

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF022125\  
 Data File : BF141726.D  
 Acq On : 21 Feb 2025 18:14  
 Operator : RC/JU  
 Sample : Q1393-01MSD  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SOIL-COMPMSD

Quant Time: Feb 21 21:49:29 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF020625.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Feb 06 16:58:59 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.781  | 152  | 93428    | 20.000  | ng    | -0.01    |
| 21) Naphthalene-d8            | 8.063  | 136  | 368497   | 20.000  | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.816  | 164  | 187214   | 20.000  | ng    | -0.02    |
| 64) Phenanthrene-d10          | 11.298 | 188  | 260341   | 20.000  | ng    | -0.02    |
| 76) Chrysene-d12              | 13.939 | 240  | 184303   | 20.000  | ng    | -0.02    |
| 86) Perylene-d12              | 15.374 | 264  | 150876   | 20.000  | ng    | -0.04    |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.410  | 112  | 604571   | 101.448 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.428  | 99   | 747459   | 99.235  | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.345  | 82   | 492996   | 69.780  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol      | 10.604 | 330  | 170055   | 90.424  | ng    | -0.02    |
| 45) 2-Fluorobiphenyl          | 9.134  | 172  | 883101   | 72.673  | ng    | -0.02    |
| 79) Terphenyl-d14             | 12.880 | 244  | 722590   | 66.188  | ng    | -0.02    |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.558  | 88   | 98985    | 41.269  | ng    | 97       |
| 3) Pyridine                   | 3.287  | 79   | 220783   | 38.682  | ng    | 94       |
| 4) n-Nitrosodimethylamine     | 3.240  | 42   | 141582   | 37.463  | ng    | 92       |
| 6) Aniline                    | 6.446  | 93   | 147199   | 20.833  | ng    | # 55     |
| 8) 2-Chlorophenol             | 6.569  | 128  | 266926   | 41.452  | ng    | 99       |
| 9) Benzaldehyde               | 6.328  | 77   | 117116   | 29.260  | ng    | 99       |
| 10) Phenol                    | 6.440  | 94   | 324721   | 41.421  | ng    | 86       |
| 11) bis(2-Chloroethyl)ether   | 6.516  | 93   | 245857   | 41.753  | ng    | 100      |
| 12) 1,3-Dichlorobenzene       | 6.722  | 146  | 285281   | 41.964  | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 6.798  | 146  | 287123   | 41.338  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 6.945  | 146  | 274099   | 42.519  | ng    | 100      |
| 15) Benzyl Alcohol            | 6.928  | 79   | 226999   | 39.300  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.057  | 45   | 386944   | 38.388  | ng    | 77       |
| 17) 2-Methylphenol            | 7.045  | 107  | 208507   | 41.377  | ng    | 96       |
| 18) Hexachloroethane          | 7.287  | 117  | 106613   | 41.475  | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 7.198  | 70   | 182885   | 40.592  | ng    | 94       |
| 20) 3+4-Methylphenols         | 7.204  | 107  | 271346   | 42.371  | ng    | # 72     |
| 22) Acetophenone              | 7.193  | 105  | 413246   | 45.082  | ng    | 93       |
| 24) Nitrobenzene              | 7.363  | 77   | 281283   | 40.829  | ng    | 99       |
| 25) Isophorone                | 7.604  | 82   | 489286   | 43.435  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.681  | 139  | 142192   | 41.485  | ng    | 95       |
| 27) 2,4-Dimethylphenol        | 7.722  | 122  | 210323   | 52.527  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.816  | 93   | 303846   | 42.094  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 7.928  | 162  | 222355   | 41.100  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.004  | 180  | 238588   | 40.498  | ng    | 99       |
| 31) Naphthalene               | 8.087  | 128  | 776256   | 40.469  | ng    | 100      |
| 32) Benzoic acid              | 7.863  | 122  | 152362   | 36.634  | ng    | 99       |
| 33) 4-Chloroaniline           | 8.151  | 127  | 37431    | 5.589   | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.198  | 225  | 151111   | 42.725  | ng    | 99       |
| 35) Caprolactam               | 8.510  | 113  | 57357    | 34.821  | ng    | 91       |
| 36) 4-Chloro-3-methylphenol   | 8.634  | 107  | 230487   | 38.461  | ng    | 98       |
| 37) 2-Methylnaphthalene       | 8.775  | 142  | 487035   | 39.019  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.875  | 142  | 467914   | 38.705  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 8.939  | 216  | 261681   | 48.313  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.922  | 237  | 199572   | 110.780 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 9.057  | 196  | 148390   | 42.389  | ng    | 98       |

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 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF020625.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Feb 06 16:58:59 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.110  | 196  | 156149   | 41.158 | ng    | 96       |
| 46) 1,1'-Biphenyl             | 9.239  | 154  | 685262   | 47.213 | ng    | 100      |
| 47) 2-Chloronaphthalene       | 9.263  | 162  | 463205   | 43.157 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.363  | 65   | 144295   | 40.060 | ng    | 97       |
| 49) Acenaphthylene            | 9.675  | 152  | 685649   | 42.950 | ng    | 99       |
| 50) Dimethylphthalate         | 9.539  | 163  | 546933   | 43.033 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.604  | 165  | 117010   | 42.115 | ng    | 97       |
| 52) Acenaphthene              | 9.845  | 154  | 430815   | 40.141 | ng    | 99       |
| 53) 3-Nitroaniline            | 9.775  | 138  | 62718    | 20.973 | ng    | 96       |
| 54) 2,4-Dinitrophenol         | 9.892  | 184  | 106124   | 64.268 | ng    | 91       |
| 55) Dibenzofuran              | 10.022 | 168  | 607233   | 38.547 | ng    | 99       |
| 56) 4-Nitrophenol             | 9.957  | 139  | 143873   | 64.812 | ng    | 95       |
| 57) 2,4-Dinitrotoluene        | 10.010 | 165  | 148094   | 40.039 | ng    | 99       |
| 58) Fluorene                  | 10.363 | 166  | 469956   | 38.583 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.145 | 232  | 122979   | 37.651 | ng    | 93       |
| 60) Diethylphthalate          | 10.239 | 149  | 508283   | 40.648 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.351 | 204  | 236788   | 40.409 | ng    | 99       |
| 62) 4-Nitroaniline            | 10.386 | 138  | 98665    | 32.494 | ng    | 97       |
| 63) Azobenzene                | 10.516 | 77   | 564933   | 45.445 | ng    | 90       |
| 65) 4,6-Dinitro-2-methylph... | 10.422 | 198  | 71256    | 39.401 | ng    | 90       |
| 66) n-Nitrosodiphenylamine    | 10.475 | 169  | 406355   | 48.760 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.845 | 248  | 136956   | 47.070 | ng    | 99       |
| 68) Hexachlorobenzene         | 10.910 | 284  | 140125   | 46.768 | ng    | 99       |
| 69) Atrazine                  | 11.004 | 200  | 144322   | 57.726 | ng    | 99       |
| 70) Pentachlorophenol         | 11.110 | 266  | 128272   | 66.955 | ng    | 99       |
| 71) Phenanthrene              | 11.322 | 178  | 611288   | 42.656 | ng    | 100      |
| 72) Anthracene                | 11.375 | 178  | 624653   | 43.361 | ng    | 100      |
| 73) Carbazole                 | 11.533 | 167  | 519008   | 40.040 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.857 | 149  | 652629   | 43.605 | ng    | 100      |
| 75) Fluoranthene              | 12.510 | 202  | 571495   | 37.615 | ng    | 99       |
| 77) Benzidine                 | 12.639 | 184  | 158072   | 38.889 | ng    | 98       |
| 78) Pyrene                    | 12.739 | 202  | 581984   | 37.095 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.357 | 149  | 245866   | 45.244 | ng    | 97       |
| 81) Benzo(a)anthracene        | 13.927 | 228  | 522266   | 42.630 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.892 | 252  | 120998   | 34.478 | ng    | 98       |
| 83) Chrysene                  | 13.963 | 228  | 477306   | 42.194 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 13.910 | 149  | 331301   | 54.054 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.521 | 149  | 543489   | 62.159 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.804 | 276  | 342420   | 36.731 | ng    | 100      |
| 88) Benzo(b)fluoranthene      | 14.963 | 252  | 429842   | 42.430 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 14.992 | 252  | 408858   | 47.263 | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.316 | 252  | 373556   | 45.570 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 16.815 | 278  | 281130   | 37.217 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.233 | 276  | 254920   | 32.249 | ng    | 99       |

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

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QLast Update : Thu Feb 06 16:58:59 2025  
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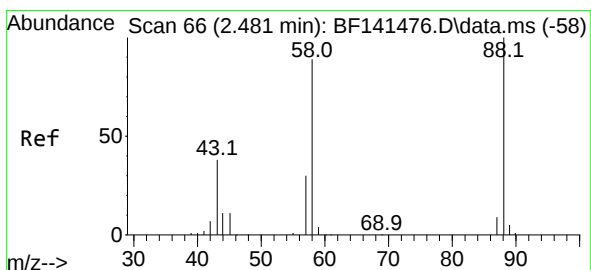
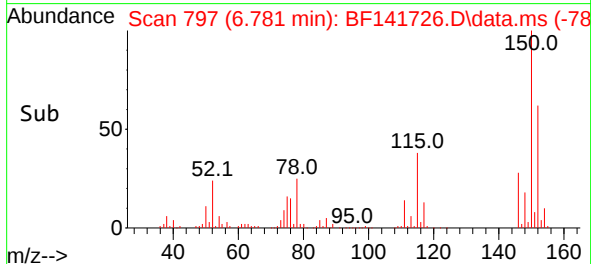
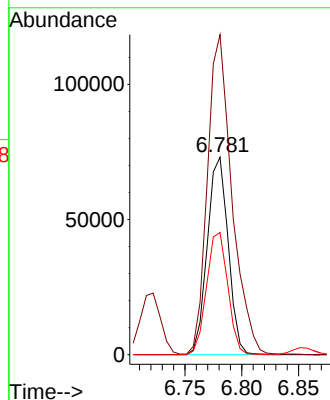
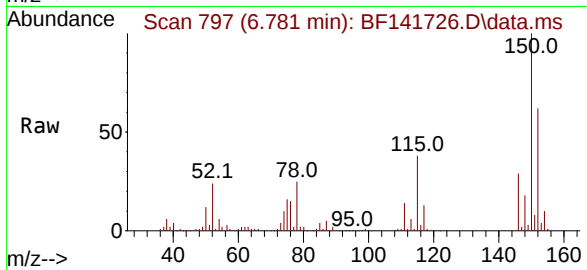




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.781 min Scan# 79  
 Delta R.T. -0.011 min  
 Lab File: BF141726.D  
 Acq: 21 Feb 2025 18:14

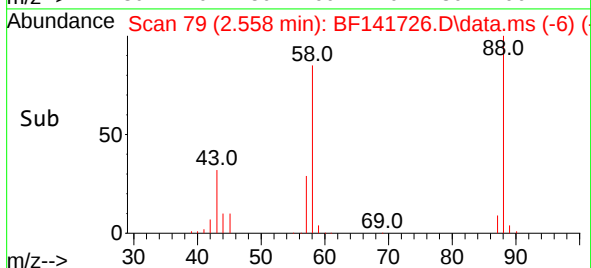
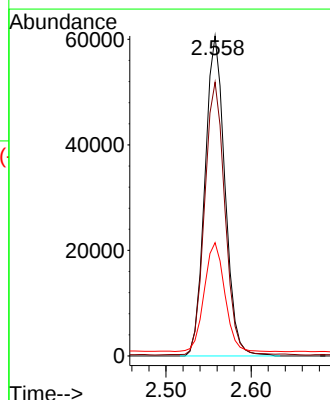
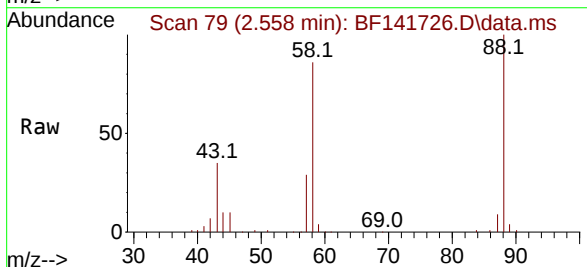
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SOIL-COMPMSD

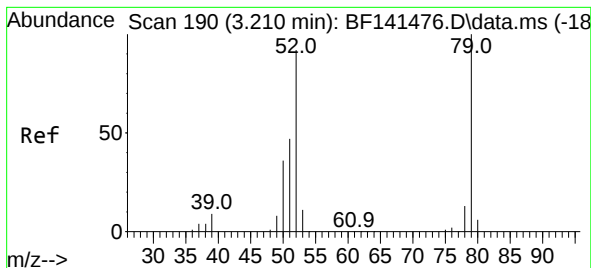
Tgt Ion:152 Resp: 93428  
 Ion Ratio Lower Upper  
 152 100  
 150 162.1 125.0 187.4  
 115 61.9 53.6 80.4



#2  
 1,4-Dioxane  
 Concen: 41.269 ng  
 RT: 2.558 min Scan# 79  
 Delta R.T. 0.077 min  
 Lab File: BF141726.D  
 Acq: 21 Feb 2025 18:14

Tgt Ion: 88 Resp: 98985  
 Ion Ratio Lower Upper  
 88 100  
 58 86.6 71.1 106.7  
 43 35.0 30.6 46.0





#3

Pyridine

Concen: 38.682 ng

RT: 3.287 min Scan# 20

Delta R.T. 0.071 min

Lab File: BF141726.D

Acq: 21 Feb 2025 18:14

Instrument :

BNA\_F

ClientSampleId :

SOIL-COMPMSD

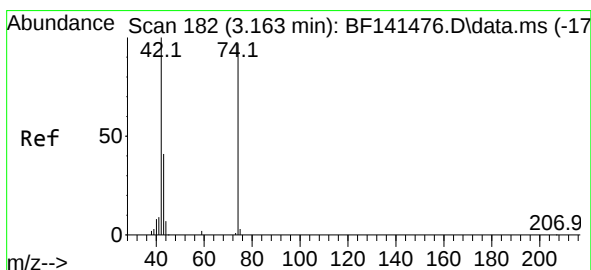
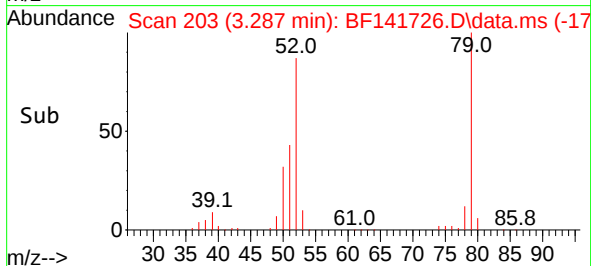
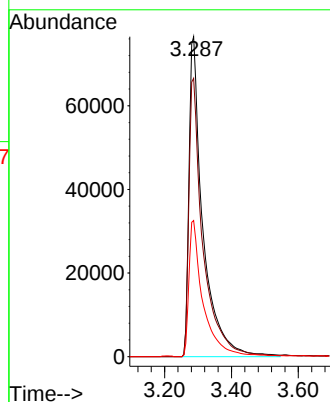
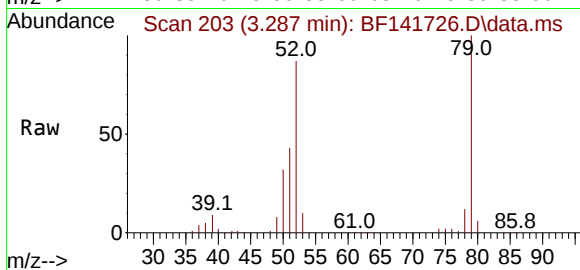
Tgt Ion: 79 Resp: 220783

Ion Ratio Lower Upper

79 100

52 87.0 73.7 110.5

51 42.5 37.5 56.3



#4

n-Nitrosodimethylamine

Concen: 37.463 ng

RT: 3.240 min Scan# 195

Delta R.T. 0.053 min

Lab File: BF141726.D

Acq: 21 Feb 2025 18:14

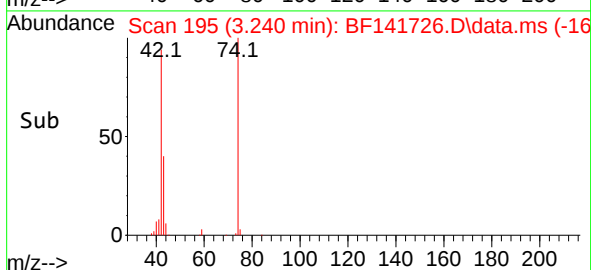
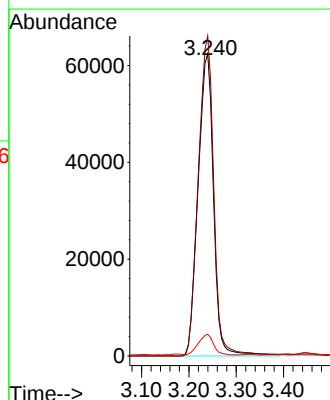
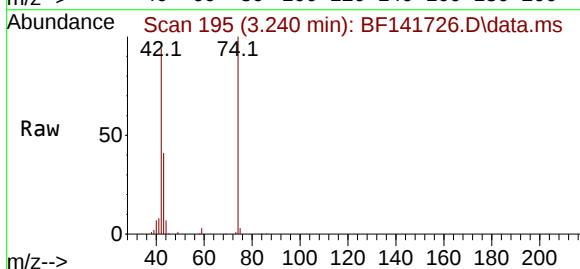
Tgt Ion: 42 Resp: 141582

Ion Ratio Lower Upper

42 100

74 105.9 78.0 117.0

44 7.2 5.4 8.2

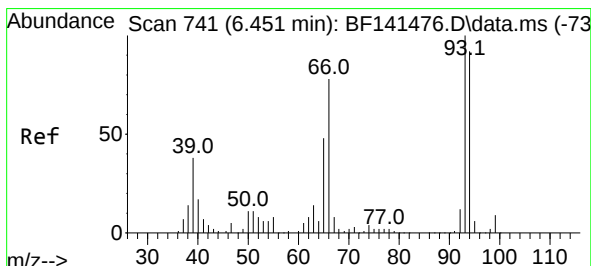
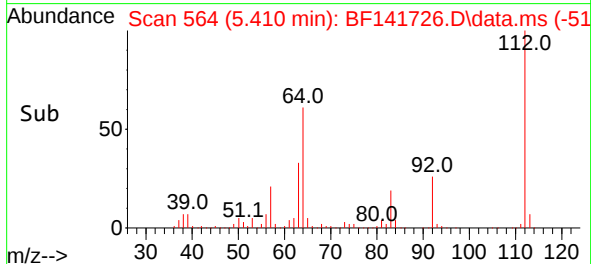
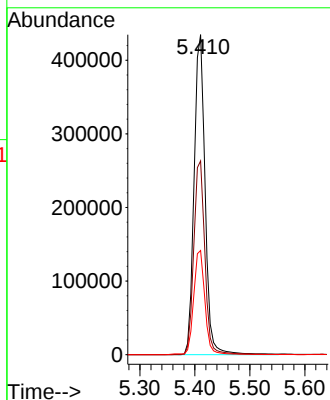
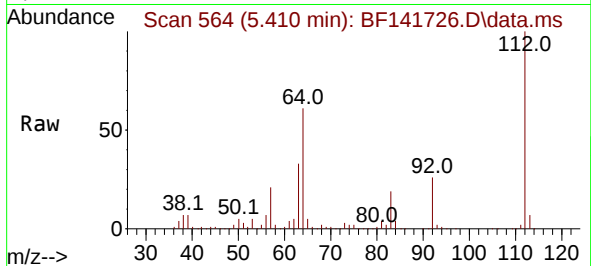




#5  
2-Fluorophenol  
Concen: 101.448 ng  
RT: 5.410 min Scan# 50  
Delta R.T. 0.000 min  
Lab File: BF141726.D  
Acq: 21 Feb 2025 18:14

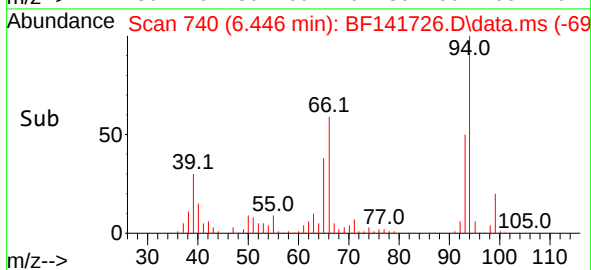
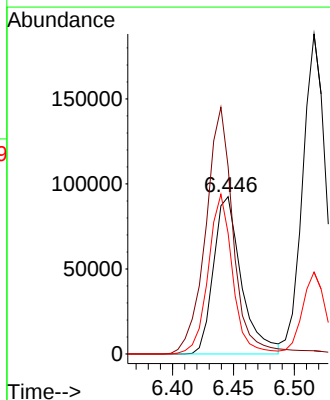
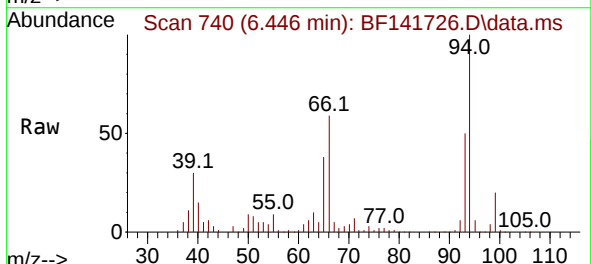
Instrument :  
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Tgt Ion:112 Resp: 604571  
Ion Ratio Lower Upper  
112 100  
64 60.6 51.1 76.7  
63 32.5 28.4 42.6



#6  
Aniline  
Concen: 20.833 ng  
RT: 6.446 min Scan# 740  
Delta R.T. -0.017 min  
Lab File: BF141726.D  
Acq: 21 Feb 2025 18:14

Tgt Ion: 93 Resp: 147199  
Ion Ratio Lower Upper  
93 100  
66 119.2 62.6 94.0#  
65 76.7 38.3 57.5#

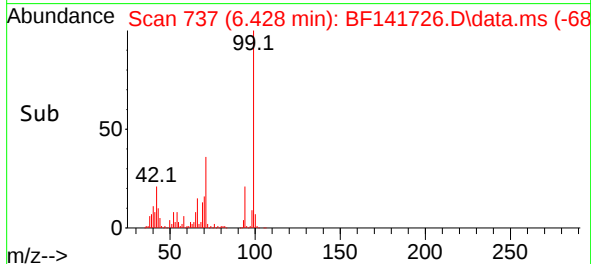
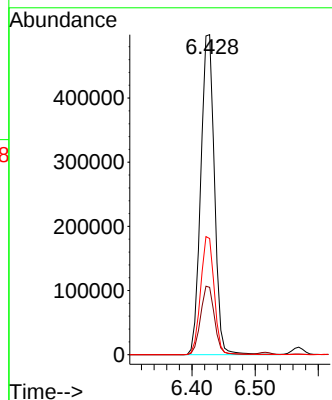
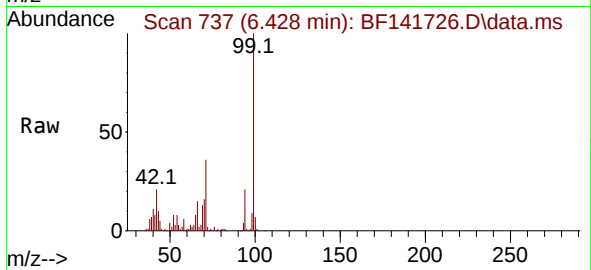




#7  
Phenol-d6  
Concen: 99.235 ng  
RT: 6.428 min Scan# 714  
Delta R.T. -0.012 min  
Lab File: BF141726.D  
Acq: 21 Feb 2025 18:14

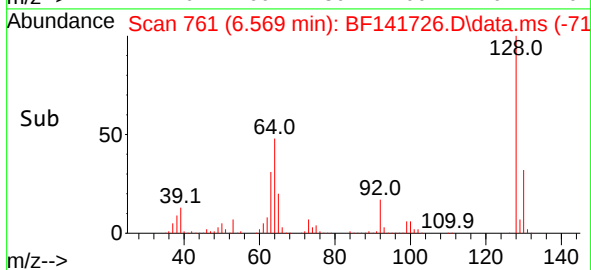
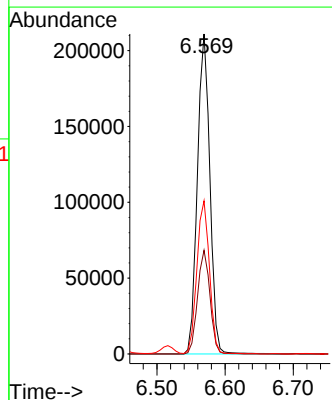
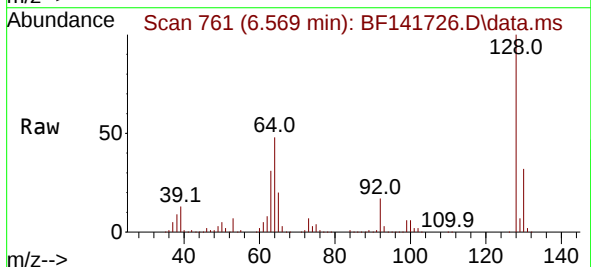
Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-COMPMSD

Tgt Ion: 99 Resp: 747459  
Ion Ratio Lower Upper  
99 100  
42 21.1 19.1 28.7  
71 36.3 31.1 46.7



#8  
2-Chlorophenol  
Concen: 41.452 ng  
RT: 6.569 min Scan# 761  
Delta R.T. -0.017 min  
Lab File: BF141726.D  
Acq: 21 Feb 2025 18:14

Tgt Ion:128 Resp: 266926  
Ion Ratio Lower Upper  
128 100  
130 32.4 12.7 52.7  
64 47.9 28.3 68.3

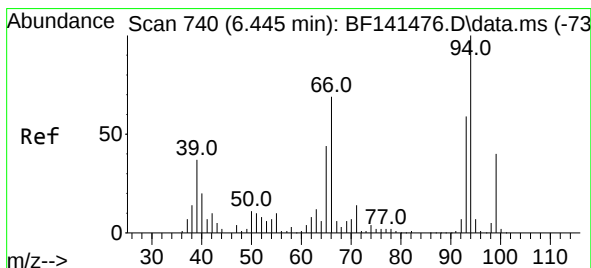
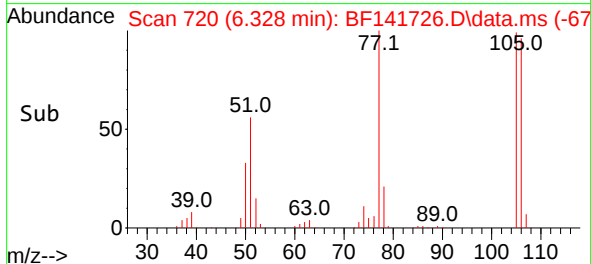
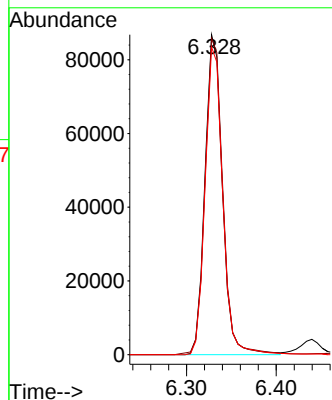
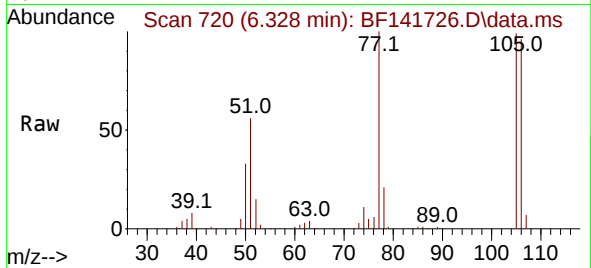




#9  
Benzaldehyde  
Concen: 29.260 ng  
RT: 6.328 min Scan# 711  
Delta R.T. -0.012 min  
Lab File: BF141726.D  
Acq: 21 Feb 2025 18:14

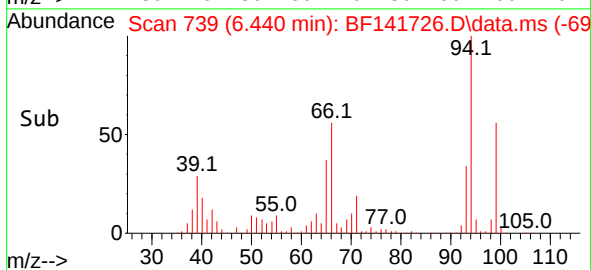
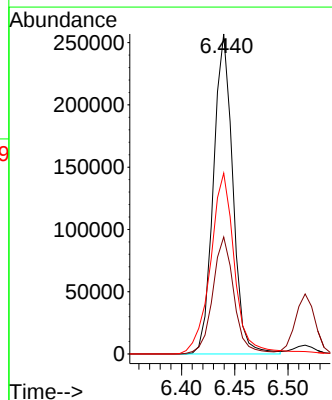
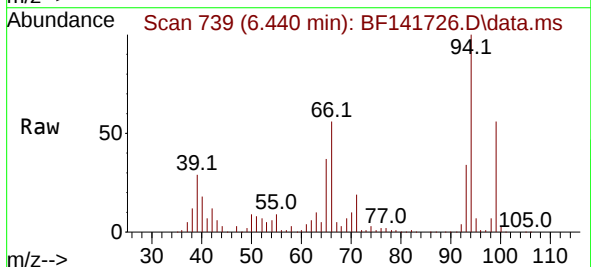
Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-COMPMSD

Tgt Ion: 77 Resp: 117116  
Ion Ratio Lower Upper  
77 100  
105 98.9 79.4 119.4  
106 96.1 75.1 115.1



#10  
Phenol  
Concen: 41.421 ng  
RT: 6.440 min Scan# 739  
Delta R.T. -0.017 min  
Lab File: BF141726.D  
Acq: 21 Feb 2025 18:14

Tgt Ion: 94 Resp: 324721  
Ion Ratio Lower Upper  
94 100  
65 36.6 23.7 63.7  
66 56.5 49.3 89.3

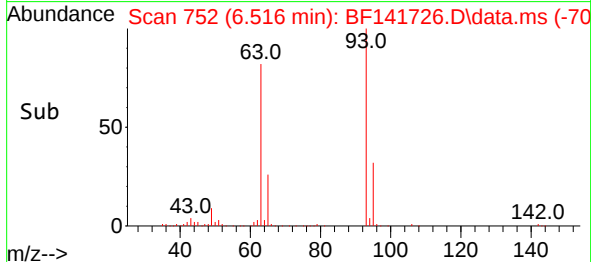
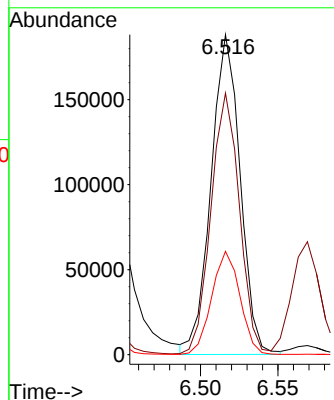
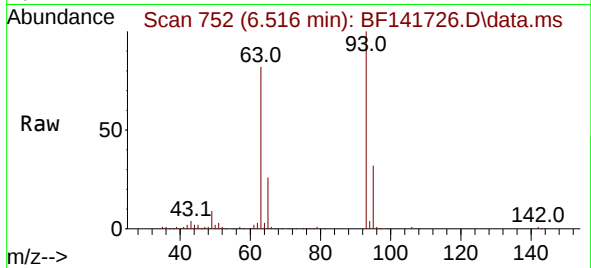




#11  
bis(2-Chloroethyl)ether  
Concen: 41.753 ng  
RT: 6.516 min Scan# 71  
Delta R.T. -0.017 min  
Lab File: BF141726.D  
Acq: 21 Feb 2025 18:14

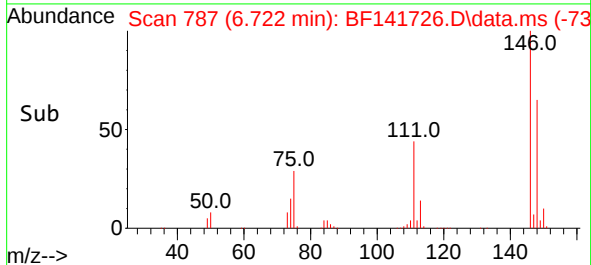
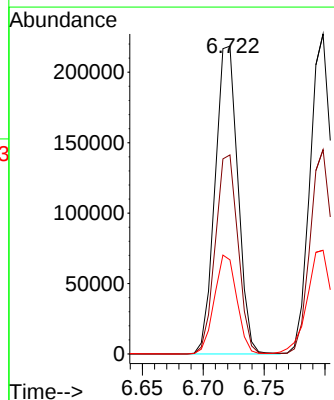
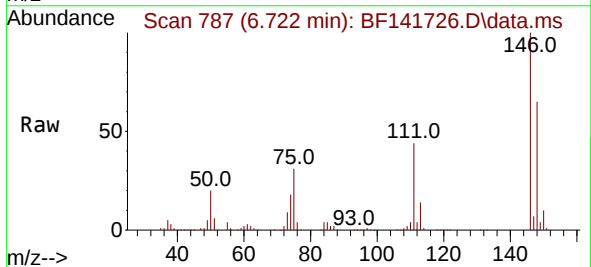
Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-COMPMSD

Tgt Ion: 93 Resp: 245857  
Ion Ratio Lower Upper  
93 100  
63 81.7 62.0 102.0  
95 32.3 12.6 52.6



#12  
1,3-Dichlorobenzene  
Concen: 41.964 ng  
RT: 6.722 min Scan# 787  
Delta R.T. -0.012 min  
Lab File: BF141726.D  
Acq: 21 Feb 2025 18:14

Tgt Ion:146 Resp: 285281  
Ion Ratio Lower Upper  
146 100  
148 64.7 51.9 77.9  
75 30.6 28.2 42.2





#13

1,4-Dichlorobenzene

Concen: 41.338 ng

RT: 6.798 min Scan# 801

Delta R.T. -0.012 min

Lab File: BF141726.D

Acq: 21 Feb 2025 18:14

Instrument :

BNA\_F

ClientSampleId :

SOIL-COMPMSD

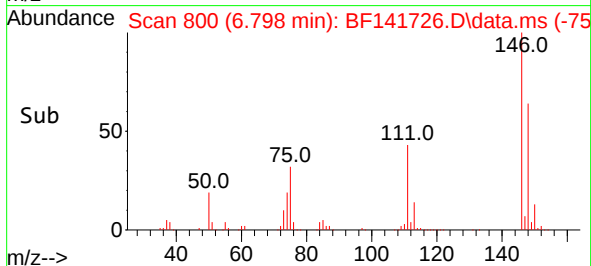
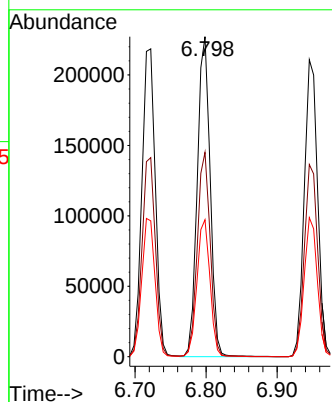
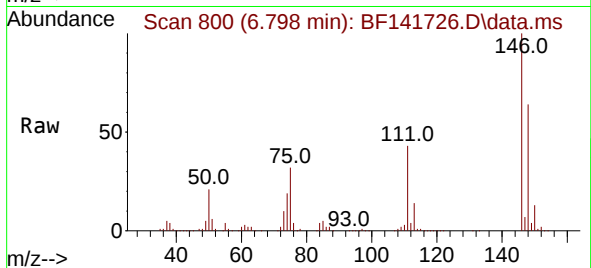
Tgt Ion:146 Resp: 287123

Ion Ratio Lower Upper

146 100

148 63.9 50.9 76.3

111 42.8 35.9 53.9



#14

1,2-Dichlorobenzene

Concen: 42.519 ng

RT: 6.945 min Scan# 825

Delta R.T. -0.017 min

Lab File: BF141726.D

Acq: 21 Feb 2025 18:14

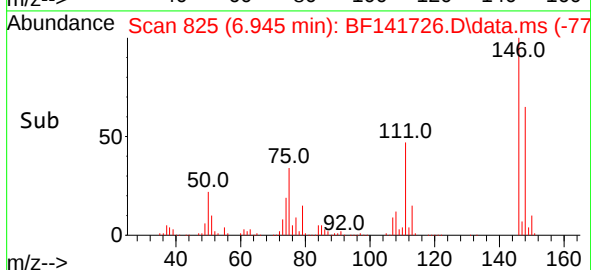
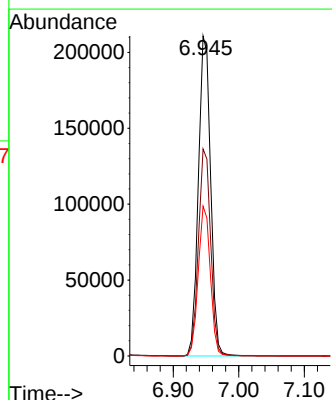
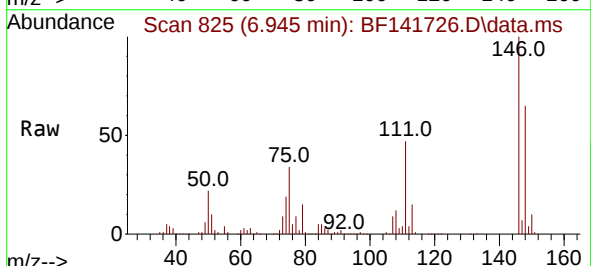
Tgt Ion:146 Resp: 274099

Ion Ratio Lower Upper

146 100

148 64.7 51.8 77.6

111 46.8 37.0 55.4

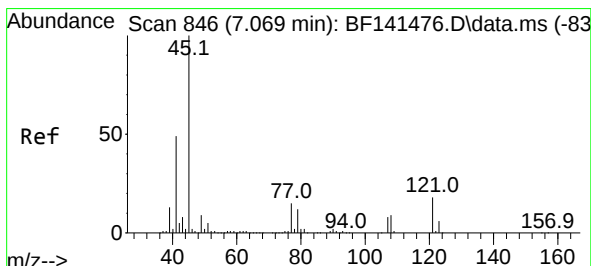
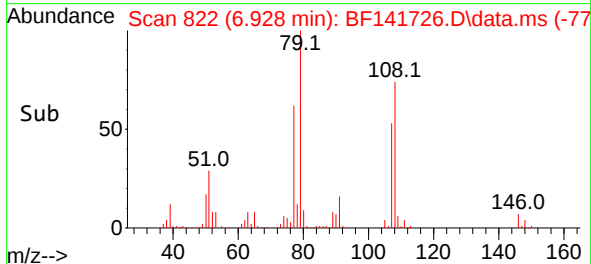
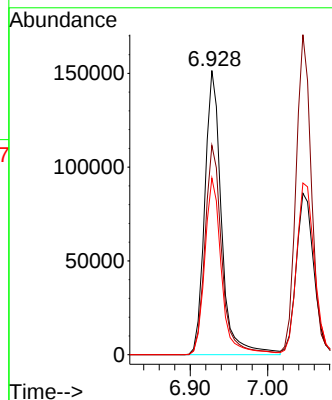
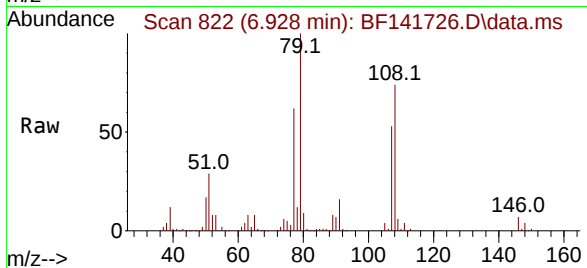




#15  
Benzyl Alcohol  
Concen: 39.300 ng  
RT: 6.928 min Scan# 81  
Delta R.T. -0.012 min  
Lab File: BF141726.D  
Acq: 21 Feb 2025 18:14

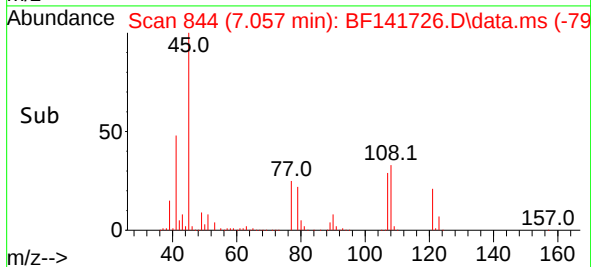
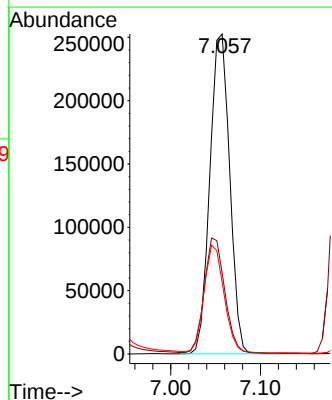
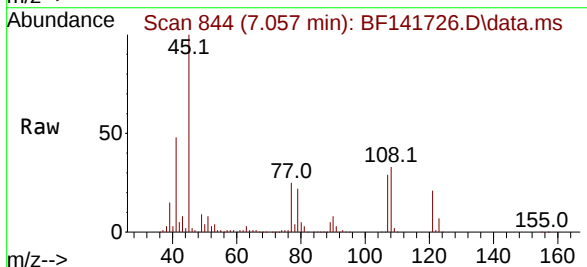
Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-COMPMSD

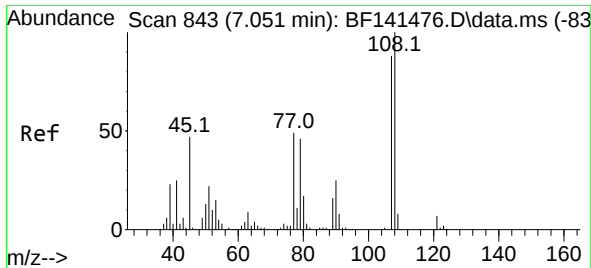
Tgt Ion: 79 Resp: 226999  
Ion Ratio Lower Upper  
79 100  
108 73.6 57.4 86.2  
77 62.2 50.9 76.3



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 38.388 ng  
RT: 7.057 min Scan# 844  
Delta R.T. -0.012 min  
Lab File: BF141726.D  
Acq: 21 Feb 2025 18:14

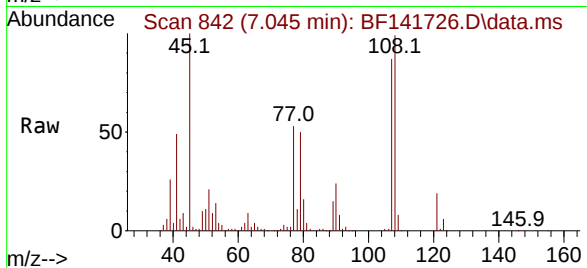
Tgt Ion: 45 Resp: 386944  
Ion Ratio Lower Upper  
45 100  
77 25.3 0.0 35.8  
79 22.4 0.0 32.7



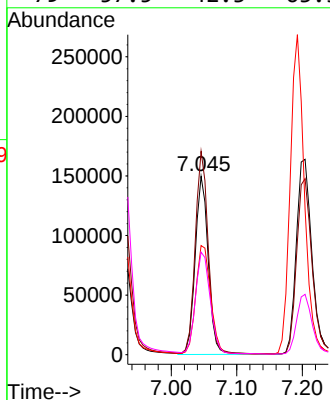
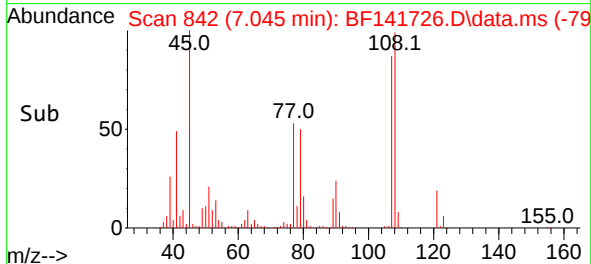


#17  
2-Methylphenol  
Concen: 41.377 ng  
RT: 7.045 min Scan# 843  
Delta R.T. -0.012 min  
Lab File: BF141726.D  
Acq: 21 Feb 2025 18:14

Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-COMPMSD

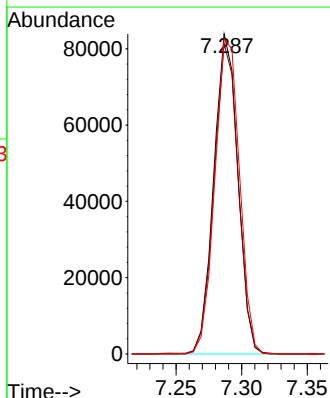
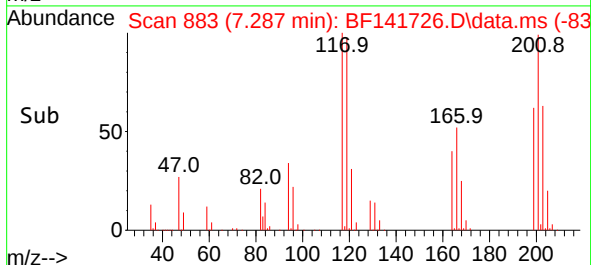
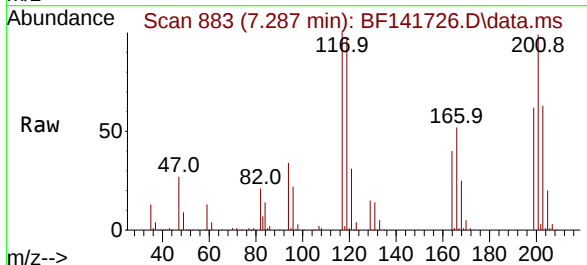


|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 208507 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 114.0 | 90.6  | 136.0  |
| 77       | 61.2  | 44.4  | 66.6   |
| 79       | 57.5  | 42.3  | 63.5   |



#18  
Hexachloroethane  
Concen: 41.475 ng  
RT: 7.287 min Scan# 883  
Delta R.T. -0.017 min  
Lab File: BF141726.D  
Acq: 21 Feb 2025 18:14

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 106613 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 97.0  | 76.5  | 114.7  |
| 201      | 98.5  | 76.7  | 115.1  |

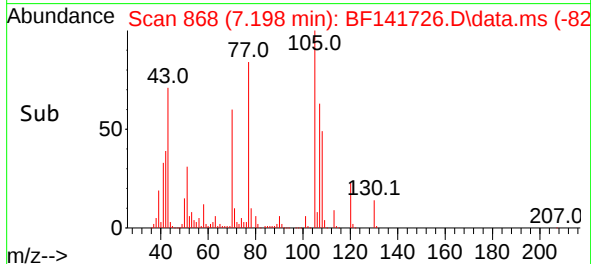
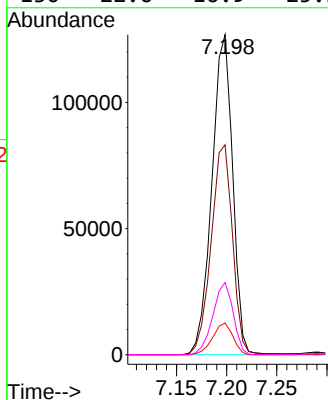
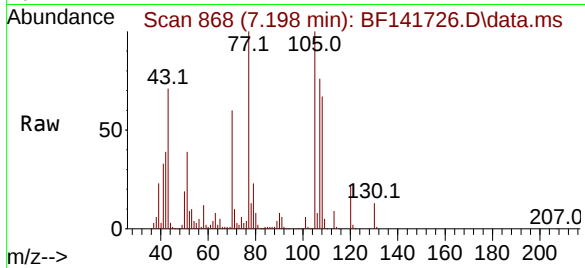




#19  
n-Nitroso-di-n-propylamine  
Concen: 40.592 ng  
RT: 7.198 min Scan# 868  
Delta R.T. -0.017 min  
Lab File: BF141726.D  
Acq: 21 Feb 2025 18:14

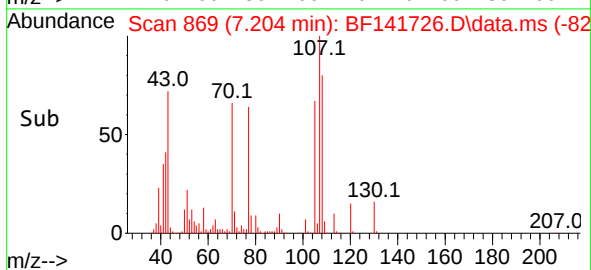
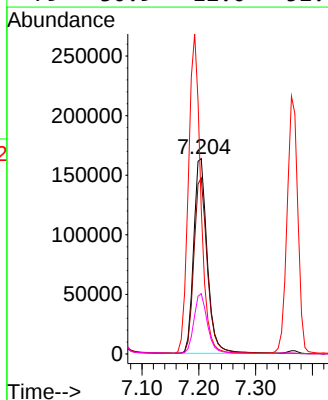
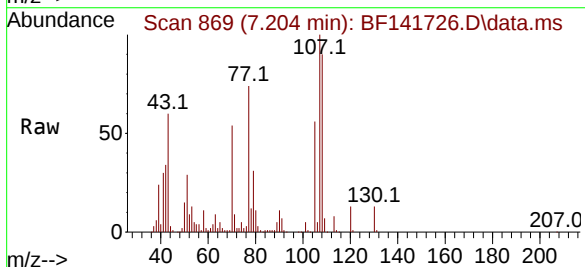
Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-COMPMSD

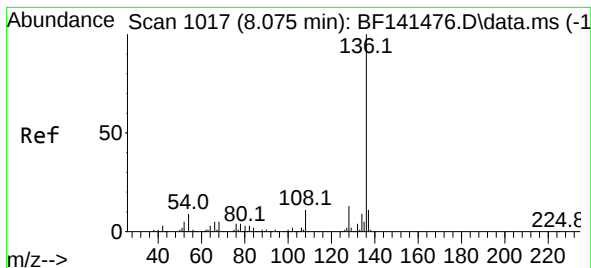
Tgt Ion: 70 Resp: 182885  
Ion Ratio Lower Upper  
70 100  
42 65.6 57.4 86.2  
101 9.9 8.0 12.0  
130 22.6 16.9 25.3



#20  
3+4-Methylphenols  
Concen: 42.371 ng  
RT: 7.204 min Scan# 869  
Delta R.T. -0.012 min  
Lab File: BF141726.D  
Acq: 21 Feb 2025 18:14

Tgt Ion: 107 Resp: 271346  
Ion Ratio Lower Upper  
107 100  
108 90.1 68.5 108.5  
77 74.4 116.5 156.5#  
79 30.9 12.0 52.0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.063 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141726.D

Acq: 21 Feb 2025 18:14

Instrument :

BNA\_F

ClientSampleId :

SOIL-COMPMSD

Tgt Ion:136 Resp: 368497

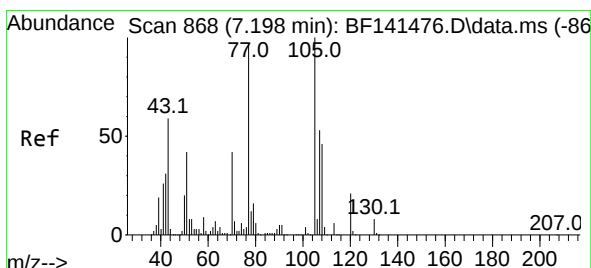
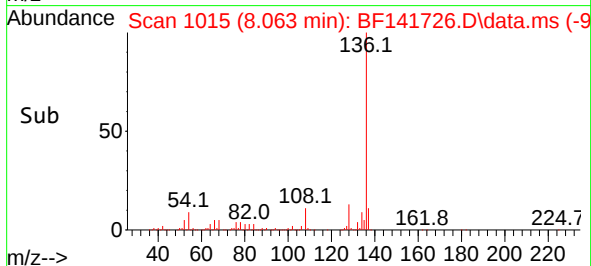
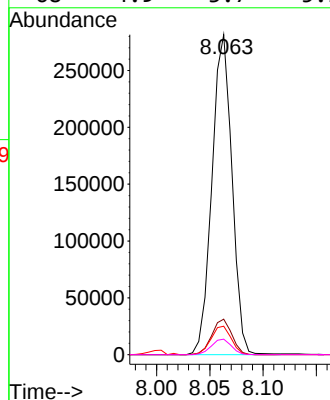
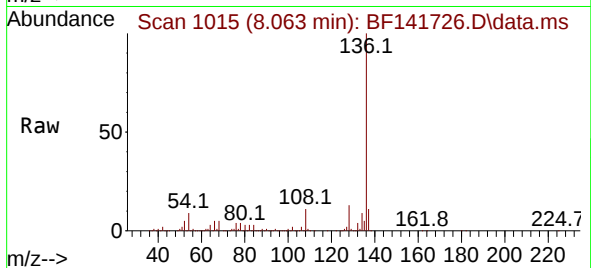
Ion Ratio Lower Upper

136 100

137 11.1 8.6 13.0

54 8.9 7.2 10.8

68 4.9 3.7 5.5



#22

Acetophenone

Concen: 45.082 ng

RT: 7.193 min Scan# 867

Delta R.T. -0.017 min

Lab File: BF141726.D

Acq: 21 Feb 2025 18:14

Tgt Ion:105 Resp: 413246

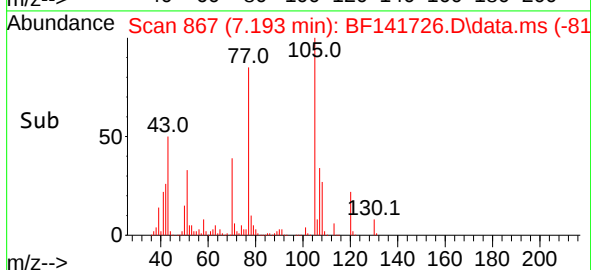
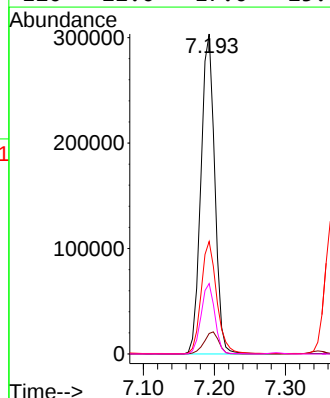
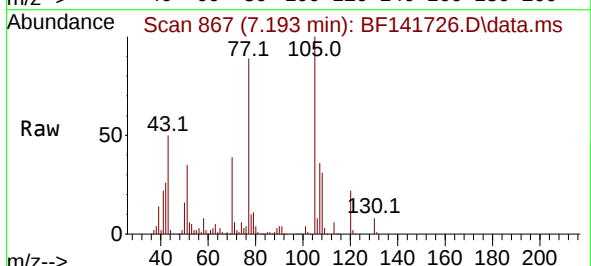
Ion Ratio Lower Upper

105 100

71 6.4 5.7 8.5

51 35.2 33.7 50.5

120 22.0 17.0 25.6





#23

Nitrobenzene-d5

Concen: 69.780 ng

RT: 7.345 min Scan# 895

Delta R.T. -0.017 min

Lab File: BF141726.D

Acq: 21 Feb 2025 18:14

Instrument :

BNA\_F

ClientSampleId :

SOIL-COMPMSD

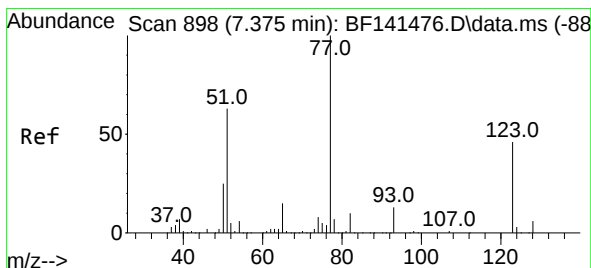
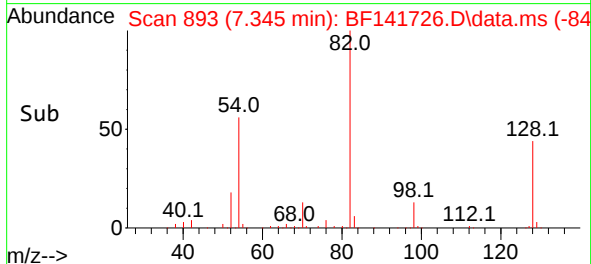
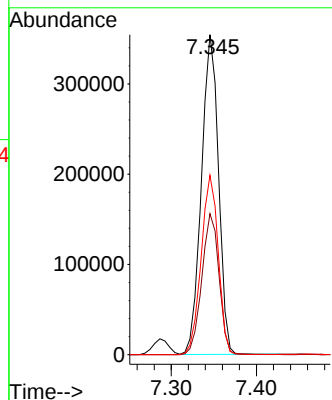
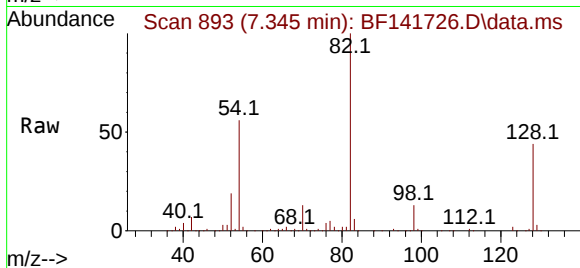
Tgt Ion: 82 Resp: 492996

Ion Ratio Lower Upper

82 100

128 44.0 34.8 52.2

54 56.0 48.2 72.4



#24

Nitrobenzene

Concen: 40.829 ng

RT: 7.363 min Scan# 896

Delta R.T. -0.017 min

Lab File: BF141726.D

Acq: 21 Feb 2025 18:14

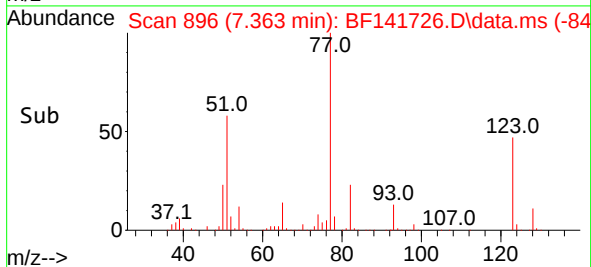
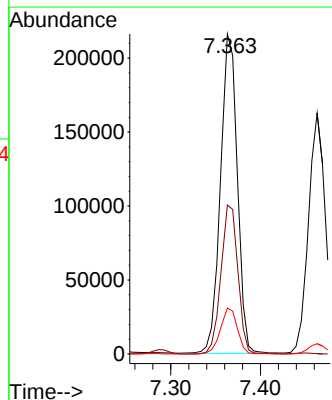
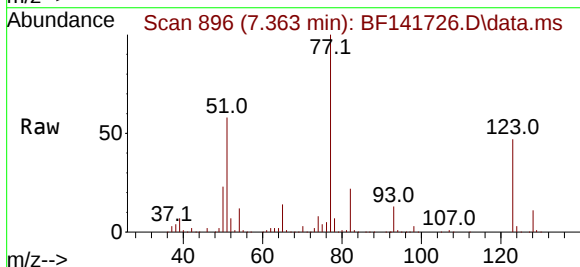
Tgt Ion: 77 Resp: 281283

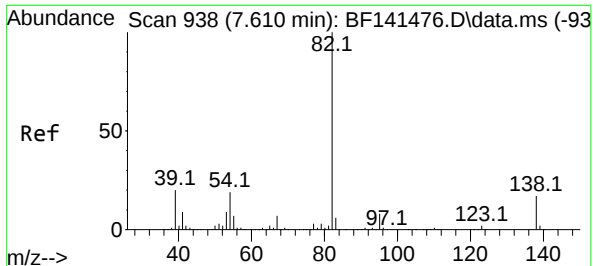
Ion Ratio Lower Upper

77 100

123 46.5 36.9 55.3

65 14.4 11.9 17.9

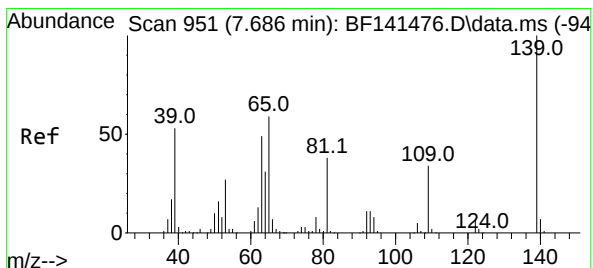
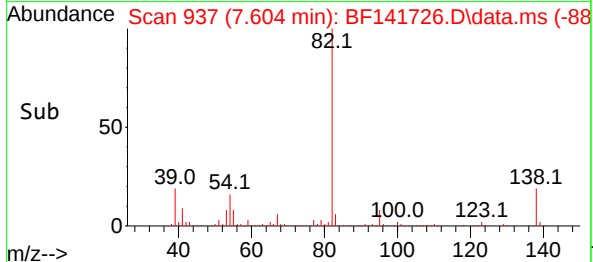
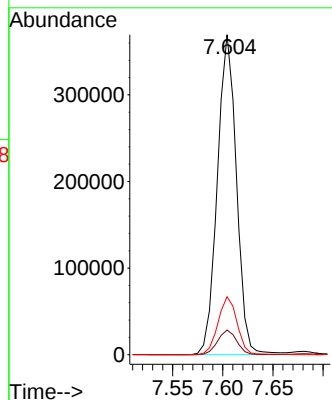
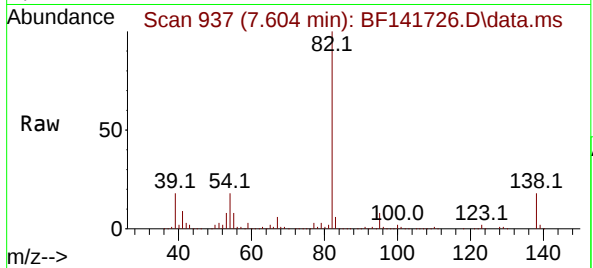




#25  
Isophorone  
Concen: 43.435 ng  
RT: 7.604 min Scan# 91  
Delta R.T. -0.017 min  
Lab File: BF141726.D  
Acq: 21 Feb 2025 18:14

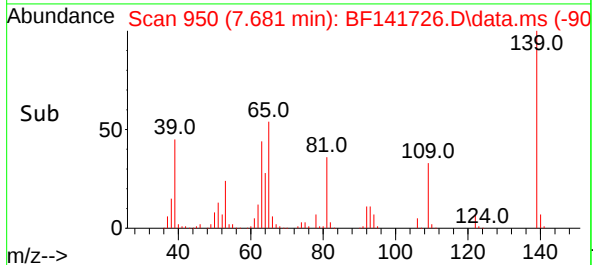
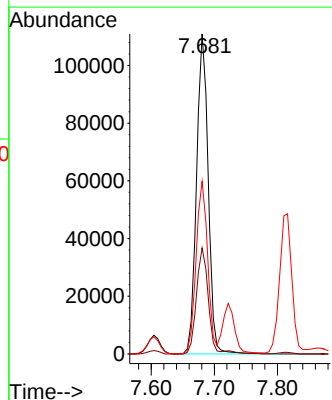
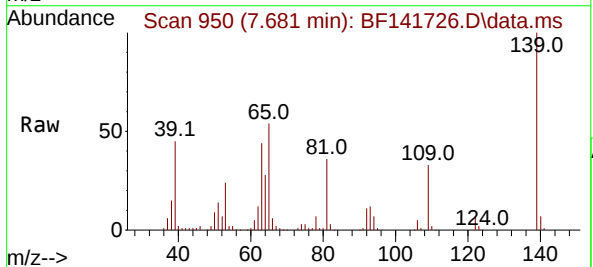
Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-COMPMSD

Tgt Ion: 82 Resp: 489286  
Ion Ratio Lower Upper  
82 100  
95 7.7 6.4 9.6  
138 18.1 13.9 20.9



#26  
2-Nitrophenol  
Concen: 41.485 ng  
RT: 7.681 min Scan# 950  
Delta R.T. -0.012 min  
Lab File: BF141726.D  
Acq: 21 Feb 2025 18:14

Tgt Ion:139 Resp: 142192  
Ion Ratio Lower Upper  
139 100  
109 33.2 27.0 40.6  
65 53.9 47.1 70.7

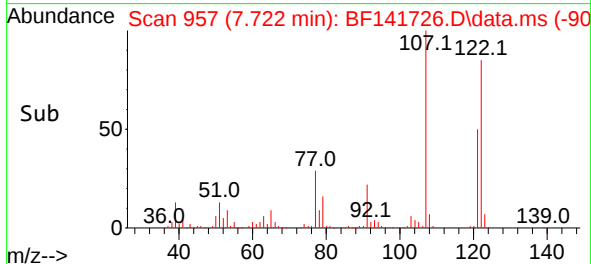
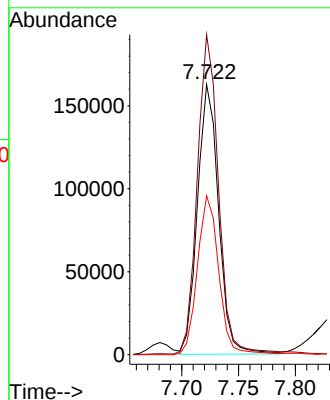
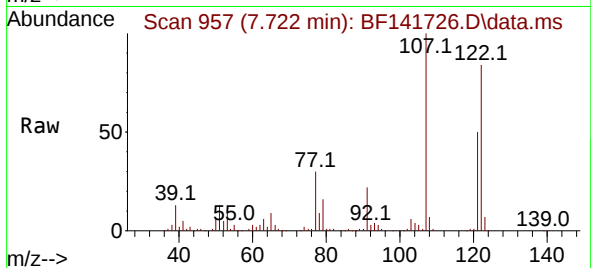




#27  
2,4-Dimethylphenol  
Concen: 52.527 ng  
RT: 7.722 min Scan# 91  
Delta R.T. -0.012 min  
Lab File: BF141726.D  
Acq: 21 Feb 2025 18:14

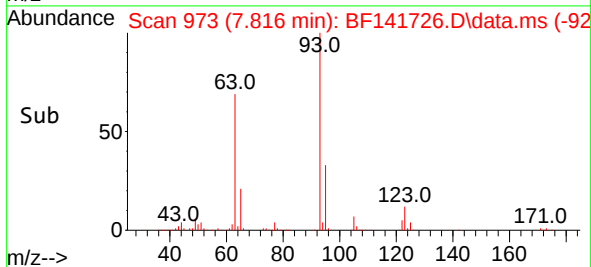
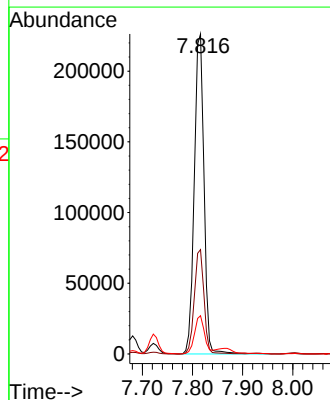
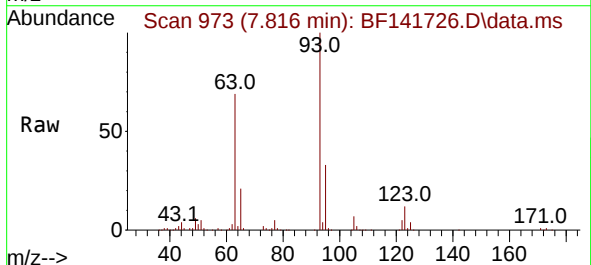
Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-COMPMSD

Tgt Ion:122 Resp: 210323  
Ion Ratio Lower Upper  
122 100  
107 118.4 94.3 141.5  
121 58.8 46.0 69.0



#28  
bis(2-Chloroethoxy)methane  
Concen: 42.094 ng  
RT: 7.816 min Scan# 973  
Delta R.T. -0.012 min  
Lab File: BF141726.D  
Acq: 21 Feb 2025 18:14

Tgt Ion: 93 Resp: 303846  
Ion Ratio Lower Upper  
93 100  
95 32.6 26.1 39.1  
123 12.0 9.5 14.3





#29

2,4-Dichlorophenol

Concen: 41.100 ng

RT: 7.928 min Scan# 994

Delta R.T. -0.012 min

Lab File: BF141726.D

Acq: 21 Feb 2025 18:14

Instrument :

BNA\_F

ClientSampleId :

SOIL-COMPMSD

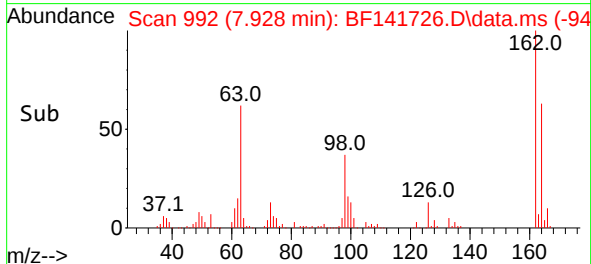
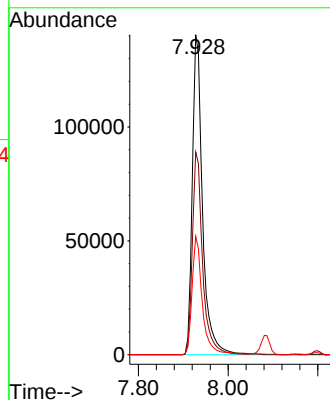
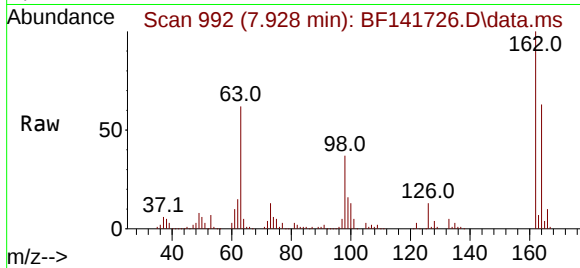
Tgt Ion:162 Resp: 222355

Ion Ratio Lower Upper

162 100

164 63.4 44.6 84.6

98 37.0 17.2 57.2



#30

1,2,4-Trichlorobenzene

Concen: 40.498 ng

RT: 8.004 min Scan# 1005

Delta R.T. -0.012 min

Lab File: BF141726.D

Acq: 21 Feb 2025 18:14

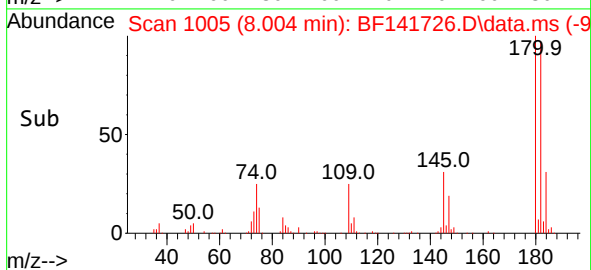
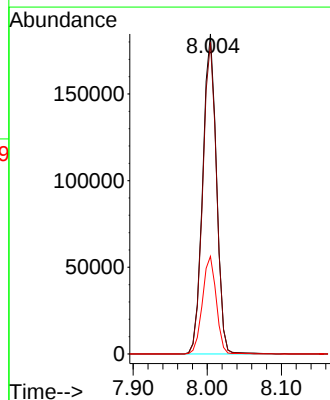
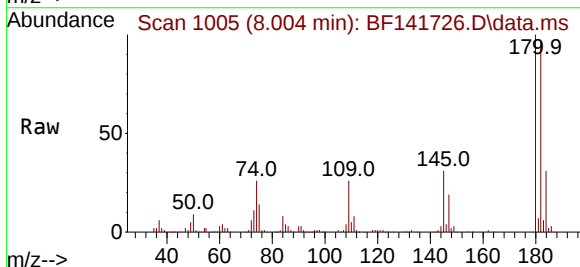
Tgt Ion:180 Resp: 238588

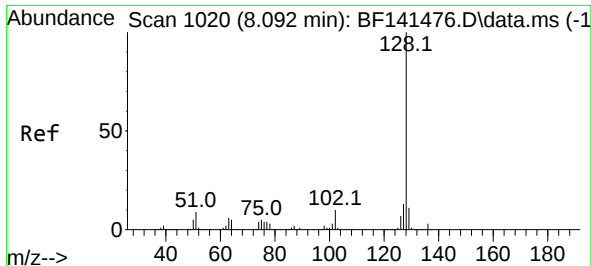
Ion Ratio Lower Upper

180 100

182 97.4 76.8 115.2

145 30.5 24.2 36.4

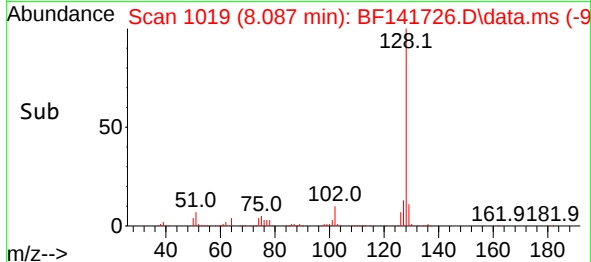
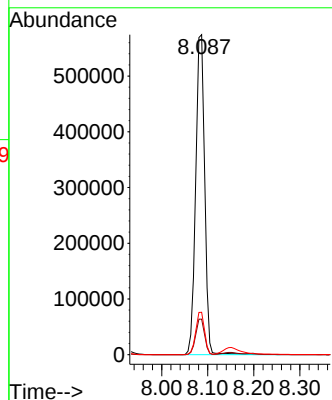
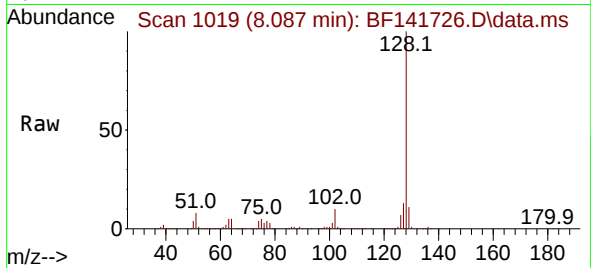




#31  
Naphthalene  
Concen: 40.469 ng  
RT: 8.087 min Scan# 1019  
Delta R.T. -0.012 min  
Lab File: BF141726.D  
Acq: 21 Feb 2025 18:14

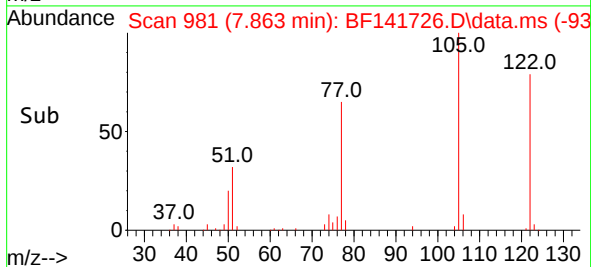
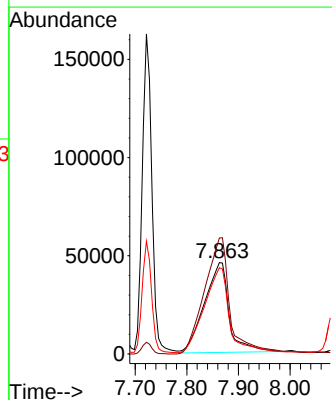
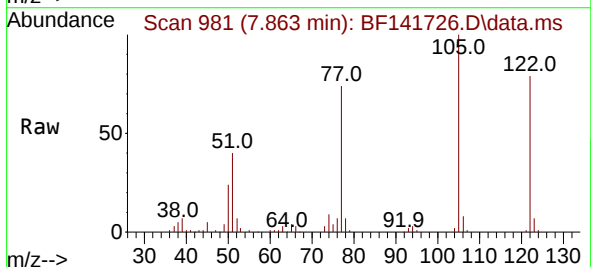
Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-COMPMSD

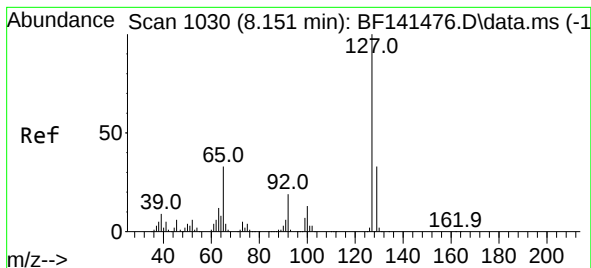
Tgt Ion:128 Resp: 776256  
Ion Ratio Lower Upper  
128 100  
129 11.1 8.9 13.3  
127 13.2 10.7 16.1



#32  
Benzoic acid  
Concen: 36.634 ng  
RT: 7.863 min Scan# 981  
Delta R.T. -0.029 min  
Lab File: BF141726.D  
Acq: 21 Feb 2025 18:14

Tgt Ion:122 Resp: 152362  
Ion Ratio Lower Upper  
122 100  
105 127.1 106.5 146.5  
77 94.4 76.3 116.3

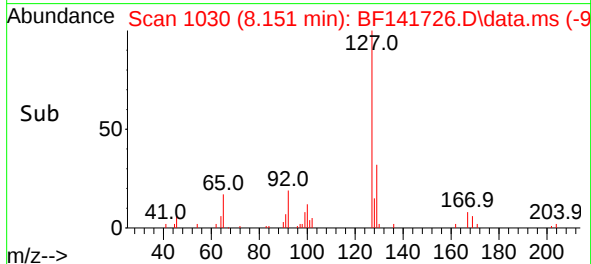
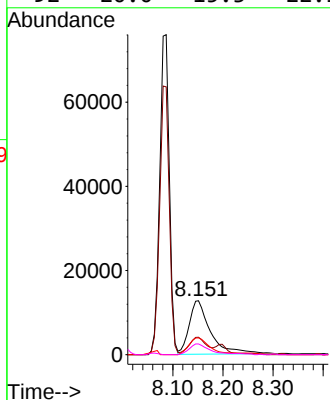
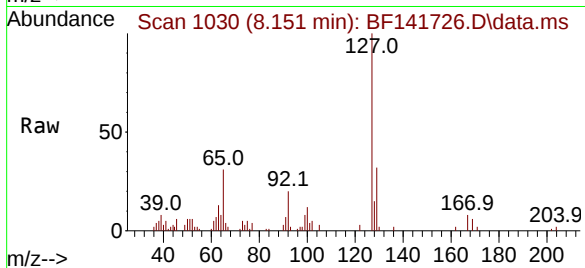




#33  
4-Chloroaniline  
Concen: 5.589 ng  
RT: 8.151 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: BF141726.D  
Acq: 21 Feb 2025 18:14

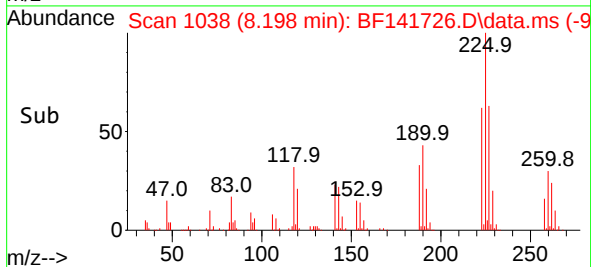
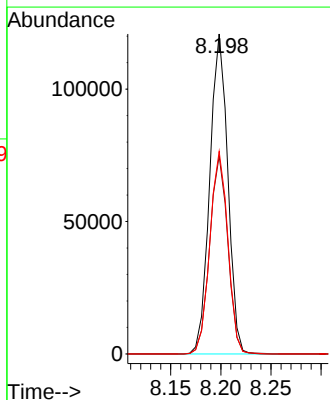
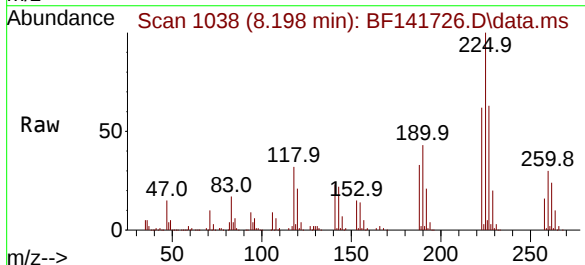
Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-COMPMSD

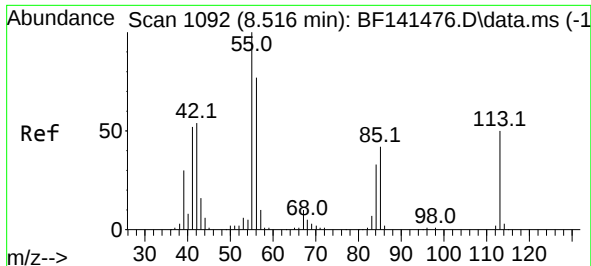
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 127   | Resp: | 37431 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 32.5  | 26.5  | 39.7  |
| 65       | 31.2  | 26.4  | 39.6  |
| 92       | 20.0  | 15.3  | 22.9  |



#34  
Hexachlorobutadiene  
Concen: 42.725 ng  
RT: 8.198 min Scan# 1038  
Delta R.T. -0.012 min  
Lab File: BF141726.D  
Acq: 21 Feb 2025 18:14

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 151111 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 61.9  | 50.1  | 75.1   |
| 227      | 63.3  | 51.0  | 76.6   |

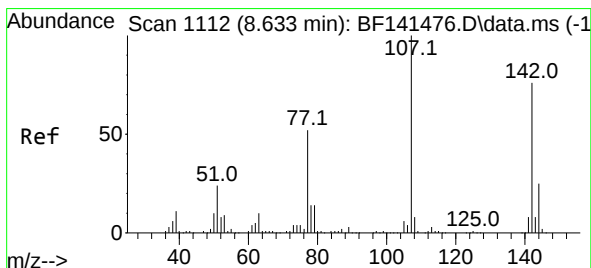
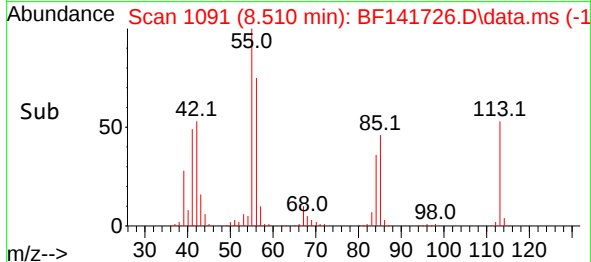
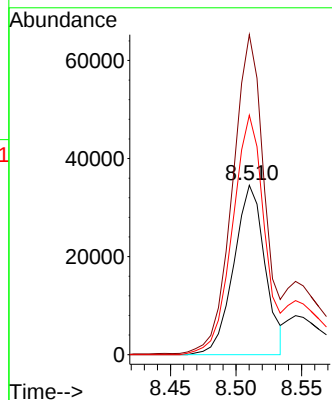
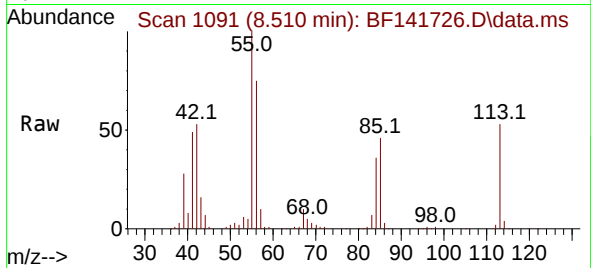




#35  
Caprolactam  
Concen: 34.821 ng  
RT: 8.510 min Scan# 1092  
Delta R.T. -0.035 min  
Lab File: BF141726.D  
Acq: 21 Feb 2025 18:14

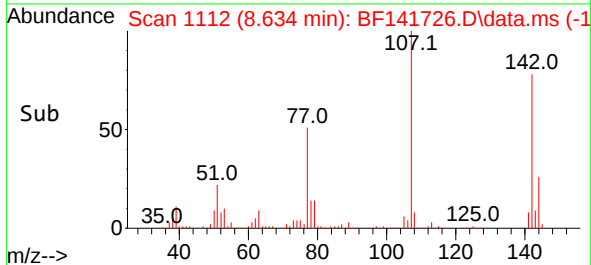
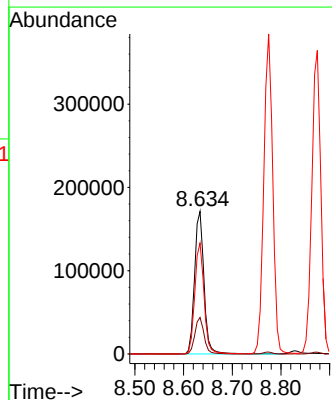
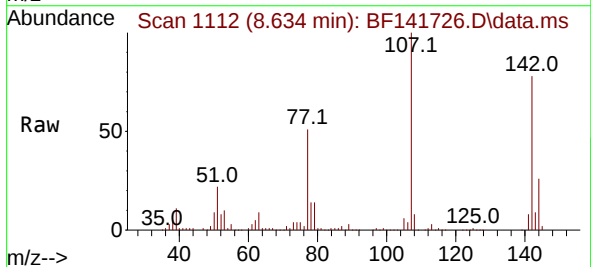
Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-COMPMSD

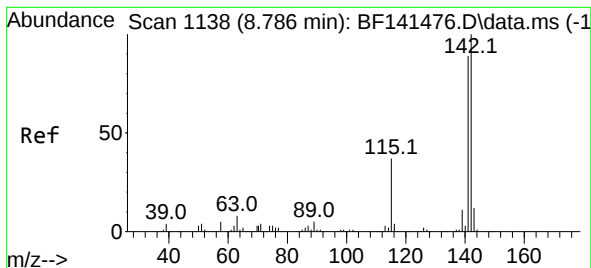
Tgt Ion:113 Resp: 57357  
Ion Ratio Lower Upper  
113 100  
55 188.8 180.8 220.8  
56 141.3 133.6 173.6



#36  
4-Chloro-3-methylphenol  
Concen: 38.461 ng  
RT: 8.634 min Scan# 1112  
Delta R.T. -0.006 min  
Lab File: BF141726.D  
Acq: 21 Feb 2025 18:14

Tgt Ion:107 Resp: 230487  
Ion Ratio Lower Upper  
107 100  
144 25.6 19.7 29.5  
142 77.8 60.8 91.2





#37

2-Methylnaphthalene

Concen: 39.019 ng

RT: 8.775 min Scan# 1136

Delta R.T. -0.012 min

Lab File: BF141726.D

Acq: 21 Feb 2025 18:14

Instrument :

BNA\_F

ClientSampleId :

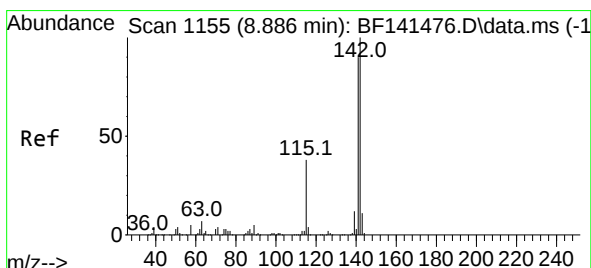
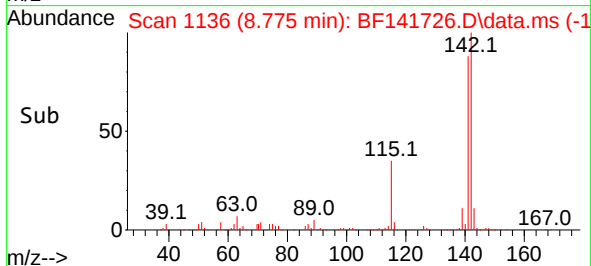
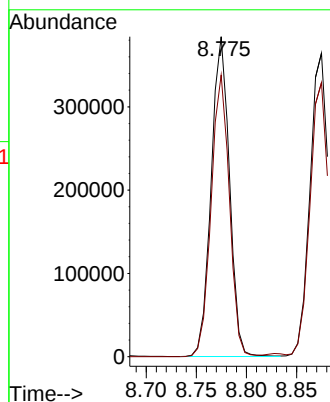
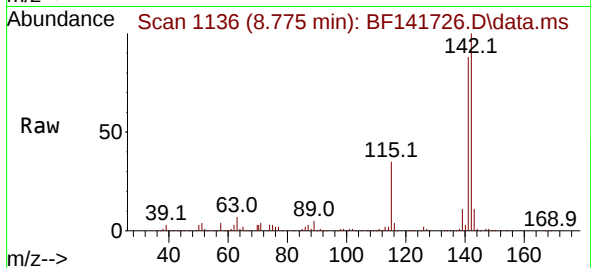
SOIL-COMPMSD

Tgt Ion:142 Resp: 487035

Ion Ratio Lower Upper

142 100

141 88.0 71.2 106.8



#38

1-Methylnaphthalene

Concen: 38.705 ng

RT: 8.875 min Scan# 1153

Delta R.T. -0.012 min

Lab File: BF141726.D

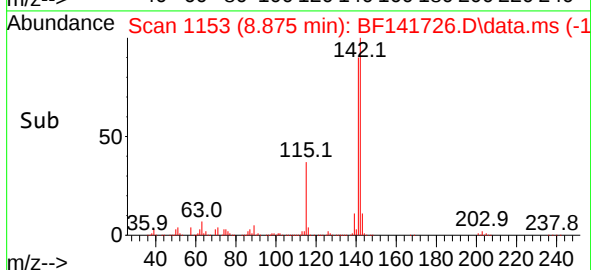
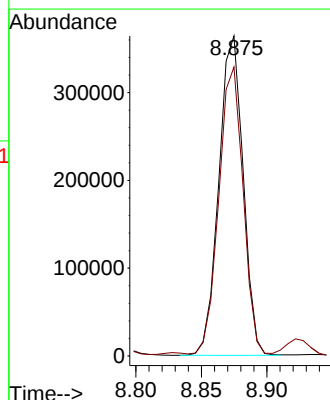
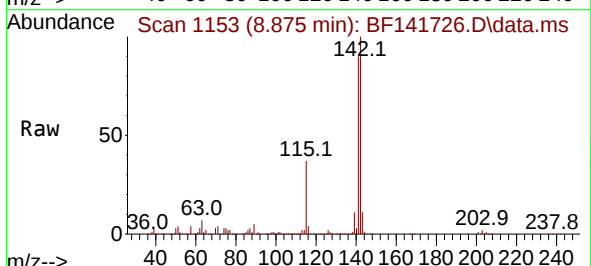
Acq: 21 Feb 2025 18:14

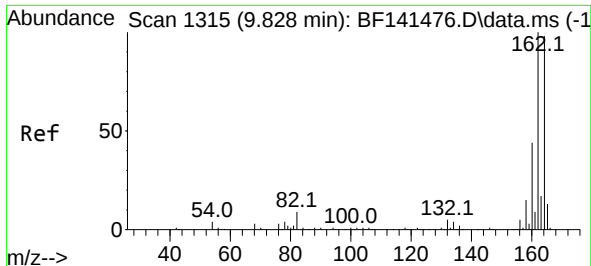
Tgt Ion:142 Resp: 467914

Ion Ratio Lower Upper

142 100

141 90.3 72.1 108.1

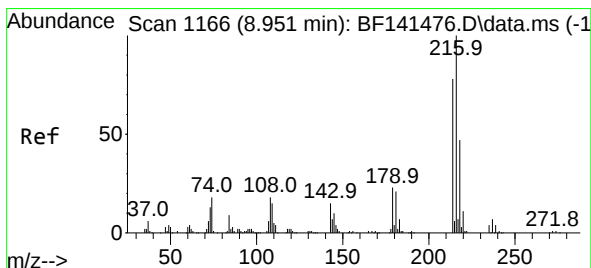
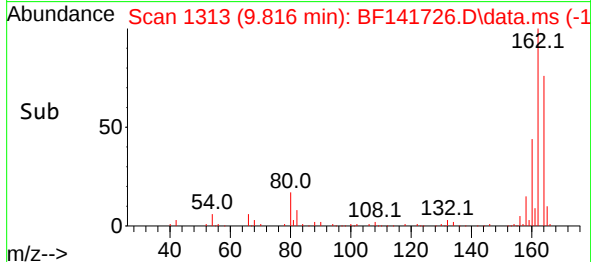
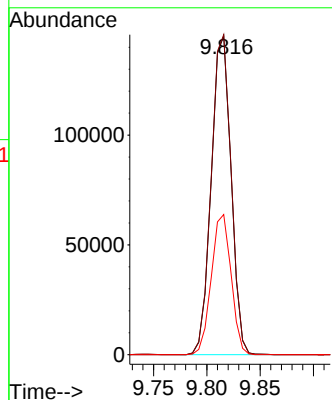
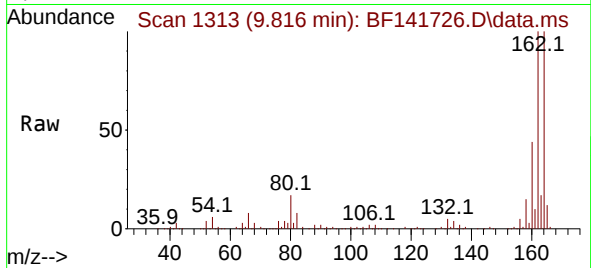




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.816 min Scan# 1164  
Delta R.T. -0.017 min  
Lab File: BF141726.D  
Acq: 21 Feb 2025 18:14

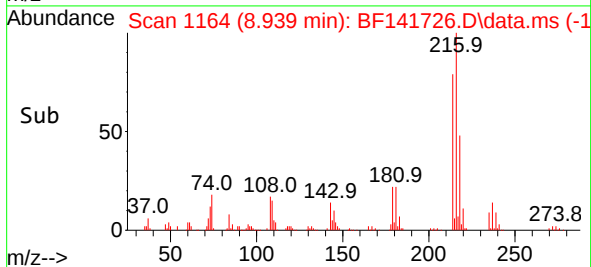
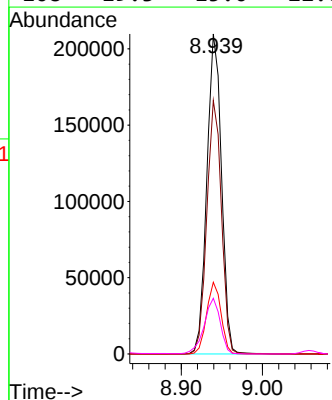
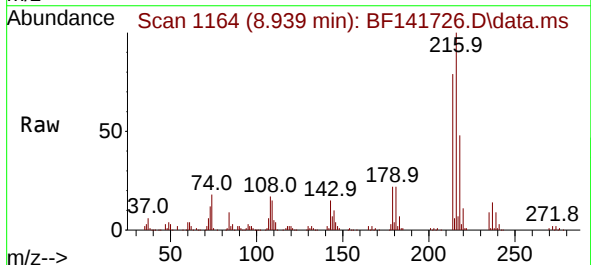
Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-COMPMSD

Tgt Ion:164 Resp: 187214  
Ion Ratio Lower Upper  
164 100  
162 100.4 81.3 121.9  
160 44.0 35.9 53.9



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 48.313 ng  
RT: 8.939 min Scan# 1164  
Delta R.T. -0.012 min  
Lab File: BF141726.D  
Acq: 21 Feb 2025 18:14

Tgt Ion:216 Resp: 261681  
Ion Ratio Lower Upper  
216 100  
214 79.1 62.3 93.5  
179 22.1 18.0 27.0  
108 19.3 15.0 22.6

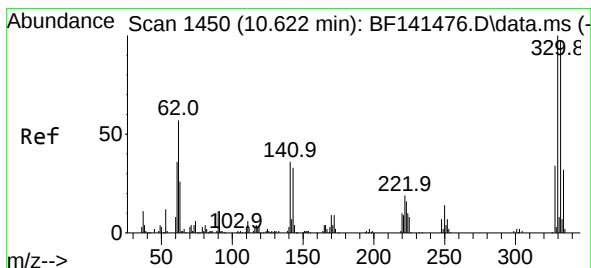
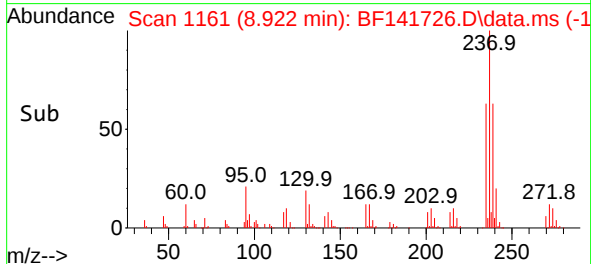
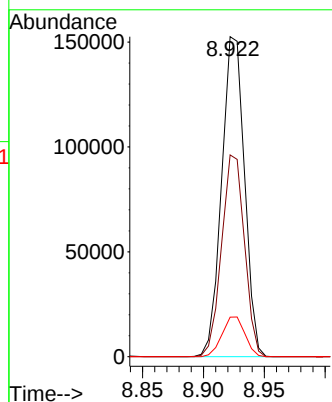
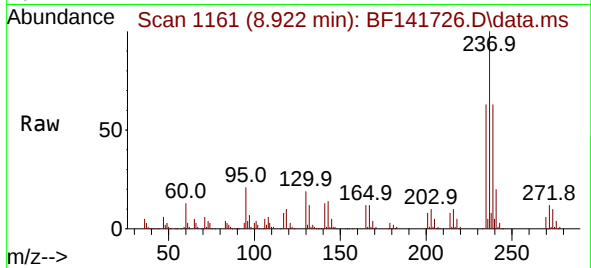




#41  
Hexachlorocyclopentadiene  
Concen: 110.780 ng  
RT: 8.922 min Scan# 1161  
Delta R.T. -0.017 min  
Lab File: BF141726.D  
Acq: 21 Feb 2025 18:14

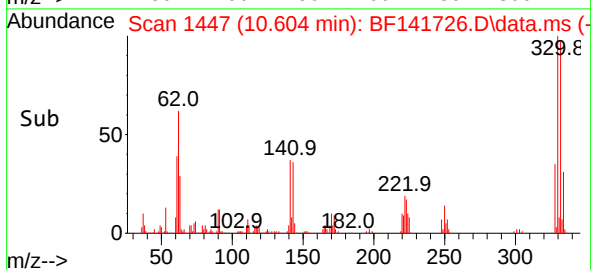
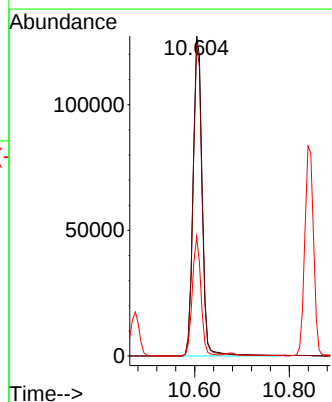
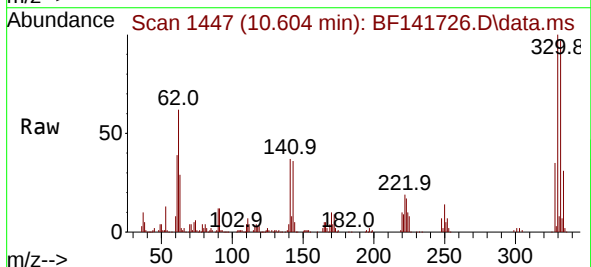
Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-COMPMSD

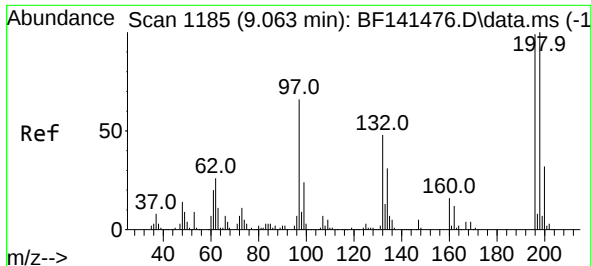
Tgt Ion:237 Resp: 199572  
Ion Ratio Lower Upper  
237 100  
235 63.1 41.4 81.4  
272 12.3 0.0 32.4



#42  
2,4,6-Tribromophenol  
Concen: 90.424 ng  
RT: 10.604 min Scan# 1447  
Delta R.T. -0.023 min  
Lab File: BF141726.D  
Acq: 21 Feb 2025 18:14

Tgt Ion:330 Resp: 170055  
Ion Ratio Lower Upper  
330 100  
332 96.3 78.5 117.7  
141 35.6 31.0 46.4

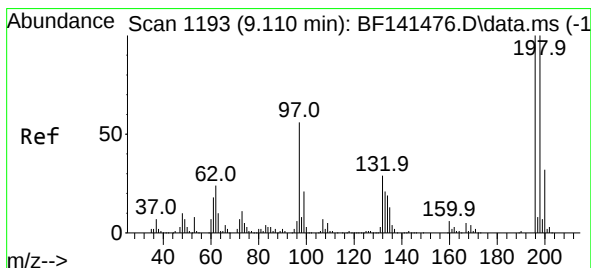
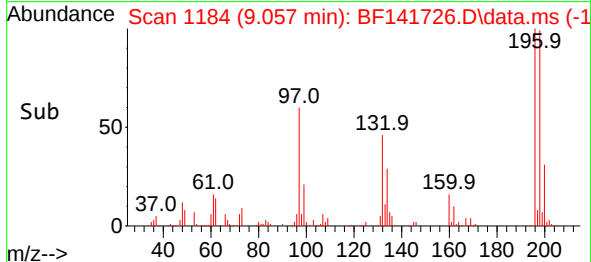
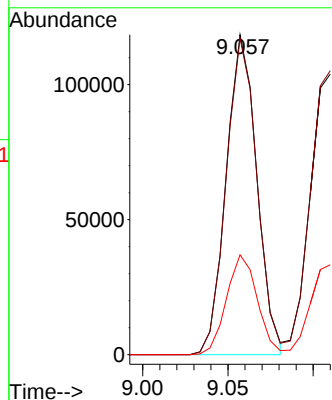
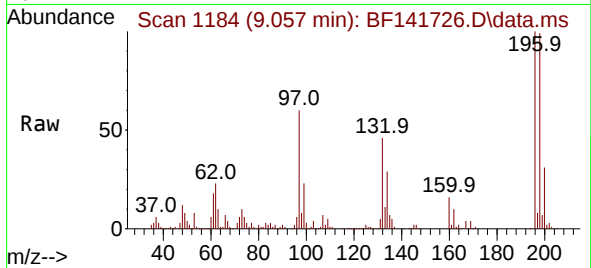




#43  
2,4,6-Trichlorophenol  
Concen: 42.389 ng  
RT: 9.057 min Scan# 1184  
Delta R.T. -0.012 min  
Lab File: BF141726.D  
Acq: 21 Feb 2025 18:14

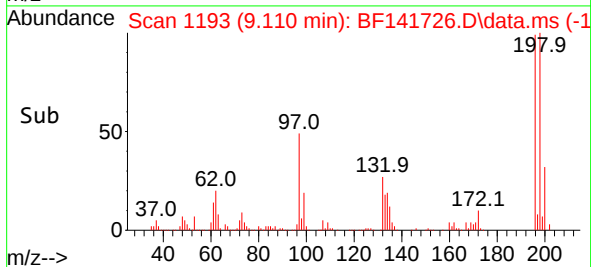
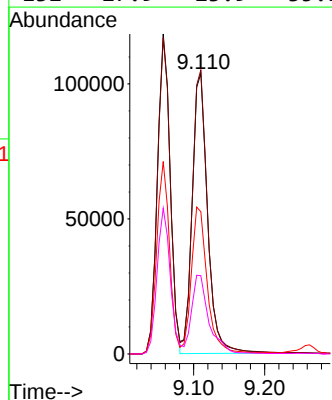
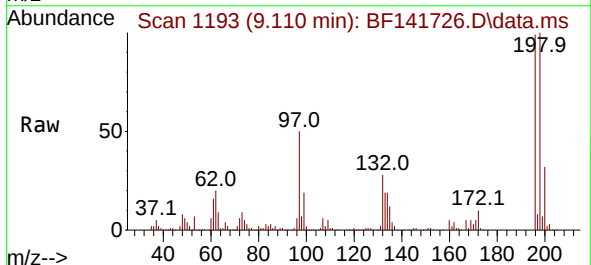
Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-COMPMSD

Tgt Ion:196 Resp: 148390  
Ion Ratio Lower Upper  
196 100  
198 98.9 80.6 121.0  
200 31.2 25.5 38.3



#44  
2,4,5-Trichlorophenol  
Concen: 41.158 ng  
RT: 9.110 min Scan# 1193  
Delta R.T. -0.006 min  
Lab File: BF141726.D  
Acq: 21 Feb 2025 18:14

Tgt Ion:196 Resp: 156149  
Ion Ratio Lower Upper  
196 100  
198 101.2 79.8 119.8  
97 50.7 44.8 67.2  
132 27.9 23.9 35.9





#45

2-Fluorobiphenyl

Concen: 72.673 ng

RT: 9.134 min Scan# 1197

Delta R.T. -0.017 min

Lab File: BF141726.D

Acq: 21 Feb 2025 18:14

Instrument :

BNA\_F

ClientSampleId :

SOIL-COMPMSD

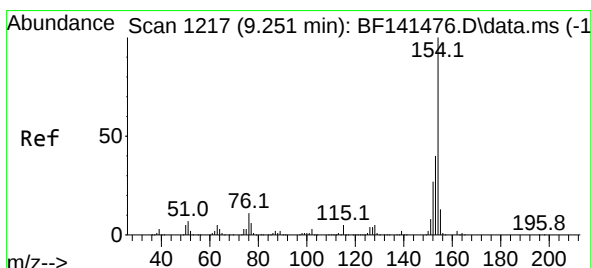
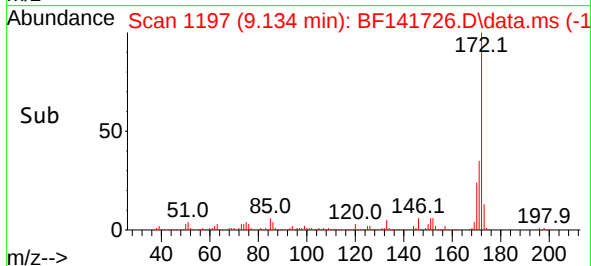
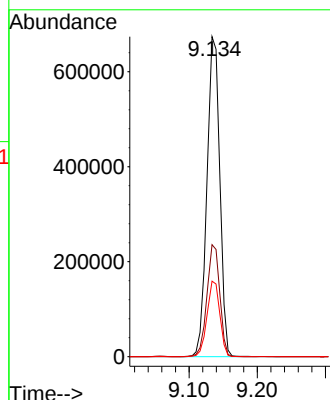
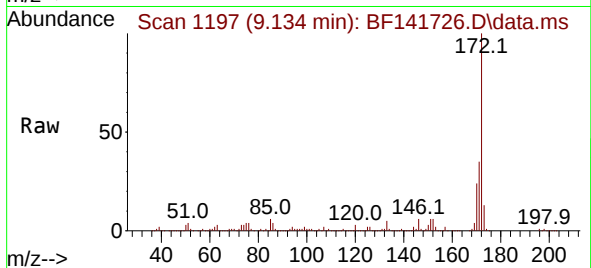
Tgt Ion:172 Resp: 883101

Ion Ratio Lower Upper

172 100

171 35.0 28.7 43.1

170 23.6 18.9 28.3



#46

1,1'-Biphenyl

Concen: 47.213 ng

RT: 9.239 min Scan# 1215

Delta R.T. -0.017 min

Lab File: BF141726.D

Acq: 21 Feb 2025 18:14

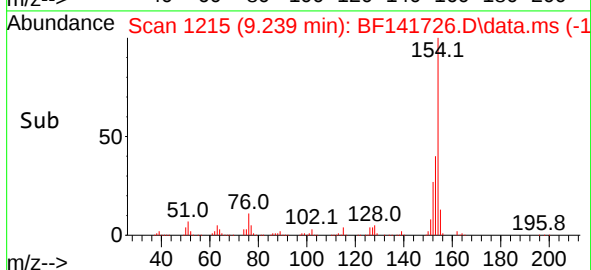
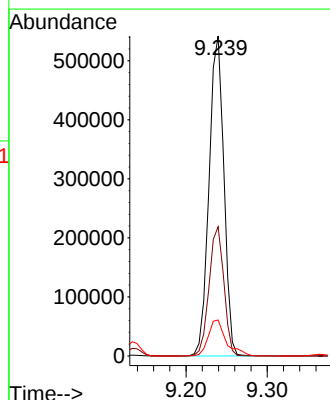
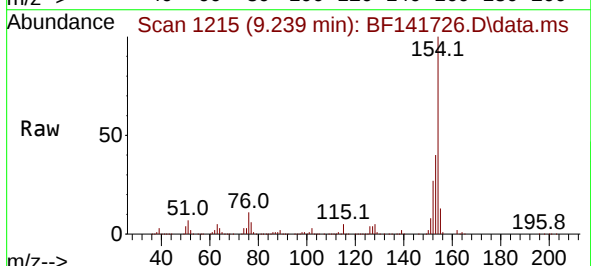
Tgt Ion:154 Resp: 685262

Ion Ratio Lower Upper

154 100

153 40.4 20.4 60.4

76 11.2 0.0 30.8





#47

2-Chloronaphthalene

Concen: 43.157 ng

RT: 9.263 min Scan# 1219

Delta R.T. -0.017 min

Lab File: BF141726.D

Acq: 21 Feb 2025 18:14

Instrument :

BNA\_F

ClientSampleId :

SOIL-COMPMSD

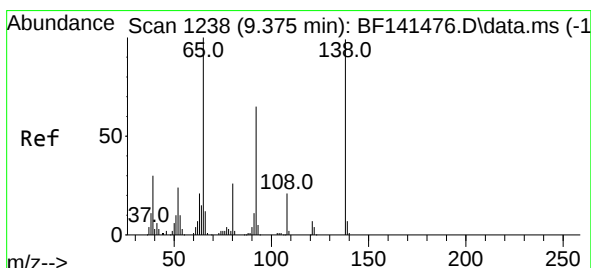
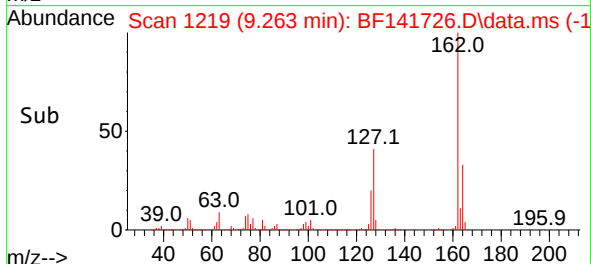
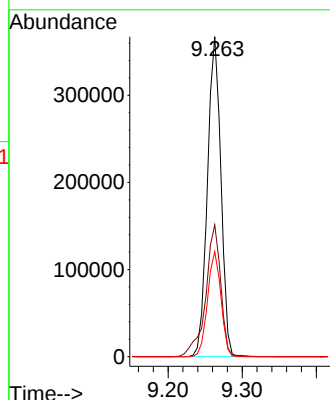
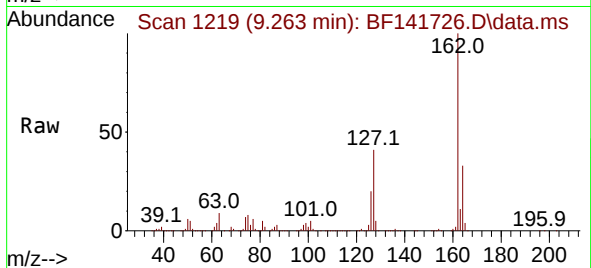
Tgt Ion:162 Resp: 463205

Ion Ratio Lower Upper

162 100

127 41.2 34.1 51.1

164 32.8 26.3 39.5



#48

2-Nitroaniline

Concen: 40.060 ng

RT: 9.363 min Scan# 1236

Delta R.T. -0.017 min

Lab File: BF141726.D

Acq: 21 Feb 2025 18:14

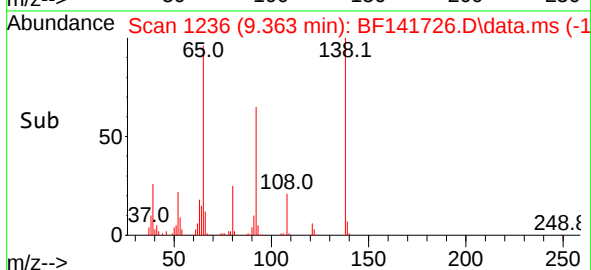
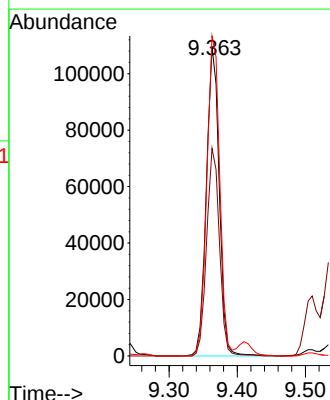
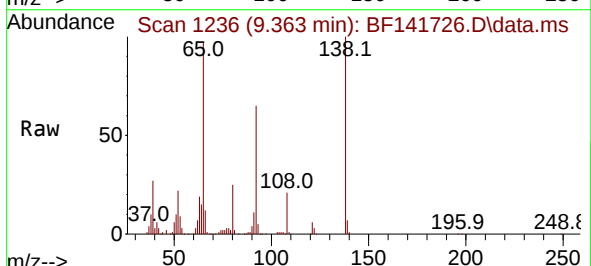
Tgt Ion: 65 Resp: 144295

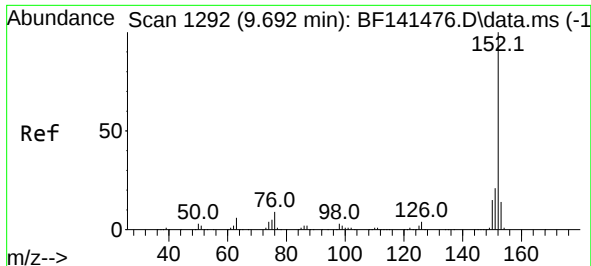
Ion Ratio Lower Upper

65 100

92 67.1 52.2 78.2

138 103.5 79.5 119.3





#49

Acenaphthylene

Concen: 42.950 ng

RT: 9.675 min Scan# 1289

Delta R.T. -0.017 min

Lab File: BF141726.D

Acq: 21 Feb 2025 18:14

Instrument :

BNA\_F

ClientSampleId :

SOIL-COMPMSD

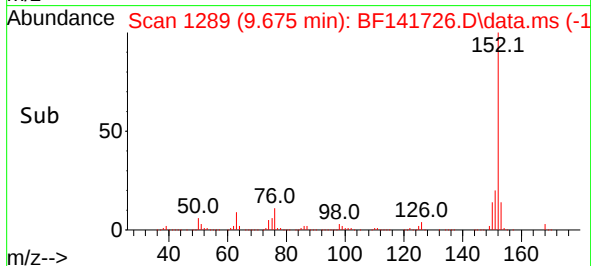
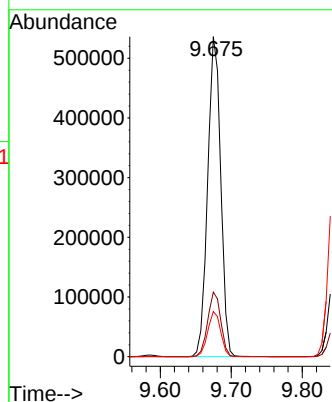
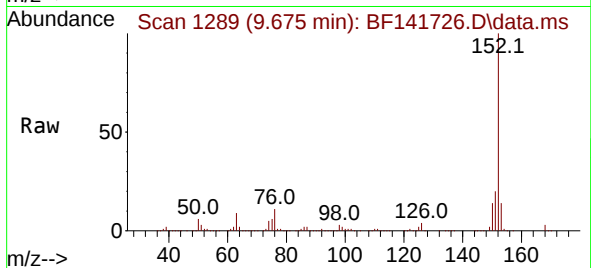
Tgt Ion:152 Resp: 685649

Ion Ratio Lower Upper

152 100

151 20.2 16.4 24.6

153 14.1 10.9 16.3



#50

Dimethylphthalate

Concen: 43.033 ng

RT: 9.539 min Scan# 1266

Delta R.T. -0.023 min

Lab File: BF141726.D

Acq: 21 Feb 2025 18:14

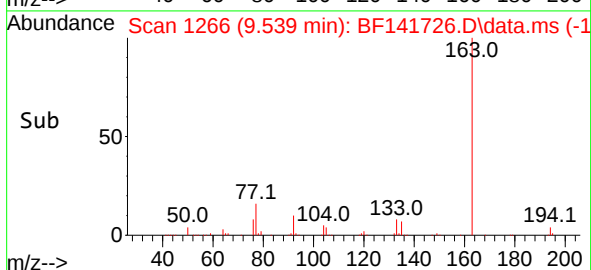
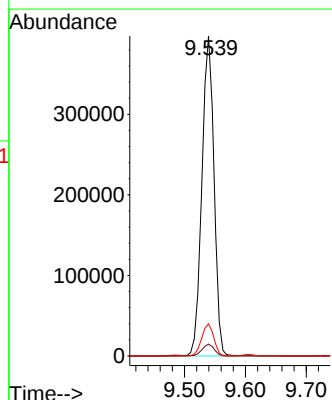
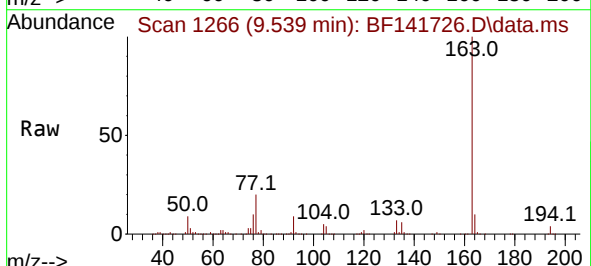
Tgt Ion:163 Resp: 546933

Ion Ratio Lower Upper

163 100

194 3.7 3.0 4.4

164 10.0 7.9 11.9

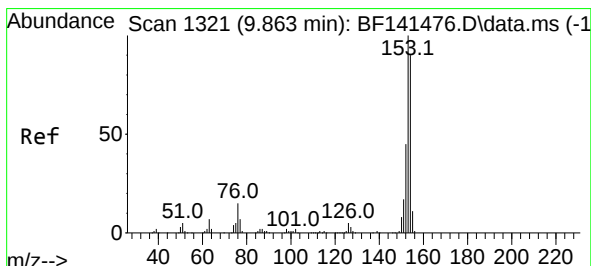
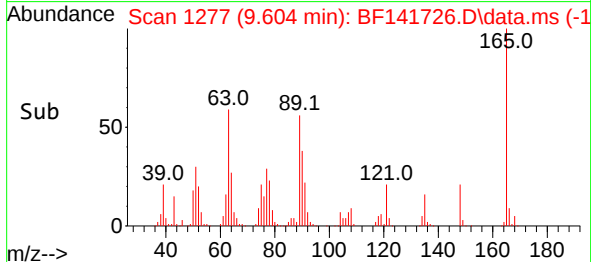
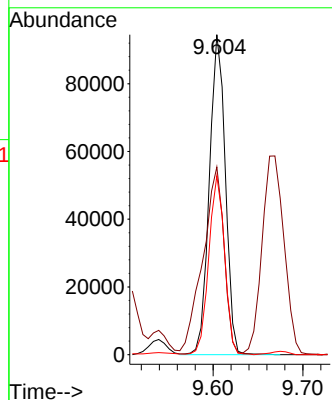
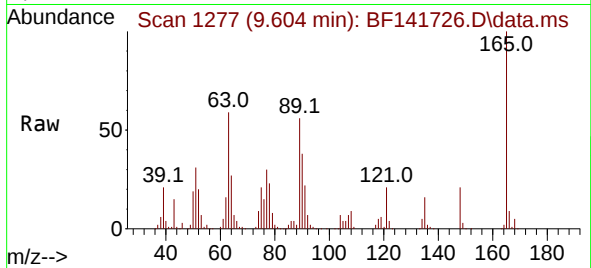




#51  
2,6-Dinitrotoluene  
Concen: 42.115 ng  
RT: 9.604 min Scan# 11  
Delta R.T. -0.017 min  
Lab File: BF141726.D  
Acq: 21 Feb 2025 18:14

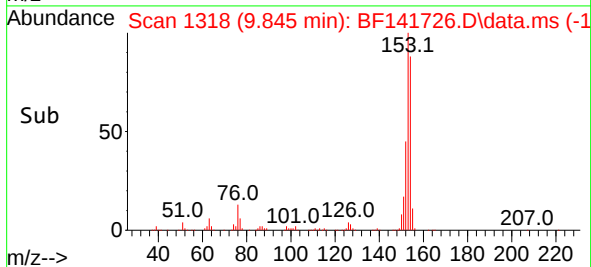
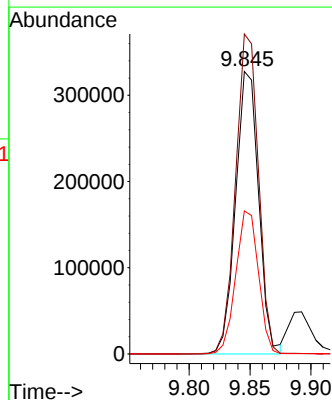
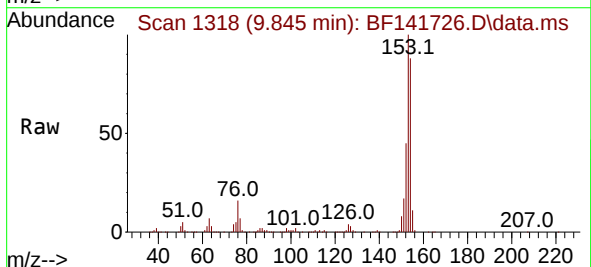
Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-COMPMSD

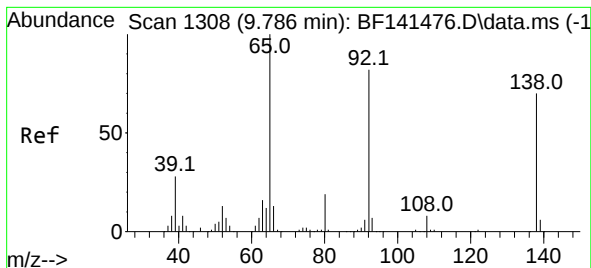
Tgt Ion:165 Resp: 117010  
Ion Ratio Lower Upper  
165 100  
63 58.7 49.4 74.0  
89 55.9 46.5 69.7



#52  
Acenaphthene  
Concen: 40.141 ng  
RT: 9.845 min Scan# 1318  
Delta R.T. -0.023 min  
Lab File: BF141726.D  
Acq: 21 Feb 2025 18:14

Tgt Ion:154 Resp: 430815  
Ion Ratio Lower Upper  
154 100  
153 113.2 89.2 133.8  
152 50.6 39.8 59.8





#53

3-Nitroaniline

Concen: 20.973 ng

RT: 9.775 min Scan# 1

Delta R.T. -0.017 min

Lab File: BF141726.D

Acq: 21 Feb 2025 18:14

Instrument :

BNA\_F

ClientSampleId :

SOIL-COMPMSD

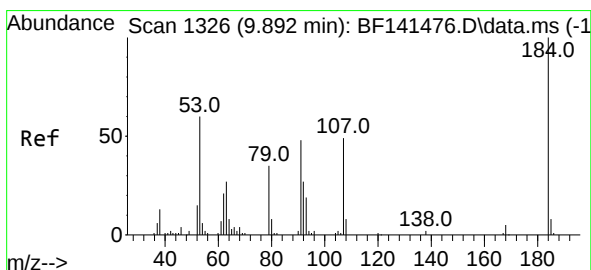
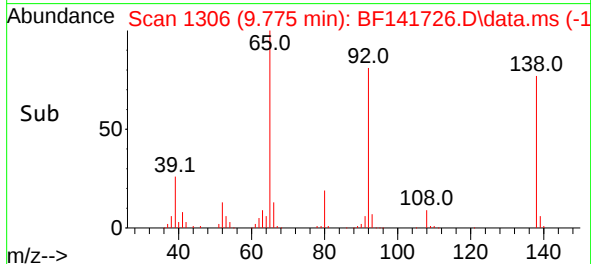
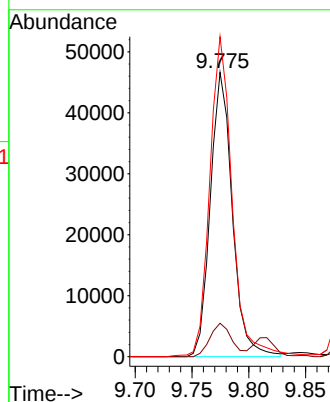
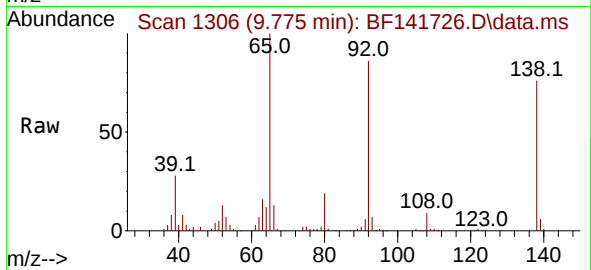
Tgt Ion:138 Resp: 62718

Ion Ratio Lower Upper

138 100

108 11.8 9.0 13.4

92 112.6 93.7 140.5



#54

2,4-Dinitrophenol

Concen: 64.268 ng

RT: 9.892 min Scan# 1326

Delta R.T. -0.012 min

Lab File: BF141726.D

Acq: 21 Feb 2025 18:14

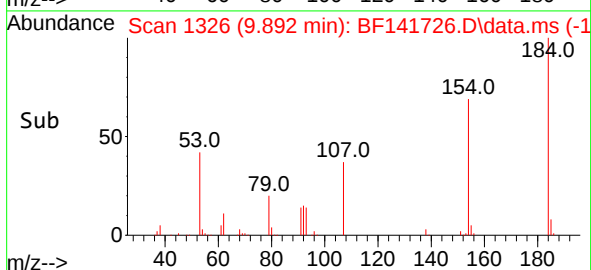
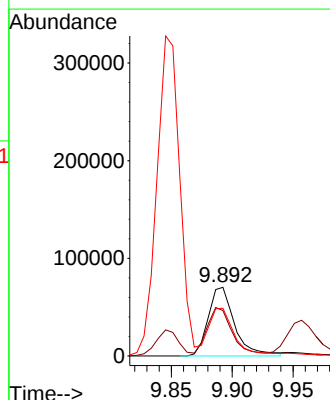
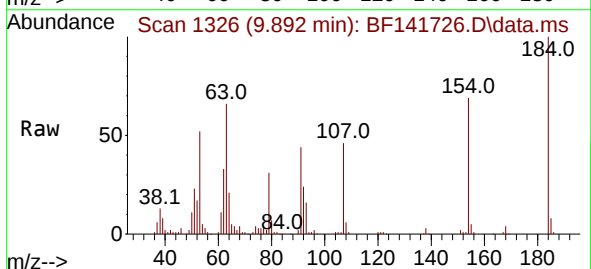
Tgt Ion:184 Resp: 106124

Ion Ratio Lower Upper

184 100

63 66.1 61.0 91.6

154 69.3 59.9 89.9

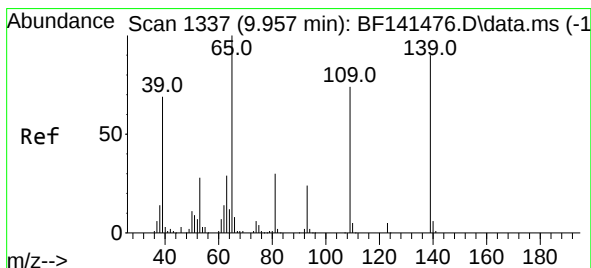
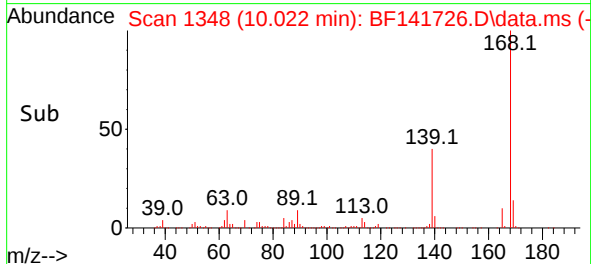
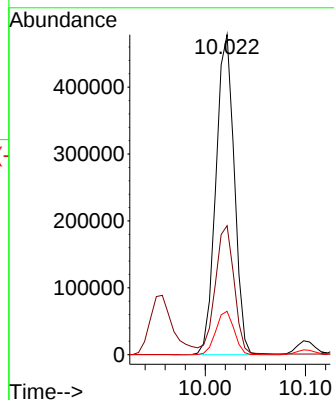
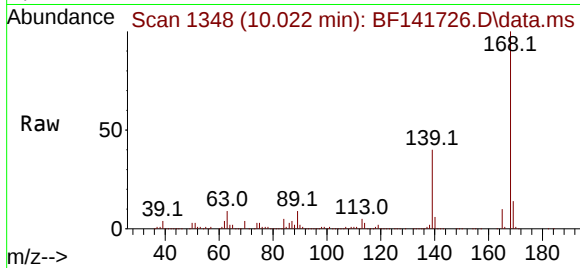




#55  
Dibenzenofuran  
Concen: 38.547 ng  
RT: 10.022 min Scan# 1348  
Delta R.T. -0.017 min  
Lab File: BF141726.D  
Acq: 21 Feb 2025 18:14

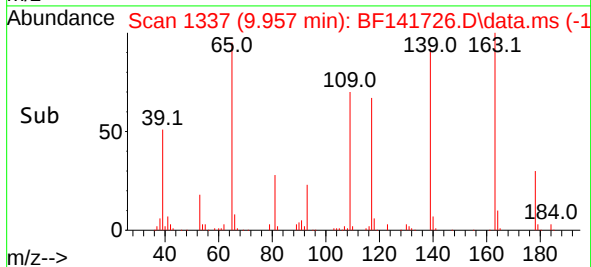
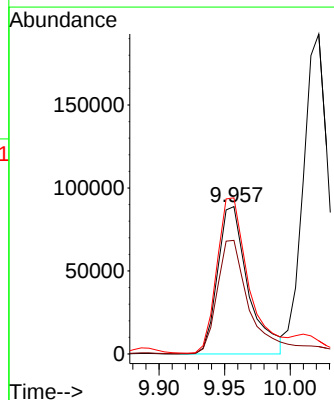
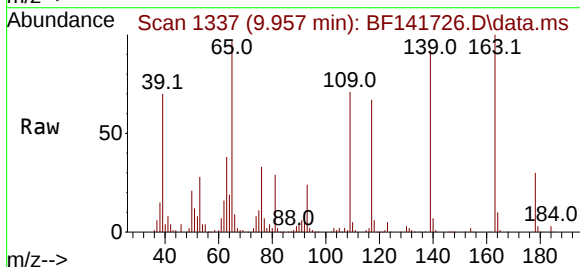
Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-COMPMSD

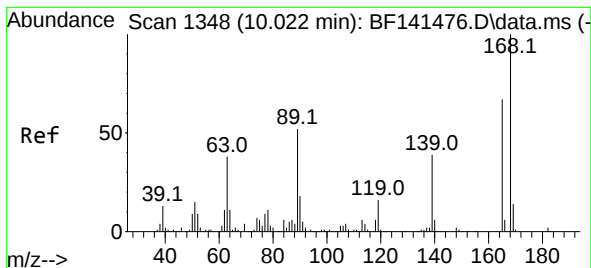
Tgt Ion:168 Resp: 607233  
Ion Ratio Lower Upper  
168 100  
139 40.3 32.7 49.1  
169 13.6 10.8 16.2



#56  
4-Nitrophenol  
Concen: 64.812 ng  
RT: 9.957 min Scan# 1337  
Delta R.T. -0.012 min  
Lab File: BF141726.D  
Acq: 21 Feb 2025 18:14

Tgt Ion:139 Resp: 143873  
Ion Ratio Lower Upper  
139 100  
109 77.1 62.0 102.0  
65 105.9 91.2 131.2

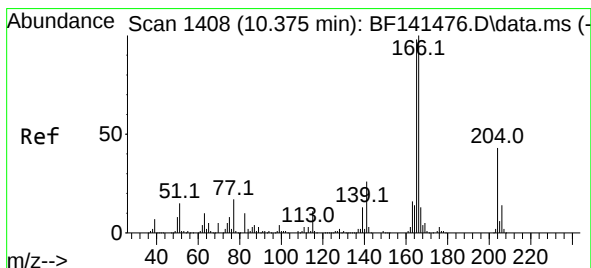
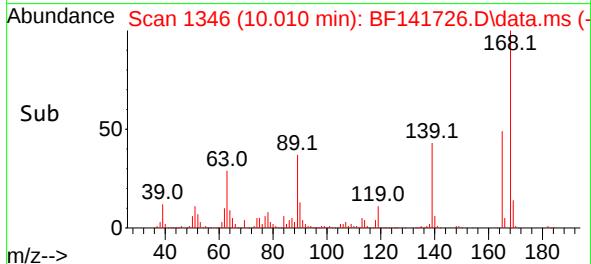
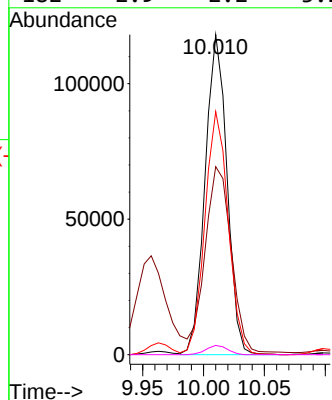
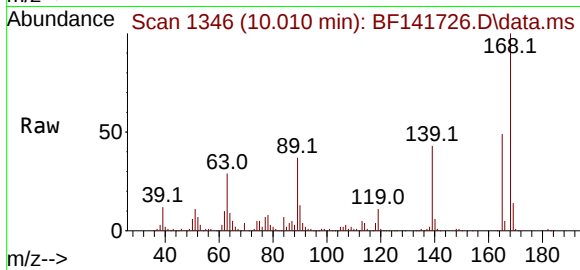




#57  
2,4-Dinitrotoluene  
Concen: 40.039 ng  
RT: 10.010 min Scan# 11  
Delta R.T. -0.017 min  
Lab File: BF141726.D  
Acq: 21 Feb 2025 18:14

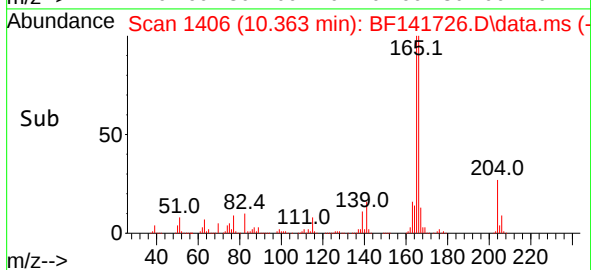
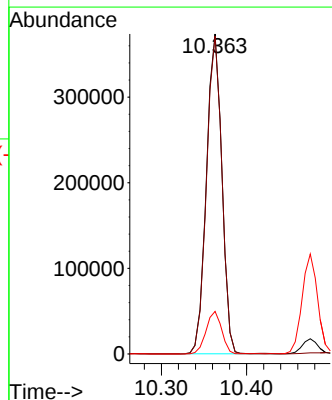
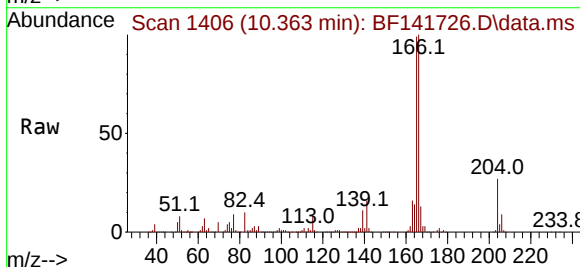
Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-COMPMSD

Tgt Ion:165 Resp: 148094  
Ion Ratio Lower Upper  
165 100  
63 58.7 46.4 69.6  
89 76.0 61.8 92.6  
182 2.9 2.2 3.2



#58  
Fluorene  
Concen: 38.583 ng  
RT: 10.363 min Scan# 1406  
Delta R.T. -0.017 min  
Lab File: BF141726.D  
Acq: 21 Feb 2025 18:14

Tgt Ion:166 Resp: 469956  
Ion Ratio Lower Upper  
166 100  
165 99.3 78.2 117.2  
167 13.3 10.7 16.1

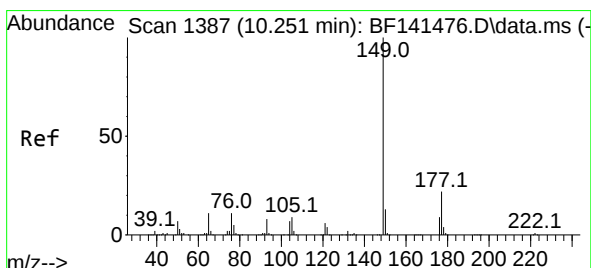
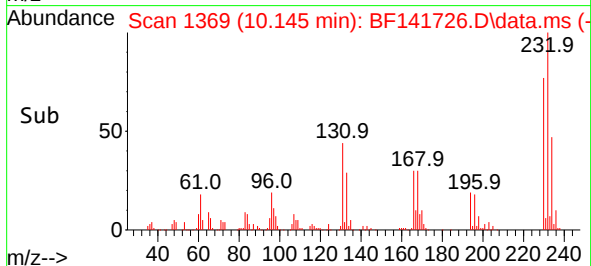
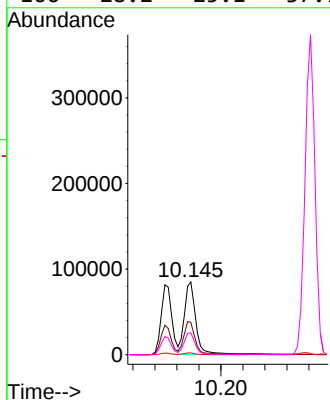
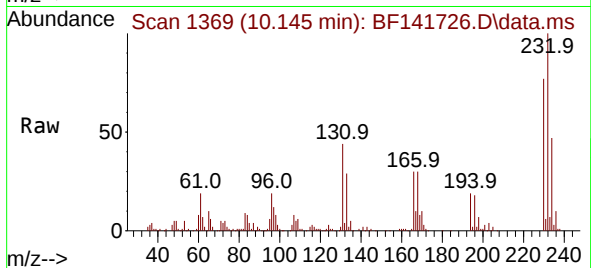




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 37.651 ng  
RT: 10.145 min Scan# 11  
Delta R.T. -0.017 min  
Lab File: BF141726.D  
Acq: 21 Feb 2025 18:14

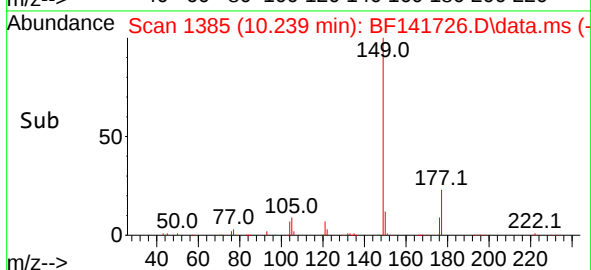
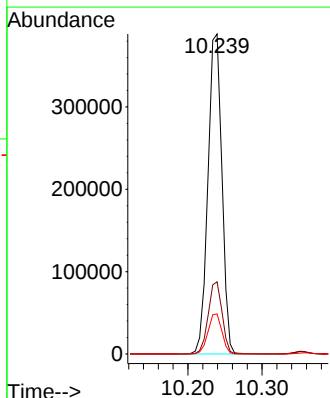
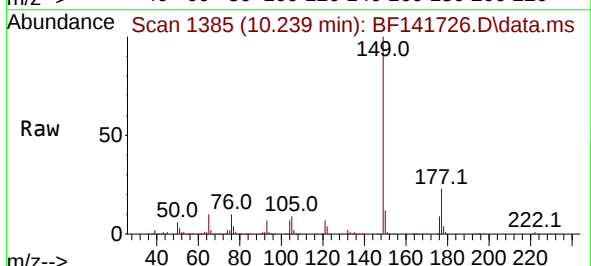
Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-COMPMSD

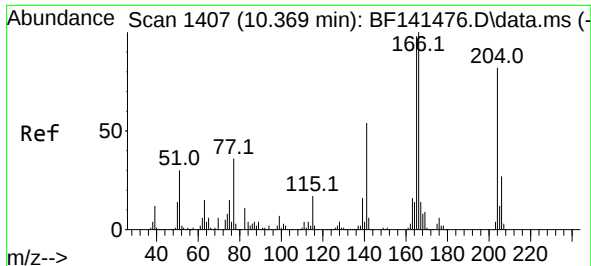
Tgt Ion:232 Resp: 122979  
Ion Ratio Lower Upper  
232 100  
131 43.4 39.2 58.8  
130 2.4 2.1 3.1  
166 28.2 25.1 37.7



#60  
Diethylphthalate  
Concen: 40.648 ng  
RT: 10.239 min Scan# 1385  
Delta R.T. -0.017 min  
Lab File: BF141726.D  
Acq: 21 Feb 2025 18:14

Tgt Ion:149 Resp: 508283  
Ion Ratio Lower Upper  
149 100  
177 22.6 17.8 26.6  
150 12.5 10.1 15.1

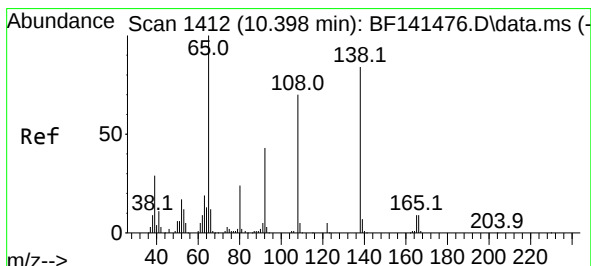
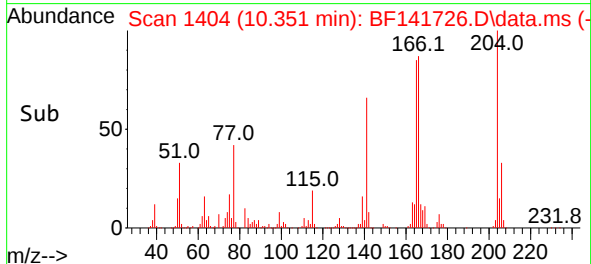
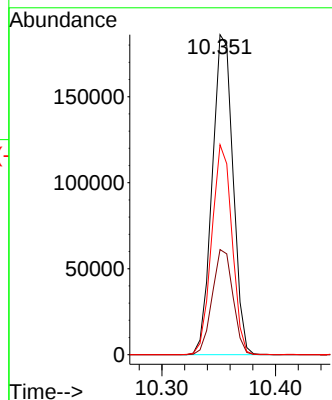
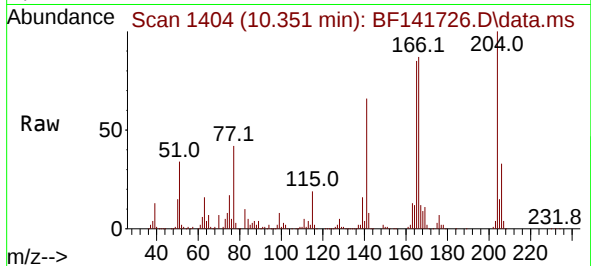




#61  
4-Chlorophenyl-phenylether  
Concen: 40.409 ng  
RT: 10.351 min Scan# 1404  
Delta R.T. -0.023 min  
Lab File: BF141726.D  
Acq: 21 Feb 2025 18:14

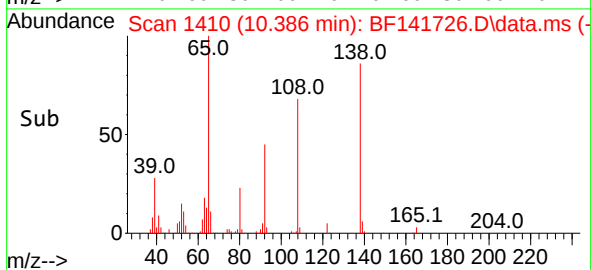
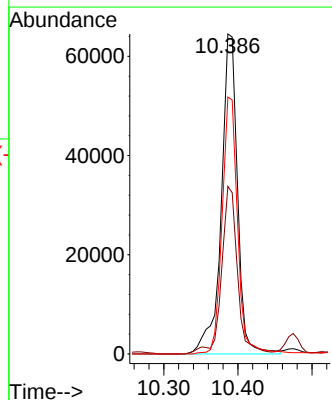
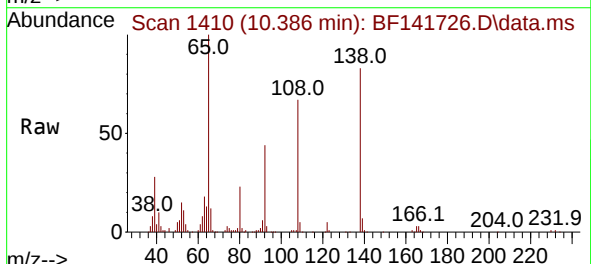
Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-COMPMSD

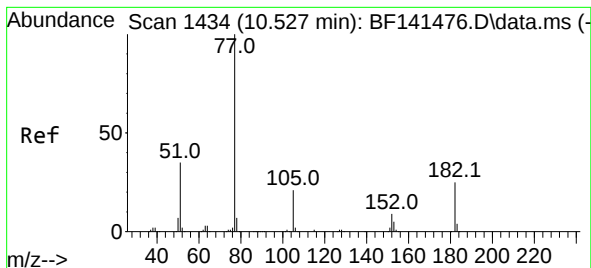
Tgt Ion:204 Resp: 236788  
Ion Ratio Lower Upper  
204 100  
206 32.8 26.6 40.0  
141 65.6 51.9 77.9



#62  
4-Nitroaniline  
Concen: 32.494 ng  
RT: 10.386 min Scan# 1410  
Delta R.T. -0.029 min  
Lab File: BF141726.D  
Acq: 21 Feb 2025 18:14

Tgt Ion:138 Resp: 98665  
Ion Ratio Lower Upper  
138 100  
92 52.3 31.3 71.3  
108 80.3 63.7 103.7





#63

Azobenzene

Concen: 45.445 ng

RT: 10.516 min Scan# 1432

Delta R.T. -0.017 min

Lab File: BF141726.D

Acq: 21 Feb 2025 18:14

Instrument :

BNA\_F

ClientSampleId :

SOIL-COMPMSD

Tgt Ion: 77 Resp: 564933

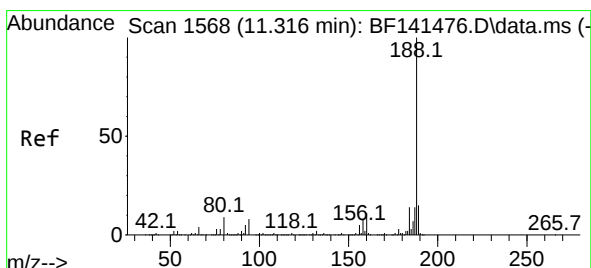
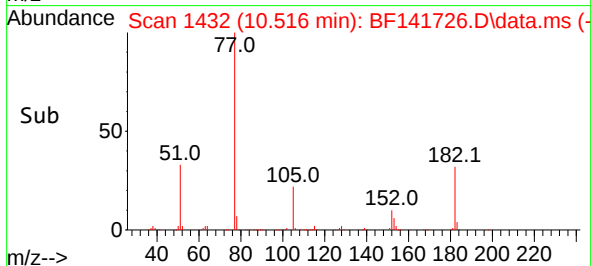
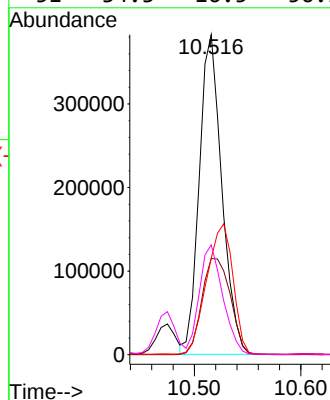
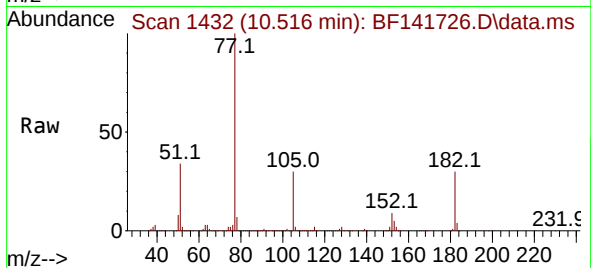
Ion Ratio Lower Upper

77 100

182 30.0 4.7 44.7

105 30.2 0.4 40.4

51 34.3 16.5 56.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.298 min Scan# 1565

Delta R.T. -0.017 min

Lab File: BF141726.D

Acq: 21 Feb 2025 18:14

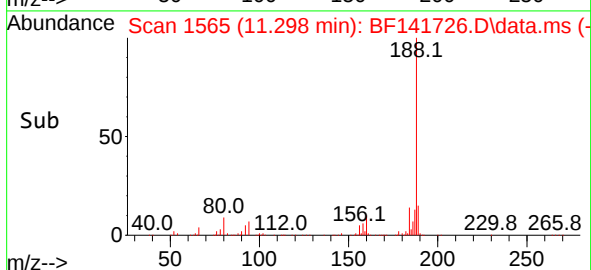
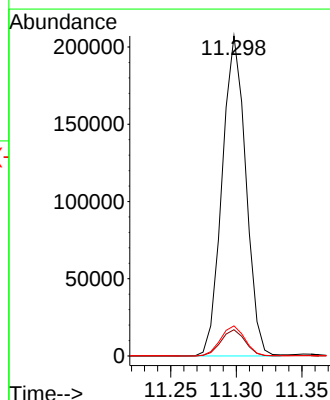
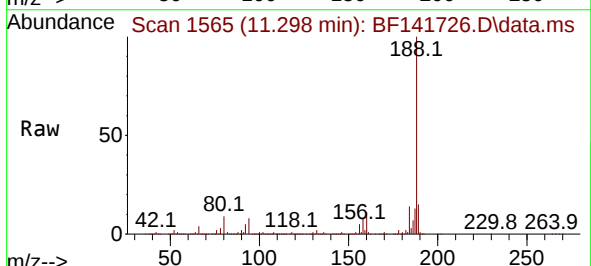
Tgt Ion: 188 Resp: 260341

Ion Ratio Lower Upper

188 100

94 8.2 6.6 10.0

80 9.4 7.3 10.9

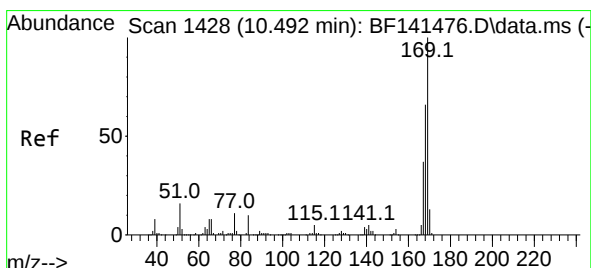
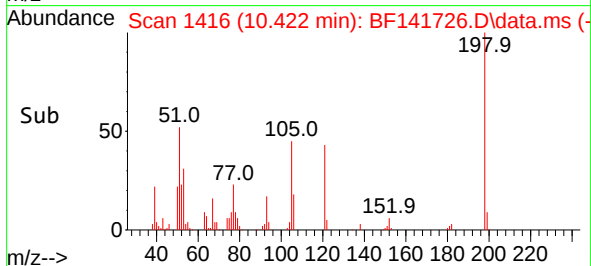
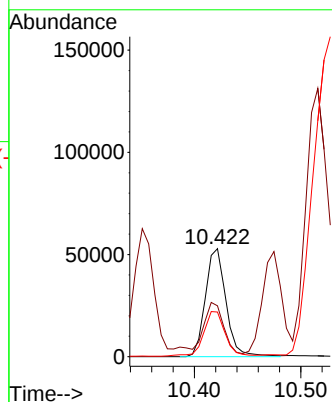
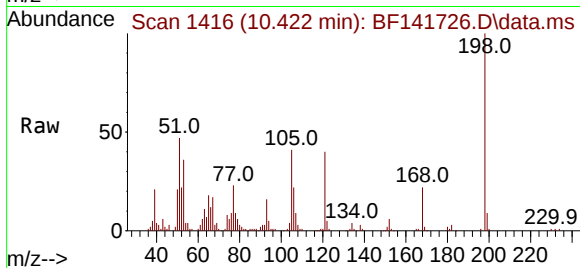




#65  
4,6-Dinitro-2-methylphenol  
Concen: 39.401 ng  
RT: 10.422 min Scan# 1417  
Delta R.T. -0.017 min  
Lab File: BF141726.D  
Acq: 21 Feb 2025 18:14

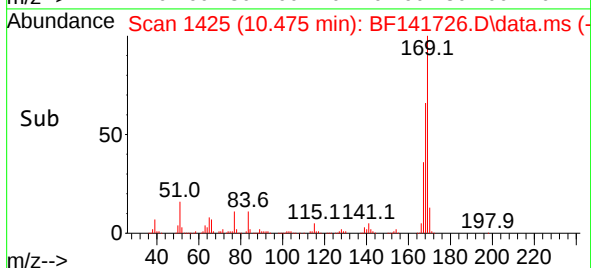
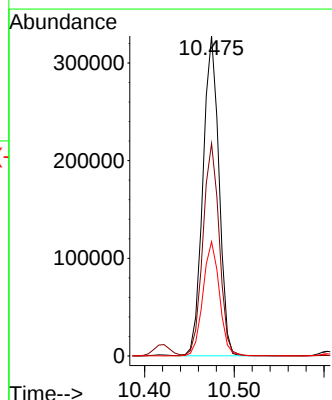
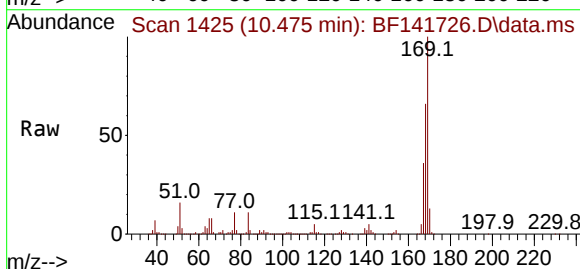
Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-COMPMSD

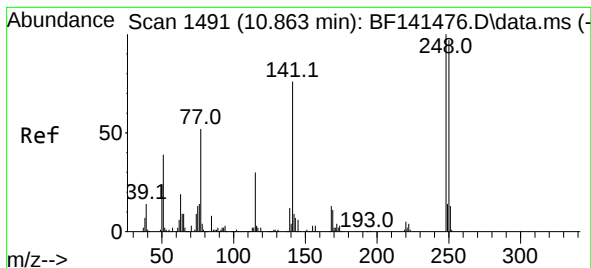
Tgt Ion:198 Resp: 71256  
Ion Ratio Lower Upper  
198 100  
51 47.2 37.4 77.4  
105 41.3 25.2 65.2



#66  
n-Nitrosodiphenylamine  
Concen: 48.760 ng  
RT: 10.475 min Scan# 1425  
Delta R.T. -0.023 min  
Lab File: BF141726.D  
Acq: 21 Feb 2025 18:14

Tgt Ion:169 Resp: 406355  
Ion Ratio Lower Upper  
169 100  
168 66.4 53.3 79.9  
167 35.7 29.4 44.2

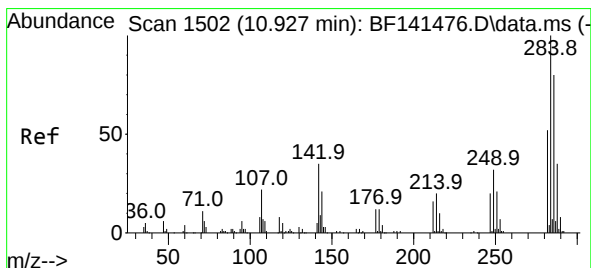
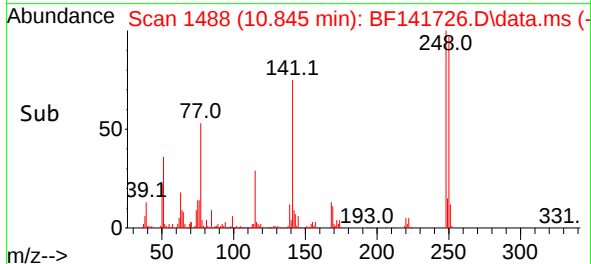
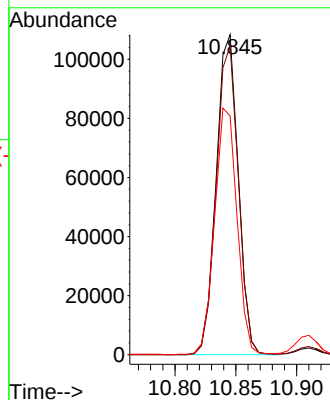
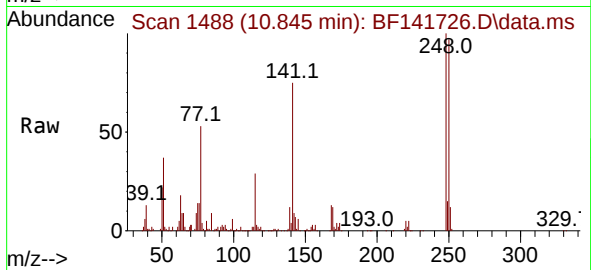




#67  
4-Bromophenyl-phenylether  
Concen: 47.070 ng  
RT: 10.845 min Scan# 1488  
Delta R.T. -0.017 min  
Lab File: BF141726.D  
Acq: 21 Feb 2025 18:14

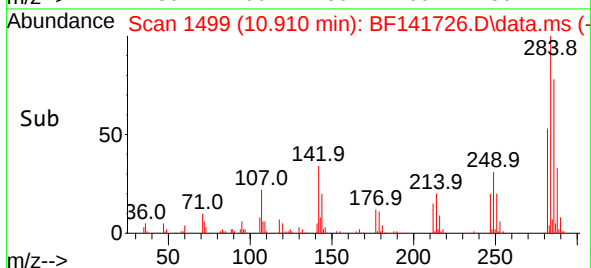
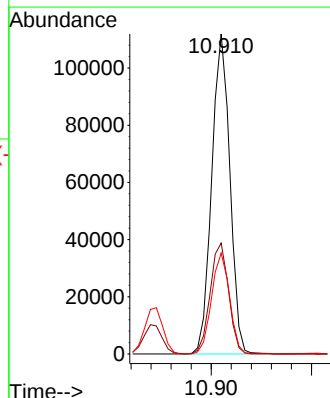
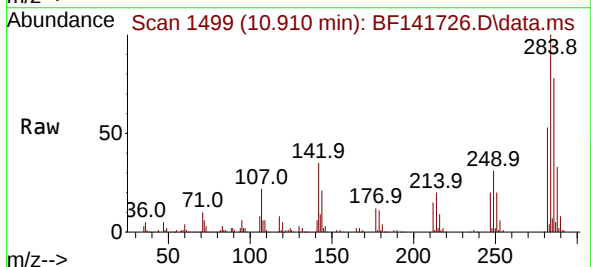
Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-COMPMSD

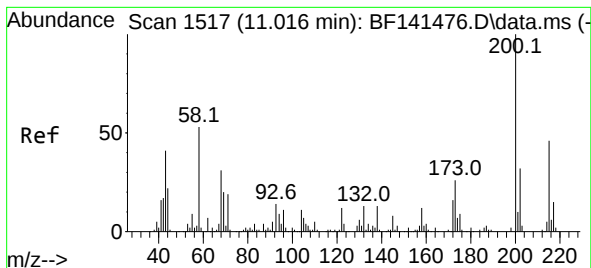
Tgt Ion:248 Resp: 136956  
Ion Ratio Lower Upper  
248 100  
250 96.5 77.8 116.6  
141 74.6 60.6 90.8



#68  
Hexachlorobenzene  
Concen: 46.768 ng  
RT: 10.910 min Scan# 1499  
Delta R.T. -0.017 min  
Lab File: BF141726.D  
Acq: 21 Feb 2025 18:14

Tgt Ion:284 Resp: 140125  
Ion Ratio Lower Upper  
284 100  
142 34.6 28.0 42.0  
249 31.5 25.8 38.8





#69

Atrazine

Concen: 57.726 ng

RT: 11.004 min Scan# 1515

Delta R.T. -0.017 min

Lab File: BF141726.D

Acq: 21 Feb 2025 18:14

Instrument :

BNA\_F

ClientSampleId :

SOIL-COMPMSD

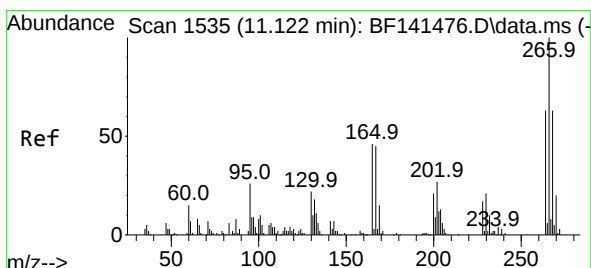
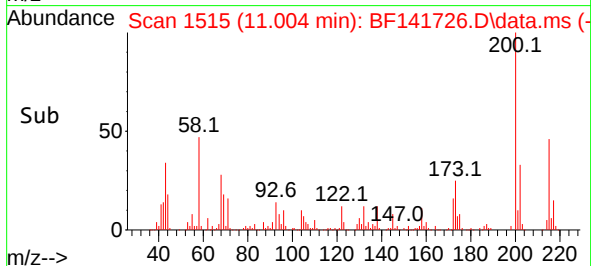
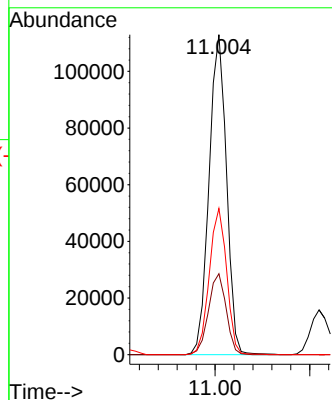
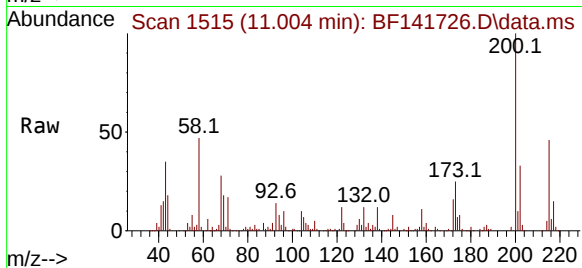
Tgt Ion:200 Resp: 144322

Ion Ratio Lower Upper

200 100

173 25.3 5.9 45.9

215 45.7 25.9 65.9



#70

Pentachlorophenol

Concen: 66.955 ng

RT: 11.110 min Scan# 1533

Delta R.T. -0.017 min

Lab File: BF141726.D

Acq: 21 Feb 2025 18:14

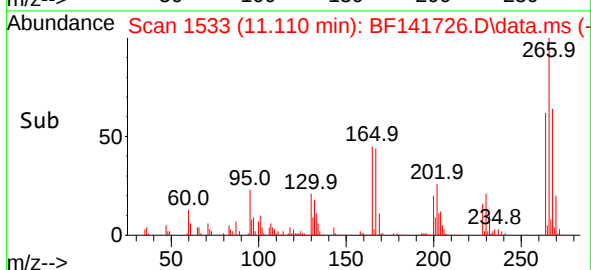
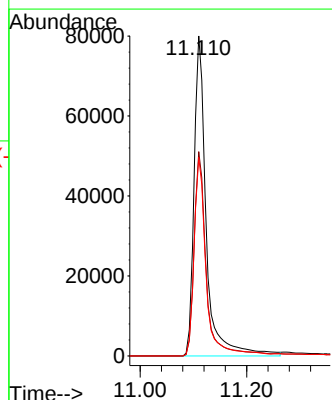
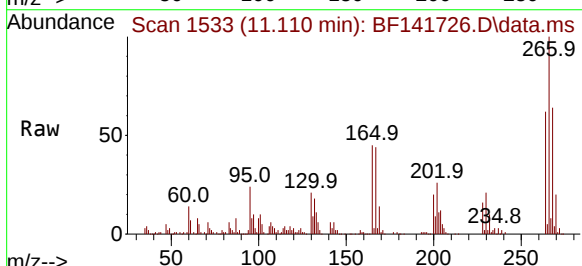
Tgt Ion:266 Resp: 128272

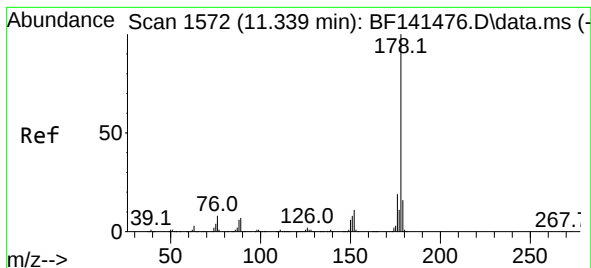
Ion Ratio Lower Upper

266 100

268 63.9 50.1 75.1

264 62.0 50.1 75.1





#71

Phenanthrene

Concen: 42.656 ng

RT: 11.322 min Scan# 1569

Delta R.T. -0.023 min

Lab File: BF141726.D

Acq: 21 Feb 2025 18:14

Instrument :

BNA\_F

ClientSampleId :

SOIL-COMPMSD

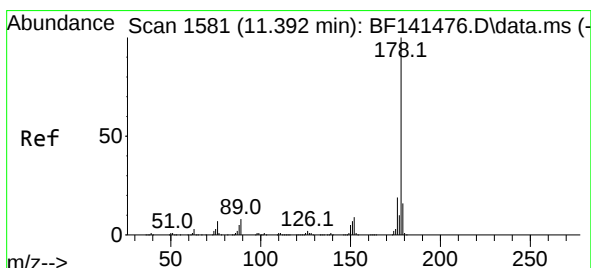
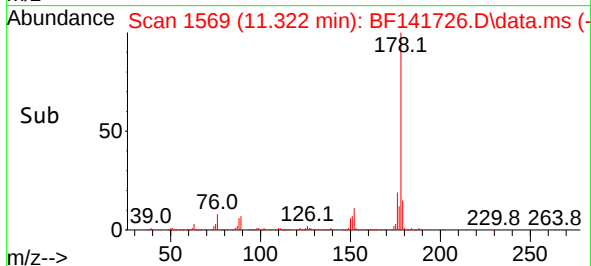
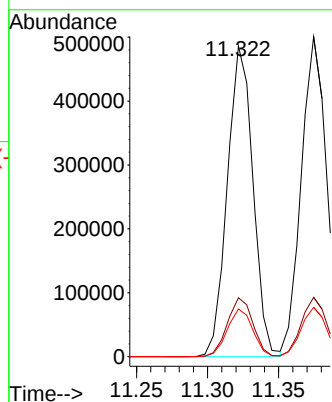
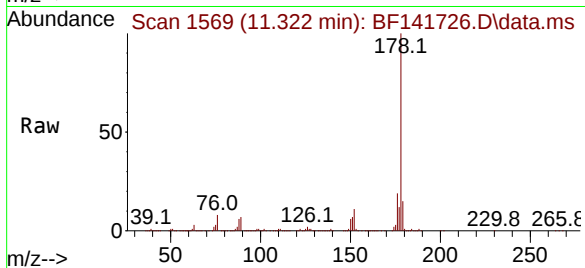
Tgt Ion:178 Resp: 611288

Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.0

179 15.3 12.4 18.6



#72

Anthracene

Concen: 43.361 ng

RT: 11.375 min Scan# 1578

Delta R.T. -0.023 min

Lab File: BF141726.D

Acq: 21 Feb 2025 18:14

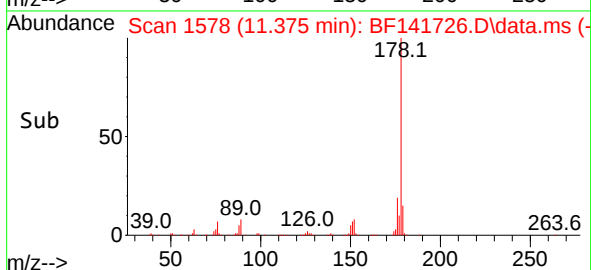
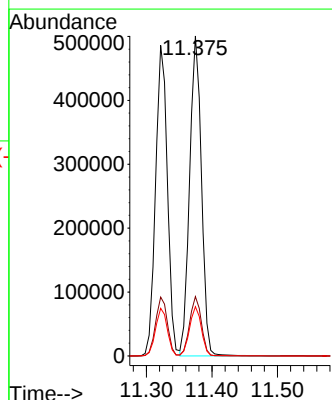
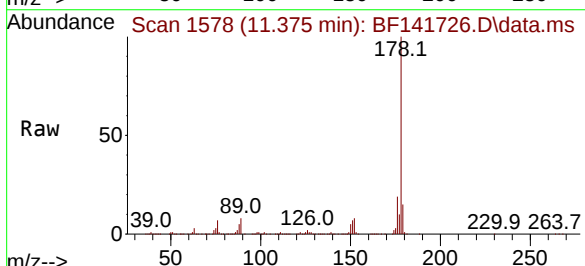
Tgt Ion:178 Resp: 624653

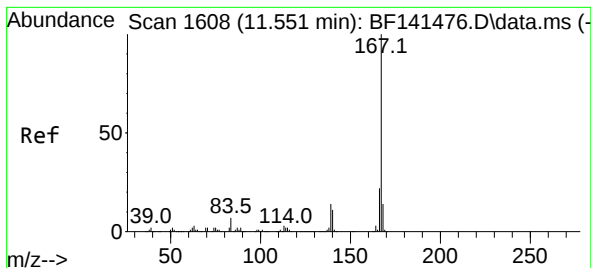
Ion Ratio Lower Upper

178 100

176 18.5 14.8 22.2

179 15.4 12.4 18.6





#73

Carbazole

Concen: 40.040 ng

RT: 11.533 min Scan# 1

Delta R.T. -0.017 min

Lab File: BF141726.D

Acq: 21 Feb 2025 18:14

Instrument :

BNA\_F

ClientSampleId :

SOIL-COMPMSD

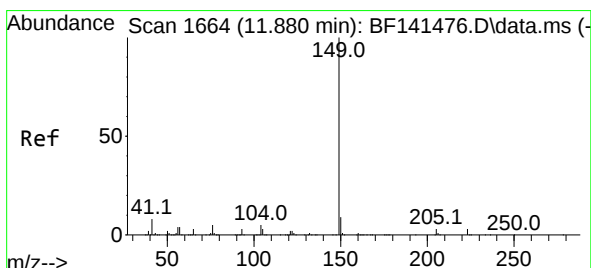
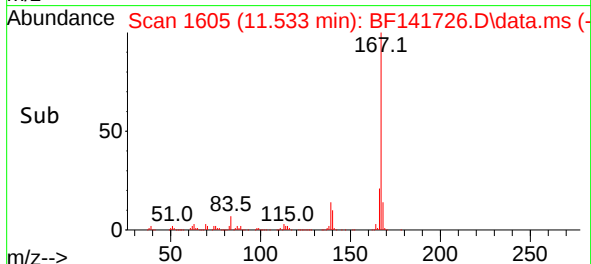
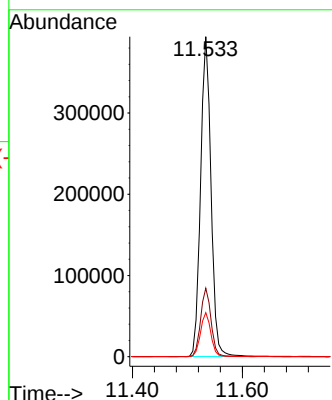
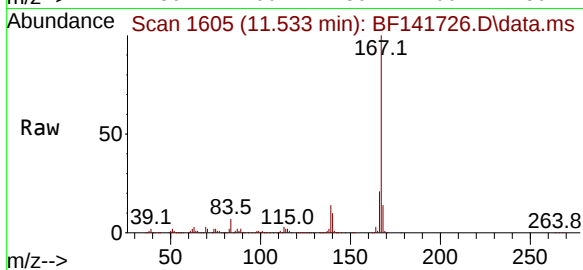
Tgt Ion:167 Resp: 519008

Ion Ratio Lower Upper

167 100

166 21.4 17.4 26.2

139 13.7 10.9 16.3



#74

Di-n-butylphthalate

Concen: 43.605 ng

RT: 11.857 min Scan# 1660

Delta R.T. -0.023 min

Lab File: BF141726.D

Acq: 21 Feb 2025 18:14

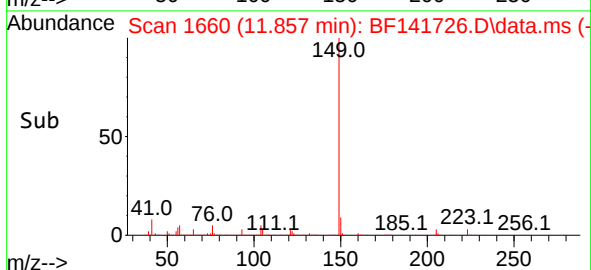
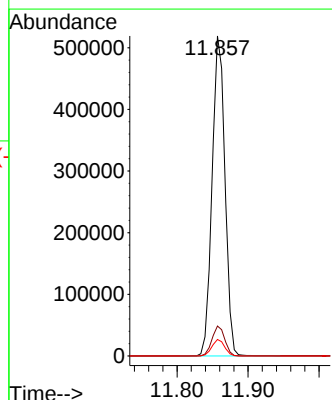
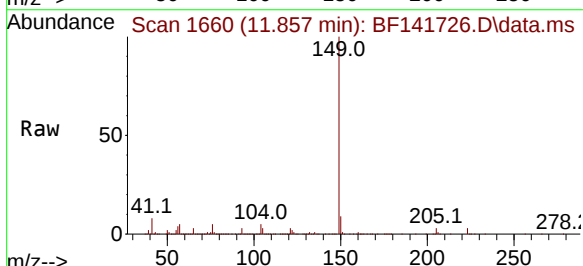
Tgt Ion:149 Resp: 652629

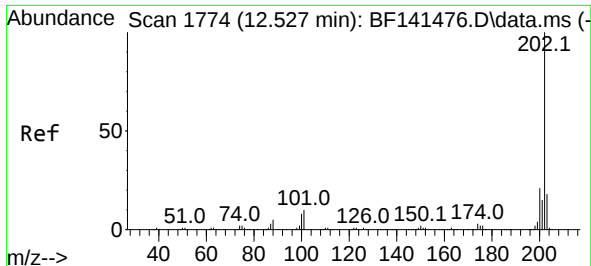
Ion Ratio Lower Upper

149 100

150 9.4 7.4 11.0

104 5.2 4.2 6.2

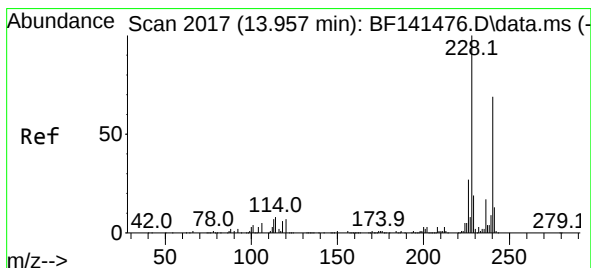
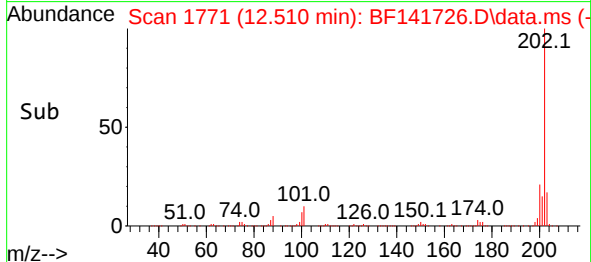
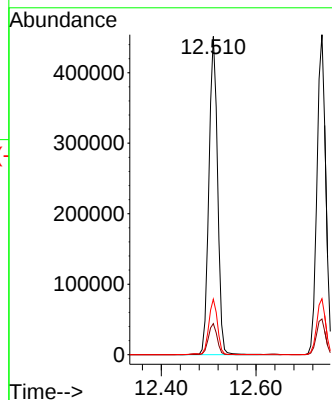
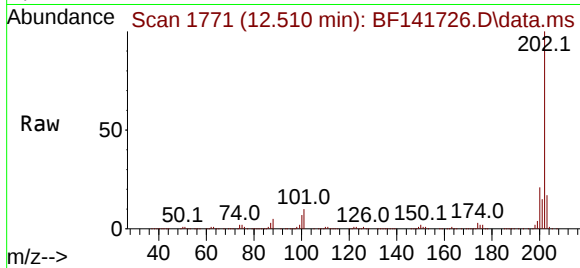




#75  
Fluoranthene  
Concen: 37.615 ng  
RT: 12.510 min Scan# 1  
Delta R.T. -0.023 min  
Lab File: BF141726.D  
Acq: 21 Feb 2025 18:14

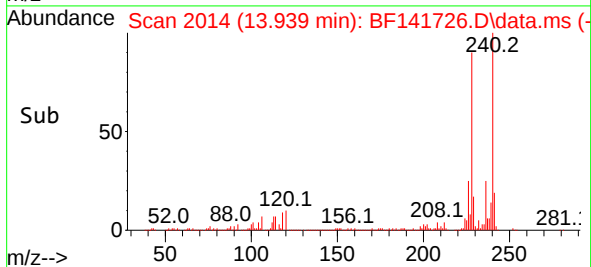
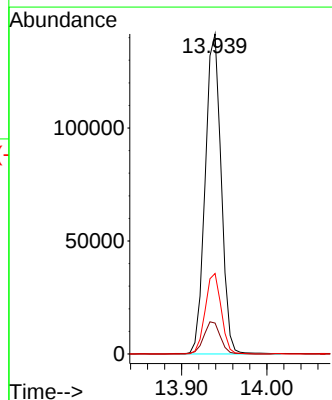
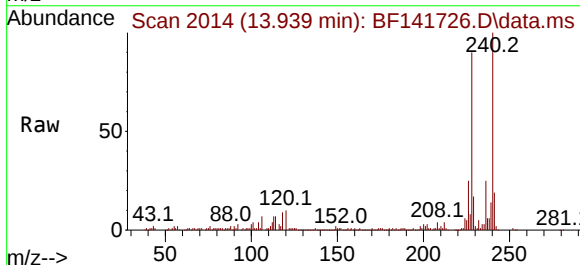
Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-COMPMSD

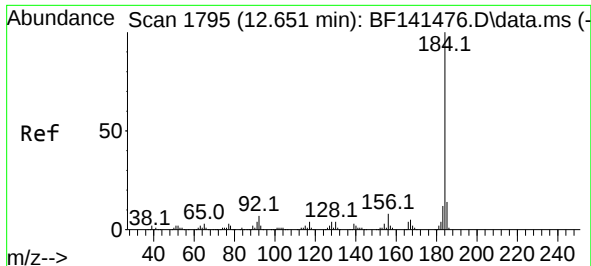
Tgt Ion:202 Resp: 571495  
Ion Ratio Lower Upper  
202 100  
101 9.8 0.0 30.2  
203 17.4 0.0 37.6



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.939 min Scan# 2014  
Delta R.T. -0.023 min  
Lab File: BF141726.D  
Acq: 21 Feb 2025 18:14

Tgt Ion:240 Resp: 184303  
Ion Ratio Lower Upper  
240 100  
120 9.7 8.0 12.0  
236 25.2 19.8 29.8

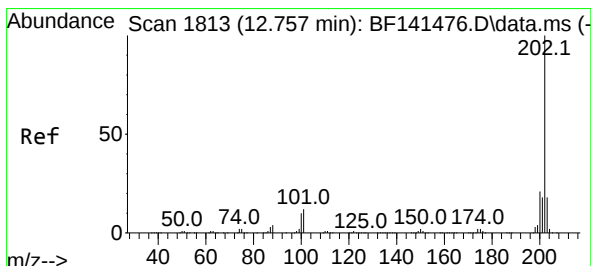
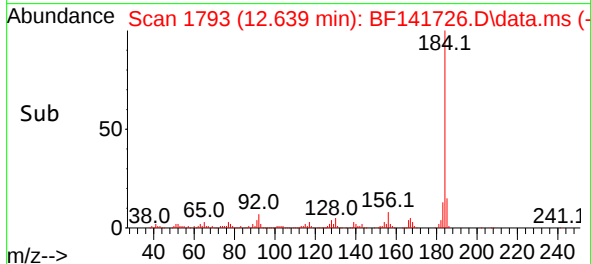
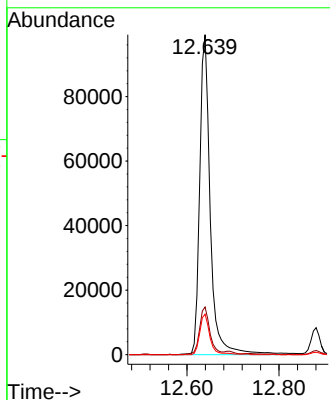
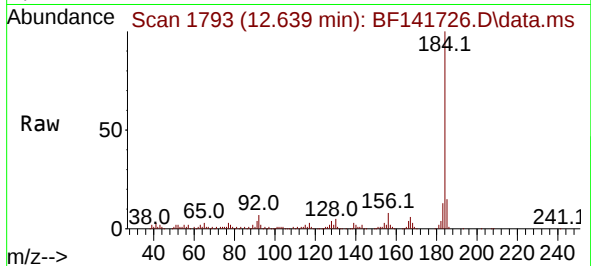




#77  
Benzidine  
Concen: 38.889 ng  
RT: 12.639 min Scan# 1793  
Delta R.T. -0.017 min  
Lab File: BF141726.D  
Acq: 21 Feb 2025 18:14

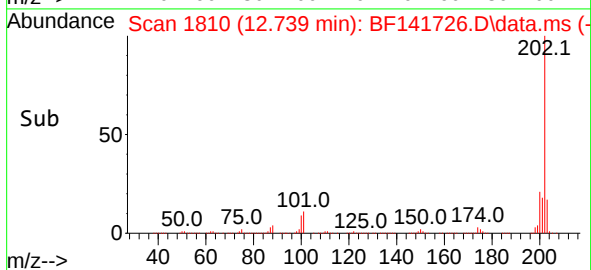
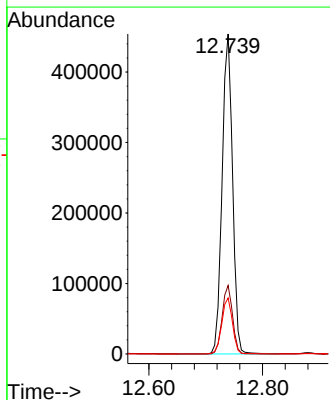
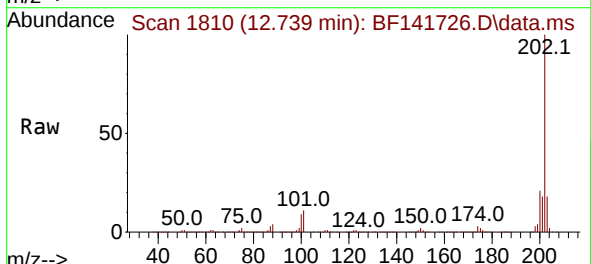
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BNA\_F  
ClientSampleId :  
SOIL-COMPMSD

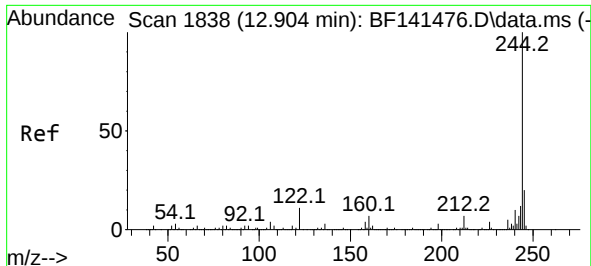
Tgt Ion:184 Resp: 158072  
Ion Ratio Lower Upper  
184 100  
185 14.9 11.3 16.9  
183 12.7 9.3 13.9



#78  
Pyrene  
Concen: 37.095 ng  
RT: 12.739 min Scan# 1810  
Delta R.T. -0.023 min  
Lab File: BF141726.D  
Acq: 21 Feb 2025 18:14

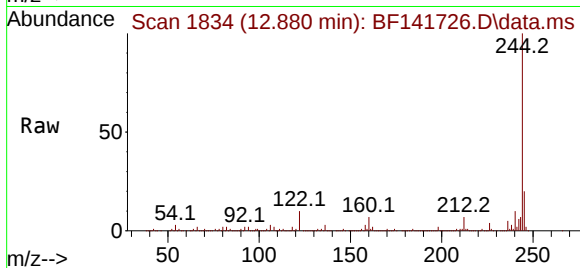
Tgt Ion:202 Resp: 581984  
Ion Ratio Lower Upper  
202 100  
200 21.4 17.0 25.4  
203 17.5 14.3 21.5



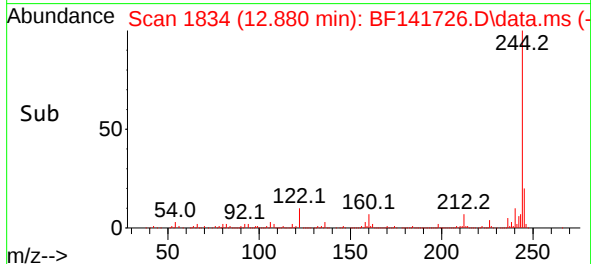
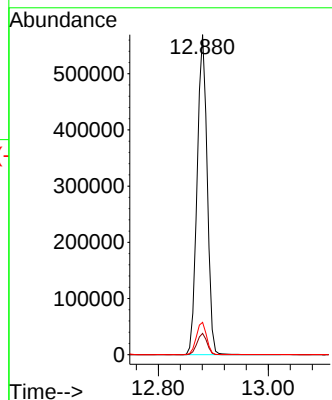


#79  
 Terphenyl-d14  
 Concen: 66.188 ng  
 RT: 12.880 min Scan# 11  
 Delta R.T. -0.023 min  
 Lab File: BF141726.D  
 Acq: 21 Feb 2025 18:14

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SOIL-COMPMSD

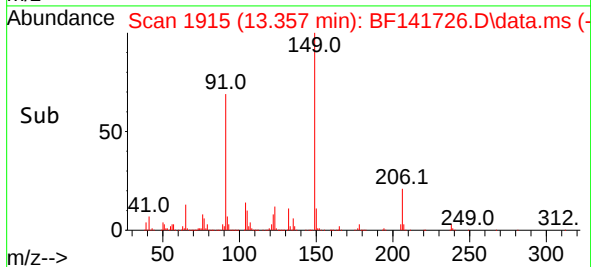
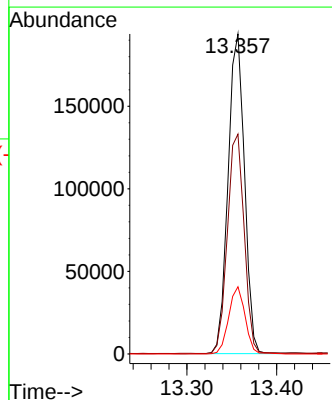
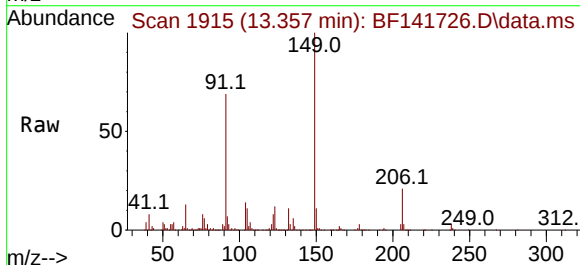


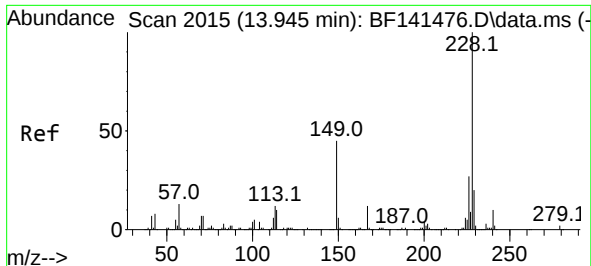
Tgt Ion:244 Resp: 722590  
 Ion Ratio Lower Upper  
 244 100  
 212 6.7 5.6 8.4  
 122 10.1 8.4 12.6



#80  
 Butylbenzylphthalate  
 Concen: 45.244 ng  
 RT: 13.357 min Scan# 1915  
 Delta R.T. -0.023 min  
 Lab File: BF141726.D  
 Acq: 21 Feb 2025 18:14

Tgt Ion:149 Resp: 245866  
 Ion Ratio Lower Upper  
 149 100  
 91 68.7 57.8 86.8  
 206 21.0 16.7 25.1

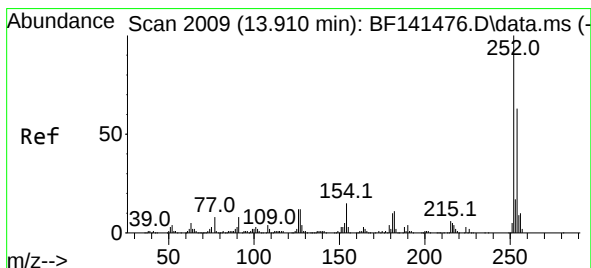
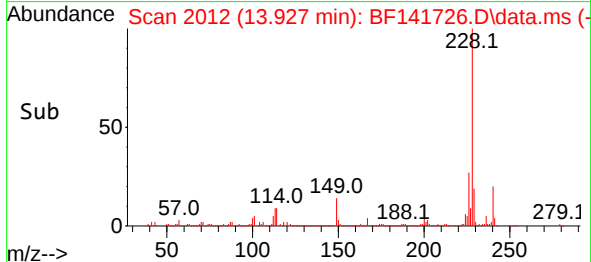
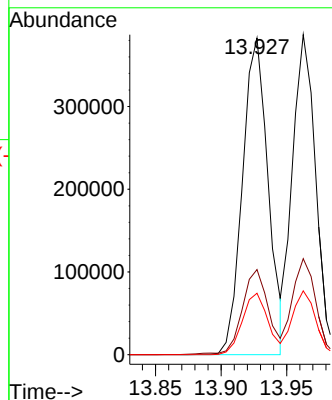
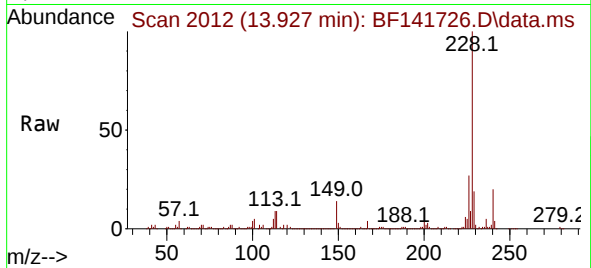




#81  
Benzo(a)anthracene  
Concen: 42.630 ng  
RT: 13.927 min Scan# 2015  
Delta R.T. -0.023 min  
Lab File: BF141726.D  
Acq: 21 Feb 2025 18:14

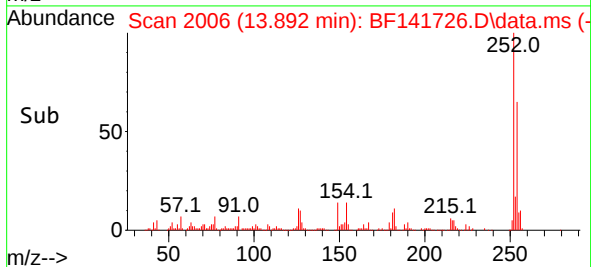
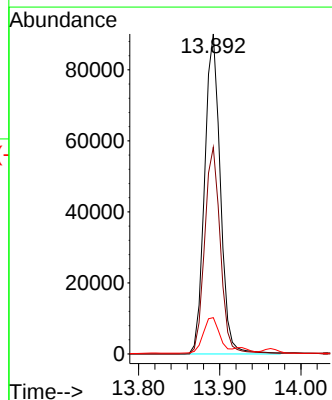
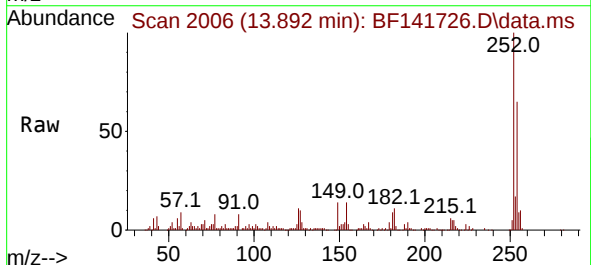
Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-COMPMSD

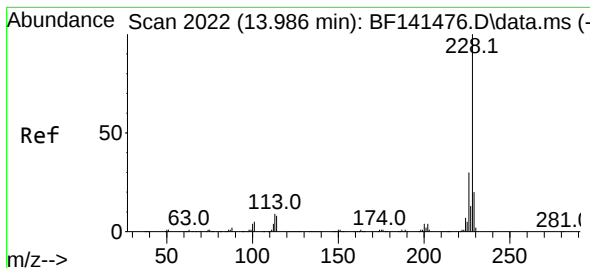
Tgt Ion:228 Resp: 522266  
Ion Ratio Lower Upper  
228 100  
226 26.9 21.8 32.8  
229 19.4 15.8 23.6



#82  
3,3'-Dichlorobenzidine  
Concen: 34.478 ng  
RT: 13.892 min Scan# 2006  
Delta R.T. -0.023 min  
Lab File: BF141726.D  
Acq: 21 Feb 2025 18:14

Tgt Ion:252 Resp: 120998  
Ion Ratio Lower Upper  
252 100  
254 64.6 50.6 76.0  
126 11.3 9.3 13.9





#83

Chrysene

Concen: 42.194 ng

RT: 13.963 min Scan# 2009

Delta R.T. -0.029 min

Lab File: BF141726.D

Acq: 21 Feb 2025 18:14

Instrument :

BNA\_F

ClientSampleId :

SOIL-COMPMSD

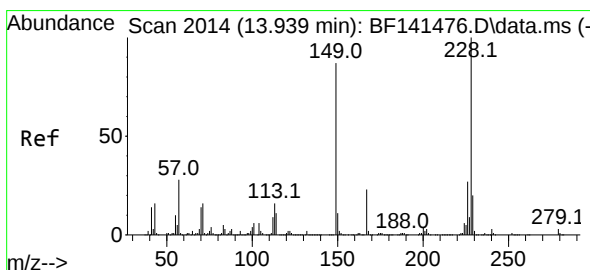
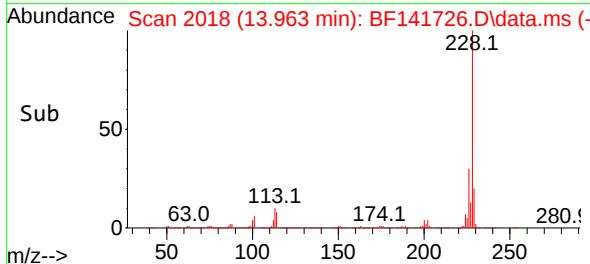
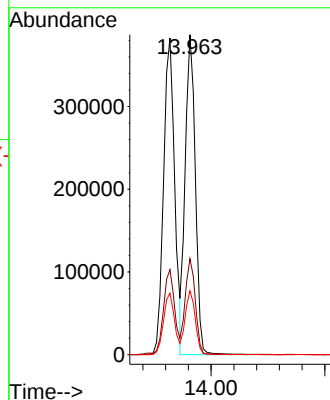
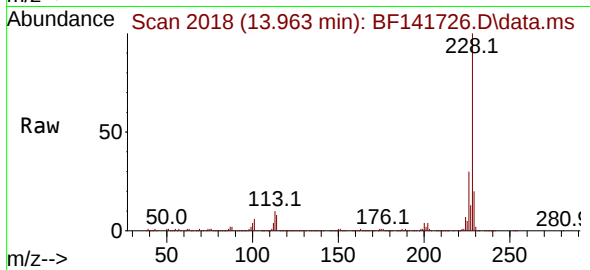
Tgt Ion:228 Resp: 477306

Ion Ratio Lower Upper

228 100

226 30.0 24.0 36.0

229 19.9 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 54.054 ng

RT: 13.910 min Scan# 2009

Delta R.T. -0.029 min

Lab File: BF141726.D

Acq: 21 Feb 2025 18:14

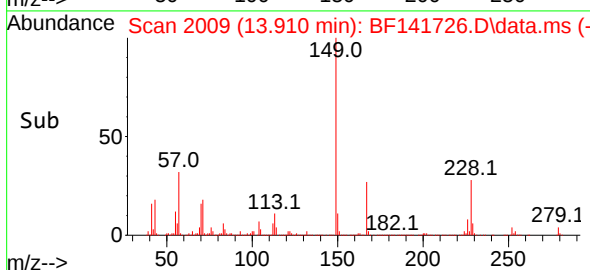
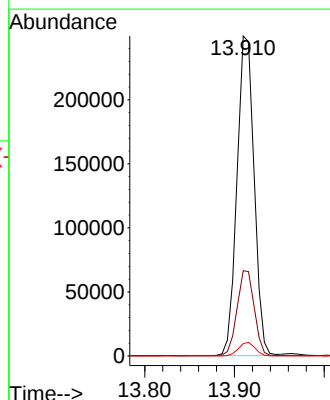
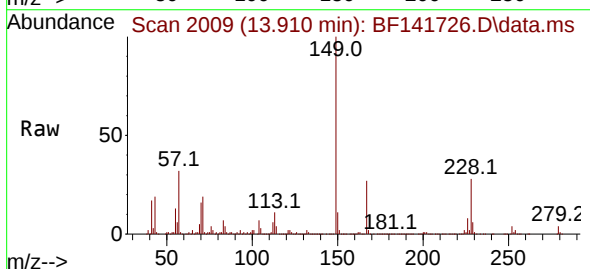
Tgt Ion:149 Resp: 331301

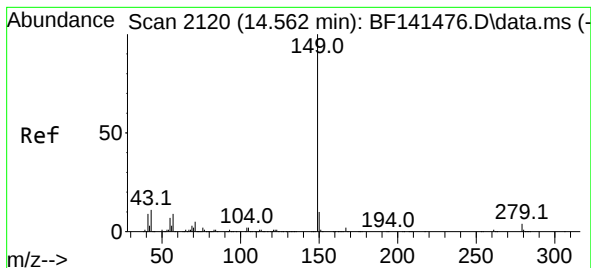
Ion Ratio Lower Upper

149 100

167 26.6 21.4 32.0

279 3.9 3.1 4.7





#85

Di-n-octyl phthalate

Concen: 62.159 ng

RT: 14.521 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF141726.D

Acq: 21 Feb 2025 18:14

Instrument :

BNA\_F

ClientSampleId :

SOIL-COMPMSD

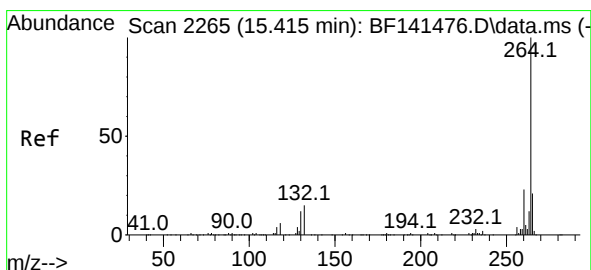
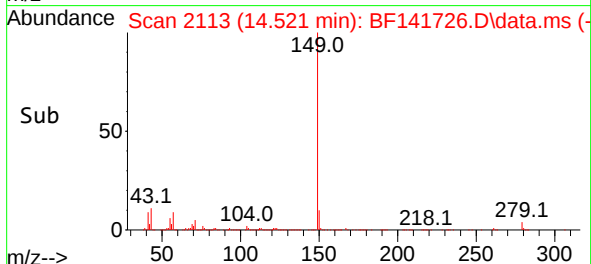
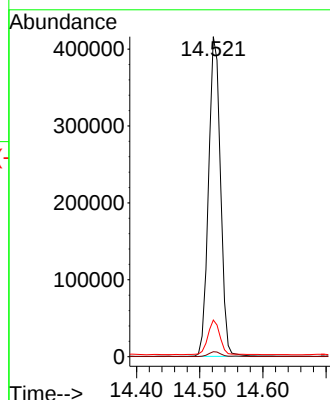
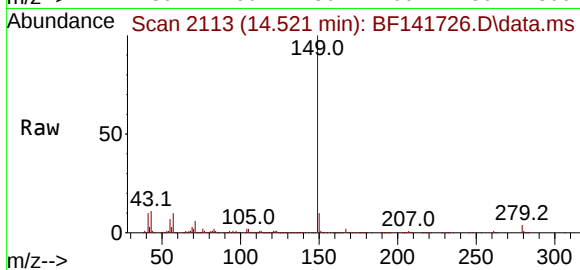
Tgt Ion:149 Resp: 543489

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

43 10.9 9.5 14.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.374 min Scan# 2258

Delta R.T. -0.041 min

Lab File: BF141726.D

Acq: 21 Feb 2025 18:14

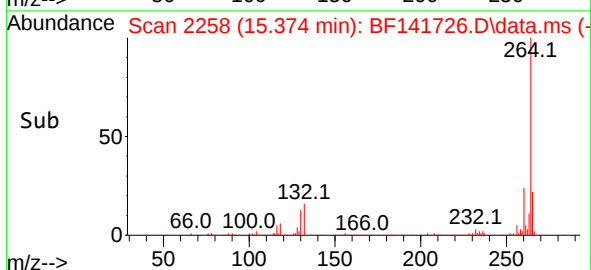
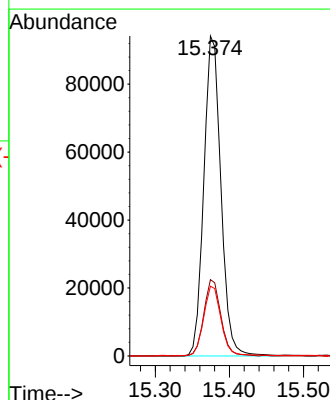
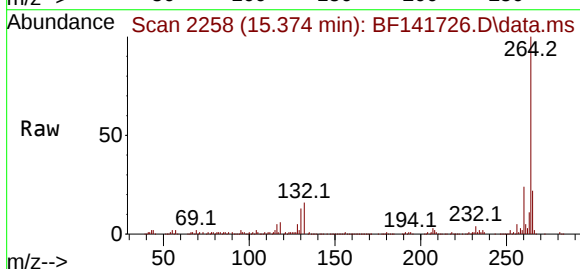
Tgt Ion:264 Resp: 150876

Ion Ratio Lower Upper

264 100

260 23.9 18.6 28.0

265 21.8 17.0 25.4

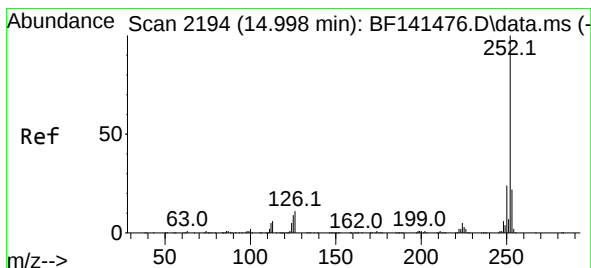
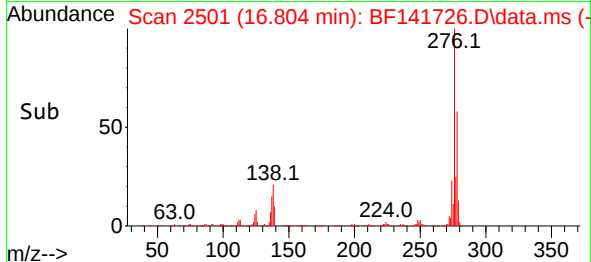
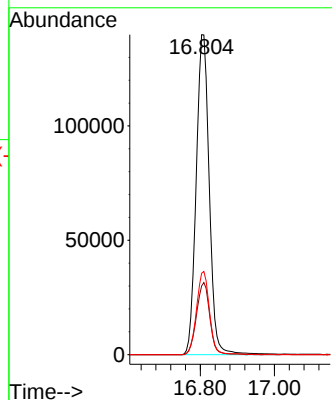
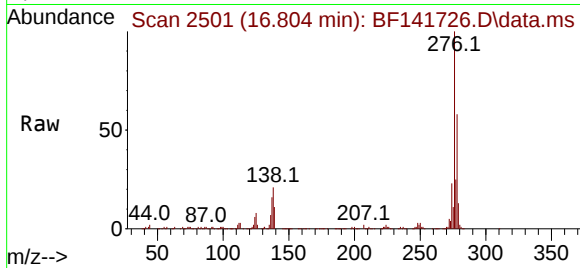




#87  
 Indeno(1,2,3-cd)pyrene  
 Concen: 36.731 ng  
 RT: 16.804 min Scan# 2188  
 Delta R.T. -0.070 min  
 Lab File: BF141726.D  
 Acq: 21 Feb 2025 18:14

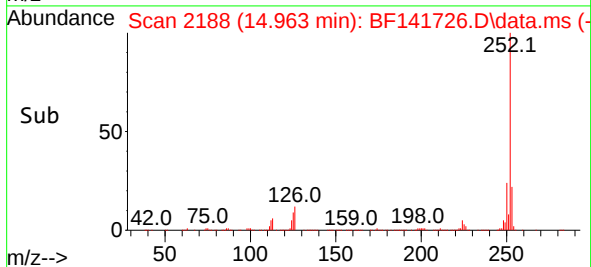
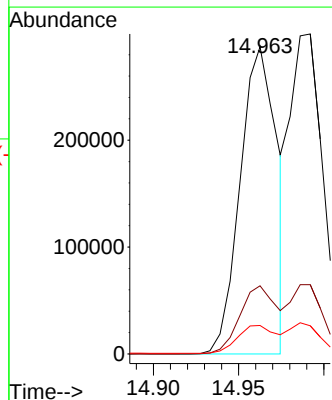
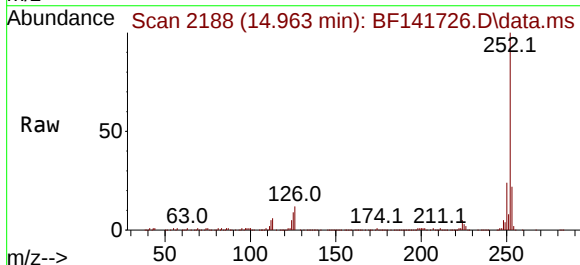
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SOIL-COMPMSD

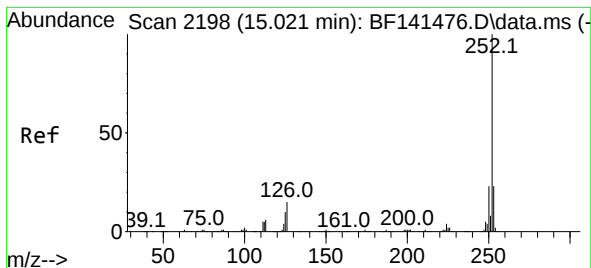
Tgt Ion:276 Resp: 342420  
 Ion Ratio Lower Upper  
 276 100  
 138 22.6 18.0 27.0  
 277 25.7 20.4 30.6



#88  
 Benzo(b)fluoranthene  
 Concen: 42.430 ng  
 RT: 14.963 min Scan# 2188  
 Delta R.T. -0.041 min  
 Lab File: BF141726.D  
 Acq: 21 Feb 2025 18:14

Tgt Ion:252 Resp: 429842  
 Ion Ratio Lower Upper  
 252 100  
 253 22.2 17.5 26.3  
 125 9.3 7.0 10.6





#89

Benzo(k)fluoranthene

Concen: 47.263 ng

RT: 14.992 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF141726.D

Acq: 21 Feb 2025 18:14

Instrument :

BNA\_F

ClientSampleId :

SOIL-COMPMSD

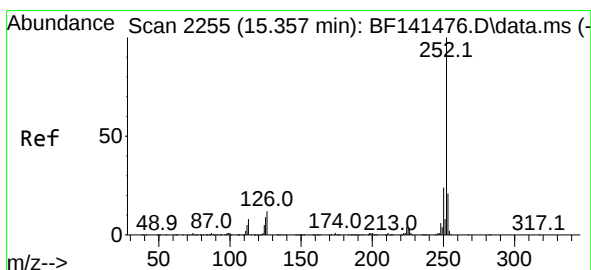
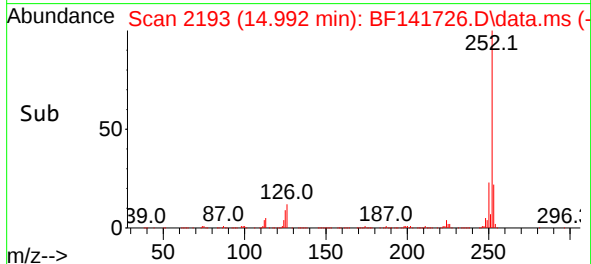
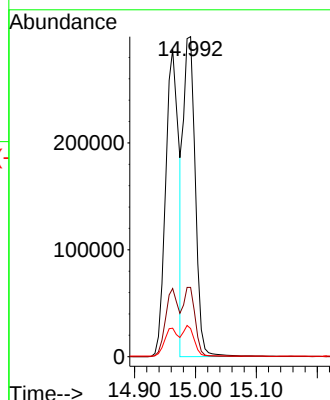
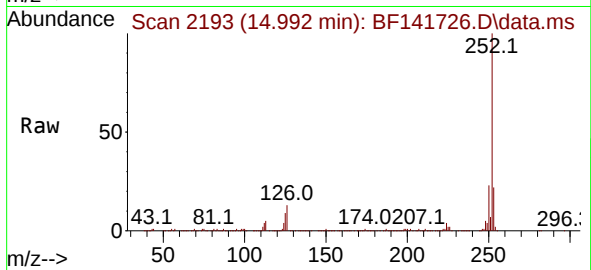
Tgt Ion:252 Resp: 408858

Ion Ratio Lower Upper

252 100

253 21.6 18.0 27.0

125 8.8 7.4 11.0



#90

Benzo(a)pyrene

Concen: 45.570 ng

RT: 15.316 min Scan# 2248

Delta R.T. -0.047 min

Lab File: BF141726.D

Acq: 21 Feb 2025 18:14

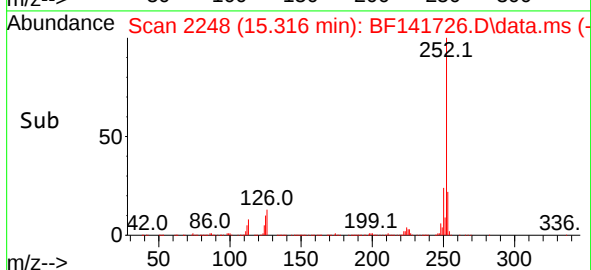
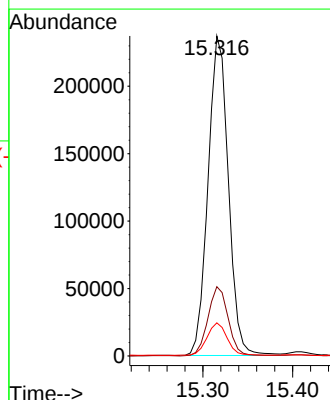
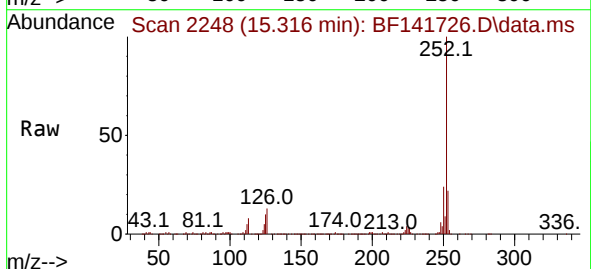
Tgt Ion:252 Resp: 373556

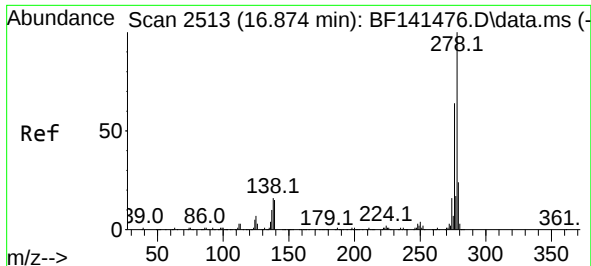
Ion Ratio Lower Upper

252 100

253 21.7 17.1 25.7

125 10.4 7.4 11.2

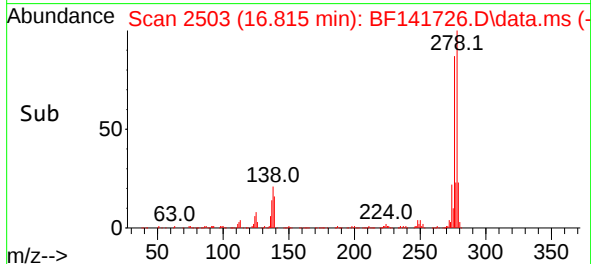
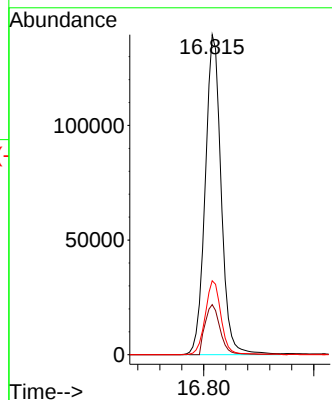
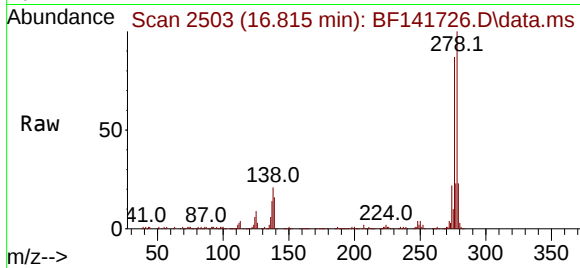




#91  
Dibenzo(a,h)anthracene  
Concen: 37.217 ng  
RT: 16.815 min Scan# 2503  
Delta R.T. -0.076 min  
Lab File: BF141726.D  
Acq: 21 Feb 2025 18:14

Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-COMPMSD

Tgt Ion:278 Resp: 281130  
Ion Ratio Lower Upper  
278 100  
139 15.6 11.8 17.6  
279 23.1 19.1 28.7



#92  
Benzo(g,h,i)perylene  
Concen: 32.249 ng  
RT: 17.233 min Scan# 2574  
Delta R.T. -0.082 min  
Lab File: BF141726.D  
Acq: 21 Feb 2025 18:14

Tgt Ion:276 Resp: 254920  
Ion Ratio Lower Upper  
276 100  
277 24.2 18.6 28.0  
138 19.8 15.9 23.9

