehyde, 3-hydroxy-4-methoxy- | 152 | C8H8O3  | 000621-59-0 | 96   |
| 4    |    | Benzaldehyde, 3-hydroxy-4-methoxy- | 152 | C8H8O3  | 000621-59-0 | 96   |
| 5    |    | Vanillin                           | 152 | C8H8O3  | 000121-33-5 | 95   |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN121218MA.M  
Quant Title : SVOA CALIBRATION

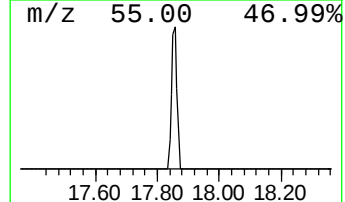
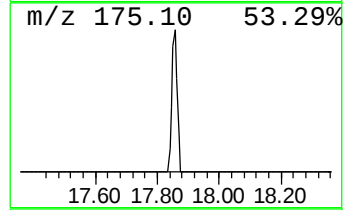
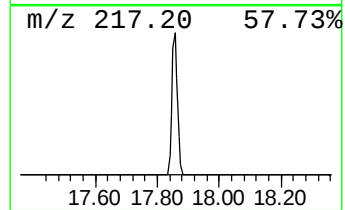
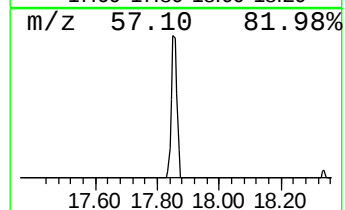
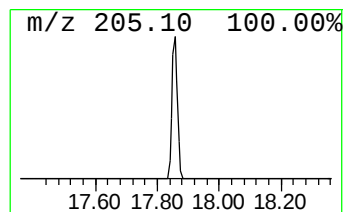
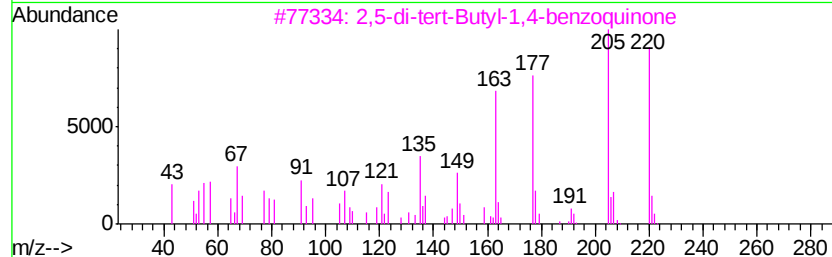
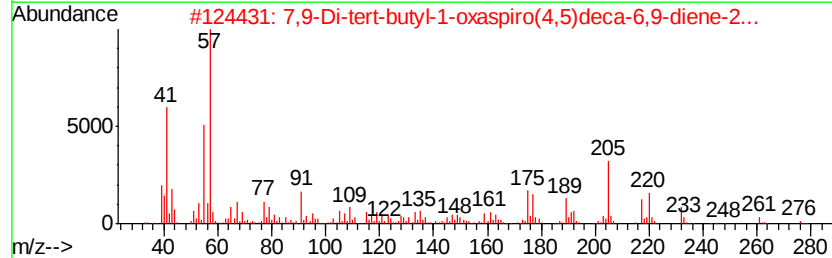
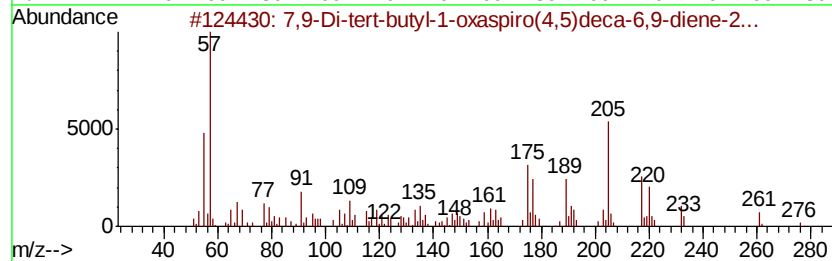
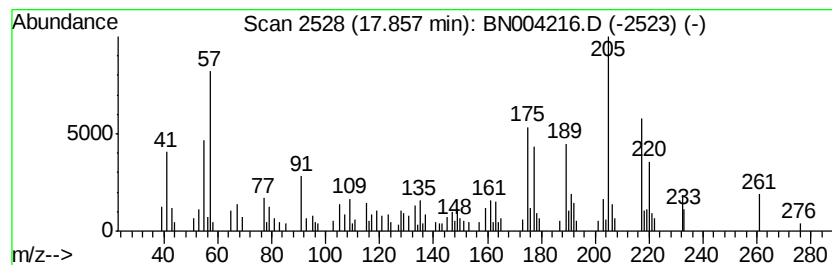
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 7,9-Di-tert-butyl-1-oxaspiro... Concentration Rank 5

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 17.86 | 5.04 ng/ul | 118088 | Phenanthrene-d10 | 17.21 |

| Hit# | of | Tentative ID                                          | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 7,9-Di-tert-butyl-1-oxaspiro(4,5)deca-6,9-diene-2-one | 276 | C17H24O3 | 082304-66-3 | 99   |
| 2    |    | 7,9-Di-tert-butyl-1-oxaspiro(4,5)deca-6,9-diene-2-one | 276 | C17H24O3 | 082304-66-3 | 97   |
| 3    |    | 2,5-di-tert-Butyl-1,4-benzoquinone                    | 220 | C14H20O2 | 002460-77-7 | 70   |
| 4    |    | Ethanone, 1-(5,6,7,8-tetrahydro-2-naphthyl)-          | 220 | C14H20O2 | 071596-88-8 | 50   |
| 5    |    | 2,5-Cyclohexadien-1-one, 2,6-bis(4-methylphenyl)-     | 232 | C16H24O  | 006738-27-8 | 42   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122618\  
Data File : BN004216.D  
Acq On : 26 Dec 2018 22:59  
Operator : JU/SJ  
Sample : J6489-14  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F9F77

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN121218MA.M  
Quant Title : SVOA CALIBRATION

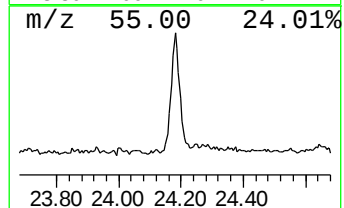
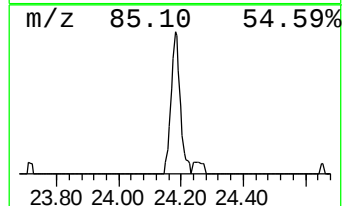
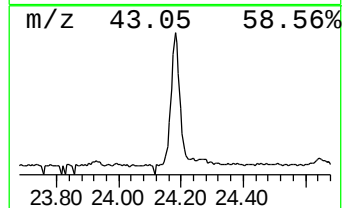
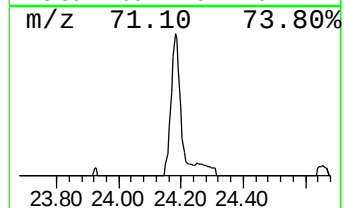
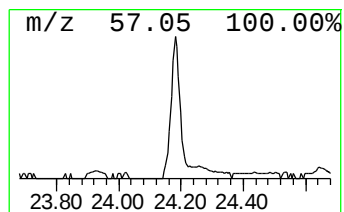
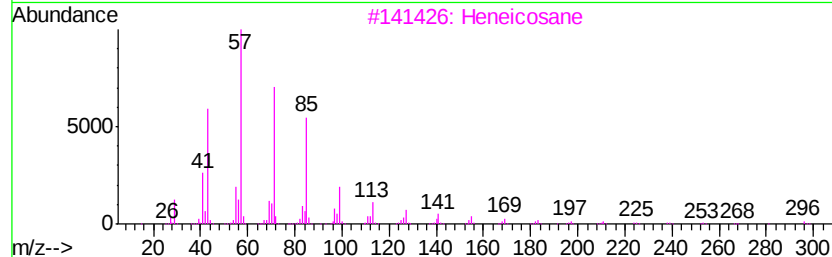
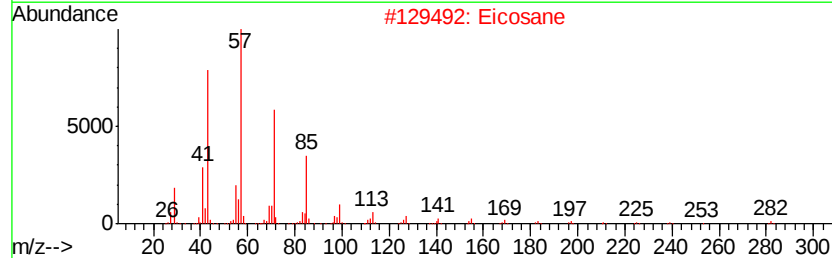
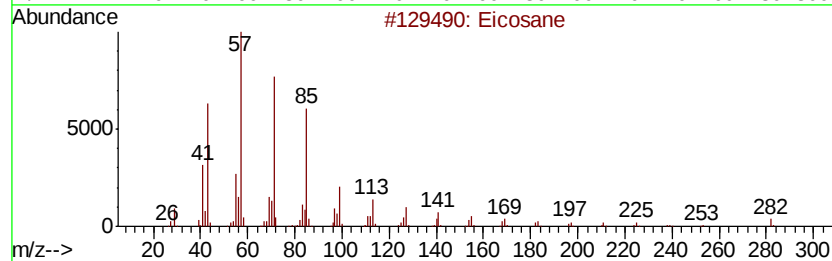
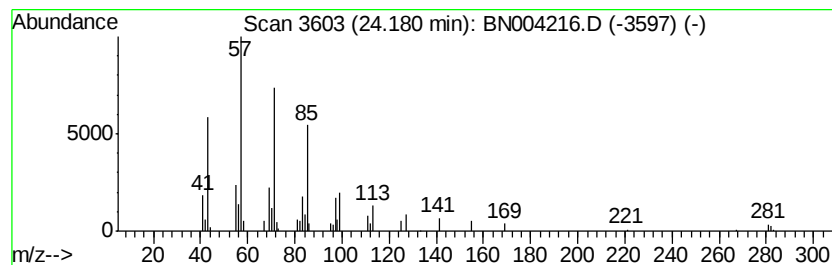
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 6

| R.T.  | EstConc    | Area  | Relative to ISTD | R.T.  |
|-------|------------|-------|------------------|-------|
| 24.18 | 2.38 ng/ul | 85028 | Perylene-d12     | 23.72 |

| Hit# | of | Tentative ID       | MW  | MolForm | CAS#         | Qual |
|------|----|--------------------|-----|---------|--------------|------|
| 1    | 5  | Eicosane           | 282 | C20H42  | 000112-95-8  | 96   |
| 2    |    | Eicosane           | 282 | C20H42  | 000112-95-8  | 91   |
| 3    |    | Heneicosane        | 296 | C21H44  | 000629-94-7  | 91   |
| 4    |    | Heptacosane        | 380 | C27H56  | 000593-49-7  | 91   |
| 5    |    | 2-methyloctacosane | 408 | C29H60  | 1000376-72-8 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122618\  
Data File : BN004216.D  
Acq On : 26 Dec 2018 22:59  
Operator : JU/SJ  
Sample : J6489-14  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F9F77

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN121218MA.M  
Quant Title : SVOA CALIBRATION

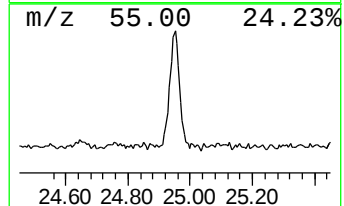
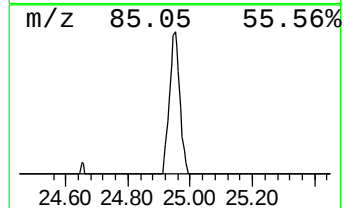
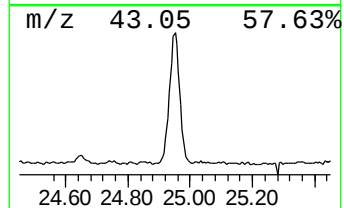
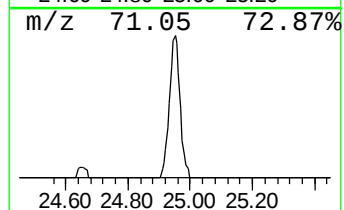
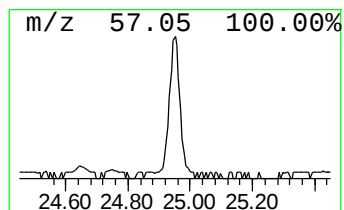
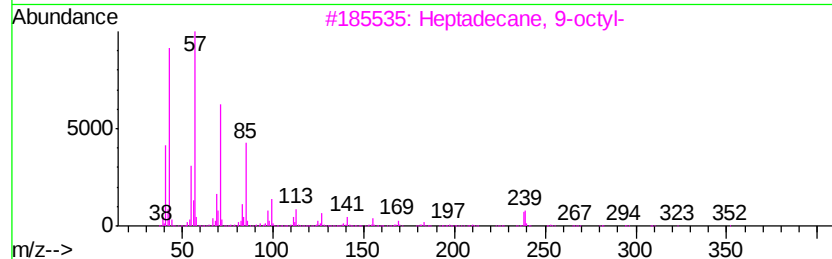
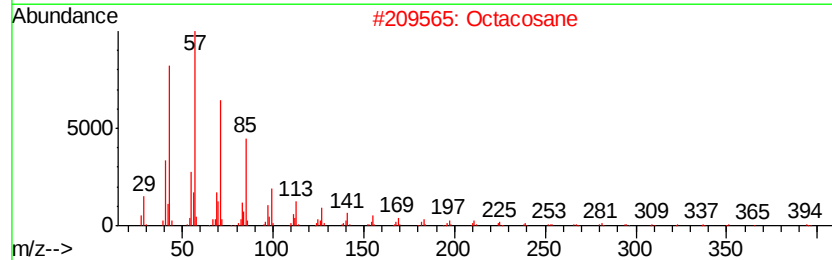
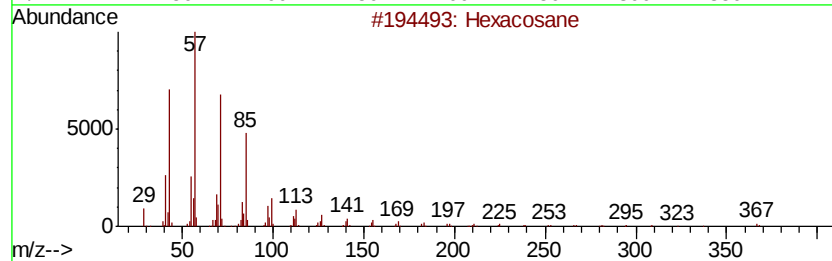
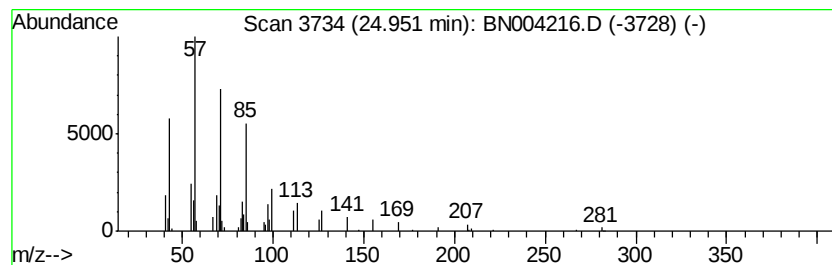
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 7

| R.T.  | EstConc    | Area  | Relative to ISTD | R.T.  |
|-------|------------|-------|------------------|-------|
| 24.95 | 2.33 ng/ul | 83214 | Perylene-d12     | 23.72 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Hexacosane            | 366 | C26H54  | 000630-01-3 | 91   |
| 2    |    | Octacosane            | 394 | C28H58  | 000630-02-4 | 91   |
| 3    |    | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1 | 91   |
| 4    |    | Hexacosane            | 366 | C26H54  | 000630-01-3 | 91   |
| 5    |    | Heptacosane           | 380 | C27H56  | 000593-49-7 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN122618\  
Data File : BN004216.D  
Acq On : 26 Dec 2018 22:59  
Operator : JU/SJ  
Sample : J6489-14  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F9F77

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN121218MA.M  
Quant Title : SVOA 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 |
| Phenol, 2-methoxy-   | 8.92  | 6.5     | ng/ul | 43603    | 1                     | 7.82  | 133421 | 20.0 |
| unknown-01           | 12.79 | 5.9     | ng/ul | 107434   | 3                     | 14.46 | 365065 | 20.0 |
| Propanoic acid, 2... | 13.05 | 7.6     | ng/ul | 138706   | 3                     | 14.46 | 365065 | 20.0 |
| Vanillin             | 13.39 | 11.5    | ng/ul | 210676   | 3                     | 14.46 | 365065 | 20.0 |
| 7,9-Di-tert-butyl... | 17.86 | 5.0     | ng/ul | 118088   | 4                     | 17.21 | 468437 | 20.0 |
| (DEL) Alkane: Str... | 24.18 | 2.4     | ng/ul | 85028    | 6                     | 23.72 | 715170 | 20.0 |
| (DEL) Alkane: Str... | 24.95 | 2.3     | ng/ul | 83214    | 6                     | 23.72 | 715170 | 20.0 |