

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF112524\  
 Data File : BF140617.D  
 Acq On : 25 Nov 2024 21:37  
 Operator : RC/JU  
 Sample : P4860-09MSD  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PH2-BOT-006MSD

Quant Time: Nov 26 00:10:44 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 21 15:23:48 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.869  | 152  | 54501    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.151  | 136  | 202613   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.904  | 164  | 106607   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.398 | 188  | 220773   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.045 | 240  | 127662   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.533 | 264  | 125896   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.499  | 112  | 364179   | 114.010 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.510  | 99   | 482332   | 114.218 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.434  | 82   | 310654   | 78.426  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.698 | 330  | 147772   | 129.605 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.222  | 172  | 606393   | 84.750  | ng    | -0.01    |
| 79) Terphenyl-d14             | 12.980 | 244  | 667518   | 81.419  | ng    | -0.01    |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.646  | 88   | 64765    | 48.223  | ng    | 99       |
| 3) Pyridine                   | 3.416  | 79   | 160781   | 54.411  | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.363  | 42   | 87880    | 50.601  | ng    | 98       |
| 6) Aniline                    | 6.534  | 93   | 128106   | 43.100  | ng    | 90       |
| 8) 2-Chlorophenol             | 6.657  | 128  | 182299   | 53.047  | ng    | 98       |
| 9) Benzaldehyde               | 6.422  | 77   | 15051    | 6.733   | ng    | 98       |
| 10) Phenol                    | 6.522  | 94   | 234998   | 54.490  | ng    | 93       |
| 11) bis(2-Chloroethyl)ether   | 6.604  | 93   | 167150   | 50.649  | ng    | 100      |
| 12) 1,3-Dichlorobenzene       | 6.810  | 146  | 195075   | 50.518  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.887  | 146  | 197745   | 50.576  | ng    | 100      |
| 14) 1,2-Dichlorobenzene       | 7.040  | 146  | 188262   | 51.386  | ng    | 99       |
| 15) Benzyl Alcohol            | 7.010  | 79   | 165969   | 52.997  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.140  | 45   | 207147   | 53.132  | ng    | 96       |
| 17) 2-Methylphenol            | 7.128  | 107  | 144454   | 52.511  | ng    | 97       |
| 18) Hexachloroethane          | 7.381  | 117  | 74360    | 50.921  | ng    | 99       |
| 19) n-Nitroso-di-n-propyla... | 7.281  | 70   | 127074   | 50.917  | ng    | 97       |
| 20) 3+4-Methylphenols         | 7.281  | 107  | 186609   | 52.776  | ng    | 98       |
| 22) Acetophenone              | 7.275  | 105  | 252749   | 51.168  | ng    | 98       |
| 24) Nitrobenzene              | 7.451  | 77   | 199678   | 48.774  | ng    | 99       |
| 25) Isophorone                | 7.687  | 82   | 341198   | 51.643  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.769  | 139  | 94922    | 52.320  | ng    | 100      |
| 27) 2,4-Dimethylphenol        | 7.804  | 122  | 125941   | 58.018  | ng    | 100      |
| 28) bis(2-Chloroethoxy)met... | 7.898  | 93   | 202636   | 50.345  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 8.016  | 162  | 151432   | 52.647  | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 8.092  | 180  | 160905   | 48.994  | ng    | 99       |
| 31) Naphthalene               | 8.175  | 128  | 529338   | 50.721  | ng    | 99       |
| 32) Benzoic acid              | 7.928  | 122  | 86545    | 46.143  | ng    | 98       |
| 33) 4-Chloroaniline           | 8.222  | 127  | 58067    | 18.583  | ng    | 97       |
| 34) Hexachlorobutadiene       | 8.287  | 225  | 107947   | 49.624  | ng    | 99       |
| 35) Caprolactam               | 8.581  | 113  | 32540    | 36.556  | ng    | 98       |
| 36) 4-Chloro-3-methylphenol   | 8.710  | 107  | 164708   | 51.144  | ng    | 100      |
| 37) 2-Methylnaphthalene       | 8.863  | 142  | 349007   | 52.651  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.963  | 142  | 317721   | 48.899  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.028  | 216  | 170729   | 54.705  | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 9.016  | 237  | 120658   | 163.611 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.145  | 196  | 105437   | 53.840  | ng    | 99       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF112524\  
 Data File : BF140617.D  
 Acq On : 25 Nov 2024 21:37  
 Operator : RC/JU  
 Sample : P4860-09MSD  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

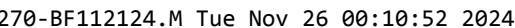
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PH2-BOT-006MSD

Quant Time: Nov 26 00:10:44 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 21 15:23:48 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.192  | 196  | 116157   | 54.653  | ng    | 96       |
| 46) 1,1'-Biphenyl             | 9.328  | 154  | 431505   | 54.213  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.351  | 162  | 320782   | 53.189  | ng    | 99       |
| 48) 2-Nitroaniline            | 9.451  | 65   | 105407   | 54.451  | ng    | 97       |
| 49) Acenaphthylene            | 9.769  | 152  | 524115   | 57.517  | ng    | 100      |
| 50) Dimethylphthalate         | 9.628  | 163  | 379759   | 54.088  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.692  | 165  | 84165    | 52.856  | ng    | 96       |
| 52) Acenaphthene              | 9.939  | 154  | 320800   | 55.406  | ng    | 99       |
| 53) 3-Nitroaniline            | 9.863  | 138  | 48999    | 31.462  | ng    | 97       |
| 54) 2,4-Dinitrophenol         | 9.975  | 184  | 87081    | 103.091 | ng    | 98       |
| 55) Dibenzofuran              | 10.116 | 168  | 481150   | 54.481  | ng    | 100      |
| 56) 4-Nitrophenol             | 10.039 | 139  | 135163   | 127.256 | ng    | 96       |
| 57) 2,4-Dinitrotoluene        | 10.098 | 165  | 118430   | 55.962  | ng    | 96       |
| 58) Fluorene                  | 10.457 | 166  | 389442   | 54.937  | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.234 | 232  | 96535    | 59.100  | ng    | 96       |
| 60) Diethylphthalate          | 10.328 | 149  | 386919   | 54.239  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.445 | 204  | 187664   | 53.944  | ng    | 98       |
| 62) 4-Nitroaniline            | 10.481 | 138  | 89030    | 54.506  | ng    | 96       |
| 63) Azobenzene                | 10.610 | 77   | 449154   | 66.488  | ng    | 91       |
| 65) 4,6-Dinitro-2-methylph... | 10.510 | 198  | 62937    | 55.787  | ng    | 98       |
| 66) n-Nitrosodiphenylamine    | 10.569 | 169  | 328312   | 50.286  | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 10.939 | 248  | 111698   | 49.128  | ng    | 97       |
| 68) Hexachlorobenzene         | 11.004 | 284  | 131725   | 50.035  | ng    | 98       |
| 69) Atrazine                  | 11.092 | 200  | 110232   | 60.017  | ng    | 99       |
| 70) Pentachlorophenol         | 11.204 | 266  | 125226   | 108.076 | ng    | 99       |
| 71) Phenanthrene              | 11.422 | 178  | 560994   | 52.862  | ng    | 99       |
| 72) Anthracene                | 11.475 | 178  | 572845   | 55.183  | ng    | 100      |
| 73) Carbazole                 | 11.628 | 167  | 546630   | 54.737  | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.951 | 149  | 596519   | 51.739  | ng    | 100      |
| 75) Fluoranthene              | 12.616 | 202  | 607954   | 52.763  | ng    | 99       |
| 77) Benzidine                 | 12.733 | 184  | 78892    | 21.255  | ng    | 99       |
| 78) Pyrene                    | 12.845 | 202  | 610200   | 51.695  | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.451 | 149  | 214360   | 50.411  | ng    | 97       |
| 81) Benzo(a)anthracene        | 14.033 | 228  | 442236   | 52.331  | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 13.992 | 252  | 91269    | 35.972  | ng    | 100      |
| 83) Chrysene                  | 14.069 | 228  | 415778   | 53.807  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.010 | 149  | 271841   | 50.628  | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.633 | 149  | 396354   | 54.015  | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.045 | 276  | 420579   | 51.262  | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.098 | 252  | 424891   | 53.731  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.127 | 252  | 337178   | 48.726  | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.474 | 252  | 370925   | 57.690  | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 17.051 | 278  | 341865   | 50.879  | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.492 | 276  | 307059   | 44.783  | ng    | 99       |

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

Quant Time: Nov 26 00:10:44 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Nov 21 15:23:48 2024  
Response via : Initial Calibration

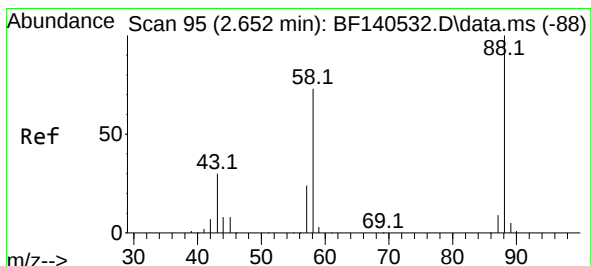
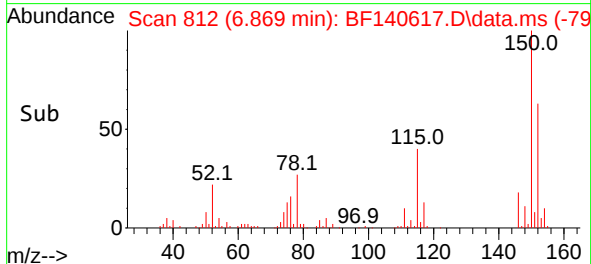
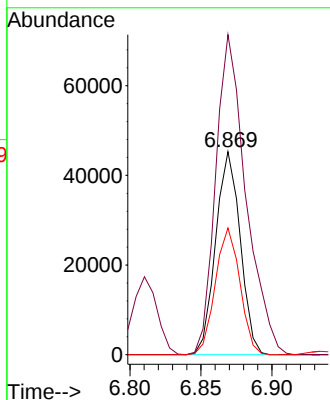
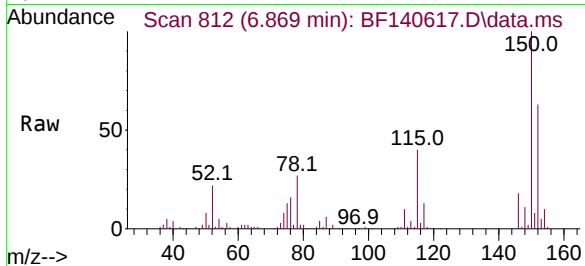




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.869 min Scan# 81  
 Delta R.T. -0.006 min  
 Lab File: BF140617.D  
 Acq: 25 Nov 2024 21:37

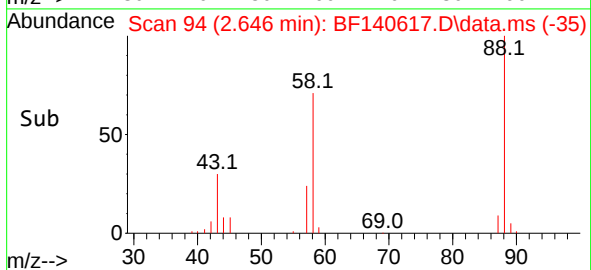
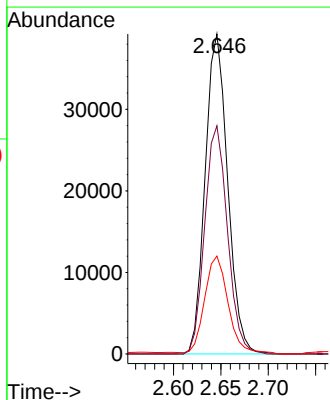
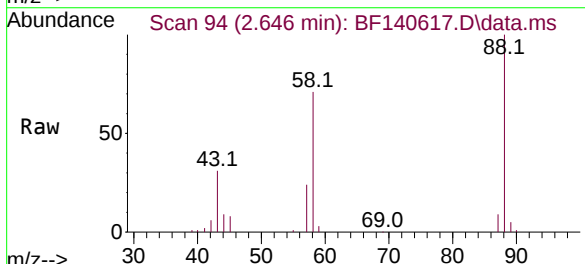
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PH2-BOT-006MSD

Tgt Ion:152 Resp: 54501  
 Ion Ratio Lower Upper  
 152 100  
 150 157.6 128.5 192.7  
 115 62.4 50.2 75.4



#2  
 1,4-Dioxane  
 Concen: 48.223 ng  
 RT: 2.646 min Scan# 94  
 Delta R.T. -0.006 min  
 Lab File: BF140617.D  
 Acq: 25 Nov 2024 21:37

Tgt Ion: 88 Resp: 64765  
 Ion Ratio Lower Upper  
 88 100  
 58 72.0 57.4 86.2  
 43 32.1 24.3 36.5





#3

Pyridine

Concen: 54.411 ng

RT: 3.416 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF140617.D

Acq: 25 Nov 2024 21:37

Instrument :

BNA\_F

ClientSampleId :

PH2-BOT-006MSD

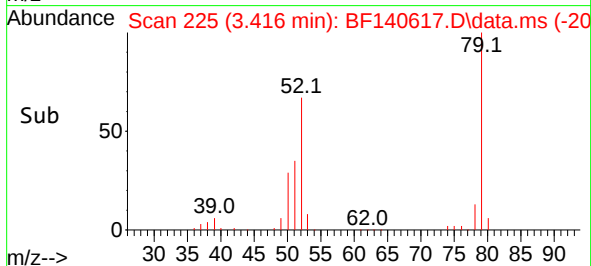
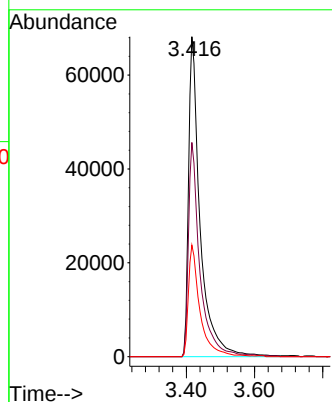
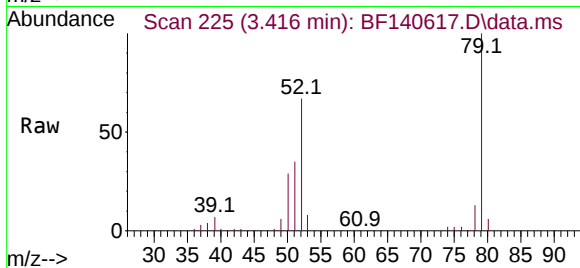
Tgt Ion: 79 Resp: 160781

Ion Ratio Lower Upper

79 100

52 67.0 52.1 78.1

51 34.9 27.8 41.8



#4

n-Nitrosodimethylamine

Concen: 50.601 ng

RT: 3.363 min Scan# 216

Delta R.T. -0.018 min

Lab File: BF140617.D

Acq: 25 Nov 2024 21:37

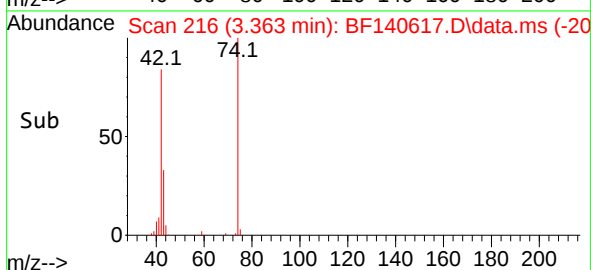
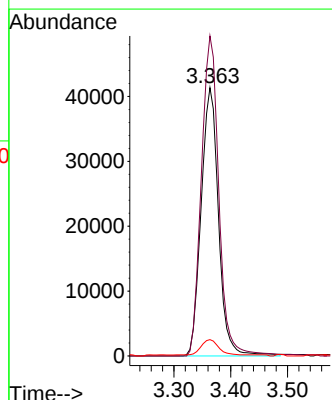
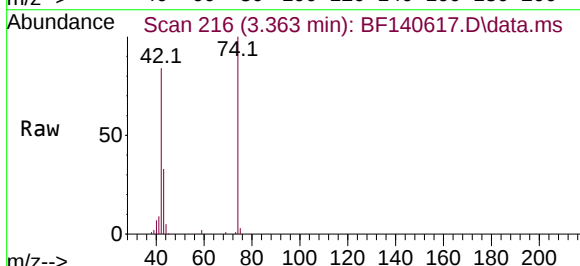
Tgt Ion: 42 Resp: 87880

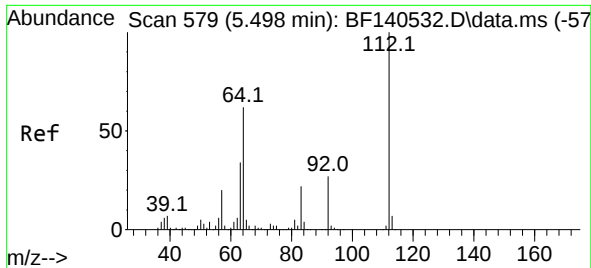
Ion Ratio Lower Upper

42 100

74 119.2 93.8 140.6

44 6.1 4.6 6.8

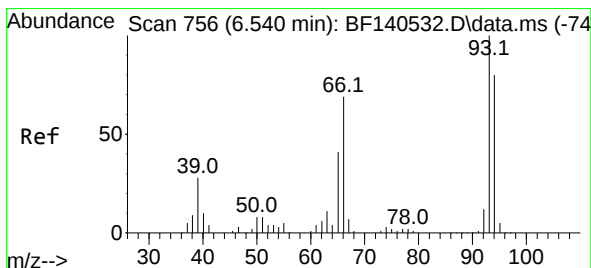
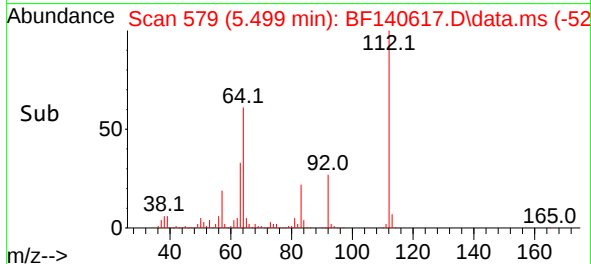
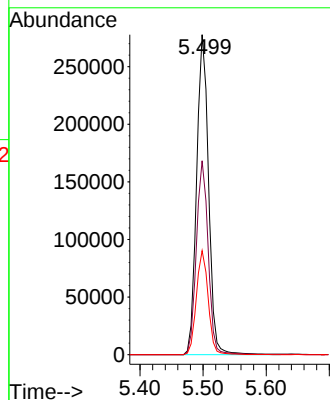
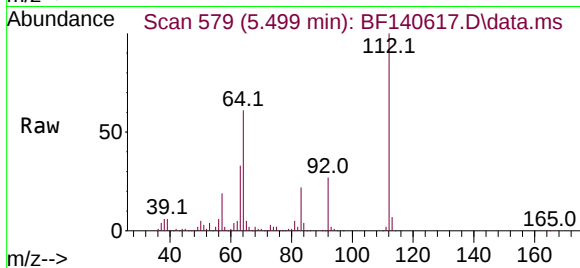




#5  
2-Fluorophenol  
Concen: 114.010 ng  
RT: 5.499 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: BF140617.D  
Acq: 25 Nov 2024 21:37

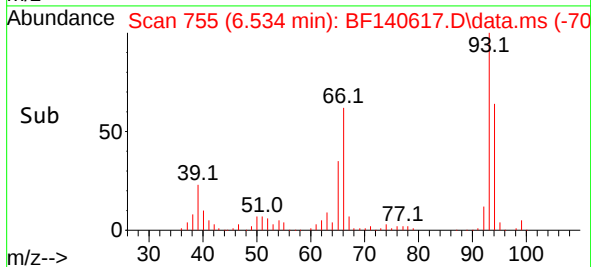
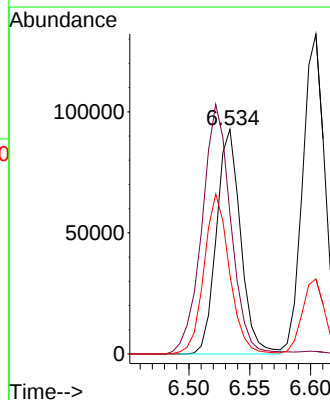
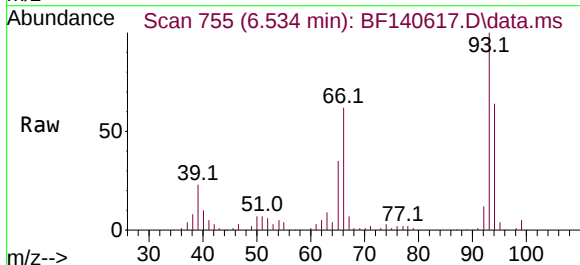
Instrument :  
BNA\_F  
ClientSampleId :  
PH2-BOT-006MSD

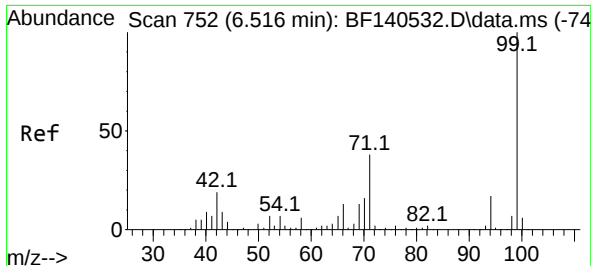
Tgt Ion:112 Resp: 364179  
Ion Ratio Lower Upper  
112 100  
64 60.6 49.2 73.8  
63 32.5 27.0 40.4



#6  
Aniline  
Concen: 43.100 ng  
RT: 6.534 min Scan# 755  
Delta R.T. -0.006 min  
Lab File: BF140617.D  
Acq: 25 Nov 2024 21:37

Tgt Ion: 93 Resp: 128106  
Ion Ratio Lower Upper  
93 100  
66 62.1 56.5 84.7  
65 35.0 32.9 49.3

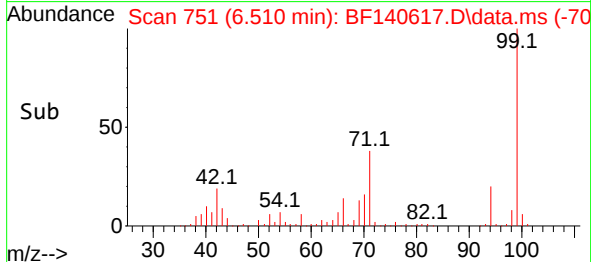
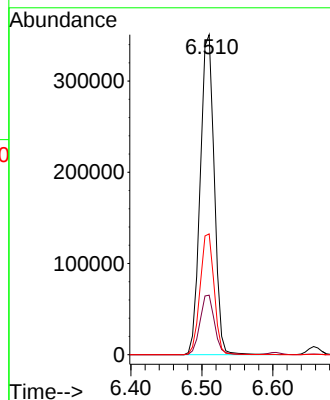
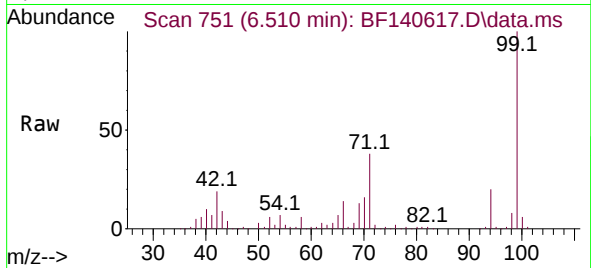




#7  
Phenol-d6  
Concen: 114.218 ng  
RT: 6.510 min Scan# 710  
Delta R.T. -0.006 min  
Lab File: BF140617.D  
Acq: 25 Nov 2024 21:37

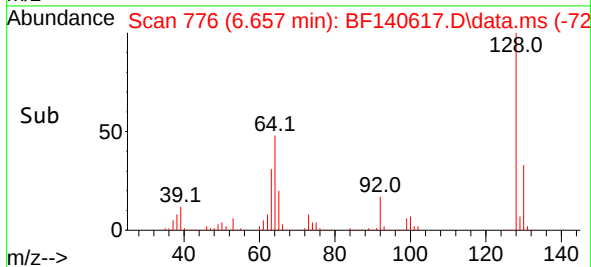
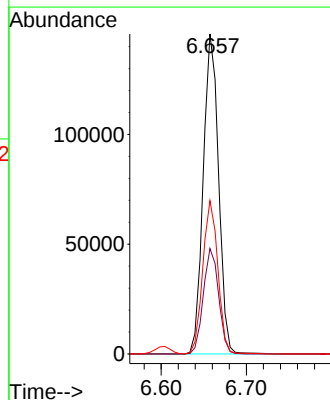
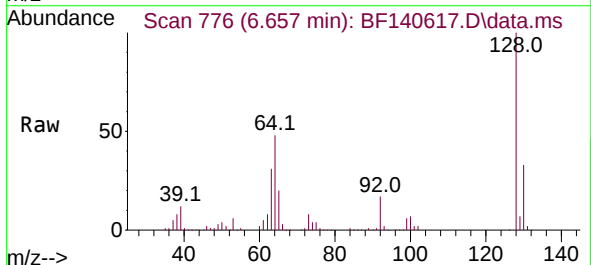
Instrument :  
BNA\_F  
ClientSampleId :  
PH2-BOT-006MSD

Tgt Ion: 99 Resp: 482332  
Ion Ratio Lower Upper  
99 100  
42 18.6 15.4 23.0  
71 37.8 30.6 46.0



#8  
2-Chlorophenol  
Concen: 53.047 ng  
RT: 6.657 min Scan# 776  
Delta R.T. -0.006 min  
Lab File: BF140617.D  
Acq: 25 Nov 2024 21:37

Tgt Ion:128 Resp: 182299  
Ion Ratio Lower Upper  
128 100  
130 33.0 12.3 52.3  
64 47.9 30.2 70.2





#9

Benzaldehyde

Concen: 6.733 ng

RT: 6.422 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF140617.D

Acq: 25 Nov 2024 21:37

Instrument :

BNA\_F

ClientSampleId :

PH2-BOT-006MSD

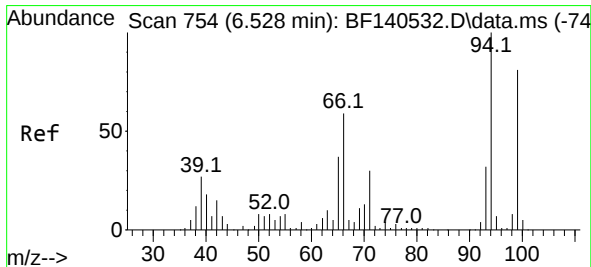
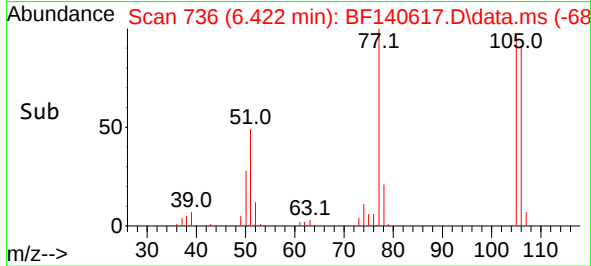
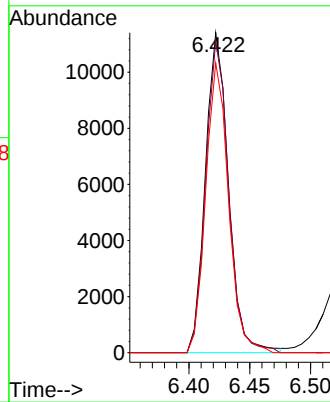
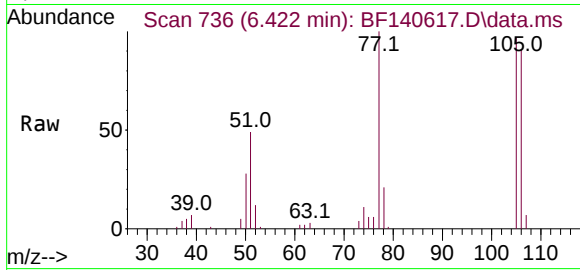
Tgt Ion: 77 Resp: 15051

Ion Ratio Lower Upper

77 100

105 97.3 75.6 115.6

106 90.5 72.0 112.0



#10

Phenol

Concen: 54.490 ng

RT: 6.522 min Scan# 753

Delta R.T. -0.006 min

Lab File: BF140617.D

Acq: 25 Nov 2024 21:37

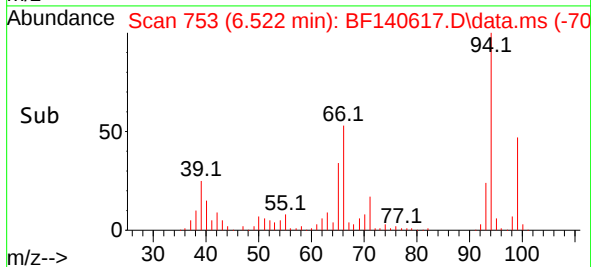
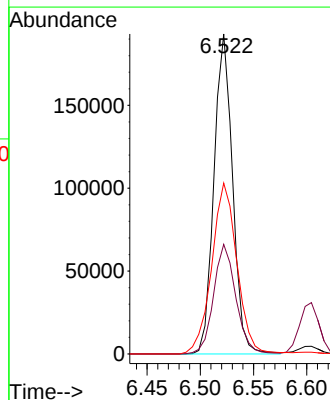
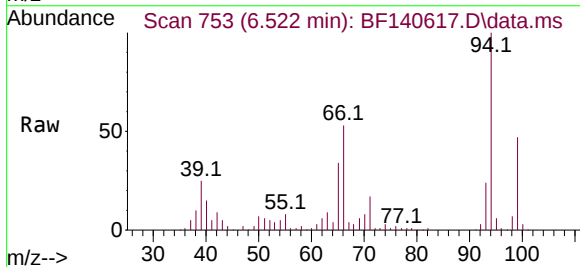
Tgt Ion: 94 Resp: 234998

Ion Ratio Lower Upper

94 100

65 34.2 17.2 57.2

66 53.4 39.2 79.2

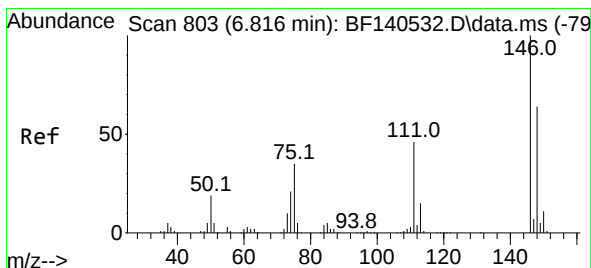
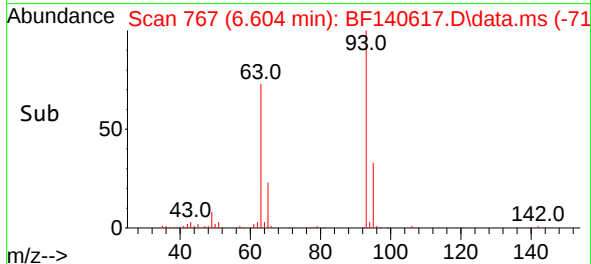
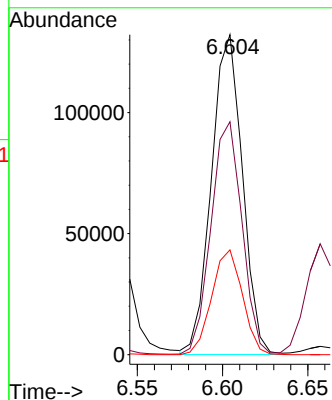
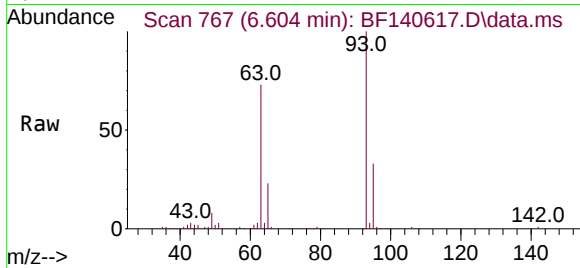




#11  
bis(2-Chloroethyl)ether  
Concen: 50.649 ng  
RT: 6.604 min Scan# 768  
Delta R.T. -0.006 min  
Lab File: BF140617.D  
Acq: 25 Nov 2024 21:37

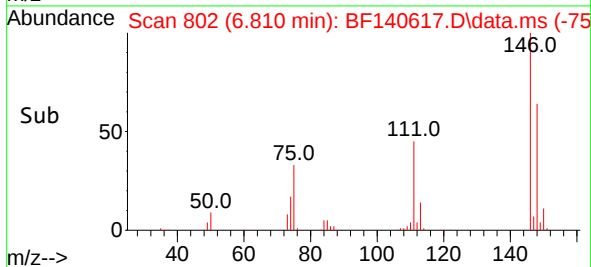
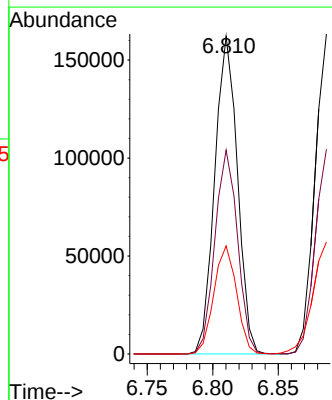
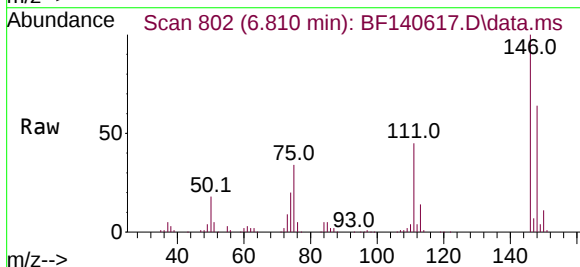
Instrument :  
BNA\_F  
ClientSampleId :  
PH2-BOT-006MSD

Tgt Ion: 93 Resp: 167150  
Ion Ratio Lower Upper  
93 100  
63 72.8 52.8 92.8  
95 32.8 12.3 52.3



#12  
1,3-Dichlorobenzene  
Concen: 50.518 ng  
RT: 6.810 min Scan# 802  
Delta R.T. -0.006 min  
Lab File: BF140617.D  
Acq: 25 Nov 2024 21:37

Tgt Ion:146 Resp: 195075  
Ion Ratio Lower Upper  
146 100  
148 64.1 51.3 76.9  
75 34.0 28.2 42.2

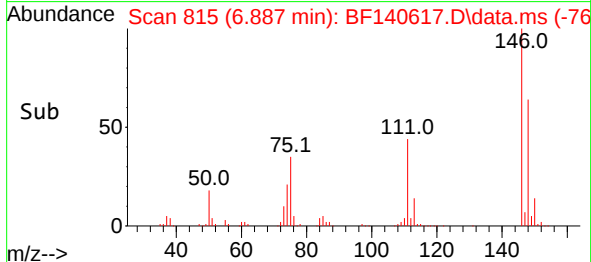
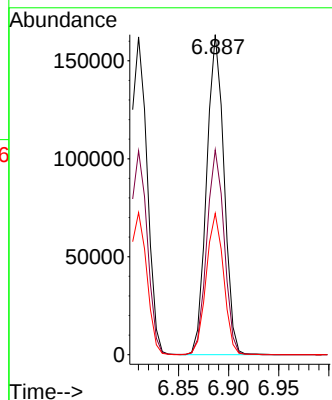
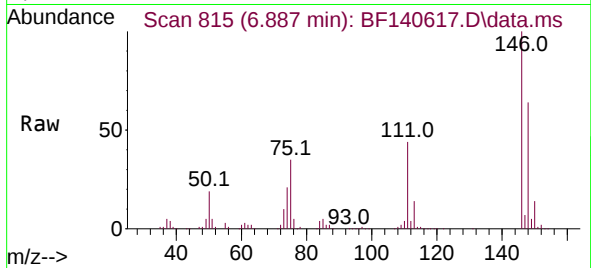




#13  
1,4-Dichlorobenzene  
Concen: 50.576 ng  
RT: 6.887 min Scan# 816  
Delta R.T. -0.006 min  
Lab File: BF140617.D  
Acq: 25 Nov 2024 21:37

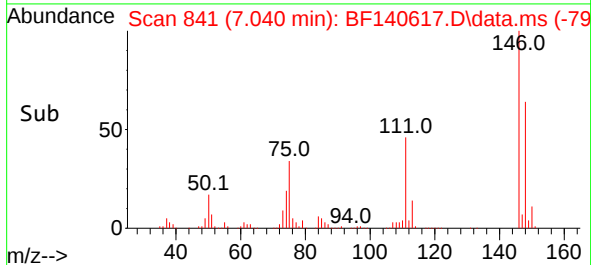
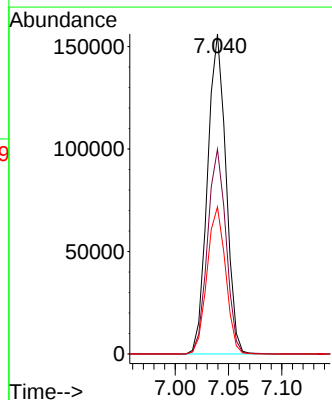
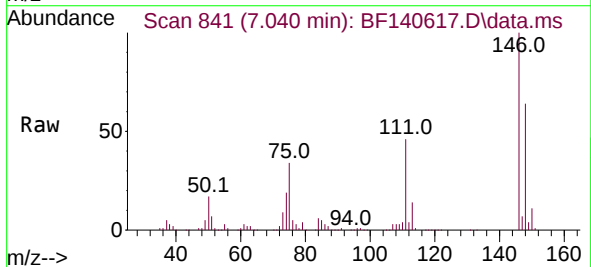
Instrument :  
BNA\_F  
ClientSampleId :  
PH2-BOT-006MSD

Tgt Ion:146 Resp: 197745  
Ion Ratio Lower Upper  
146 100  
148 64.0 51.0 76.6  
111 44.2 35.3 52.9



#14  
1,2-Dichlorobenzene  
Concen: 51.386 ng  
RT: 7.040 min Scan# 841  
Delta R.T. -0.006 min  
Lab File: BF140617.D  
Acq: 25 Nov 2024 21:37

Tgt Ion:146 Resp: 188262  
Ion Ratio Lower Upper  
146 100  
148 64.0 50.5 75.7  
111 46.0 36.7 55.1

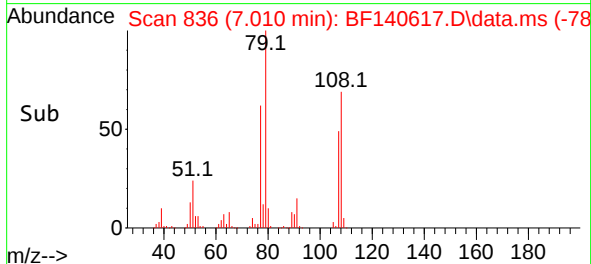
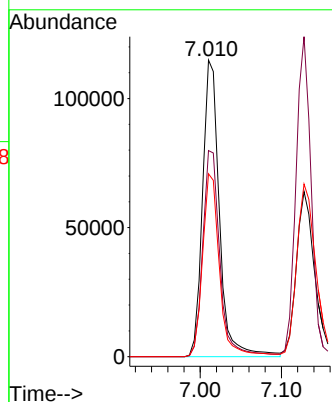
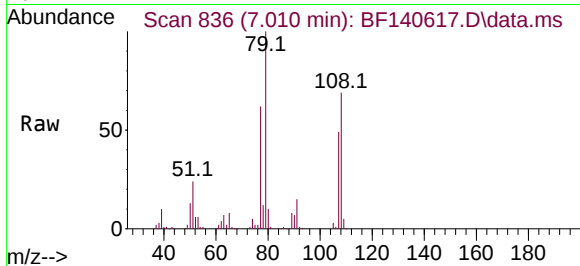




#15  
Benzyl Alcohol  
Concen: 52.997 ng  
RT: 7.010 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF140617.D  
Acq: 25 Nov 2024 21:37

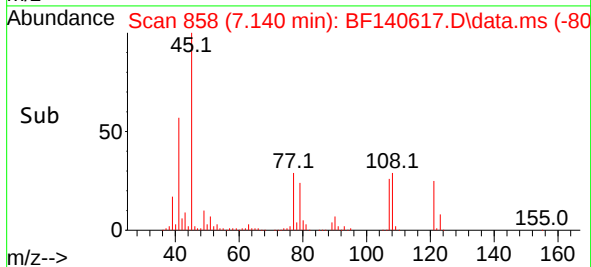
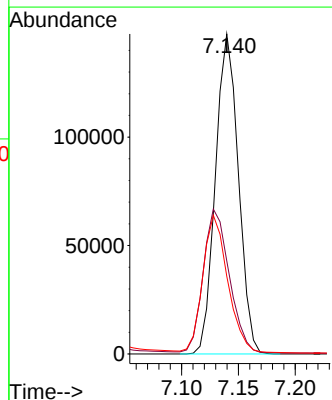
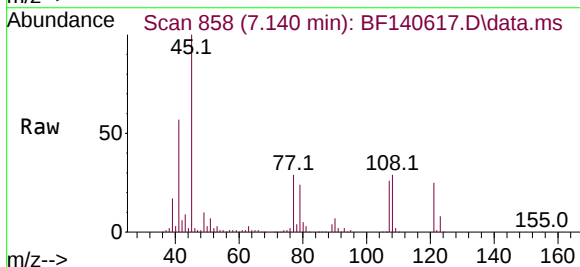
Instrument :  
BNA\_F  
ClientSampleId :  
PH2-BOT-006MSD

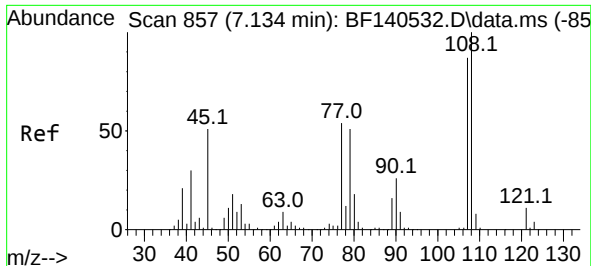
Tgt Ion: 79 Resp: 165969  
Ion Ratio Lower Upper  
79 100  
108 69.5 55.0 82.6  
77 61.7 50.1 75.1



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 53.132 ng  
RT: 7.140 min Scan# 858  
Delta R.T. -0.006 min  
Lab File: BF140617.D  
Acq: 25 Nov 2024 21:37

Tgt Ion: 45 Resp: 207147  
Ion Ratio Lower Upper  
45 100  
77 29.1 10.7 50.7  
79 24.3 7.0 47.0





#17

2-Methylphenol

Concen: 52.511 ng

RT: 7.128 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF140617.D

Acq: 25 Nov 2024 21:37

Instrument :

BNA\_F

ClientSampleId :

PH2-BOT-006MSD

Tgt Ion:107 Resp: 144454

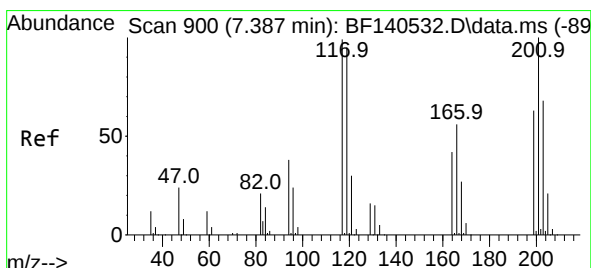
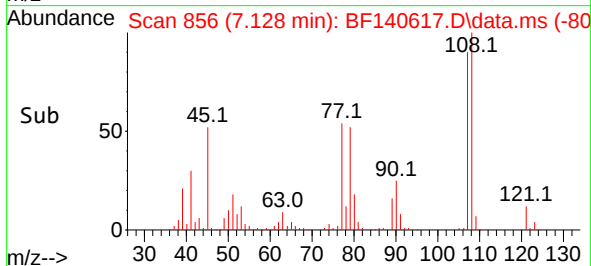
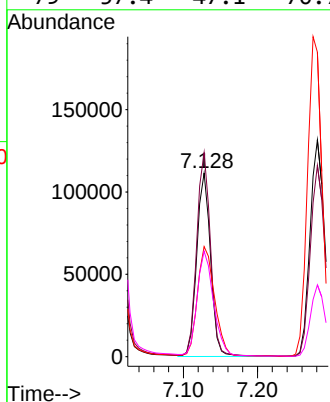
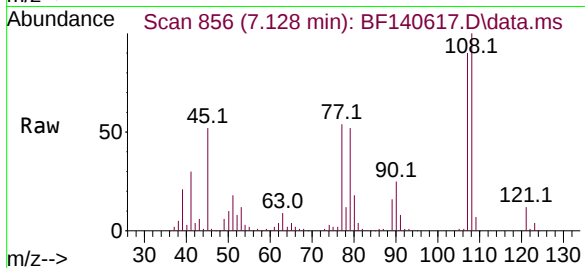
Ion Ratio Lower Upper

107 100

108 111.2 91.7 137.5

77 60.0 49.3 73.9

79 57.4 47.1 70.7



#18

Hexachloroethane

Concen: 50.921 ng

RT: 7.381 min Scan# 899

Delta R.T. -0.006 min

Lab File: BF140617.D

Acq: 25 Nov 2024 21:37

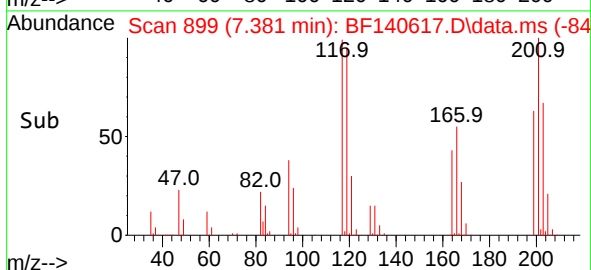
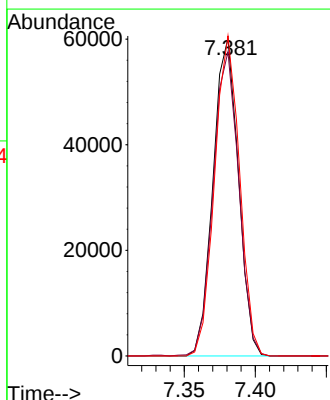
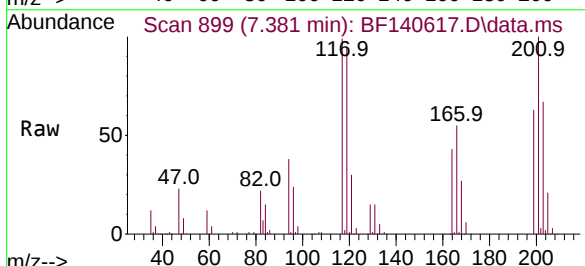
Tgt Ion:117 Resp: 74360

Ion Ratio Lower Upper

117 100

119 95.8 77.1 115.7

201 100.7 81.1 121.7



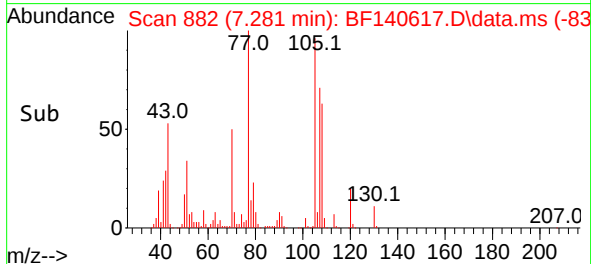
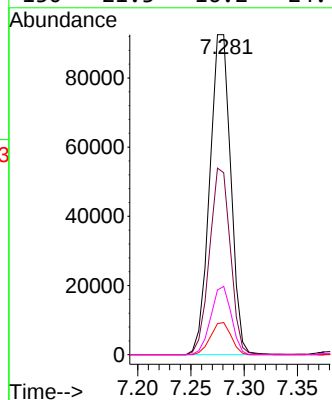
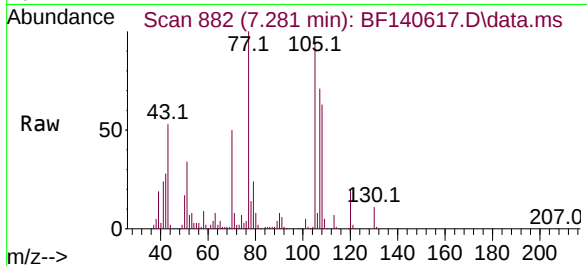


#19  
n-Nitroso-di-n-propylamine  
Concen: 50.917 ng  
RT: 7.281 min Scan# 882  
Delta R.T. -0.006 min  
Lab File: BF140617.D  
Acq: 25 Nov 2024 21:37

Instrument :  
BNA\_F  
ClientSampleId :  
PH2-BOT-006MSD

Tgt Ion: 70 Resp: 127074

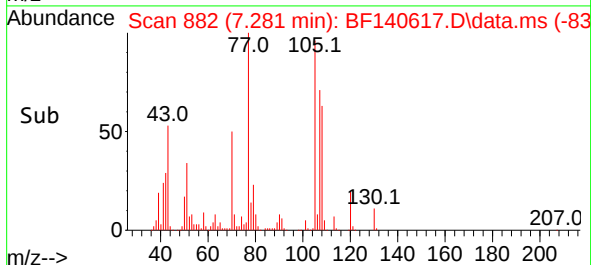
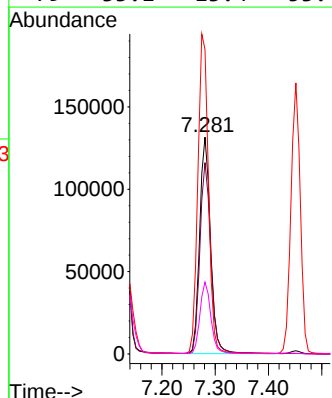
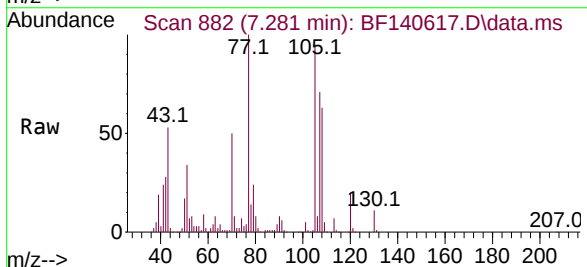
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 56.9  | 47.6  | 71.4  |
| 101 | 10.0  | 7.6   | 11.4  |
| 130 | 21.3  | 16.2  | 24.4  |



#20  
3+4-Methylphenols  
Concen: 52.776 ng  
RT: 7.281 min Scan# 882  
Delta R.T. -0.006 min  
Lab File: BF140617.D  
Acq: 25 Nov 2024 21:37

Tgt Ion: 107 Resp: 186609

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 107 | 100   |       |       |
| 108 | 88.2  | 69.9  | 109.9 |
| 77  | 140.4 | 117.7 | 157.7 |
| 79  | 33.1  | 13.4  | 53.4  |

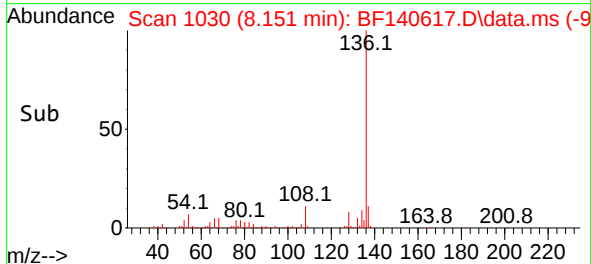
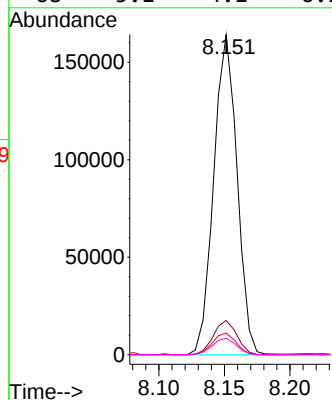
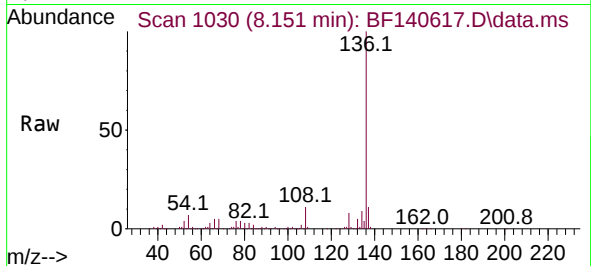




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.151 min Scan# 1031  
Delta R.T. -0.006 min  
Lab File: BF140617.D  
Acq: 25 Nov 2024 21:37

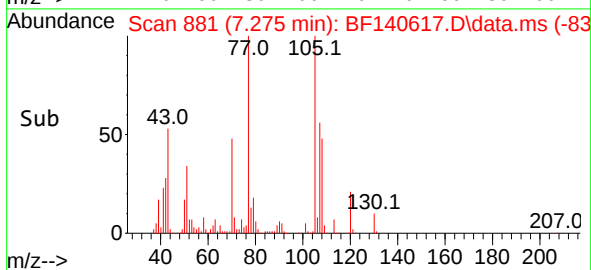
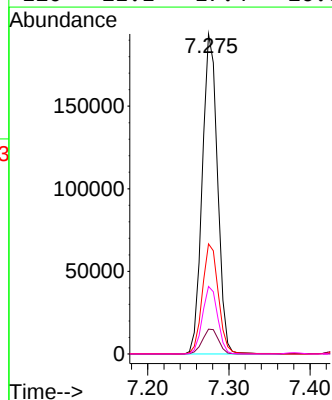
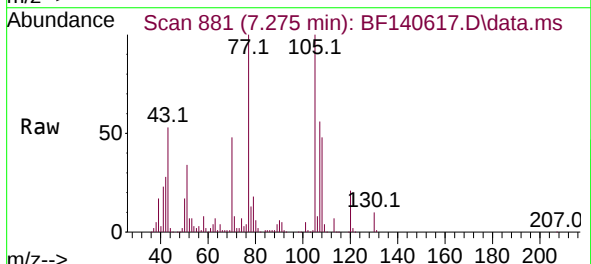
Instrument :  
BNA\_F  
ClientSampleId :  
PH2-BOT-006MSD

|             |              |
|-------------|--------------|
| Tgt Ion:136 | Resp: 202613 |
| Ion Ratio   | Lower Upper  |
| 136 100     |              |
| 137 10.7    | 8.6 13.0     |
| 54 6.8      | 5.8 8.8      |
| 68 5.1      | 4.1 6.1      |



#22  
Acetophenone  
Concen: 51.168 ng  
RT: 7.275 min Scan# 881  
Delta R.T. -0.012 min  
Lab File: BF140617.D  
Acq: 25 Nov 2024 21:37

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:105 | Resp: | 252749 |
| Ion | Ratio   | Lower | Upper  |
| 105 | 100     |       |        |
| 71  | 7.7     | 6.2   | 9.2    |
| 51  | 34.4    | 29.0  | 43.6   |
| 120 | 21.1    | 17.4  | 26.0   |

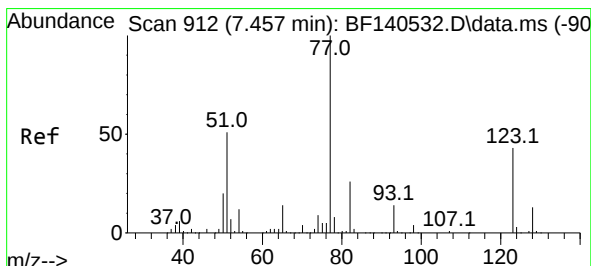
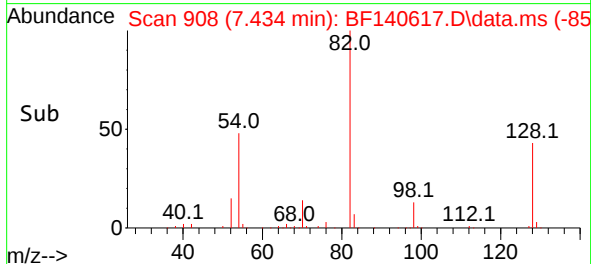
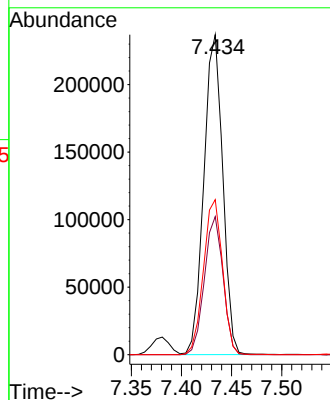
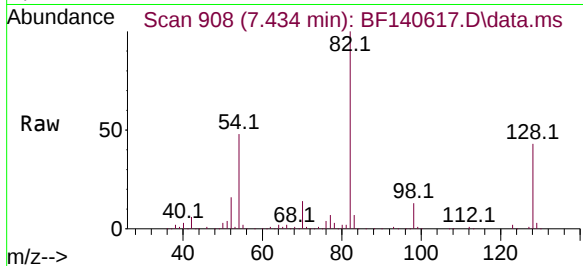




#23  
Nitrobenzene-d5  
Concen: 78.426 ng  
RT: 7.434 min Scan# 909  
Delta R.T. -0.006 min  
Lab File: BF140617.D  
Acq: 25 Nov 2024 21:37

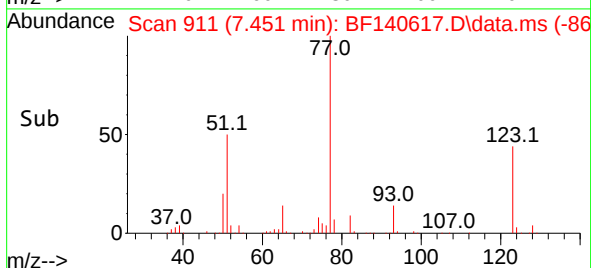
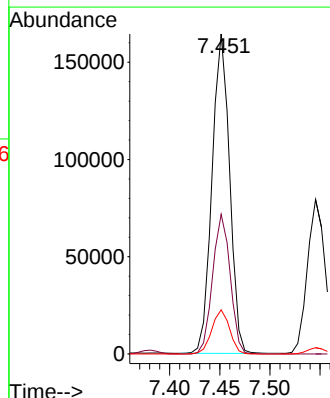
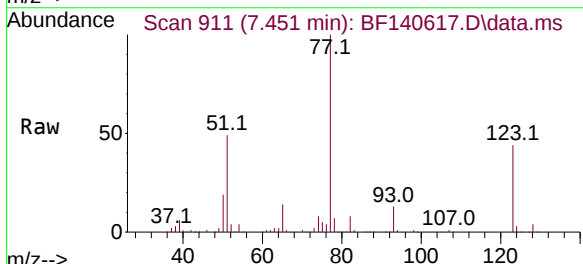
Instrument :  
BNA\_F  
ClientSampleId :  
PH2-BOT-006MSD

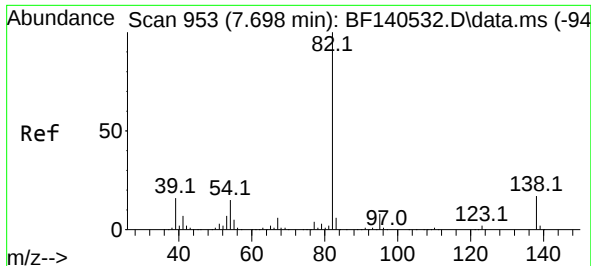
Tgt Ion: 82 Resp: 310654  
Ion Ratio Lower Upper  
82 100  
128 43.2 33.0 49.4  
54 48.5 39.5 59.3



#24  
Nitrobenzene  
Concen: 48.774 ng  
RT: 7.451 min Scan# 911  
Delta R.T. -0.006 min  
Lab File: BF140617.D  
Acq: 25 Nov 2024 21:37

Tgt Ion: 77 Resp: 199678  
Ion Ratio Lower Upper  
77 100  
123 43.7 34.3 51.5  
65 13.8 11.2 16.8

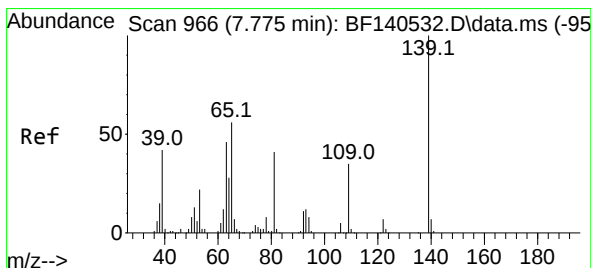
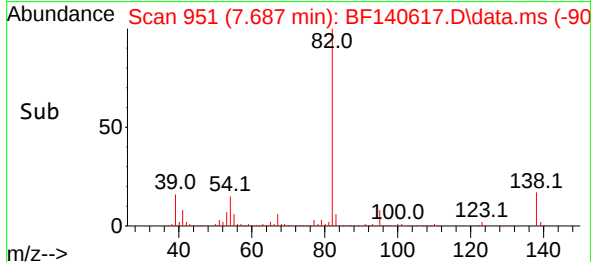
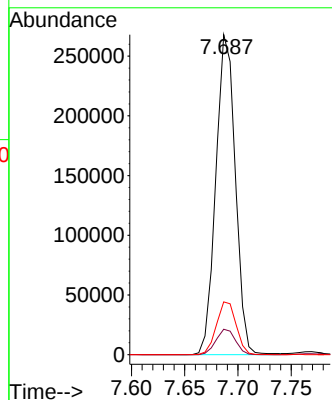
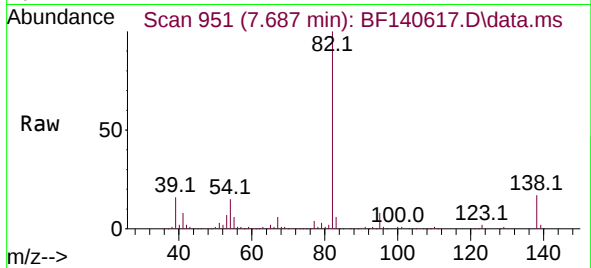




#25  
Isophorone  
Concen: 51.643 ng  
RT: 7.687 min Scan# 91  
Delta R.T. -0.012 min  
Lab File: BF140617.D  
Acq: 25 Nov 2024 21:37

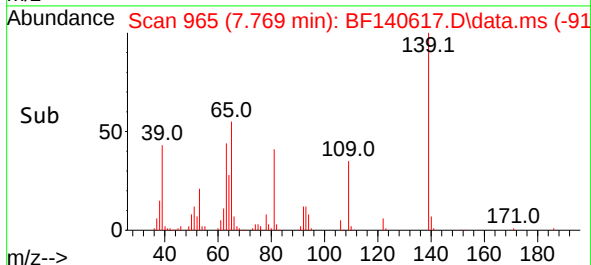
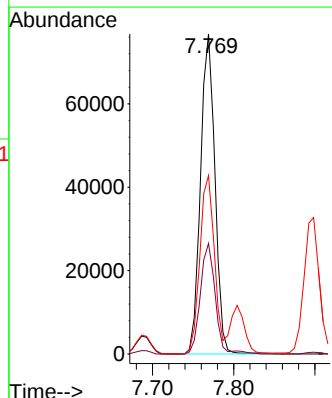
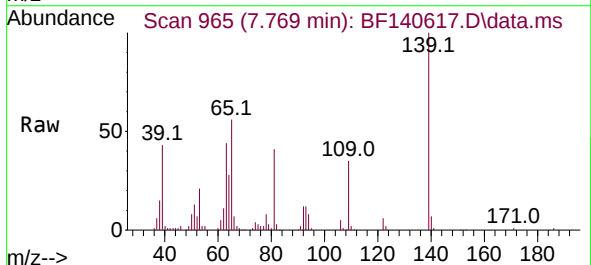
Instrument :  
BNA\_F  
ClientSampleId :  
PH2-BOT-006MSD

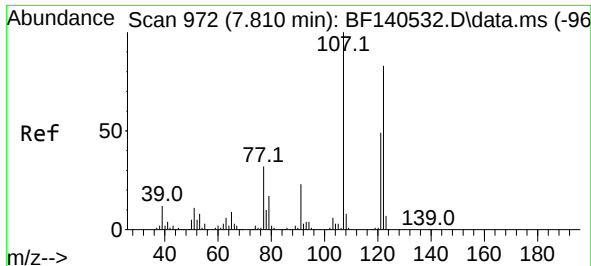
Tgt Ion: 82 Resp: 341198  
Ion Ratio Lower Upper  
82 100  
95 8.0 6.4 9.6  
138 16.5 13.8 20.6



#26  
2-Nitrophenol  
Concen: 52.320 ng  
RT: 7.769 min Scan# 965  
Delta R.T. -0.006 min  
Lab File: BF140617.D  
Acq: 25 Nov 2024 21:37

Tgt Ion:139 Resp: 94922  
Ion Ratio Lower Upper  
139 100  
109 34.6 28.0 42.0  
65 55.8 44.6 67.0





#27

2,4-Dimethylphenol

Concen: 58.018 ng

RT: 7.804 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF140617.D

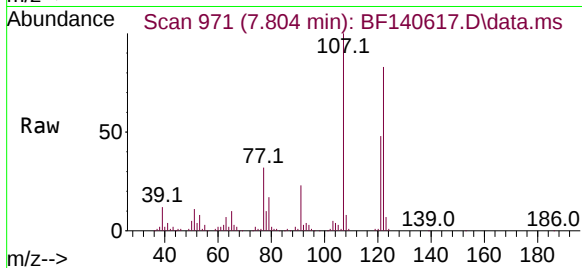
Acq: 25 Nov 2024 21:37

Instrument :

BNA\_F

ClientSampleId :

PH2-BOT-006MSD



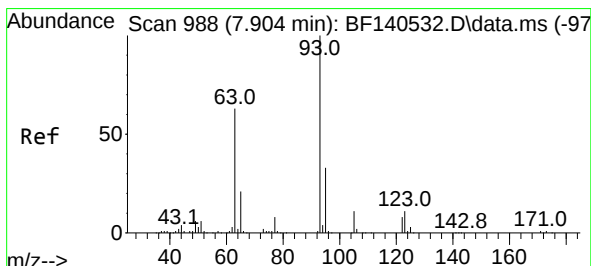
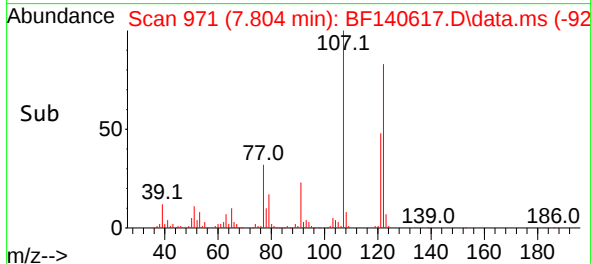
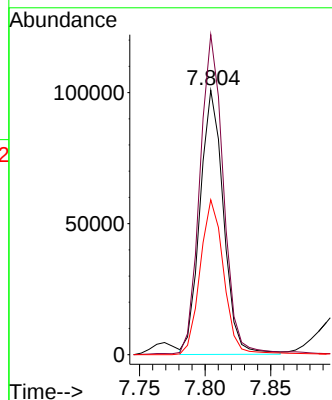
Tgt Ion:122 Resp: 125941

Ion Ratio Lower Upper

122 100

107 121.0 96.8 145.2

121 58.6 47.4 71.0



#28

bis(2-Chloroethoxy)methane

Concen: 50.345 ng

RT: 7.898 min Scan# 987

Delta R.T. -0.006 min

Lab File: BF140617.D

Acq: 25 Nov 2024 21:37

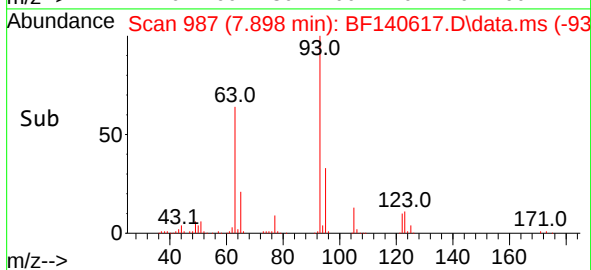
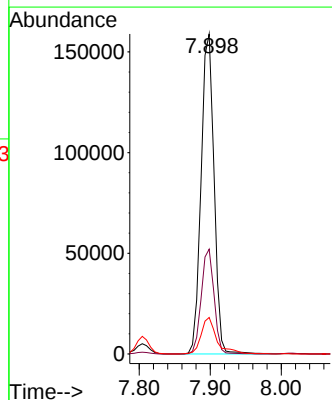
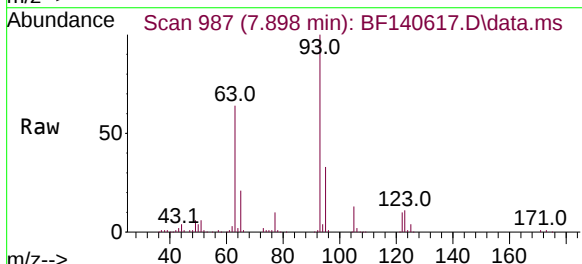
Tgt Ion: 93 Resp: 202636

Ion Ratio Lower Upper

93 100

95 32.7 26.1 39.1

123 11.4 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 52.647 ng

RT: 8.016 min Scan# 1007

Delta R.T. 0.000 min

Lab File: BF140617.D

Acq: 25 Nov 2024 21:37

Instrument :

BNA\_F

ClientSampleId :

PH2-BOT-006MSD

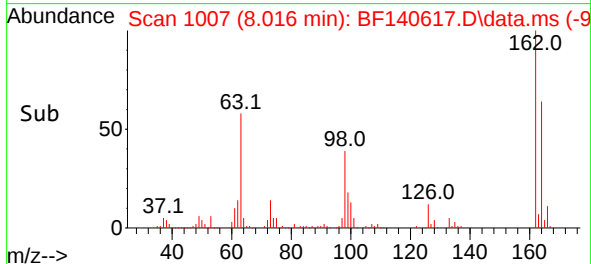
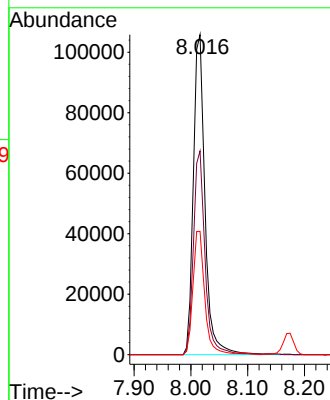
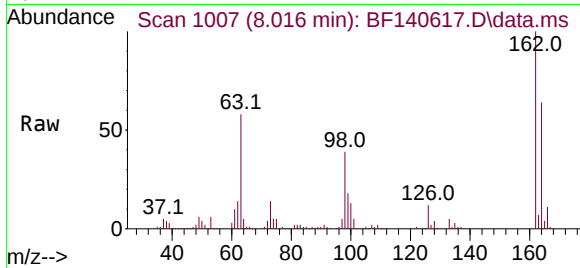
Tgt Ion:162 Resp: 151432

Ion Ratio Lower Upper

162 100

164 63.7 44.8 84.8

98 38.5 21.2 61.2



#30

1,2,4-Trichlorobenzene

Concen: 48.994 ng

RT: 8.092 min Scan# 1020

Delta R.T. -0.006 min

Lab File: BF140617.D

Acq: 25 Nov 2024 21:37

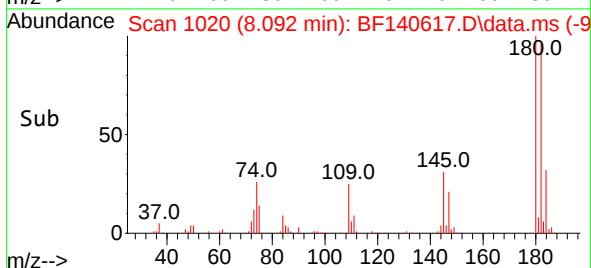
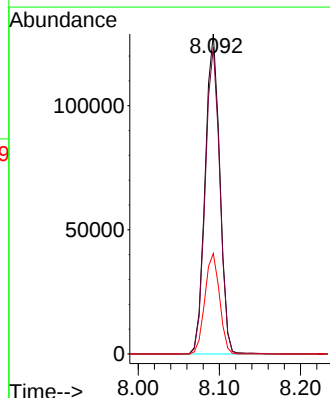
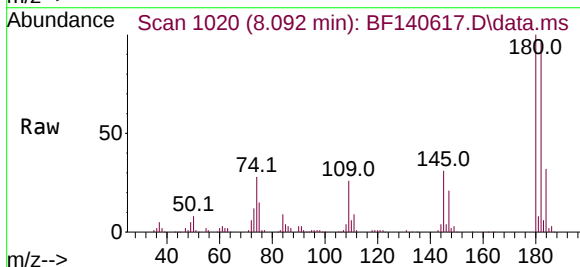
Tgt Ion:180 Resp: 160905

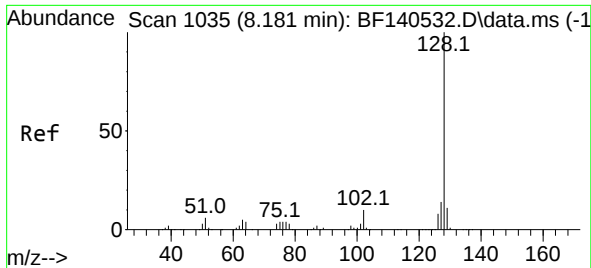
Ion Ratio Lower Upper

180 100

182 95.8 76.4 114.6

145 31.4 25.9 38.9

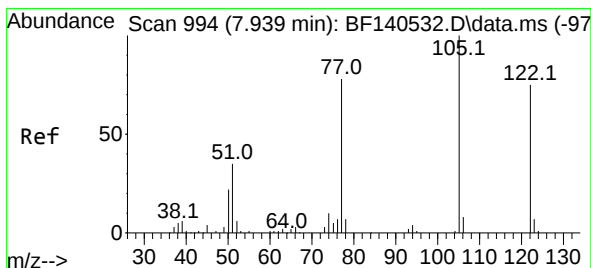
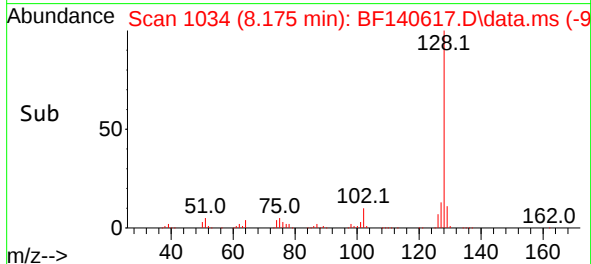
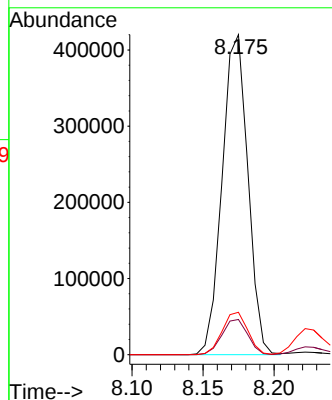
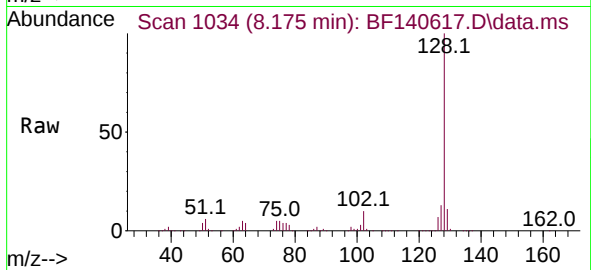




#31  
Naphthalene  
Concen: 50.721 ng  
RT: 8.175 min Scan# 1034  
Delta R.T. -0.006 min  
Lab File: BF140617.D  
Acq: 25 Nov 2024 21:37

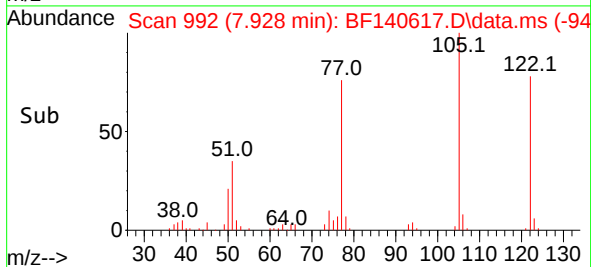
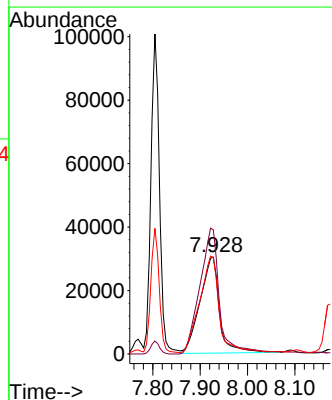
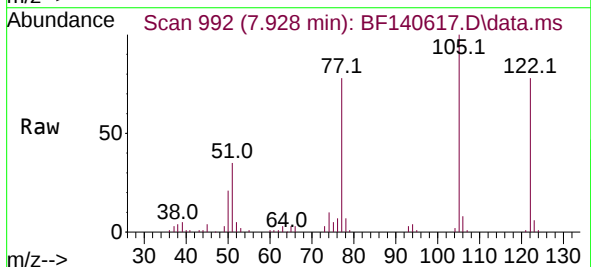
Instrument :  
BNA\_F  
ClientSampleId :  
PH2-BOT-006MSD

Tgt Ion:128 Resp: 529338  
Ion Ratio Lower Upper  
128 100  
129 11.0 8.6 13.0  
127 13.2 10.8 16.2



#32  
Benzoic acid  
Concen: 46.143 ng  
RT: 7.928 min Scan# 992  
Delta R.T. -0.011 min  
Lab File: BF140617.D  
Acq: 25 Nov 2024 21:37

Tgt Ion:122 Resp: 86545  
Ion Ratio Lower Upper  
122 100  
105 128.2 109.3 149.3  
77 99.6 82.3 122.3

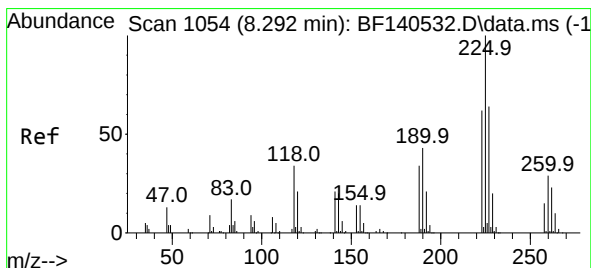
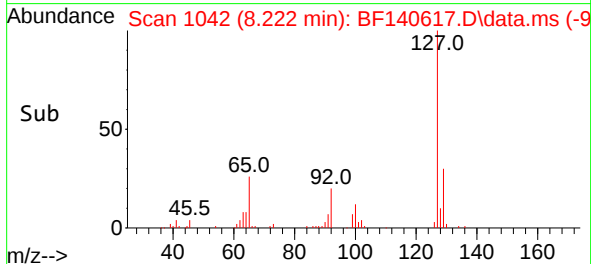
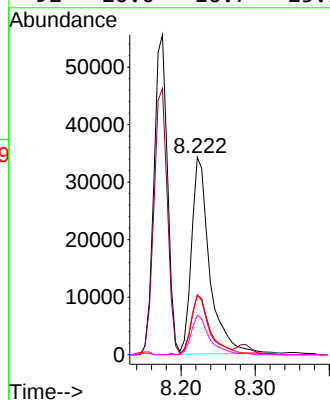
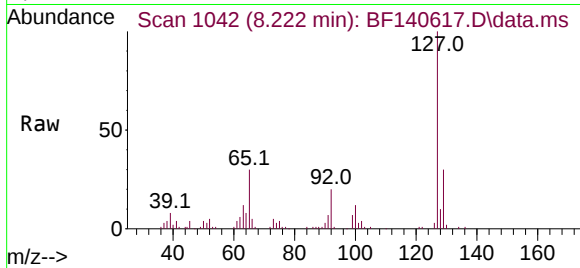




#33  
4-Chloroaniline  
Concen: 18.583 ng  
RT: 8.222 min Scan# 1042  
Delta R.T. -0.006 min  
Lab File: BF140617.D  
Acq: 25 Nov 2024 21:37

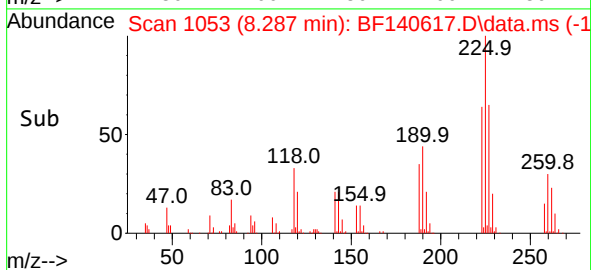
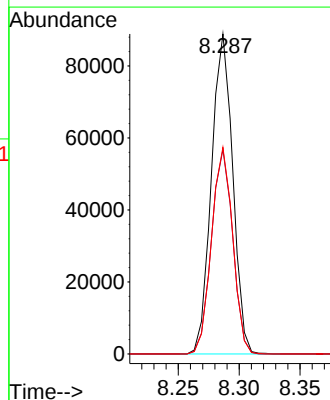
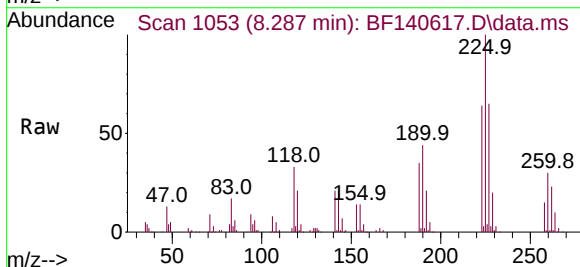
Instrument :  
BNA\_F  
ClientSampleId :  
PH2-BOT-006MSD

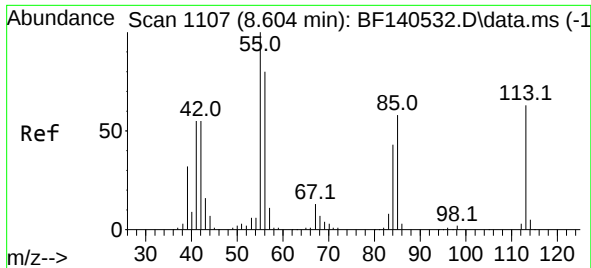
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 127   | Resp: | 58067 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 30.2  | 26.0  | 39.0  |
| 65       | 30.3  | 26.0  | 39.0  |
| 92       | 20.0  | 16.7  | 25.1  |



#34  
Hexachlorobutadiene  
Concen: 49.624 ng  
RT: 8.287 min Scan# 1053  
Delta R.T. -0.006 min  
Lab File: BF140617.D  
Acq: 25 Nov 2024 21:37

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 107947 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 63.9  | 49.8  | 74.8   |
| 227      | 64.5  | 51.3  | 76.9   |

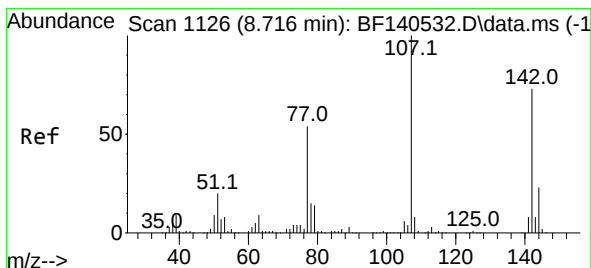
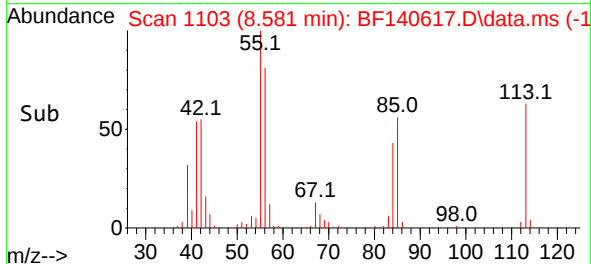
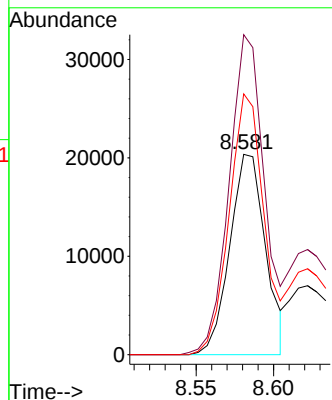
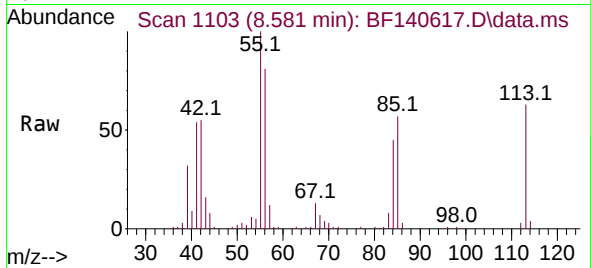




#35  
Caprolactam  
Concen: 36.556 ng  
RT: 8.581 min Scan# 1103  
Delta R.T. -0.023 min  
Lab File: BF140617.D  
Acq: 25 Nov 2024 21:37

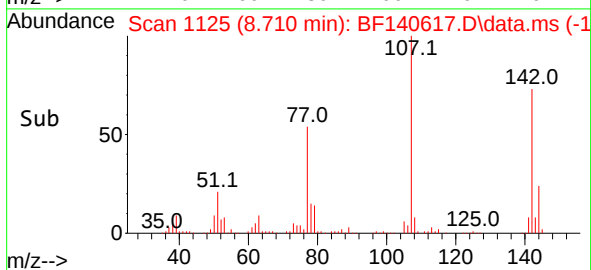
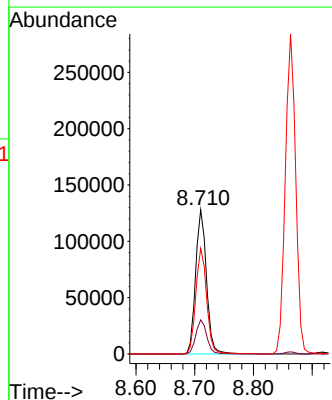
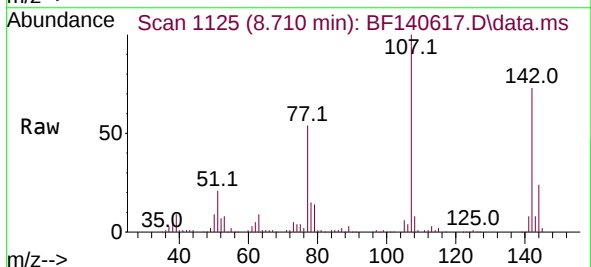
Instrument :  
BNA\_F  
ClientSampleId :  
PH2-BOT-006MSD

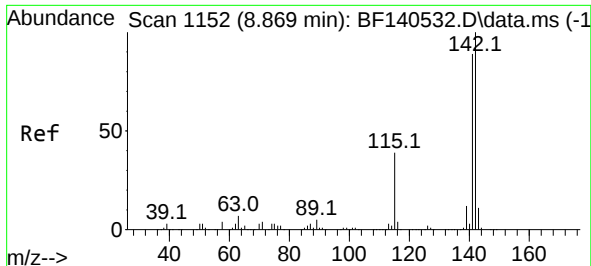
Tgt Ion:113 Resp: 32540  
Ion Ratio Lower Upper  
113 100  
55 159.7 137.7 177.7  
56 130.1 106.4 146.4



#36  
4-Chloro-3-methylphenol  
Concen: 51.144 ng  
RT: 8.710 min Scan# 1125  
Delta R.T. -0.006 min  
Lab File: BF140617.D  
Acq: 25 Nov 2024 21:37

Tgt Ion:107 Resp: 164708  
Ion Ratio Lower Upper  
107 100  
144 23.7 18.7 28.1  
142 73.3 58.3 87.5





#37

2-Methylnaphthalene

Concen: 52.651 ng

RT: 8.863 min Scan# 1151

Delta R.T. -0.006 min

Lab File: BF140617.D

Acq: 25 Nov 2024 21:37

Instrument :

BNA\_F

ClientSampleId :

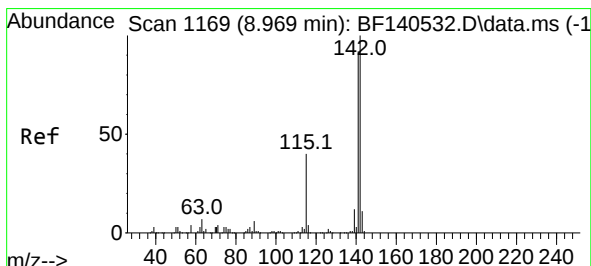
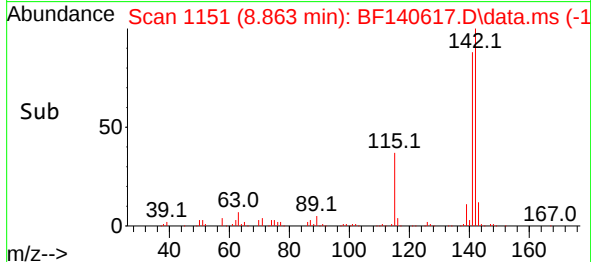
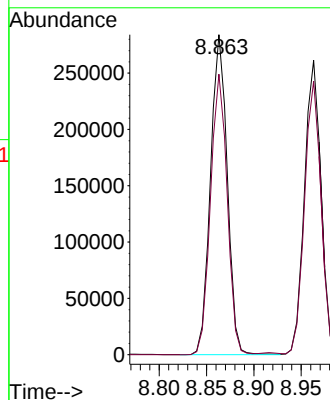
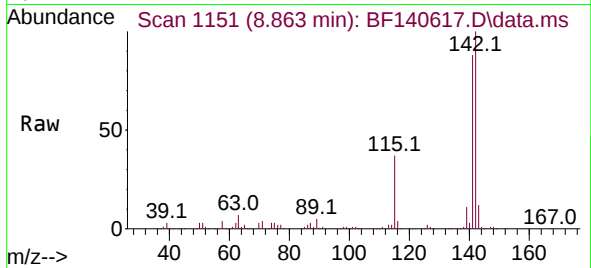
PH2-BOT-006MSD

Tgt Ion:142 Resp: 349007

Ion Ratio Lower Upper

142 100

141 87.7 71.0 106.6



#38

1-Methylnaphthalene

Concen: 48.899 ng

RT: 8.963 min Scan# 1168

Delta R.T. -0.006 min

Lab File: BF140617.D

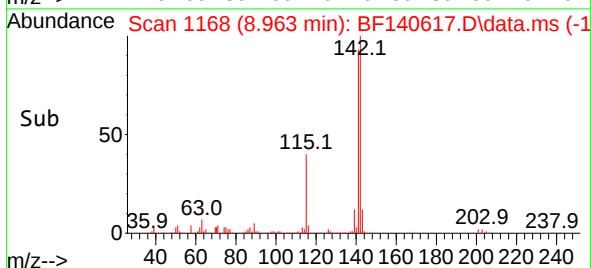
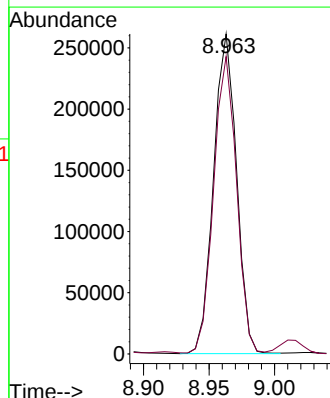
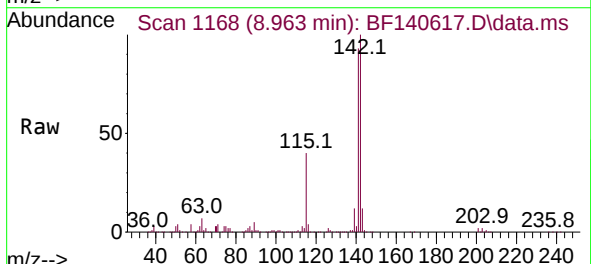
Acq: 25 Nov 2024 21:37

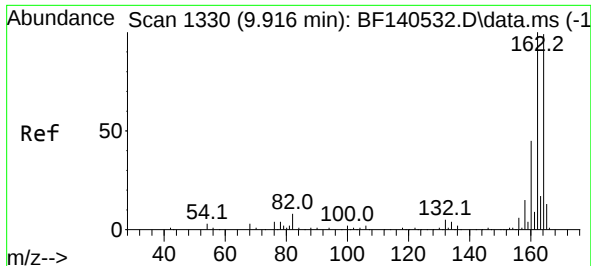
Tgt Ion:142 Resp: 317721

Ion Ratio Lower Upper

142 100

141 93.0 73.3 109.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.904 min Scan# 1179

Delta R.T. -0.012 min

Lab File: BF140617.D

Acq: 25 Nov 2024 21:37

Instrument :

BNA\_F

ClientSampleId :

PH2-BOT-006MSD

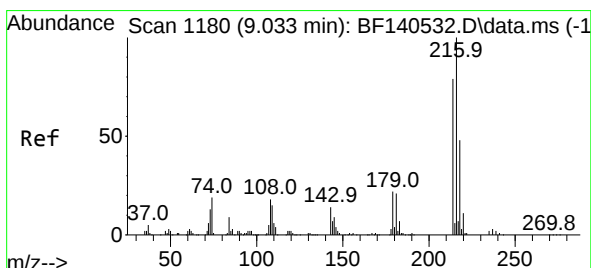
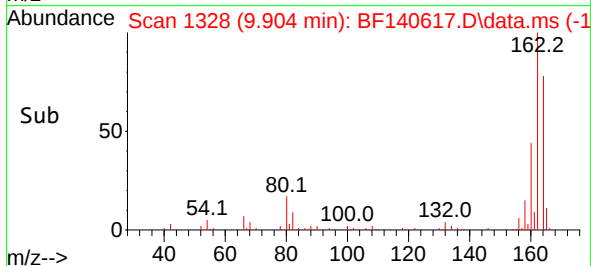
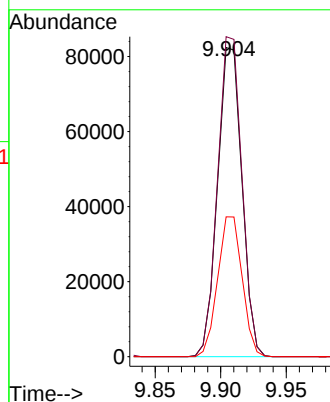
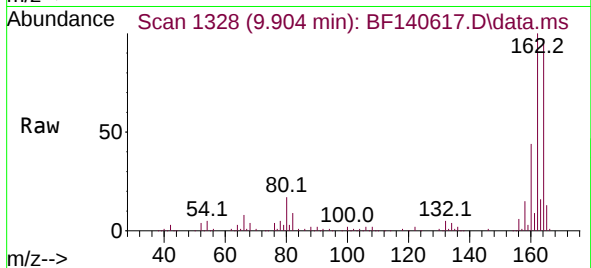
Tgt Ion:164 Resp: 106607

Ion Ratio Lower Upper

164 100

162 103.5 80.6 120.8

160 45.2 36.2 54.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 54.705 ng

RT: 9.028 min Scan# 1179

Delta R.T. -0.006 min

Lab File: BF140617.D

Acq: 25 Nov 2024 21:37

Tgt Ion:216 Resp: 170729

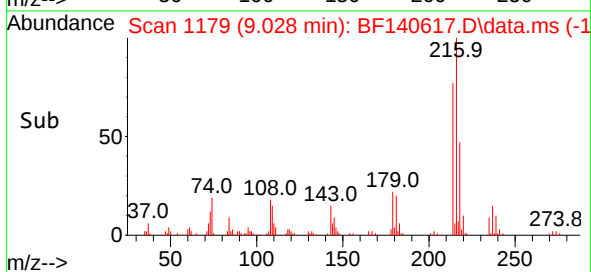
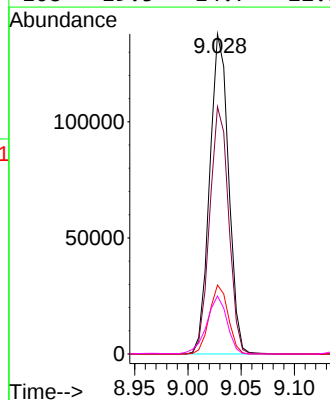
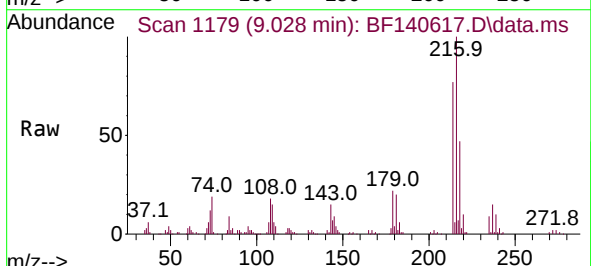
Ion Ratio Lower Upper

216 100

214 77.1 63.0 94.4

179 21.4 17.5 26.3

108 19.5 14.7 22.1

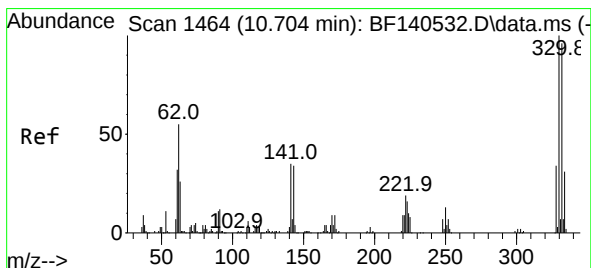
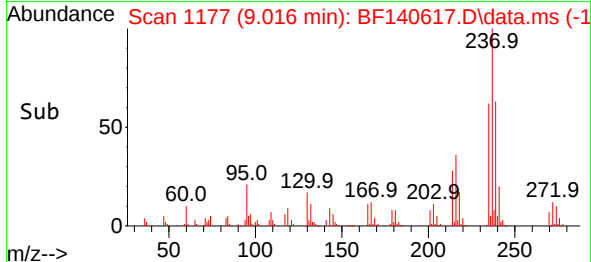
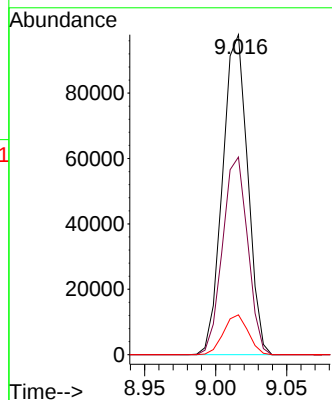
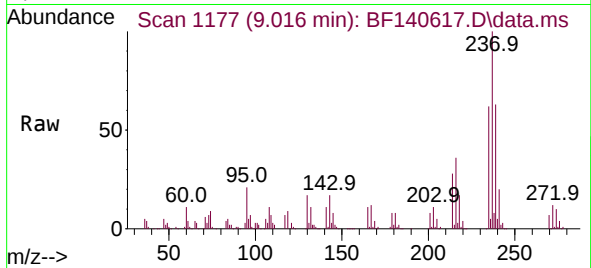




#41  
Hexachlorocyclopentadiene  
Concen: 163.611 ng  
RT: 9.016 min Scan# 1177  
Delta R.T. -0.000 min  
Lab File: BF140617.D  
Acq: 25 Nov 2024 21:37

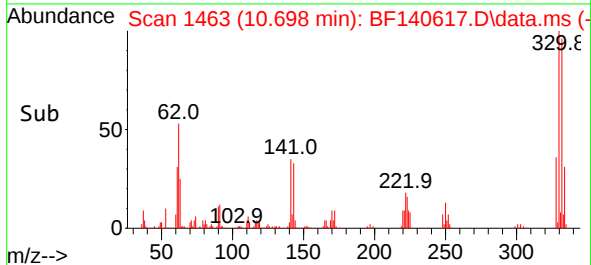
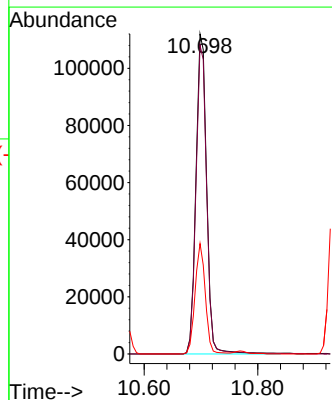
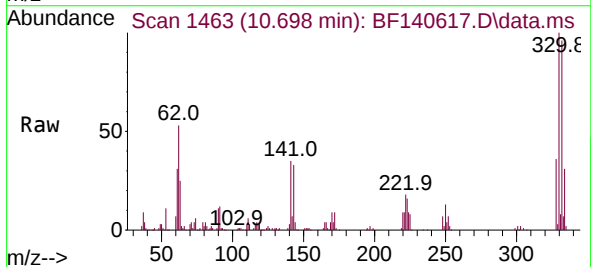
Instrument :  
BNA\_F  
ClientSampleId :  
PH2-BOT-006MSD

Tgt Ion:237 Resp: 120658  
Ion Ratio Lower Upper  
237 100  
235 61.7 41.1 81.1  
272 12.4 0.0 32.6



#42  
2,4,6-Tribromophenol  
Concen: 129.605 ng  
RT: 10.698 min Scan# 1463  
Delta R.T. -0.006 min  
Lab File: BF140617.D  
Acq: 25 Nov 2024 21:37

Tgt Ion:330 Resp: 147772  
Ion Ratio Lower Upper  
330 100  
332 96.2 76.9 115.3  
141 33.0 26.7 40.1





#43

2,4,6-Trichlorophenol

Concen: 53.840 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF140617.D

Acq: 25 Nov 2024 21:37

Instrument :

BNA\_F

ClientSampleId :

PH2-BOT-006MSD

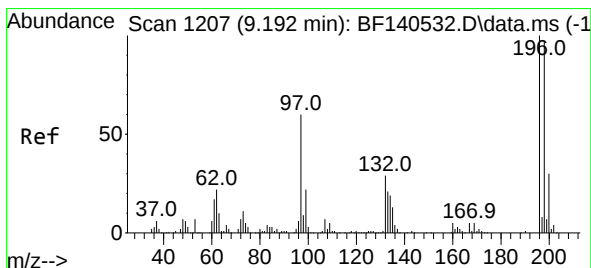
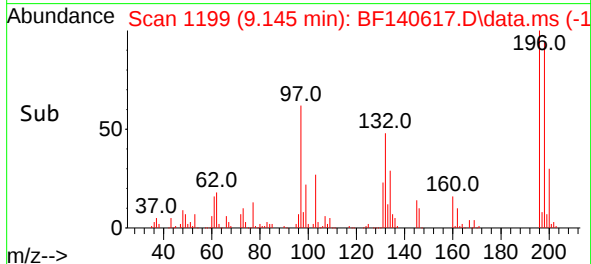
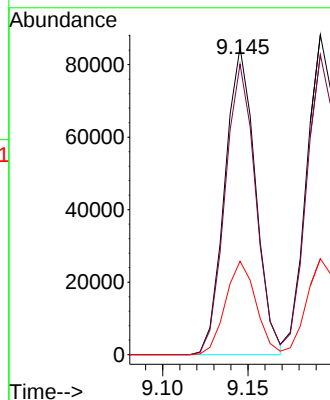
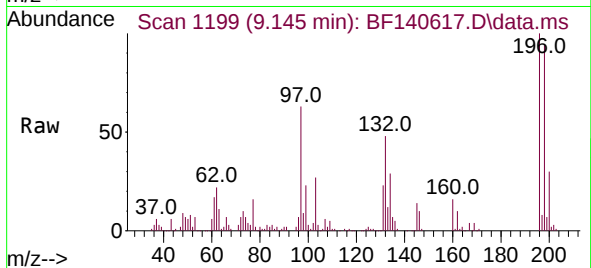
Tgt Ion:196 Resp: 105437

Ion Ratio Lower Upper

196 100

198 94.4 76.8 115.2

200 30.4 24.3 36.5



#44

2,4,5-Trichlorophenol

Concen: 54.653 ng

RT: 9.192 min Scan# 1207

Delta R.T. 0.000 min

Lab File: BF140617.D

Acq: 25 Nov 2024 21:37

Tgt Ion:196 Resp: 116157

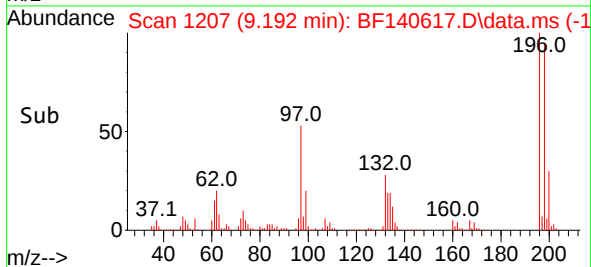
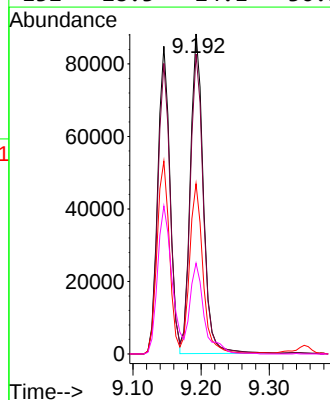
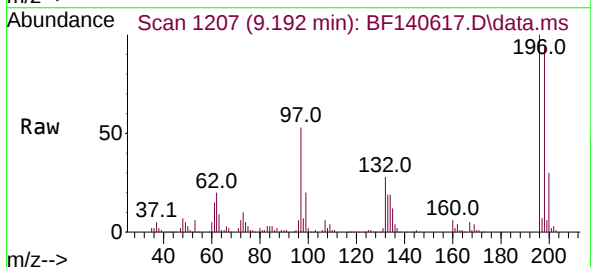
Ion Ratio Lower Upper

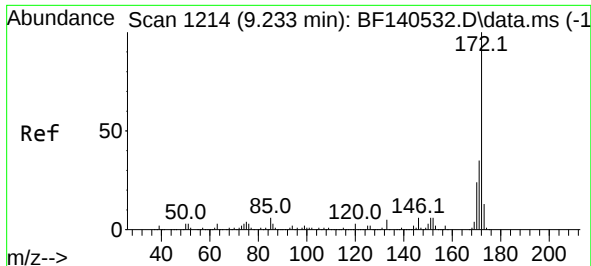
196 100

198 93.8 77.2 115.8

97 53.2 47.1 70.7

132 28.3 24.1 36.1





#45

2-Fluorobiphenyl

Concen: 84.750 ng

RT: 9.222 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF140617.D

Acq: 25 Nov 2024 21:37

Instrument :

BNA\_F

ClientSampleId :

PH2-BOT-006MSD

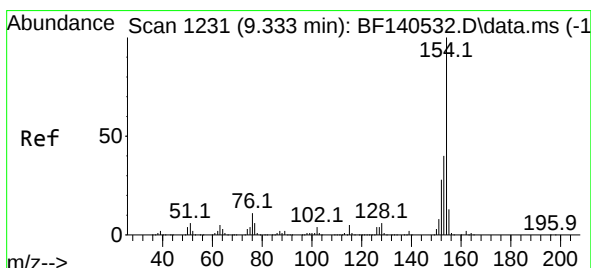
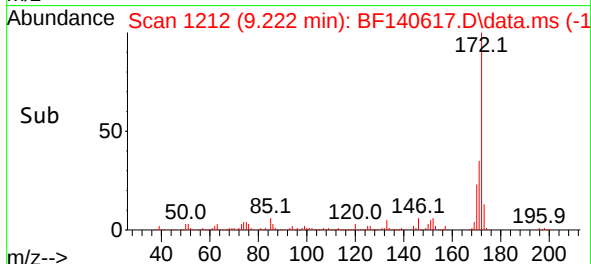
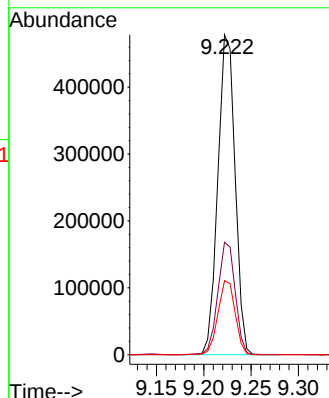
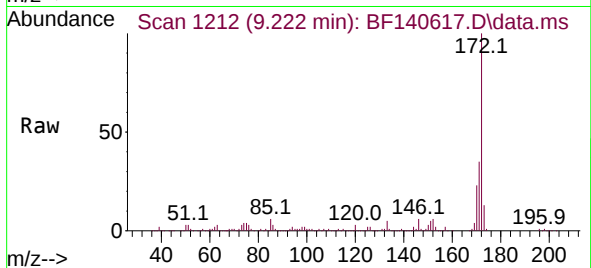
Tgt Ion:172 Resp: 606393

Ion Ratio Lower Upper

172 100

171 35.1 28.4 42.6

170 23.2 19.0 28.6



#46

1,1'-Biphenyl

Concen: 54.213 ng

RT: 9.328 min Scan# 1230

Delta R.T. -0.006 min

Lab File: BF140617.D

Acq: 25 Nov 2024 21:37

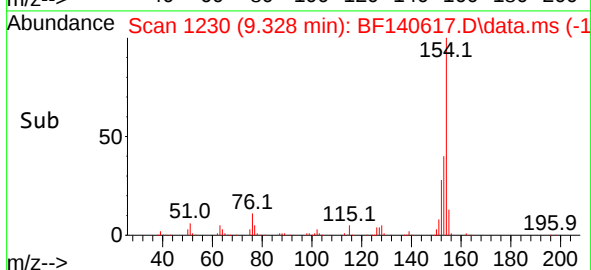
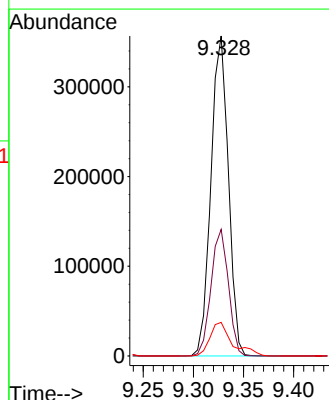
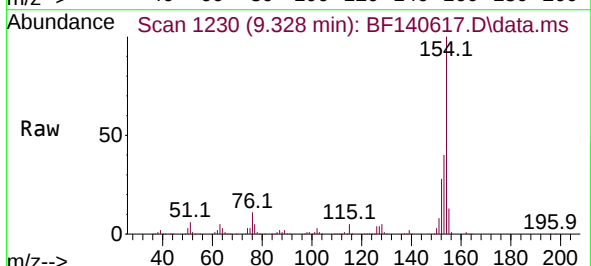
Tgt Ion:154 Resp: 431505

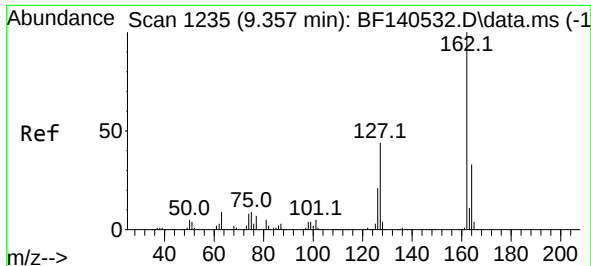
Ion Ratio Lower Upper

154 100

153 39.6 20.4 60.4

76 10.5 0.0 31.2





#47

2-Chloronaphthalene

Concen: 53.189 ng

RT: 9.351 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140617.D

Acq: 25 Nov 2024 21:37

Instrument :

BNA\_F

ClientSampleId :

PH2-BOT-006MSD

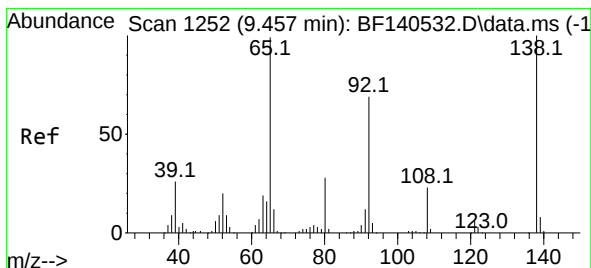
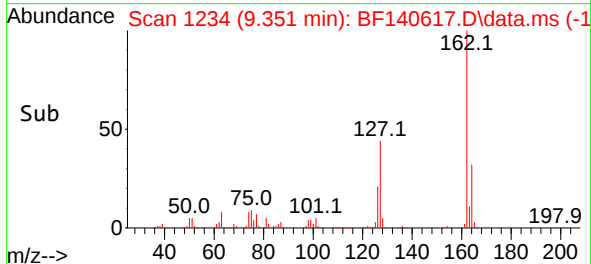
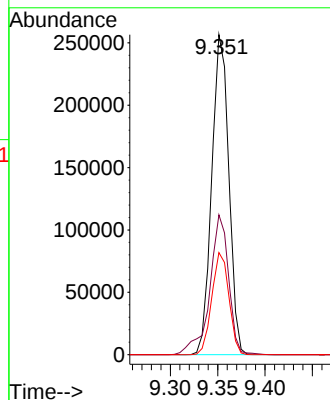
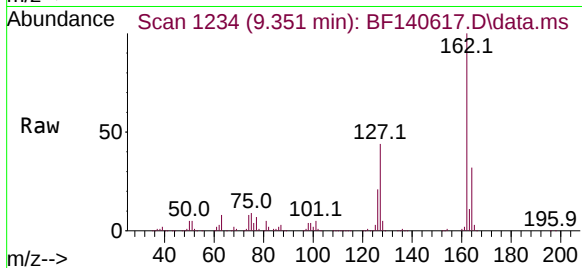
Tgt Ion:162 Resp: 320782

Ion Ratio Lower Upper

162 100

127 43.7 35.7 53.5

164 31.9 26.1 39.1



#48

2-Nitroaniline

Concen: 54.451 ng

RT: 9.451 min Scan# 1251

Delta R.T. -0.006 min

Lab File: BF140617.D

Acq: 25 Nov 2024 21:37

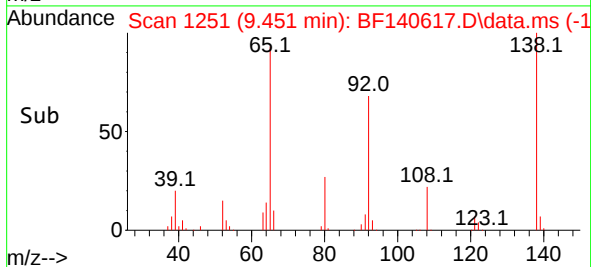
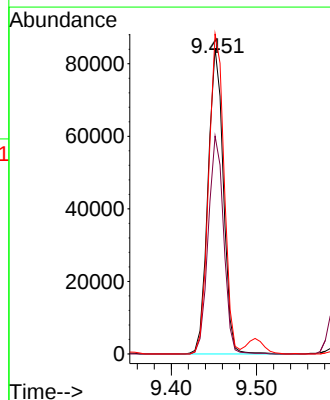
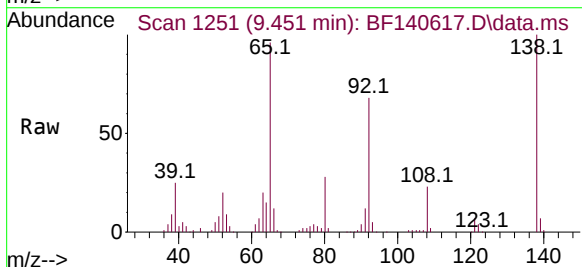
Tgt Ion: 65 Resp: 105407

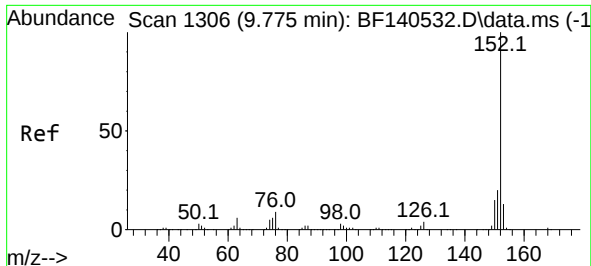
Ion Ratio Lower Upper

65 100

92 71.3 56.1 84.1

138 104.7 81.0 121.6





#49

Acenaphthylene

Concen: 57.517 ng

RT: 9.769 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140617.D

Acq: 25 Nov 2024 21:37

Instrument :

BNA\_F

ClientSampleId :

PH2-BOT-006MSD

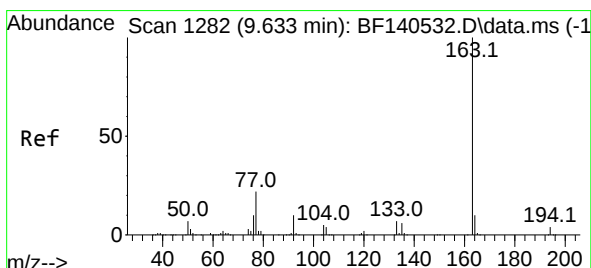
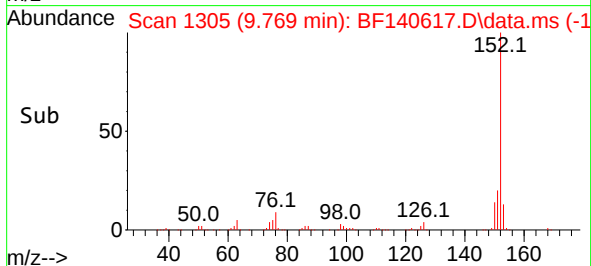
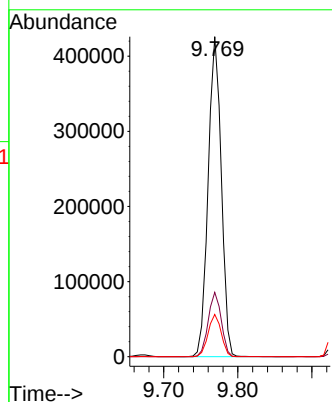
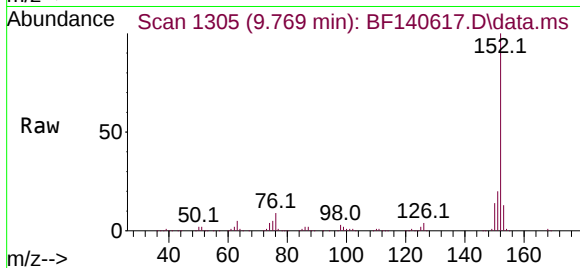
Tgt Ion:152 Resp: 524115

Ion Ratio Lower Upper

152 100

151 20.1 15.9 23.9

153 13.2 10.6 16.0



#50

Dimethylphthalate

Concen: 54.088 ng

RT: 9.628 min Scan# 1281

Delta R.T. -0.006 min

Lab File: BF140617.D

Acq: 25 Nov 2024 21:37

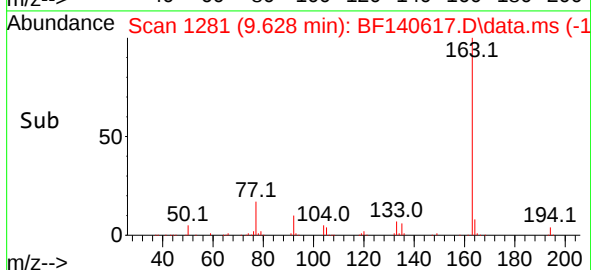
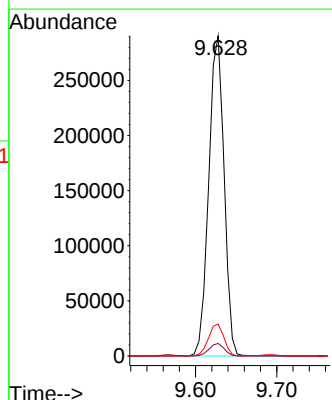
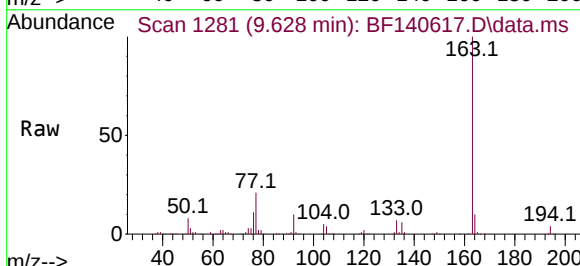
Tgt Ion:163 Resp: 379759

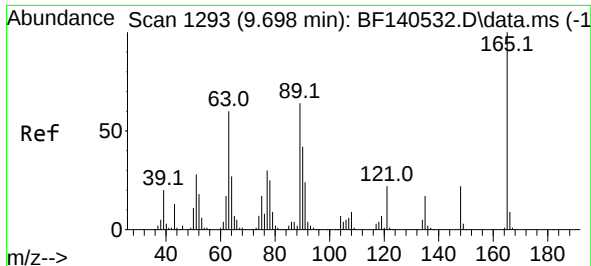
Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

164 10.0 8.2 12.2

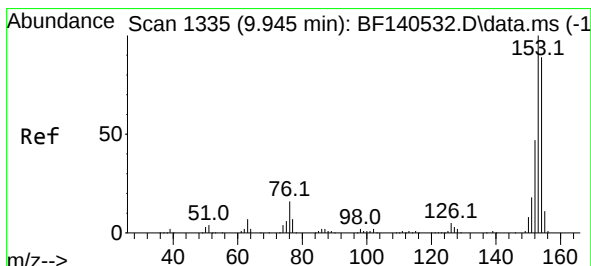
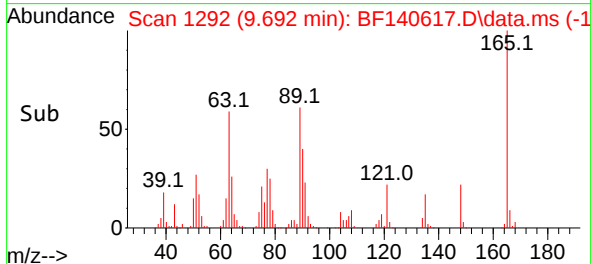
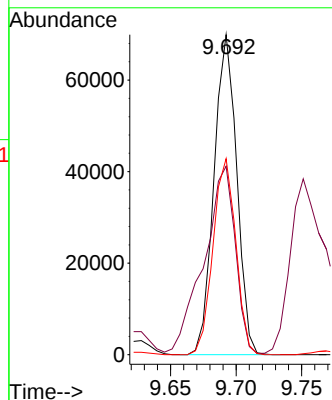
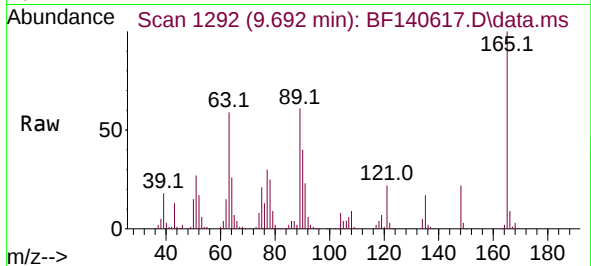




#51  
2,6-Dinitrotoluene  
Concen: 52.856 ng  
RT: 9.692 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF140617.D  
Acq: 25 Nov 2024 21:37

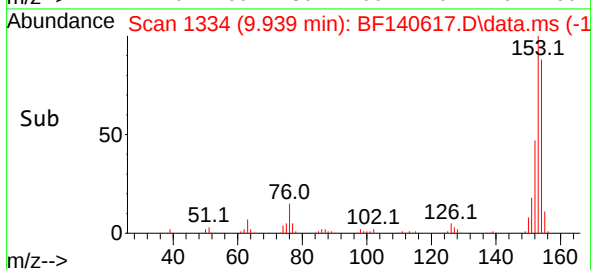
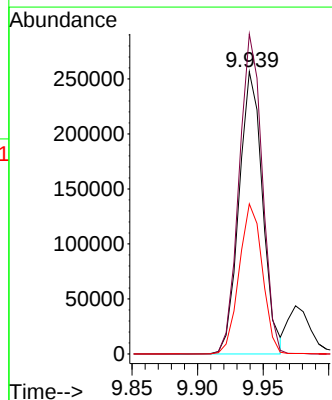
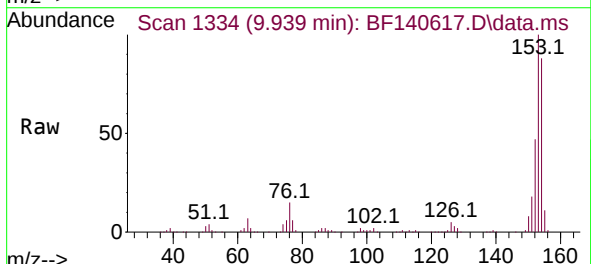
Instrument :  
BNA\_F  
ClientSampleId :  
PH2-BOT-006MSD

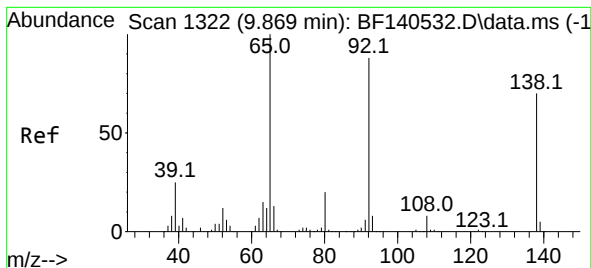
Tgt Ion:165 Resp: 84165  
Ion Ratio Lower Upper  
165 100  
63 58.9 49.9 74.9  
89 61.2 50.9 76.3



#52  
Acenaphthene  
Concen: 55.406 ng  
RT: 9.939 min Scan# 1334  
Delta R.T. -0.006 min  
Lab File: BF140617.D  
Acq: 25 Nov 2024 21:37

Tgt Ion:154 Resp: 320800  
Ion Ratio Lower Upper  
154 100  
153 113.4 89.7 134.5  
152 53.2 42.5 63.7





#53

3-Nitroaniline

Concen: 31.462 ng

RT: 9.863 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140617.D

Acq: 25 Nov 2024 21:37

Instrument :

BNA\_F

ClientSampleId :

PH2-BOT-006MSD

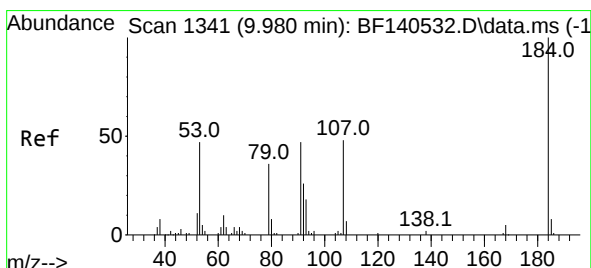
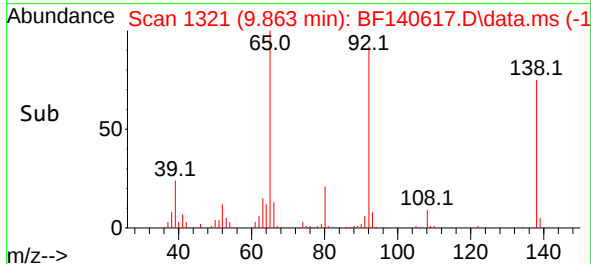
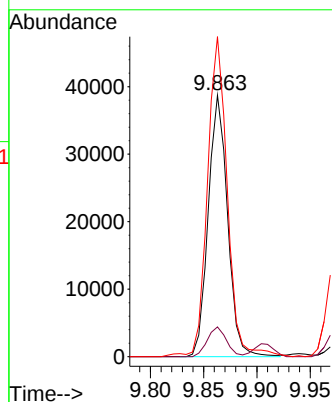
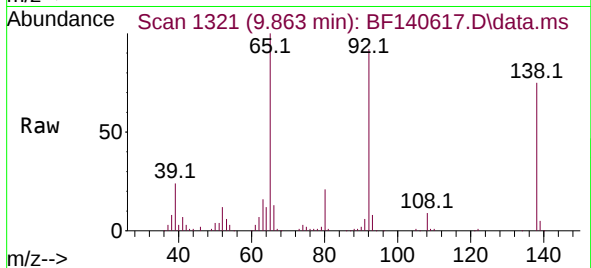
Tgt Ion:138 Resp: 48999

Ion Ratio Lower Upper

138 100

108 11.4 9.2 13.8

92 122.4 100.6 150.8



#54

2,4-Dinitrophenol

Concen: 103.091 ng

RT: 9.975 min Scan# 1340

Delta R.T. -0.005 min

Lab File: BF140617.D

Acq: 25 Nov 2024 21:37

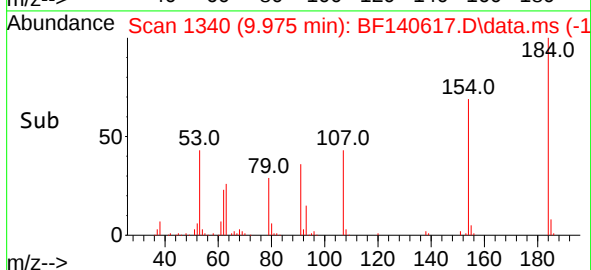
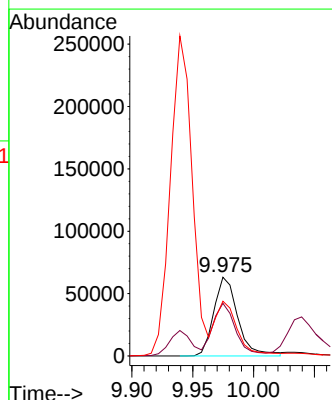
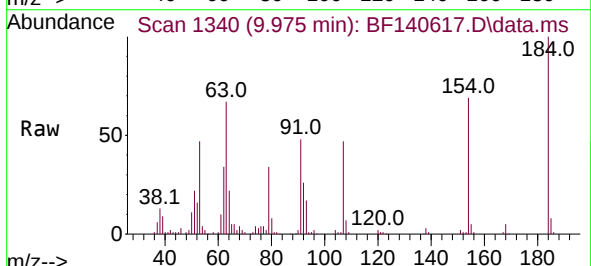
Tgt Ion:184 Resp: 87081

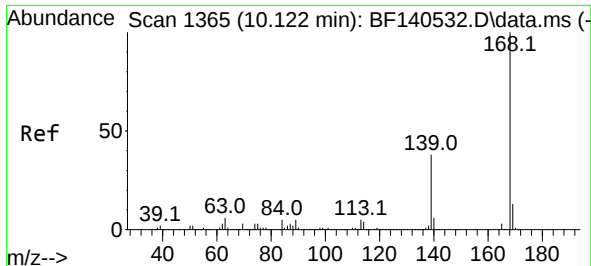
Ion Ratio Lower Upper

184 100

63 66.9 54.1 81.1

154 69.5 57.4 86.0

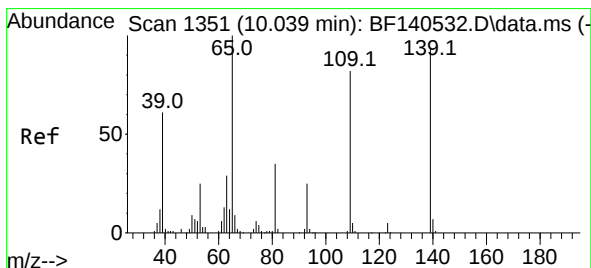
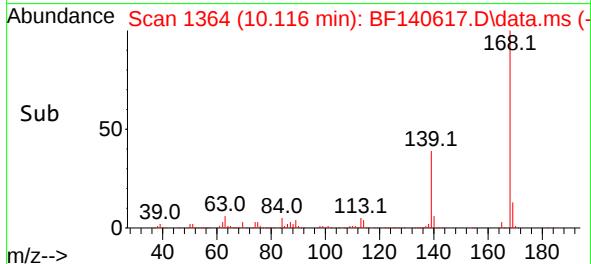
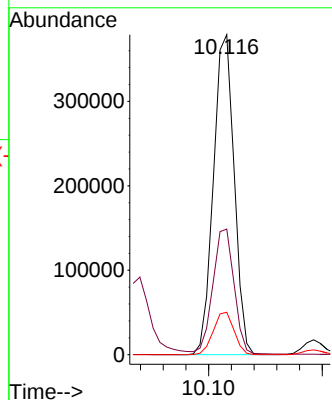
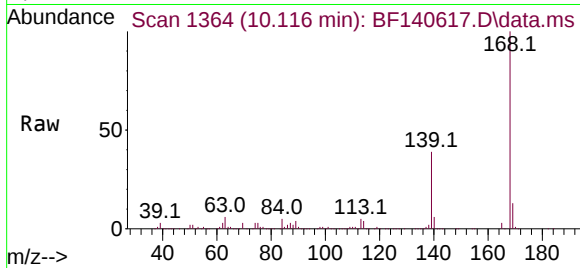




#55  
Dibenzenofuran  
Concen: 54.481 ng  
RT: 10.116 min Scan# 1364  
Delta R.T. -0.006 min  
Lab File: BF140617.D  
Acq: 25 Nov 2024 21:37

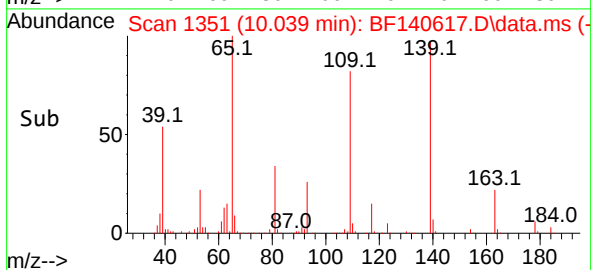
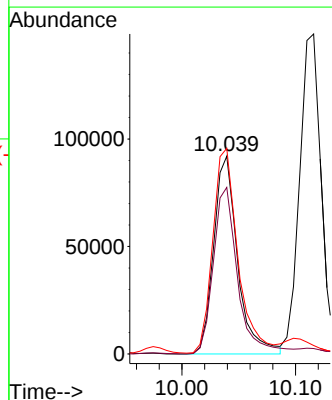
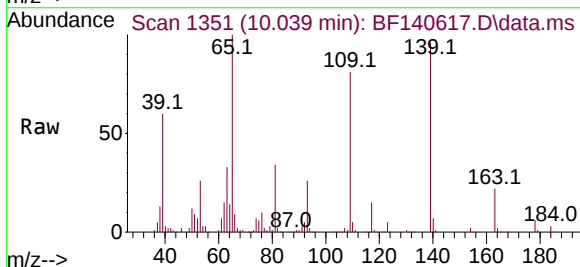
Instrument :  
BNA\_F  
ClientSampleId :  
PH2-BOT-006MSD

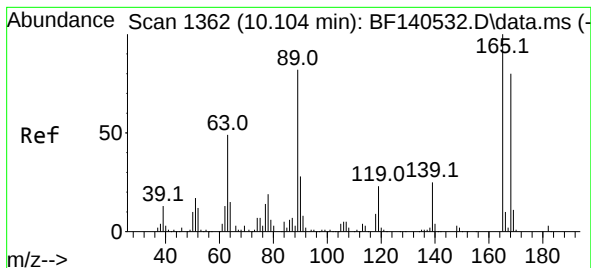
Tgt Ion:168 Resp: 481150  
Ion Ratio Lower Upper  
168 100  
139 39.3 31.3 46.9  
169 13.3 10.5 15.7



#56  
4-Nitrophenol  
Concen: 127.256 ng  
RT: 10.039 min Scan# 1351  
Delta R.T. 0.000 min  
Lab File: BF140617.D  
Acq: 25 Nov 2024 21:37

Tgt Ion:139 Resp: 135163  
Ion Ratio Lower Upper  
139 100  
109 84.2 68.4 108.4  
65 103.9 88.6 128.6

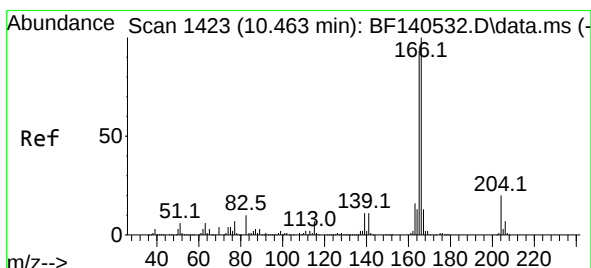
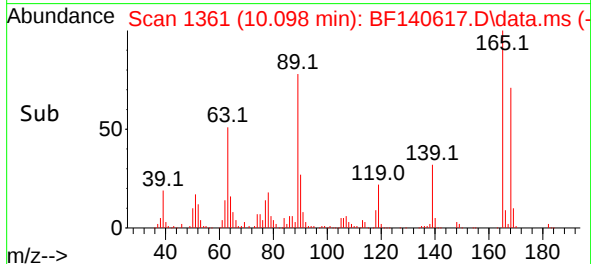
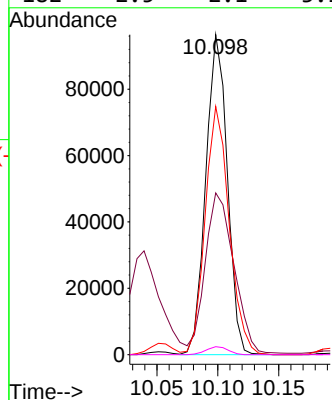
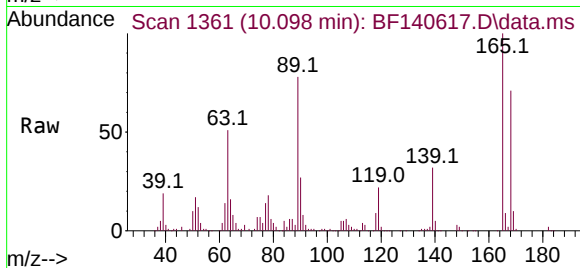




#57  
2,4-Dinitrotoluene  
Concen: 55.962 ng  
RT: 10.098 min Scan# 1361  
Delta R.T. -0.006 min  
Lab File: BF140617.D  
Acq: 25 Nov 2024 21:37

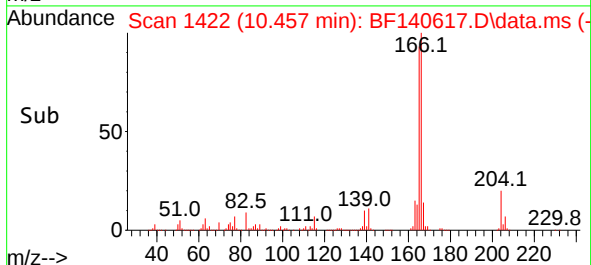
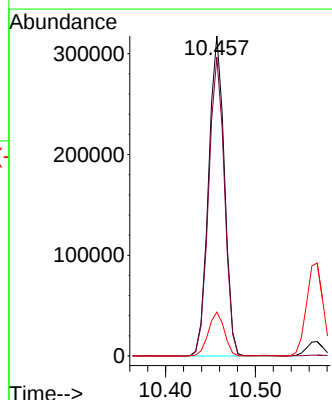
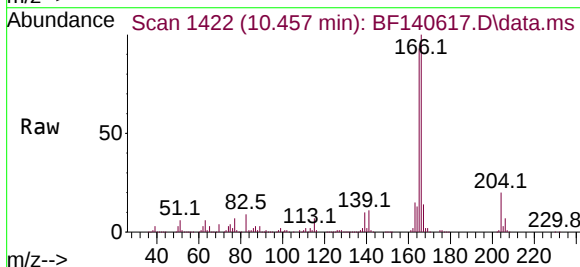
Instrument :  
BNA\_F  
ClientSampleId :  
PH2-BOT-006MSD

Tgt Ion:165 Resp: 118430  
Ion Ratio Lower Upper  
165 100  
63 50.6 41.7 62.5  
89 77.5 65.8 98.8  
182 2.5 2.1 3.1



#58  
Fluorene  
Concen: 54.937 ng  
RT: 10.457 min Scan# 1422  
Delta R.T. -0.006 min  
Lab File: BF140617.D  
Acq: 25 Nov 2024 21:37

Tgt Ion:166 Resp: 389442  
Ion Ratio Lower Upper  
166 100  
165 93.4 74.6 111.8  
167 13.7 10.6 16.0

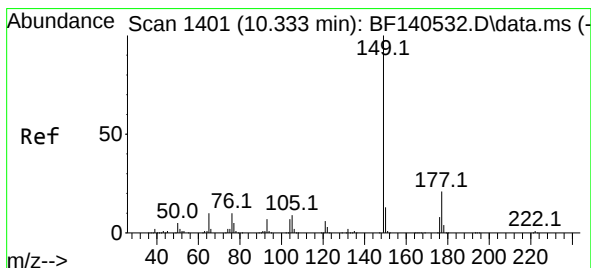
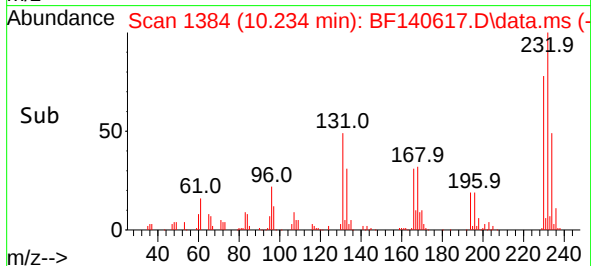
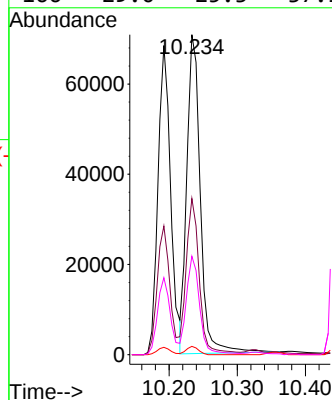
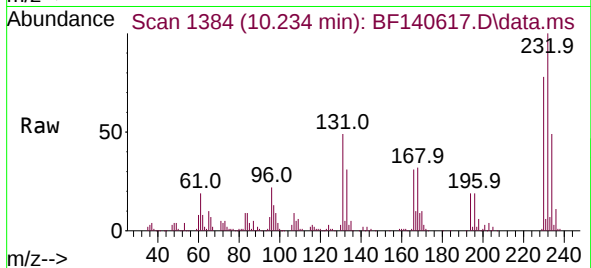




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 59.100 ng  
RT: 10.234 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF140617.D  
Acq: 25 Nov 2024 21:37

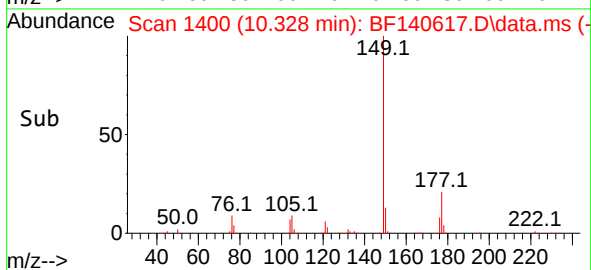
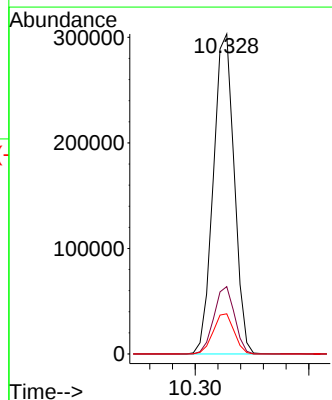
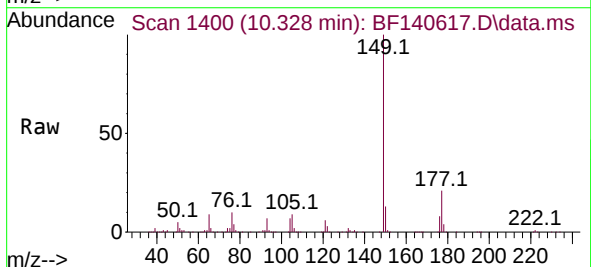
Instrument :  
BNA\_F  
ClientSampleId :  
PH2-BOT-006MSD

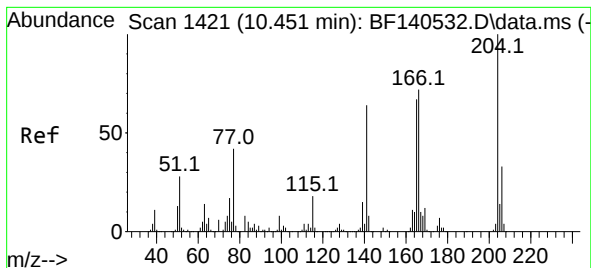
Tgt Ion:232 Resp: 96535  
Ion Ratio Lower Upper  
232 100  
131 46.6 39.6 59.4  
130 2.3 1.9 2.9  
166 29.0 25.3 37.9



#60  
Diethylphthalate  
Concen: 54.239 ng  
RT: 10.328 min Scan# 1400  
Delta R.T. -0.006 min  
Lab File: BF140617.D  
Acq: 25 Nov 2024 21:37

Tgt Ion:149 Resp: 386919  
Ion Ratio Lower Upper  
149 100  
177 21.1 17.1 25.7  
150 12.6 10.1 15.1

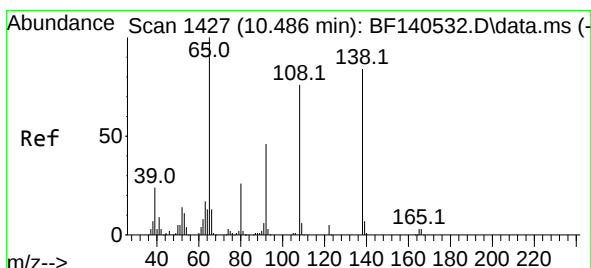
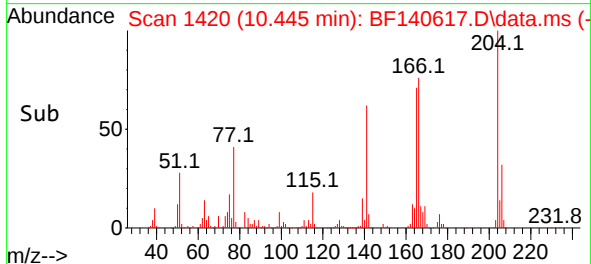
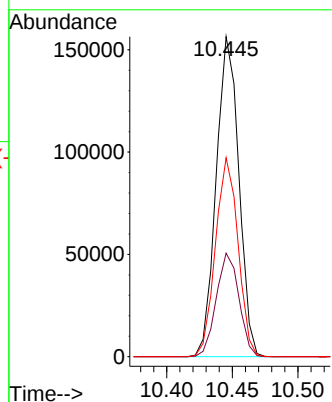
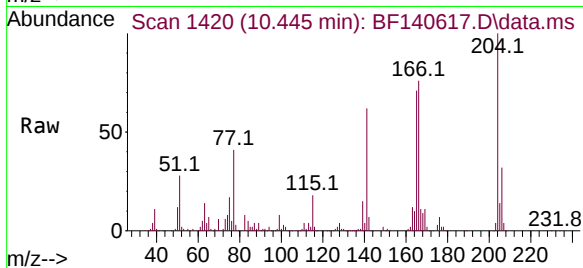




#61  
4-Chlorophenyl-phenylether  
Concen: 53.944 ng  
RT: 10.445 min Scan# 1420  
Delta R.T. -0.006 min  
Lab File: BF140617.D  
Acq: 25 Nov 2024 21:37

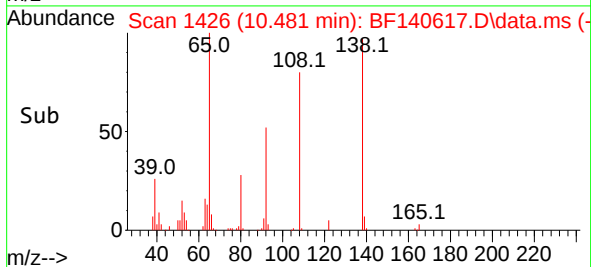
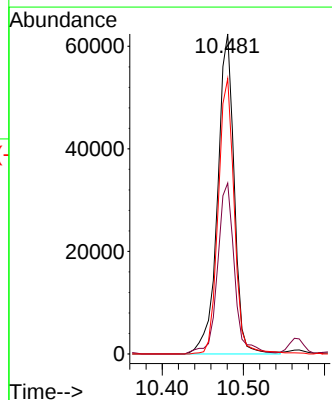
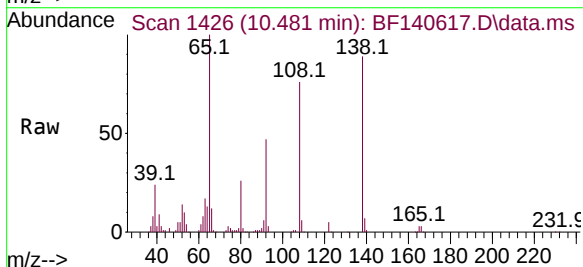
Instrument :  
BNA\_F  
ClientSampleId :  
PH2-BOT-006MSD

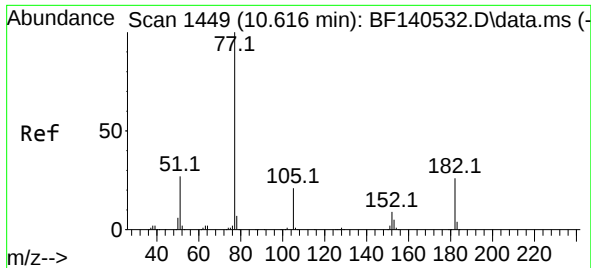
Tgt Ion:204 Resp: 187664  
Ion Ratio Lower Upper  
204 100  
206 32.3 26.6 40.0  
141 62.2 51.1 76.7



#62  
4-Nitroaniline  
Concen: 54.506 ng  
RT: 10.481 min Scan# 1426  
Delta R.T. -0.006 min  
Lab File: BF140617.D  
Acq: 25 Nov 2024 21:37

Tgt Ion:138 Resp: 89030  
Ion Ratio Lower Upper  
138 100  
92 53.4 34.5 74.5  
108 86.1 70.6 110.6

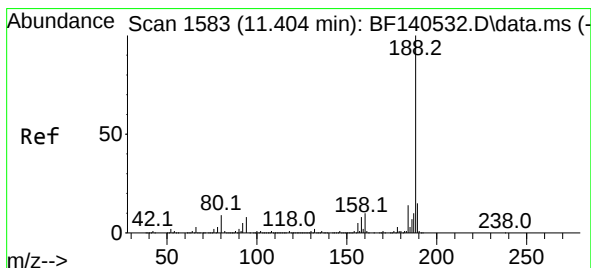
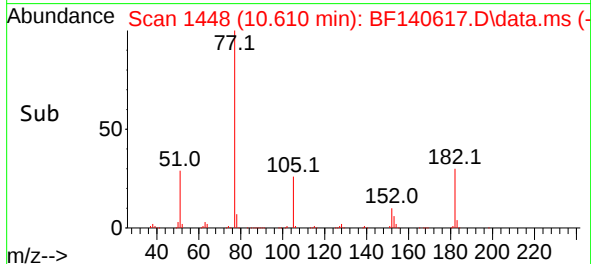
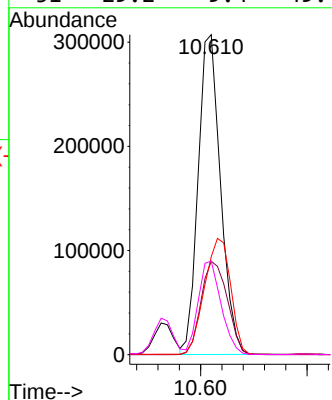
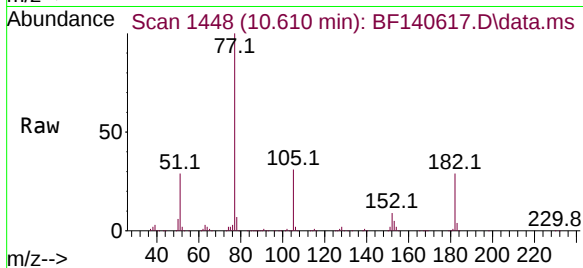




#63  
Azobenzene  
Concen: 66.488 ng  
RT: 10.610 min Scan# 1448  
Delta R.T. -0.006 min  
Lab File: BF140617.D  
Acq: 25 Nov 2024 21:37

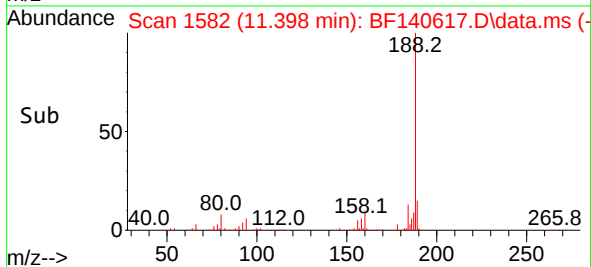
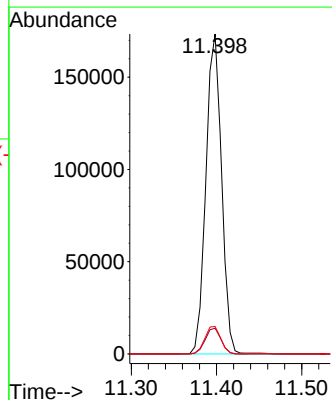
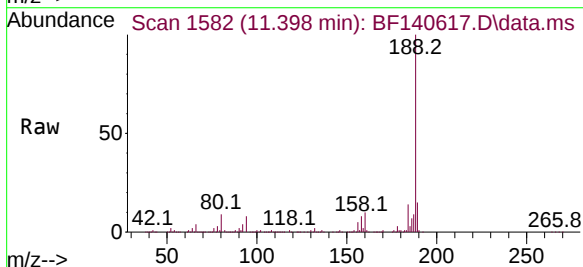
Instrument :  
BNA\_F  
ClientSampleId :  
PH2-BOT-006MSD

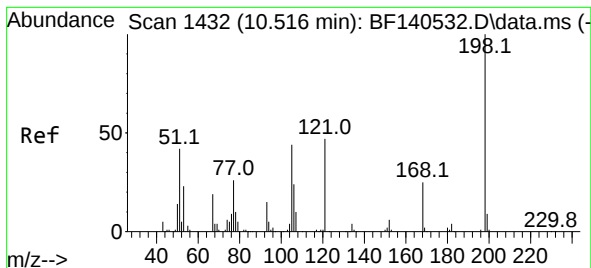
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 77    | Resp: | 449154 |
| Ion      | Ratio | Lower | Upper  |
| 77       | 100   |       |        |
| 182      | 29.2  | 5.3   | 45.3   |
| 105      | 30.6  | 0.3   | 40.3   |
| 51       | 29.2  | 9.4   | 49.4   |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.398 min Scan# 1582  
Delta R.T. -0.006 min  
Lab File: BF140617.D  
Acq: 25 Nov 2024 21:37

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 220773 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 8.1   | 6.4   | 9.6    |
| 80       | 8.6   | 6.9   | 10.3   |

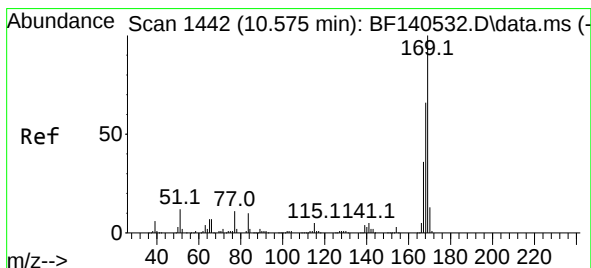
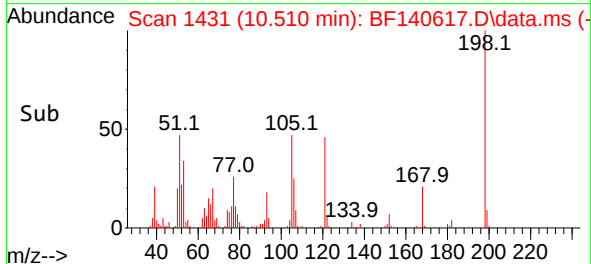
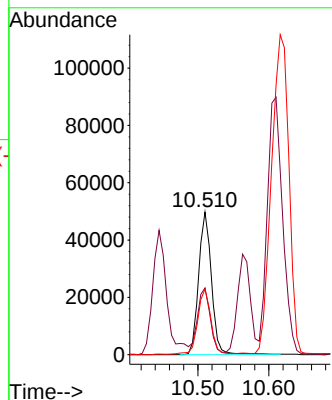
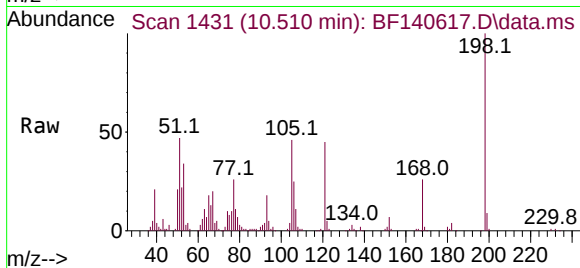




#65  
4,6-Dinitro-2-methylphenol  
Concen: 55.787 ng  
RT: 10.510 min Scan# 1432  
Delta R.T. -0.006 min  
Lab File: BF140617.D  
Acq: 25 Nov 2024 21:37

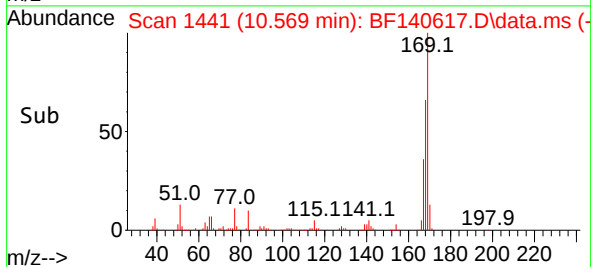
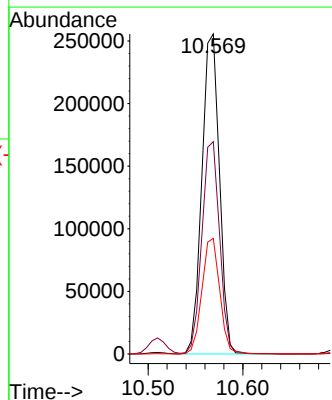
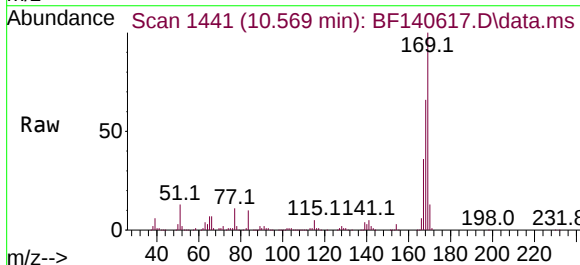
Instrument :  
BNA\_F  
ClientSampleId :  
PH2-BOT-006MSD

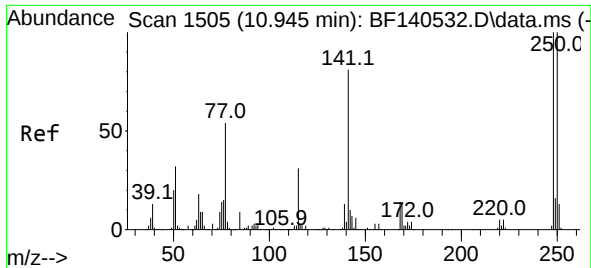
Tgt Ion:198 Resp: 62937  
Ion Ratio Lower Upper  
198 100  
51 46.9 29.4 69.4  
105 46.0 25.4 65.4



#66  
n-Nitrosodiphenylamine  
Concen: 50.286 ng  
RT: 10.569 min Scan# 1441  
Delta R.T. -0.006 min  
Lab File: BF140617.D  
Acq: 25 Nov 2024 21:37

Tgt Ion:169 Resp: 328312  
Ion Ratio Lower Upper  
169 100  
168 66.4 53.2 79.8  
167 36.1 29.0 43.6

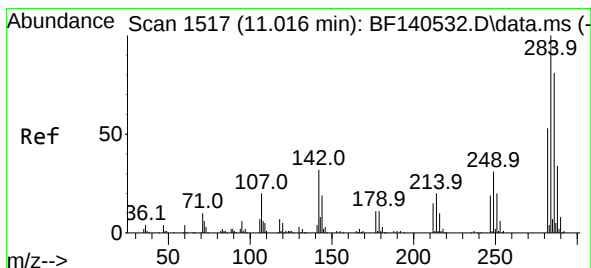
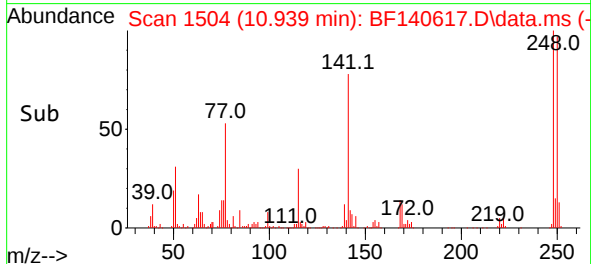
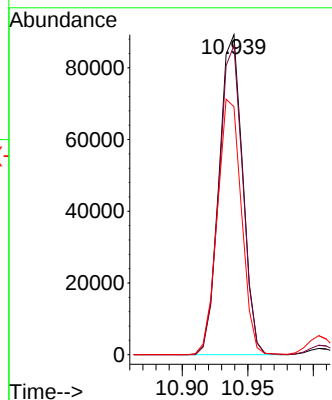
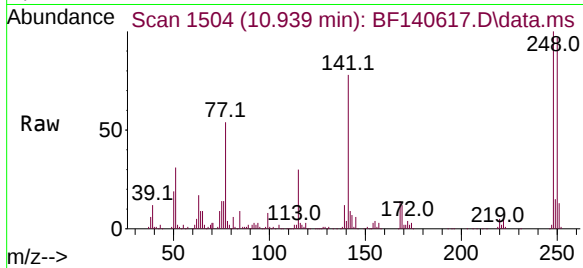




#67  
4-Bromophenyl-phenylether  
Concen: 49.128 ng  
RT: 10.939 min Scan# 1504  
Delta R.T. -0.006 min  
Lab File: BF140617.D  
Acq: 25 Nov 2024 21:37

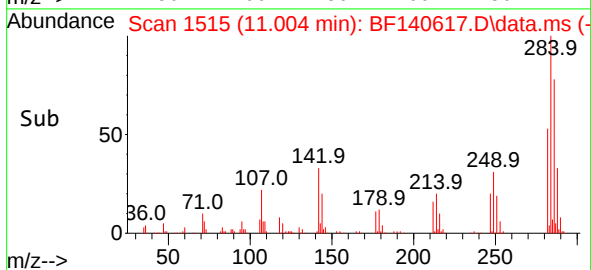
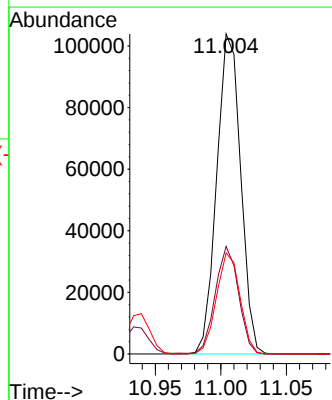
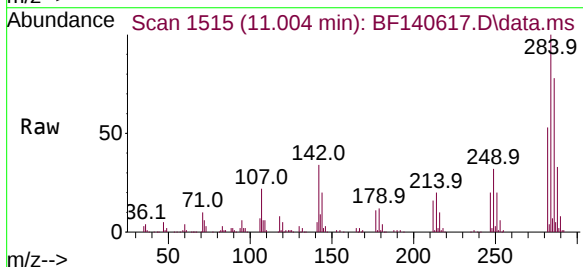
Instrument :  
BNA\_F  
ClientSampleId :  
PH2-BOT-006MSD

Tgt Ion:248 Resp: 111698  
Ion Ratio Lower Upper  
248 100  
250 96.7 79.8 119.8  
141 77.5 64.7 97.1



#68  
Hexachlorobenzene  
Concen: 50.035 ng  
RT: 11.004 min Scan# 1515  
Delta R.T. -0.012 min  
Lab File: BF140617.D  
Acq: 25 Nov 2024 21:37

Tgt Ion:284 Resp: 131725  
Ion Ratio Lower Upper  
284 100  
142 33.6 25.3 37.9  
249 31.5 24.8 37.2





#69

Atrazine

Concen: 60.017 ng

RT: 11.092 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140617.D

Acq: 25 Nov 2024 21:37

Instrument :

BNA\_F

ClientSampleId :

PH2-BOT-006MSD

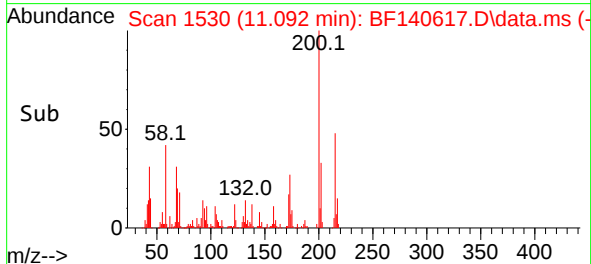
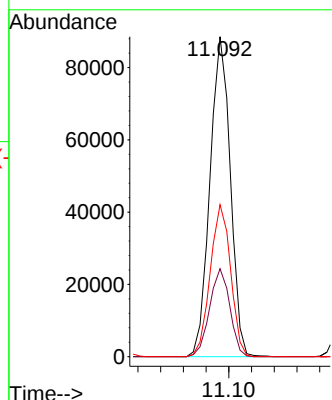
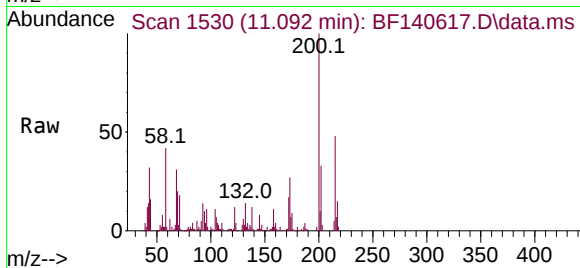
Tgt Ion:200 Resp: 110232

Ion Ratio Lower Upper

200 100

173 27.5 7.0 47.0

215 47.5 26.7 66.7



#70

Pentachlorophenol

Concen: 108.076 ng

RT: 11.204 min Scan# 1549

Delta R.T. -0.006 min

Lab File: BF140617.D

Acq: 25 Nov 2024 21:37

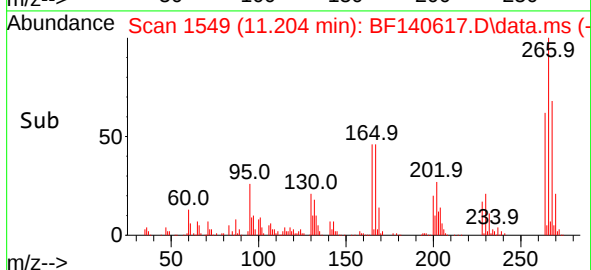
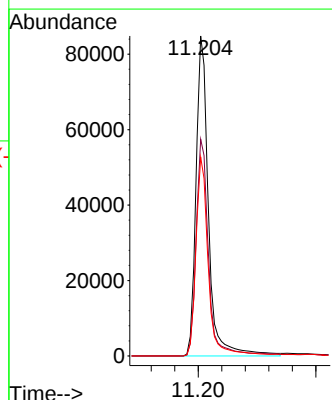
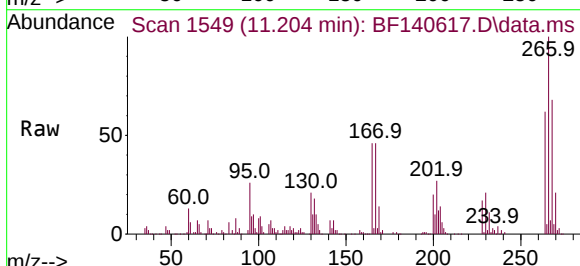
Tgt Ion:266 Resp: 125226

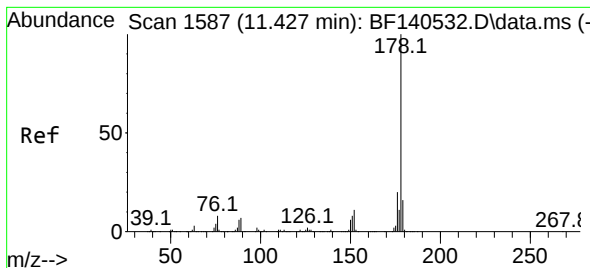
Ion Ratio Lower Upper

266 100

268 67.8 53.7 80.5

264 62.1 49.8 74.8





#71

Phenanthrene

Concen: 52.862 ng

RT: 11.422 min Scan# 1586

Delta R.T. -0.006 min

Lab File: BF140617.D

Acq: 25 Nov 2024 21:37

Instrument :

BNA\_F

ClientSampleId :

PH2-BOT-006MSD

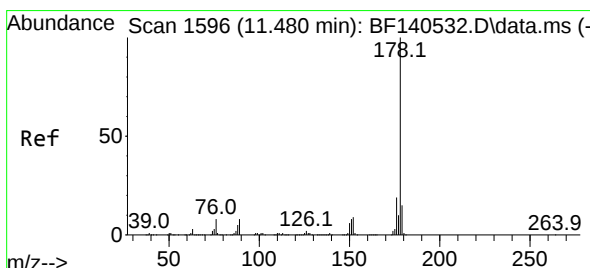
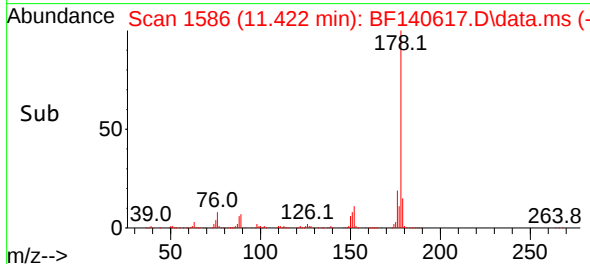
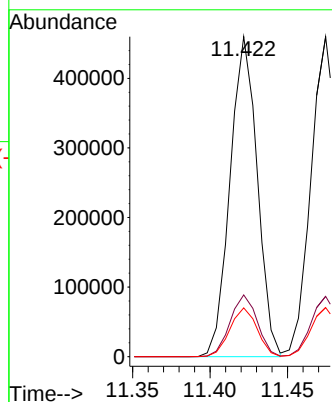
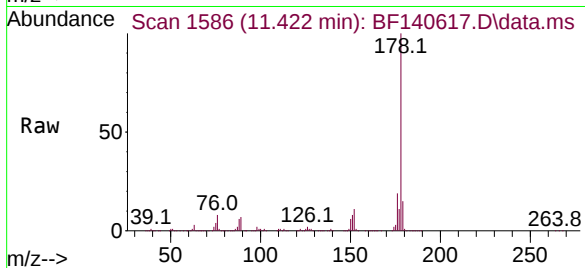
Tgt Ion:178 Resp: 560994

Ion Ratio Lower Upper

178 100

176 19.3 15.8 23.6

179 15.3 12.4 18.6



#72

Anthracene

Concen: 55.183 ng

RT: 11.475 min Scan# 1595

Delta R.T. -0.006 min

Lab File: BF140617.D

Acq: 25 Nov 2024 21:37

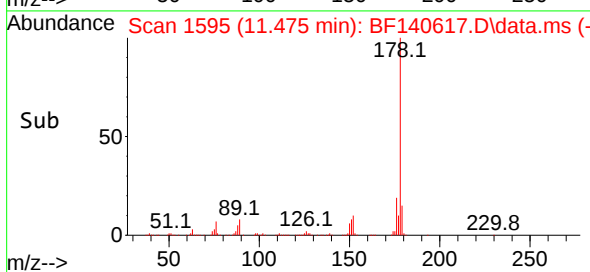
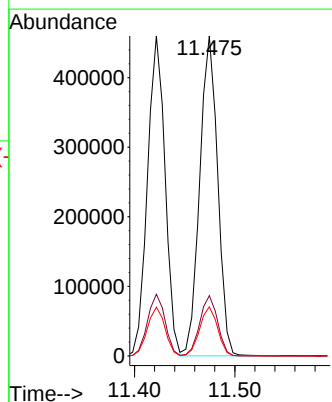
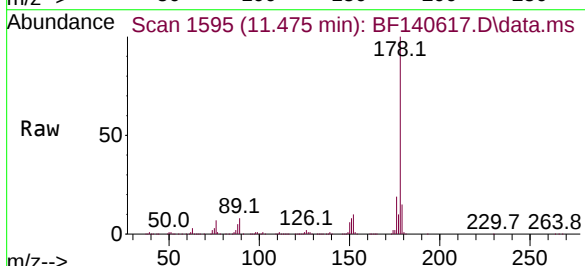
Tgt Ion:178 Resp: 572845

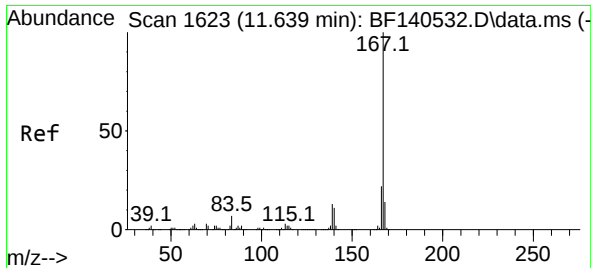
Ion Ratio Lower Upper

178 100

176 18.9 15.0 22.4

179 15.4 12.2 18.4

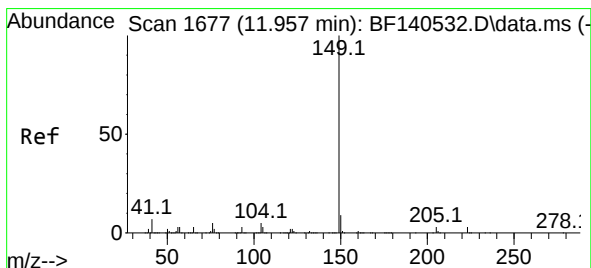
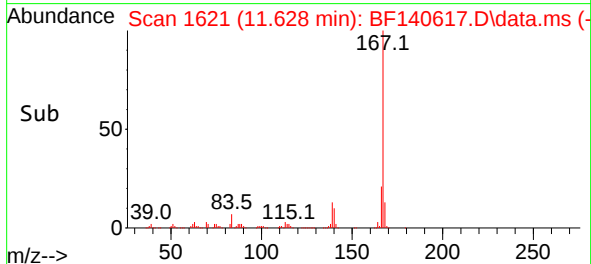
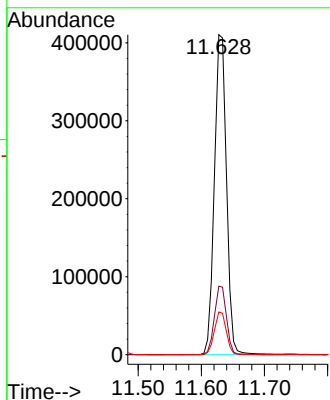
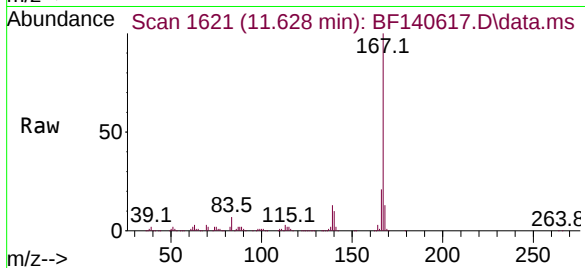




#73  
Carbazole  
Concen: 54.737 ng  
RT: 11.628 min Scan# 1621  
Delta R.T. -0.012 min  
Lab File: BF140617.D  
Acq: 25 Nov 2024 21:37

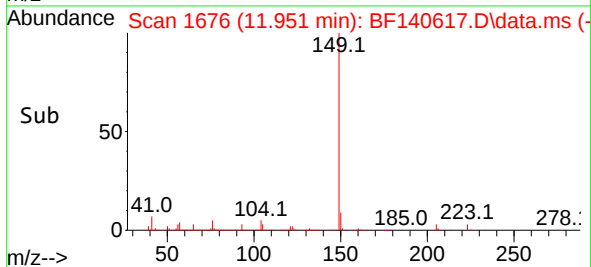
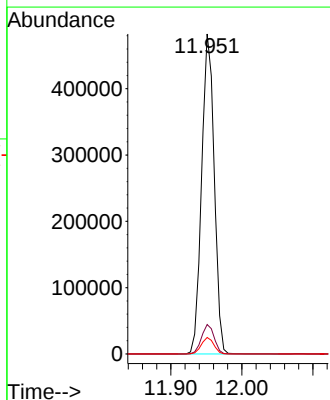
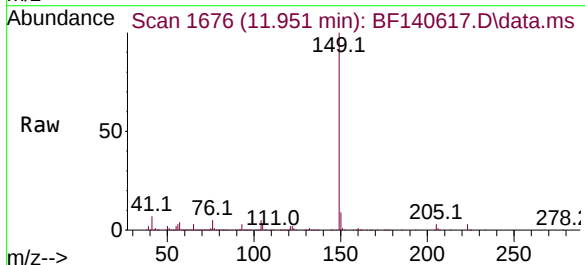
Instrument :  
BNA\_F  
ClientSampleId :  
PH2-BOT-006MSD

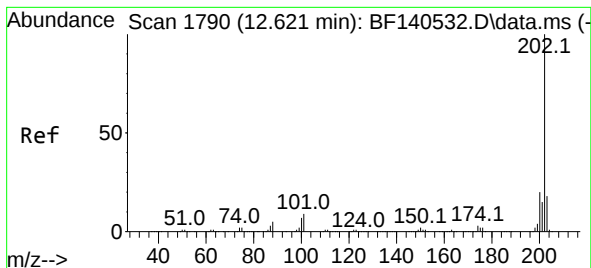
Tgt Ion:167 Resp: 546630  
Ion Ratio Lower Upper  
167 100  
166 21.4 17.2 25.8  
139 13.3 10.6 15.8



#74  
Di-n-butylphthalate  
Concen: 51.739 ng  
RT: 11.951 min Scan# 1676  
Delta R.T. -0.006 min  
Lab File: BF140617.D  
Acq: 25 Nov 2024 21:37

Tgt Ion:149 Resp: 596519  
Ion Ratio Lower Upper  
149 100  
150 9.2 7.5 11.3  
104 5.2 4.1 6.1





#75

Fluoranthene

Concen: 52.763 ng

RT: 12.616 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140617.D

Acq: 25 Nov 2024 21:37

Instrument :

BNA\_F

ClientSampleId :

PH2-BOT-006MSD

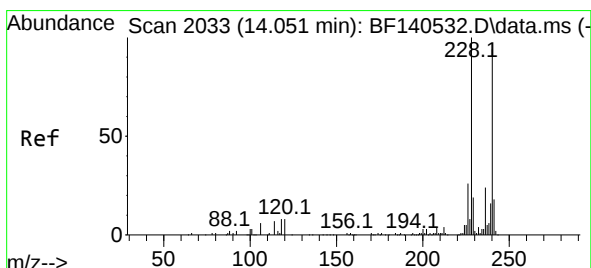
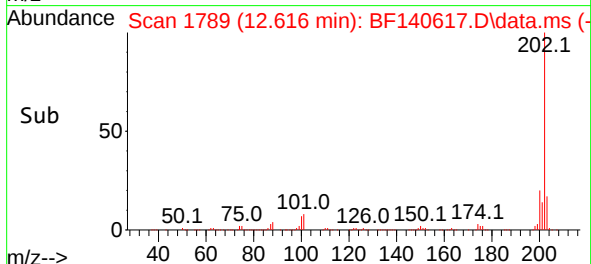
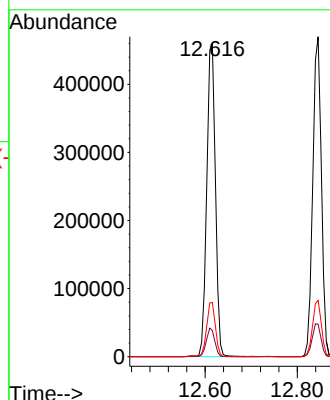
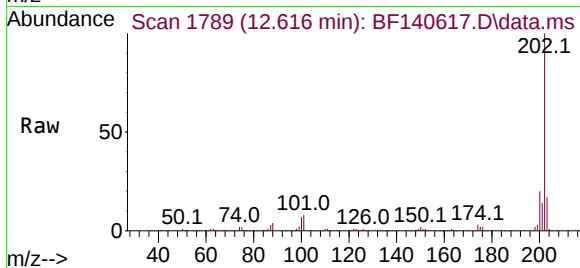
Tgt Ion:202 Resp: 607954

Ion Ratio Lower Upper

202 100

101 8.4 0.0 28.9

203 17.3 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF140617.D

Acq: 25 Nov 2024 21:37

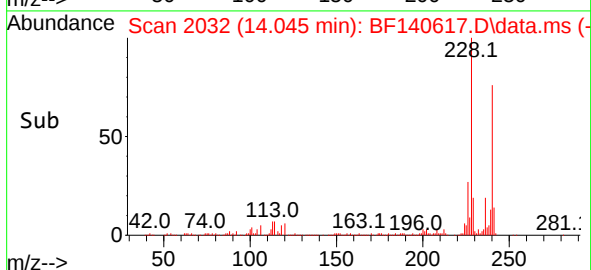
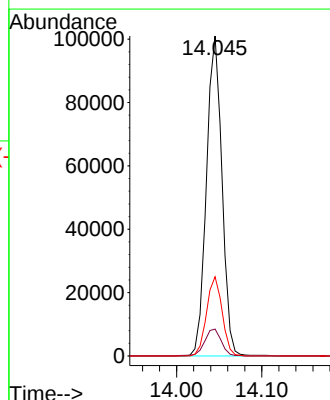
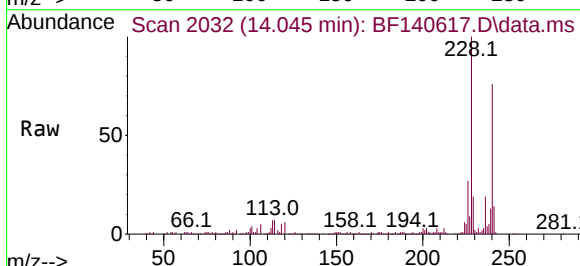
Tgt Ion:240 Resp: 127662

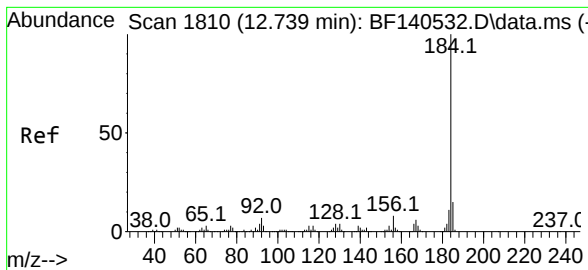
Ion Ratio Lower Upper

240 100

120 8.4 7.3 10.9

236 24.8 20.6 31.0

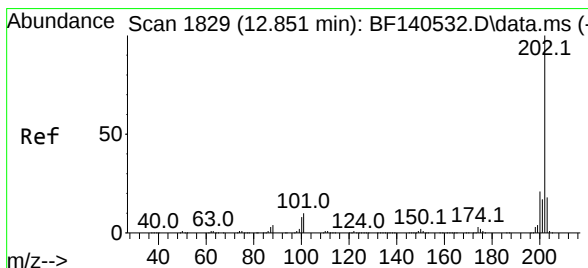
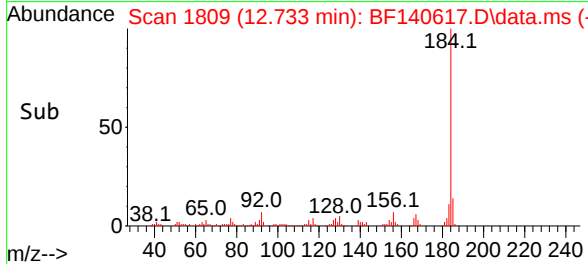
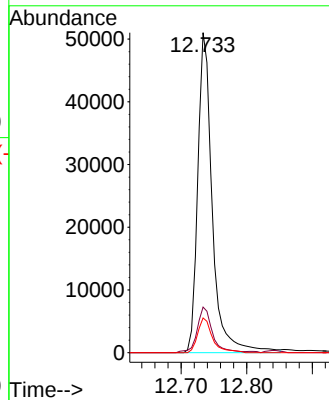
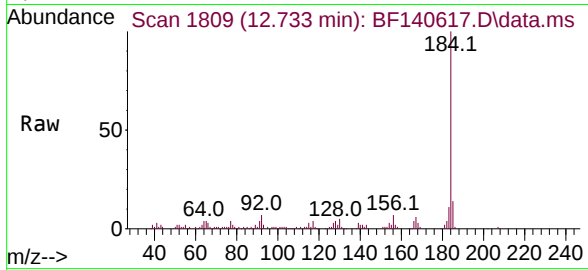




#77  
Benzidine  
Concen: 21.255 ng  
RT: 12.733 min Scan# 1809  
Delta R.T. -0.006 min  
Lab File: BF140617.D  
Acq: 25 Nov 2024 21:37

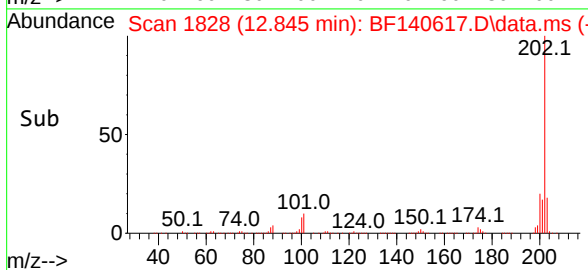
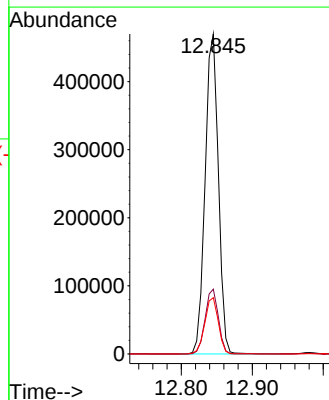
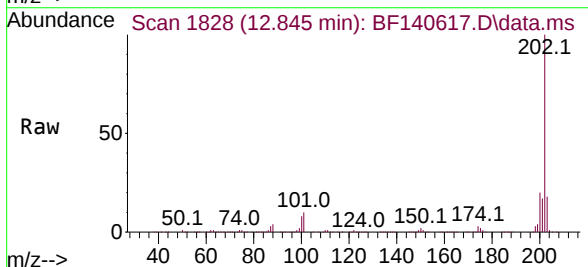
Instrument :  
BNA\_F  
ClientSampleId :  
PH2-BOT-006MSD

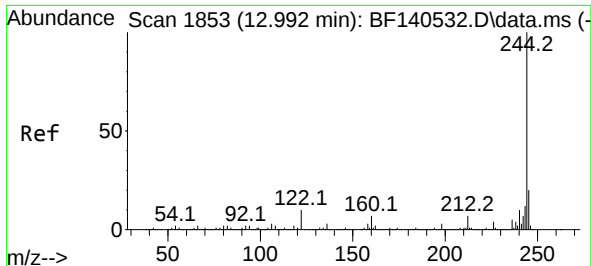
Tgt Ion:184 Resp: 78892  
Ion Ratio Lower Upper  
184 100  
185 14.2 11.7 17.5  
183 10.8 8.8 13.2



#78  
Pyrene  
Concen: 51.695 ng  
RT: 12.845 min Scan# 1828  
Delta R.T. -0.006 min  
Lab File: BF140617.D  
Acq: 25 Nov 2024 21:37

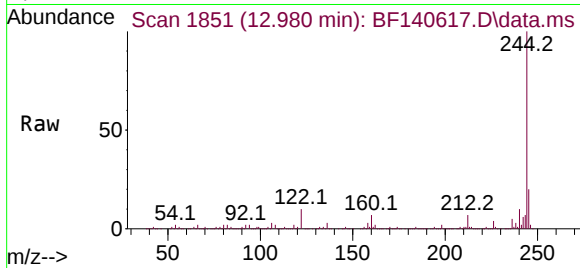
Tgt Ion:202 Resp: 610200  
Ion Ratio Lower Upper  
202 100  
200 20.2 16.5 24.7  
203 17.6 14.2 21.4



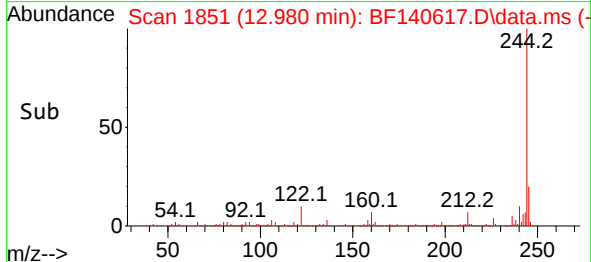
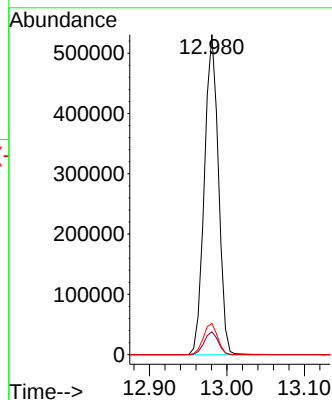


#79  
 Terphenyl-d14  
 Concen: 81.419 ng  
 RT: 12.980 min Scan# 1851  
 Delta R.T. -0.012 min  
 Lab File: BF140617.D  
 Acq: 25 Nov 2024 21:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PH2-BOT-006MSD

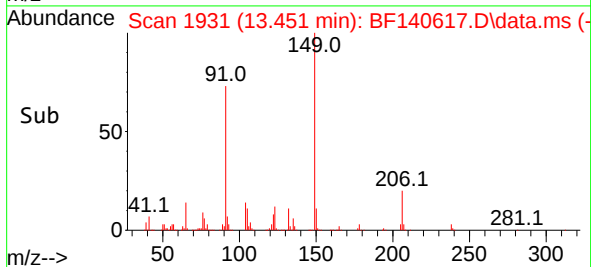
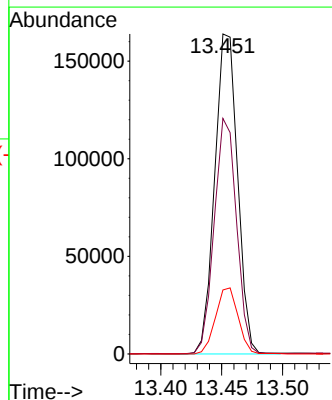
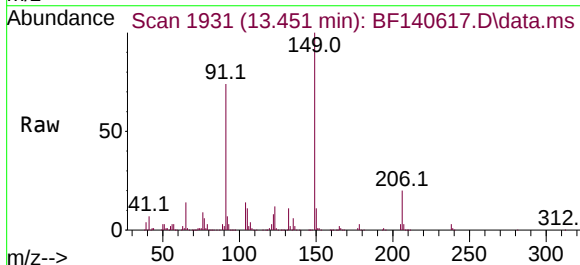


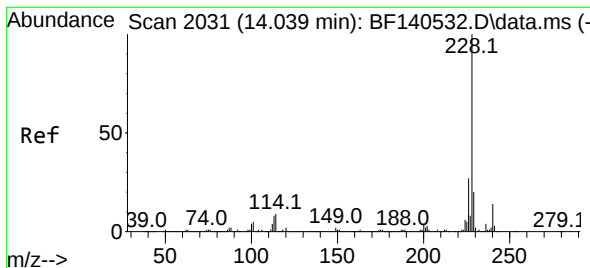
Tgt Ion:244 Resp: 667518  
 Ion Ratio Lower Upper  
 244 100  
 212 7.2 5.8 8.8  
 122 9.8 8.0 12.0



#80  
 Butylbenzylphthalate  
 Concen: 50.411 ng  
 RT: 13.451 min Scan# 1931  
 Delta R.T. -0.012 min  
 Lab File: BF140617.D  
 Acq: 25 Nov 2024 21:37

Tgt Ion:149 Resp: 214360  
 Ion Ratio Lower Upper  
 149 100  
 91 73.6 56.2 84.2  
 206 20.0 16.4 24.6





#81

Benzo(a)anthracene

Concen: 52.331 ng

RT: 14.033 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF140617.D

Acq: 25 Nov 2024 21:37

Instrument :

BNA\_F

ClientSampleId :

PH2-BOT-006MSD

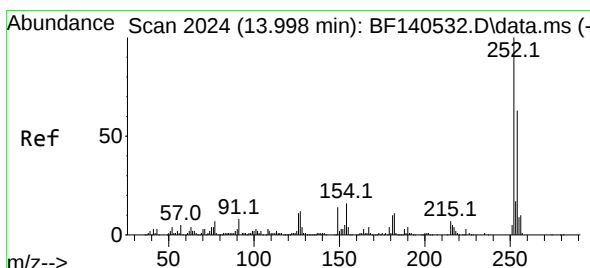
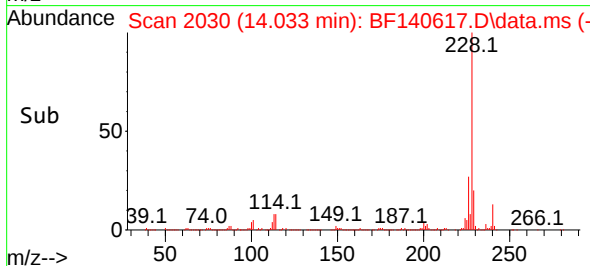
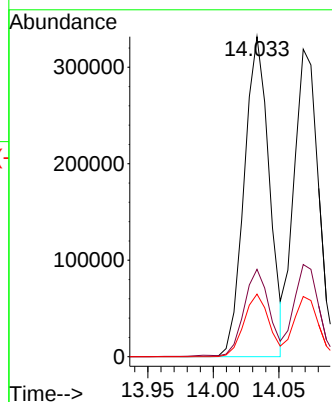
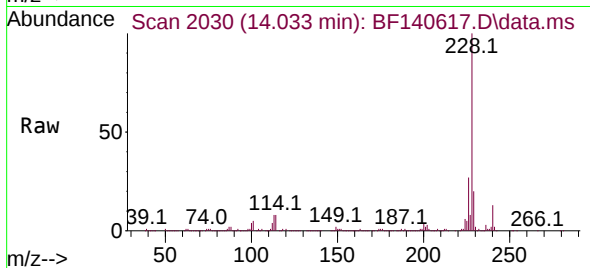
Tgt Ion:228 Resp: 442236

Ion Ratio Lower Upper

228 100

226 27.3 21.8 32.8

229 19.5 15.8 23.6



#82

3,3'-Dichlorobenzidine

Concen: 35.972 ng

RT: 13.992 min Scan# 2023

Delta R.T. -0.006 min

Lab File: BF140617.D

Acq: 25 Nov 2024 21:37

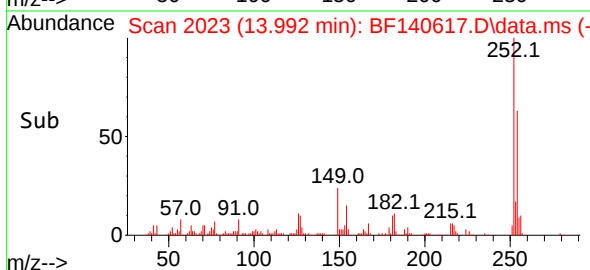
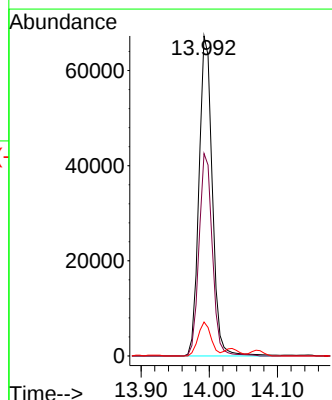
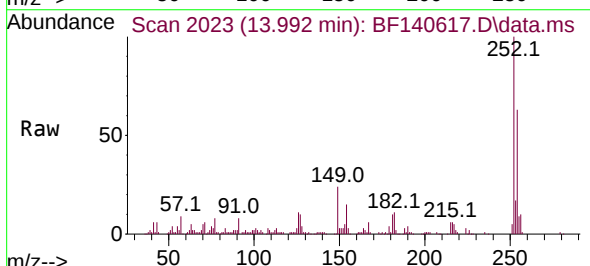
Tgt Ion:252 Resp: 91269

Ion Ratio Lower Upper

252 100

254 63.3 50.8 76.2

126 10.6 8.6 13.0





#83

Chrysene

Concen: 53.807 ng

RT: 14.069 min Scan# 2038

Delta R.T. -0.012 min

Lab File: BF140617.D

Acq: 25 Nov 2024 21:37

Instrument :

BNA\_F

ClientSampleId :

PH2-BOT-006MSD

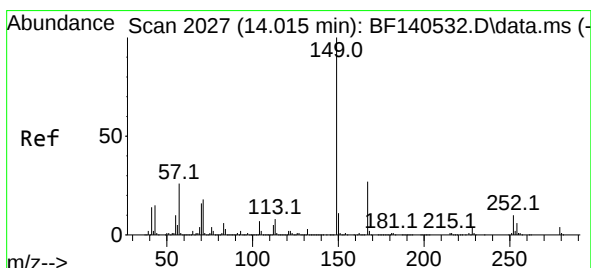
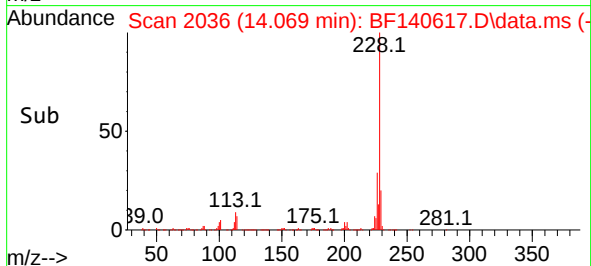
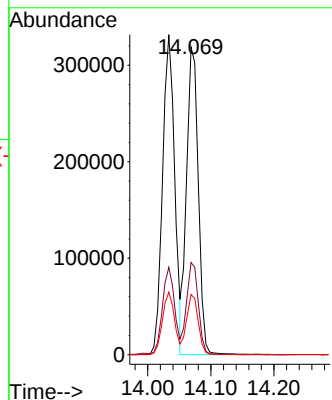
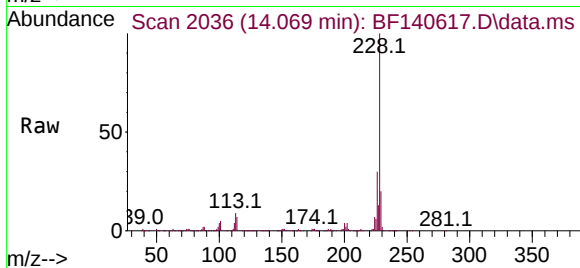
Tgt Ion:228 Resp: 415778

Ion Ratio Lower Upper

228 100

226 30.0 24.4 36.6

229 19.6 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 50.628 ng

RT: 14.010 min Scan# 2026

Delta R.T. -0.006 min

Lab File: BF140617.D

Acq: 25 Nov 2024 21:37

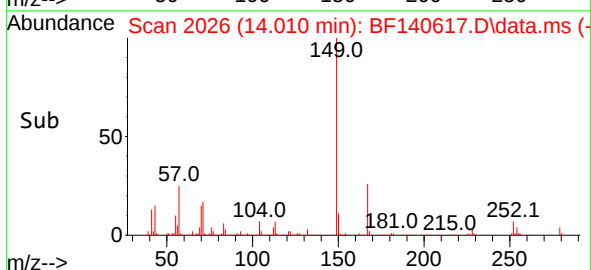
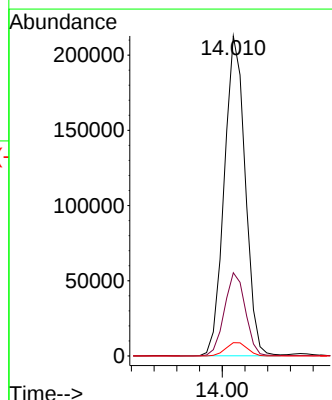
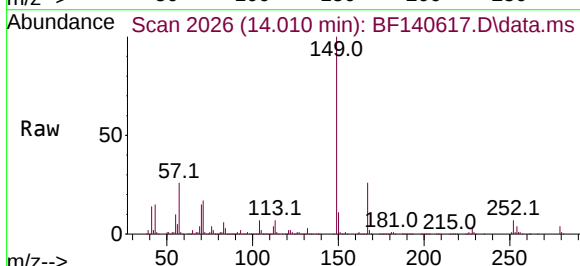
Tgt Ion:149 Resp: 271841

Ion Ratio Lower Upper

149 100

167 26.0 21.2 31.8

279 4.1 3.2 4.8





#85

Di-n-octyl phthalate

Concen: 54.015 ng

RT: 14.633 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF140617.D

Acq: 25 Nov 2024 21:37

Instrument :

BNA\_F

ClientSampleId :

PH2-BOT-006MSD

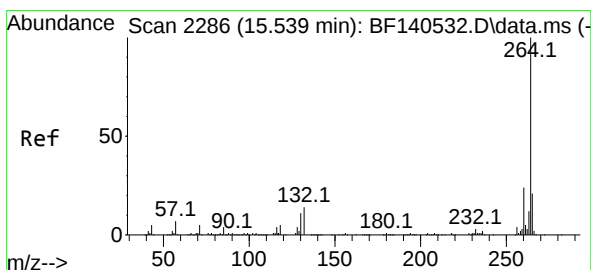
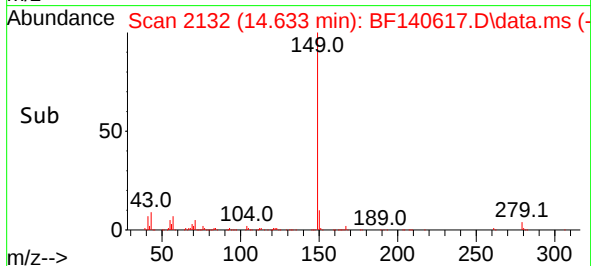
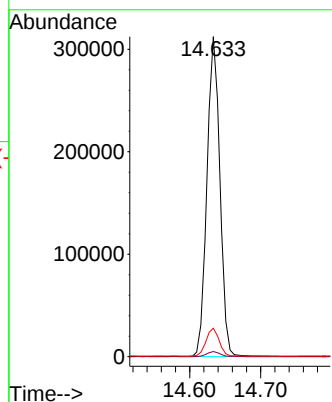
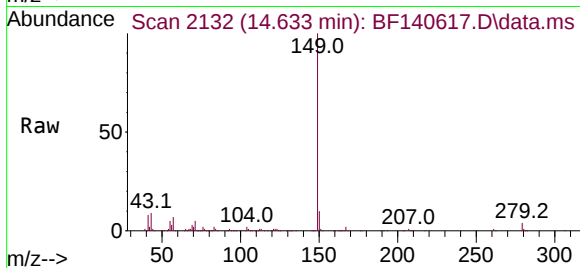
Tgt Ion:149 Resp: 396354

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

43 8.7 7.7 11.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 2285

Delta R.T. -0.006 min

Lab File: BF140617.D

Acq: 25 Nov 2024 21:37

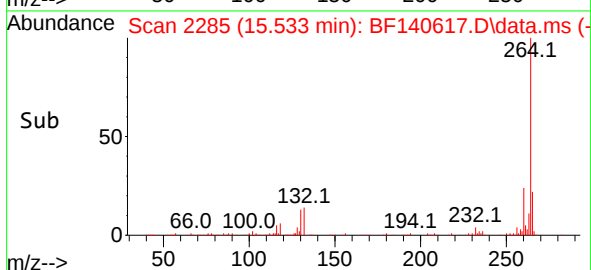
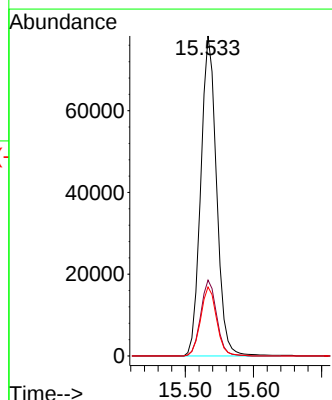
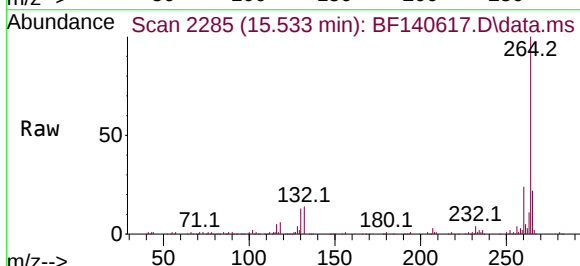
Tgt Ion:264 Resp: 125896

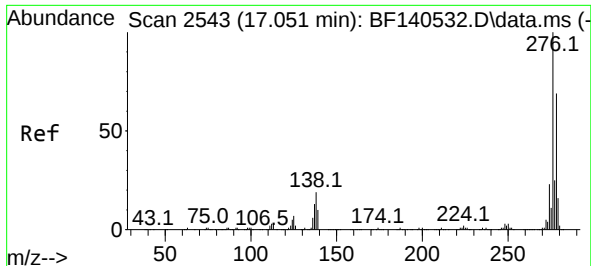
Ion Ratio Lower Upper

264 100

260 23.7 19.0 28.6

265 21.6 16.6 25.0

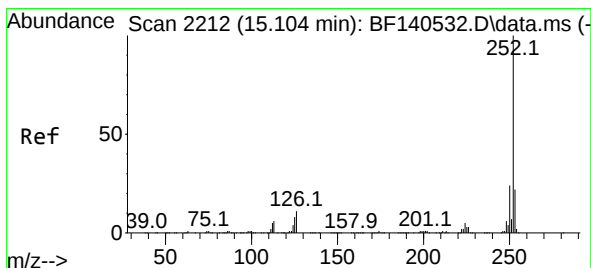
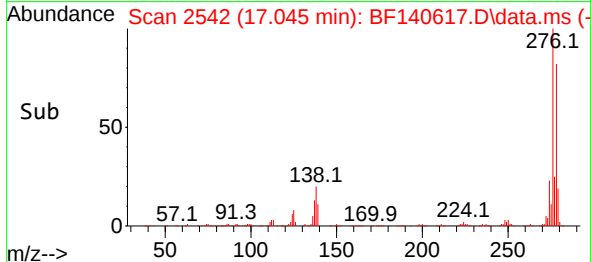
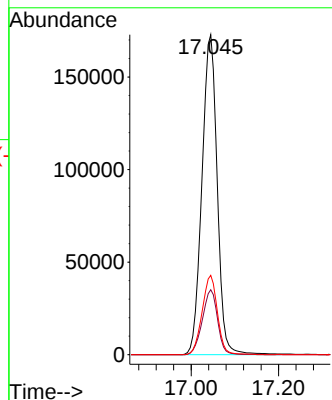
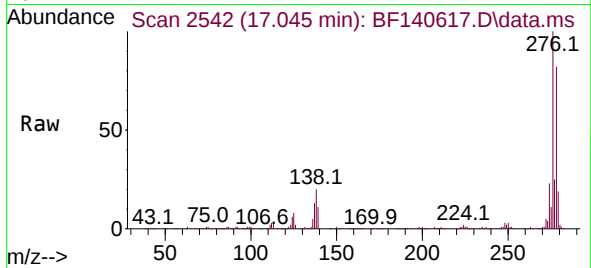




#87  
Indeno(1,2,3-cd)pyrene  
Concen: 51.262 ng  
RT: 17.045 min Scan# 2111  
Delta R.T. -0.006 min  
Lab File: BF140617.D  
Acq: 25 Nov 2024 21:37

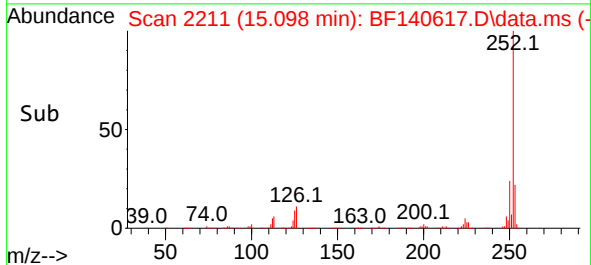
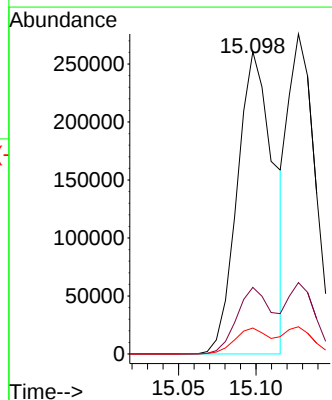
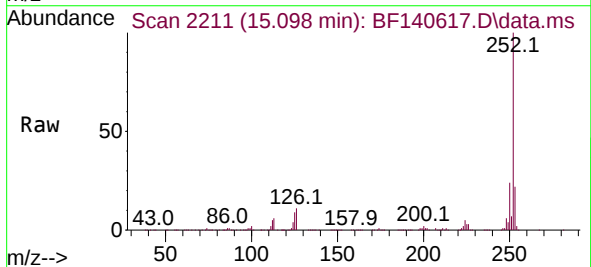
Instrument :  
BNA\_F  
ClientSampleId :  
PH2-BOT-006MSD

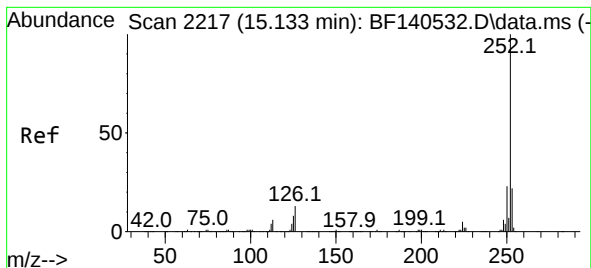
Tgt Ion:276 Resp: 420579  
Ion Ratio Lower Upper  
276 100  
138 20.1 15.5 23.3  
277 24.7 20.1 30.1



#88  
Benzo(b)fluoranthene  
Concen: 53.731 ng  
RT: 15.098 min Scan# 2211  
Delta R.T. -0.006 min  
Lab File: BF140617.D  
Acq: 25 Nov 2024 21:37

Tgt Ion:252 Resp: 424891  
Ion Ratio Lower Upper  
252 100  
253 22.0 17.2 25.8  
125 8.6 6.7 10.1





#89

Benzo(k)fluoranthene

Concen: 48.726 ng

RT: 15.127 min Scan# 2217

Delta R.T. -0.006 min

Lab File: BF140617.D

Acq: 25 Nov 2024 21:37

Instrument :

BNA\_F

ClientSampleId :

PH2-BOT-006MSD

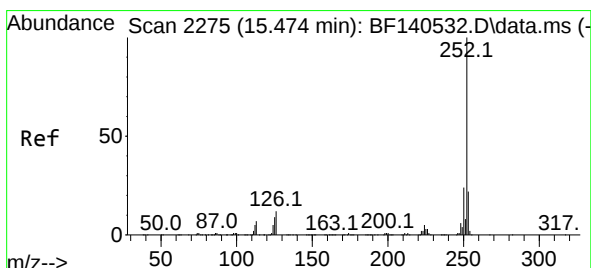
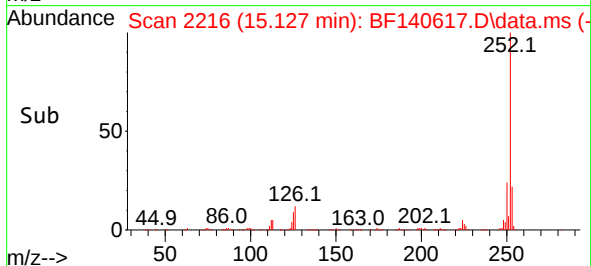
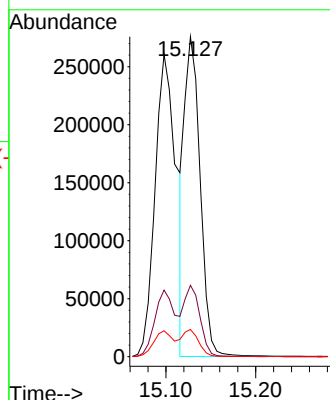
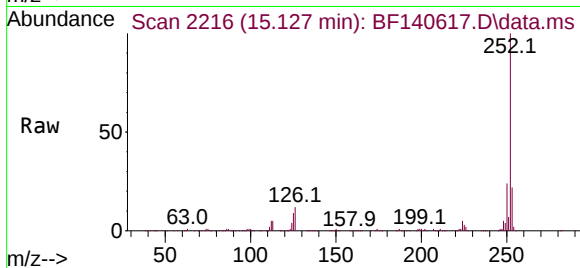
Tgt Ion:252 Resp: 337178

Ion Ratio Lower Upper

252 100

253 22.3 17.5 26.3

125 8.5 6.5 9.7



#90

Benzo(a)pyrene

Concen: 57.690 ng

RT: 15.474 min Scan# 2275

Delta R.T. 0.000 min

Lab File: BF140617.D

Acq: 25 Nov 2024 21:37

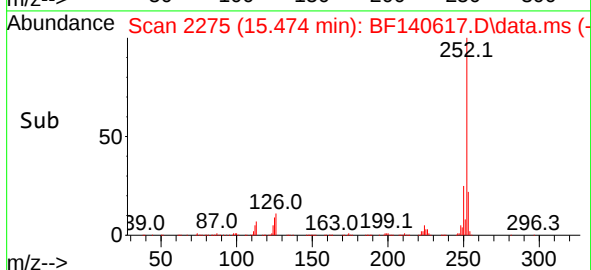
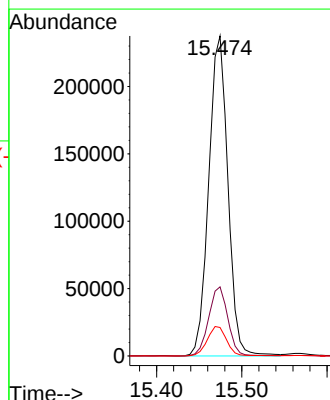
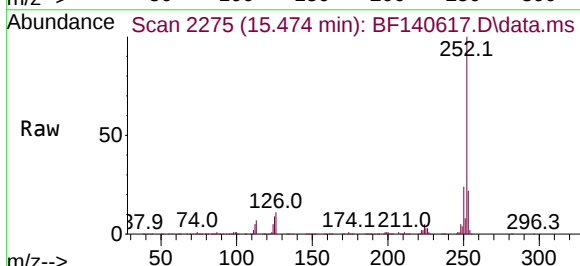
Tgt Ion:252 Resp: 370925

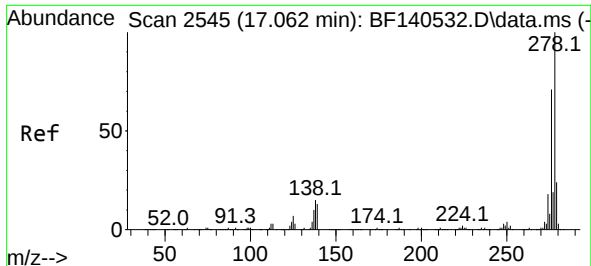
Ion Ratio Lower Upper

252 100

253 21.6 17.3 25.9

125 8.9 7.0 10.6

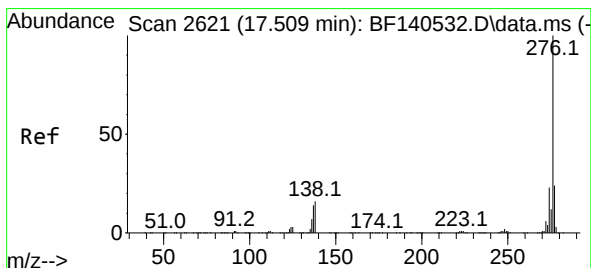
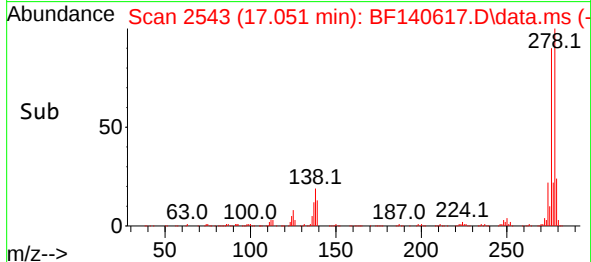
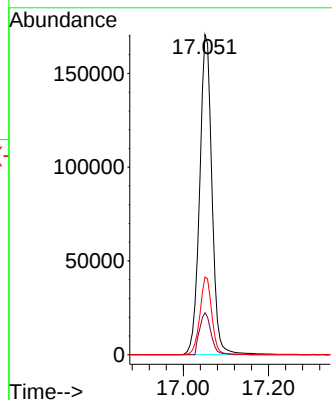
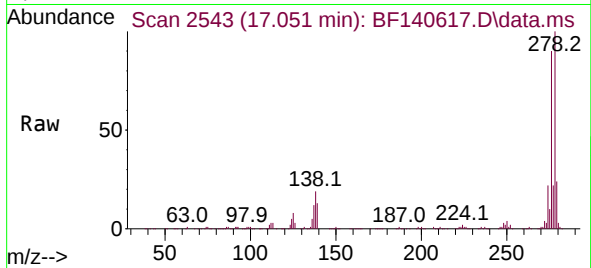




#91  
Dibenzo(a,h)anthracene  
Concen: 50.879 ng  
RT: 17.051 min Scan# 21  
Delta R.T. -0.012 min  
Lab File: BF140617.D  
Acq: 25 Nov 2024 21:37

Instrument :  
BNA\_F  
ClientSampleId :  
PH2-BOT-006MSD

Tgt Ion:278 Resp: 341865  
Ion Ratio Lower Upper  
278 100  
139 13.1 10.2 15.4  
279 24.2 18.9 28.3



#92  
Benzo(g,h,i)perylene  
Concen: 44.783 ng  
RT: 17.492 min Scan# 2618  
Delta R.T. -0.018 min  
Lab File: BF140617.D  
Acq: 25 Nov 2024 21:37

Tgt Ion:276 Resp: 307059  
Ion Ratio Lower Upper  
276 100  
277 23.3 18.9 28.3  
138 17.3 13.2 19.8

