

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG062521\  
 Data File : BG049099.D  
 Acq On : 25 Jun 2021 20:45  
 Operator : CG/JU  
 Sample : M2829-04  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 15B-STOCKPILE-3A

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\_G\METHODS\8270-BG061121.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG049099.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         | 3.155       | 13            | 20          | 29           | rBV2     | 52294          | 124645        | 7.79%           | 1.036%        |
| 2         | 3.238       | 29            | 34          | 41           | rVB3     | 16922          | 28803         | 1.80%           | 0.239%        |
| 3         | 5.194       | 361           | 367         | 376          | rVB      | 12608          | 23285         | 1.45%           | 0.193%        |
| 4         | 5.658       | 440           | 446         | 458          | rBV      | 469990         | 807487        | 50.44%          | 6.710%        |
| 5         | 7.262       | 711           | 719         | 729          | rBV      | 496526         | 877484        | 54.81%          | 7.292%        |
| 6         | 8.108       | 855           | 863         | 870          | rBV      | 163361         | 290630        | 18.15%          | 2.415%        |
| 7         | 9.272       | 1054          | 1061        | 1069         | rVB      | 307548         | 560981        | 35.04%          | 4.662%        |
| 8         | 10.682      | 1295          | 1301        | 1311         | rBV      | 199192         | 346615        | 21.65%          | 2.880%        |
| 9         | 10.929      | 1333          | 1343        | 1356         | rVB      | 207470         | 402204        | 25.12%          | 3.342%        |
| 10        | 13.367      | 1751          | 1758        | 1769         | rBV      | 771233         | 1235002       | 77.15%          | 10.263%       |
| 11        | 14.748      | 1983          | 1993        | 1999         | rBV      | 331650         | 530549        | 33.14%          | 4.409%        |
| 12        | 14.807      | 1999          | 2003        | 2011         | rVB6     | 9959           | 17001         | 1.06%           | 0.141%        |
| 13        | 16.234      | 2239          | 2246        | 2254         | rBV      | 633966         | 991892        | 61.96%          | 8.242%        |
| 14        | 17.497      | 2453          | 2461        | 2465         | rBV      | 372274         | 606488        | 37.89%          | 5.040%        |
| 15        | 17.539      | 2465          | 2468        | 2474         | rVB      | 85730          | 122866        | 7.68%           | 1.021%        |
| 16        | 17.627      | 2479          | 2483        | 2489         | rVB      | 24565          | 39058         | 2.44%           | 0.325%        |
| 17        | 17.885      | 2519          | 2527        | 2528         | rBV8     | 11573          | 20723         | 1.29%           | 0.172%        |
| 18        | 18.156      | 2568          | 2573        | 2577         | rBV2     | 34301          | 47218         | 2.95%           | 0.392%        |
| 19        | 18.367      | 2604          | 2609        | 2615         | rBV3     | 83750          | 139646        | 8.72%           | 1.160%        |
| 20        | 18.414      | 2615          | 2617        | 2624         | rVB3     | 25981          | 41580         | 2.60%           | 0.346%        |
| 21        | 18.496      | 2628          | 2631        | 2636         | rVB4     | 16377          | 19225         | 1.20%           | 0.160%        |
| 22        | 18.567      | 2638          | 2643        | 2647         | rVV2     | 30026          | 63340         | 3.96%           | 0.526%        |
| 23        | 18.602      | 2647          | 2649        | 2654         | rVB2     | 16815          | 20530         | 1.28%           | 0.171%        |
| 24        | 19.107      | 2731          | 2735        | 2739         | rBV6     | 10935          | 18314         | 1.14%           | 0.152%        |
| 25        | 19.160      | 2742          | 2744        | 2748         | rVB4     | 14659          | 16439         | 1.03%           | 0.137%        |
| 26        | 19.284      | 2761          | 2765        | 2768         | rBV4     | 20045          | 30302         | 1.89%           | 0.252%        |
| 27        | 19.319      | 2768          | 2771        | 2779         | rVB9     | 25255          | 37418         | 2.34%           | 0.311%        |
| 28        | 19.425      | 2785          | 2789        | 2790         | rBV4     | 18545          | 26437         | 1.65%           | 0.220%        |
| 29        | 19.542      | 2804          | 2809        | 2815         | rBV      | 245481         | 349932        | 21.86%          | 2.908%        |
| 30        | 19.642      | 2822          | 2826        | 2829         | rBV5     | 22697          | 29396         | 1.84%           | 0.244%        |
| 31        | 19.783      | 2848          | 2850        | 2856         | rVB7     | 13635          | 16469         | 1.03%           | 0.137%        |
| 32        | 19.871      | 2861          | 2865        | 2867         | rVV2     | 46893          | 72157         | 4.51%           | 0.600%        |
| 33        | 19.906      | 2867          | 2871        | 2877         | rVB      | 221864         | 323341        | 20.20%          | 2.687%        |
| 34        | 20.100      | 2898          | 2904        | 2910         | rBV      | 1220045        | 1600850       | 100.00%         | 13.303%       |
| 35        | 20.394      | 2952          | 2954        | 2958         | rVB3     | 49225          | 55345         | 3.46%           | 0.460%        |
| 36        | 20.494      | 2968          | 2971        | 2975         | rBV2     | 24051          | 29963         | 1.87%           | 0.249%        |

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Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
15B-STOCKPILE-3A

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\_G\METHODS\8270-BG061121.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 37 | 21.405 | 3123 | 3126 | 3130 | rVB5 | 39909  | 53359  | 3.33%  | 0.443% |
| 38 | 21.781 | 3182 | 3190 | 3195 | rBV3 | 364166 | 848200 | 52.98% | 7.048% |
| 39 | 21.828 | 3195 | 3198 | 3204 | rVB  | 120708 | 185184 | 11.57% | 1.539% |
| 40 | 24.049 | 3569 | 3576 | 3584 | rBV2 | 92175  | 302456 | 18.89% | 2.513% |
| 41 | 24.942 | 3723 | 3728 | 3738 | rVB2 | 75317  | 196303 | 12.26% | 1.631% |
| 42 | 25.106 | 3749 | 3756 | 3766 | rVB2 | 181036 | 484926 | 30.29% | 4.030% |

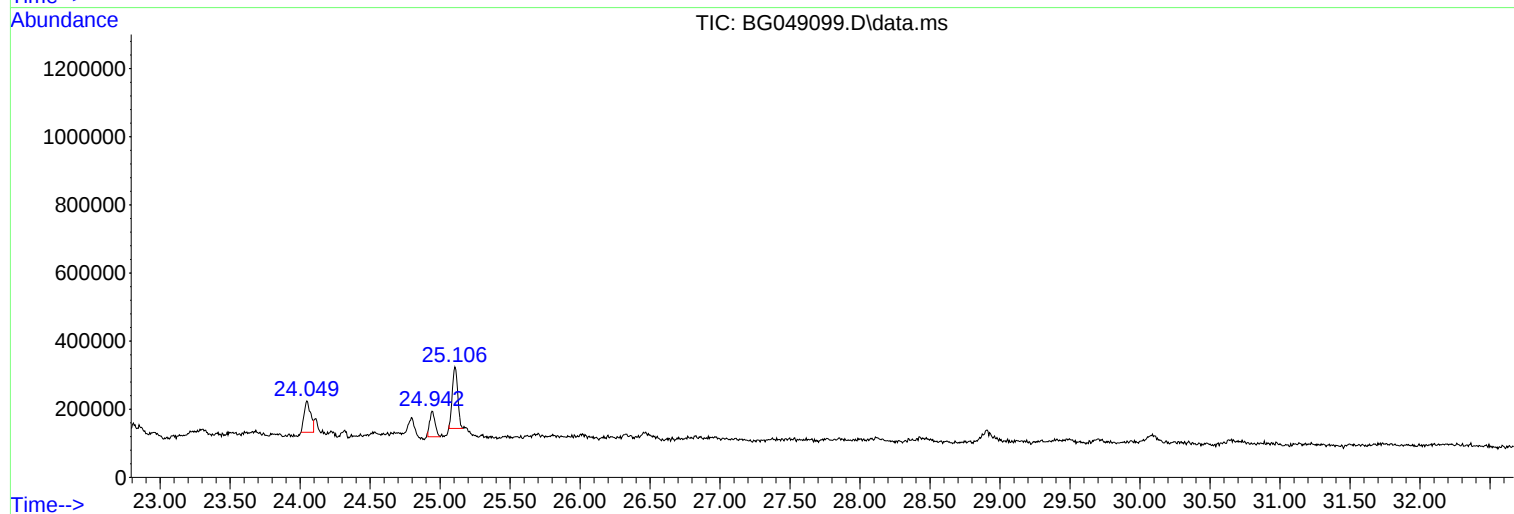
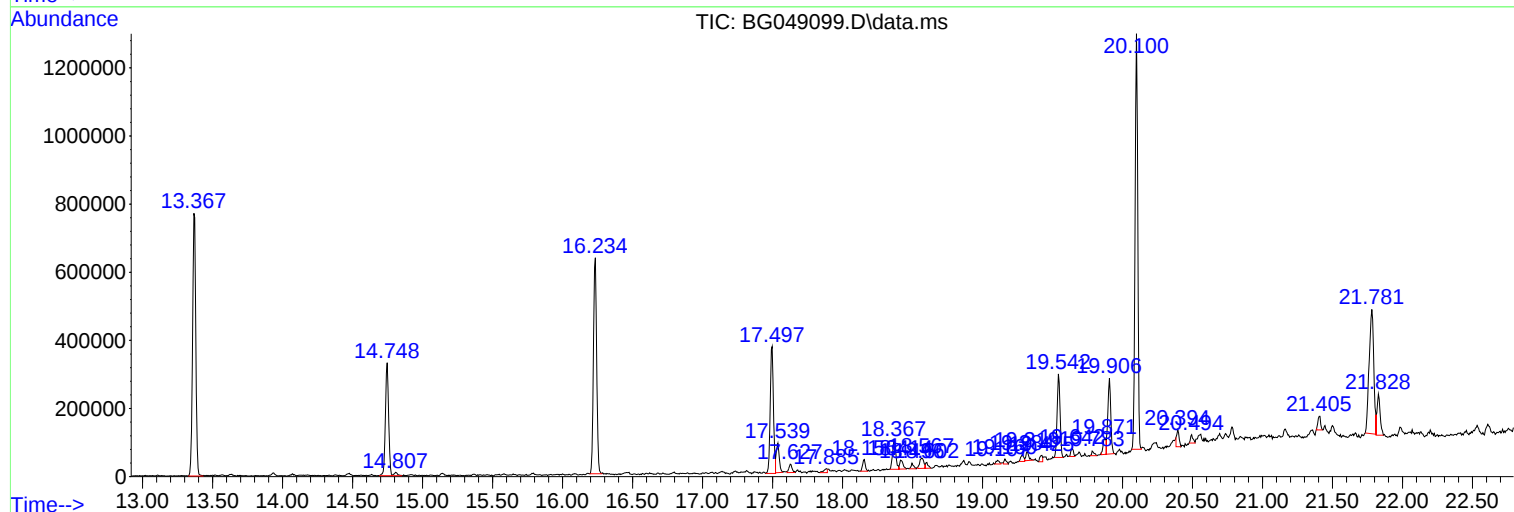
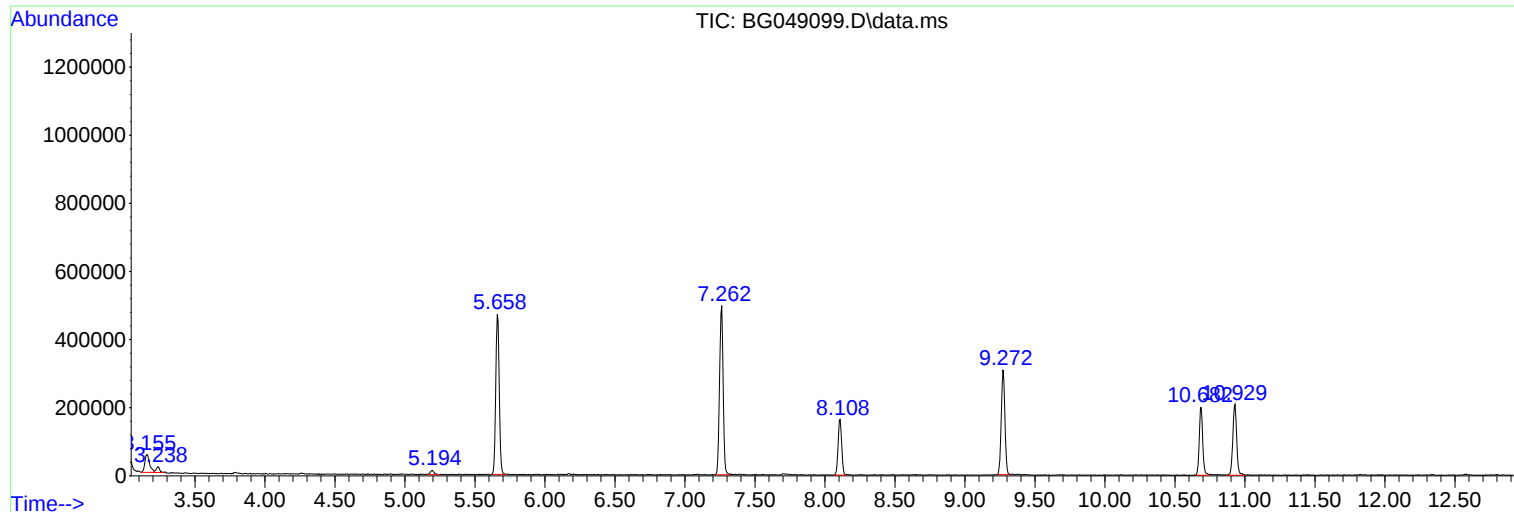
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Misc :  
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BNA\_G  
ClientSampleId :  
15B-STOCKPILE-3A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG061121.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\_G\Data\BG062521\  
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Acq On : 25 Jun 2021 20:45  
Operator : CG/JU  
Sample : M2829-04  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
15B-STOCKPILE-3A

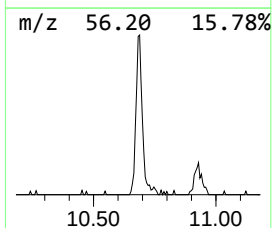
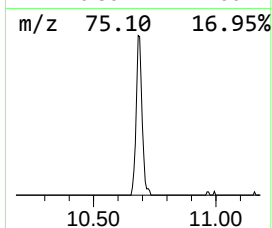
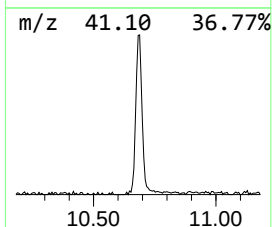
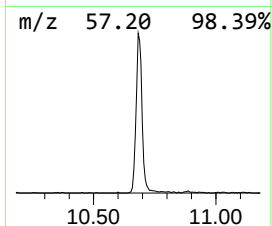
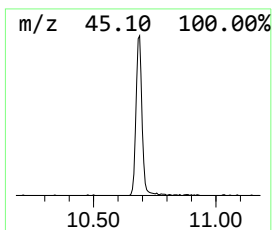
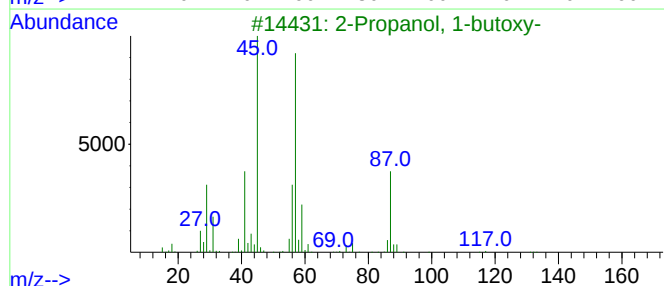
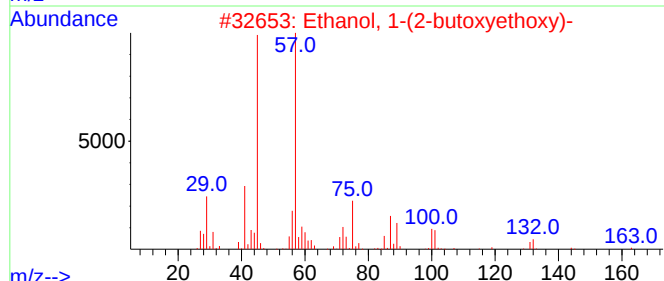
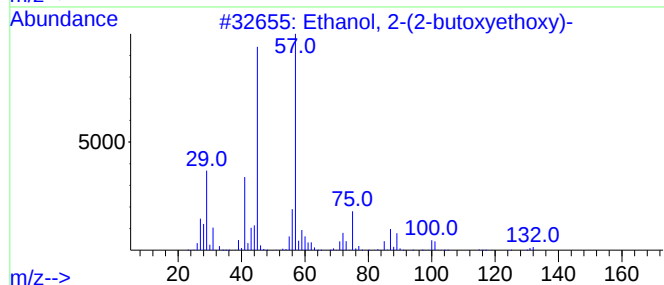
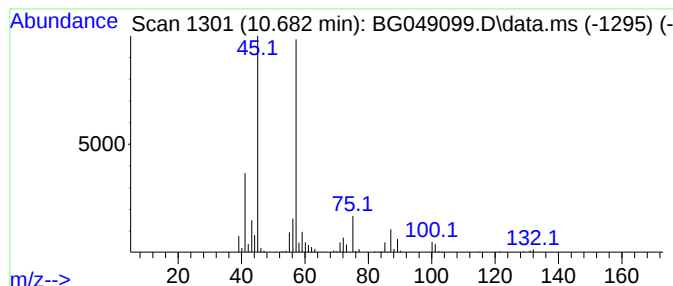
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG061121.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 2 Ethanol, 2-(2-butoxyethoxy)- Concentration Rank 1

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.   |
|--------|----------|--------|------------------|--------|
| 10.682 | 17.24 ng | 346615 | Naphthalene-d8   | 10.929 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Ethanol, 2-(2-butoxyethoxy)-        | 162 | C8H18O3 | 000112-34-5 | 90   |
| 2    |    |   | Ethanol, 1-(2-butoxyethoxy)-        | 162 | C8H18O3 | 054446-78-5 | 78   |
| 3    |    |   | 2-Propanol, 1-butoxy-               | 132 | C7H16O2 | 005131-66-8 | 59   |
| 4    |    |   | 2-Heptanol, 3-methyl-               | 130 | C8H18O  | 031367-46-1 | 50   |
| 5    |    |   | Propanoic acid, 2-hydroxy-, 2-me... | 146 | C7H14O3 | 000585-24-0 | 45   |



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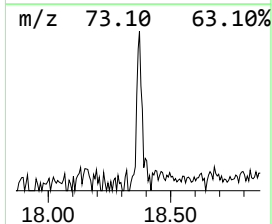
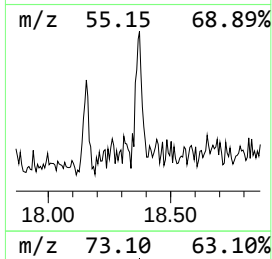
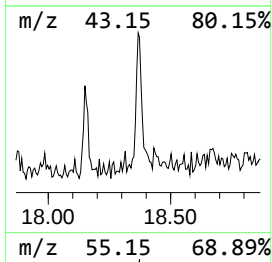
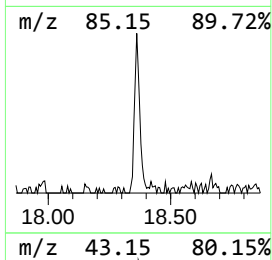
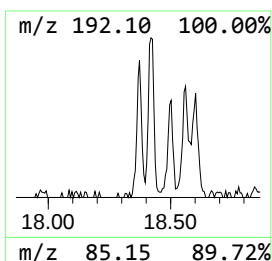
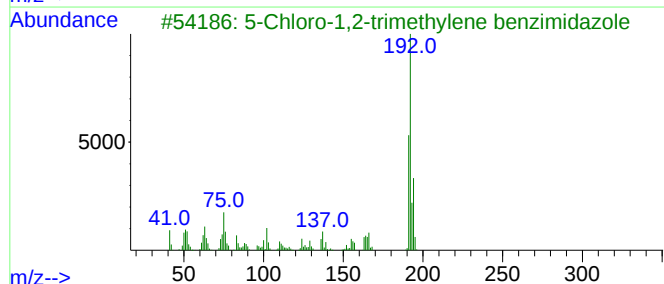
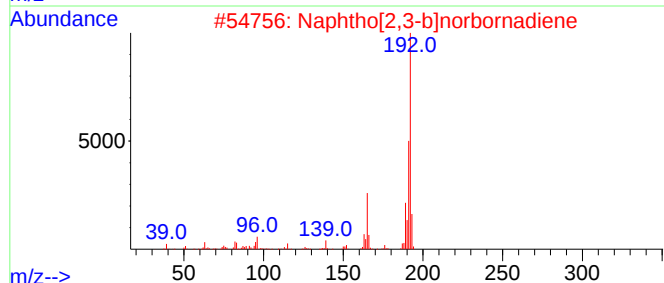
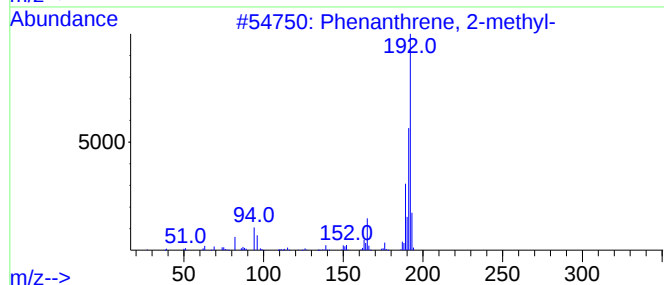
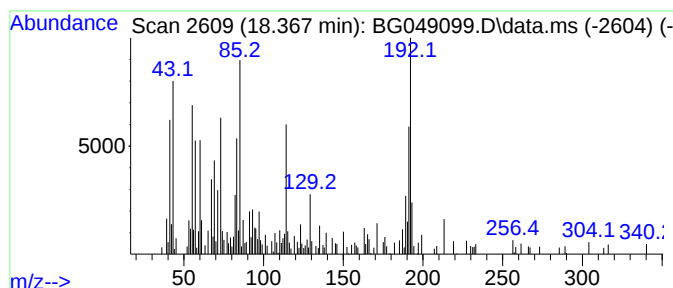
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 3 unknown18.367 Concentration Rank 3

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 18.367    | 4.61 ng                             | 139646 | Phenanthrene-d10 | 17.492      |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | Phenanthrene, 2-methyl-             | 192    | C15H12           | 002531-84-2 | 38   |
| 2         | Naphtho[2,3-b]norbornadiene         | 192    | C15H12           | 107426-38-0 | 38   |
| 3         | 5-Chloro-1,2-trimethylene benzim... | 192    | C10H9ClN2        | 010252-95-6 | 25   |
| 4         | Anthracene, 1-methyl-               | 192    | C15H12           | 000610-48-0 | 25   |
| 5         | Anthracene, 2-methyl-               | 192    | C15H12           | 000613-12-7 | 25   |



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Instrument :  
BNA\_G  
ClientSampleId :  
15B-STOCKPILE-3A

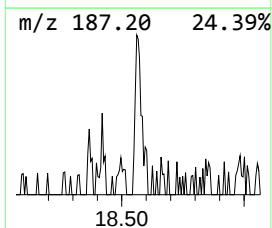
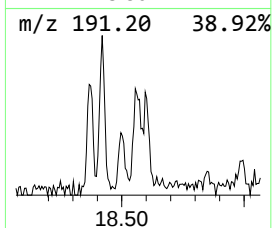
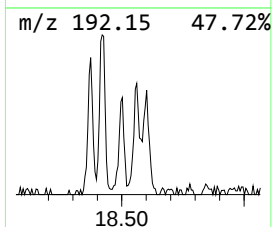
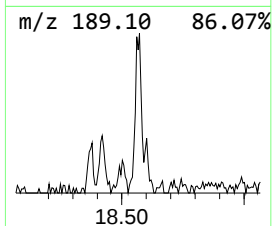
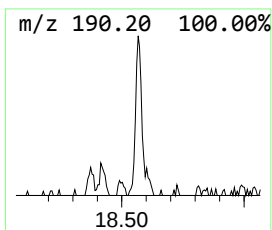
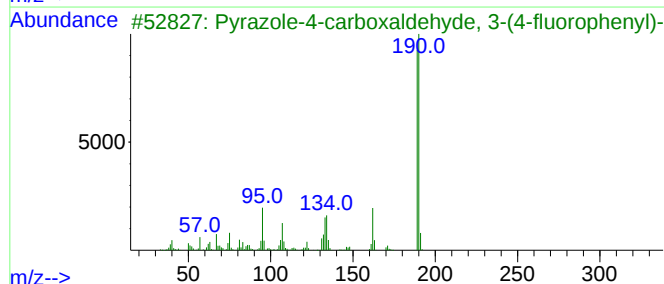
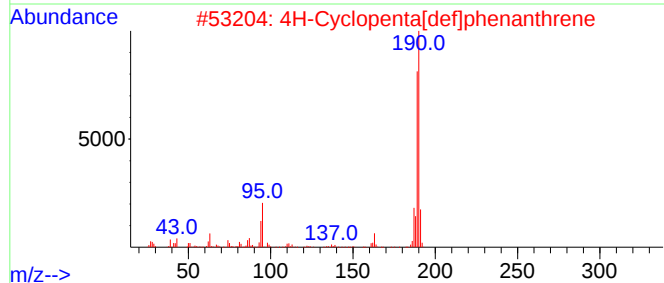
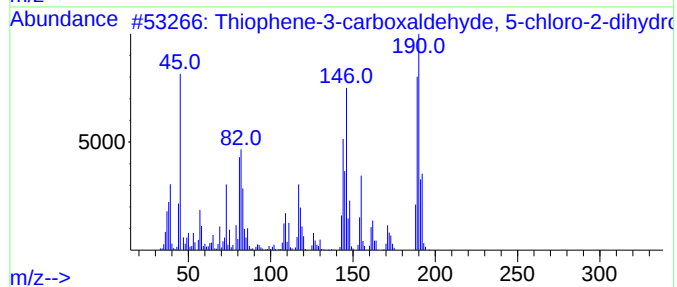
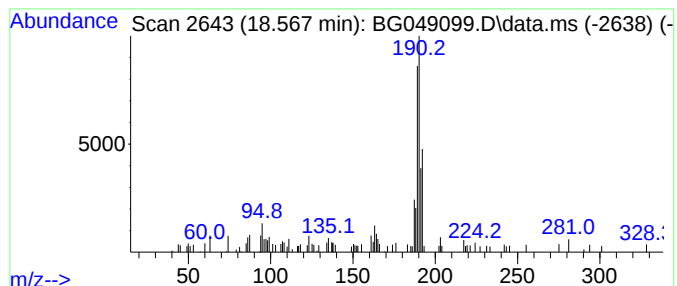
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG061121.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 4 Thiophene-3-carboxaldehyde,... Concentration Rank 4

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 18.567 | 2.09 ng | 63340 | Phenanthrene-d10 | 17.492 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|------------|--------------|------|
| 1    |    |   | Thiophene-3-carboxaldehyde, 5-ch... | 190 | C5H4BClO3S | 036155-87-0  | 72   |
| 2    |    |   | 4H-Cyclopenta[def]phenanthrene      | 190 | C15H10     | 000203-64-5  | 53   |
| 3    |    |   | Pyrazole-4-carboxaldehyde, 3-(4-... | 190 | C10H7FN2O  | 306936-57-2  | 46   |
| 4    |    |   | Phenol, 4-(2-thienylmethyl)-        | 190 | C11H10O5   | 091680-55-6  | 38   |
| 5    |    |   | 1H-Pyrazole-4-carboxaldehyde, 1-... | 190 | C10H7FN2O  | 1000338-05-6 | 37   |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG061121.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 |
| Ethanol, 2-(2-b... | 10.682 | 17.2    | ng    | 346615   | 2                     | 10.929 | 402204 | 20.0 |
| unknown18.367      | 18.367 | 4.6     | ng    | 139646   | 4                     | 17.492 | 606488 | 20.0 |
| Thiophene-3-car... | 18.567 | 2.1     | ng    | 63340    | 4                     | 17.492 | 606488 | 20.0 |