

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050719\  
 Data File : BM020184.D  
 Acq On : 08 May 2019 02:47  
 Operator : JU/SJ  
 Sample : K2704-02 2X  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SB-2(24-27)

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM043019.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 5.375       | 399           | 406         | 415          | rVB      | 1428748        | 2133329       | 2.32%           | 0.327%        |
| 2         | 6.957       | 671           | 675         | 683          | rVB      | 1376343        | 2245427       | 2.45%           | 0.344%        |
| 3         | 7.322       | 731           | 737         | 743          | rBV      | 1482494        | 2363991       | 2.57%           | 0.362%        |
| 4         | 8.110       | 865           | 871         | 877          | rVB      | 1188783        | 1898198       | 2.07%           | 0.291%        |
| 5         | 8.875       | 990           | 1001        | 1008         | rBV5     | 556946         | 1662968       | 1.81%           | 0.255%        |
| 6         | 8.957       | 1009          | 1015        | 1023         | rVB2     | 1100165        | 2121311       | 2.31%           | 0.325%        |
| 7         | 9.222       | 1051          | 1060        | 1067         | rBV6     | 297126         | 943219        | 1.03%           | 0.145%        |
| 8         | 9.751       | 1145          | 1150        | 1158         | rBV4     | 466772         | 1050464       | 1.14%           | 0.161%        |
| 9         | 10.557      | 1278          | 1287        | 1288         | rBV6     | 439017         | 1023278       | 1.11%           | 0.157%        |
| 10        | 10.586      | 1288          | 1292        | 1296         | rVV      | 906931         | 1602147       | 1.74%           | 0.246%        |
| 11        | 10.716      | 1305          | 1314        | 1319         | rVB2     | 1256013        | 2962179       | 3.23%           | 0.454%        |
| 12        | 10.786      | 1319          | 1326        | 1333         | rBV6     | 589952         | 1342809       | 1.46%           | 0.206%        |
| 13        | 11.051      | 1366          | 1371        | 1377         | rVB4     | 1145822        | 2001242       | 2.18%           | 0.307%        |
| 14        | 11.404      | 1426          | 1431        | 1438         | rBV6     | 367072         | 1069203       | 1.16%           | 0.164%        |
| 15        | 11.492      | 1440          | 1446        | 1451         | rVB6     | 563620         | 1353123       | 1.47%           | 0.207%        |
| 16        | 11.586      | 1457          | 1462        | 1465         | rBV      | 1533769        | 2241625       | 2.44%           | 0.344%        |
| 17        | 11.622      | 1465          | 1468        | 1472         | rVB3     | 703468         | 959586        | 1.05%           | 0.147%        |
| 18        | 11.769      | 1488          | 1493        | 1500         | rVB3     | 725161         | 1430634       | 1.56%           | 0.219%        |
| 19        | 11.845      | 1500          | 1506        | 1511         | rBV3     | 1032684        | 2002473       | 2.18%           | 0.307%        |
| 20        | 12.210      | 1565          | 1568        | 1571         | rVB3     | 771132         | 962463        | 1.05%           | 0.148%        |
| 21        | 12.251      | 1571          | 1575        | 1581         | rVB      | 1448347        | 2227262       | 2.43%           | 0.341%        |
| 22        | 12.474      | 1609          | 1613        | 1615         | rBV      | 750695         | 994819        | 1.08%           | 0.153%        |
| 23        | 12.621      | 1634          | 1638        | 1643         | rBV3     | 621421         | 1023306       | 1.11%           | 0.157%        |
| 24        | 12.692      | 1647          | 1650        | 1658         | rVB6     | 652389         | 1308168       | 1.42%           | 0.201%        |
| 25        | 12.774      | 1658          | 1664        | 1668         | rBV7     | 553239         | 1188974       | 1.29%           | 0.182%        |
| 26        | 12.857      | 1674          | 1678        | 1683         | rVB3     | 813655         | 1255735       | 1.37%           | 0.193%        |
| 27        | 12.945      | 1689          | 1693        | 1700         | rVB      | 3118753        | 4606529       | 5.02%           | 0.706%        |
| 28        | 13.051      | 1707          | 1711        | 1720         | rVB      | 2107523        | 3079102       | 3.35%           | 0.472%        |
| 29        | 13.221      | 1737          | 1740        | 1744         | rVB2     | 965237         | 1268664       | 1.38%           | 0.194%        |
| 30        | 13.474      | 1778          | 1783        | 1789         | rVB3     | 931445         | 2133618       | 2.32%           | 0.327%        |
| 31        | 13.592      | 1799          | 1803        | 1805         | rBV2     | 1414381        | 1963749       | 2.14%           | 0.301%        |
| 32        | 13.757      | 1826          | 1831        | 1836         | rBV      | 2342555        | 3968888       | 4.32%           | 0.608%        |
| 33        | 13.810      | 1836          | 1840        | 1843         | rBV2     | 1527596        | 1956626       | 2.13%           | 0.300%        |
| 34        | 13.898      | 1851          | 1855        | 1860         | rVB      | 4027810        | 5407288       | 5.89%           | 0.829%        |

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 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SB-2(24-27)

Integration Parameters: rteint.p  
 Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 3 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM043019.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |          |          |         |         |
|----|--------|------|------|------|------|----------|----------|---------|---------|
| 35 | 13.951 | 1860 | 1864 | 1867 | rBV3 | 928649   | 1434469  | 1.56%   | 0.220%  |
| 36 | 13.992 | 1868 | 1871 | 1880 | rVB3 | 1425315  | 3195987  | 3.48%   | 0.490%  |
| 37 | 14.068 | 1881 | 1884 | 1888 | rBV4 | 663300   | 1030004  | 1.12%   | 0.158%  |
| 38 | 14.163 | 1896 | 1900 | 1911 | rVV6 | 1256549  | 3261586  | 3.55%   | 0.500%  |
| 39 | 14.257 | 1912 | 1916 | 1921 | rVB2 | 1438452  | 2299464  | 2.50%   | 0.353%  |
| 40 | 14.392 | 1935 | 1939 | 1942 | rBV2 | 1321561  | 2422007  | 2.64%   | 0.371%  |
| 41 | 14.504 | 1953 | 1958 | 1964 | rBV2 | 3372874  | 5675491  | 6.18%   | 0.870%  |
| 42 | 14.651 | 1978 | 1983 | 1992 | rVB2 | 1733691  | 3677315  | 4.00%   | 0.564%  |
| 43 | 14.827 | 2010 | 2013 | 2018 | rVB2 | 2042709  | 3143318  | 3.42%   | 0.482%  |
| 44 | 14.910 | 2024 | 2027 | 2030 | rBV  | 1307147  | 1699141  | 1.85%   | 0.260%  |
| 45 | 14.939 | 2030 | 2032 | 2037 | rVB3 | 970196   | 1470913  | 1.60%   | 0.225%  |
| 46 | 15.057 | 2047 | 2052 | 2057 | rBV  | 2173376  | 4316810  | 4.70%   | 0.662%  |
| 47 | 15.104 | 2058 | 2060 | 2065 | rVB  | 1151460  | 1615919  | 1.76%   | 0.248%  |
| 48 | 15.215 | 2075 | 2079 | 2083 | rBV2 | 1251362  | 2384167  | 2.60%   | 0.365%  |
| 49 | 15.492 | 2120 | 2126 | 2129 | rBV2 | 3272634  | 5514099  | 6.01%   | 0.845%  |
| 50 | 15.680 | 2150 | 2158 | 2165 | rVB4 | 3792746  | 9318093  | 10.15%  | 1.428%  |
| 51 | 15.933 | 2197 | 2201 | 2208 | rBV2 | 2950195  | 4451994  | 4.85%   | 0.682%  |
| 52 | 16.157 | 2234 | 2239 | 2244 | rBV  | 8601199  | 11981531 | 13.05%  | 1.837%  |
| 53 | 16.980 | 2374 | 2379 | 2382 | rBV  | 5921893  | 8518516  | 9.28%   | 1.306%  |
| 54 | 17.251 | 2418 | 2425 | 2429 | rVB2 | 27722405 | 43255254 | 47.11%  | 6.631%  |
| 55 | 17.333 | 2434 | 2439 | 2443 | rBV  | 11839901 | 15967831 | 17.39%  | 2.448%  |
| 56 | 17.586 | 2478 | 2482 | 2488 | rBV3 | 3044932  | 5432728  | 5.92%   | 0.833%  |
| 57 | 18.068 | 2560 | 2564 | 2568 | rBV  | 5603570  | 8085574  | 8.81%   | 1.240%  |
| 58 | 18.115 | 2568 | 2572 | 2577 | rVB  | 7322715  | 10405670 | 11.33%  | 1.595%  |
| 59 | 18.198 | 2583 | 2586 | 2591 | rVB3 | 2571900  | 4049855  | 4.41%   | 0.621%  |
| 60 | 18.268 | 2592 | 2598 | 2601 | rBV2 | 8307015  | 14304485 | 15.58%  | 2.193%  |
| 61 | 18.568 | 2645 | 2649 | 2655 | rBV  | 2807161  | 4242018  | 4.62%   | 0.650%  |
| 62 | 18.815 | 2688 | 2691 | 2696 | rVB2 | 2955692  | 4056816  | 4.42%   | 0.622%  |
| 63 | 18.862 | 2696 | 2699 | 2703 | rBV  | 2557736  | 3226341  | 3.51%   | 0.495%  |
| 64 | 18.986 | 2716 | 2720 | 2725 | rBV  | 5324639  | 8792245  | 9.58%   | 1.348%  |
| 65 | 19.127 | 2741 | 2744 | 2747 | rBV2 | 1927567  | 3192003  | 3.48%   | 0.489%  |
| 66 | 19.274 | 2761 | 2769 | 2773 | rBV2 | 43890828 | 79280094 | 86.34%  | 12.154% |
| 67 | 19.639 | 2820 | 2831 | 2836 | rBV4 | 42459029 | 91822233 | 100.00% | 14.076% |
| 68 | 19.692 | 2836 | 2840 | 2846 | rVB  | 5657766  | 8797267  | 9.58%   | 1.349%  |
| 69 | 19.815 | 2857 | 2861 | 2865 | rVB3 | 5519027  | 8287029  | 9.03%   | 1.270%  |
| 70 | 20.115 | 2909 | 2912 | 2917 | rVB  | 9442925  | 12781496 | 13.92%  | 1.959%  |
| 71 | 20.215 | 2925 | 2929 | 2933 | rBV  | 9700053  | 12225527 | 13.31%  | 1.874%  |

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Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
SB-2(24-27)

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\_M\METHODS\8270-BM043019.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |          |          |        |        |
|----|--------|------|------|------|------|----------|----------|--------|--------|
| 72 | 20.309 | 2943 | 2945 | 2949 | rVB  | 3946826  | 4138044  | 4.51%  | 0.634% |
| 73 | 20.415 | 2960 | 2963 | 2967 | rBV  | 3970611  | 5658713  | 6.16%  | 0.867% |
| 74 | 20.462 | 2968 | 2971 | 2974 | rVV2 | 2693467  | 3785050  | 4.12%  | 0.580% |
| 75 | 21.033 | 3065 | 3068 | 3071 | rBV2 | 4089540  | 5058741  | 5.51%  | 0.776% |
| 76 | 21.109 | 3078 | 3081 | 3086 | rBV2 | 3347553  | 4942791  | 5.38%  | 0.758% |
| 77 | 21.374 | 3121 | 3126 | 3130 | rBV2 | 26025200 | 41506882 | 45.20% | 6.363% |
| 78 | 21.427 | 3132 | 3135 | 3140 | rVB  | 22482655 | 28896192 | 31.47% | 4.430% |
| 79 | 21.544 | 3151 | 3155 | 3161 | rVB  | 7115457  | 9459587  | 10.30% | 1.450% |
| 80 | 23.009 | 3398 | 3404 | 3408 | rBV  | 11417903 | 25615282 | 27.90% | 3.927% |
| 81 | 23.503 | 3483 | 3488 | 3496 | rVB  | 7481547  | 15053033 | 16.39% | 2.308% |
| 82 | 23.609 | 3500 | 3506 | 3514 | rVB  | 13099567 | 26829574 | 29.22% | 4.113% |

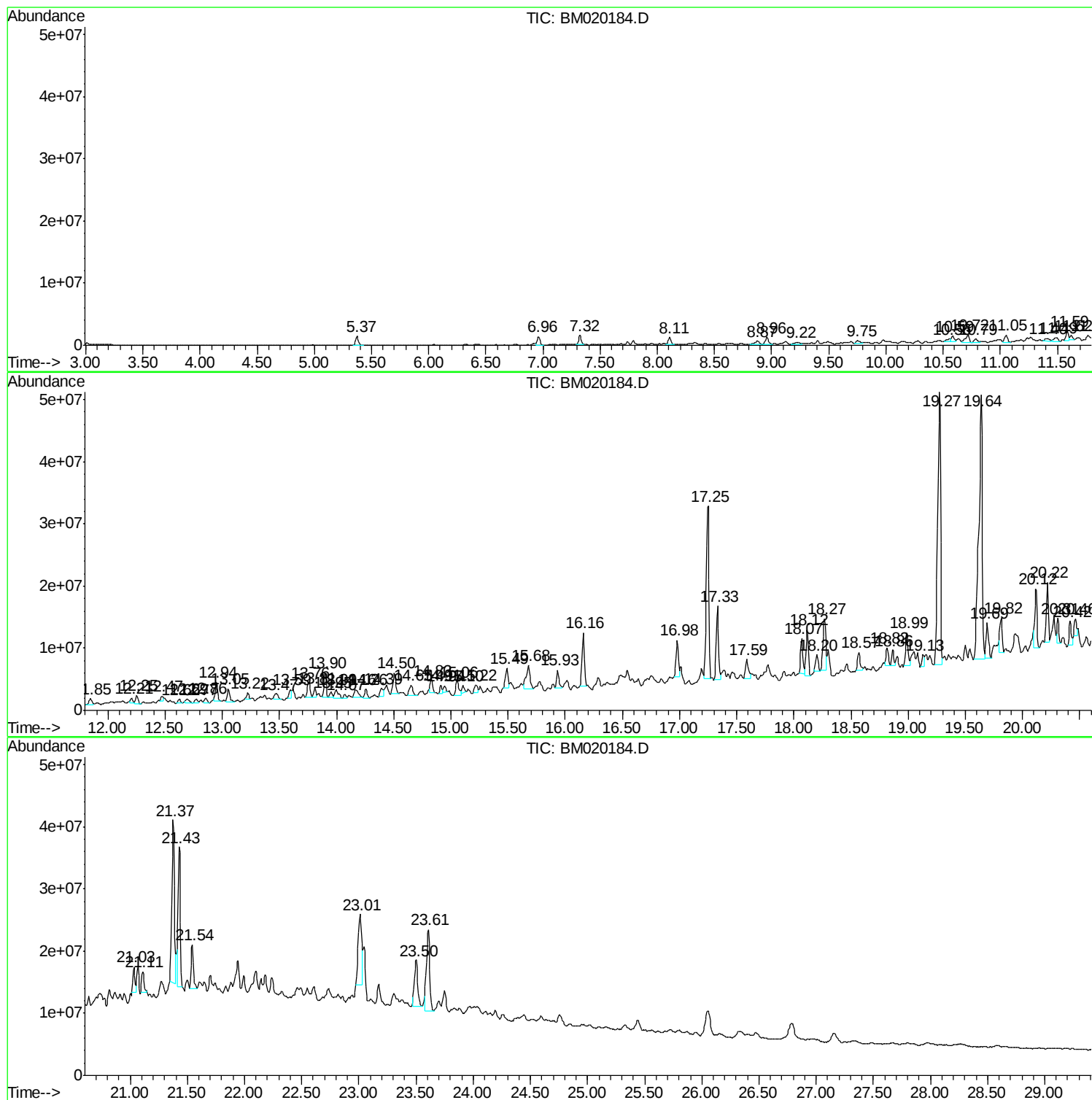
Sum of corrected areas: 652311576

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050719\  
Data File : BM020184.D  
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Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
SB-2(24-27)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050719\  
Data File : BM020184.D  
Acq On : 08 May 2019 02:47  
Operator : JU/SJ  
Sample : K2704-02 2X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
SB-2(24-27)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

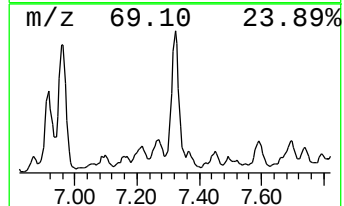
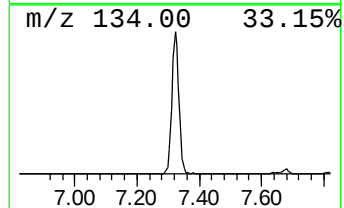
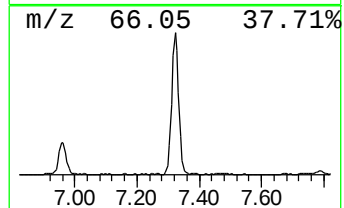
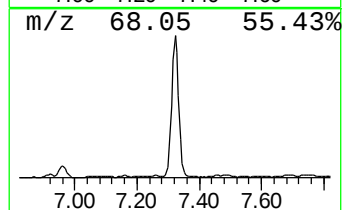
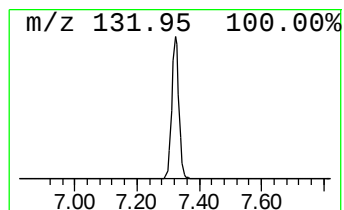
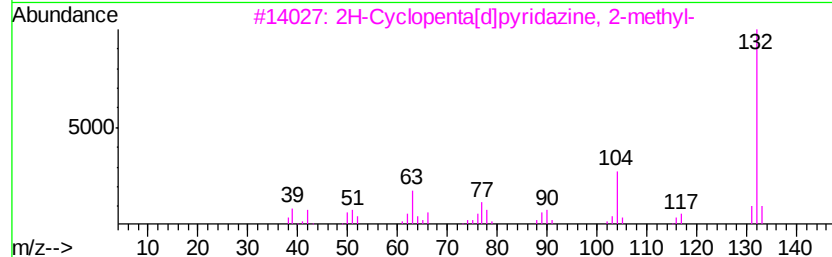
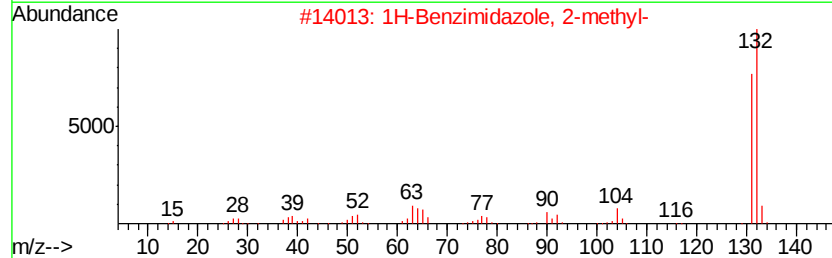
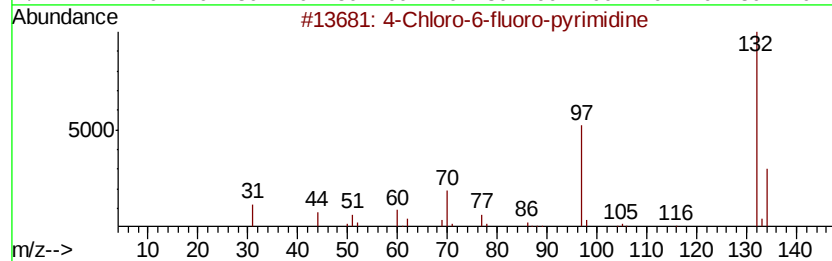
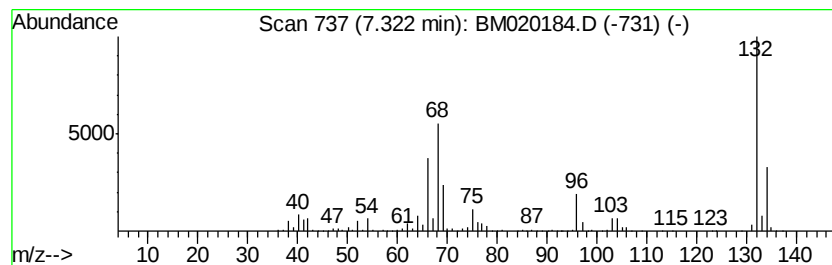
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 unknown7.32 Concentration Rank 14

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 7.32 | 24.91 ng | 2363990 | 1,4-Dichlorobenzene-d4 | 7.79 |

| Hit# | of | Tentative ID                         | MW  | MolForm   | CAS#         | Qual |
|------|----|--------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 4-Chloro-6-fluoro-pyrimidine         | 132 | C4H2ClFN2 | 051422-01-6  | 27   |
| 2    |    | 1H-Benzimidazole, 2-methyl-          | 132 | C8H8N2    | 000615-15-6  | 22   |
| 3    |    | 2H-Cyclopentaf[d]pyridazine, 2-me... | 132 | C8H8N2    | 022291-85-6  | 22   |
| 4    |    | 3-Chloro-6-fluoro-pyrazine           | 132 | C4H2ClFN2 | 1000146-10-7 | 16   |
| 5    |    | 5-Fluoro-2-chloropyrimidine          | 132 | C4H2ClFN2 | 062802-42-0  | 12   |



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Instrument :  
BNA\_M  
ClientSampled :  
SB-2(24-27)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

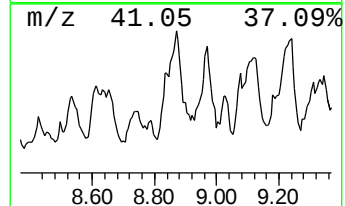
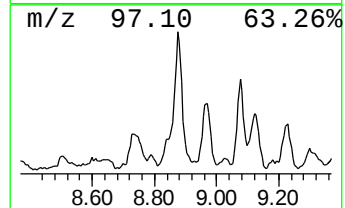
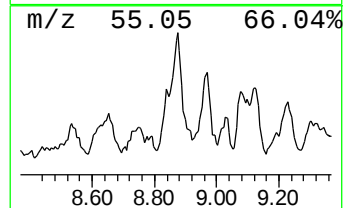
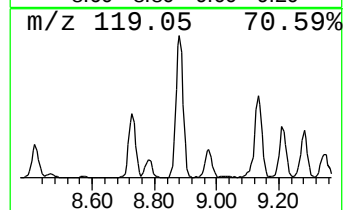
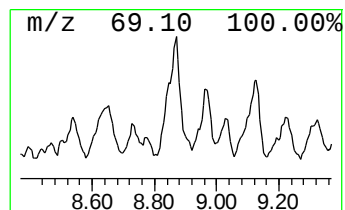
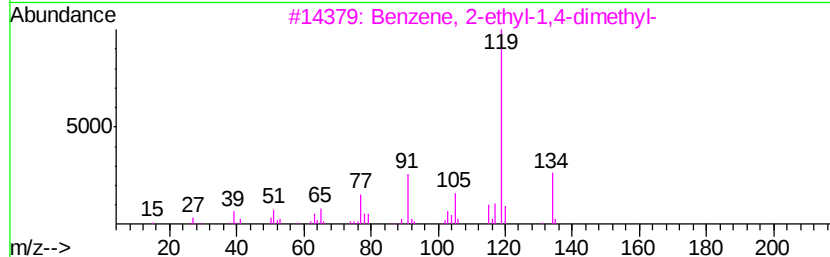
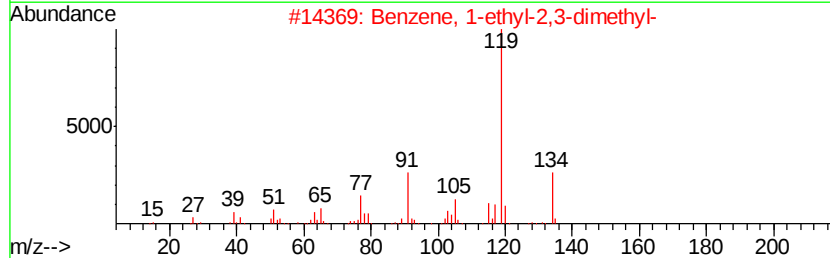
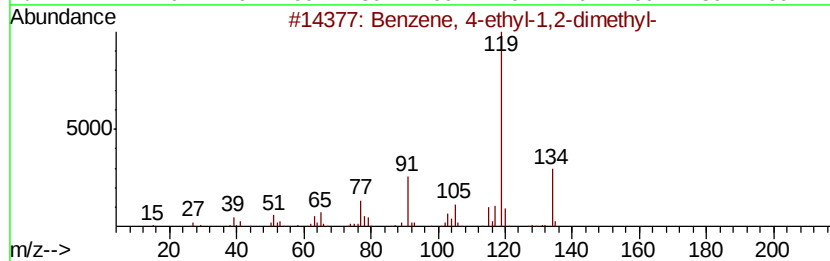
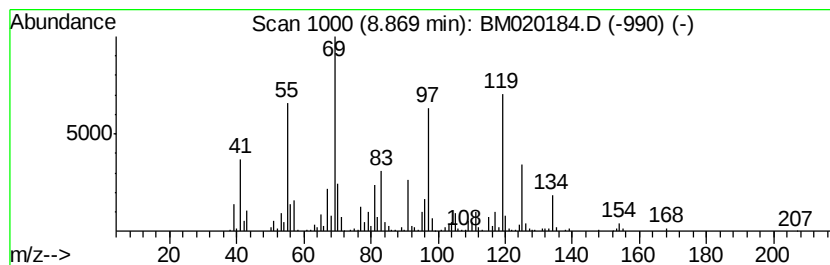
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 20

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 8.87 | 17.52 ng | 1662970 | 1,4-Dichlorobenzene-d4 | 7.79 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 4-ethyl-1,2-dimethyl-      | 134 | C10H14  | 000934-80-5 | 64   |
| 2    |    | Benzene, 1-ethyl-2,3-dimethyl-      | 134 | C10H14  | 000933-98-2 | 60   |
| 3    |    | Benzene, 2-ethyl-1,4-dimethyl-      | 134 | C10H14  | 001758-88-9 | 60   |
| 4    |    | Benzene, 1-methyl-2-(1-methyleth... | 134 | C10H14  | 000527-84-4 | 51   |
| 5    |    | Benzene, 1-ethyl-3,5-dimethyl-      | 134 | C10H14  | 000934-74-7 | 47   |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

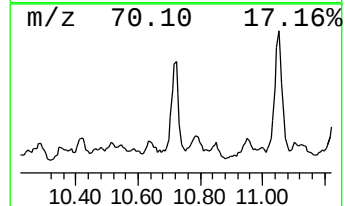
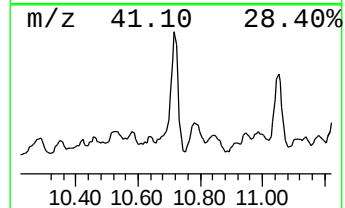
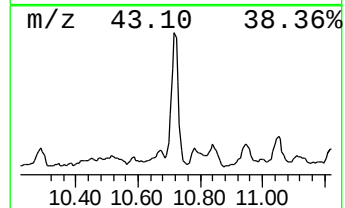
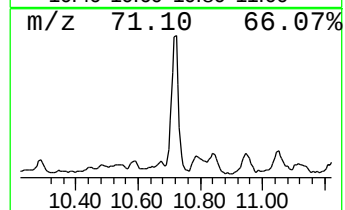
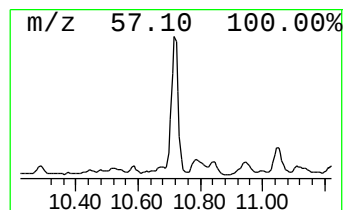
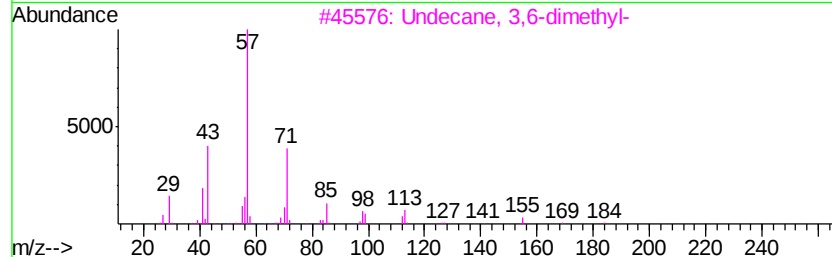
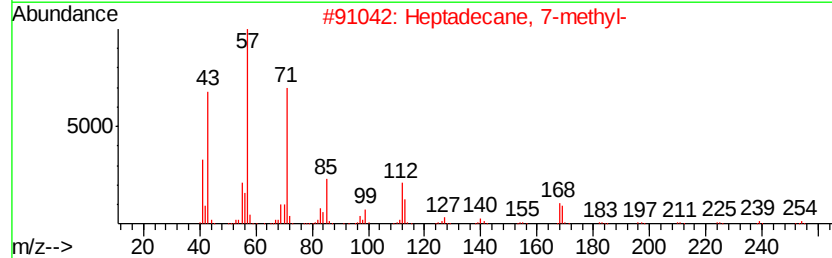
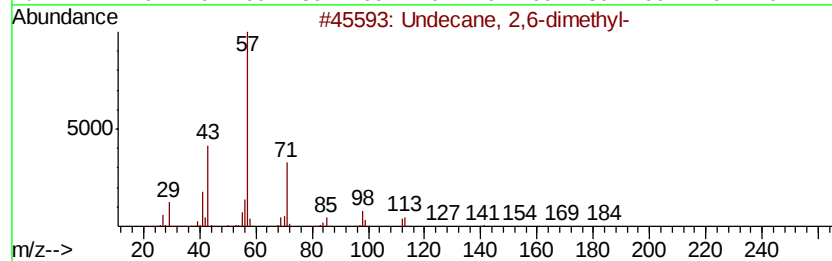
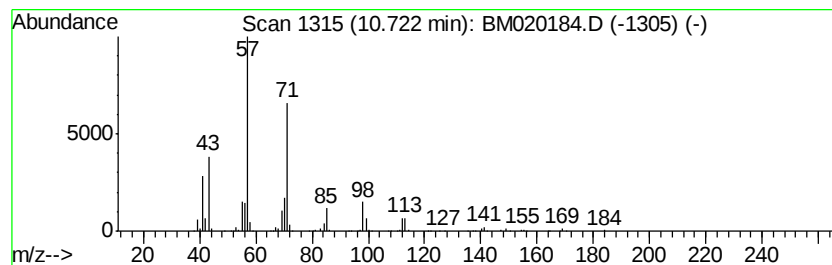
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Undecane, 2,6-dimethyl- Concentration Rank 3

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 10.72 | 36.98 ng | 2962180 | Naphthalene-d8   | 10.59 |

| Hit# of | 5                       | Tentative ID | MW     | MolForm     | CAS# | Qual |
|---------|-------------------------|--------------|--------|-------------|------|------|
| 1       | Undecane, 2,6-dimethyl- | 184          | C13H28 | 017301-23-4 | 74   |      |
| 2       | Heptadecane, 7-methyl-  | 254          | C18H38 | 020959-33-5 | 72   |      |
| 3       | Undecane, 3,6-dimethyl- | 184          | C13H28 | 017301-28-9 | 70   |      |
| 4       | Dodecane, 6-methyl-     | 184          | C13H28 | 006044-71-9 | 58   |      |
| 5       | Undecane, 2,5-dimethyl- | 184          | C13H28 | 017301-22-3 | 58   |      |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050719\  
Data File : BM020184.D  
Acq On : 08 May 2019 02:47  
Operator : JU/SJ  
Sample : K2704-02 2X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

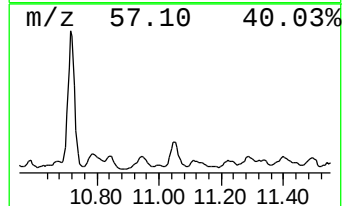
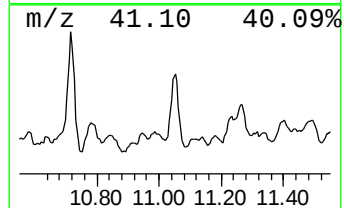
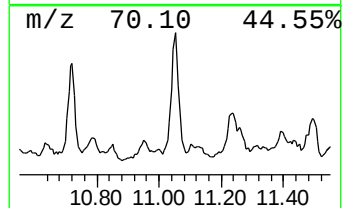
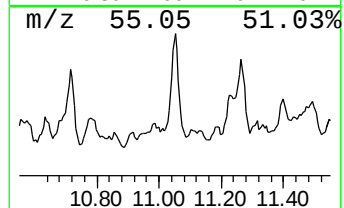
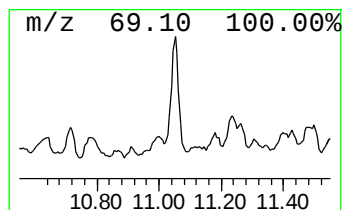
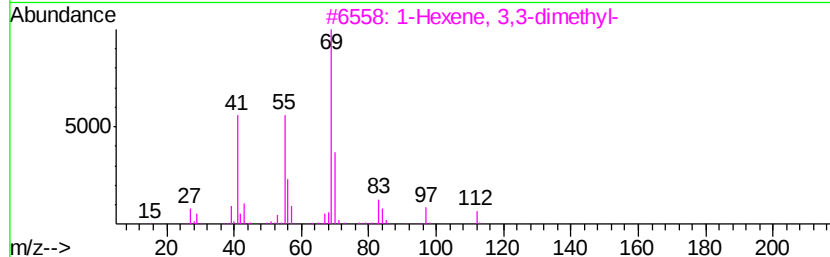
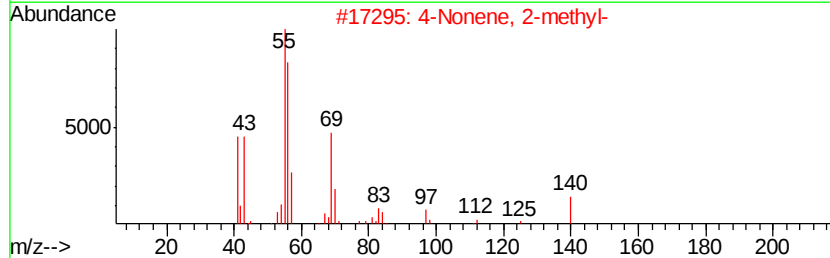
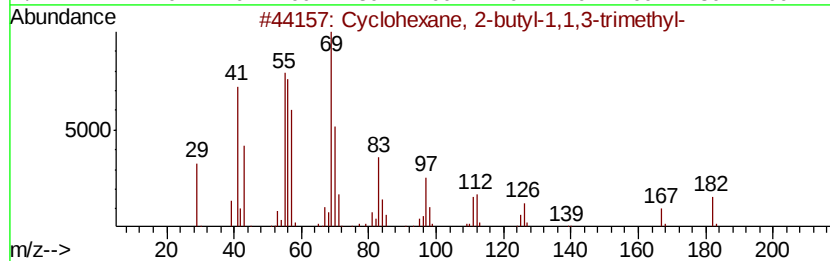
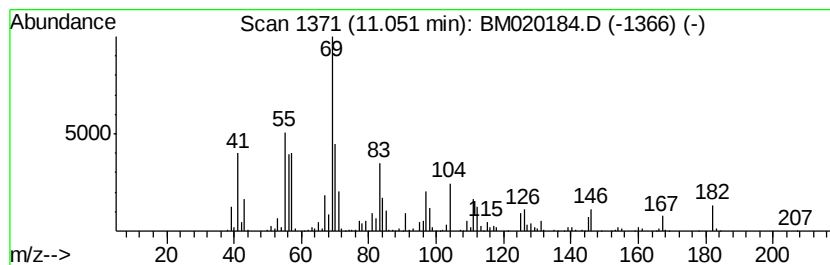
Instrument :  
BNA\_M  
ClientSampleId :  
SB-2(24-27)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 Cyclohexane, 2-butyl-1,1,3-... Concentration Rank 13

| R.T.    | EstConc  | Area                                | Relative to ISTD | R.T.           |
|---------|----------|-------------------------------------|------------------|----------------|
| 11.05   | 24.98 ng | 2001240                             | Napthalene-d8    | 10.59          |
| Hit# of | 5        | Tentative ID                        | MW MolForm       | CAS# Qual      |
| 1       |          | Cyclohexane, 2-butyl-1,1,3-trime... | 182 C13H26       | 054676-39-0 83 |
| 2       |          | 4-Nonene, 2-methyl-                 | 140 C10H20       | 055724-84-0 58 |
| 3       |          | 1-Hexene, 3,3-dimethyl-             | 112 C8H16        | 003404-77-1 47 |
| 4       |          | Cyclooctane, 1,2-dimethyl-          | 140 C10H20       | 013151-94-5 46 |
| 5       |          | trans-2-Methyl-3-octene             | 126 C9H18        | 052937-36-7 46 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050719\  
Data File : BM020184.D  
Acq On : 08 May 2019 02:47  
Operator : JU/SJ  
Sample : K2704-02 2X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
SB-2(24-27)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

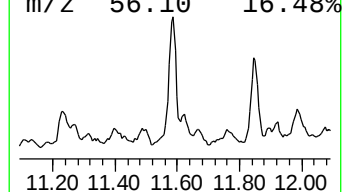
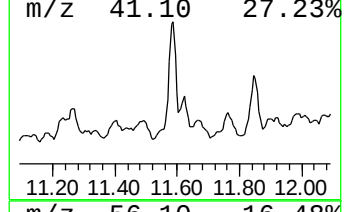
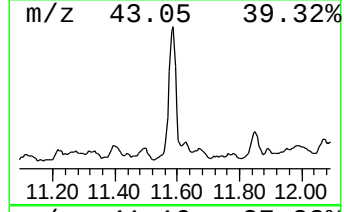
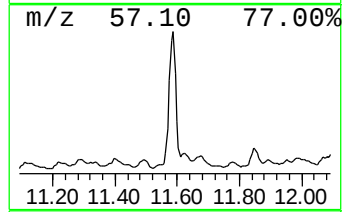
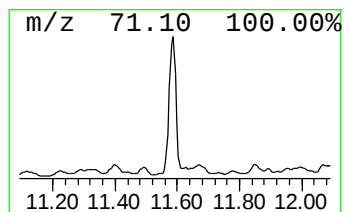
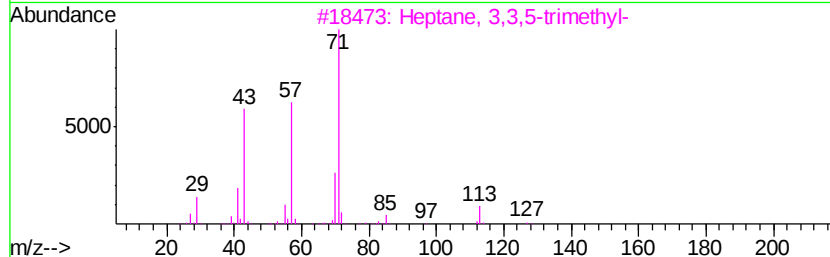
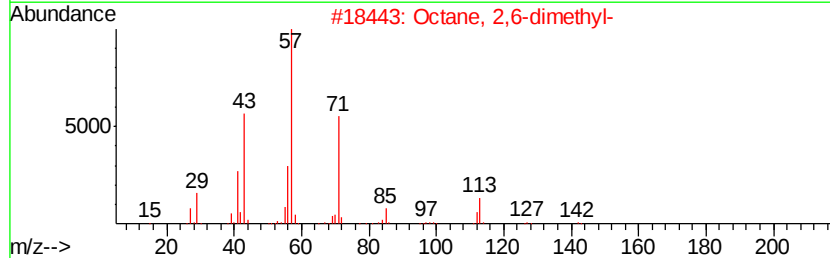
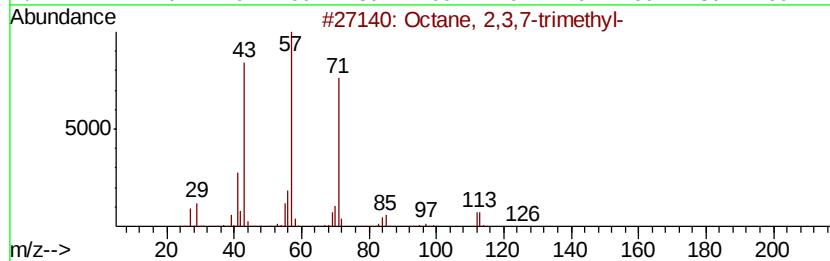
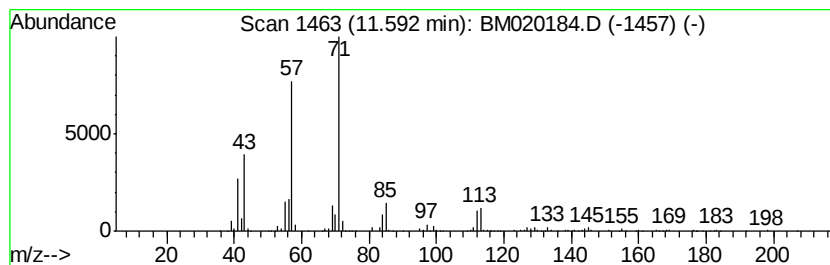
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Octane, 2,3,7-trimethyl- Concentration Rank 8

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 11.59 | 27.98 ng | 2241630 | Naphthalene-d8   | 10.59 |

| Hit# | of | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------|-----|---------|-------------|------|
| 1    | 5  | Octane, 2,3,7-trimethyl-  | 156 | C11H24  | 062016-34-6 | 83   |
| 2    |    | Octane, 2,6-dimethyl-     | 142 | C10H22  | 002051-30-1 | 83   |
| 3    |    | Heptane, 3,3,5-trimethyl- | 142 | C10H22  | 007154-80-5 | 64   |
| 4    |    | Octane, 4-bromo-          | 192 | C8H17Br | 000999-06-4 | 59   |
| 5    |    | Heptane, 3,3-dimethyl-    | 128 | C9H20   | 004032-86-4 | 50   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050719\  
Data File : BM020184.D  
Acq On : 08 May 2019 02:47  
Operator : JU/SJ  
Sample : K2704-02 2X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampled :  
SB-2(24-27)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

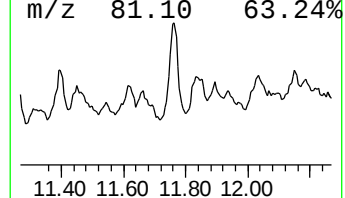
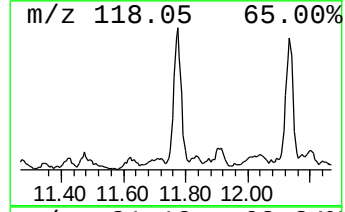
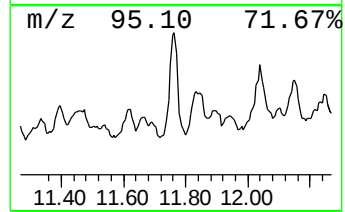
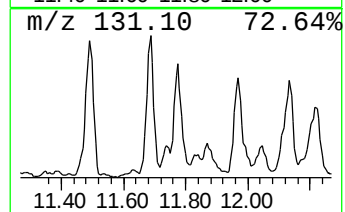
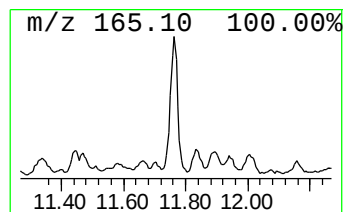
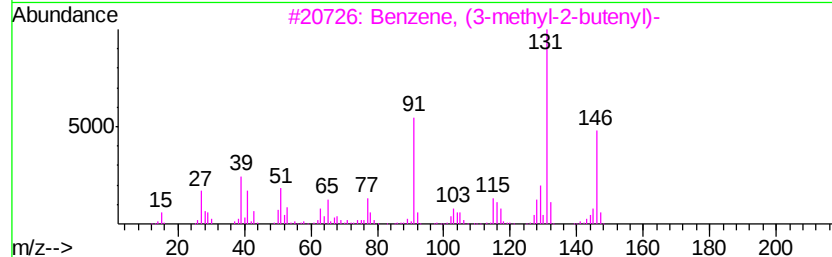
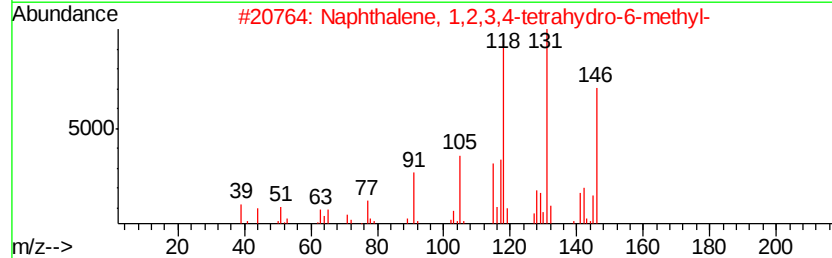
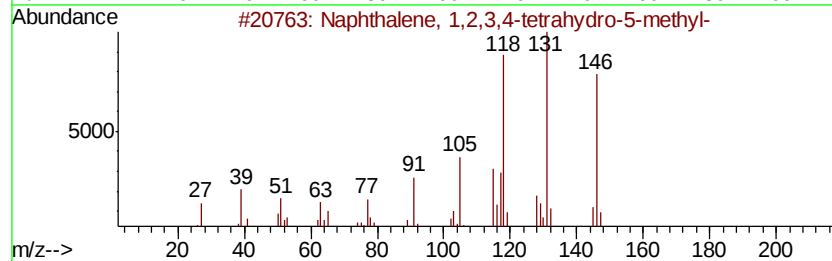
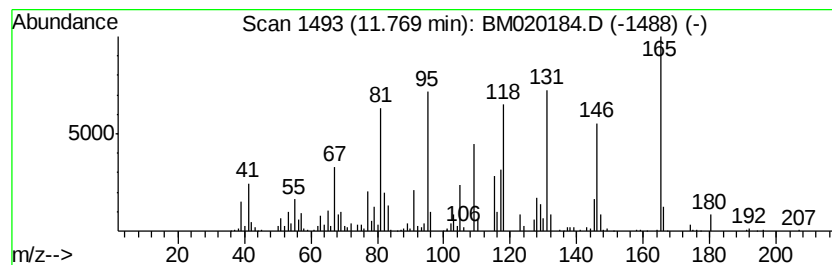
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Naphthalene, 1,2,3,4-tetra... Concentration Rank 18

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 11.77 | 17.86 ng | 1430630 | Naphthalene-d8   | 10.59 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14  | 002809-64-5 | 94   |
| 2    |    | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14  | 001680-51-9 | 83   |
| 3    |    | Benzene, (3-methyl-2-butenyl)-      | 146 | C11H14  | 004489-84-3 | 47   |
| 4    |    | Benzene, (1-ethyl-2-propenyl)-      | 146 | C11H14  | 019947-22-9 | 46   |
| 5    |    | 1H-Inden-1-one, 2,3-dihydro-2-me... | 146 | C10H10O | 017496-14-9 | 38   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050719\  
Data File : BM020184.D  
Acq On : 08 May 2019 02:47  
Operator : JU/SJ  
Sample : K2704-02 2X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

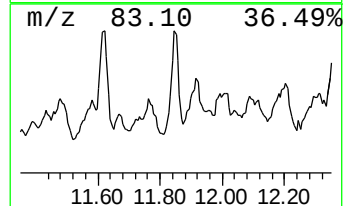
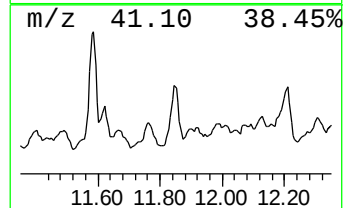
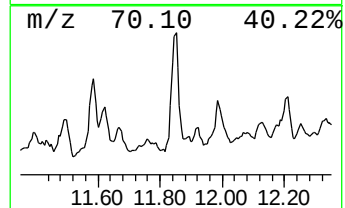
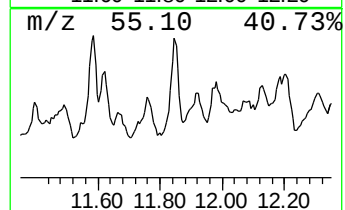
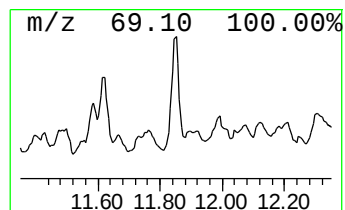
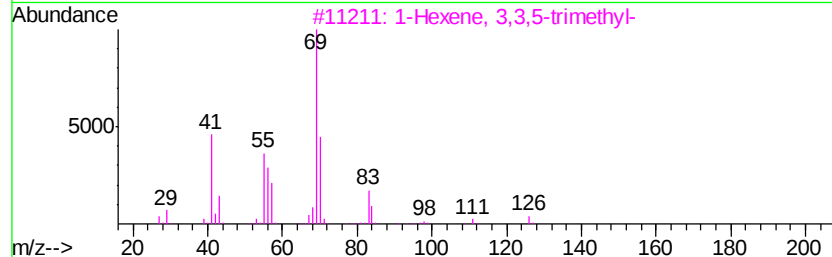
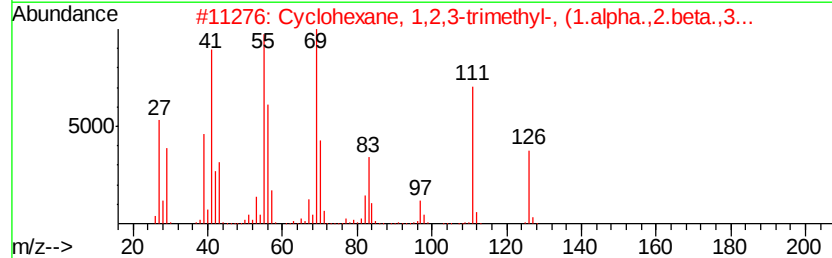
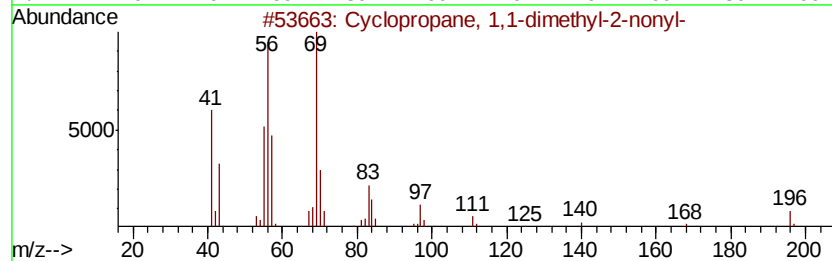
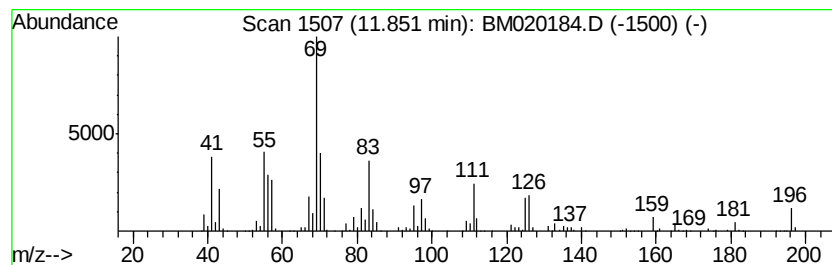
Instrument :  
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ClientSampleId :  
SB-2(24-27)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 Cyclopropane, 1,1-dimethyl-... Concentration Rank 12

| R.T.    | EstConc  | Area                                 | Relative to ISTD | R.T.           |
|---------|----------|--------------------------------------|------------------|----------------|
| 11.85   | 25.00 ng | 2002470                              | Naphthalene-d8   | 10.59          |
| Hit# of | 5        | Tentative ID                         | MW MolForm       | CAS# Qual      |
| 1       |          | Cyclopropane, 1,1-dimethyl-2-nonyl-  | 196 C14H28       | 041977-38-2 58 |
| 2       |          | Cyclohexane, 1,2,3-trimethyl-, (...) | 126 C9H18        | 001678-81-5 53 |
| 3       |          | 1-Hexene, 3,3,5-trimethyl-           | 126 C9H18        | 013427-43-5 50 |
| 4       |          | 2,2-Dimethyl-3-heptene trans         | 126 C9H18        | 019550-75-5 47 |
| 5       |          | Cyclohexane, 1,2-diethyl-3-methyl-   | 154 C11H22       | 061141-80-8 47 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050719\  
Data File : BM020184.D  
Acq On : 08 May 2019 02:47  
Operator : JU/SJ  
Sample : K2704-02 2X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
SB-2(24-27)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

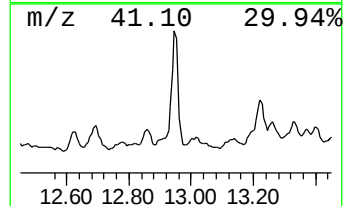
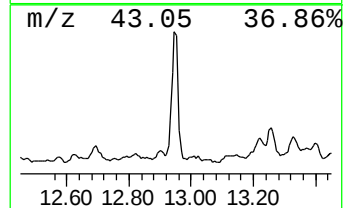
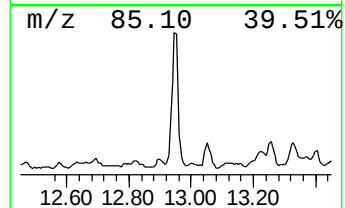
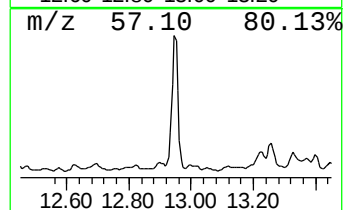
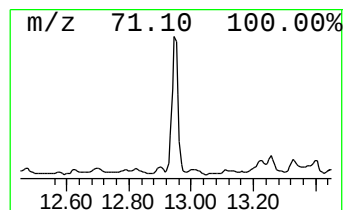
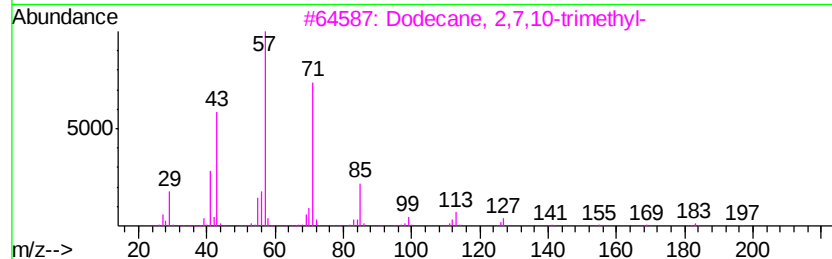
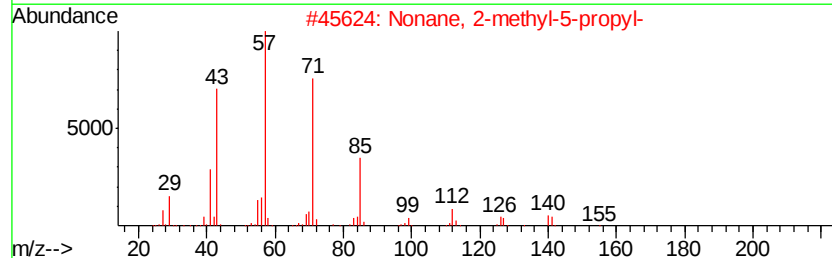
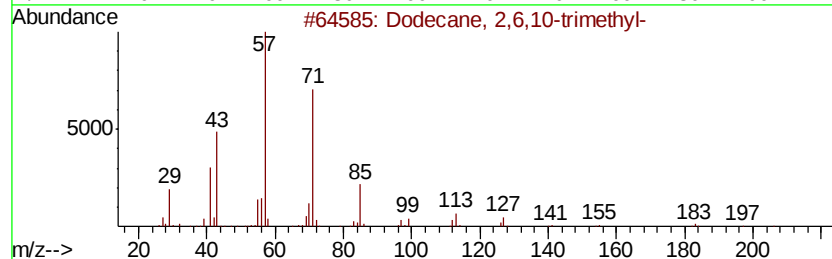
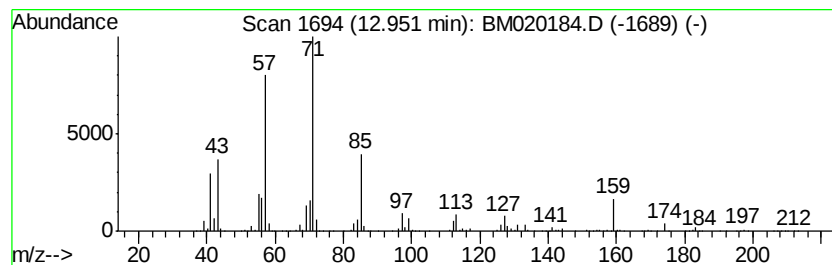
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 Dodecane, 2,6,10-trimethyl- Concentration Rank 2

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 12.95 | 38.04 ng | 4606530 | Acenaphthene-d10 | 14.44 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Dodecane, 2,6,10-trimethyl- | 212 | C15H32  | 003891-98-3 | 58   |
| 2    |    | Nonane, 2-methyl-5-propyl-  | 184 | C13H28  | 031081-17-1 | 53   |
| 3    |    | Dodecane, 2,7,10-trimethyl- | 212 | C15H32  | 074645-98-0 | 50   |
| 4    |    | Octane, 2,6-dimethyl-       | 142 | C10H22  | 002051-30-1 | 50   |
| 5    |    | Heptane, 3,3,5-trimethyl-   | 142 | C10H22  | 007154-80-5 | 47   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050719\  
Data File : BM020184.D  
Acq On : 08 May 2019 02:47  
Operator : JU/SJ  
Sample : K2704-02 2X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

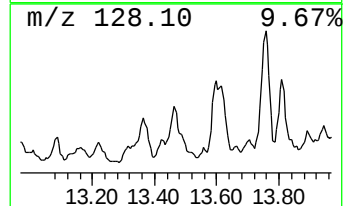
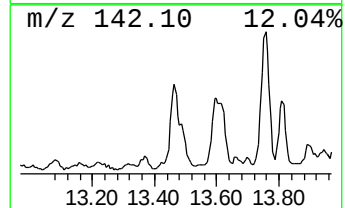
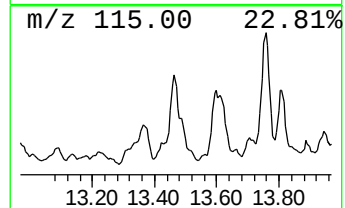
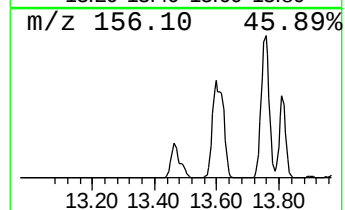
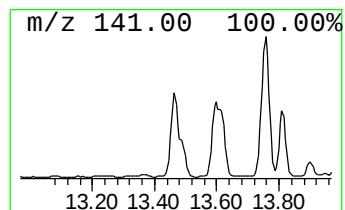
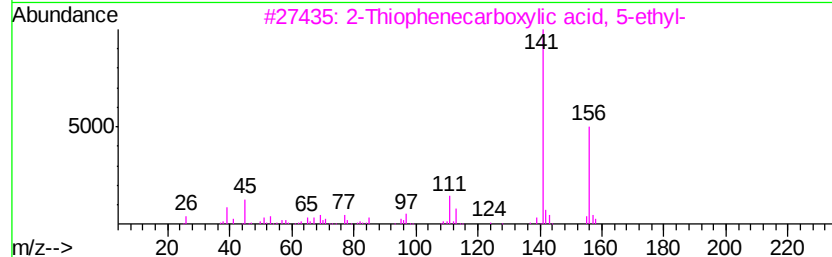
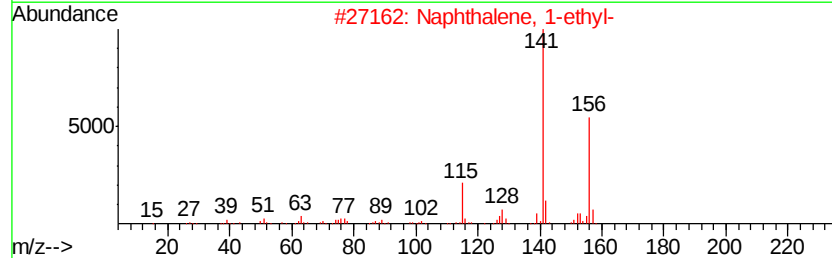
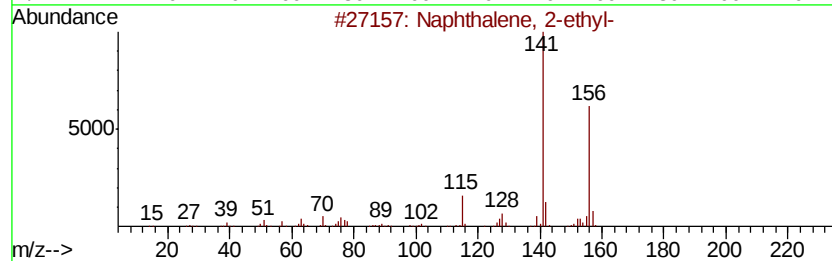
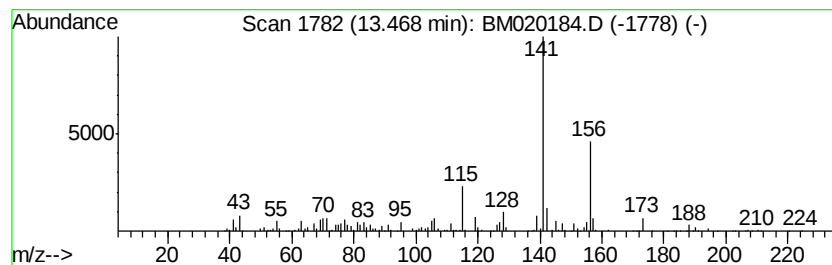
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BNA\_M  
ClientSampleId :  
SB-2(24-27)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 10 Naphthalene, 2-ethyl- Concentration Rank 19

| R.T.    | EstConc  | Area                                 | Relative to ISTD | R.T.           |
|---------|----------|--------------------------------------|------------------|----------------|
| 13.47   | 17.62 ng | 2133620                              | Acenaphthene-d10 | 14.44          |
| Hit# of | 5        | Tentative ID                         | MW MolForm       | CAS# Qual      |
| 1       |          | Naphthalene, 2-ethyl-                | 156 C12H12       | 000939-27-5 90 |
| 2       |          | Naphthalene, 1-ethyl-                | 156 C12H12       | 001127-76-0 60 |
| 3       |          | 2-Thiophenecarboxylic acid, 5-ethyl- | 156 C7H8O2S      | 023229-72-3 49 |
| 4       |          | Butethal                             | 212 C10H16N2O3   | 000077-28-1 47 |
| 5       |          | 3',4'-Difluoroacetophenone           | 156 C8H6F2O      | 000369-33-5 47 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050719\  
Data File : BM020184.D  
Acq On : 08 May 2019 02:47  
Operator : JU/SJ  
Sample : K2704-02 2X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

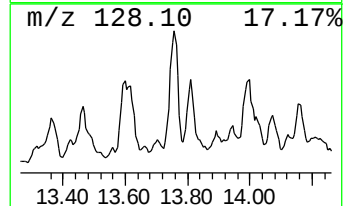
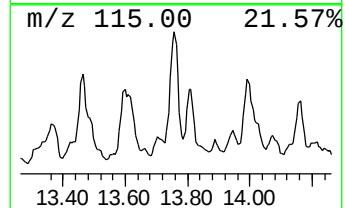
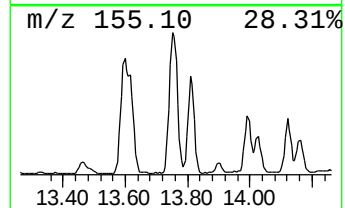
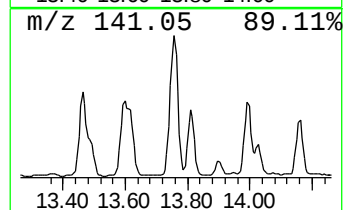
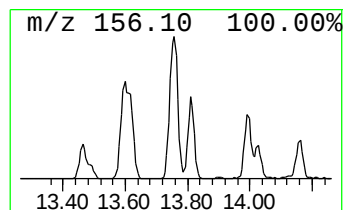
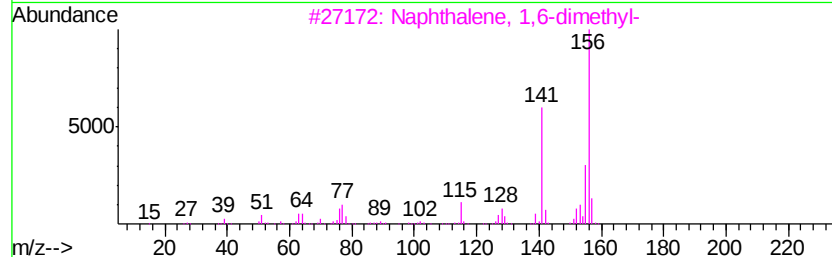
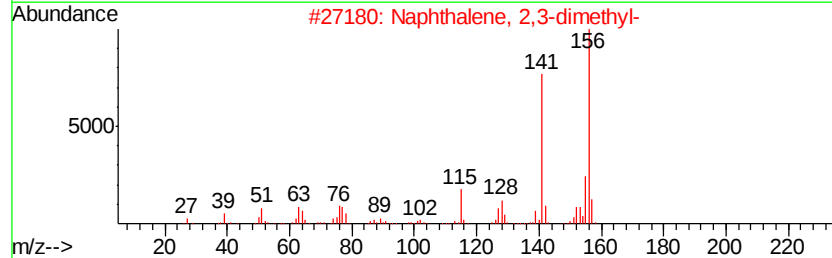
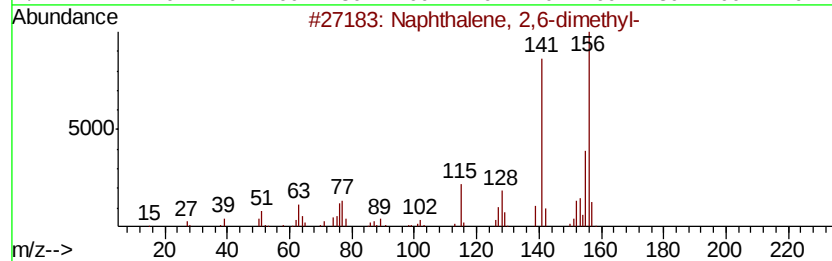
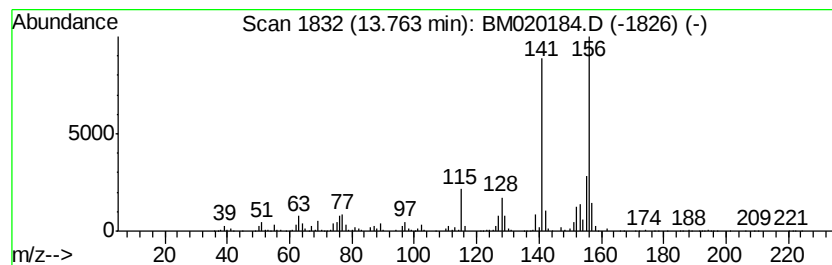
Instrument :  
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ClientSampleId :  
SB-2(24-27)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 11 Naphthalene, 2,6-dimethyl- Concentration Rank 6

| R.T.    | EstConc  | Area                       | Relative to ISTD | R.T.           |
|---------|----------|----------------------------|------------------|----------------|
| 13.76   | 32.77 ng | 3968890                    | Acenaphthene-d10 | 14.44          |
| Hit# of | 5        | Tentative ID               | MW MolForm       | CAS# Qual      |
| 1       |          | Naphthalene, 2,6-dimethyl- | 156 C12H12       | 000581-42-0 98 |
| 2       |          | Naphthalene, 2,3-dimethyl- | 156 C12H12       | 000581-40-8 97 |
| 3       |          | Naphthalene, 1,6-dimethyl- | 156 C12H12       | 000575-43-9 97 |
| 4       |          | Naphthalene, 1,7-dimethyl- | 156 C12H12       | 000575-37-1 96 |
| 5       |          | Naphthalene, 1,3-dimethyl- | 156 C12H12       | 000575-41-7 96 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050719\  
Data File : BM020184.D  
Acq On : 08 May 2019 02:47  
Operator : JU/SJ  
Sample : K2704-02 2X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

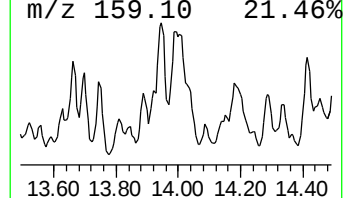
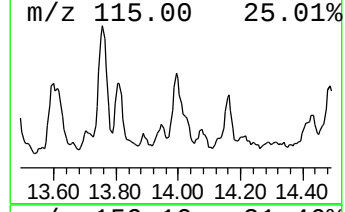
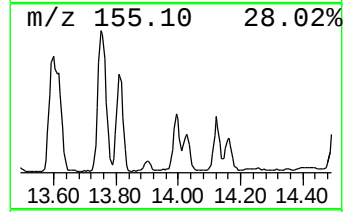
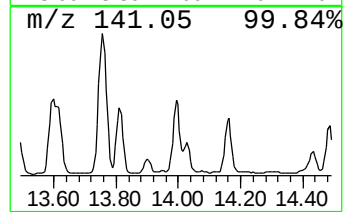
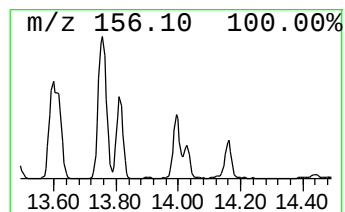
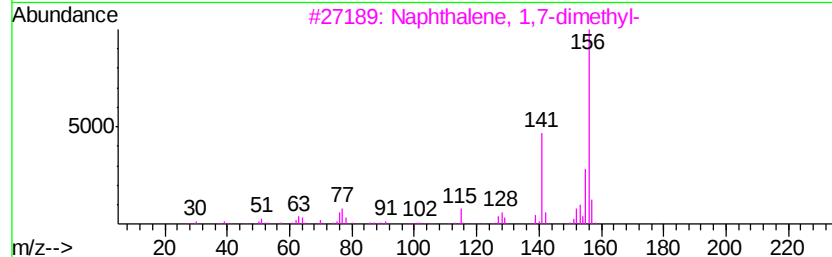
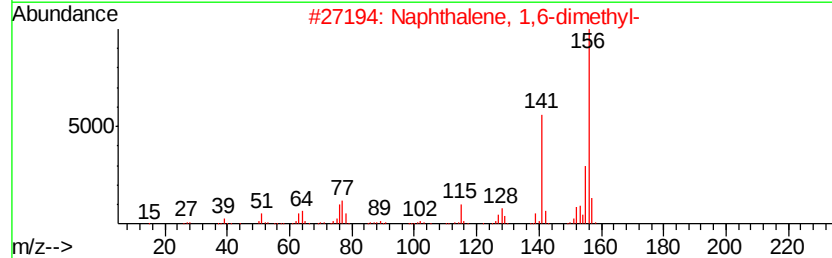
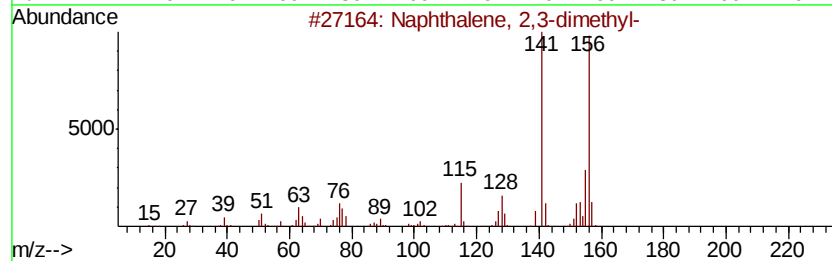
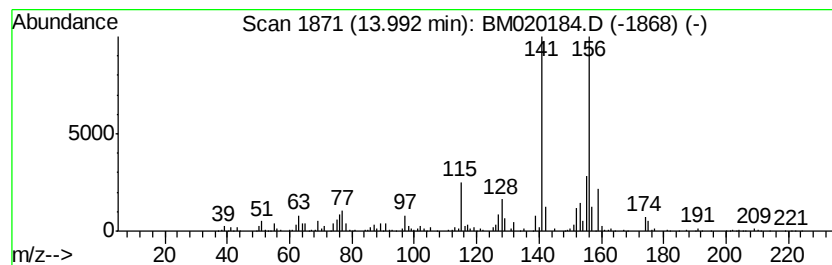
Instrument :  
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ClientSampleId :  
SB-2(24-27)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 12 Naphthalene, 2,3-dimethyl- Concentration Rank 10

| R.T.      | EstConc                    | Area    | Relative to ISTD |             | R.T.  |
|-----------|----------------------------|---------|------------------|-------------|-------|
| 13.99     | 26.39 ng                   | 3195990 | Acenaphthene-d10 |             | 14.44 |
| Hit# of 5 | Tentative ID               | MW      | MolForm          | CAS#        | Qual  |
| 1         | Naphthalene, 2,3-dimethyl- | 156     | C12H12           | 000581-40-8 | 98    |
| 2         | Naphthalene, 1,6-dimethyl- | 156     | C12H12           | 000575-43-9 | 96    |
| 3         | Naphthalene, 1,7-dimethyl- | 156     | C12H12           | 000575-37-1 | 96    |
| 4         | Naphthalene, 1,8-dimethyl- | 156     | C12H12           | 000569-41-5 | 96    |
| 5         | Naphthalene, 1,4-dimethyl- | 156     | C12H12           | 000571-58-4 | 96    |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050719\  
Data File : BM020184.D  
Acq On : 08 May 2019 02:47  
Operator : JU/SJ  
Sample : K2704-02 2X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
SB-2(24-27)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

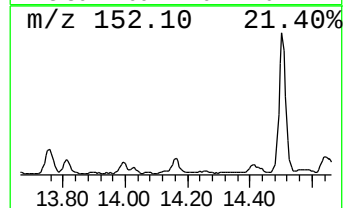
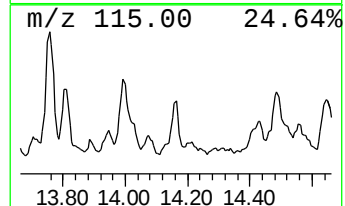
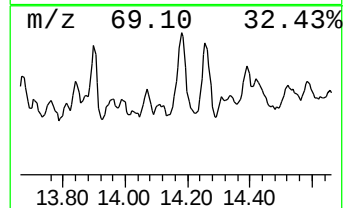
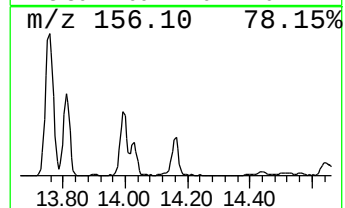
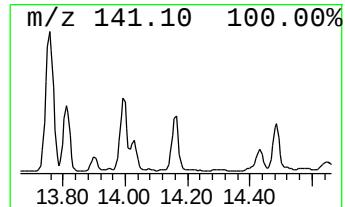
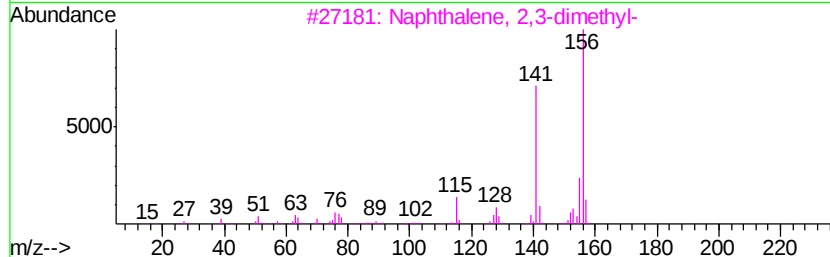
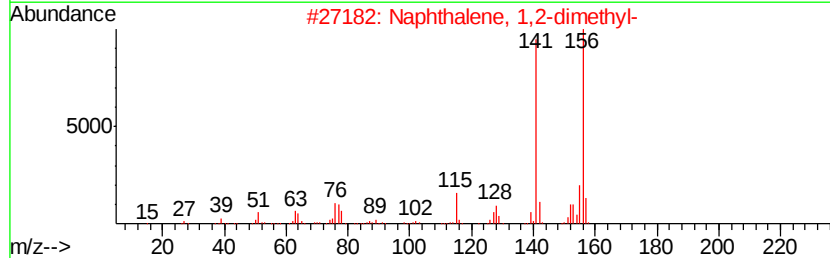
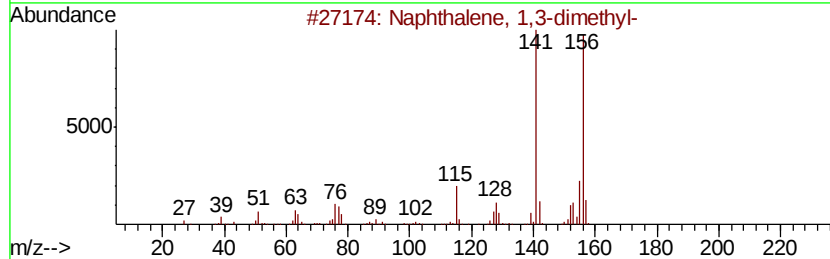
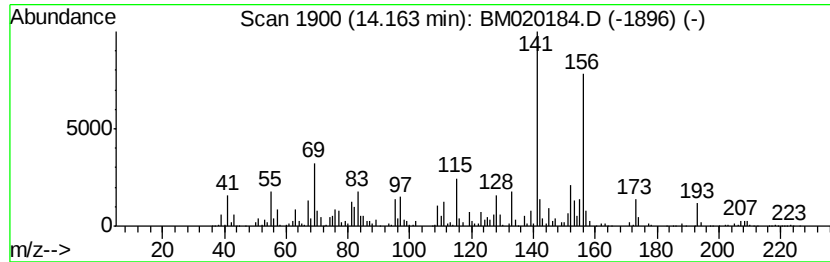
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 13 Naphthalene, 1,3-dimethyl- Concentration Rank 9

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 14.16 | 26.93 ng | 3261590 | Acenaphthene-d10 | 14.44 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 1,3-dimethyl- | 156 | C12H12  | 000575-41-7 | 94   |
| 2    |    | Naphthalene, 1,2-dimethyl- | 156 | C12H12  | 000573-98-8 | 93   |
| 3    |    | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 89   |
| 4    |    | Naphthalene, 1,4-dimethyl- | 156 | C12H12  | 000571-58-4 | 86   |
| 5    |    | Naphthalene, 1,8-dimethyl- | 156 | C12H12  | 000569-41-5 | 83   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050719\  
Data File : BM020184.D  
Acq On : 08 May 2019 02:47  
Operator : JU/SJ  
Sample : K2704-02 2X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

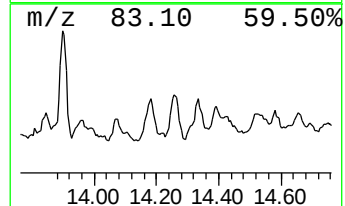
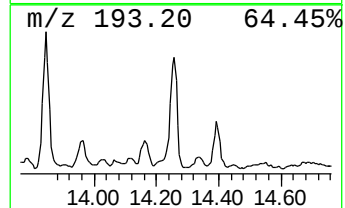
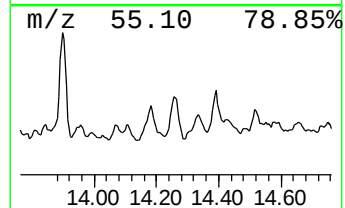
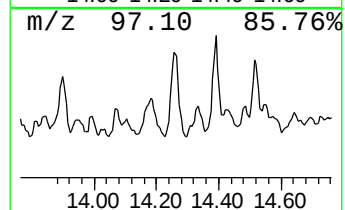
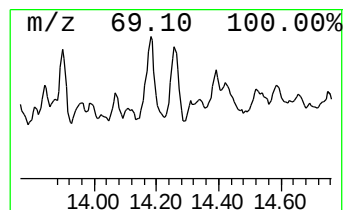
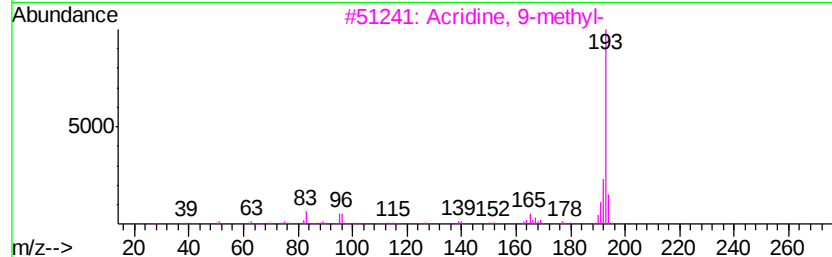
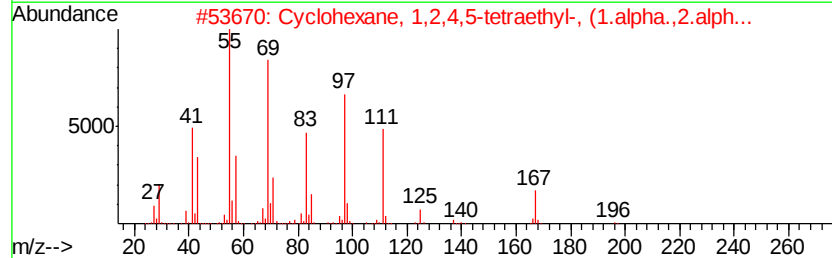
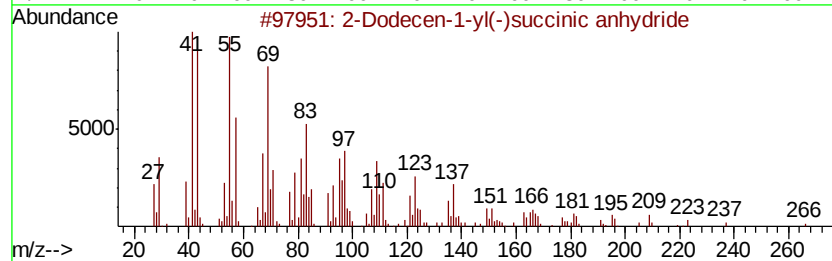
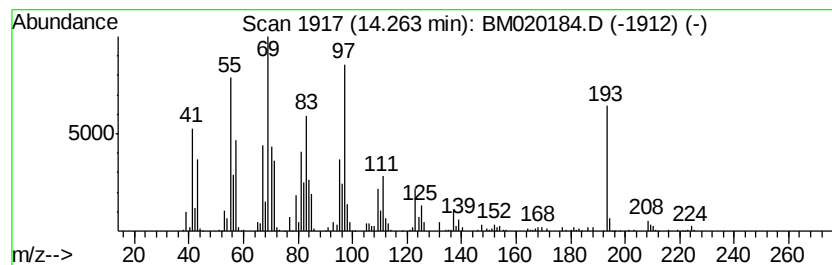
Instrument :  
BNA\_M  
ClientSampleId :  
SB-2(24-27)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 14 2-Dodecen-1-yl(-)succinic a... Concentration Rank 17

| R.T.    | EstConc  | Area                                 | Relative to ISTD | R.T.     |             |      |
|---------|----------|--------------------------------------|------------------|----------|-------------|------|
| 14.26   | 18.99 ng | 2299460                              | Acenaphthene-d10 | 14.44    |             |      |
| Hit# of | 5        | Tentative ID                         | MW               | MolForm  | CAS#        | Qual |
| 1       |          | 2-Dodecen-1-yl(-)succinic anhydride  | 266              | C16H26O3 | 019780-11-1 | 50   |
| 2       |          | Cyclohexane, 1,2,4,5-tetraethyl-...  | 196              | C14H28   | 061142-24-3 | 35   |
| 3       |          | Acridine, 9-methyl-                  | 193              | C14H11N  | 000611-64-3 | 25   |
| 4       |          | Decahydro-4,4,8,9,10-pentamethyl...  | 208              | C15H28   | 080655-44-3 | 25   |
| 5       |          | Cyclohexane, 1-(cyclohexylmethyl)... | 194              | C14H26   | 054823-96-0 | 18   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050719\  
Data File : BM020184.D  
Acq On : 08 May 2019 02:47  
Operator : JU/SJ  
Sample : K2704-02 2X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

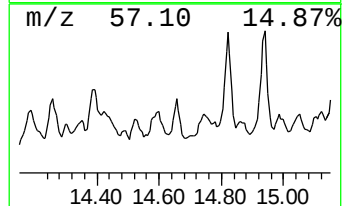
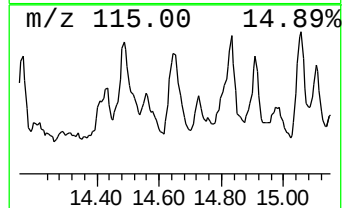
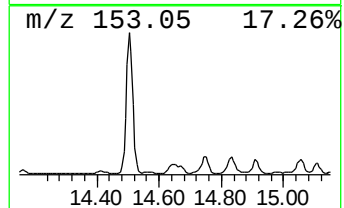
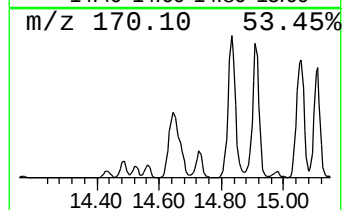
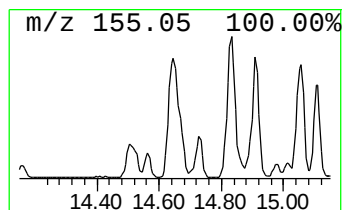
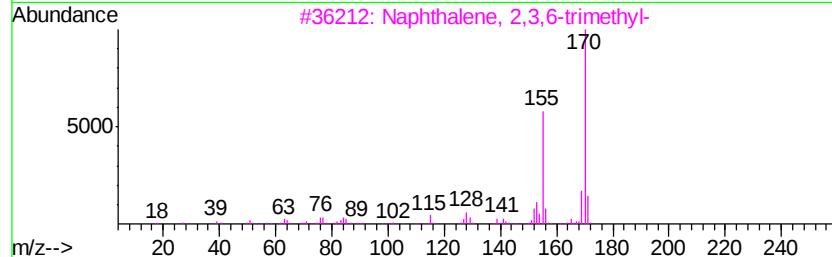
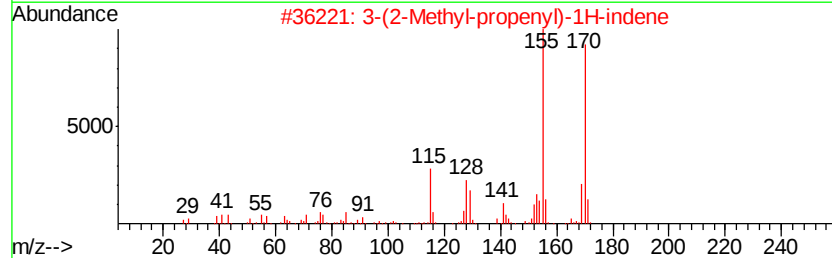
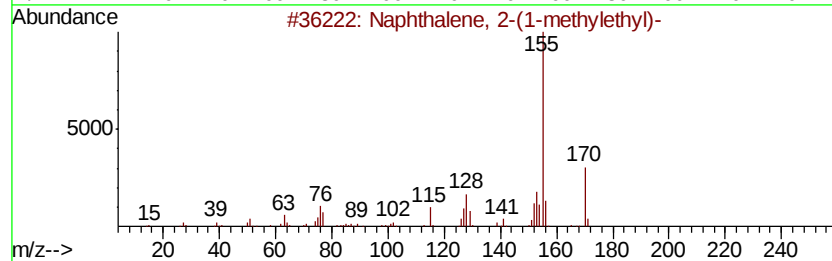
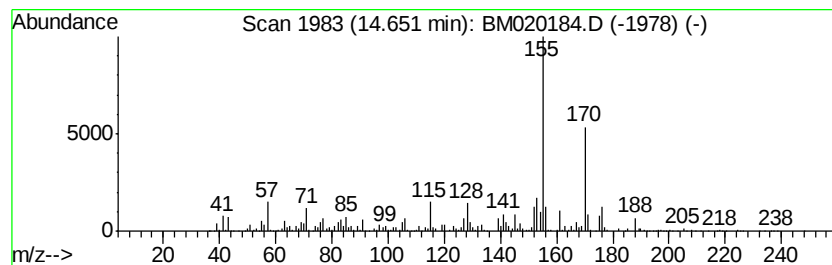
Instrument :  
BNA\_M  
ClientSampleId :  
SB-2(24-27)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 15 Naphthalene, 2-(1-methyleth... Concentration Rank 7

| R.T.    | EstConc  | Area                            | Relative to ISTD | R.T.            |
|---------|----------|---------------------------------|------------------|-----------------|
| 14.65   | 30.37 ng | 3677320                         | Acenaphthene-d10 | 14.44           |
| Hit# of | 5        | Tentative ID                    | MW MolForm       | CAS# Qual       |
| 1       |          | Naphthalene, 2-(1-methylethyl)- | 170 C13H14       | 002027-17-0 91  |
| 2       |          | 3-(2-Methyl-propenyl)-1H-indene | 170 C13H14       | 1000187-78-5 91 |
| 3       |          | Naphthalene, 2,3,6-trimethyl-   | 170 C13H14       | 000829-26-5 87  |
| 4       |          | Naphthalene, 1,4,6-trimethyl-   | 170 C13H14       | 002131-42-2 83  |
| 5       |          | Naphthalene, 1,6,7-trimethyl-   | 170 C13H14       | 002245-38-7 64  |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050719\  
Data File : BM020184.D  
Acq On : 08 May 2019 02:47  
Operator : JU/SJ  
Sample : K2704-02 2X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

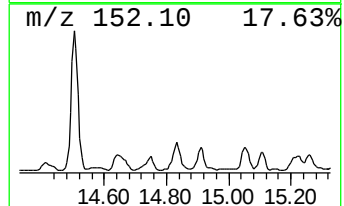
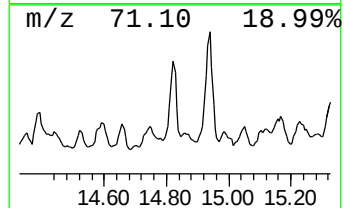
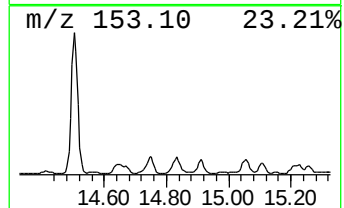
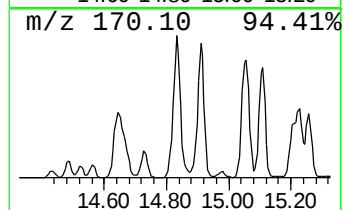
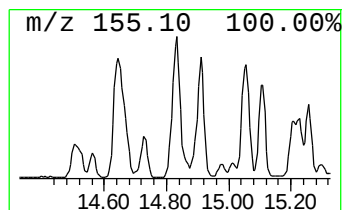
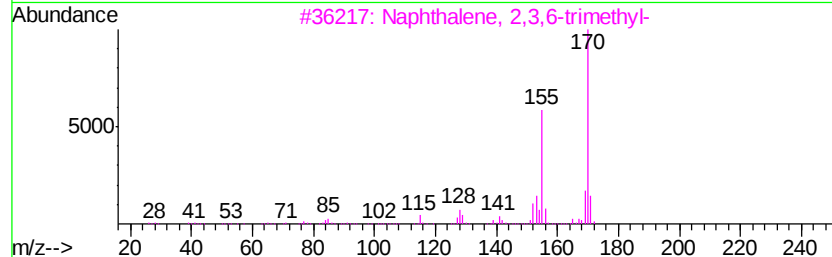
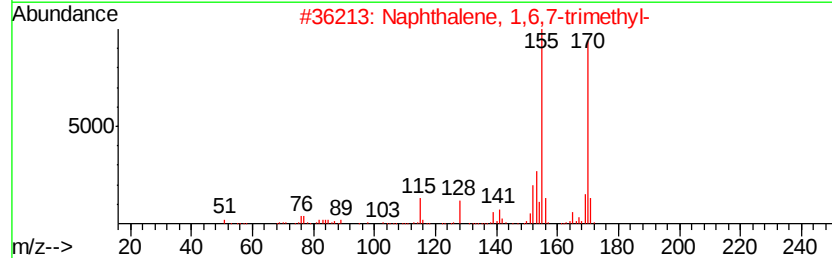
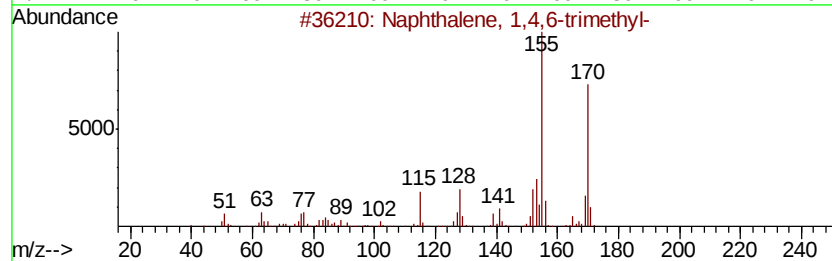
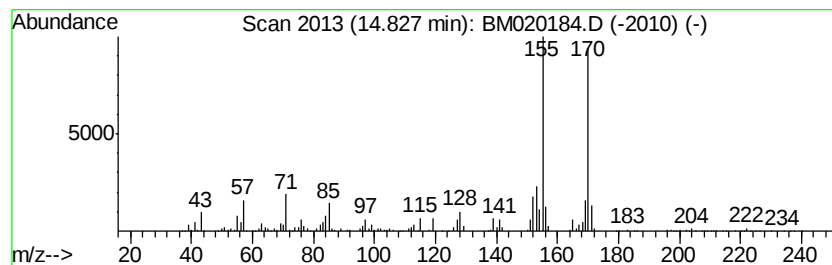
Instrument :  
BNA\_M  
ClientSampleId :  
SB-2(24-27)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 16 Naphthalene, 1,4,6-trimethyl- Concentration Rank 11

| R.T.    | EstConc  | Area                                | Relative to ISTD | R.T.            |
|---------|----------|-------------------------------------|------------------|-----------------|
| 14.83   | 25.96 ng | 3143320                             | Acenaphthene-d10 | 14.44           |
| Hit# of | 5        | Tentative ID                        | MW MolForm       | CAS# Qual       |
| 1       |          | Naphthalene, 1,4,6-trimethyl-       | 170 C13H14       | 002131-42-2 97  |
| 2       |          | Naphthalene, 1,6,7-trimethyl-       | 170 C13H14       | 002245-38-7 95  |
| 3       |          | Naphthalene, 2,3,6-trimethyl-       | 170 C13H14       | 000829-26-5 94  |
| 4       |          | Azulene, 4,6,8-trimethyl-           | 170 C13H14       | 000941-81-1 93  |
| 5       |          | 1-(2,2-Dimethylcyclopropyl)-2-ph... | 170 C13H14       | 1000294-91-1 90 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050719\  
Data File : BM020184.D  
Acq On : 08 May 2019 02:47  
Operator : JU/SJ  
Sample : K2704-02 2X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
SB-2(24-27)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

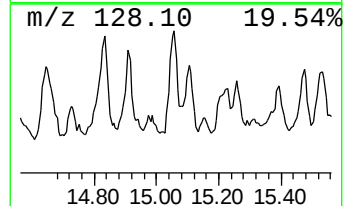
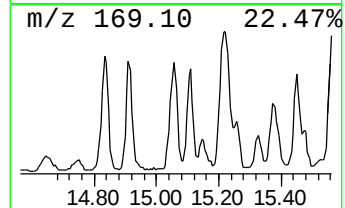
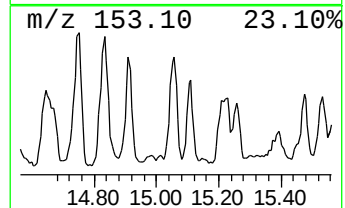
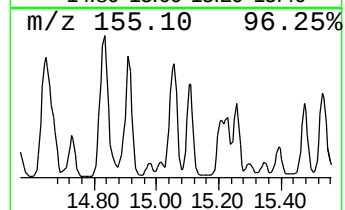
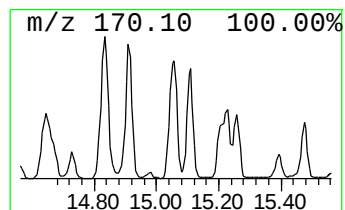
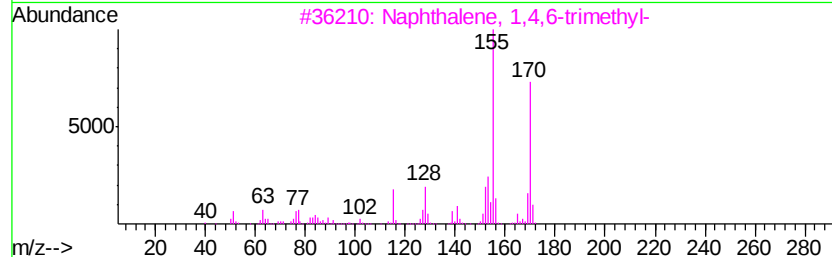
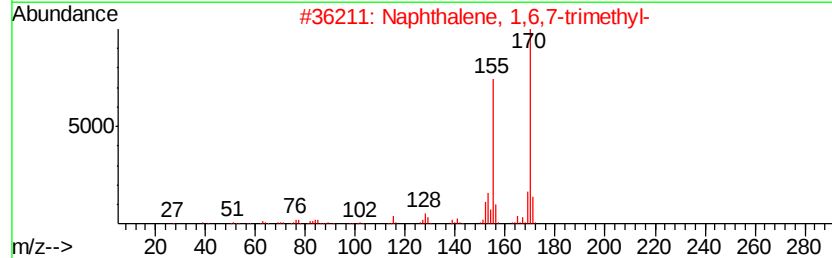
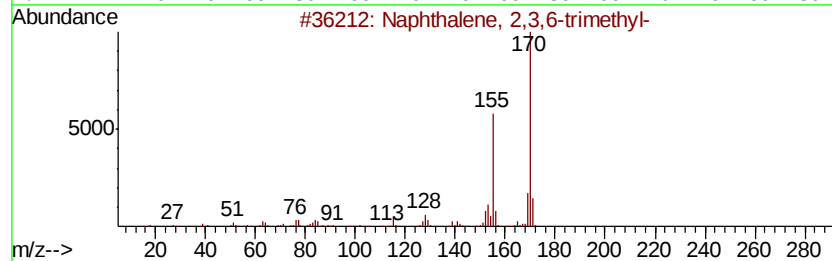
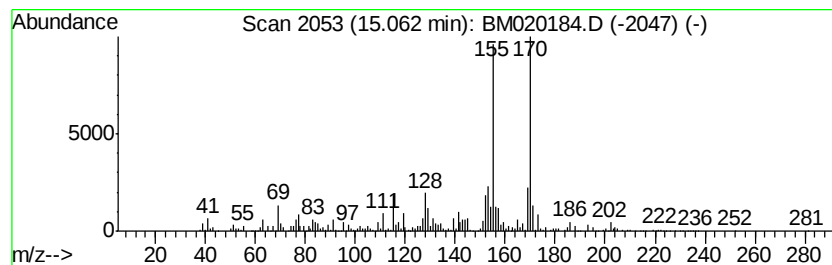
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 17 Naphthalene, 2,3,6-trimethyl- Concentration Rank 5

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 15.06 | 35.65 ng | 4316810 | Acenaphthene-d10 | 14.44 |

| Hit# | of | Tentative ID                    | MW  | MolForm | CAS#         | Qual |
|------|----|---------------------------------|-----|---------|--------------|------|
| 1    | 5  | Naphthalene, 2,3,6-trimethyl-   | 170 | C13H14  | 000829-26-5  | 97   |
| 2    |    | Naphthalene, 1,6,7-trimethyl-   | 170 | C13H14  | 002245-38-7  | 97   |
| 3    |    | Naphthalene, 1,4,6-trimethyl-   | 170 | C13H14  | 002131-42-2  | 97   |
| 4    |    | Azulene, 4,6,8-trimethyl-       | 170 | C13H14  | 000941-81-1  | 94   |
| 5    |    | 3-(2-Methyl-propenyl)-1H-indene | 170 | C13H14  | 1000187-78-5 | 94   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050719\  
Data File : BM020184.D  
Acq On : 08 May 2019 02:47  
Operator : JU/SJ  
Sample : K2704-02 2X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
SB-2(24-27)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

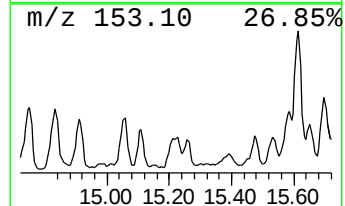
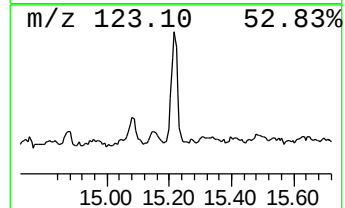
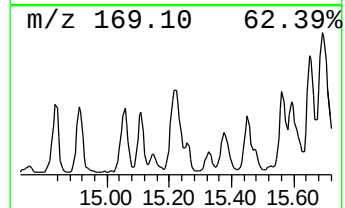
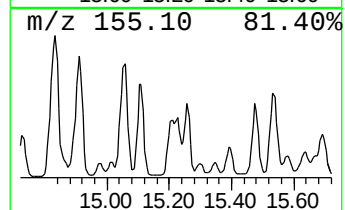
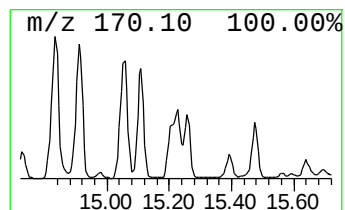
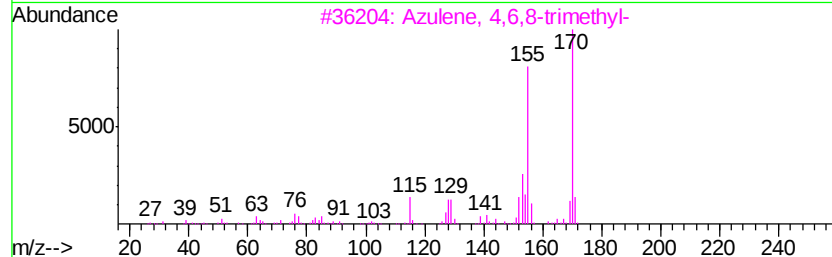
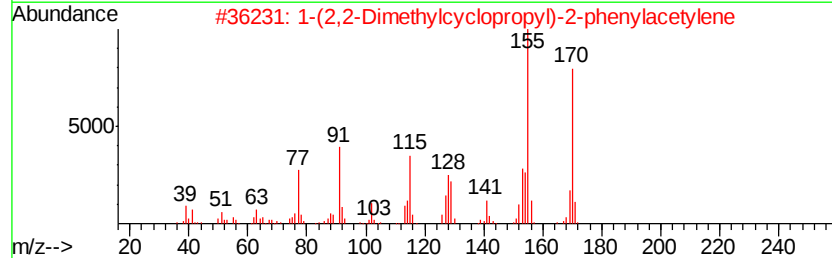
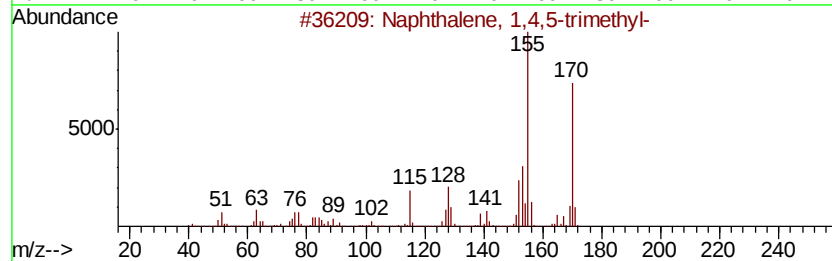
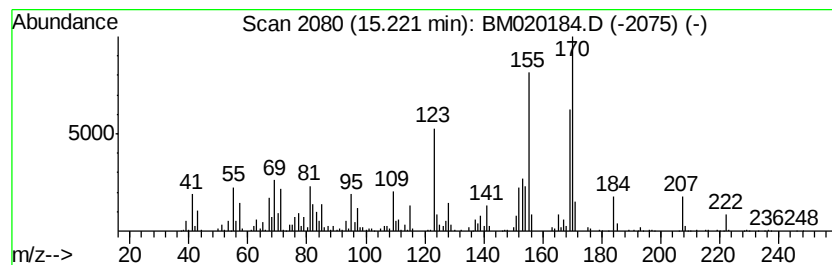
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 18 Naphthalene, 1,4,5-trimethyl- Concentration Rank 16

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 15.22 | 19.69 ng | 2384170 | Acenaphthene-d10 | 14.44 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|-------------------------------------|-----|---------|--------------|------|
| 1    | 5  | Naphthalene, 1,4,5-trimethyl-       | 170 | C13H14  | 002131-41-1  | 64   |
| 2    |    | 1-(2,2-Dimethylcyclopropyl)-2-ph... | 170 | C13H14  | 1000294-91-1 | 50   |
| 3    |    | Azulene, 4,6,8-trimethyl-           | 170 | C13H14  | 000941-81-1  | 50   |
| 4    |    | Naphthalene, 1,6,7-trimethyl-       | 170 | C13H14  | 002245-38-7  | 46   |
| 5    |    | Naphthalene, 1,4,6-trimethyl-       | 170 | C13H14  | 002131-42-2  | 46   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050719\  
Data File : BM020184.D  
Acq On : 08 May 2019 02:47  
Operator : JU/SJ  
Sample : K2704-02 2X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
SB-2(24-27)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

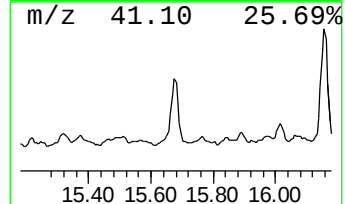
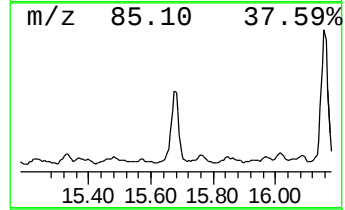
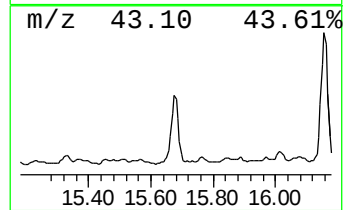
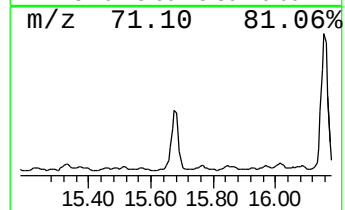
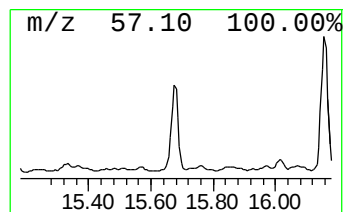
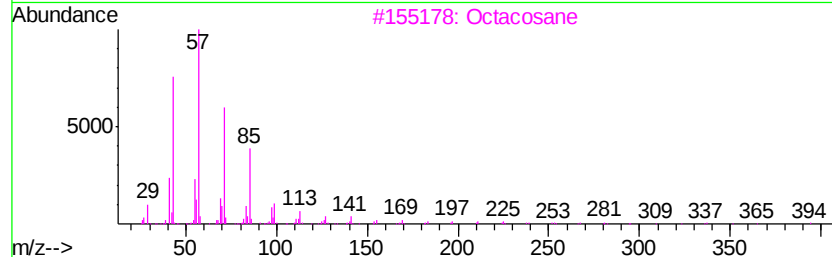
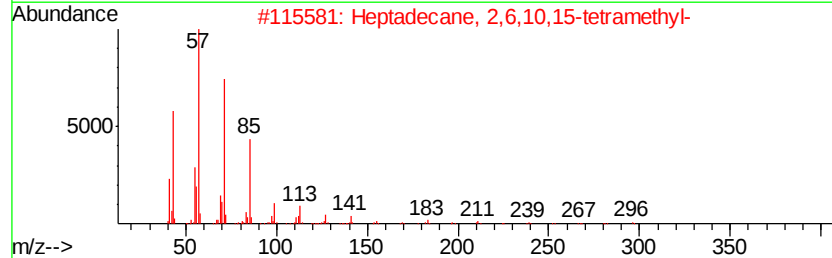
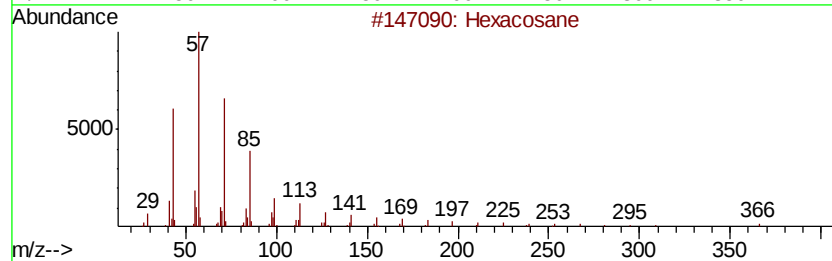
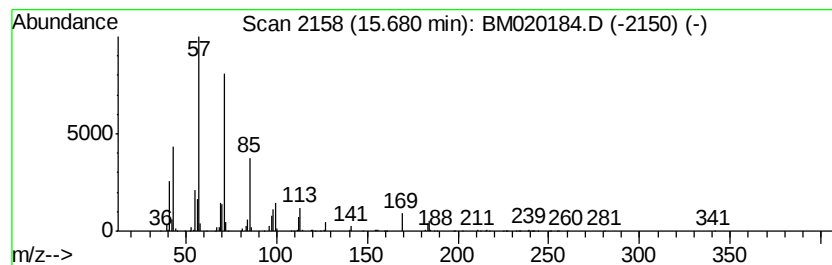
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 19 Hexacosane Concentration Rank 1

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 15.68 | 76.95 ng | 9318090 | Acenaphthene-d10 | 14.44 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Hexacosane                          | 366 | C26H54  | 000630-01-3 | 86   |
| 2    |    | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44  | 054833-48-6 | 80   |
| 3    |    | Octacosane                          | 394 | C28H58  | 000630-02-4 | 80   |
| 4    |    | Tridecane                           | 184 | C13H28  | 000629-50-5 | 80   |
| 5    |    | Hexadecane, 2,6,10,14-tetramethyl-  | 282 | C20H42  | 000638-36-8 | 72   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM050719\  
 Data File : BM020184.D  
 Acq On : 08 May 2019 02:47  
 Operator : JU/SJ  
 Sample : K2704-02 2X  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SB-2(24-27)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM043019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
 TIC Integration Parameters: LSCINT.P

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| unknown7.32          | 7.32  | 24.9    | ng    | 2363990  | 1                     | 7.79  | 1898200 | 20.0 |
| Benzene, 4-ethyl-... | 8.87  | 17.5    | ng    | 1662970  | 1                     | 7.79  | 1898200 | 20.0 |
| Undecane, 2,6-dim... | 10.72 | 37.0    | ng    | 2962180  | 2                     | 10.59 | 1602150 | 20.0 |
| Cyclohexane, 2-bu... | 11.05 | 25.0    | ng    | 2001240  | 2                     | 10.59 | 1602150 | 20.0 |
| Octane, 2,3,7-tri... | 11.59 | 28.0    | ng    | 2241630  | 2                     | 10.59 | 1602150 | 20.0 |
| Naphthalene, 1,2,... | 11.77 | 17.9    | ng    | 1430630  | 2                     | 10.59 | 1602150 | 20.0 |
| Cyclopropane, 1,1... | 11.85 | 25.0    | ng    | 2002470  | 2                     | 10.59 | 1602150 | 20.0 |
| Dodecane, 2,6,10-... | 12.95 | 38.0    | ng    | 4606530  | 3                     | 14.44 | 2422010 | 20.0 |
| Naphthalene, 2-et... | 13.47 | 17.6    | ng    | 2133620  | 3                     | 14.44 | 2422010 | 20.0 |
| Naphthalene, 2,6-... | 13.76 | 32.8    | ng    | 3968890  | 3                     | 14.44 | 2422010 | 20.0 |
| Naphthalene, 2,3-... | 13.99 | 26.4    | ng    | 3195990  | 3                     | 14.44 | 2422010 | 20.0 |
| Naphthalene, 1,3-... | 14.16 | 26.9    | ng    | 3261590  | 3                     | 14.44 | 2422010 | 20.0 |
| 2-Dodecen-1-yl(-)... | 14.26 | 19.0    | ng    | 2299460  | 3                     | 14.44 | 2422010 | 20.0 |
| Naphthalene, 2-(1... | 14.65 | 30.4    | ng    | 3677320  | 3                     | 14.44 | 2422010 | 20.0 |
| Naphthalene, 1,4,... | 14.83 | 26.0    | ng    | 3143320  | 3                     | 14.44 | 2422010 | 20.0 |
| Naphthalene, 2,3,... | 15.06 | 35.6    | ng    | 4316810  | 3                     | 14.44 | 2422010 | 20.0 |
| Naphthalene, 1,4,... | 15.22 | 19.7    | ng    | 2384170  | 3                     | 14.44 | 2422010 | 20.0 |
| Hexacosane           | 15.68 | 77.0    | ng    | 9318090  | 3                     | 14.44 | 2422010 | 20.0 |