

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP121624\  
 Data File : BP023444.D  
 Acq On : 16 Dec 2024 21:51  
 Operator : RC/JU  
 Sample : P5234-01  
 Misc : GCMS CONFIRMATION  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 C0AD3

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

Min Area: 0.1 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP112624.MA.M  
 Title : SVOA CALIBRATION

Signal : TIC: BP023444.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 3.016       | 3             | 5           | 10           | rVB      | 2977089        | 2802456       | 100.00%         | 8.451%        |
| 2         | 3.346       | 58            | 61          | 66           | rVB      | 33632          | 35973         | 1.28%           | 0.108%        |
| 3         | 3.816       | 137           | 141         | 146          | rVB2     | 18052          | 25528         | 0.91%           | 0.077%        |
| 4         | 4.234       | 207           | 212         | 219          | rVB      | 13578          | 22273         | 0.79%           | 0.067%        |
| 5         | 4.628       | 275           | 279         | 287          | rVB3     | 12844          | 18982         | 0.68%           | 0.057%        |
| 6         | 5.099       | 353           | 359         | 366          | rBV      | 98597          | 136519        | 4.87%           | 0.412%        |
| 7         | 5.228       | 374           | 381         | 382          | rBV      | 22501          | 31555         | 1.13%           | 0.095%        |
| 8         | 5.587       | 437           | 442         | 450          | rVB4     | 17324          | 31133         | 1.11%           | 0.094%        |
| 9         | 6.046       | 514           | 520         | 527          | rBV      | 163591         | 262885        | 9.38%           | 0.793%        |
| 10        | 6.110       | 527           | 531         | 534          | rVV2     | 13790          | 21890         | 0.78%           | 0.066%        |
| 11        | 6.187       | 540           | 544         | 546          | rVV3     | 10431          | 16962         | 0.61%           | 0.051%        |
| 12        | 6.216       | 546           | 549         | 557          | rVV2     | 11588          | 18162         | 0.65%           | 0.055%        |
| 13        | 6.534       | 599           | 603         | 608          | rVV      | 25834          | 36967         | 1.32%           | 0.111%        |
| 14        | 6.587       | 608           | 612         | 616          | rVB2     | 12839          | 17818         | 0.64%           | 0.054%        |
| 15        | 6.634       | 616           | 620         | 624          | rBV3     | 13853          | 23181         | 0.83%           | 0.070%        |
| 16        | 6.693       | 624           | 630         | 635          | rVV4     | 25651          | 54442         | 1.94%           | 0.164%        |
| 17        | 7.151       | 702           | 708         | 711          | rBV      | 44555          | 71118         | 2.54%           | 0.214%        |
| 18        | 7.181       | 711           | 713         | 720          | rVV2     | 16972          | 26359         | 0.94%           | 0.079%        |
| 19        | 7.340       | 734           | 740         | 746          | rVB7     | 7685           | 18761         | 0.67%           | 0.057%        |
| 20        | 7.434       | 746           | 756         | 761          | rBV8     | 13381          | 38205         | 1.36%           | 0.115%        |
| 21        | 7.528       | 767           | 772         | 787          | rVB      | 619135         | 1103272       | 39.37%          | 3.327%        |
| 22        | 7.640       | 787           | 791         | 793          | rVV4     | 11543          | 17961         | 0.64%           | 0.054%        |
| 23        | 7.698       | 797           | 801         | 805          | rVV5     | 15910          | 25600         | 0.91%           | 0.077%        |
| 24        | 7.769       | 810           | 813         | 815          | rVV4     | 10867          | 16908         | 0.60%           | 0.051%        |
| 25        | 7.793       | 815           | 817         | 824          | rVB6     | 11672          | 18559         | 0.66%           | 0.056%        |
| 26        | 8.004       | 848           | 853         | 856          | rBV2     | 30355          | 50067         | 1.79%           | 0.151%        |
| 27        | 8.057       | 859           | 862         | 866          | rVB      | 26787          | 36585         | 1.31%           | 0.110%        |
| 28        | 8.151       | 872           | 878         | 884          | rBV      | 183413         | 321109        | 11.46%          | 0.968%        |
| 29        | 8.198       | 884           | 886         | 893          | rVB3     | 16188          | 19040         | 0.68%           | 0.057%        |
| 30        | 8.263       | 893           | 897         | 900          | rBV      | 27401          | 36389         | 1.30%           | 0.110%        |
| 31        | 8.310       | 900           | 905         | 911          | rVB      | 53825          | 84925         | 3.03%           | 0.256%        |
| 32        | 8.457       | 924           | 930         | 934          | rBV      | 172982         | 273781        | 9.77%           | 0.826%        |
| 33        | 8.510       | 934           | 939         | 945          | rVB      | 232322         | 357109        | 12.74%          | 1.077%        |
| 34        | 8.604       | 945           | 955         | 963          | rBV      | 762420         | 1165629       | 41.59%          | 3.515%        |
| 35        | 8.687       | 963           | 969         | 972          | rBV3     | 80958          | 168050        | 6.00%           | 0.507%        |
| 36        | 8.722       | 972           | 975         | 985          | rVB      | 96092          | 164320        | 5.86%           | 0.495%        |

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 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 C0AD3

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

Min Area: 0.1 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP112624.MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 37 | 8.845  | 985  | 996  | 1004 | rBV3 | 164661 | 374808  | 13.37% | 1.130% |
| 38 | 8.928  | 1004 | 1010 | 1015 | rBV  | 109018 | 202191  | 7.21%  | 0.610% |
| 39 | 8.975  | 1015 | 1018 | 1026 | rVB5 | 82439  | 182218  | 6.50%  | 0.549% |
| 40 | 9.075  | 1026 | 1035 | 1038 | rBV5 | 61014  | 130058  | 4.64%  | 0.392% |
| 41 | 9.122  | 1038 | 1043 | 1048 | rBV  | 533876 | 799111  | 28.51% | 2.410% |
| 42 | 9.181  | 1048 | 1053 | 1060 | rVB  | 811156 | 1207491 | 43.09% | 3.641% |
| 43 | 9.245  | 1060 | 1064 | 1068 | rVB3 | 13546  | 18581   | 0.66%  | 0.056% |
| 44 | 9.369  | 1075 | 1085 | 1089 | rBV  | 407890 | 731547  | 26.10% | 2.206% |
| 45 | 9.416  | 1089 | 1093 | 1098 | rVB  | 236263 | 367291  | 13.11% | 1.108% |
| 46 | 9.492  | 1098 | 1106 | 1109 | rBV  | 326617 | 582670  | 20.79% | 1.757% |
| 47 | 9.534  | 1109 | 1113 | 1115 | rBV  | 200455 | 264133  | 9.43%  | 0.796% |
| 48 | 9.634  | 1123 | 1130 | 1131 | rBV3 | 176370 | 262134  | 9.35%  | 0.790% |
| 49 | 9.675  | 1131 | 1137 | 1143 | rVV2 | 708197 | 1407440 | 50.22% | 4.244% |
| 50 | 9.745  | 1143 | 1149 | 1155 | rVV2 | 488811 | 885021  | 31.58% | 2.669% |
| 51 | 9.840  | 1155 | 1165 | 1166 | rVV  | 214988 | 376533  | 13.44% | 1.135% |
| 52 | 9.863  | 1166 | 1169 | 1174 | rVV  | 278394 | 450930  | 16.09% | 1.360% |
| 53 | 9.904  | 1174 | 1176 | 1181 | rVV2 | 72006  | 106293  | 3.79%  | 0.321% |
| 54 | 9.975  | 1182 | 1188 | 1195 | rVB  | 443464 | 681216  | 24.31% | 2.054% |
| 55 | 10.045 | 1195 | 1200 | 1205 | rBV  | 27490  | 42313   | 1.51%  | 0.128% |
| 56 | 10.098 | 1205 | 1209 | 1212 | rVV2 | 22852  | 35507   | 1.27%  | 0.107% |
| 57 | 10.163 | 1212 | 1220 | 1228 | rVV6 | 70270  | 237404  | 8.47%  | 0.716% |
| 58 | 10.275 | 1228 | 1239 | 1243 | rVV  | 845749 | 1677810 | 59.87% | 5.059% |
| 59 | 10.322 | 1243 | 1247 | 1254 | rVV2 | 365754 | 810881  | 28.93% | 2.445% |
| 60 | 10.381 | 1254 | 1257 | 1261 | rVV3 | 40496  | 67448   | 2.41%  | 0.203% |
| 61 | 10.422 | 1261 | 1264 | 1269 | rVV3 | 21986  | 35365   | 1.26%  | 0.107% |
| 62 | 10.487 | 1269 | 1275 | 1282 | rVV  | 66503  | 127840  | 4.56%  | 0.385% |
| 63 | 10.563 | 1282 | 1288 | 1292 | rVV8 | 10367  | 18877   | 0.67%  | 0.057% |
| 64 | 10.634 | 1296 | 1300 | 1303 | rVV3 | 13306  | 19838   | 0.71%  | 0.060% |
| 65 | 10.681 | 1303 | 1308 | 1314 | rVV  | 29828  | 66343   | 2.37%  | 0.200% |
| 66 | 10.928 | 1346 | 1350 | 1353 | rVV5 | 9464   | 19600   | 0.70%  | 0.059% |
| 67 | 11.169 | 1386 | 1391 | 1398 | rVB6 | 11884  | 23474   | 0.84%  | 0.071% |
| 68 | 11.281 | 1405 | 1410 | 1414 | rBV3 | 23112  | 42479   | 1.52%  | 0.128% |
| 69 | 11.686 | 1474 | 1479 | 1485 | rBV4 | 13055  | 26284   | 0.94%  | 0.079% |
| 70 | 12.328 | 1582 | 1588 | 1592 | rBV8 | 10869  | 25425   | 0.91%  | 0.077% |
| 71 | 12.539 | 1621 | 1624 | 1630 | rVB6 | 11513  | 18978   | 0.68%  | 0.057% |
| 72 | 12.651 | 1639 | 1643 | 1649 | rVB2 | 35070  | 53898   | 1.92%  | 0.163% |
| 73 | 12.892 | 1679 | 1684 | 1687 | rBV3 | 28052  | 42961   | 1.53%  | 0.130% |
| 74 | 13.539 | 1790 | 1794 | 1799 | rVB  | 72027  | 98458   | 3.51%  | 0.297% |
| 75 | 13.616 | 1802 | 1807 | 1811 | rVB  | 51497  | 69540   | 2.48%  | 0.210% |
| 76 | 13.869 | 1846 | 1850 | 1855 | rBV7 | 34247  | 66085   | 2.36%  | 0.199% |

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 Misc : GCMS CONFIRMATION  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 C0AD3

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

Min Area: 0.1 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP112624.MA.M  
 Title : SVOA CALIBRATION

|     |        |      |      |      |      |         |         |        |        |
|-----|--------|------|------|------|------|---------|---------|--------|--------|
| 77  | 13.951 | 1861 | 1864 | 1872 | rVB2 | 75802   | 121946  | 4.35%  | 0.368% |
| 78  | 14.033 | 1874 | 1878 | 1884 | rBV6 | 22830   | 46474   | 1.66%  | 0.140% |
| 79  | 14.104 | 1885 | 1890 | 1891 | rBV4 | 33004   | 50144   | 1.79%  | 0.151% |
| 80  | 14.151 | 1892 | 1898 | 1905 | rVB  | 1248832 | 1953940 | 69.72% | 5.892% |
| 81  | 14.669 | 1983 | 1986 | 1994 | rVB6 | 32367   | 54376   | 1.94%  | 0.164% |
| 82  | 14.869 | 2015 | 2020 | 2026 | rBV9 | 34723   | 91931   | 3.28%  | 0.277% |
| 83  | 14.939 | 2028 | 2032 | 2037 | rVB2 | 74032   | 108740  | 3.88%  | 0.328% |
| 84  | 15.427 | 2111 | 2115 | 2120 | rVB  | 104001  | 167008  | 5.96%  | 0.504% |
| 85  | 15.922 | 2190 | 2199 | 2205 | rBV2 | 230948  | 533163  | 19.02% | 1.608% |
| 86  | 16.751 | 2336 | 2340 | 2345 | rVB  | 170110  | 244177  | 8.71%  | 0.736% |
| 87  | 16.816 | 2348 | 2351 | 2355 | rVB  | 196486  | 258139  | 9.21%  | 0.778% |
| 88  | 16.957 | 2369 | 2375 | 2380 | rBV2 | 1451574 | 2263061 | 80.75% | 6.824% |
| 89  | 16.998 | 2380 | 2382 | 2387 | rVB  | 186165  | 267278  | 9.54%  | 0.806% |
| 90  | 17.121 | 2399 | 2403 | 2412 | rVB  | 213172  | 364763  | 13.02% | 1.100% |
| 91  | 17.563 | 2473 | 2478 | 2487 | rVB2 | 280175  | 629824  | 22.47% | 1.899% |
| 92  | 18.051 | 2558 | 2561 | 2566 | rVB2 | 338710  | 462256  | 16.49% | 1.394% |
| 93  | 18.116 | 2568 | 2572 | 2576 | rVV4 | 226271  | 360500  | 12.86% | 1.087% |
| 94  | 18.151 | 2576 | 2578 | 2584 | rVB2 | 150534  | 143148  | 5.11%  | 0.432% |
| 95  | 18.351 | 2609 | 2612 | 2616 | rBV  | 259021  | 377088  | 13.46% | 1.137% |
| 96  | 19.092 | 2735 | 2738 | 2742 | rBV  | 300921  | 406687  | 14.51% | 1.226% |
| 97  | 19.145 | 2743 | 2747 | 2752 | rVB  | 599339  | 866235  | 30.91% | 2.612% |
| 98  | 21.386 | 3123 | 3128 | 3134 | rBV  | 987319  | 1559476 | 55.65% | 4.703% |
| 99  | 24.556 | 3662 | 3667 | 3673 | rVB  | 633855  | 1522824 | 54.34% | 4.592% |
| 100 | 27.256 | 4124 | 4126 | 4127 | rBV  | 122219  | 82556   | 2.95%  | 0.249% |

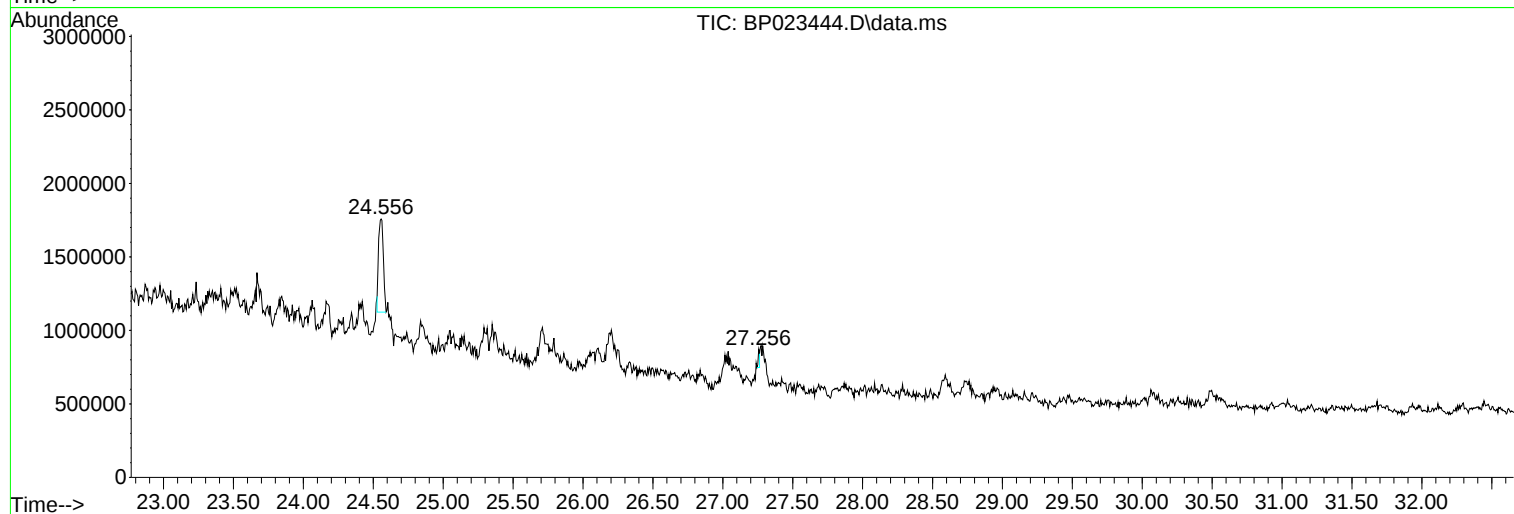
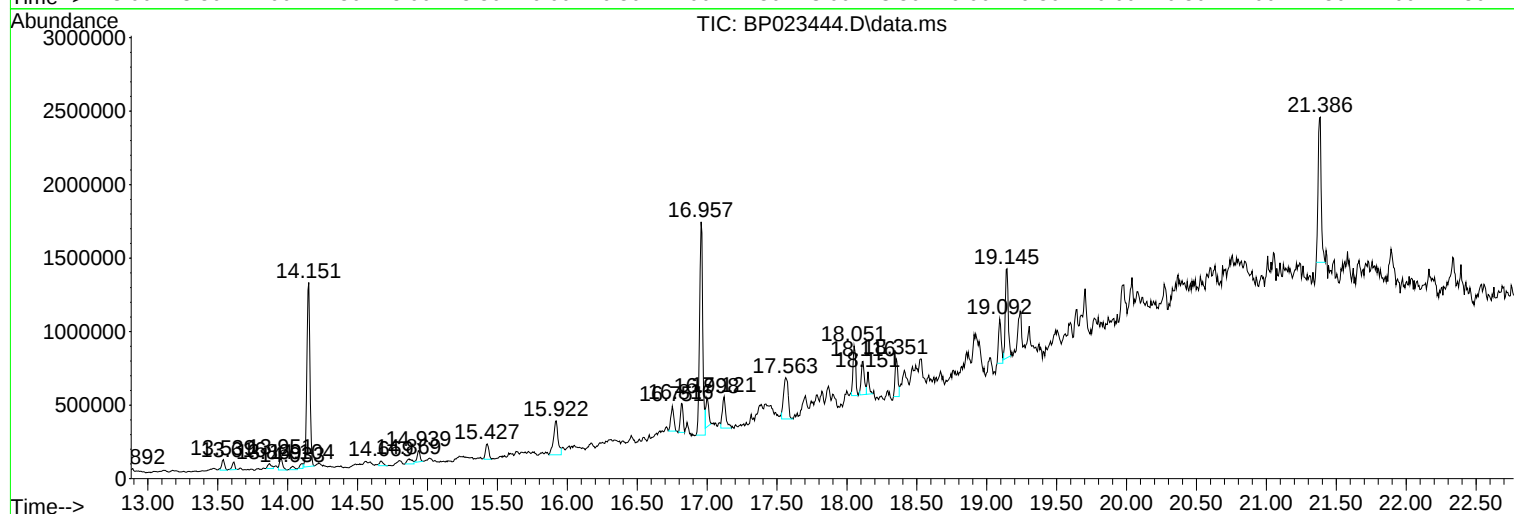
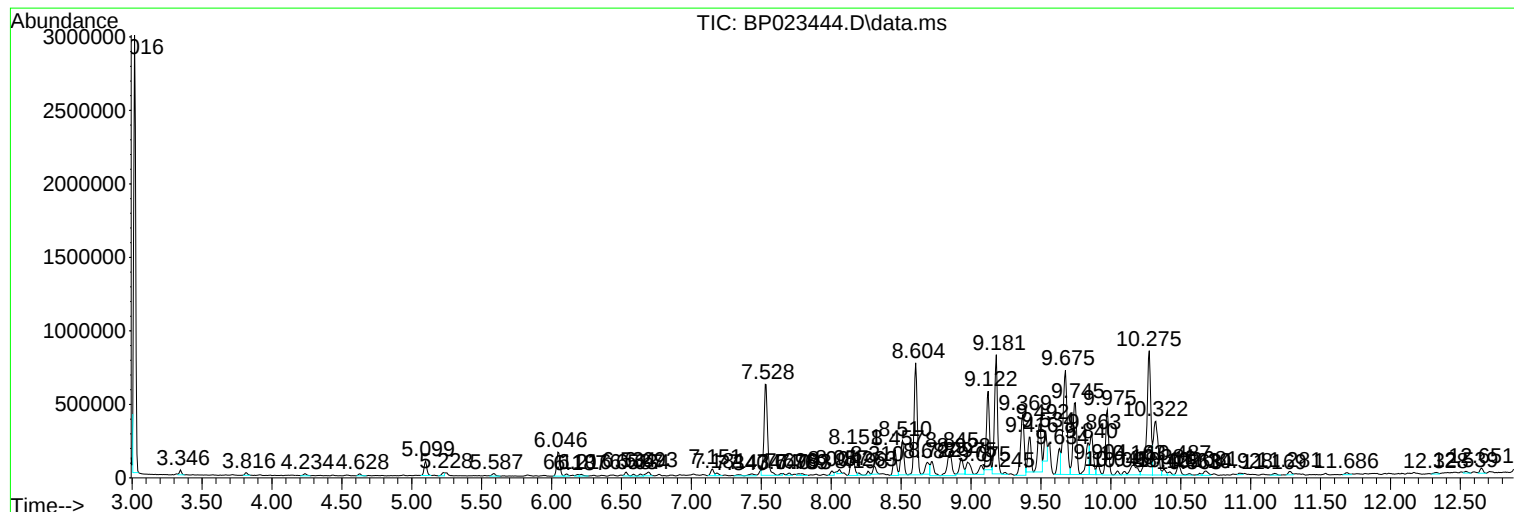
Sum of corrected areas: 33162681

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP121624\  
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Instrument :  
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP112624.MA.M  
Quant Title : SVOA CALIBRATION

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



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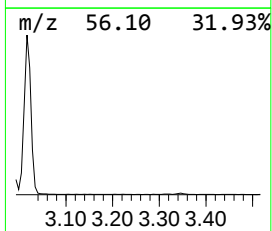
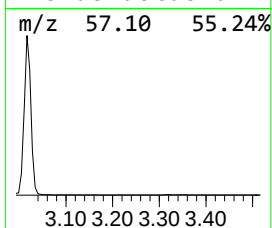
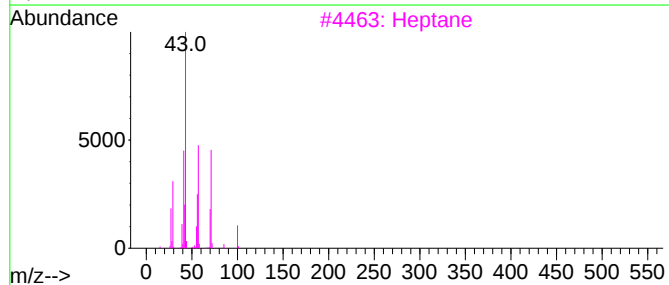
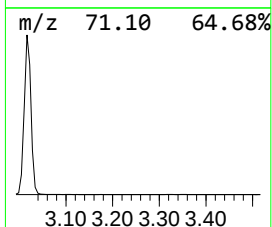
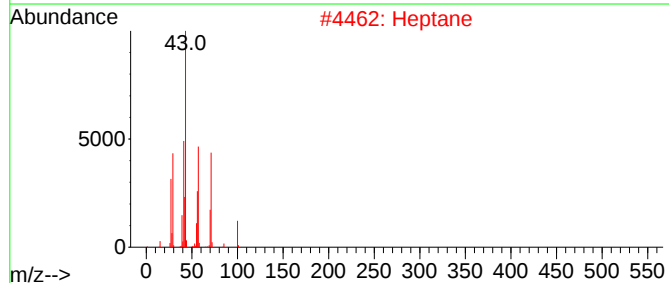
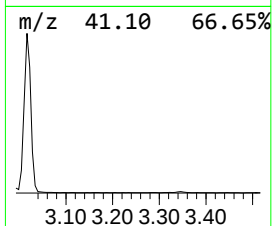
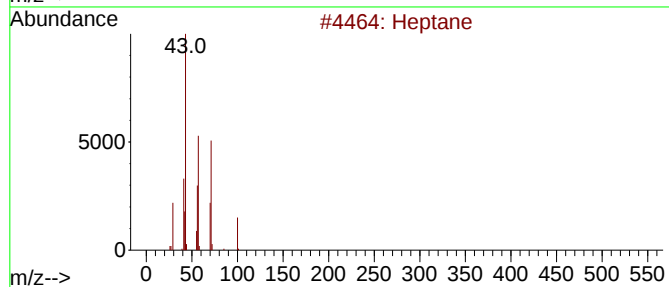
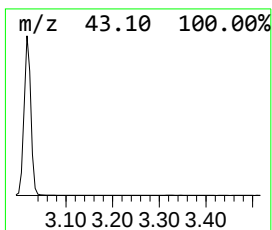
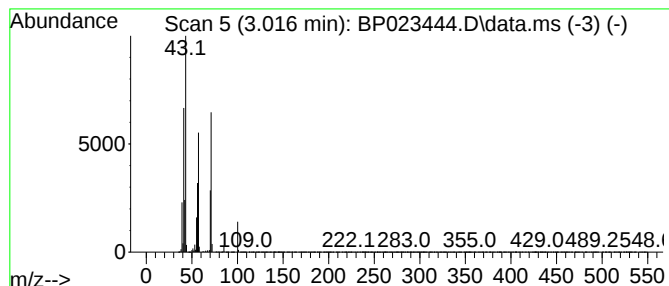
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP112624.MA.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 1

| R.T.      | EstConc                            | Area    | Relative to ISTD       | R.T.         |      |
|-----------|------------------------------------|---------|------------------------|--------------|------|
| 3.016     | 50.80 ng/ul                        | 2802460 | 1,4-Dichlorobenzene-d4 | 7.534        |      |
| Hit# of 5 | Tentative ID                       | MW      | MolForm                | CAS#         | Qual |
| 1         | Heptane                            | 100     | C7H16                  | 000142-82-5  | 91   |
| 2         | Heptane                            | 100     | C7H16                  | 000142-82-5  | 90   |
| 3         | Heptane                            | 100     | C7H16                  | 000142-82-5  | 87   |
| 4         | Heptane                            | 100     | C7H16                  | 000142-82-5  | 86   |
| 5         | Oxalic acid, isobutyl pentyl ester | 216     | C11H20O4               | 1000309-37-0 | 42   |



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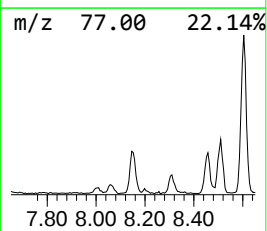
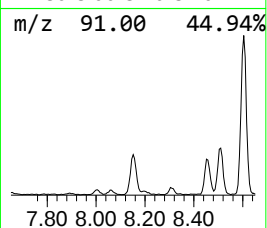
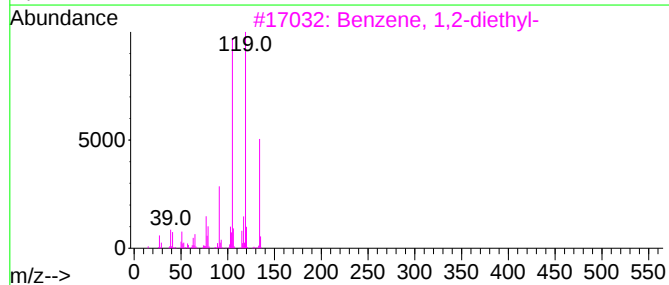
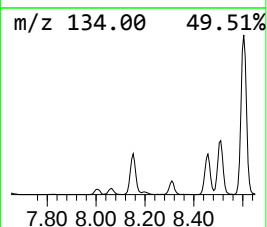
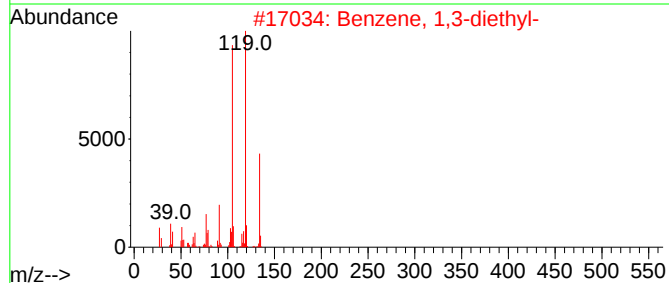
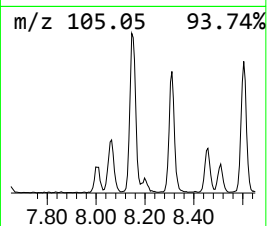
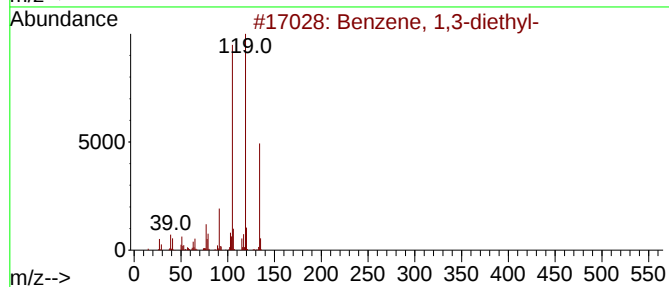
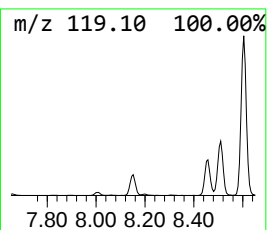
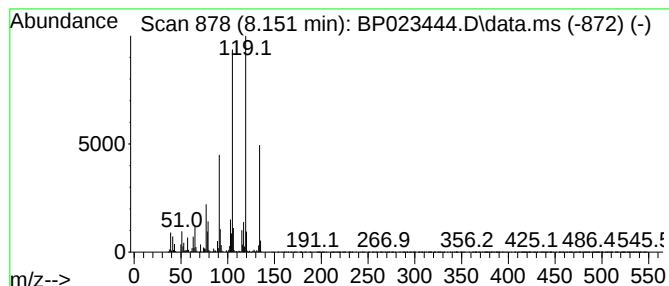
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP112624.MA.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 4 Benzene, 1,3-diethyl- Concentration Rank 13

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 8.151 | 5.82 ng/ul | 321109 | 1,4-Dichlorobenzene-d4 | 7.534 |

| Hit# | of | 5 | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1,3-diethyl- | 134 | C10H14  | 000141-93-5 | 96   |
| 2    |    |   | Benzene, 1,3-diethyl- | 134 | C10H14  | 000141-93-5 | 95   |
| 3    |    |   | Benzene, 1,2-diethyl- | 134 | C10H14  | 000135-01-3 | 94   |
| 4    |    |   | Benzene, 1,4-diethyl- | 134 | C10H14  | 000105-05-5 | 94   |
| 5    |    |   | Benzene, 1,4-diethyl- | 134 | C10H14  | 000105-05-5 | 94   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP121624\  
Data File : BP023444.D  
Acq On : 16 Dec 2024 21:51  
Operator : RC/JU  
Sample : P5234-01  
Misc : GCMS CONFIRMATION  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
C0AD3

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP112624.MA.M  
Quant Title : SVOA CALIBRATION

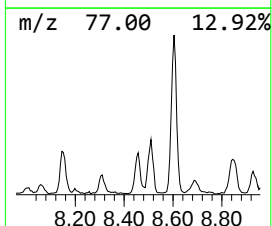
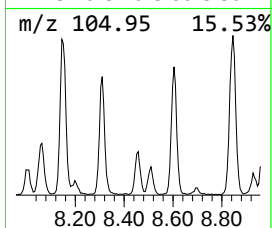
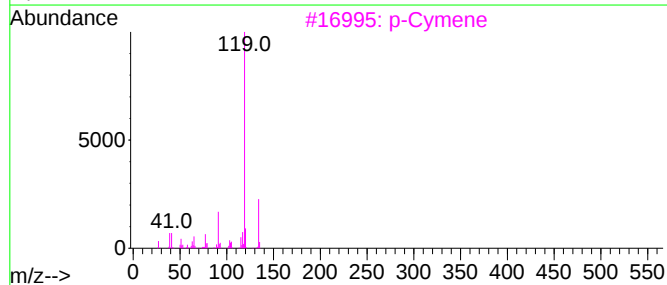
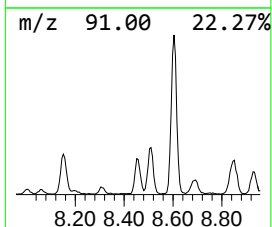
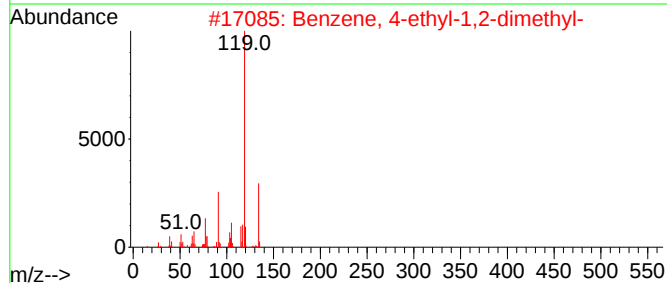
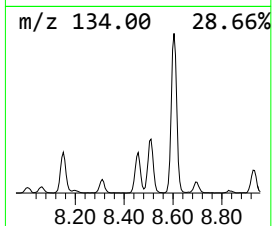
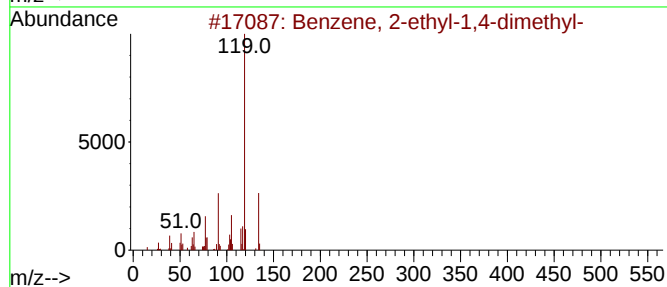
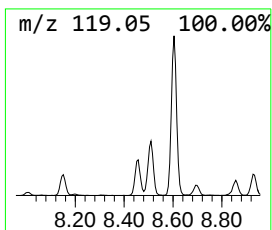
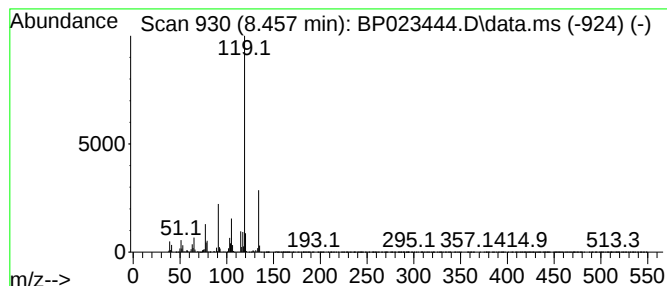
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TIC Integration Parameters: LSCINT.P

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Peak Number 5 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 16

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 8.457 | 4.96 ng/ul | 273781 | 1,4-Dichlorobenzene-d4 | 7.534 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 2-ethyl-1,4-dimethyl-      | 134 | C10H14  | 001758-88-9 | 96   |
| 2    |    |   | Benzene, 4-ethyl-1,2-dimethyl-      | 134 | C10H14  | 000934-80-5 | 95   |
| 3    |    |   | p-Cymene                            | 134 | C10H14  | 000099-87-6 | 95   |
| 4    |    |   | o-Cymene                            | 134 | C10H14  | 000527-84-4 | 95   |
| 5    |    |   | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14  | 000535-77-3 | 94   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP121624\  
Data File : BP023444.D  
Acq On : 16 Dec 2024 21:51  
Operator : RC/JU  
Sample : P5234-01  
Misc : GCMS CONFIRMATION  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
C0AD3

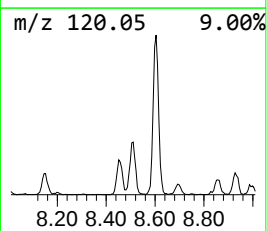
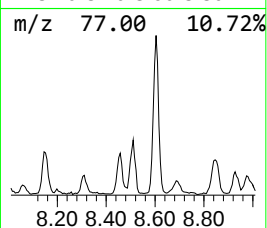
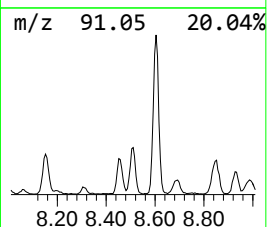
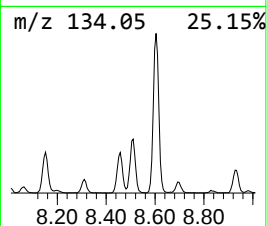
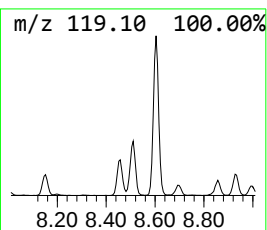
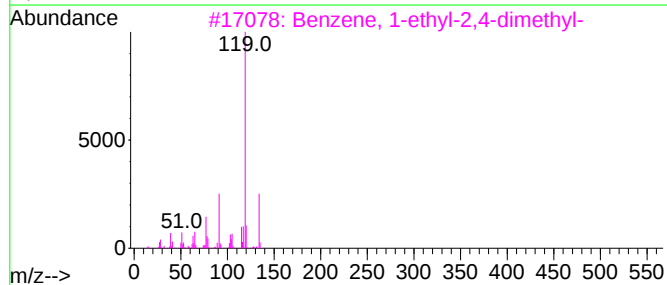
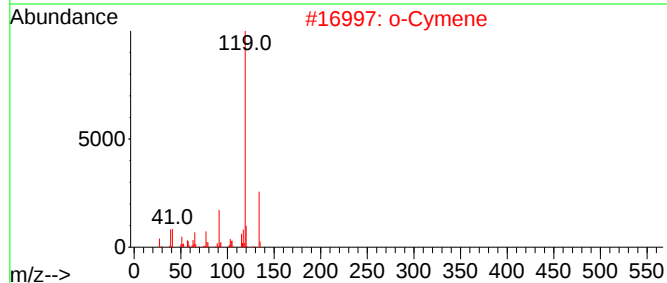
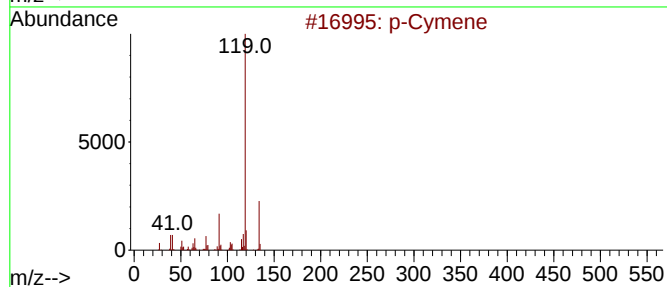
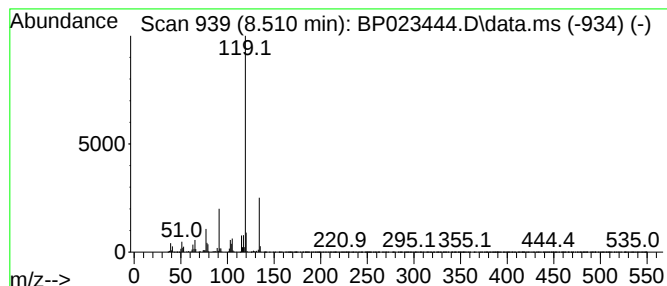
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Quant Title : SVOA CALIBRATION

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

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Peak Number 6 p-Cymene Concentration Rank 12

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 8.510 | 6.47 ng/ul | 357109 | 1,4-Dichlorobenzene-d4 | 7.534 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------|-----|---------|-------------|------|
| 1    |    |   | p-Cymene                       | 134 | C10H14  | 000099-87-6 | 97   |
| 2    |    |   | o-Cymene                       | 134 | C10H14  | 000527-84-4 | 97   |
| 3    |    |   | Benzene, 1-ethyl-2,4-dimethyl- | 134 | C10H14  | 000874-41-9 | 97   |
| 4    |    |   | o-Cymene                       | 134 | C10H14  | 000527-84-4 | 97   |
| 5    |    |   | o-Cymene                       | 134 | C10H14  | 000527-84-4 | 95   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP121624\  
Data File : BP023444.D  
Acq On : 16 Dec 2024 21:51  
Operator : RC/JU  
Sample : P5234-01  
Misc : GCMS CONFIRMATION  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
C0AD3

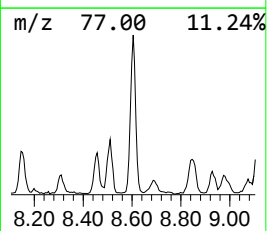
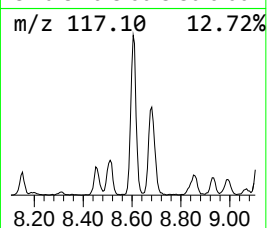
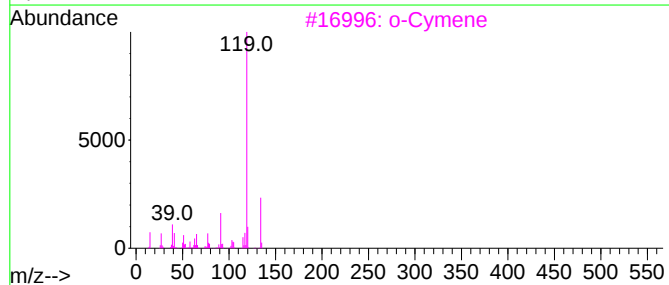
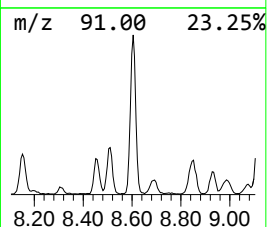
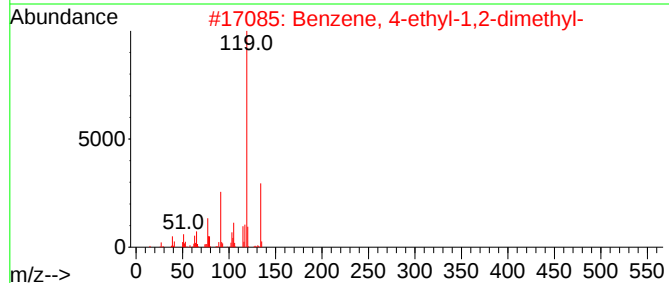
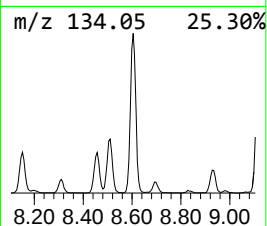
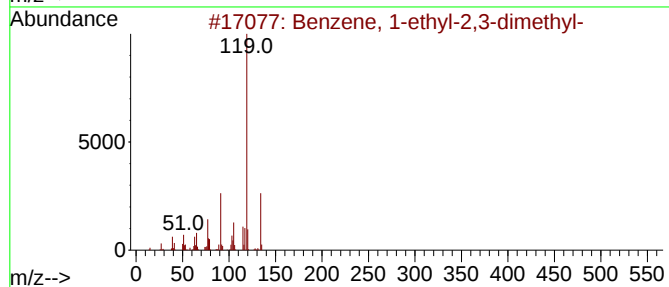
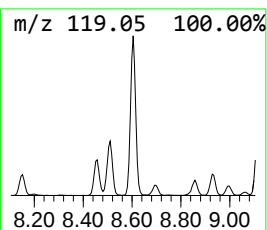
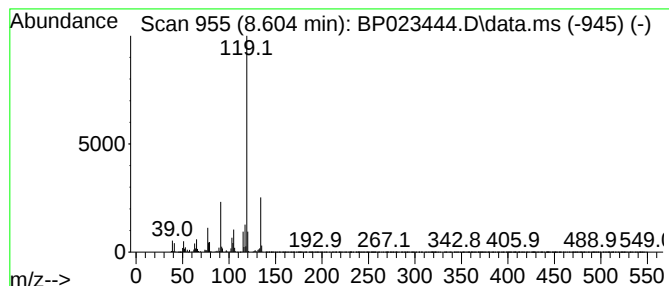
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Quant Title : SVOA CALIBRATION

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

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Peak Number 7 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 2

| R.T.  | EstConc     | Area    | Relative to ISTD       | R.T.  |
|-------|-------------|---------|------------------------|-------|
| 8.604 | 21.13 ng/ul | 1165630 | 1,4-Dichlorobenzene-d4 | 7.534 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14  | 000933-98-2 | 96   |
| 2    |    |   | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14  | 000934-80-5 | 96   |
| 3    |    |   | o-Cymene                       | 134 | C10H14  | 000527-84-4 | 95   |
| 4    |    |   | p-Cymene                       | 134 | C10H14  | 000099-87-6 | 95   |
| 5    |    |   | o-Cymene                       | 134 | C10H14  | 000527-84-4 | 95   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP121624\  
Data File : BP023444.D  
Acq On : 16 Dec 2024 21:51  
Operator : RC/JU  
Sample : P5234-01  
Misc : GCMS CONFIRMATION  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
C0AD3

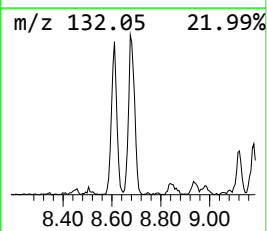
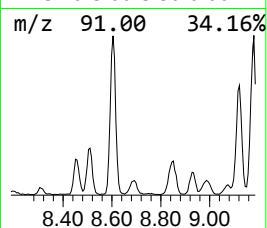
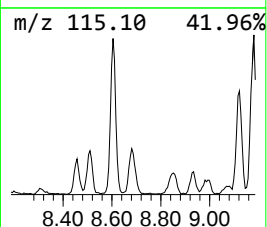
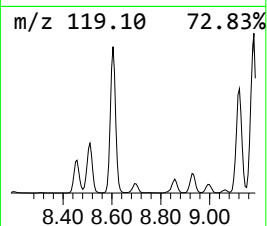
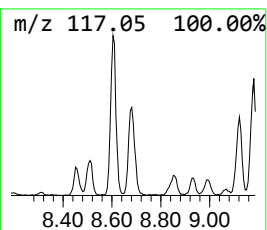
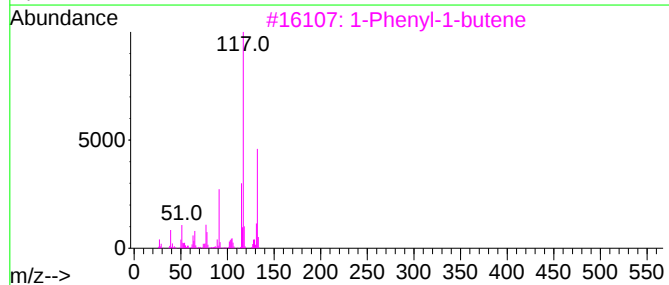
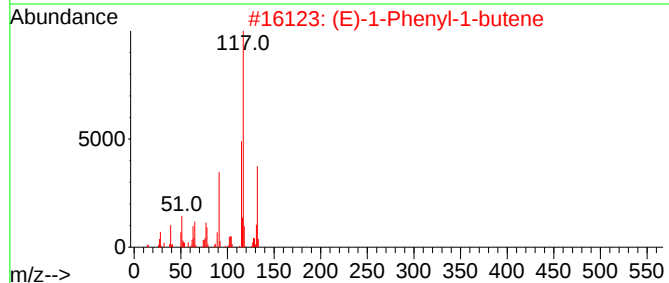
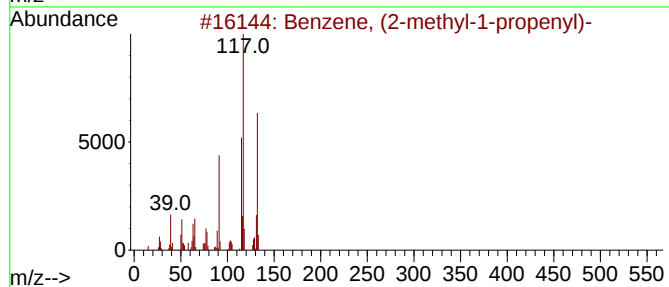
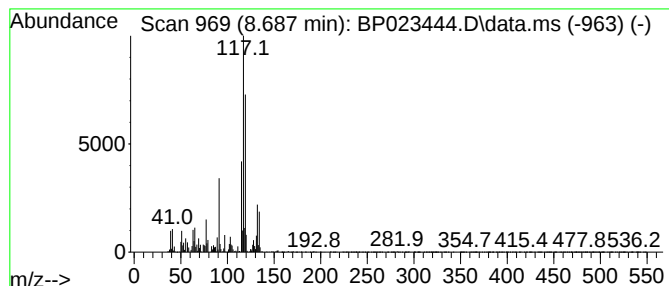
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Quant Title : SVOA CALIBRATION

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

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Peak Number 8 Benzene, (2-methyl-1-propen... Concentration Rank 27

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 8.687 | 3.05 ng/ul | 168050 | 1,4-Dichlorobenzene-d4 | 7.534 |

| Hit# | of | 5 | Tentative ID                    | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, (2-methyl-1-propenyl)- | 132 | C10H12  | 000768-49-0 | 87   |
| 2    |    |   | (E)-1-Phenyl-1-butene           | 132 | C10H12  | 001005-64-7 | 86   |
| 3    |    |   | 1-Phenyl-1-butene               | 132 | C10H12  | 000824-90-8 | 86   |
| 4    |    |   | 3-Phenylbut-1-ene               | 132 | C10H12  | 000934-10-1 | 70   |
| 5    |    |   | Benzene, (2-methyl-1-propenyl)- | 132 | C10H12  | 000768-49-0 | 70   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP121624\  
Data File : BP023444.D  
Acq On : 16 Dec 2024 21:51  
Operator : RC/JU  
Sample : P5234-01  
Misc : GCMS CONFIRMATION  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
C0AD3

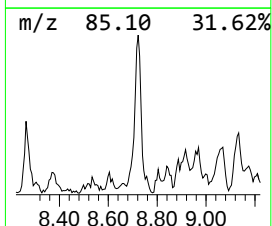
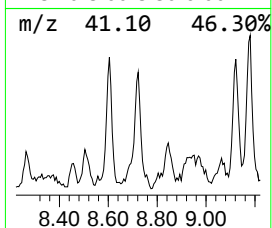
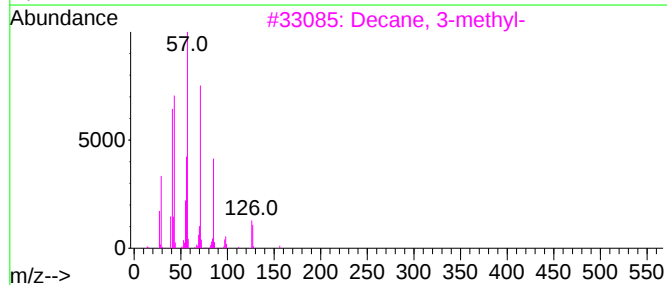
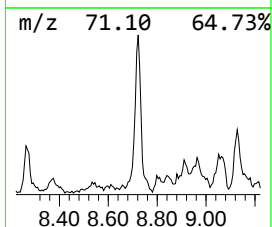
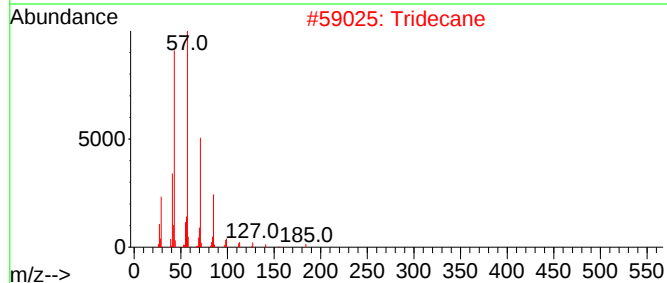
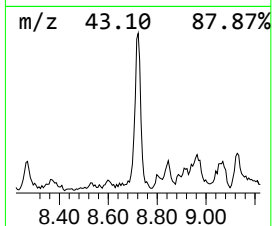
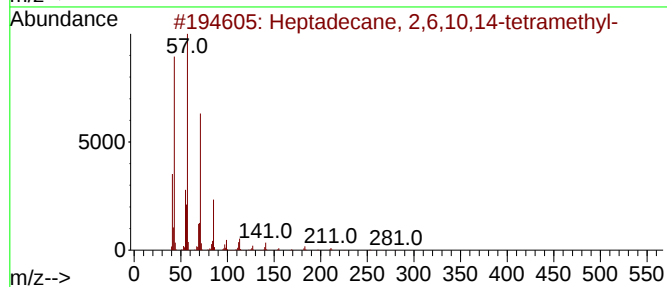
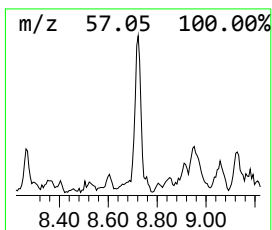
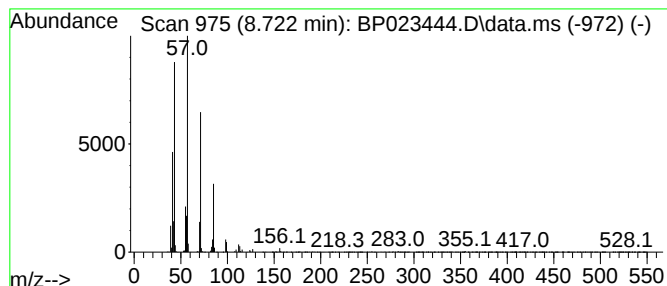
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Quant Title : SVOA CALIBRATION

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

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Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 28

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 8.722 | 2.98 ng/ul | 164320 | 1,4-Dichlorobenzene-d4 | 7.534 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Heptadecane, 2,6,10,14-tetramethyl- | 296 | C21H44   | 018344-37-1  | 87   |
| 2    |    |   | Tridecane                           | 184 | C13H28   | 000629-50-5  | 86   |
| 3    |    |   | Decane, 3-methyl-                   | 156 | C11H24   | 013151-34-3  | 80   |
| 4    |    |   | Carbonic acid, prop-1-en-2-yl te... | 298 | C18H34O3 | 1000382-90-9 | 78   |
| 5    |    |   | Heneicosane, 11-decyl-              | 437 | C31H64   | 055320-06-4  | 72   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP121624\  
Data File : BP023444.D  
Acq On : 16 Dec 2024 21:51  
Operator : RC/JU  
Sample : P5234-01  
Misc : GCMS CONFIRMATION  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
C0AD3

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP112624.MA.M  
Quant Title : SVOA CALIBRATION

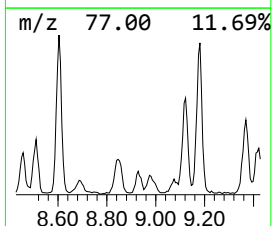
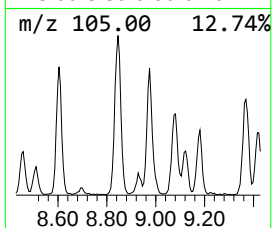
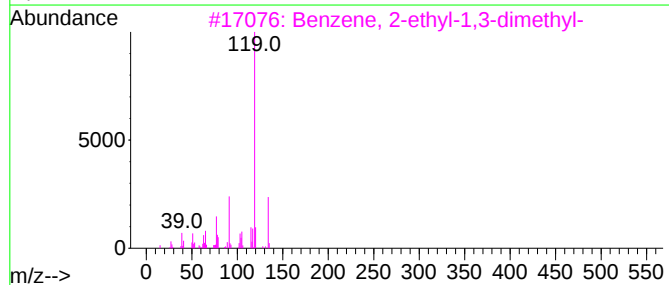
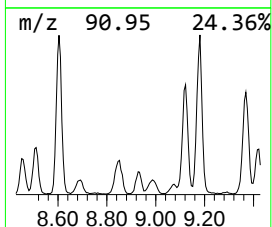
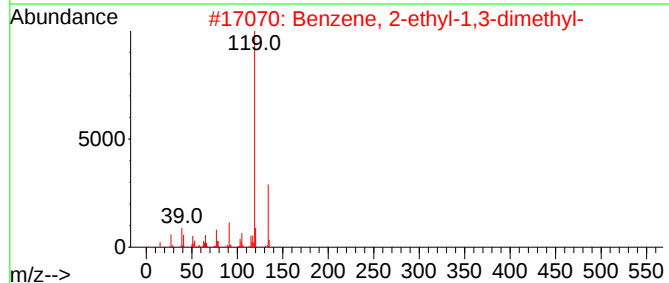
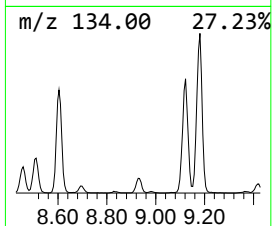
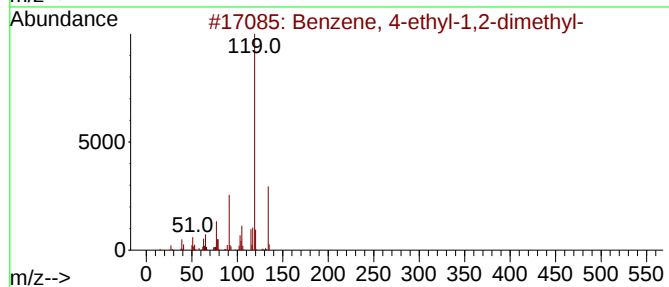
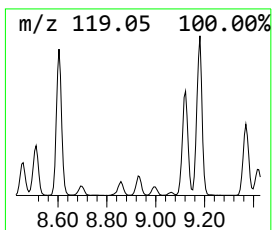
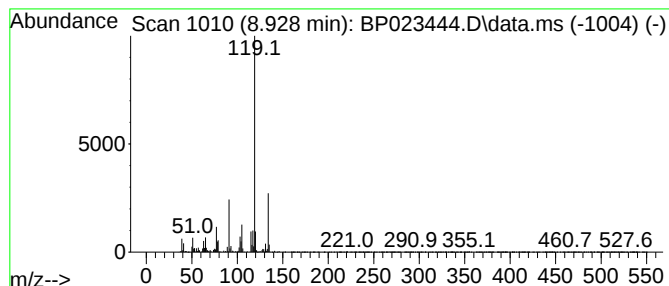
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TIC Integration Parameters: LSCINT.P

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Peak Number 11 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 31

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.   |
|-------|------------|--------|------------------|--------|
| 8.928 | 2.41 ng/ul | 202191 | Naphthalene-d8   | 10.275 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14  | 000934-80-5 | 96   |
| 2    |    |   | Benzene, 2-ethyl-1,3-dimethyl- | 134 | C10H14  | 002870-04-4 | 95   |
| 3    |    |   | Benzene, 2-ethyl-1,3-dimethyl- | 134 | C10H14  | 002870-04-4 | 95   |
| 4    |    |   | Benzene, 1-ethyl-2,4-dimethyl- | 134 | C10H14  | 000874-41-9 | 94   |
| 5    |    |   | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14  | 000933-98-2 | 94   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP121624\  
Data File : BP023444.D  
Acq On : 16 Dec 2024 21:51  
Operator : RC/JU  
Sample : P5234-01  
Misc : GCMS CONFIRMATION  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
C0AD3

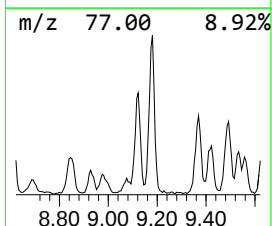
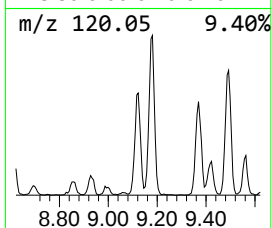
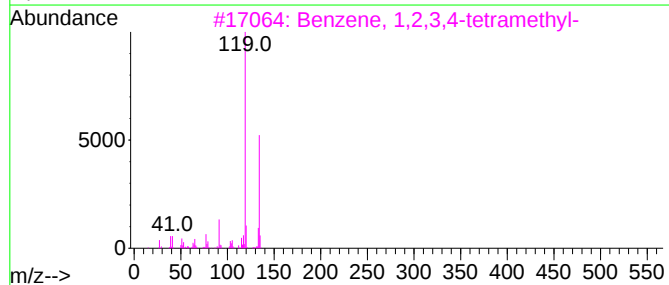
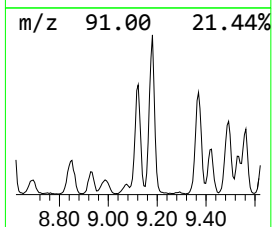
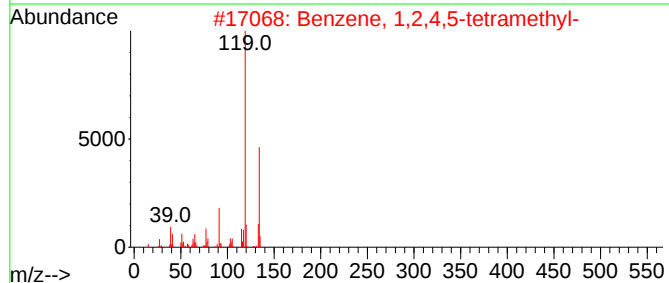
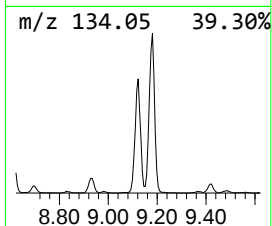
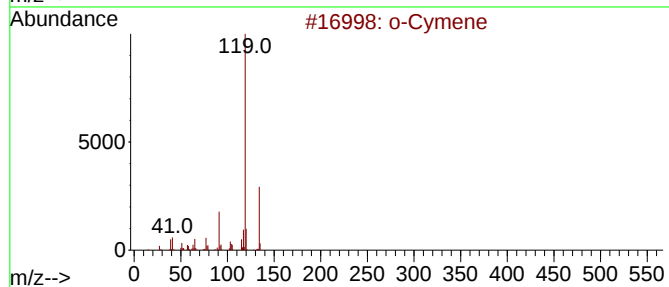
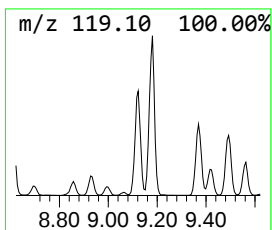
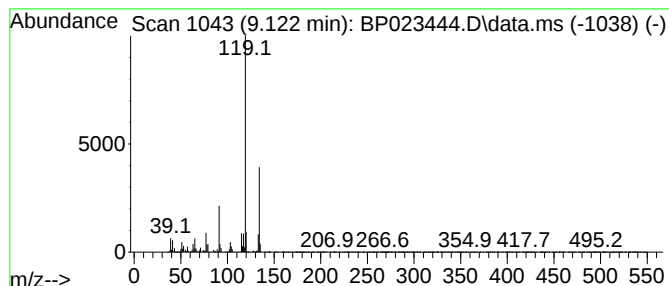
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Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 13 o-Cymene Concentration Rank 6

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.   |
|-------|------------|--------|------------------|--------|
| 9.122 | 9.53 ng/ul | 799111 | Naphthalene-d8   | 10.275 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | o-Cymene                            | 134 | C10H14  | 000527-84-4 | 95   |
| 2    |    |   | Benzene, 1,2,4,5-tetramethyl-       | 134 | C10H14  | 000095-93-2 | 94   |
| 3    |    |   | Benzene, 1,2,3,4-tetramethyl-       | 134 | C10H14  | 000488-23-3 | 94   |
| 4    |    |   | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14  | 000535-77-3 | 91   |
| 5    |    |   | Benzene, 1,2,3,5-tetramethyl-       | 134 | C10H14  | 000527-53-7 | 91   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP121624\  
Data File : BP023444.D  
Acq On : 16 Dec 2024 21:51  
Operator : RC/JU  
Sample : P5234-01  
Misc : GCMS CONFIRMATION  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
C0AD3

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP112624.MA.M  
Quant Title : SVOA CALIBRATION

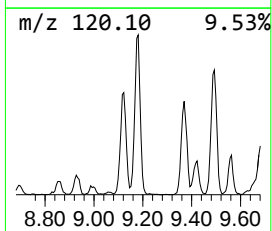
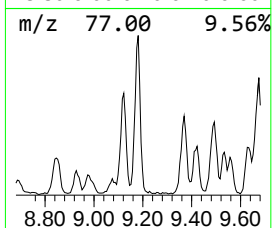
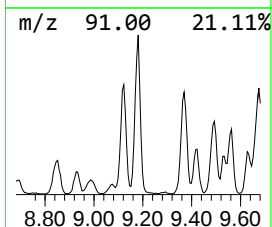
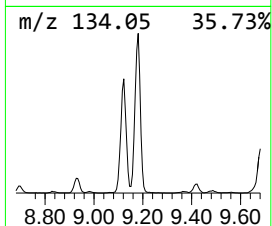
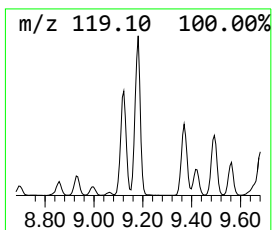
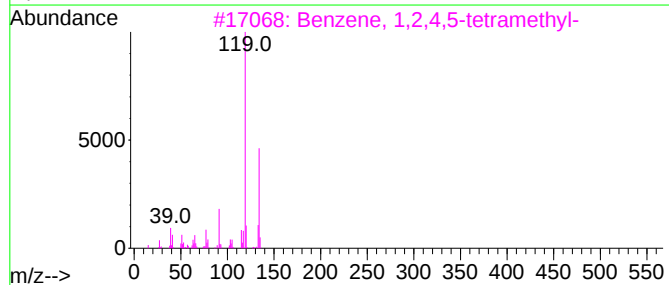
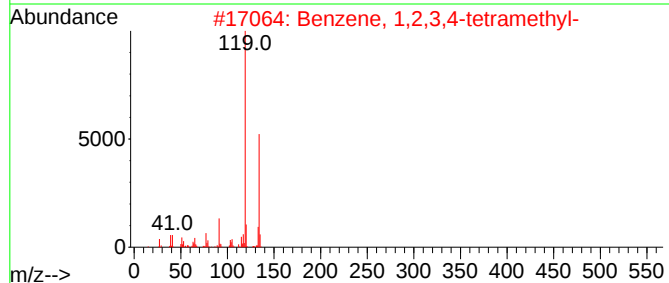
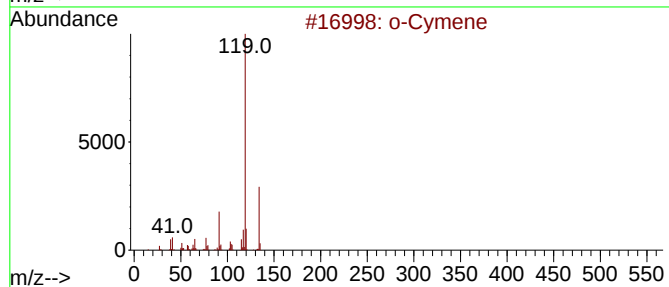
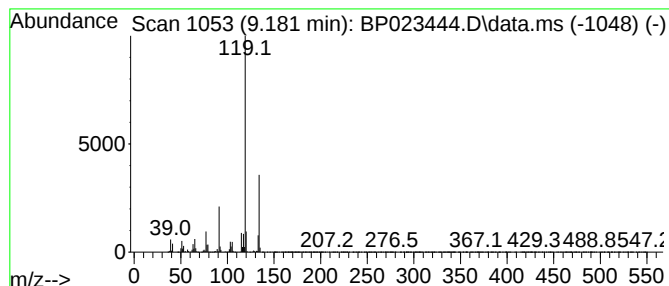
TIC Library : C:\DATABASE\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 14 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 4

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.   |
|-------|-------------|---------|------------------|--------|
| 9.181 | 14.39 ng/ul | 1207490 | Naphthalene-d8   | 10.275 |

| Hit# | of | 5 | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------|-----|---------|-------------|------|
| 1    |    |   | o-Cymene                      | 134 | C10H14  | 000527-84-4 | 95   |
| 2    |    |   | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14  | 000488-23-3 | 94   |
| 3    |    |   | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14  | 000095-93-2 | 93   |
| 4    |    |   | p-Cymene                      | 134 | C10H14  | 000099-87-6 | 91   |
| 5    |    |   | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14  | 000095-93-2 | 91   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP121624\  
Data File : BP023444.D  
Acq On : 16 Dec 2024 21:51  
Operator : RC/JU  
Sample : P5234-01  
Misc : GCMS CONFIRMATION  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
C0AD3

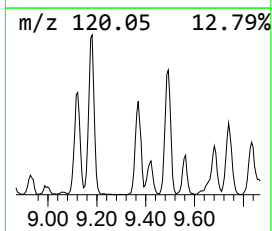
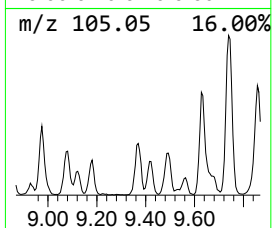
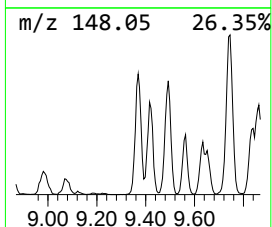
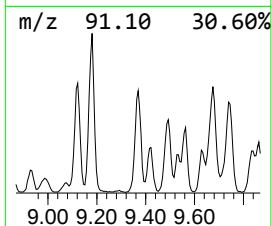
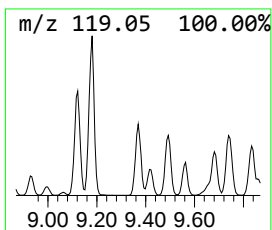
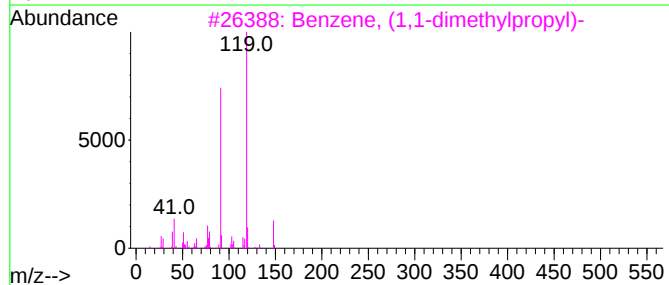
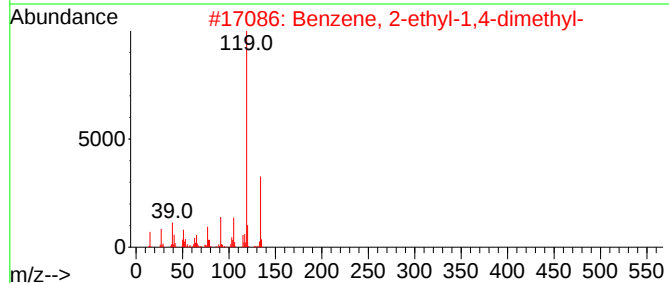
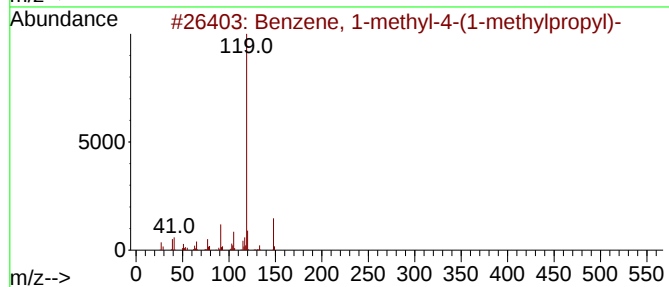
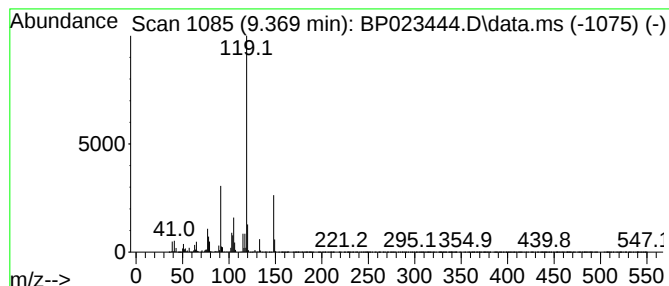
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Quant Title : SVOA CALIBRATION

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

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Peak Number 15 Benzene, 1-methyl-4-(1-meth... Concentration Rank 7

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.   |
|-------|------------|--------|------------------|--------|
| 9.369 | 8.72 ng/ul | 731547 | Naphthalene-d8   | 10.275 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-methyl-4-(1-methylpro... | 148 | C11H16  | 001595-16-0 | 90   |
| 2    |    |   | Benzene, 2-ethyl-1,4-dimethyl-      | 134 | C10H14  | 001758-88-9 | 81   |
| 3    |    |   | Benzene, (1,1-dimethylpropyl)-      | 148 | C11H16  | 002049-95-8 | 80   |
| 4    |    |   | Benzene, (1,1-dimethylpropyl)-      | 148 | C11H16  | 002049-95-8 | 80   |
| 5    |    |   | Benzene, 2-ethyl-1,3-dimethyl-      | 134 | C10H14  | 002870-04-4 | 74   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP121624\  
Data File : BP023444.D  
Acq On : 16 Dec 2024 21:51  
Operator : RC/JU  
Sample : P5234-01  
Misc : GCMS CONFIRMATION  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
C0AD3

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP112624.MA.M  
Quant Title : SVOA CALIBRATION

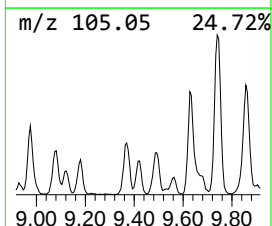
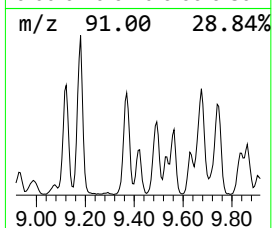
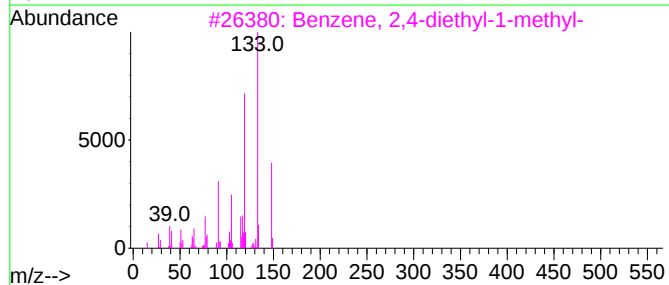
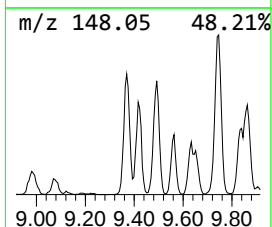
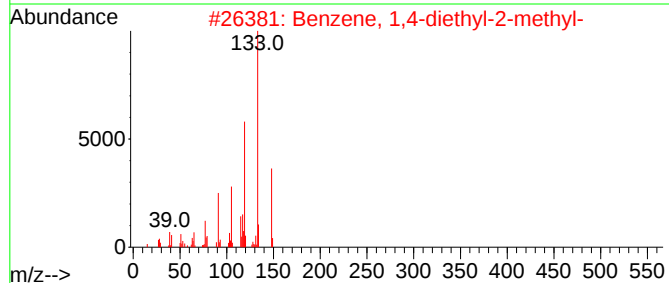
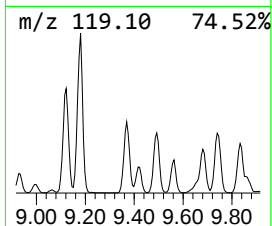
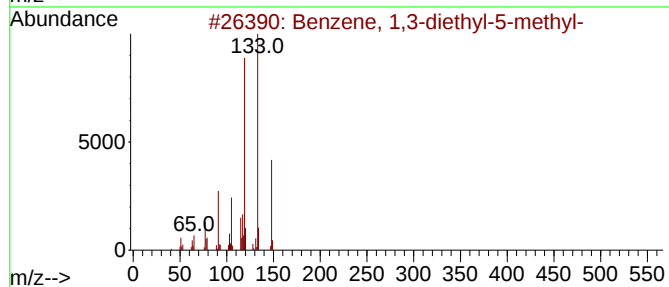
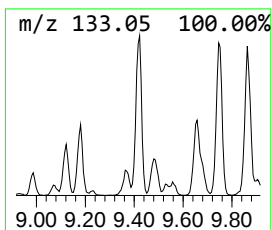
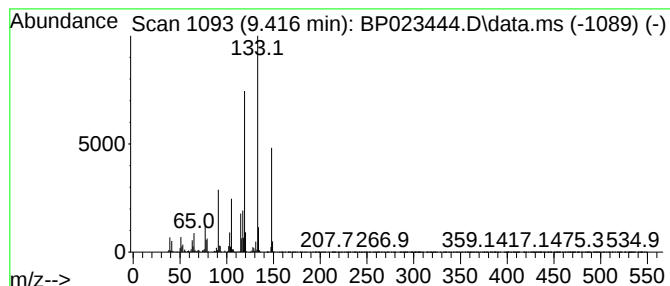
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TIC Integration Parameters: LSCINT.P

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Peak Number 16 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 20

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.   |
|-------|------------|--------|------------------|--------|
| 9.416 | 4.38 ng/ul | 367291 | Naphthalene-d8   | 10.275 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1,3-diethyl-5-methyl- | 148 | C11H16  | 002050-24-0 | 98   |
| 2    |    |   | Benzene, 1,4-diethyl-2-methyl- | 148 | C11H16  | 013632-94-5 | 97   |
| 3    |    |   | Benzene, 2,4-diethyl-1-methyl- | 148 | C11H16  | 001758-85-6 | 95   |
| 4    |    |   | Benzene, 1,3-diethyl-5-methyl- | 148 | C11H16  | 002050-24-0 | 90   |
| 5    |    |   | Benzene, pentamethyl-          | 148 | C11H16  | 000700-12-9 | 64   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP121624\  
Data File : BP023444.D  
Acq On : 16 Dec 2024 21:51  
Operator : RC/JU  
Sample : P5234-01  
Misc : GCMS CONFIRMATION  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
C0AD3

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP112624.MA.M  
Quant Title : SVOA CALIBRATION

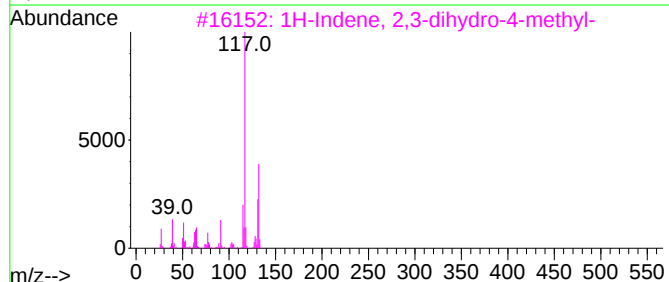
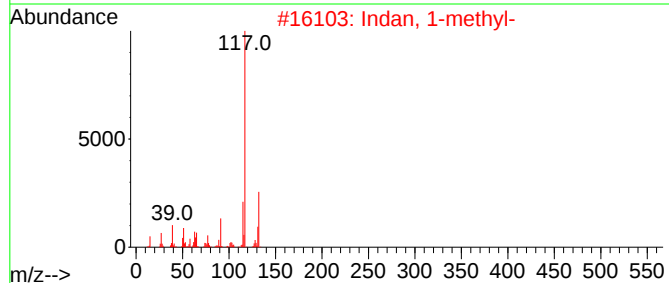
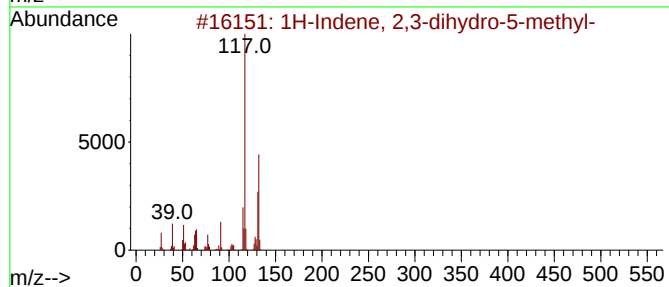
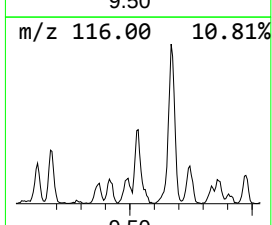
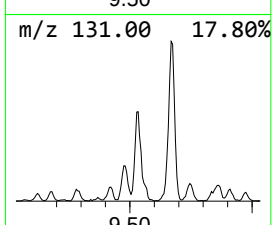
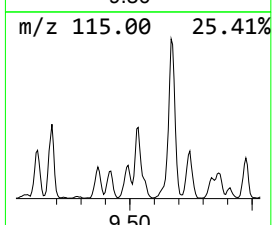
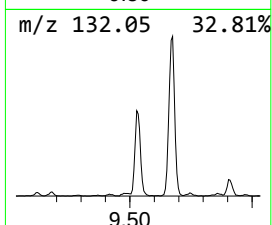
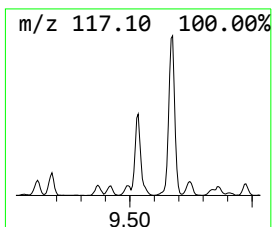
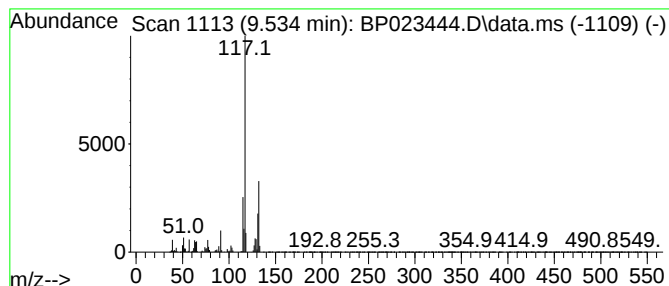
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TIC Integration Parameters: LSCINT.P

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Peak Number 18 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 25

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.   |
|-------|------------|--------|------------------|--------|
| 9.534 | 3.15 ng/ul | 264133 | Naphthalene-d8   | 10.275 |

| Hit# | of 5 | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|------|----------------------------------|-----|---------|-------------|------|
| 1    |      | 1H-Indene, 2,3-dihydro-5-methyl- | 132 | C10H12  | 000874-35-1 | 90   |
| 2    |      | Indan, 1-methyl-                 | 132 | C10H12  | 000767-58-8 | 90   |
| 3    |      | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12  | 000824-22-6 | 90   |
| 4    |      | Benzene, 1-ethenyl-3-ethyl-      | 132 | C10H12  | 007525-62-4 | 86   |
| 5    |      | Benzene, 1-ethenyl-4-ethyl-      | 132 | C10H12  | 003454-07-7 | 83   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP121624\  
Data File : BP023444.D  
Acq On : 16 Dec 2024 21:51  
Operator : RC/JU  
Sample : P5234-01  
Misc : GCMS CONFIRMATION  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
C0AD3

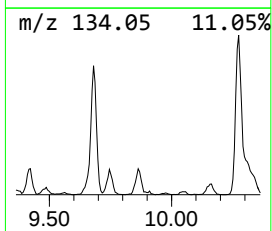
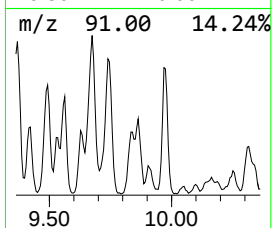
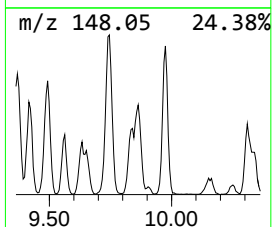
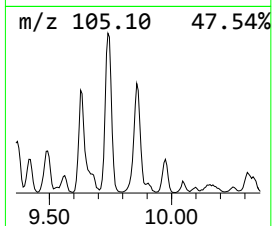
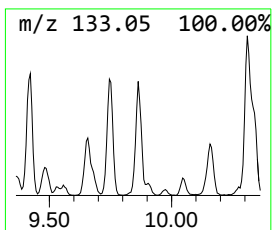
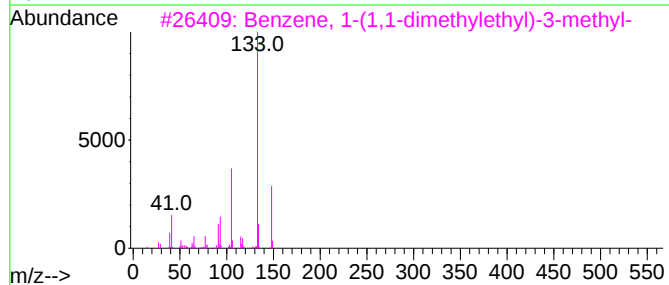
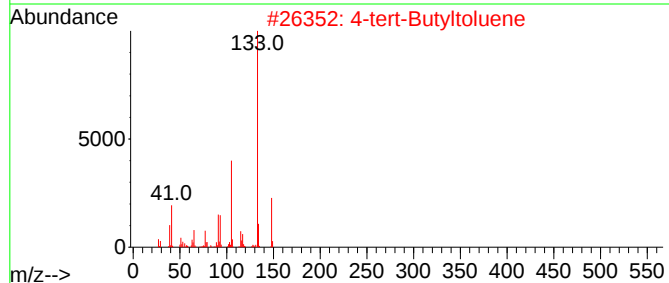
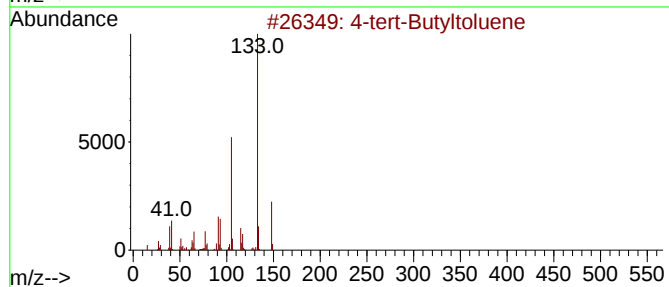
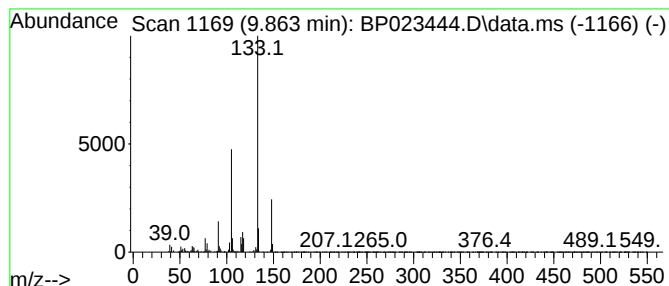
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Quant Title : SVOA CALIBRATION

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

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Peak Number 23 4-tert-Butyltoluene Concentration Rank 15

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.   |
|-------|------------|--------|------------------|--------|
| 9.863 | 5.38 ng/ul | 450930 | Naphthalene-d8   | 10.275 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 4-tert-Butyltoluene                 | 148 | C11H16  | 000098-51-1 | 91   |
| 2    |    |   | 4-tert-Butyltoluene                 | 148 | C11H16  | 000098-51-1 | 91   |
| 3    |    |   | Benzene, 1-(1,1-dimethylethyl)-3... | 148 | C11H16  | 001075-38-3 | 91   |
| 4    |    |   | 4-tert-Butyltoluene                 | 148 | C11H16  | 000098-51-1 | 91   |
| 5    |    |   | 2-tert-Butyltoluene                 | 148 | C11H16  | 001074-92-6 | 91   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP121624\  
Data File : BP023444.D  
Acq On : 16 Dec 2024 21:51  
Operator : RC/JU  
Sample : P5234-01  
Misc : GCMS CONFIRMATION  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
C0AD3

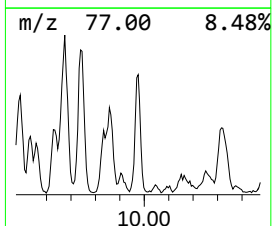
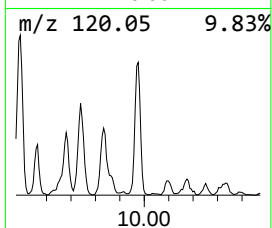
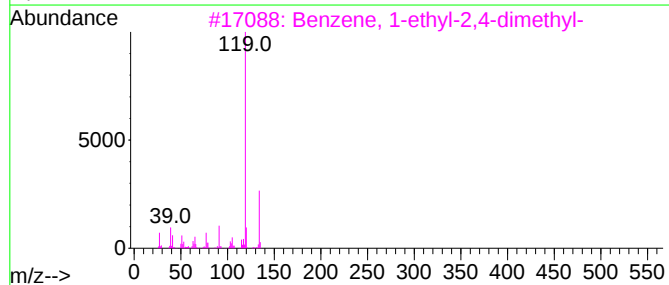
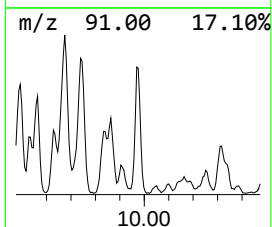
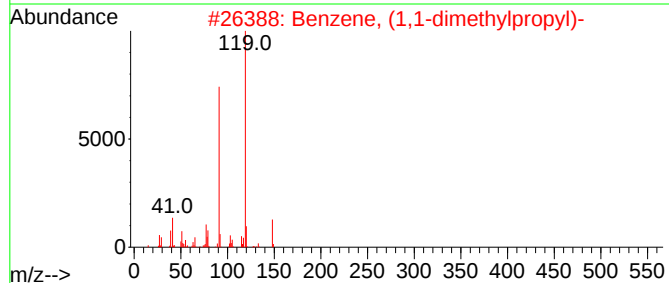
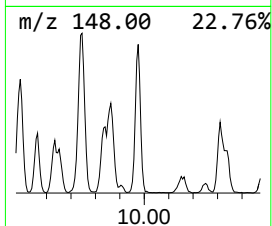
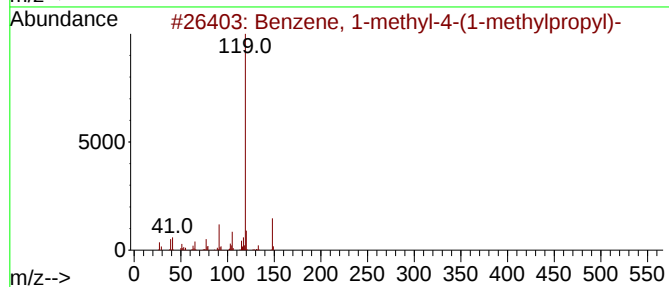
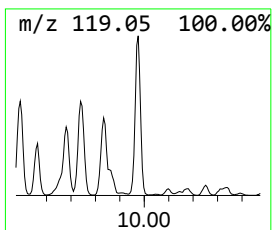
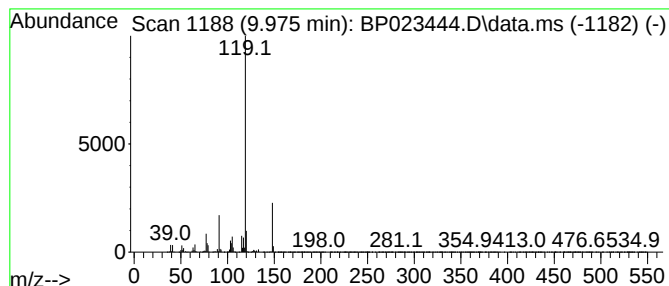
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Quant Title : SVOA CALIBRATION

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

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Peak Number 24 Benzene, (1,1-dimethylpropyl)- Concentration Rank 8

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.   |
|-------|------------|--------|------------------|--------|
| 9.975 | 8.12 ng/ul | 681216 | Naphthalene-d8   | 10.275 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-methyl-4-(1-methylpro... | 148 | C11H16  | 001595-16-0 | 91   |
| 2    |    |   | Benzene, (1,1-dimethylpropyl)-      | 148 | C11H16  | 002049-95-8 | 86   |
| 3    |    |   | Benzene, 1-ethyl-2,4-dimethyl-      | 134 | C10H14  | 000874-41-9 | 81   |
| 4    |    |   | Benzene, (1,1-dimethylpropyl)-      | 148 | C11H16  | 002049-95-8 | 78   |
| 5    |    |   | Benzene, 1-ethyl-2,4-dimethyl-      | 134 | C10H14  | 000874-41-9 | 72   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP121624\  
Data File : BP023444.D  
Acq On : 16 Dec 2024 21:51  
Operator : RC/JU  
Sample : P5234-01  
Misc : GCMS CONFIRMATION  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
C0AD3

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP112624.MA.M  
Quant Title : SVOA CALIBRATION

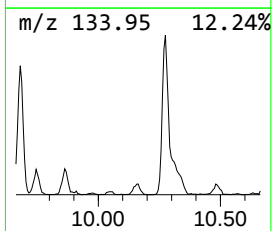
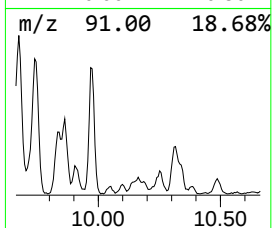
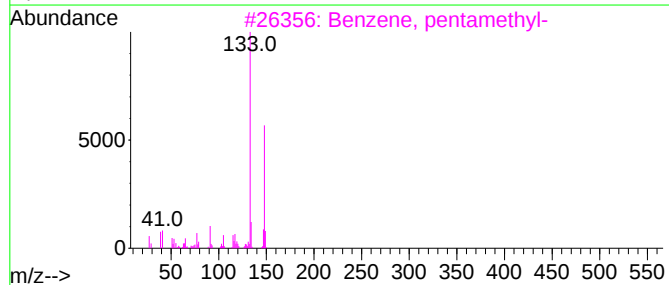
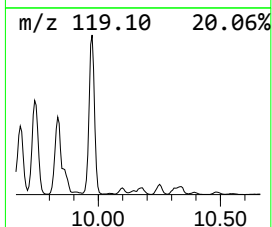
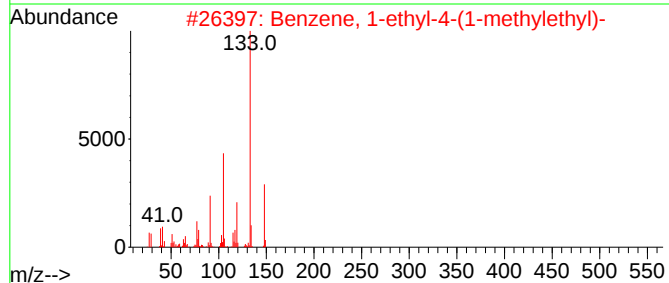
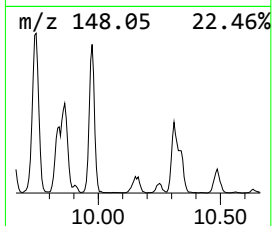
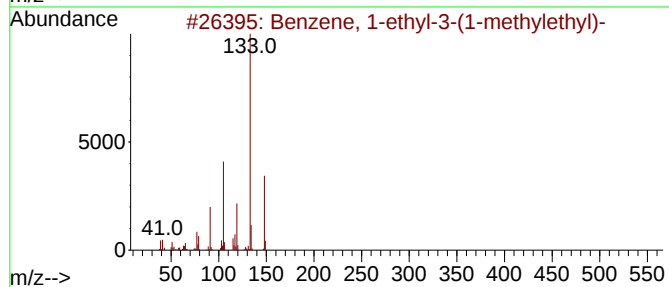
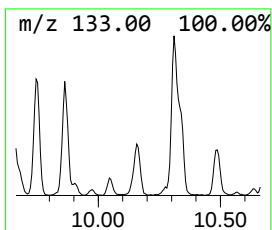
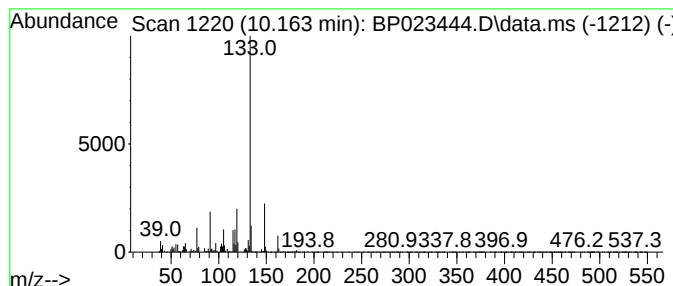
TIC Library : C:\DATABASE\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 25 Benzene, 1-ethyl-3-(1-methy... Concentration Rank 29

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 10.163 | 2.83 ng/ul | 237404 | Naphthalene-d8   | 10.275 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-ethyl-3-(1-methylethyl)- | 148 | C11H16  | 004920-99-4 | 91   |
| 2    |    |   | Benzene, 1-ethyl-4-(1-methylethyl)- | 148 | C11H16  | 004218-48-8 | 90   |
| 3    |    |   | Benzene, pentamethyl-               | 148 | C11H16  | 000700-12-9 | 87   |
| 4    |    |   | Benzene, pentamethyl-               | 148 | C11H16  | 000700-12-9 | 87   |
| 5    |    |   | Benzene, 1,3-dimethyl-5-(1-methy... | 148 | C11H16  | 004706-90-5 | 87   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP121624\  
Data File : BP023444.D  
Acq On : 16 Dec 2024 21:51  
Operator : RC/JU  
Sample : P5234-01  
Misc : GCMS CONFIRMATION  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
C0AD3

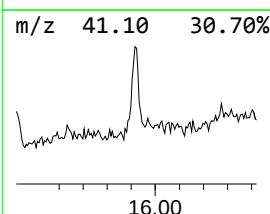
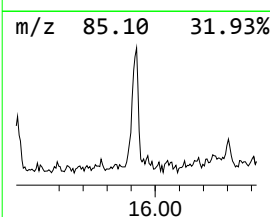
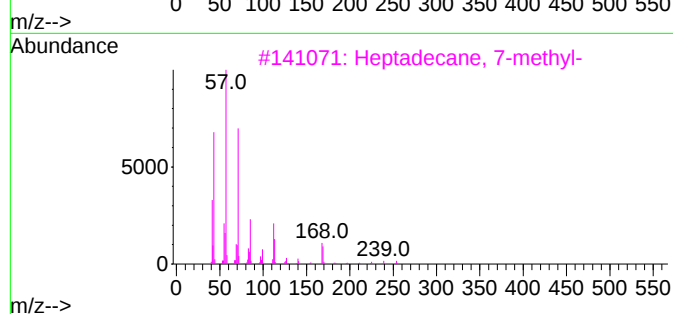
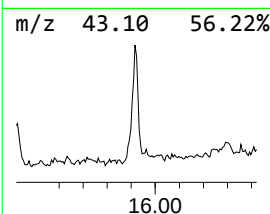
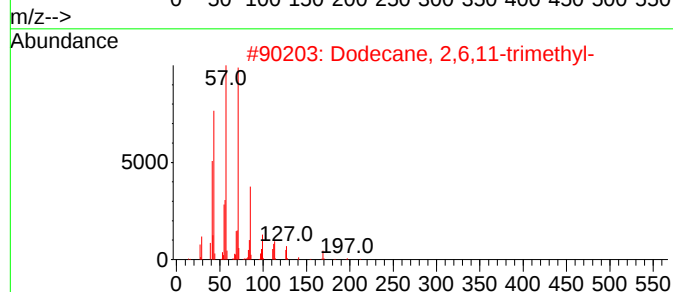
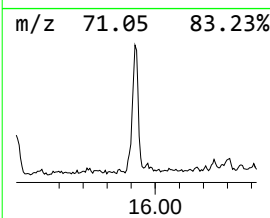
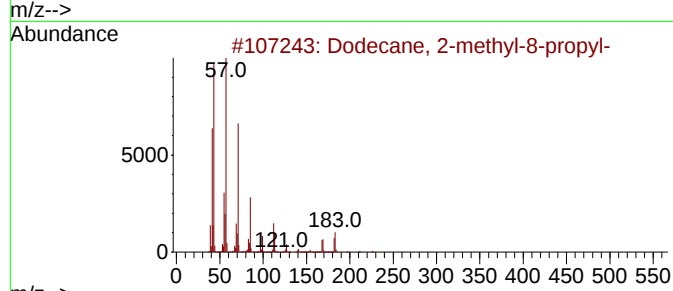
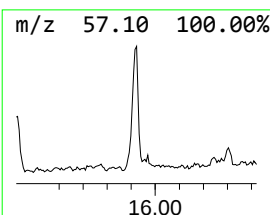
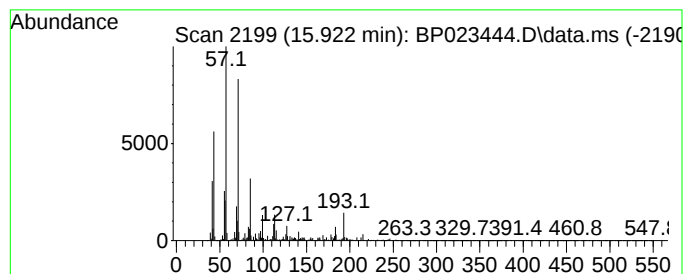
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Quant Title : SVOA CALIBRATION

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

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Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 18

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 15.922 | 4.71 ng/ul | 533163 | Phenanthrene-d10 | 16.957 |

| Hit# | of | 5 | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------|-----|---------|-------------|------|
| 1    |    |   | Dodecane, 2-methyl-8-propyl- | 226 | C16H34  | 055045-07-3 | 93   |
| 2    |    |   | Dodecane, 2,6,11-trimethyl-  | 212 | C15H32  | 031295-56-4 | 91   |
| 3    |    |   | Heptadecane, 7-methyl-       | 254 | C18H38  | 020959-33-5 | 87   |
| 4    |    |   | Dodecane, 2,6,11-trimethyl-  | 212 | C15H32  | 031295-56-4 | 83   |
| 5    |    |   | Dodecane, 2,6,11-trimethyl-  | 212 | C15H32  | 031295-56-4 | 80   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP121624\  
Data File : BP023444.D  
Acq On : 16 Dec 2024 21:51  
Operator : RC/JU  
Sample : P5234-01  
Misc : GCMS CONFIRMATION  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
C0AD3

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP112624.MA.M  
Quant Title : SVOA CALIBRATION

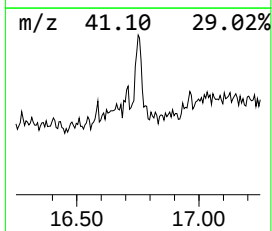
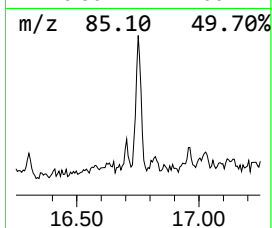
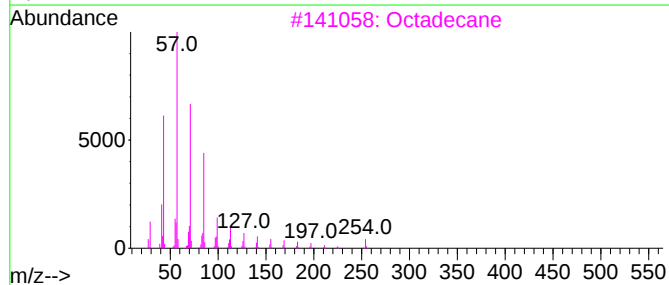
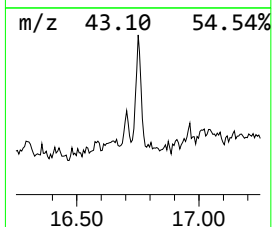
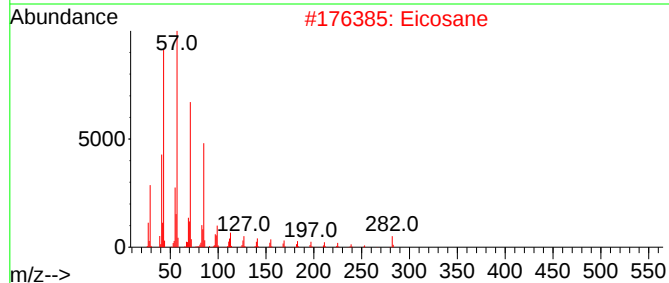
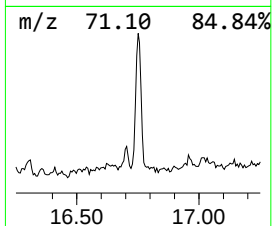
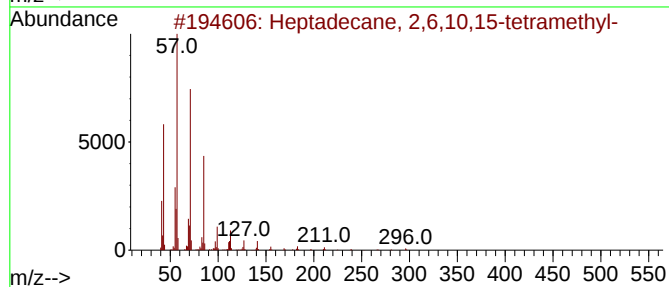
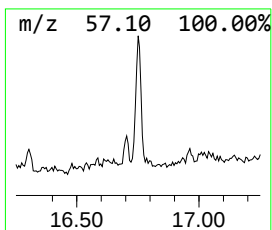
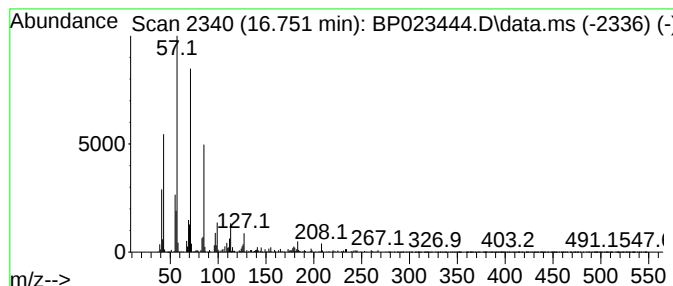
TIC Library : C:\DATABASE\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 34

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 16.751 | 2.16 ng/ul | 244177 | Phenanthrene-d10 | 16.957 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|------|-------------------------------------|-----|---------|-------------|------|
| 1    |      | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44  | 054833-48-6 | 86   |
| 2    |      | Eicosane                            | 282 | C20H42  | 000112-95-8 | 86   |
| 3    |      | Octadecane                          | 254 | C18H38  | 000593-45-3 | 80   |
| 4    |      | Hexadecane                          | 226 | C16H34  | 000544-76-3 | 80   |
| 5    |      | Heneicosane                         | 296 | C21H44  | 000629-94-7 | 80   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP121624\  
Data File : BP023444.D  
Acq On : 16 Dec 2024 21:51  
Operator : RC/JU  
Sample : P5234-01  
Misc : GCMS CONFIRMATION  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
C0AD3

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP112624.MA.M  
Quant Title : SVOA CALIBRATION

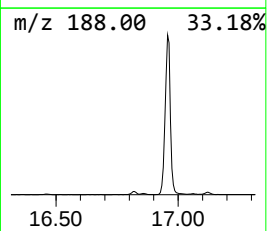
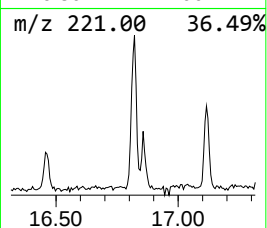
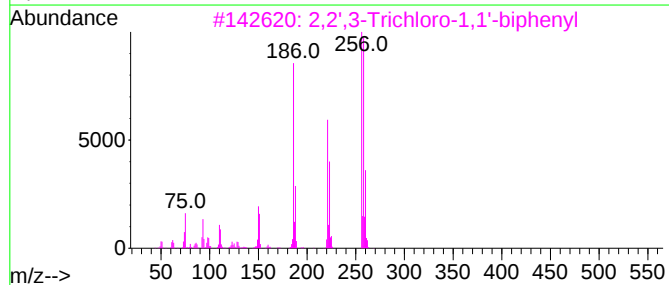
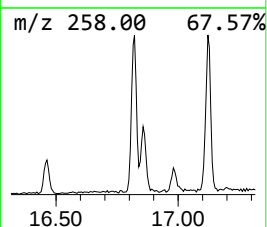
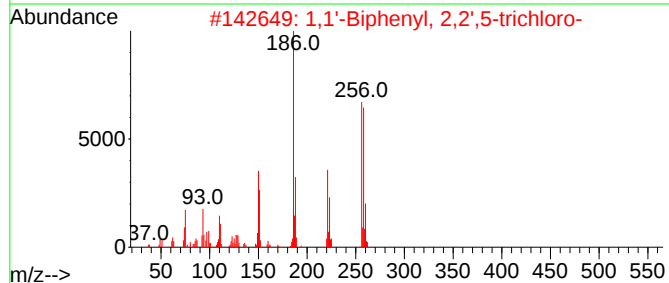
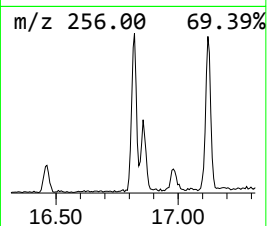
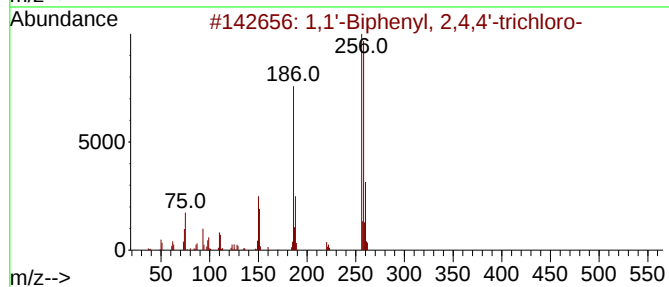
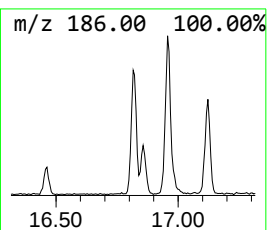
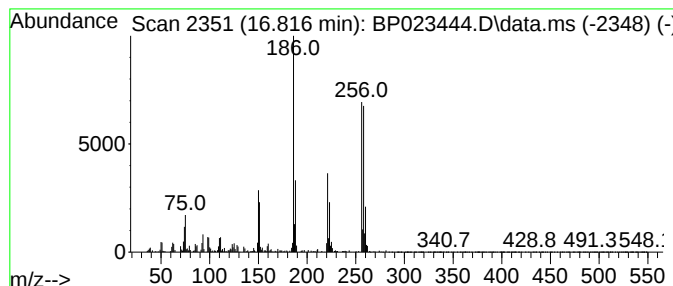
TIC Library : C:\DATABASE\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 28 1,1'-Biphenyl, 2,4,4'-trich... Concentration Rank 32

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 16.816 | 2.28 ng/ul | 258139 | Phenanthrene-d10 | 16.957 |

| Hit# | of                               | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|----------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | 1,1'-Biphenyl, 2,4,4'-trichloro- | 256 | C12H7Cl3     | 007012-37-5 | 99      |      |      |
| 2    | 1,1'-Biphenyl, 2,2',5-trichloro- | 256 | C12H7Cl3     | 037680-65-2 | 99      |      |      |
| 3    | 2,2',3-Trichloro-1,1'-biphenyl   | 256 | C12H7Cl3     | 038444-78-9 | 99      |      |      |
| 4    | 2,3',6-Trichlorobiphenyl         | 256 | C12H7Cl3     | 038444-76-7 | 97      |      |      |
| 5    | 1,1'-Biphenyl, 2,2',5-trichloro- | 256 | C12H7Cl3     | 037680-65-2 | 96      |      |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP121624\  
Data File : BP023444.D  
Acq On : 16 Dec 2024 21:51  
Operator : RC/JU  
Sample : P5234-01  
Misc : GCMS CONFIRMATION  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
C0AD3

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP112624.MA.M  
Quant Title : SVOA CALIBRATION

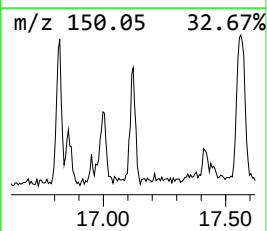
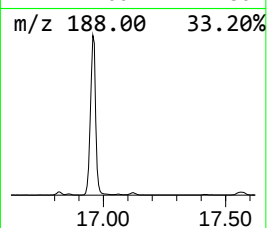
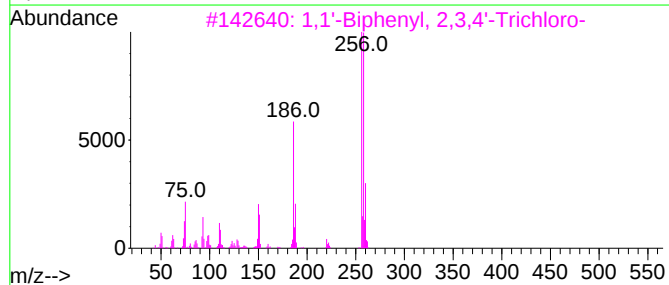
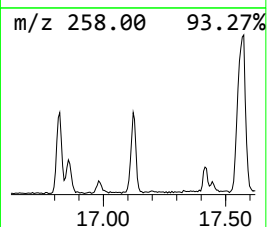
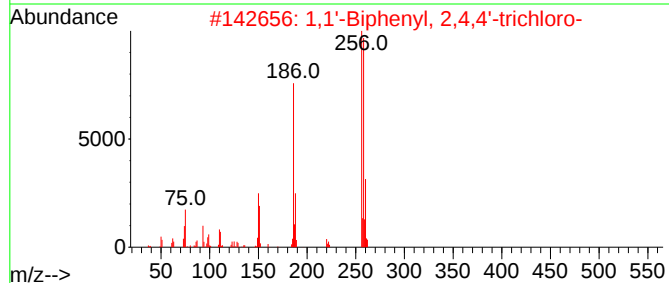
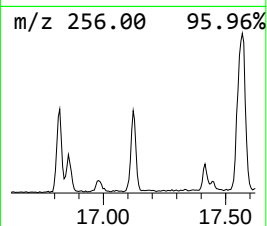
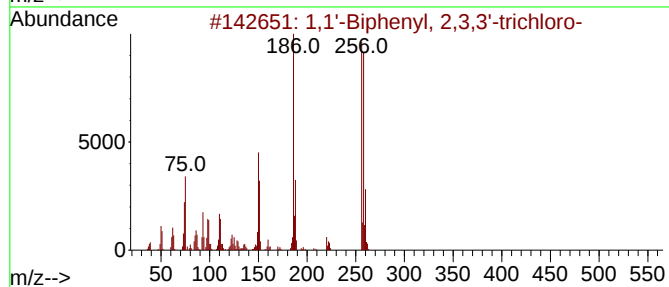
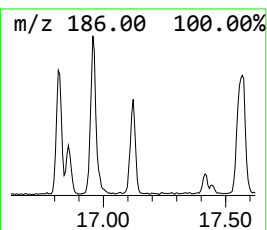
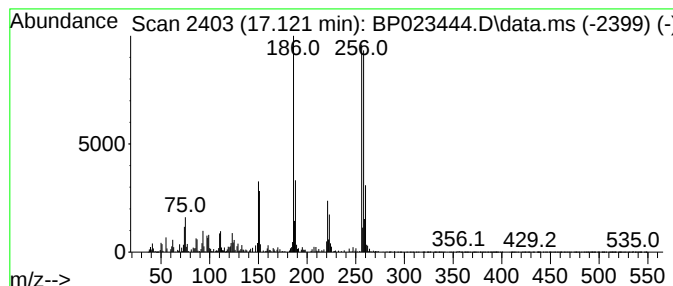
TIC Library : C:\DATABASE\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 29 1,1'-Biphenyl, 2,3,3'-trich... Concentration Rank 23

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 17.122 | 3.22 ng/ul | 364763 | Phenanthrene-d10 | 16.957 |

| Hit# | of                               | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|----------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | 1,1'-Biphenyl, 2,3,3'-trichloro- | 256 | C12H7Cl3     | 038444-84-7 | 99      |      |      |
| 2    | 1,1'-Biphenyl, 2,4,4'-trichloro- | 256 | C12H7Cl3     | 007012-37-5 | 99      |      |      |
| 3    | 1,1'-Biphenyl, 2,3,4'-Trichloro- | 256 | C12H7Cl3     | 038444-85-8 | 97      |      |      |
| 4    | 1,1'-Biphenyl, 2',3,4-trichloro- | 256 | C12H7Cl3     | 038444-86-9 | 97      |      |      |
| 5    | 1,1'-Biphenyl, 3,3',5-trichloro- | 256 | C12H7Cl3     | 038444-87-0 | 97      |      |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP121624\  
Data File : BP023444.D  
Acq On : 16 Dec 2024 21:51  
Operator : RC/JU  
Sample : P5234-01  
Misc : GCMS CONFIRMATION  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
C0AD3

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP112624.MA.M  
Quant Title : SVOA CALIBRATION

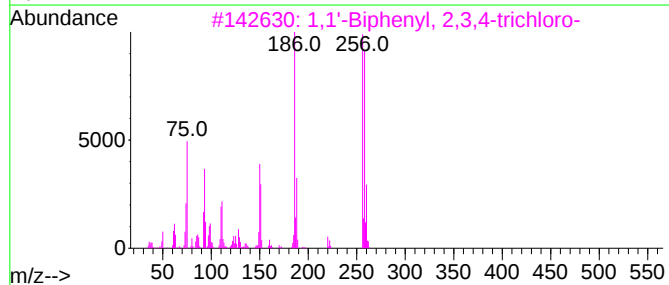
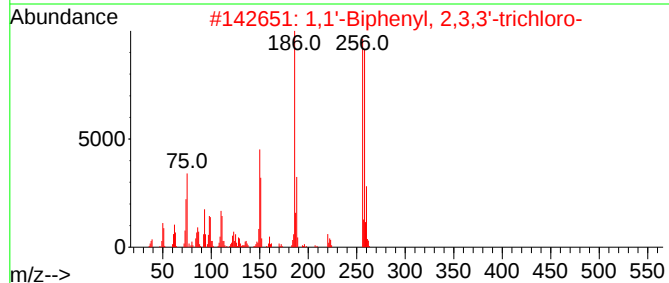
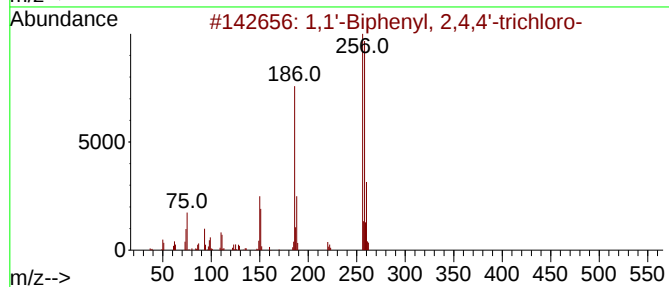
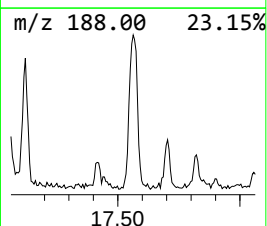
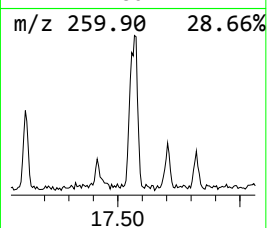
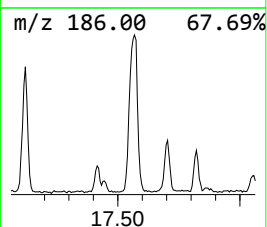
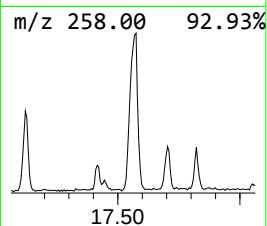
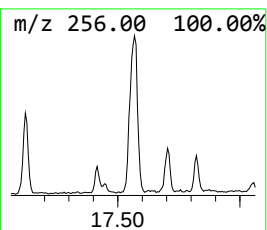
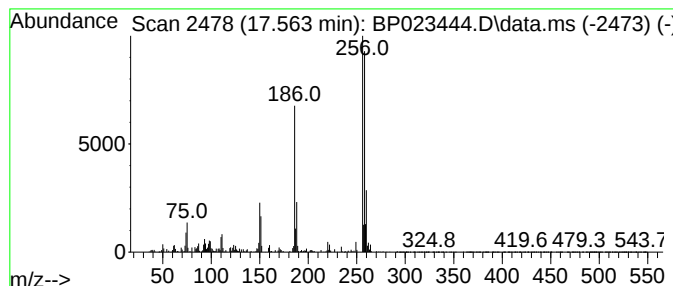
TIC Library : C:\DATABASE\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 30 1,1'-Biphenyl, 2,3,4-trichl... Concentration Rank 14

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 17.563 | 5.57 ng/ul | 629824 | Phenanthrene-d10 | 16.957 |

| Hit# | of 5                             | Tentative ID | MW       | MolForm     | CAS# | Qual |
|------|----------------------------------|--------------|----------|-------------|------|------|
| 1    | 1,1'-Biphenyl, 2,4,4'-trichloro- | 256          | C12H7Cl3 | 007012-37-5 | 99   |      |
| 2    | 1,1'-Biphenyl, 2,3,3'-trichloro- | 256          | C12H7Cl3 | 038444-84-7 | 99   |      |
| 3    | 1,1'-Biphenyl, 2,3,4-trichloro-  | 256          | C12H7Cl3 | 055702-46-0 | 99   |      |
| 4    | 1,1'-Biphenyl, 2,3',5-trichloro- | 256          | C12H7Cl3 | 038444-81-4 | 98   |      |
| 5    | 1,1'-Biphenyl, 2',3,4-trichloro- | 256          | C12H7Cl3 | 038444-86-9 | 98   |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP121624\  
Data File : BP023444.D  
Acq On : 16 Dec 2024 21:51  
Operator : RC/JU  
Sample : P5234-01  
Misc : GCMS CONFIRMATION  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
C0AD3

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP112624.MA.M  
Quant Title : SVOA CALIBRATION

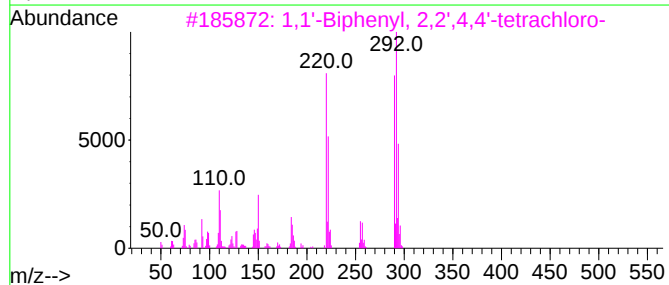
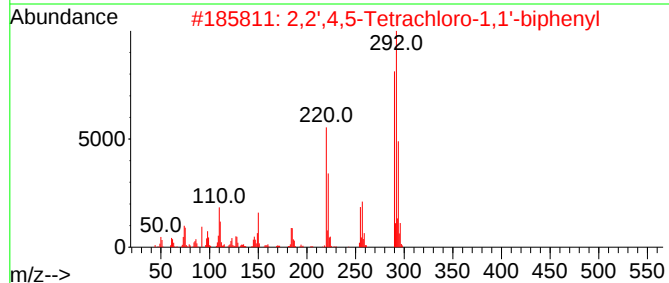
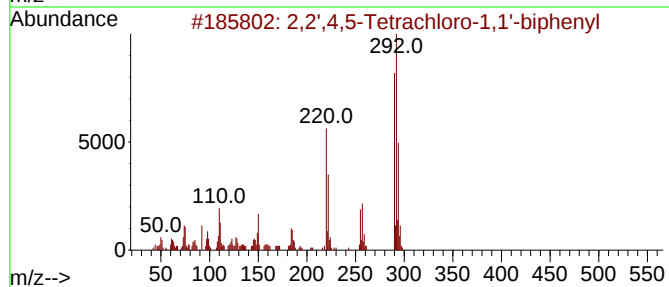
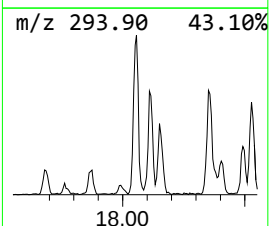
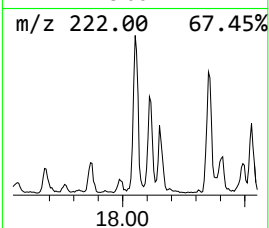
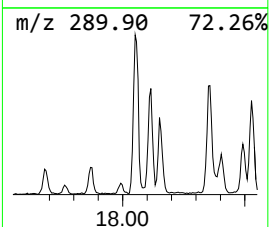
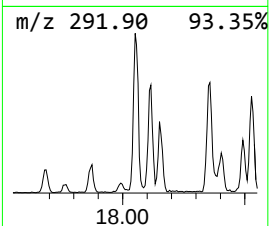
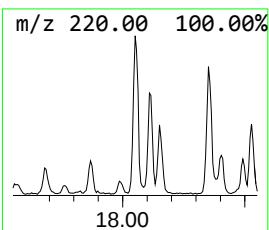
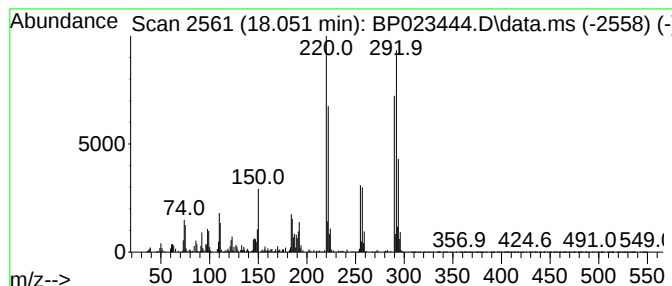
TIC Library : C:\DATABASE\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 31 2,2',4,5-Tetrachloro-1,1'-b... Concentration Rank 21

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 18.051 | 4.09 ng/ul | 462256 | Phenanthrene-d10 | 16.957 |

| Hit# | of                                    | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|---------------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | 2,2',4,5-Tetrachloro-1,1'-biphenyl    | 290 | C12H6Cl4     | 070362-47-9 | 99      |      |      |
| 2    | 2,2',4,5-Tetrachloro-1,1'-biphenyl    | 290 | C12H6Cl4     | 070362-47-9 | 99      |      |      |
| 3    | 1,1'-Biphenyl, 2,2',4,4'-tetrachloro- | 290 | C12H6Cl4     | 002437-79-8 | 99      |      |      |
| 4    | 1,1'-Biphenyl, 2,2',4,4'-tetrachloro- | 290 | C12H6Cl4     | 002437-79-8 | 99      |      |      |
| 5    | 1,1'-Biphenyl, 2,2',6,6'-tetrachloro- | 290 | C12H6Cl4     | 015968-05-5 | 99      |      |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP121624\  
Data File : BP023444.D  
Acq On : 16 Dec 2024 21:51  
Operator : RC/JU  
Sample : P5234-01  
Misc : GCMS CONFIRMATION  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
C0AD3

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP112624.MA.M  
Quant Title : SVOA CALIBRATION

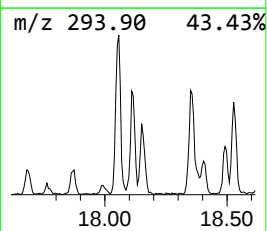
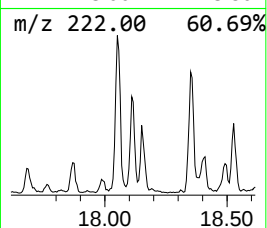
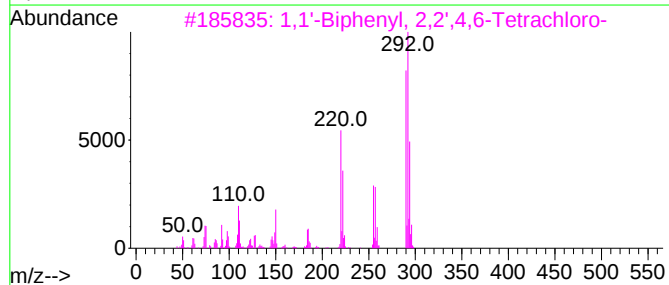
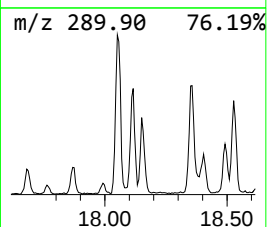
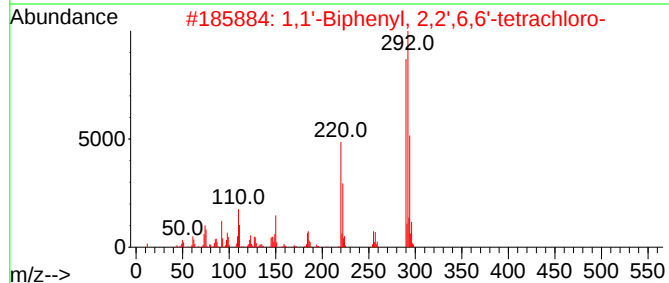
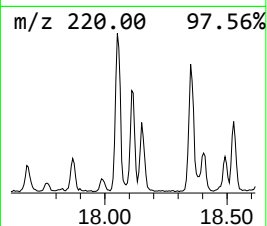
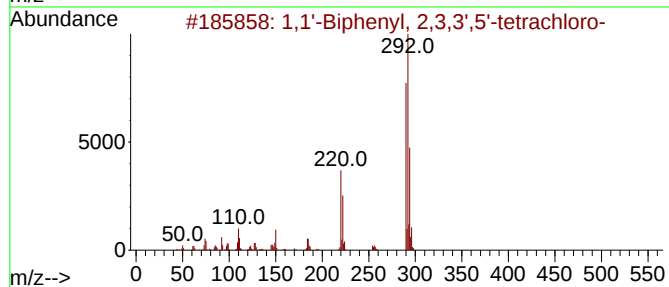
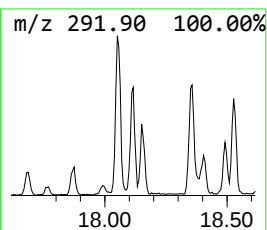
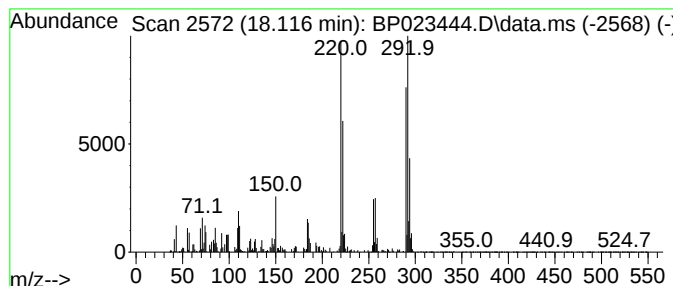
TIC Library : C:\DATABASE\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 32 1,1'-Biphenyl, 2,3,3',5'-te... Concentration Rank 24

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 18.116 | 3.19 ng/ul | 360500 | Phenanthrene-d10 | 16.957 |

| Hit# | of                                  | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | 1,1'-Biphenyl, 2,3,3',5'-tetrach... | 290 | C12H6Cl4     | 041464-49-7 | 99      |      |      |
| 2    | 1,1'-Biphenyl, 2,2',6,6'-tetrach... | 290 | C12H6Cl4     | 015968-05-5 | 99      |      |      |
| 3    | 1,1'-Biphenyl, 2,2',4,6-Tetrachl... | 290 | C12H6Cl4     | 062796-65-0 | 99      |      |      |
| 4    | 1,1'-Biphenyl, 2,2',4,5'-tetrach... | 290 | C12H6Cl4     | 041464-40-8 | 99      |      |      |
| 5    | 1,1'-Biphenyl, 3,3',4,4'-tetrach... | 290 | C12H6Cl4     | 032598-13-3 | 98      |      |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP121624\  
Data File : BP023444.D  
Acq On : 16 Dec 2024 21:51  
Operator : RC/JU  
Sample : P5234-01  
Misc : GCMS CONFIRMATION  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
C0AD3

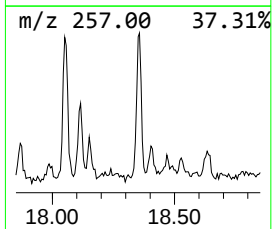
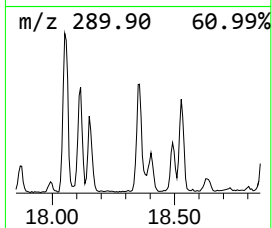
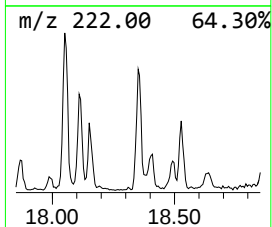
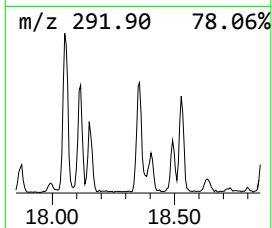
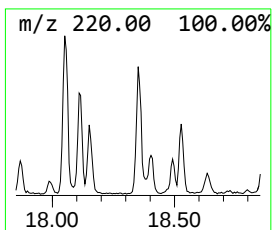
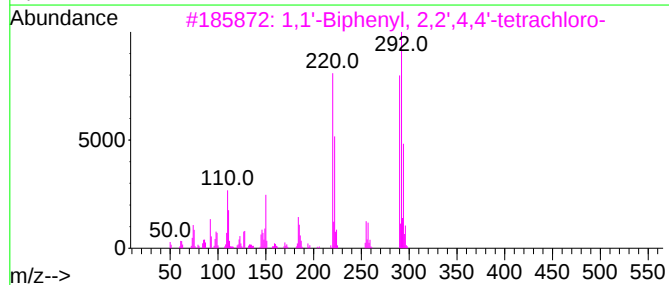
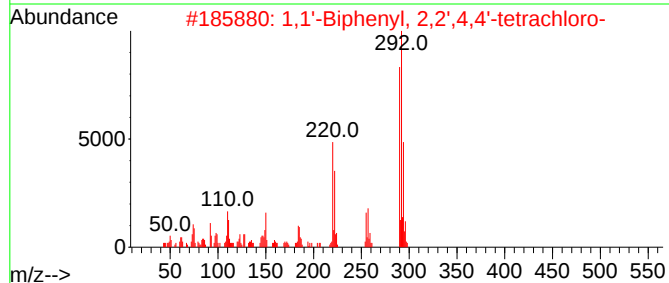
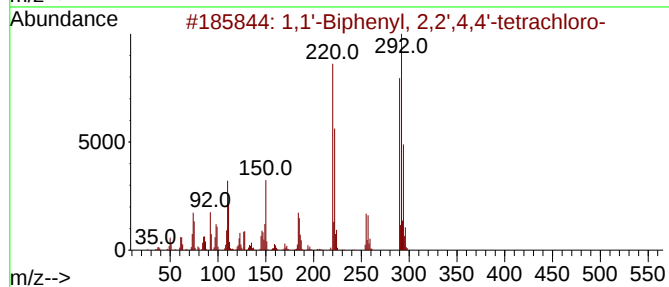
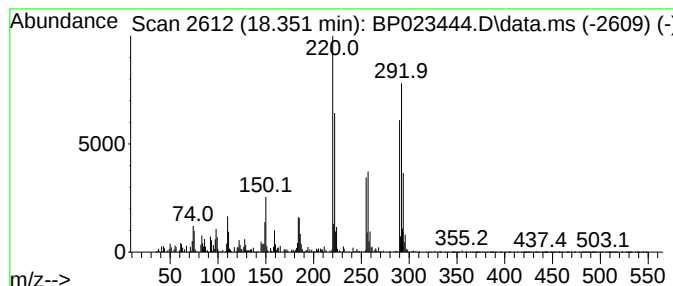
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Quant Title : SVOA CALIBRATION

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

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Peak Number 33 1,1'-Biphenyl, 2,2',4,4'-te... Concentration Rank 22

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 18.351    | 3.33 ng/ul                          | 377088 | Phenanthrene-d10 | 16.957      |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | 1,1'-Biphenyl, 2,2',4,4'-tetrach... | 290    | C12H6Cl4         | 002437-79-8 | 99   |
| 2         | 1,1'-Biphenyl, 2,2',4,4'-tetrach... | 290    | C12H6Cl4         | 002437-79-8 | 99   |
| 3         | 1,1'-Biphenyl, 2,2',4,4'-tetrach... | 290    | C12H6Cl4         | 002437-79-8 | 99   |
| 4         | 1,1'-Biphenyl, 2,2',5,6'-Tetrach... | 290    | C12H6Cl4         | 041464-41-9 | 99   |
| 5         | 2,2',4,5-Tetrachloro-1,1'-biphenyl  | 290    | C12H6Cl4         | 070362-47-9 | 99   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP121624\  
Data File : BP023444.D  
Acq On : 16 Dec 2024 21:51  
Operator : RC/JU  
Sample : P5234-01  
Misc : GCMS CONFIRMATION  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
C0AD3

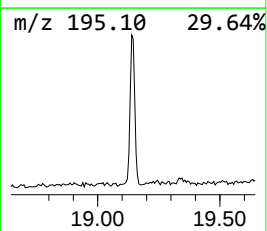
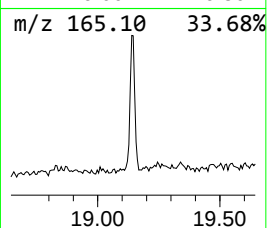
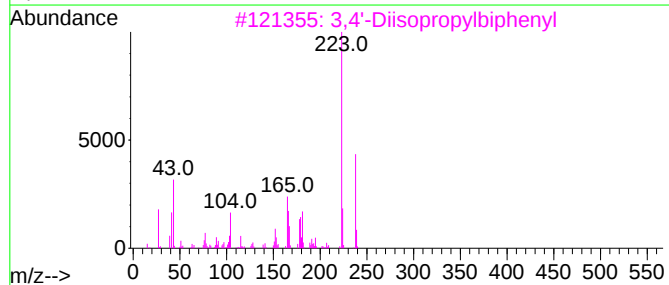
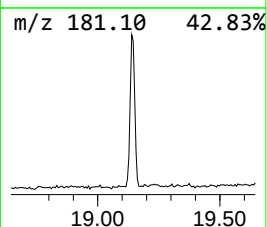
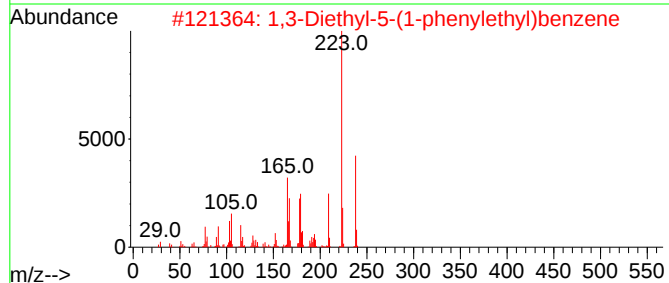
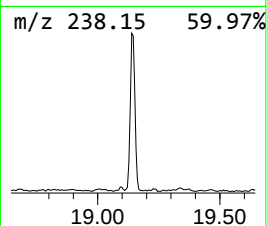
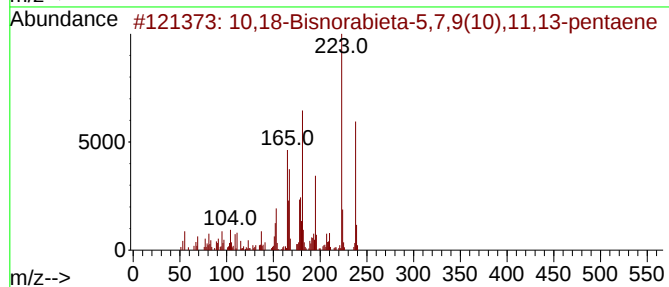
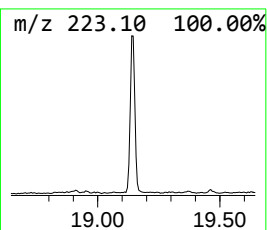
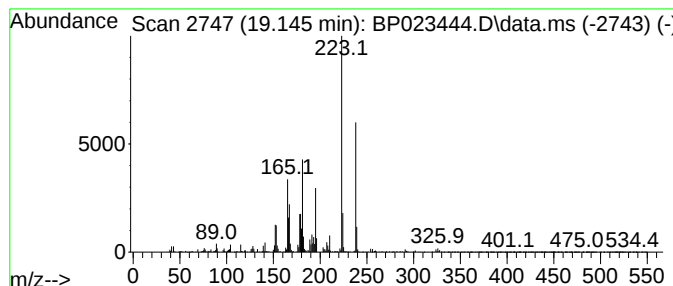
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP112624.MA.M  
Quant Title : SVOA CALIBRATION

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

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Peak Number 34 10,18-Bisnorabieta-5,7,9(10... Concentration Rank 9

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 19.145 | 7.66 ng/ul | 866235 | Phenanthrene-d10 | 16.957 |

| Hit# | of                                  | 5   | Tentative ID | MW           | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|--------------|---------|------|------|
| 1    | 10,18-Bisnorabieta-5,7,9(10),11,... | 238 | C18H22       | 006566-19-4  | 99      |      |      |
| 2    | 1,3-Diethyl-5-(1-phenylethyl)ben... | 238 | C18H22       | 1000482-32-6 | 76      |      |      |
| 3    | 3,4'-Diisopropylbiphenyl            | 238 | C18H22       | 061434-46-6  | 70      |      |      |
| 4    | Anthracene, 1,4-dimethoxy-          | 238 | C16H14O2     | 013076-29-4  | 58      |      |      |
| 5    | 4,4'-Diisopropylbiphenyl            | 238 | C18H22       | 018970-30-4  | 53      |      |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP121624\  
Data File : BP023444.D  
Acq On : 16 Dec 2024 21:51  
Operator : RC/JU  
Sample : P5234-01  
Misc : GCMS CONFIRMATION  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
C0AD3

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP112624.MA.M  
Quant Title : SVOA CALIBRATION

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

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |         |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|---------|------|
|                    |        |         |       |          | #                     | RT     | Resp    | Conc |
| (DEL) Alkane: S... | 3.016  | 50.8    | ng/ul | 2802460  | 1                     | 7.534  | 1103270 | 20.0 |
| Benzene, 1,3-di... | 8.151  | 5.8     | ng/ul | 321109   | 1                     | 7.534  | 1103270 | 20.0 |
| Benzene, 2-ethy... | 8.457  | 5.0     | ng/ul | 273781   | 1                     | 7.534  | 1103270 | 20.0 |
| p-Cymene           | 8.510  | 6.5     | ng/ul | 357109   | 1                     | 7.534  | 1103270 | 20.0 |
| Benzene, 1-ethy... | 8.604  | 21.1    | ng/ul | 1165630  | 1                     | 7.534  | 1103270 | 20.0 |
| Benzene, (2-met... | 8.687  | 3.0     | ng/ul | 168050   | 1                     | 7.534  | 1103270 | 20.0 |
| (DEL) Alkane: S... | 8.722  | 3.0     | ng/ul | 164320   | 1                     | 7.534  | 1103270 | 20.0 |
| Benzene, 4-ethy... | 8.928  | 2.4     | ng/ul | 202191   | 2                     | 10.275 | 1677810 | 20.0 |
| o-Cymene           | 9.122  | 9.5     | ng/ul | 799111   | 2                     | 10.275 | 1677810 | 20.0 |
| Benzene, 1,2,3,... | 9.181  | 14.4    | ng/ul | 1207490  | 2                     | 10.275 | 1677810 | 20.0 |
| Benzene, 1-meth... | 9.369  | 8.7     | ng/ul | 731547   | 2                     | 10.275 | 1677810 | 20.0 |
| Benzene, 1,3-di... | 9.416  | 4.4     | ng/ul | 367291   | 2                     | 10.275 | 1677810 | 20.0 |
| 1H-Indene, 2,3-... | 9.534  | 3.1     | ng/ul | 264133   | 2                     | 10.275 | 1677810 | 20.0 |
| 4-tert-Butyltol... | 9.863  | 5.4     | ng/ul | 450930   | 2                     | 10.275 | 1677810 | 20.0 |
| Benzene, (1,1-d... | 9.975  | 8.1     | ng/ul | 681216   | 2                     | 10.275 | 1677810 | 20.0 |
| Benzene, 1-ethy... | 10.163 | 2.8     | ng/ul | 237404   | 2                     | 10.275 | 1677810 | 20.0 |
| (DEL) Alkane: S... | 15.922 | 4.7     | ng/ul | 533163   | 4                     | 16.957 | 2263060 | 20.0 |
| (DEL) Alkane: S... | 16.751 | 2.2     | ng/ul | 244177   | 4                     | 16.957 | 2263060 | 20.0 |
| 1,1'-Biphenyl, ... | 16.816 | 2.3     | ng/ul | 258139   | 4                     | 16.957 | 2263060 | 20.0 |
| 1,1'-Biphenyl, ... | 17.122 | 3.2     | ng/ul | 364763   | 4                     | 16.957 | 2263060 | 20.0 |
| 1,1'-Biphenyl, ... | 17.563 | 5.6     | ng/ul | 629824   | 4                     | 16.957 | 2263060 | 20.0 |
| 2,2',4,5-Tetrac... | 18.051 | 4.1     | ng/ul | 462256   | 4                     | 16.957 | 2263060 | 20.0 |
| 1,1'-Biphenyl, ... | 18.116 | 3.2     | ng/ul | 360500   | 4                     | 16.957 | 2263060 | 20.0 |
| 1,1'-Biphenyl, ... | 18.351 | 3.3     | ng/ul | 377088   | 4                     | 16.957 | 2263060 | 20.0 |
| 10,18-Bisnorabi... | 19.145 | 7.7     | ng/ul | 866235   | 4                     | 16.957 | 2263060 | 20.0 |