

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP033022\  
 Data File : BP009625.D  
 Acq On : 30 Mar 2022 18:47  
 Operator : CG/JU  
 Sample : N2123-01  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 20220388-COMP-CS-1

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-BP031722.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP009625.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         | 5.346       | 393           | 401         | 428          | rVB      | 4148144        | 7263738       | 35.47%          | 1.885%        |
| 2         | 6.934       | 664           | 671         | 684          | rVB      | 3832618        | 7276554       | 35.53%          | 1.889%        |
| 3         | 7.393       | 741           | 749         | 757          | rBV3     | 267149         | 633727        | 3.09%           | 0.164%        |
| 4         | 7.734       | 799           | 807         | 816          | rBV2     | 1127607        | 2233315       | 10.90%          | 0.580%        |
| 5         | 8.275       | 894           | 899         | 906          | rVB4     | 308631         | 705721        | 3.45%           | 0.183%        |
| 6         | 8.846       | 985           | 996         | 999          | rBV3     | 525333         | 1209883       | 5.91%           | 0.314%        |
| 7         | 8.893       | 999           | 1004        | 1015         | rVV      | 2441795        | 4885301       | 23.85%          | 1.268%        |
| 8         | 9.093       | 1028          | 1038        | 1045         | rVB6     | 236772         | 801515        | 3.91%           | 0.208%        |
| 9         | 9.787       | 1151          | 1156        | 1166         | rVB4     | 248040         | 762333        | 3.72%           | 0.198%        |
| 10        | 9.963       | 1177          | 1186        | 1192         | rBV4     | 428118         | 1384391       | 6.76%           | 0.359%        |
| 11        | 10.028      | 1193          | 1197        | 1201         | rVV      | 467484         | 883713        | 4.31%           | 0.229%        |
| 12        | 10.528      | 1271          | 1282        | 1286         | rBV3     | 1532358        | 3497328       | 17.08%          | 0.908%        |
| 13        | 10.581      | 1286          | 1291        | 1300         | rVV      | 2984511        | 5595360       | 27.32%          | 1.452%        |
| 14        | 10.705      | 1307          | 1312        | 1317         | rVV2     | 880778         | 1480750       | 7.23%           | 0.384%        |
| 15        | 11.387      | 1421          | 1428        | 1434         | rBV5     | 285730         | 621359        | 3.03%           | 0.161%        |
| 16        | 11.575      | 1454          | 1460        | 1465         | rBV2     | 867961         | 1738977       | 8.49%           | 0.451%        |
| 17        | 11.728      | 1482          | 1486        | 1495         | rVB2     | 474514         | 1019500       | 4.98%           | 0.265%        |
| 18        | 12.099      | 1545          | 1549        | 1555         | rVB4     | 288635         | 622944        | 3.04%           | 0.162%        |
| 19        | 12.199      | 1559          | 1566        | 1575         | rVB      | 4014222        | 7057577       | 34.46%          | 1.832%        |
| 20        | 12.422      | 1592          | 1604        | 1613         | rBV      | 6229262        | 11246237      | 54.91%          | 2.919%        |
| 21        | 12.934      | 1687          | 1691        | 1696         | rVV      | 705146         | 1087110       | 5.31%           | 0.282%        |
| 22        | 13.004      | 1697          | 1703        | 1710         | rVB      | 5685822        | 9243224       | 45.13%          | 2.399%        |
| 23        | 13.216      | 1733          | 1739        | 1747         | rBV3     | 682903         | 1453252       | 7.10%           | 0.377%        |
| 24        | 13.416      | 1767          | 1773        | 1787         | rVB      | 2044846        | 4904044       | 23.94%          | 1.273%        |
| 25        | 13.551      | 1789          | 1796        | 1805         | rBV2     | 2727029        | 7065841       | 34.50%          | 1.834%        |
| 26        | 13.710      | 1816          | 1823        | 1828         | rBV      | 4468194        | 8376725       | 40.90%          | 2.174%        |
| 27        | 13.763      | 1828          | 1832        | 1842         | rVB      | 2678453        | 4453725       | 21.75%          | 1.156%        |
| 28        | 13.887      | 1849          | 1853        | 1857         | rVB2     | 549558         | 777972        | 3.80%           | 0.202%        |
| 29        | 13.946      | 1857          | 1863        | 1867         | rBV      | 2262144        | 3912604       | 19.10%          | 1.016%        |
| 30        | 14.110      | 1882          | 1891        | 1898         | rVB2     | 2127043        | 3943431       | 19.25%          | 1.024%        |
| 31        | 14.387      | 1929          | 1938        | 1943         | rVV3     | 1983806        | 4499619       | 21.97%          | 1.168%        |
| 32        | 14.451      | 1943          | 1949        | 1958         | rVV      | 4934552        | 8600951       | 41.99%          | 2.232%        |
| 33        | 14.604      | 1969          | 1975        | 1984         | rBV2     | 1065081        | 2731893       | 13.34%          | 0.709%        |
| 34        | 14.687      | 1984          | 1989        | 1995         | rBV6     | 504304         | 1053223       | 5.14%           | 0.273%        |
| 35        | 14.793      | 1996          | 2007        | 2014         | rVB2     | 2064689        | 4644631       | 22.68%          | 1.206%        |
| 36        | 14.869      | 2014          | 2020        | 2026         | rVB      | 1353892        | 2073219       | 10.12%          | 0.538%        |

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 ALS Vial : 10 Sample Multiplier: 1

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 BNA\_P  
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 20220388-COMP-CS-1

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-BP031722.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |          |          |         |        |
|----|--------|------|------|------|------|----------|----------|---------|--------|
| 37 | 14.928 | 2026 | 2030 | 2036 | rVB5 | 636915   | 977652   | 4.77%   | 0.254% |
| 38 | 15.010 | 2037 | 2044 | 2049 | rBV3 | 1140325  | 2644371  | 12.91%  | 0.686% |
| 39 | 15.063 | 2049 | 2053 | 2057 | rVB  | 905485   | 1254636  | 6.13%   | 0.326% |
| 40 | 15.181 | 2066 | 2073 | 2077 | rBV4 | 1039510  | 2490121  | 12.16%  | 0.646% |
| 41 | 15.263 | 2084 | 2087 | 2094 | rVB  | 596417   | 783045   | 3.82%   | 0.203% |
| 42 | 15.357 | 2095 | 2103 | 2105 | rBV6 | 470848   | 1205795  | 5.89%   | 0.313% |
| 43 | 15.387 | 2105 | 2108 | 2112 | rVB  | 714851   | 1005350  | 4.91%   | 0.261% |
| 44 | 15.445 | 2112 | 2118 | 2130 | rBV2 | 2872920  | 5626004  | 27.47%  | 1.460% |
| 45 | 15.540 | 2130 | 2134 | 2136 | rBV2 | 768959   | 1088597  | 5.32%   | 0.283% |
| 46 | 15.604 | 2142 | 2145 | 2149 | rVB5 | 629411   | 821543   | 4.01%   | 0.213% |
| 47 | 15.657 | 2149 | 2154 | 2163 | rVV4 | 1051720  | 2146637  | 10.48%  | 0.557% |
| 48 | 15.740 | 2163 | 2168 | 2179 | rVB4 | 702215   | 1696633  | 8.28%   | 0.440% |
| 49 | 15.893 | 2184 | 2194 | 2201 | rVB2 | 4275784  | 7933667  | 38.74%  | 2.059% |
| 50 | 15.969 | 2203 | 2207 | 2218 | rVB4 | 231966   | 669548   | 3.27%   | 0.174% |
| 51 | 16.128 | 2229 | 2234 | 2236 | rBV4 | 408748   | 689364   | 3.37%   | 0.179% |
| 52 | 16.457 | 2283 | 2290 | 2294 | rBV2 | 829791   | 1849138  | 9.03%   | 0.480% |
| 53 | 16.504 | 2294 | 2298 | 2305 | rVV2 | 714317   | 1038915  | 5.07%   | 0.270% |
| 54 | 16.604 | 2311 | 2315 | 2321 | rVB2 | 578790   | 961652   | 4.70%   | 0.250% |
| 55 | 16.892 | 2360 | 2364 | 2372 | rVV7 | 354483   | 966361   | 4.72%   | 0.251% |
| 56 | 16.969 | 2372 | 2377 | 2387 | rVB2 | 1472683  | 2799391  | 13.67%  | 0.727% |
| 57 | 17.157 | 2403 | 2409 | 2411 | rBV  | 1391777  | 2242680  | 10.95%  | 0.582% |
| 58 | 17.204 | 2411 | 2417 | 2423 | rVV  | 12161857 | 19092730 | 93.22%  | 4.956% |
| 59 | 17.292 | 2426 | 2432 | 2437 | rVB  | 4146594  | 6295682  | 30.74%  | 1.634% |
| 60 | 17.351 | 2437 | 2442 | 2447 | rBV2 | 534528   | 1018124  | 4.97%   | 0.264% |
| 61 | 17.569 | 2474 | 2479 | 2489 | rBV  | 765127   | 1581344  | 7.72%   | 0.410% |
| 62 | 17.739 | 2504 | 2508 | 2517 | rVB2 | 688583   | 1167812  | 5.70%   | 0.303% |
| 63 | 17.881 | 2528 | 2532 | 2540 | rVB  | 503306   | 964833   | 4.71%   | 0.250% |
| 64 | 18.034 | 2552 | 2558 | 2561 | rBV  | 2372377  | 3726590  | 18.20%  | 0.967% |
| 65 | 18.075 | 2561 | 2565 | 2573 | rVB  | 2961211  | 4582062  | 22.37%  | 1.189% |
| 66 | 18.157 | 2574 | 2579 | 2584 | rBV  | 1522335  | 2392917  | 11.68%  | 0.621% |
| 67 | 18.222 | 2584 | 2590 | 2594 | rVV2 | 3741262  | 7358756  | 35.93%  | 1.910% |
| 68 | 18.257 | 2594 | 2596 | 2602 | rVB  | 1909741  | 2193312  | 10.71%  | 0.569% |
| 69 | 18.516 | 2637 | 2640 | 2645 | rVB  | 1287177  | 1682616  | 8.22%   | 0.437% |
| 70 | 18.757 | 2676 | 2681 | 2685 | rVB  | 3227326  | 4308614  | 21.04%  | 1.118% |
| 71 | 18.928 | 2706 | 2710 | 2714 | rBV  | 1345269  | 2097971  | 10.24%  | 0.545% |
| 72 | 19.186 | 2748 | 2754 | 2759 | rBV  | 12835103 | 18232894 | 89.02%  | 4.732% |
| 73 | 19.239 | 2759 | 2763 | 2768 | rVV  | 4834813  | 6708701  | 32.76%  | 1.741% |
| 74 | 19.328 | 2775 | 2778 | 2782 | rVB  | 605859   | 841741   | 4.11%   | 0.218% |
| 75 | 19.422 | 2790 | 2794 | 2797 | rBV  | 559998   | 843506   | 4.12%   | 0.219% |
| 76 | 19.539 | 2805 | 2814 | 2822 | rBV  | 11054620 | 20481335 | 100.00% | 5.316% |

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 Sample : N2123-01  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 20220388-COMP-CS-1

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-BP031722.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|     |        |      |      |      |      |         |          |        |        |
|-----|--------|------|------|------|------|---------|----------|--------|--------|
| 77  | 19.610 | 2822 | 2826 | 2832 | rVB2 | 772091  | 1311358  | 6.40%  | 0.340% |
| 78  | 19.733 | 2838 | 2847 | 2852 | rBV  | 7047650 | 10516249 | 51.35% | 2.729% |
| 79  | 19.857 | 2863 | 2868 | 2874 | rBV3 | 916653  | 2106973  | 10.29% | 0.547% |
| 80  | 19.945 | 2880 | 2883 | 2887 | rBV  | 1030453 | 1293936  | 6.32%  | 0.336% |
| 81  | 20.028 | 2887 | 2897 | 2903 | rVB  | 2935095 | 5570024  | 27.20% | 1.446% |
| 82  | 20.122 | 2909 | 2913 | 2917 | rBV  | 2775217 | 3608524  | 17.62% | 0.937% |
| 83  | 20.181 | 2918 | 2923 | 2927 | rVV2 | 1349716 | 1878821  | 9.17%  | 0.488% |
| 84  | 20.316 | 2943 | 2946 | 2950 | rBV  | 843776  | 1072157  | 5.23%  | 0.278% |
| 85  | 20.363 | 2950 | 2954 | 2958 | rVB  | 1020352 | 1415985  | 6.91%  | 0.368% |
| 86  | 20.922 | 3046 | 3049 | 3052 | rBV  | 826661  | 1109642  | 5.42%  | 0.288% |
| 87  | 20.957 | 3052 | 3055 | 3059 | rVV  | 1179038 | 1542762  | 7.53%  | 0.400% |
| 88  | 20.998 | 3059 | 3062 | 3067 | rVB2 | 827058  | 1088091  | 5.31%  | 0.282% |
| 89  | 21.263 | 3102 | 3107 | 3112 | rBV2 | 8340750 | 14096775 | 68.83% | 3.659% |
| 90  | 21.310 | 3112 | 3115 | 3124 | rVB  | 6245701 | 8920220  | 43.55% | 2.315% |
| 91  | 21.392 | 3124 | 3129 | 3132 | rBV  | 4064224 | 5732645  | 27.99% | 1.488% |
| 92  | 21.428 | 3133 | 3135 | 3142 | rVB  | 1361630 | 1832419  | 8.95%  | 0.476% |
| 93  | 21.845 | 3203 | 3206 | 3210 | rVB  | 1326128 | 1733872  | 8.47%  | 0.450% |
| 94  | 22.939 | 3385 | 3392 | 3397 | rBV  | 4411616 | 11292012 | 55.13% | 2.931% |
| 95  | 23.116 | 3418 | 3422 | 3429 | rVB  | 1140756 | 2134974  | 10.42% | 0.554% |
| 96  | 23.451 | 3473 | 3479 | 3488 | rVB  | 2795269 | 5873523  | 28.68% | 1.524% |
| 97  | 23.557 | 3490 | 3497 | 3504 | rVB  | 4692690 | 9574551  | 46.75% | 2.485% |
| 98  | 23.657 | 3509 | 3514 | 3519 | rBV2 | 1155862 | 2304541  | 11.25% | 0.598% |
| 99  | 26.139 | 3928 | 3936 | 3950 | rVB  | 2275622 | 7598373  | 37.10% | 1.972% |
| 100 | 26.898 | 4057 | 4065 | 4086 | rVB  | 1542997 | 5469112  | 26.70% | 1.420% |

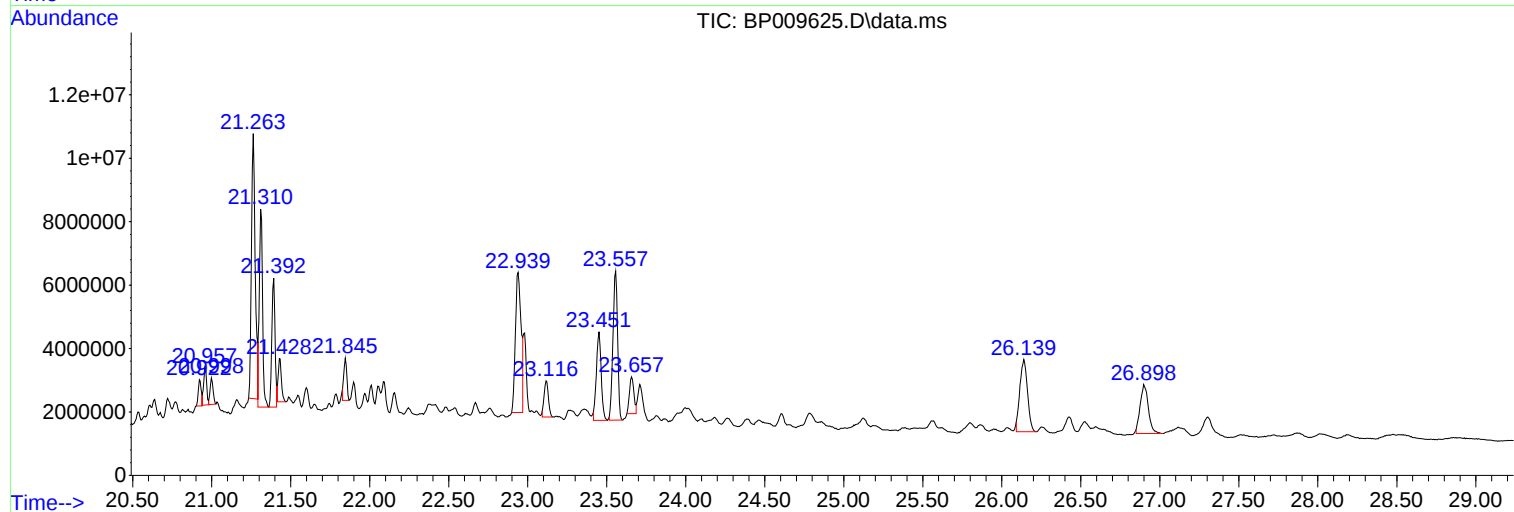
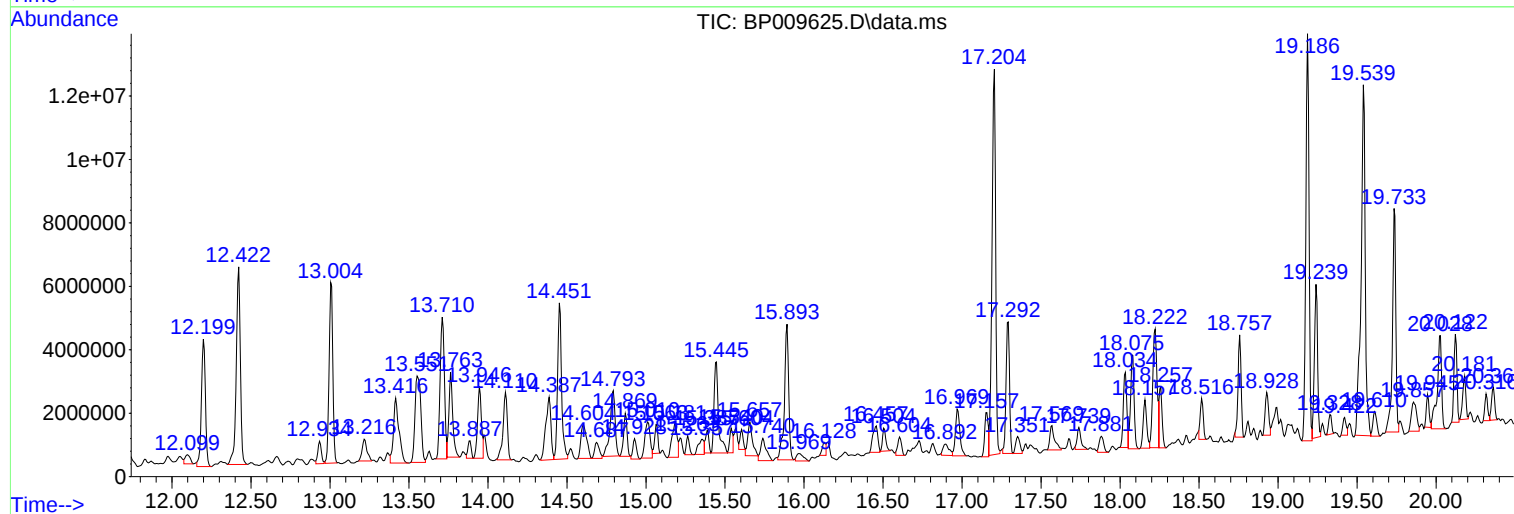
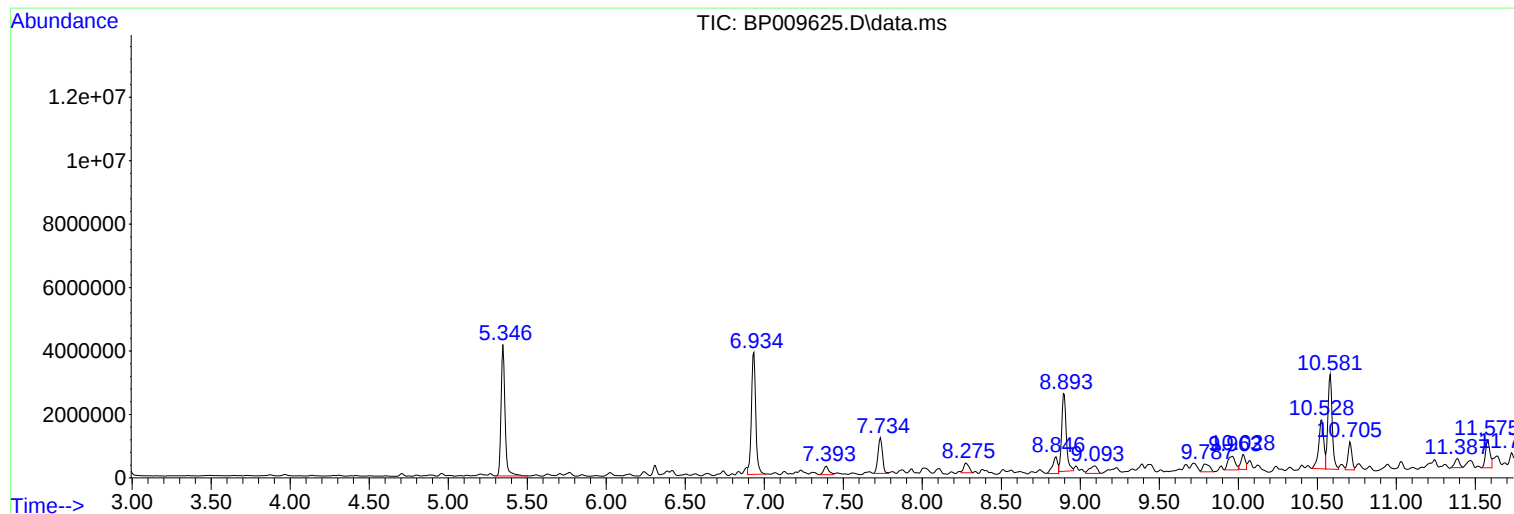
Sum of corrected areas: 385281866

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Data File : BP009625.D  
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Instrument :  
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ClientSampleId :  
20220388-COMP-CS-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP031722.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\BP033022\  
Data File : BP009625.D  
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Sample : N2123-01  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
20220388-COMP-CS-1

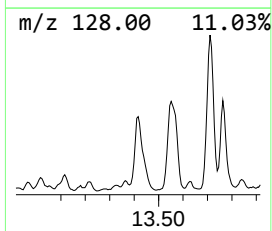
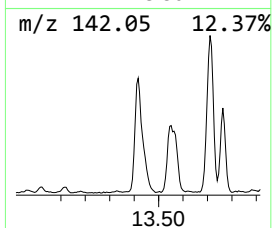
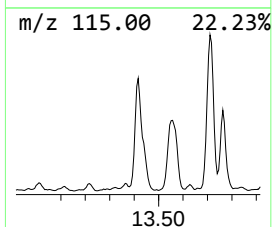
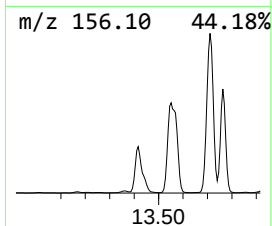
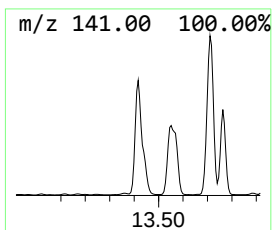
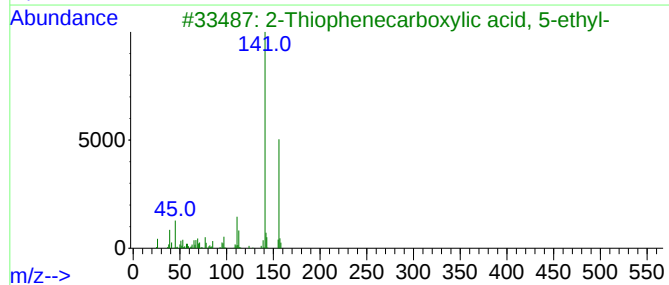
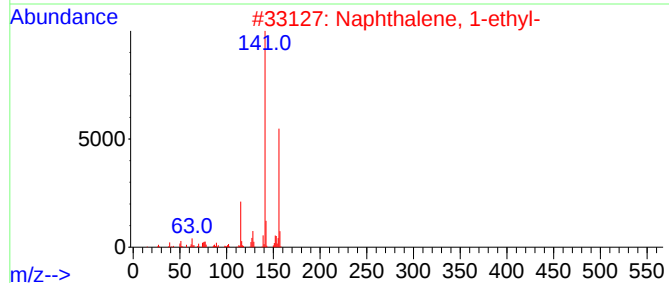
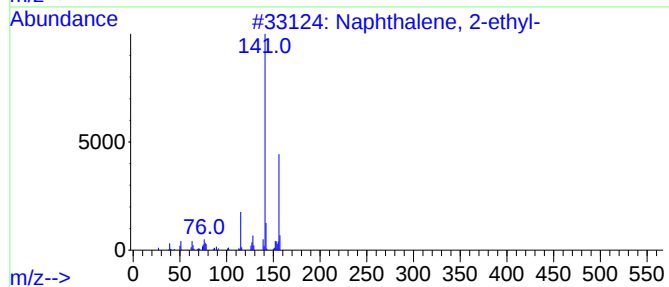
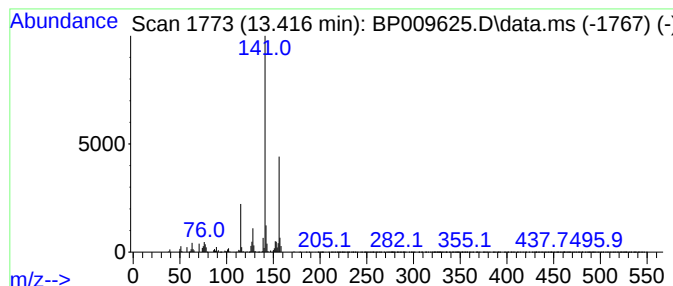
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP031722.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 Naphthalene, 2-ethyl- Concentration Rank 9

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 13.416 | 21.80 ng | 4904040 | Acenaphthene-d10 | 14.387 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Naphthalene, 2-ethyl-               | 156 | C12H12   | 000939-27-5 | 97   |
| 2    |    |   | Naphthalene, 1-ethyl-               | 156 | C12H12   | 001127-76-0 | 96   |
| 3    |    |   | 2-Thiophenecarboxylic acid, 5-et... | 156 | C7H8O2S  | 023229-72-3 | 64   |
| 4    |    |   | 2-Amino-4-tertbutylthiazole         | 156 | C7H12N2S | 074370-93-7 | 59   |
| 5    |    |   | 4-(Methylsulfinyl)phenol            | 156 | C7H8O2S  | 014763-64-5 | 58   |



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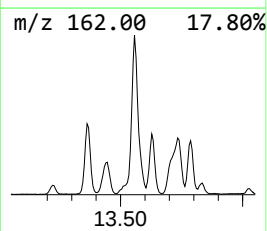
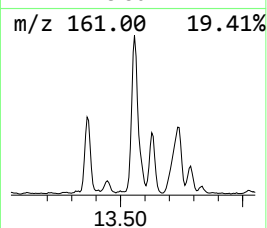
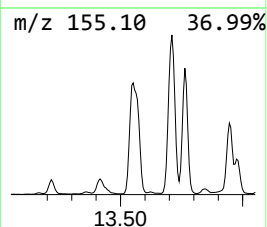
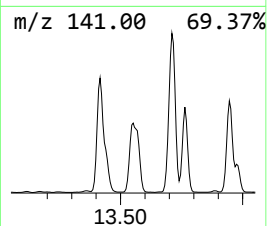
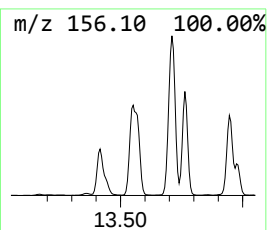
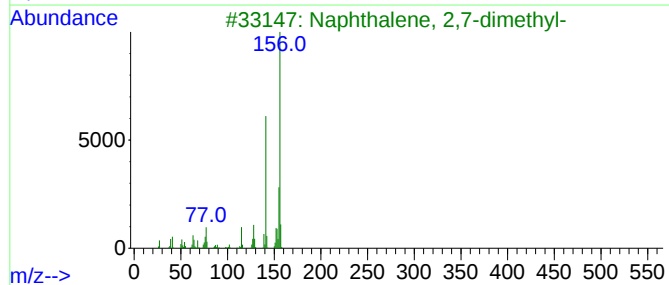
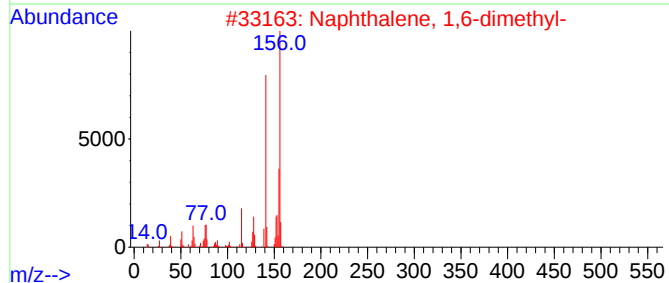
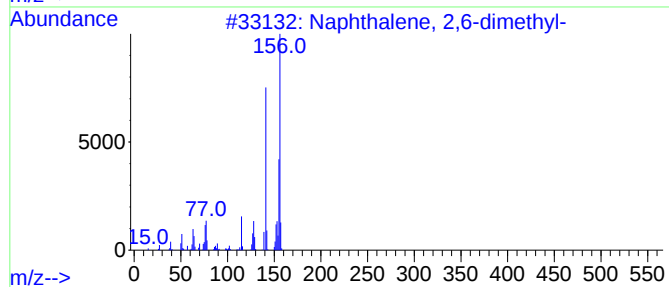
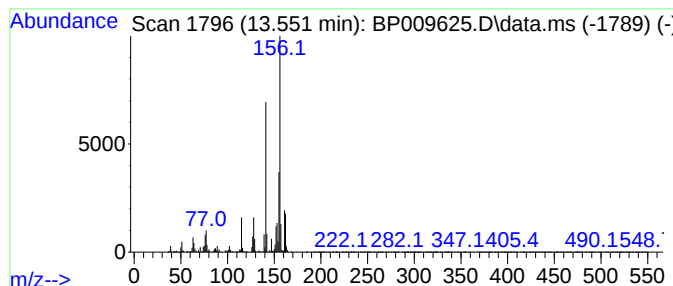
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 2 Naphthalene, 2,6-dimethyl- Concentration Rank 7

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 13.552 | 31.41 ng | 7065840 | Acenaphthene-d10 | 14.387 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 2,6-dimethyl- | 156 | C12H12  | 000581-42-0 | 97   |
| 2    |    |   | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 96   |
| 3    |    |   | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 96   |
| 4    |    |   | Naphthalene, 1,3-dimethyl- | 156 | C12H12  | 000575-41-7 | 96   |
| 5    |    |   | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 96   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP033022\  
Data File : BP009625.D  
Acq On : 30 Mar 2022 18:47  
Operator : CG/JU  
Sample : N2123-01  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
20220388-COMP-CS-1

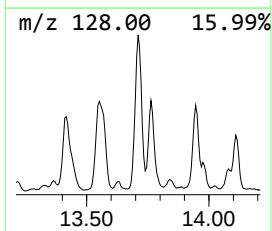
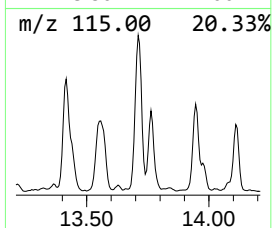
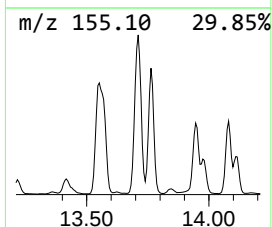
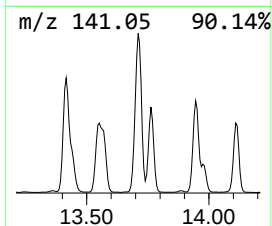
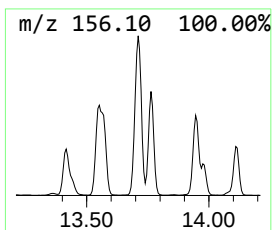
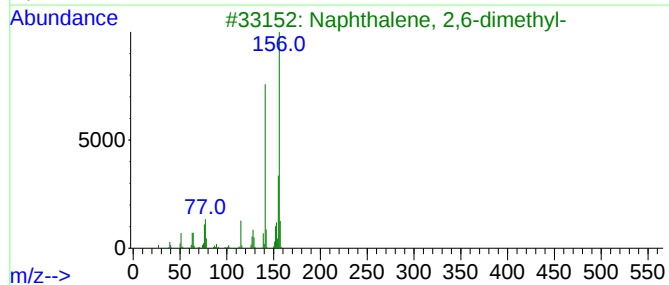
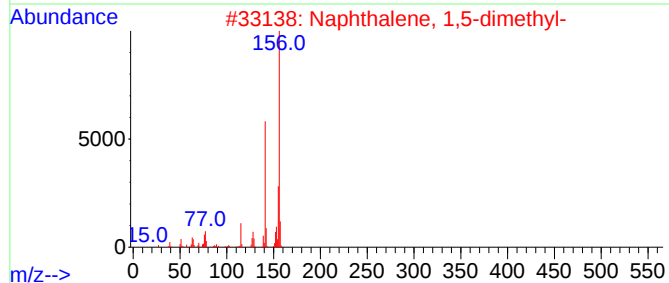
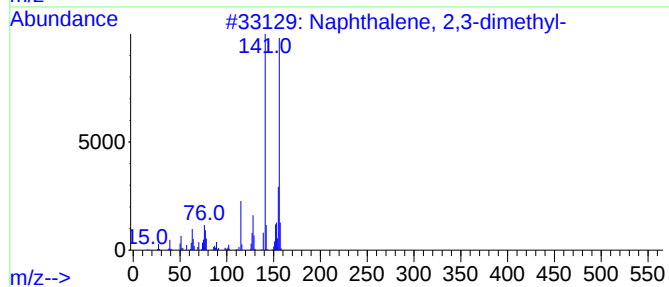
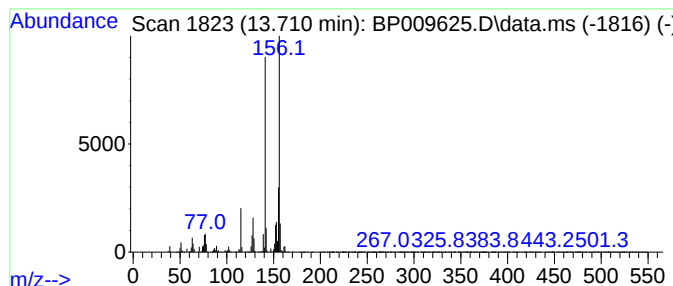
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 5

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 13.710 | 37.23 ng | 8376730 | Acenaphthene-d10 | 14.387 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 98   |
| 2    |    |   | Naphthalene, 1,5-dimethyl- | 156 | C12H12  | 000571-61-9 | 97   |
| 3    |    |   | Naphthalene, 2,6-dimethyl- | 156 | C12H12  | 000581-42-0 | 97   |
| 4    |    |   | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 97   |
| 5    |    |   | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 97   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP033022\  
Data File : BP009625.D  
Acq On : 30 Mar 2022 18:47  
Operator : CG/JU  
Sample : N2123-01  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
20220388-COMP-CS-1

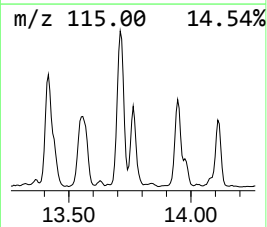
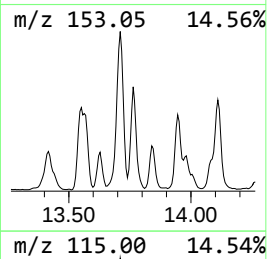
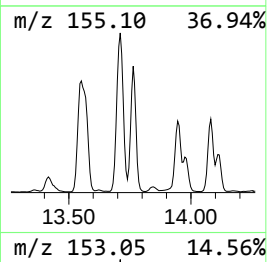
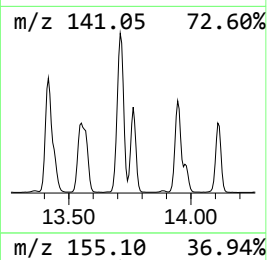
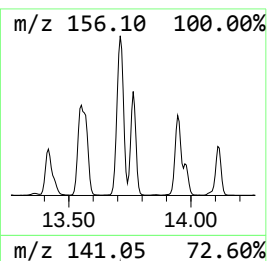
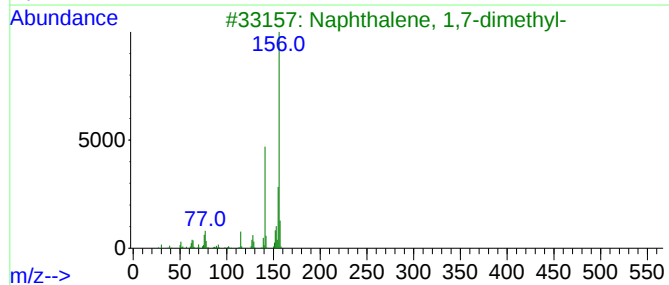
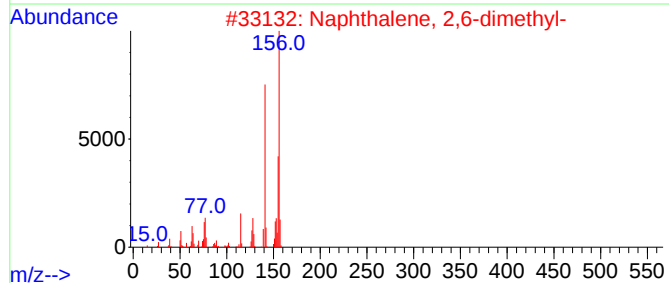
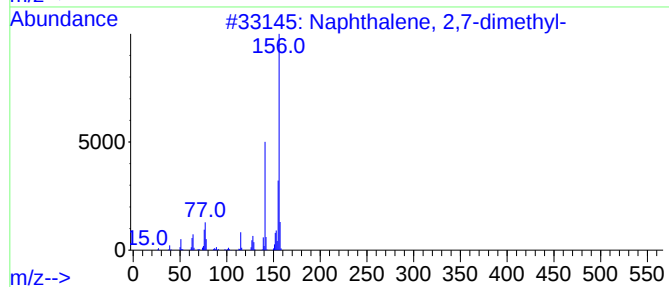
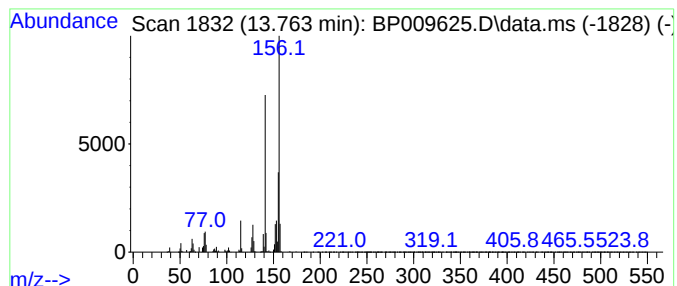
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 4 Naphthalene, 2,7-dimethyl- Concentration Rank 11

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 13.763 | 19.80 ng | 4453730 | Acenaphthene-d10 | 14.387 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 97   |
| 2    |    |   | Naphthalene, 2,6-dimethyl- | 156 | C12H12  | 000581-42-0 | 97   |
| 3    |    |   | Naphthalene, 1,7-dimethyl- | 156 | C12H12  | 000575-37-1 | 97   |
| 4    |    |   | Naphthalene, 1,4-dimethyl- | 156 | C12H12  | 000571-58-4 | 97   |
| 5    |    |   | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 97   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP033022\  
Data File : BP009625.D  
Acq On : 30 Mar 2022 18:47  
Operator : CG/JU  
Sample : N2123-01  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
20220388-COMP-CS-1

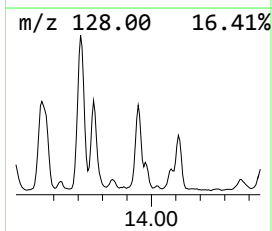
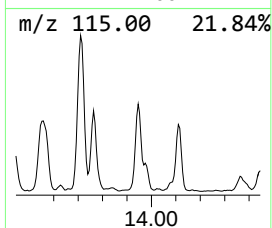
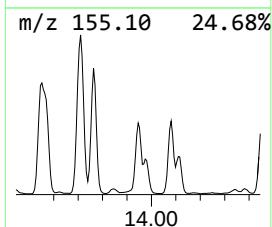
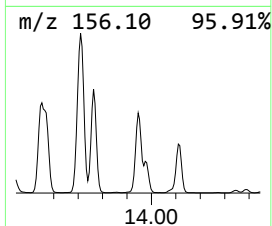
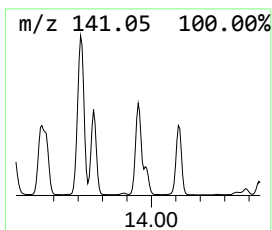
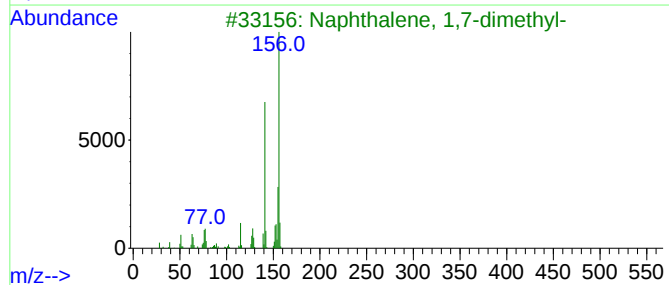
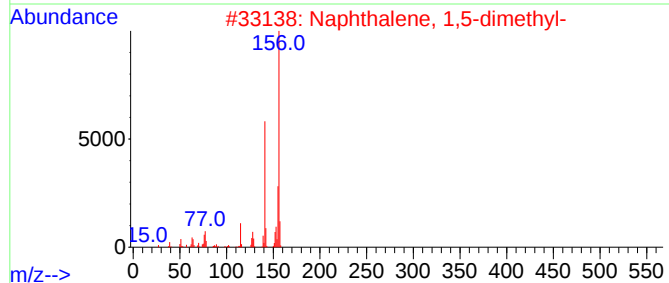
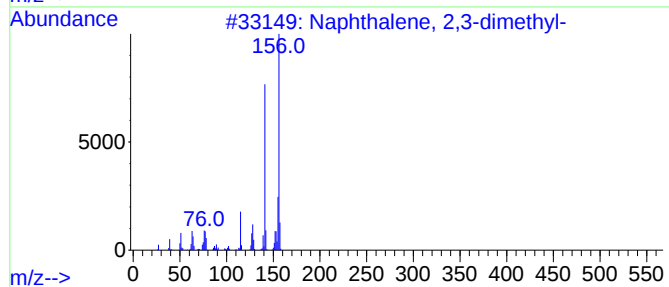
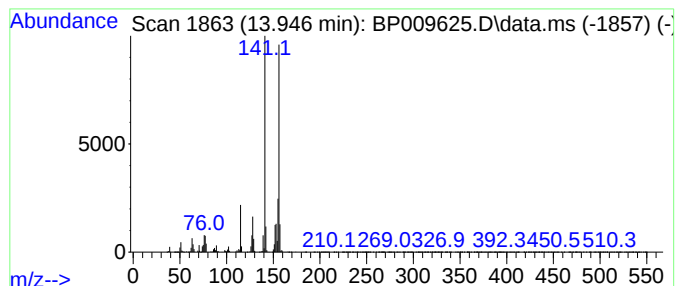
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 5 Naphthalene, 1,5-dimethyl- Concentration Rank 15

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 13.946 | 17.39 ng | 3912600 | Acenaphthene-d10 | 14.387 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 97   |
| 2    |    |   | Naphthalene, 1,5-dimethyl- | 156 | C12H12  | 000571-61-9 | 97   |
| 3    |    |   | Naphthalene, 1,7-dimethyl- | 156 | C12H12  | 000575-37-1 | 97   |
| 4    |    |   | Naphthalene, 1,2-dimethyl- | 156 | C12H12  | 000573-98-8 | 97   |
| 5    |    |   | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 96   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP033022\  
Data File : BP009625.D  
Acq On : 30 Mar 2022 18:47  
Operator : CG/JU  
Sample : N2123-01  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
20220388-COMP-CS-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP031722.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

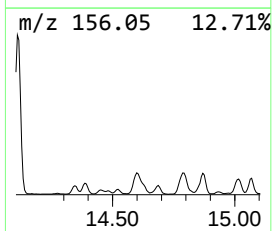
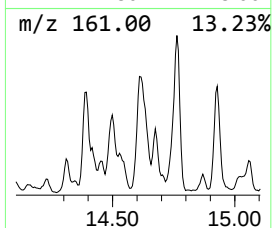
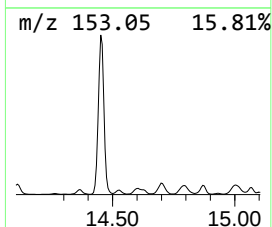
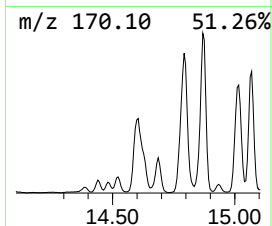
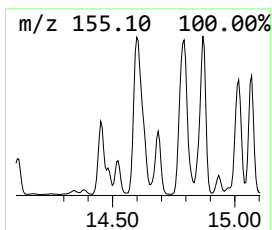
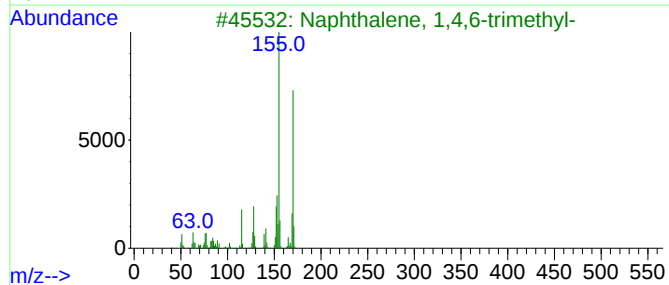
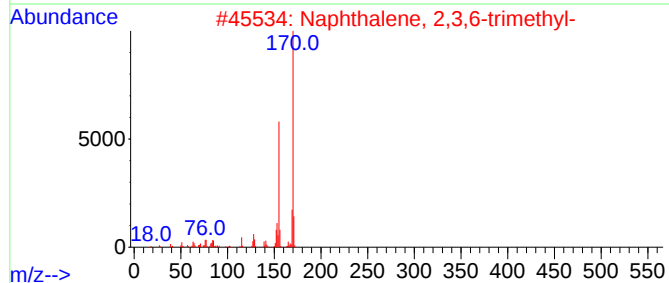
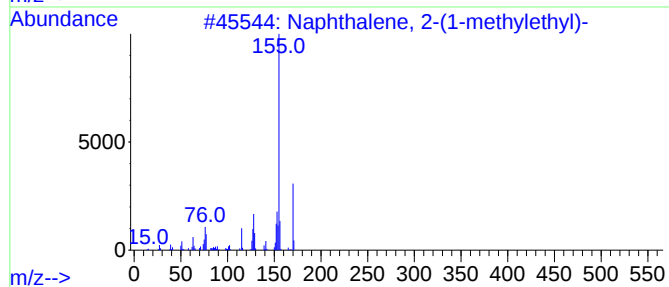
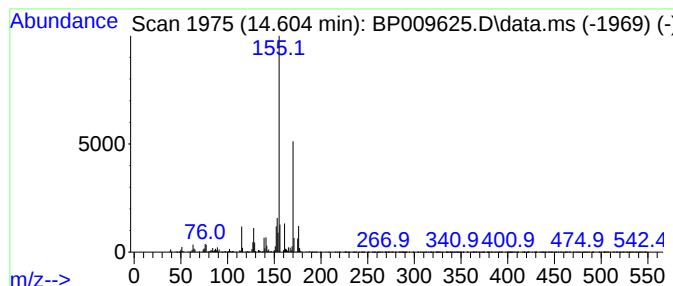
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TIC Integration Parameters: LSCINT.P

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Peak Number 6 Naphthalene, 2-(1-methyleth... Concentration Rank 18

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 14.604 | 12.14 ng | 2731890 | Acenaphthene-d10 | 14.387 |

| Hit# | of 5 | Tentative ID                    | MW  | MolForm | CAS#        | Qual |
|------|------|---------------------------------|-----|---------|-------------|------|
| 1    |      | Naphthalene, 2-(1-methylethyl)- | 170 | C13H14  | 002027-17-0 | 94   |
| 2    |      | Naphthalene, 2,3,6-trimethyl-   | 170 | C13H14  | 000829-26-5 | 91   |
| 3    |      | Naphthalene, 1,4,6-trimethyl-   | 170 | C13H14  | 002131-42-2 | 91   |
| 4    |      | Naphthalene, 1,6,7-trimethyl-   | 170 | C13H14  | 002245-38-7 | 83   |
| 5    |      | 2-Naphthyl methyl ketone        | 170 | C12H10O | 000093-08-3 | 64   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP033022\  
Data File : BP009625.D  
Acq On : 30 Mar 2022 18:47  
Operator : CG/JU  
Sample : N2123-01  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
20220388-COMP-CS-1

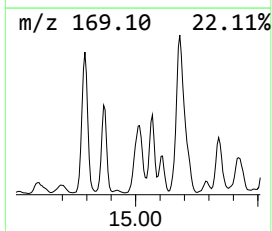
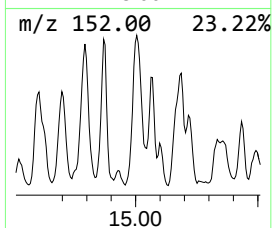
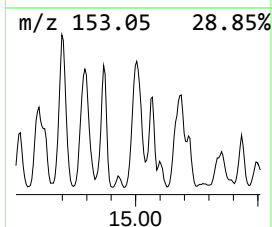
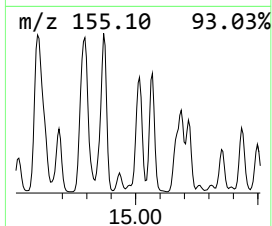
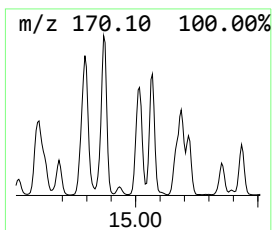
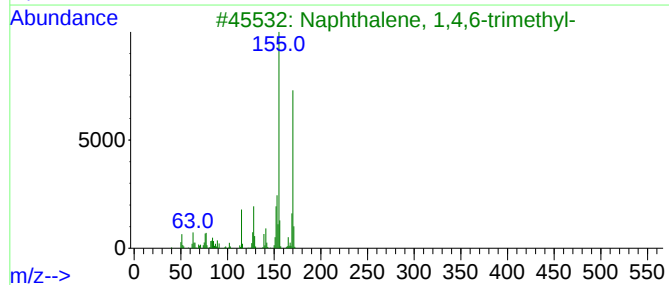
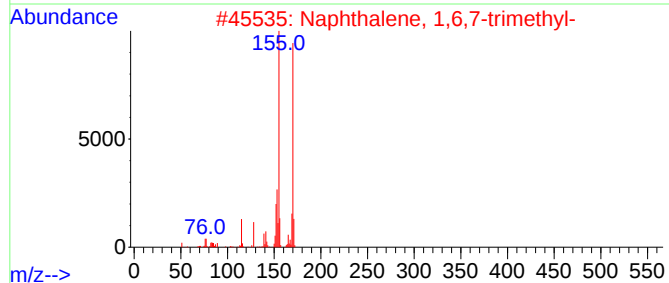
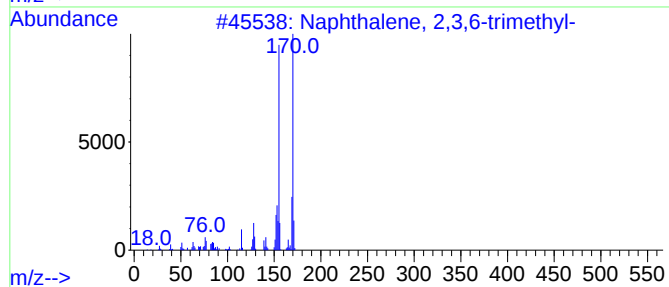
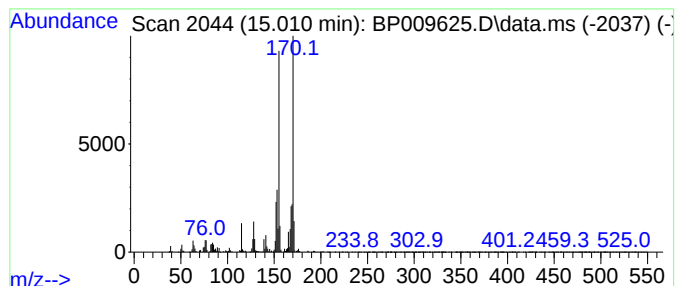
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 7 Naphthalene, 2,3,6-trimethyl- Concentration Rank 19

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 15.010 | 11.75 ng | 2644370 | Acenaphthene-d10 | 14.387 |

| Hit# | of | 5 | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 2,3,6-trimethyl- | 170 | C13H14  | 000829-26-5 | 96   |
| 2    |    |   | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14  | 002245-38-7 | 96   |
| 3    |    |   | Naphthalene, 1,4,6-trimethyl- | 170 | C13H14  | 002131-42-2 | 96   |
| 4    |    |   | Naphthalene, 1,4,5-trimethyl- | 170 | C13H14  | 002131-41-1 | 96   |
| 5    |    |   | 4,6,8-Trimethylazulene        | 170 | C13H14  | 000941-81-1 | 90   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP033022\  
Data File : BP009625.D  
Acq On : 30 Mar 2022 18:47  
Operator : CG/JU  
Sample : N2123-01  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

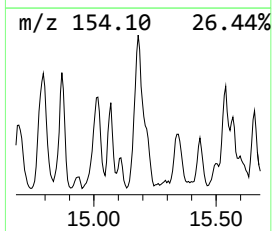
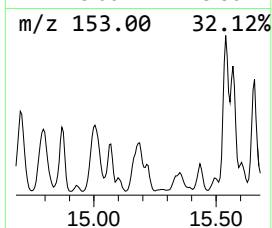
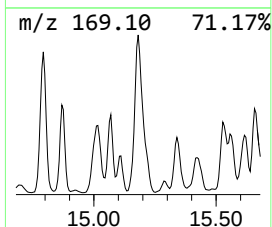
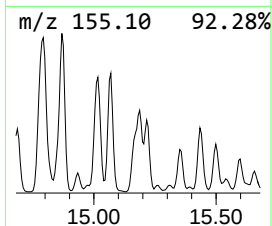
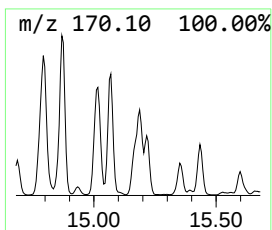
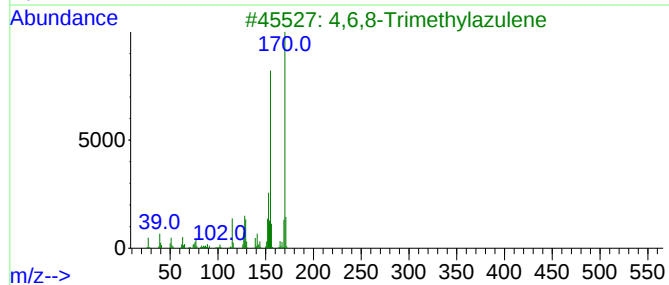
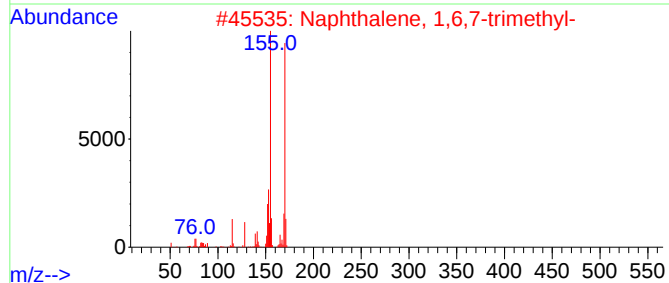
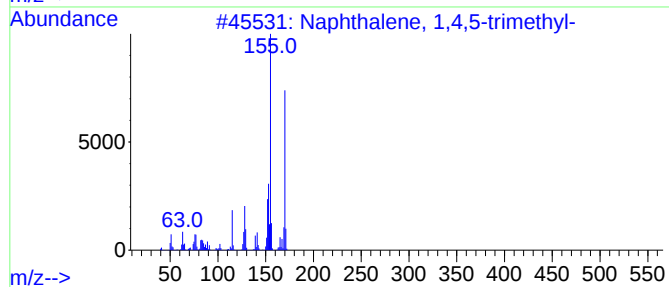
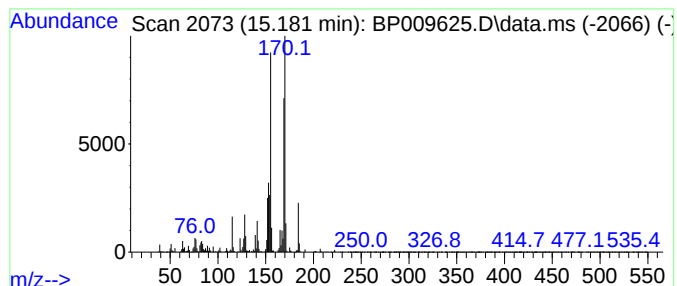
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ClientSampleId :  
20220388-COMP-CS-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP031722.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 8 Naphthalene, 1,4,5-trimethyl- Concentration Rank 20

| R.T.      | EstConc                             | Area    | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|---------|------------------|--------------|------|
| 15.181    | 11.07 ng                            | 2490120 | Acenaphthene-d10 | 14.387       |      |
| Hit# of 5 | Tentative ID                        | MW      | MolForm          | CAS#         | Qual |
| 1         | Naphthalene, 1,4,5-trimethyl-       | 170     | C13H14           | 002131-41-1  | 94   |
| 2         | Naphthalene, 1,6,7-trimethyl-       | 170     | C13H14           | 002245-38-7  | 93   |
| 3         | 4,6,8-Trimethylazulene              | 170     | C13H14           | 000941-81-1  | 76   |
| 4         | 1-(2,2-Dimethylcyclopropyl)-2-ph... | 170     | C13H14           | 1000294-91-1 | 76   |
| 5         | Naphthalene, 1,4,6-trimethyl-       | 170     | C13H14           | 002131-42-2  | 76   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP033022\  
Data File : BP009625.D  
Acq On : 30 Mar 2022 18:47  
Operator : CG/JU  
Sample : N2123-01  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
20220388-COMP-CS-1

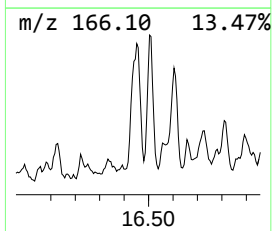
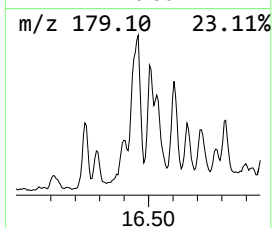
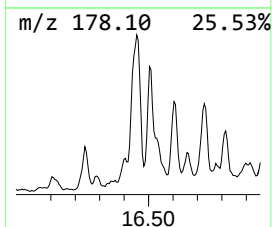
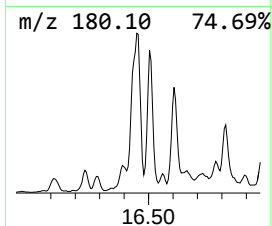
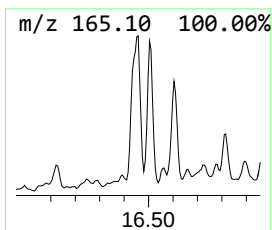
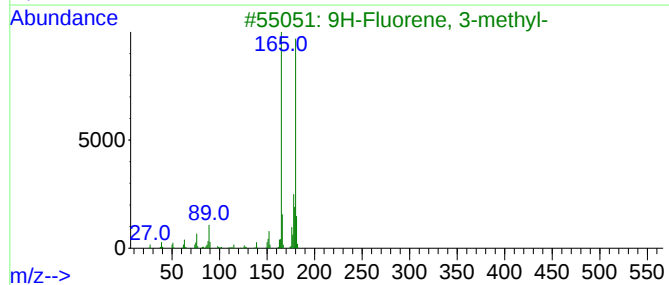
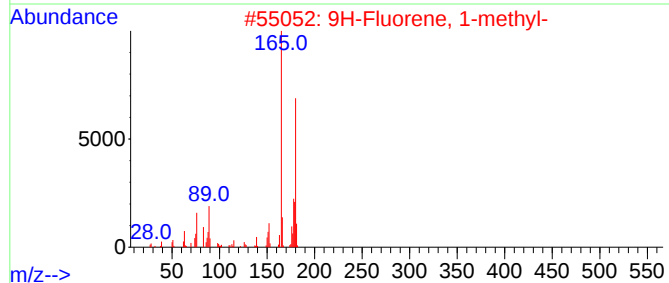
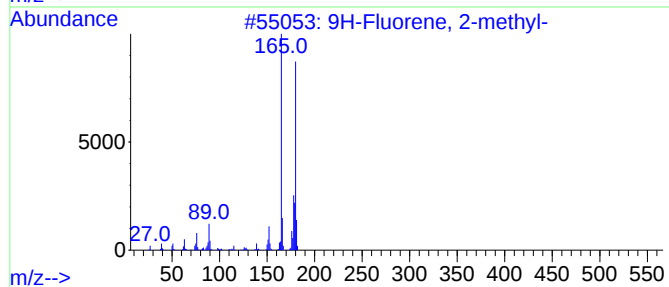
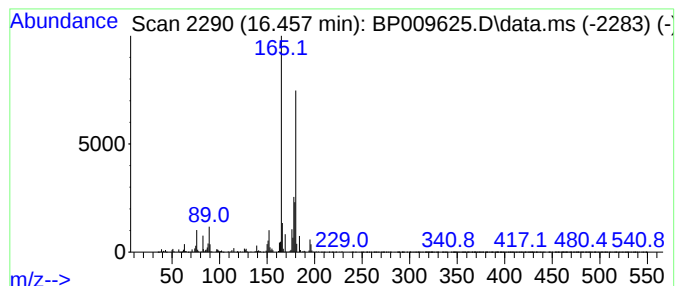
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 9 9H-Fluorene, 2-methyl- Concentration Rank 16

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 16.457 | 16.49 ng | 1849140 | Phenanthrene-d10 | 17.151 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 9H-Fluorene, 2-methyl-              | 180 | C14H12   | 001430-97-3 | 93   |
| 2    |    |   | 9H-Fluorene, 1-methyl-              | 180 | C14H12   | 001730-37-6 | 93   |
| 3    |    |   | 9H-Fluorene, 3-methyl-              | 180 | C14H12   | 002523-39-9 | 90   |
| 4    |    |   | 9H-Fluorene, 9-methyl-              | 180 | C14H12   | 002523-37-7 | 81   |
| 5    |    |   | (3H)Benzo[c]pyrrole, 3-methyl-3-... | 208 | C14H12N2 | 059341-20-7 | 58   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP033022\  
Data File : BP009625.D  
Acq On : 30 Mar 2022 18:47  
Operator : CG/JU  
Sample : N2123-01  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
20220388-COMP-CS-1

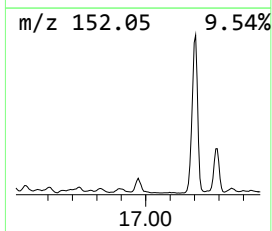
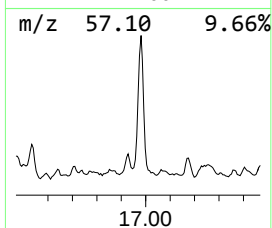
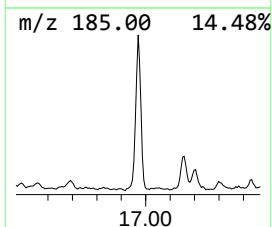
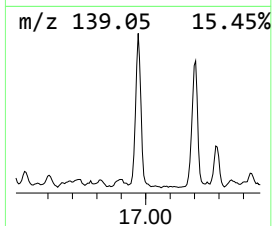
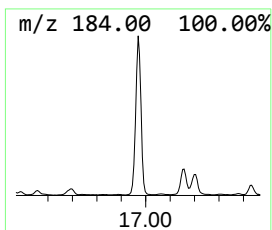
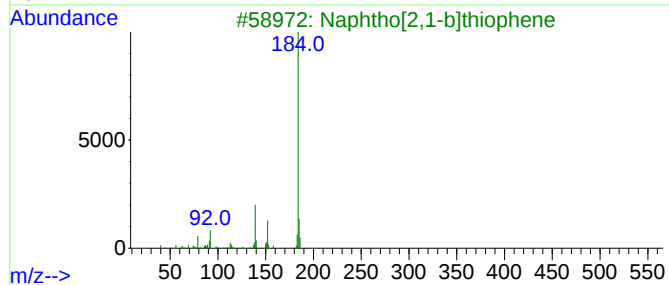
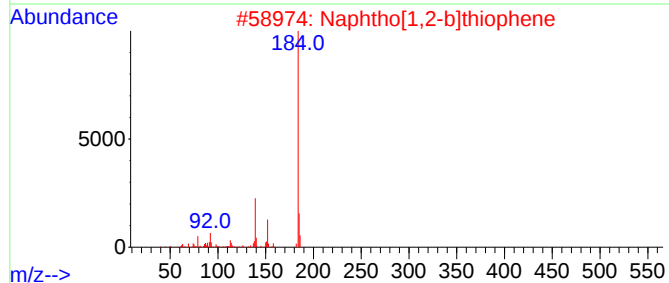
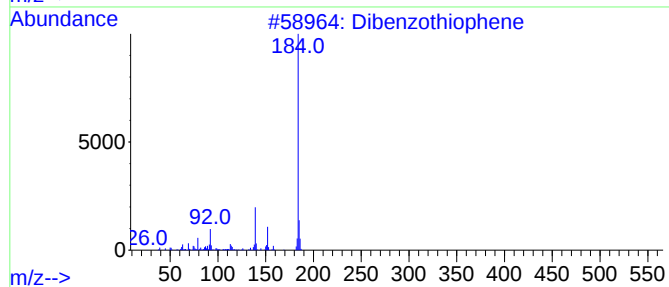
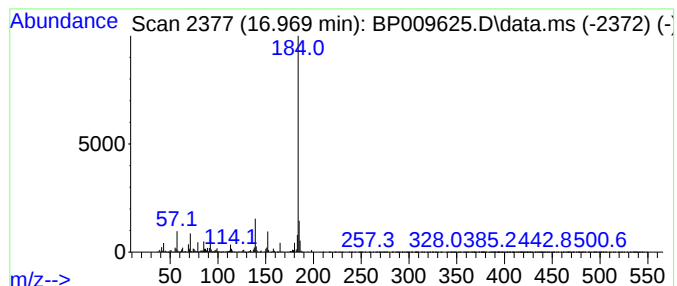
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 10 Dibenzothiophene Concentration Rank 8

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 16.969 | 24.96 ng | 2799390 | Phenanthrene-d10 | 17.151 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------|-----|---------|-------------|------|
| 1    |    |   | Dibenzothiophene        | 184 | C12H8S  | 000132-65-0 | 95   |
| 2    |    |   | Naphtho[1,2-b]thiophene | 184 | C12H8S  | 000234-41-3 | 94   |
| 3    |    |   | Naphtho[2,1-b]thiophene | 184 | C12H8S  | 000233-02-3 | 94   |
| 4    |    |   | Naphtho[2,3-b]thiophene | 184 | C12H8S  | 000268-77-9 | 93   |
| 5    |    |   | Azuleno(2,1-b)thiophene | 184 | C12H8S  | 000248-13-5 | 90   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP033022\  
Data File : BP009625.D  
Acq On : 30 Mar 2022 18:47  
Operator : CG/JU  
Sample : N2123-01  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
20220388-COMP-CS-1

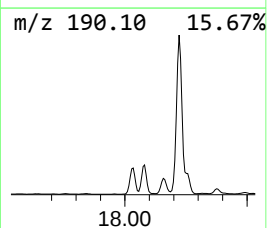
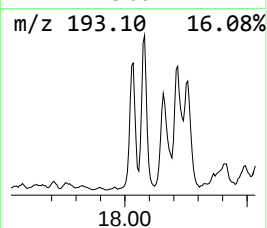
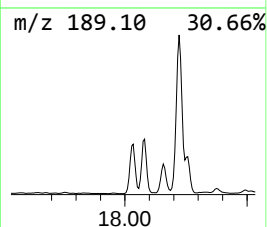
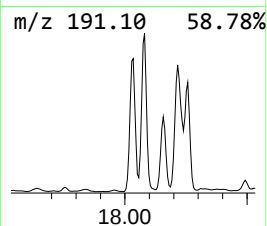
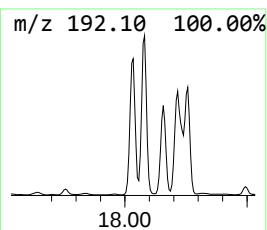
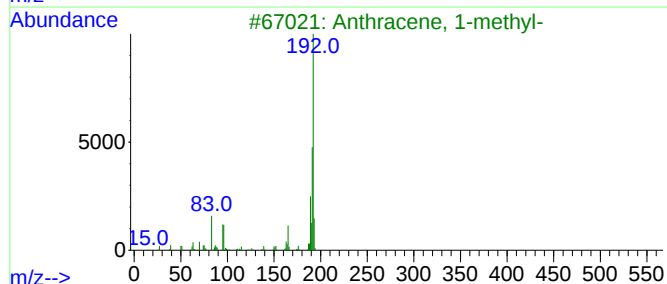
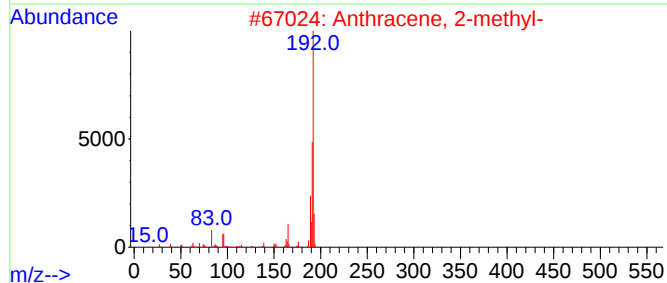
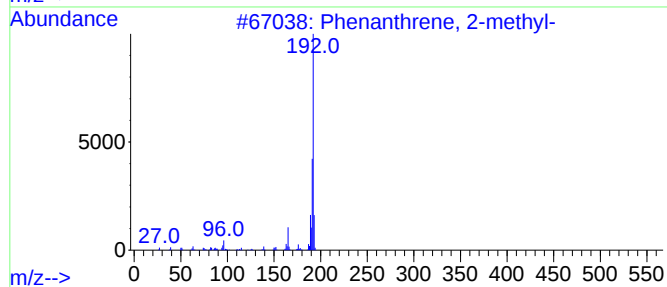
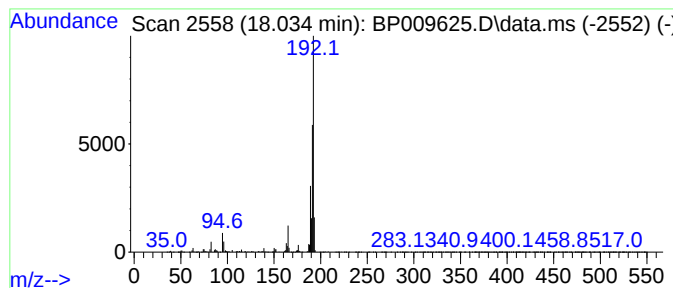
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 6

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 18.034 | 33.23 ng | 3726590 | Phenanthrene-d10 | 17.151 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Phenanthrene, 2-methyl-     | 192 | C15H12  | 002531-84-2 | 96   |
| 2    |    |   | Anthracene, 2-methyl-       | 192 | C15H12  | 000613-12-7 | 95   |
| 3    |    |   | Anthracene, 1-methyl-       | 192 | C15H12  | 000610-48-0 | 94   |
| 4    |    |   | Anthracene, 9-methyl-       | 192 | C15H12  | 000779-02-2 | 93   |
| 5    |    |   | Naphtho[2,3-b]norbornadiene | 192 | C15H12  | 107426-38-0 | 90   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP033022\  
Data File : BP009625.D  
Acq On : 30 Mar 2022 18:47  
Operator : CG/JU  
Sample : N2123-01  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
20220388-COMP-CS-1

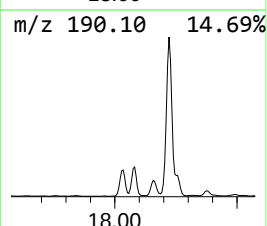
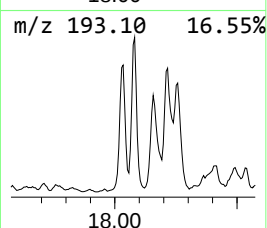
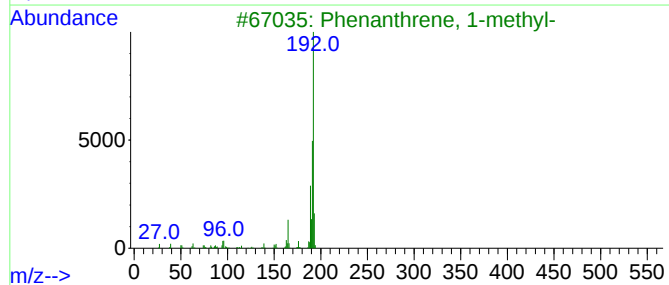
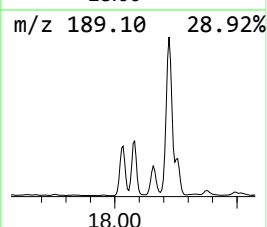
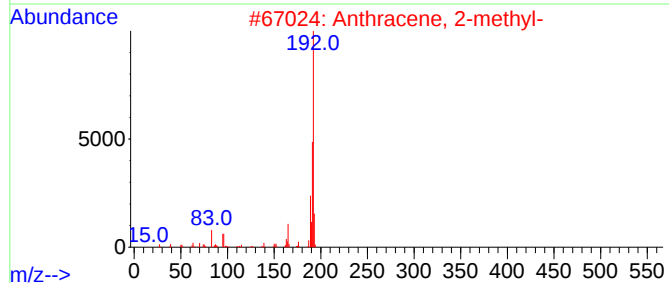
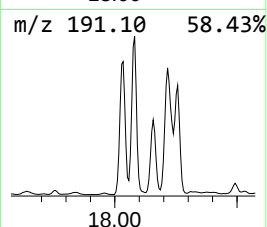
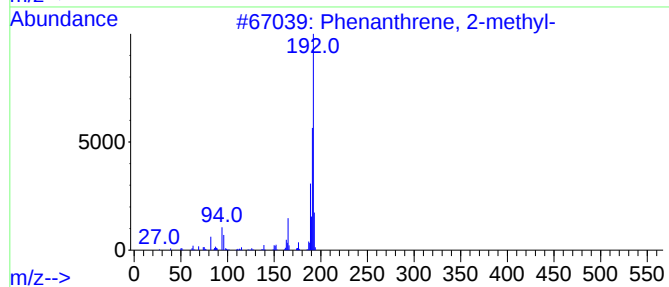
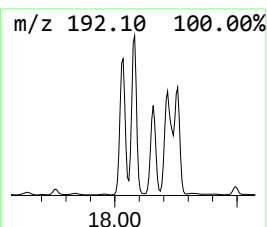
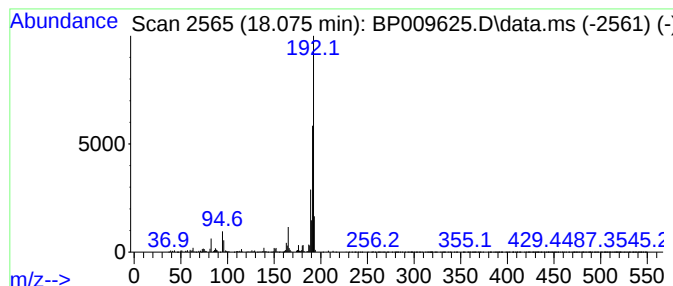
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 12 Anthracene, 2-methyl- Concentration Rank 3

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 18.075 | 40.86 ng | 4582060 | Phenanthrene-d10 | 17.151 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Phenanthrene, 2-methyl-             | 192 | C15H12  | 002531-84-2 | 98   |
| 2    |    |   | Anthracene, 2-methyl-               | 192 | C15H12  | 000613-12-7 | 96   |
| 3    |    |   | Phenanthrene, 1-methyl-             | 192 | C15H12  | 000832-69-9 | 96   |
| 4    |    |   | 1H-Cyclopropa[1]phenanthrene,1a,... | 192 | C15H12  | 000949-41-7 | 95   |
| 5    |    |   | 1H-Indene, 2-phenyl-                | 192 | C15H12  | 004505-48-0 | 94   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP033022\  
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Operator : CG/JU  
Sample : N2123-01  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

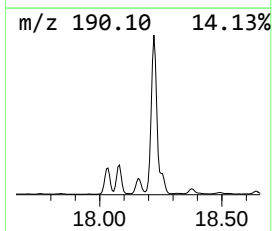
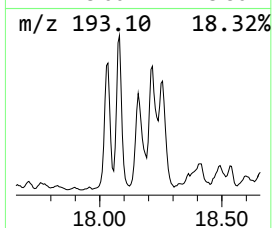
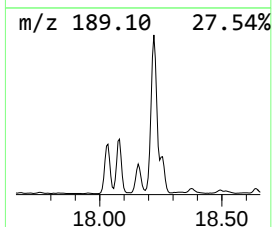
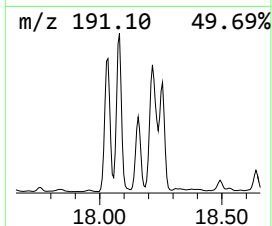
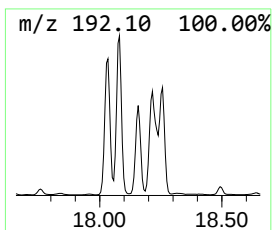
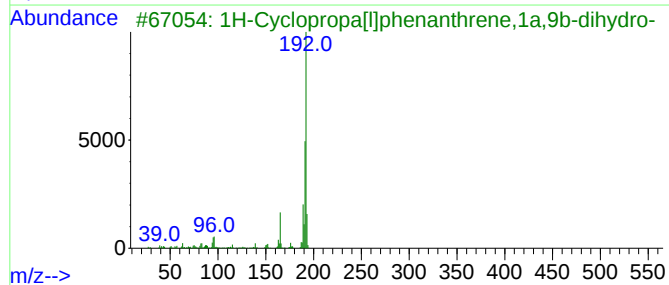
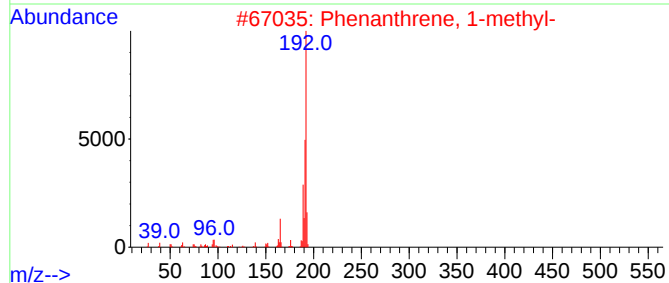
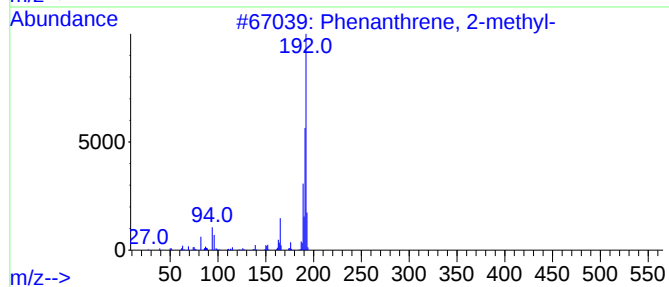
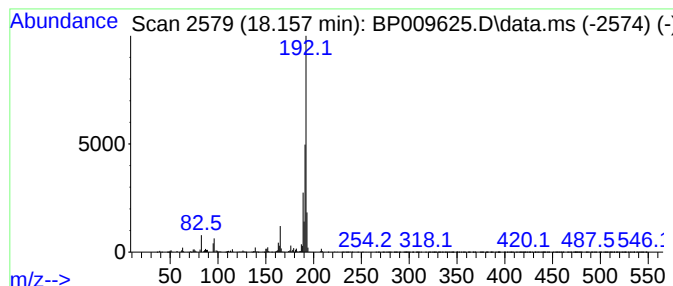
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BNA\_P  
ClientSampleId :  
20220388-COMP-CS-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP031722.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 13 Phenanthrene, 1-methyl- Concentration Rank 10

| R.T.      | EstConc                             | Area    | Relative to ISTD |         |             | R.T.   |
|-----------|-------------------------------------|---------|------------------|---------|-------------|--------|
| 18.157    | 21.34 ng                            | 2392920 | Phenanthrene-d10 |         |             | 17.151 |
| Hit# of 5 | Tentative ID                        |         | MW               | MolForm | CAS#        | Qual   |
| 1         | Phenanthrene, 2-methyl-             |         | 192              | C15H12  | 002531-84-2 | 97     |
| 2         | Phenanthrene, 1-methyl-             |         | 192              | C15H12  | 000832-69-9 | 96     |
| 3         | 1H-Cyclopropa[1]phenanthrene,1a,... |         | 192              | C15H12  | 000949-41-7 | 96     |
| 4         | Phenanthrene, 4-methyl-             |         | 192              | C15H12  | 000832-64-4 | 95     |
| 5         | Anthracene, 2-methyl-               |         | 192              | C15H12  | 000613-12-7 | 95     |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP033022\  
Data File : BP009625.D  
Acq On : 30 Mar 2022 18:47  
Operator : CG/JU  
Sample : N2123-01  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
20220388-COMP-CS-1

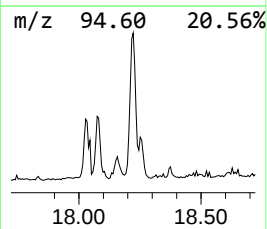
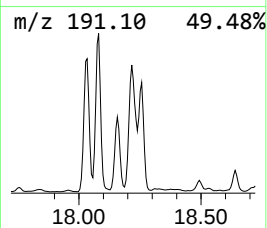
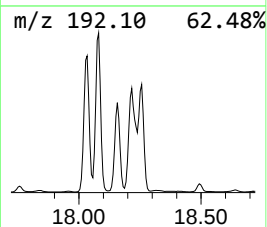
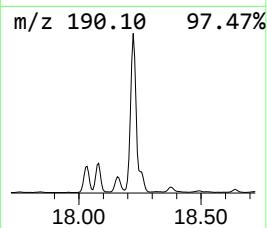
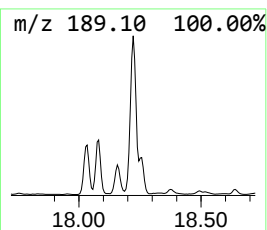
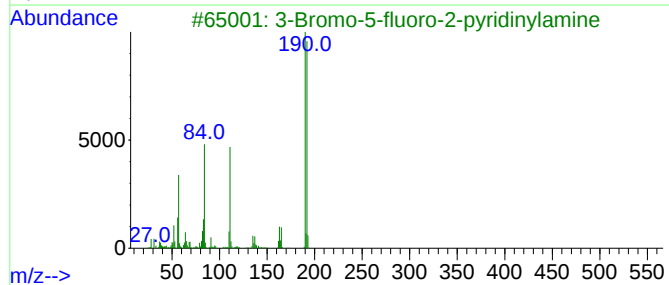
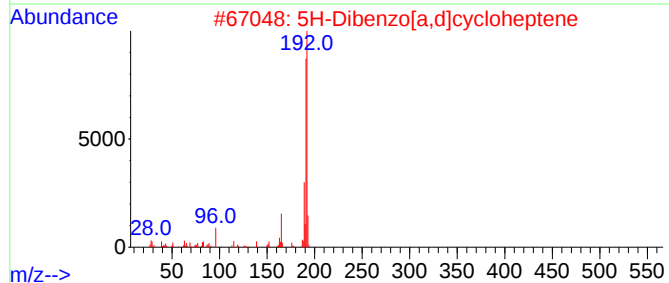
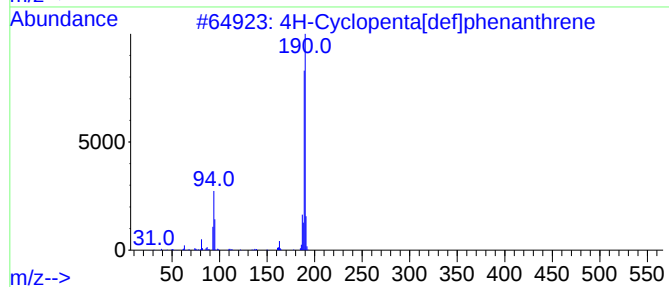
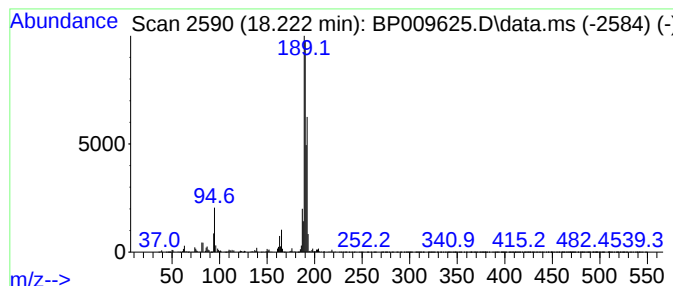
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 14 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 18.222 | 65.62 ng | 7358760 | Phenanthrene-d10 | 17.151 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|-----------|-------------|------|
| 1    |    |   | 4H-Cyclopenta[def]phenanthrene      | 190 | C15H10    | 000203-64-5 | 93   |
| 2    |    |   | 5H-Dibenzo[a,d]cycloheptene         | 192 | C15H12    | 000256-81-5 | 38   |
| 3    |    |   | 3-Bromo-5-fluoro-2-pyridinylamine   | 190 | C5H4BrFN2 | 869557-43-7 | 35   |
| 4    |    |   | Phenanthrene, 1-methyl-             | 192 | C15H12    | 000832-69-9 | 15   |
| 5    |    |   | Cyclohexanone, 2-(2-furanylmethy... | 190 | C12H14O2  | 056053-07-7 | 14   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP033022\  
Data File : BP009625.D  
Acq On : 30 Mar 2022 18:47  
Operator : CG/JU  
Sample : N2123-01  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
20220388-COMP-CS-1

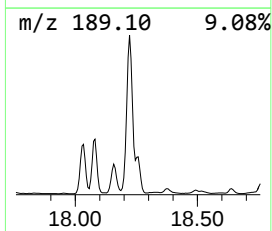
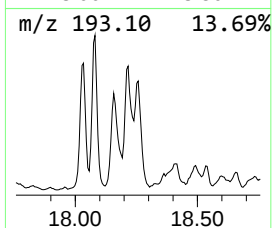
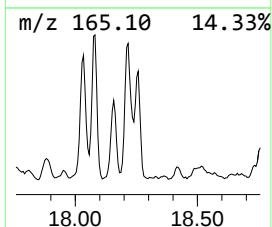
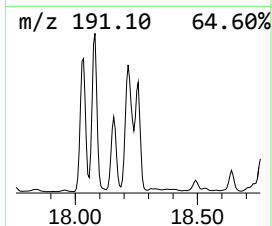
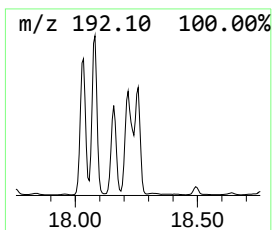
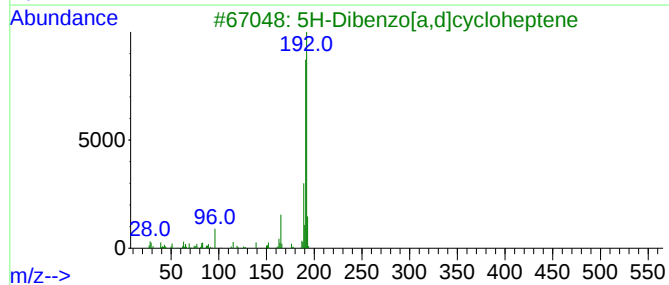
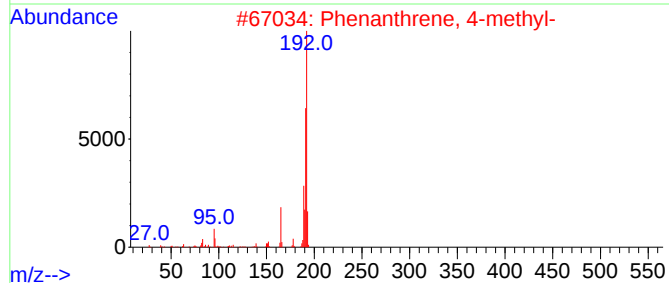
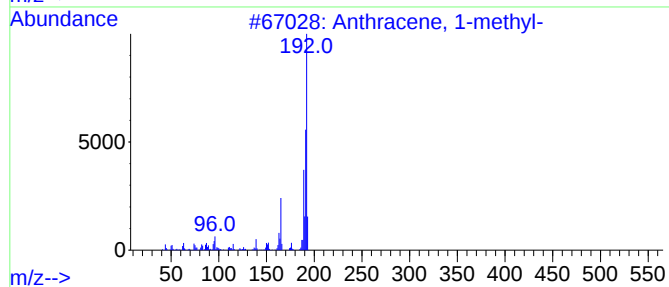
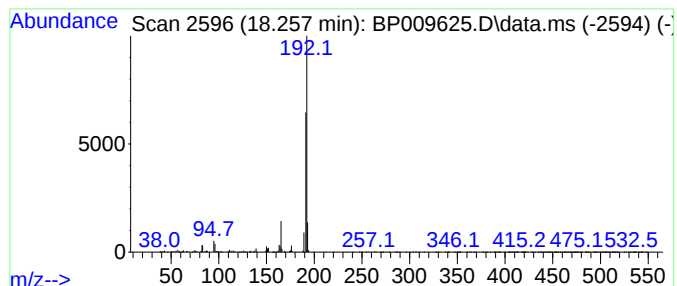
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 15 Anthracene, 1-methyl- Concentration Rank 12

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 18.257 | 19.56 ng | 2193310 | Phenanthrene-d10 | 17.151 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Anthracene, 1-methyl-       | 192 | C15H12  | 000610-48-0 | 90   |
| 2    |    |   | Phenanthrene, 4-methyl-     | 192 | C15H12  | 000832-64-4 | 90   |
| 3    |    |   | 5H-Dibenzo[a,d]cycloheptene | 192 | C15H12  | 000256-81-5 | 87   |
| 4    |    |   | Anthracene, 9-methyl-       | 192 | C15H12  | 000779-02-2 | 87   |
| 5    |    |   | Phenanthrene, 1-methyl-     | 192 | C15H12  | 000832-69-9 | 83   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP033022\  
Data File : BP009625.D  
Acq On : 30 Mar 2022 18:47  
Operator : CG/JU  
Sample : N2123-01  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
20220388-COMP-CS-1

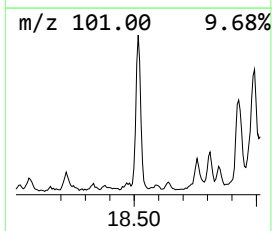
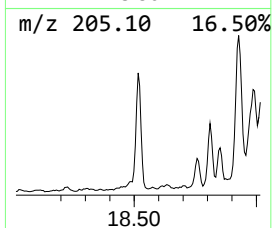
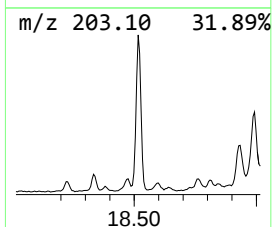
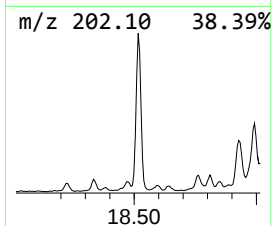
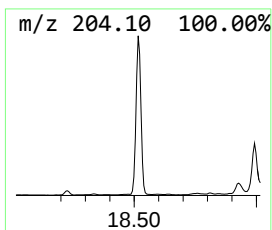
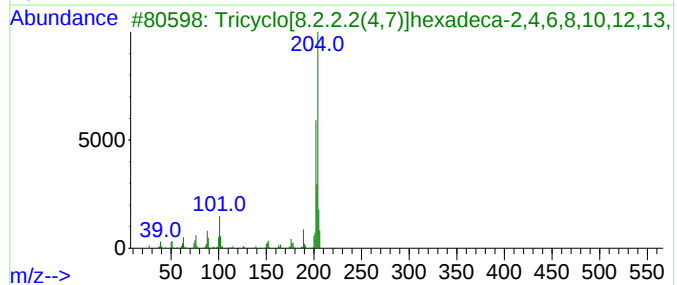
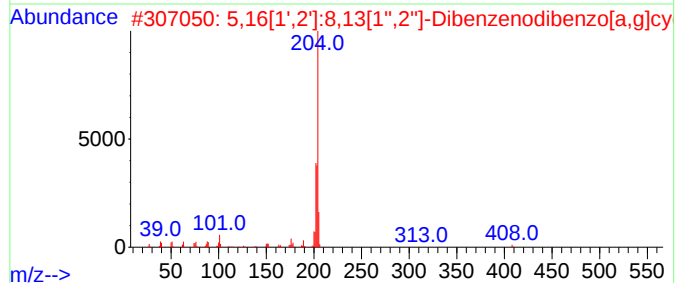
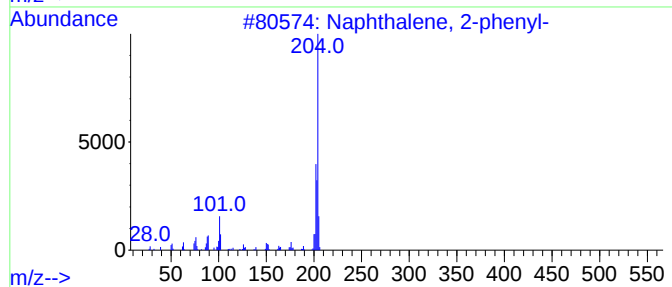
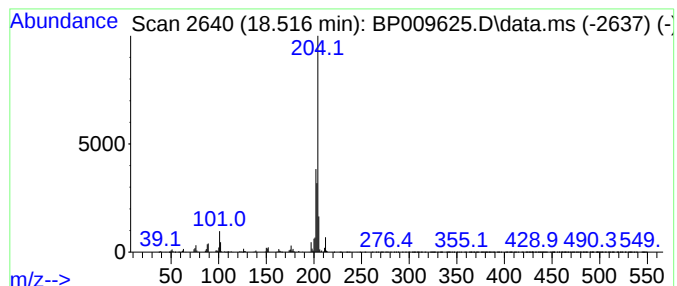
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 16 Naphthalene, 2-phenyl- Concentration Rank 17

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 18.516 | 15.01 ng | 1682620 | Phenanthrene-d10 | 17.151 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|-----------|-------------|------|
| 1    |    |   | Naphthalene, 2-phenyl-              | 204 | C16H12    | 000612-94-2 | 93   |
| 2    |    |   | 5,16[1',2']:8,13[1'',2'']-Dibenz... | 408 | C32H24    | 005672-97-9 | 91   |
| 3    |    |   | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204 | C16H12    | 006572-60-7 | 62   |
| 4    |    |   | Acephenanthrylene, 4,5-dihydro-     | 204 | C16H12    | 006232-48-0 | 46   |
| 5    |    |   | Quinoline, 6-methoxy-5-nitro-       | 204 | C10H8N2O3 | 006623-91-2 | 46   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP033022\  
Data File : BP009625.D  
Acq On : 30 Mar 2022 18:47  
Operator : CG/JU  
Sample : N2123-01  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
20220388-COMP-CS-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP031722.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

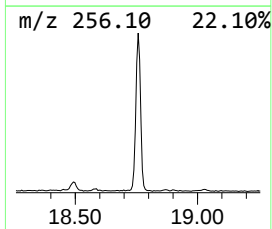
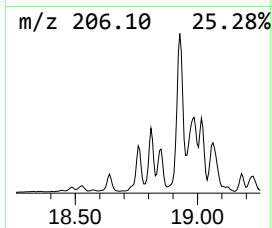
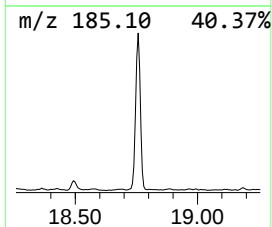
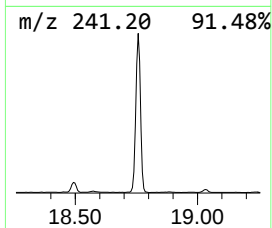
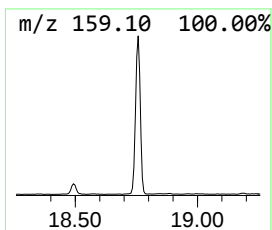
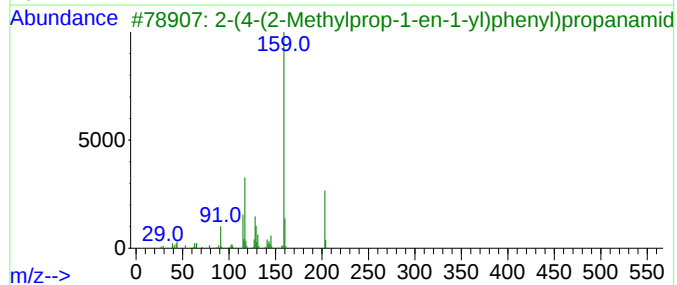
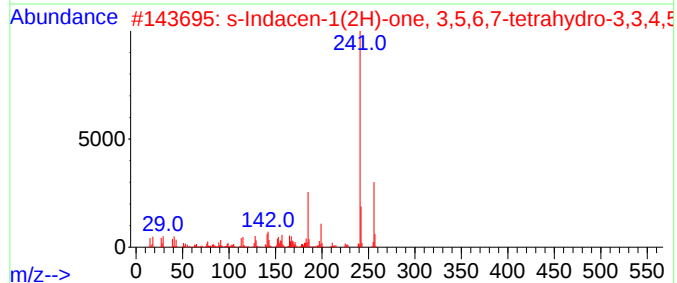
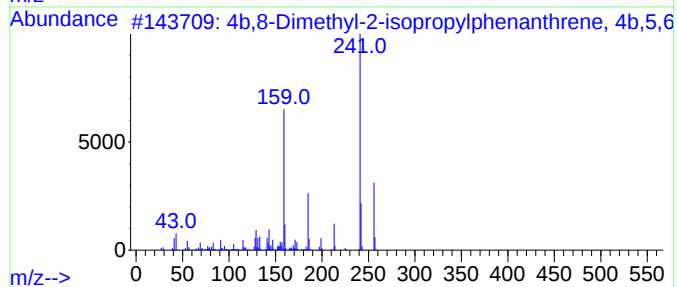
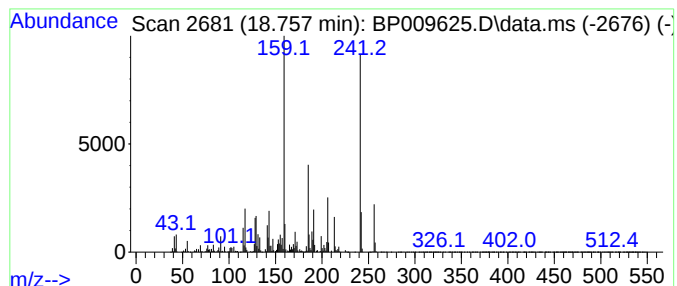
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TIC Integration Parameters: LSCINT.P

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Peak Number 17 4b,8-Dimethyl-2-isopropylph... Concentration Rank 4

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 18.757 | 38.42 ng | 4308610 | Phenanthrene-d10 | 17.151 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|------------|--------------|------|
| 1    |    |   | 4b,8-Dimethyl-2-isopropylphenant... | 256 | C19H28     | 1000197-14-1 | 97   |
| 2    |    |   | s-Indacen-1(2H)-one, 3,5,6,7-tet... | 256 | C18H24O    | 038754-94-8  | 38   |
| 3    |    |   | 2-(4-(2-Methylprop-1-en-1-yl)phe... | 203 | C13H17NO   | 1000466-09-8 | 35   |
| 4    |    |   | As-Indacene, 1,2,3,6,7,8-hexahyd... | 256 | C19H28     | 017465-47-3  | 30   |
| 5    |    |   | Uracil, 5-(p-cyanophenyl)-1,3-di... | 241 | C13H11N3O2 | 1000164-78-4 | 30   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP033022\  
Data File : BP009625.D  
Acq On : 30 Mar 2022 18:47  
Operator : CG/JU  
Sample : N2123-01  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
20220388-COMP-CS-1

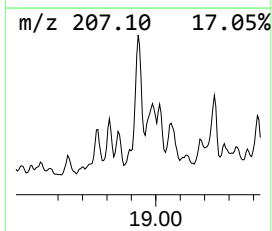
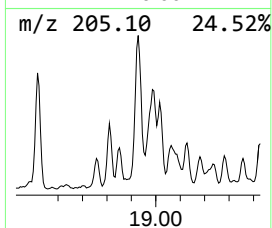
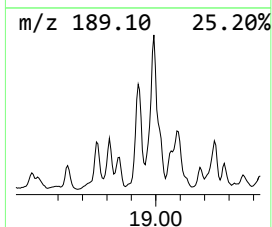
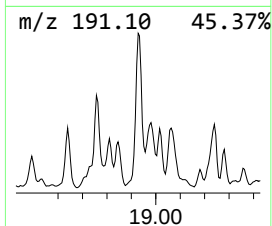
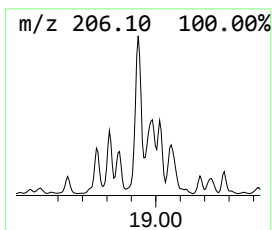
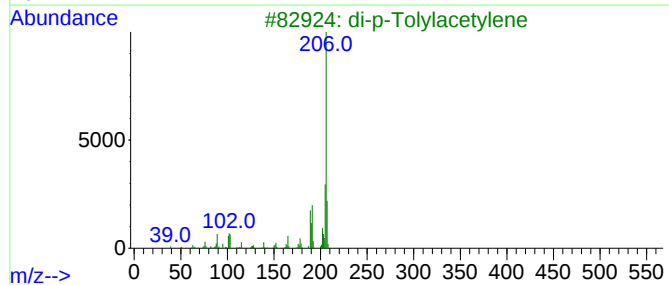
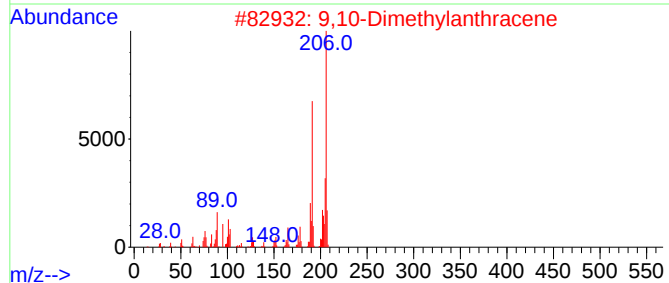
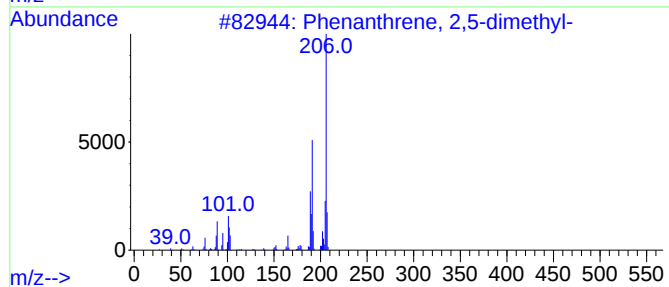
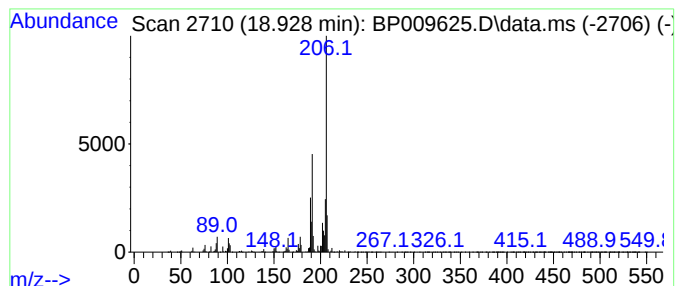
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 18 Phenanthrene, 2,5-dimethyl- Concentration Rank 13

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 18.928 | 18.71 ng | 2097970 | Phenanthrene-d10 | 17.151 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#         | Qual |
|------|----|---|-----------------------------|-----|---------|--------------|------|
| 1    |    |   | Phenanthrene, 2,5-dimethyl- | 206 | C16H14  | 003674-66-6  | 95   |
| 2    |    |   | 9,10-Dimethylanthracene     | 206 | C16H14  | 000781-43-1  | 93   |
| 3    |    |   | di-p-Tolylacetylene         | 206 | C16H14  | 002789-88-0  | 91   |
| 4    |    |   | Phenanthrene, 1,7-dimethyl- | 206 | C16H14  | 000483-87-4  | 90   |
| 5    |    |   | 3,4-Dimethylphenanthrene    | 206 | C16H14  | 1000452-24-5 | 90   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP033022\  
Data File : BP009625.D  
Acq On : 30 Mar 2022 18:47  
Operator : CG/JU  
Sample : N2123-01  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
20220388-COMP-CS-1

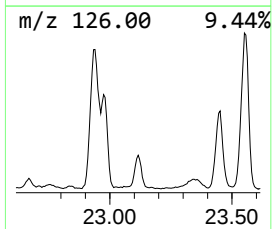
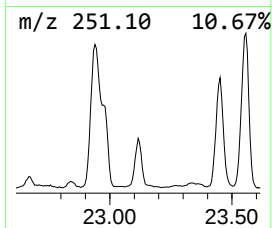
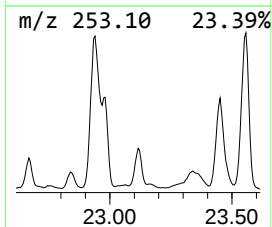
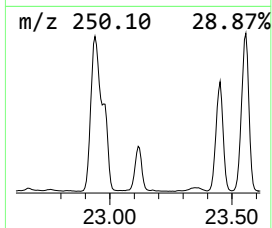
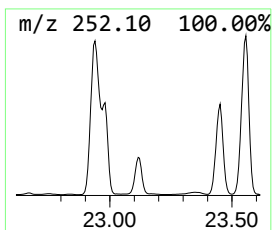
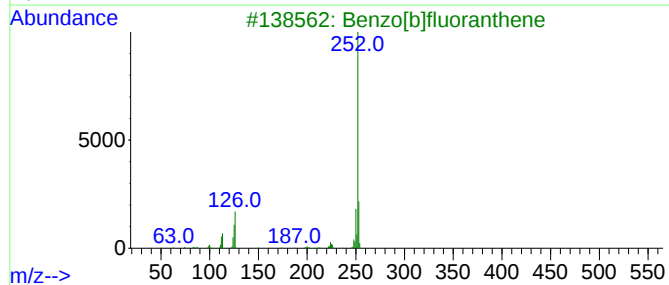
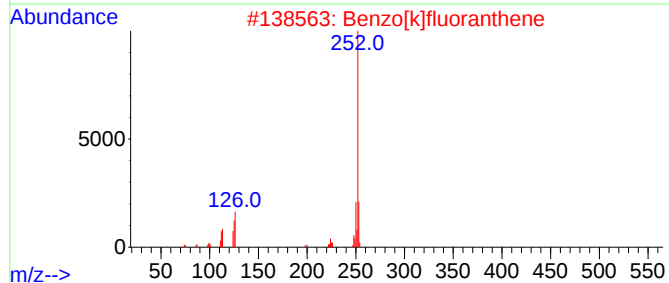
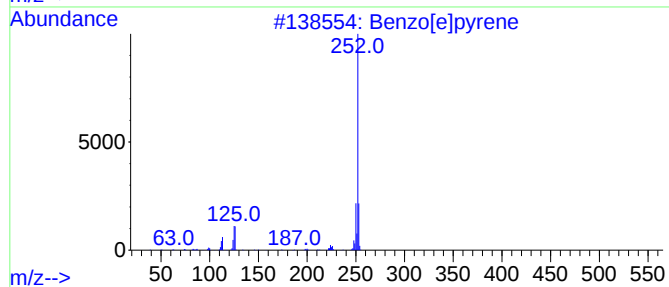
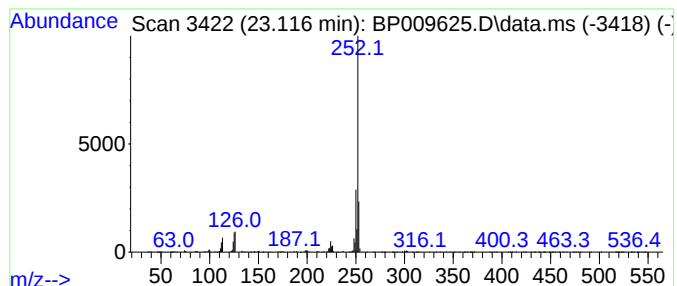
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 19 Benzo[e]pyrene Concentration Rank 14

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 23.116 | 18.53 ng | 2134970 | Perylene-d12     | 23.657 |

| Hit# | of | 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------|-----|---------|-------------|------|
| 1    |    |   | Benzo[e]pyrene       | 252 | C20H12  | 000192-97-2 | 97   |
| 2    |    |   | Benzo[k]fluoranthene | 252 | C20H12  | 000207-08-9 | 93   |
| 3    |    |   | Benzo[b]fluoranthene | 252 | C20H12  | 000205-99-2 | 93   |
| 4    |    |   | Benzo[a]pyrene       | 252 | C20H12  | 000050-32-8 | 90   |
| 5    |    |   | Benzo[j]fluoranthene | 252 | C20H12  | 000205-82-3 | 81   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP033022\  
Data File : BP009625.D  
Acq On : 30 Mar 2022 18:47  
Operator : CG/JU  
Sample : N2123-01  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
20220388-COMP-CS-1

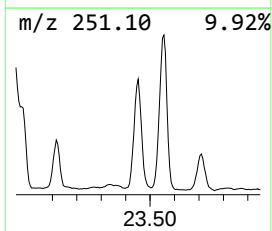
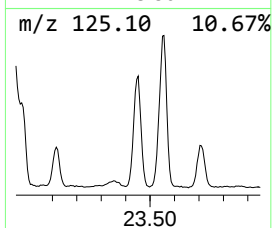
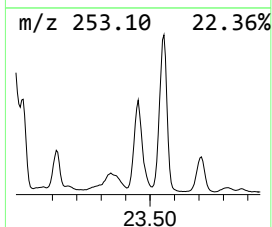
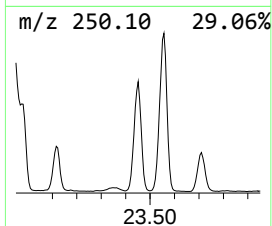
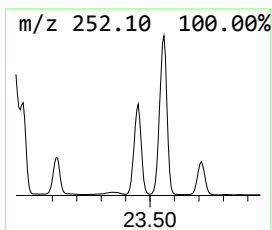
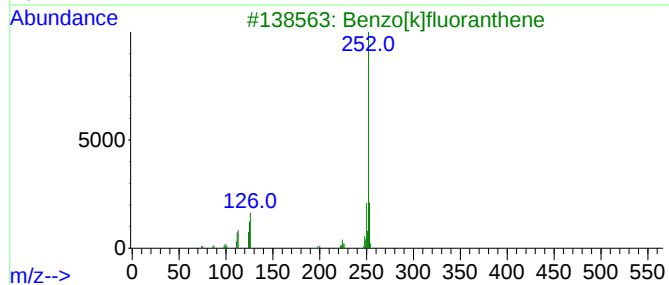
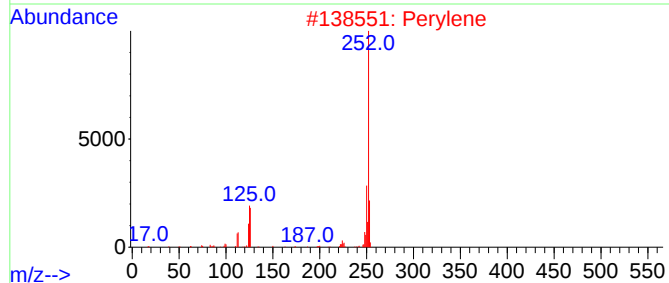
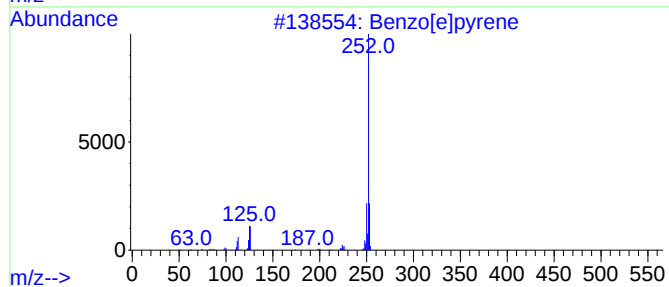
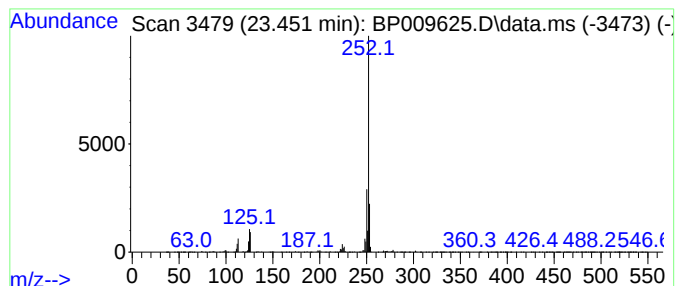
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 20 Perylene Concentration Rank 2

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 23.451 | 50.97 ng | 5873520 | Perylene-d12     | 23.657 |

| Hit# | of 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|------|----------------------|-----|---------|-------------|------|
| 1    |      | Benzo[e]pyrene       | 252 | C20H12  | 000192-97-2 | 98   |
| 2    |      | Perylene             | 252 | C20H12  | 000198-55-0 | 96   |
| 3    |      | Benzo[k]fluoranthene | 252 | C20H12  | 000207-08-9 | 95   |
| 4    |      | Benzo[a]pyrene       | 252 | C20H12  | 000050-32-8 | 93   |
| 5    |      | Benzo[b]fluoranthene | 252 | C20H12  | 000205-99-2 | 93   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP033022\  
 Data File : BP009625.D  
 Acq On : 30 Mar 2022 18:47  
 Operator : CG/JU  
 Sample : N2123-01  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 20220388-COMP-CS-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP031722.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 |
| Naphthalene, 2-... | 13.416 | 21.8    | ng    | 4904040  | 3                     | 14.387 | 4499620 | 20.0 |
| Naphthalene, 2,... | 13.552 | 31.4    | ng    | 7065840  | 3                     | 14.387 | 4499620 | 20.0 |
| Naphthalene, 2,... | 13.710 | 37.2    | ng    | 8376730  | 3                     | 14.387 | 4499620 | 20.0 |
| Naphthalene, 2,... | 13.763 | 19.8    | ng    | 4453730  | 3                     | 14.387 | 4499620 | 20.0 |
| Naphthalene, 1,... | 13.946 | 17.4    | ng    | 3912600  | 3                     | 14.387 | 4499620 | 20.0 |
| Naphthalene, 2-... | 14.604 | 12.1    | ng    | 2731890  | 3                     | 14.387 | 4499620 | 20.0 |
| Naphthalene, 2,... | 15.010 | 11.8    | ng    | 2644370  | 3                     | 14.387 | 4499620 | 20.0 |
| Naphthalene, 1,... | 15.181 | 11.1    | ng    | 2490120  | 3                     | 14.387 | 4499620 | 20.0 |
| 9H-Fluorene, 2-... | 16.457 | 16.5    | ng    | 1849140  | 4                     | 17.151 | 2242680 | 20.0 |
| Dibenzothiophene   | 16.969 | 25.0    | ng    | 2799390  | 4                     | 17.151 | 2242680 | 20.0 |
| Phenanthrene, 2... | 18.034 | 33.2    | ng    | 3726590  | 4                     | 17.151 | 2242680 | 20.0 |
| Anthracene, 2-m... | 18.075 | 40.9    | ng    | 4582060  | 4                     | 17.151 | 2242680 | 20.0 |
| Phenanthrene, 1... | 18.157 | 21.3    | ng    | 2392920  | 4                     | 17.151 | 2242680 | 20.0 |
| 4H-Cyclopenta[d... | 18.222 | 65.6    | ng    | 7358760  | 4                     | 17.151 | 2242680 | 20.0 |
| Anthracene, 1-m... | 18.257 | 19.6    | ng    | 2193310  | 4                     | 17.151 | 2242680 | 20.0 |
| Naphthalene, 2-... | 18.516 | 15.0    | ng    | 1682620  | 4                     | 17.151 | 2242680 | 20.0 |
| 4b,8-Dimethyl-2... | 18.757 | 38.4    | ng    | 4308610  | 4                     | 17.151 | 2242680 | 20.0 |
| Phenanthrene, 2... | 18.928 | 18.7    | ng    | 2097970  | 4                     | 17.151 | 2242680 | 20.0 |
| Benzo[e]pyrene     | 23.116 | 18.5    | ng    | 2134970  | 6                     | 23.657 | 2304540 | 20.0 |
| Perylene           | 23.451 | 51.0    | ng    | 5873520  | 6                     | 23.657 | 2304540 | 20.0 |