

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP030922\  
 Data File : BP009333.D  
 Acq On : 09 Mar 2022 20:24  
 Operator : CG/JU  
 Sample : N1851-09  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DUM-38

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\_P\Methods\8270E-BP030522.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP009333.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         | 3.064       | 9             | 13          | 32           | rVB      | 404506         | 793542        | 2.94%           | 0.450%        |
| 2         | 5.411       | 405           | 412         | 429          | rBV      | 4929532        | 8285066       | 30.74%          | 4.700%        |
| 3         | 6.987       | 672           | 680         | 700          | rBV      | 5325048        | 9477729       | 35.16%          | 5.376%        |
| 4         | 7.816       | 814           | 821         | 829          | rBV      | 1300147        | 2211540       | 8.21%           | 1.255%        |
| 5         | 8.969       | 1006          | 1017        | 1030         | rBV      | 3327134        | 5945436       | 22.06%          | 3.373%        |
| 6         | 10.399      | 1254          | 1260        | 1273         | rBV2     | 136584         | 293371        | 1.09%           | 0.166%        |
| 7         | 10.610      | 1287          | 1296        | 1304         | rBV      | 1944241        | 3540852       | 13.14%          | 2.009%        |
| 8         | 13.081      | 1708          | 1716        | 1739         | rBV      | 9341251        | 15206133      | 56.42%          | 8.626%        |
| 9         | 14.175      | 1896          | 1902        | 1911         | rVB      | 359304         | 595448        | 2.21%           | 0.338%        |
| 10        | 14.457      | 1942          | 1950        | 1957         | rBV      | 3091569        | 5064046       | 18.79%          | 2.873%        |
| 11        | 15.951      | 2196          | 2204        | 2225         | rBV      | 7786962        | 12655463      | 46.95%          | 7.179%        |
| 12        | 17.216      | 2412          | 2419        | 2423         | rBV      | 4302656        | 6913494       | 25.65%          | 3.922%        |
| 13        | 17.257      | 2423          | 2426        | 2433         | rVV      | 1628751        | 2325239       | 8.63%           | 1.319%        |
| 14        | 17.345      | 2433          | 2441        | 2447         | rVB      | 492922         | 818408        | 3.04%           | 0.464%        |
| 15        | 18.086      | 2563          | 2567        | 2569         | rBV      | 255281         | 316682        | 1.17%           | 0.180%        |
| 16        | 18.122      | 2569          | 2573        | 2582         | rVB2     | 667090         | 1227715       | 4.56%           | 0.696%        |
| 17        | 18.275      | 2593          | 2599        | 2603         | rBV2     | 502146         | 911546        | 3.38%           | 0.517%        |
| 18        | 18.310      | 2603          | 2605        | 2612         | rVB      | 235166         | 285504        | 1.06%           | 0.162%        |
| 19        | 18.980      | 2714          | 2719        | 2723         | rBV      | 273069         | 399094        | 1.48%           | 0.226%        |
| 20        | 19.028      | 2723          | 2727        | 2732         | rBV3     | 158761         | 288987        | 1.07%           | 0.164%        |
| 21        | 19.110      | 2737          | 2741        | 2748         | rBV2     | 310790         | 502147        | 1.86%           | 0.285%        |
| 22        | 19.233      | 2756          | 2762        | 2770         | rBV      | 5522877        | 7651154       | 28.39%          | 4.340%        |
| 23        | 19.380      | 2781          | 2787        | 2791         | rVB      | 260085         | 469692        | 1.74%           | 0.266%        |
| 24        | 19.469      | 2799          | 2802        | 2812         | rVB2     | 214569         | 471555        | 1.75%           | 0.267%        |
| 25        | 19.586      | 2812          | 2822        | 2830         | rBV      | 4735448        | 7715491       | 28.63%          | 4.377%        |
| 26        | 19.657      | 2831          | 2834        | 2840         | rVB3     | 180182         | 326784        | 1.21%           | 0.185%        |
| 27        | 19.792      | 2848          | 2857        | 2869         | rVB      | 20159958       | 26952444      | 100.00%         | 15.289%       |
| 28        | 19.910      | 2871          | 2877        | 2883         | rBV3     | 299968         | 753416        | 2.80%           | 0.427%        |
| 29        | 20.039      | 2895          | 2899        | 2901         | rBV3     | 227637         | 347040        | 1.29%           | 0.197%        |
| 30        | 20.075      | 2901          | 2905        | 2909         | rVB      | 453088         | 666668        | 2.47%           | 0.378%        |
| 31        | 20.227      | 2926          | 2931        | 2935         | rBV2     | 403879         | 594530        | 2.21%           | 0.337%        |
| 32        | 20.363      | 2951          | 2954        | 2958         | rBV      | 249685         | 325168        | 1.21%           | 0.184%        |
| 33        | 20.410      | 2958          | 2962        | 2967         | rBV      | 284470         | 422085        | 1.57%           | 0.239%        |
| 34        | 20.804      | 3025          | 3029        | 3036         | rVB      | 499717         | 718760        | 2.67%           | 0.408%        |
| 35        | 20.969      | 3051          | 3057        | 3061         | rBV3     | 536509         | 1078679       | 4.00%           | 0.612%        |
| 36        | 21.010      | 3061          | 3064        | 3067         | rVB      | 320996         | 333642        | 1.24%           | 0.189%        |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP030922\  
Data File : BP009333.D  
Acq On : 09 Mar 2022 20:24  
Operator : CG/JU  
Sample : N1851-09  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
DUM-38

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\_P\Methods\8270E-BP030522.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |          |        |        |
|----|--------|------|------|------|------|---------|----------|--------|--------|
| 37 | 21.051 | 3067 | 3071 | 3075 | rBV3 | 1236307 | 2080136  | 7.72%  | 1.180% |
| 38 | 21.322 | 3110 | 3117 | 3121 | rBV2 | 7239272 | 14205059 | 52.70% | 8.058% |
| 39 | 21.357 | 3121 | 3123 | 3133 | rVB  | 2699469 | 3396216  | 12.60% | 1.927% |
| 40 | 21.480 | 3141 | 3144 | 3149 | rBV  | 372285  | 617048   | 2.29%  | 0.350% |
| 41 | 21.645 | 3168 | 3172 | 3177 | rBV2 | 374192  | 632799   | 2.35%  | 0.359% |
| 42 | 21.957 | 3222 | 3225 | 3229 | rBV3 | 336872  | 485180   | 1.80%  | 0.275% |
| 43 | 22.998 | 3395 | 3402 | 3414 | rBV  | 2437090 | 8460571  | 31.39% | 4.799% |
| 44 | 23.516 | 3484 | 3490 | 3500 | rVB  | 1389054 | 3090681  | 11.47% | 1.753% |
| 45 | 23.616 | 3501 | 3507 | 3517 | rBV  | 1963041 | 4106606  | 15.24% | 2.330% |
| 46 | 23.727 | 3519 | 3526 | 3532 | rBV2 | 4028728 | 8614746  | 31.96% | 4.887% |
| 47 | 26.221 | 3943 | 3950 | 3966 | rVB2 | 1048329 | 3711817  | 13.77% | 2.106% |

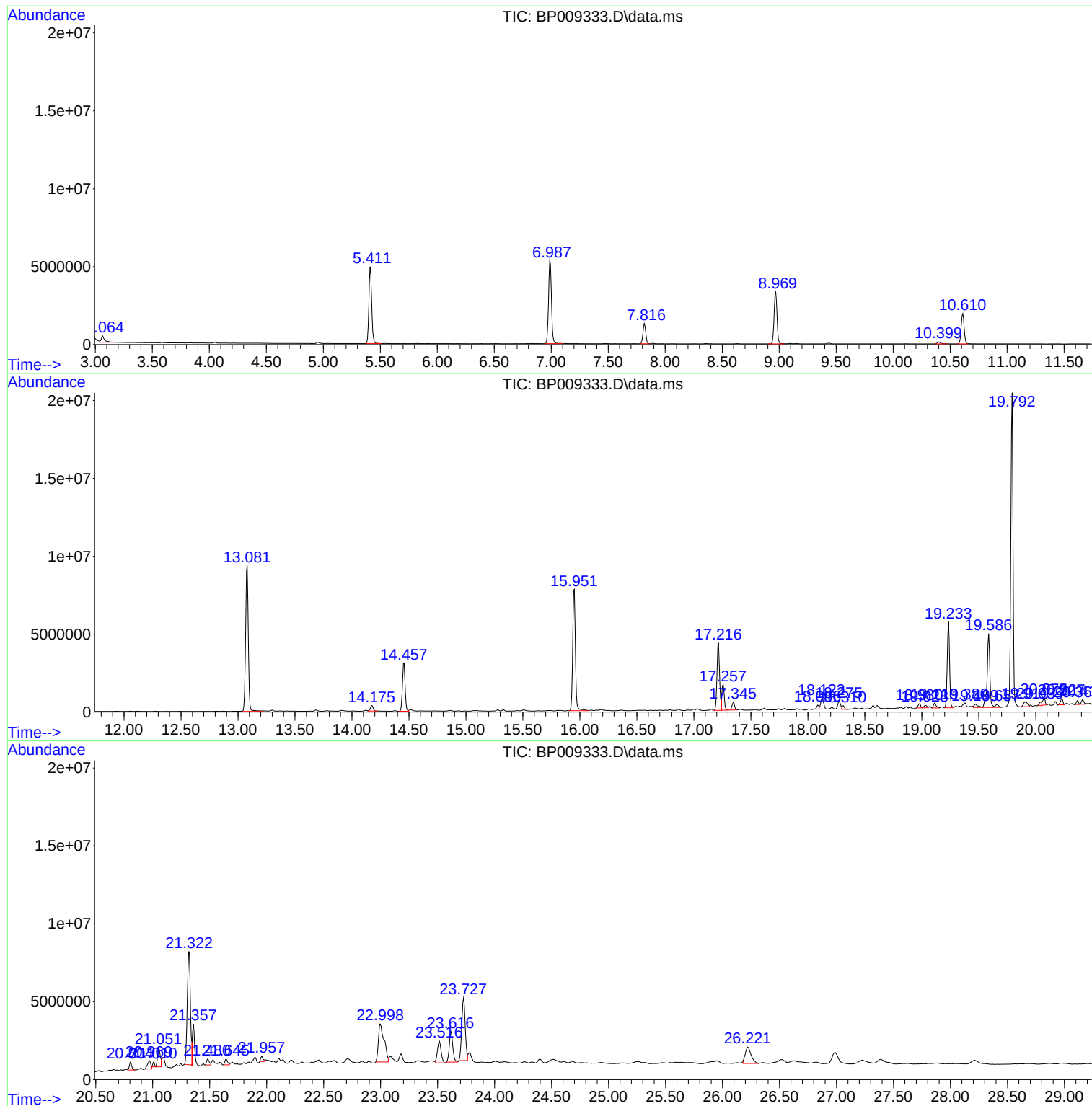
Sum of corrected areas: 176285409

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP030922\  
Data File : BP009333.D  
Acq On : 09 Mar 2022 20:24  
Operator : CG/JU  
Sample : N1851-09  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
DUM-38

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP030522.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP030922\  
Data File : BP009333.D  
Acq On : 09 Mar 2022 20:24  
Operator : CG/JU  
Sample : N1851-09  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
DUM-38

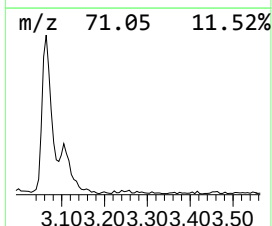
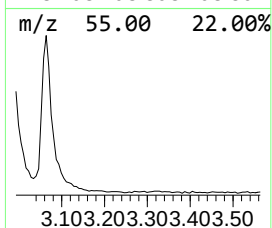
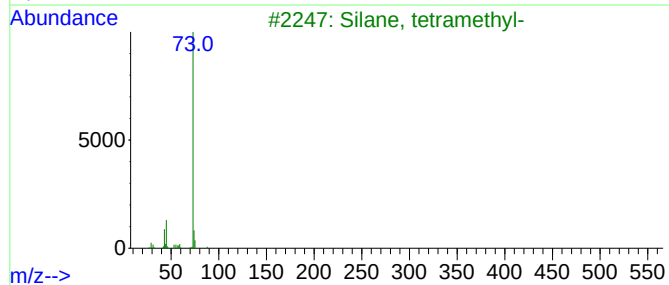
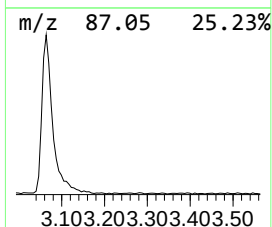
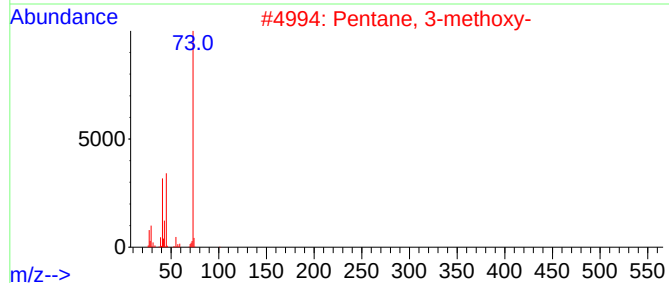
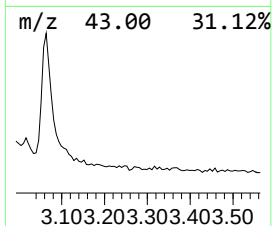
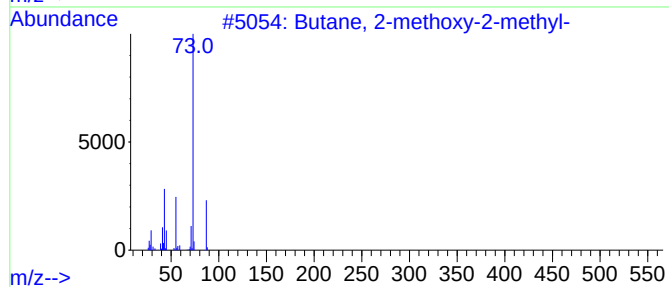
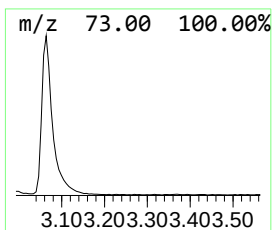
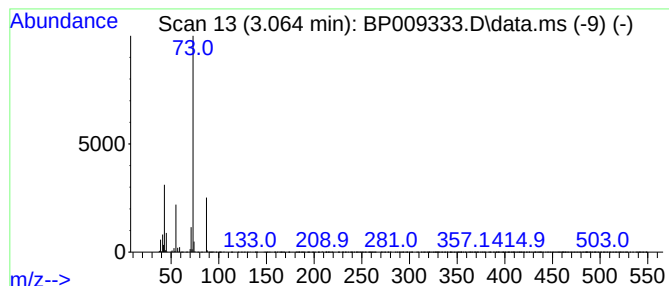
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP030522.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

| R.T.  | EstConc | Area   | Relative to ISTD       | R.T.  |
|-------|---------|--------|------------------------|-------|
| 3.064 | 7.18 ng | 793542 | 1,4-Dichlorobenzene-d4 | 7.816 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 78   |
| 2    |    |   | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 17   |
| 3    |    |   | Silane, tetramethyl-        | 88  | C4H12Si | 000075-76-3 | 12   |
| 4    |    |   | N-Ethylformamide            | 73  | C3H7NO  | 000627-45-2 | 9    |
| 5    |    |   | 1,3-Dioxolane, 2-methyl-    | 88  | C4H8O2  | 000497-26-7 | 9    |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP030922\  
Data File : BP009333.D  
Acq On : 09 Mar 2022 20:24  
Operator : CG/JU  
Sample : N1851-09  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
DUM-38

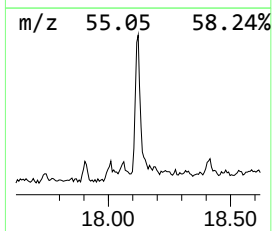
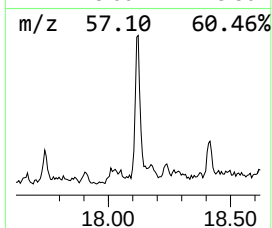
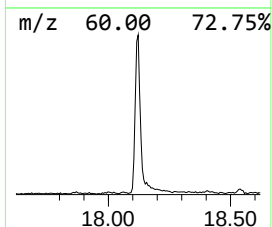
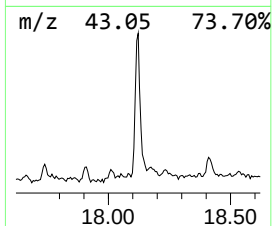
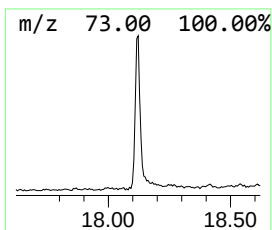
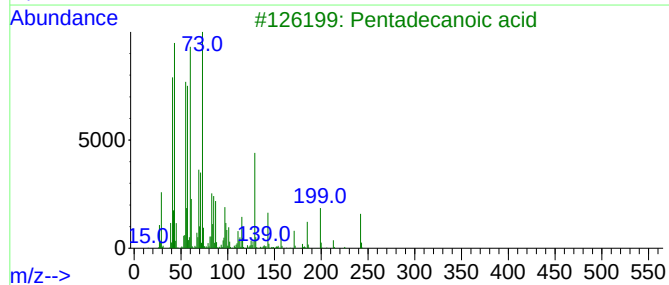
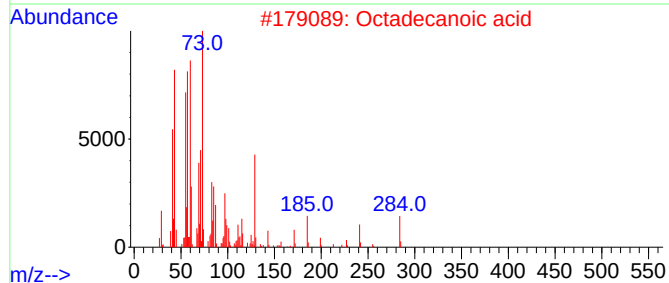
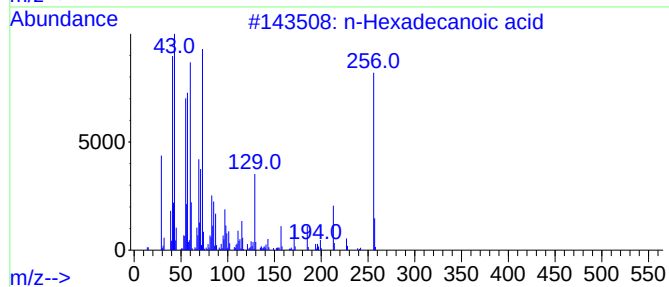
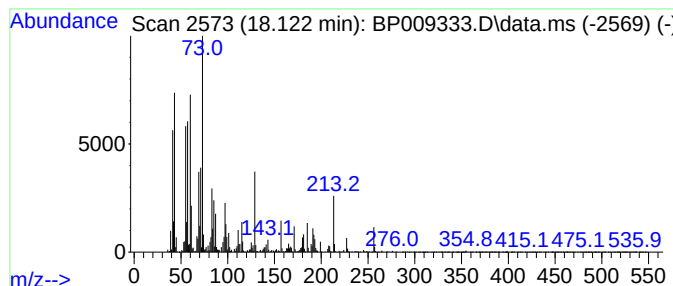
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP030522.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 2 n-Hexadecanoic acid Concentration Rank 3

| R.T.   | EstConc | Area    | Relative to ISTD | R.T.   |
|--------|---------|---------|------------------|--------|
| 18.122 | 3.55 ng | 1227720 | Phenanthrene-d10 | 17.216 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------|-----|----------|-------------|------|
| 1    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99   |
| 2    |    |   | Octadecanoic acid   | 284 | C18H36O2 | 000057-11-4 | 81   |
| 3    |    |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 81   |
| 4    |    |   | n-Decanoic acid     | 172 | C10H20O2 | 000334-48-5 | 60   |
| 5    |    |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 60   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP030922\  
Data File : BP009333.D  
Acq On : 09 Mar 2022 20:24  
Operator : CG/JU  
Sample : N1851-09  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
DUM-38

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP030522.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

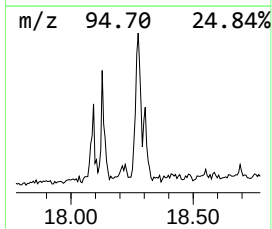
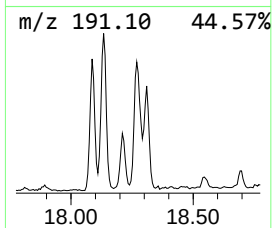
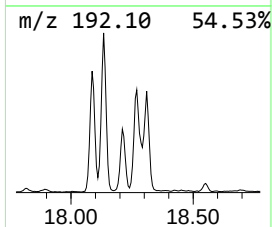
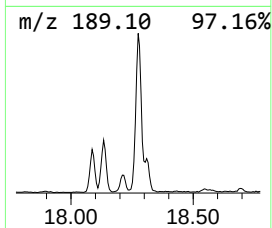
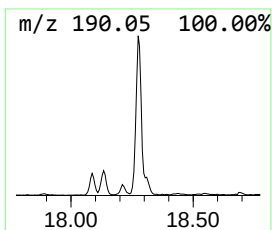
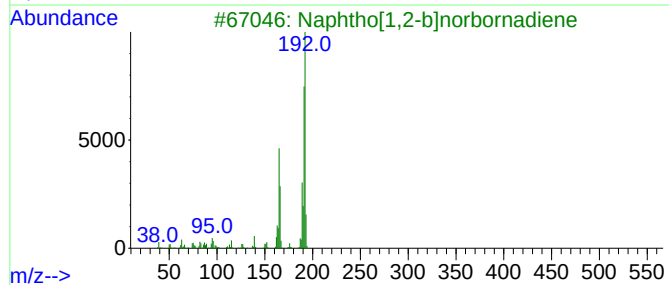
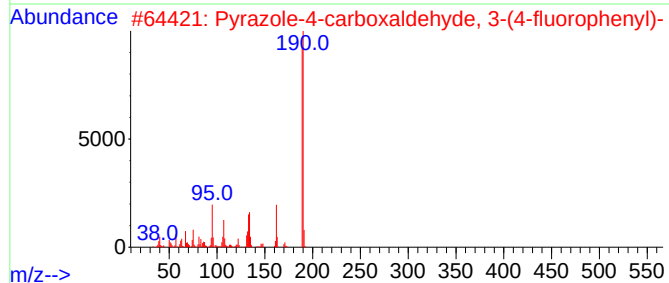
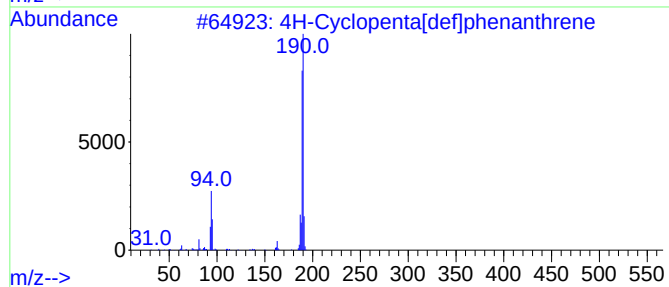
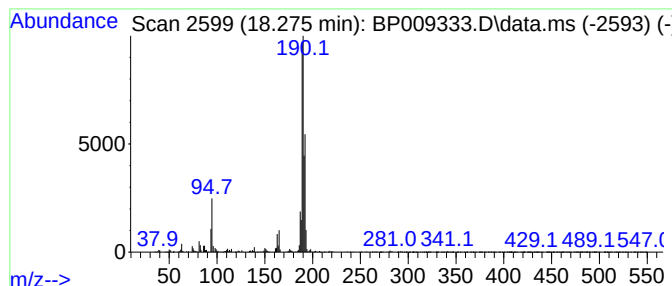
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 3 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 18.275 | 2.64 ng | 911546 | Phenanthrene-d10 | 17.216 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | 4H-Cyclopenta[def]phenanthrene      | 190 | C15H10    | 000203-64-5  | 64   |
| 2    |    |   | Pyrazole-4-carboxaldehyde, 3-(4-... | 190 | C10H7FN2O | 306936-57-2  | 49   |
| 3    |    |   | Naphtho[1,2-b]norbornadiene         | 192 | C15H12    | 1000210-14-8 | 42   |
| 4    |    |   | Phenanthrene, 4-methyl-             | 192 | C15H12    | 000832-64-4  | 42   |
| 5    |    |   | Phenanthrene, 2-methyl-             | 192 | C15H12    | 002531-84-2  | 30   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP030922\  
Data File : BP009333.D  
Acq On : 09 Mar 2022 20:24  
Operator : CG/JU  
Sample : N1851-09  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
DUM-38

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP030522.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

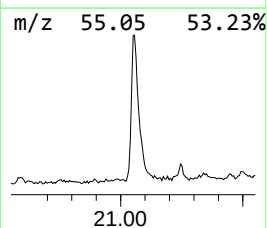
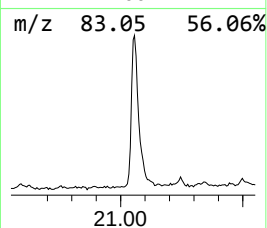
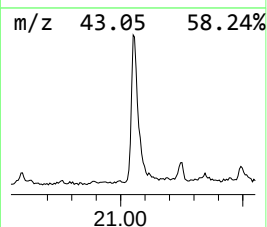
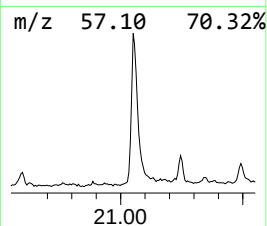
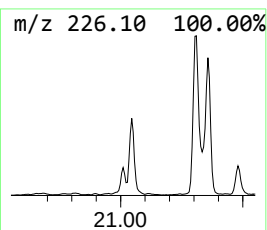
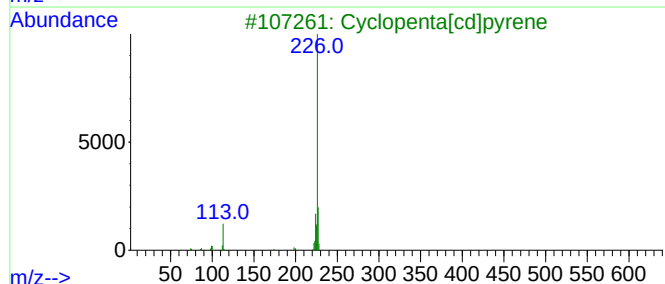
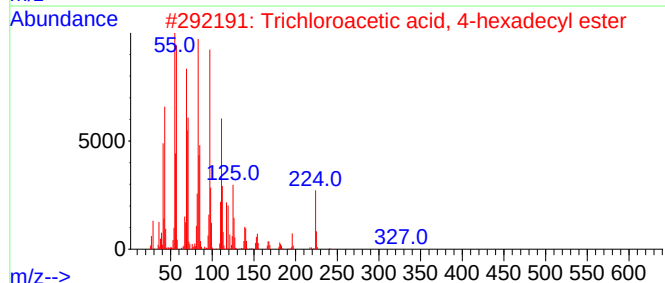
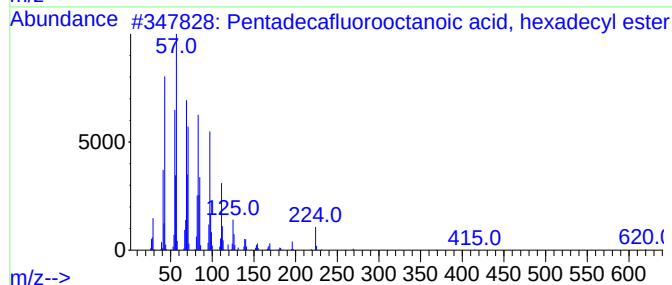
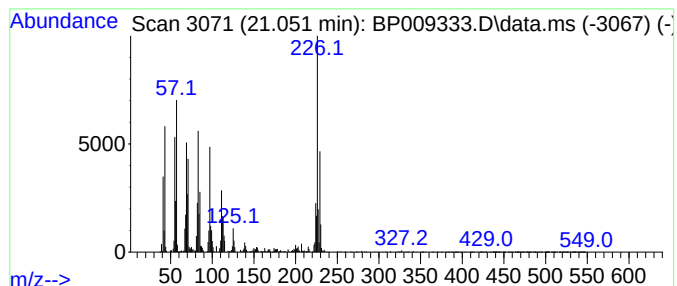
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 4 Pentadecafluorooctanoic aci... Concentration Rank 4

| R.T.   | EstConc | Area    | Relative to ISTD | R.T.   |
|--------|---------|---------|------------------|--------|
| 21.051 | 2.93 ng | 2080140 | Chrysene-d12     | 21.322 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-------------|--------------|------|
| 1    |    |   | Pentadecafluorooctanoic acid, he... | 638 | C24H33F15O2 | 1000406-04-6 | 50   |
| 2    |    |   | Trichloroacetic acid, 4-hexadecy... | 386 | C18H33Cl3O2 | 1000282-92-4 | 35   |
| 3    |    |   | Cyclopenta[cd]pyrene                | 226 | C18H10      | 027208-37-3  | 30   |
| 4    |    |   | Hexadecane-1,2-diol                 | 258 | C16H34O2    | 006920-24-7  | 30   |
| 5    |    |   | Cyclohexadecane                     | 224 | C16H32      | 000295-65-8  | 30   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP030922\  
Data File : BP009333.D  
Acq On : 09 Mar 2022 20:24  
Operator : CG/JU  
Sample : N1851-09  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
DUM-38

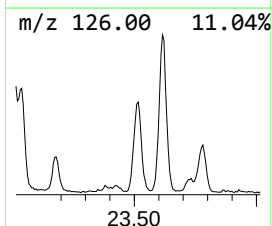
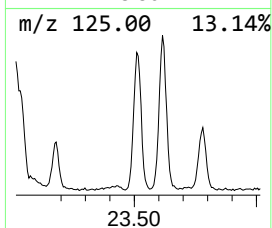
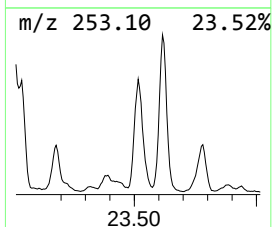
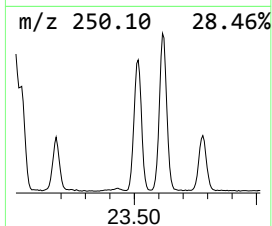
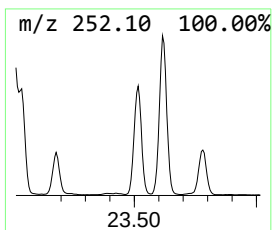
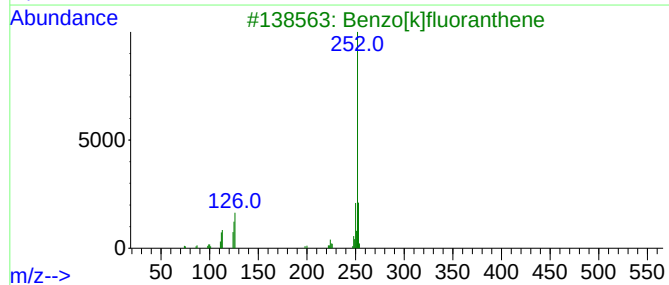
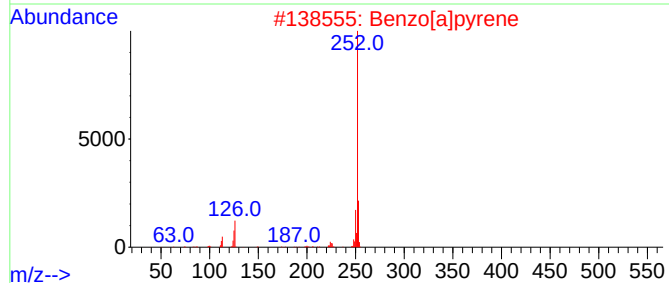
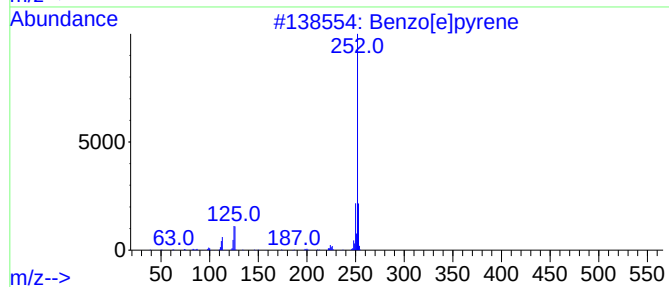
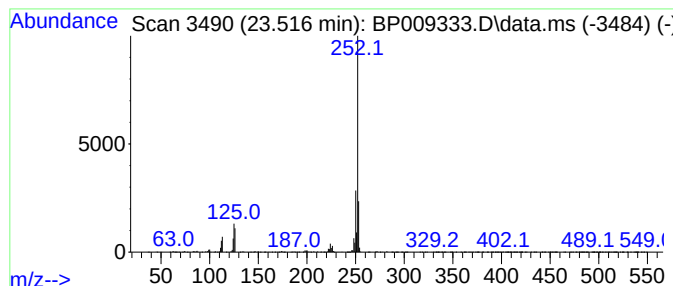
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP030522.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 5 Benzo[e]pyrene Concentration Rank 2

| R.T.   | EstConc | Area    | Relative to ISTD | R.T.   |
|--------|---------|---------|------------------|--------|
| 23.515 | 7.18 ng | 3090680 | Perylene-d12     | 23.727 |

| Hit# | of | 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------|-----|---------|-------------|------|
| 1    |    |   | Benzo[e]pyrene       | 252 | C20H12  | 000192-97-2 | 99   |
| 2    |    |   | Benzo[a]pyrene       | 252 | C20H12  | 000050-32-8 | 96   |
| 3    |    |   | Benzo[k]fluoranthene | 252 | C20H12  | 000207-08-9 | 96   |
| 4    |    |   | Perylene             | 252 | C20H12  | 000198-55-0 | 95   |
| 5    |    |   | Benzo[b]fluoranthene | 252 | C20H12  | 000205-99-2 | 95   |





Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP030922\  
Data File : BP009333.D  
Acq On : 09 Mar 2022 20:24  
Operator : CG/JU  
Sample : N1851-09  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
DUM-38

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP030522.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

| TIC Top Hit name    | RT     | EstConc | Units | Response | --Internal Standard-- |        |          |      |
|---------------------|--------|---------|-------|----------|-----------------------|--------|----------|------|
|                     |        |         |       |          | #                     | RT     | Resp     | Conc |
| Butane, 2-metho...  | 3.064  | 7.2     | ng    | 793542   | 1                     | 7.816  | 2211540  | 20.0 |
| n-Hexadecanoic ...  | 18.122 | 3.5     | ng    | 1227720  | 4                     | 17.216 | 6913490  | 20.0 |
| 4H-Cyclopenta[d...] | 18.275 | 2.6     | ng    | 911546   | 4                     | 17.216 | 6913490  | 20.0 |
| Pentadecafluoro...  | 21.051 | 2.9     | ng    | 2080140  | 5                     | 21.322 | 14205100 | 20.0 |
| Benzo[e]pyrene      | 23.515 | 7.2     | ng    | 3090680  | 6                     | 23.727 | 8614750  | 20.0 |