

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010322\  
 Data File : BF126457.D  
 Acq On : 3 Jan 2022 15:47  
 Operator : JU/CG  
 Sample : M5241-04  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-2D

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\_F\Methods\8270-BF122921.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF126457.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         | 2.169       | 8             | 14          | 20           | rBV2     | 45462          | 68178         | 2.30%           | 0.181%        |
| 2         | 2.910       | 133           | 140         | 145          | rVB2     | 24348          | 55693         | 1.88%           | 0.148%        |
| 3         | 3.840       | 284           | 298         | 303          | rBV3     | 71860          | 135663        | 4.58%           | 0.361%        |
| 4         | 4.428       | 391           | 398         | 407          | rVB3     | 79100          | 127495        | 4.30%           | 0.339%        |
| 5         | 4.951       | 477           | 487         | 493          | rBV2     | 39402          | 87124         | 2.94%           | 0.232%        |
| 6         | 5.010       | 493           | 497         | 502          | rBV      | 88820          | 104734        | 3.53%           | 0.279%        |
| 7         | 5.210       | 525           | 531         | 534          | rBV      | 52384          | 53009         | 1.79%           | 0.141%        |
| 8         | 5.381       | 556           | 560         | 562          | rBV      | 91648          | 110154        | 3.72%           | 0.293%        |
| 9         | 5.416       | 562           | 566         | 569          | rVB      | 3100375        | 2963225       | 100.00%         | 7.884%        |
| 10        | 5.569       | 588           | 592         | 597          | rBV3     | 32306          | 51407         | 1.73%           | 0.137%        |
| 11        | 5.645       | 602           | 605         | 613          | rVB3     | 55983          | 95655         | 3.23%           | 0.255%        |
| 12        | 5.710       | 613           | 616         | 628          | rVB2     | 94957          | 109842        | 3.71%           | 0.292%        |
| 13        | 5.810       | 628           | 633         | 639          | rBV3     | 54363          | 78456         | 2.65%           | 0.209%        |
| 14        | 5.957       | 655           | 658         | 662          | rVB3     | 76026          | 89866         | 3.03%           | 0.239%        |
| 15        | 6.004       | 662           | 666         | 669          | rBV3     | 40851          | 56836         | 1.92%           | 0.151%        |
| 16        | 6.051       | 669           | 674         | 677          | rVV2     | 173900         | 183253        | 6.18%           | 0.488%        |
| 17        | 6.104       | 680           | 683         | 686          | rVB      | 108874         | 93568         | 3.16%           | 0.249%        |
| 18        | 6.239       | 700           | 706         | 708          | rBV2     | 80157          | 97848         | 3.30%           | 0.260%        |
| 19        | 6.334       | 718           | 722         | 725          | rBV3     | 169049         | 197190        | 6.65%           | 0.525%        |
| 20        | 6.434       | 734           | 739         | 743          | rBV      | 2598811        | 2835205       | 95.68%          | 7.544%        |
| 21        | 6.469       | 743           | 745         | 749          | rVB2     | 69958          | 66530         | 2.25%           | 0.177%        |
| 22        | 6.539       | 754           | 757         | 762          | rBV4     | 65399          | 114543        | 3.87%           | 0.305%        |
| 23        | 6.622       | 769           | 771         | 772          | rBV      | 68840          | 50792         | 1.71%           | 0.135%        |
| 24        | 6.639       | 772           | 774         | 776          | rVV2     | 86643          | 69958         | 2.36%           | 0.186%        |
| 25        | 6.798       | 798           | 801         | 803          | rBV      | 824252         | 710838        | 23.99%          | 1.891%        |
| 26        | 6.863       | 808           | 812         | 814          | rBV2     | 76464          | 86485         | 2.92%           | 0.230%        |
| 27        | 6.892       | 814           | 817         | 819          | rBV2     | 47756          | 49833         | 1.68%           | 0.133%        |
| 28        | 6.951       | 824           | 827         | 830          | rVB      | 92528          | 83321         | 2.81%           | 0.222%        |
| 29        | 6.981       | 830           | 832         | 835          | rVB2     | 75840          | 70915         | 2.39%           | 0.189%        |
| 30        | 7.034       | 838           | 841         | 843          | rBV2     | 58717          | 50409         | 1.70%           | 0.134%        |
| 31        | 7.075       | 843           | 848         | 852          | rVB4     | 149165         | 209583        | 7.07%           | 0.558%        |
| 32        | 7.116       | 852           | 855         | 858          | rBV4     | 57916          | 65806         | 2.22%           | 0.175%        |
| 33        | 7.192       | 865           | 868         | 871          | rBV4     | 91252          | 81408         | 2.75%           | 0.217%        |
| 34        | 7.228       | 871           | 874         | 879          | rVB4     | 77523          | 100029        | 3.38%           | 0.266%        |
| 35        | 7.328       | 886           | 891         | 892          | rBV3     | 155585         | 189482        | 6.39%           | 0.504%        |
| 36        | 7.357       | 892           | 896         | 899          | rVV      | 1882493        | 1870856       | 63.14%          | 4.978%        |

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 ClientSampleId :  
 TP-2D

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\_F\Methods\8270-BF122921.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |       |      |      |      |      |         |         |        |        |
|----|-------|------|------|------|------|---------|---------|--------|--------|
| 37 | 7.398 | 901  | 903  | 907  | rVB3 | 133721  | 130656  | 4.41%  | 0.348% |
| 38 | 7.445 | 907  | 911  | 915  | rBV4 | 166190  | 220507  | 7.44%  | 0.587% |
| 39 | 7.504 | 915  | 921  | 927  | rBV6 | 100676  | 279323  | 9.43%  | 0.743% |
| 40 | 7.557 | 927  | 930  | 932  | rBV3 | 60483   | 66325   | 2.24%  | 0.176% |
| 41 | 7.586 | 932  | 935  | 937  | rVV2 | 157161  | 153767  | 5.19%  | 0.409% |
| 42 | 7.604 | 937  | 938  | 941  | rVB2 | 166152  | 131254  | 4.43%  | 0.349% |
| 43 | 7.639 | 941  | 944  | 946  | rBV2 | 49558   | 49560   | 1.67%  | 0.132% |
| 44 | 7.686 | 946  | 952  | 953  | rBV5 | 64925   | 99738   | 3.37%  | 0.265% |
| 45 | 7.722 | 956  | 958  | 962  | rVB4 | 215724  | 211880  | 7.15%  | 0.564% |
| 46 | 7.769 | 962  | 966  | 968  | rBV3 | 120192  | 140083  | 4.73%  | 0.373% |
| 47 | 7.845 | 974  | 979  | 981  | rBV3 | 98345   | 116818  | 3.94%  | 0.311% |
| 48 | 7.910 | 986  | 990  | 994  | rVB4 | 119139  | 147308  | 4.97%  | 0.392% |
| 49 | 7.969 | 995  | 1000 | 1002 | rBV3 | 137754  | 207246  | 6.99%  | 0.551% |
| 50 | 7.986 | 1002 | 1003 | 1006 | rVB2 | 74989   | 48872   | 1.65%  | 0.130% |
| 51 | 8.022 | 1007 | 1009 | 1011 | rBV2 | 115286  | 105706  | 3.57%  | 0.281% |
| 52 | 8.081 | 1014 | 1019 | 1022 | rBV  | 983141  | 1016894 | 34.32% | 2.706% |
| 53 | 8.151 | 1026 | 1031 | 1033 | rVB  | 636308  | 566135  | 19.11% | 1.506% |
| 54 | 8.175 | 1033 | 1035 | 1037 | rBV2 | 99421   | 91835   | 3.10%  | 0.244% |
| 55 | 8.239 | 1043 | 1046 | 1047 | rBV3 | 102630  | 101210  | 3.42%  | 0.269% |
| 56 | 8.292 | 1052 | 1055 | 1057 | rVV  | 372250  | 333657  | 11.26% | 0.888% |
| 57 | 8.316 | 1057 | 1059 | 1062 | rVB2 | 91188   | 89749   | 3.03%  | 0.239% |
| 58 | 8.375 | 1062 | 1069 | 1072 | rBV6 | 378214  | 659993  | 22.27% | 1.756% |
| 59 | 8.433 | 1076 | 1079 | 1081 | rVV3 | 203972  | 186238  | 6.28%  | 0.496% |
| 60 | 8.469 | 1083 | 1085 | 1088 | rVB3 | 188133  | 190947  | 6.44%  | 0.508% |
| 61 | 8.510 | 1088 | 1092 | 1094 | rBV  | 666433  | 636545  | 21.48% | 1.694% |
| 62 | 8.551 | 1097 | 1099 | 1101 | rVB2 | 235260  | 196175  | 6.62%  | 0.522% |
| 63 | 8.592 | 1102 | 1106 | 1108 | rBV3 | 186574  | 198829  | 6.71%  | 0.529% |
| 64 | 8.628 | 1108 | 1112 | 1114 | rBV3 | 388025  | 427125  | 14.41% | 1.136% |
| 65 | 8.680 | 1118 | 1121 | 1124 | rBV3 | 117398  | 141733  | 4.78%  | 0.377% |
| 66 | 8.775 | 1134 | 1137 | 1143 | rVB3 | 448902  | 484768  | 16.36% | 1.290% |
| 67 | 8.833 | 1144 | 1147 | 1149 | rVB4 | 141431  | 132010  | 4.45%  | 0.351% |
| 68 | 8.869 | 1149 | 1153 | 1155 | rBV4 | 191772  | 283505  | 9.57%  | 0.754% |
| 69 | 8.963 | 1167 | 1169 | 1171 | rBV3 | 225214  | 238346  | 8.04%  | 0.634% |
| 70 | 8.992 | 1172 | 1174 | 1178 | rVB3 | 256455  | 281215  | 9.49%  | 0.748% |
| 71 | 9.110 | 1191 | 1194 | 1198 | rBV  | 889727  | 729053  | 24.60% | 1.940% |
| 72 | 9.157 | 1198 | 1202 | 1205 | rBV  | 2440663 | 2255066 | 76.10% | 6.000% |
| 73 | 9.245 | 1213 | 1217 | 1221 | rBV4 | 493701  | 791216  | 26.70% | 2.105% |
| 74 | 9.433 | 1247 | 1249 | 1251 | rBV2 | 150652  | 116171  | 3.92%  | 0.309% |
| 75 | 9.522 | 1262 | 1264 | 1266 | rVB2 | 194277  | 147915  | 4.99%  | 0.394% |
| 76 | 9.569 | 1266 | 1272 | 1274 | rBV2 | 876060  | 964122  | 32.54% | 2.565% |

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 Sample : M5241-04  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-2D

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\_F\Methods\8270-BF122921.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|     |        |      |      |      |      |         |         |        |        |
|-----|--------|------|------|------|------|---------|---------|--------|--------|
| 77  | 9.592  | 1274 | 1276 | 1283 | rVB6 | 147677  | 233489  | 7.88%  | 0.621% |
| 78  | 9.710  | 1293 | 1296 | 1299 | rBV3 | 215362  | 261346  | 8.82%  | 0.695% |
| 79  | 9.751  | 1300 | 1303 | 1305 | rVB  | 410281  | 346669  | 11.70% | 0.922% |
| 80  | 9.833  | 1311 | 1317 | 1320 | rBV3 | 838880  | 1025867 | 34.62% | 2.729% |
| 81  | 9.951  | 1334 | 1337 | 1339 | rVB2 | 191406  | 176343  | 5.95%  | 0.469% |
| 82  | 10.039 | 1350 | 1352 | 1355 | rVB3 | 186191  | 131992  | 4.45%  | 0.351% |
| 83  | 10.104 | 1360 | 1363 | 1368 | rVB3 | 395483  | 468554  | 15.81% | 1.247% |
| 84  | 10.157 | 1369 | 1372 | 1374 | rBV3 | 234816  | 241234  | 8.14%  | 0.642% |
| 85  | 10.251 | 1385 | 1388 | 1389 | rBV3 | 198012  | 193400  | 6.53%  | 0.515% |
| 86  | 10.298 | 1394 | 1396 | 1399 | rBV3 | 172336  | 136838  | 4.62%  | 0.364% |
| 87  | 10.380 | 1407 | 1410 | 1416 | rBV6 | 314931  | 535271  | 18.06% | 1.424% |
| 88  | 10.498 | 1426 | 1430 | 1434 | rVB  | 745413  | 783754  | 26.45% | 2.085% |
| 89  | 10.622 | 1447 | 1451 | 1454 | rBV2 | 1137359 | 1222863 | 41.27% | 3.254% |
| 90  | 10.763 | 1471 | 1475 | 1481 | rVB  | 1092311 | 1316937 | 44.44% | 3.504% |
| 91  | 10.963 | 1506 | 1509 | 1515 | rVB4 | 246118  | 422560  | 14.26% | 1.124% |
| 92  | 11.227 | 1551 | 1554 | 1558 | rVB  | 797956  | 872851  | 29.46% | 2.322% |
| 93  | 11.321 | 1567 | 1570 | 1572 | rBV  | 712977  | 585939  | 19.77% | 1.559% |
| 94  | 11.345 | 1572 | 1574 | 1576 | rVB  | 376149  | 283569  | 9.57%  | 0.754% |
| 95  | 11.857 | 1658 | 1661 | 1665 | rVB3 | 326197  | 324491  | 10.95% | 0.863% |
| 96  | 12.533 | 1774 | 1776 | 1779 | rVB  | 372552  | 323925  | 10.93% | 0.862% |
| 97  | 12.763 | 1813 | 1815 | 1817 | rBV  | 296447  | 211688  | 7.14%  | 0.563% |
| 98  | 12.910 | 1836 | 1840 | 1844 | rBV  | 1910916 | 1893465 | 63.90% | 5.038% |
| 99  | 13.962 | 2016 | 2019 | 2022 | rVB  | 493060  | 432663  | 14.60% | 1.151% |
| 100 | 15.404 | 2261 | 2264 | 2268 | rVB2 | 287308  | 324315  | 10.94% | 0.863% |

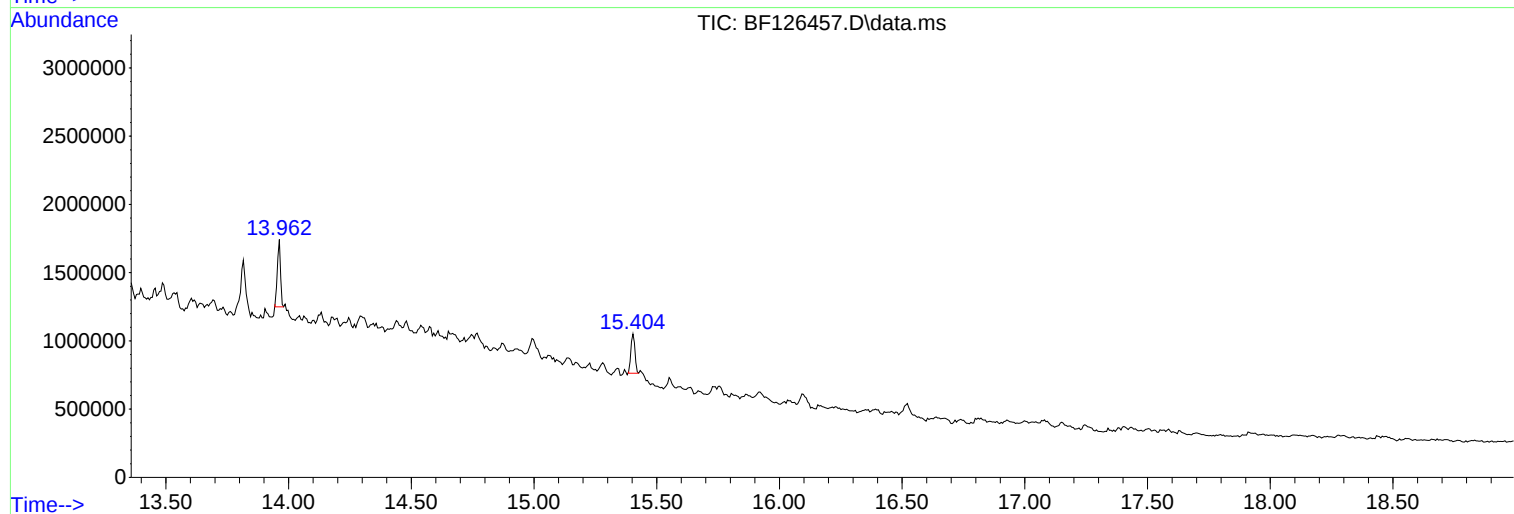
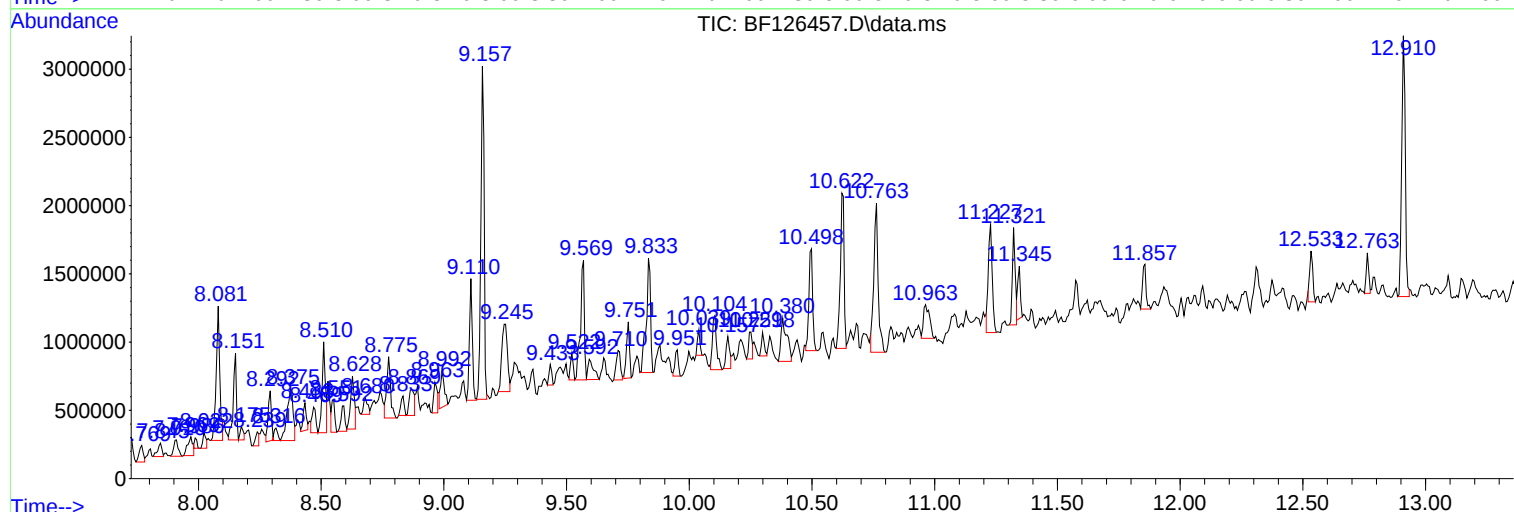
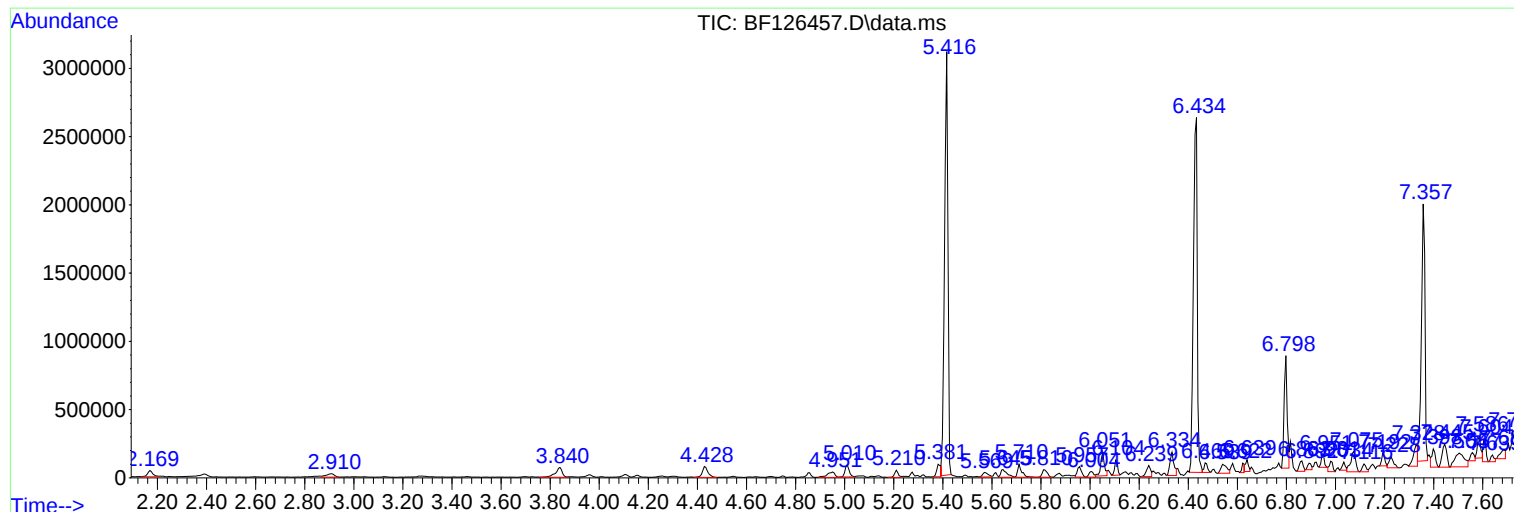
Sum of corrected areas: 37584707

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Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-2D

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122921.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\_F\Data\BF010322\  
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Instrument :  
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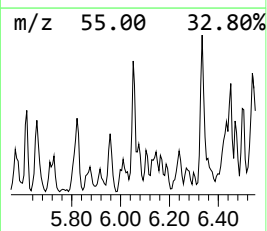
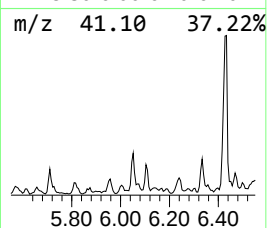
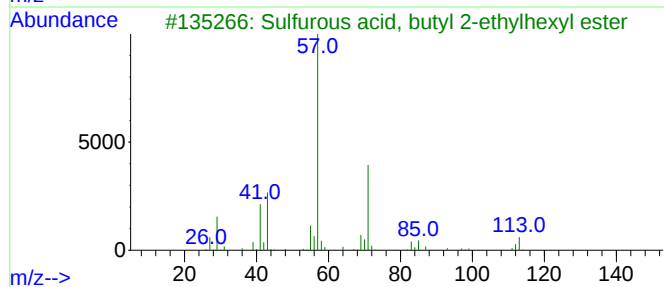
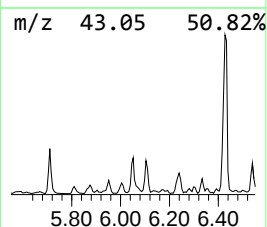
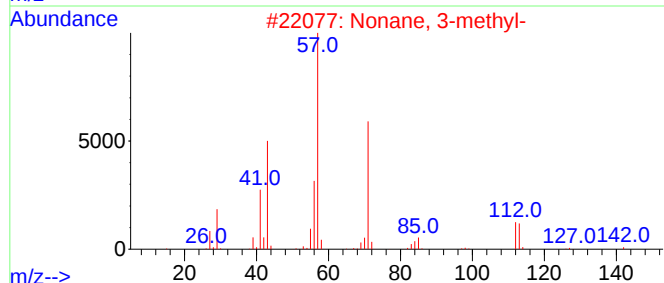
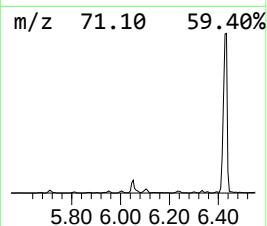
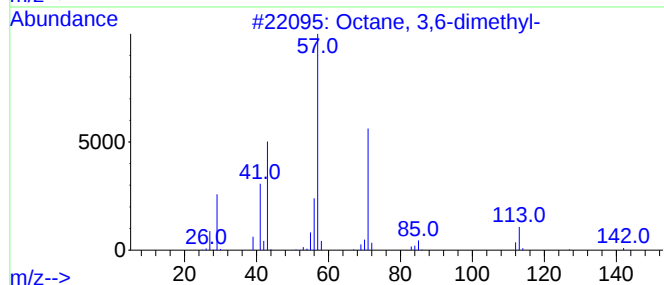
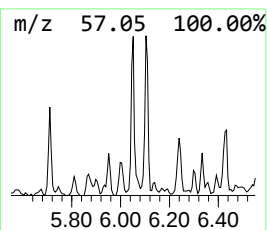
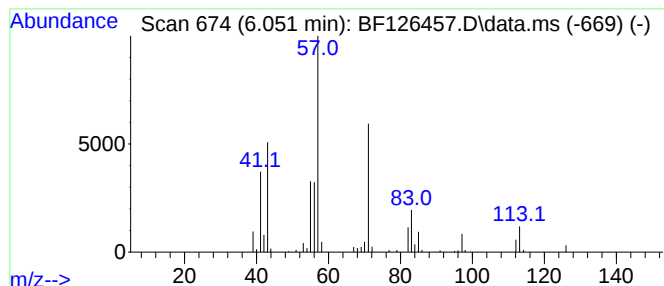
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122921.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 1 Nonane, 3-methyl- Concentration Rank 18

| R.T.  | EstConc | Area   | Relative to ISTD       | R.T.  |
|-------|---------|--------|------------------------|-------|
| 6.051 | 5.16 ng | 183253 | 1,4-Dichlorobenzene-d4 | 6.798 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Octane, 3,6-dimethyl-               | 142 | C10H22    | 015869-94-0  | 64   |
| 2    |    |   | Nonane, 3-methyl-                   | 142 | C10H22    | 005911-04-6  | 59   |
| 3    |    |   | Sulfurous acid, butyl 2-ethylhex... | 250 | C12H26O3S | 1000309-18-8 | 59   |
| 4    |    |   | Undecane, 6,6-dimethyl-             | 184 | C13H28    | 017312-76-4  | 53   |
| 5    |    |   | Sulfurous acid, butyl octyl ester   | 250 | C12H26O3S | 1000309-17-5 | 53   |



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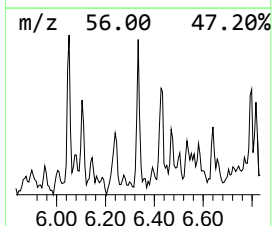
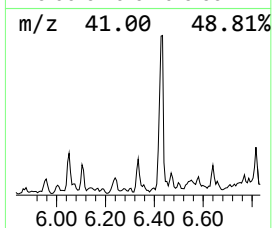
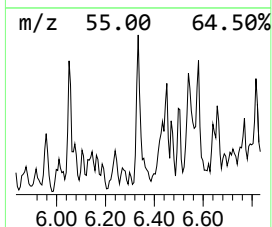
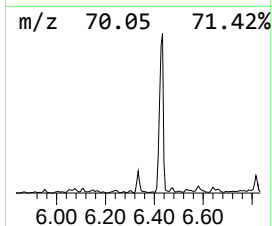
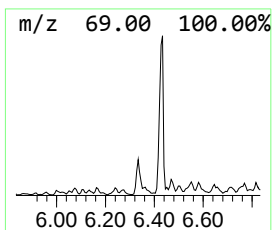
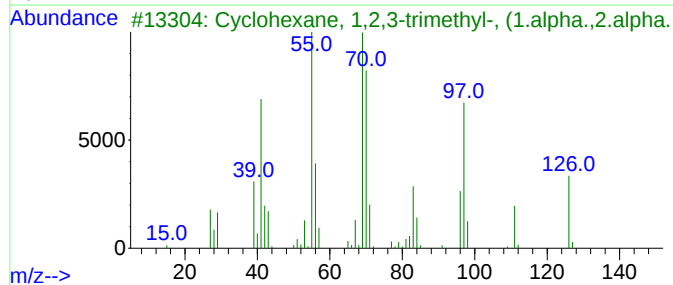
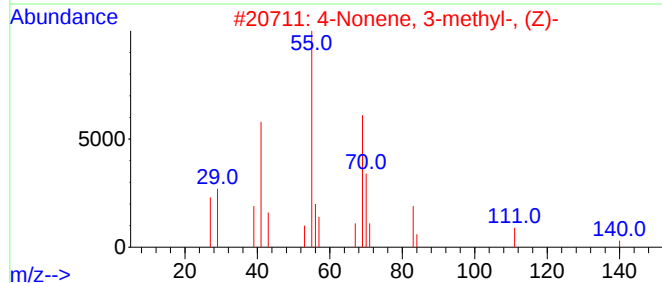
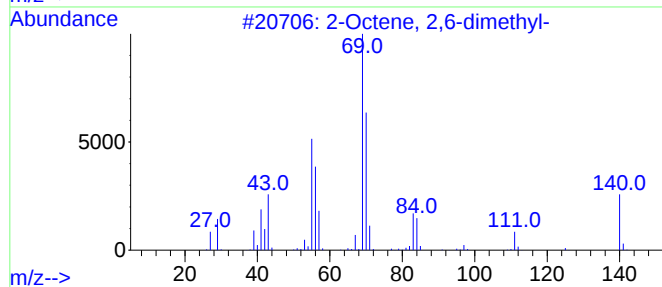
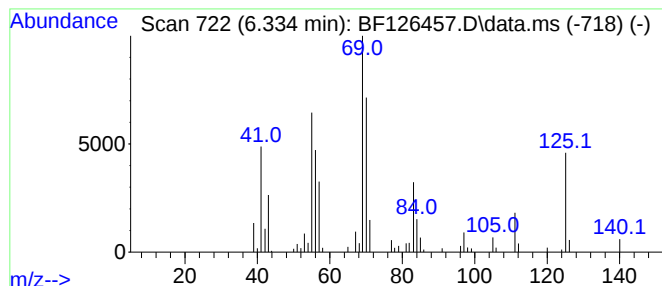
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122921.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 2 2-Octene, 2,6-dimethyl- Concentration Rank 15

| R.T.  | EstConc | Area   | Relative to ISTD       | R.T.  |
|-------|---------|--------|------------------------|-------|
| 6.334 | 5.55 ng | 197190 | 1,4-Dichlorobenzene-d4 | 6.798 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 2-Octene, 2,6-dimethyl-             | 140 | C10H20  | 004057-42-5 | 64   |
| 2    |    |   | 4-Nonene, 3-methyl-, (Z)-           | 140 | C10H20  | 063830-69-3 | 59   |
| 3    |    |   | Cyclohexane, 1,2,3-trimethyl-, (... | 126 | C9H18   | 001839-88-9 | 58   |
| 4    |    |   | 4-Octene, 2,6-dimethyl-, [S-(E)]-   | 140 | C10H20  | 062960-76-3 | 53   |
| 5    |    |   | Cyclohexane, 1,1,2,3-tetramethyl-   | 140 | C10H20  | 006783-92-2 | 46   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010322\  
Data File : BF126457.D  
Acq On : 3 Jan 2022 15:47  
Operator : JU/CG  
Sample : M5241-04  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-2D

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122921.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

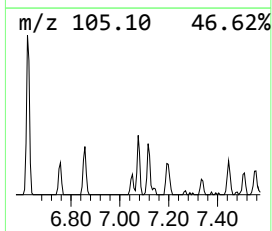
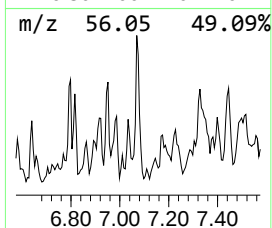
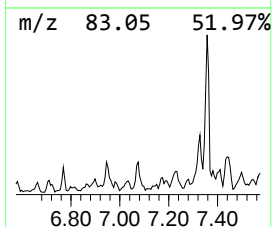
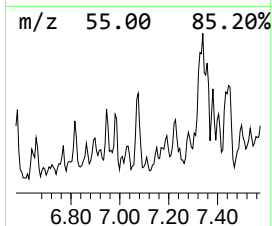
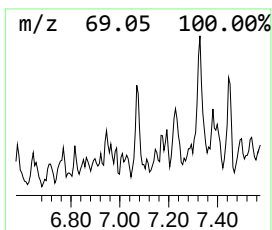
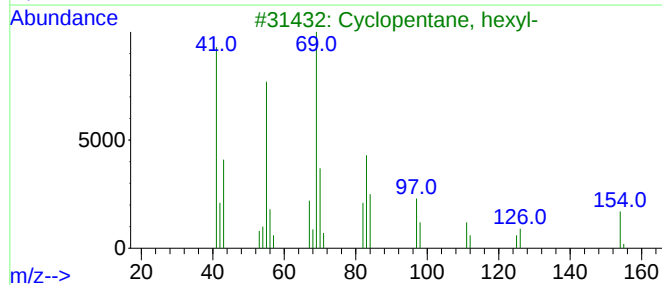
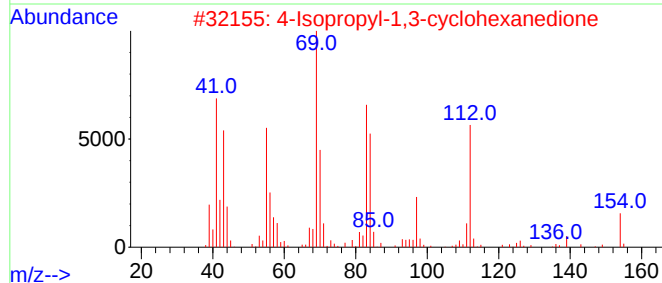
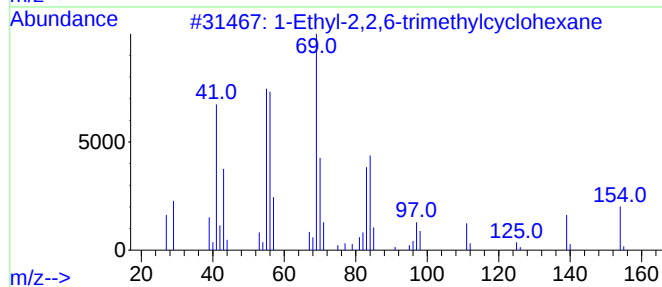
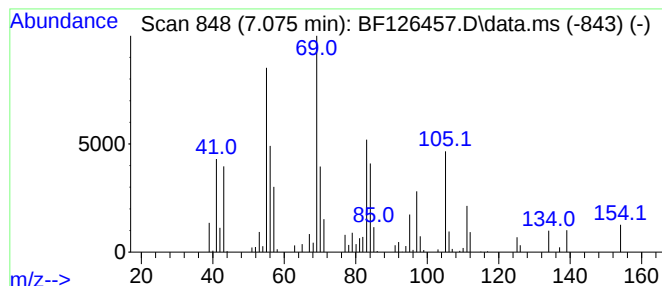
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TIC Integration Parameters: LSCINT.P

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Peak Number 3 1-Ethyl-2,2,6-trimethylcycl... Concentration Rank 14

| R.T.  | EstConc | Area   | Relative to ISTD       | R.T.  |
|-------|---------|--------|------------------------|-------|
| 7.075 | 5.90 ng | 209583 | 1,4-Dichlorobenzene-d4 | 6.798 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 1-Ethyl-2,2,6-trimethylcyclohexane  | 154 | C11H22  | 071186-27-1 | 72   |
| 2    |    |   | 4-Isopropyl-1,3-cyclohexanedione    | 154 | C9H14O2 | 062831-62-3 | 72   |
| 3    |    |   | Cyclopentane, hexyl-                | 154 | C11H22  | 004457-00-5 | 58   |
| 4    |    |   | Cyclohexane, 1,1-dimethyl-2-propyl- | 154 | C11H22  | 081983-71-3 | 52   |
| 5    |    |   | Cyclopropane, 1,2-dibutyl-          | 154 | C11H22  | 041977-32-6 | 46   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010322\  
Data File : BF126457.D  
Acq On : 3 Jan 2022 15:47  
Operator : JU/CG  
Sample : M5241-04  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-2D

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122921.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

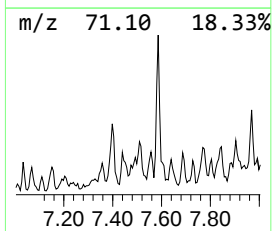
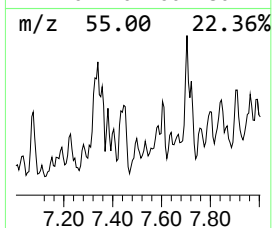
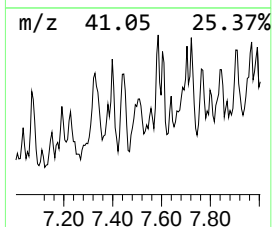
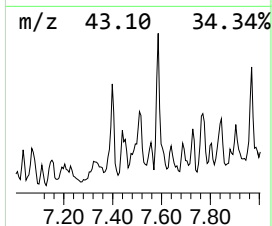
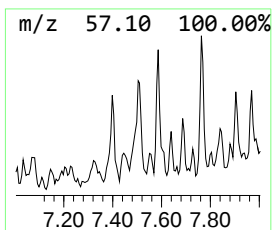
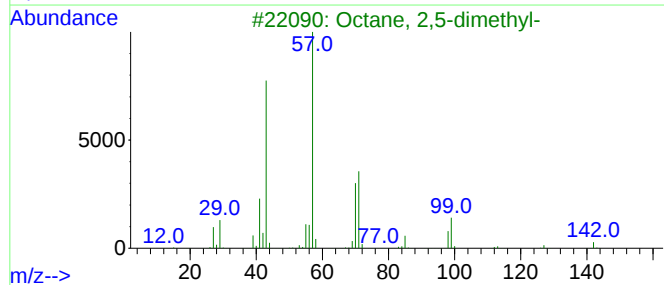
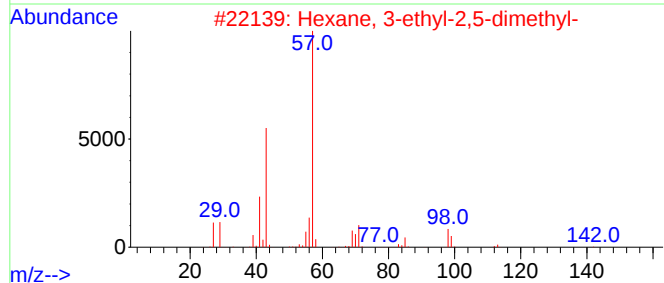
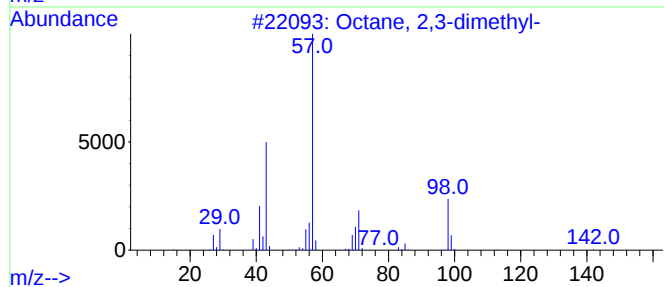
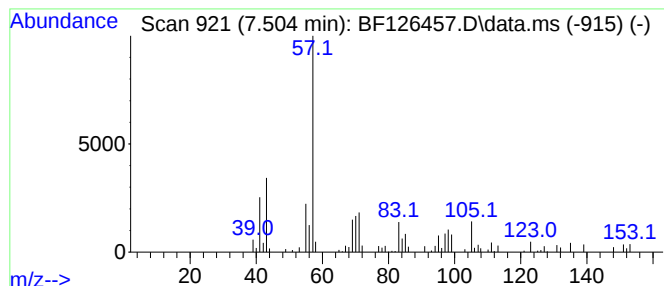
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 unknown7.504 Concentration Rank 16

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 7.504 | 5.49 ng | 279323 | Naphthalene-d8   | 8.081 |

| Hit# | of | 5 | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------|-----|---------|-------------|------|
| 1    |    |   | Octane, 2,3-dimethyl-         | 142 | C10H22  | 007146-60-3 | 27   |
| 2    |    |   | Hexane, 3-ethyl-2,5-dimethyl- | 142 | C10H22  | 052897-04-8 | 27   |
| 3    |    |   | Octane, 2,5-dimethyl-         | 142 | C10H22  | 015869-89-3 | 27   |
| 4    |    |   | Heptane, 3-ethyl-2-methyl-    | 142 | C10H22  | 014676-29-0 | 27   |
| 5    |    |   | Decane, 2,5-dimethyl-         | 170 | C12H26  | 017312-50-4 | 27   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010322\  
Data File : BF126457.D  
Acq On : 3 Jan 2022 15:47  
Operator : JU/CG  
Sample : M5241-04  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-2D

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122921.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

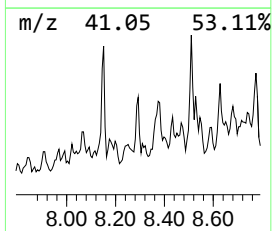
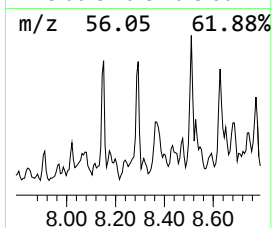
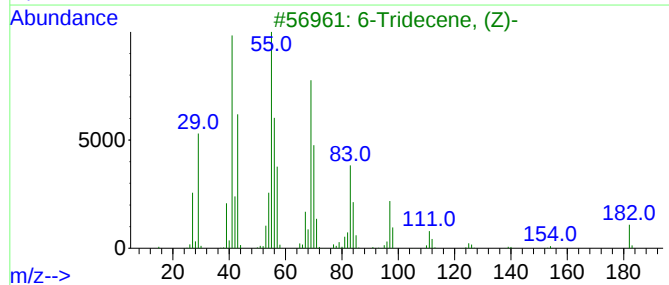
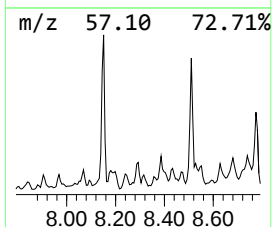
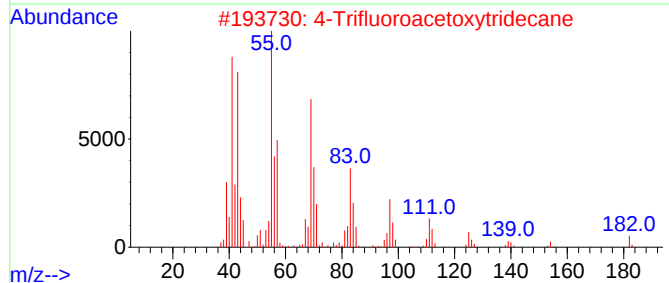
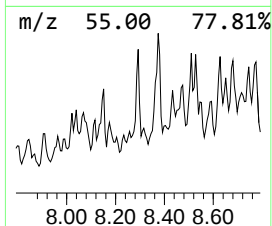
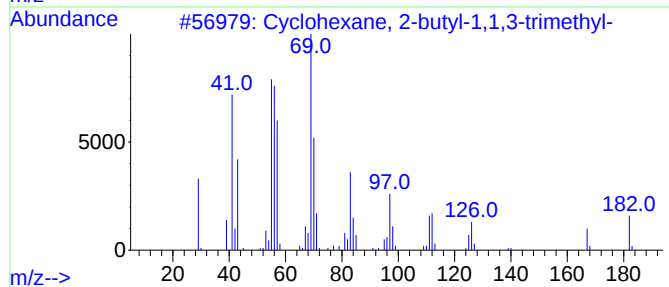
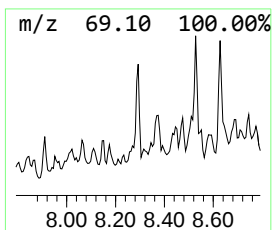
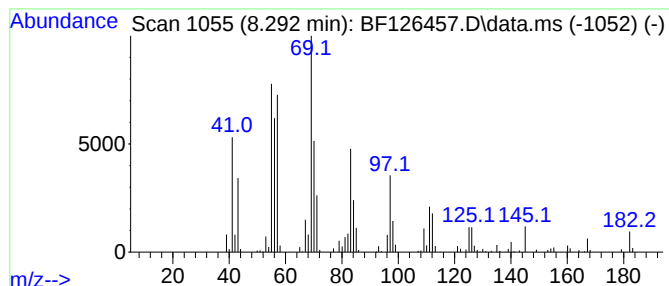
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 8.292 | 6.56 ng | 333657 | Naphthalene-d8   | 8.081 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|------------|--------------|------|
| 1    |    |   | Cyclohexane, 2-butyl-1,1,3-trime... | 182 | C13H26     | 054676-39-0  | 95   |
| 2    |    |   | 4-Trifluoroacetoxytridecane         | 296 | C15H27F3O2 | 1000245-47-3 | 91   |
| 3    |    |   | 6-Tridecene, (Z)-                   | 182 | C13H26     | 006508-77-6  | 90   |
| 4    |    |   | 3-Tridecene, (Z)-                   | 182 | C13H26     | 041446-53-1  | 87   |
| 5    |    |   | 6-Tridecene, (E)-                   | 182 | C13H26     | 006434-76-0  | 87   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010322\  
Data File : BF126457.D  
Acq On : 3 Jan 2022 15:47  
Operator : JU/CG  
Sample : M5241-04  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-2D

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122921.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

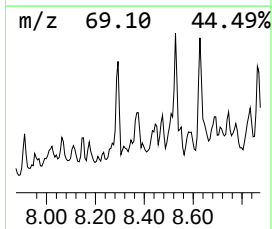
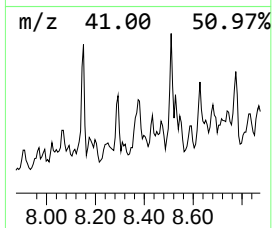
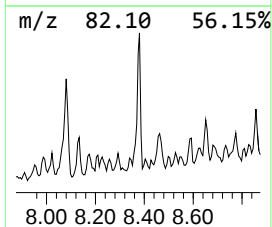
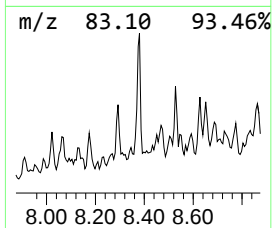
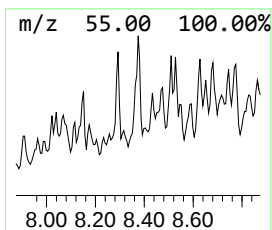
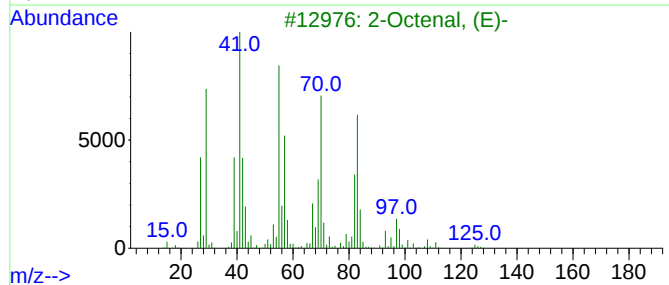
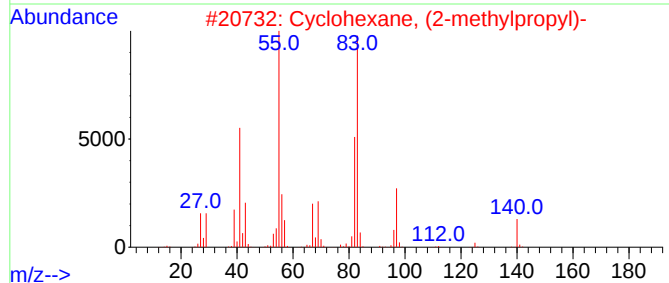
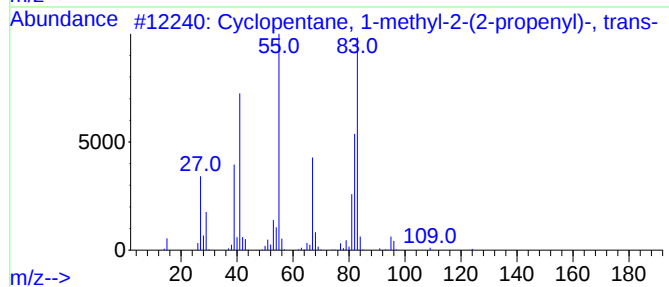
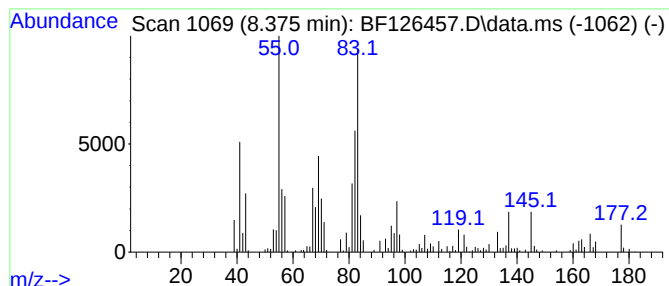
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Cyclopentane, 1-methyl-2-(2... Concentration Rank 7

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 8.375 | 12.98 ng | 659993 | Naphthalene-d8   | 8.081 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|------|-------------------------------------|-----|---------|-------------|------|
| 1    |      | Cyclopentane, 1-methyl-2-(2-prop... | 124 | C9H16   | 050746-53-7 | 58   |
| 2    |      | Cyclohexane, (2-methylpropyl)-      | 140 | C10H20  | 001678-98-4 | 53   |
| 3    |      | 2-Octenal, (E)-                     | 126 | C8H14O  | 002548-87-0 | 52   |
| 4    |      | 3-Cyclohexyl-1-chloropropane        | 160 | C9H17Cl | 001124-62-5 | 47   |
| 5    |      | 1-Pentene, 2,3,3-trimethyl-         | 112 | C8H16   | 000560-23-6 | 38   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010322\  
Data File : BF126457.D  
Acq On : 3 Jan 2022 15:47  
Operator : JU/CG  
Sample : M5241-04  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-2D

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122921.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

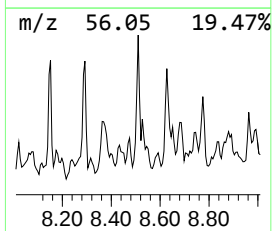
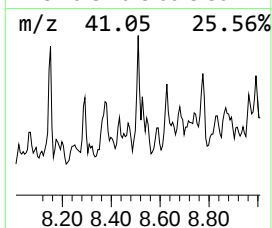
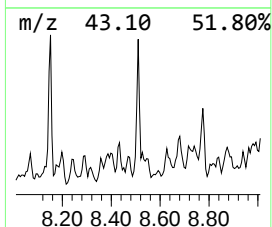
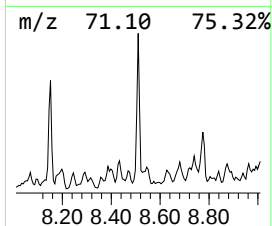
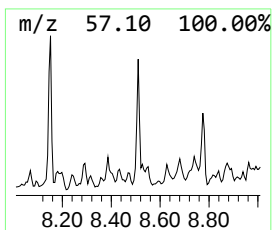
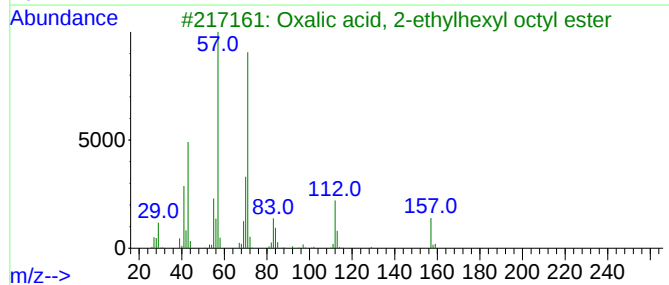
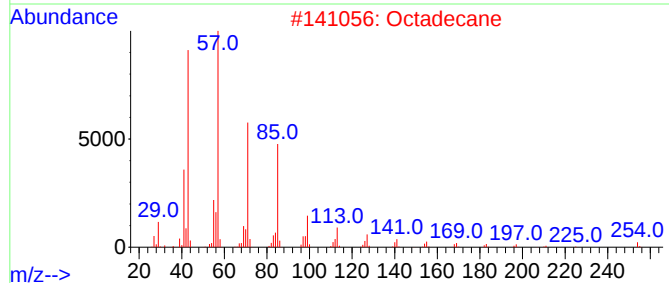
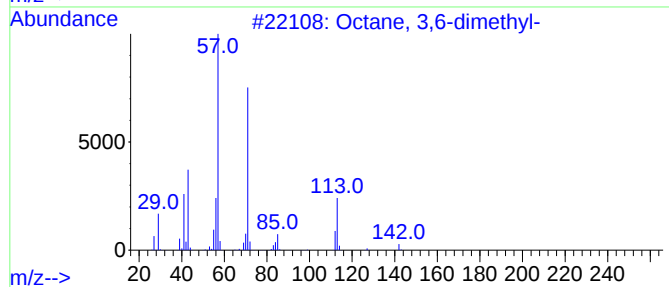
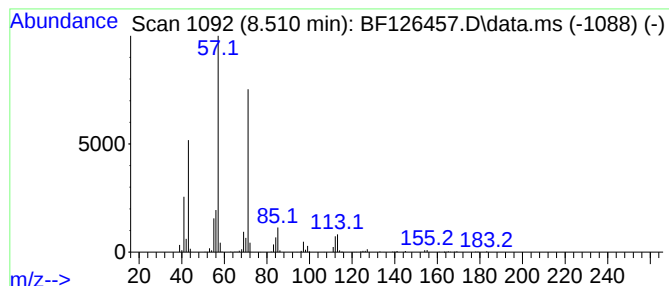
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Octane, 3,6-dimethyl- Concentration Rank 8

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 8.510 | 12.52 ng | 636545 | Naphthalene-d8   | 8.081 |

| Hit# | of                                  | 5 | Tentative ID | MW  | MolForm   | CAS#         | Qual |
|------|-------------------------------------|---|--------------|-----|-----------|--------------|------|
| 1    | Octane, 3,6-dimethyl-               |   |              | 142 | C10H22    | 015869-94-0  | 78   |
| 2    | Octadecane                          |   |              | 254 | C18H38    | 000593-45-3  | 78   |
| 3    | Oxalic acid, 2-ethylhexyl octyl ... |   |              | 314 | C18H34O4  | 1000309-39-1 | 72   |
| 4    | Undecane, 6,6-dimethyl-             |   |              | 184 | C13H28    | 017312-76-4  | 64   |
| 5    | Sulfurous acid, butyl octyl ester   |   |              | 250 | C12H26O3S | 1000309-17-5 | 64   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010322\  
Data File : BF126457.D  
Acq On : 3 Jan 2022 15:47  
Operator : JU/CG  
Sample : M5241-04  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-2D

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122921.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

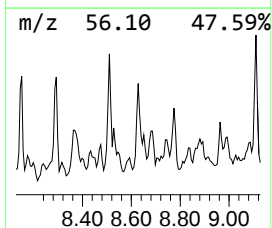
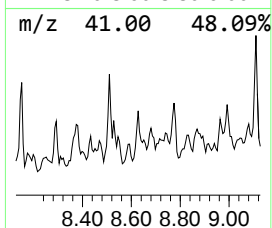
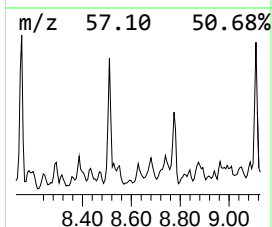
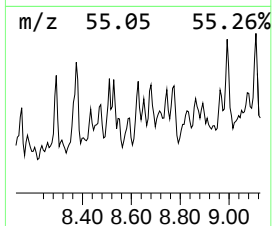
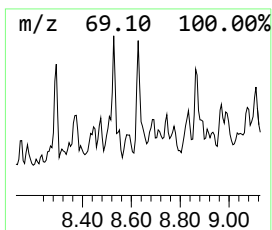
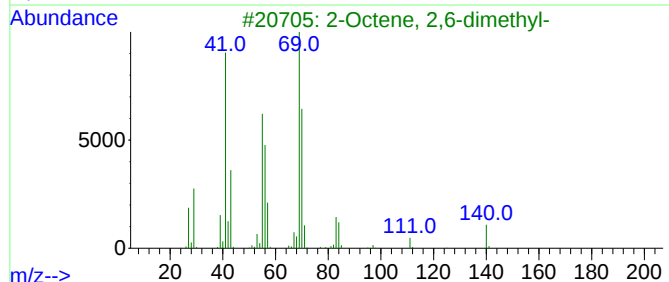
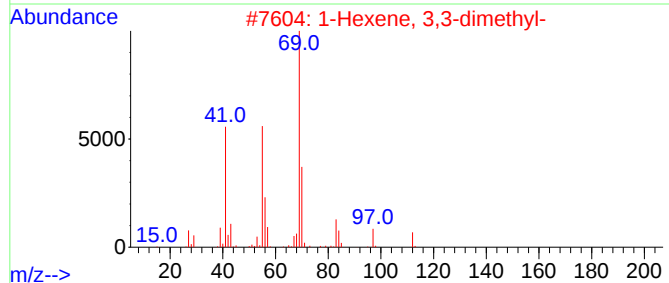
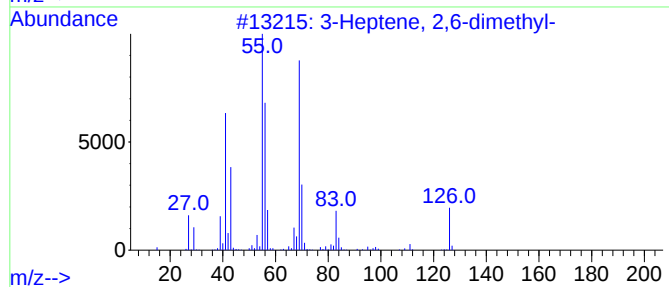
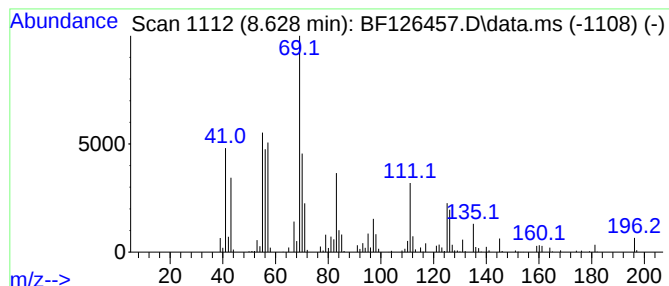
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 3-Heptene, 2,6-dimethyl- Concentration Rank 11

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 8.628 | 8.40 ng | 427125 | Naphthalene-d8   | 8.081 |

| Hit# | of | 5 | Tentative ID                    | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------------------|-----|---------|-------------|------|
| 1    |    |   | 3-Heptene, 2,6-dimethyl-        | 126 | C9H18   | 002738-18-3 | 50   |
| 2    |    |   | 1-Hexene, 3,3-dimethyl-         | 112 | C8H16   | 003404-77-1 | 49   |
| 3    |    |   | 2-Octene, 2,6-dimethyl-         | 140 | C10H20  | 004057-42-5 | 47   |
| 4    |    |   | Cyclopentane, (2-methylbutyl)-  | 140 | C10H20  | 053366-38-4 | 46   |
| 5    |    |   | Cyclohexane, 1,2-diethyl-, cis- | 140 | C10H20  | 000824-43-1 | 38   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010322\  
Data File : BF126457.D  
Acq On : 3 Jan 2022 15:47  
Operator : JU/CG  
Sample : M5241-04  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-2D

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122921.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

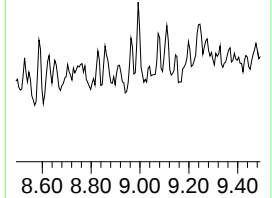
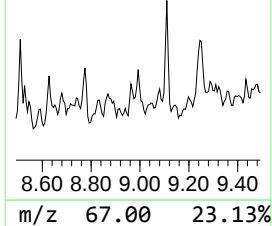
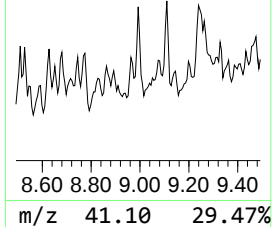
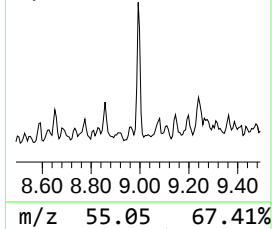
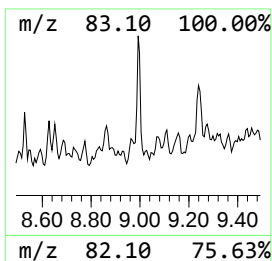
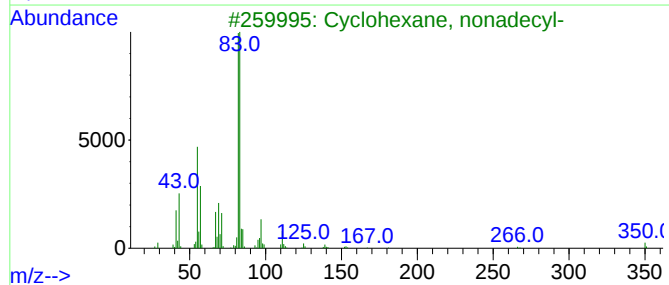
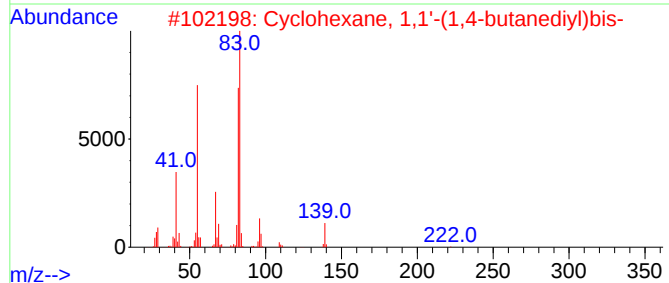
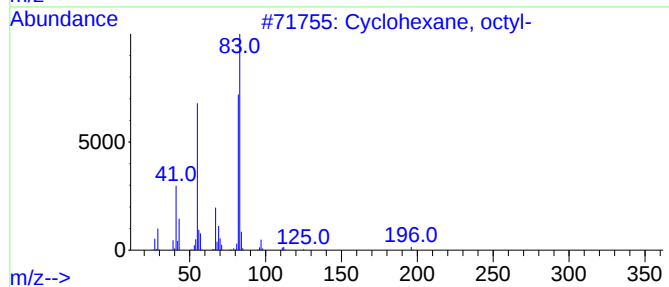
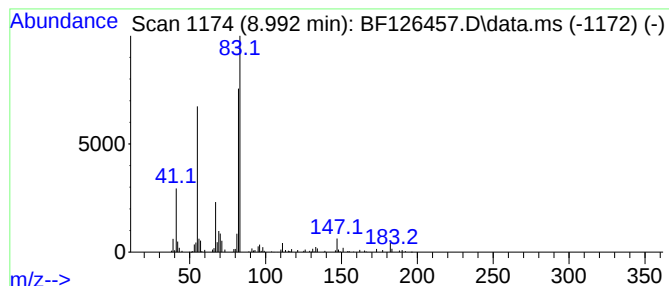
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TIC Integration Parameters: LSCINT.P

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Peak Number 9 Cyclohexane, octyl- Concentration Rank 17

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 8.992 | 5.48 ng | 281215 | Acenaphthene-d10 | 9.833 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclohexane, octyl-                 | 196 | C14H28  | 001795-15-9 | 78   |
| 2    |    |   | Cyclohexane, 1,1'-(1,4-butanediyl)- | 222 | C16H30  | 006165-44-2 | 78   |
| 3    |    |   | Cyclohexane, nonadecyl-             | 350 | C25H50  | 022349-03-7 | 78   |
| 4    |    |   | Cyclohexane, butyl-                 | 140 | C10H20  | 001678-93-9 | 72   |
| 5    |    |   | Cyclohexane, (2-methylpropyl)-      | 140 | C10H20  | 001678-98-4 | 72   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010322\  
Data File : BF126457.D  
Acq On : 3 Jan 2022 15:47  
Operator : JU/CG  
Sample : M5241-04  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-2D

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122921.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

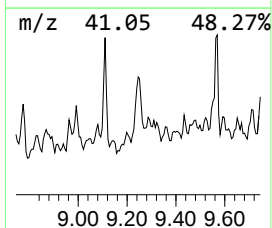
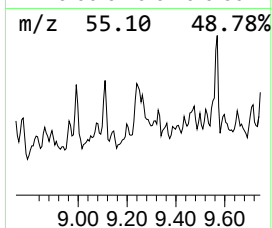
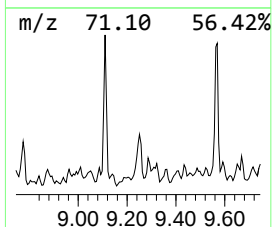
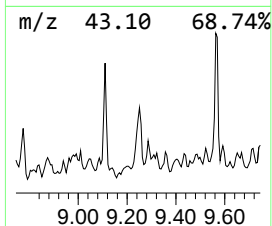
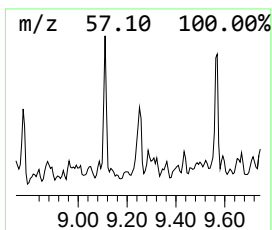
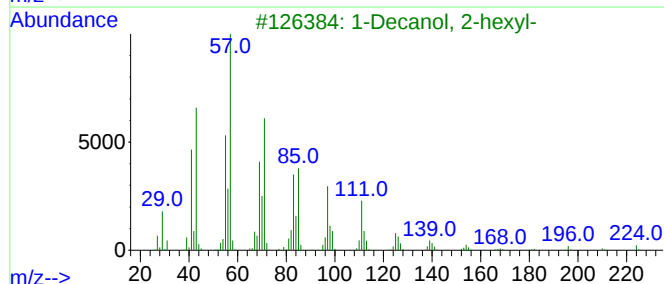
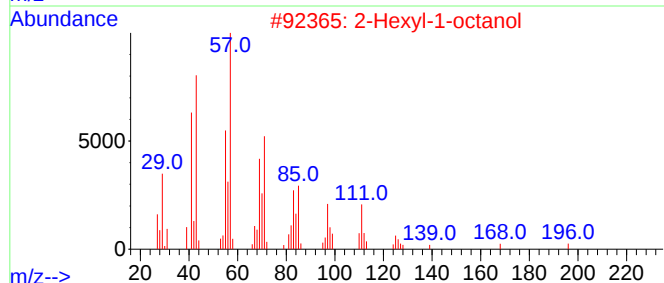
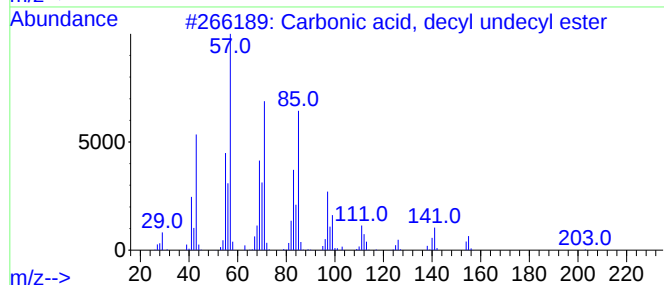
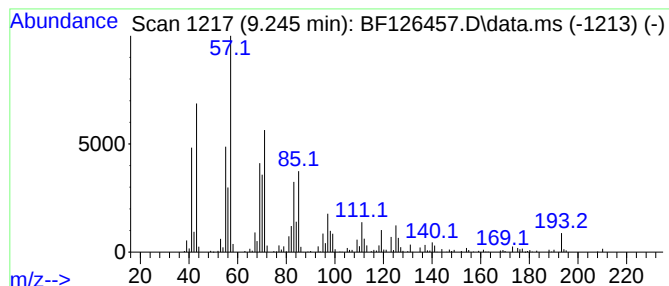
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Peak Number 10 Carbonic acid, decyl undecy... Concentration Rank 4

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 9.245 | 15.43 ng | 791216 | Acenaphthene-d10 | 9.833 |

| Hit# | of 5 | Tentative ID                       | MW  | MolForm  | CAS#         | Qual |
|------|------|------------------------------------|-----|----------|--------------|------|
| 1    |      | Carbonic acid, decyl undecyl ester | 356 | C22H44O3 | 1000383-16-0 | 80   |
| 2    |      | 2-Hexyl-1-octanol                  | 214 | C14H30O  | 019780-79-1  | 80   |
| 3    |      | 1-Decanol, 2-hexyl-                | 242 | C16H34O  | 002425-77-6  | 80   |
| 4    |      | Nonyl tetradecyl ether             | 340 | C23H48O  | 1000406-37-6 | 72   |
| 5    |      | Carbonic acid, undecyl vinyl ester | 242 | C14H26O3 | 1000382-54-9 | 64   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010322\  
Data File : BF126457.D  
Acq On : 3 Jan 2022 15:47  
Operator : JU/CG  
Sample : M5241-04  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-2D

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122921.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

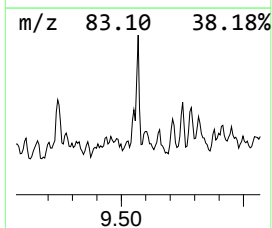
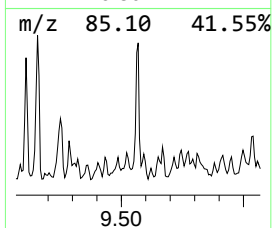
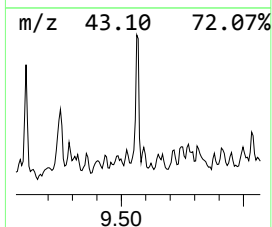
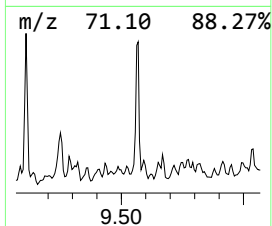
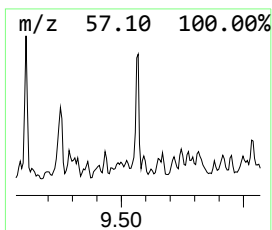
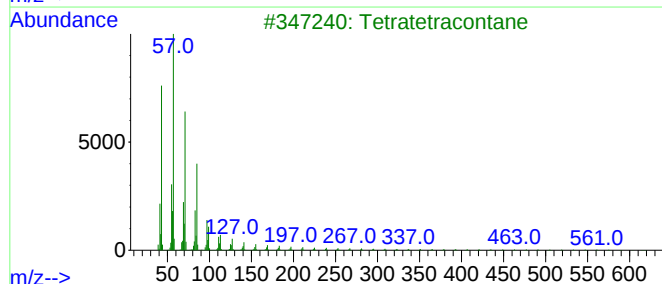
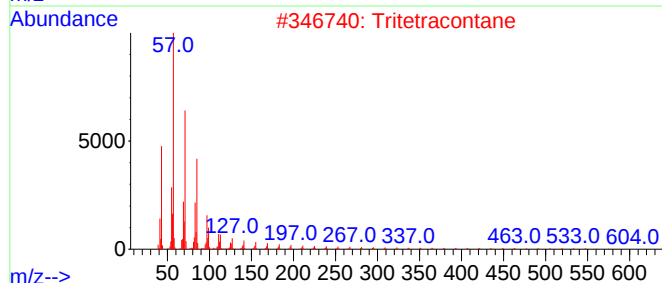
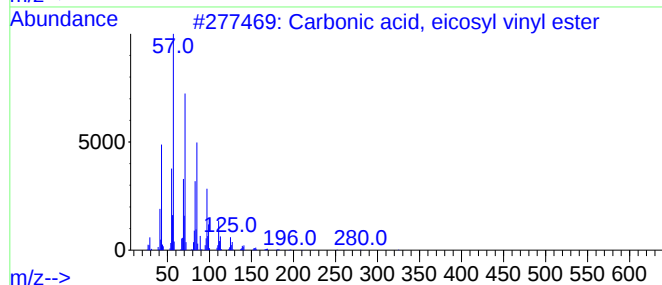
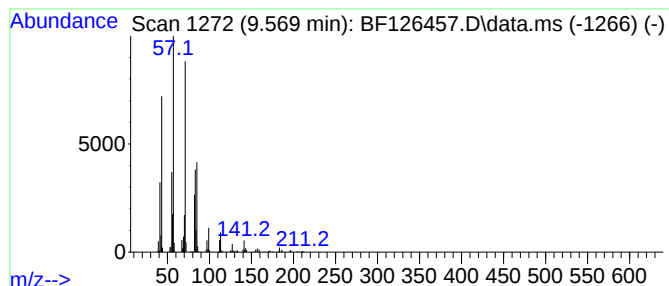
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 11 Carbonic acid, eicosyl vinyl... Concentration Rank 3

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 9.569 | 18.80 ng | 964122 | Acenaphthene-d10 | 9.833 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm  | CAS#         | Qual |
|------|----|---|------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Carbonic acid, eicosyl vinyl ester | 368 | C23H44O3 | 1000382-54-3 | 86   |
| 2    |    |   | Tritetracontane                    | 605 | C43H88   | 007098-21-7  | 72   |
| 3    |    |   | Tetratetracontane                  | 619 | C44H90   | 007098-22-8  | 59   |
| 4    |    |   | 3-Ethyl-2,6,10-trimethylundecane   | 226 | C16H34   | 1000432-25-9 | 58   |
| 5    |    |   | Pentadecane, 7-methyl-             | 226 | C16H34   | 006165-40-8  | 53   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010322\  
Data File : BF126457.D  
Acq On : 3 Jan 2022 15:47  
Operator : JU/CG  
Sample : M5241-04  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-2D

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122921.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

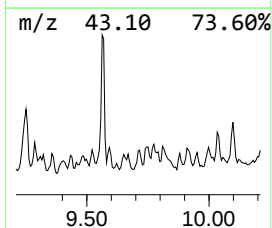
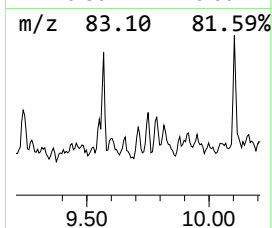
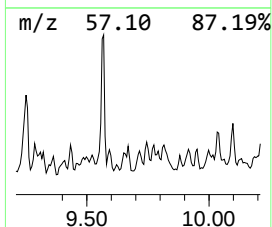
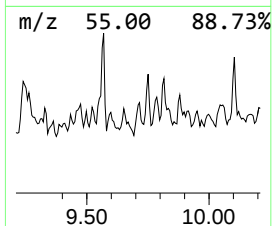
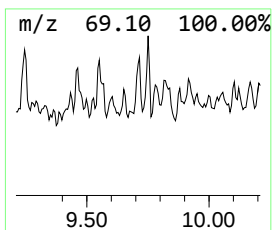
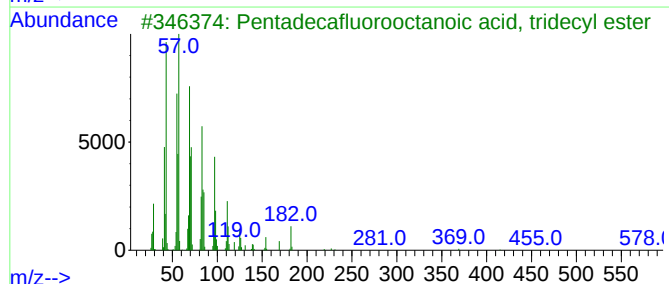
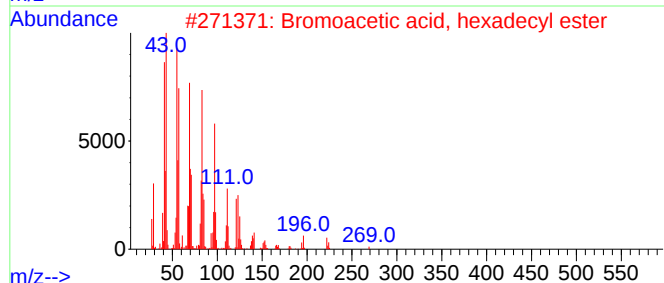
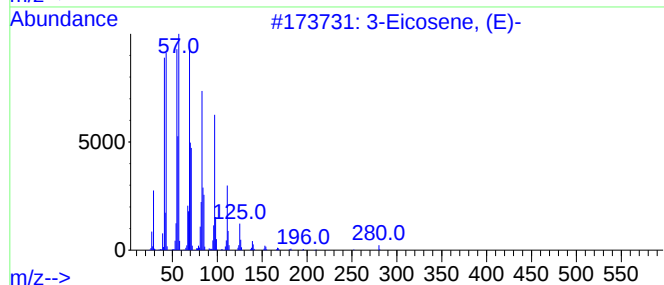
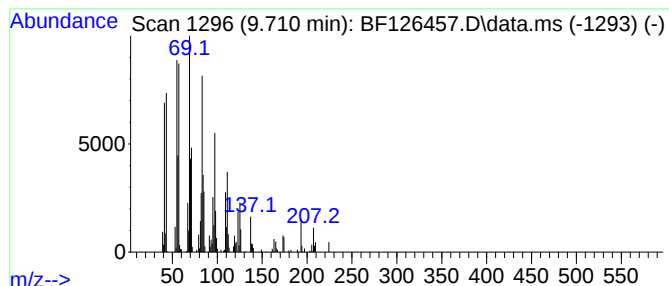
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TIC Integration Parameters: LSCINT.P

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Peak Number 12 3-Eicosene, (E)- Concentration Rank 19

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 9.710 | 5.10 ng | 261346 | Acenaphthene-d10 | 9.833 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|------|-------------------------------------|-----|-------------|--------------|------|
| 1    |      | 3-Eicosene, (E)-                    | 280 | C20H40      | 074685-33-9  | 93   |
| 2    |      | Bromoacetic acid, hexadecyl ester   | 362 | C18H35BrO2  | 005454-48-8  | 87   |
| 3    |      | Pentadecafluorooctanoic acid, tr... | 596 | C21H27F15O2 | 1000406-04-3 | 83   |
| 4    |      | 7-Hexadecene, (Z)-                  | 224 | C16H32      | 035507-09-6  | 78   |
| 5    |      | Acetic acid, trifluoro-, dodecyl... | 282 | C14H25F3O2  | 006222-00-0  | 74   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010322\  
Data File : BF126457.D  
Acq On : 3 Jan 2022 15:47  
Operator : JU/CG  
Sample : M5241-04  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-2D

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122921.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

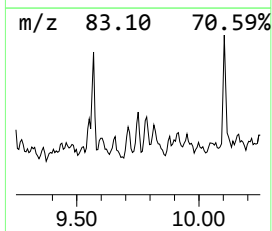
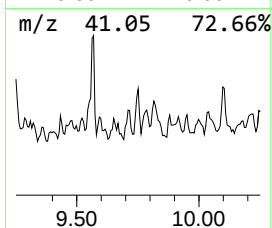
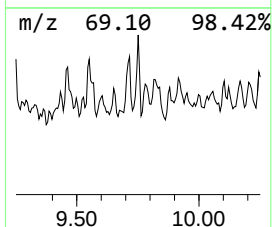
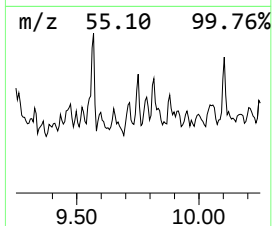
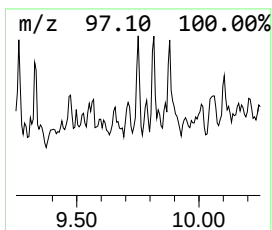
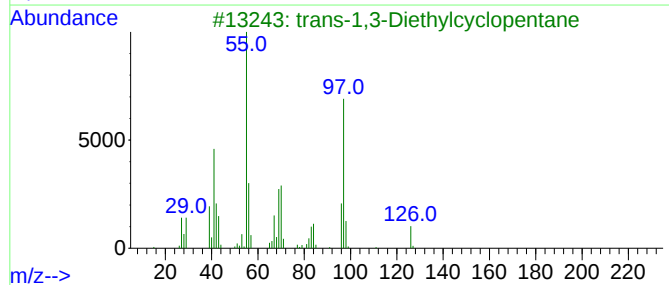
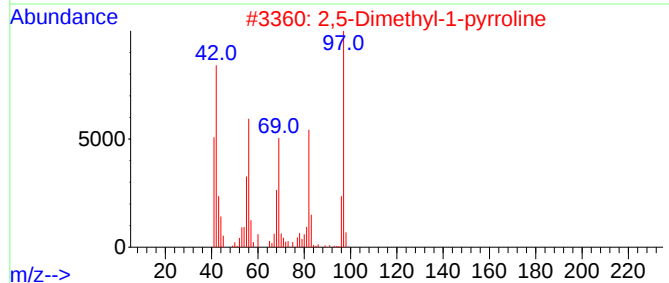
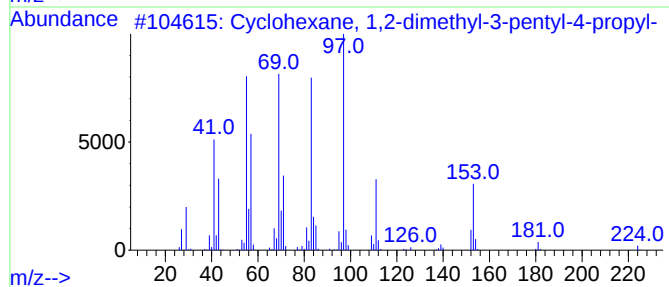
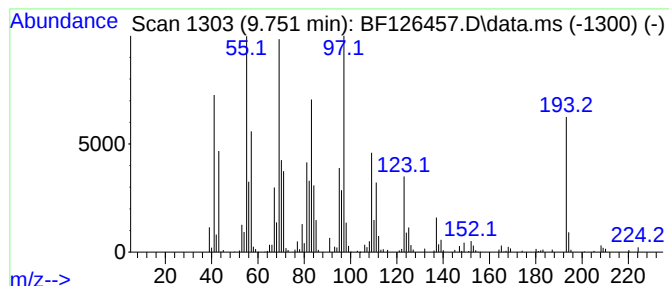
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TIC Integration Parameters: LSCINT.P

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Peak Number 13 Cyclohexane, 1,2-dimethyl-3... Concentration Rank 12

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 9.751 | 6.76 ng | 346669 | Acenaphthene-d10 | 9.833 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|---------|--------------|------|
| 1    |    |   | Cyclohexane, 1,2-dimethyl-3-pent... | 224 | C16H32  | 062376-17-4  | 64   |
| 2    |    |   | 2,5-Dimethyl-1-pyrroline            | 97  | C6H11N  | 000822-64-0  | 35   |
| 3    |    |   | trans-1,3-Diethylcyclopentane       | 126 | C9H18   | 1000113-87-1 | 20   |
| 4    |    |   | 1,1'-Bicyclohexyl, 2-ethyl-, cis-   | 194 | C14H26  | 050991-12-3  | 18   |
| 5    |    |   | 2-Propen-1-one, 1-cyclopropyl-      | 96  | C6H8O   | 059819-62-4  | 18   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010322\  
Data File : BF126457.D  
Acq On : 3 Jan 2022 15:47  
Operator : JU/CG  
Sample : M5241-04  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-2D

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122921.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

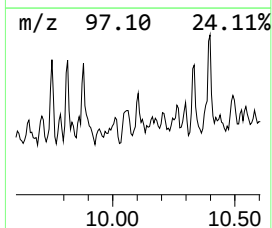
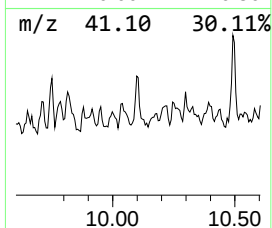
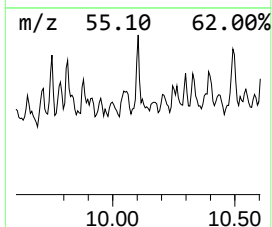
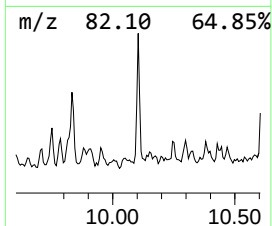
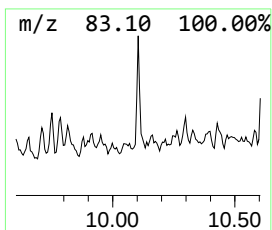
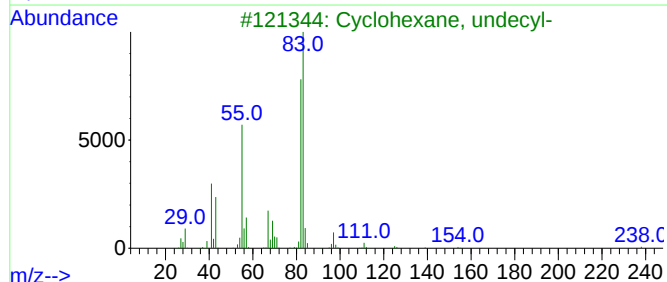
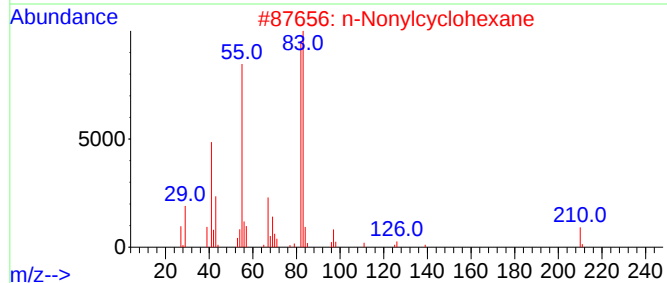
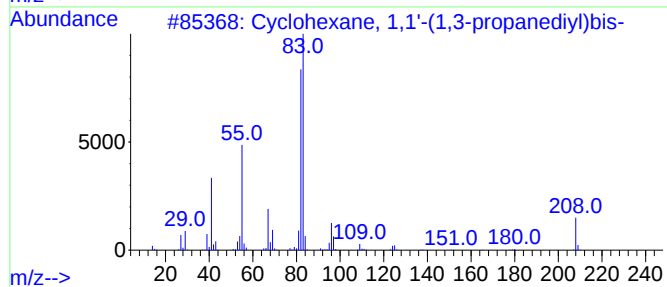
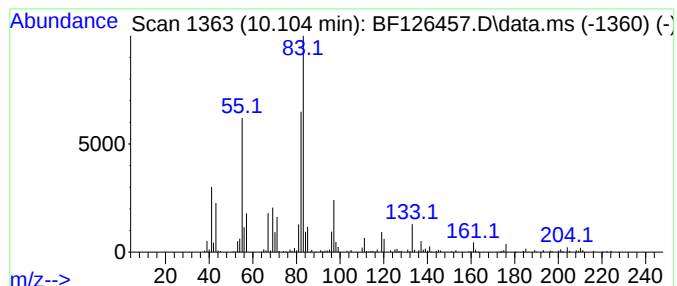
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Peak Number 14 Cyclohexane, 1,1'-(1,3-prop... Concentration Rank 10

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.  |
|--------|---------|--------|------------------|-------|
| 10.104 | 9.13 ng | 468554 | Acenaphthene-d10 | 9.833 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|------|-------------------------------------|-----|---------|-------------|------|
| 1    |      | Cyclohexane, 1,1'-(1,3-propanedi... | 208 | C15H28  | 003178-24-3 | 62   |
| 2    |      | n-Nonylcyclohexane                  | 210 | C15H30  | 002883-02-5 | 53   |
| 3    |      | Cyclohexane, undecyl-               | 238 | C17H34  | 054105-66-7 | 53   |
| 4    |      | Cyclohexane, propyl-                | 126 | C9H18   | 001678-92-8 | 52   |
| 5    |      | Cyclohexane, pentyl-                | 154 | C11H22  | 004292-92-6 | 50   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010322\  
Data File : BF126457.D  
Acq On : 3 Jan 2022 15:47  
Operator : JU/CG  
Sample : M5241-04  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-2D

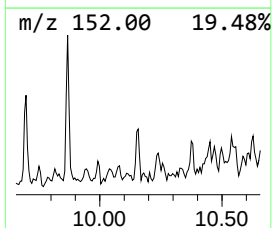
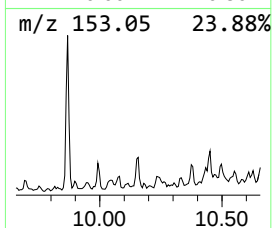
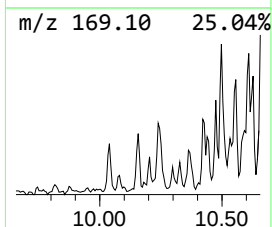
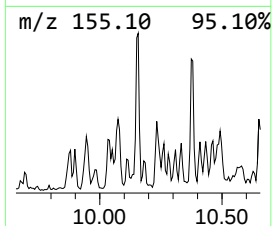
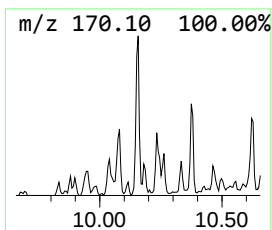
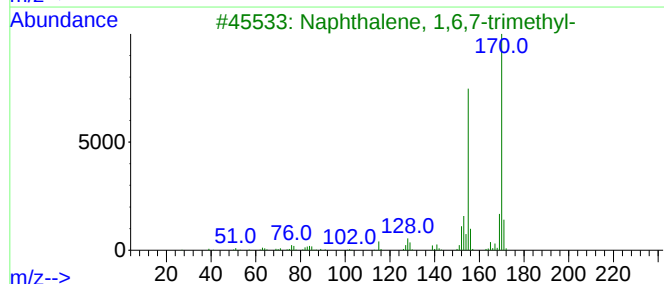
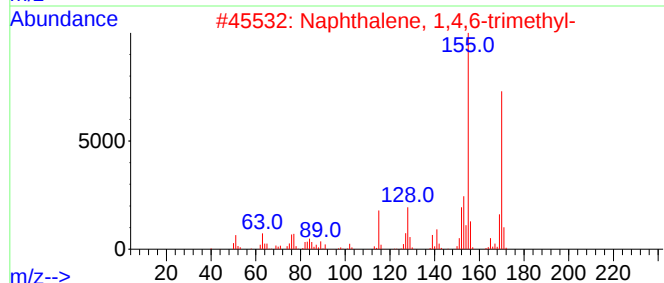
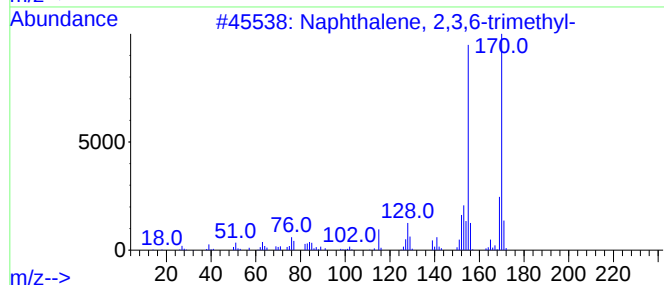
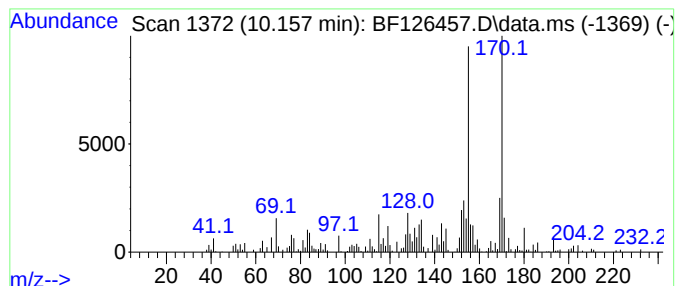
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 15 Naphthalene, 2,3,6-trimethyl- Concentration Rank 20

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.  |
|--------|---------|--------|------------------|-------|
| 10.157 | 4.70 ng | 241234 | Acenaphthene-d10 | 9.833 |

| Hit# | of | 5 | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 2,3,6-trimethyl- | 170 | C13H14  | 000829-26-5 | 98   |
| 2    |    |   | Naphthalene, 1,4,6-trimethyl- | 170 | C13H14  | 002131-42-2 | 97   |
| 3    |    |   | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14  | 002245-38-7 | 95   |
| 4    |    |   | 4,6,8-Trimethylazulene        | 170 | C13H14  | 000941-81-1 | 90   |
| 5    |    |   | Naphthalene, 1,4,5-trimethyl- | 170 | C13H14  | 002131-41-1 | 90   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010322\  
Data File : BF126457.D  
Acq On : 3 Jan 2022 15:47  
Operator : JU/CG  
Sample : M5241-04  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-2D

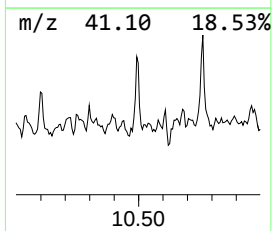
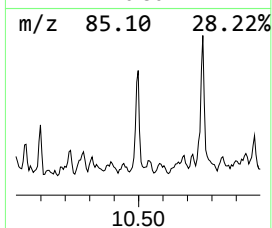
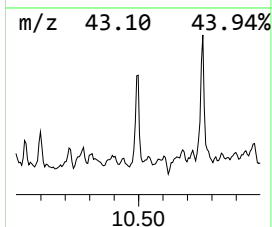
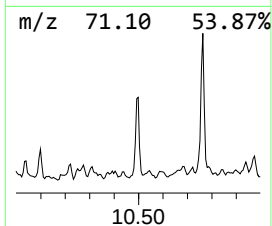
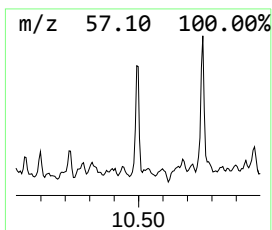
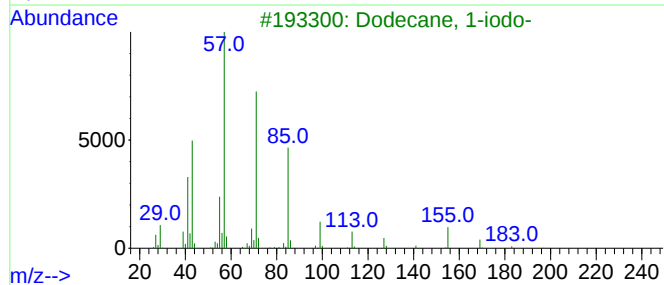
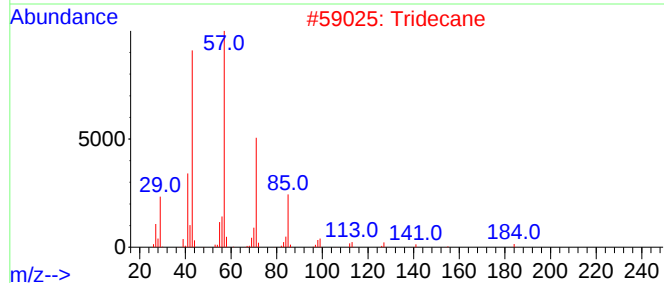
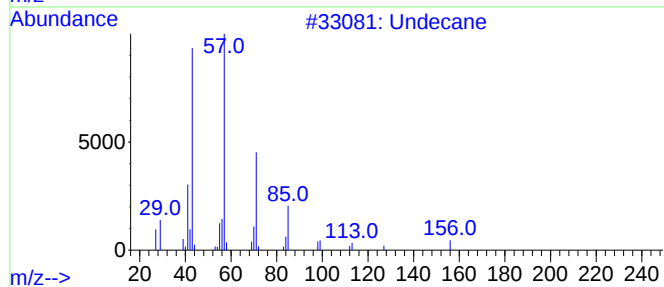
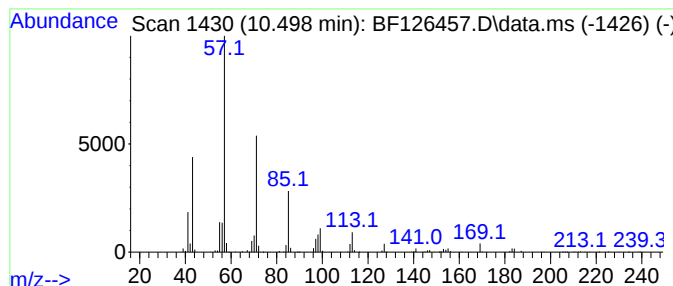
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 16 Undecane Concentration Rank 5

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.  |
|--------|----------|--------|------------------|-------|
| 10.498 | 15.28 ng | 783754 | Acenaphthene-d10 | 9.833 |

| Hit# | of                                  | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|-------------------------------------|---|--------------|-----|---------|-------------|------|
| 1    | Undecane                            |   |              | 156 | C11H24  | 001120-21-4 | 87   |
| 2    | Tridecane                           |   |              | 184 | C13H28  | 000629-50-5 | 72   |
| 3    | Dodecane, 1-iodo-                   |   |              | 296 | C12H25I | 004292-19-7 | 72   |
| 4    | Dodecane, 2,7,10-trimethyl-         |   |              | 212 | C15H32  | 074645-98-0 | 72   |
| 5    | Heptadecane, 2,6,10,15-tetramethyl- |   |              | 296 | C21H44  | 054833-48-6 | 64   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010322\  
Data File : BF126457.D  
Acq On : 3 Jan 2022 15:47  
Operator : JU/CG  
Sample : M5241-04  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-2D

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122921.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

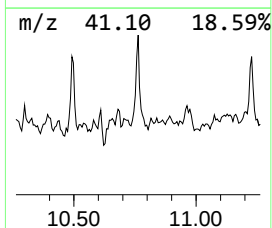
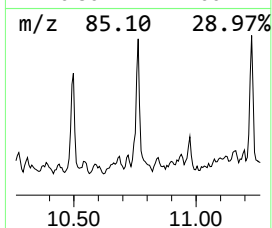
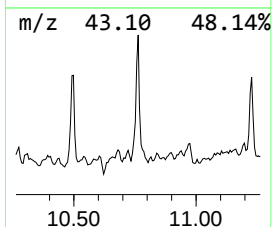
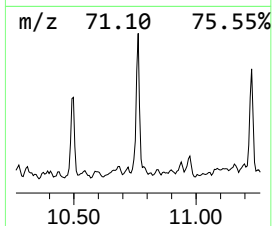
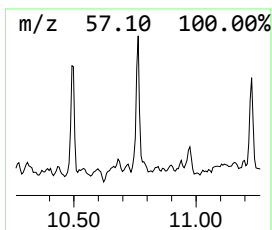
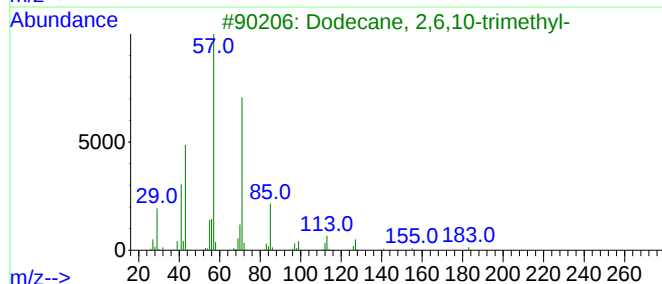
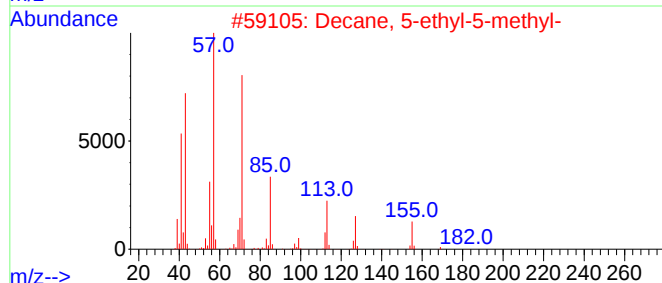
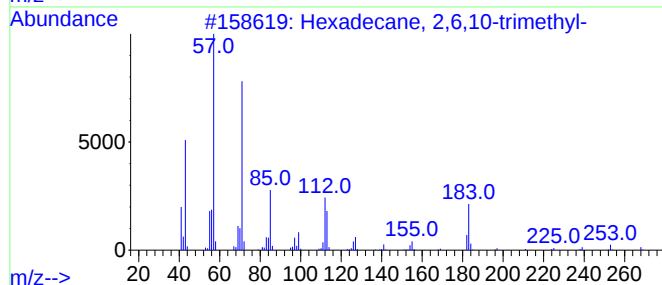
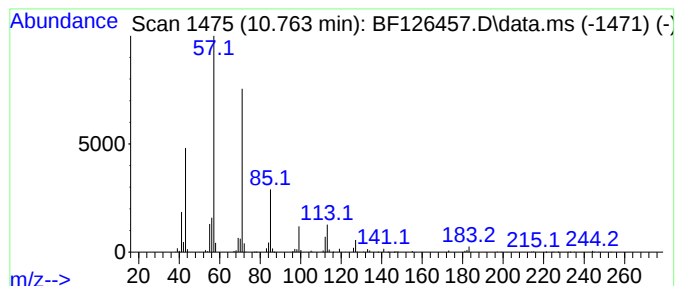
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 17 Hexadecane, 2,6,10-trimethyl- Concentration Rank 1

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 10.763 | 44.95 ng | 1316940 | Phenanthrene-d10 | 11.322 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Hexadecane, 2,6,10-trimethyl-       | 268 | C19H40    | 055000-52-7  | 83   |
| 2    |    |   | Decane, 5-ethyl-5-methyl-           | 184 | C13H28    | 017312-74-2  | 78   |
| 3    |    |   | Dodecane, 2,6,10-trimethyl-         | 212 | C15H32    | 003891-98-3  | 78   |
| 4    |    |   | Sulfurous acid, di(2-ethylhexyl)... | 306 | C16H34O3S | 1000309-19-1 | 64   |
| 5    |    |   | Octane, 3,6-dimethyl-               | 142 | C10H22    | 015869-94-0  | 59   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010322\  
Data File : BF126457.D  
Acq On : 3 Jan 2022 15:47  
Operator : JU/CG  
Sample : M5241-04  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-2D

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122921.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

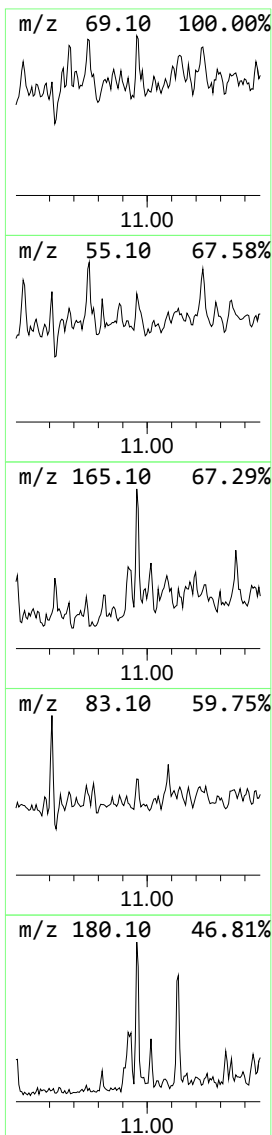
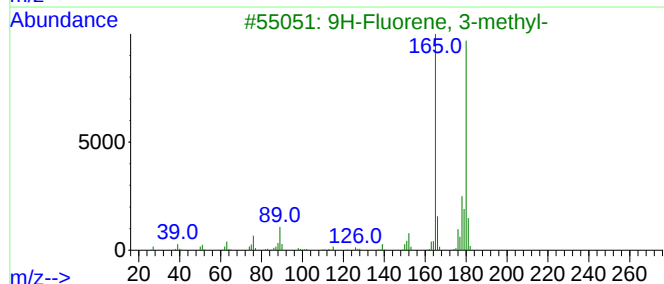
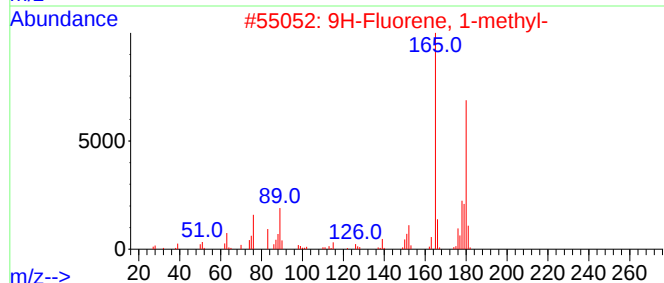
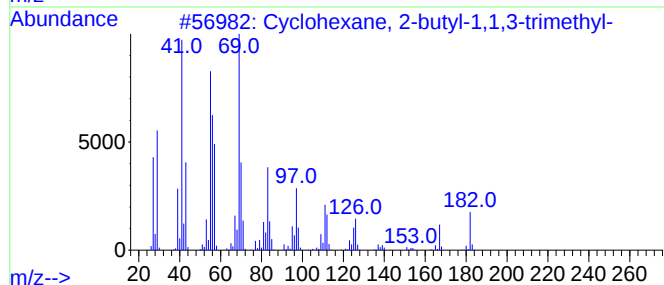
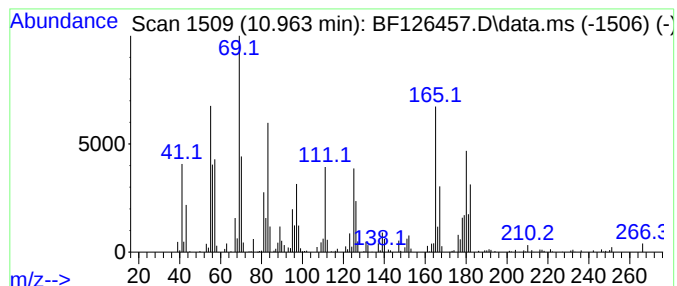
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TIC Integration Parameters: LSCINT.P

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Peak Number 18 unknown10.963 Concentration Rank 6

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.   |
|--------|----------|--------|------------------|--------|
| 10.963 | 14.42 ng | 422560 | Phenanthrene-d10 | 11.322 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|------|-------------------------------------|-----|---------|-------------|------|
| 1    |      | Cyclohexane, 2-butyl-1,1,3-trime... | 182 | C13H26  | 054676-39-0 | 49   |
| 2    |      | 9H-Fluorene, 1-methyl-              | 180 | C14H12  | 001730-37-6 | 41   |
| 3    |      | 9H-Fluorene, 3-methyl-              | 180 | C14H12  | 002523-39-9 | 40   |
| 4    |      | 6-Dodecene, (E)-                    | 168 | C12H24  | 007206-17-9 | 35   |
| 5    |      | 4-Nonene, 5-butyl-                  | 182 | C13H26  | 007367-38-6 | 30   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010322\  
Data File : BF126457.D  
Acq On : 3 Jan 2022 15:47  
Operator : JU/CG  
Sample : M5241-04  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-2D

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122921.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

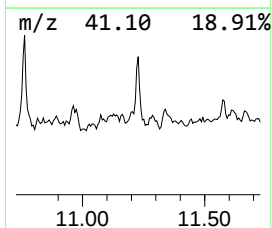
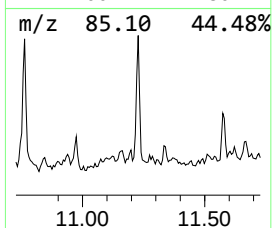
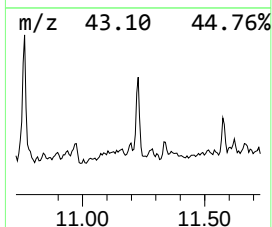
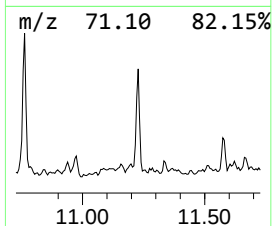
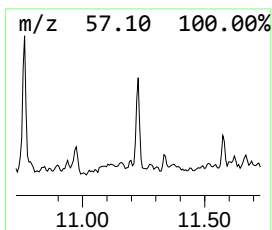
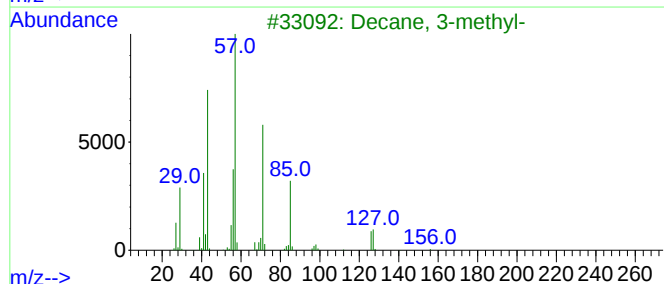
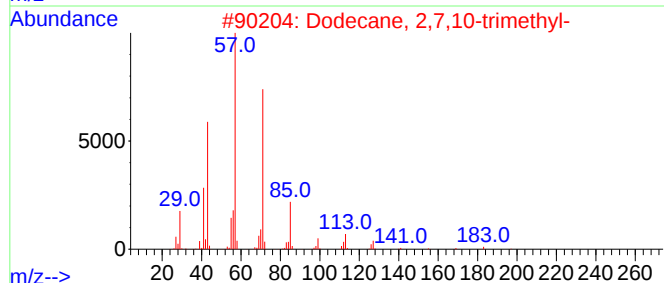
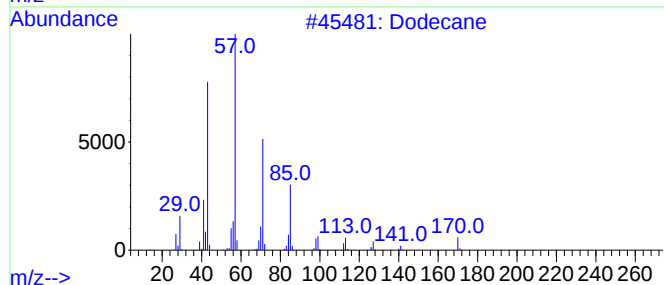
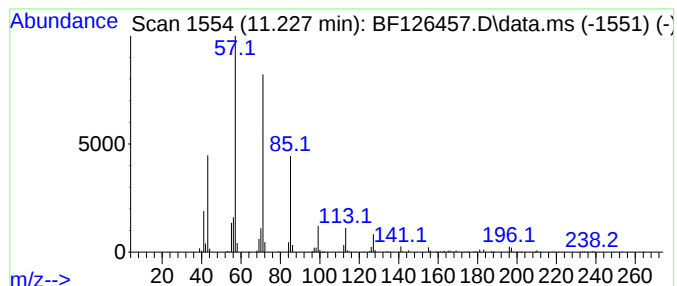
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Peak Number 19 Dodecane Concentration Rank 2

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.   |
|--------|----------|--------|------------------|--------|
| 11.227 | 29.79 ng | 872851 | Phenanthrene-d10 | 11.322 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Dodecane                            | 170 | C12H26    | 000112-40-3  | 83   |
| 2    |    |   | Dodecane, 2,7,10-trimethyl-         | 212 | C15H32    | 074645-98-0  | 80   |
| 3    |    |   | Decane, 3-methyl-                   | 156 | C11H24    | 013151-34-3  | 80   |
| 4    |    |   | Undecane, 5-ethyl-5-propyl-         | 226 | C16H34    | 002755-07-9  | 78   |
| 5    |    |   | Sulfurous acid, 2-ethylhexyl hex... | 278 | C14H30O3S | 1000309-20-2 | 78   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010322\  
Data File : BF126457.D  
Acq On : 3 Jan 2022 15:47  
Operator : JU/CG  
Sample : M5241-04  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-2D

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122921.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

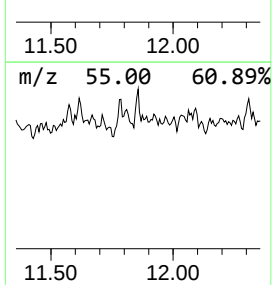
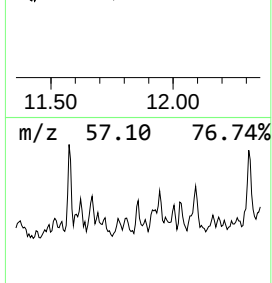
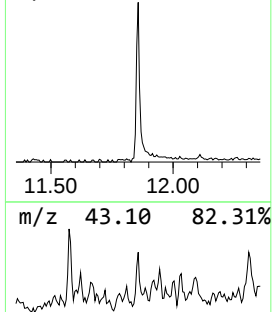
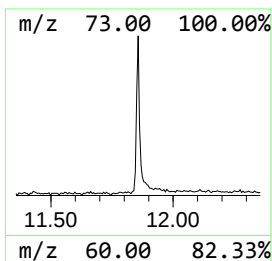
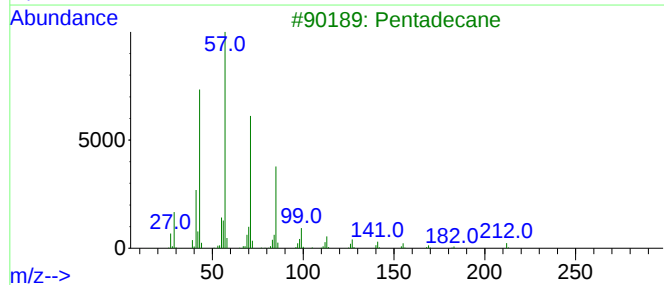
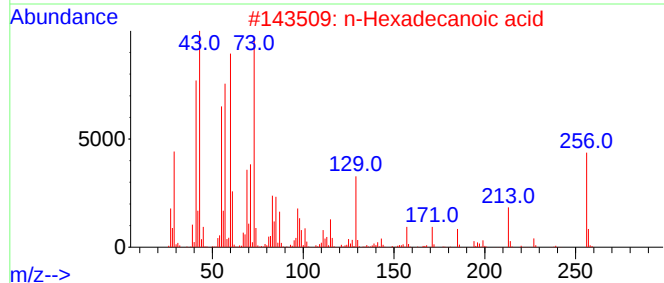
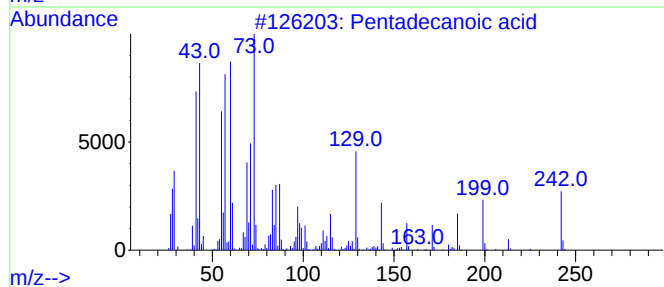
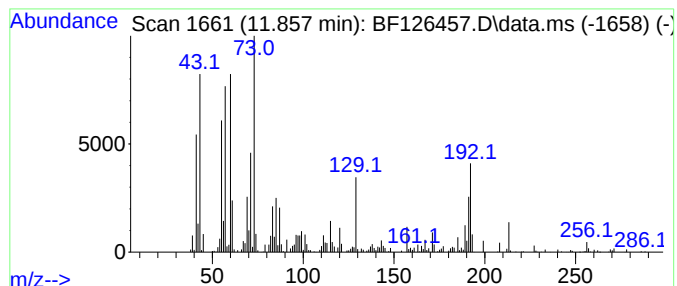
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 20 Pentadecanoic acid Concentration Rank 9

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.   |
|--------|----------|--------|------------------|--------|
| 11.857 | 11.08 ng | 324491 | Phenanthrene-d10 | 11.322 |

| Hit# | of | 5 | Tentative ID          | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-----------------------|-----|----------|-------------|------|
| 1    |    |   | Pentadecanoic acid    | 242 | C15H30O2 | 001002-84-2 | 83   |
| 2    |    |   | n-Hexadecanoic acid   | 256 | C16H32O2 | 000057-10-3 | 81   |
| 3    |    |   | Pentadecane           | 212 | C15H32   | 000629-62-9 | 53   |
| 4    |    |   | Heptadecane           | 240 | C17H36   | 000629-78-7 | 25   |
| 5    |    |   | Hexadecane, 1-chloro- | 260 | C16H33Cl | 004860-03-1 | 25   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010322\  
 Data File : BF126457.D  
 Acq On : 3 Jan 2022 15:47  
 Operator : JU/CG  
 Sample : M5241-04  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-2D

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122921.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 |
| Nonane, 3-methyl-  | 6.051  | 5.2     | ng    | 183253   | 1                     | 6.798  | 710838  | 20.0 |
| 2-Octene, 2,6-d... | 6.334  | 5.5     | ng    | 197190   | 1                     | 6.798  | 710838  | 20.0 |
| 1-Ethyl-2,2,6-t... | 7.075  | 5.9     | ng    | 209583   | 1                     | 6.798  | 710838  | 20.0 |
| unknown7.504       | 7.504  | 5.5     | ng    | 279323   | 2                     | 8.081  | 1016890 | 20.0 |
| Cyclohexane, 2-... | 8.292  | 6.6     | ng    | 333657   | 2                     | 8.081  | 1016890 | 20.0 |
| Cyclopentane, 1... | 8.375  | 13.0    | ng    | 659993   | 2                     | 8.081  | 1016890 | 20.0 |
| Octane, 3,6-dim... | 8.510  | 12.5    | ng    | 636545   | 2                     | 8.081  | 1016890 | 20.0 |
| 3-Heptene, 2,6-... | 8.628  | 8.4     | ng    | 427125   | 2                     | 8.081  | 1016890 | 20.0 |
| Cyclohexane, oc... | 8.992  | 5.5     | ng    | 281215   | 3                     | 9.833  | 1025870 | 20.0 |
| Carbonic acid, ... | 9.245  | 15.4    | ng    | 791216   | 3                     | 9.833  | 1025870 | 20.0 |
| Carbonic acid, ... | 9.569  | 18.8    | ng    | 964122   | 3                     | 9.833  | 1025870 | 20.0 |
| 3-Eicosene, (E)-   | 9.710  | 5.1     | ng    | 261346   | 3                     | 9.833  | 1025870 | 20.0 |
| Cyclohexane, 1,... | 9.751  | 6.8     | ng    | 346669   | 3                     | 9.833  | 1025870 | 20.0 |
| Cyclohexane, 1,... | 10.104 | 9.1     | ng    | 468554   | 3                     | 9.833  | 1025870 | 20.0 |
| Naphthalene, 2,... | 10.157 | 4.7     | ng    | 241234   | 3                     | 9.833  | 1025870 | 20.0 |
| Undecane           | 10.498 | 15.3    | ng    | 783754   | 3                     | 9.833  | 1025870 | 20.0 |
| Hexadecane, 2,6... | 10.763 | 45.0    | ng    | 1316940  | 4                     | 11.322 | 585939  | 20.0 |
| unknown10.963      | 10.963 | 14.4    | ng    | 422560   | 4                     | 11.322 | 585939  | 20.0 |
| Dodecane           | 11.227 | 29.8    | ng    | 872851   | 4                     | 11.322 | 585939  | 20.0 |
| Pentadecanoic acid | 11.857 | 11.1    | ng    | 324491   | 4                     | 11.322 | 585939  | 20.0 |