

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG041922\  
 Data File : BG053204.D  
 Acq On : 19 Apr 2022 20:33  
 Operator : CG/JU  
 Sample : N2452-05  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 WC-15-1-3

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG040822.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG053204.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         | 5.684       | 384           | 391         | 400          | rBV      | 415537         | 687671        | 47.33%          | 3.961%        |
| 2         | 6.383       | 506           | 510         | 518          | rBV4     | 8987           | 21463         | 1.48%           | 0.124%        |
| 3         | 6.671       | 555           | 559         | 564          | rVB      | 16676          | 21604         | 1.49%           | 0.124%        |
| 4         | 6.753       | 569           | 573         | 576          | rBV5     | 13478          | 22346         | 1.54%           | 0.129%        |
| 5         | 7.006       | 610           | 616         | 622          | rBV5     | 8561           | 21568         | 1.48%           | 0.124%        |
| 6         | 7.106       | 622           | 633         | 638          | rBV7     | 15128          | 31250         | 2.15%           | 0.180%        |
| 7         | 7.276       | 655           | 662         | 669          | rBV      | 453877         | 826074        | 56.86%          | 4.759%        |
| 8         | 7.341       | 669           | 673         | 680          | rVB2     | 17121          | 29301         | 2.02%           | 0.169%        |
| 9         | 7.505       | 696           | 701         | 706          | rBV3     | 13777          | 24241         | 1.67%           | 0.140%        |
| 10        | 7.769       | 741           | 746         | 752          | rVB      | 19315          | 30512         | 2.10%           | 0.176%        |
| 11        | 8.116       | 797           | 805         | 811          | rVB2     | 117950         | 241058        | 16.59%          | 1.389%        |
| 12        | 8.245       | 822           | 827         | 833          | rVB4     | 16811          | 32149         | 2.21%           | 0.185%        |
| 13        | 8.310       | 833           | 838         | 842          | rBV3     | 13358          | 22603         | 1.56%           | 0.130%        |
| 14        | 8.363       | 842           | 847         | 851          | rVV3     | 18714          | 41261         | 2.84%           | 0.238%        |
| 15        | 8.416       | 851           | 856         | 861          | rVB5     | 22271          | 42725         | 2.94%           | 0.246%        |
| 16        | 8.674       | 893           | 900         | 909          | rVB5     | 27981          | 88026         | 6.06%           | 0.507%        |
| 17        | 8.762       | 909           | 915         | 916          | rBV2     | 20698          | 27726         | 1.91%           | 0.160%        |
| 18        | 8.797       | 918           | 921         | 929          | rVB3     | 23528          | 39738         | 2.74%           | 0.229%        |
| 19        | 8.962       | 945           | 949         | 953          | rBV5     | 14183          | 26236         | 1.81%           | 0.151%        |
| 20        | 9.003       | 953           | 956         | 965          | rVB7     | 20495          | 48832         | 3.36%           | 0.281%        |
| 21        | 9.232       | 985           | 995         | 997          | rBV4     | 46191          | 88549         | 6.10%           | 0.510%        |
| 22        | 9.279       | 997           | 1003        | 1009         | rVB      | 261993         | 471329        | 32.44%          | 2.715%        |
| 23        | 9.479       | 1026          | 1037        | 1046         | rBV      | 26904          | 113338        | 7.80%           | 0.653%        |
| 24        | 9.591       | 1046          | 1056        | 1062         | rBV      | 18370          | 68804         | 4.74%           | 0.396%        |
| 25        | 9.702       | 1070          | 1075        | 1080         | rVB2     | 43481          | 68475         | 4.71%           | 0.394%        |
| 26        | 9.761       | 1080          | 1085        | 1090         | rBV6     | 21858          | 36376         | 2.50%           | 0.210%        |
| 27        | 9.814       | 1090          | 1094        | 1097         | rBV4     | 24786          | 40752         | 2.81%           | 0.235%        |
| 28        | 10.008      | 1119          | 1127        | 1131         | rBV7     | 18466          | 42556         | 2.93%           | 0.245%        |
| 29        | 10.055      | 1131          | 1135        | 1140         | rVB4     | 33271          | 55758         | 3.84%           | 0.321%        |
| 30        | 10.113      | 1140          | 1145        | 1152         | rBV9     | 47580          | 100405        | 6.91%           | 0.578%        |
| 31        | 10.207      | 1152          | 1161        | 1165         | rBV5     | 26018          | 65379         | 4.50%           | 0.377%        |
| 32        | 10.260      | 1167          | 1170        | 1174         | rBV4     | 13764          | 24267         | 1.67%           | 0.140%        |
| 33        | 10.337      | 1174          | 1183        | 1189         | rVB      | 185763         | 321314        | 22.12%          | 1.851%        |
| 34        | 10.407      | 1189          | 1195        | 1199         | rBV      | 140926         | 235595        | 16.22%          | 1.357%        |
| 35        | 10.513      | 1206          | 1213        | 1223         | rVB4     | 55317          | 118480        | 8.16%           | 0.683%        |
| 36        | 10.660      | 1235          | 1238        | 1241         | rVB3     | 17235          | 20735         | 1.43%           | 0.119%        |

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 Sample : N2452-05  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 WC-15-1-3

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG040822.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |       |        |         |        |        |
|----|--------|------|------|------|-------|--------|---------|--------|--------|
| 37 | 10.701 | 1241 | 1245 | 1252 | rVB7  | 18930  | 37738   | 2.60%  | 0.217% |
| 38 | 10.795 | 1255 | 1261 | 1264 | rBV4  | 41432  | 81957   | 5.64%  | 0.472% |
| 39 | 10.930 | 1273 | 1284 | 1293 | rBV2  | 165633 | 516816  | 35.57% | 2.977% |
| 40 | 11.083 | 1306 | 1310 | 1316 | rVB2  | 101606 | 177010  | 12.18% | 1.020% |
| 41 | 11.147 | 1316 | 1321 | 1328 | rBV8  | 37299  | 89374   | 6.15%  | 0.515% |
| 42 | 11.218 | 1328 | 1333 | 1339 | rBV3  | 40038  | 80973   | 5.57%  | 0.466% |
| 43 | 11.429 | 1361 | 1369 | 1374 | rVB6  | 43758  | 110526  | 7.61%  | 0.637% |
| 44 | 11.482 | 1374 | 1378 | 1382 | rBV5  | 32045  | 64153   | 4.42%  | 0.370% |
| 45 | 11.635 | 1399 | 1404 | 1409 | rVB6  | 76546  | 137888  | 9.49%  | 0.794% |
| 46 | 11.758 | 1420 | 1425 | 1434 | rBV3  | 81923  | 197065  | 13.56% | 1.135% |
| 47 | 11.840 | 1434 | 1439 | 1445 | rVB   | 79670  | 139669  | 9.61%  | 0.805% |
| 48 | 11.905 | 1445 | 1450 | 1453 | rBV   | 83618  | 134532  | 9.26%  | 0.775% |
| 49 | 11.946 | 1453 | 1457 | 1461 | rVV   | 142135 | 212704  | 14.64% | 1.225% |
| 50 | 11.981 | 1461 | 1463 | 1467 | rVV4  | 39789  | 45339   | 3.12%  | 0.261% |
| 51 | 12.034 | 1467 | 1472 | 1478 | rVB4  | 86884  | 157663  | 10.85% | 0.908% |
| 52 | 12.122 | 1482 | 1487 | 1494 | rVB3  | 96193  | 152408  | 10.49% | 0.878% |
| 53 | 12.210 | 1494 | 1502 | 1509 | rBV10 | 53734  | 137589  | 9.47%  | 0.793% |
| 54 | 12.962 | 1627 | 1630 | 1634 | rBV4  | 40273  | 56887   | 3.92%  | 0.328% |
| 55 | 13.027 | 1638 | 1641 | 1650 | rVB4  | 53823  | 102997  | 7.09%  | 0.593% |
| 56 | 13.280 | 1680 | 1684 | 1689 | rVB   | 258415 | 367880  | 25.32% | 2.119% |
| 57 | 13.368 | 1690 | 1699 | 1705 | rBV   | 754694 | 1250098 | 86.05% | 7.201% |
| 58 | 13.562 | 1725 | 1732 | 1734 | rBV5  | 68741  | 163245  | 11.24% | 0.940% |
| 59 | 13.767 | 1765 | 1767 | 1769 | rBV3  | 23184  | 25428   | 1.75%  | 0.146% |
| 60 | 13.908 | 1787 | 1791 | 1792 | rBV3  | 49636  | 63966   | 4.40%  | 0.368% |
| 61 | 14.067 | 1813 | 1818 | 1822 | rBV2  | 115652 | 205484  | 14.14% | 1.184% |
| 62 | 14.120 | 1823 | 1827 | 1832 | rVV2  | 113173 | 175604  | 12.09% | 1.012% |
| 63 | 14.173 | 1832 | 1836 | 1840 | rVV2  | 98541  | 163915  | 11.28% | 0.944% |
| 64 | 14.220 | 1840 | 1844 | 1848 | rVB   | 330073 | 431523  | 29.70% | 2.486% |
| 65 | 14.578 | 1901 | 1905 | 1910 | rVB3  | 133397 | 200350  | 13.79% | 1.154% |
| 66 | 14.707 | 1923 | 1927 | 1929 | rBV3  | 105858 | 165523  | 11.39% | 0.954% |
| 67 | 14.742 | 1929 | 1933 | 1939 | rVB   | 292239 | 474628  | 32.67% | 2.734% |
| 68 | 14.830 | 1945 | 1948 | 1952 | rBV5  | 44727  | 59461   | 4.09%  | 0.343% |
| 69 | 15.136 | 1995 | 2000 | 2006 | rVB3  | 130359 | 218604  | 15.05% | 1.259% |
| 70 | 15.212 | 2011 | 2013 | 2016 | rVV3  | 76350  | 88283   | 6.08%  | 0.509% |
| 71 | 15.253 | 2016 | 2020 | 2032 | rVB6  | 115768 | 269350  | 18.54% | 1.552% |
| 72 | 15.359 | 2033 | 2038 | 2043 | rBV3  | 102372 | 194531  | 13.39% | 1.121% |
| 73 | 15.406 | 2043 | 2046 | 2050 | rVB2  | 73518  | 89329   | 6.15%  | 0.515% |
| 74 | 15.459 | 2052 | 2055 | 2061 | rVV4  | 41023  | 75488   | 5.20%  | 0.435% |
| 75 | 15.776 | 2106 | 2109 | 2113 | rBV2  | 50170  | 84789   | 5.84%  | 0.488% |
| 76 | 15.982 | 2140 | 2144 | 2152 | rVB   | 341084 | 549996  | 37.86% | 3.168% |

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Sample : N2452-05  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
WC-15-1-3

Integration Parameters: rteint.p  
Integrator: RTE  
Smoothing : ON Filtering: 5  
Sampling : 1 Min Area: 3 % of largest Peak  
Start Thrs: 0.2 Max Peaks: 100  
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG040822.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 77 | 16.199 | 2178 | 2181 | 2182 | rBV2 | 55832   | 67515   | 4.65%   | 0.389% |
| 78 | 16.229 | 2182 | 2186 | 2192 | rVB  | 531078  | 771265  | 53.09%  | 4.443% |
| 79 | 16.464 | 2221 | 2226 | 2231 | rVB  | 771264  | 1088910 | 74.95%  | 6.273% |
| 80 | 17.286 | 2361 | 2366 | 2371 | rBV  | 610046  | 865778  | 59.59%  | 4.988% |
| 81 | 17.486 | 2395 | 2400 | 2405 | rBV  | 333408  | 637726  | 43.90%  | 3.674% |
| 82 | 17.891 | 2466 | 2469 | 2474 | rBV2 | 237966  | 325599  | 22.41%  | 1.876% |
| 83 | 20.094 | 2840 | 2844 | 2849 | rVB  | 1135159 | 1452812 | 100.00% | 8.369% |

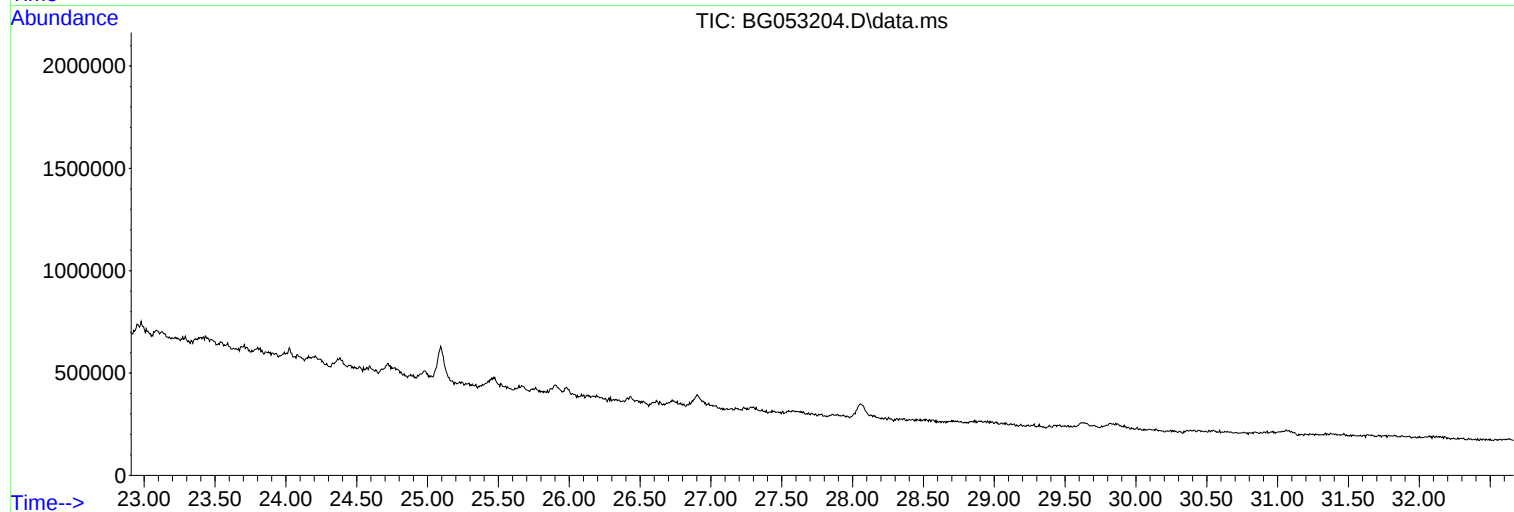
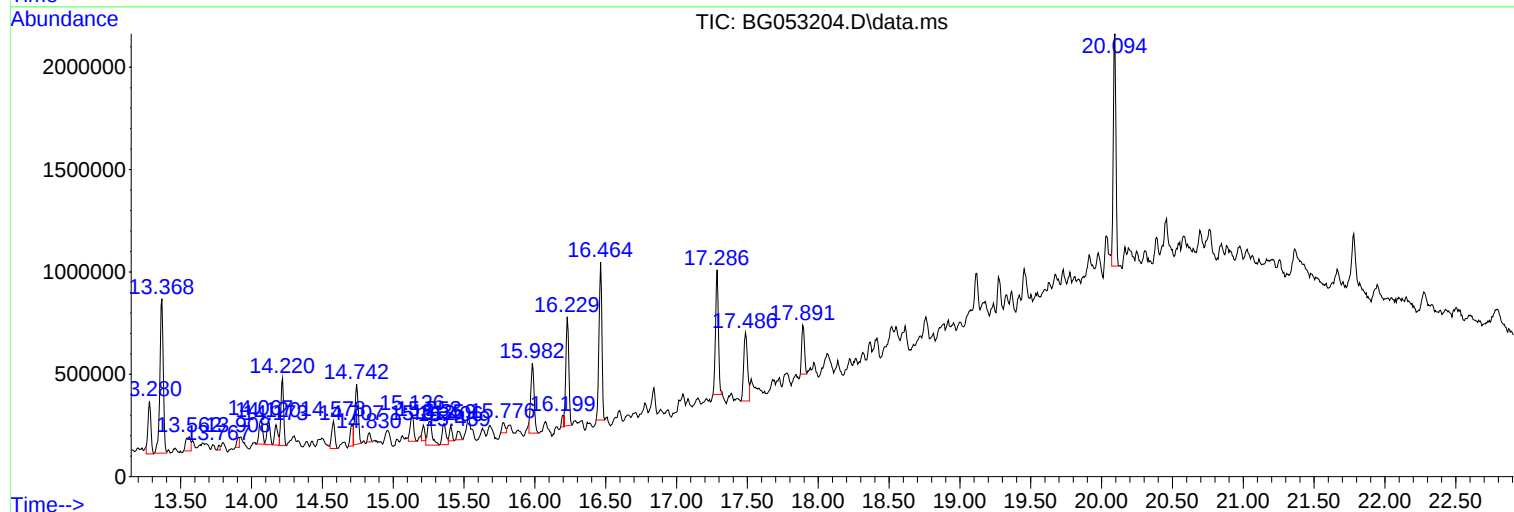
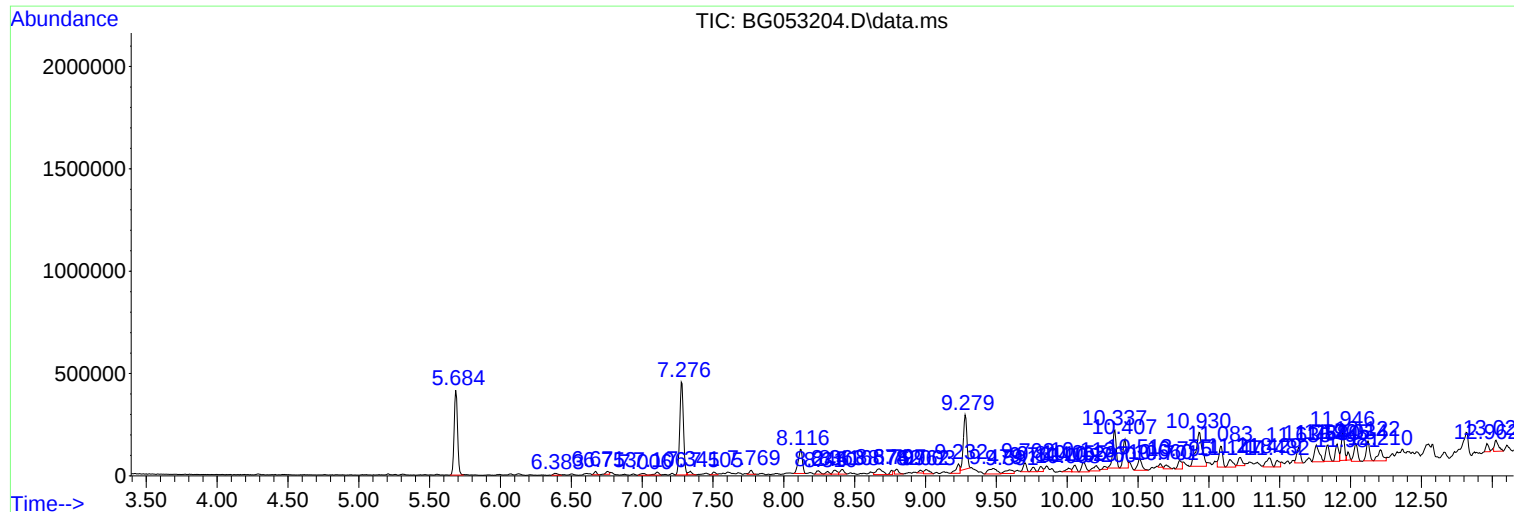
Sum of corrected areas: 17358864

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG041922\  
Data File : BG053204.D  
Acq On : 19 Apr 2022 20:33  
Operator : CG/JU  
Sample : N2452-05  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
WC-15-1-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG040822.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\_G\Data\BG041922\  
Data File : BG053204.D  
Acq On : 19 Apr 2022 20:33  
Operator : CG/JU  
Sample : N2452-05  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
WC-15-1-3

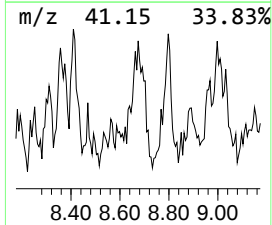
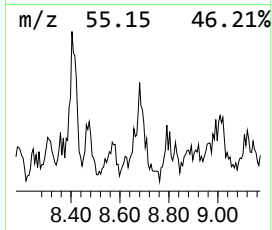
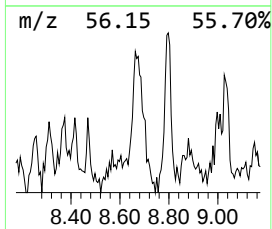
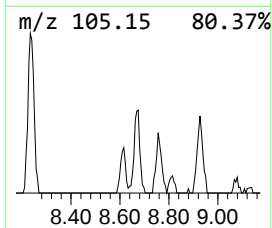
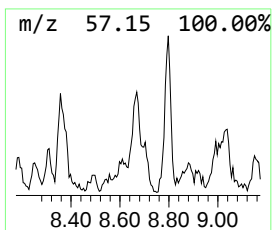
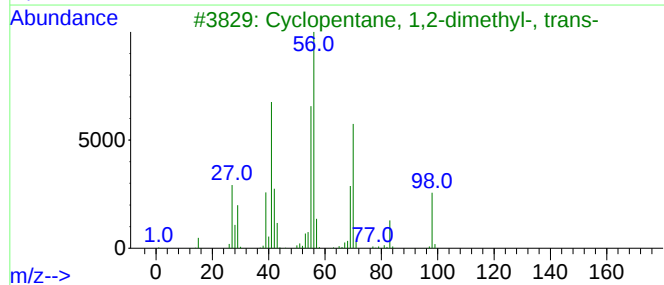
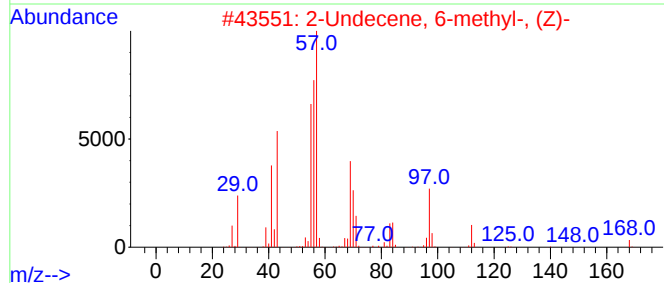
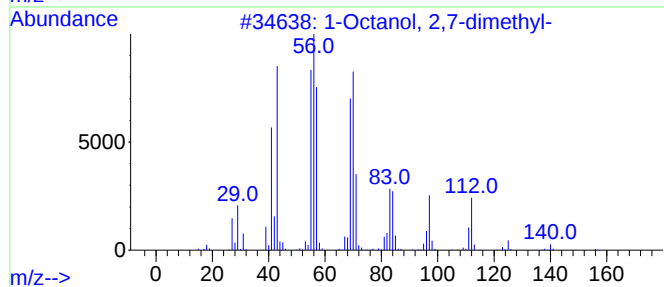
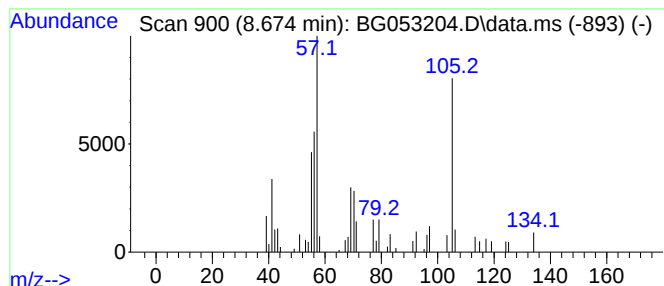
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG040822.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 unknown8.674 Concentration Rank 18

| R.T.  | EstConc | Area  | Relative to ISTD       | R.T.  |
|-------|---------|-------|------------------------|-------|
| 8.674 | 7.30 ng | 88026 | 1,4-Dichlorobenzene-d4 | 8.122 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 1-Octanol, 2,7-dimethyl-            | 158 | C10H22O | 015250-22-3 | 35   |
| 2    |    |   | 2-Undecene, 6-methyl-, (Z)-         | 168 | C12H24  | 074630-43-6 | 32   |
| 3    |    |   | Cyclopentane, 1,2-dimethyl-, trans- | 98  | C7H14   | 000822-50-4 | 27   |
| 4    |    |   | Cyclopropane, pentyl-               | 112 | C8H16   | 002511-91-3 | 27   |
| 5    |    |   | 1-Nonanol                           | 144 | C9H20O  | 000143-08-8 | 27   |



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Acq On : 19 Apr 2022 20:33  
Operator : CG/JU  
Sample : N2452-05  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
WC-15-1-3

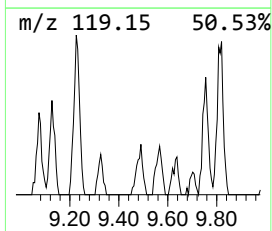
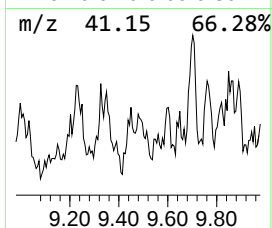
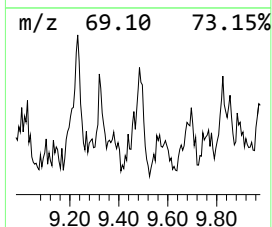
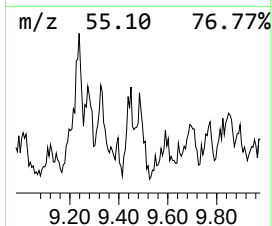
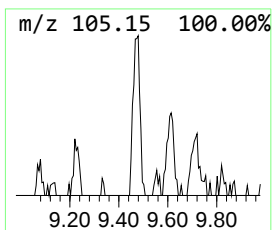
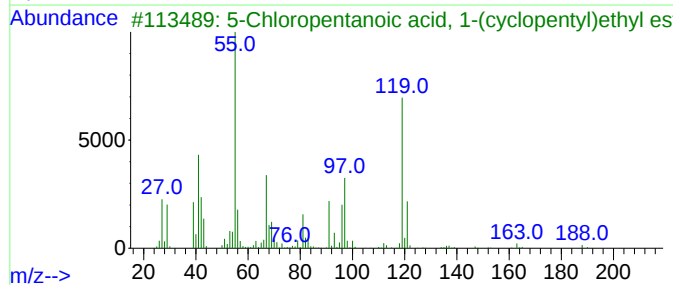
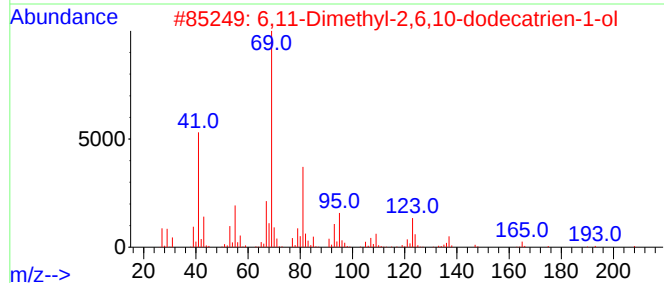
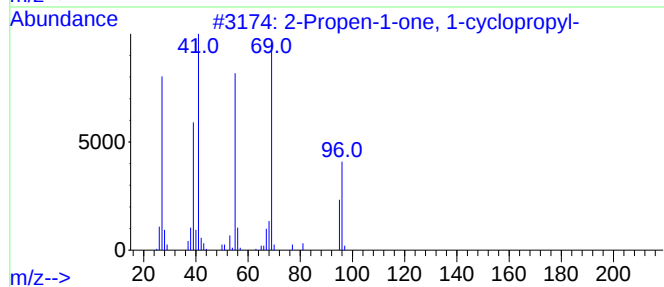
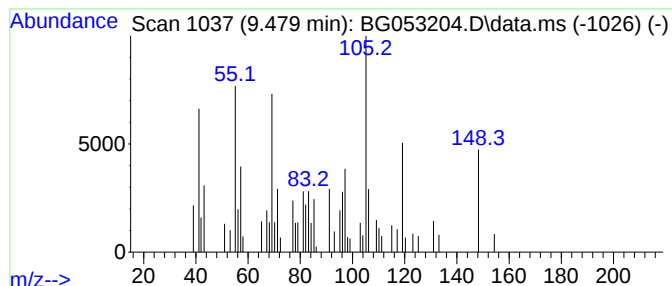
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG040822.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 2 unknown9.479 Concentration Rank 9

| R.T.  | EstConc | Area   | Relative to ISTD       | R.T.  |
|-------|---------|--------|------------------------|-------|
| 9.479 | 9.40 ng | 113338 | 1,4-Dichlorobenzene-d4 | 8.122 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|------|-------------------------------------|-----|------------|--------------|------|
| 1    |      | 2-Propen-1-one, 1-cyclopropyl-      | 96  | C6H8O      | 059819-62-4  | 27   |
| 2    |      | 6,11-Dimethyl-2,6,10-dodecatrien... | 208 | C14H24O    | 1000196-53-3 | 22   |
| 3    |      | 5-Chloropentanoic acid, 1-(cyclo... | 232 | C12H21ClO2 | 1000293-37-6 | 22   |
| 4    |      | Glutaric acid, 3-methylbut-2-en-... | 322 | C19H30O4   | 1000393-95-3 | 14   |
| 5    |      | Cyclopentane, hexyl-                | 154 | C11H22     | 004457-00-5  | 14   |



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Sample : N2452-05  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
WC-15-1-3

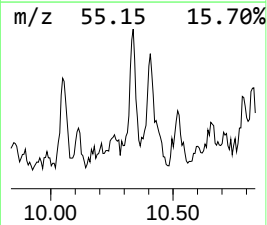
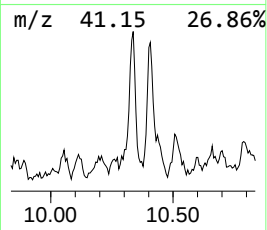
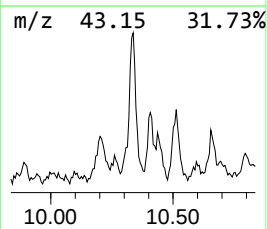
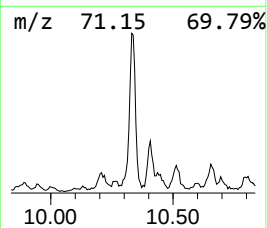
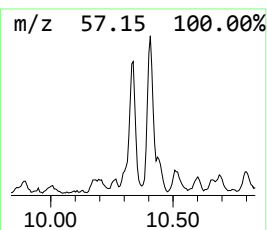
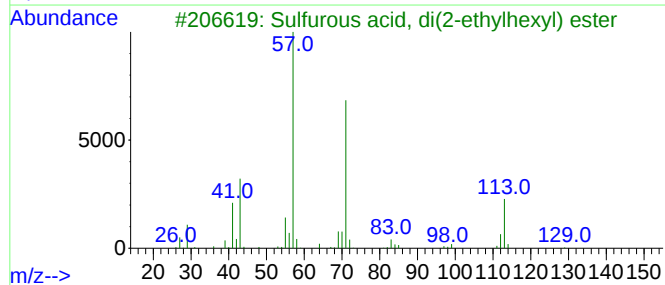
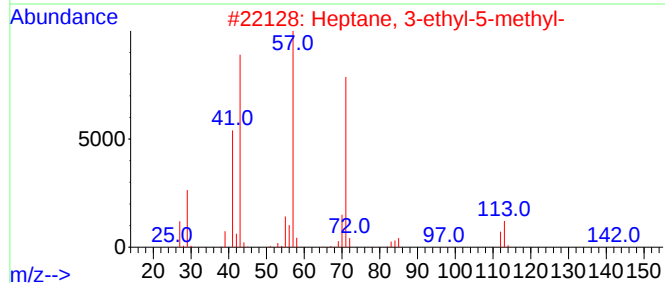
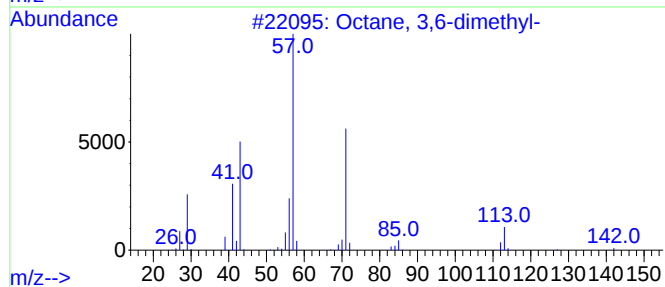
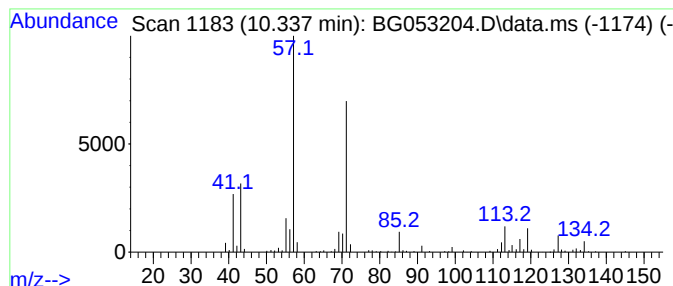
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 3 Octane, 3,6-dimethyl- Concentration Rank 6

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.   |
|--------|----------|--------|------------------|--------|
| 10.337 | 12.43 ng | 321314 | Naphthalene-d8   | 10.936 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Octane, 3,6-dimethyl-               | 142 | C10H22    | 015869-94-0  | 59   |
| 2    |    |   | Heptane, 3-ethyl-5-methyl-          | 142 | C10H22    | 052896-90-9  | 53   |
| 3    |    |   | Sulfurous acid, di(2-ethylhexyl)... | 306 | C16H34O3S | 1000309-19-1 | 53   |
| 4    |    |   | Sulfurous acid, 2-ethylhexyl iso... | 278 | C14H30O3S | 1000309-19-0 | 53   |
| 5    |    |   | Nonane, 3-methyl-                   | 142 | C10H22    | 005911-04-6  | 53   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG041922\  
Data File : BG053204.D  
Acq On : 19 Apr 2022 20:33  
Operator : CG/JU  
Sample : N2452-05  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
WC-15-1-3

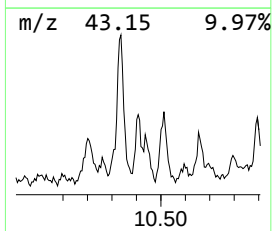
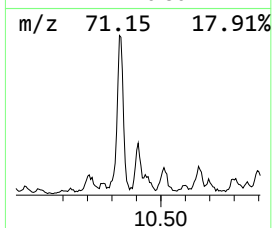
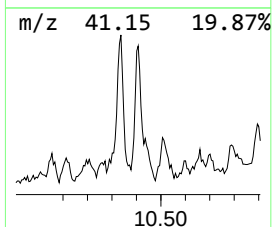
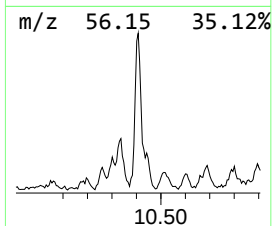
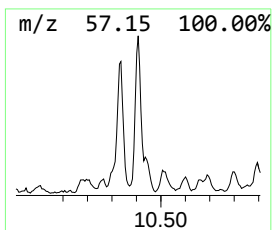
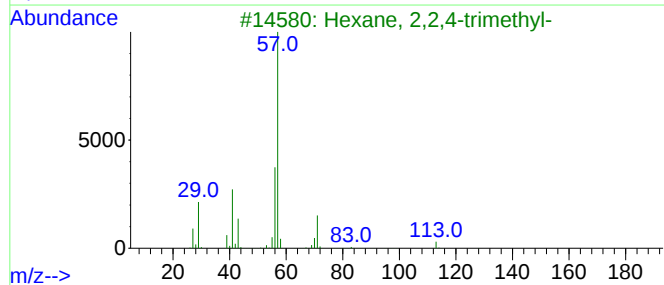
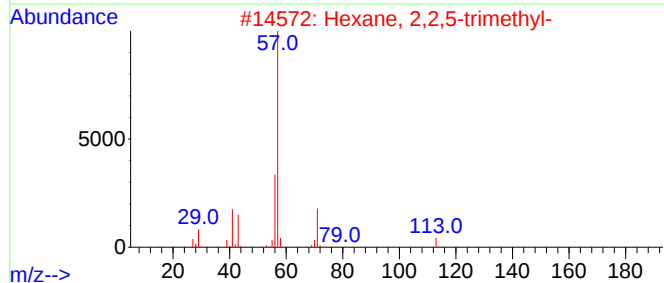
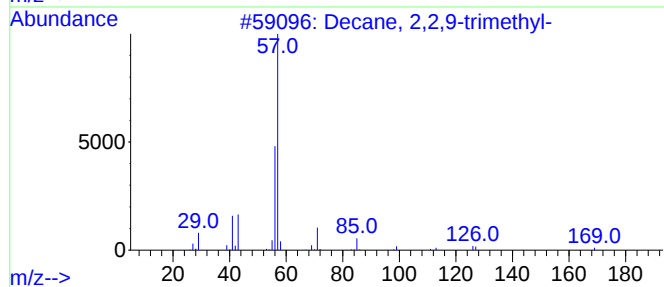
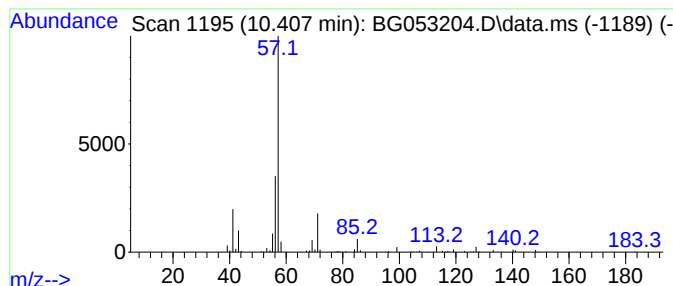
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 4 Decane, 2,2,9-trimethyl- Concentration Rank 11

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 10.407 | 9.12 ng | 235595 | Naphthalene-d8   | 10.936 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Decane, 2,2,9-trimethyl-   | 184 | C13H28  | 062238-00-0 | 64   |
| 2    |    |   | Hexane, 2,2,5-trimethyl-   | 128 | C9H20   | 003522-94-9 | 59   |
| 3    |    |   | Hexane, 2,2,4-trimethyl-   | 128 | C9H20   | 016747-26-5 | 59   |
| 4    |    |   | Tetradecane, 2,2-dimethyl- | 226 | C16H34  | 059222-86-5 | 59   |
| 5    |    |   | Decane, 2,2,8-trimethyl-   | 184 | C13H28  | 062238-01-1 | 59   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG041922\  
Data File : BG053204.D  
Acq On : 19 Apr 2022 20:33  
Operator : CG/JU  
Sample : N2452-05  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
WC-15-1-3

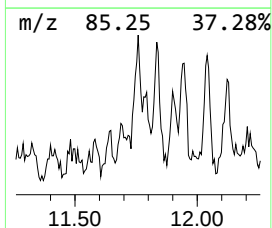
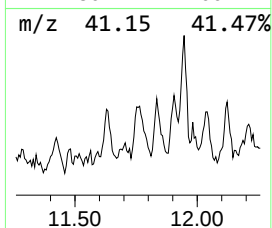
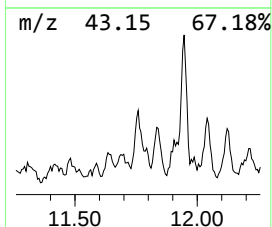
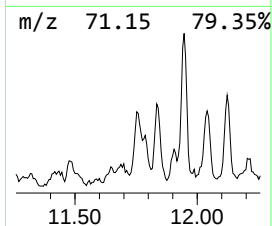
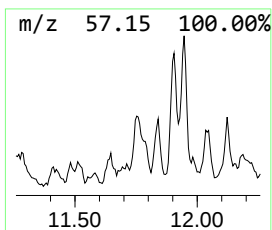
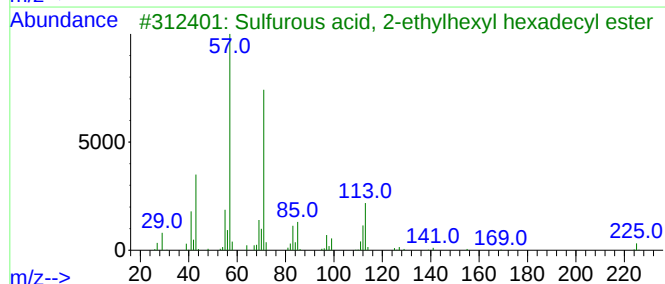
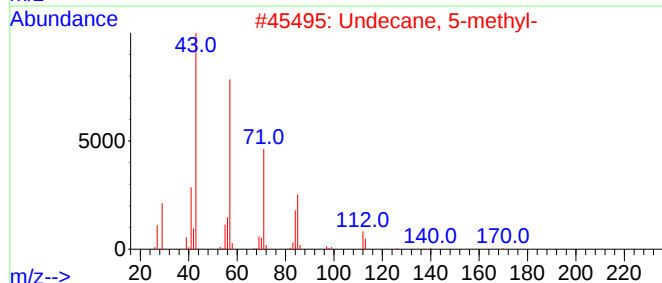
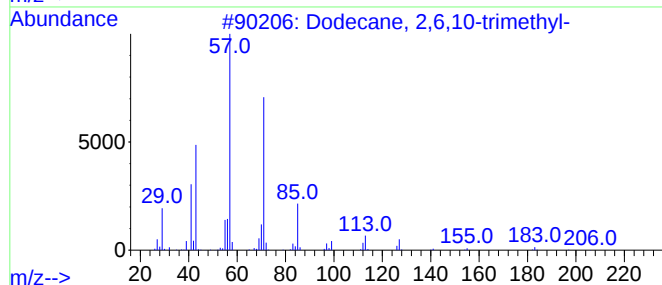
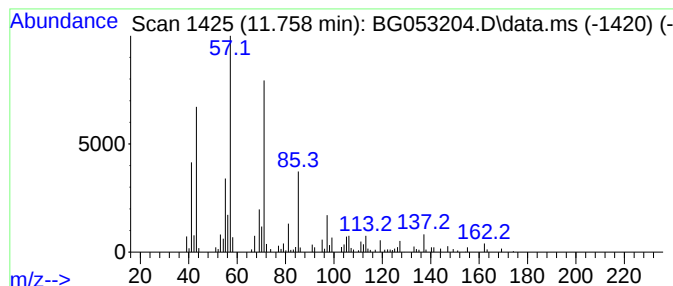
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 5 Dodecane, 2,6,10-trimethyl- Concentration Rank 16

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 11.758 | 7.63 ng | 197065 | Naphthalene-d8   | 10.936 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Dodecane, 2,6,10-trimethyl-         | 212 | C15H32    | 003891-98-3  | 72   |
| 2    |    |   | Undecane, 5-methyl-                 | 170 | C12H26    | 001632-70-8  | 59   |
| 3    |    |   | Sulfurous acid, 2-ethylhexyl hex... | 418 | C24H50O3S | 1000309-19-9 | 59   |
| 4    |    |   | Hexane, 3,3-dimethyl-               | 114 | C8H18     | 000563-16-6  | 59   |
| 5    |    |   | Sulfurous acid, 2-ethylhexyl eth... | 222 | C10H22O3S | 1000309-18-6 | 50   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG041922\  
Data File : BG053204.D  
Acq On : 19 Apr 2022 20:33  
Operator : CG/JU  
Sample : N2452-05  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
WC-15-1-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG040822.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

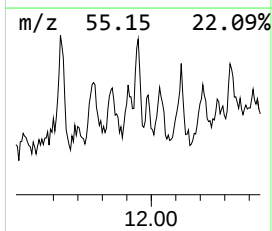
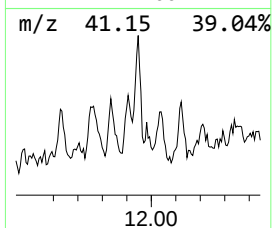
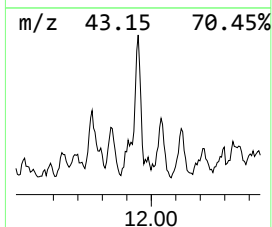
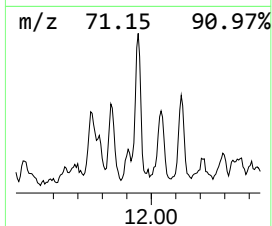
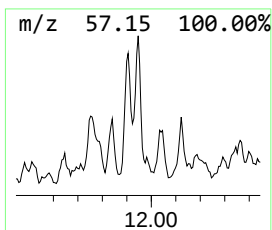
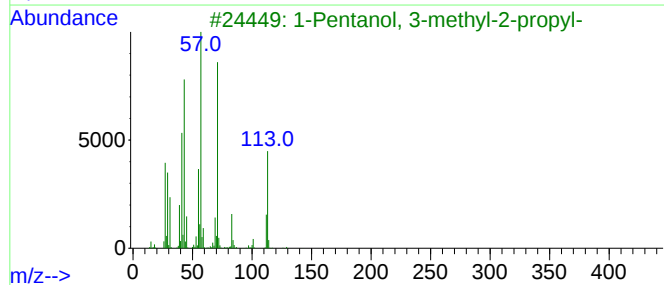
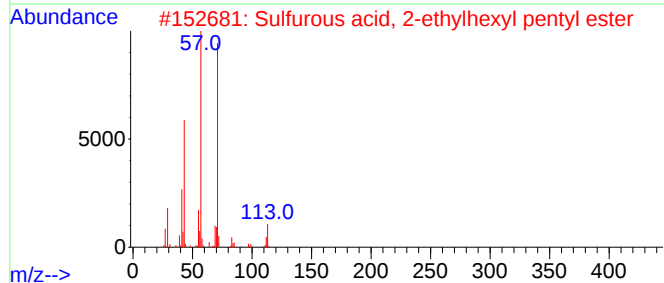
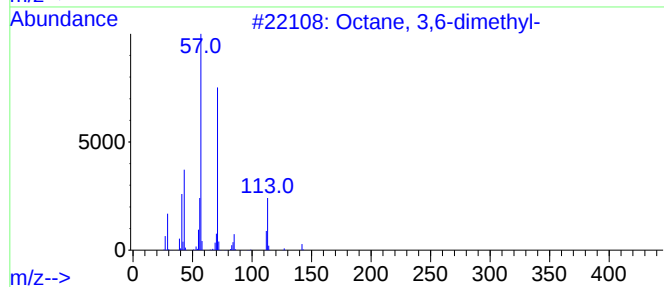
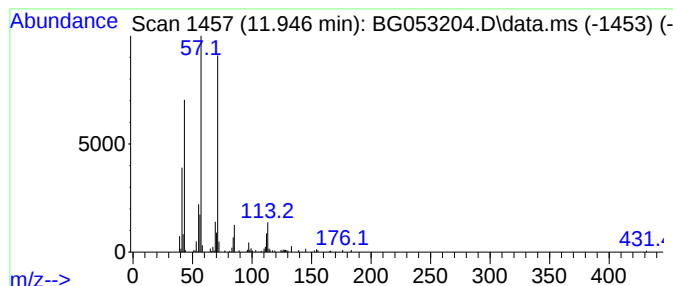
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Sulfurous acid, 2-ethylhexy... Concentration Rank 14

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 11.946 | 8.23 ng | 212704 | Naphthalene-d8   | 10.936 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Octane, 3,6-dimethyl-               | 142 | C10H22    | 015869-94-0  | 83   |
| 2    |    |   | Sulfurous acid, 2-ethylhexyl pen... | 264 | C13H28O3S | 1000309-18-9 | 80   |
| 3    |    |   | 1-Pentanol, 3-methyl-2-propyl-      | 144 | C9H20O    | 054004-40-9  | 72   |
| 4    |    |   | Heptadecane, 2,6-dimethyl-          | 268 | C19H40    | 054105-67-8  | 72   |
| 5    |    |   | Sulfurous acid, decyl 2-ethylhex... | 334 | C18H38O3S | 1000309-19-3 | 72   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG041922\  
Data File : BG053204.D  
Acq On : 19 Apr 2022 20:33  
Operator : CG/JU  
Sample : N2452-05  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
WC-15-1-3

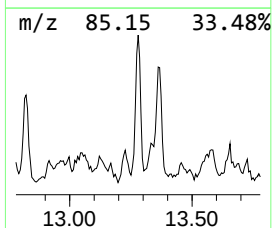
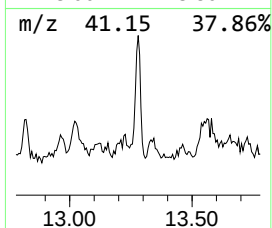
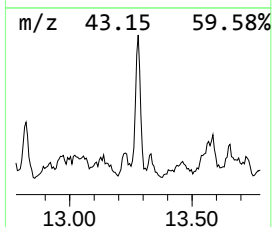
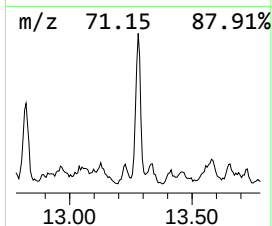
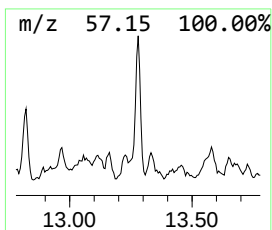
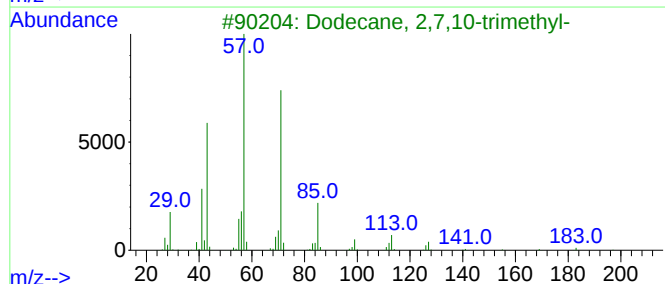
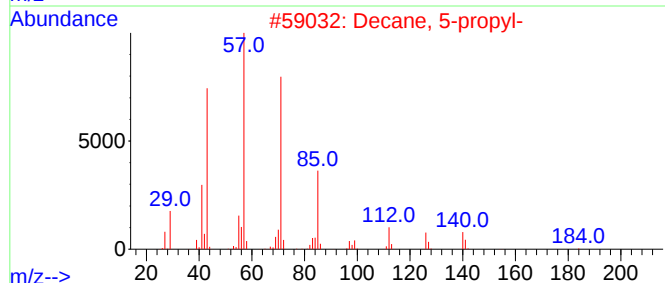
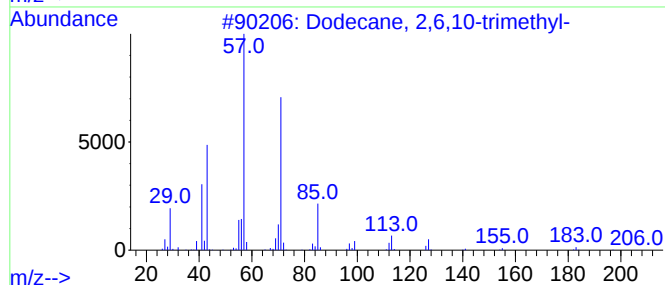
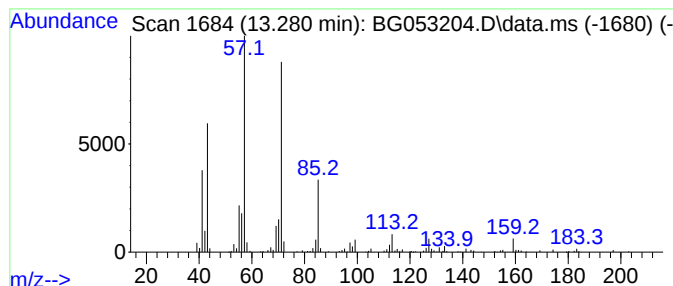
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 7 Decane, 5-propyl- Concentration Rank 5

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.   |
|--------|----------|--------|------------------|--------|
| 13.280 | 15.50 ng | 367880 | Acenaphthene-d10 | 14.742 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|------|-------------------------------------|-----|-----------|--------------|------|
| 1    |      | Dodecane, 2,6,10-trimethyl-         | 212 | C15H32    | 003891-98-3  | 90   |
| 2    |      | Decane, 5-propyl-                   | 184 | C13H28    | 017312-62-8  | 86   |
| 3    |      | Dodecane, 2,7,10-trimethyl-         | 212 | C15H32    | 074645-98-0  | 80   |
| 4    |      | Sulfurous acid, 2-ethylhexyl non... | 320 | C17H36O3S | 1010309-19-2 | 72   |
| 5    |      | Sulfurous acid, decyl 2-ethylhex... | 334 | C18H38O3S | 1000309-19-3 | 64   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG041922\  
Data File : BG053204.D  
Acq On : 19 Apr 2022 20:33  
Operator : CG/JU  
Sample : N2452-05  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
WC-15-1-3

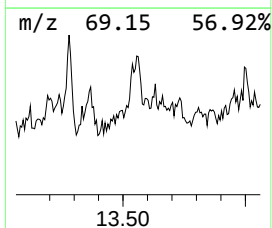
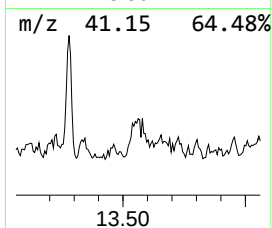
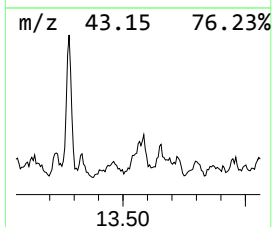
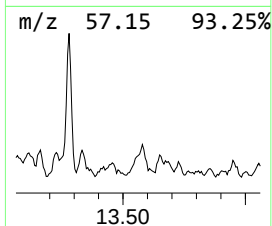
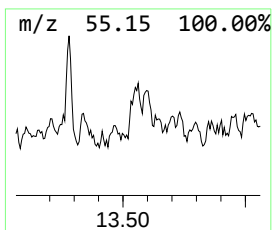
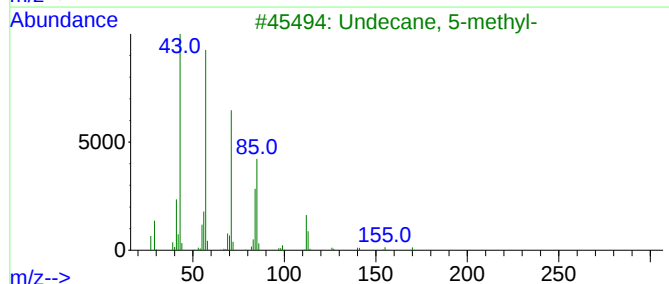
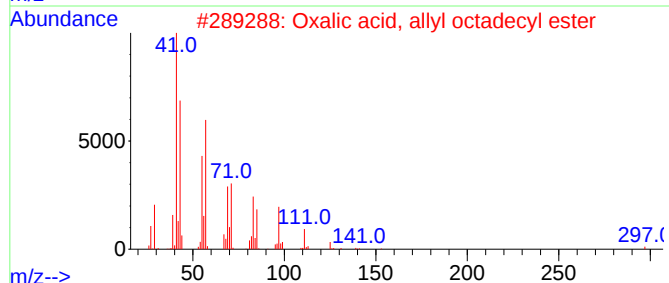
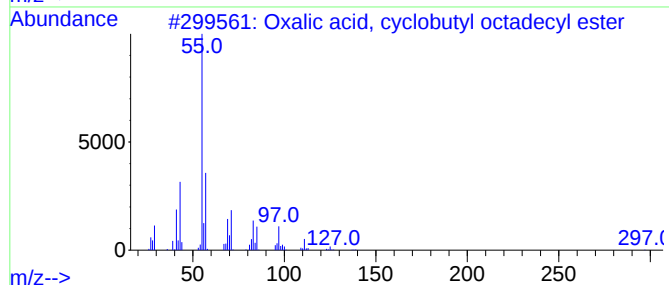
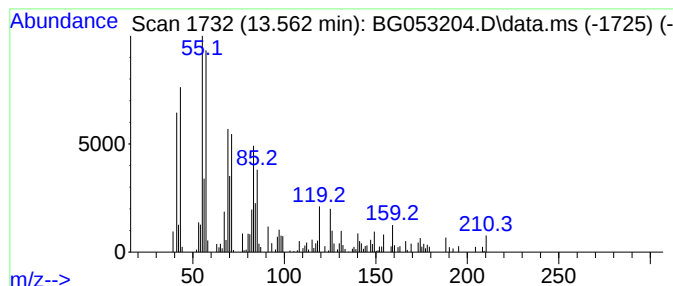
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 8 unknown13.562 Concentration Rank 20

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 13.562 | 6.88 ng | 163245 | Acenaphthene-d10 | 14.742 |

| Hit# | of | 5 | Tentative ID                         | MW  | MolForm  | CAS#         | Qual |
|------|----|---|--------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Oxalic acid, cyclobutyl octadecyl... | 396 | C24H44O4 | 1000309-70-8 | 47   |
| 2    |    |   | Oxalic acid, allyl octadecyl ester   | 382 | C23H42O4 | 1000309-24-5 | 47   |
| 3    |    |   | Undecane, 5-methyl-                  | 170 | C12H26   | 001632-70-8  | 35   |
| 4    |    |   | Undecane, 3-methyl-                  | 170 | C12H26   | 001002-43-3  | 27   |
| 5    |    |   | Decane, 3-bromo-                     | 220 | C10H21Br | 030571-71-2  | 27   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG041922\  
Data File : BG053204.D  
Acq On : 19 Apr 2022 20:33  
Operator : CG/JU  
Sample : N2452-05  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
WC-15-1-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG040822.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

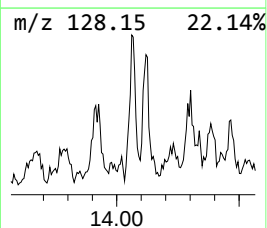
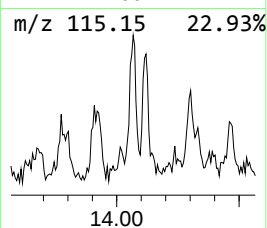
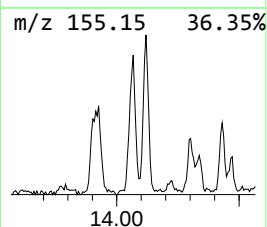
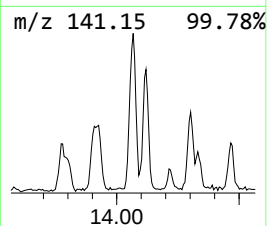
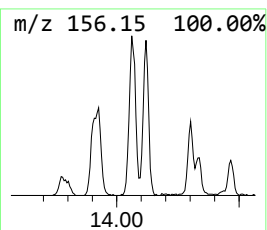
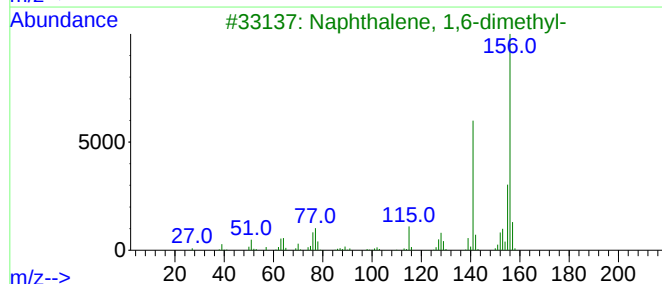
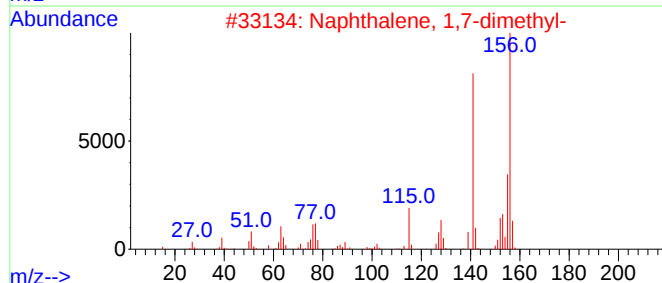
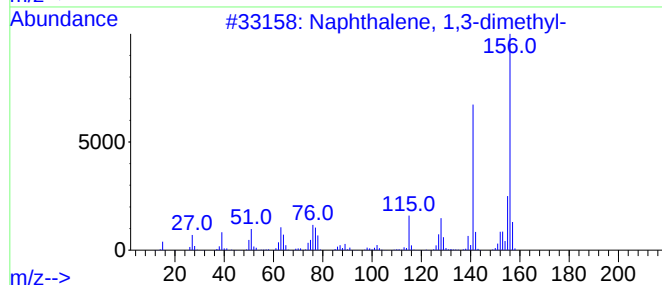
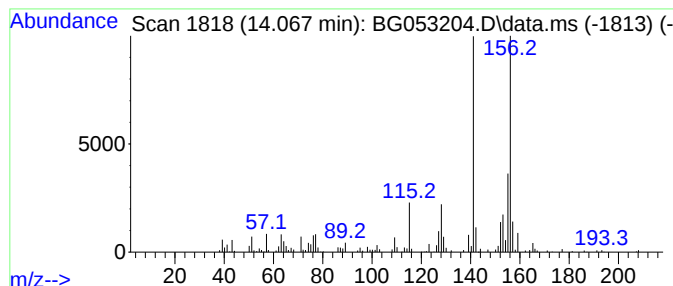
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TIC Integration Parameters: LSCINT.P

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Peak Number 9 Naphthalene, 1,3-dimethyl- Concentration Rank 12

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 14.067 | 8.66 ng | 205484 | Acenaphthene-d10 | 14.742 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 1,3-dimethyl- | 156 | C12H12  | 000575-41-7 | 95   |
| 2    |    |   | Naphthalene, 1,7-dimethyl- | 156 | C12H12  | 000575-37-1 | 94   |
| 3    |    |   | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 94   |
| 4    |    |   | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 93   |
| 5    |    |   | Naphthalene, 1,8-dimethyl- | 156 | C12H12  | 000569-41-5 | 93   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG041922\  
Data File : BG053204.D  
Acq On : 19 Apr 2022 20:33  
Operator : CG/JU  
Sample : N2452-05  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
WC-15-1-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG040822.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

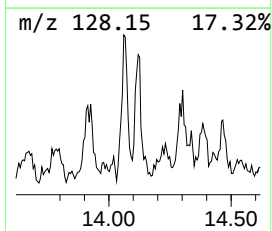
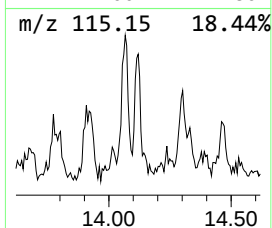
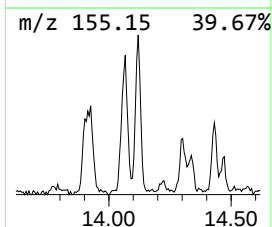
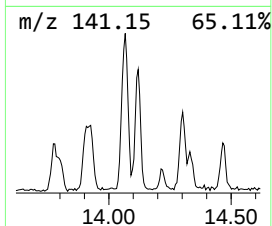
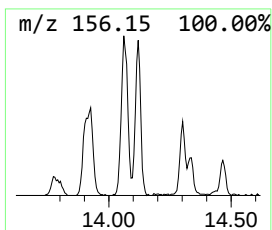
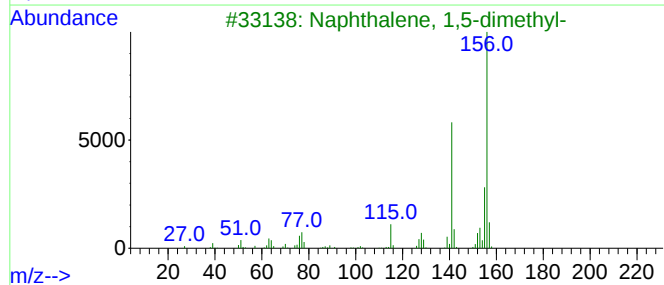
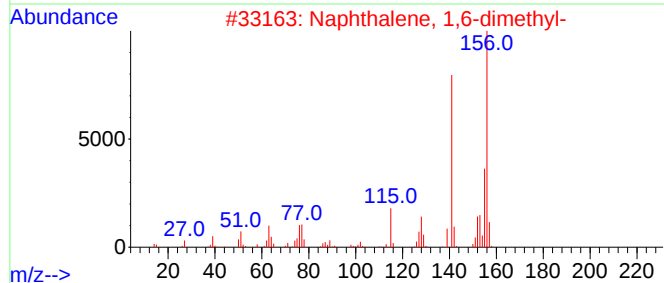
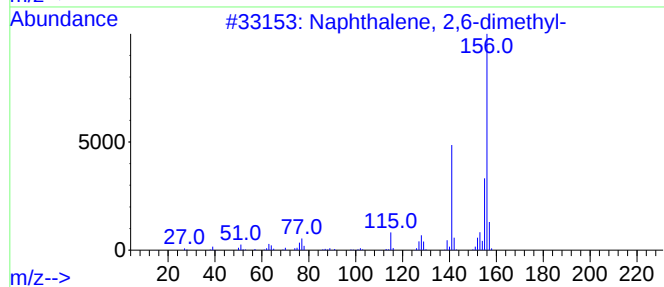
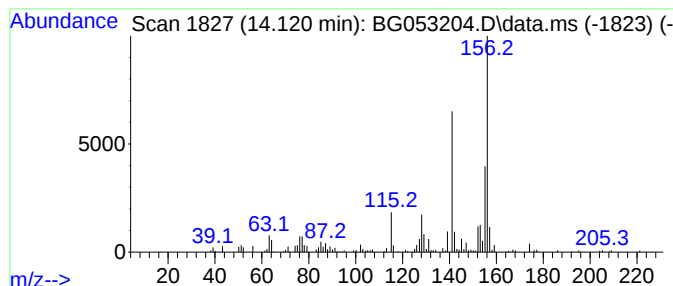
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TIC Integration Parameters: LSCINT.P

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Peak Number 10 Naphthalene, 2,6-dimethyl- Concentration Rank 17

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 14.120 | 7.40 ng | 175604 | Acenaphthene-d10 | 14.742 |

| Hit# | of 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|------|----------------------------|-----|---------|-------------|------|
| 1    |      | Naphthalene, 2,6-dimethyl- | 156 | C12H12  | 000581-42-0 | 95   |
| 2    |      | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 95   |
| 3    |      | Naphthalene, 1,5-dimethyl- | 156 | C12H12  | 000571-61-9 | 94   |
| 4    |      | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 94   |
| 5    |      | Naphthalene, 1,3-dimethyl- | 156 | C12H12  | 000575-41-7 | 93   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG041922\  
Data File : BG053204.D  
Acq On : 19 Apr 2022 20:33  
Operator : CG/JU  
Sample : N2452-05  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
WC-15-1-3

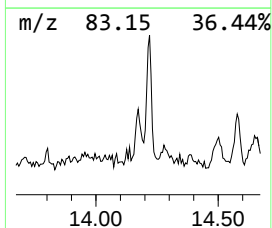
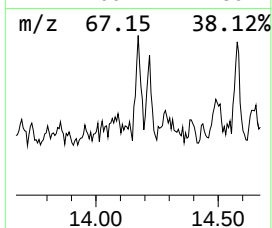
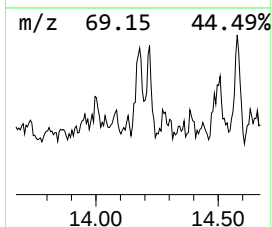
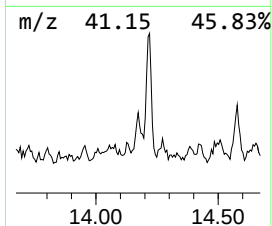
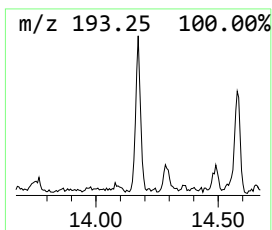
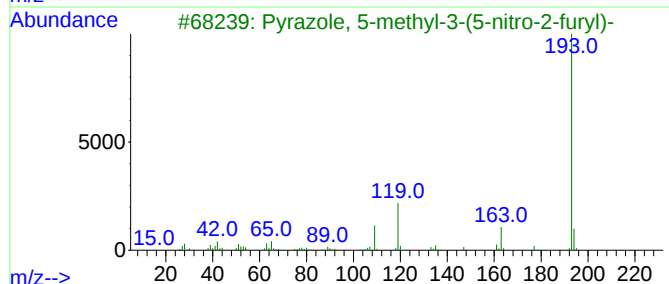
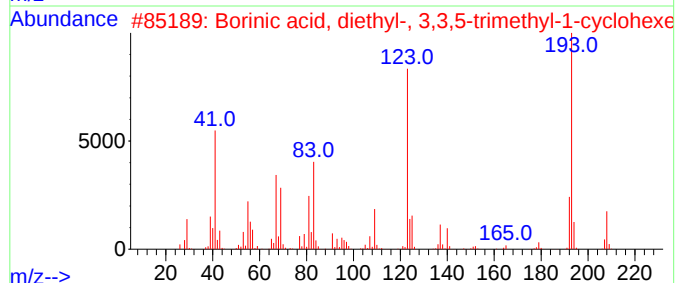
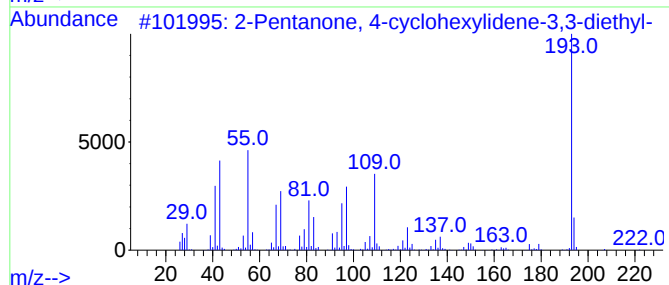
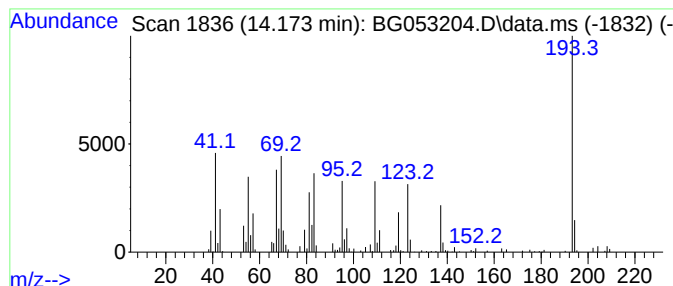
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 11 2-Pentanone, 4-cyclohexylidene-3,3-diethyl- Concentration Rank 19

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 14.172 | 6.91 ng | 163915 | Acenaphthene-d10 | 14.742 |

| Hit# | of | 5 | Tentative ID                                          | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-cyclohexylidene-3,3-diethyl-           | 222 | C15H26O  | 313253-65-5 | 50   |
| 2    |    |   | Borinic acid, diethyl-, 3,3,5-trimethyl-1-cyclohexyl- | 208 | C13H25BO | 057387-76-5 | 40   |
| 3    |    |   | Pyrazole, 5-methyl-3-(5-nitro-2-furyl)-               | 193 | C8H7N3O3 | 016239-90-0 | 35   |
| 4    |    |   | 2-Anthracenamine                                      | 193 | C14H11N  | 000613-13-8 | 30   |
| 5    |    |   | 9-Phenanthrenamine                                    | 193 | C14H11N  | 000947-73-9 | 30   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG041922\  
Data File : BG053204.D  
Acq On : 19 Apr 2022 20:33  
Operator : CG/JU  
Sample : N2452-05  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
WC-15-1-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG040822.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

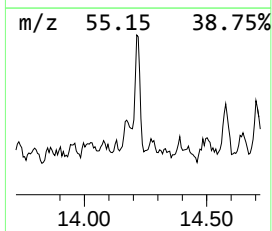
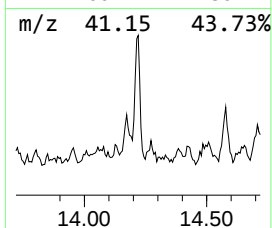
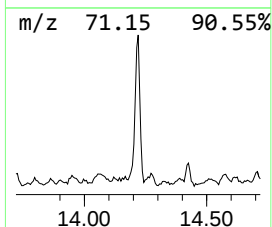
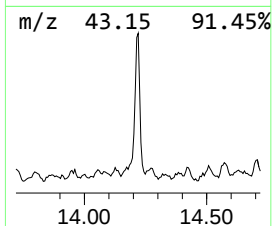
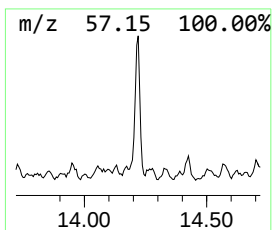
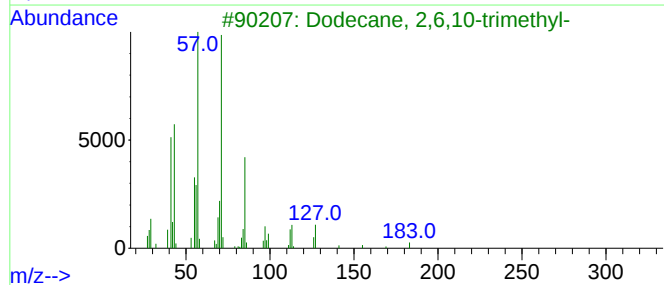
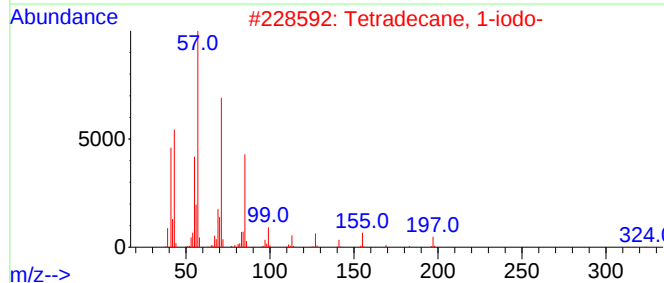
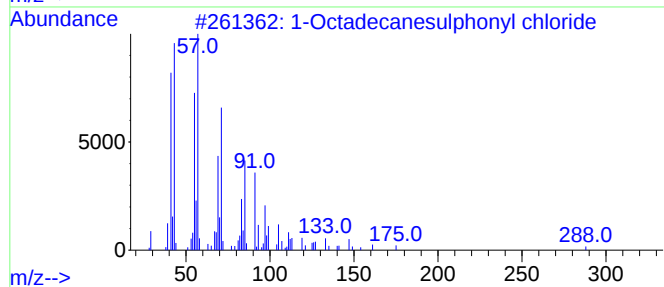
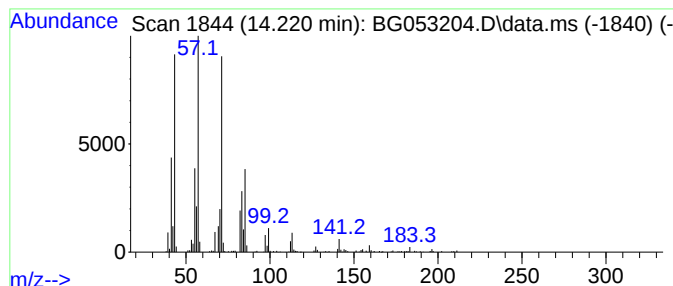
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TIC Integration Parameters: LSCINT.P

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Peak Number 12 1-Octadecanesulphonyl chloride Concentration Rank 4

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.   |
|--------|----------|--------|------------------|--------|
| 14.220 | 18.18 ng | 431523 | Acenaphthene-d10 | 14.742 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|------|-------------------------------------|-----|-------------|--------------|------|
| 1    |      | 1-Octadecanesulphonyl chloride      | 352 | C18H37ClO2S | 1000342-70-4 | 86   |
| 2    |      | Tetradecane, 1-iodo-                | 324 | C14H29I     | 019218-94-1  | 72   |
| 3    |      | Dodecane, 2,6,10-trimethyl-         | 212 | C15H32      | 003891-98-3  | 64   |
| 4    |      | Pentadecane, 7-methyl-              | 226 | C16H34      | 006165-40-8  | 59   |
| 5    |      | Heptadecane, 2,6,10,14-tetramethyl- | 296 | C21H44      | 018344-37-1  | 52   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG041922\  
Data File : BG053204.D  
Acq On : 19 Apr 2022 20:33  
Operator : CG/JU  
Sample : N2452-05  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
WC-15-1-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG040822.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

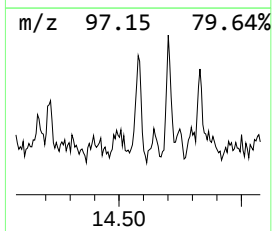
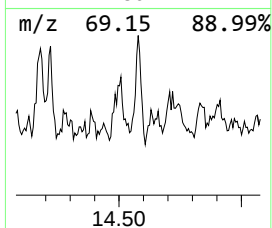
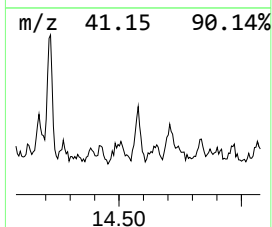
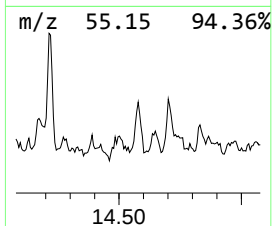
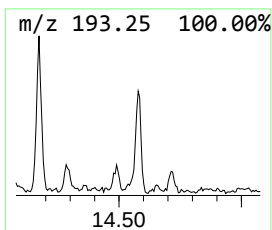
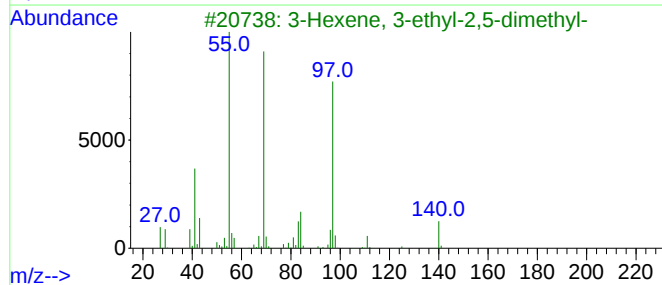
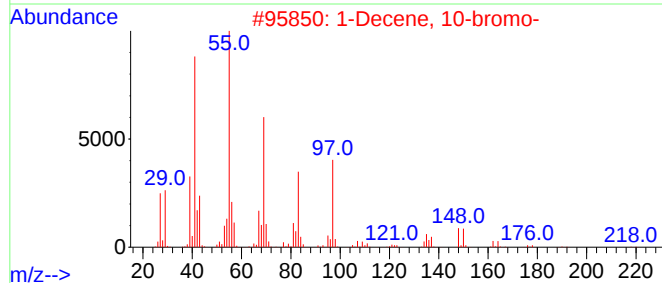
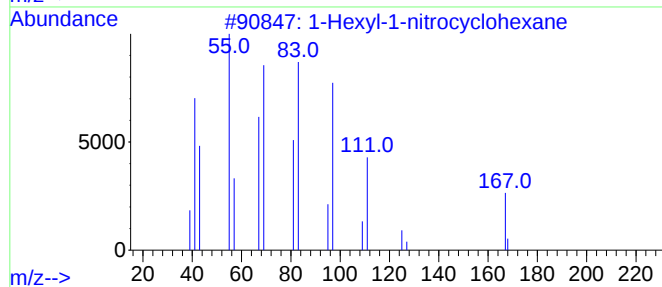
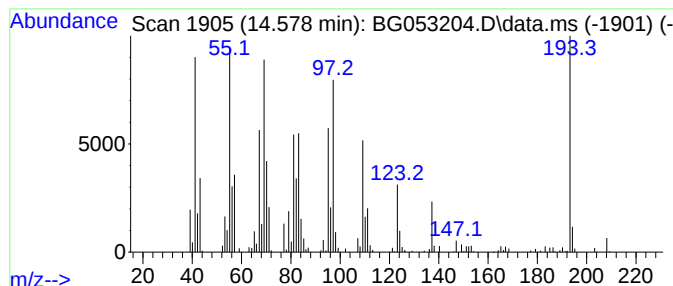
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TIC Integration Parameters: LSCINT.P

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Peak Number 13 unknown14.578 Concentration Rank 13

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 14.578 | 8.44 ng | 200350 | Acenaphthene-d10 | 14.742 |

| Hit# | of | 5 | Tentative ID                    | MW  | MolForm   | CAS#        | Qual |
|------|----|---|---------------------------------|-----|-----------|-------------|------|
| 1    |    |   | 1-Hexyl-1-nitrocyclohexane      | 213 | C12H23NO2 | 118252-09-8 | 35   |
| 2    |    |   | 1-Decene, 10-bromo-             | 218 | C10H19Br  | 062871-09-4 | 27   |
| 3    |    |   | 3-Hexene, 3-ethyl-2,5-dimethyl- | 140 | C10H20    | 062338-08-3 | 27   |
| 4    |    |   | 7-Tetradecanol                  | 214 | C14H30O   | 003981-79-1 | 22   |
| 5    |    |   | Hexadecanedinitrile             | 248 | C16H28N2  | 006812-44-8 | 14   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG041922\  
Data File : BG053204.D  
Acq On : 19 Apr 2022 20:33  
Operator : CG/JU  
Sample : N2452-05  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
WC-15-1-3

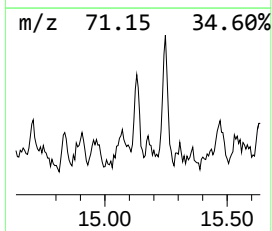
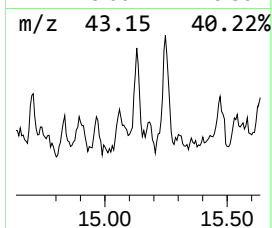
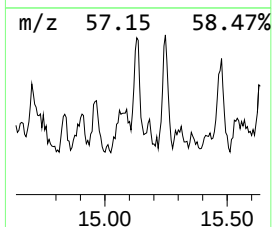
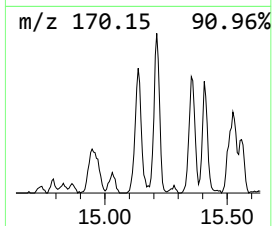
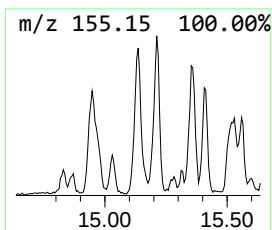
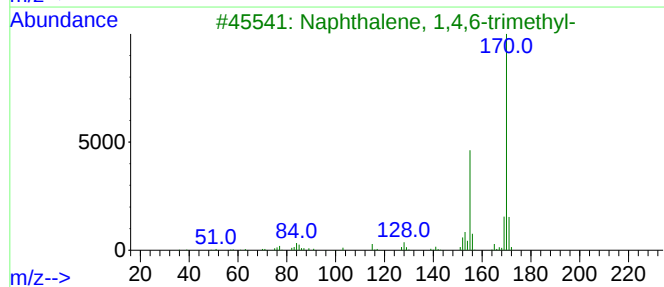
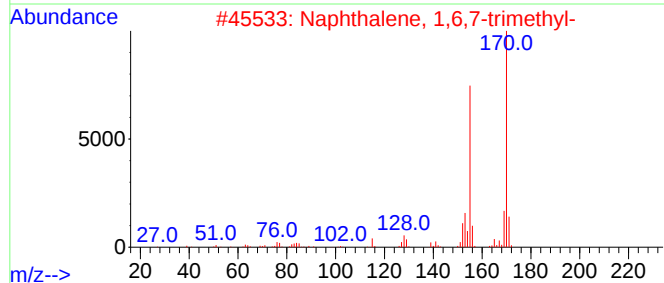
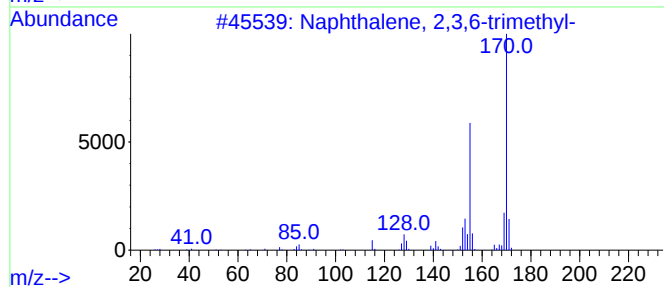
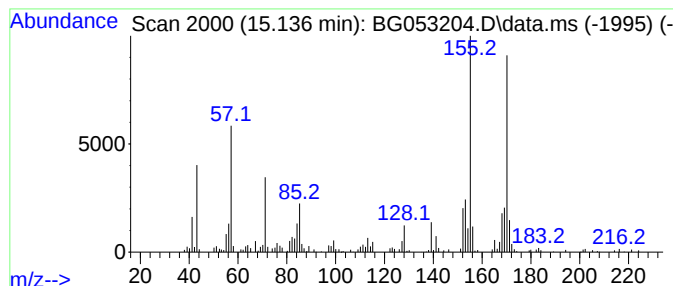
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 14 Naphthalene, 2,3,6-trimethyl- Concentration Rank 10

| R.T.      | EstConc                         | Area   | Relative to ISTD | R.T.         |      |
|-----------|---------------------------------|--------|------------------|--------------|------|
| 15.136    | 9.21 ng                         | 218604 | Acenaphthene-d10 | 14.742       |      |
| Hit# of 5 | Tentative ID                    | MW     | MolForm          | CAS#         | Qual |
| 1         | Naphthalene, 2,3,6-trimethyl-   | 170    | C13H14           | 000829-26-5  | 95   |
| 2         | Naphthalene, 1,6,7-trimethyl-   | 170    | C13H14           | 002245-38-7  | 91   |
| 3         | Naphthalene, 1,4,6-trimethyl-   | 170    | C13H14           | 002131-42-2  | 87   |
| 4         | 3-(2-Methyl-propenyl)-1H-indene | 170    | C13H14           | 1000187-78-5 | 81   |
| 5         | Naphthalene, 1,4,5-trimethyl-   | 170    | C13H14           | 002131-41-1  | 76   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG041922\  
Data File : BG053204.D  
Acq On : 19 Apr 2022 20:33  
Operator : CG/JU  
Sample : N2452-05  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
WC-15-1-3

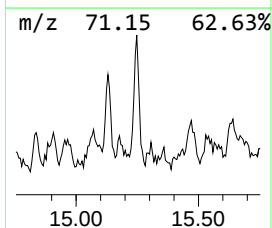
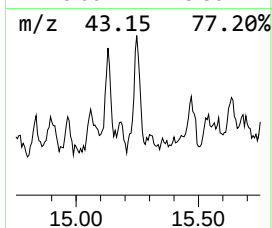
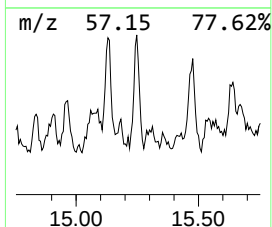
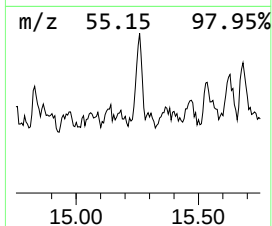
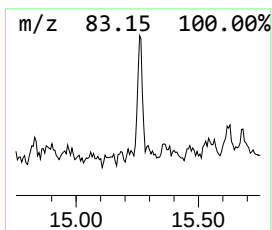
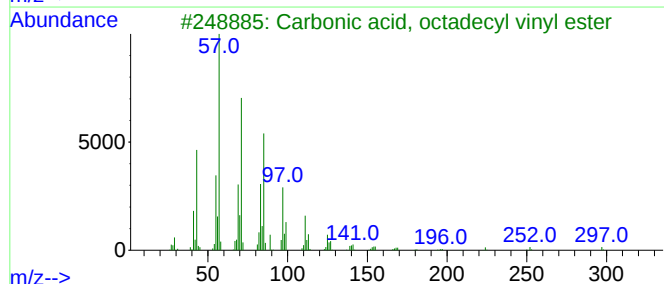
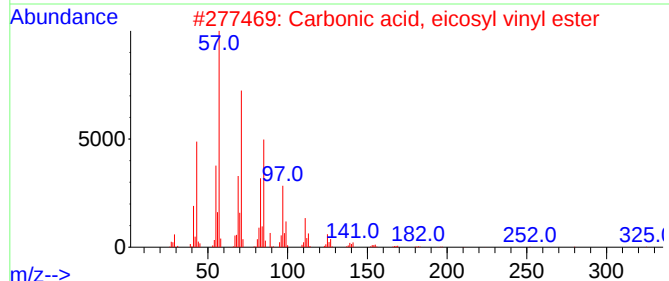
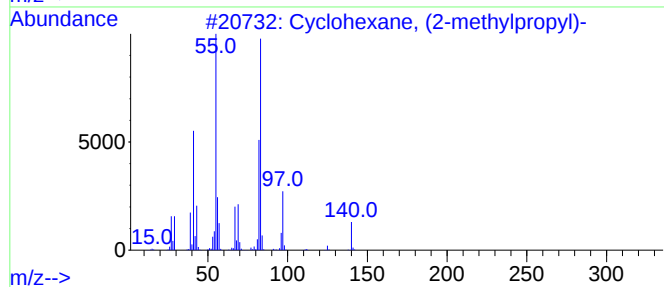
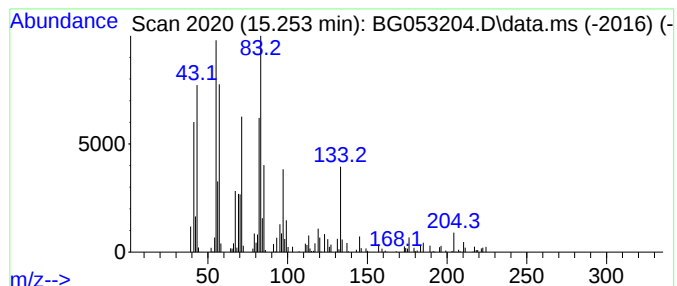
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 15 unknown15.253 Concentration Rank 7

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.   |
|--------|----------|--------|------------------|--------|
| 15.253 | 11.35 ng | 269350 | Acenaphthene-d10 | 14.742 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Cyclohexane, (2-methylpropyl)-      | 140 | C10H20   | 001678-98-4  | 38   |
| 2    |    |   | Carbonic acid, eicosyl vinyl ester  | 368 | C23H44O3 | 1000382-54-3 | 30   |
| 3    |    |   | Carbonic acid, octadecyl vinyl e... | 340 | C21H40O3 | 1000382-54-4 | 30   |
| 4    |    |   | Cetene                              | 224 | C16H32   | 000629-73-2  | 25   |
| 5    |    |   | Cyclopentane, 1-methyl-3-(1-meth... | 126 | C9H18    | 053771-88-3  | 25   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG041922\  
Data File : BG053204.D  
Acq On : 19 Apr 2022 20:33  
Operator : CG/JU  
Sample : N2452-05  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
WC-15-1-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG040822.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

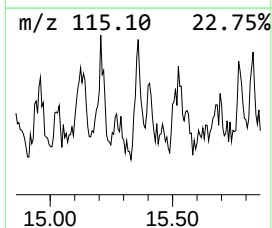
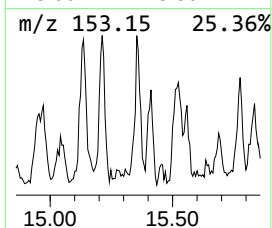
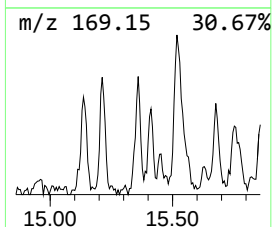
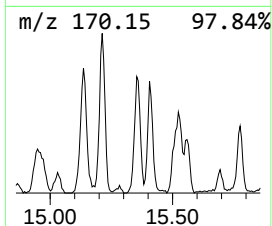
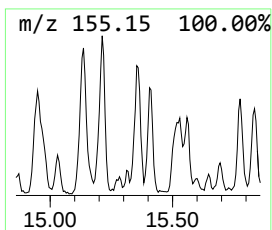
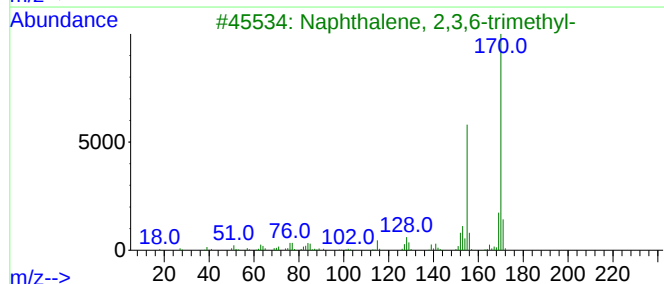
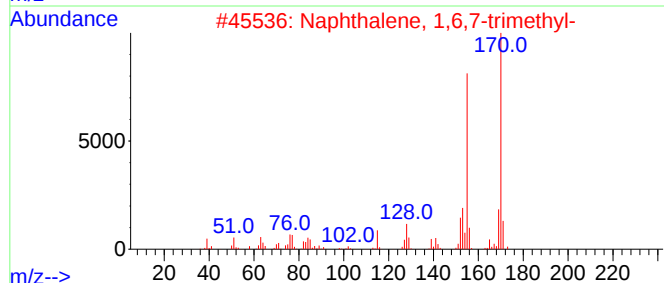
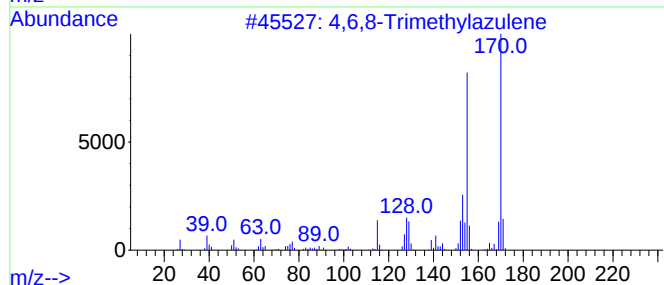
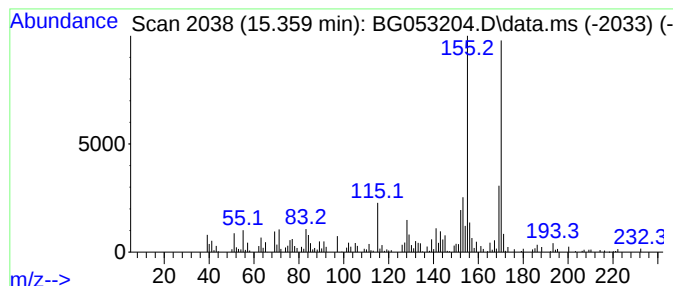
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Peak Number 16 4,6,8-Trimethylazulene Concentration Rank 15

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 15.359 | 8.20 ng | 194531 | Acenaphthene-d10 | 14.742 |

| Hit# | of 5 | Tentative ID                  | MW  | MolForm  | CAS#         | Qual |
|------|------|-------------------------------|-----|----------|--------------|------|
| 1    |      | 4,6,8-Trimethylazulene        | 170 | C13H14   | 000941-81-1  | 93   |
| 2    |      | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14   | 002245-38-7  | 93   |
| 3    |      | Naphthalene, 2,3,6-trimethyl- | 170 | C13H14   | 000829-26-5  | 91   |
| 4    |      | Naphthalene, 1,4,6-trimethyl- | 170 | C13H14   | 002131-42-2  | 90   |
| 5    |      | 2-Naphthylpropionic acid      | 200 | C13H12O2 | 1000129-24-1 | 55   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG041922\  
Data File : BG053204.D  
Acq On : 19 Apr 2022 20:33  
Operator : CG/JU  
Sample : N2452-05  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
WC-15-1-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG040822.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

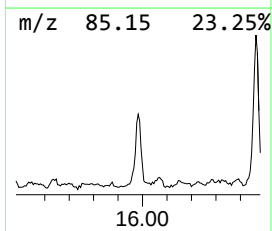
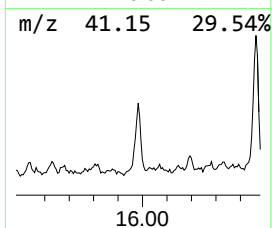
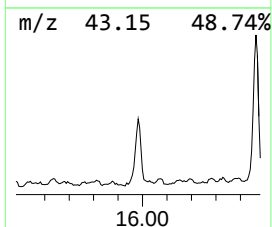
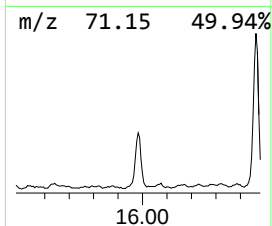
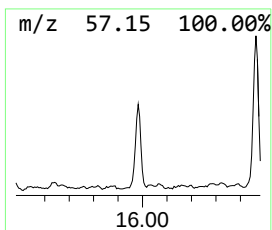
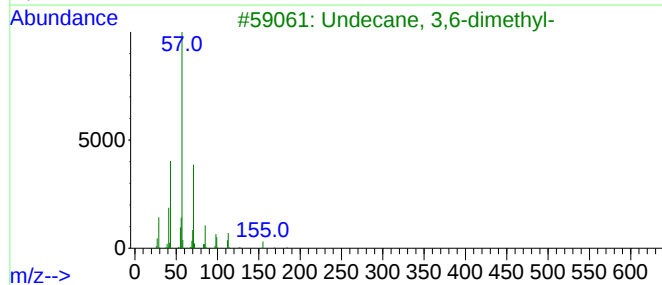
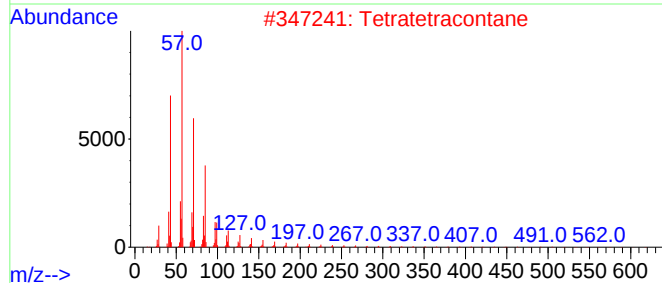
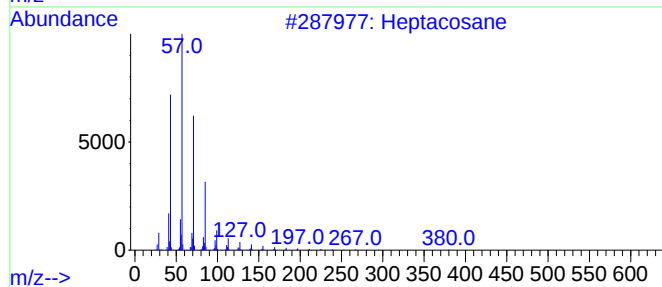
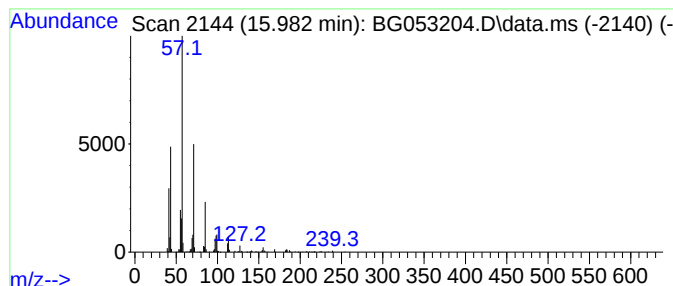
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 17 Heptacosane Concentration Rank 3

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.   |
|--------|----------|--------|------------------|--------|
| 15.982 | 23.18 ng | 549996 | Acenaphthene-d10 | 14.742 |

| Hit# | of 5 | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|------|------------------------------------|-----|---------|-------------|------|
| 1    |      | Heptacosane                        | 380 | C27H56  | 000593-49-7 | 86   |
| 2    |      | Tetratetracontane                  | 619 | C44H90  | 007098-22-8 | 72   |
| 3    |      | Undecane, 3,6-dimethyl-            | 184 | C13H28  | 017301-28-9 | 72   |
| 4    |      | Hexadecane, 2,6,10,14-tetramethyl- | 282 | C20H42  | 000638-36-8 | 72   |
| 5    |      | Heptane, 3-ethyl-5-methyl-         | 142 | C10H22  | 052896-90-9 | 55   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG041922\  
Data File : BG053204.D  
Acq On : 19 Apr 2022 20:33  
Operator : CG/JU  
Sample : N2452-05  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

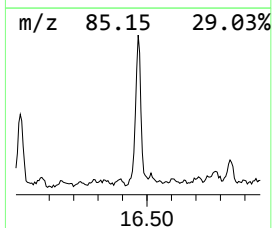
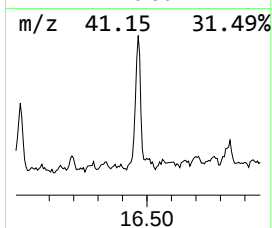
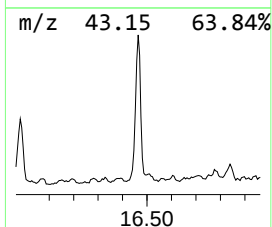
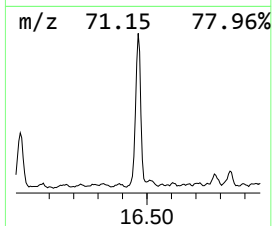
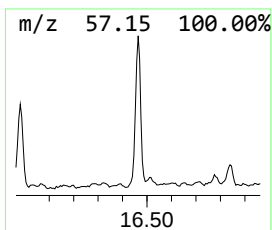
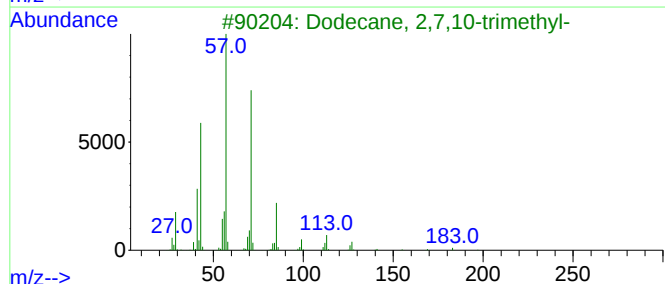
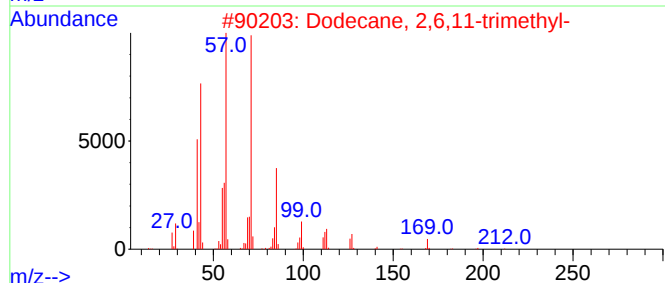
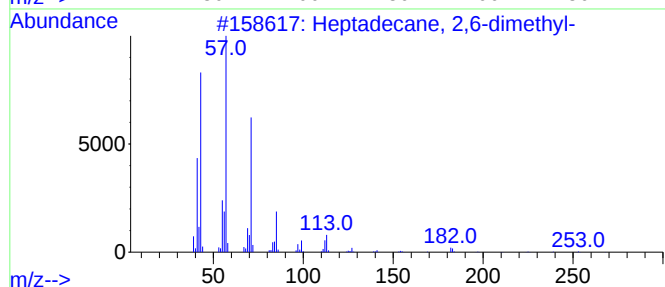
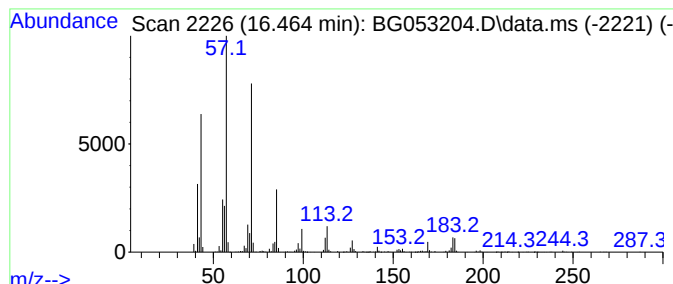
Instrument :  
BNA\_G  
ClientSampleId :  
WC-15-1-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG040822.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 18 Heptadecane, 2,6-dimethyl- Concentration Rank 1

| R.T.      | EstConc                     | Area    | Relative to ISTD |         |             | R.T.   |
|-----------|-----------------------------|---------|------------------|---------|-------------|--------|
| 16.464    | 34.15 ng                    | 1088910 | Phenanthrene-d10 |         |             | 17.486 |
| Hit# of 5 | Tentative ID                |         | MW               | MolForm | CAS#        | Qual   |
| 1         | Heptadecane, 2,6-dimethyl-  |         | 268              | C19H40  | 054105-67-8 | 91     |
| 2         | Dodecane, 2,6,11-trimethyl- |         | 212              | C15H32  | 031295-56-4 | 90     |
| 3         | Dodecane, 2,7,10-trimethyl- |         | 212              | C15H32  | 074645-98-0 | 80     |
| 4         | Undecane, 2-methyl-         |         | 170              | C12H26  | 007045-71-8 | 80     |
| 5         | Tridecane                   |         | 184              | C13H28  | 000629-50-5 | 72     |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG041922\  
Data File : BG053204.D  
Acq On : 19 Apr 2022 20:33  
Operator : CG/JU  
Sample : N2452-05  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
WC-15-1-3

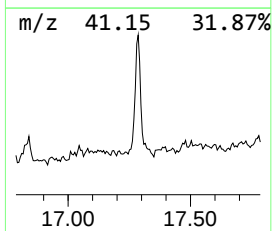
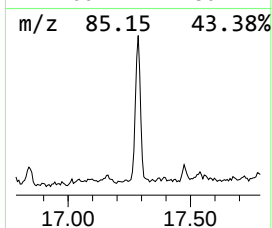
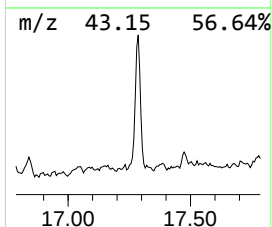
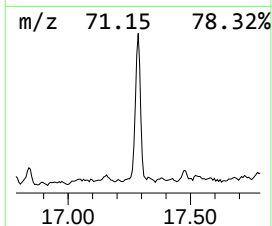
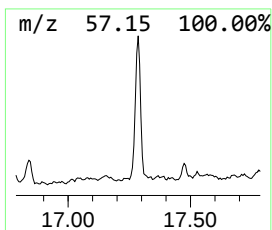
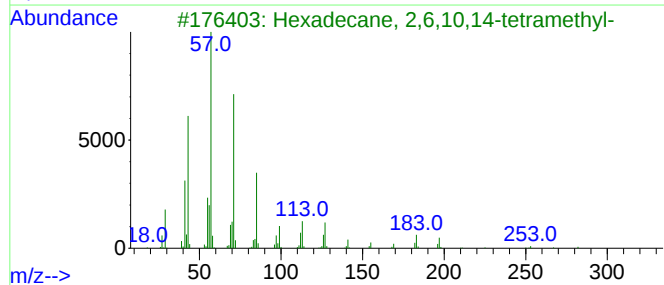
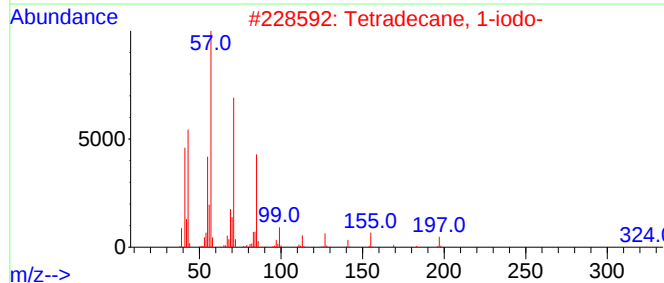
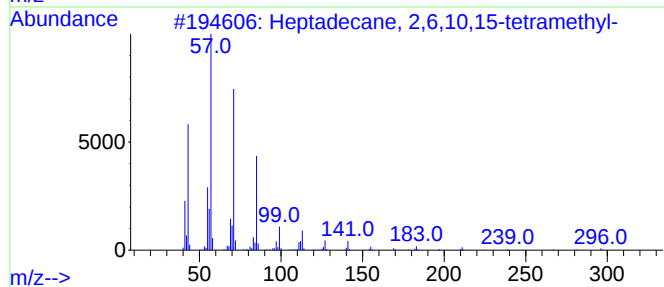
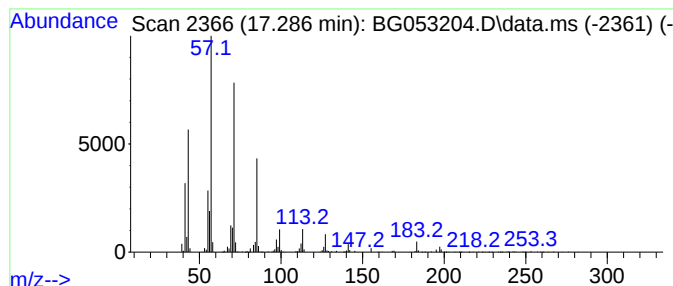
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 19 Heptadecane, 2,6,10,15-tetr... Concentration Rank 2

| R.T.      | EstConc                             | Area   | Relative to ISTD |         |             | R.T.   |
|-----------|-------------------------------------|--------|------------------|---------|-------------|--------|
| 17.286    | 27.15 ng                            | 865778 | Phenanthrene-d10 |         |             | 17.486 |
| Hit# of 5 | Tentative ID                        |        | MW               | MolForm | CAS#        | Qual   |
| 1         | Heptadecane, 2,6,10,15-tetramethyl- |        | 296              | C21H44  | 054833-48-6 | 91     |
| 2         | Tetradecane, 1-iodo-                |        | 324              | C14H29I | 019218-94-1 | 90     |
| 3         | Hexadecane, 2,6,10,14-tetramethyl-  |        | 282              | C20H42  | 000638-36-8 | 86     |
| 4         | Tetracosane                         |        | 338              | C24H50  | 000646-31-1 | 86     |
| 5         | Dodecane, 2,7,10-trimethyl-         |        | 212              | C15H32  | 074645-98-0 | 83     |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG041922\  
Data File : BG053204.D  
Acq On : 19 Apr 2022 20:33  
Operator : CG/JU  
Sample : N2452-05  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
WC-15-1-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG040822.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

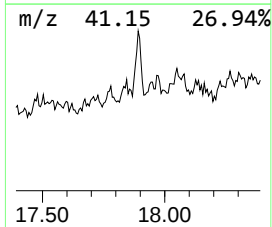
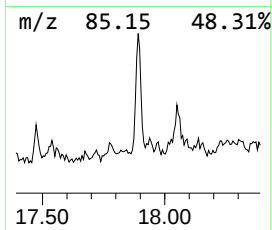
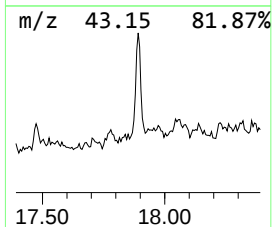
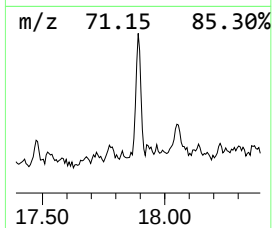
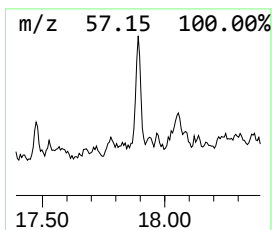
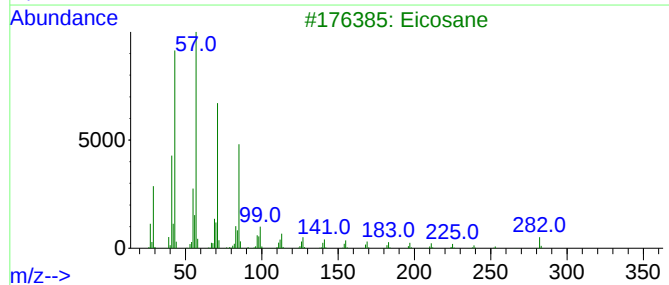
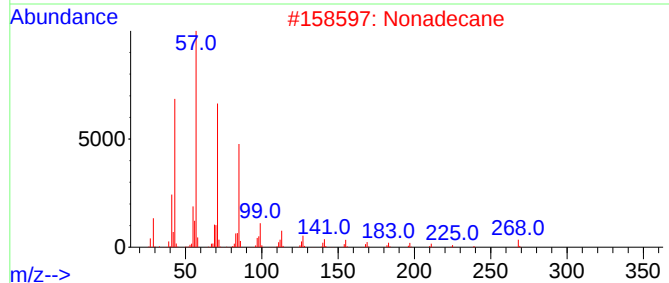
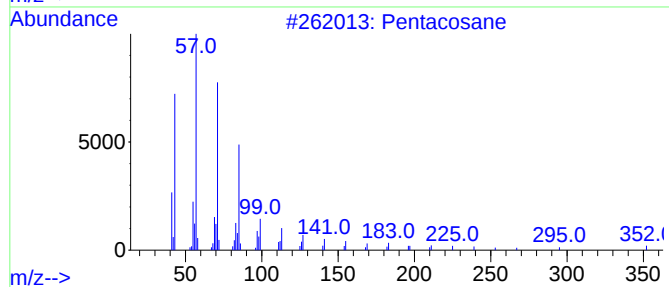
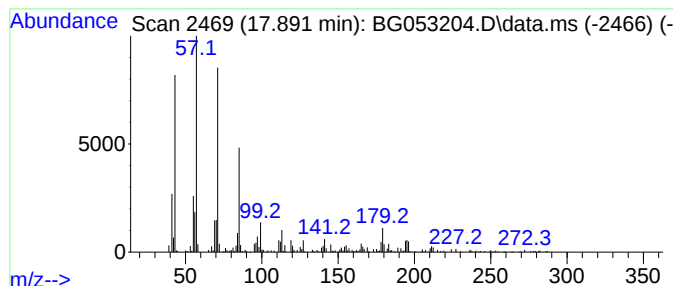
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 20 Pentacosane Concentration Rank 8

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.   |
|--------|----------|--------|------------------|--------|
| 17.891 | 10.21 ng | 325599 | Phenanthrene-d10 | 17.486 |

| Hit# | of 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|------|--------------|-----|---------|-------------|------|
| 1    |      | Pentacosane  | 352 | C25H52  | 000629-99-2 | 83   |
| 2    |      | Nonadecane   | 268 | C19H40  | 000629-92-5 | 83   |
| 3    |      | Eicosane     | 282 | C20H42  | 000112-95-8 | 83   |
| 4    |      | Tetracosane  | 338 | C24H50  | 000646-31-1 | 83   |
| 5    |      | Tetradecane  | 198 | C14H30  | 000629-59-4 | 83   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG041922\  
 Data File : BG053204.D  
 Acq On : 19 Apr 2022 20:33  
 Operator : CG/JU  
 Sample : N2452-05  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 WC-15-1-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG040822.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 |
| unknown8.674       | 8.674  | 7.3     | ng    | 88026    | 1                     | 8.122  | 241058 | 20.0 |
| unknown9.479       | 9.479  | 9.4     | ng    | 113338   | 1                     | 8.122  | 241058 | 20.0 |
| Octane, 3,6-dim... | 10.337 | 12.4    | ng    | 321314   | 2                     | 10.936 | 516816 | 20.0 |
| Decane, 2,2,9-t... | 10.407 | 9.1     | ng    | 235595   | 2                     | 10.936 | 516816 | 20.0 |
| Dodecane, 2,6,1... | 11.758 | 7.6     | ng    | 197065   | 2                     | 10.936 | 516816 | 20.0 |
| Sulfurous acid,... | 11.946 | 8.2     | ng    | 212704   | 2                     | 10.936 | 516816 | 20.0 |
| Decane, 5-propyl-  | 13.280 | 15.5    | ng    | 367880   | 3                     | 14.742 | 474628 | 20.0 |
| unknown13.562      | 13.562 | 6.9     | ng    | 163245   | 3                     | 14.742 | 474628 | 20.0 |
| Naphthalene, 1,... | 14.067 | 8.7     | ng    | 205484   | 3                     | 14.742 | 474628 | 20.0 |
| Naphthalene, 2,... | 14.120 | 7.4     | ng    | 175604   | 3                     | 14.742 | 474628 | 20.0 |
| 2-Pentanone, 4-... | 14.172 | 6.9     | ng    | 163915   | 3                     | 14.742 | 474628 | 20.0 |
| 1-Octadecanesul... | 14.220 | 18.2    | ng    | 431523   | 3                     | 14.742 | 474628 | 20.0 |
| unknown14.578      | 14.578 | 8.4     | ng    | 200350   | 3                     | 14.742 | 474628 | 20.0 |
| Naphthalene, 2,... | 15.136 | 9.2     | ng    | 218604   | 3                     | 14.742 | 474628 | 20.0 |
| unknown15.253      | 15.253 | 11.4    | ng    | 269350   | 3                     | 14.742 | 474628 | 20.0 |
| 4,6,8-Trimethyl... | 15.359 | 8.2     | ng    | 194531   | 3                     | 14.742 | 474628 | 20.0 |
| Heptacosane        | 15.982 | 23.2    | ng    | 549996   | 3                     | 14.742 | 474628 | 20.0 |
| Heptadecane, 2,... | 16.464 | 34.1    | ng    | 1088910  | 4                     | 17.486 | 637726 | 20.0 |
| Heptadecane, 2,... | 17.286 | 27.1    | ng    | 865778   | 4                     | 17.486 | 637726 | 20.0 |
| Pentacosane        | 17.891 | 10.2    | ng    | 325599   | 4                     | 17.486 | 637726 | 20.0 |