

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122724\  
 Data File : BF141010.D  
 Acq On : 27 Dec 2024 21:17  
 Operator : RC/JU  
 Sample : P5343-01MSD  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 VNJ210MSD

Quant Time: Dec 27 22:22:09 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122624.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 27 00:31:16 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.828  | 152  | 244402   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.110  | 136  | 947790   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.857  | 164  | 470653   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.345 | 188  | 634268   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.986 | 240  | 466583   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.433 | 264  | 379375   | 20.000  | ng    | -0.01    |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.440  | 112  | 1717076  | 105.903 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.445  | 99   | 2215670  | 106.080 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.387  | 82   | 1358509  | 91.702  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.645 | 330  | 481486   | 105.280 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.181  | 172  | 2151269  | 72.824  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.927 | 244  | 1661845  | 59.160  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.646  | 88   | 352994   | 48.089  | ng    | 99       |
| 3) Pyridine                   | 3.381  | 79   | 901244   | 50.239  | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.328  | 42   | 466622   | 51.338  | ng    | 100      |
| 6) Aniline                    | 6.487  | 93   | 552803   | 29.676  | ng    | 99       |
| 8) 2-Chlorophenol             | 6.604  | 128  | 917088   | 53.649  | ng    | 100      |
| 9) Benzaldehyde               | 6.369  | 77   | 192953   | 13.392  | ng    | 99       |
| 10) Phenol                    | 6.463  | 94   | 1161728  | 53.790  | ng    | 100      |
| 11) bis(2-Chloroethyl)ether   | 6.563  | 93   | 871334   | 49.966  | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 6.769  | 146  | 933995   | 49.508  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.845  | 146  | 950448   | 49.976  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 6.992  | 146  | 910449   | 51.346  | ng    | 99       |
| 15) Benzyl Alcohol            | 6.963  | 79   | 796995   | 53.100  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.098  | 45   | 1377264  | 52.224  | ng    | 100      |
| 17) 2-Methylphenol            | 7.075  | 107  | 735554   | 51.794  | ng    | 100      |
| 18) Hexachloroethane          | 7.339  | 117  | 348310   | 51.557  | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 7.239  | 70   | 648308   | 50.665  | ng    | 99       |
| 20) 3+4-Methylphenols         | 7.228  | 107  | 910105   | 50.641  | ng    | # 89     |
| 22) Acetophenone              | 7.234  | 105  | 1191049  | 51.226  | ng    | 97       |
| 24) Nitrobenzene              | 7.404  | 77   | 946113   | 57.155  | ng    | 98       |
| 25) Isophorone                | 7.645  | 82   | 1712669  | 53.128  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.722  | 139  | 454421   | 64.889  | ng    | 99       |
| 27) 2,4-Dimethylphenol        | 7.757  | 122  | 744356   | 63.180  | ng    | 100      |
| 28) bis(2-Chloroethoxy)met... | 7.857  | 93   | 1048948  | 51.357  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.963  | 162  | 708461   | 53.021  | ng    | 100      |
| 30) 1,2,4-Trichlorobenzene    | 8.051  | 180  | 748623   | 49.500  | ng    | 100      |
| 31) Naphthalene               | 8.128  | 128  | 2515301  | 50.364  | ng    | 100      |
| 32) Benzoic acid              | 7.863  | 122  | 556997   | 55.934  | ng    | 96       |
| 33) 4-Chloroaniline           | 8.175  | 127  | 173458   | 9.600   | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.251  | 225  | 446981   | 50.133  | ng    | 99       |
| 35) Caprolactam               | 8.545  | 113  | 224349   | 49.389  | ng    | 99       |
| 36) 4-Chloro-3-methylphenol   | 8.651  | 107  | 758524   | 51.116  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.816  | 142  | 1619323  | 50.683  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.916  | 142  | 1501869  | 47.830  | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 8.981  | 216  | 711189   | 54.926  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.975  | 237  | 484969   | 113.023 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.092  | 196  | 489073   | 56.752  | ng    | 99       |

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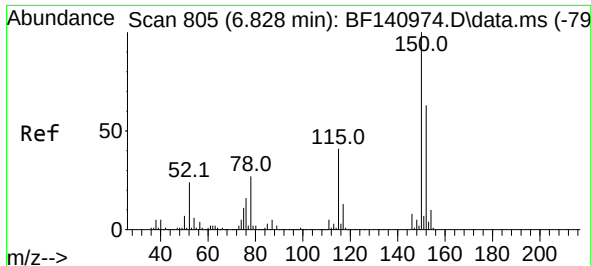
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| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.133  | 196  | 482152   | 54.681  | ng    | 98       |
| 46) 1,1'-Biphenyl             | 9.281  | 154  | 1925737  | 53.437  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.304  | 162  | 1447674  | 51.796  | ng    | 100      |
| 48) 2-Nitroaniline            | 9.398  | 65   | 453950   | 60.722  | ng    | 96       |
| 49) Acenaphthylene            | 9.722  | 152  | 2216087  | 55.079  | ng    | 100      |
| 50) Dimethylphthalate         | 9.586  | 163  | 1697243  | 54.824  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.639  | 165  | 361618   | 56.571  | ng    | 99       |
| 52) Acenaphthene              | 9.892  | 154  | 1513842  | 55.655  | ng    | 99       |
| 53) 3-Nitroaniline            | 9.804  | 138  | 211497   | 31.974  | ng #  | 96       |
| 54) 2,4-Dinitrophenol         | 9.910  | 184  | 240023   | 90.210  | ng #  | 1        |
| 55) Dibenzofuran              | 10.063 | 168  | 1950405  | 51.022  | ng    | 100      |
| 56) 4-Nitrophenol             | 9.963  | 139  | 536898   | 101.386 | ng    | 95       |
| 57) 2,4-Dinitrotoluene        | 10.045 | 165  | 457659   | 58.185  | ng    | 94       |
| 58) Fluorene                  | 10.410 | 166  | 1429042  | 48.209  | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.180 | 232  | 379427   | 51.957  | ng    | 99       |
| 60) Diethylphthalate          | 10.286 | 149  | 1585267  | 51.869  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.404 | 204  | 707519   | 49.604  | ng    | 97       |
| 62) 4-Nitroaniline            | 10.422 | 138  | 298741   | 43.864  | ng    | 93       |
| 63) Azobenzene                | 10.563 | 77   | 1778277  | 55.434  | ng    | 92       |
| 65) 4,6-Dinitro-2-methylph... | 10.445 | 198  | 168696   | 63.066  | ng    | 100      |
| 66) n-Nitrosodiphenylamine    | 10.516 | 169  | 1278233  | 63.998  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.892 | 248  | 430720   | 62.819  | ng    | 97       |
| 68) Hexachlorobenzene         | 10.951 | 284  | 433475   | 57.335  | ng    | 98       |
| 69) Atrazine                  | 11.045 | 200  | 405050   | 72.592  | ng    | 98       |
| 70) Pentachlorophenol         | 11.145 | 266  | 510819   | 108.519 | ng    | 99       |
| 71) Phenanthrene              | 11.369 | 178  | 2065974  | 61.889  | ng    | 100      |
| 72) Anthracene                | 11.422 | 178  | 1903959  | 58.207  | ng    | 99       |
| 73) Carbazole                 | 11.574 | 167  | 1598994  | 50.850  | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.910 | 149  | 2026128  | 56.650  | ng    | 100      |
| 75) Fluoranthene              | 12.557 | 202  | 2179507  | 60.199  | ng    | 99       |
| 77) Benzidine                 | 12.674 | 184  | 425214   | 43.122  | ng    | 99       |
| 78) Pyrene                    | 12.786 | 202  | 2262545  | 55.446  | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.410 | 149  | 782026   | 52.483  | ng    | 100      |
| 81) Benzo(a)anthracene        | 13.974 | 228  | 1917148  | 58.956  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.933 | 252  | 292628   | 29.952  | ng    | 99       |
| 83) Chrysene                  | 14.010 | 228  | 1749338  | 59.676  | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 13.968 | 149  | 1054120  | 54.538  | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.586 | 149  | 1830651  | 65.440  | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.886 | 276  | 1277978  | 53.469  | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 15.015 | 252  | 1771281  | 66.944  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.045 | 252  | 1222563  | 58.953  | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.374 | 252  | 1354991  | 65.978  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 16.904 | 278  | 983815   | 50.778  | ng    | 100      |
| 92) Benzo(g,h,i)perylene      | 17.321 | 276  | 964009   | 47.972  | ng    | 99       |

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

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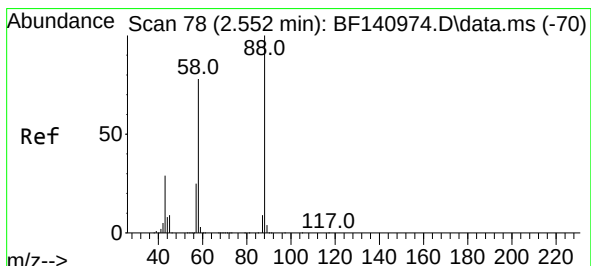
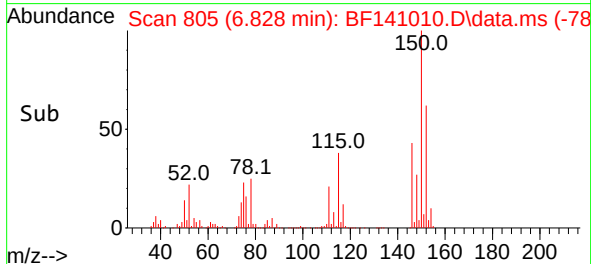
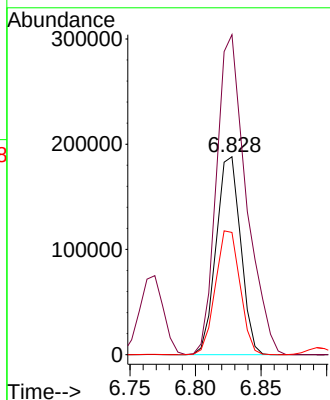
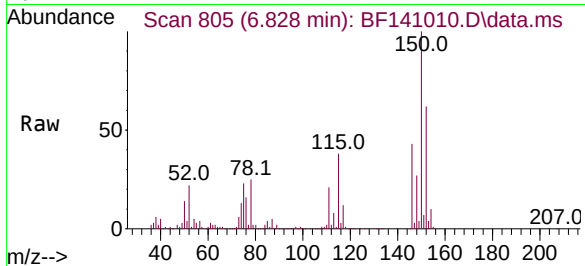




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.828 min Scan# 80  
 Delta R.T. -0.000 min  
 Lab File: BF141010.D  
 Acq: 27 Dec 2024 21:17

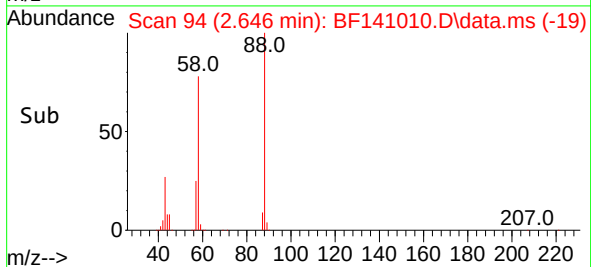
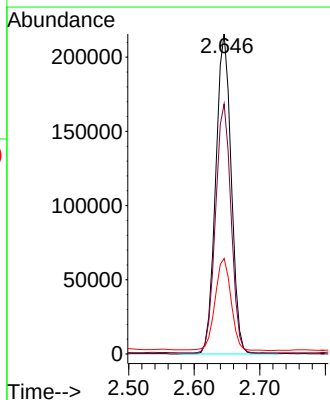
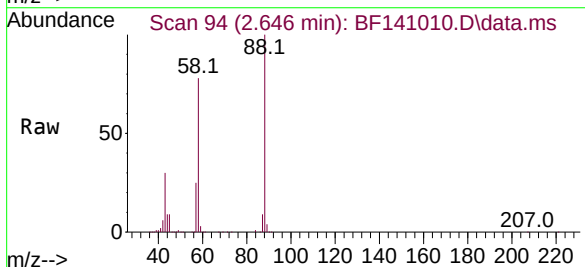
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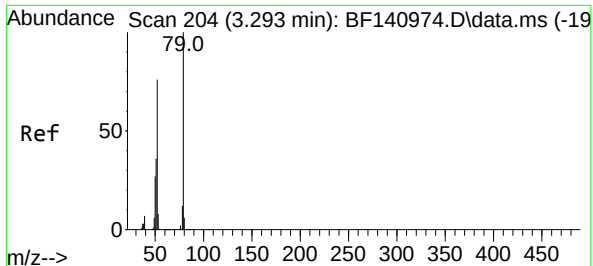
Tgt Ion:152 Resp: 244402  
 Ion Ratio Lower Upper  
 152 100  
 150 161.7 127.0 190.6  
 115 61.7 51.7 77.5



#2  
 1,4-Dioxane  
 Concen: 48.089 ng  
 RT: 2.646 min Scan# 94  
 Delta R.T. 0.094 min  
 Lab File: BF141010.D  
 Acq: 27 Dec 2024 21:17

Tgt Ion: 88 Resp: 352994  
 Ion Ratio Lower Upper  
 88 100  
 58 77.8 63.0 94.4  
 43 29.8 23.4 35.2

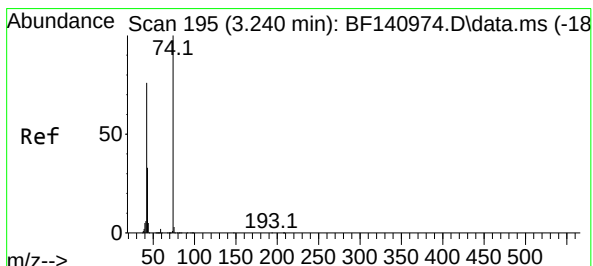
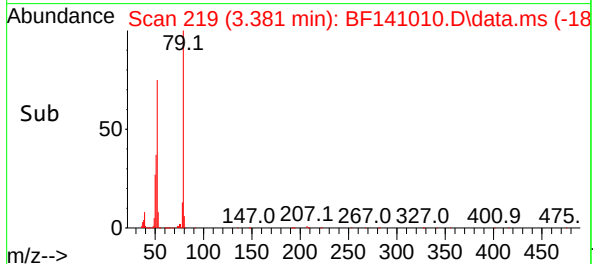
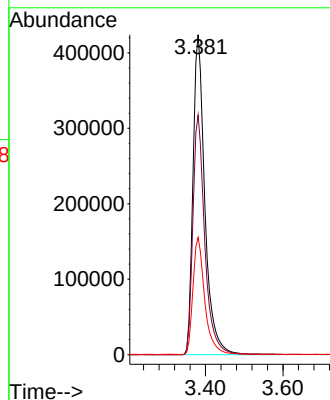
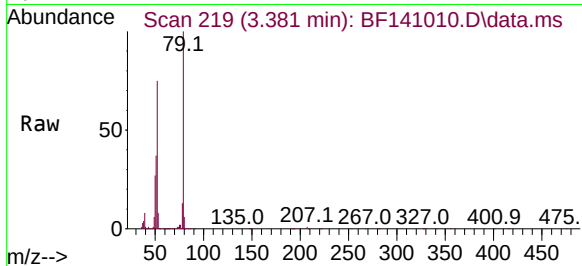




#3  
Pyridine  
Concen: 50.239 ng  
RT: 3.381 min Scan# 210  
Delta R.T. 0.088 min  
Lab File: BF141010.D  
Acq: 27 Dec 2024 21:17

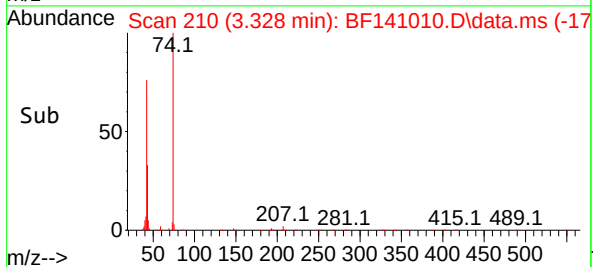
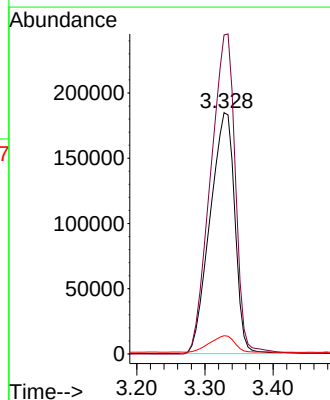
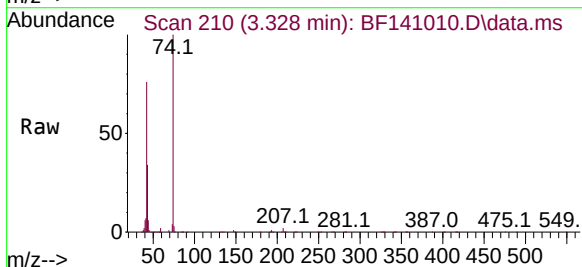
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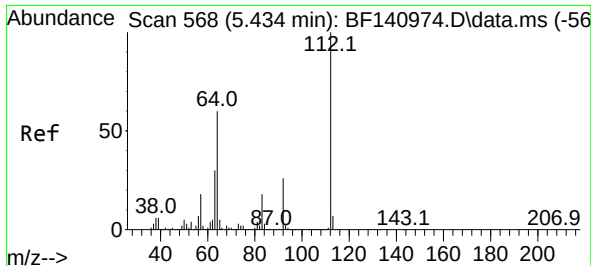
Tgt Ion: 79 Resp: 901244  
Ion Ratio Lower Upper  
79 100  
52 74.9 60.4 90.6  
51 36.7 28.8 43.2



#4  
n-Nitrosodimethylamine  
Concen: 51.338 ng  
RT: 3.328 min Scan# 210  
Delta R.T. 0.088 min  
Lab File: BF141010.D  
Acq: 27 Dec 2024 21:17

Tgt Ion: 42 Resp: 466622  
Ion Ratio Lower Upper  
42 100  
74 132.2 105.8 158.6  
44 7.6 6.6 10.0

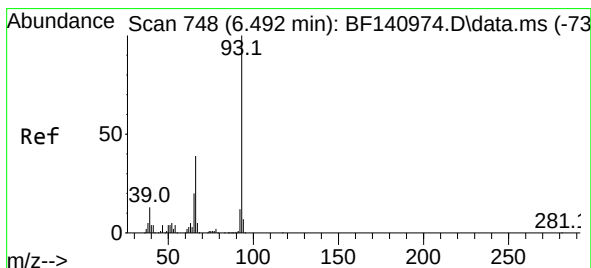
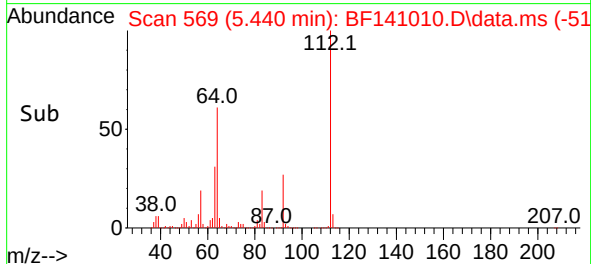
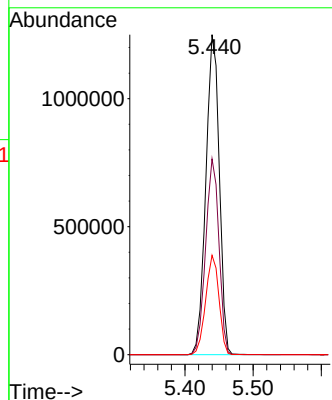
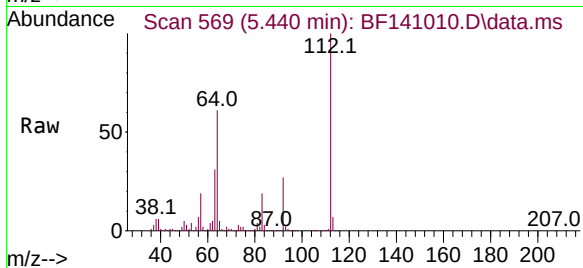




#5  
2-Fluorophenol  
Concen: 105.903 ng  
RT: 5.440 min Scan# 50  
Delta R.T. 0.006 min  
Lab File: BF141010.D  
Acq: 27 Dec 2024 21:17

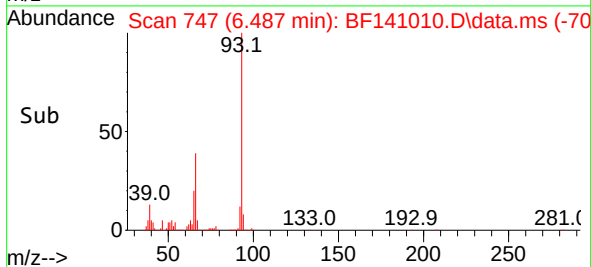
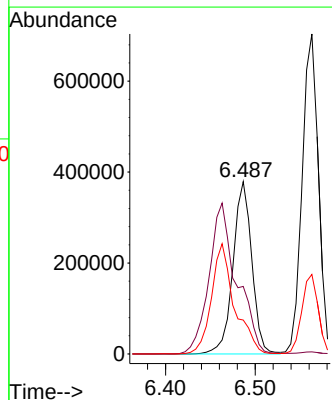
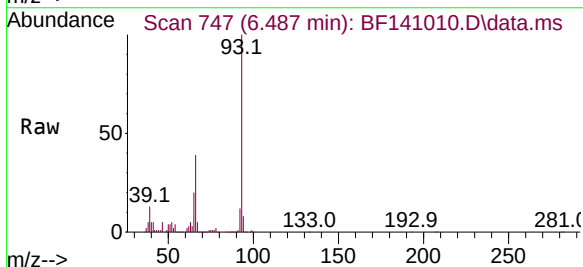
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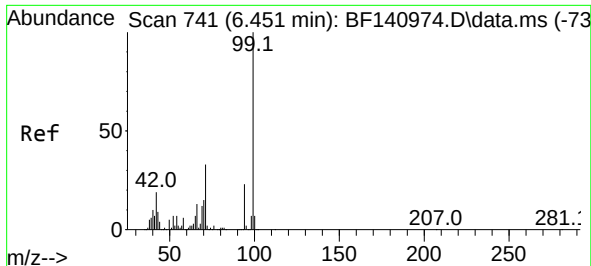
Tgt Ion:112 Resp: 1717076  
Ion Ratio Lower Upper  
112 100  
64 61.2 47.7 71.5  
63 31.0 24.2 36.2



#6  
Aniline  
Concen: 29.676 ng  
RT: 6.487 min Scan# 747  
Delta R.T. -0.024 min  
Lab File: BF141010.D  
Acq: 27 Dec 2024 21:17

Tgt Ion: 93 Resp: 552803  
Ion Ratio Lower Upper  
93 100  
66 39.2 31.8 47.8  
65 19.7 15.4 23.0

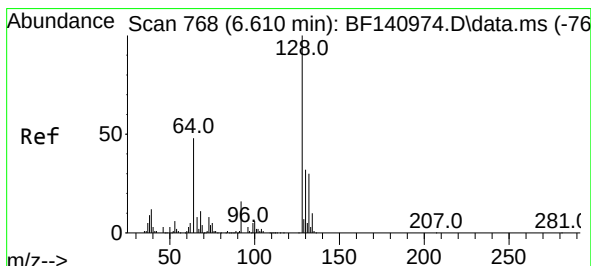
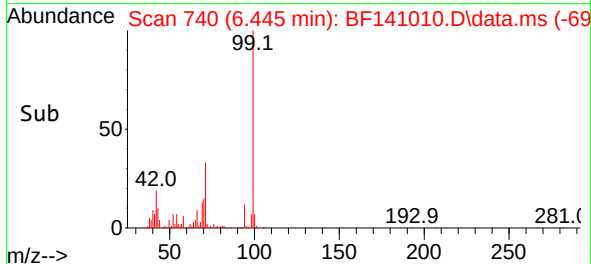
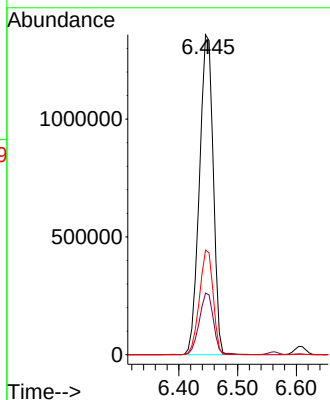
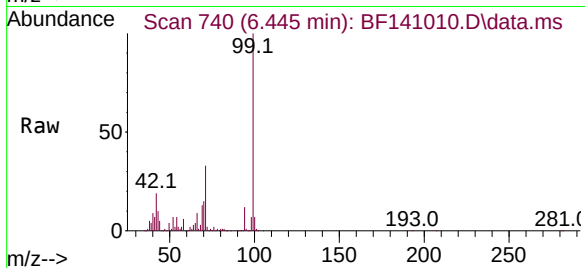




#7  
Phenol-d6  
Concen: 106.080 ng  
RT: 6.445 min Scan# 741  
Delta R.T. -0.006 min  
Lab File: BF141010.D  
Acq: 27 Dec 2024 21:17

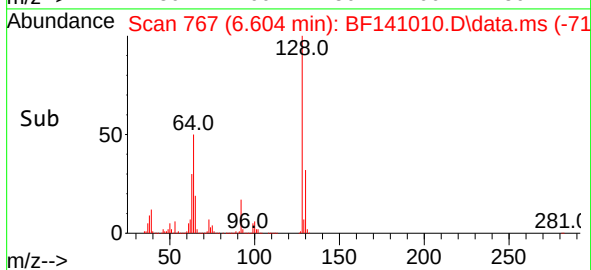
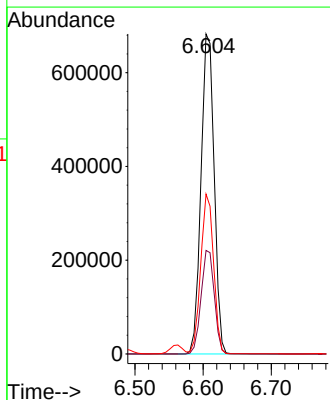
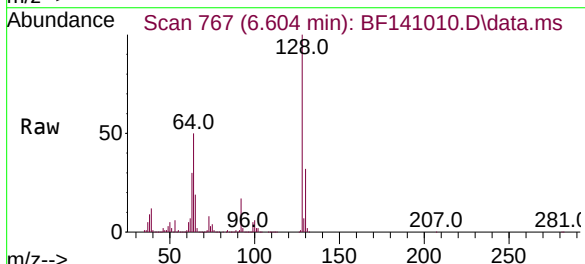
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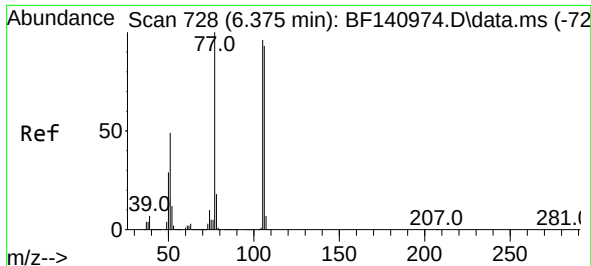
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Ion Ratio Lower Upper  
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71 32.7 26.2 39.2



#8  
2-Chlorophenol  
Concen: 53.649 ng  
RT: 6.604 min Scan# 767  
Delta R.T. -0.006 min  
Lab File: BF141010.D  
Acq: 27 Dec 2024 21:17

Tgt Ion: 128 Resp: 917088  
Ion Ratio Lower Upper  
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64 49.9 30.3 70.3

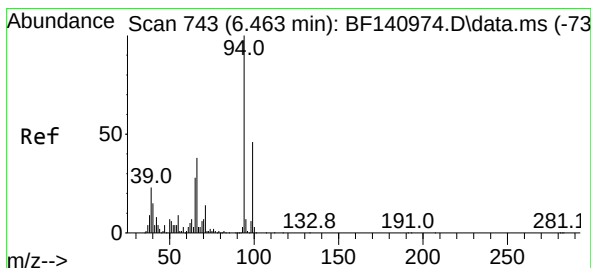
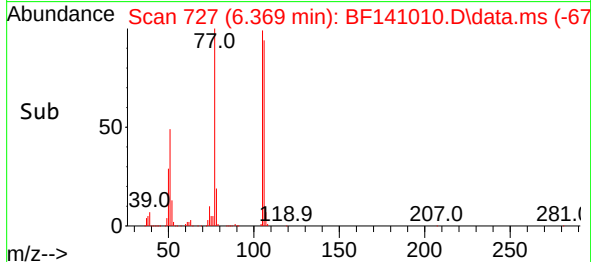
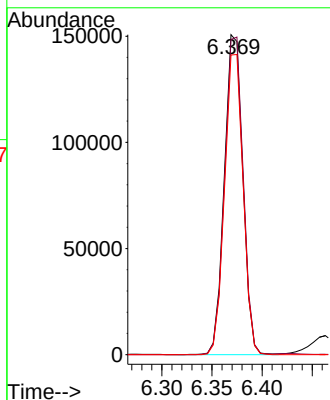
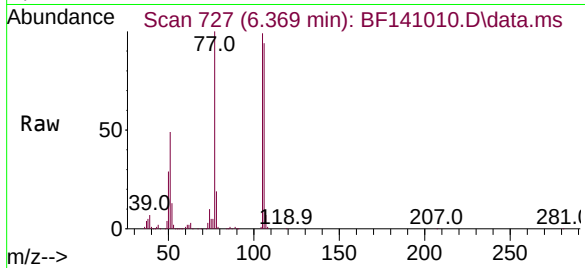




#9  
Benzaldehyde  
Concen: 13.392 ng  
RT: 6.369 min Scan# 710  
Delta R.T. -0.006 min  
Lab File: BF141010.D  
Acq: 27 Dec 2024 21:17

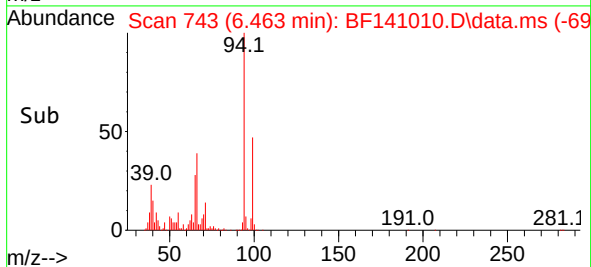
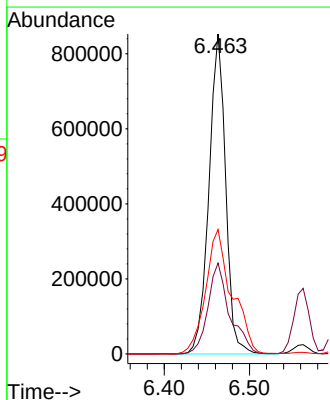
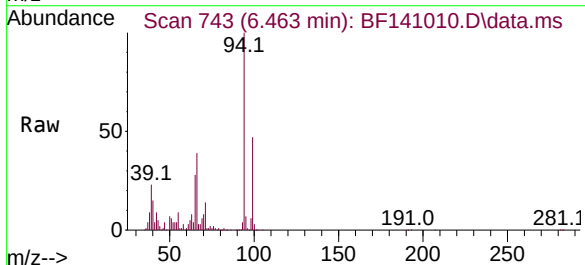
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ210MSD

Tgt Ion: 77 Resp: 192953  
Ion Ratio Lower Upper  
77 100  
105 98.5 76.2 116.2  
106 93.7 73.4 113.4

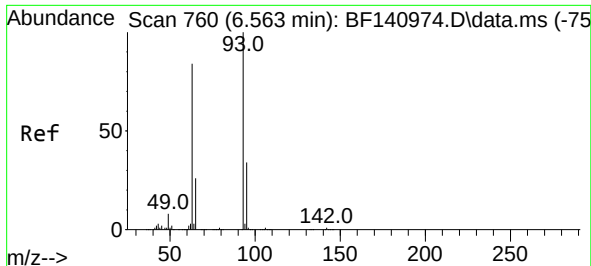


#10  
Phenol  
Concen: 53.790 ng  
RT: 6.463 min Scan# 743  
Delta R.T. -0.000 min  
Lab File: BF141010.D  
Acq: 27 Dec 2024 21:17

Tgt Ion: 94 Resp: 1161728  
Ion Ratio Lower Upper  
94 100  
65 28.4 8.1 48.1  
66 38.9 18.7 58.7



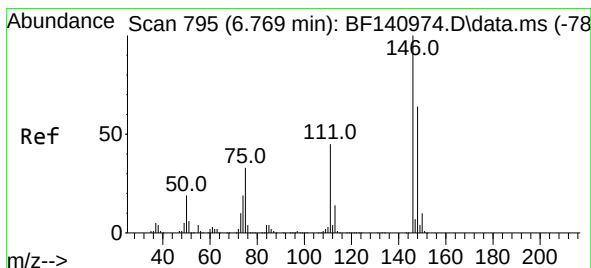
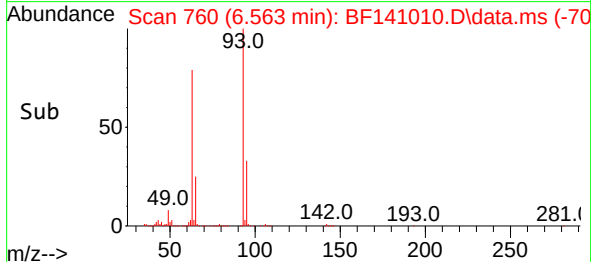
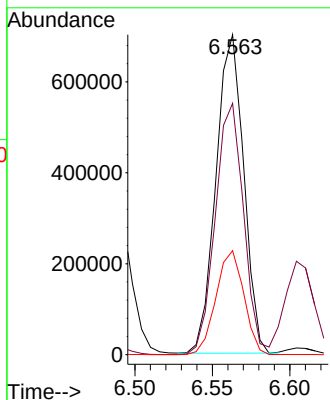
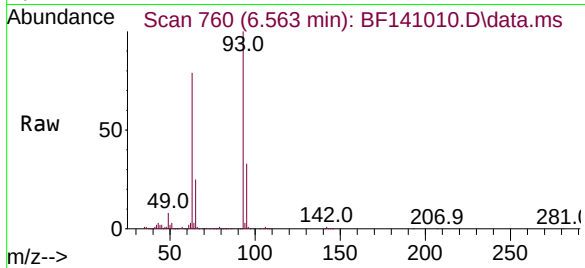




#11  
bis(2-Chloroethyl)ether  
Concen: 49.966 ng  
RT: 6.563 min Scan# 760  
Delta R.T. -0.000 min  
Lab File: BF141010.D  
Acq: 27 Dec 2024 21:17

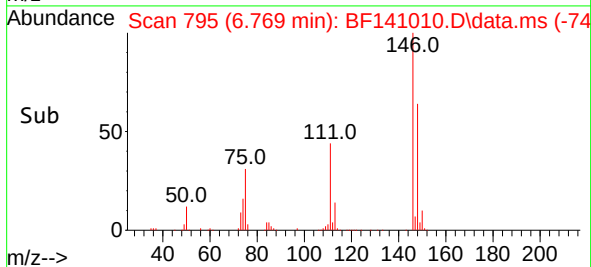
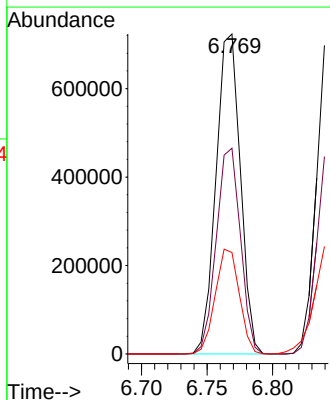
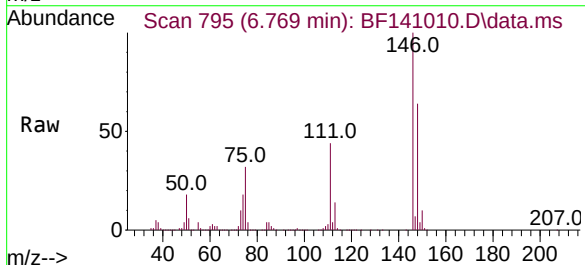
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ210MSD

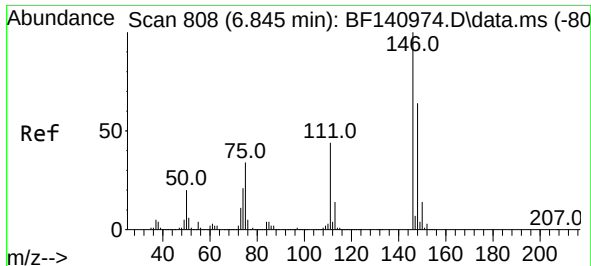
Tgt Ion: 93 Resp: 871334  
Ion Ratio Lower Upper  
93 100  
63 78.6 60.3 100.3  
95 32.5 12.2 52.2



#12  
1,3-Dichlorobenzene  
Concen: 49.508 ng  
RT: 6.769 min Scan# 795  
Delta R.T. -0.000 min  
Lab File: BF141010.D  
Acq: 27 Dec 2024 21:17

Tgt Ion:146 Resp: 933995  
Ion Ratio Lower Upper  
146 100  
148 64.3 51.0 76.4  
75 31.7 26.1 39.1





#13

1,4-Dichlorobenzene

Concen: 49.976 ng

RT: 6.845 min Scan# 808

Delta R.T. -0.000 min

Lab File: BF141010.D

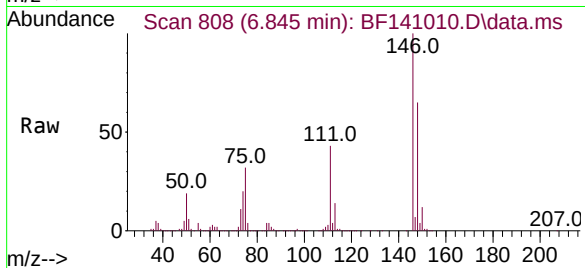
Acq: 27 Dec 2024 21:17

Instrument :

BNA\_F

ClientSampleId :

VNJ210MSD



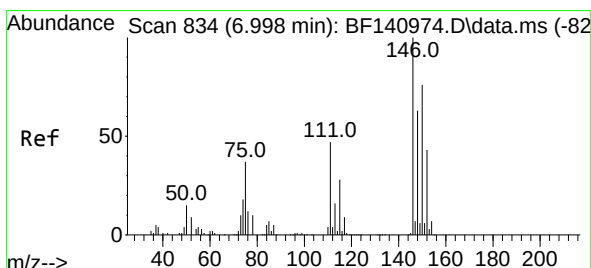
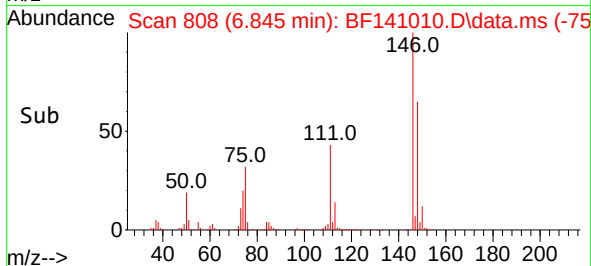
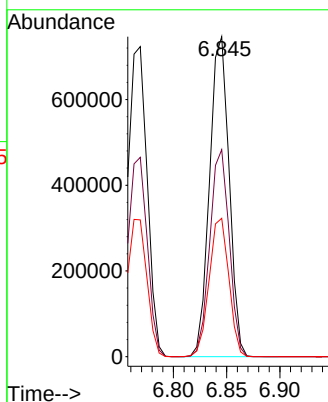
Tgt Ion:146 Resp: 950448

Ion Ratio Lower Upper

146 100

148 64.7 51.3 76.9

111 43.2 35.3 52.9



#14

1,2-Dichlorobenzene

Concen: 51.346 ng

RT: 6.992 min Scan# 833

Delta R.T. -0.006 min

Lab File: BF141010.D

Acq: 27 Dec 2024 21:17

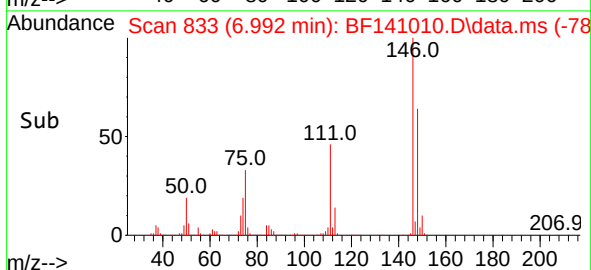
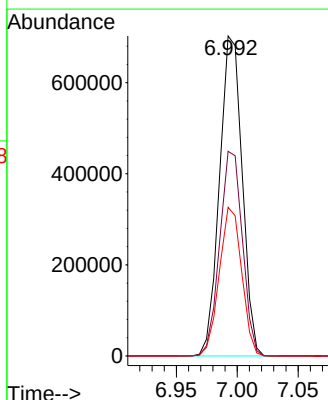
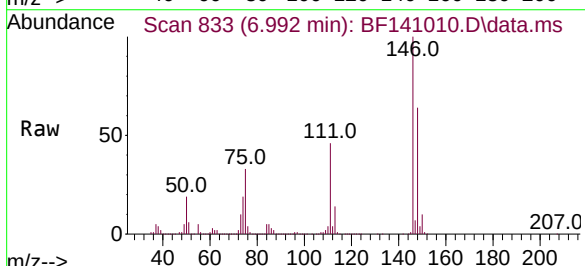
Tgt Ion:146 Resp: 910449

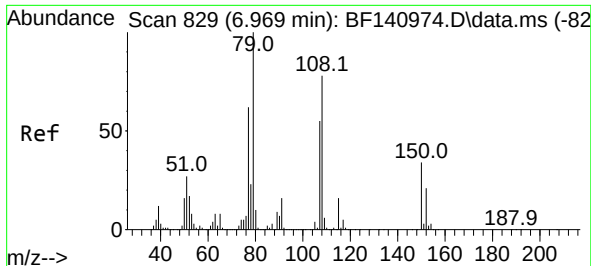
Ion Ratio Lower Upper

146 100

148 64.0 50.6 76.0

111 46.5 37.3 55.9

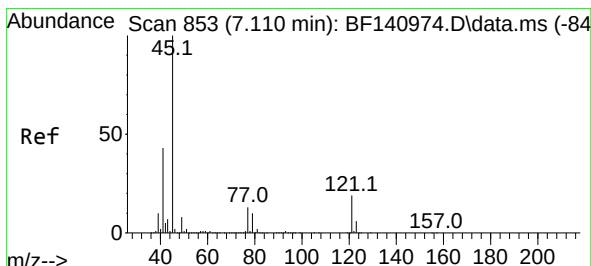
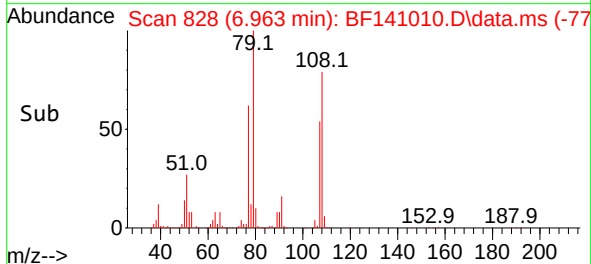
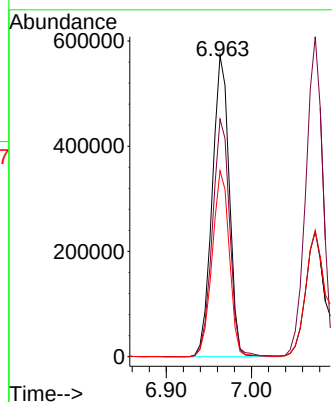
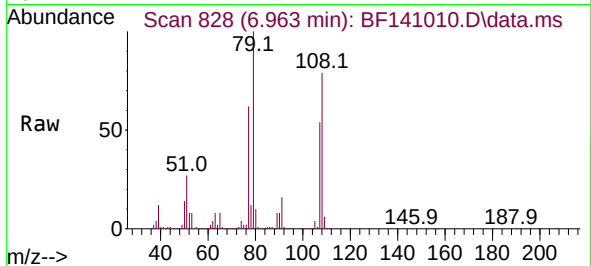




#15  
Benzyl Alcohol  
Concen: 53.100 ng  
RT: 6.963 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF141010.D  
Acq: 27 Dec 2024 21:17

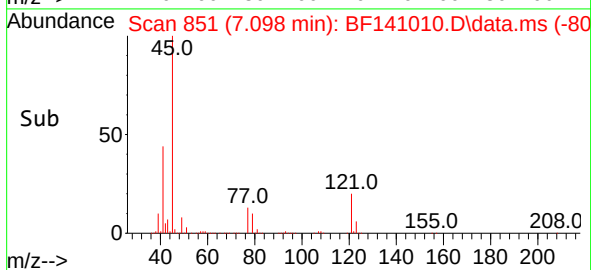
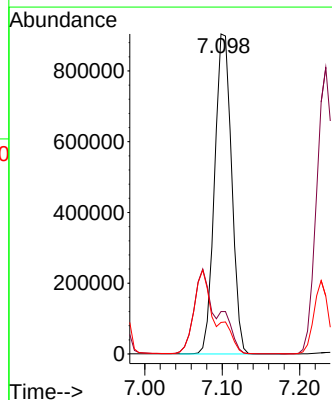
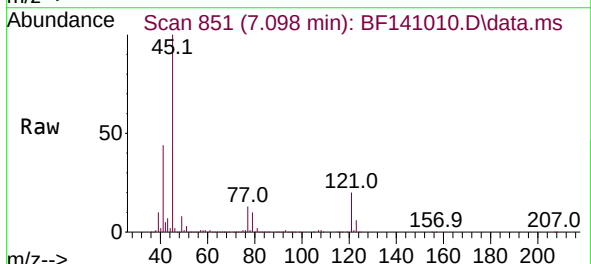
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ210MSD

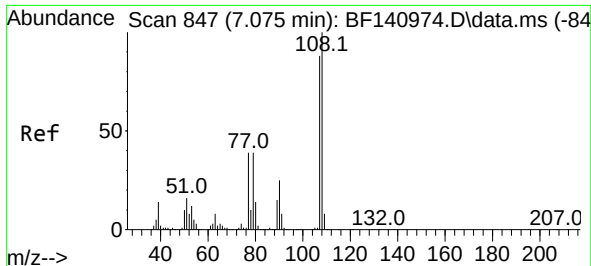
Tgt Ion: 79 Resp: 796995  
Ion Ratio Lower Upper  
79 100  
108 78.9 62.5 93.7  
77 61.8 49.3 73.9



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 52.224 ng  
RT: 7.098 min Scan# 851  
Delta R.T. -0.012 min  
Lab File: BF141010.D  
Acq: 27 Dec 2024 21:17

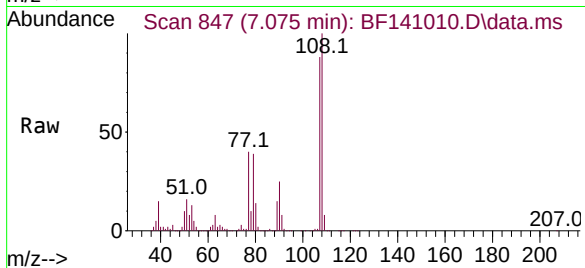
Tgt Ion: 45 Resp: 1377264  
Ion Ratio Lower Upper  
45 100  
77 13.2 0.0 33.1  
79 9.9 0.0 30.1



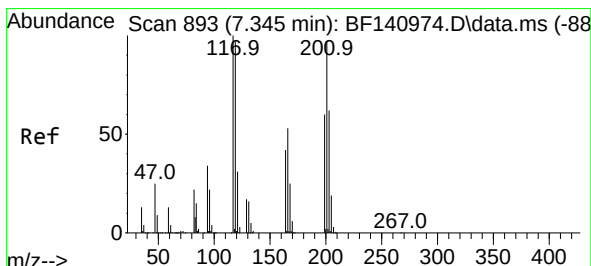
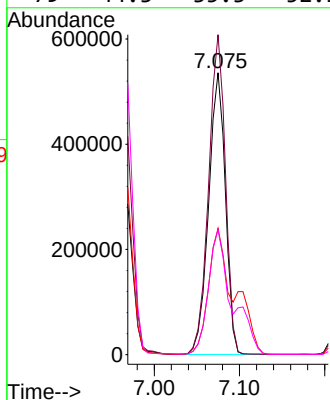
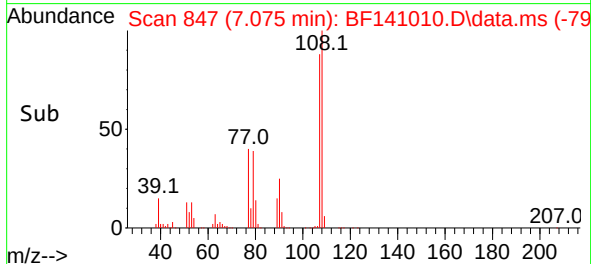


#17  
2-Methylphenol  
Concen: 51.794 ng  
RT: 7.075 min Scan# 84  
Delta R.T. -0.000 min  
Lab File: BF141010.D  
Acq: 27 Dec 2024 21:17

Instrument :  
BNA\_F  
ClientSampleId :  
VNJ210MSD

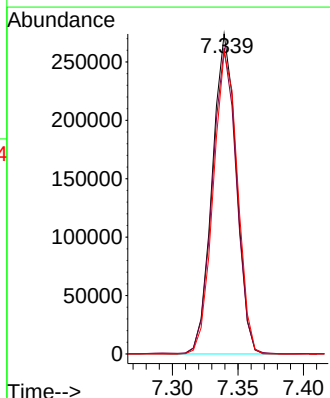
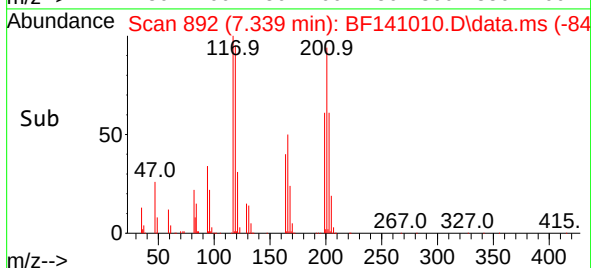
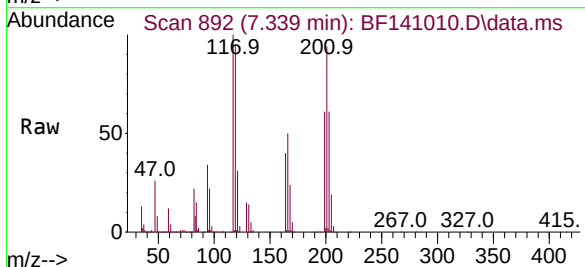


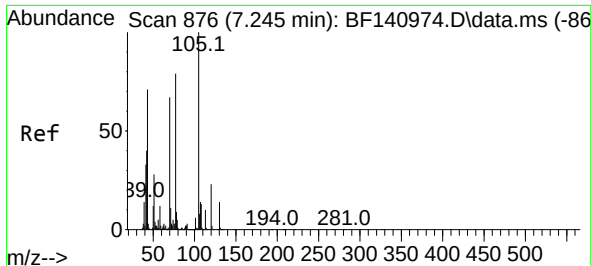
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 735554 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 113.5 | 90.6  | 136.0  |
| 77       | 44.9  | 35.3  | 52.9   |
| 79       | 44.3  | 35.3  | 52.9   |



#18  
Hexachloroethane  
Concen: 51.557 ng  
RT: 7.339 min Scan# 892  
Delta R.T. -0.006 min  
Lab File: BF141010.D  
Acq: 27 Dec 2024 21:17

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 348310 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 95.5  | 77.5  | 116.3  |
| 201      | 94.3  | 77.4  | 116.2  |

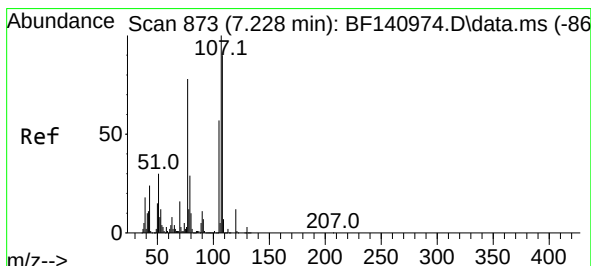
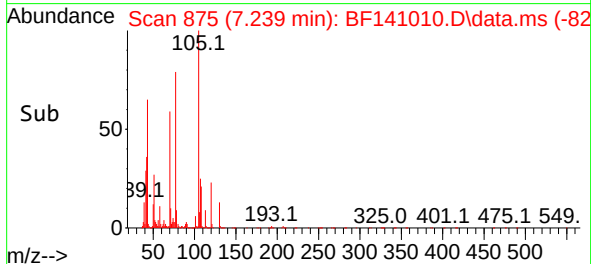
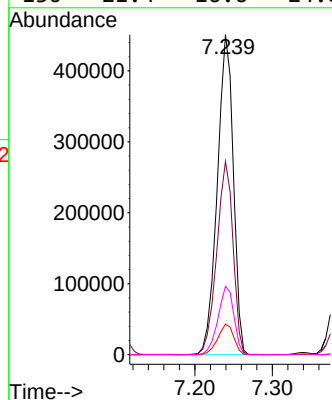
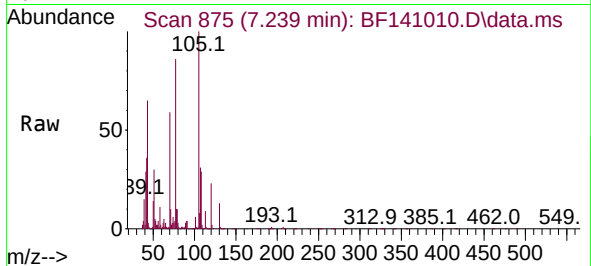




#19  
n-Nitroso-di-n-propylamine  
Concen: 50.665 ng  
RT: 7.239 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF141010.D  
Acq: 27 Dec 2024 21:17

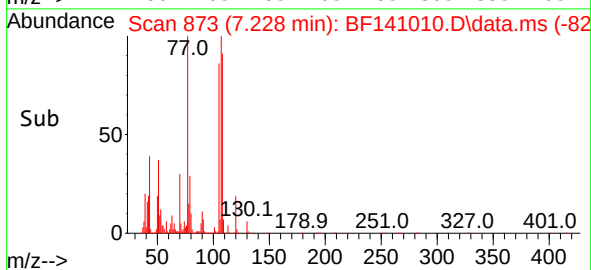
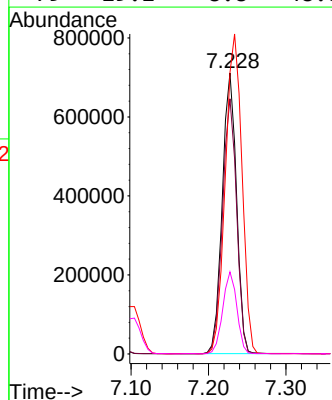
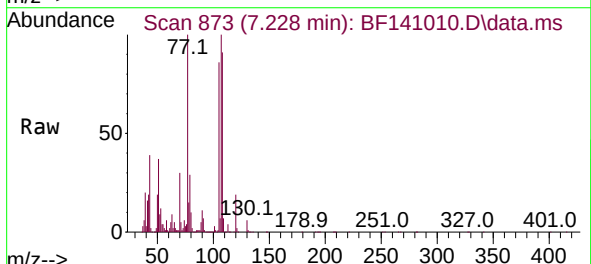
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ210MSD

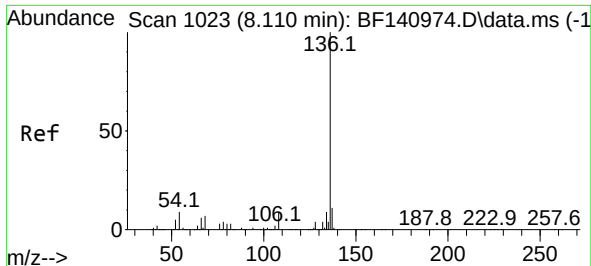
Tgt Ion: 70 Resp: 648308  
Ion Ratio Lower Upper  
70 100  
42 60.4 48.1 72.1  
101 9.6 7.6 11.4  
130 21.4 16.6 24.8



#20  
3+4-Methylphenols  
Concen: 50.641 ng  
RT: 7.228 min Scan# 873  
Delta R.T. -0.000 min  
Lab File: BF141010.D  
Acq: 27 Dec 2024 21:17

Tgt Ion: 107 Resp: 910105  
Ion Ratio Lower Upper  
107 100  
108 90.8 69.6 109.6  
77 100.1 57.6 97.6#  
79 29.2 8.8 48.8



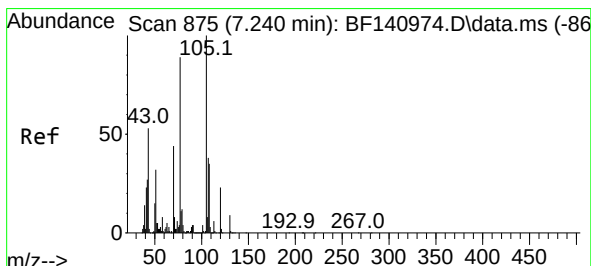
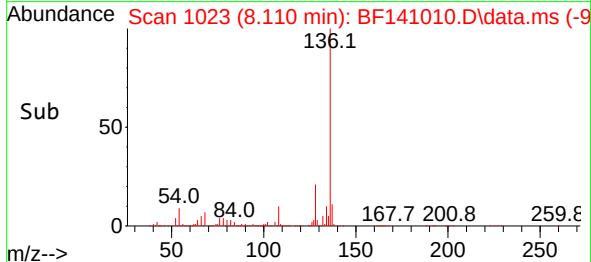
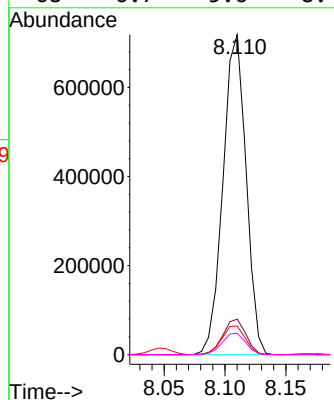
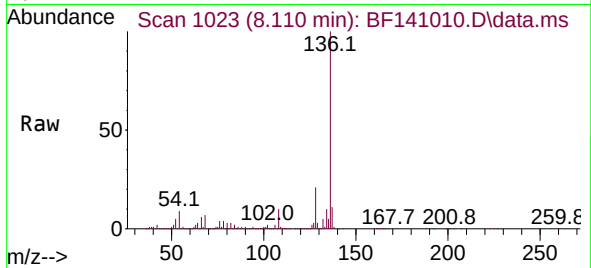


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.110 min Scan# 1023  
Delta R.T. -0.000 min  
Lab File: BF141010.D  
Acq: 27 Dec 2024 21:17

Instrument :  
BNA\_F  
ClientSampleId :  
VNJ210MSD

Tgt Ion:136 Resp: 947790

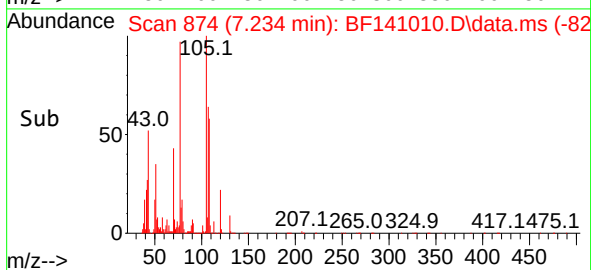
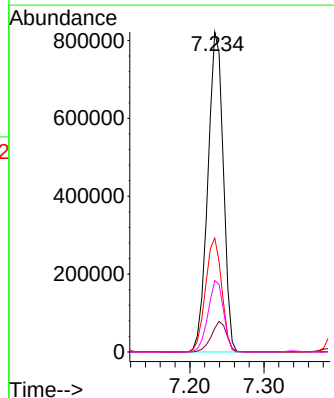
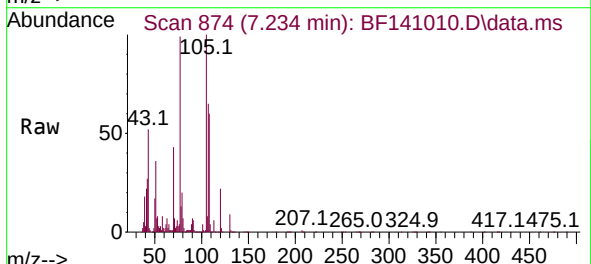
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.1  | 9.0   | 13.4  |
| 54  | 9.0   | 7.6   | 11.4  |
| 68  | 6.7   | 5.6   | 8.4   |

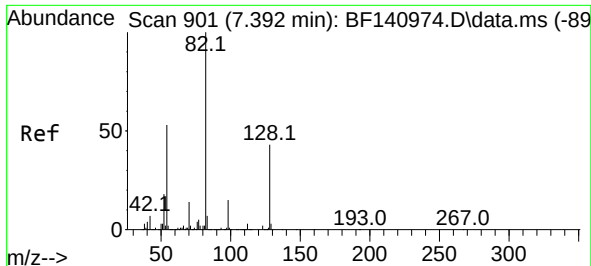


#22  
Acetophenone  
Concen: 51.226 ng  
RT: 7.234 min Scan# 874  
Delta R.T. -0.006 min  
Lab File: BF141010.D  
Acq: 27 Dec 2024 21:17

Tgt Ion:105 Resp: 1191049

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 105 | 100   |       |       |
| 71  | 7.4   | 6.1   | 9.1   |
| 51  | 35.6  | 25.8  | 38.6  |
| 120 | 22.3  | 18.1  | 27.1  |





#23

Nitrobenzene-d5

Concen: 91.702 ng

RT: 7.387 min Scan# 900

Delta R.T. -0.006 min

Lab File: BF141010.D

Acq: 27 Dec 2024 21:17

Instrument :

BNA\_F

ClientSampleId :

VNJ210MSD

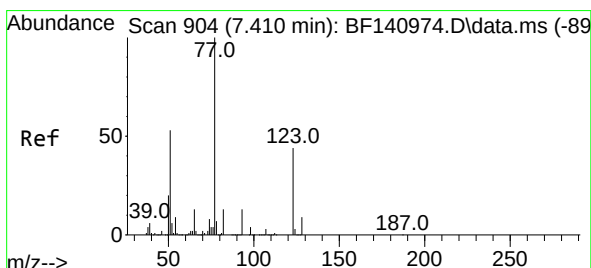
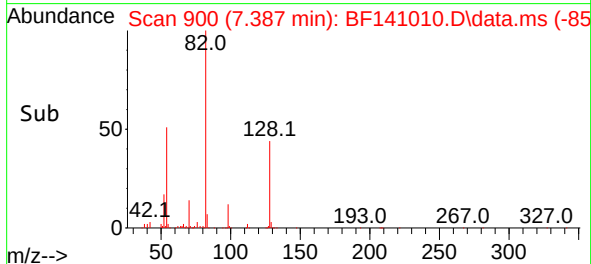
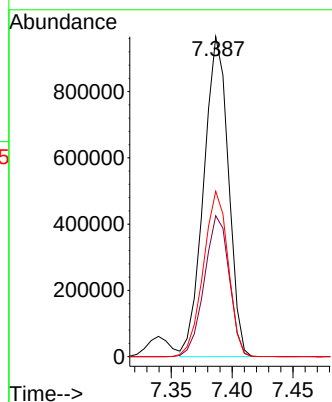
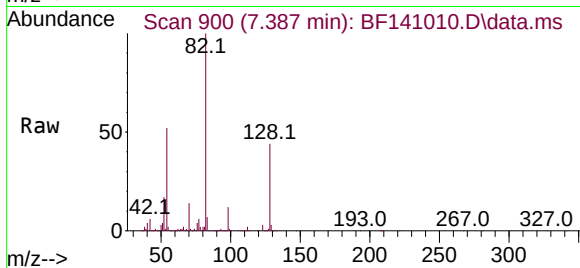
Tgt Ion: 82 Resp: 1358509

Ion Ratio Lower Upper

82 100

128 44.1 34.4 51.6

54 51.7 42.4 63.6



#24

Nitrobenzene

Concen: 57.155 ng

RT: 7.404 min Scan# 903

Delta R.T. -0.006 min

Lab File: BF141010.D

Acq: 27 Dec 2024 21:17

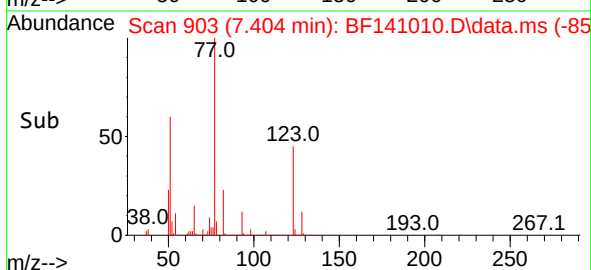
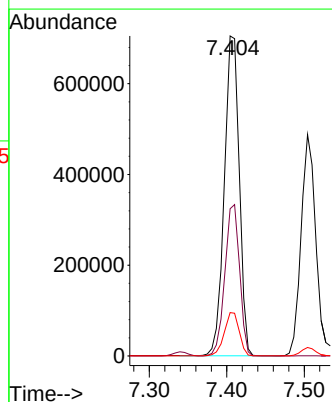
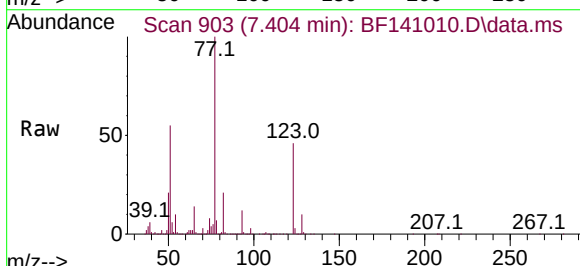
Tgt Ion: 77 Resp: 946113

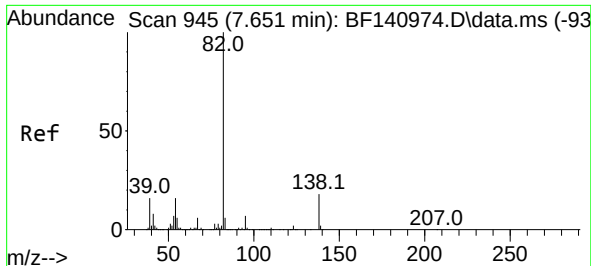
Ion Ratio Lower Upper

77 100

123 46.0 35.4 53.2

65 13.6 10.7 16.1

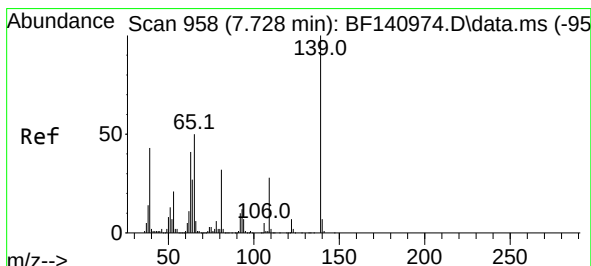
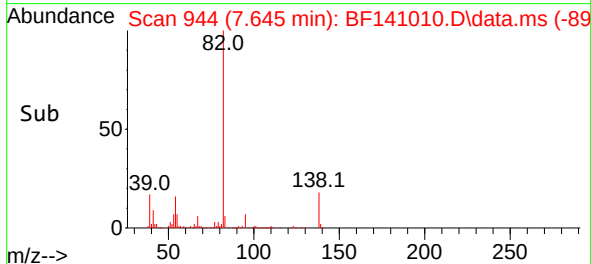
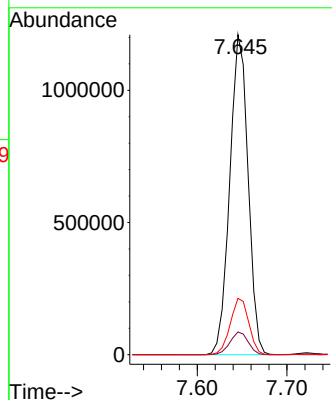
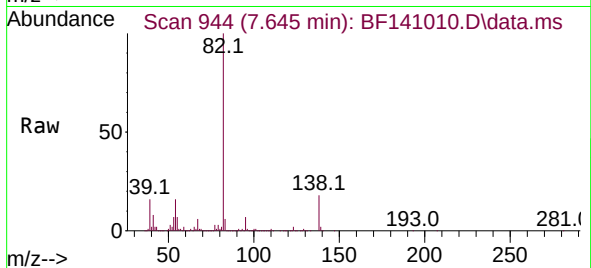




#25  
Isophorone  
Concen: 53.128 ng  
RT: 7.645 min Scan# 944  
Delta R.T. -0.006 min  
Lab File: BF141010.D  
Acq: 27 Dec 2024 21:17

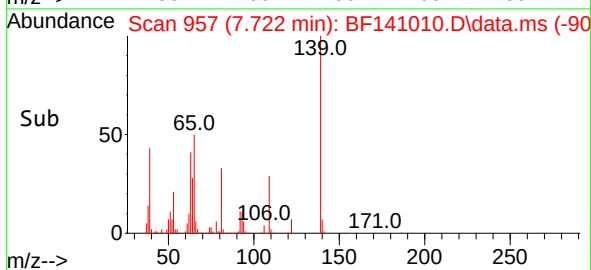
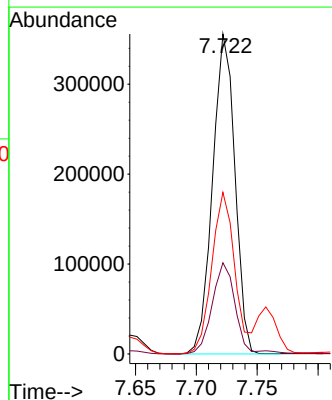
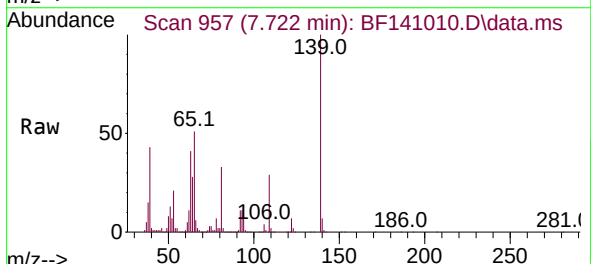
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ210MSD

Tgt Ion: 82 Resp: 1712669  
Ion Ratio Lower Upper  
82 100  
95 7.1 5.6 8.4  
138 17.6 14.6 21.8

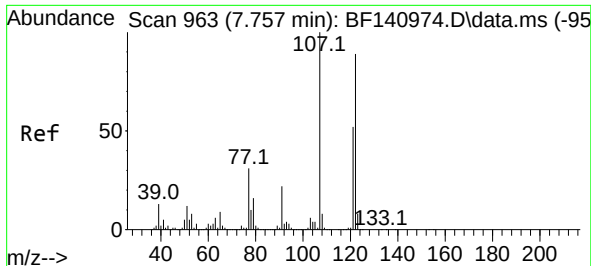


#26  
2-Nitrophenol  
Concen: 64.889 ng  
RT: 7.722 min Scan# 957  
Delta R.T. -0.006 min  
Lab File: BF141010.D  
Acq: 27 Dec 2024 21:17

Tgt Ion:139 Resp: 454421  
Ion Ratio Lower Upper  
139 100  
109 28.5 22.2 33.4  
65 50.5 40.2 60.4



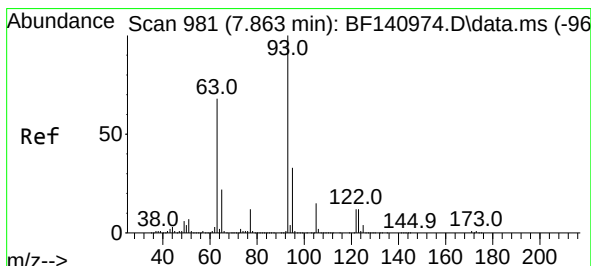
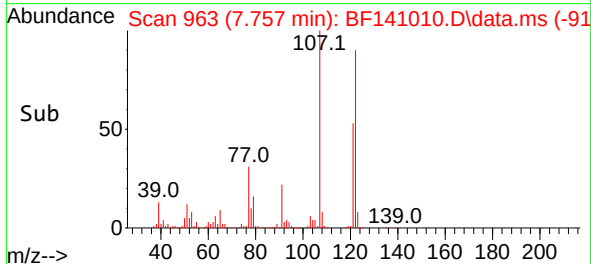
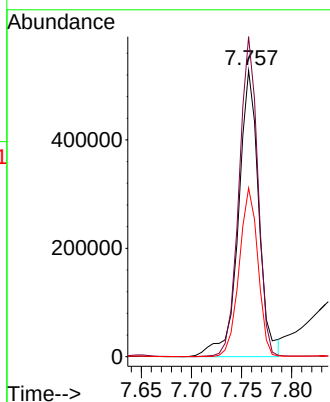
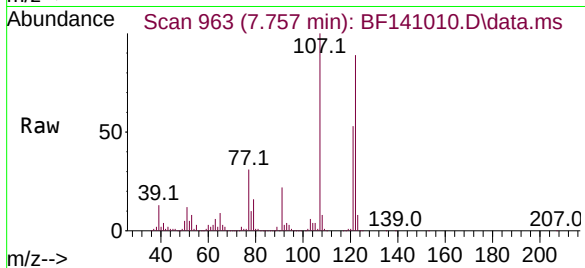




#27  
2,4-Dimethylphenol  
Concen: 63.180 ng  
RT: 7.757 min Scan# 90  
Delta R.T. -0.000 min  
Lab File: BF141010.D  
Acq: 27 Dec 2024 21:17

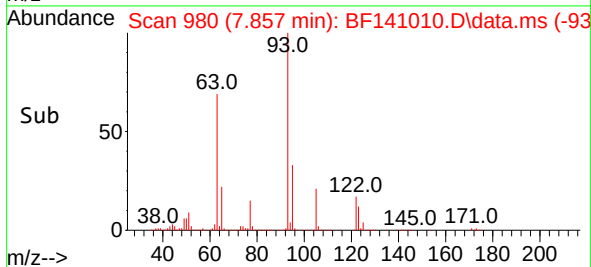
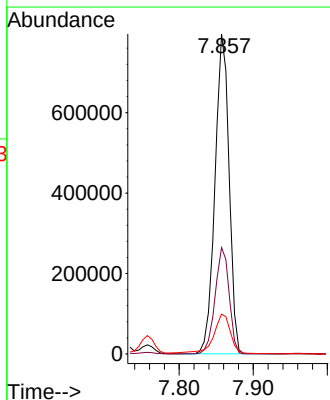
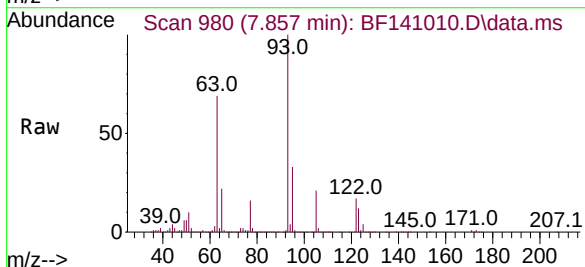
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ210MSD

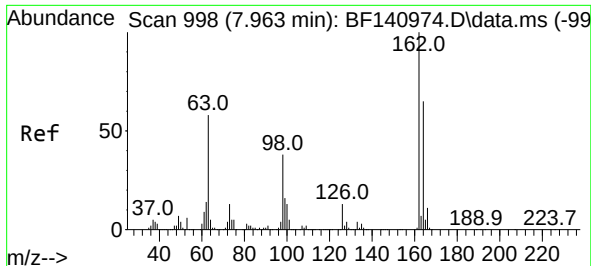
Tgt Ion:122 Resp: 744356  
Ion Ratio Lower Upper  
122 100  
107 111.8 89.4 134.2  
121 58.9 46.7 70.1



#28  
bis(2-Chloroethoxy)methane  
Concen: 51.357 ng  
RT: 7.857 min Scan# 980  
Delta R.T. -0.006 min  
Lab File: BF141010.D  
Acq: 27 Dec 2024 21:17

Tgt Ion: 93 Resp: 1048948  
Ion Ratio Lower Upper  
93 100  
95 33.3 26.2 39.4  
123 12.5 9.9 14.9

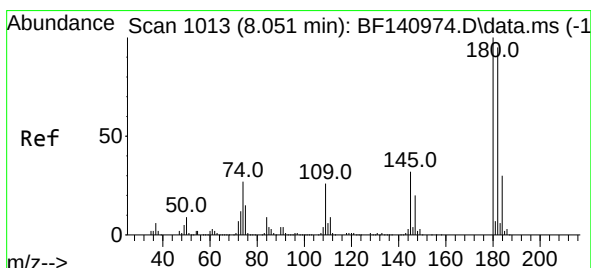
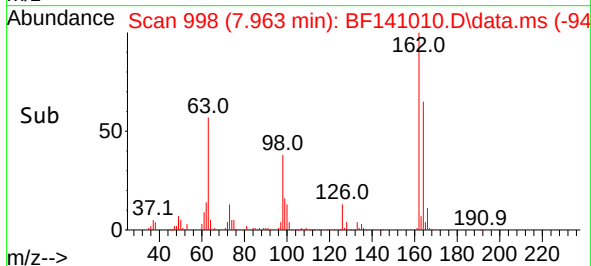
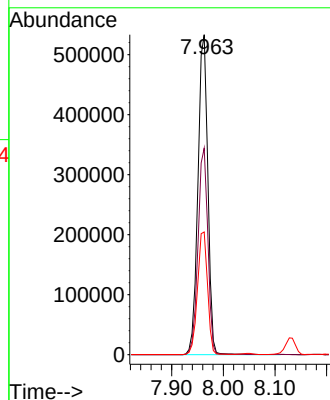
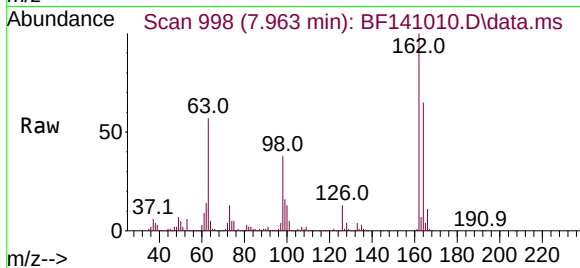




#29  
2,4-Dichlorophenol  
Concen: 53.021 ng  
RT: 7.963 min Scan# 998  
Delta R.T. -0.000 min  
Lab File: BF141010.D  
Acq: 27 Dec 2024 21:17

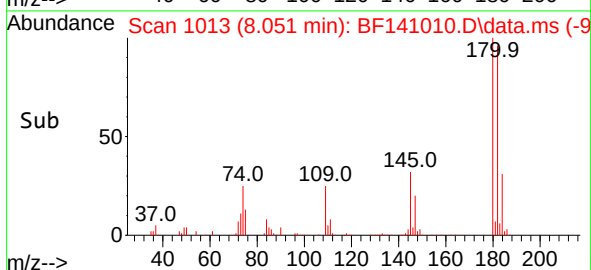
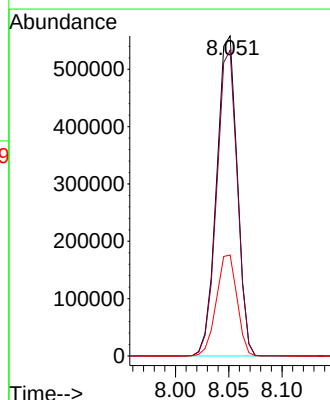
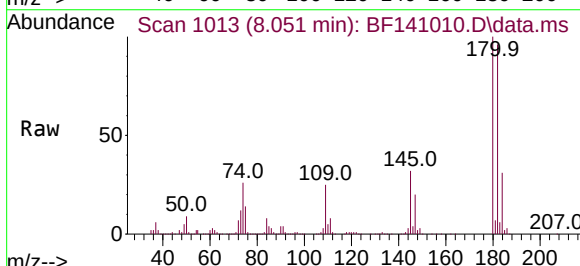
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ210MSD

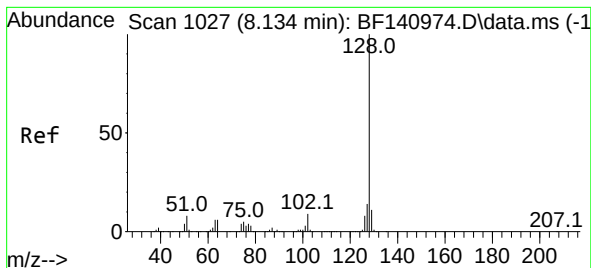
Tgt Ion:162 Resp: 708461  
Ion Ratio Lower Upper  
162 100  
164 64.6 44.8 84.8  
98 38.4 18.6 58.6



#30  
1,2,4-Trichlorobenzene  
Concen: 49.500 ng  
RT: 8.051 min Scan# 1013  
Delta R.T. -0.000 min  
Lab File: BF141010.D  
Acq: 27 Dec 2024 21:17

Tgt Ion:180 Resp: 748623  
Ion Ratio Lower Upper  
180 100  
182 95.6 76.2 114.4  
145 31.5 25.4 38.2





#31

Naphthalene

Concen: 50.364 ng

RT: 8.128 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141010.D

Acq: 27 Dec 2024 21:17

Instrument :

BNA\_F

ClientSampleId :

VNJ210MSD

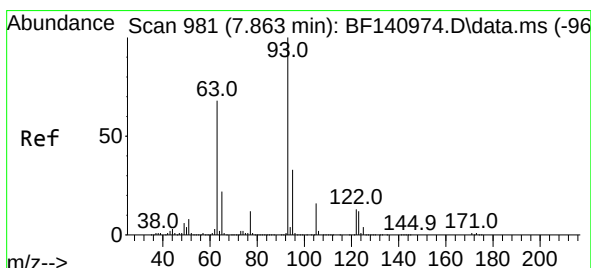
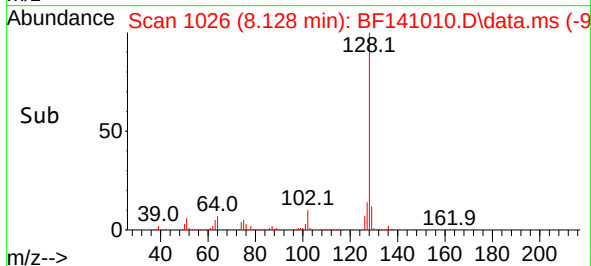
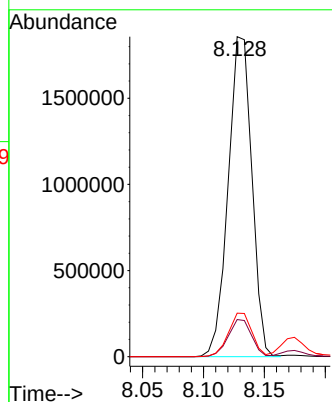
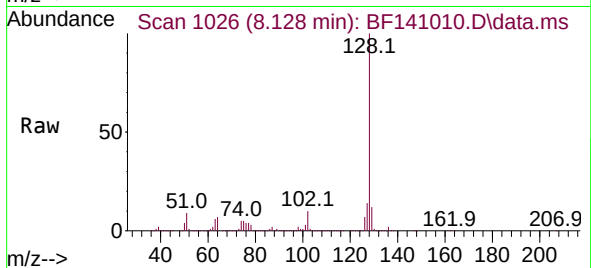
Tgt Ion:128 Resp: 2515301

Ion Ratio Lower Upper

128 100

129 11.6 9.2 13.8

127 13.6 11.0 16.4



#32

Benzoic acid

Concen: 55.934 ng

RT: 7.863 min Scan# 981

Delta R.T. -0.000 min

Lab File: BF141010.D

Acq: 27 Dec 2024 21:17

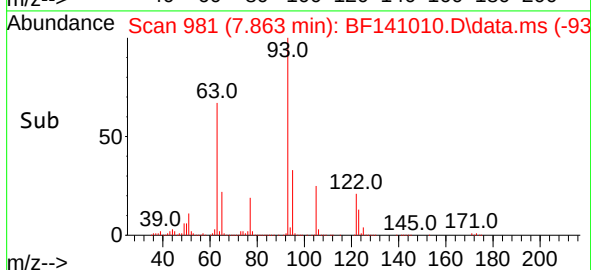
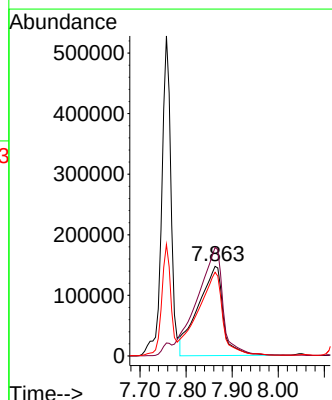
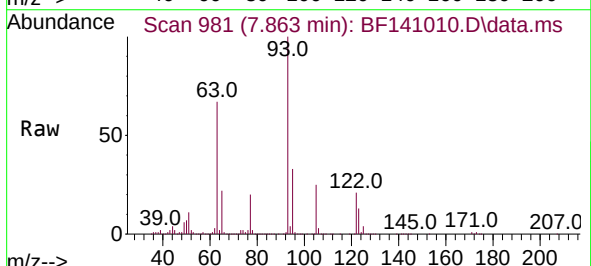
Tgt Ion:122 Resp: 556997

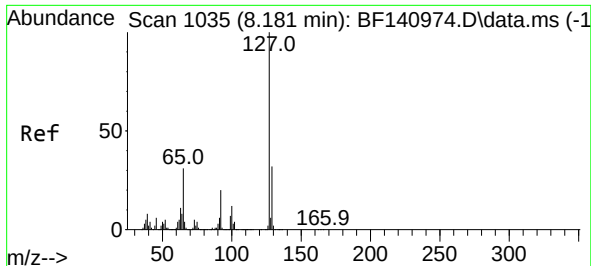
Ion Ratio Lower Upper

122 100

105 120.9 105.4 145.4

77 93.4 76.4 116.4

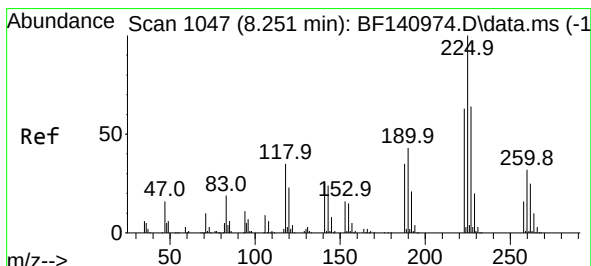
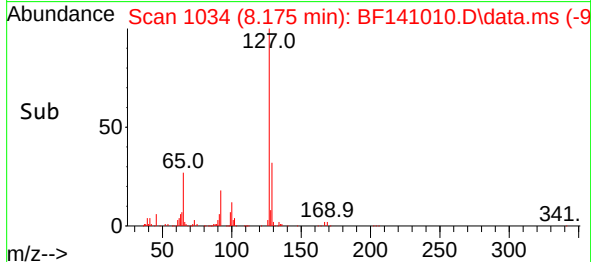
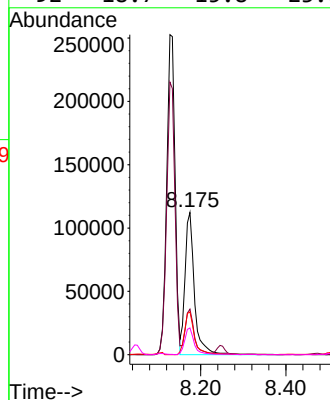
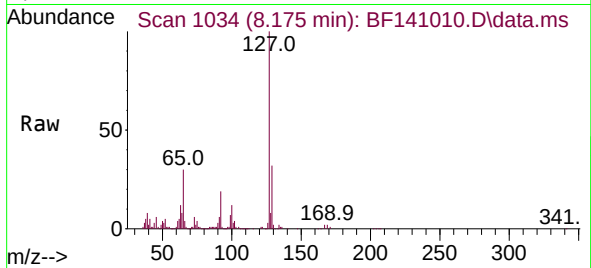




#33  
4-Chloroaniline  
Concen: 9.600 ng  
RT: 8.175 min Scan# 1034  
Delta R.T. -0.006 min  
Lab File: BF141010.D  
Acq: 27 Dec 2024 21:17

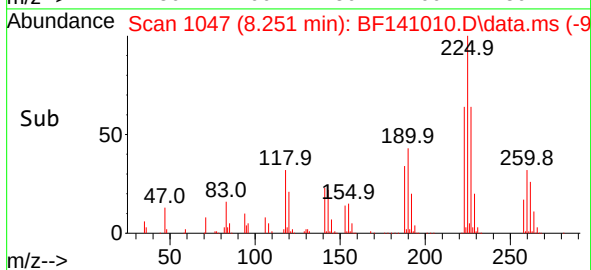
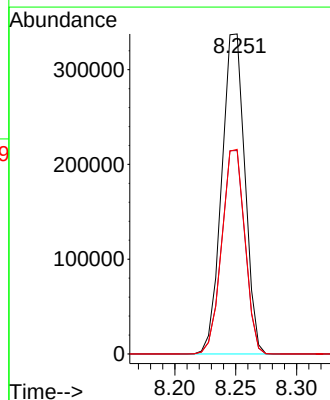
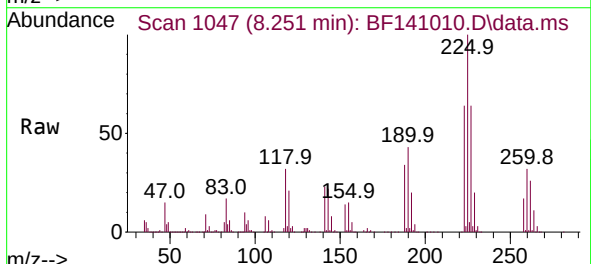
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ210MSD

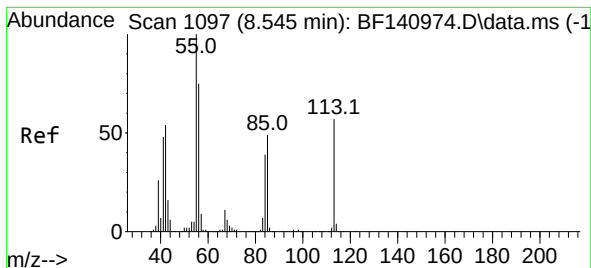
Tgt Ion:127 Resp: 173458  
Ion Ratio Lower Upper  
127 100  
129 32.0 26.1 39.1  
65 30.2 24.6 37.0  
92 18.7 15.8 23.6



#34  
Hexachlorobutadiene  
Concen: 50.133 ng  
RT: 8.251 min Scan# 1047  
Delta R.T. -0.000 min  
Lab File: BF141010.D  
Acq: 27 Dec 2024 21:17

Tgt Ion:225 Resp: 446981  
Ion Ratio Lower Upper  
225 100  
223 63.6 50.3 75.5  
227 63.9 50.8 76.2





#35

Caprolactam

Concen: 49.389 ng

RT: 8.545 min Scan# 1097

Delta R.T. -0.000 min

Lab File: BF141010.D

Acq: 27 Dec 2024 21:17

Instrument :

BNA\_F

ClientSampleId :

VNJ210MSD

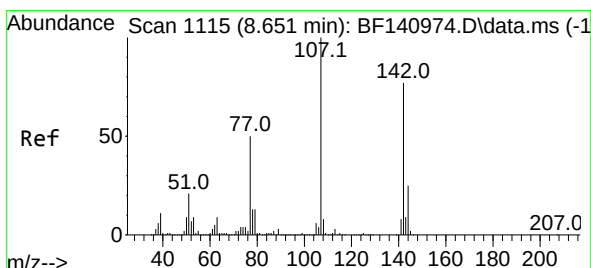
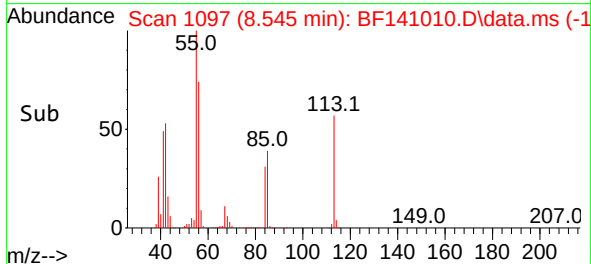
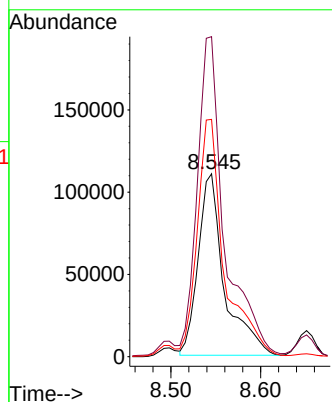
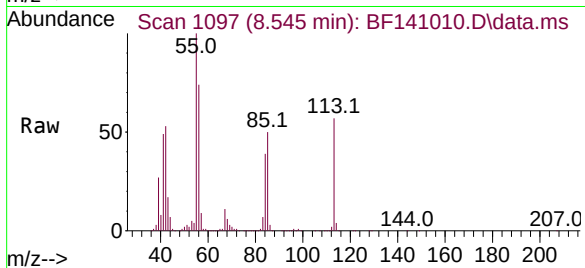
Tgt Ion:113 Resp: 224349

Ion Ratio Lower Upper

113 100

55 175.0 156.6 196.6

56 129.7 111.7 151.7



#36

4-Chloro-3-methylphenol

Concen: 51.116 ng

RT: 8.651 min Scan# 1115

Delta R.T. -0.000 min

Lab File: BF141010.D

Acq: 27 Dec 2024 21:17

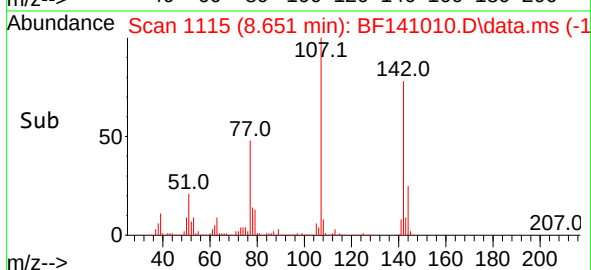
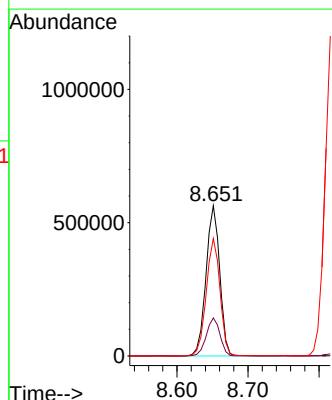
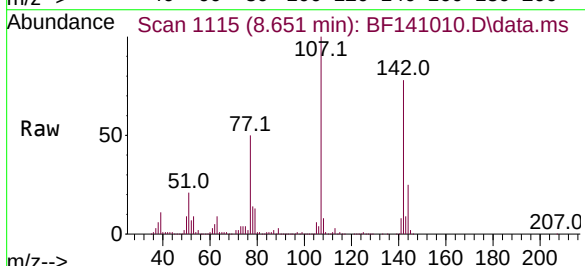
Tgt Ion:107 Resp: 758524

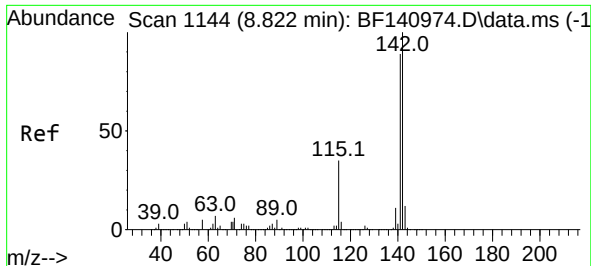
Ion Ratio Lower Upper

107 100

144 25.4 19.9 29.9

142 78.2 61.8 92.8

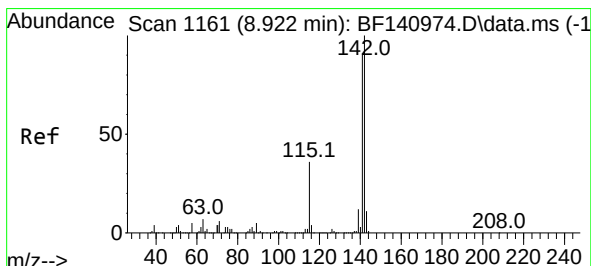
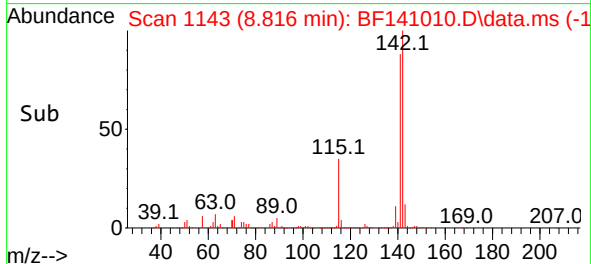
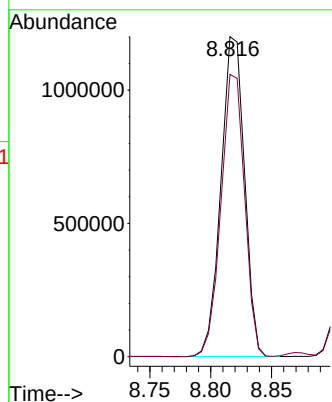
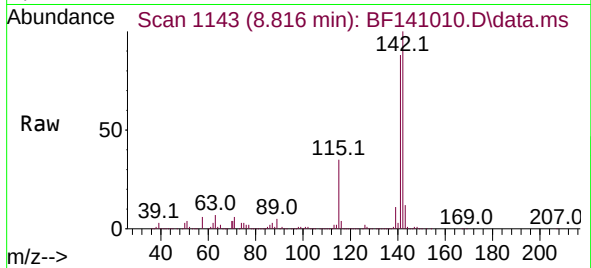




#37  
2-Methylnaphthalene  
Concen: 50.683 ng  
RT: 8.816 min Scan# 1143  
Delta R.T. -0.006 min  
Lab File: BF141010.D  
Acq: 27 Dec 2024 21:17

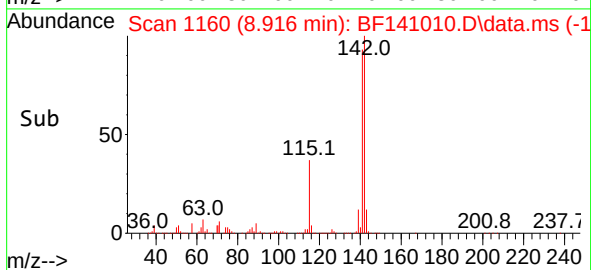
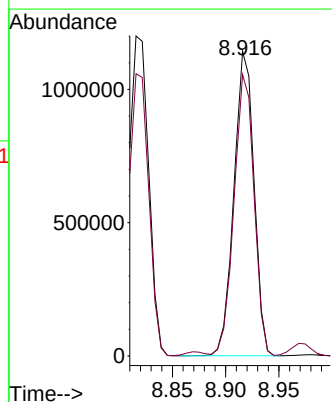
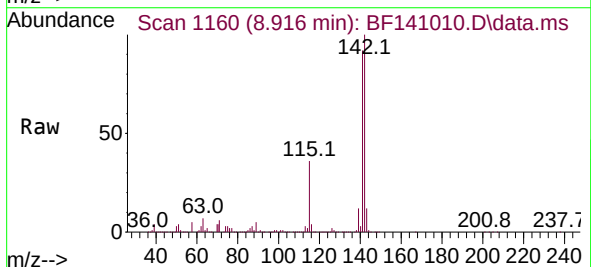
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ210MSD

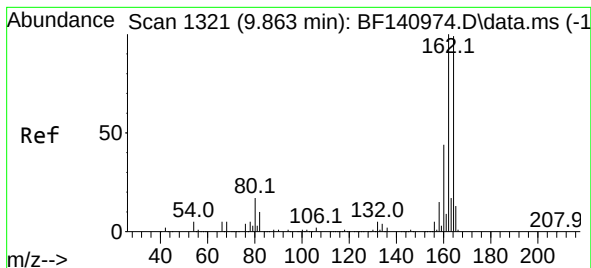
Tgt Ion:142 Resp: 1619323  
Ion Ratio Lower Upper  
142 100  
141 88.2 71.1 106.7



#38  
1-Methylnaphthalene  
Concen: 47.830 ng  
RT: 8.916 min Scan# 1160  
Delta R.T. -0.006 min  
Lab File: BF141010.D  
Acq: 27 Dec 2024 21:17

Tgt Ion:142 Resp: 1501869  
Ion Ratio Lower Upper  
142 100  
141 92.3 72.7 109.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.857 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141010.D

Acq: 27 Dec 2024 21:17

Instrument :

BNA\_F

ClientSampleId :

VNJ210MSD

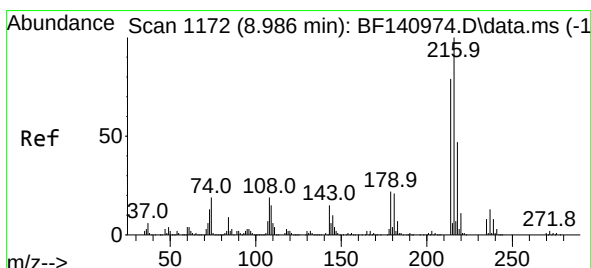
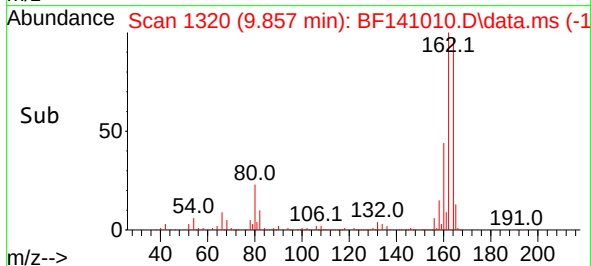
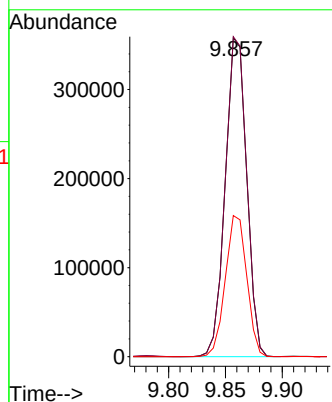
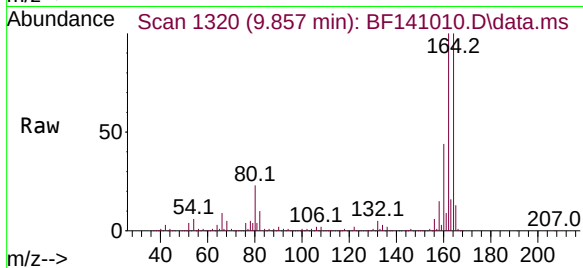
Tgt Ion:164 Resp: 470653

Ion Ratio Lower Upper

164 100

162 100.3 80.6 120.8

160 44.3 35.7 53.5



#40

1,2,4,5-Tetrachlorobenzene

Concen: 54.926 ng

RT: 8.981 min Scan# 1171

Delta R.T. -0.006 min

Lab File: BF141010.D

Acq: 27 Dec 2024 21:17

Tgt Ion:216 Resp: 711189

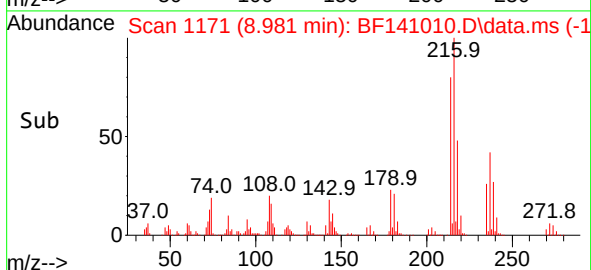
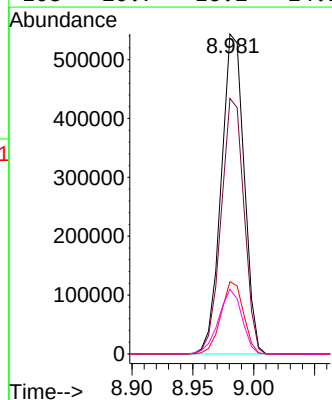
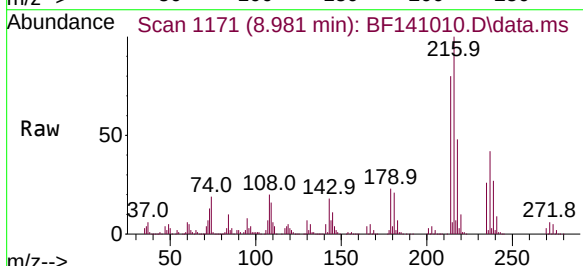
Ion Ratio Lower Upper

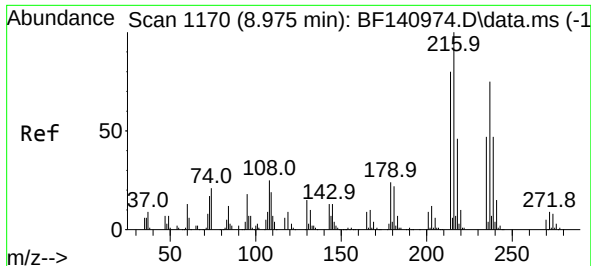
216 100

214 79.6 63.0 94.6

179 22.2 17.9 26.9

108 20.7 16.2 24.2

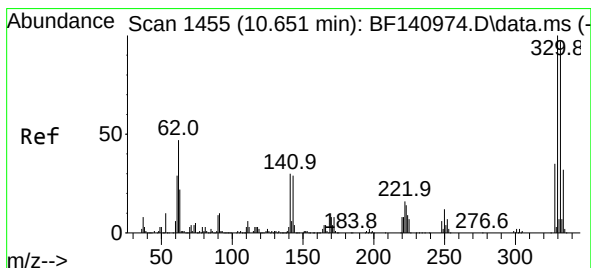
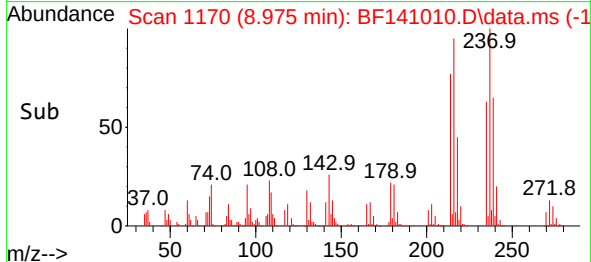
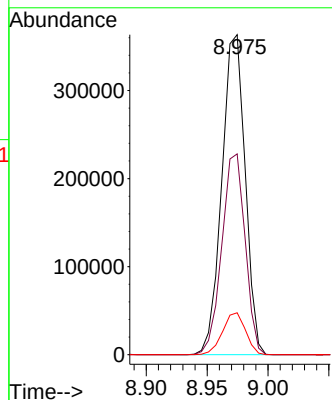
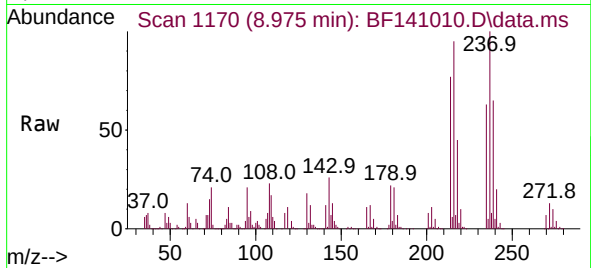




#41  
Hexachlorocyclopentadiene  
Concen: 113.023 ng  
RT: 8.975 min Scan# 1170  
Delta R.T. -0.000 min  
Lab File: BF141010.D  
Acq: 27 Dec 2024 21:17

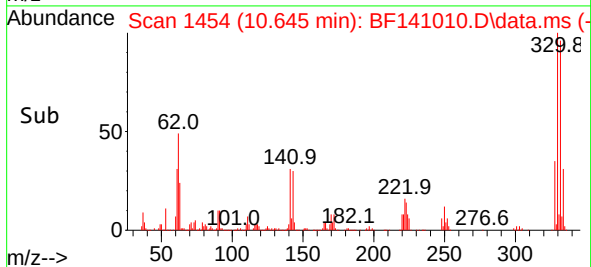
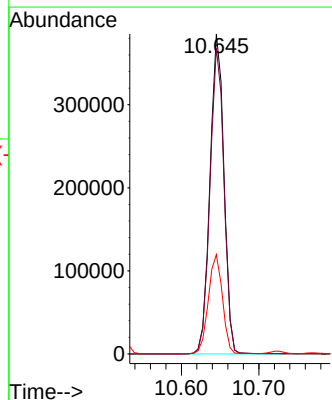
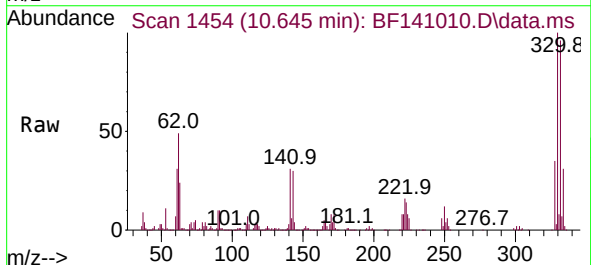
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ210MSD

Tgt Ion:237 Resp: 484969  
Ion Ratio Lower Upper  
237 100  
235 62.7 43.4 83.4  
272 13.1 0.0 32.6

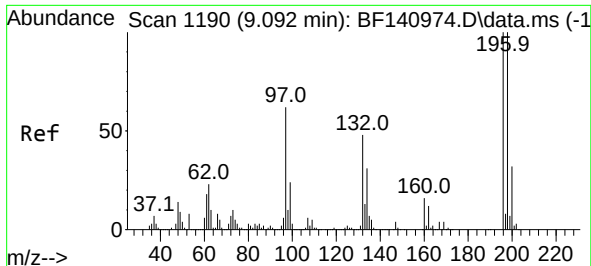


#42  
2,4,6-Tribromophenol  
Concen: 105.280 ng  
RT: 10.645 min Scan# 1454  
Delta R.T. -0.006 min  
Lab File: BF141010.D  
Acq: 27 Dec 2024 21:17

Tgt Ion:330 Resp: 481486  
Ion Ratio Lower Upper  
330 100  
332 95.7 78.0 117.0  
141 31.3 26.4 39.6



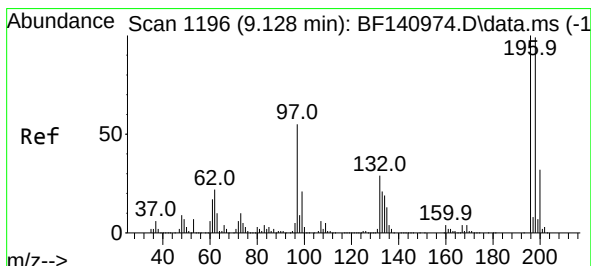
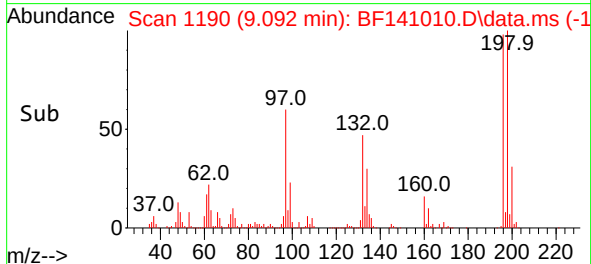
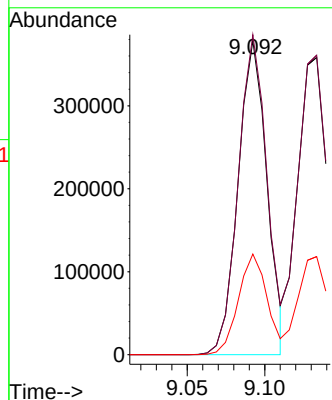
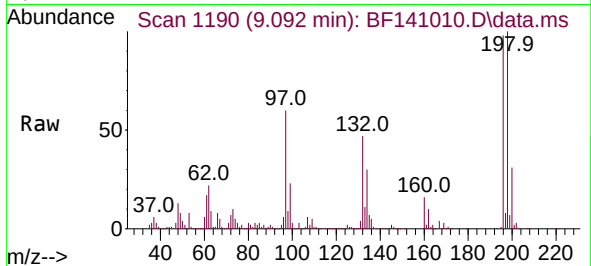




#43  
2,4,6-Trichlorophenol  
Concen: 56.752 ng  
RT: 9.092 min Scan# 1190  
Delta R.T. -0.000 min  
Lab File: BF141010.D  
Acq: 27 Dec 2024 21:17

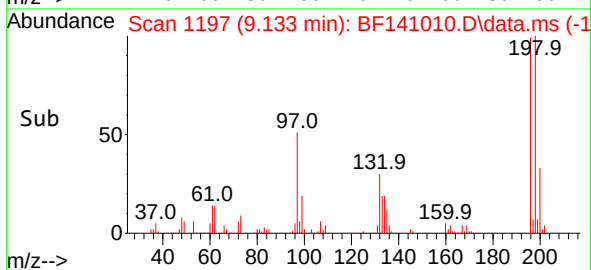
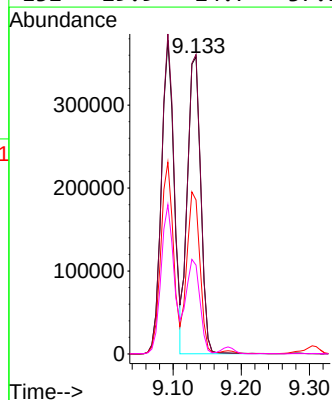
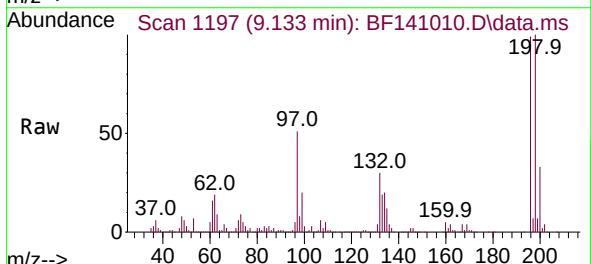
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ210MSD

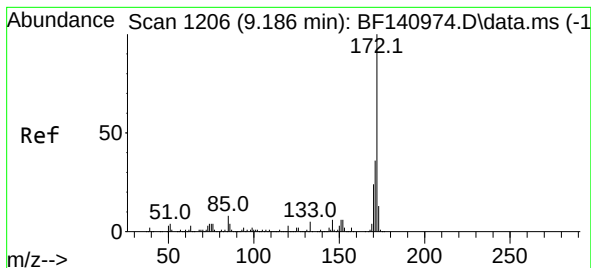
Tgt Ion:196 Resp: 489073  
Ion Ratio Lower Upper  
196 100  
198 102.0 80.2 120.4  
200 32.1 25.8 38.6



#44  
2,4,5-Trichlorophenol  
Concen: 54.681 ng  
RT: 9.133 min Scan# 1197  
Delta R.T. 0.006 min  
Lab File: BF141010.D  
Acq: 27 Dec 2024 21:17

Tgt Ion:196 Resp: 482152  
Ion Ratio Lower Upper  
196 100  
198 100.7 79.9 119.9  
97 51.8 44.3 66.5  
132 29.9 24.7 37.1





#45

2-Fluorobiphenyl

Concen: 72.824 ng

RT: 9.181 min Scan# 1206

Delta R.T. -0.006 min

Lab File: BF141010.D

Acq: 27 Dec 2024 21:17

Instrument :

BNA\_F

ClientSampleId :

VNJ210MSD

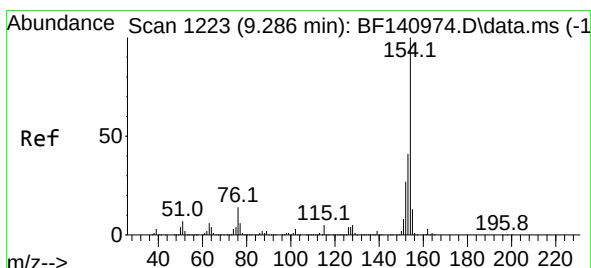
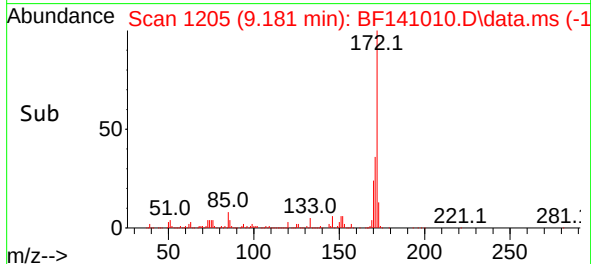
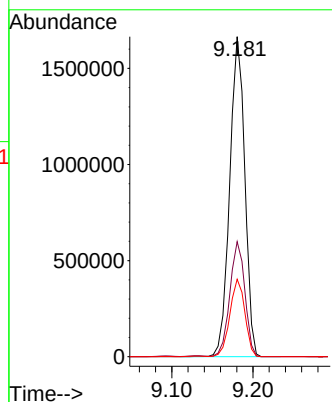
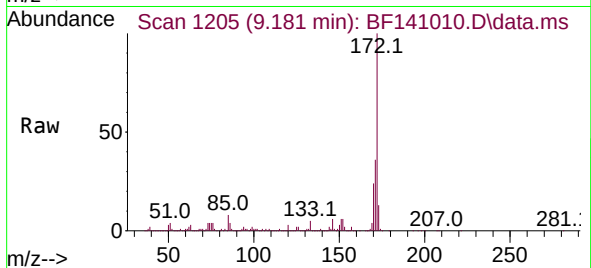
Tgt Ion:172 Resp: 2151269

Ion Ratio Lower Upper

172 100

171 35.9 29.0 43.4

170 24.2 19.6 29.4



#46

1,1'-Biphenyl

Concen: 53.437 ng

RT: 9.281 min Scan# 1222

Delta R.T. -0.005 min

Lab File: BF141010.D

Acq: 27 Dec 2024 21:17

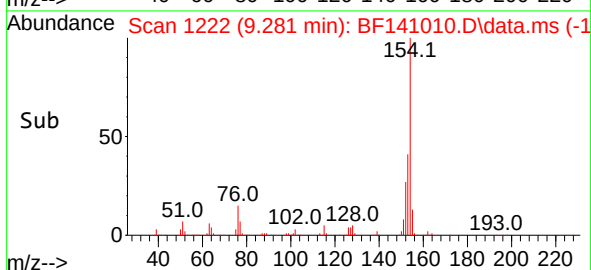
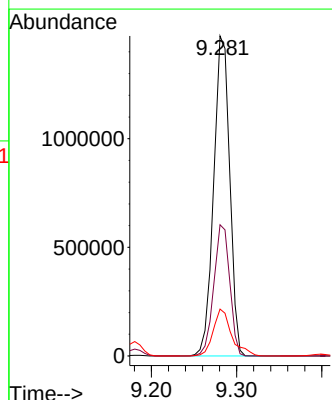
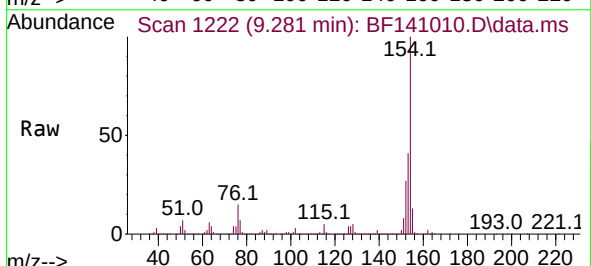
Tgt Ion:154 Resp: 1925737

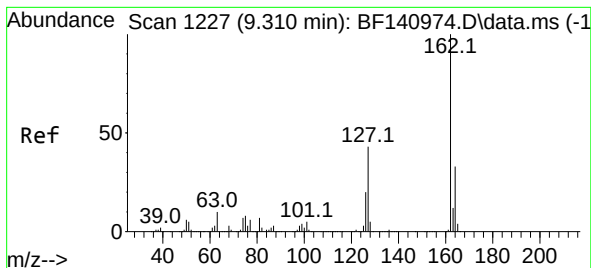
Ion Ratio Lower Upper

154 100

153 41.0 20.9 60.9

76 14.7 0.0 34.0





#47

2-Chloronaphthalene

Concen: 51.796 ng

RT: 9.304 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141010.D

Acq: 27 Dec 2024 21:17

Instrument :

BNA\_F

ClientSampleId :

VNJ210MSD

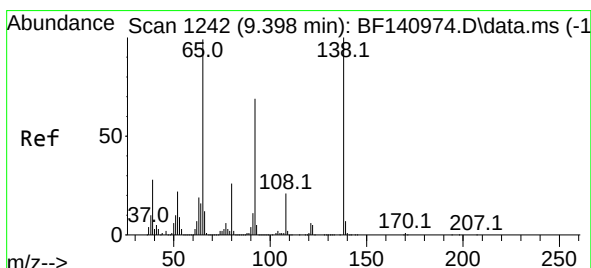
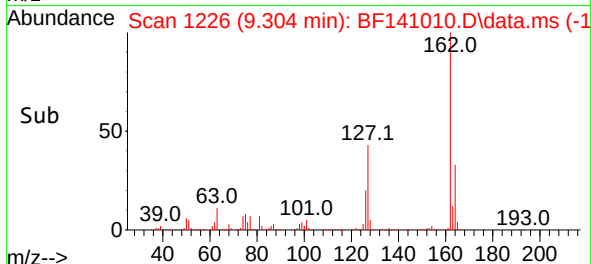
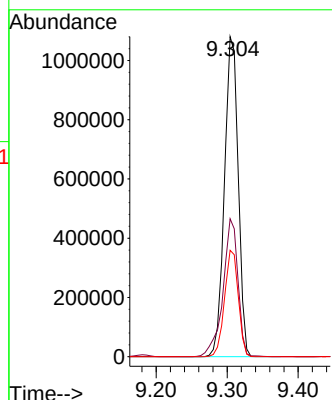
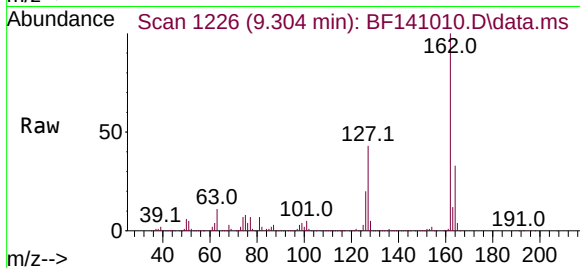
Tgt Ion:162 Resp: 1447674

Ion Ratio Lower Upper

162 100

127 43.1 34.2 51.4

164 33.3 26.6 40.0



#48

2-Nitroaniline

Concen: 60.722 ng

RT: 9.398 min Scan# 1242

Delta R.T. 0.000 min

Lab File: BF141010.D

Acq: 27 Dec 2024 21:17

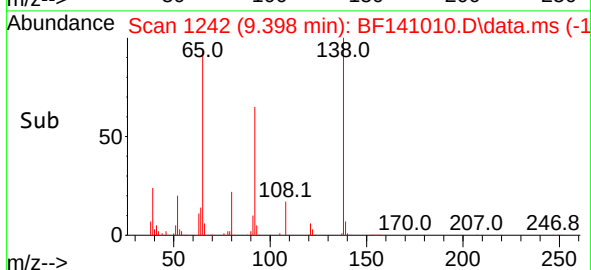
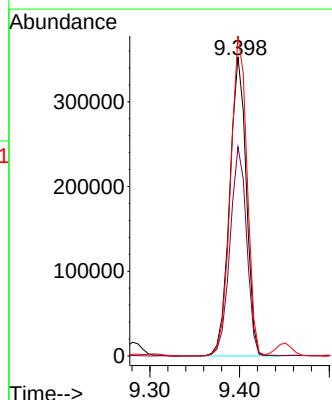
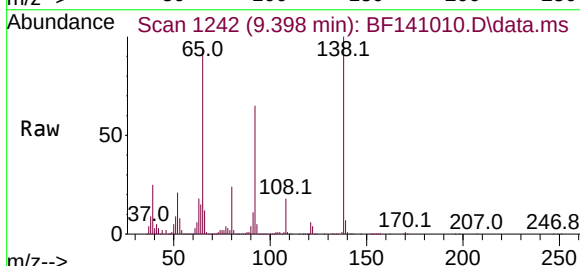
Tgt Ion: 65 Resp: 453950

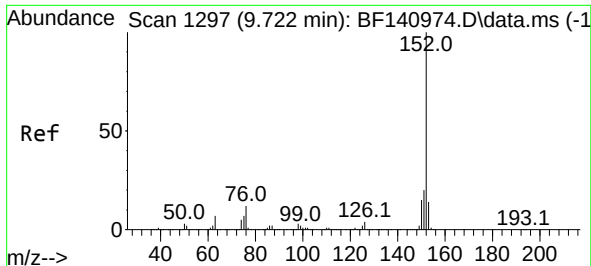
Ion Ratio Lower Upper

65 100

92 69.9 55.6 83.4

138 107.0 80.5 120.7

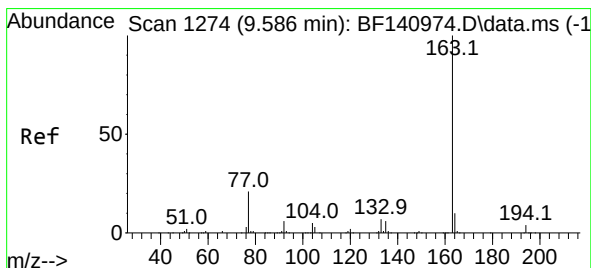
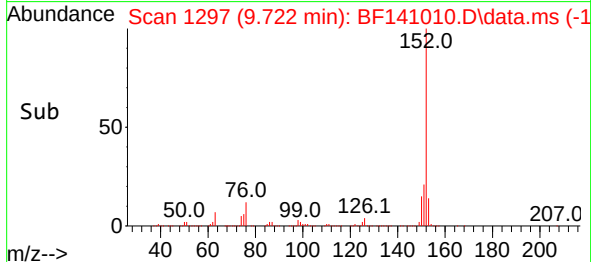
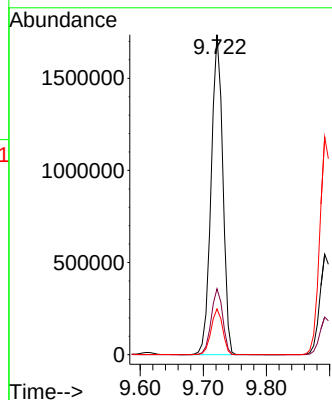
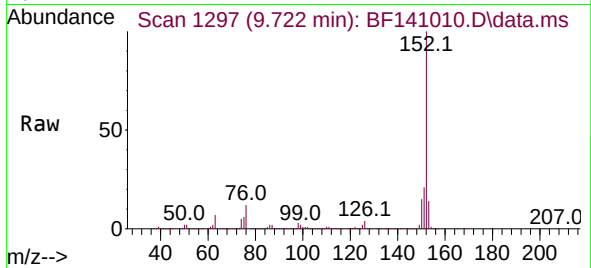




#49  
Acenaphthylene  
Concen: 55.079 ng  
RT: 9.722 min Scan# 1297  
Delta R.T. -0.000 min  
Lab File: BF141010.D  
Acq: 27 Dec 2024 21:17

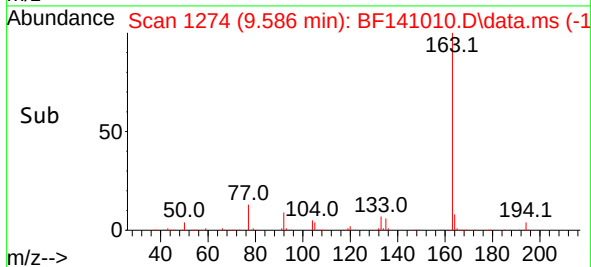
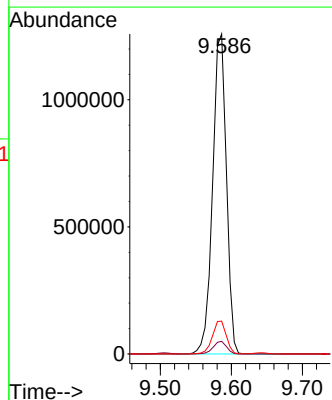
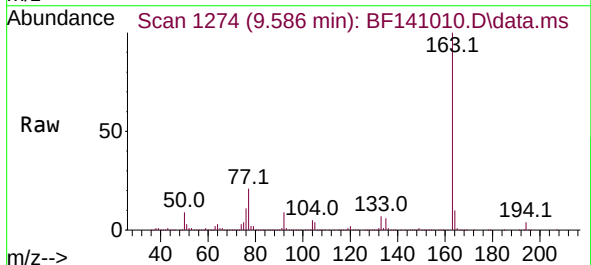
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ210MSD

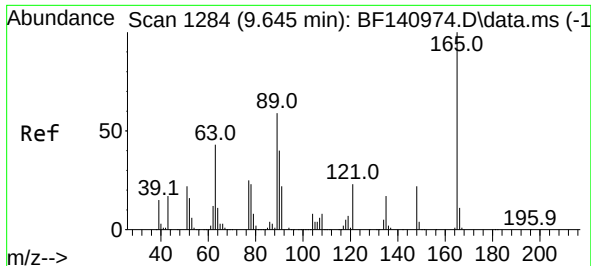
Tgt Ion:152 Resp: 2216087  
Ion Ratio Lower Upper  
152 100  
151 20.6 16.2 24.4  
153 14.3 11.4 17.0



#50  
Dimethylphthalate  
Concen: 54.824 ng  
RT: 9.586 min Scan# 1274  
Delta R.T. 0.000 min  
Lab File: BF141010.D  
Acq: 27 Dec 2024 21:17

Tgt Ion:163 Resp: 1697243  
Ion Ratio Lower Upper  
163 100  
194 3.9 3.1 4.7  
164 10.2 8.3 12.5

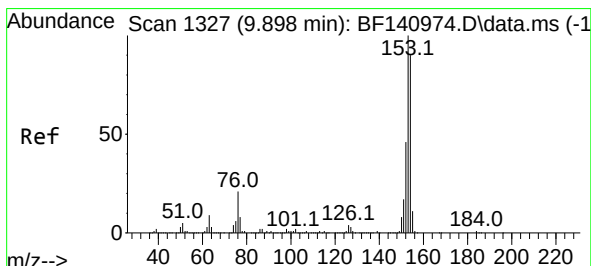
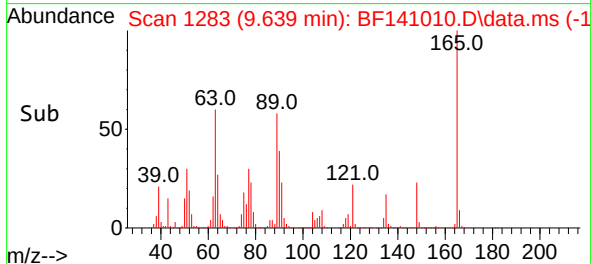
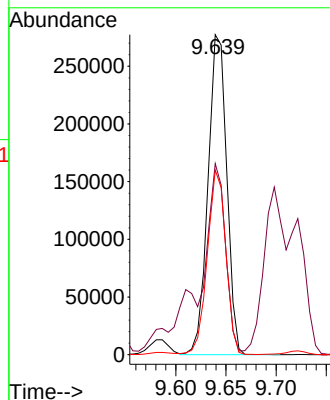
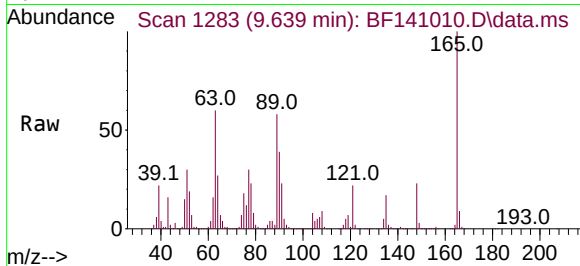




#51  
2,6-Dinitrotoluene  
Concen: 56.571 ng  
RT: 9.639 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF141010.D  
Acq: 27 Dec 2024 21:17

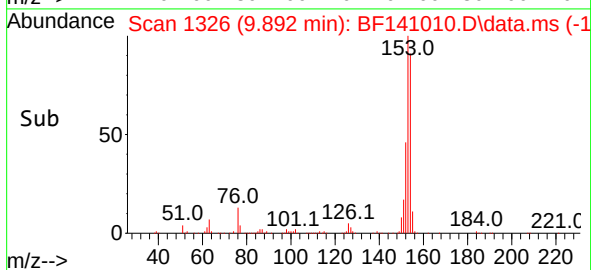
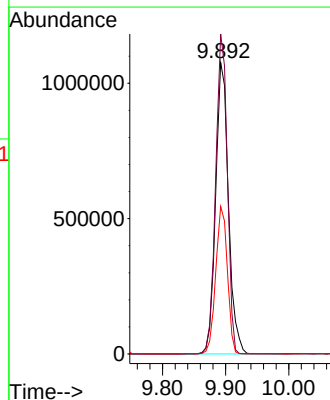
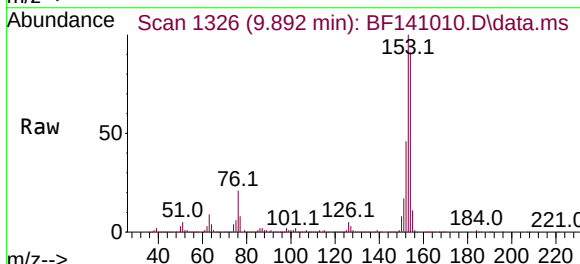
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ210MSD

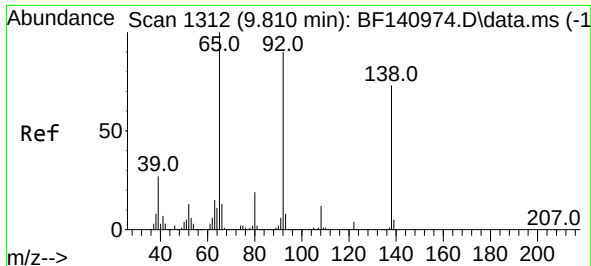
Tgt Ion:165 Resp: 361618  
Ion Ratio Lower Upper  
165 100  
63 59.7 47.1 70.7  
89 57.7 47.0 70.4



#52  
Acenaphthene  
Concen: 55.655 ng  
RT: 9.892 min Scan# 1326  
Delta R.T. -0.006 min  
Lab File: BF141010.D  
Acq: 27 Dec 2024 21:17

Tgt Ion:154 Resp: 1513842  
Ion Ratio Lower Upper  
154 100  
153 109.8 89.2 133.8  
152 50.6 40.9 61.3

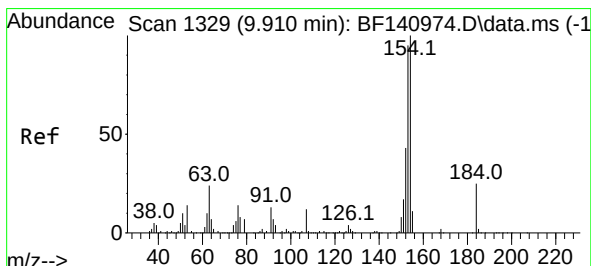
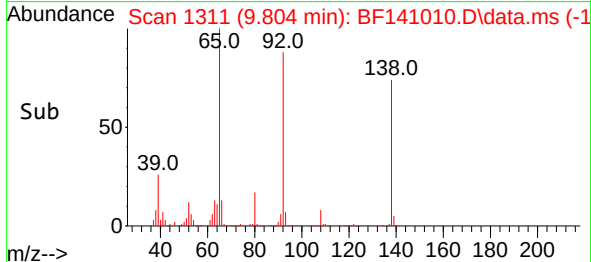
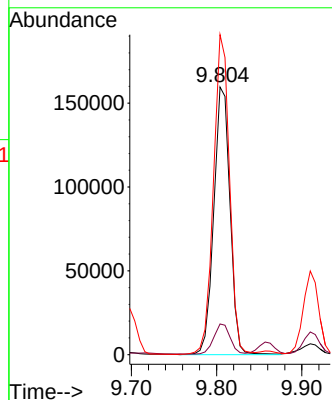
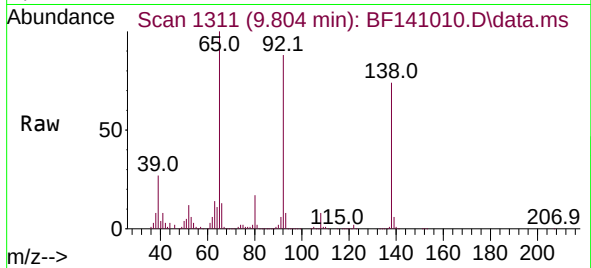




#53  
3-Nitroaniline  
Concen: 31.974 ng  
RT: 9.804 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF141010.D  
Acq: 27 Dec 2024 21:17

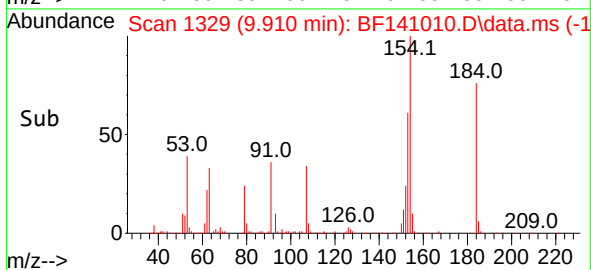
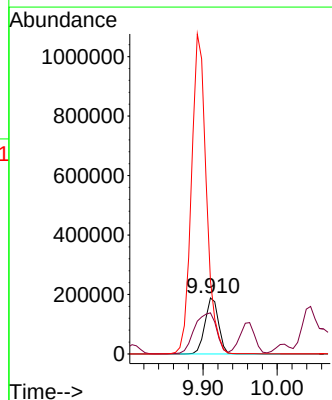
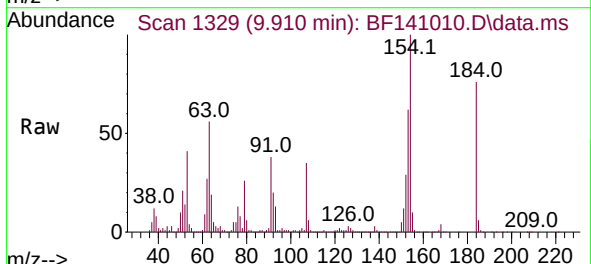
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ210MSD

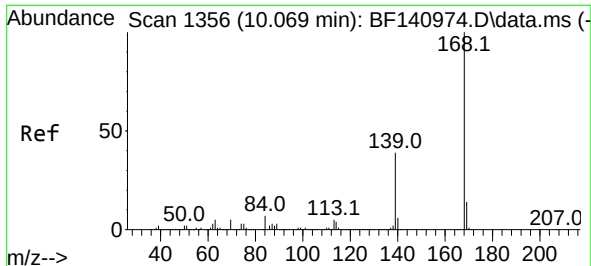
Tgt Ion:138 Resp: 211497  
Ion Ratio Lower Upper  
138 100  
108 11.5 13.5 20.3#  
92 119.5 97.7 146.5



#54  
2,4-Dinitrophenol  
Concen: 90.210 ng  
RT: 9.910 min Scan# 1329  
Delta R.T. -0.000 min  
Lab File: BF141010.D  
Acq: 27 Dec 2024 21:17

Tgt Ion:184 Resp: 240023  
Ion Ratio Lower Upper  
184 100  
63 73.3 81.6 122.4#  
154 131.3 363.5 545.3#

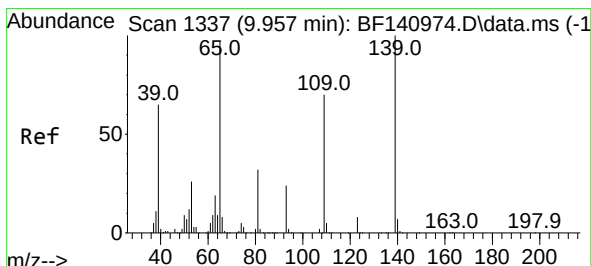
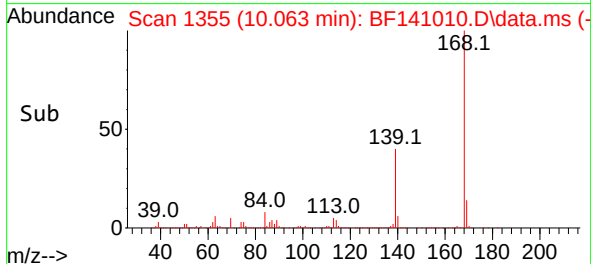
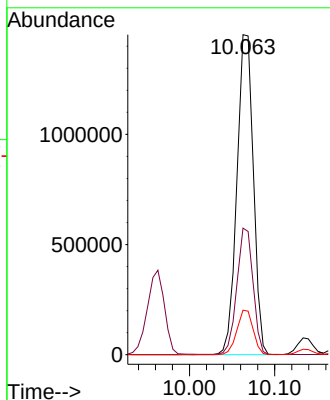
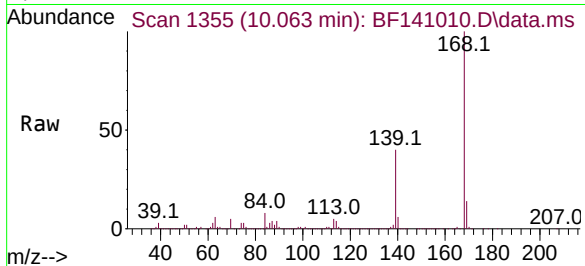




#55  
Dibenzenofuran  
Concen: 51.022 ng  
RT: 10.063 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF141010.D  
Acq: 27 Dec 2024 21:17

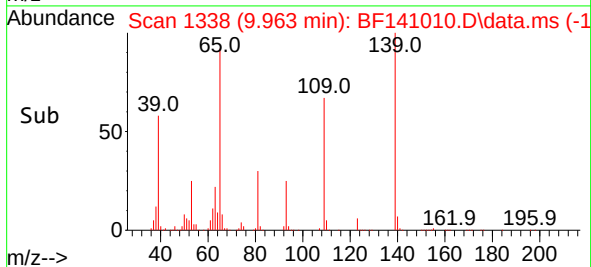
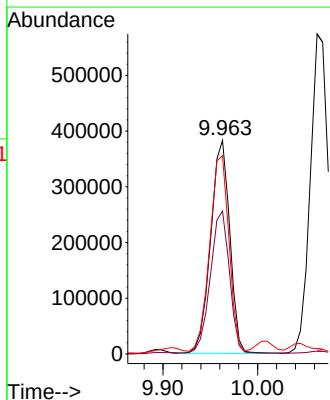
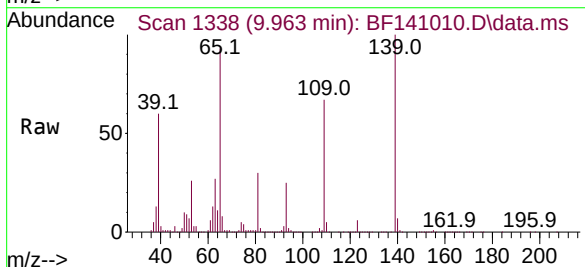
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ210MSD

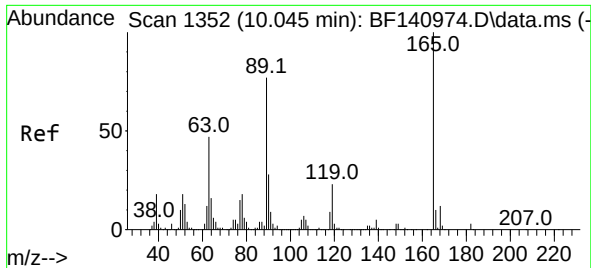
Tgt Ion:168 Resp: 1950405  
Ion Ratio Lower Upper  
168 100  
139 39.5 31.6 47.4  
169 13.9 11.0 16.6



#56  
4-Nitrophenol  
Concen: 101.386 ng  
RT: 9.963 min Scan# 1338  
Delta R.T. 0.006 min  
Lab File: BF141010.D  
Acq: 27 Dec 2024 21:17

Tgt Ion:139 Resp: 536898  
Ion Ratio Lower Upper  
139 100  
109 66.9 50.8 90.8  
65 92.8 78.5 118.5

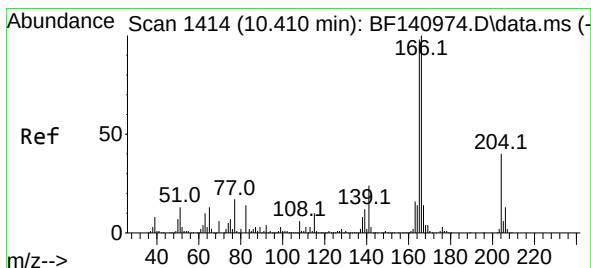
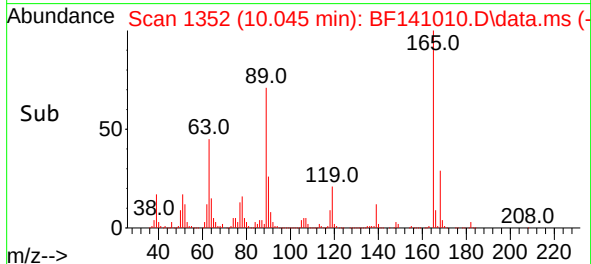
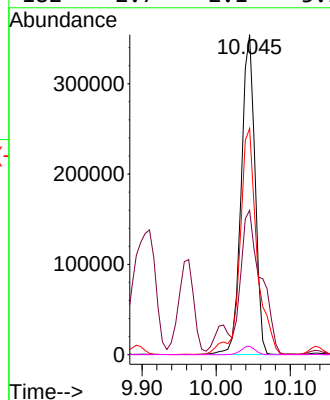
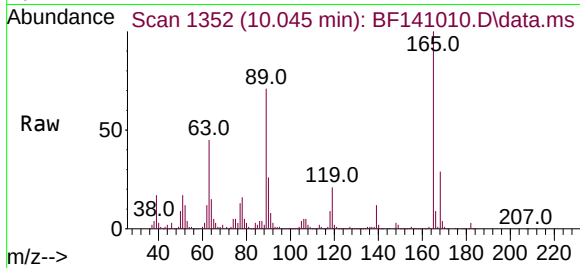




#57  
2,4-Dinitrotoluene  
Concen: 58.185 ng  
RT: 10.045 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF141010.D  
Acq: 27 Dec 2024 21:17

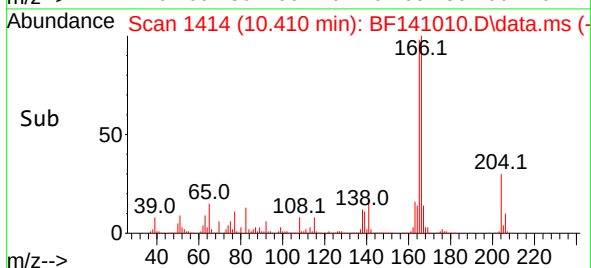
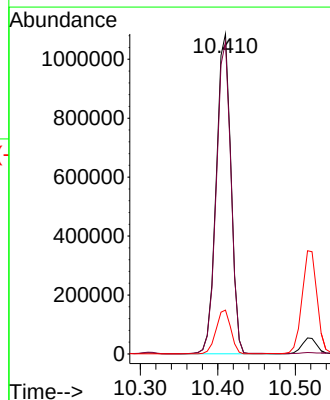
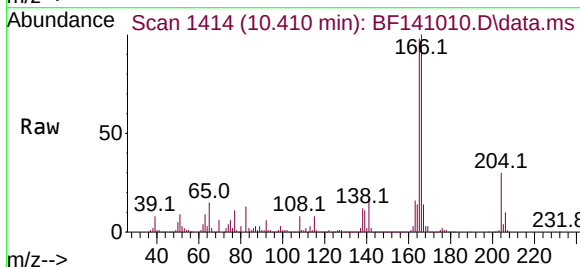
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ210MSD

Tgt Ion:165 Resp: 457659  
Ion Ratio Lower Upper  
165 100  
63 45.1 38.1 57.1  
89 70.7 61.4 92.2  
182 2.7 2.1 3.1

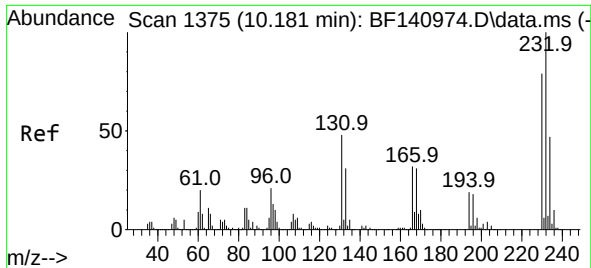


#58  
Fluorene  
Concen: 48.209 ng  
RT: 10.410 min Scan# 1414  
Delta R.T. -0.000 min  
Lab File: BF141010.D  
Acq: 27 Dec 2024 21:17

Tgt Ion:166 Resp: 1429042  
Ion Ratio Lower Upper  
166 100  
165 97.5 78.3 117.5  
167 13.7 10.9 16.3



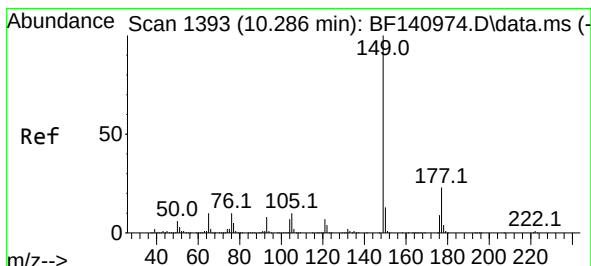
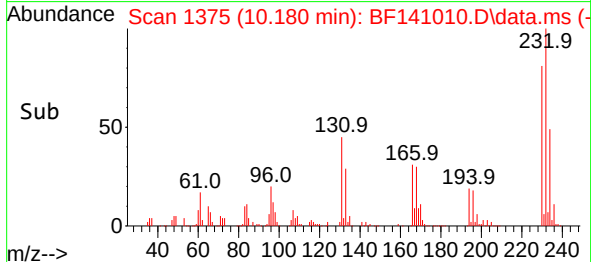
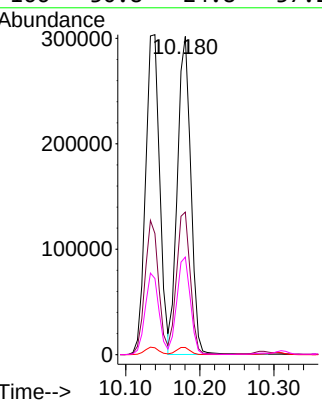
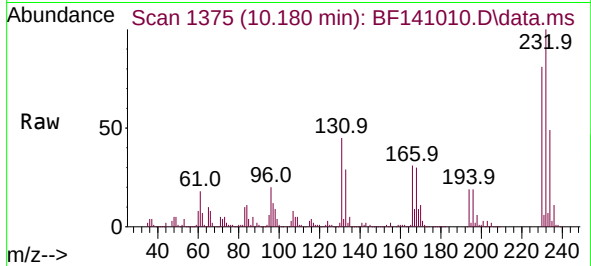




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 51.957 ng  
RT: 10.180 min Scan# 1375  
Delta R.T. -0.000 min  
Lab File: BF141010.D  
Acq: 27 Dec 2024 21:17

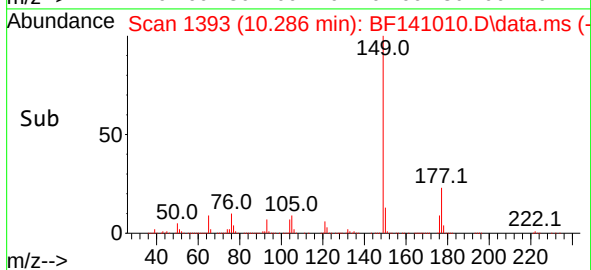
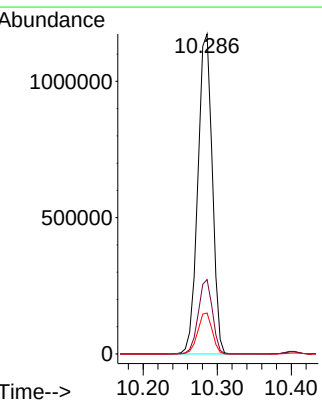
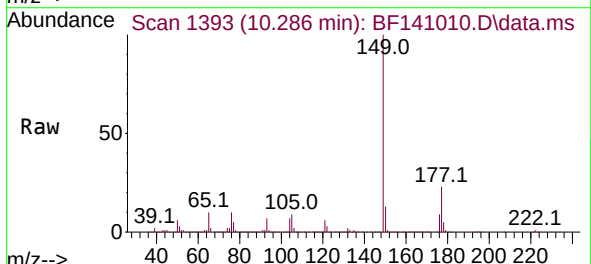
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ210MSD

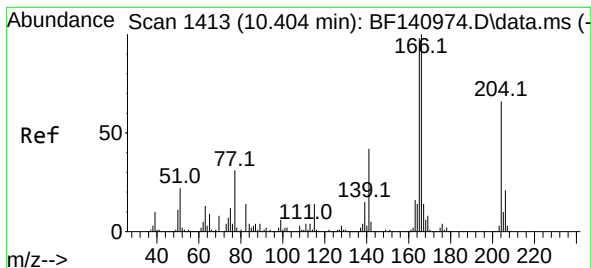
Tgt Ion:232 Resp: 379427  
Ion Ratio Lower Upper  
232 100  
131 46.0 37.4 56.2  
130 2.4 1.8 2.8  
166 30.8 24.8 37.2



#60  
Diethylphthalate  
Concen: 51.869 ng  
RT: 10.286 min Scan# 1393  
Delta R.T. -0.000 min  
Lab File: BF141010.D  
Acq: 27 Dec 2024 21:17

Tgt Ion:149 Resp: 1585267  
Ion Ratio Lower Upper  
149 100  
177 23.3 18.3 27.5  
150 12.8 10.4 15.6

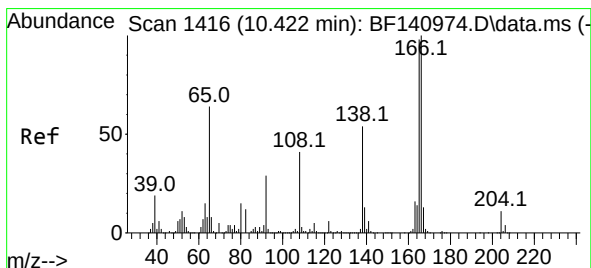
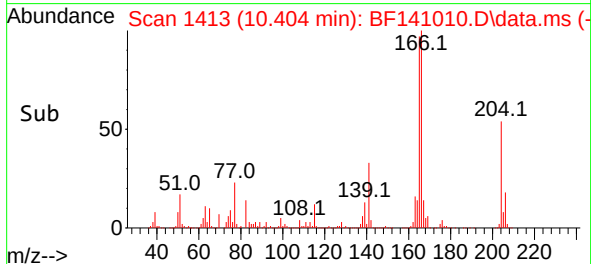
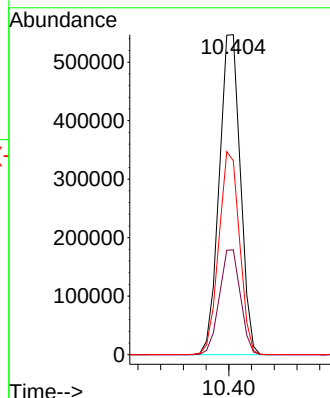
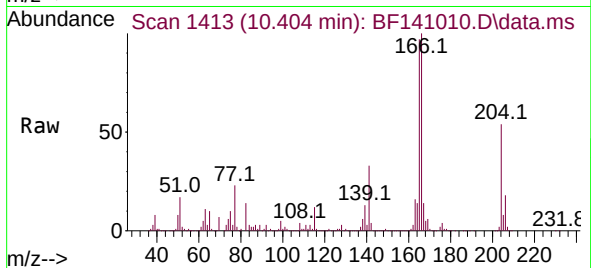




#61  
4-Chlorophenyl-phenylether  
Concen: 49.604 ng  
RT: 10.404 min Scan# 1413  
Delta R.T. -0.000 min  
Lab File: BF141010.D  
Acq: 27 Dec 2024 21:17

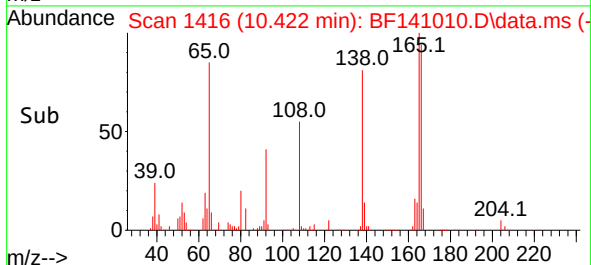
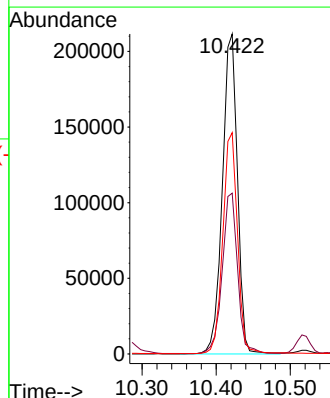
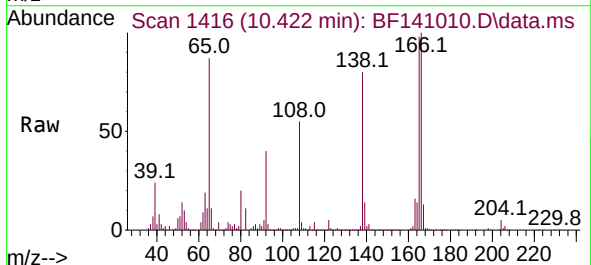
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ210MSD

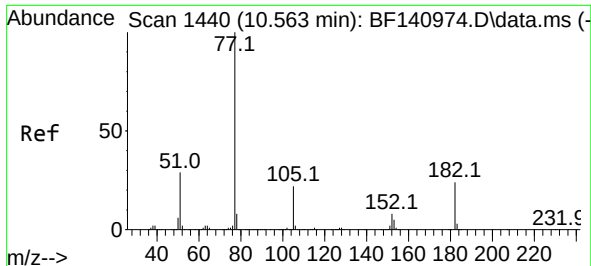
Tgt Ion:204 Resp: 707519  
Ion Ratio Lower Upper  
204 100  
206 32.7 25.8 38.6  
141 60.6 51.2 76.8



#62  
4-Nitroaniline  
Concen: 43.864 ng  
RT: 10.422 min Scan# 1416  
Delta R.T. -0.000 min  
Lab File: BF141010.D  
Acq: 27 Dec 2024 21:17

Tgt Ion:138 Resp: 298741  
Ion Ratio Lower Upper  
138 100  
92 50.3 34.8 74.8  
108 69.1 55.9 95.9

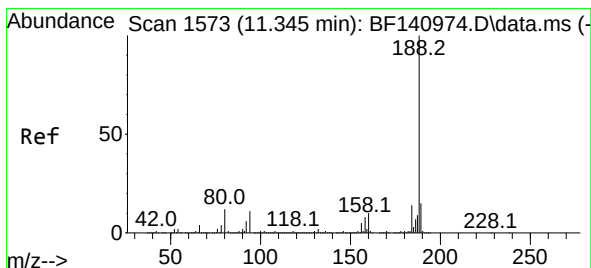
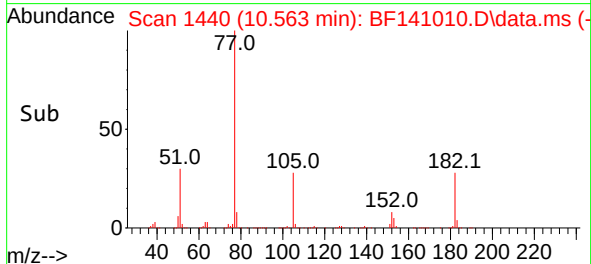
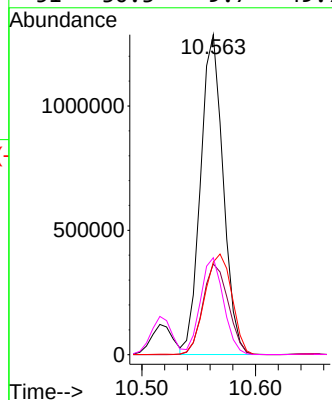
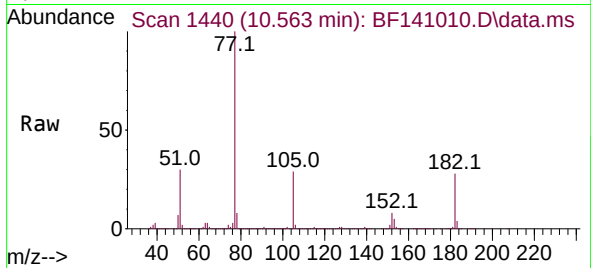




#63  
Azobenzene  
Concen: 55.434 ng  
RT: 10.563 min Scan# 1440  
Delta R.T. -0.000 min  
Lab File: BF141010.D  
Acq: 27 Dec 2024 21:17

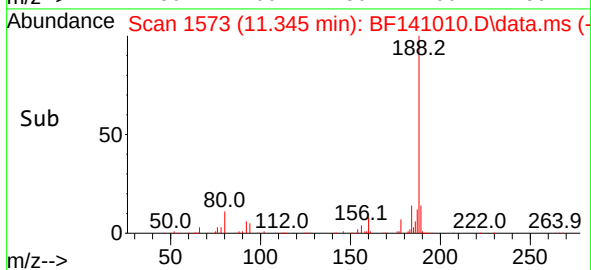
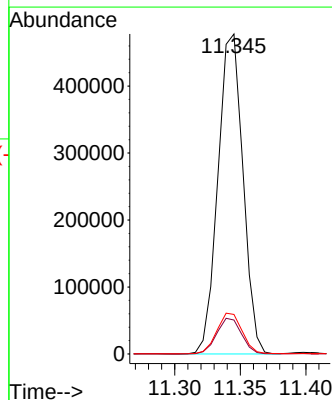
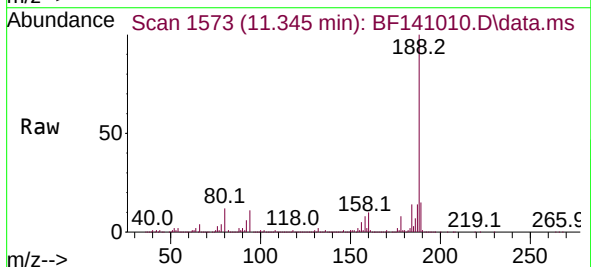
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ210MSD

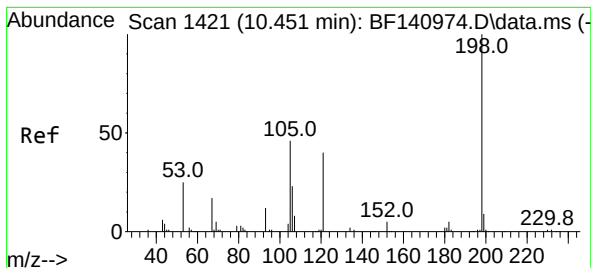
Tgt Ion: 77 Resp: 1778277  
Ion Ratio Lower Upper  
77 100  
182 28.4 4.1 44.1  
105 28.9 1.8 41.8  
51 30.3 9.7 49.7



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.345 min Scan# 1573  
Delta R.T. -0.000 min  
Lab File: BF141010.D  
Acq: 27 Dec 2024 21:17

Tgt Ion:188 Resp: 634268  
Ion Ratio Lower Upper  
188 100  
94 10.6 9.0 13.6  
80 12.4 9.8 14.6

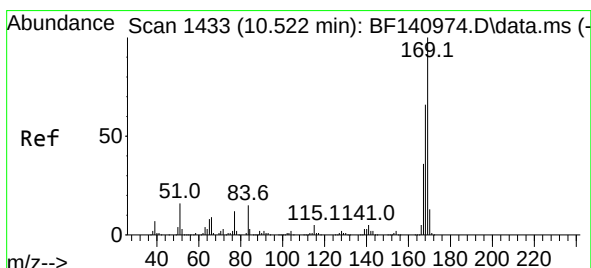
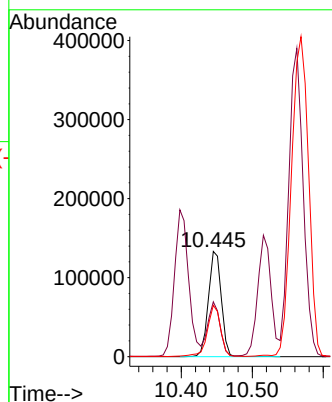
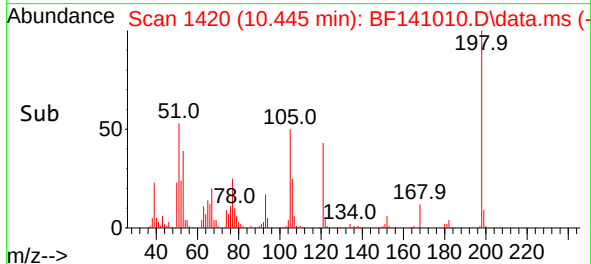
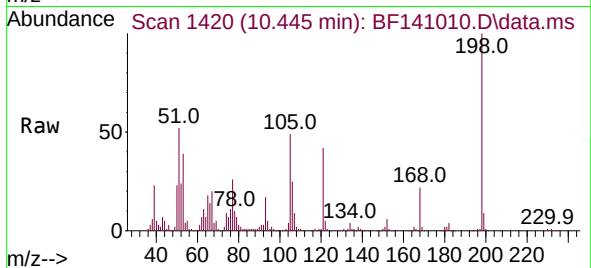




#65  
4,6-Dinitro-2-methylphenol  
Concen: 63.066 ng  
RT: 10.445 min Scan# 1421  
Delta R.T. -0.006 min  
Lab File: BF141010.D  
Acq: 27 Dec 2024 21:17

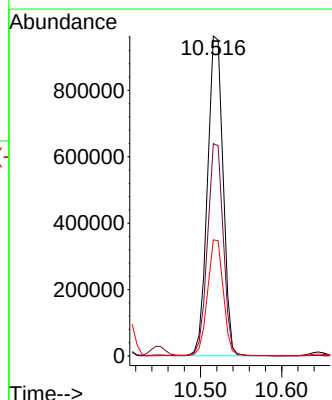
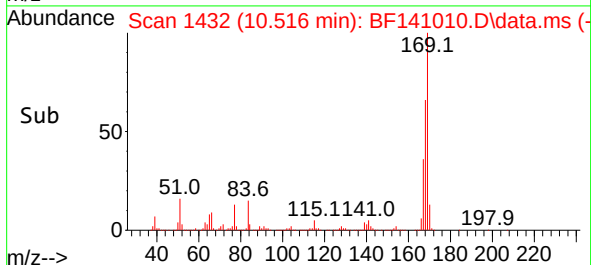
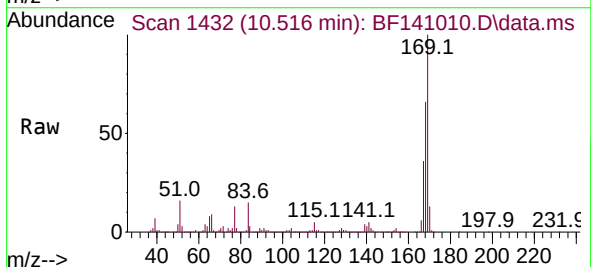
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BNA\_F  
ClientSampleId :  
VNJ210MSD

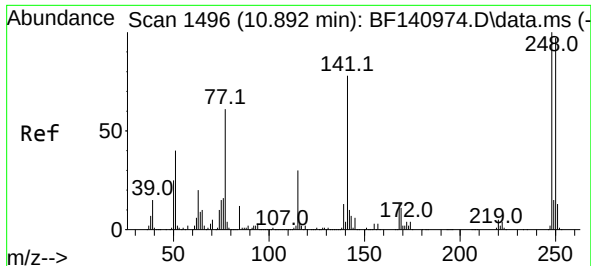
Tgt Ion:198 Resp: 168696  
Ion Ratio Lower Upper  
198 100  
51 52.1 32.3 72.3  
105 48.8 28.4 68.4



#66  
n-Nitrosodiphenylamine  
Concen: 63.998 ng  
RT: 10.516 min Scan# 1432  
Delta R.T. -0.006 min  
Lab File: BF141010.D  
Acq: 27 Dec 2024 21:17

Tgt Ion:169 Resp: 1278233  
Ion Ratio Lower Upper  
169 100  
168 66.4 52.6 79.0  
167 36.3 29.0 43.4

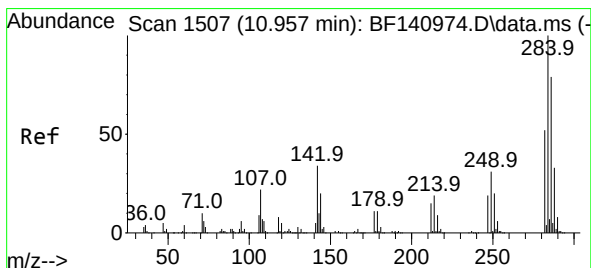
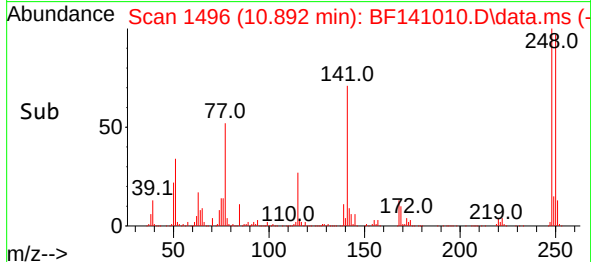
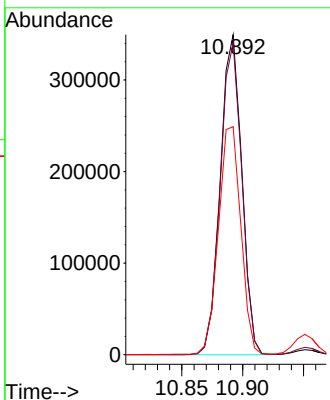
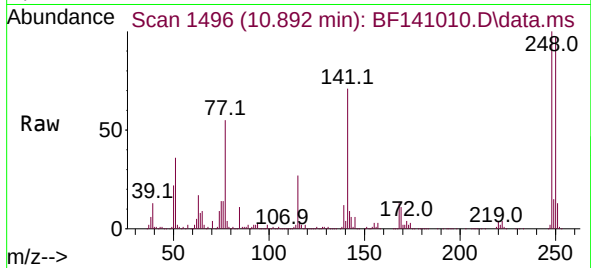




#67  
4-Bromophenyl-phenylether  
Concen: 62.819 ng  
RT: 10.892 min Scan# 1496  
Delta R.T. -0.000 min  
Lab File: BF141010.D  
Acq: 27 Dec 2024 21:17

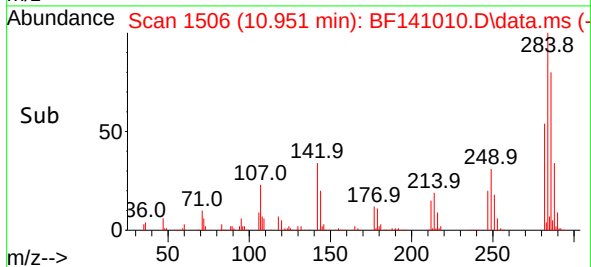
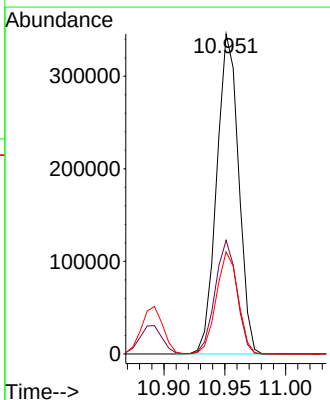
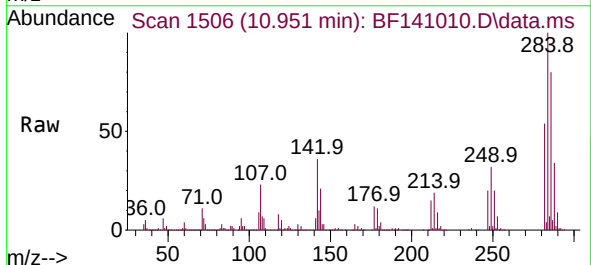
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ210MSD

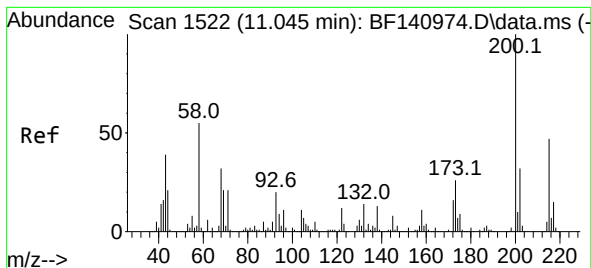
Tgt Ion:248 Resp: 430720  
Ion Ratio Lower Upper  
248 100  
250 97.4 77.7 116.5  
141 71.3 62.1 93.1



#68  
Hexachlorobenzene  
Concen: 57.335 ng  
RT: 10.951 min Scan# 1506  
Delta R.T. -0.006 min  
Lab File: BF141010.D  
Acq: 27 Dec 2024 21:17

Tgt Ion:284 Resp: 433475  
Ion Ratio Lower Upper  
284 100  
142 35.6 27.1 40.7  
249 31.9 25.1 37.7





#69

Atrazine

Concen: 72.592 ng

RT: 11.045 min Scan# 1522

Delta R.T. 0.000 min

Lab File: BF141010.D

Acq: 27 Dec 2024 21:17

Instrument :

BNA\_F

ClientSampleId :

VNJ210MSD

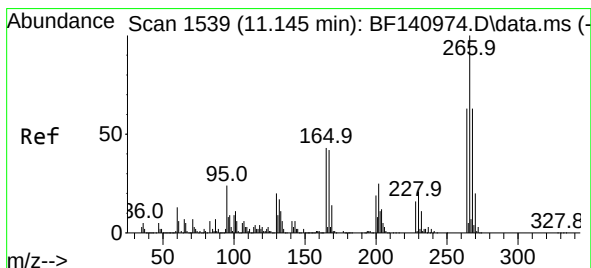
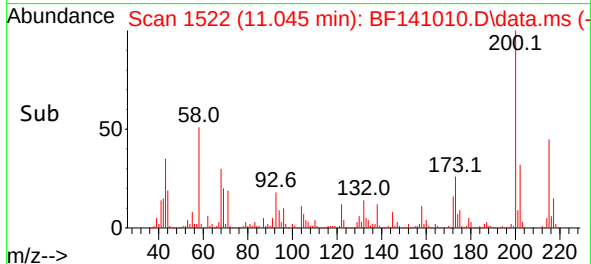
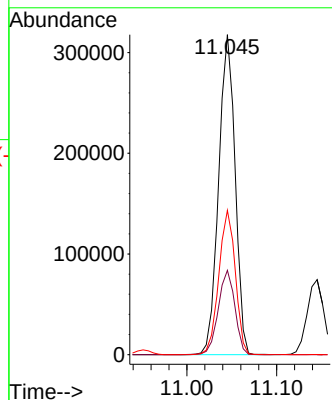
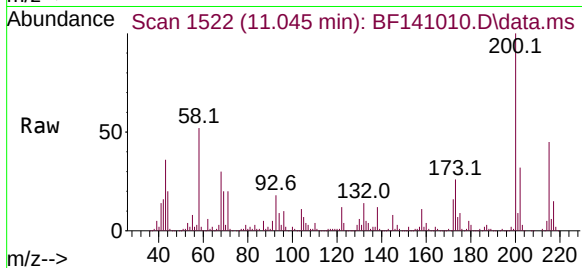
Tgt Ion:200 Resp: 405050

Ion Ratio Lower Upper

200 100

173 26.3 6.4 46.4

215 45.1 27.2 67.2



#70

Pentachlorophenol

Concen: 108.519 ng

RT: 11.145 min Scan# 1539

Delta R.T. 0.000 min

Lab File: BF141010.D

Acq: 27 Dec 2024 21:17

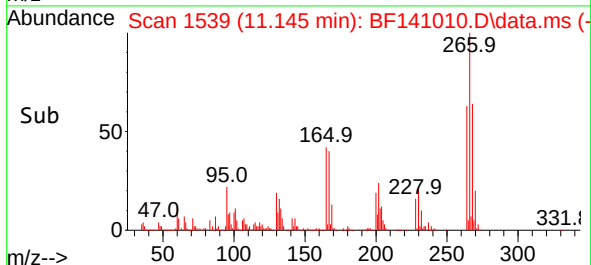
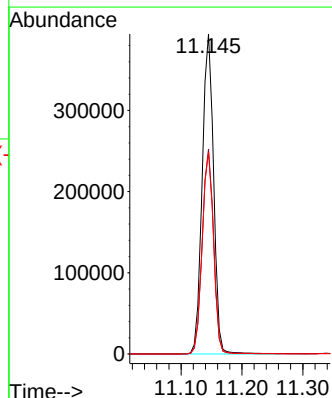
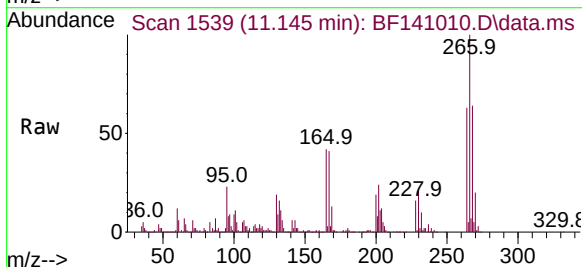
Tgt Ion:266 Resp: 510819

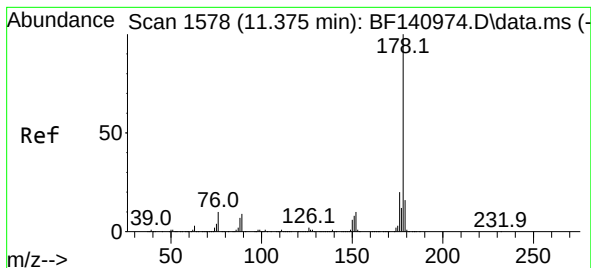
Ion Ratio Lower Upper

266 100

268 64.1 50.5 75.7

264 63.1 50.2 75.4





#71

Phenanthrene

Concen: 61.889 ng

RT: 11.369 min Scan# 1577

Delta R.T. -0.006 min

Lab File: BF141010.D

Acq: 27 Dec 2024 21:17

Instrument :

BNA\_F

ClientSampleId :

VNJ210MSD

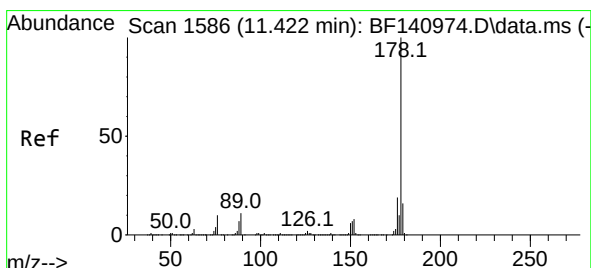
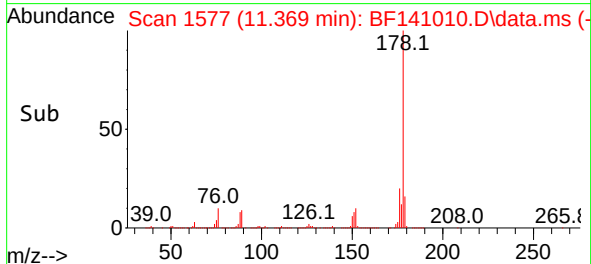
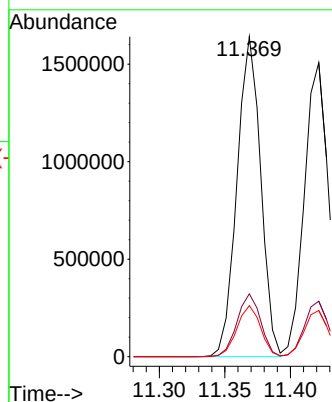
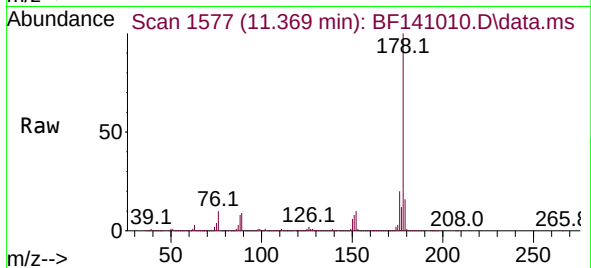
Tgt Ion:178 Resp: 2065974

Ion Ratio Lower Upper

178 100

176 19.7 15.8 23.6

179 16.0 12.6 19.0



#72

Anthracene

Concen: 58.207 ng

RT: 11.422 min Scan# 1586

Delta R.T. -0.000 min

Lab File: BF141010.D

Acq: 27 Dec 2024 21:17

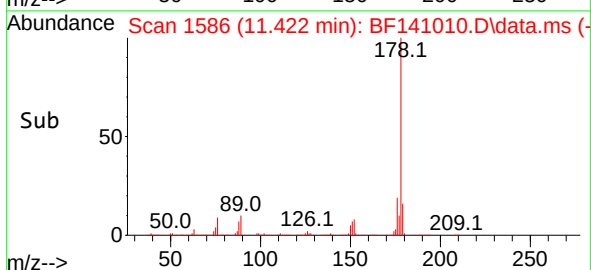
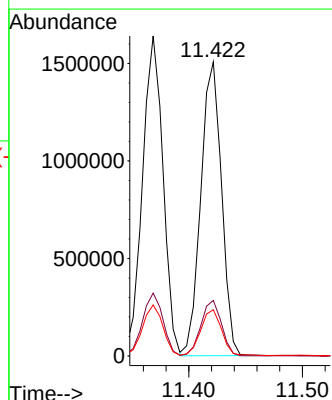
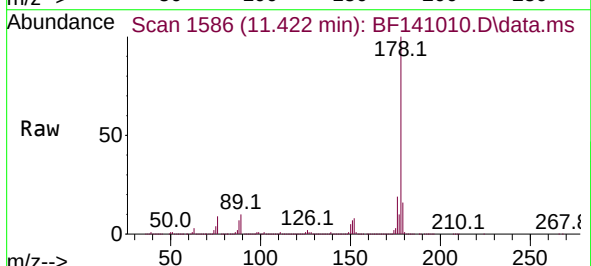
Tgt Ion:178 Resp: 1903959

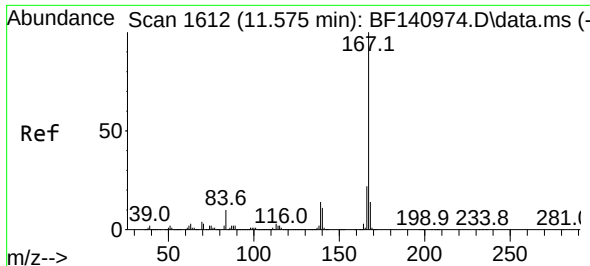
Ion Ratio Lower Upper

178 100

176 18.9 15.3 22.9

179 15.7 12.9 19.3

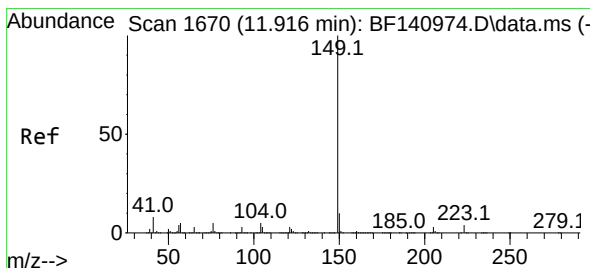
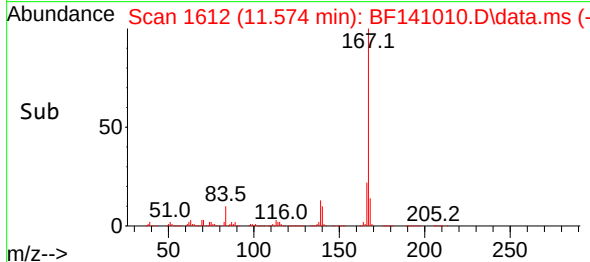
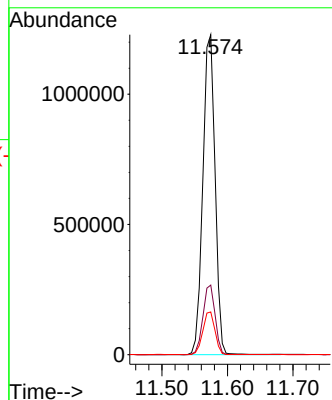
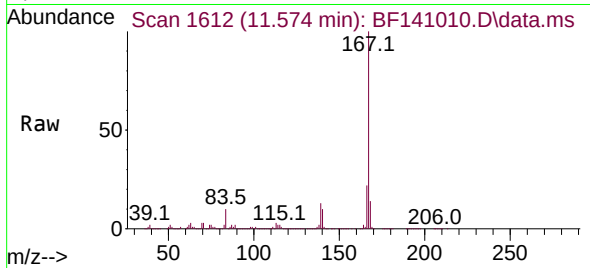




#73  
 Carbazole  
 Concen: 50.850 ng  
 RT: 11.574 min Scan# 1612  
 Delta R.T. -0.000 min  
 Lab File: BF141010.D  
 Acq: 27 Dec 2024 21:17

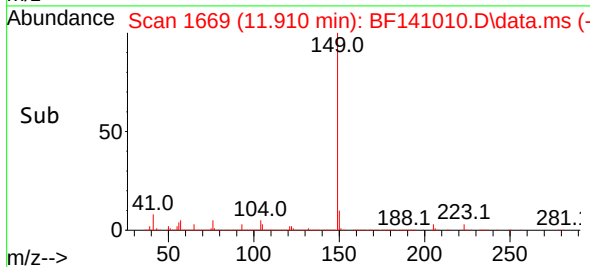
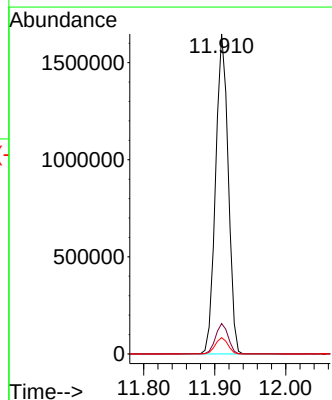
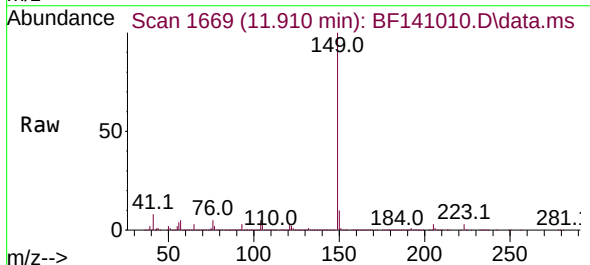
Instrument :  
 BNA\_F  
 ClientSampleId :  
 VNJ210MSD

Tgt Ion:167 Resp: 1598994  
 Ion Ratio Lower Upper  
 167 100  
 166 21.8 17.5 26.3  
 139 13.3 11.0 16.4

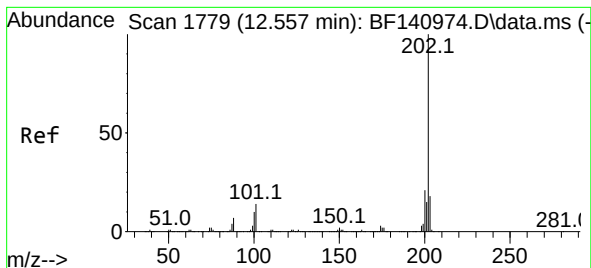


#74  
 Di-n-butylphthalate  
 Concen: 56.650 ng  
 RT: 11.910 min Scan# 1669  
 Delta R.T. -0.006 min  
 Lab File: BF141010.D  
 Acq: 27 Dec 2024 21:17

Tgt Ion:149 Resp: 2026128  
 Ion Ratio Lower Upper  
 149 100  
 150 9.5 7.7 11.5  
 104 5.1 4.1 6.1



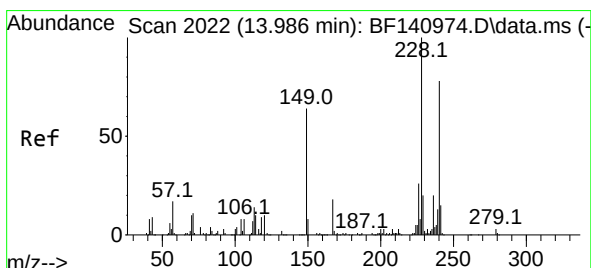
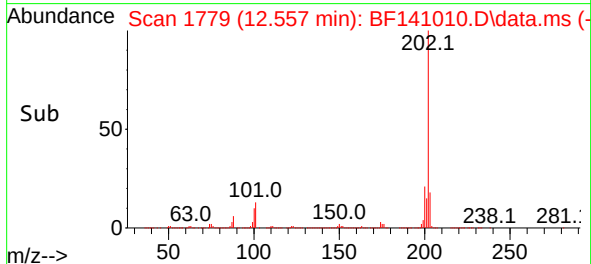
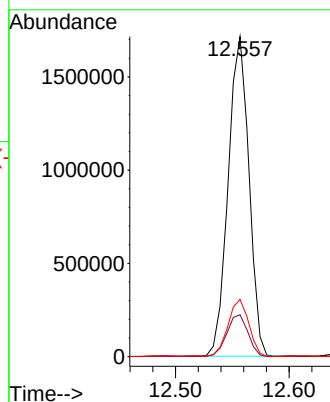
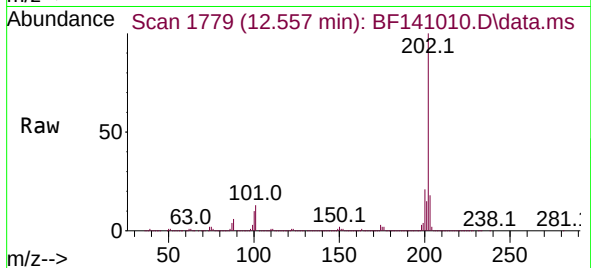




#75  
Fluoranthene  
Concen: 60.199 ng  
RT: 12.557 min Scan# 1779  
Delta R.T. -0.000 min  
Lab File: BF141010.D  
Acq: 27 Dec 2024 21:17

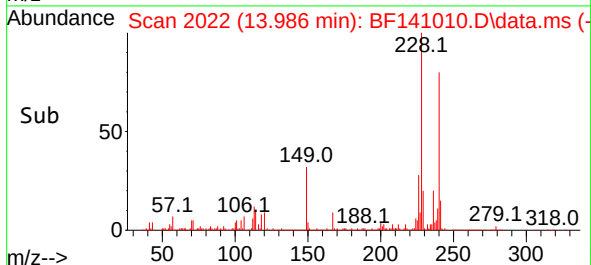
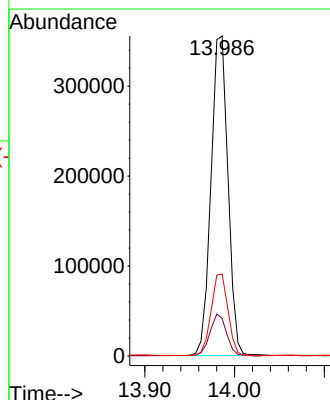
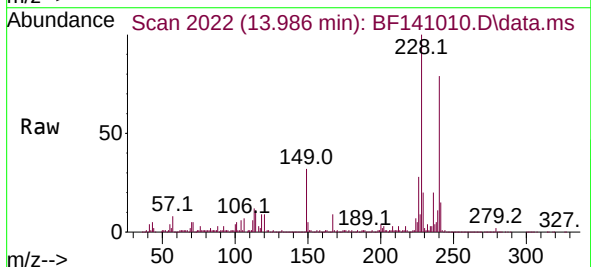
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ210MSD

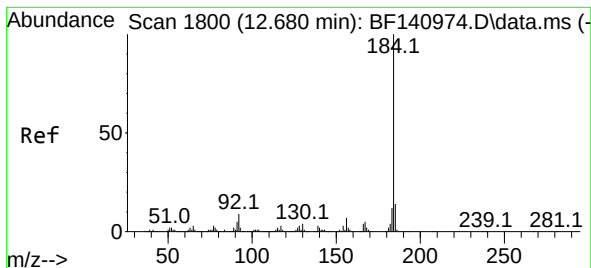
Tgt Ion:202 Resp: 2179507  
Ion Ratio Lower Upper  
202 100  
101 13.1 0.0 33.7  
203 17.9 0.0 38.1



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.986 min Scan# 2022  
Delta R.T. -0.000 min  
Lab File: BF141010.D  
Acq: 27 Dec 2024 21:17

Tgt Ion:240 Resp: 466583  
Ion Ratio Lower Upper  
240 100  
120 11.7 10.7 16.1  
236 25.6 20.6 31.0





#77

Benzidine

Concen: 43.122 ng

RT: 12.674 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141010.D

Acq: 27 Dec 2024 21:17

Instrument :

BNA\_F

ClientSampleId :

VNJ210MSD

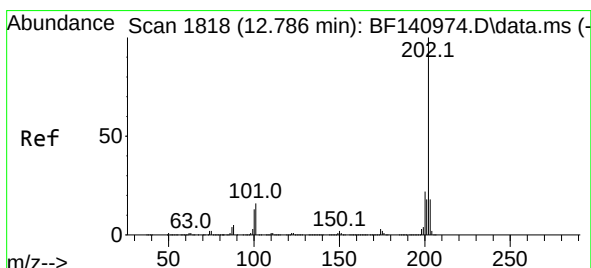
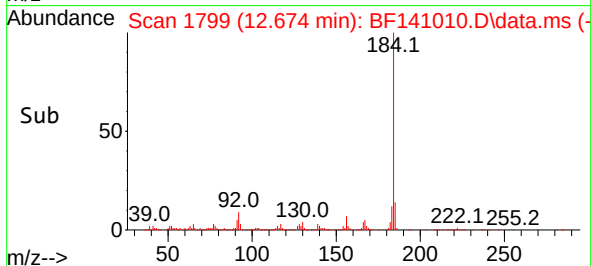
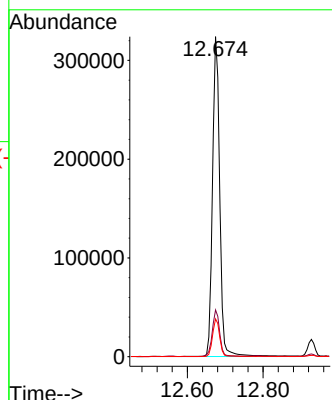
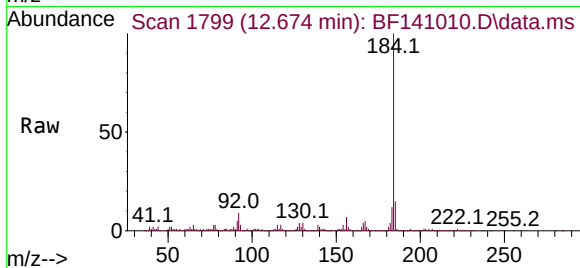
Tgt Ion:184 Resp: 425214

Ion Ratio Lower Upper

184 100

185 14.6 11.4 17.2

183 11.8 9.4 14.0



#78

Pyrene

Concen: 55.446 ng

RT: 12.786 min Scan# 1818

Delta R.T. -0.000 min

Lab File: BF141010.D

Acq: 27 Dec 2024 21:17

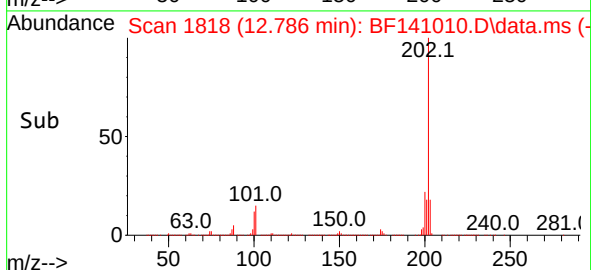
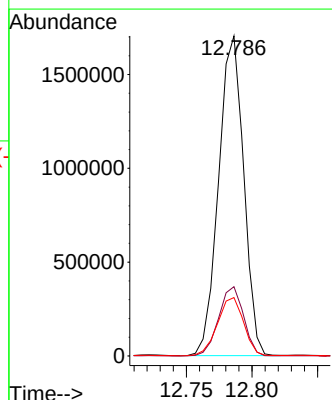
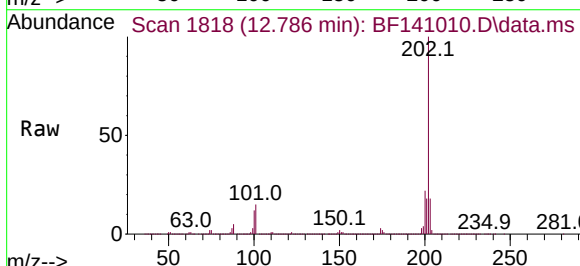
Tgt Ion:202 Resp: 2262545

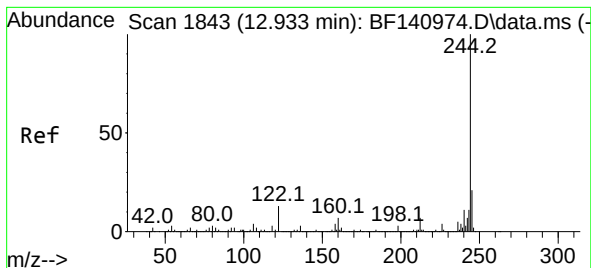
Ion Ratio Lower Upper

202 100

200 21.6 17.3 25.9

203 18.2 14.6 21.8





#79

Terphenyl-d14

Concen: 59.160 ng

RT: 12.927 min Scan# 1842

Delta R.T. -0.006 min

Lab File: BF141010.D

Acq: 27 Dec 2024 21:17

Instrument :

BNA\_F

ClientSampleId :

VNJ210MSD

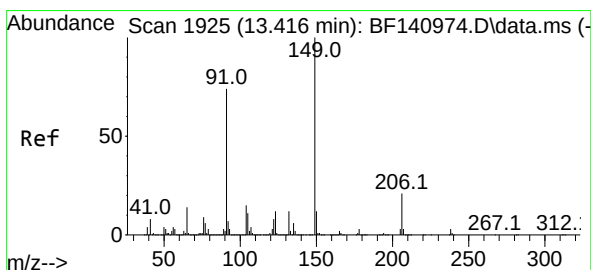
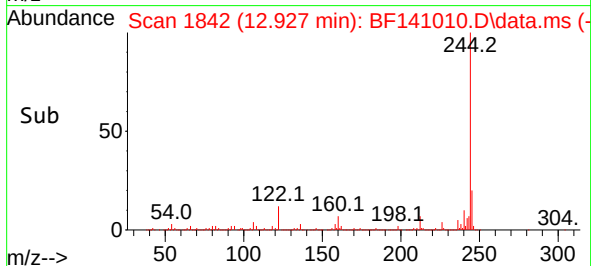
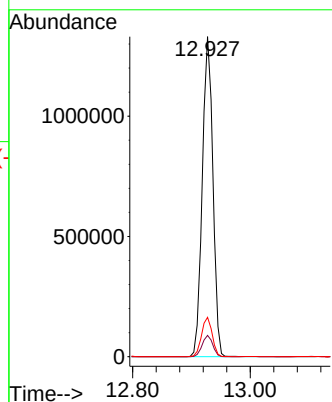
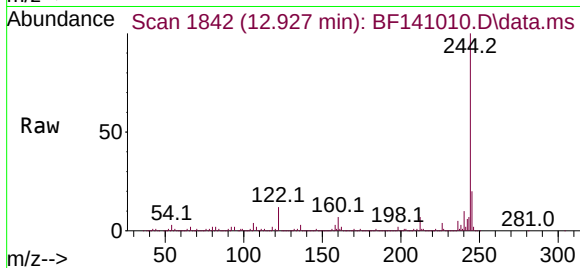
Tgt Ion:244 Resp: 1661845

Ion Ratio Lower Upper

244 100

212 6.7 5.7 8.5

122 12.3 10.2 15.2



#80

Butylbenzylphthalate

Concen: 52.483 ng

RT: 13.410 min Scan# 1924

Delta R.T. -0.006 min

Lab File: BF141010.D

Acq: 27 Dec 2024 21:17

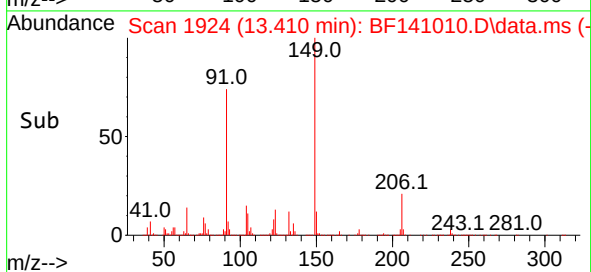
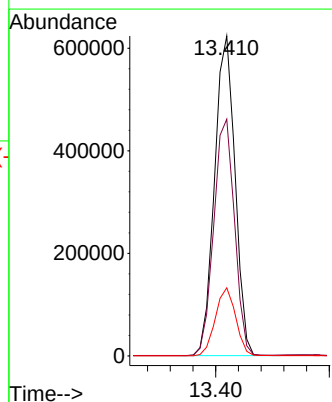
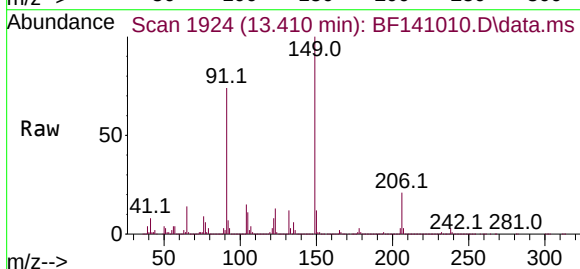
Tgt Ion:149 Resp: 782026

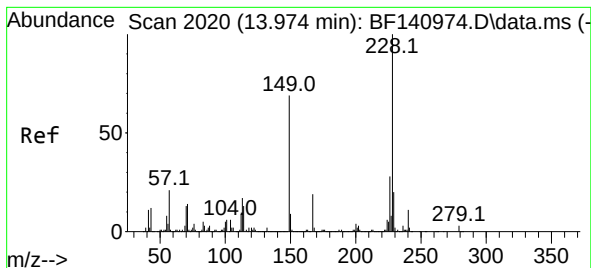
Ion Ratio Lower Upper

149 100

91 74.0 59.5 89.3

206 21.3 17.1 25.7





#81

Benzo(a)anthracene

Concen: 58.956 ng

RT: 13.974 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF141010.D

Acq: 27 Dec 2024 21:17

Instrument :

BNA\_F

ClientSampleId :

VNJ210MSD

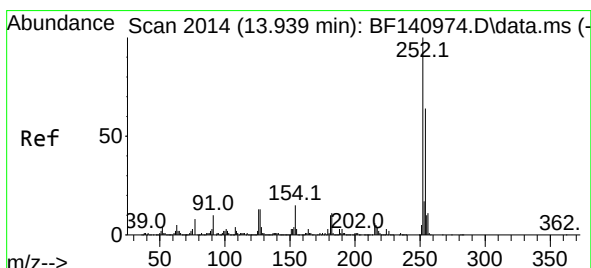
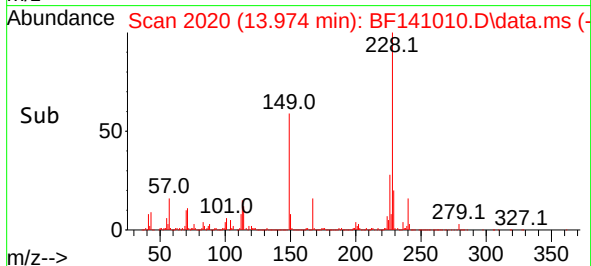
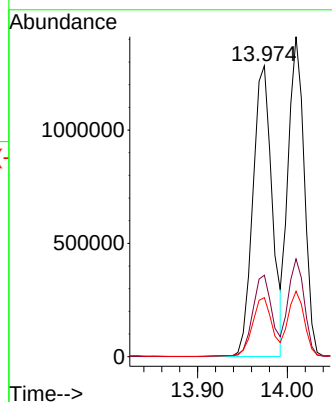
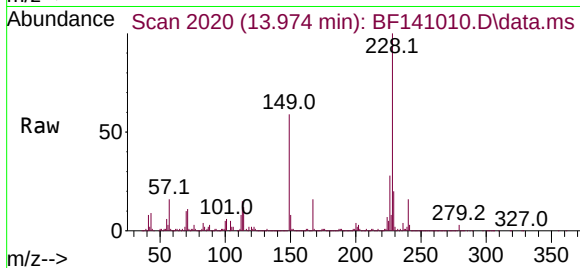
Tgt Ion:228 Resp: 1917148

Ion Ratio Lower Upper

228 100

226 28.0 22.1 33.1

229 20.3 16.2 24.2



#82

3,3'-Dichlorobenzidine

Concen: 29.952 ng

RT: 13.933 min Scan# 2013

Delta R.T. -0.006 min

Lab File: BF141010.D

Acq: 27 Dec 2024 21:17

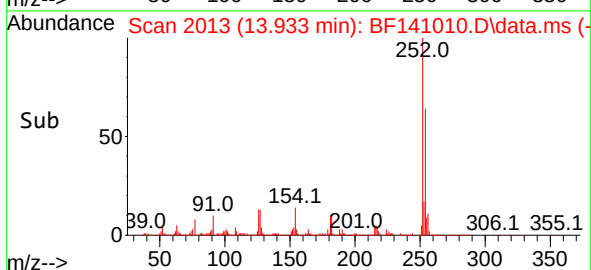
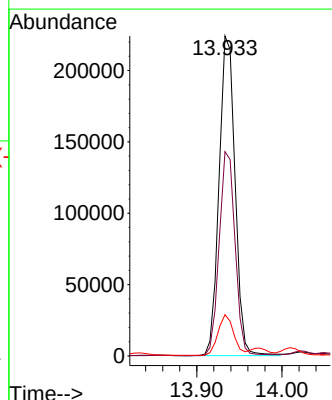
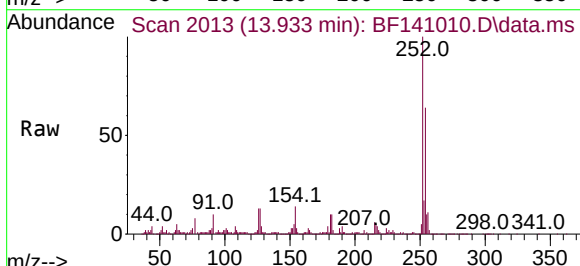
Tgt Ion:252 Resp: 292628

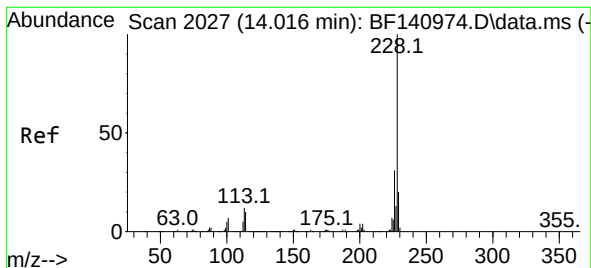
Ion Ratio Lower Upper

252 100

254 63.8 51.5 77.3

126 12.9 10.3 15.5





#83

Chrysene

Concen: 59.676 ng

RT: 14.010 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF141010.D

Acq: 27 Dec 2024 21:17

Instrument :

BNA\_F

ClientSampleId :

VNJ210MSD

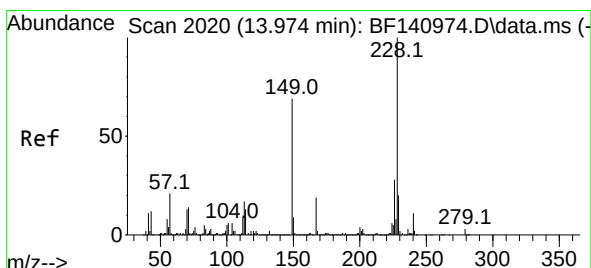
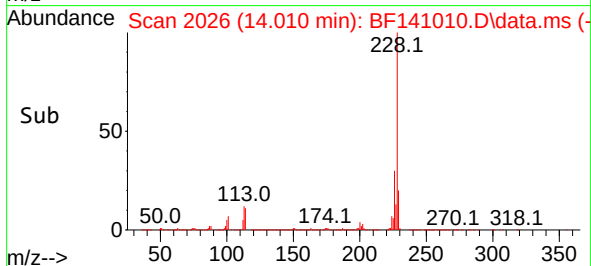
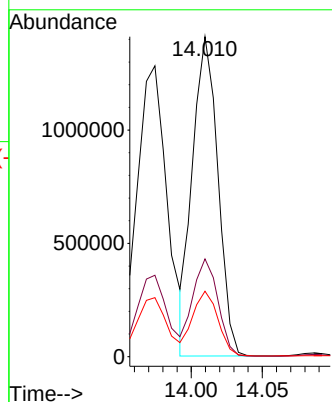
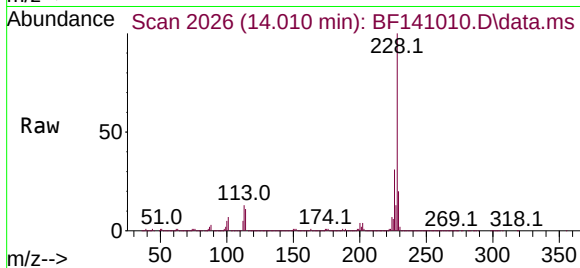
Tgt Ion:228 Resp: 1749338

Ion Ratio Lower Upper

228 100

226 30.5 24.5 36.7

229 20.5 16.2 24.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 54.538 ng

RT: 13.968 min Scan# 2019

Delta R.T. -0.006 min

Lab File: BF141010.D

Acq: 27 Dec 2024 21:17

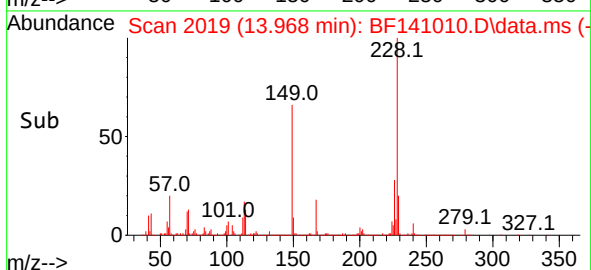
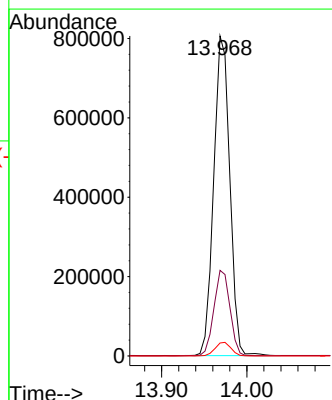
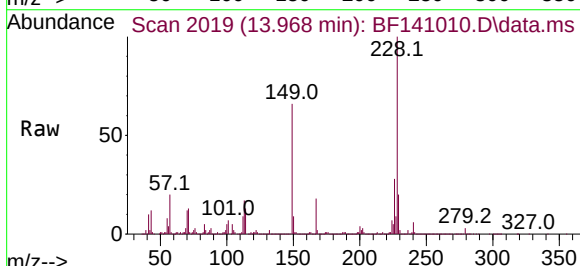
Tgt Ion:149 Resp: 1054120

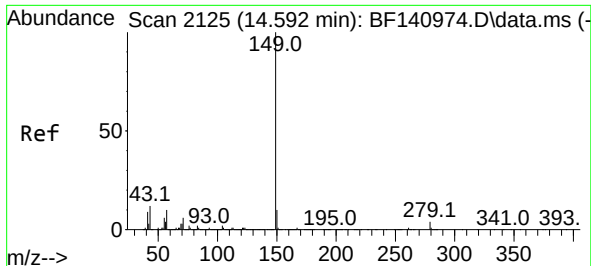
Ion Ratio Lower Upper

149 100

167 26.8 21.6 32.4

279 4.0 3.2 4.8

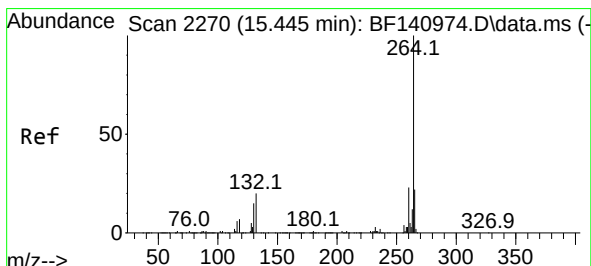
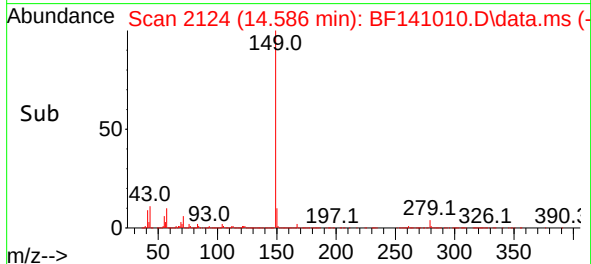
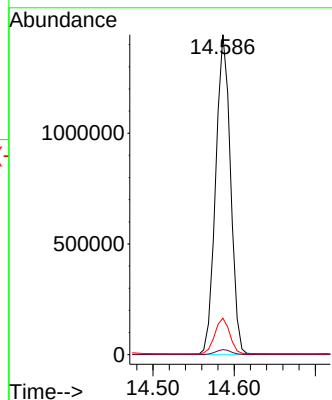
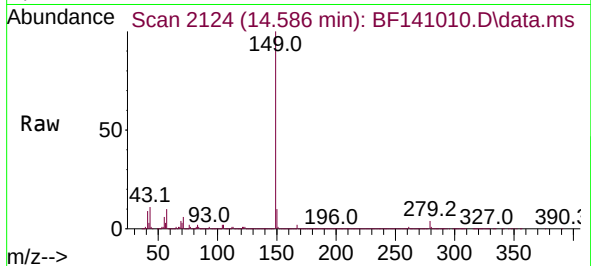




#85  
Di-n-octyl phthalate  
Concen: 65.440 ng  
RT: 14.586 min Scan# 2125  
Delta R.T. -0.006 min  
Lab File: BF141010.D  
Acq: 27 Dec 2024 21:17

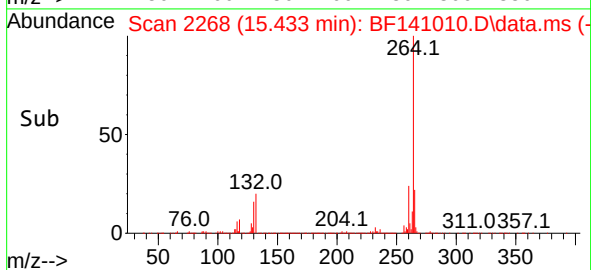
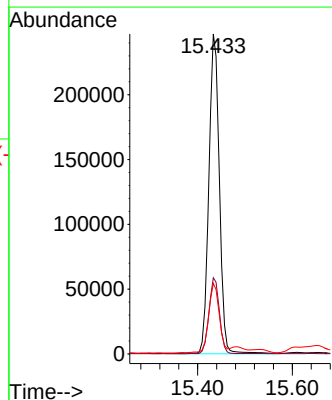
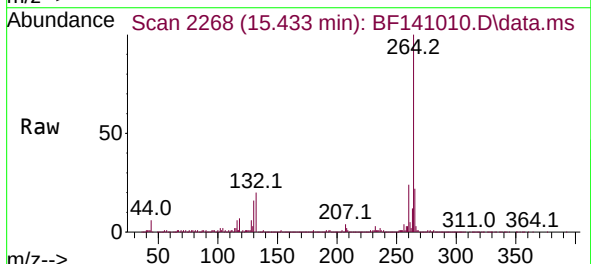
Instrument :  
BNA\_F  
ClientSampleId :  
VNJ210MSD

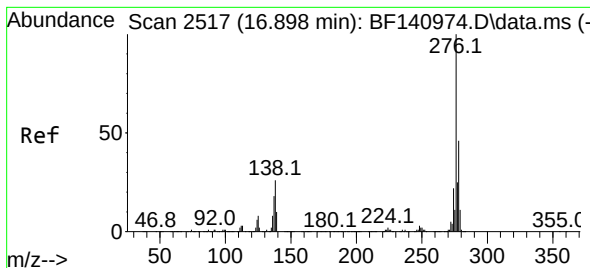
Tgt Ion:149 Resp: 1830651  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.2 1.8  
43 11.2 9.3 13.9



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.433 min Scan# 2268  
Delta R.T. -0.012 min  
Lab File: BF141010.D  
Acq: 27 Dec 2024 21:17

Tgt Ion:264 Resp: 379375  
Ion Ratio Lower Upper  
264 100  
260 23.8 18.7 28.1  
265 22.0 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 53.469 ng

RT: 16.886 min Scan# 2197

Delta R.T. -0.012 min

Lab File: BF141010.D

Acq: 27 Dec 2024 21:17

Instrument :

BNA\_F

ClientSampleId :

VNJ210MSD

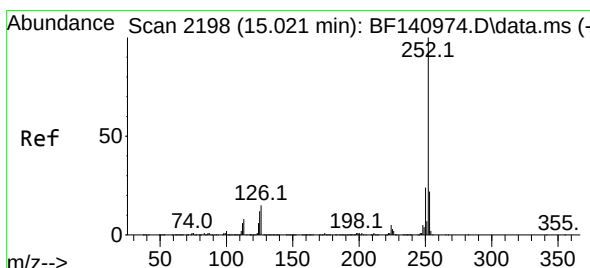
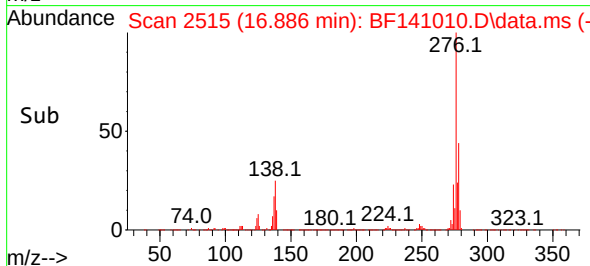
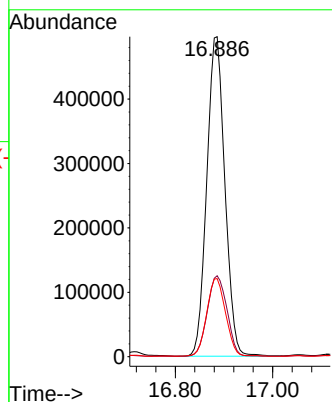
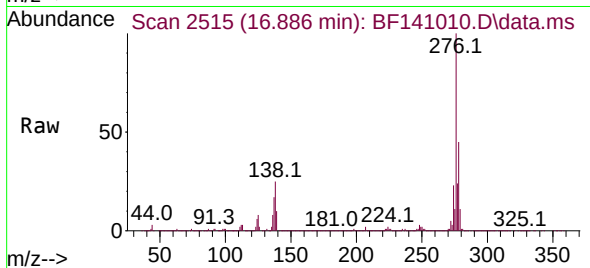
Tgt Ion:276 Resp: 1277978

Ion Ratio Lower Upper

276 100

138 27.4 23.1 34.7

277 25.4 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 66.944 ng

RT: 15.015 min Scan# 2197

Delta R.T. -0.006 min

Lab File: BF141010.D

Acq: 27 Dec 2024 21:17

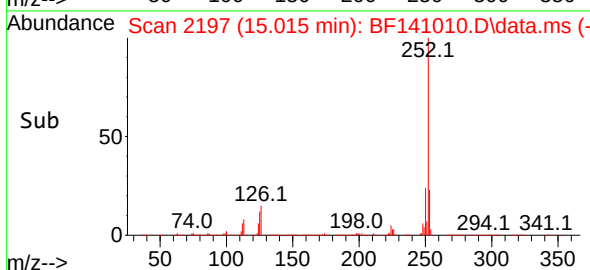
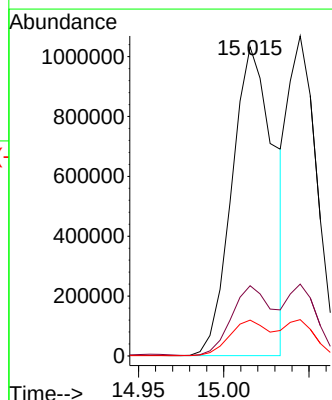
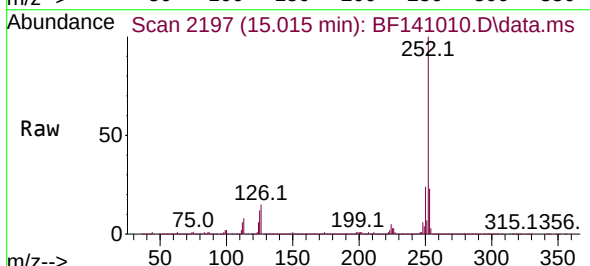
Tgt Ion:252 Resp: 1771281

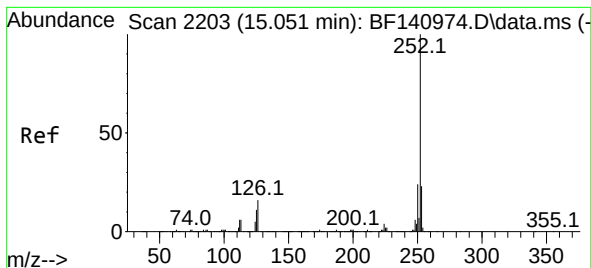
Ion Ratio Lower Upper

252 100

253 22.7 17.7 26.5

125 11.6 9.3 13.9





#89

Benzo(k)fluoranthene

Concen: 58.953 ng

RT: 15.045 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141010.D

Acq: 27 Dec 2024 21:17

Instrument :

BNA\_F

ClientSampleId :

VNJ210MSD

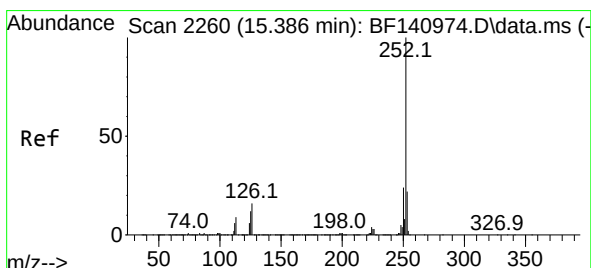
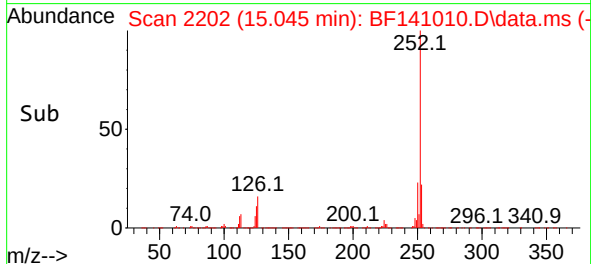
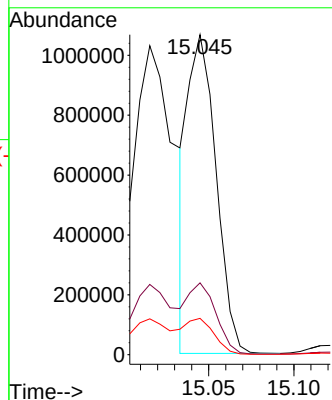
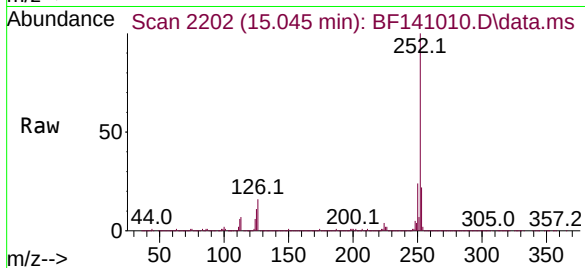
Tgt Ion:252 Resp: 1222563

Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.8

125 11.4 9.4 14.0



#90

Benzo(a)pyrene

Concen: 65.978 ng

RT: 15.374 min Scan# 2258

Delta R.T. -0.012 min

Lab File: BF141010.D

Acq: 27 Dec 2024 21:17

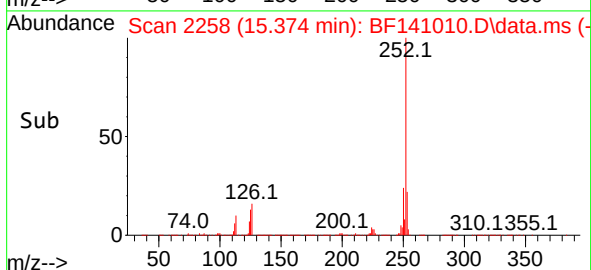
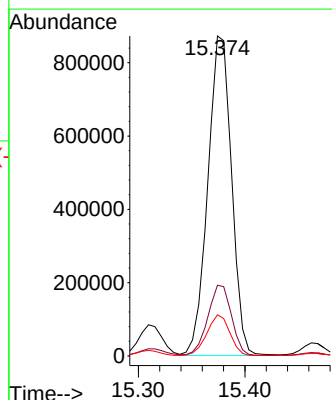
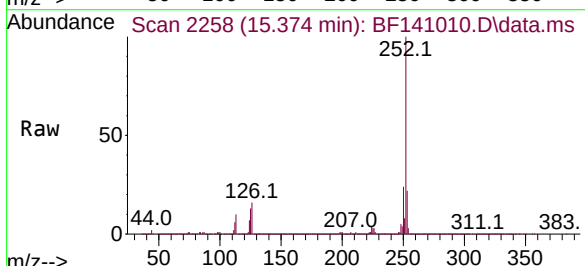
Tgt Ion:252 Resp: 1354991

Ion Ratio Lower Upper

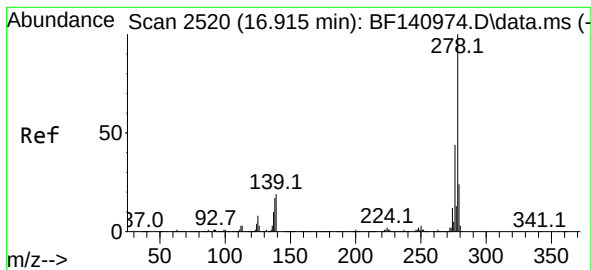
252 100

253 22.1 17.2 25.8

125 12.8 9.8 14.8







#91

Dibenzo(a,h)anthracene

Concen: 50.778 ng

RT: 16.904 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141010.D

Acq: 27 Dec 2024 21:17

Instrument :

BNA\_F

ClientSampleId :

VNJ210MSD

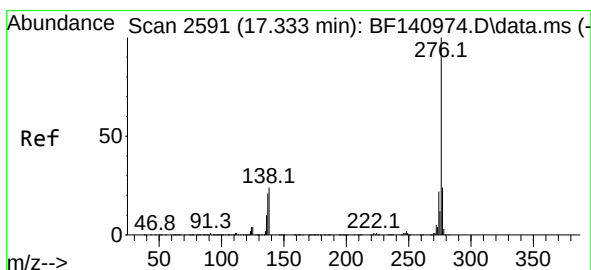
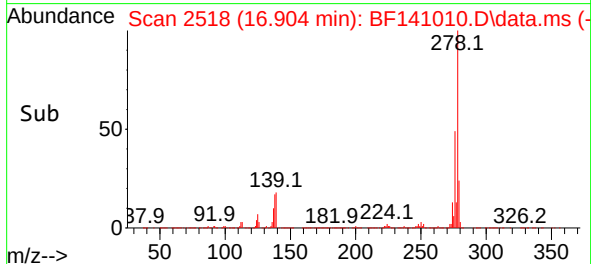
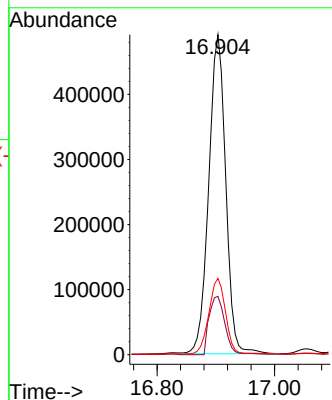
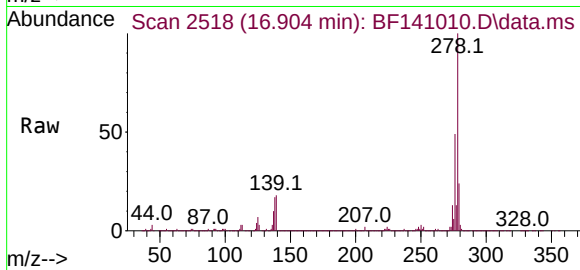
Tgt Ion:278 Resp: 983815

Ion Ratio Lower Upper

278 100

139 18.2 14.9 22.3

279 23.9 19.0 28.6



#92

Benzo(g,h,i)perylene

Concen: 47.972 ng

RT: 17.321 min Scan# 2589

Delta R.T. -0.012 min

Lab File: BF141010.D

Acq: 27 Dec 2024 21:17

Tgt Ion:276 Resp: 964009

Ion Ratio Lower Upper

276 100

277 24.0 19.0 28.4

138 23.8 19.4 29.2

