

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM061125\  
 Data File : BM050282.D  
 Acq On : 11 Jun 2025 20:02  
 Operator : RC/JU  
 Sample : Q2262-02MSD  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 ARS20-0032MSD

Quant Time: Jun 12 02:55:56 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM060525.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 09 11:54:38 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.763  | 152  | 426249   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.551 | 136  | 1656086  | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.398 | 164  | 962021   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.133 | 188  | 1732540  | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.362 | 240  | 1630999  | 20.000  | ng    | -0.01    |
| 86) Perylene-d12              | 24.333 | 264  | 1766581  | 20.000  | ng    | -0.01    |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.357  | 112  | 3209903  | 125.621 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.934  | 99   | 3767175  | 111.994 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.916  | 82   | 2802069  | 87.997  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.880 | 330  | 1602285  | 146.430 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.022 | 172  | 5985627  | 84.236  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.762 | 244  | 7612920  | 88.453  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.293  | 88   | 408855   | 36.503  | ng    | 98       |
| 3) Pyridine                   | 3.681  | 79   | 1098257  | 37.863  | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.581  | 42   | 267991   | 44.680  | ng    | 92       |
| 6) Aniline                    | 7.092  | 93   | 1195452  | 26.884  | ng    | 100      |
| 8) 2-Chlorophenol             | 7.334  | 128  | 1347040  | 47.927  | ng    | 99       |
| 9) Benzaldehyde               | 6.904  | 77   | 491794   | 22.996  | ng    | 99       |
| 10) Phenol                    | 6.963  | 94   | 1442613  | 40.534  | ng    | 99       |
| 11) bis(2-Chloroethyl)ether   | 7.192  | 93   | 1366721  | 47.743  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 7.657  | 146  | 1392160  | 44.306  | ng    | 100      |
| 13) 1,4-Dichlorobenzene       | 7.798  | 146  | 1441709  | 44.099  | ng    | 100      |
| 14) 1,2-Dichlorobenzene       | 8.116  | 146  | 1396061  | 44.795  | ng    | 99       |
| 15) Benzyl Alcohol            | 8.004  | 79   | 1145606  | 47.751  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.298  | 45   | 949191   | 47.731  | ng    | 99       |
| 17) 2-Methylphenol            | 8.204  | 107  | 1095501  | 46.651  | ng    | 98       |
| 18) Hexachloroethane          | 8.845  | 117  | 533338   | 45.048  | ng    | 99       |
| 19) n-Nitroso-di-n-propyla... | 8.575  | 70   | 981685   | 47.691  | ng    | 99       |
| 20) 3+4-Methylphenols         | 8.534  | 107  | 1441125  | 45.869  | ng    | 99       |
| 22) Acetophenone              | 8.581  | 105  | 2020483  | 48.835  | ng    | 99       |
| 24) Nitrobenzene              | 8.957  | 77   | 1455364  | 50.254  | ng    | 100      |
| 25) Isophorone                | 9.486  | 82   | 2744229  | 49.931  | ng    | 100      |
| 26) 2-Nitrophenol             | 9.669  | 139  | 657319   | 52.581  | ng    | 99       |
| 27) 2,4-Dimethylphenol        | 9.733  | 122  | 1262564  | 49.154  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 9.969  | 93   | 1812743  | 50.488  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.198 | 162  | 1242582  | 52.277  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 10.416 | 180  | 1298922  | 49.108  | ng    | 99       |
| 31) Naphthalene               | 10.604 | 128  | 4184727  | 48.874  | ng    | 100      |
| 32) Benzoic acid              | 9.851  | 122  | 613369   | 37.998  | ng    | 98       |
| 33) 4-Chloroaniline           | 10.710 | 127  | 444716   | 12.183  | ng    | 99       |
| 34) Hexachlorobutadiene       | 10.898 | 225  | 767819   | 48.803  | ng    | 99       |
| 35) Caprolactam               | 11.486 | 113  | 292596   | 38.828  | ng    | 96       |
| 36) 4-Chloro-3-methylphenol   | 11.833 | 107  | 1271539  | 50.133  | ng    | 100      |
| 37) 2-Methylnaphthalene       | 12.216 | 142  | 2602795  | 50.389  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 12.433 | 142  | 2720090  | 49.615  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 12.586 | 216  | 1410949  | 50.791  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.574 | 237  | 1654385  | 98.064  | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 12.822 | 196  | 962110   | 52.666  | ng    | 98       |

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 QLast Update : Mon Jun 09 11:54:38 2025  
 Response via : Initial Calibration

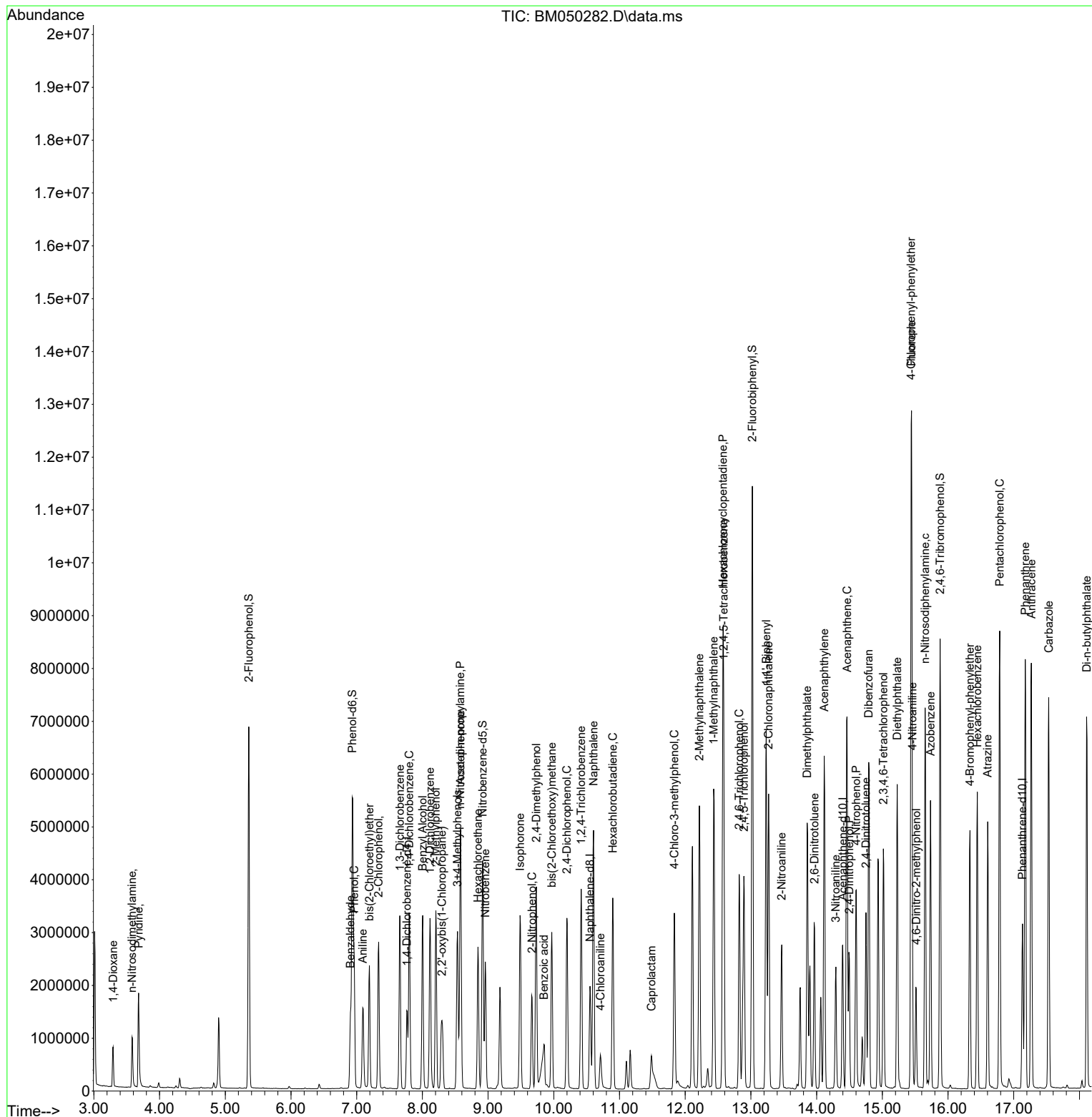
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.892 | 196  | 1064817  | 53.089  | ng    | 98       |
| 46) 1,1'-Biphenyl             | 13.233 | 154  | 3610425  | 50.120  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.269 | 162  | 2783712  | 49.707  | ng    | 100      |
| 48) 2-Nitroaniline            | 13.469 | 65   | 705117   | 57.214  | ng    | 100      |
| 49) Acenaphthylene            | 14.116 | 152  | 4534055  | 50.055  | ng    | 100      |
| 50) Dimethylphthalate         | 13.857 | 163  | 3348601  | 51.468  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 13.969 | 165  | 721633   | 55.000  | ng    | 99       |
| 52) Acenaphthene              | 14.463 | 154  | 2982292m | 52.638  | ng    |          |
| 53) 3-Nitroaniline            | 14.292 | 138  | 629839   | 43.072  | ng    | 99       |
| 54) 2,4-Dinitrophenol         | 14.498 | 184  | 589758   | 75.764  | ng    | 91       |
| 55) Dibenzofuran              | 14.792 | 168  | 4177490  | 50.399  | ng    | 99       |
| 56) 4-Nitrophenol             | 14.604 | 139  | 1186660  | 95.343  | ng    | 98       |
| 57) 2,4-Dinitrotoluene        | 14.751 | 165  | 989545   | 57.173  | ng    | 100      |
| 58) Fluorene                  | 15.445 | 166  | 3195447  | 50.333  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.015 | 232  | 902223   | 51.991  | ng    | 93       |
| 60) Diethylphthalate          | 15.227 | 149  | 3341515  | 51.763  | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 15.439 | 204  | 1578907  | 51.459  | ng    | 98       |
| 62) 4-Nitroaniline            | 15.457 | 138  | 739103   | 53.927  | ng    | 98       |
| 63) Azobenzene                | 15.733 | 77   | 3275968  | 50.772  | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 15.515 | 198  | 453381   | 47.912  | ng    | 98       |
| 66) n-Nitrosodiphenylamine    | 15.651 | 169  | 2867339  | 52.672  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.333 | 248  | 999973   | 54.124  | ng    | 97       |
| 68) Hexachlorobenzene         | 16.445 | 284  | 1156890  | 53.594  | ng    | 96       |
| 69) Atrazine                  | 16.604 | 200  | 964181   | 55.587  | ng    | 99       |
| 70) Pentachlorophenol         | 16.786 | 266  | 1514137  | 107.889 | ng    | 99       |
| 71) Phenanthrene              | 17.174 | 178  | 5005231  | 50.571  | ng    | 99       |
| 72) Anthracene                | 17.268 | 178  | 5062533  | 51.130  | ng    | 100      |
| 73) Carbazole                 | 17.533 | 167  | 4587470  | 50.857  | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.109 | 149  | 5492575  | 55.962  | ng    | 100      |
| 75) Fluoranthene              | 19.192 | 202  | 5412522  | 51.856  | ng    | 99       |
| 77) Benzidine                 | 19.374 | 184  | 2347379  | 51.180  | ng    | 100      |
| 78) Pyrene                    | 19.550 | 202  | 5644253  | 51.344  | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.462 | 149  | 2197120  | 59.918  | ng    | 98       |
| 81) Benzo(a)anthracene        | 21.344 | 228  | 5337943  | 51.707  | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 21.268 | 252  | 1247674  | 39.632  | ng    | 99       |
| 83) Chrysene                  | 21.409 | 228  | 5090634  | 51.840  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.292 | 149  | 3363446  | 59.549  | ng    | 100      |
| 85) Di-n-octyl phthalate      | 22.421 | 149  | 5420515  | 64.674  | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 27.691 | 276  | 6686247  | 58.782  | ng    | 100      |
| 88) Benzo(b)fluoranthene      | 23.403 | 252  | 5441573  | 52.980  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 23.462 | 252  | 5481028  | 52.274  | ng    | 99       |
| 90) Benzo(a)pyrene            | 24.197 | 252  | 5225589  | 54.112  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 27.756 | 278  | 5439587  | 58.916  | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 28.738 | 276  | 5451723  | 58.996  | ng    | 99       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 7 Sample Multiplier: 1

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ClientSampleId :  
ARS20-0032MSD

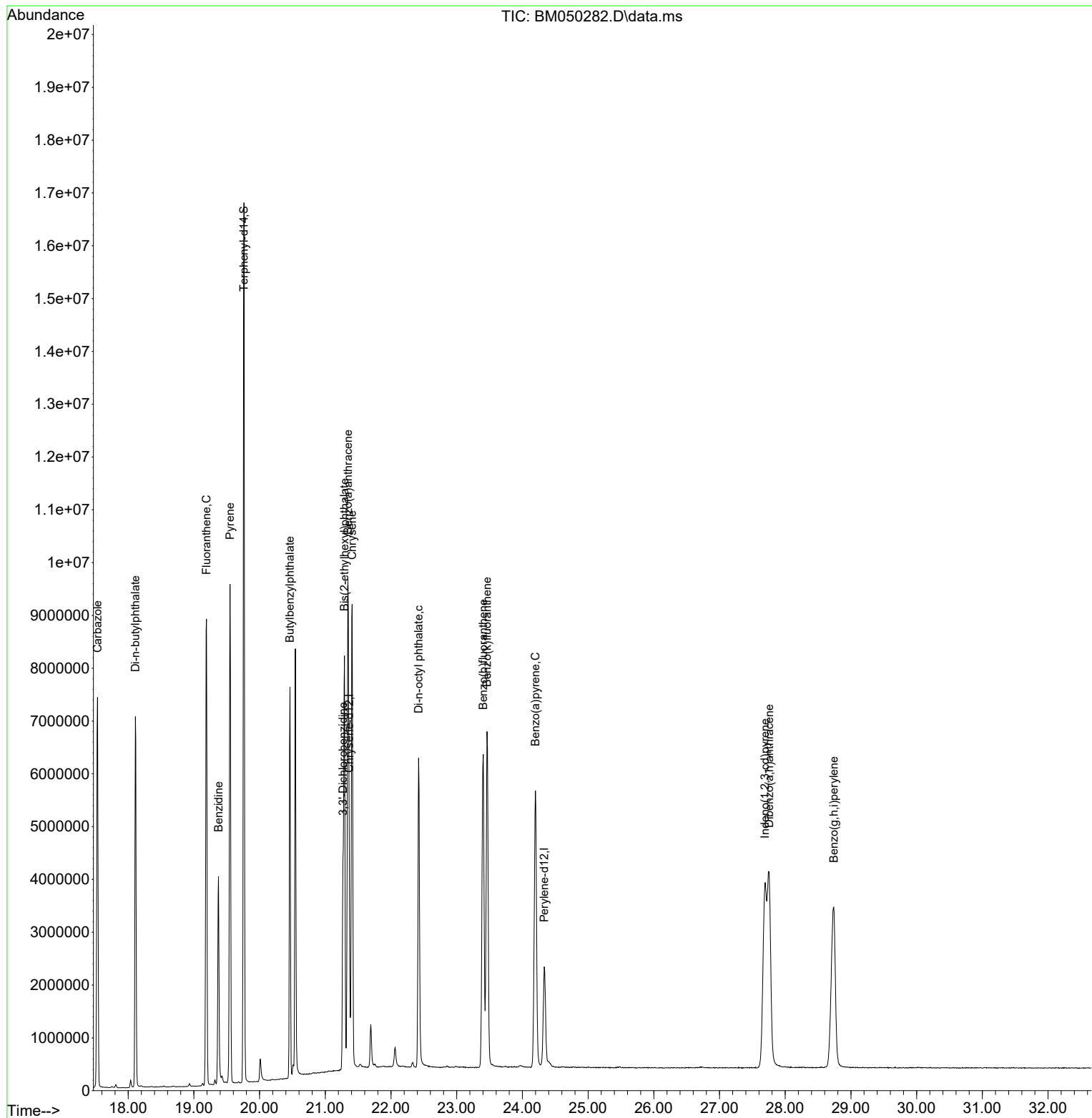
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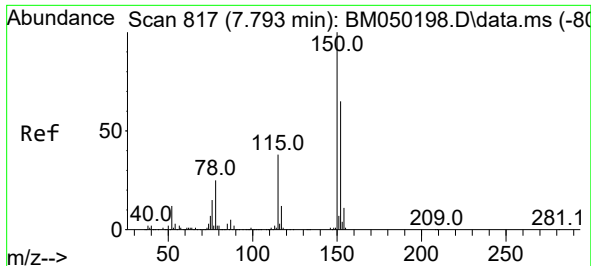


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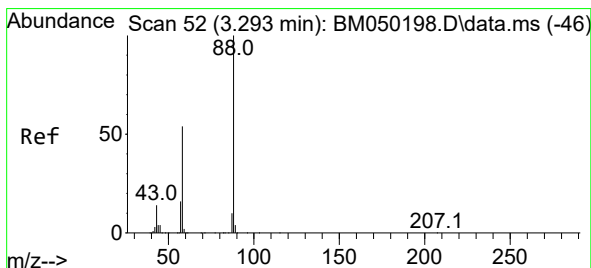
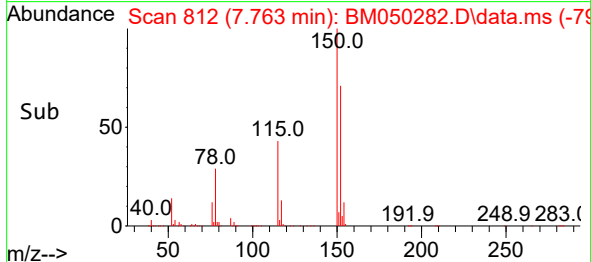
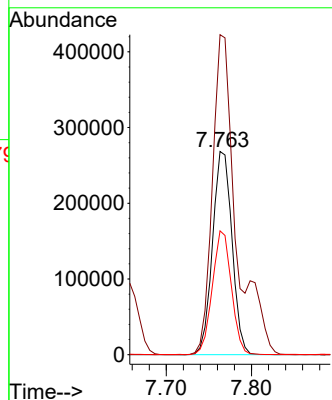
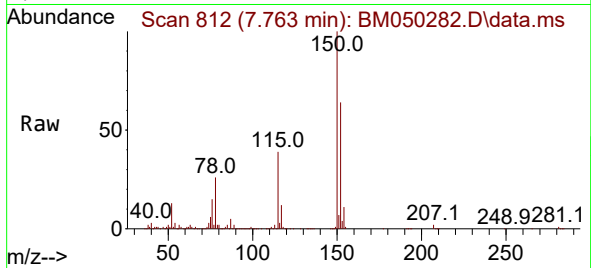




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.763 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BM050282.D  
Acq: 11 Jun 2025 20:02

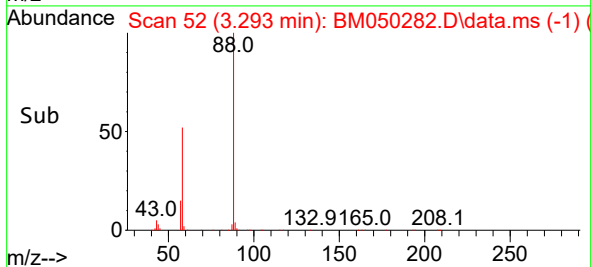
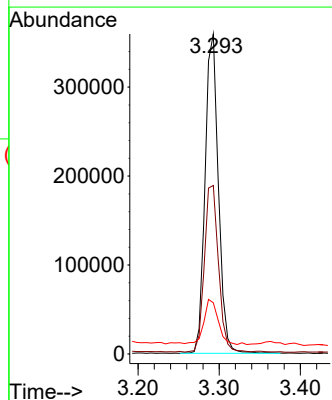
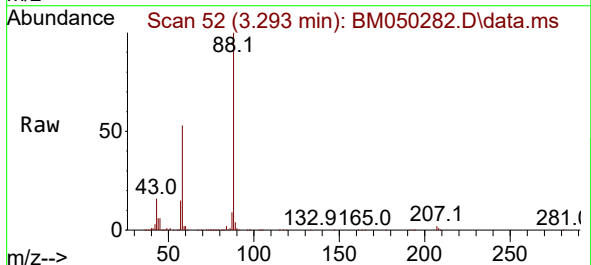
Instrument :  
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ARS20-0032MSD

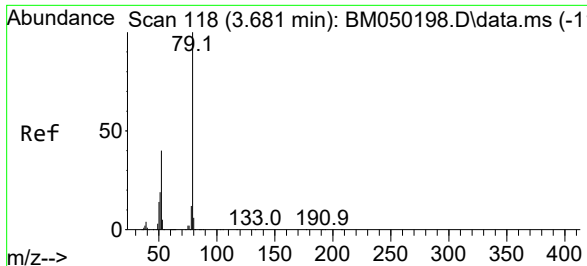
Tgt Ion:152 Resp: 426249  
Ion Ratio Lower Upper  
152 100  
150 157.5 122.2 183.4  
115 60.9 46.3 69.5



#2  
1,4-Dioxane  
Concen: 36.503 ng  
RT: 3.293 min Scan# 52  
Delta R.T. 0.012 min  
Lab File: BM050282.D  
Acq: 11 Jun 2025 20:02

Tgt Ion: 88 Resp: 408855  
Ion Ratio Lower Upper  
88 100  
58 55.1 42.9 64.3  
43 15.0 11.0 16.6

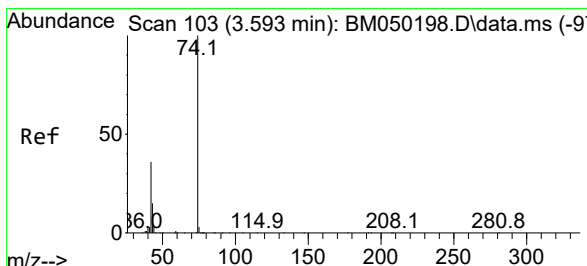
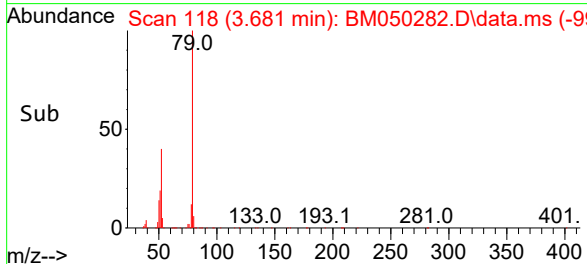
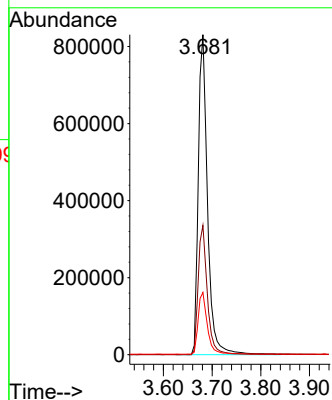
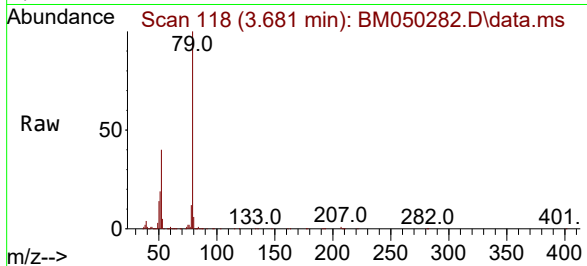




#3  
Pyridine  
Concen: 37.863 ng  
RT: 3.681 min Scan# 118  
Delta R.T. 0.012 min  
Lab File: BM050282.D  
Acq: 11 Jun 2025 20:02

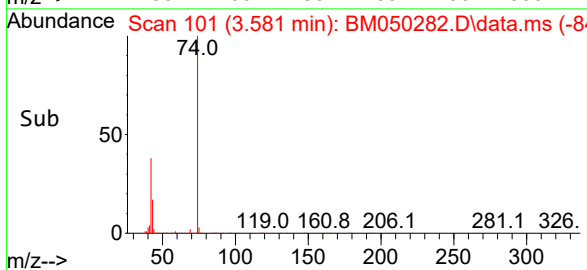
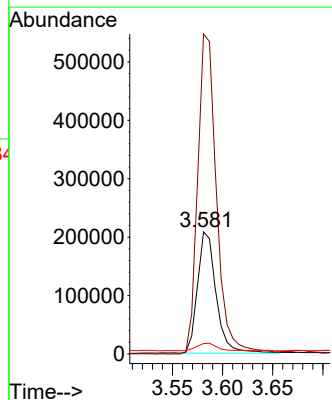
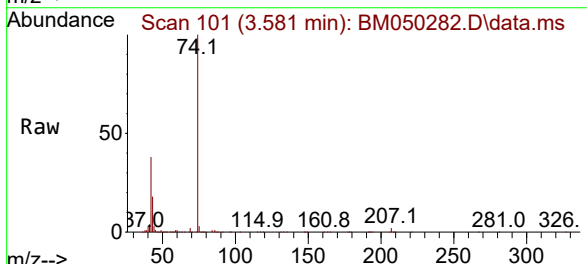
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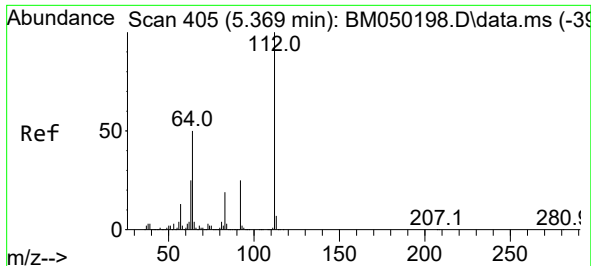
Tgt Ion: 79 Resp: 1098257  
Ion Ratio Lower Upper  
79 100  
52 40.4 32.1 48.1  
51 19.5 15.4 23.0



#4  
n-Nitrosodimethylamine  
Concen: 44.680 ng  
RT: 3.581 min Scan# 101  
Delta R.T. 0.000 min  
Lab File: BM050282.D  
Acq: 11 Jun 2025 20:02

Tgt Ion: 42 Resp: 267991  
Ion Ratio Lower Upper  
42 100  
74 262.2 222.0 333.0  
44 8.5 7.0 10.6

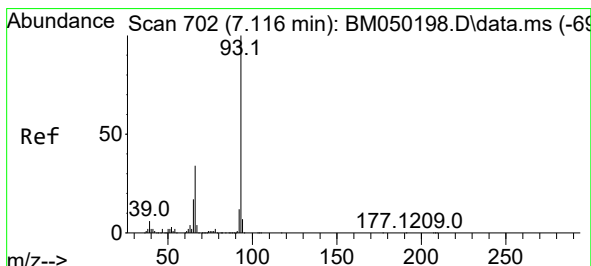
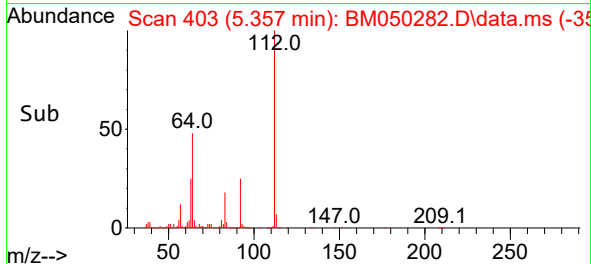
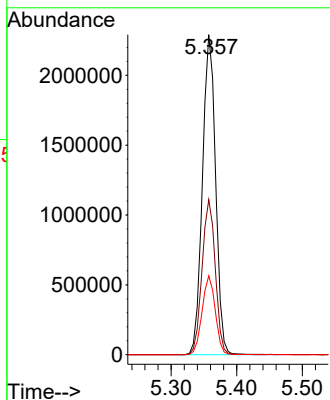
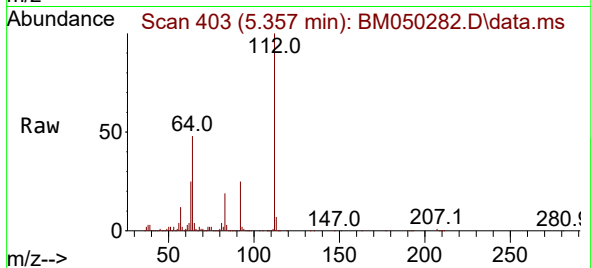




#5  
2-Fluorophenol  
Concen: 125.621 ng  
RT: 5.357 min Scan# 405  
Delta R.T. -0.000 min  
Lab File: BM050282.D  
Acq: 11 Jun 2025 20:02

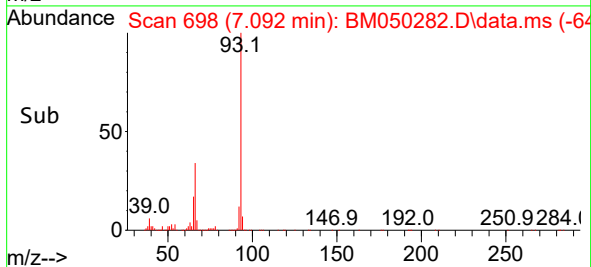
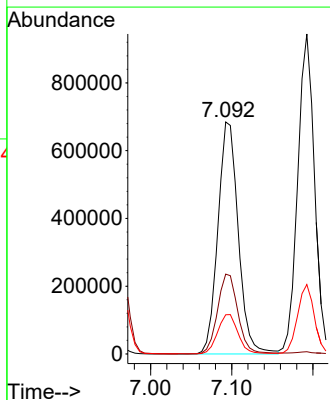
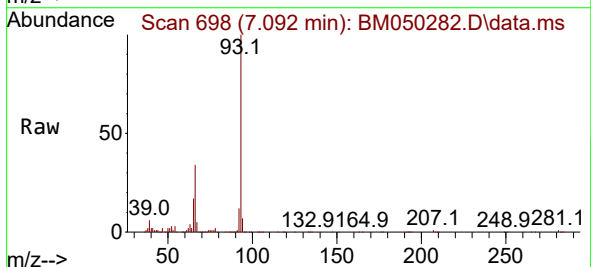
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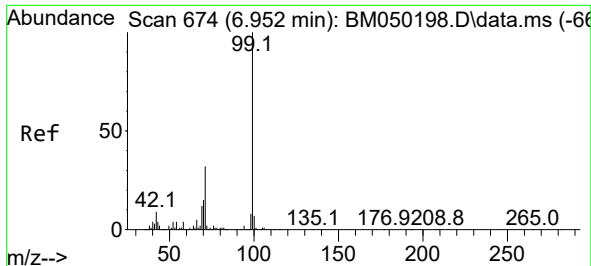
Tgt Ion:112 Resp: 3209903  
Ion Ratio Lower Upper  
112 100  
64 48.5 39.8 59.6  
63 24.6 19.8 29.8



#6  
Aniline  
Concen: 26.884 ng  
RT: 7.092 min Scan# 698  
Delta R.T. -0.000 min  
Lab File: BM050282.D  
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Tgt Ion: 93 Resp: 1195452  
Ion Ratio Lower Upper  
93 100  
66 34.4 27.4 41.2  
65 16.9 13.6 20.4

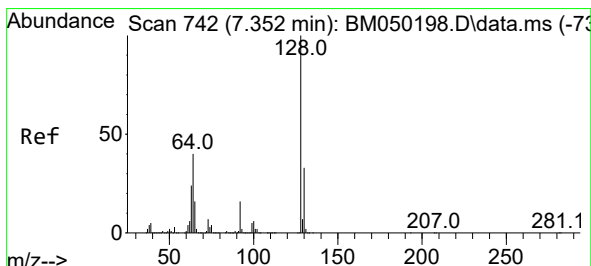
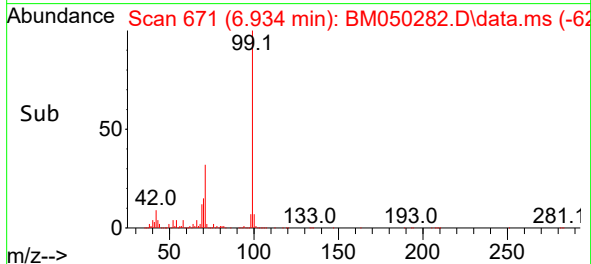
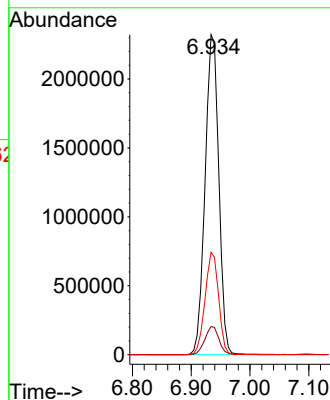
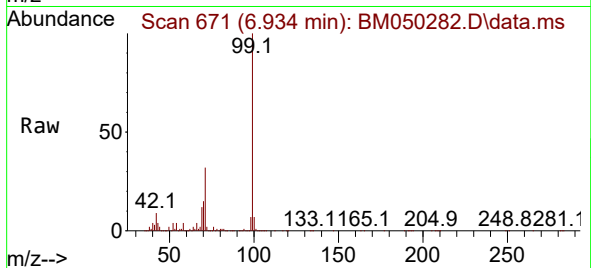




#7  
Phenol-d6  
Concen: 111.994 ng  
RT: 6.934 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: BM050282.D  
Acq: 11 Jun 2025 20:02

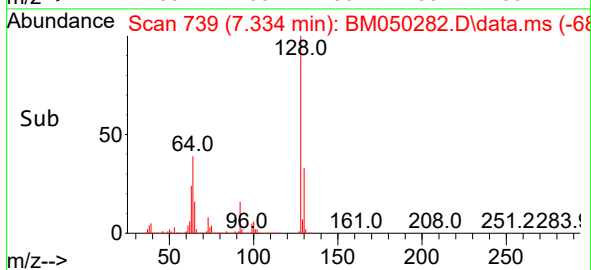
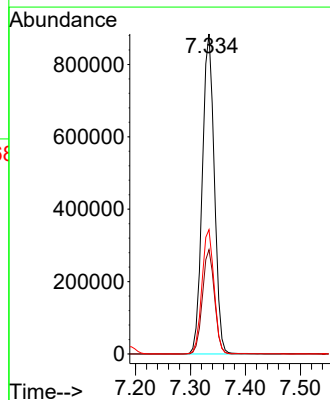
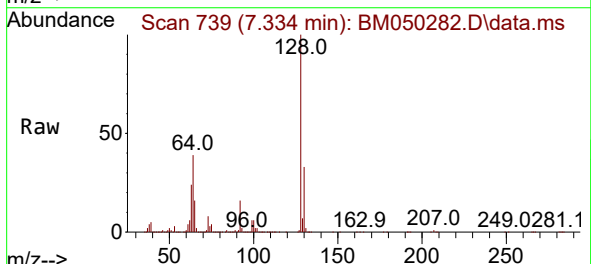
Instrument :  
BNA\_M  
ClientSampleId :  
ARS20-0032MSD

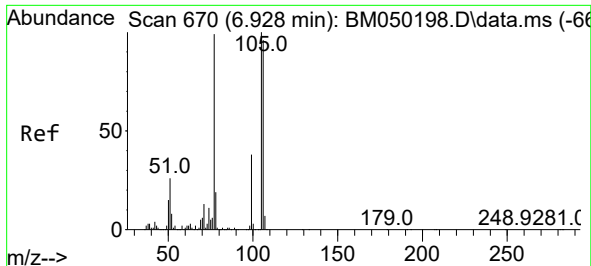
Tgt Ion: 99 Resp: 3767175  
Ion Ratio Lower Upper  
99 100  
42 8.8 6.9 10.3  
71 32.0 25.3 37.9



#8  
2-Chlorophenol  
Concen: 47.927 ng  
RT: 7.334 min Scan# 739  
Delta R.T. 0.000 min  
Lab File: BM050282.D  
Acq: 11 Jun 2025 20:02

Tgt Ion: 128 Resp: 1347040  
Ion Ratio Lower Upper  
128 100  
130 32.6 12.6 52.6  
64 38.8 19.8 59.8

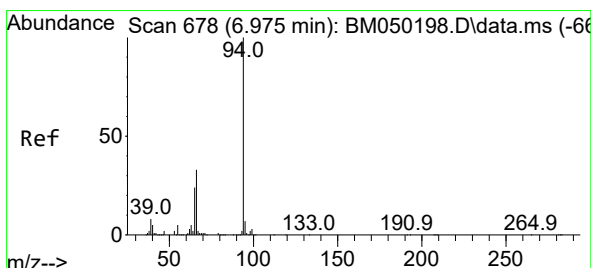
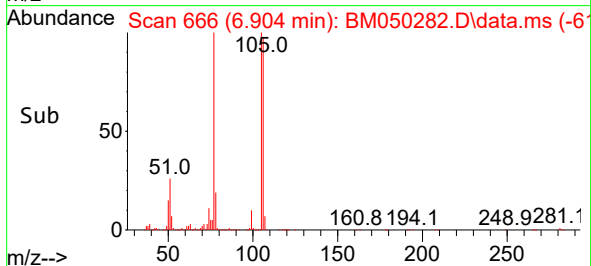
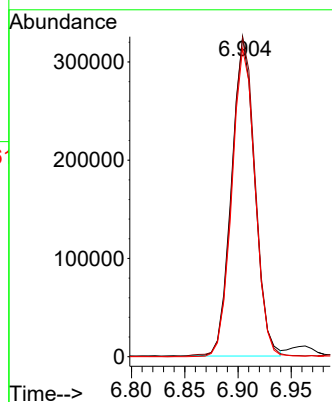
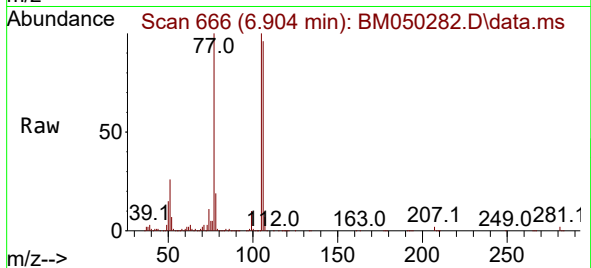




#9  
Benzaldehyde  
Concen: 22.996 ng  
RT: 6.904 min Scan# 60  
Delta R.T. -0.006 min  
Lab File: BM050282.D  
Acq: 11 Jun 2025 20:02

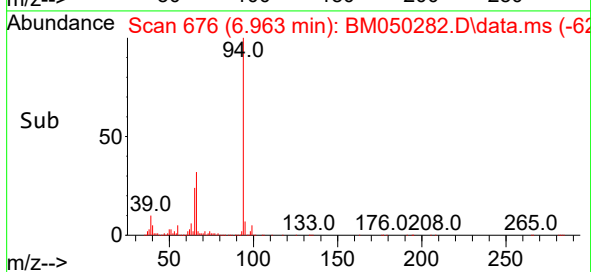
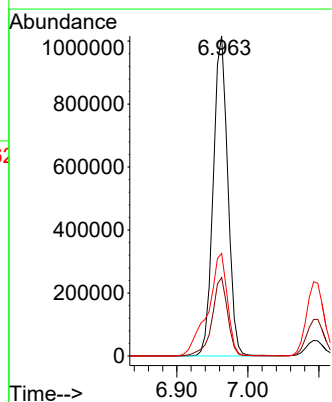
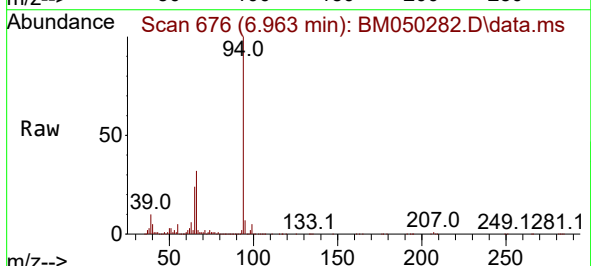
Instrument :  
BNA\_M  
ClientSampleId :  
ARS20-0032MSD

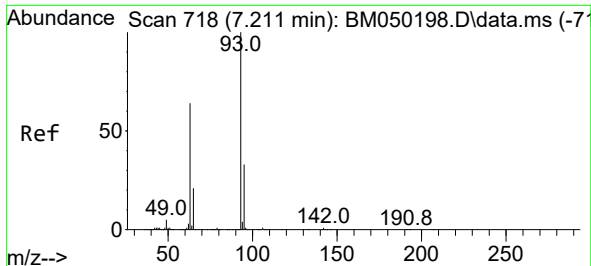
Tgt Ion: 77 Resp: 491794  
Ion Ratio Lower Upper  
77 100  
105 99.7 80.9 120.9  
106 96.3 77.1 117.1



#10  
Phenol  
Concen: 40.534 ng  
RT: 6.963 min Scan# 676  
Delta R.T. 0.006 min  
Lab File: BM050282.D  
Acq: 11 Jun 2025 20:02

Tgt Ion: 94 Resp: 1442613  
Ion Ratio Lower Upper  
94 100  
65 24.5 4.3 44.3  
66 32.1 12.9 52.9

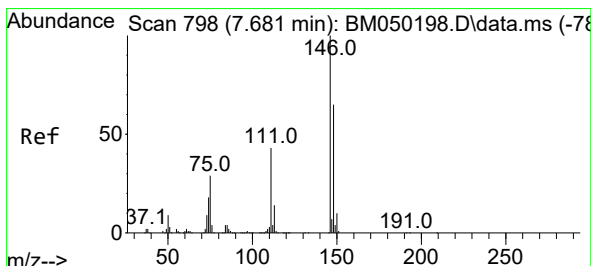
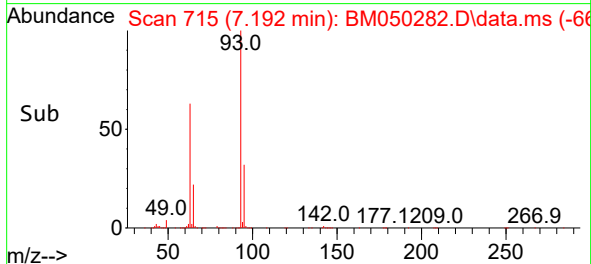
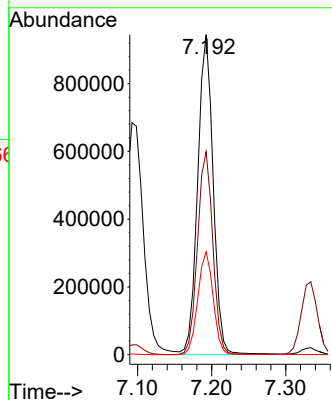
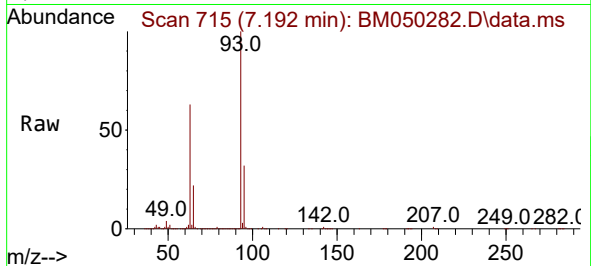




#11  
bis(2-Chloroethyl)ether  
Concen: 47.743 ng  
RT: 7.192 min Scan# 715  
Delta R.T. 0.000 min  
Lab File: BM050282.D  
Acq: 11 Jun 2025 20:02

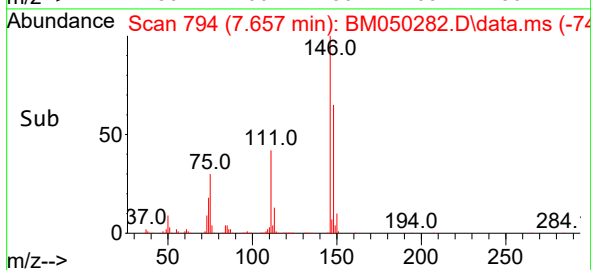
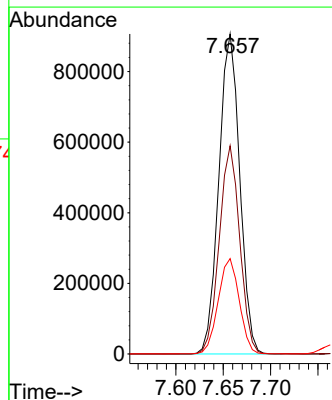
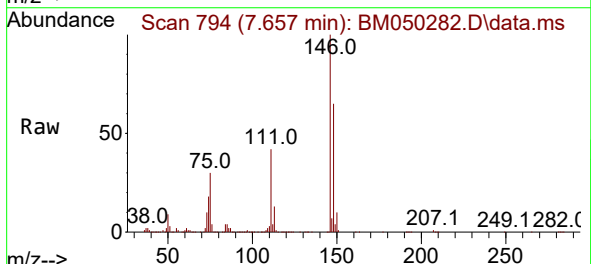
Instrument :  
BNA\_M  
ClientSampleId :  
ARS20-0032MSD

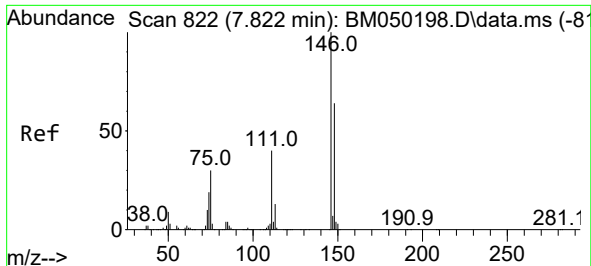
Tgt Ion: 93 Resp: 1366721  
Ion Ratio Lower Upper  
93 100  
63 63.5 43.9 83.9  
95 32.2 12.7 52.7



#12  
1,3-Dichlorobenzene  
Concen: 44.306 ng  
RT: 7.657 min Scan# 794  
Delta R.T. -0.000 min  
Lab File: BM050282.D  
Acq: 11 Jun 2025 20:02

Tgt Ion:146 Resp: 1392160  
Ion Ratio Lower Upper  
146 100  
148 65.1 51.9 77.9  
75 29.8 23.4 35.0

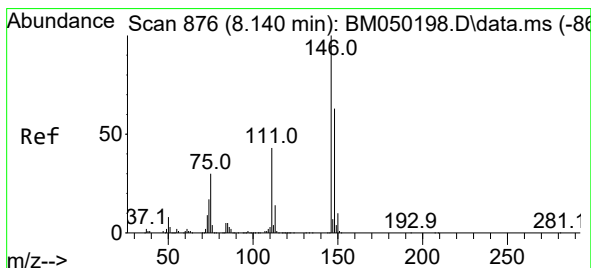
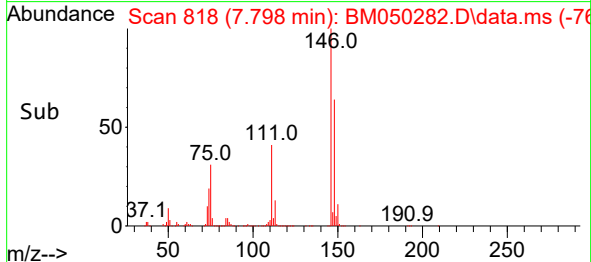
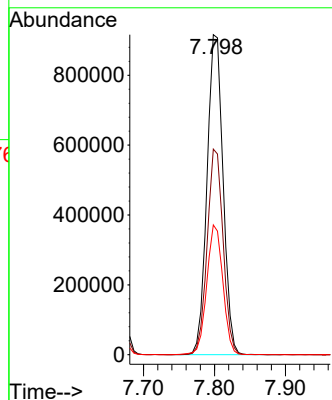
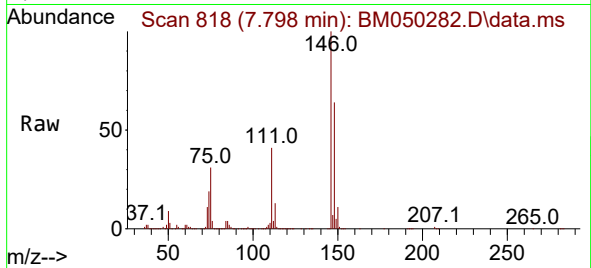




#13  
1,4-Dichlorobenzene  
Concen: 44.099 ng  
RT: 7.798 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BM050282.D  
Acq: 11 Jun 2025 20:02

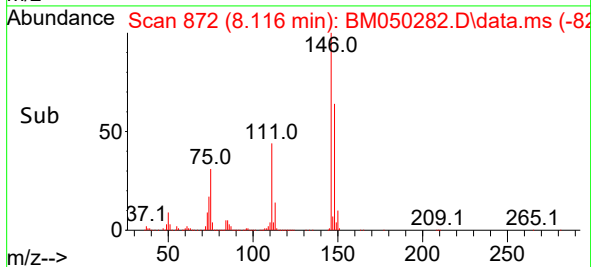
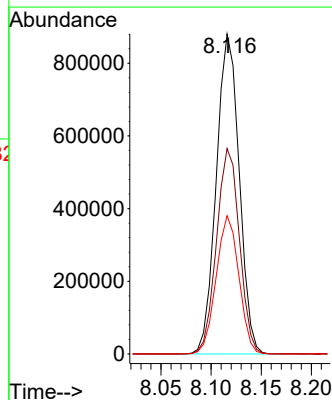
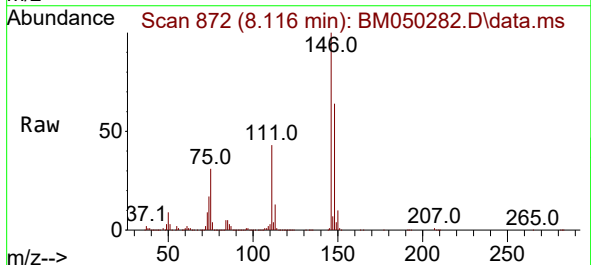
Instrument :  
BNA\_M  
ClientSampleId :  
ARS20-0032MSD

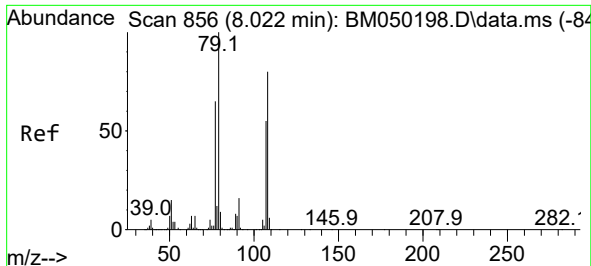
Tgt Ion:146 Resp: 1441709  
Ion Ratio Lower Upper  
146 100  
148 64.2 51.4 77.0  
111 40.5 32.3 48.5



#14  
1,2-Dichlorobenzene  
Concen: 44.795 ng  
RT: 8.116 min Scan# 872  
Delta R.T. -0.006 min  
Lab File: BM050282.D  
Acq: 11 Jun 2025 20:02

Tgt Ion:146 Resp: 1396061  
Ion Ratio Lower Upper  
146 100  
148 64.2 50.4 75.6  
111 43.2 34.3 51.5

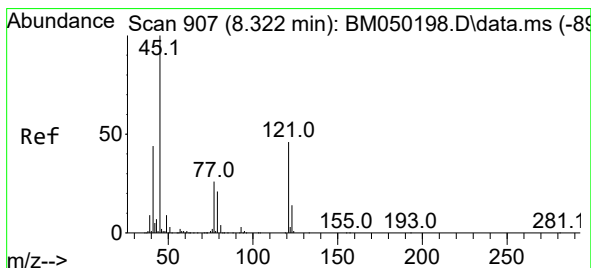
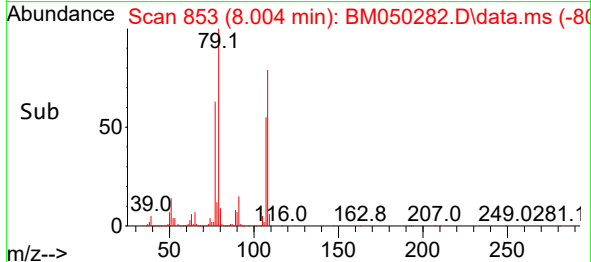
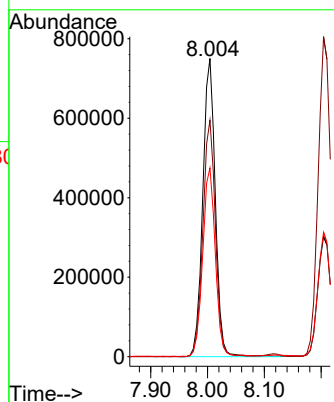
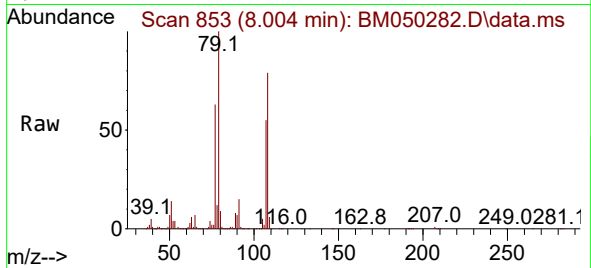




#15  
Benzyl Alcohol  
Concen: 47.751 ng  
RT: 8.004 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: BM050282.D  
Acq: 11 Jun 2025 20:02

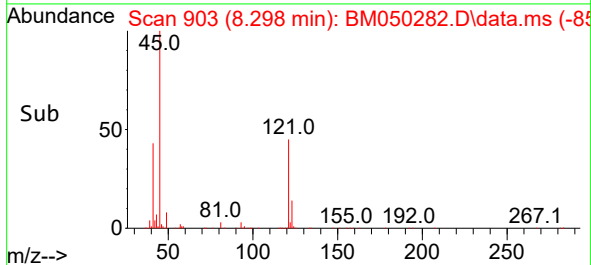
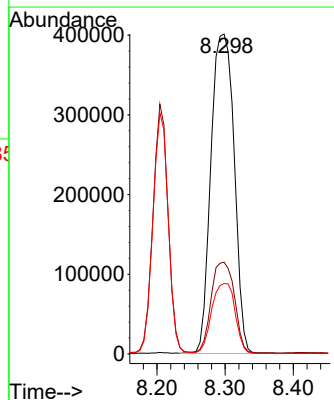
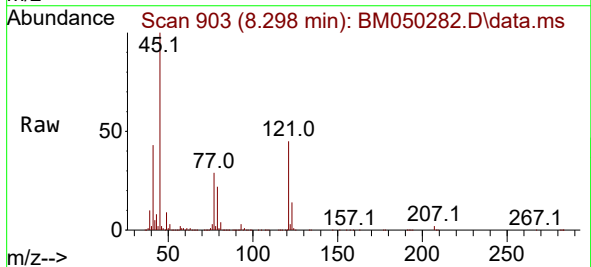
Instrument :  
BNA\_M  
ClientSampleId :  
ARS20-0032MSD

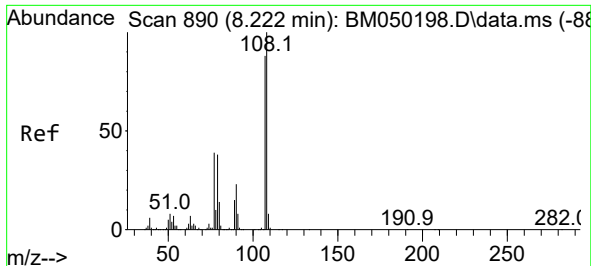
Tgt Ion: 79 Resp: 1145606  
Ion Ratio Lower Upper  
79 100  
108 79.3 64.0 96.0  
77 63.3 52.2 78.2



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 47.731 ng  
RT: 8.298 min Scan# 903  
Delta R.T. 0.006 min  
Lab File: BM050282.D  
Acq: 11 Jun 2025 20:02

Tgt Ion: 45 Resp: 949191  
Ion Ratio Lower Upper  
45 100  
77 28.7 8.7 48.7  
79 22.0 2.7 42.7

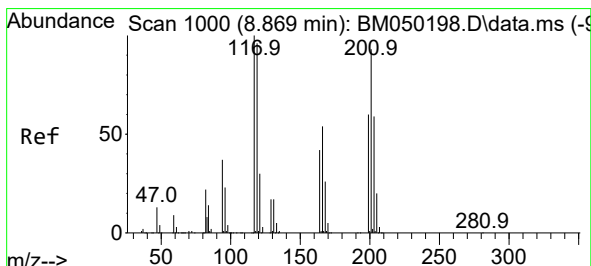
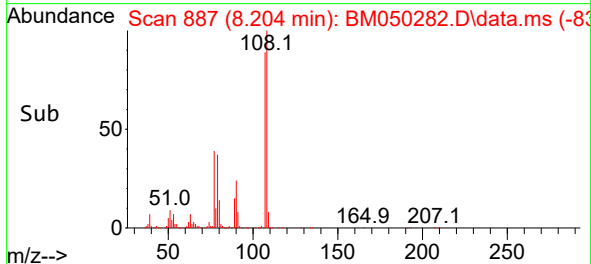
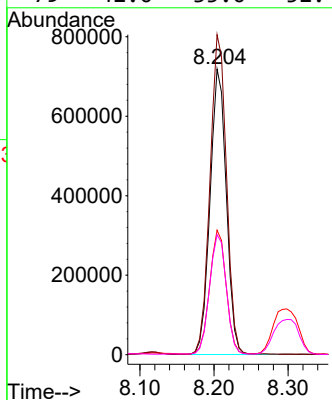
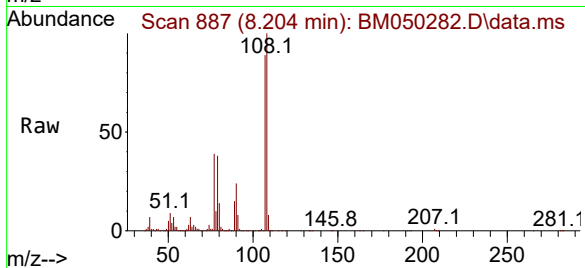




#17  
2-Methylphenol  
Concen: 46.651 ng  
RT: 8.204 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BM050282.D  
Acq: 11 Jun 2025 20:02

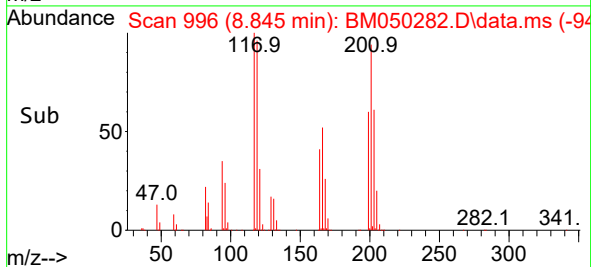
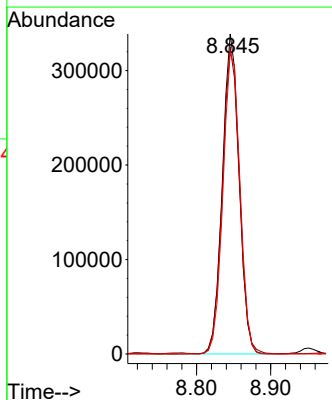
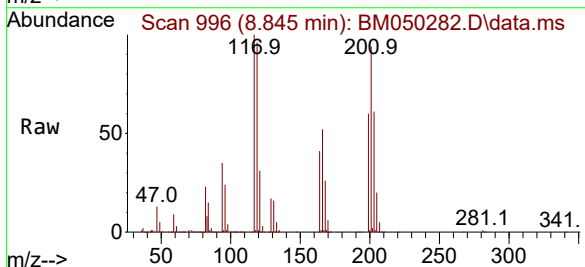
Instrument :  
BNA\_M  
ClientSampleId :  
ARS20-0032MSD

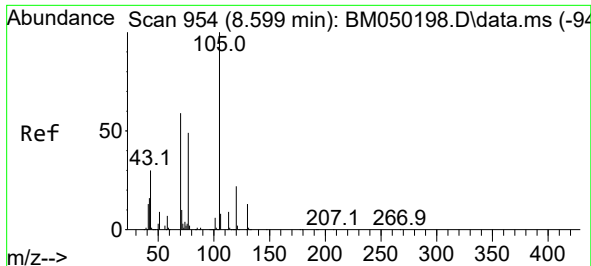
Tgt Ion:107 Resp: 1095501  
Ion Ratio Lower Upper  
107 100  
108 112.0 90.8 136.2  
77 43.6 35.7 53.5  
79 42.0 35.0 52.4



#18  
Hexachloroethane  
Concen: 45.048 ng  
RT: 8.845 min Scan# 996  
Delta R.T. -0.006 min  
Lab File: BM050282.D  
Acq: 11 Jun 2025 20:02

Tgt Ion:117 Resp: 533338  
Ion Ratio Lower Upper  
117 100  
119 95.8 77.0 115.6  
201 94.2 74.6 111.8

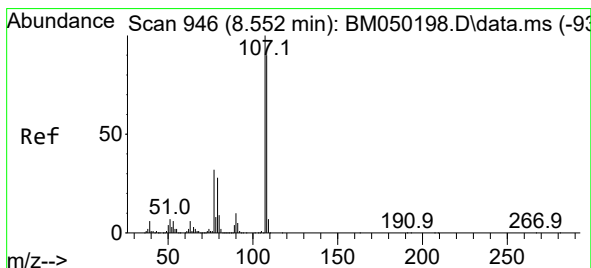
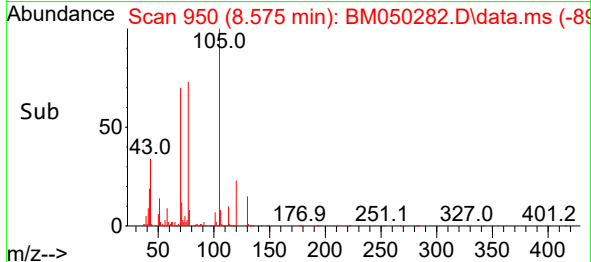
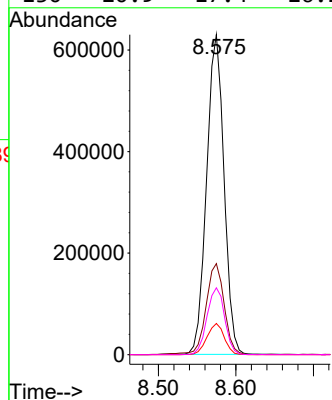
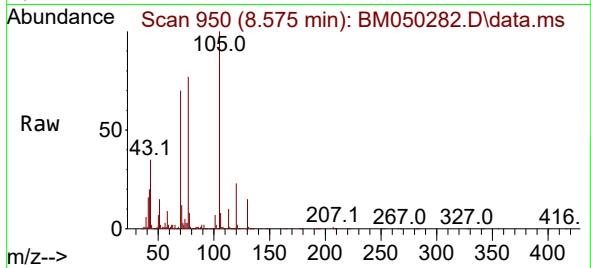




#19  
n-Nitroso-di-n-propylamine  
Concen: 47.691 ng  
RT: 8.575 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BM050282.D  
Acq: 11 Jun 2025 20:02

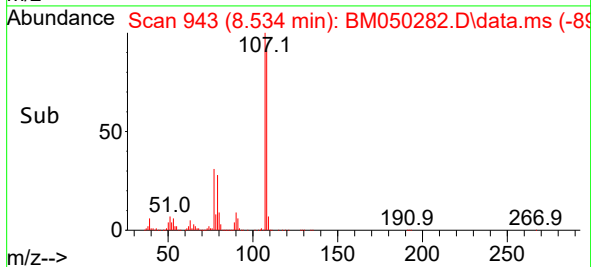
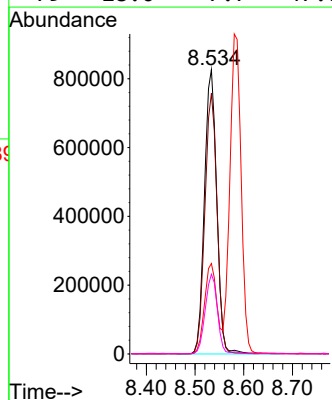
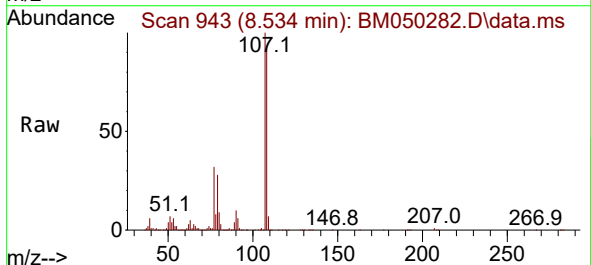
Instrument :  
BNA\_M  
ClientSampleId :  
ARS20-0032MSD

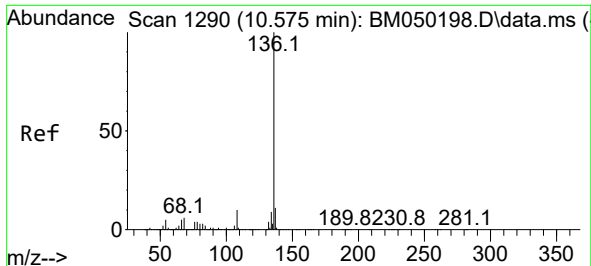
Tgt Ion: 70 Resp: 981685  
Ion Ratio Lower Upper  
70 100  
42 28.5 22.6 33.8  
101 9.8 8.3 12.5  
130 20.9 17.4 26.2



#20  
3+4-Methylphenols  
Concen: 45.869 ng  
RT: 8.534 min Scan# 943  
Delta R.T. -0.000 min  
Lab File: BM050282.D  
Acq: 11 Jun 2025 20:02

Tgt Ion:107 Resp: 1441125  
Ion Ratio Lower Upper  
107 100  
108 91.7 70.4 110.4  
77 31.8 12.2 52.2  
79 28.0 7.7 47.7

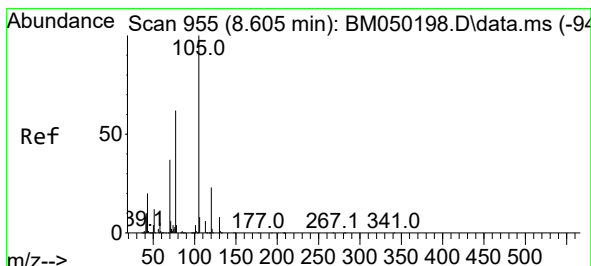
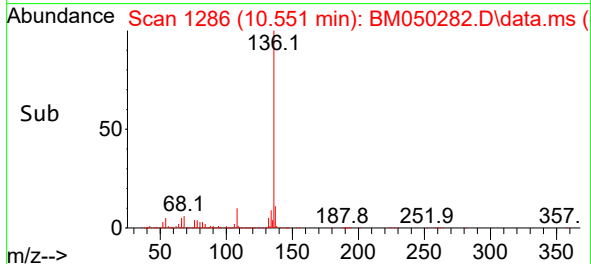
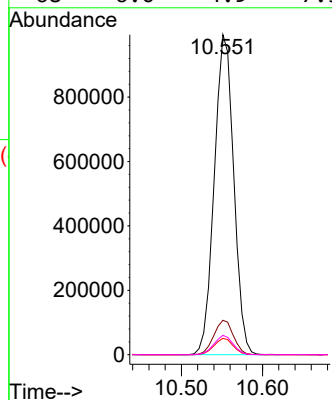
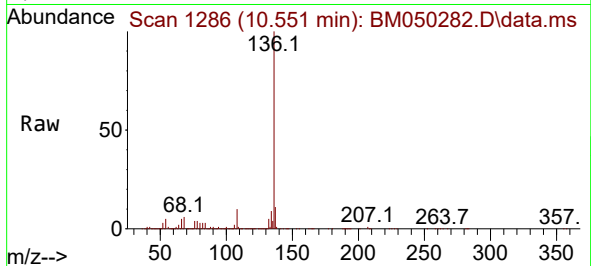




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.551 min Scan# 1286  
Delta R.T. -0.006 min  
Lab File: BM050282.D  
Acq: 11 Jun 2025 20:02

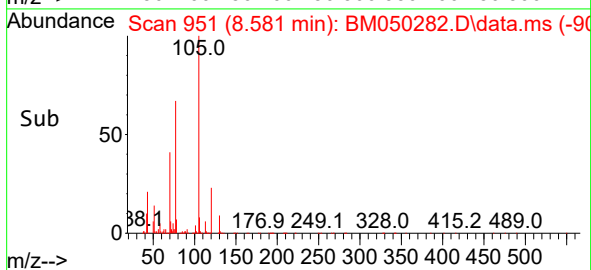
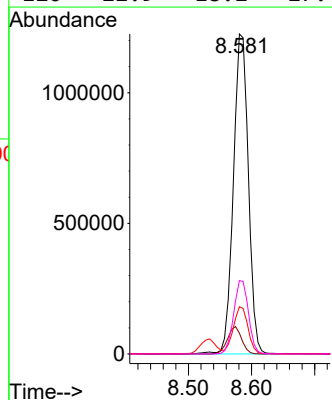
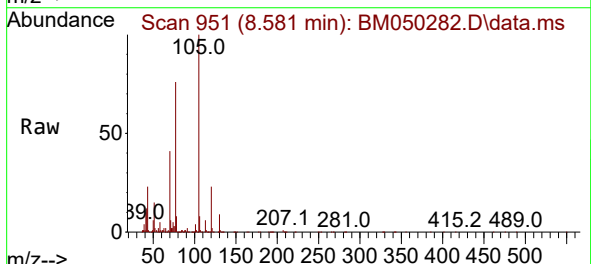
Instrument :  
BNA\_M  
ClientSampleId :  
ARS20-0032MSD

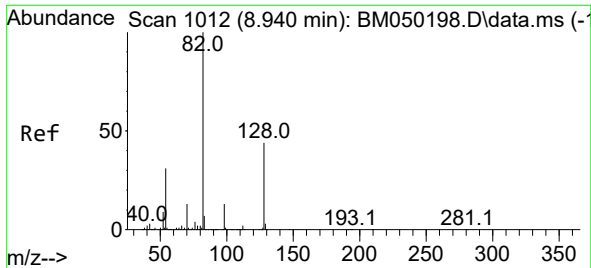
Tgt Ion:136 Resp: 1656086  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.6 13.0  
54 5.1 3.8 5.8  
68 6.0 4.9 7.3



#22  
Acetophenone  
Concen: 48.835 ng  
RT: 8.581 min Scan# 951  
Delta R.T. -0.006 min  
Lab File: BM050282.D  
Acq: 11 Jun 2025 20:02

Tgt Ion:105 Resp: 2020483  
Ion Ratio Lower Upper  
105 100  
71 6.5 5.0 7.4  
51 14.7 11.4 17.2  
120 22.9 18.2 27.4





#23

Nitrobenzene-d5

Concen: 87.997 ng

RT: 8.916 min Scan# 1008

Delta R.T. 0.000 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

Instrument :

BNA\_M

ClientSampleId :

ARS20-0032MSD

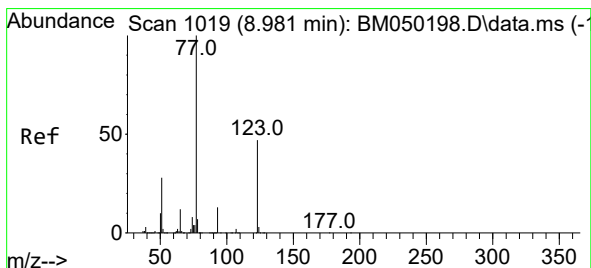
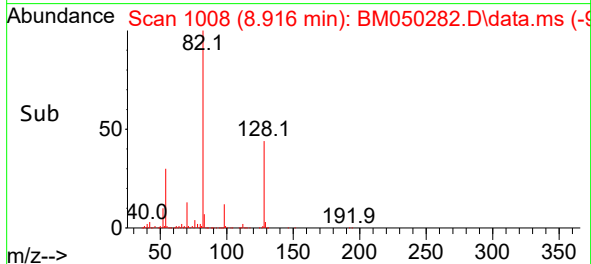
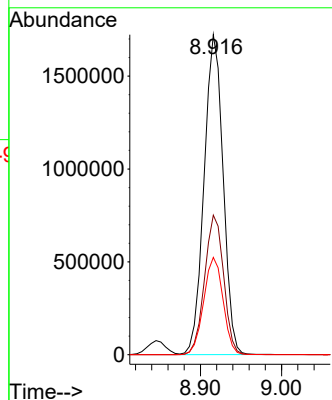
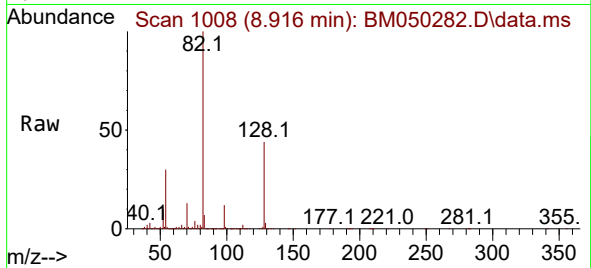
Tgt Ion: 82 Resp: 2802069

Ion Ratio Lower Upper

82 100

128 43.6 35.2 52.8

54 30.4 24.5 36.7



#24

Nitrobenzene

Concen: 50.254 ng

RT: 8.957 min Scan# 1015

Delta R.T. -0.006 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

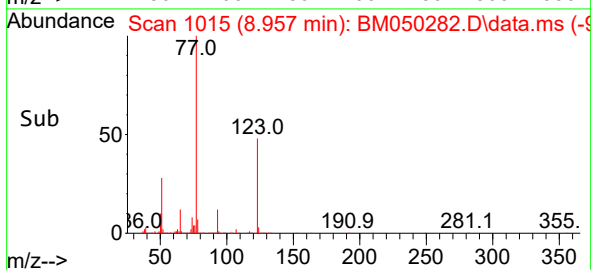
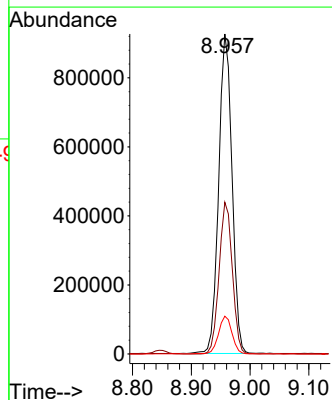
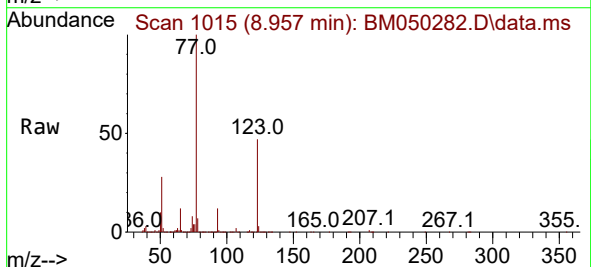
Tgt Ion: 77 Resp: 1455364

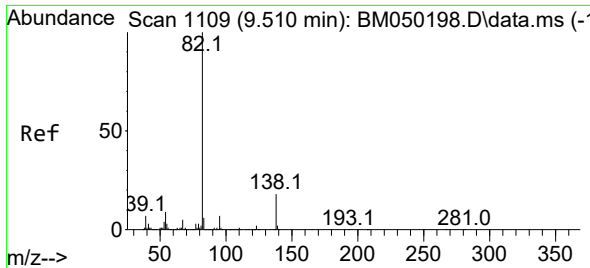
Ion Ratio Lower Upper

77 100

123 47.4 38.2 57.2

65 11.8 9.5 14.3

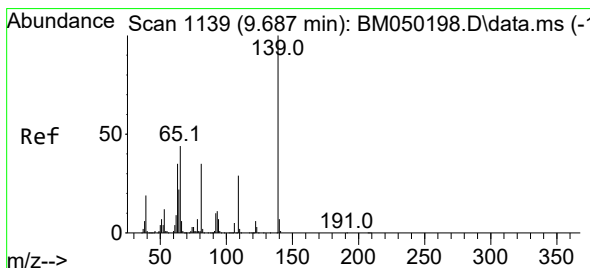
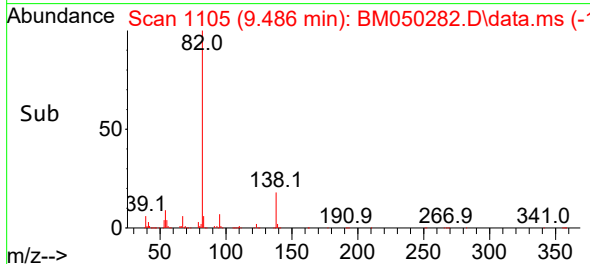
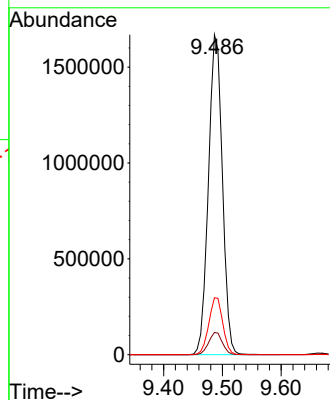
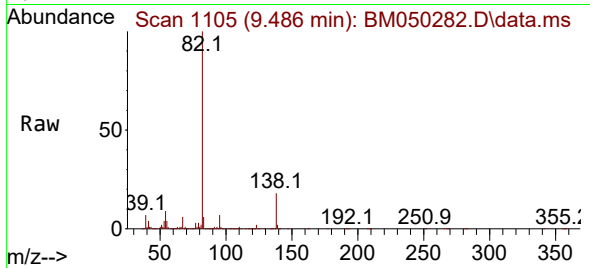




#25  
Isophorone  
Concen: 49.931 ng  
RT: 9.486 min Scan# 1105  
Delta R.T. 0.000 min  
Lab File: BM050282.D  
Acq: 11 Jun 2025 20:02

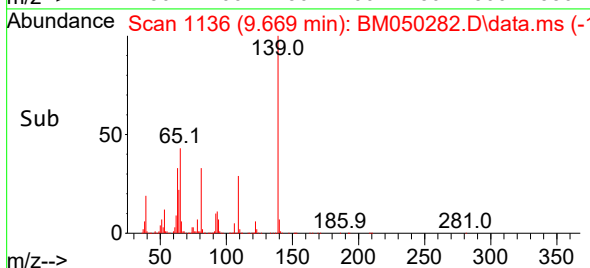
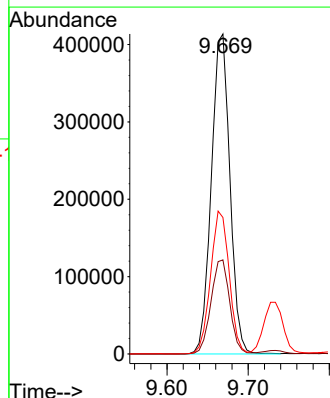
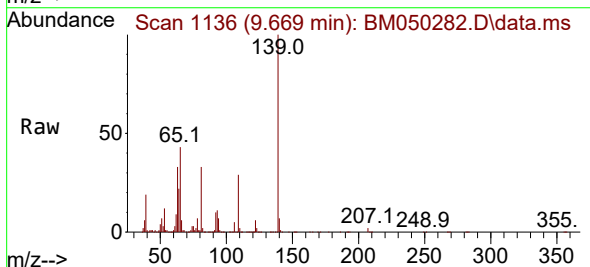
Instrument :  
BNA\_M  
ClientSampleId :  
ARS20-0032MSD

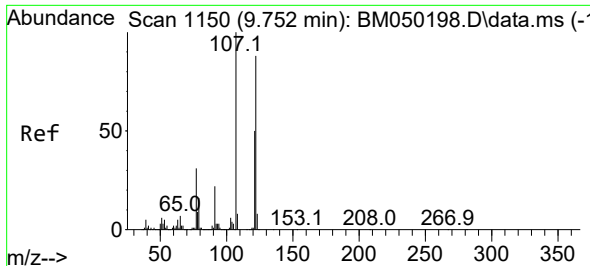
Tgt Ion: 82 Resp: 2744229  
Ion Ratio Lower Upper  
82 100  
95 7.0 5.7 8.5  
138 17.8 14.2 21.2



#26  
2-Nitrophenol  
Concen: 52.581 ng  
RT: 9.669 min Scan# 1136  
Delta R.T. -0.000 min  
Lab File: BM050282.D  
Acq: 11 Jun 2025 20:02

Tgt Ion:139 Resp: 657319  
Ion Ratio Lower Upper  
139 100  
109 29.4 23.3 34.9  
65 42.7 35.2 52.8

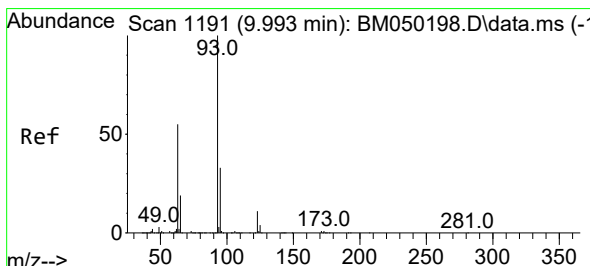
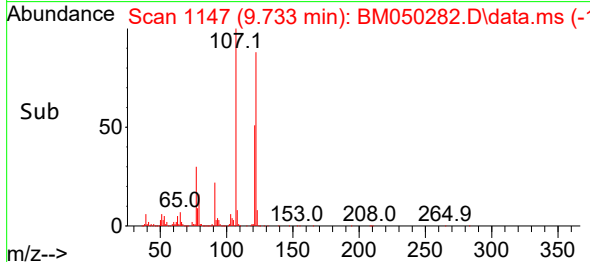
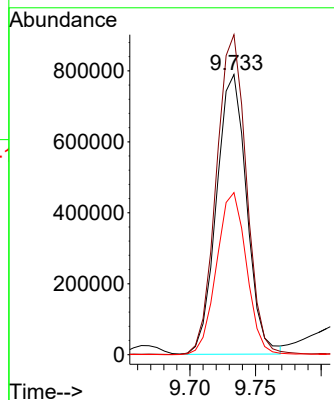
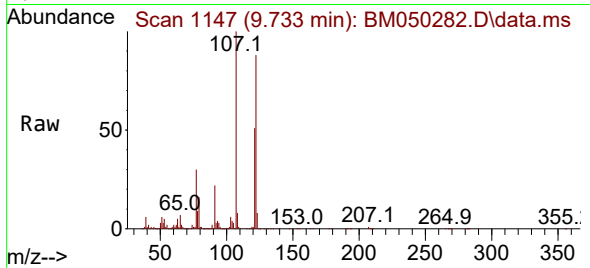




#27  
2,4-Dimethylphenol  
Concen: 49.154 ng  
RT: 9.733 min Scan# 1147  
Delta R.T. -0.000 min  
Lab File: BM050282.D  
Acq: 11 Jun 2025 20:02

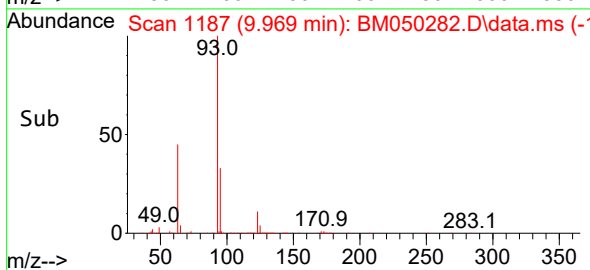
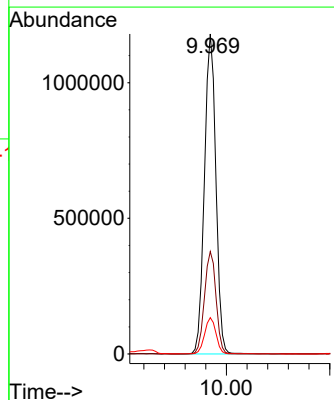
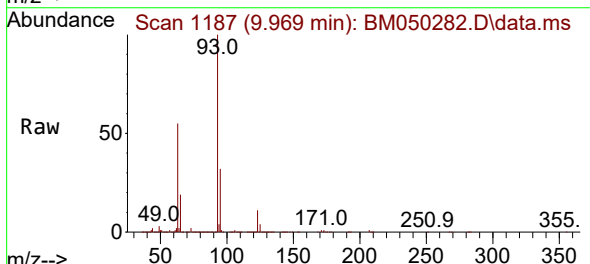
Instrument :  
BNA\_M  
ClientSampleId :  
ARS20-0032MSD

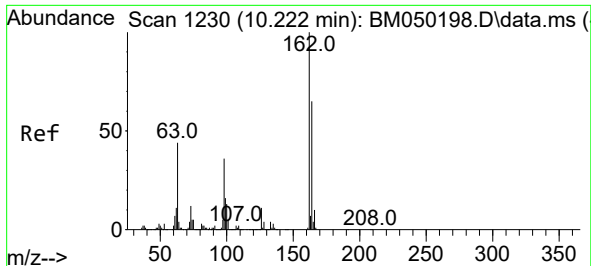
Tgt Ion:122 Resp: 1262564  
Ion Ratio Lower Upper  
122 100  
107 114.2 91.0 136.6  
121 57.8 45.8 68.6



#28  
bis(2-Chloroethoxy)methane  
Concen: 50.488 ng  
RT: 9.969 min Scan# 1187  
Delta R.T. -0.000 min  
Lab File: BM050282.D  
Acq: 11 Jun 2025 20:02

Tgt Ion: 93 Resp: 1812743  
Ion Ratio Lower Upper  
93 100  
95 32.0 26.2 39.4  
123 11.4 8.9 13.3





#29

2,4-Dichlorophenol

Concen: 52.277 ng

RT: 10.198 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

Instrument :

BNA\_M

ClientSampleId :

ARS20-0032MSD

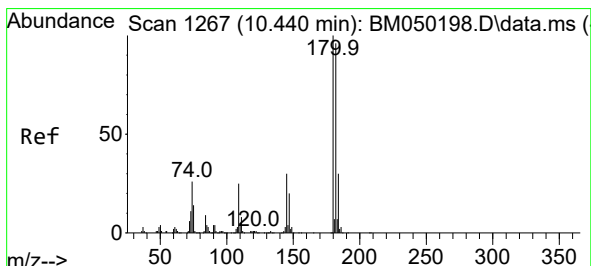
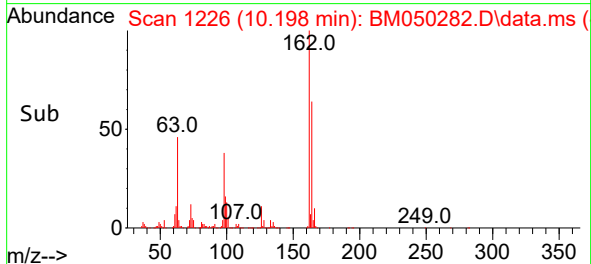
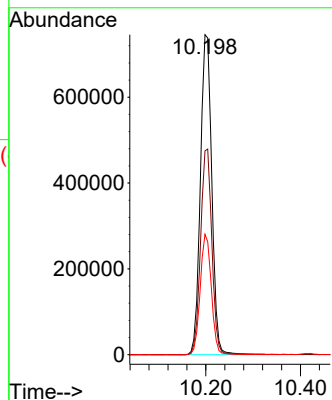
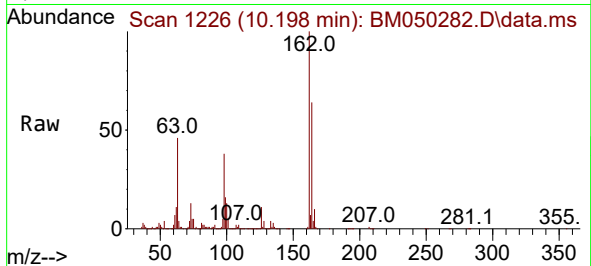
Tgt Ion:162 Resp: 1242582

Ion Ratio Lower Upper

162 100

164 63.7 45.0 85.0

98 37.6 16.3 56.3



#30

1,2,4-Trichlorobenzene

Concen: 49.108 ng

RT: 10.416 min Scan# 1263

Delta R.T. -0.006 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

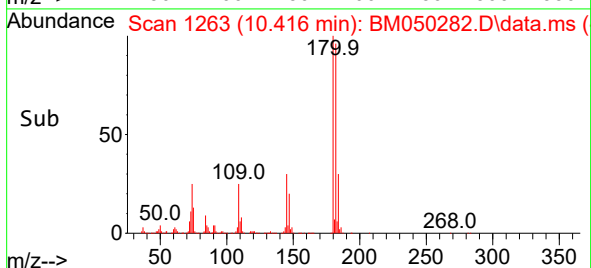
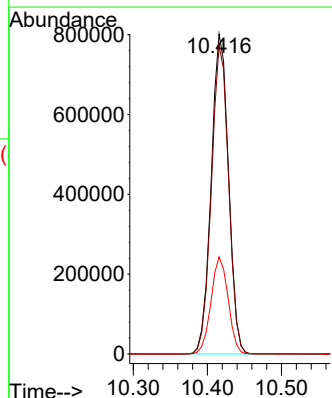
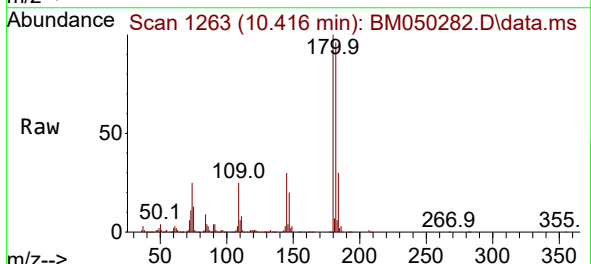
Tgt Ion:180 Resp: 1298922

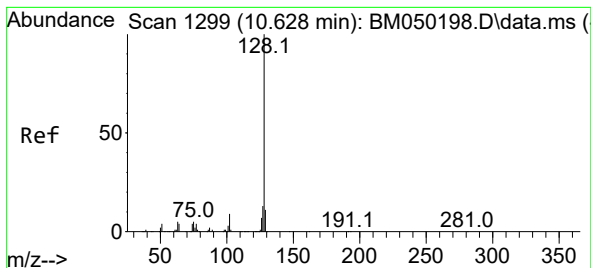
Ion Ratio Lower Upper

180 100

182 96.5 76.6 114.8

145 30.4 24.2 36.4

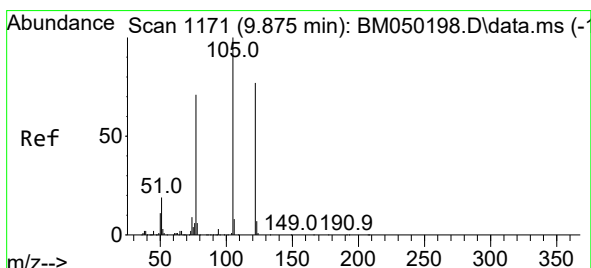
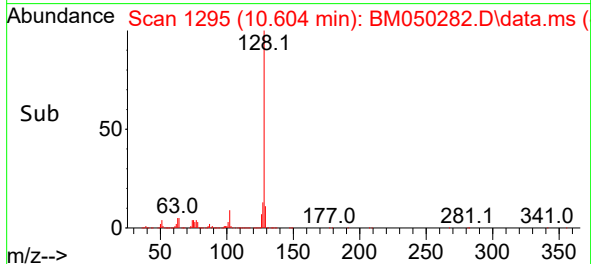
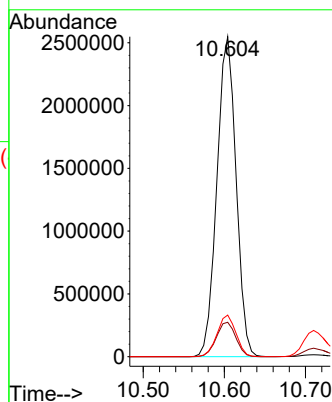
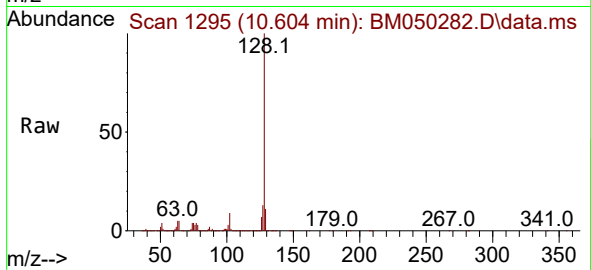




#31  
Naphthalene  
Concen: 48.874 ng  
RT: 10.604 min Scan# 1167  
Delta R.T. -0.000 min  
Lab File: BM050282.D  
Acq: 11 Jun 2025 20:02

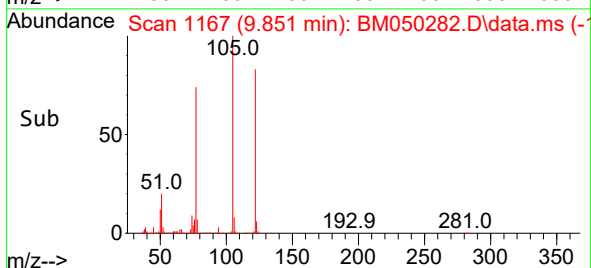
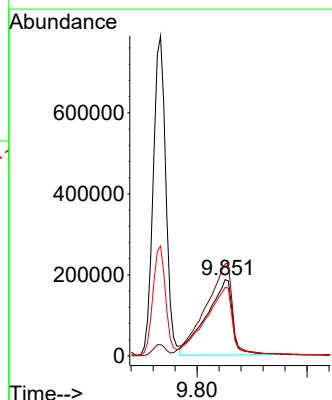
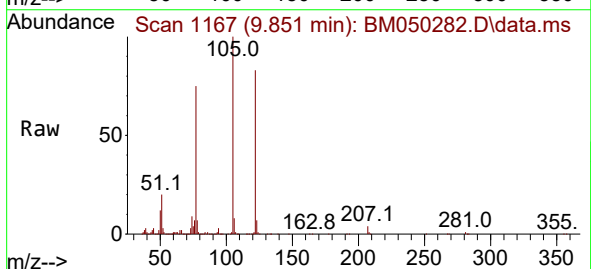
Instrument :  
BNA\_M  
ClientSampleId :  
ARS20-0032MSD

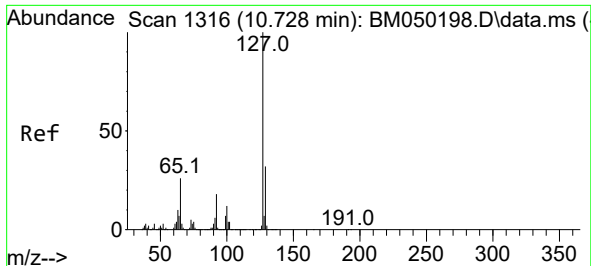
Tgt Ion:128 Resp: 4184727  
Ion Ratio Lower Upper  
128 100  
129 10.8 8.6 12.8  
127 13.0 10.2 15.4



#32  
Benzoic acid  
Concen: 37.998 ng  
RT: 9.851 min Scan# 1167  
Delta R.T. 0.006 min  
Lab File: BM050282.D  
Acq: 11 Jun 2025 20:02

Tgt Ion:122 Resp: 613369  
Ion Ratio Lower Upper  
122 100  
105 120.4 103.4 143.4  
77 89.7 70.3 110.3

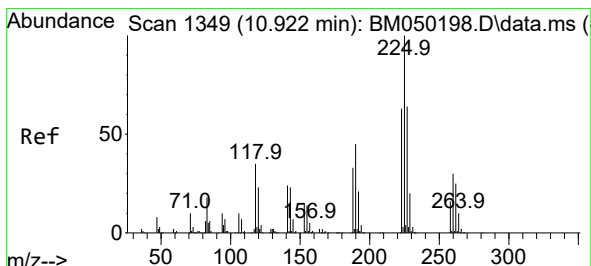
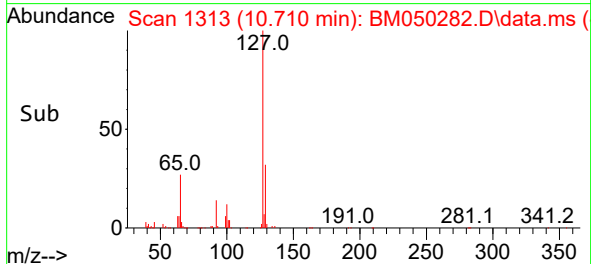
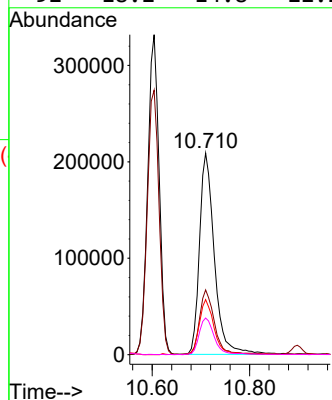
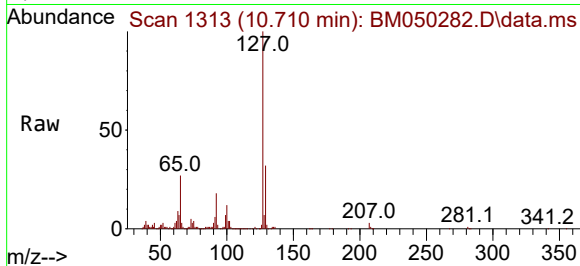




#33  
4-Chloroaniline  
Concen: 12.183 ng  
RT: 10.710 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BM050282.D  
Acq: 11 Jun 2025 20:02

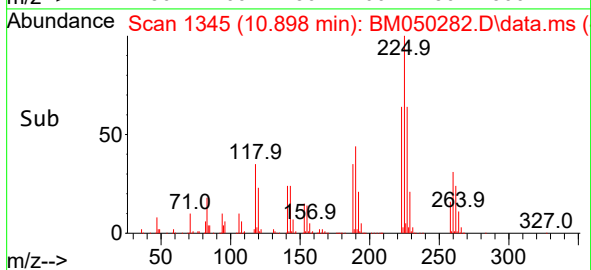
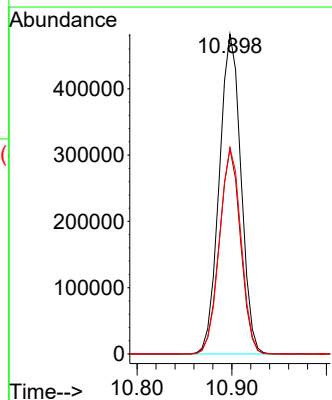
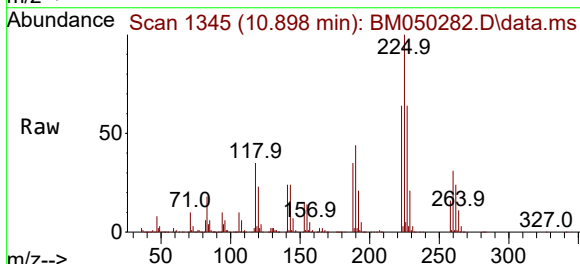
Instrument :  
BNA\_M  
ClientSampleId :  
ARS20-0032MSD

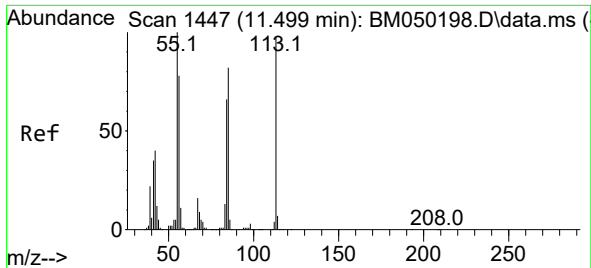
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 444716 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.2  | 25.4  | 38.0   |
| 65       | 27.3  | 21.0  | 31.4   |
| 92       | 18.2  | 14.8  | 22.2   |



#34  
Hexachlorobutadiene  
Concen: 48.803 ng  
RT: 10.898 min Scan# 1345  
Delta R.T. -0.006 min  
Lab File: BM050282.D  
Acq: 11 Jun 2025 20:02

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 767819 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 64.1  | 50.2  | 75.2   |
| 227      | 64.5  | 51.0  | 76.4   |

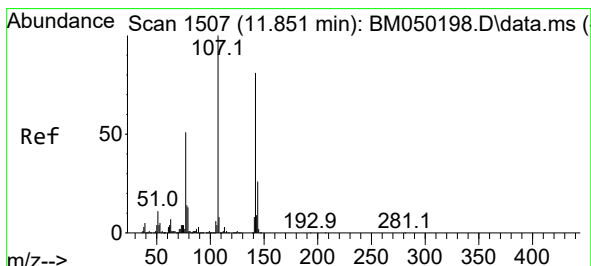
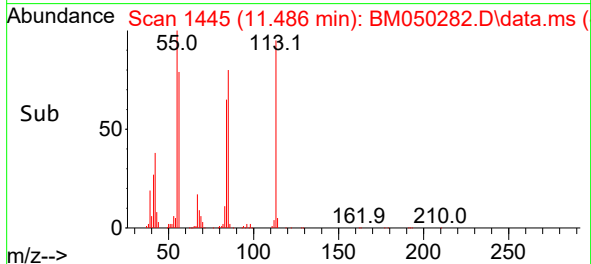
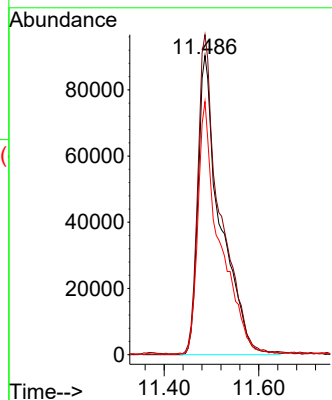
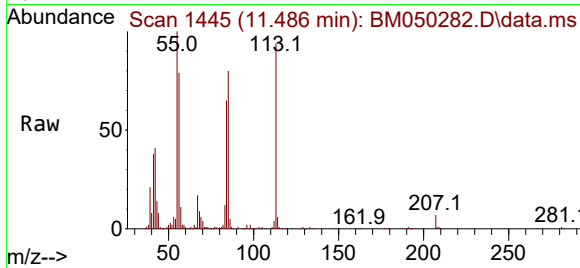




#35  
 Caprolactam  
 Concen: 38.828 ng  
 RT: 11.486 min Scan# 1445  
 Delta R.T. 0.006 min  
 Lab File: BM050282.D  
 Acq: 11 Jun 2025 20:02

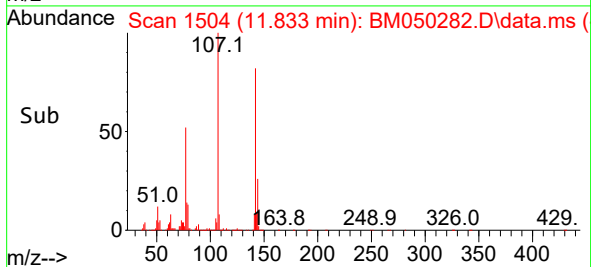
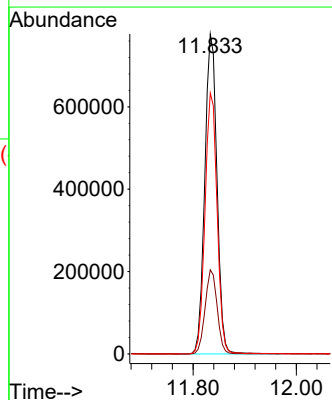
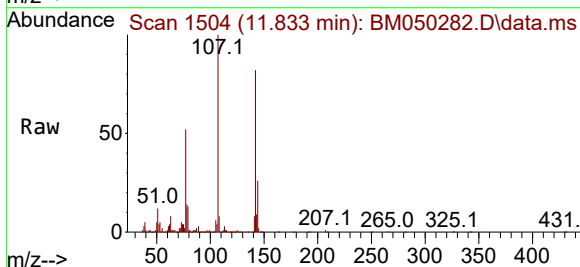
Instrument :  
 BNA\_M  
 ClientSampleId :  
 ARS20-0032MSD

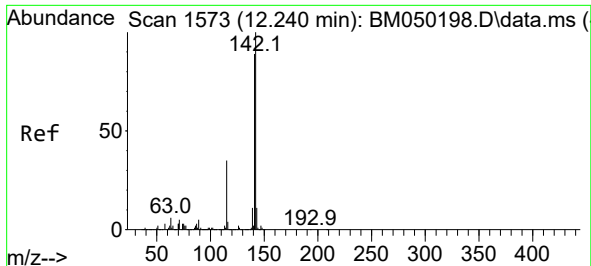
Tgt Ion:113 Resp: 292596  
 Ion Ratio Lower Upper  
 113 100  
 55 106.9 83.5 123.5  
 56 84.6 60.6 100.6



#36  
 4-Chloro-3-methylphenol  
 Concen: 50.133 ng  
 RT: 11.833 min Scan# 1504  
 Delta R.T. -0.000 min  
 Lab File: BM050282.D  
 Acq: 11 Jun 2025 20:02

Tgt Ion:107 Resp: 1271539  
 Ion Ratio Lower Upper  
 107 100  
 144 26.3 21.0 31.6  
 142 81.6 64.8 97.2





#37

2-Methylnaphthalene

Concen: 50.389 ng

RT: 12.216 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

Instrument :

BNA\_M

ClientSampleId :

ARS20-0032MSD

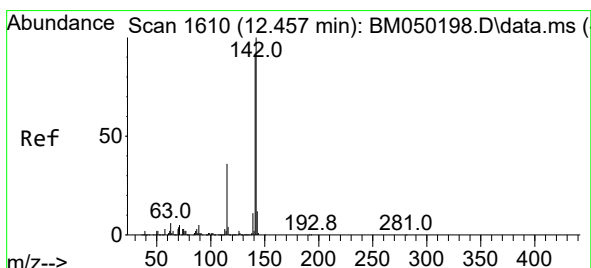
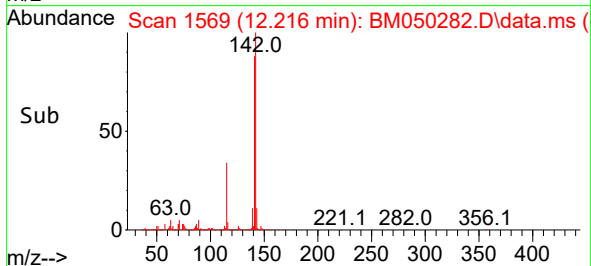
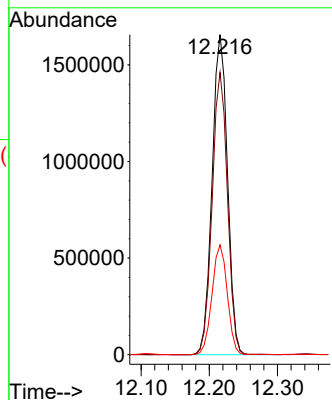
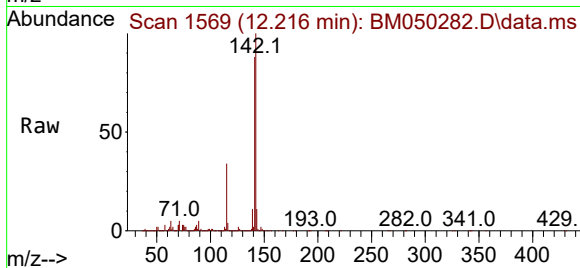
Tgt Ion:142 Resp: 2602795

Ion Ratio Lower Upper

142 100

141 88.2 71.5 107.3

115 34.3 27.8 41.8



#38

1-Methylnaphthalene

Concen: 49.615 ng

RT: 12.433 min Scan# 1606

Delta R.T. -0.006 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

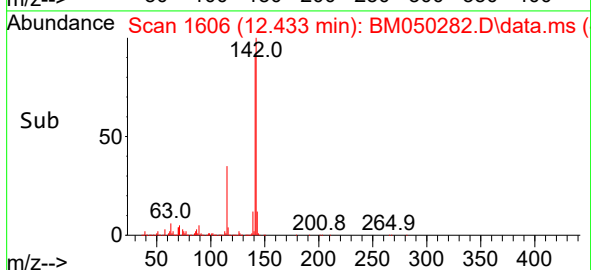
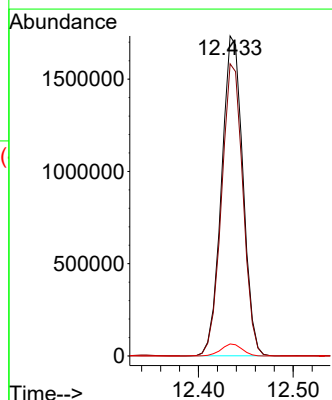
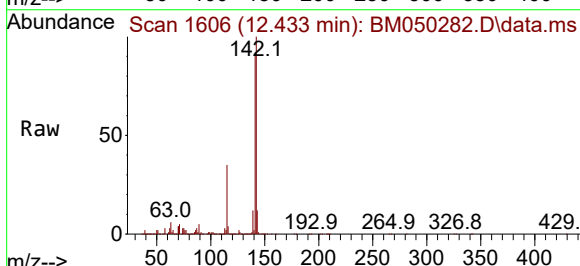
Tgt Ion:142 Resp: 2720090

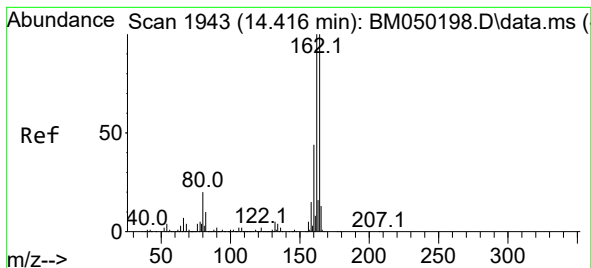
Ion Ratio Lower Upper

142 100

141 91.3 72.9 109.3

116 3.7 3.0 4.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.398 min Scan# 1943

Delta R.T. 0.000 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

Instrument :

BNA\_M

ClientSampleId :

ARS20-0032MSD

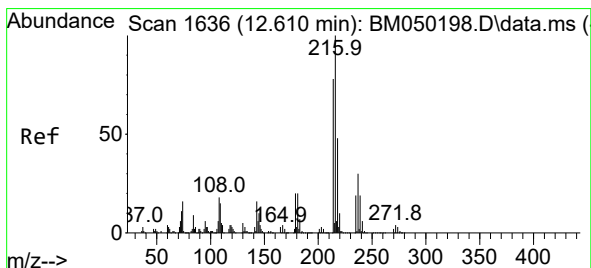
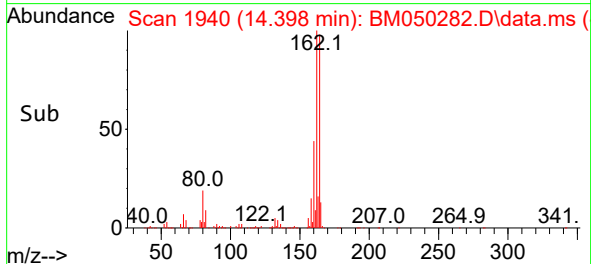
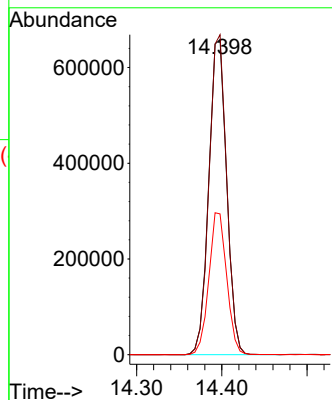
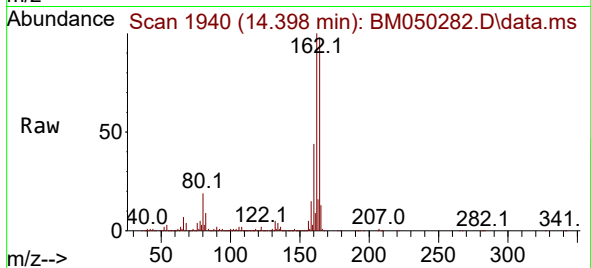
Tgt Ion:164 Resp: 962021

Ion Ratio Lower Upper

164 100

162 101.6 80.2 120.4

160 44.7 35.7 53.5



#40

1,2,4,5-Tetrachlorobenzene

Concen: 50.791 ng

RT: 12.586 min Scan# 1632

Delta R.T. 0.000 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

Tgt Ion:216 Resp: 1410949

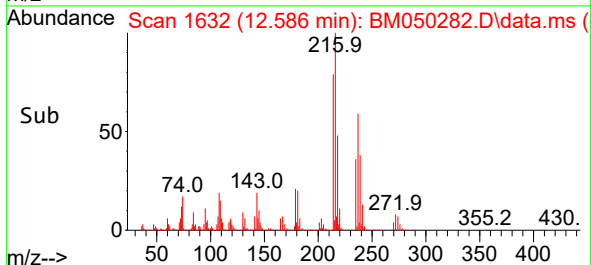
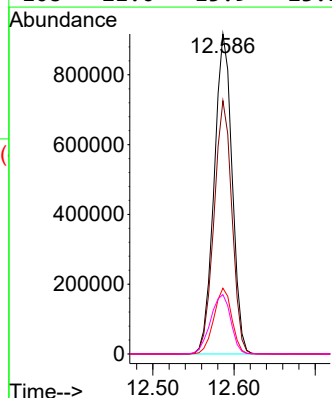
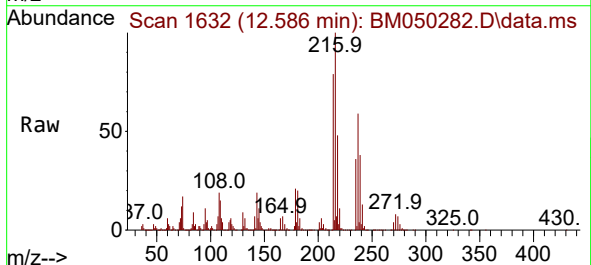
Ion Ratio Lower Upper

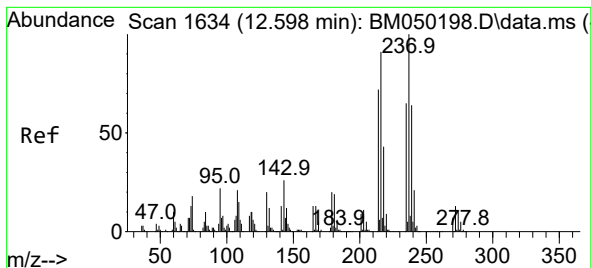
216 100

214 78.8 63.0 94.4

179 20.5 16.6 25.0

108 21.0 15.9 23.9





#41

Hexachlorocyclopentadiene

Concen: 98.064 ng

RT: 12.574 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

Instrument :

BNA\_M

ClientSampleId :

ARS20-0032MSD

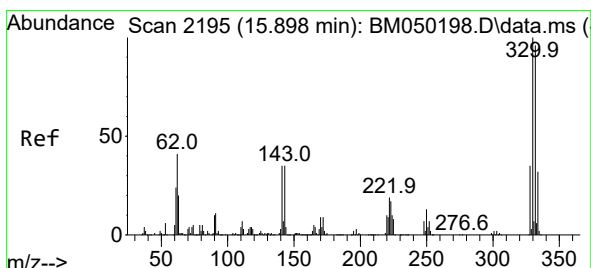
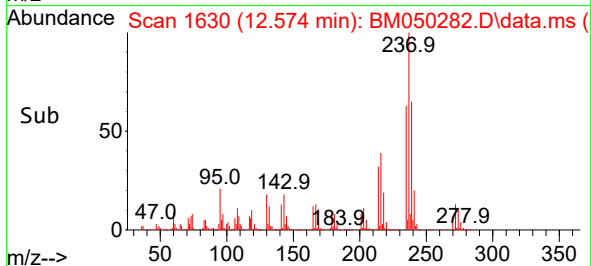
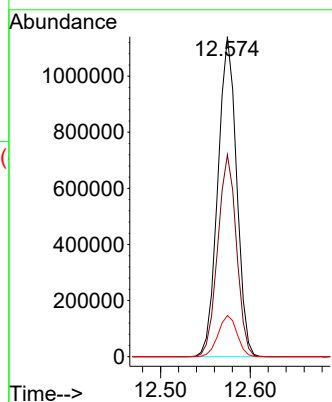
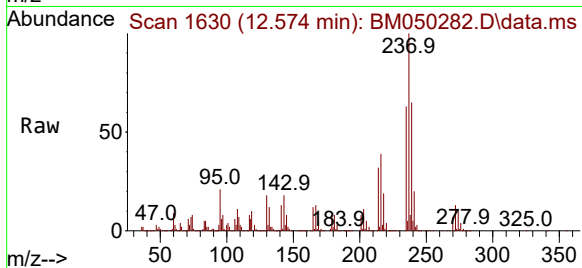
Tgt Ion:237 Resp: 1654385

Ion Ratio Lower Upper

237 100

235 63.1 44.6 84.6

272 12.8 0.0 33.1



#42

2,4,6-Tribromophenol

Concen: 146.430 ng

RT: 15.880 min Scan# 2192

Delta R.T. 0.000 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

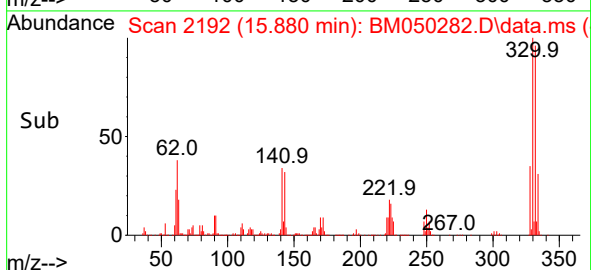
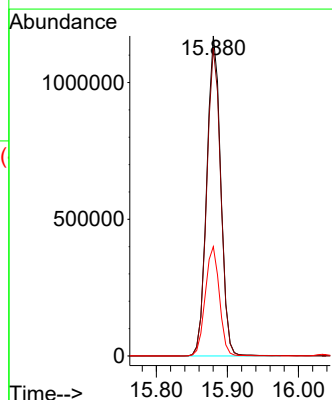
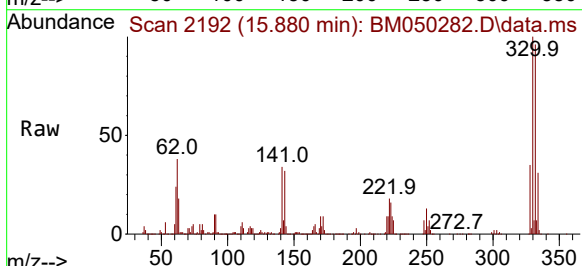
Tgt Ion:330 Resp: 1602285

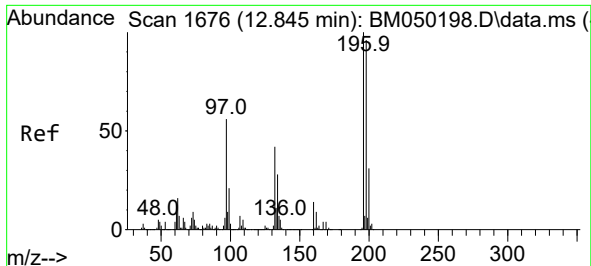
Ion Ratio Lower Upper

330 100

332 96.8 77.5 116.3

141 34.8 28.8 43.2

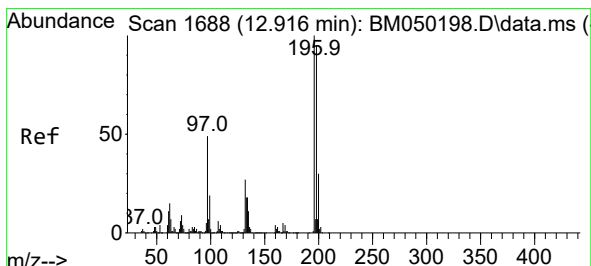
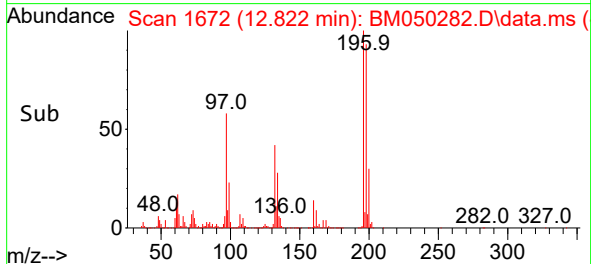
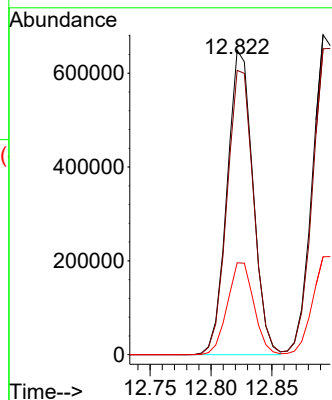
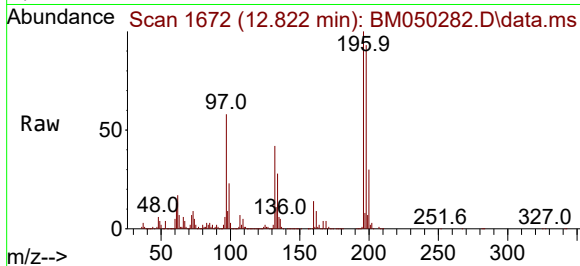




#43  
2,4,6-Trichlorophenol  
Concen: 52.666 ng  
RT: 12.822 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: BM050282.D  
Acq: 11 Jun 2025 20:02

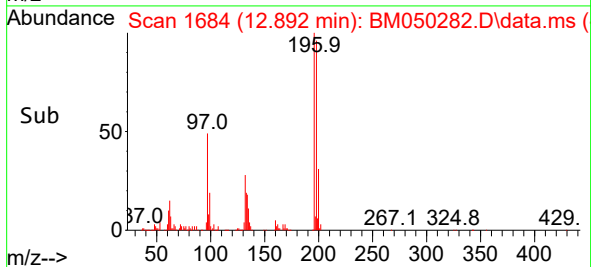
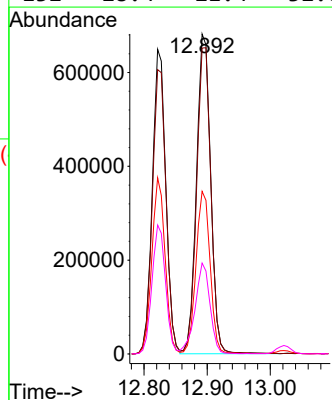
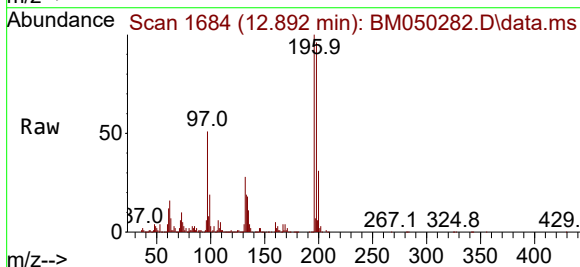
Instrument :  
BNA\_M  
ClientSampleId :  
ARS20-0032MSD

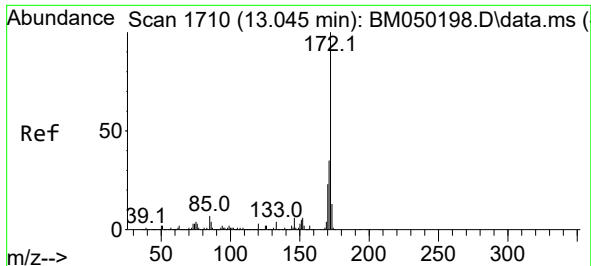
Tgt Ion:196 Resp: 962110  
Ion Ratio Lower Upper  
196 100  
198 93.3 76.6 115.0  
200 30.1 24.5 36.7



#44  
2,4,5-Trichlorophenol  
Concen: 53.089 ng  
RT: 12.892 min Scan# 1684  
Delta R.T. -0.006 min  
Lab File: BM050282.D  
Acq: 11 Jun 2025 20:02

Tgt Ion:196 Resp: 1064817  
Ion Ratio Lower Upper  
196 100  
198 95.6 76.1 114.1  
97 50.8 39.3 58.9  
132 28.4 21.4 32.0

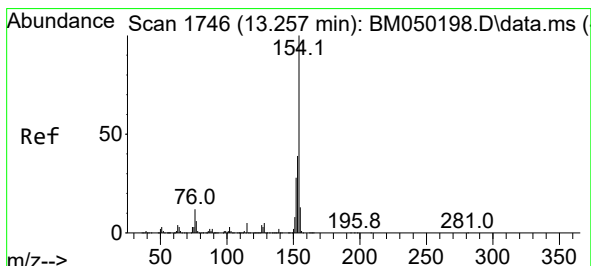
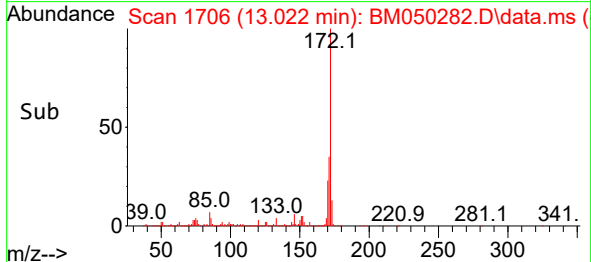
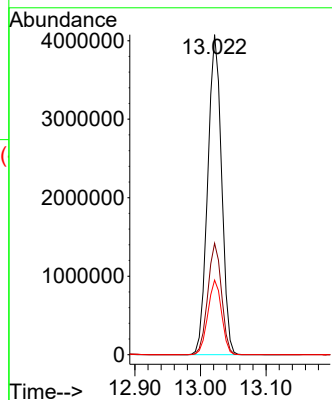
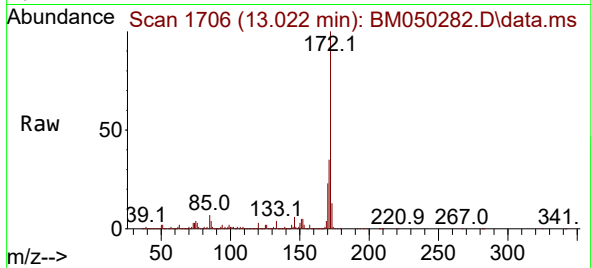




#45  
2-Fluorobiphenyl  
Concen: 84.236 ng  
RT: 13.022 min Scan# 1710  
Delta R.T. -0.006 min  
Lab File: BM050282.D  
Acq: 11 Jun 2025 20:02

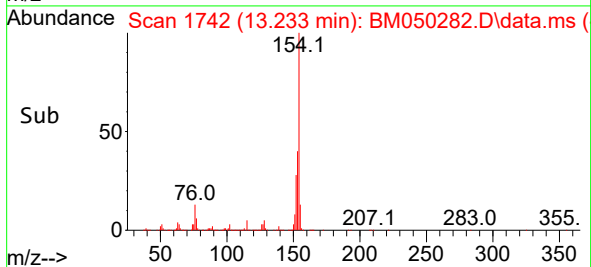
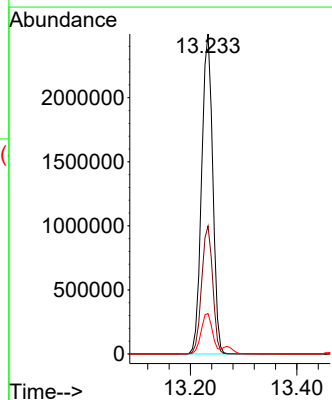
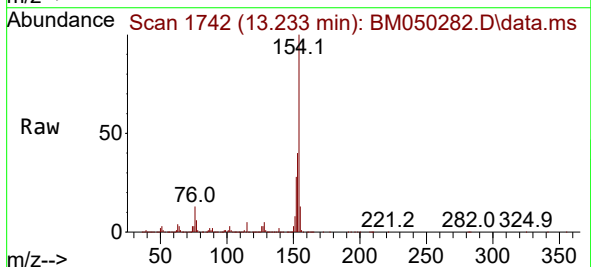
Instrument :  
BNA\_M  
ClientSampleId :  
ARS20-0032MSD

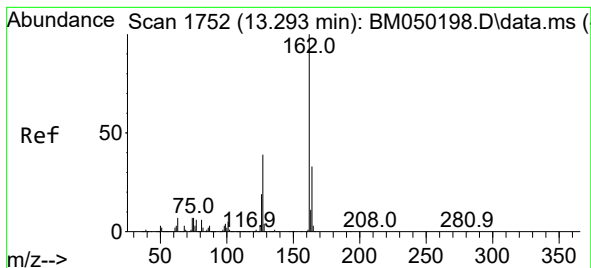
Tgt Ion:172 Resp: 5985627  
Ion Ratio Lower Upper  
172 100  
171 34.8 27.8 41.6  
170 23.3 18.6 27.8



#46  
1,1'-Biphenyl  
Concen: 50.120 ng  
RT: 13.233 min Scan# 1742  
Delta R.T. 0.000 min  
Lab File: BM050282.D  
Acq: 11 Jun 2025 20:02

Tgt Ion:154 Resp: 3610425  
Ion Ratio Lower Upper  
154 100  
153 40.0 19.2 59.2  
76 12.7 0.0 32.0





#47

2-Chloronaphthalene

Concen: 49.707 ng

RT: 13.269 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

Instrument :

BNA\_M

ClientSampleId :

ARS20-0032MSD

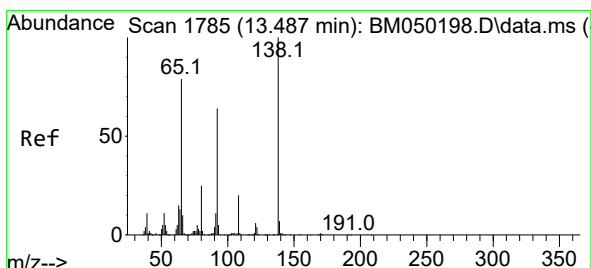
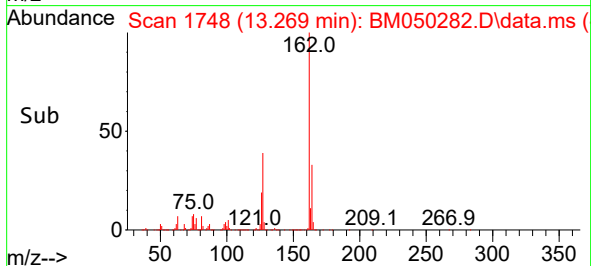
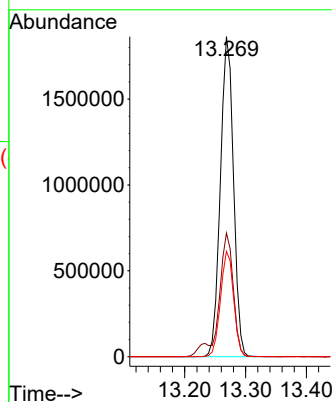
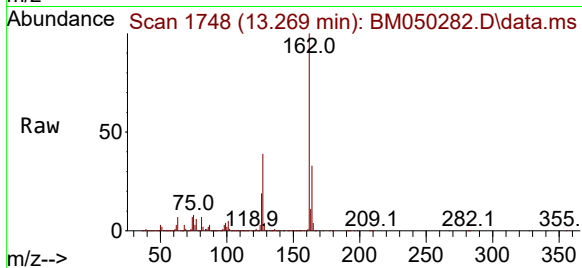
Tgt Ion:162 Resp: 2783712

Ion Ratio Lower Upper

162 100

127 38.6 31.1 46.7

164 32.9 26.5 39.7



#48

2-Nitroaniline

Concen: 57.214 ng

RT: 13.469 min Scan# 1782

Delta R.T. 0.000 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

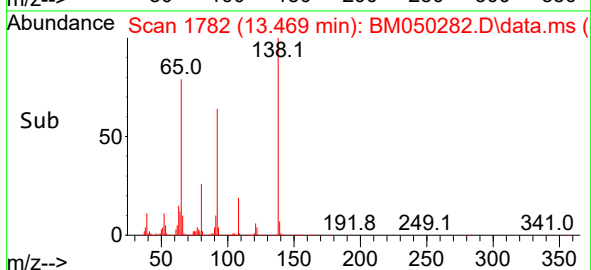
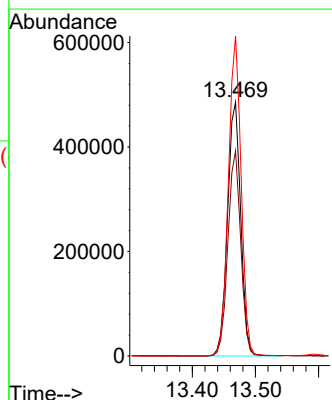
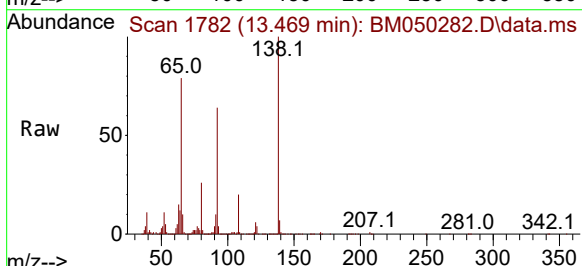
Tgt Ion: 65 Resp: 705117

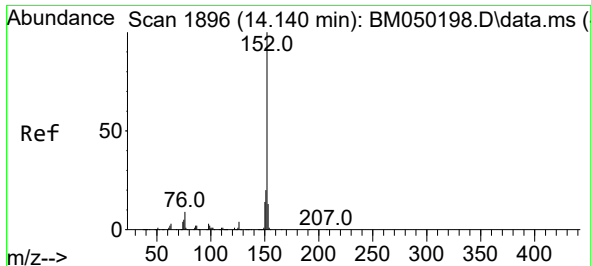
Ion Ratio Lower Upper

65 100

92 80.8 64.2 96.4

138 126.1 101.0 151.4

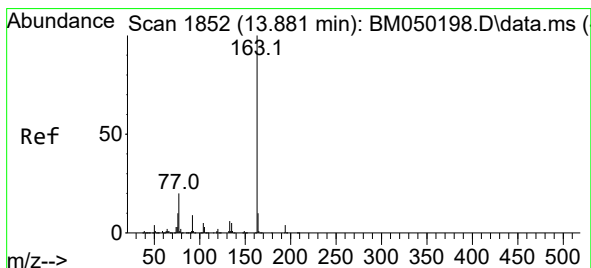
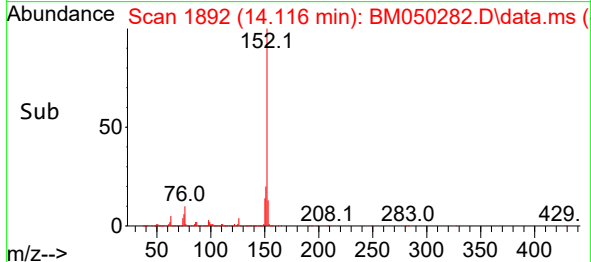
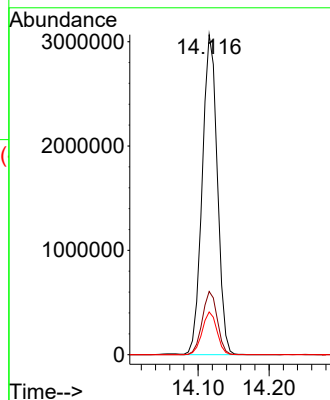
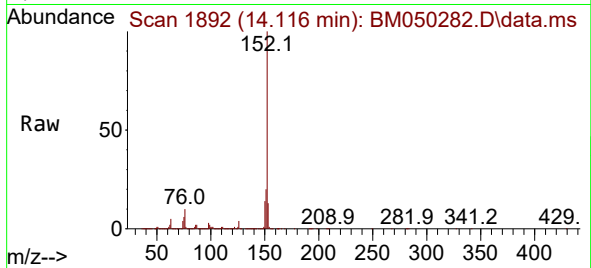




#49  
Acenaphthylene  
Concen: 50.055 ng  
RT: 14.116 min Scan# 1892  
Delta R.T. -0.006 min  
Lab File: BM050282.D  
Acq: 11 Jun 2025 20:02

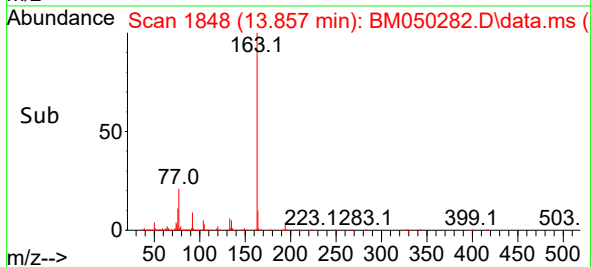
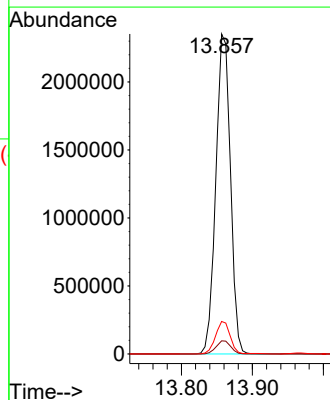
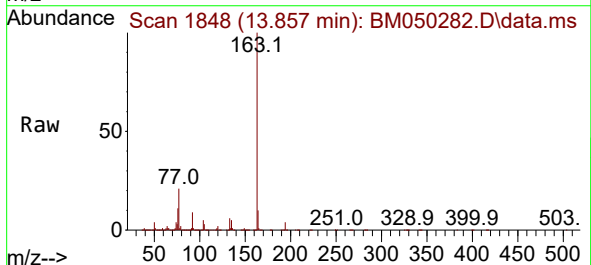
Instrument :  
BNA\_M  
ClientSampleId :  
ARS20-0032MSD

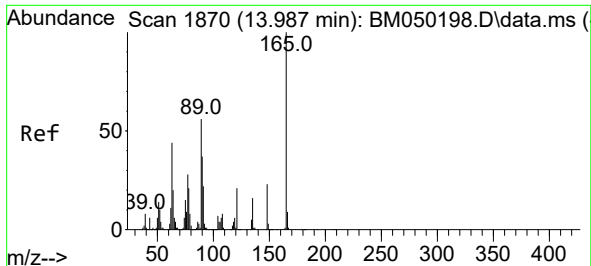
Tgt Ion:152 Resp: 4534055  
Ion Ratio Lower Upper  
152 100  
151 19.8 15.8 23.6  
153 13.4 10.4 15.6



#50  
Dimethylphthalate  
Concen: 51.468 ng  
RT: 13.857 min Scan# 1848  
Delta R.T. -0.006 min  
Lab File: BM050282.D  
Acq: 11 Jun 2025 20:02

Tgt Ion:163 Resp: 3348601  
Ion Ratio Lower Upper  
163 100  
194 4.1 3.3 4.9  
164 10.1 7.9 11.9

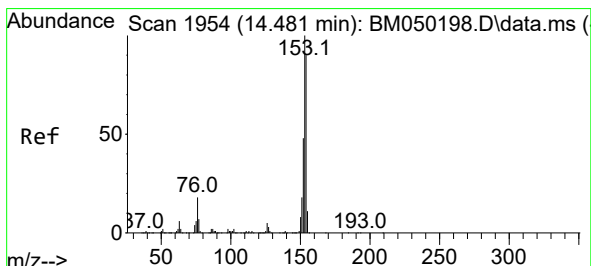
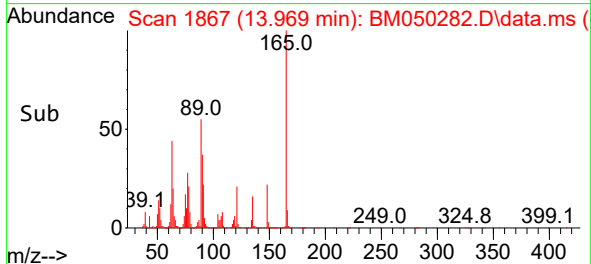
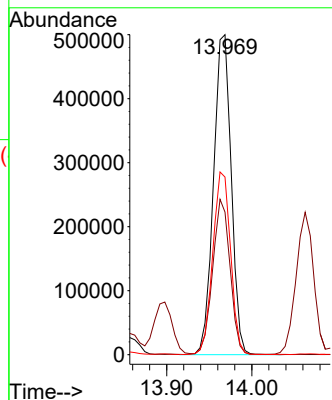
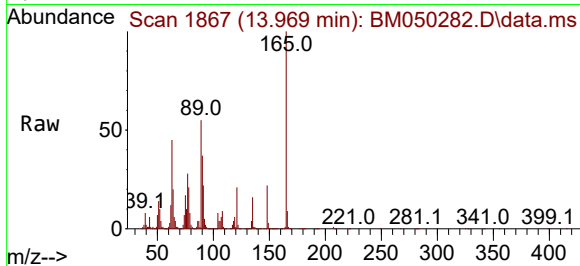




#51  
2,6-Dinitrotoluene  
Concen: 55.000 ng  
RT: 13.969 min Scan# 1870  
Delta R.T. 0.000 min  
Lab File: BM050282.D  
Acq: 11 Jun 2025 20:02

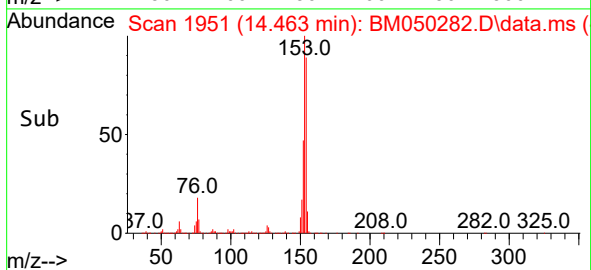
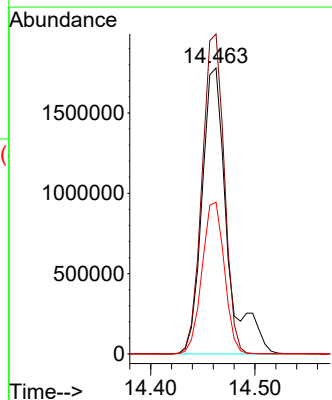
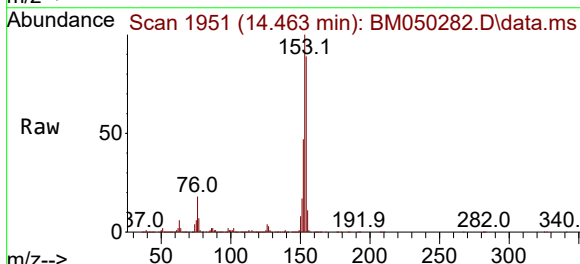
Instrument :  
BNA\_M  
ClientSampleId :  
ARS20-0032MSD

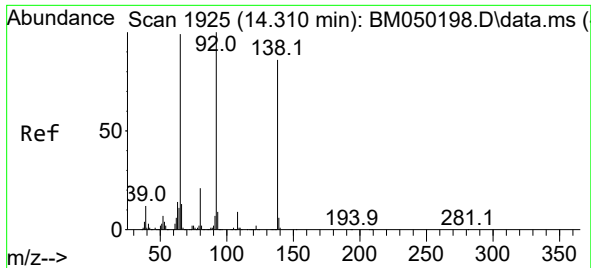
Tgt Ion:165 Resp: 721633  
Ion Ratio Lower Upper  
165 100  
63 44.5 35.8 53.6  
89 55.5 44.8 67.2



#52  
Acenaphthene  
Concen: 52.638 ng m  
RT: 14.463 min Scan# 1951  
Delta R.T. 0.000 min  
Lab File: BM050282.D  
Acq: 11 Jun 2025 20:02

Tgt Ion:154 Resp: 2982292  
Ion Ratio Lower Upper  
154 100  
153 111.9 88.7 133.1  
152 53.1 42.6 63.8

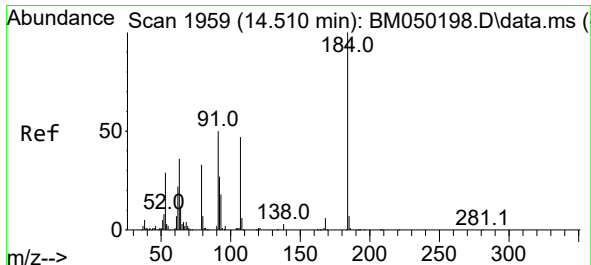
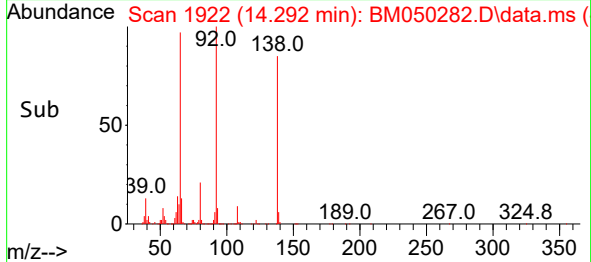
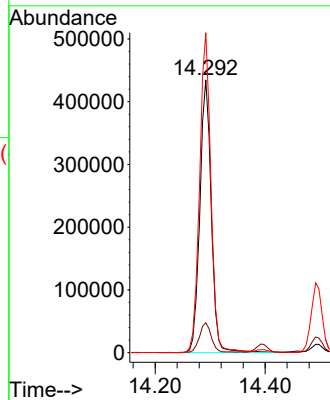
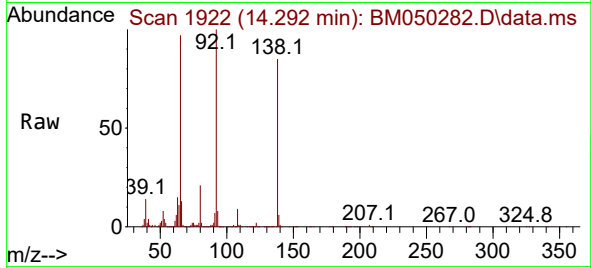




#53  
3-Nitroaniline  
Concen: 43.072 ng  
RT: 14.292 min Scan# 1922  
Delta R.T. 0.000 min  
Lab File: BM050282.D  
Acq: 11 Jun 2025 20:02

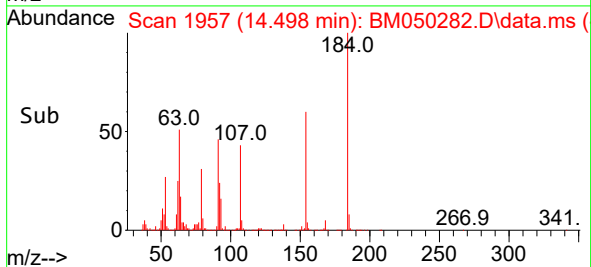
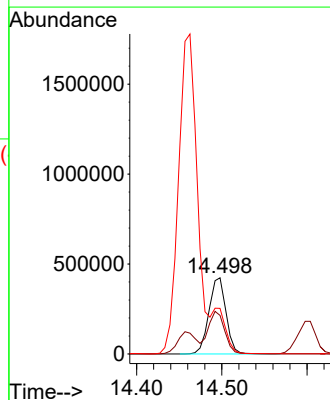
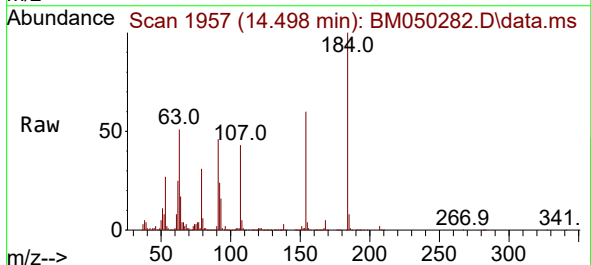
Instrument :  
BNA\_M  
ClientSampleId :  
ARS20-0032MSD

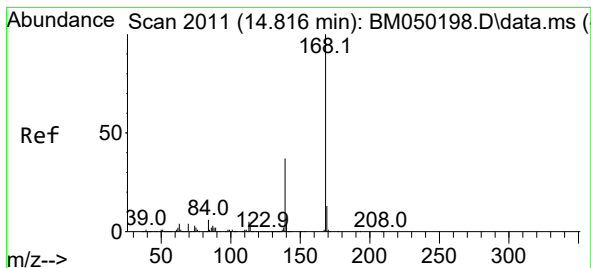
Tgt Ion:138 Resp: 629839  
Ion Ratio Lower Upper  
138 100  
108 11.0 8.8 13.2  
92 117.3 92.9 139.3



#54  
2,4-Dinitrophenol  
Concen: 75.764 ng  
RT: 14.498 min Scan# 1957  
Delta R.T. 0.006 min  
Lab File: BM050282.D  
Acq: 11 Jun 2025 20:02

Tgt Ion:184 Resp: 589758  
Ion Ratio Lower Upper  
184 100  
63 50.6 45.3 67.9  
154 60.0 54.3 81.5





#55

Dibenzofuran

Concen: 50.399 ng

RT: 14.792 min Scan# 2011

Delta R.T. -0.006 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

Instrument :

BNA\_M

ClientSampleId :

ARS20-0032MSD

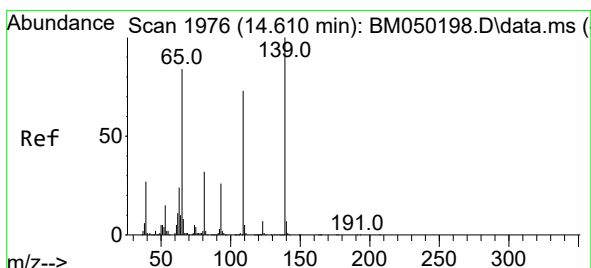
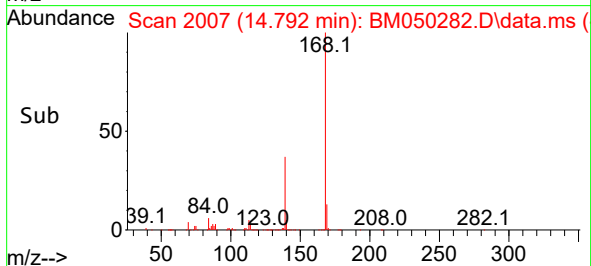
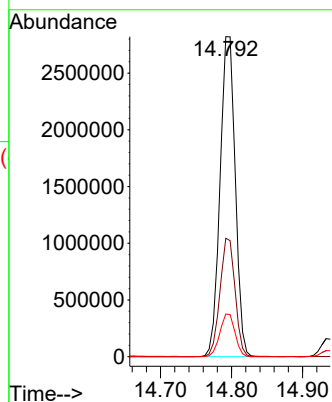
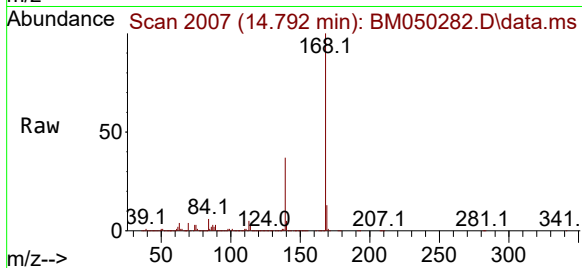
Tgt Ion:168 Resp: 4177490

Ion Ratio Lower Upper

168 100

139 37.0 29.9 44.9

169 13.3 10.6 16.0



#56

4-Nitrophenol

Concen: 95.343 ng

RT: 14.604 min Scan# 1975

Delta R.T. 0.006 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

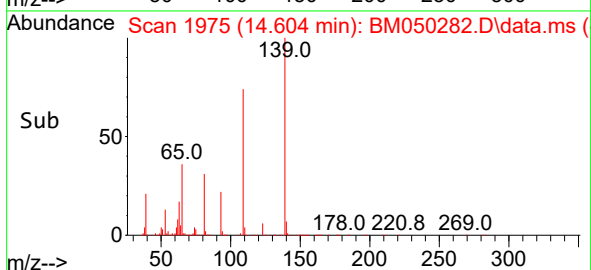
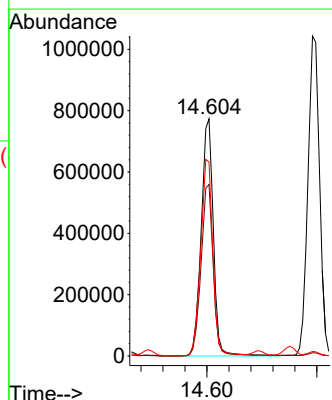
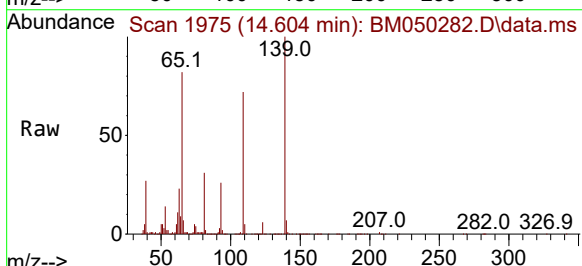
Tgt Ion:139 Resp: 1186660

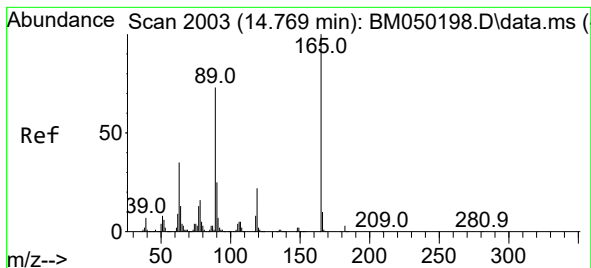
Ion Ratio Lower Upper

139 100

109 72.3 52.6 92.6

65 81.8 64.3 104.3





#57

2,4-Dinitrotoluene

Concen: 57.173 ng

RT: 14.751 min Scan# 20

Delta R.T. 0.000 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

Instrument :

BNA\_M

ClientSampleId :

ARS20-0032MSD

Tgt Ion:165 Resp: 989545

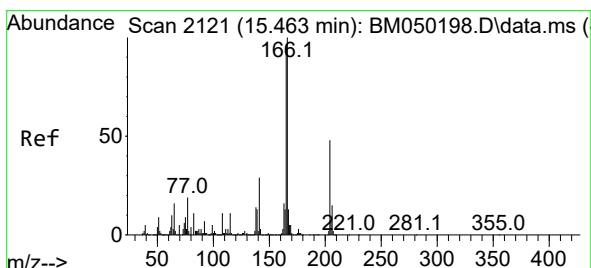
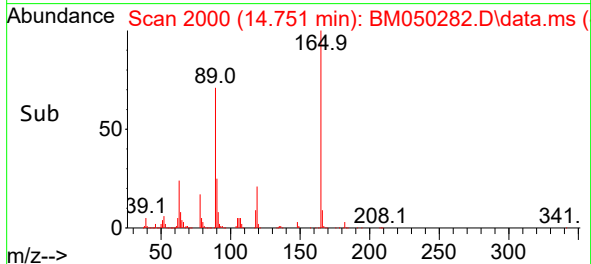
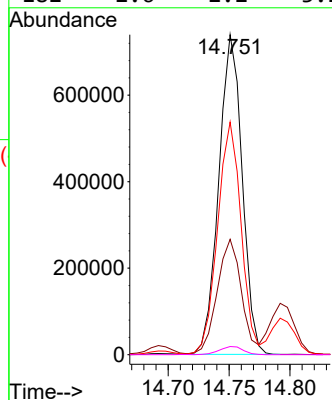
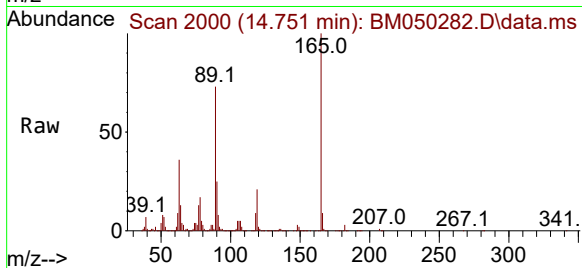
Ion Ratio Lower Upper

165 100

63 36.0 28.4 42.6

89 72.7 58.0 87.0

182 2.6 2.2 3.2



#58

Fluorene

Concen: 50.333 ng

RT: 15.445 min Scan# 2118

Delta R.T. 0.000 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

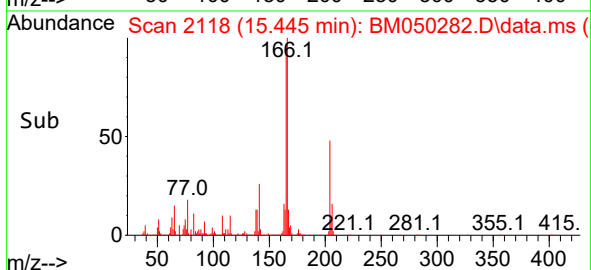
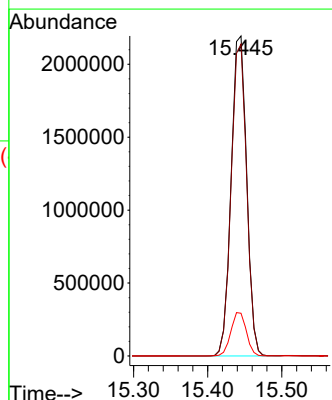
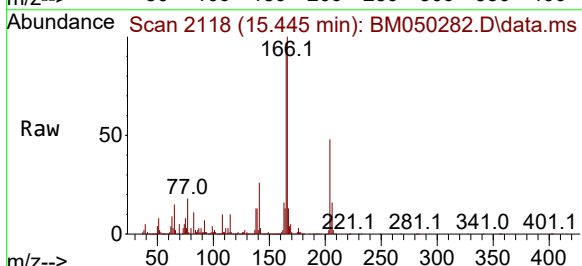
Tgt Ion:166 Resp: 3195447

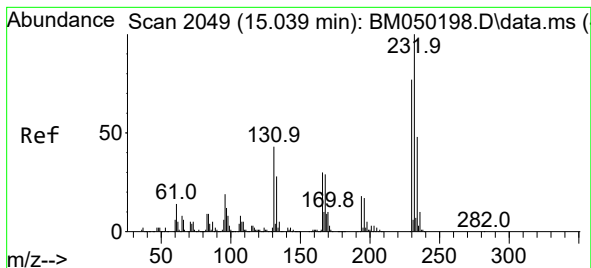
Ion Ratio Lower Upper

166 100

165 97.5 77.0 115.4

167 13.4 10.7 16.1

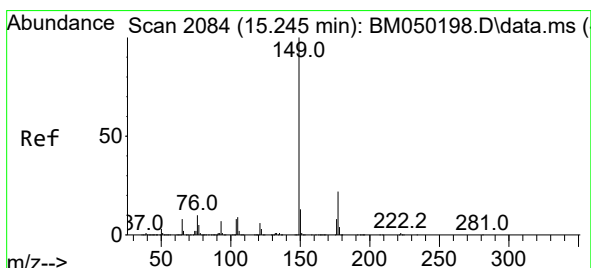
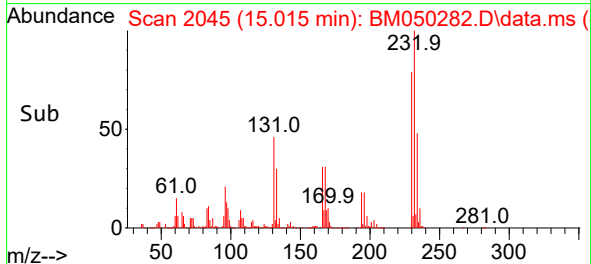
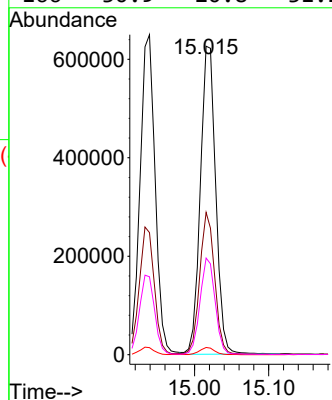
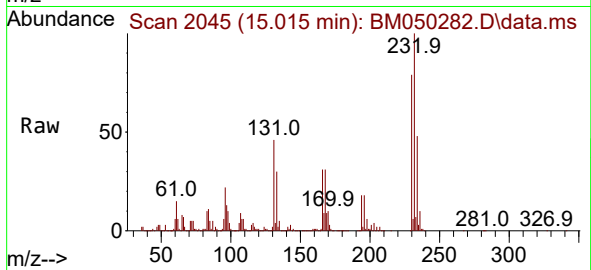




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 51.991 ng  
RT: 15.015 min Scan# 2045  
Delta R.T. -0.006 min  
Lab File: BM050282.D  
Acq: 11 Jun 2025 20:02

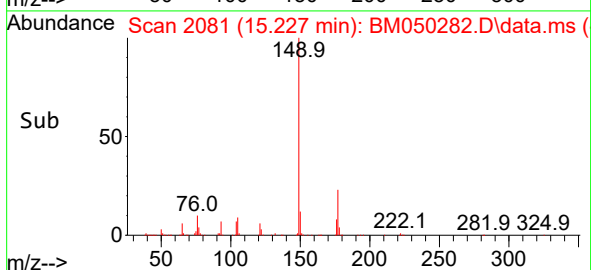
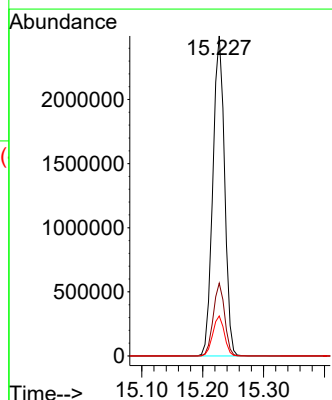
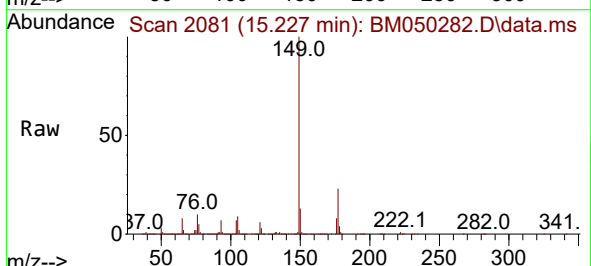
Instrument :  
BNA\_M  
ClientSampleId :  
ARS20-0032MSD

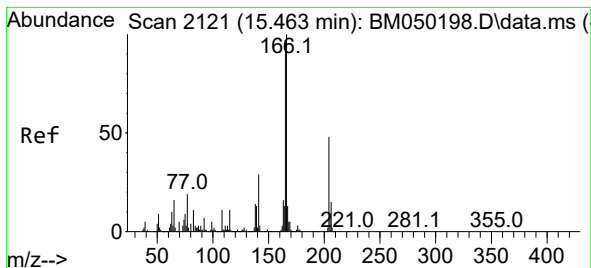
Tgt Ion:232 Resp: 902223  
Ion Ratio Lower Upper  
232 100  
131 44.9 32.9 49.3  
130 2.3 1.8 2.8  
166 30.9 20.8 31.2



#60  
Diethylphthalate  
Concen: 51.763 ng  
RT: 15.227 min Scan# 2081  
Delta R.T. 0.000 min  
Lab File: BM050282.D  
Acq: 11 Jun 2025 20:02

Tgt Ion:149 Resp: 3341515  
Ion Ratio Lower Upper  
149 100  
177 22.7 17.2 25.8  
150 12.5 10.0 15.0

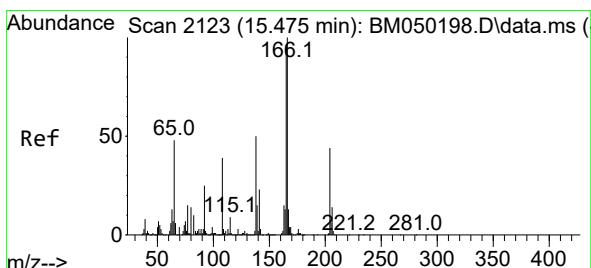
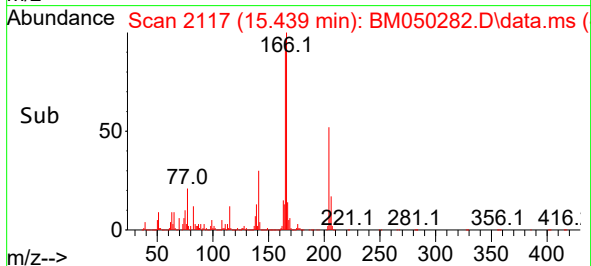
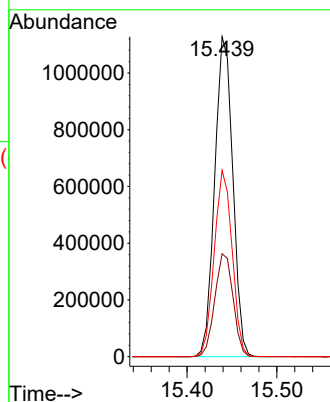
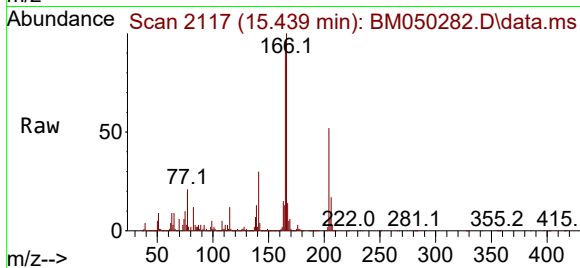




#61  
4-Chlorophenyl-phenylether  
Concen: 51.459 ng  
RT: 15.439 min Scan# 2117  
Delta R.T. -0.006 min  
Lab File: BM050282.D  
Acq: 11 Jun 2025 20:02

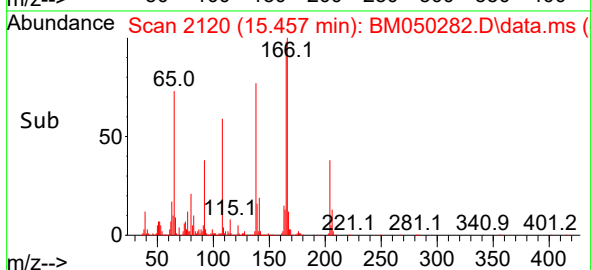
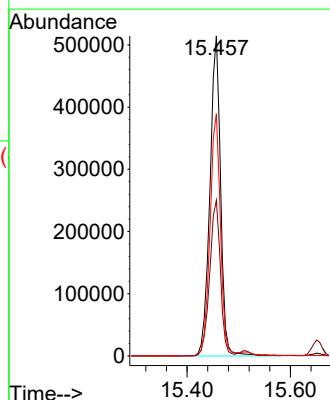
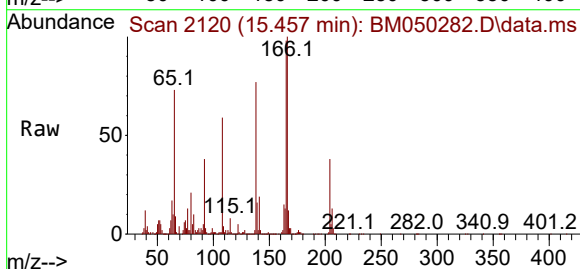
Instrument :  
BNA\_M  
ClientSampleId :  
ARS20-0032MSD

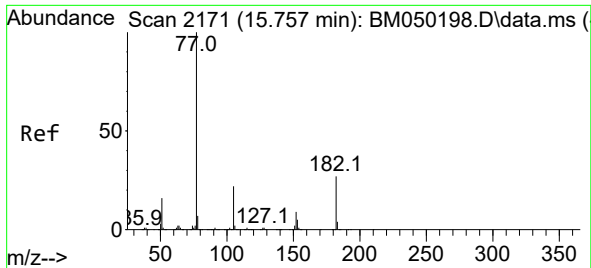
Tgt Ion:204 Resp: 1578907  
Ion Ratio Lower Upper  
204 100  
206 32.1 25.4 38.0  
141 58.2 47.9 71.9



#62  
4-Nitroaniline  
Concen: 53.927 ng  
RT: 15.457 min Scan# 2120  
Delta R.T. 0.000 min  
Lab File: BM050282.D  
Acq: 11 Jun 2025 20:02

Tgt Ion:138 Resp: 739103  
Ion Ratio Lower Upper  
138 100  
92 48.7 28.8 68.8  
108 75.7 58.1 98.1

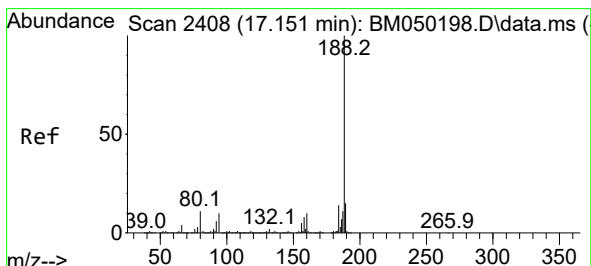
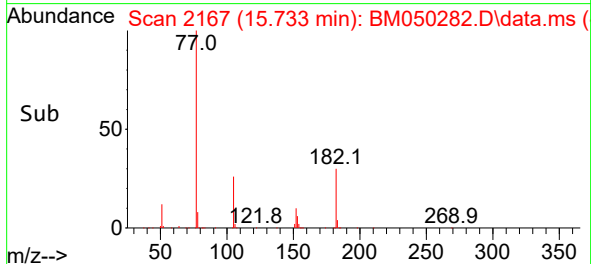
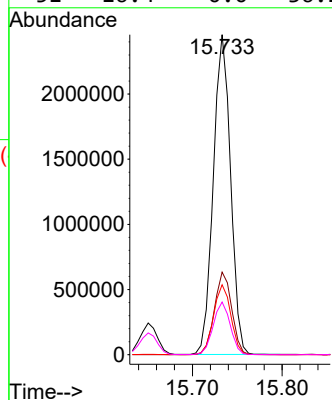
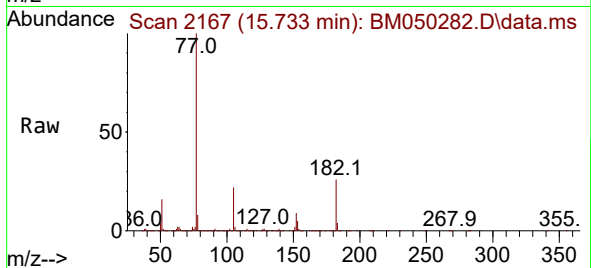




#63  
Azobenzene  
Concen: 50.772 ng  
RT: 15.733 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BM050282.D  
Acq: 11 Jun 2025 20:02

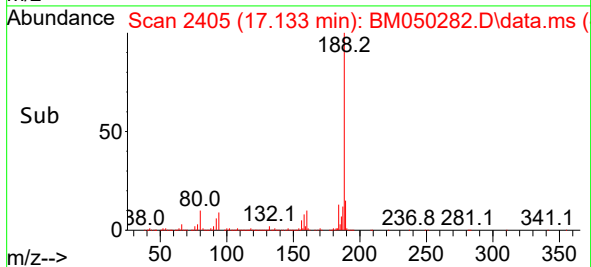
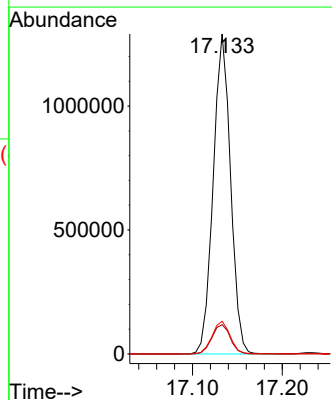
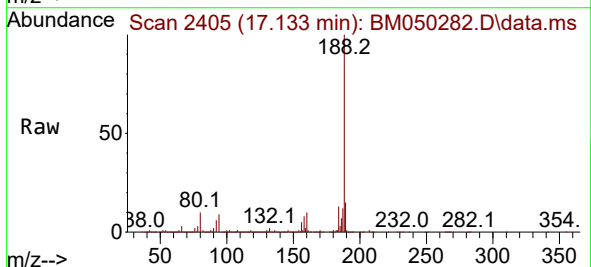
Instrument :  
BNA\_M  
ClientSampleId :  
ARS20-0032MSD

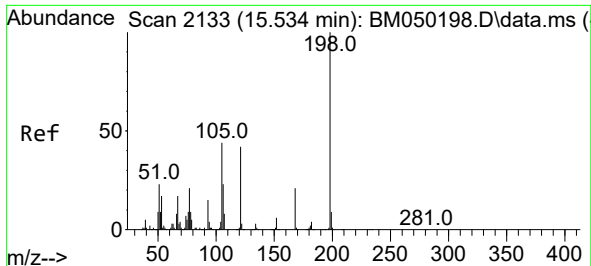
Tgt Ion: 77 Resp: 3275968  
Ion Ratio Lower Upper  
77 100  
182 25.8 6.8 46.8  
105 21.8 1.7 41.7  
51 16.4 0.0 36.2



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.133 min Scan# 2405  
Delta R.T. -0.006 min  
Lab File: BM050282.D  
Acq: 11 Jun 2025 20:02

Tgt Ion:188 Resp: 1732540  
Ion Ratio Lower Upper  
188 100  
94 9.2 8.1 12.1  
80 10.2 8.6 13.0

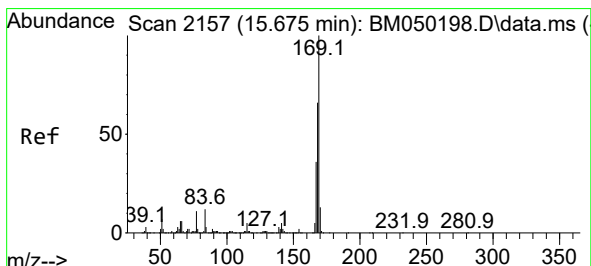
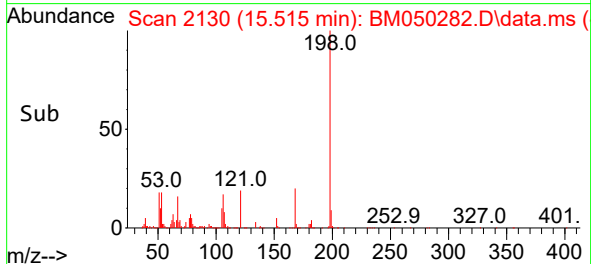
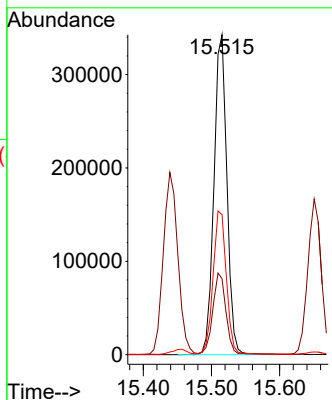
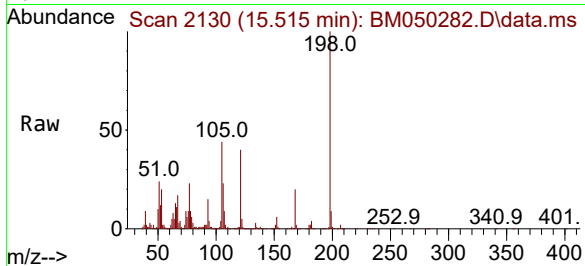




#65  
4,6-Dinitro-2-methylphenol  
Concen: 47.912 ng  
RT: 15.515 min Scan# 2130  
Delta R.T. 0.000 min  
Lab File: BM050282.D  
Acq: 11 Jun 2025 20:02

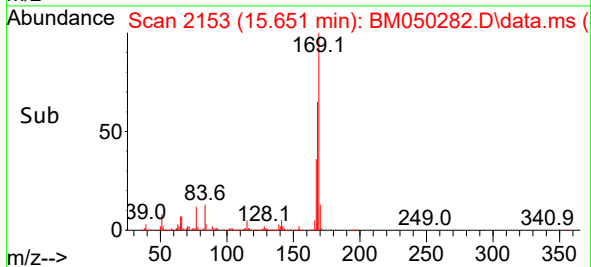
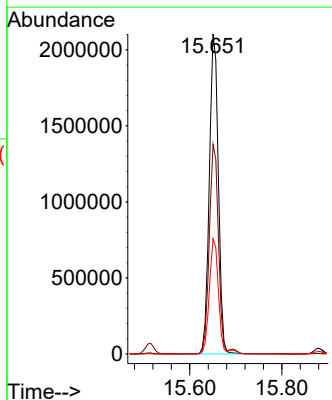
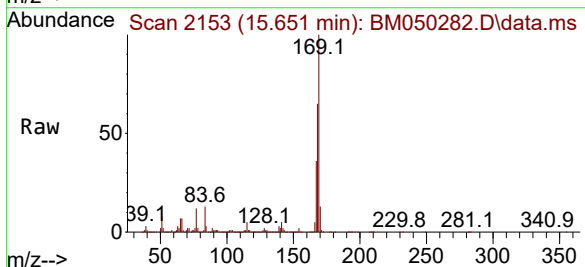
Instrument :  
BNA\_M  
ClientSampleId :  
ARS20-0032MSD

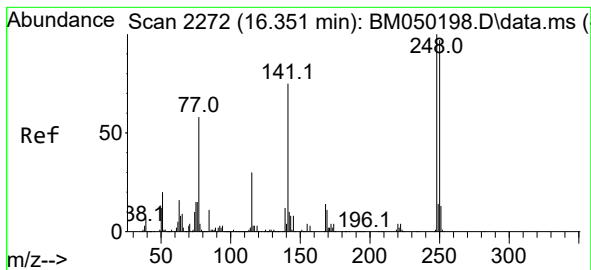
Tgt Ion:198 Resp: 453381  
Ion Ratio Lower Upper  
198 100  
51 23.7 4.5 44.5  
105 43.7 24.9 64.9



#66  
n-Nitrosodiphenylamine  
Concen: 52.672 ng  
RT: 15.651 min Scan# 2153  
Delta R.T. -0.006 min  
Lab File: BM050282.D  
Acq: 11 Jun 2025 20:02

Tgt Ion:169 Resp: 2867339  
Ion Ratio Lower Upper  
169 100  
168 65.5 53.1 79.7  
167 36.0 29.0 43.6

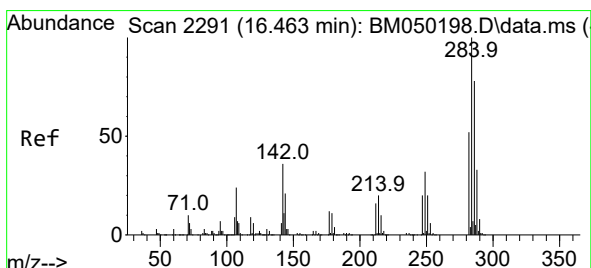
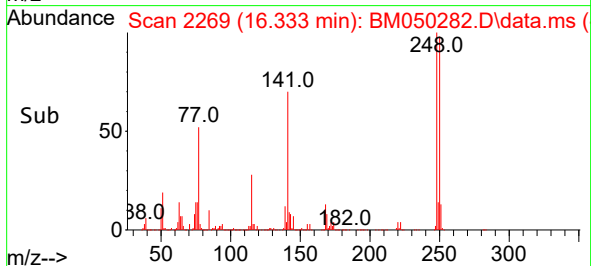
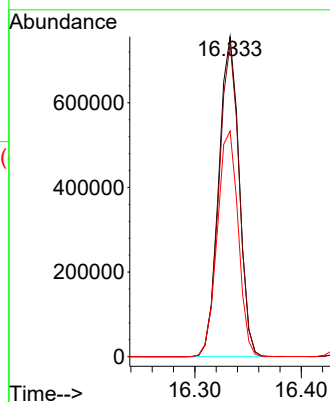
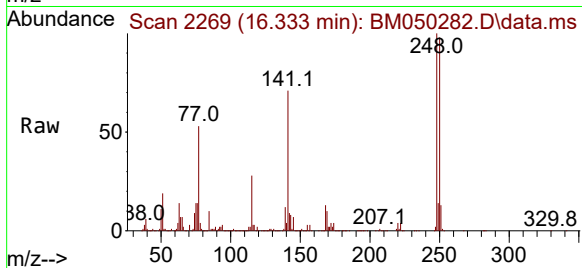




#67  
4-Bromophenyl-phenylether  
Concen: 54.124 ng  
RT: 16.333 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BM050282.D  
Acq: 11 Jun 2025 20:02

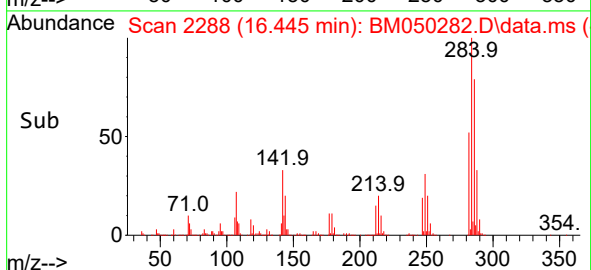
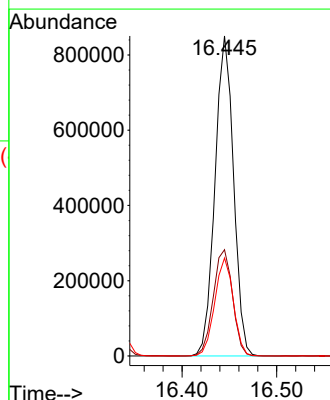
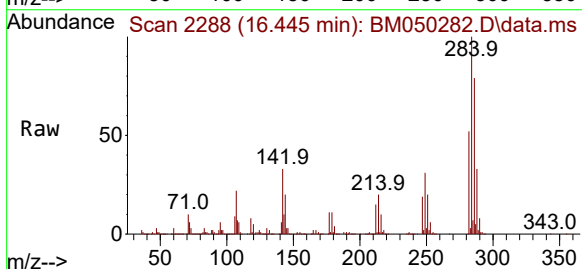
Instrument :  
BNA\_M  
ClientSampleId :  
ARS20-0032MSD

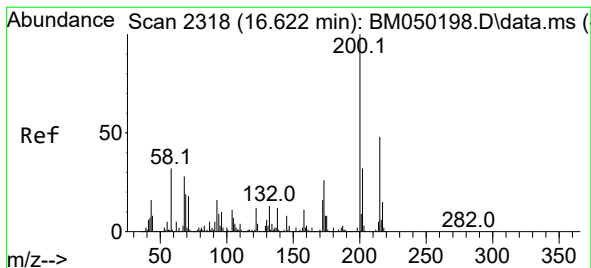
Tgt Ion:248 Resp: 999973  
Ion Ratio Lower Upper  
248 100  
250 97.9 78.0 117.0  
141 70.5 60.1 90.1



#68  
Hexachlorobenzene  
Concen: 53.594 ng  
RT: 16.445 min Scan# 2288  
Delta R.T. -0.000 min  
Lab File: BM050282.D  
Acq: 11 Jun 2025 20:02

Tgt Ion:284 Resp: 1156890  
Ion Ratio Lower Upper  
284 100  
142 33.2 28.8 43.2  
249 30.6 25.8 38.6





#69

Atrazine

Concen: 55.587 ng

RT: 16.604 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

Instrument :

BNA\_M

ClientSampleId :

ARS20-0032MSD

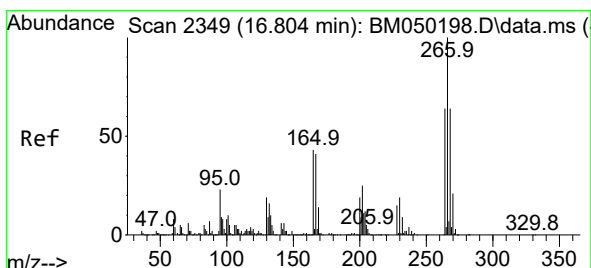
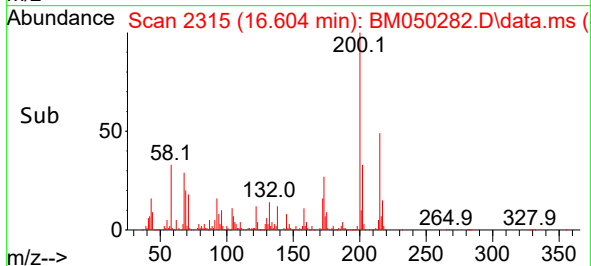
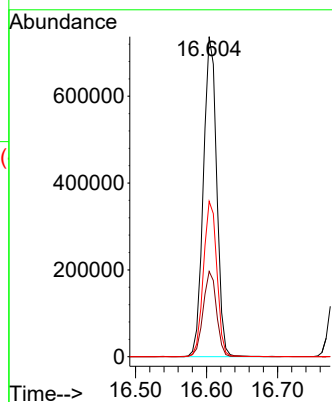
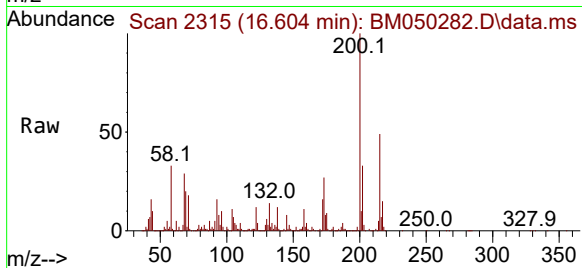
Tgt Ion:200 Resp: 964181

Ion Ratio Lower Upper

200 100

173 26.7 6.0 46.0

215 48.6 28.1 68.1



#70

Pentachlorophenol

Concen: 107.889 ng

RT: 16.786 min Scan# 2346

Delta R.T. -0.000 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

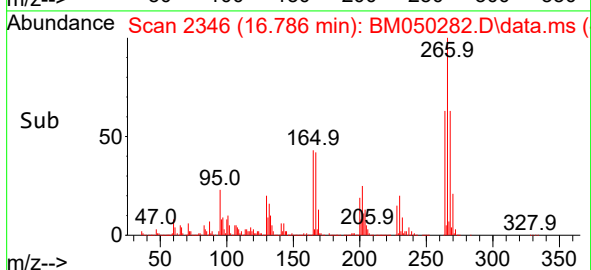
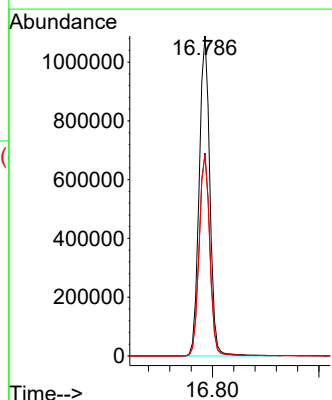
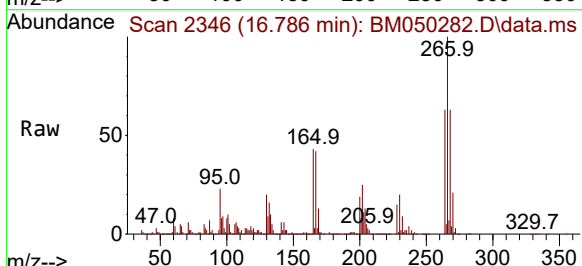
Tgt Ion:266 Resp: 1514137

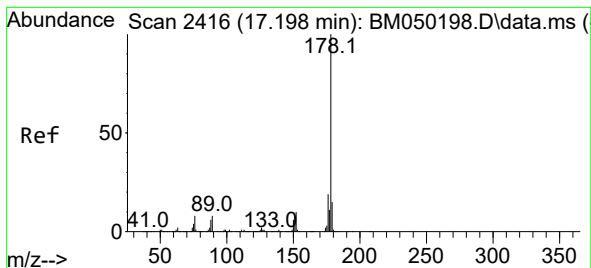
Ion Ratio Lower Upper

266 100

268 63.4 51.0 76.6

264 62.9 50.8 76.2





#71

Phenanthrene

Concen: 50.571 ng

RT: 17.174 min Scan# 2416

Delta R.T. -0.006 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

Instrument :

BNA\_M

ClientSampleId :

ARS20-0032MSD

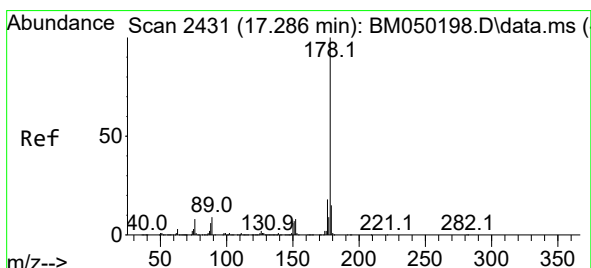
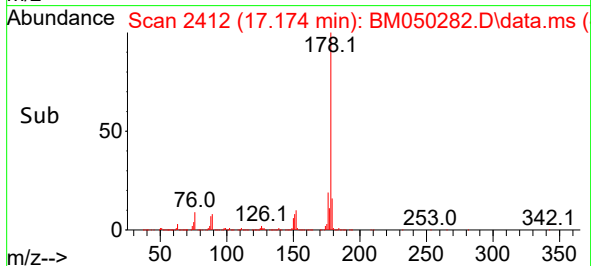
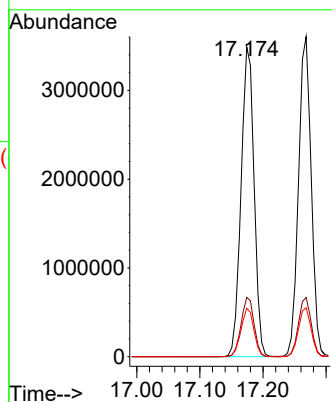
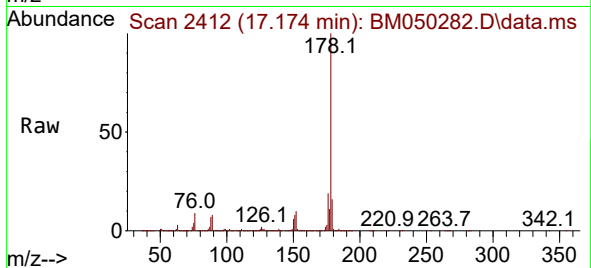
Tgt Ion:178 Resp: 5005231

Ion Ratio Lower Upper

178 100

176 19.2 15.6 23.4

179 15.6 12.3 18.5



#72

Anthracene

Concen: 51.130 ng

RT: 17.268 min Scan# 2428

Delta R.T. 0.000 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

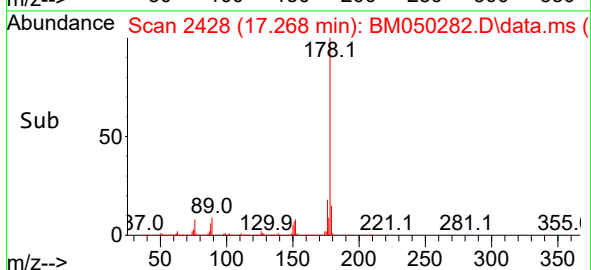
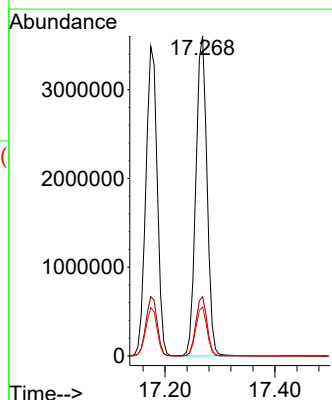
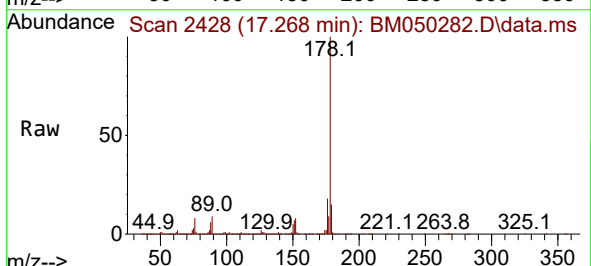
Tgt Ion:178 Resp: 5062533

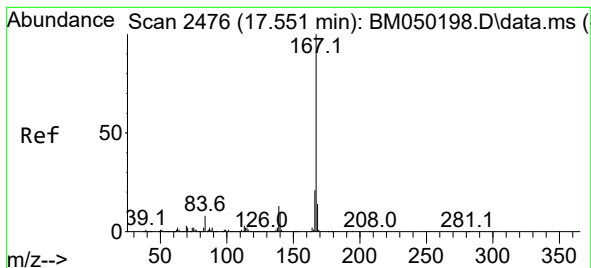
Ion Ratio Lower Upper

178 100

176 18.5 14.8 22.2

179 15.3 12.3 18.5





#73

Carbazole

Concen: 50.857 ng

RT: 17.533 min Scan# 24

Delta R.T. 0.000 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

Instrument :

BNA\_M

ClientSampleId :

ARS20-0032MSD

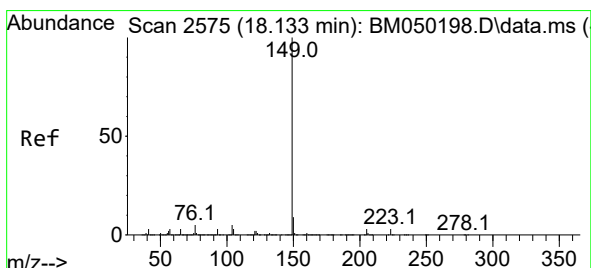
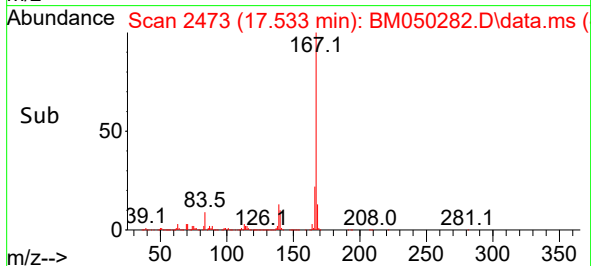
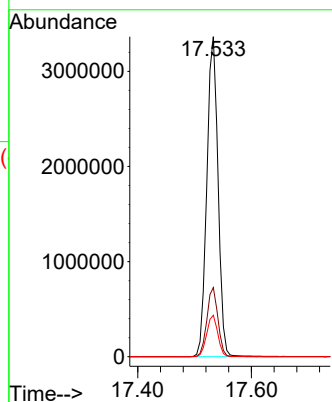
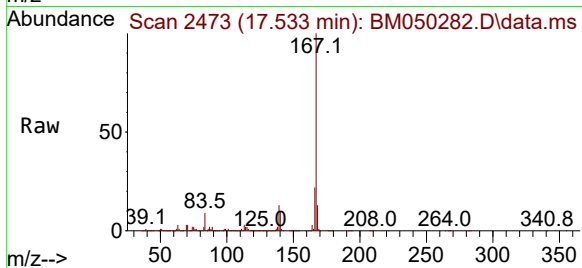
Tgt Ion:167 Resp: 4587470

Ion Ratio Lower Upper

167 100

166 21.6 17.0 25.6

139 12.9 10.2 15.4



#74

Di-n-butylphthalate

Concen: 55.962 ng

RT: 18.109 min Scan# 2571

Delta R.T. -0.006 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

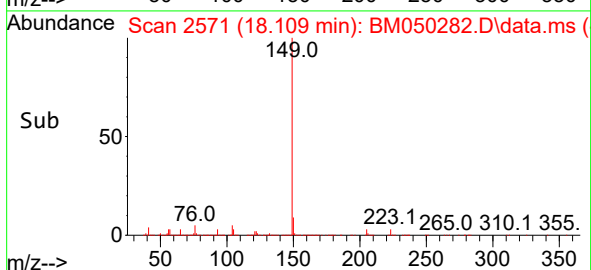
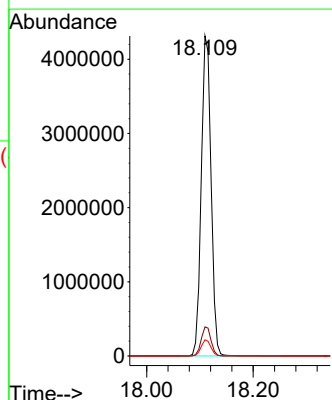
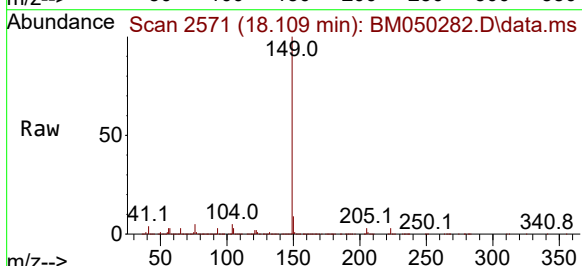
Tgt Ion:149 Resp: 5492575

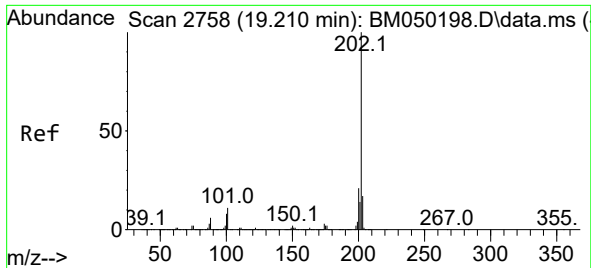
Ion Ratio Lower Upper

149 100

150 9.1 7.4 11.0

104 5.1 4.0 6.0

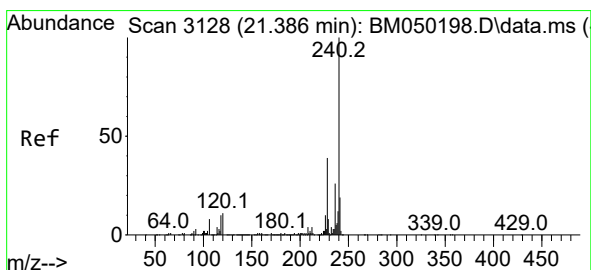
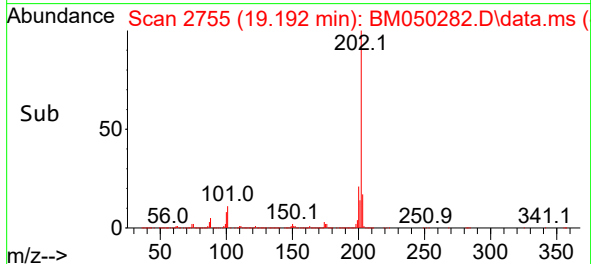
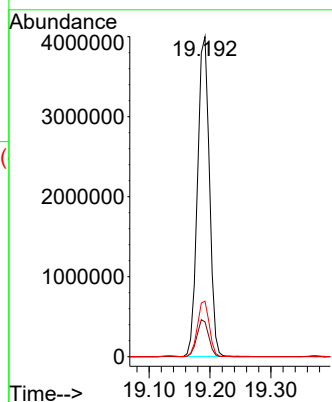
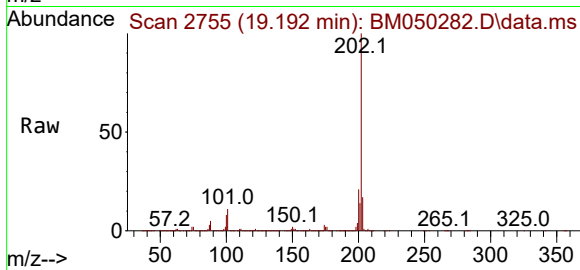




#75  
Fluoranthene  
Concen: 51.856 ng  
RT: 19.192 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BM050282.D  
Acq: 11 Jun 2025 20:02

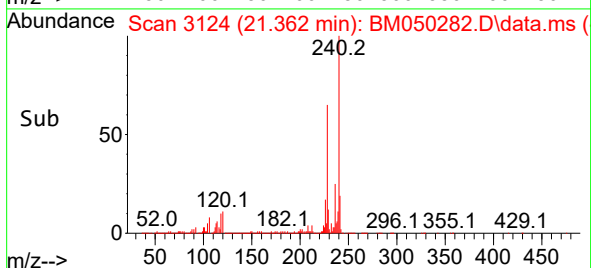
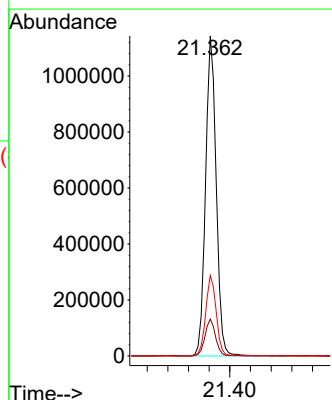
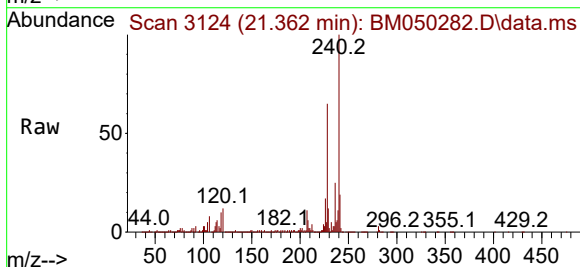
Instrument :  
BNA\_M  
ClientSampleId :  
ARS20-0032MSD

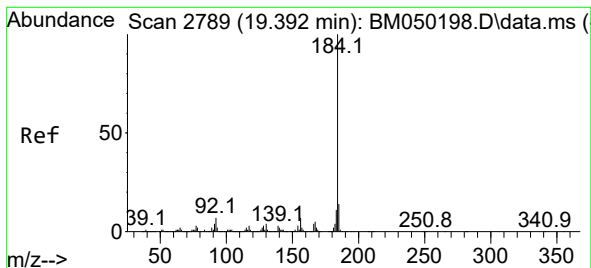
Tgt Ion:202 Resp: 5412522  
Ion Ratio Lower Upper  
202 100  
101 10.9 0.0 31.1  
203 17.4 0.0 37.0



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.362 min Scan# 3124  
Delta R.T. -0.012 min  
Lab File: BM050282.D  
Acq: 11 Jun 2025 20:02

Tgt Ion:240 Resp: 1630999  
Ion Ratio Lower Upper  
240 100  
120 11.5 9.0 13.4  
236 25.2 20.7 31.1





#77

Benzidine

Concen: 51.180 ng

RT: 19.374 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

Instrument :

BNA\_M

ClientSampleId :

ARS20-0032MSD

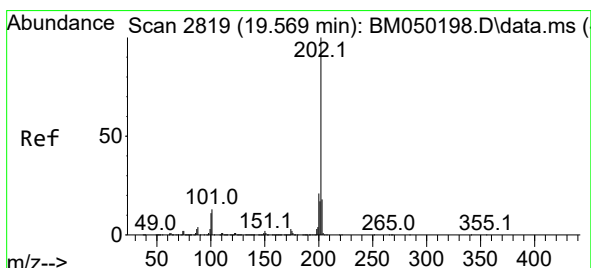
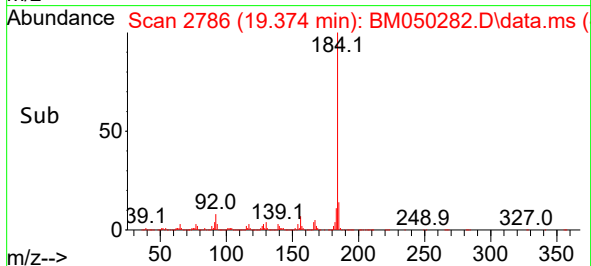
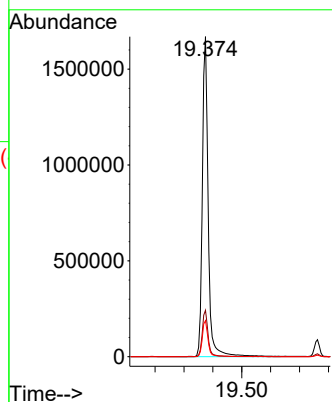
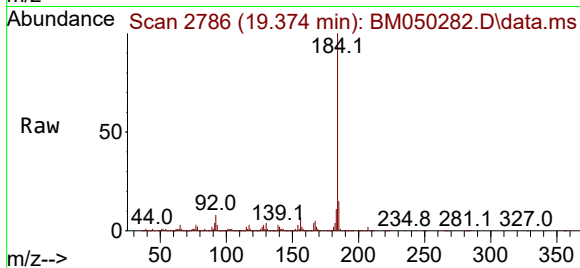
Tgt Ion:184 Resp: 2347379

Ion Ratio Lower Upper

184 100

185 14.5 11.5 17.3

183 11.2 9.0 13.4



#78

Pyrene

Concen: 51.344 ng

RT: 19.550 min Scan# 2816

Delta R.T. -0.006 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

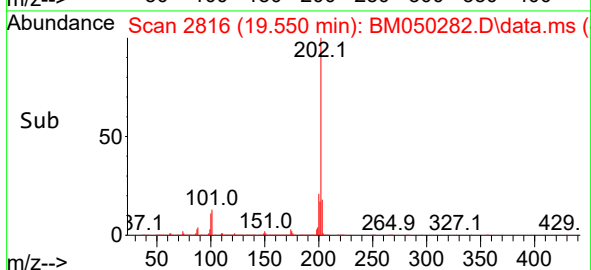
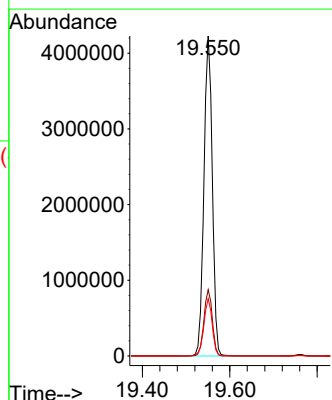
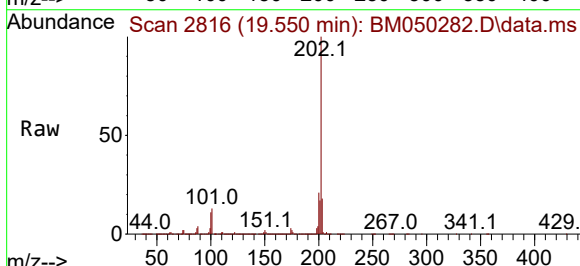
Tgt Ion:202 Resp: 5644253

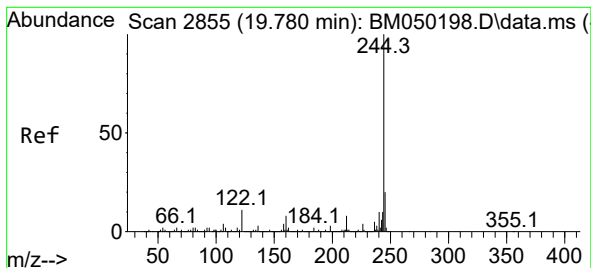
Ion Ratio Lower Upper

202 100

200 20.7 16.7 25.1

203 17.9 14.1 21.1





#79

Terphenyl-d14

Concen: 88.453 ng

RT: 19.762 min Scan# 2

Delta R.T. -0.006 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

Instrument :

BNA\_M

ClientSampleId :

ARS20-0032MSD

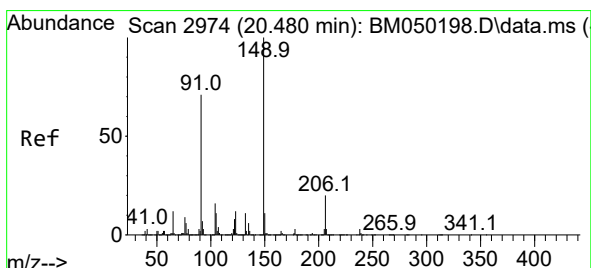
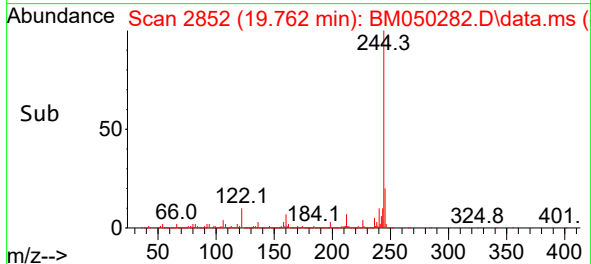
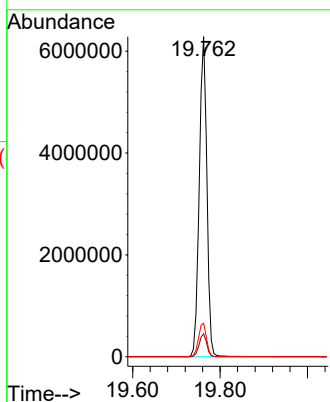
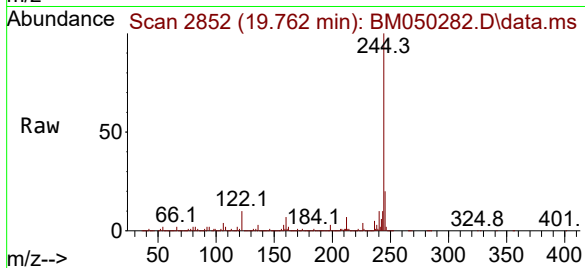
Tgt Ion:244 Resp: 7612920

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

122 10.4 8.6 12.8



#80

Butylbenzylphthalate

Concen: 59.918 ng

RT: 20.462 min Scan# 2971

Delta R.T. -0.006 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

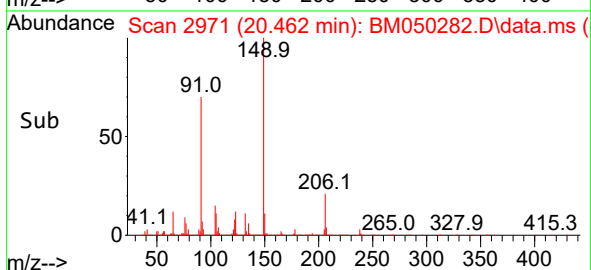
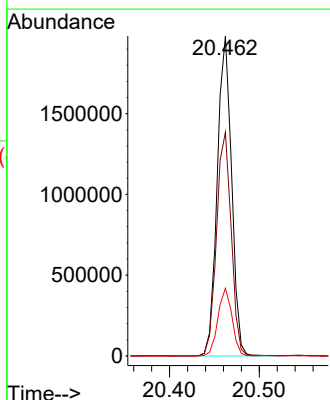
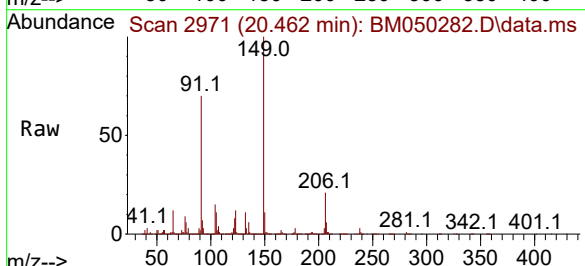
Tgt Ion:149 Resp: 2197120

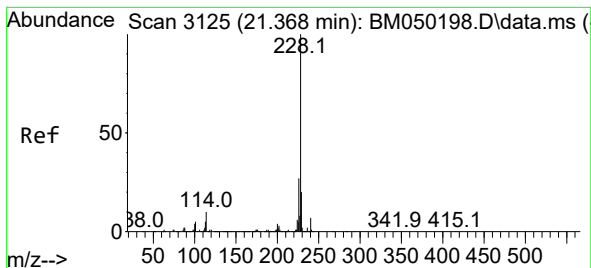
Ion Ratio Lower Upper

149 100

91 69.9 56.9 85.3

206 21.1 16.1 24.1





#81

Benzo(a)anthracene

Concen: 51.707 ng

RT: 21.344 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

Instrument :

BNA\_M

ClientSampleId :

ARS20-0032MSD

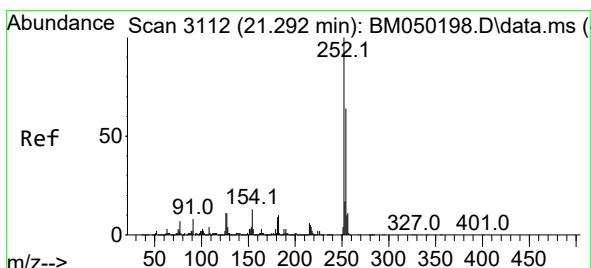
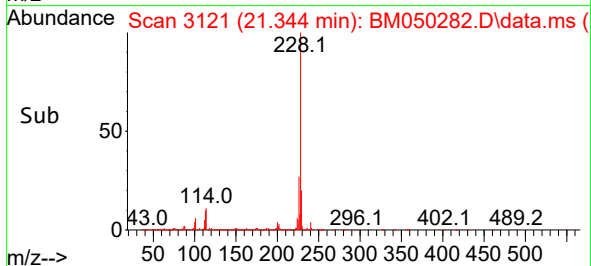
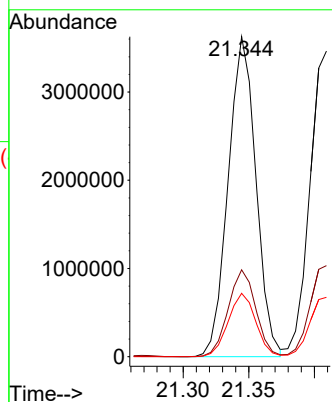
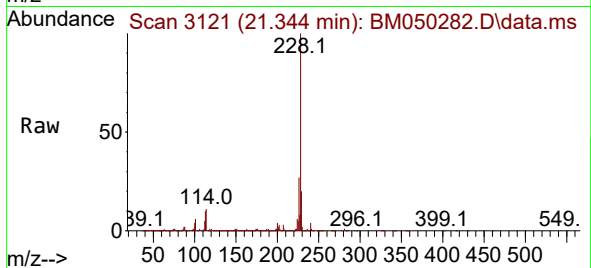
Tgt Ion:228 Resp: 5337943

Ion Ratio Lower Upper

228 100

226 27.1 21.7 32.5

229 19.8 15.7 23.5



#82

3,3'-Dichlorobenzidine

Concen: 39.632 ng

RT: 21.268 min Scan# 3108

Delta R.T. -0.006 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

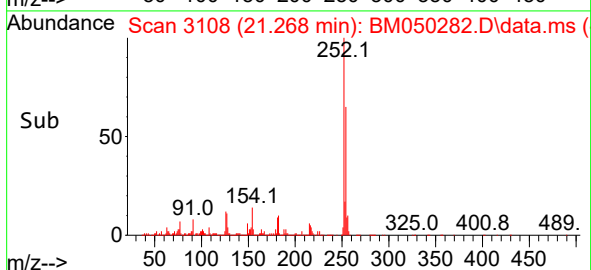
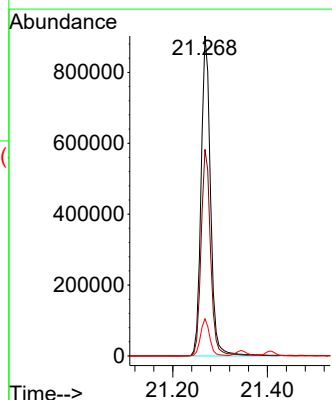
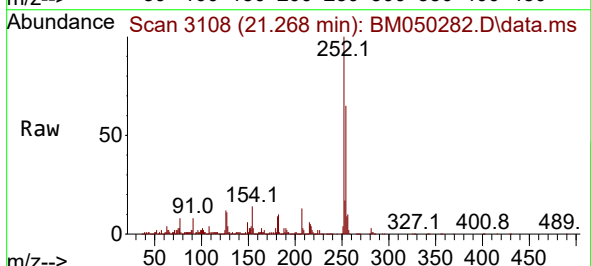
Tgt Ion:252 Resp: 1247674

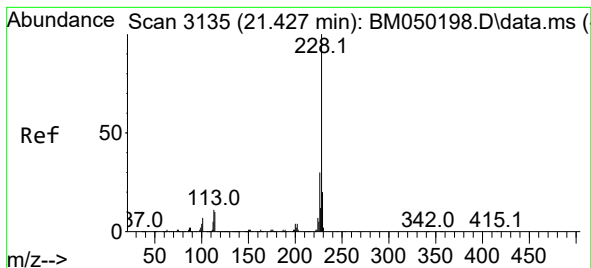
Ion Ratio Lower Upper

252 100

254 64.5 51.4 77.0

126 11.6 8.6 12.8





#83

Chrysene

Concen: 51.840 ng

RT: 21.409 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

Instrument :

BNA\_M

ClientSampleId :

ARS20-0032MSD

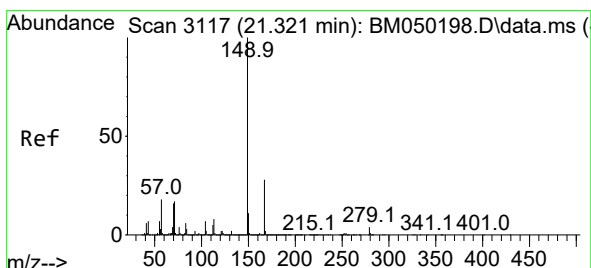
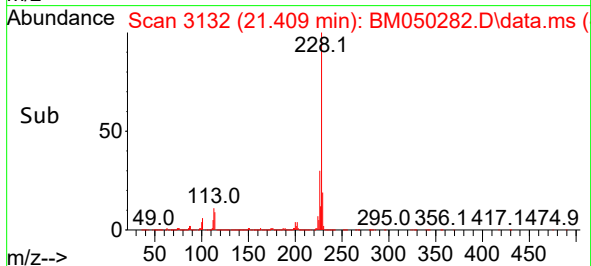
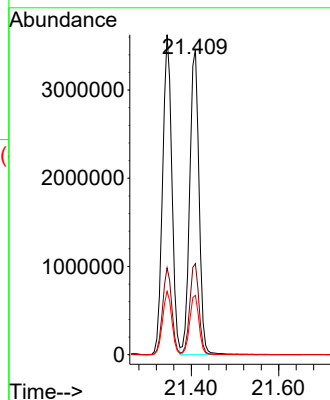
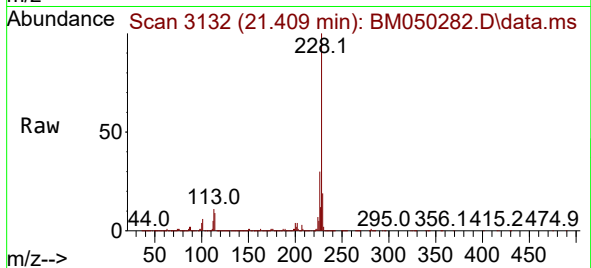
Tgt Ion:228 Resp: 5090634

Ion Ratio Lower Upper

228 100

226 29.8 24.3 36.5

229 19.4 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 59.549 ng

RT: 21.292 min Scan# 3112

Delta R.T. -0.012 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

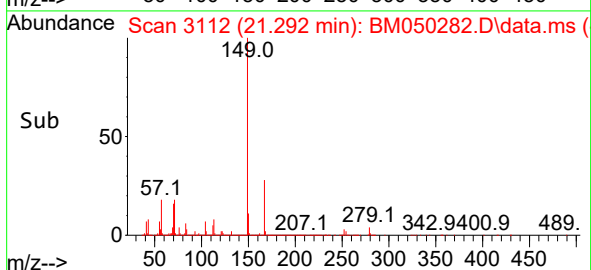
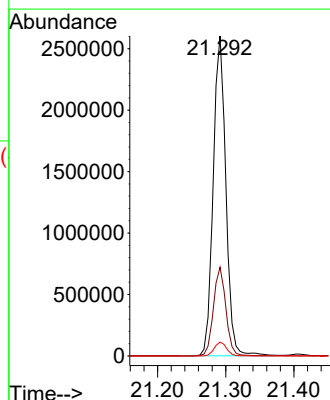
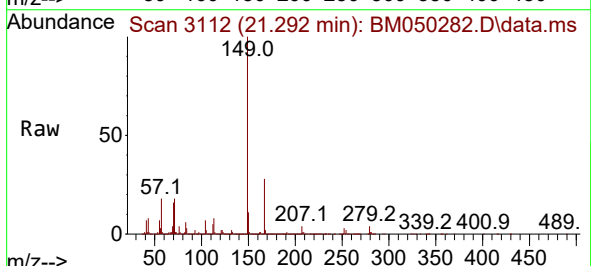
Tgt Ion:149 Resp: 3363446

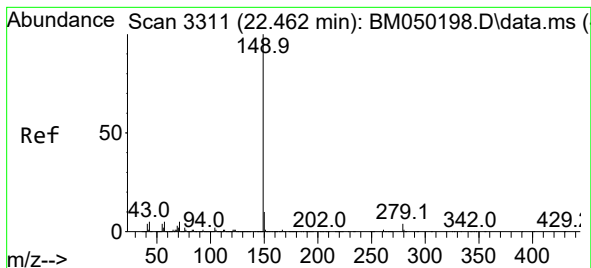
Ion Ratio Lower Upper

149 100

167 27.7 22.3 33.5

279 4.4 3.5 5.3





#85

Di-n-octyl phthalate

Concen: 64.674 ng

RT: 22.421 min Scan# 31

Delta R.T. -0.018 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

Instrument :

BNA\_M

ClientSampleId :

ARS20-0032MSD

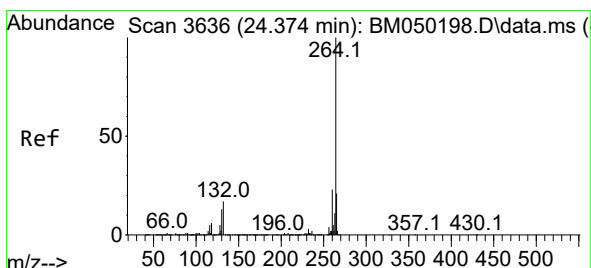
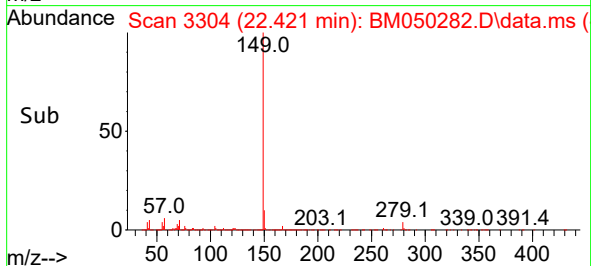
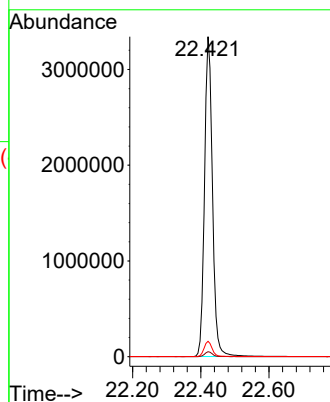
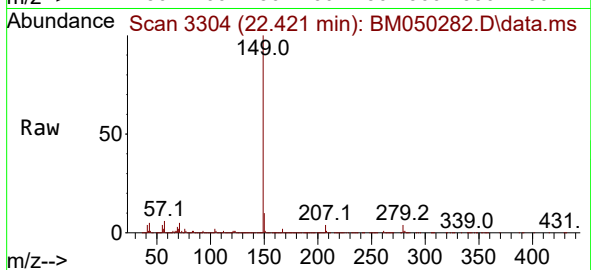
Tgt Ion:149 Resp: 5420515

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

43 5.0 3.8 5.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.333 min Scan# 3629

Delta R.T. -0.012 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

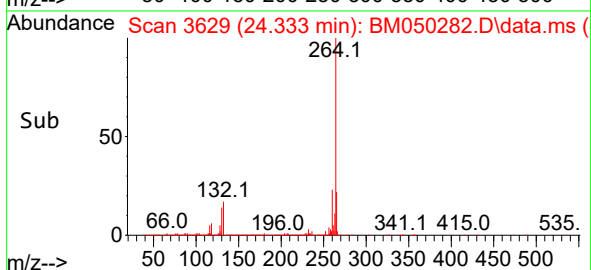
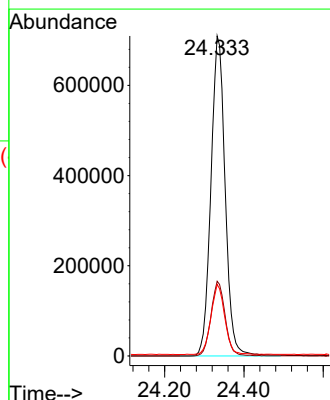
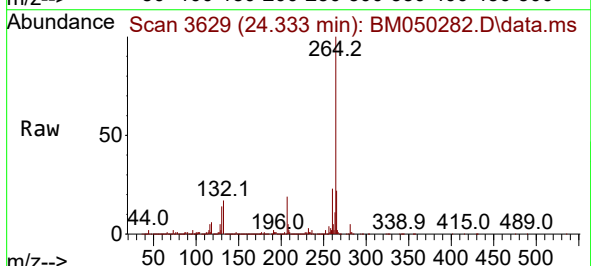
Tgt Ion:264 Resp: 1766581

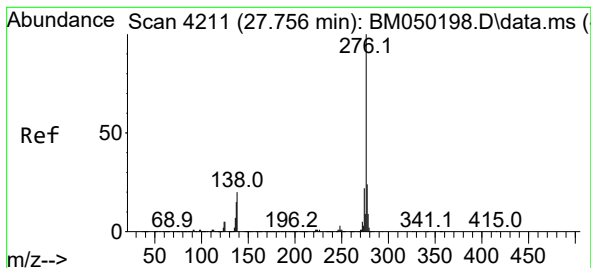
Ion Ratio Lower Upper

264 100

260 23.3 18.6 28.0

265 22.3 16.8 25.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 58.782 ng

RT: 27.691 min Scan# 41

Delta R.T. -0.018 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

Instrument :

BNA\_M

ClientSampleId :

ARS20-0032MSD

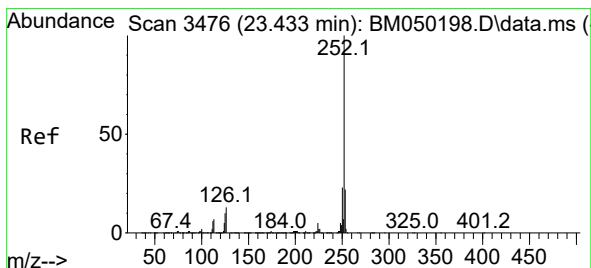
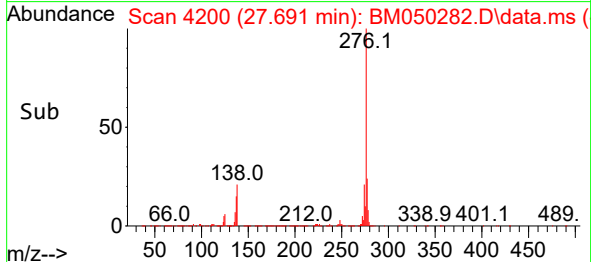
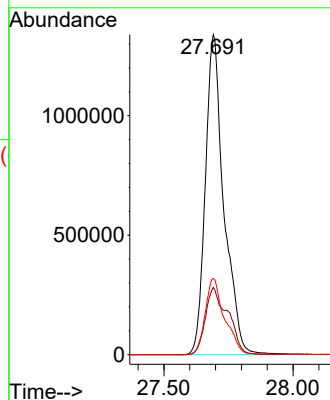
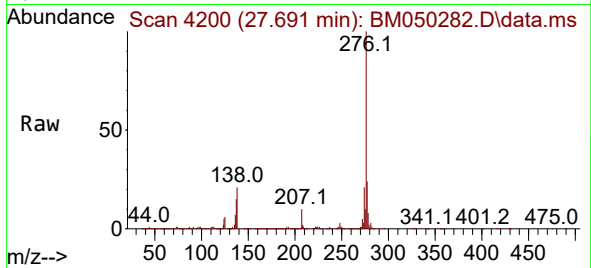
Tgt Ion:276 Resp: 6686247

Ion Ratio Lower Upper

276 100

138 25.6 20.6 30.8

277 24.9 19.8 29.6



#88

Benzo(b)fluoranthene

Concen: 52.980 ng

RT: 23.403 min Scan# 3471

Delta R.T. -0.006 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

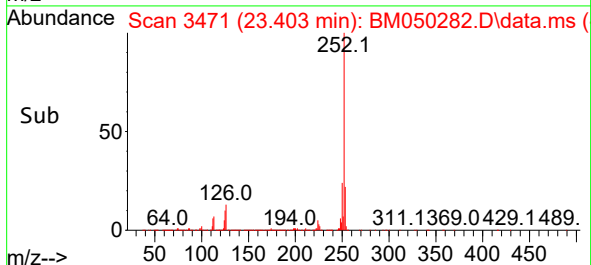
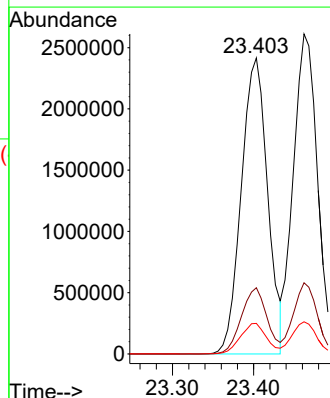
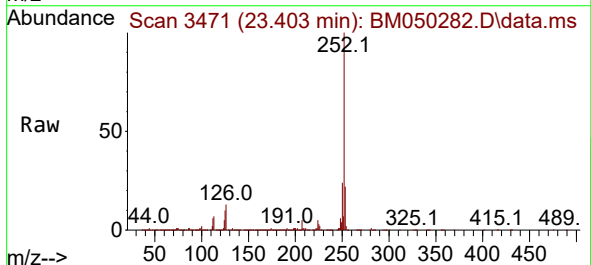
Tgt Ion:252 Resp: 5441573

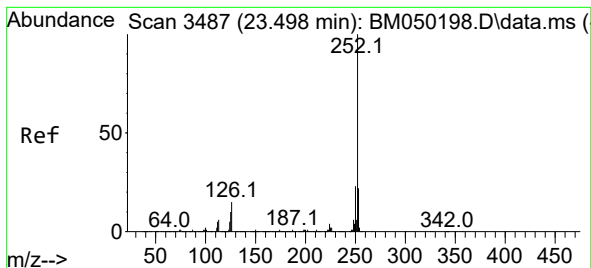
Ion Ratio Lower Upper

252 100

253 22.4 17.2 25.8

125 10.3 8.2 12.4





#89

Benzo(k)fluoranthene

Concen: 52.274 ng

RT: 23.462 min Scan# 34

Delta R.T. -0.012 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

Instrument :

BNA\_M

ClientSampleId :

ARS20-0032MSD

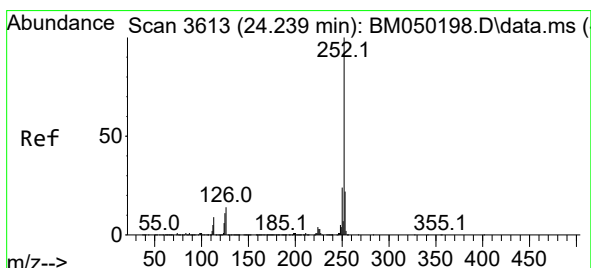
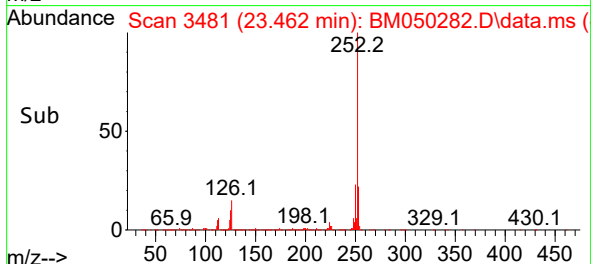
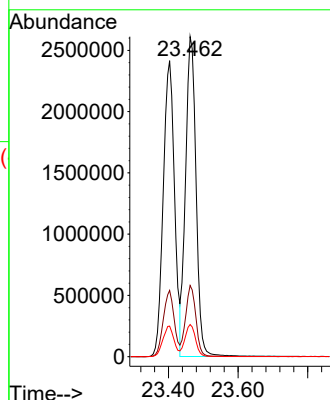
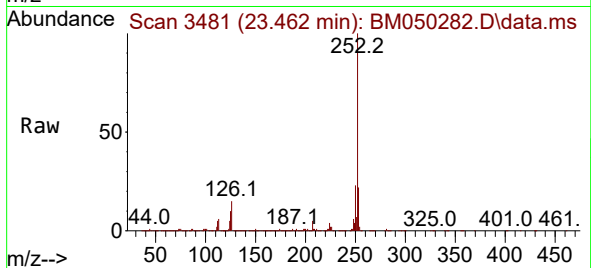
Tgt Ion:252 Resp: 5481028

Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.2

125 10.0 8.2 12.4



#90

Benzo(a)pyrene

Concen: 54.112 ng

RT: 24.197 min Scan# 3606

Delta R.T. -0.012 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

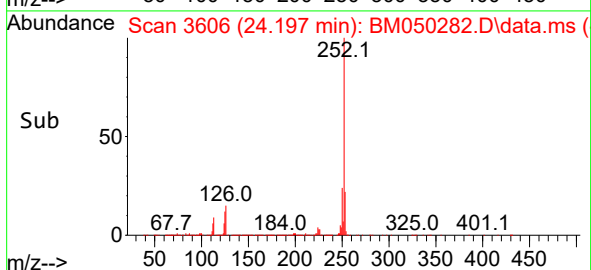
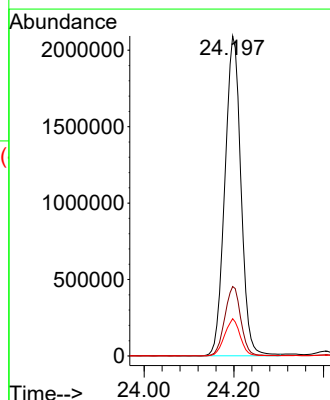
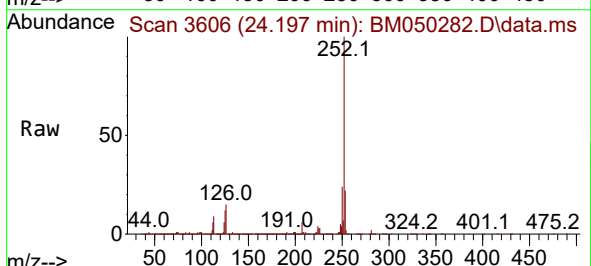
Tgt Ion:252 Resp: 5225589

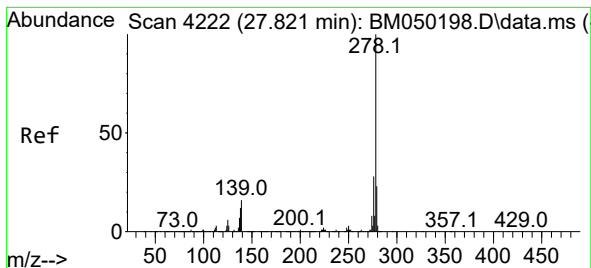
Ion Ratio Lower Upper

252 100

253 21.7 17.6 26.4

125 11.6 9.0 13.4





#91

Dibenzo(a,h)anthracene

Concen: 58.916 ng

RT: 27.756 min Scan# 41

Delta R.T. -0.012 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

Instrument :

BNA\_M

ClientSampleId :

ARS20-0032MSD

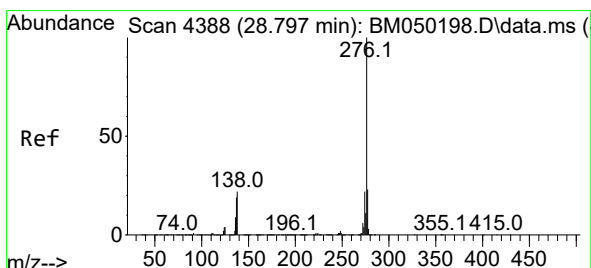
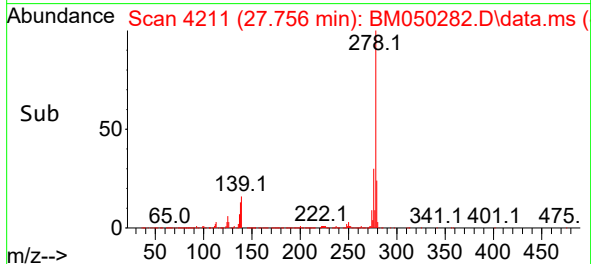
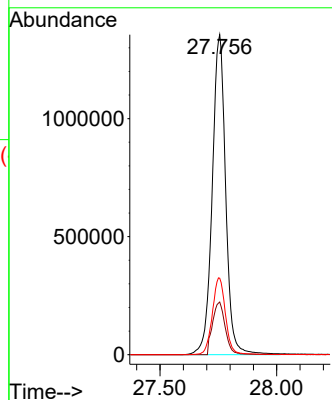
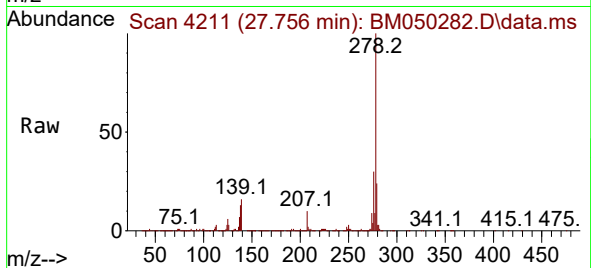
Tgt Ion:278 Resp: 5439587

Ion Ratio Lower Upper

278 100

139 16.5 12.8 19.2

279 23.9 18.6 28.0



#92

Benzo(g,h,i)perylene

Concen: 58.996 ng

RT: 28.738 min Scan# 4378

Delta R.T. -0.012 min

Lab File: BM050282.D

Acq: 11 Jun 2025 20:02

Tgt Ion:276 Resp: 5451723

Ion Ratio Lower Upper

276 100

277 23.6 18.6 27.8

138 21.7 17.8 26.6

