

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF072223\  
 Data File : BF134420.D  
 Acq On : 22 Jul 2023 13:56  
 Operator : CG\JU  
 Sample : 03668-02MSD  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SLUDGE-DRUMMSD

Quant Time: Jul 22 15:09:00 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 14 22:51:27 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.839  | 152  | 62592    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.122  | 136  | 235408   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.880  | 164  | 124935   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.374 | 188  | 247473   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.039 | 240  | 184601   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.545 | 264  | 163290   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.492  | 112  | 422101   | 112.806 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.486  | 99   | 468211   | 101.747 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.404  | 82   | 374095   | 85.663  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.680 | 330  | 208845   | 133.325 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.198  | 172  | 716950   | 83.433  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.968 | 244  | 903348   | 78.757  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.822  | 88   | 51247    | 33.215  | ng    | # 78     |
| 3) Pyridine                   | 3.563  | 79   | 98114    | 24.414  | ng    | 92       |
| 4) n-Nitrosodimethylamine     | 3.493  | 42   | 85578    | 37.285  | ng    | 95       |
| 6) Aniline                    | 6.510  | 93   | 103297   | 18.447  | ng    | # 85     |
| 8) 2-Chlorophenol             | 6.628  | 128  | 159286   | 41.935  | ng    | 98       |
| 9) Benzaldehyde               | 6.398  | 77   | 59765    | 20.686  | ng    | 90       |
| 10) Phenol                    | 6.498  | 94   | 167981   | 34.719  | ng    | 91       |
| 11) bis(2-Chloroethyl)ether   | 6.575  | 93   | 141037   | 39.594  | ng    | 96       |
| 12) 1,3-Dichlorobenzene       | 6.781  | 146  | 172250   | 42.536  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.857  | 146  | 176438   | 43.136  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.004  | 146  | 168691   | 44.037  | ng    | 99       |
| 15) Benzyl Alcohol            | 6.986  | 79   | 151273   | 42.642  | ng    | 96       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.110  | 45   | 215083   | 34.130  | ng    | 59       |
| 17) 2-Methylphenol            | 7.098  | 107  | 129158   | 37.972  | ng    | 94       |
| 18) Hexachloroethane          | 7.345  | 117  | 73531    | 48.484  | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 7.251  | 70   | 121902   | 41.772  | ng    | 99       |
| 20) 3+4-Methylphenols         | 7.251  | 107  | 164570   | 39.882  | ng    | 88       |
| 22) Acetophenone              | 7.251  | 105  | 251700   | 47.014  | ng    | # 93     |
| 24) Nitrobenzene              | 7.422  | 77   | 179540   | 40.684  | ng    | 94       |
| 25) Isophorone                | 7.663  | 82   | 317831   | 40.045  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.739  | 139  | 89431    | 42.244  | ng    | 97       |
| 27) 2,4-Dimethylphenol        | 7.781  | 122  | 141817   | 42.320  | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 7.869  | 93   | 184630   | 40.175  | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 7.981  | 162  | 139328   | 41.929  | ng    | 96       |
| 30) 1,2,4-Trichlorobenzene    | 8.063  | 180  | 149635   | 43.641  | ng    | 99       |
| 31) Naphthalene               | 8.139  | 128  | 480020   | 42.215  | ng    | 99       |
| 32) Benzoic acid              | 7.898  | 122  | 30601    | 12.187  | ng    | 93       |
| 33) 4-Chloroaniline           | 8.192  | 127  | 33656    | 6.919   | ng    | 97       |
| 34) Hexachlorobutadiene       | 8.251  | 225  | 99585    | 46.043  | ng    | 99       |
| 35) Caprolactam               | 8.580  | 113  | 36807    | 33.641  | ng    | 94       |
| 36) 4-Chloro-3-methylphenol   | 8.686  | 107  | 160754   | 43.063  | ng    | 95       |
| 37) 2-Methylnaphthalene       | 8.833  | 142  | 345735   | 42.996  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.933  | 142  | 324894   | 43.462  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 8.998  | 216  | 156737   | 42.345  | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 8.980  | 237  | 113714   | 64.757  | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.116  | 196  | 98053    | 38.915  | ng    | 98       |

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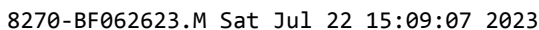
Instrument :  
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 SLUDGE-DRUMMSD

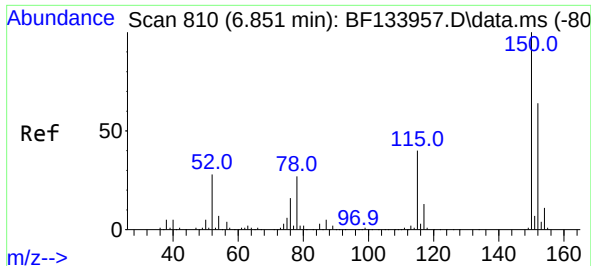
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 14 22:51:27 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.163  | 196  | 107114   | 36.140 | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.298  | 154  | 407068   | 40.618 | ng    | 97       |
| 47) 2-Chloronaphthalene       | 9.327  | 162  | 304390   | 41.512 | ng    | 98       |
| 48) 2-Nitroaniline            | 9.427  | 65   | 103963   | 38.903 | ng    | 97       |
| 49) Acenaphthylene            | 9.739  | 152  | 491927   | 39.273 | ng    | 99       |
| 50) Dimethylphthalate         | 9.604  | 163  | 366767   | 40.442 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.669  | 165  | 80661    | 41.294 | ng    | 90       |
| 52) Acenaphthene              | 9.916  | 154  | 300232   | 41.307 | ng    | 97       |
| 53) 3-Nitroaniline            | 9.839  | 138  | 38963    | 16.627 | ng #  | 93       |
| 54) 2,4-Dinitrophenol         | 9.957  | 184  | 65126    | 58.808 | ng    | 95       |
| 55) Dibenzofuran              | 10.086 | 168  | 450899   | 39.695 | ng    | 96       |
| 56) 4-Nitrophenol             | 10.022 | 139  | 86437    | 52.733 | ng    | 92       |
| 57) 2,4-Dinitrotoluene        | 10.080 | 165  | 108333   | 41.996 | ng #  | 86       |
| 58) Fluorene                  | 10.433 | 166  | 370738   | 41.952 | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.210 | 232  | 91151    | 38.988 | ng    | 99       |
| 60) Diethylphthalate          | 10.304 | 149  | 383044   | 40.540 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.422 | 204  | 178561   | 41.927 | ng    | 99       |
| 62) 4-Nitroaniline            | 10.463 | 138  | 74645    | 31.608 | ng    | 88       |
| 63) Azobenzene                | 10.580 | 77   | 342098   | 38.276 | ng    | 97       |
| 65) 4,6-Dinitro-2-methylph... | 10.498 | 198  | 51749    | 38.355 | ng    | 98       |
| 66) n-Nitrosodiphenylamine    | 10.545 | 169  | 316255   | 39.998 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.916 | 248  | 108968   | 41.427 | ng    | 97       |
| 68) Hexachlorobenzene         | 10.980 | 284  | 131970   | 47.254 | ng    | 98       |
| 69) Atrazine                  | 11.080 | 200  | 106833   | 48.847 | ng    | 97       |
| 70) Pentachlorophenol         | 11.186 | 266  | 97057    | 58.123 | ng    | 99       |
| 71) Phenanthrene              | 11.398 | 178  | 521035   | 41.823 | ng    | 99       |
| 72) Anthracene                | 11.451 | 178  | 526661   | 40.644 | ng    | 99       |
| 73) Carbazole                 | 11.610 | 167  | 494213   | 41.669 | ng    | 97       |
| 74) Di-n-butylphthalate       | 11.939 | 149  | 598649   | 42.444 | ng    | 99       |
| 75) Fluoranthene              | 12.598 | 202  | 572727   | 42.524 | ng    | 97       |
| 77) Benzidine                 | 12.721 | 184  | 184405   | 41.982 | ng    | 98       |
| 78) Pyrene                    | 12.827 | 202  | 597199   | 34.762 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.445 | 149  | 256947   | 39.879 | ng    | 99       |
| 81) Benzo(a)anthracene        | 14.027 | 228  | 515135   | 40.237 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 13.992 | 252  | 101548   | 25.036 | ng    | 99       |
| 83) Chrysene                  | 14.068 | 228  | 472123   | 38.075 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 14.010 | 149  | 341711   | 46.155 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.627 | 149  | 522129   | 47.996 | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.109 | 276  | 455117   | 40.167 | ng #  | 94       |
| 88) Benzo(b)fluoranthene      | 15.133 | 252  | 421926   | 43.943 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.133 | 252  | 421926   | 43.160 | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.486 | 252  | 365504   | 39.367 | ng #  | 97       |
| 91) Dibenzo(a,h)anthracene    | 17.121 | 278  | 378685   | 40.918 | ng #  | 96       |
| 92) Benzo(g,h,i)perylene      | 17.580 | 276  | 367434   | 38.499 | ng #  | 95       |

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

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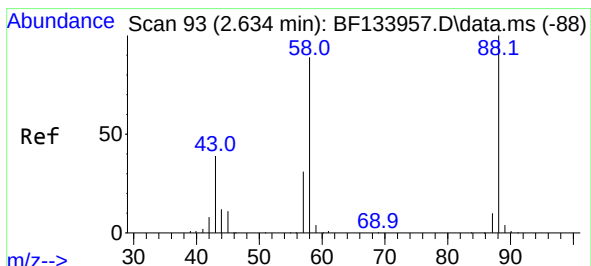
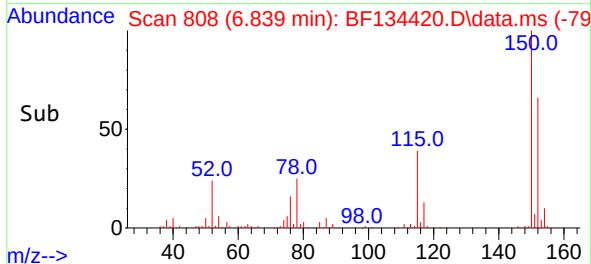
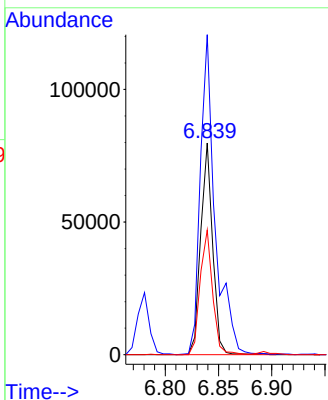
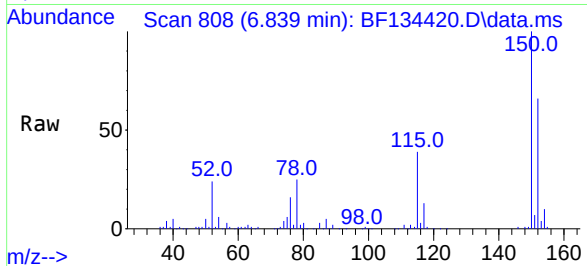




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.839 min Scan# 80  
 Delta R.T. -0.006 min  
 Lab File: BF134420.D  
 Acq: 22 Jul 2023 13:56

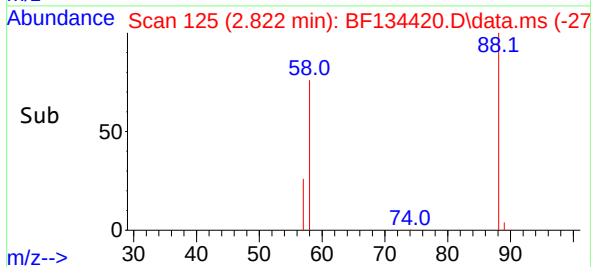
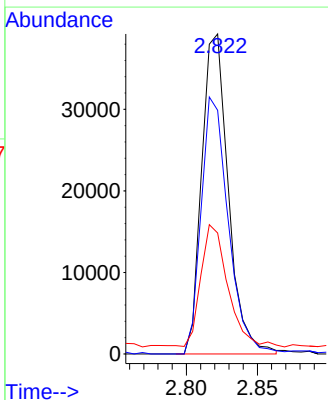
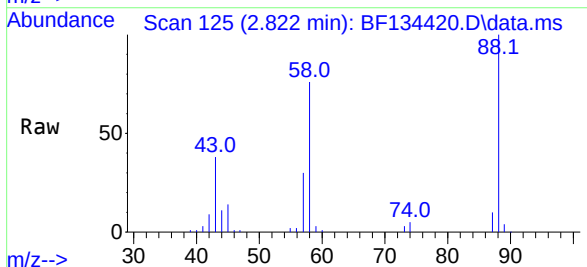
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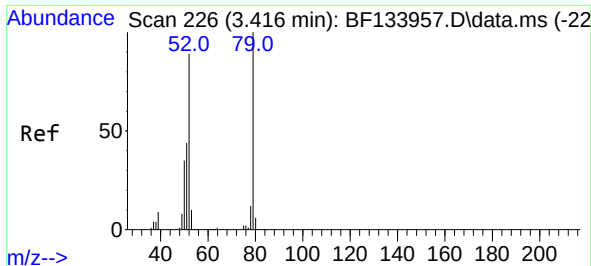
Tgt Ion:152 Resp: 62592  
 Ion Ratio Lower Upper  
 152 100  
 150 151.2 124.5 186.7  
 115 58.9 50.2 75.2



#2  
 1,4-Dioxane  
 Concen: 33.215 ng  
 RT: 2.822 min Scan# 125  
 Delta R.T. 0.229 min  
 Lab File: BF134420.D  
 Acq: 22 Jul 2023 13:56

Tgt Ion: 88 Resp: 51247  
 Ion Ratio Lower Upper  
 88 100  
 58 82.2 68.8 103.2  
 43 0.0 30.7 46.1#

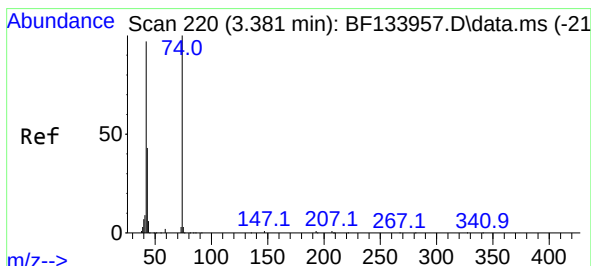
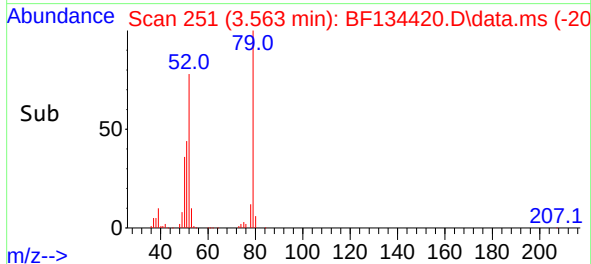
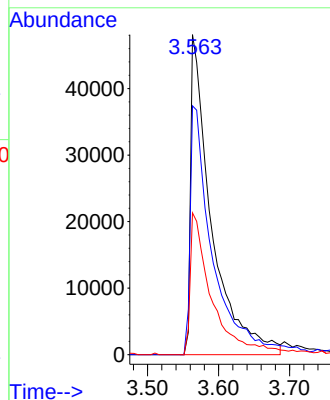
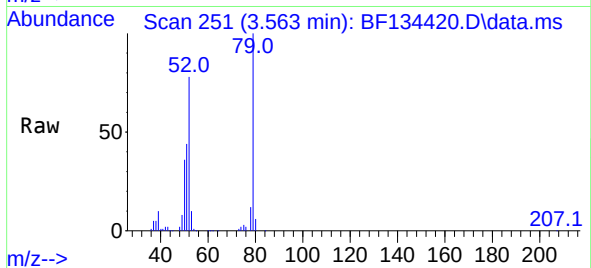




#3  
Pyridine  
Concen: 24.414 ng  
RT: 3.563 min Scan# 21  
Delta R.T. 0.182 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

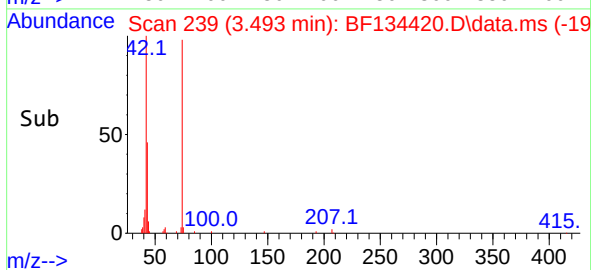
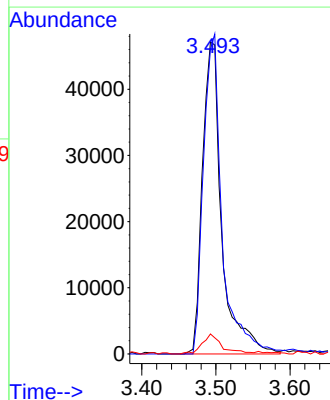
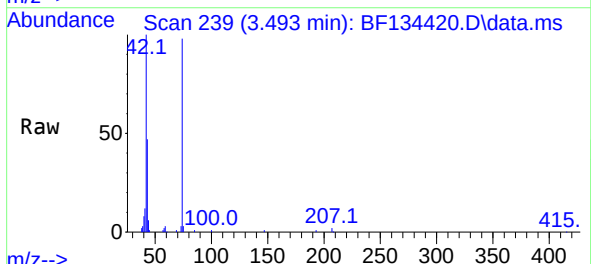
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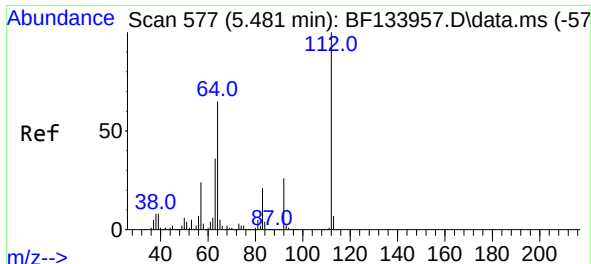
Tgt Ion: 79 Resp: 98114  
Ion Ratio Lower Upper  
79 100  
52 77.7 71.1 106.7  
51 44.3 35.2 52.8



#4  
n-Nitrosodimethylamine  
Concen: 37.285 ng  
RT: 3.493 min Scan# 239  
Delta R.T. 0.153 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

Tgt Ion: 42 Resp: 85578  
Ion Ratio Lower Upper  
42 100  
74 97.7 82.4 123.6  
44 6.4 4.9 7.3

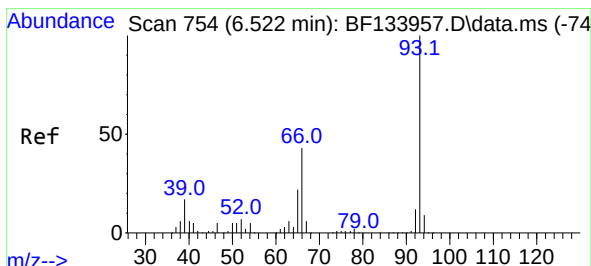
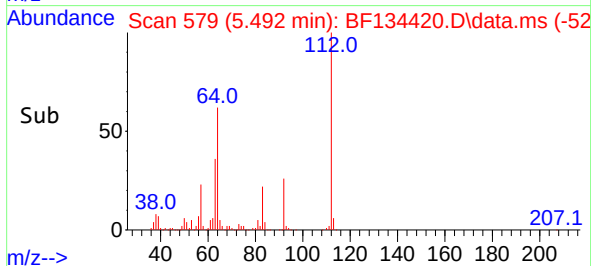
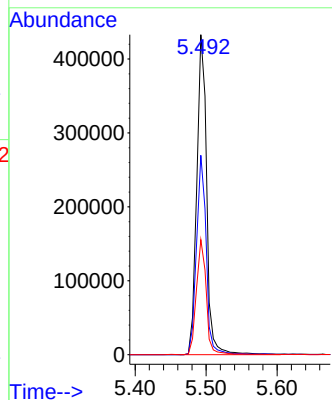
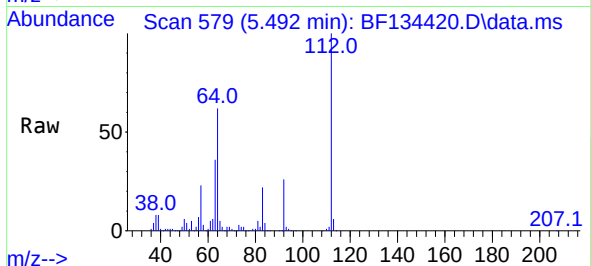




#5  
2-Fluorophenol  
Concen: 112.806 ng  
RT: 5.492 min Scan# 51  
Delta R.T. 0.024 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

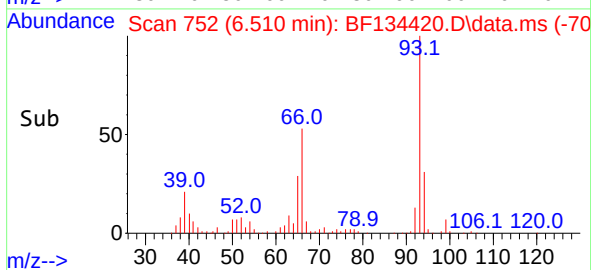
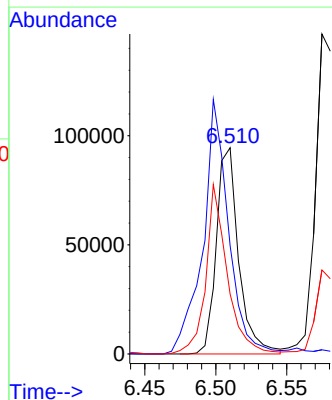
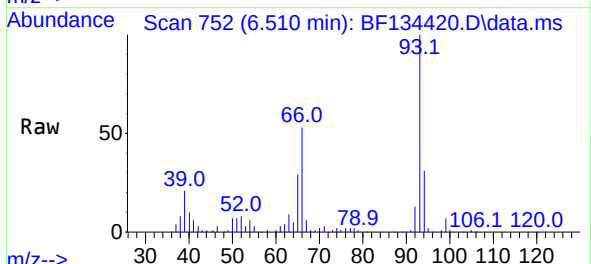
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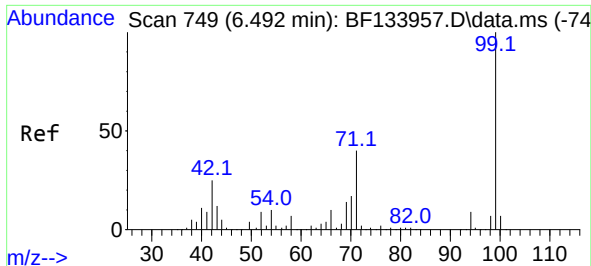
Tgt Ion:112 Resp: 422101  
Ion Ratio Lower Upper  
112 100  
64 62.3 52.1 78.1  
63 36.0 28.6 42.8



#6  
Aniline  
Concen: 18.447 ng  
RT: 6.510 min Scan# 752  
Delta R.T. -0.000 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

Tgt Ion: 93 Resp: 103297  
Ion Ratio Lower Upper  
93 100  
66 52.5 34.5 51.7#  
65 29.0 17.8 26.6#

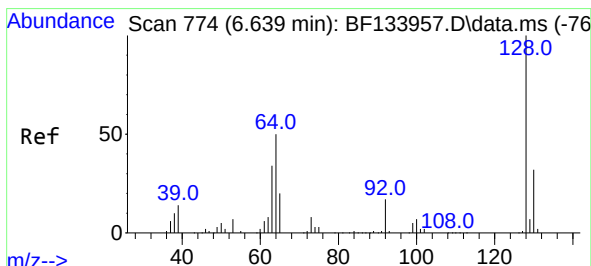
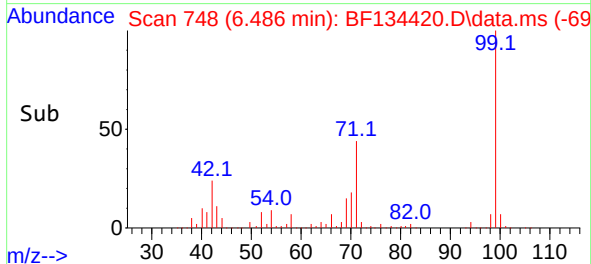
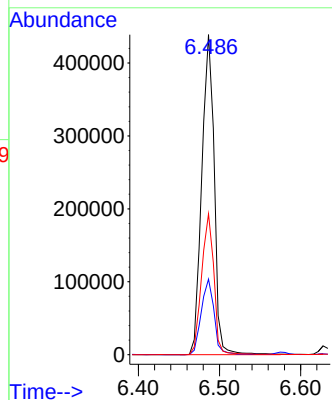
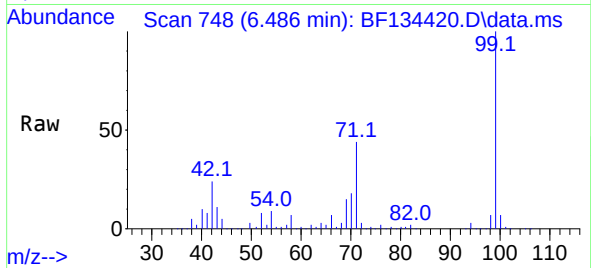




#7  
Phenol-d6  
Concen: 101.747 ng  
RT: 6.486 min Scan# 749  
Delta R.T. -0.000 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

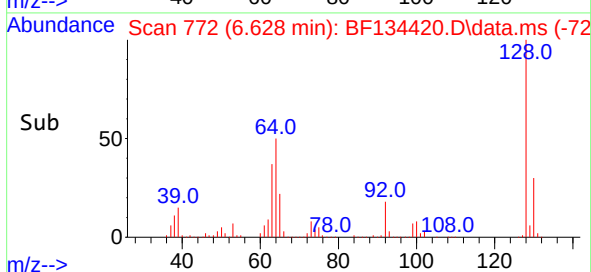
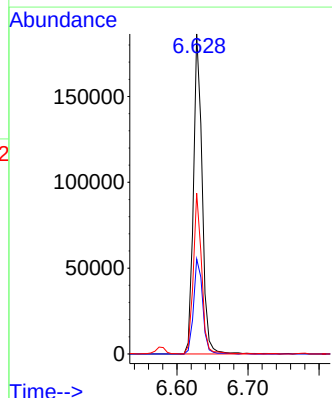
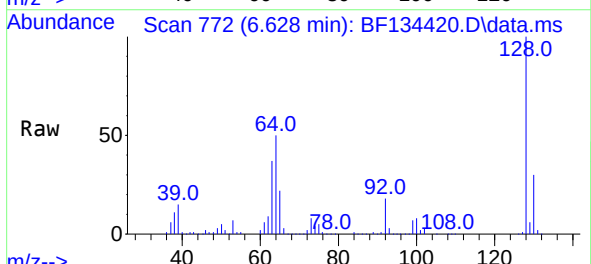
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ClientSampleId :  
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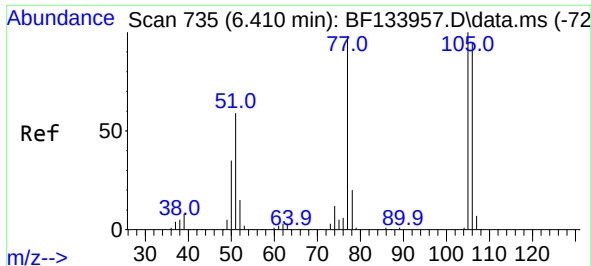
Tgt Ion: 99 Resp: 468211  
Ion Ratio Lower Upper  
99 100  
42 23.6 19.8 29.6  
71 44.0 31.9 47.9



#8  
2-Chlorophenol  
Concen: 41.935 ng  
RT: 6.628 min Scan# 772  
Delta R.T. -0.006 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

Tgt Ion:128 Resp: 159286  
Ion Ratio Lower Upper  
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130 29.7 11.7 51.7  
64 50.2 31.3 71.3

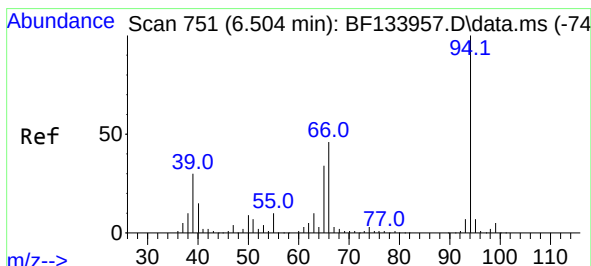
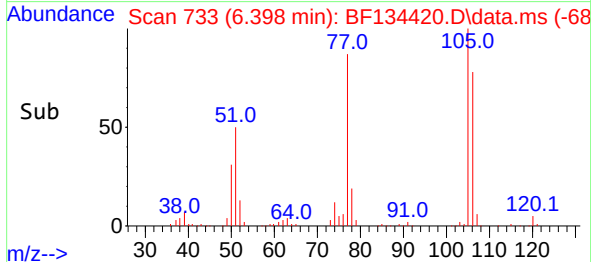
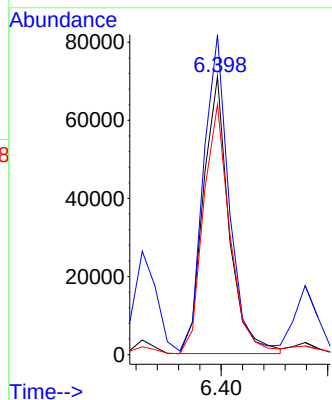
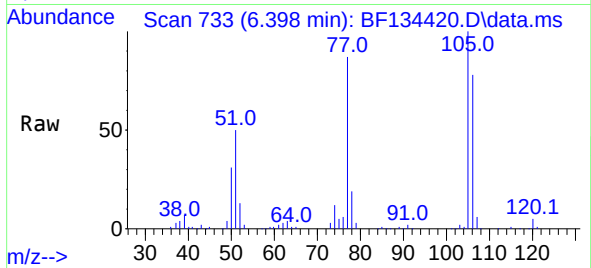




#9  
Benzaldehyde  
Concen: 20.686 ng  
RT: 6.398 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

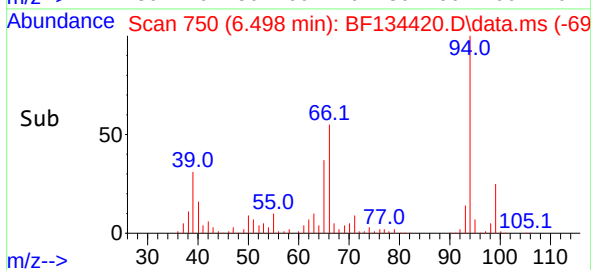
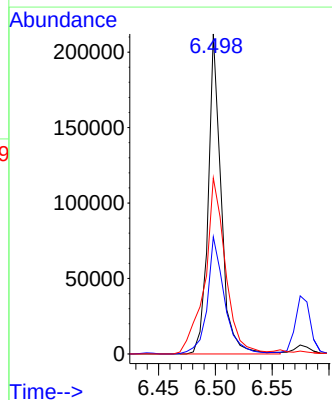
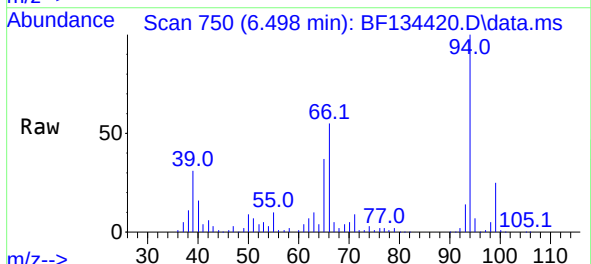
Instrument :  
BNA\_F  
ClientSampleId :  
SLUDGE-DRUMMSD

Tgt Ion: 77 Resp: 59765  
Ion Ratio Lower Upper  
77 100  
105 115.1 82.0 122.0  
106 90.0 76.9 116.9

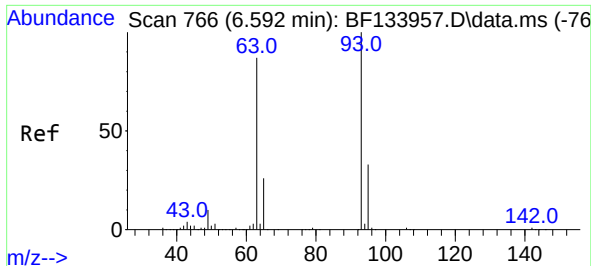


#10  
Phenol  
Concen: 34.719 ng  
RT: 6.498 min Scan# 750  
Delta R.T. -0.000 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

Tgt Ion: 94 Resp: 167981  
Ion Ratio Lower Upper  
94 100  
65 36.6 14.2 54.2  
66 55.0 26.4 66.4



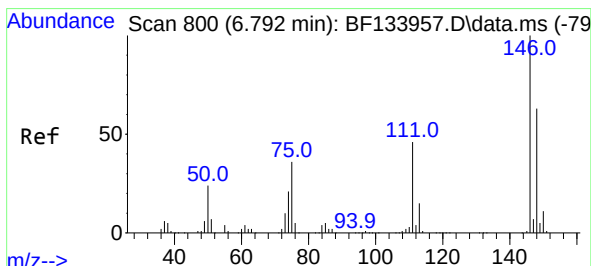
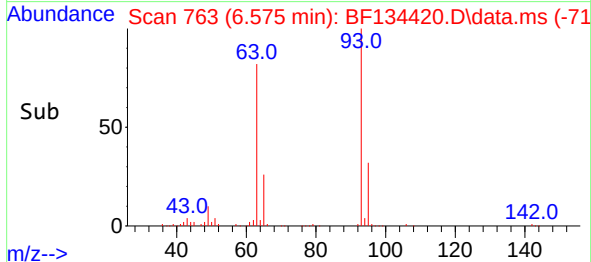
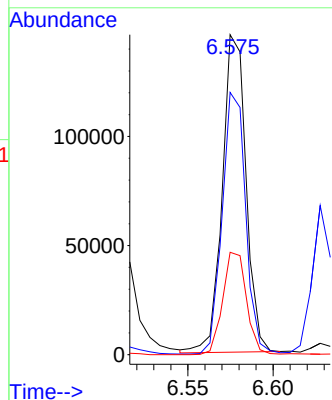
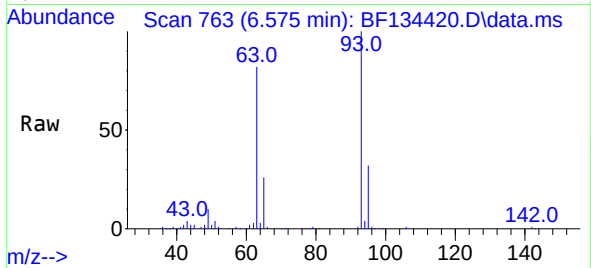




#11  
bis(2-Chloroethyl)ether  
Concen: 39.594 ng  
RT: 6.575 min Scan# 709  
Delta R.T. -0.012 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

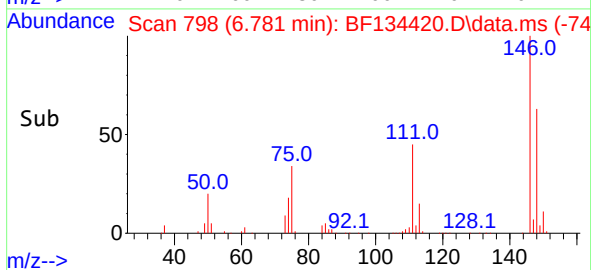
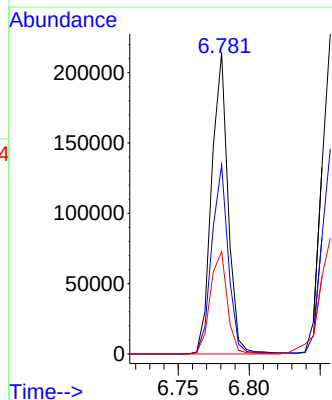
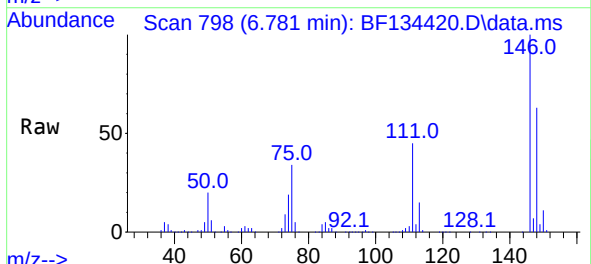
Instrument :  
BNA\_F  
ClientSampleId :  
SLUDGE-DRUMMSD

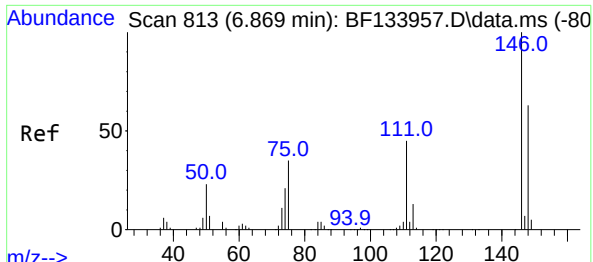
Tgt Ion: 93 Resp: 141037  
Ion Ratio Lower Upper  
93 100  
63 81.9 66.5 106.5  
95 32.0 12.9 52.9



#12  
1,3-Dichlorobenzene  
Concen: 42.536 ng  
RT: 6.781 min Scan# 798  
Delta R.T. -0.006 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

Tgt Ion: 146 Resp: 172250  
Ion Ratio Lower Upper  
146 100  
148 62.8 50.5 75.7  
75 34.0 29.0 43.6





#13

1,4-Dichlorobenzene

Concen: 43.136 ng

RT: 6.857 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF134420.D

Acq: 22 Jul 2023 13:56

Instrument :

BNA\_F

ClientSampleId :

SLUDGE-DRUMMSD

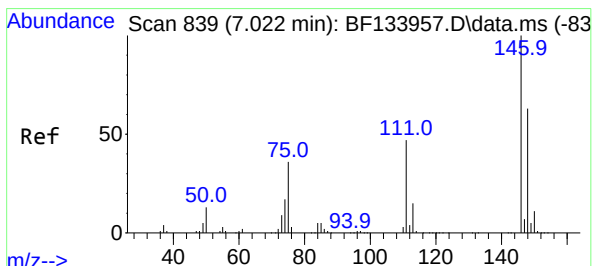
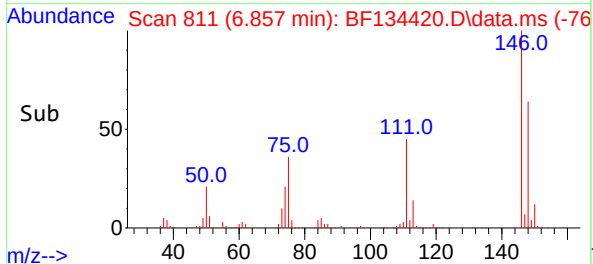
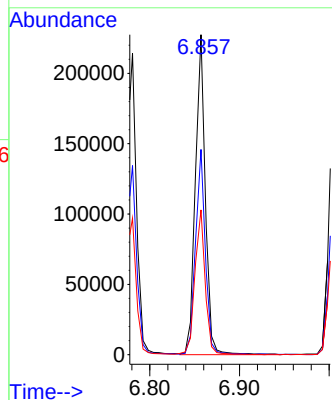
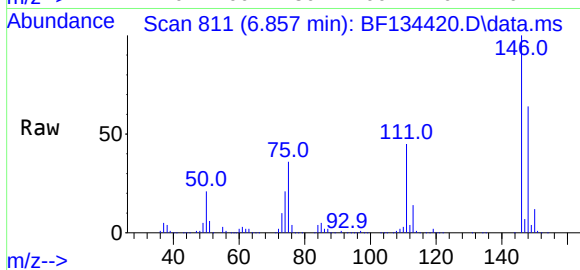
Tgt Ion:146 Resp: 176438

Ion Ratio Lower Upper

146 100

148 64.1 50.2 75.2

111 45.2 35.8 53.6



#14

1,2-Dichlorobenzene

Concen: 44.037 ng

RT: 7.004 min Scan# 836

Delta R.T. -0.012 min

Lab File: BF134420.D

Acq: 22 Jul 2023 13:56

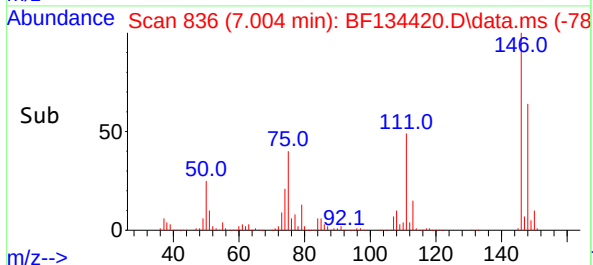
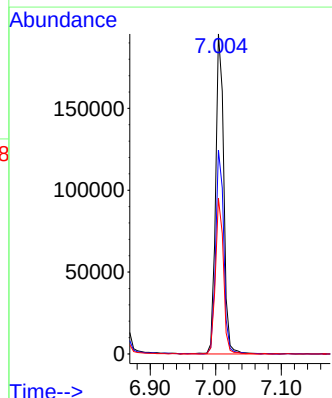
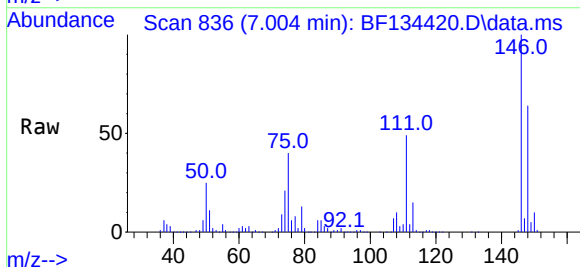
Tgt Ion:146 Resp: 168691

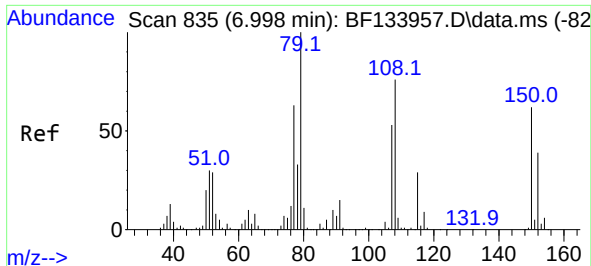
Ion Ratio Lower Upper

146 100

148 63.7 50.6 76.0

111 48.6 38.0 57.0

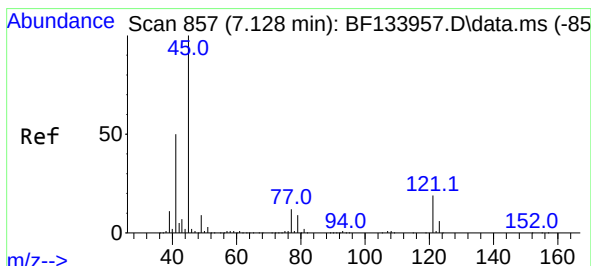
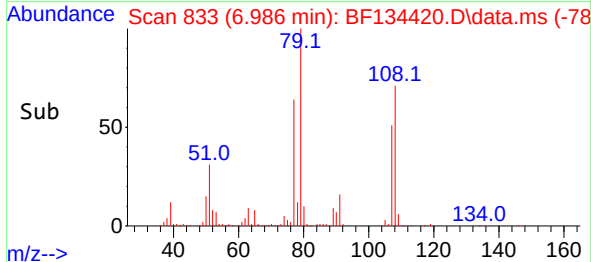
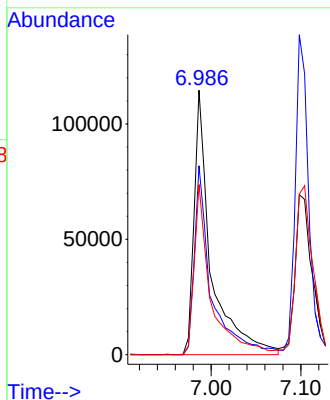
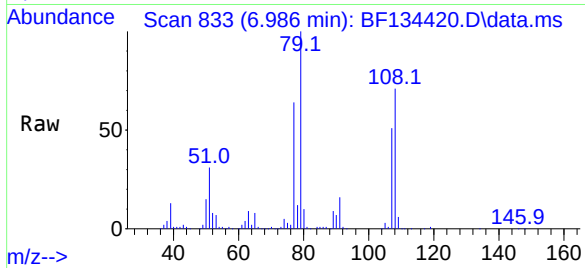




#15  
Benzyl Alcohol  
Concen: 42.642 ng  
RT: 6.986 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

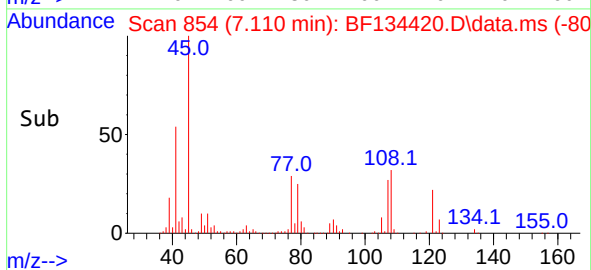
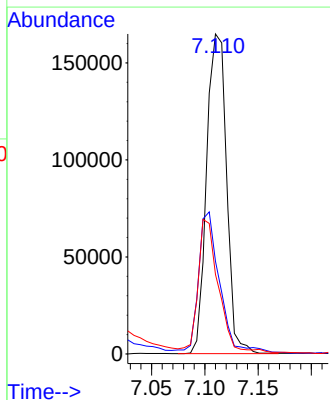
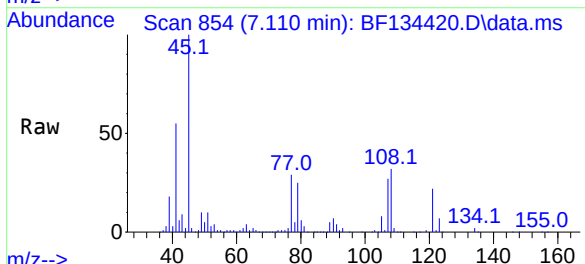
Instrument :  
BNA\_F  
ClientSampleId :  
SLUDGE-DRUMMSD

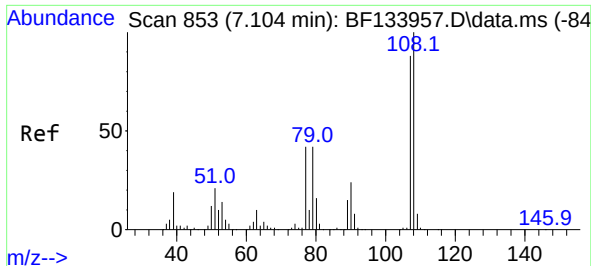
Tgt Ion: 79 Resp: 151273  
Ion Ratio Lower Upper  
79 100  
108 71.4 60.7 91.1  
77 64.4 50.6 75.8



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 34.130 ng  
RT: 7.110 min Scan# 854  
Delta R.T. -0.012 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

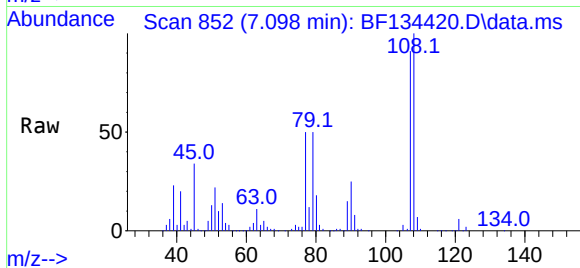
Tgt Ion: 45 Resp: 215083  
Ion Ratio Lower Upper  
45 100  
77 28.9 0.0 32.9  
79 24.9 0.0 29.5





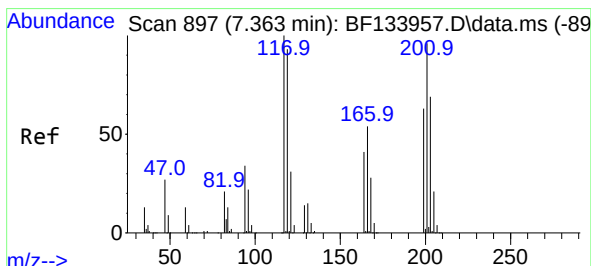
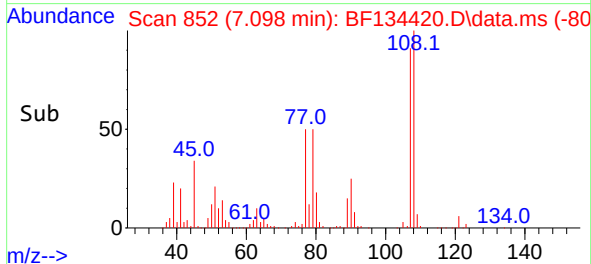
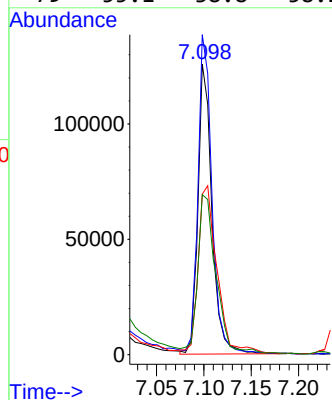
#17  
2-Methylphenol  
Concen: 37.972 ng  
RT: 7.098 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

Instrument :  
BNA\_F  
ClientSampleId :  
SLUDGE-DRUMMSD



Tgt Ion:107 Resp: 129158

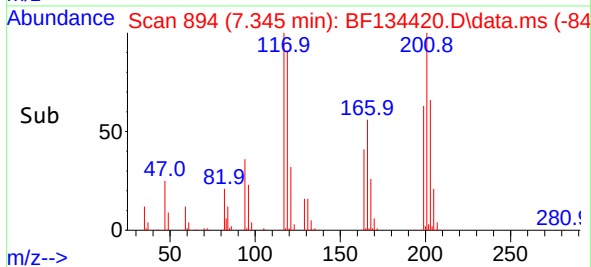
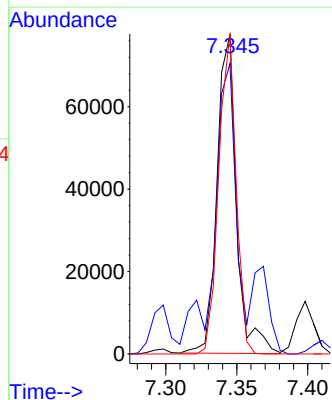
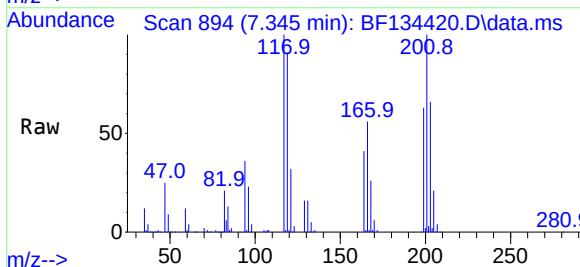
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 107 | 100   |       |       |
| 108 | 110.1 | 90.6  | 136.0 |
| 77  | 55.3  | 38.3  | 57.5  |
| 79  | 55.1  | 38.8  | 58.2  |

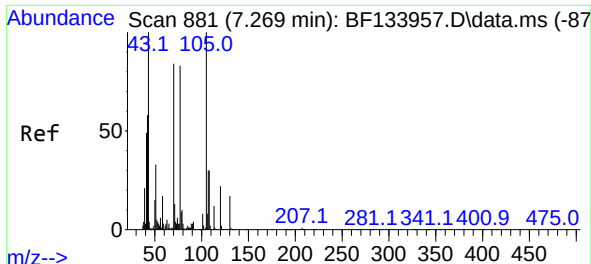


#18  
Hexachloroethane  
Concen: 48.484 ng  
RT: 7.345 min Scan# 894  
Delta R.T. -0.006 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

Tgt Ion:117 Resp: 73531

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 119 | 91.0  | 74.2  | 111.4 |
| 201 | 100.3 | 77.2  | 115.8 |





#19

n-Nitroso-di-n-propylamine

Concen: 41.772 ng

RT: 7.251 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF134420.D

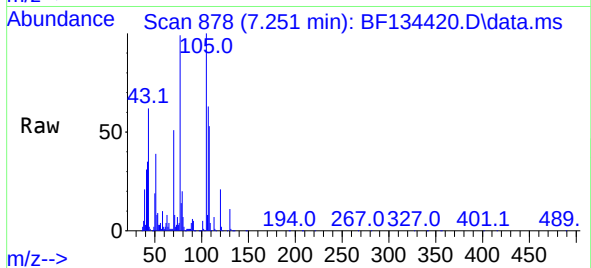
Acq: 22 Jul 2023 13:56

Instrument :

BNA\_F

ClientSampleId :

SLUDGE-DRUMMSD



Tgt Ion: 70 Resp: 121902

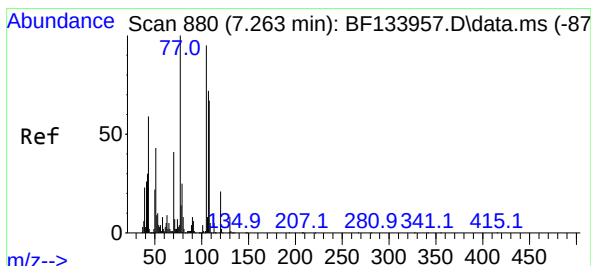
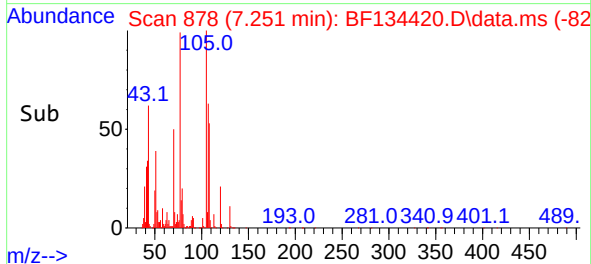
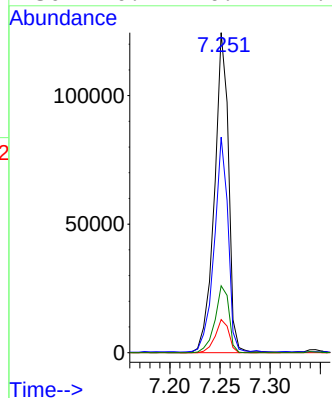
Ion Ratio Lower Upper

70 100

42 67.3 54.7 82.1

101 10.3 7.7 11.5

130 20.9 16.4 24.6



#20

3+4-Methylphenols

Concen: 39.882 ng

RT: 7.251 min Scan# 878

Delta R.T. -0.000 min

Lab File: BF134420.D

Acq: 22 Jul 2023 13:56

Tgt Ion: 107 Resp: 164570

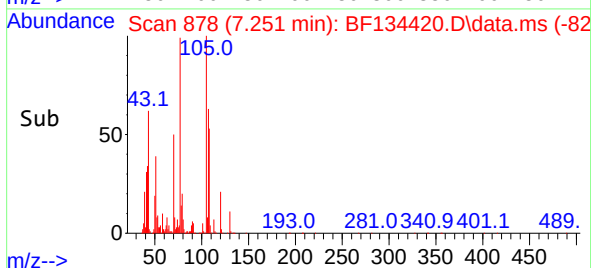
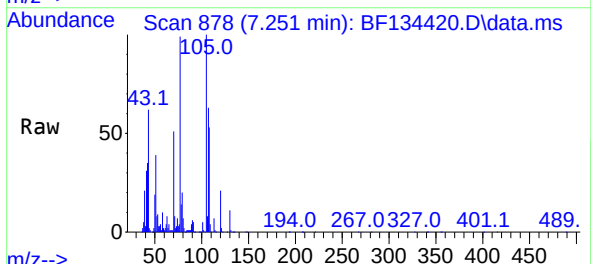
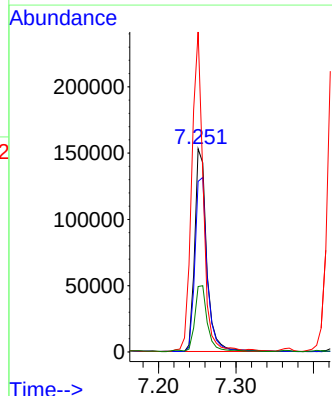
Ion Ratio Lower Upper

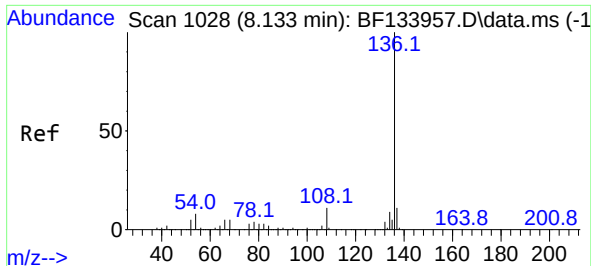
107 100

108 83.9 73.2 113.2

77 157.4 118.3 158.3

79 32.2 14.7 54.7



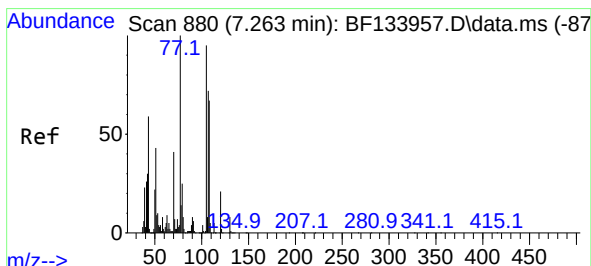
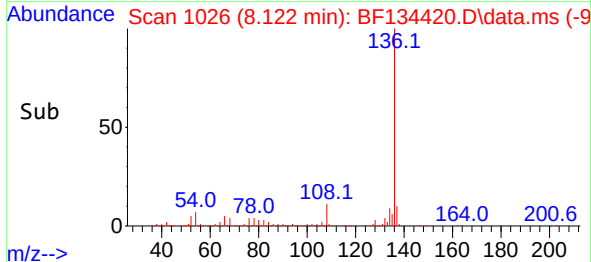
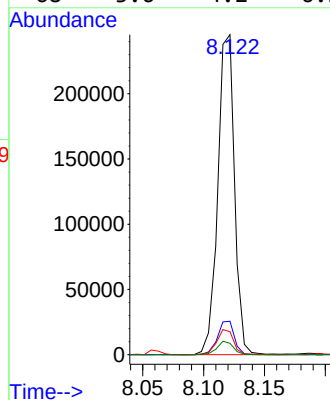
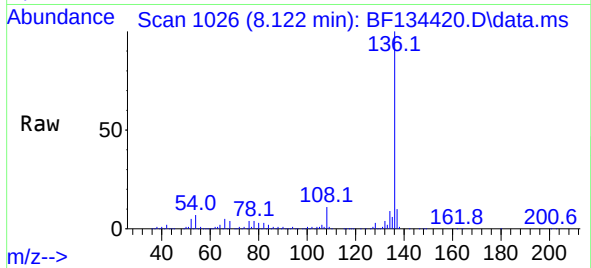


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.122 min Scan# 1026  
Delta R.T. -0.000 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

Instrument :  
BNA\_F  
ClientSampleId :  
SLUDGE-DRUMMSD

Tgt Ion:136 Resp: 235408

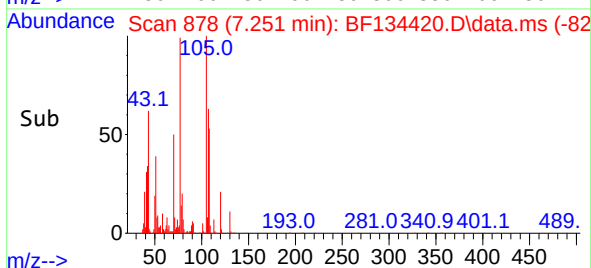
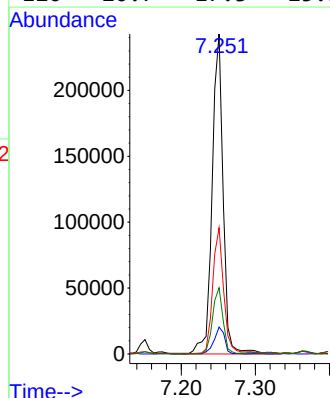
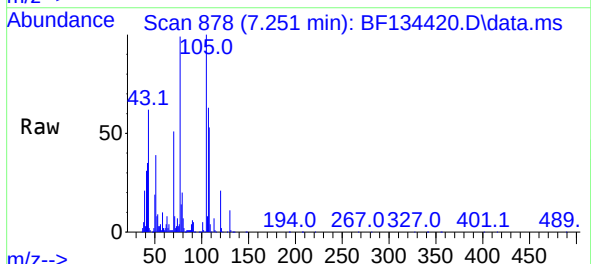
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.5  | 8.6   | 12.8  |
| 54  | 7.2   | 6.5   | 9.7   |
| 68  | 3.6   | 4.2   | 6.2   |

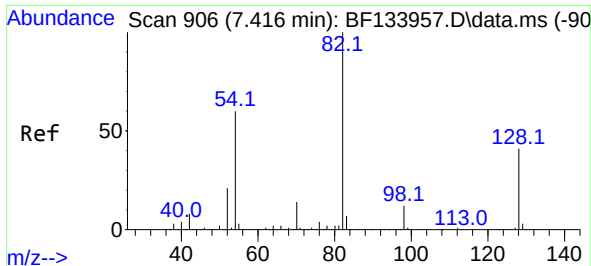


#22  
Acetophenone  
Concen: 47.014 ng  
RT: 7.251 min Scan# 878  
Delta R.T. -0.006 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

Tgt Ion:105 Resp: 251700

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 105 | 100   |       |       |
| 71  | 8.4   | 5.5   | 8.3   |
| 51  | 39.4  | 36.5  | 54.7  |
| 120 | 20.7  | 17.3  | 25.9  |

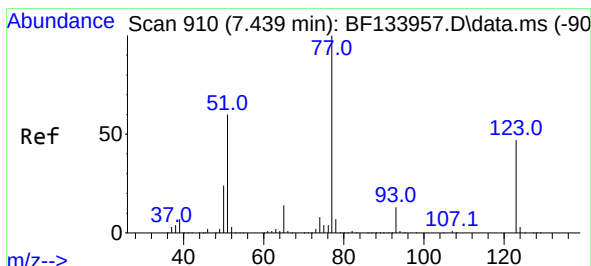
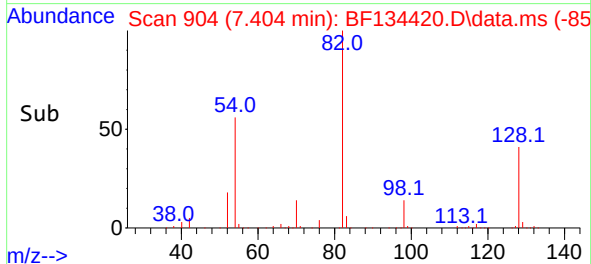
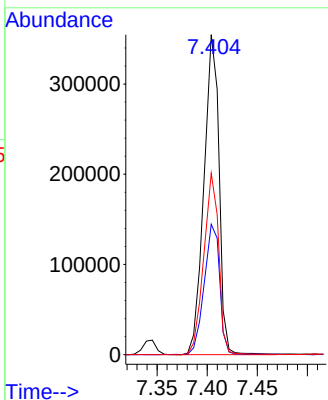
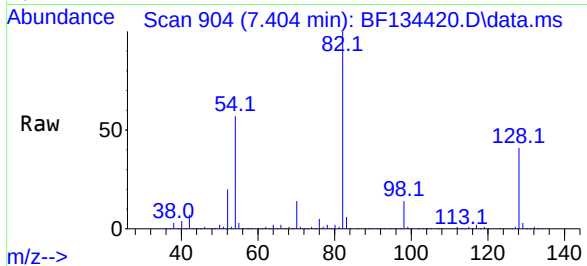




#23  
Nitrobenzene-d5  
Concen: 85.663 ng  
RT: 7.404 min Scan# 904  
Delta R.T. -0.006 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

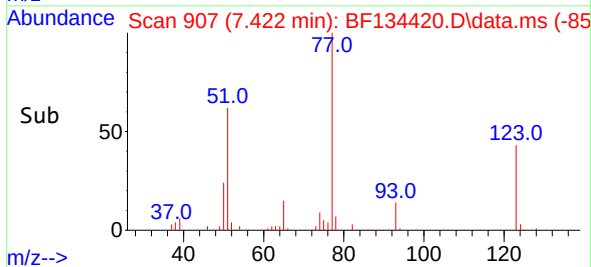
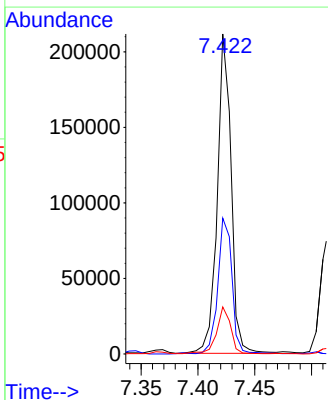
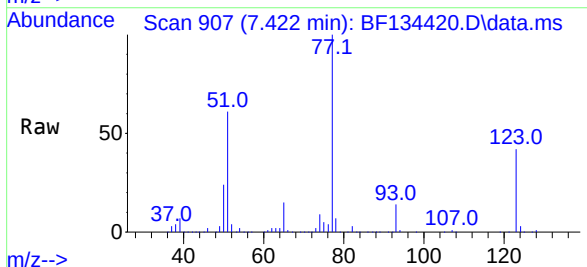
Instrument :  
BNA\_F  
ClientSampleId :  
SLUDGE-DRUMMSD

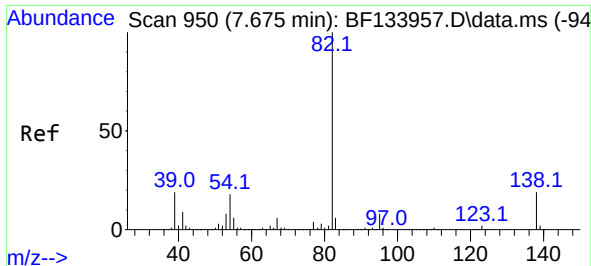
Tgt Ion: 82 Resp: 374095  
Ion Ratio Lower Upper  
82 100  
128 40.7 32.5 48.7  
54 56.7 48.2 72.2



#24  
Nitrobenzene  
Concen: 40.684 ng  
RT: 7.422 min Scan# 907  
Delta R.T. -0.006 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

Tgt Ion: 77 Resp: 179540  
Ion Ratio Lower Upper  
77 100  
123 42.5 37.8 56.6  
65 14.7 11.3 16.9

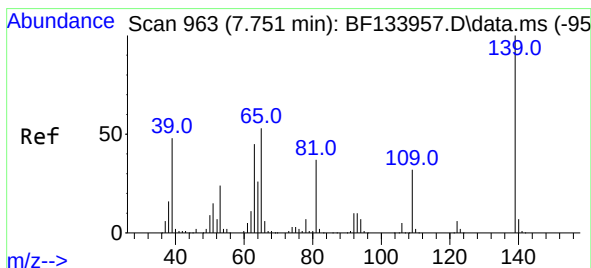
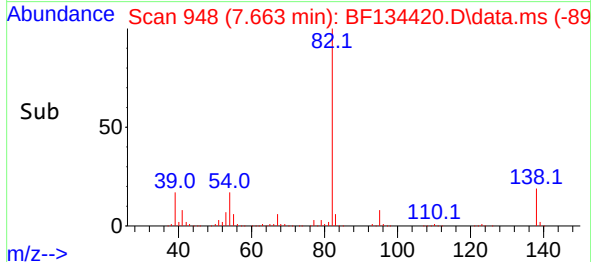
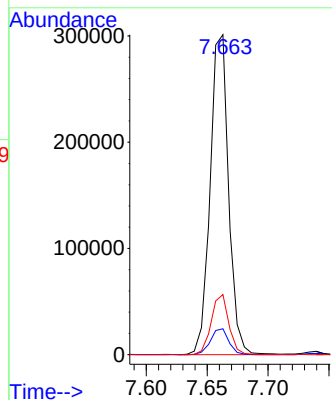
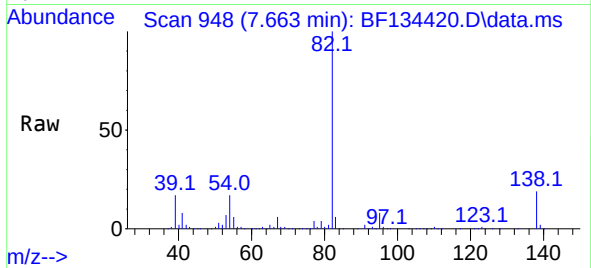




#25  
Isophorone  
Concen: 40.045 ng  
RT: 7.663 min Scan# 94  
Delta R.T. -0.000 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

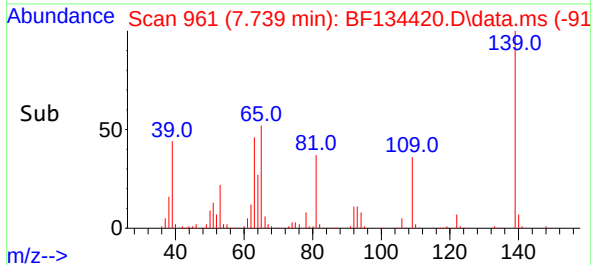
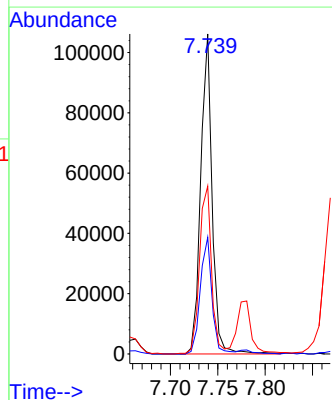
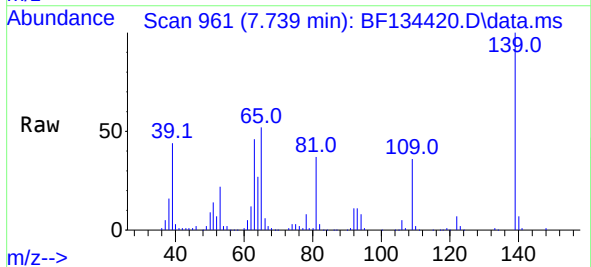
Instrument :  
BNA\_F  
ClientSampleId :  
SLUDGE-DRUMMSD

Tgt Ion: 82 Resp: 317831  
Ion Ratio Lower Upper  
82 100  
95 8.1 6.1 9.1  
138 18.8 15.2 22.8

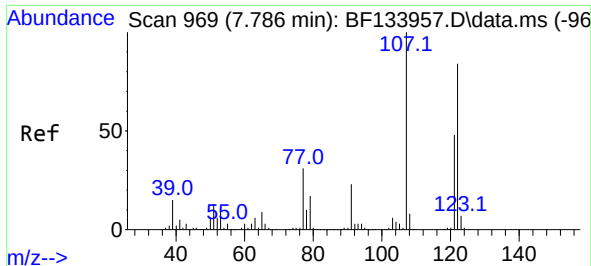


#26  
2-Nitrophenol  
Concen: 42.244 ng  
RT: 7.739 min Scan# 961  
Delta R.T. -0.006 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

Tgt Ion:139 Resp: 89431  
Ion Ratio Lower Upper  
139 100  
109 36.4 25.8 38.8  
65 52.5 42.4 63.6



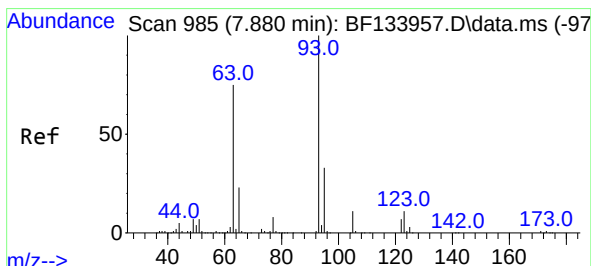
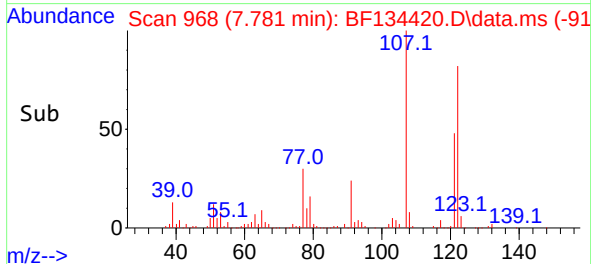
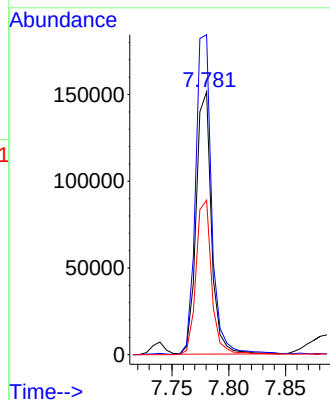
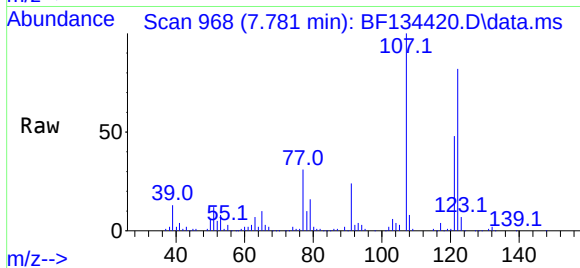




#27  
2,4-Dimethylphenol  
Concen: 42.320 ng  
RT: 7.781 min Scan# 90  
Delta R.T. -0.000 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

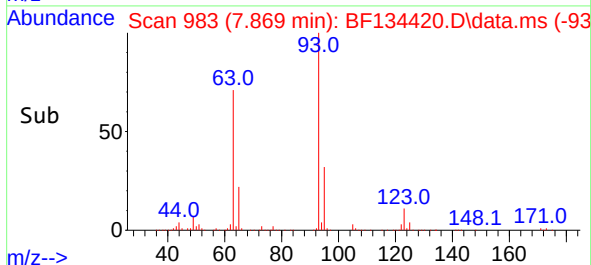
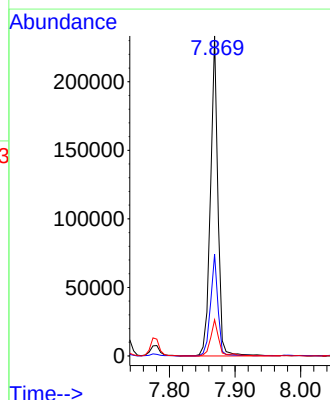
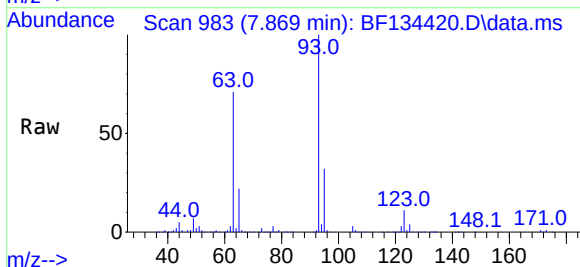
Instrument :  
BNA\_F  
ClientSampleId :  
SLUDGE-DRUMMSD

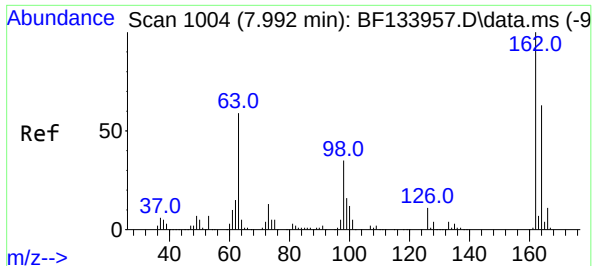
Tgt Ion:122 Resp: 141817  
Ion Ratio Lower Upper  
122 100  
107 121.7 95.5 143.3  
121 58.8 45.5 68.3



#28  
bis(2-Chloroethoxy)methane  
Concen: 40.175 ng  
RT: 7.869 min Scan# 983  
Delta R.T. -0.006 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

Tgt Ion: 93 Resp: 184630  
Ion Ratio Lower Upper  
93 100  
95 31.8 26.5 39.7  
123 11.3 9.1 13.7

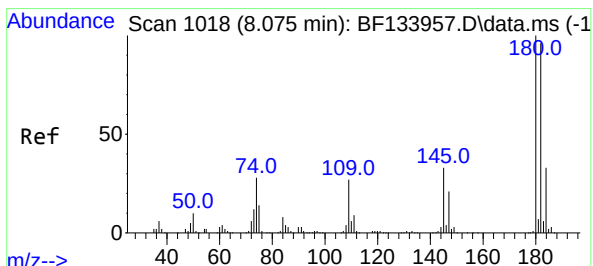
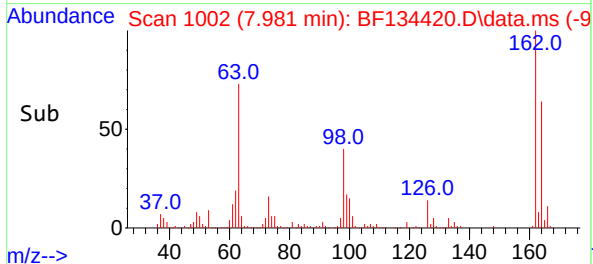
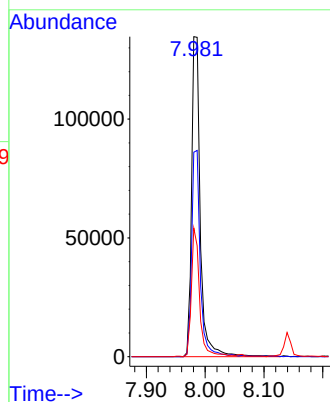
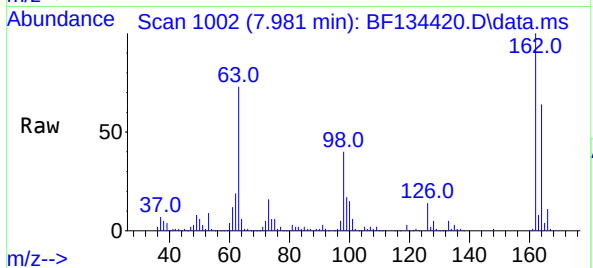




#29  
2,4-Dichlorophenol  
Concen: 41.929 ng  
RT: 7.981 min Scan# 1002  
Delta R.T. -0.006 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

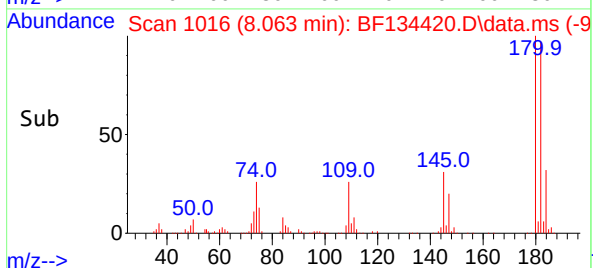
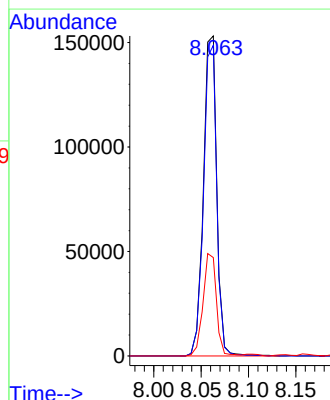
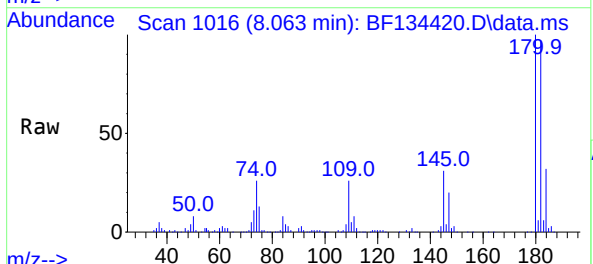
Instrument :  
BNA\_F  
ClientSampleId :  
SLUDGE-DRUMMSD

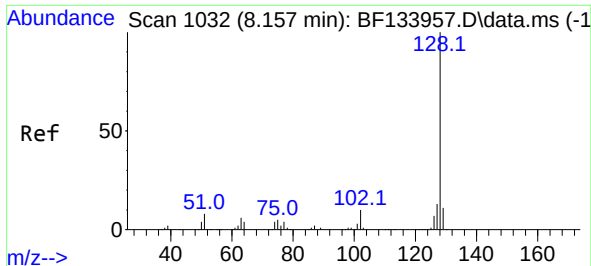
Tgt Ion:162 Resp: 139328  
Ion Ratio Lower Upper  
162 100  
164 63.9 43.2 83.2  
98 40.2 14.9 54.9



#30  
1,2,4-Trichlorobenzene  
Concen: 43.641 ng  
RT: 8.063 min Scan# 1016  
Delta R.T. -0.000 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

Tgt Ion:180 Resp: 149635  
Ion Ratio Lower Upper  
180 100  
182 97.1 77.1 115.7  
145 30.8 26.0 39.0

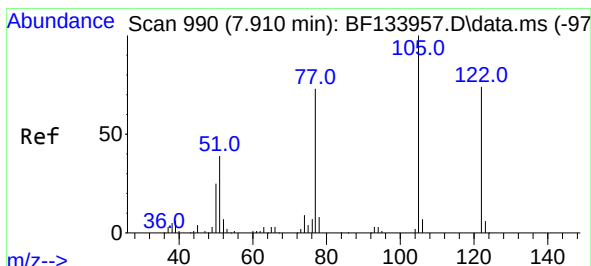
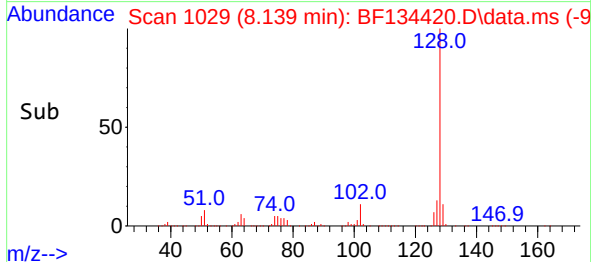
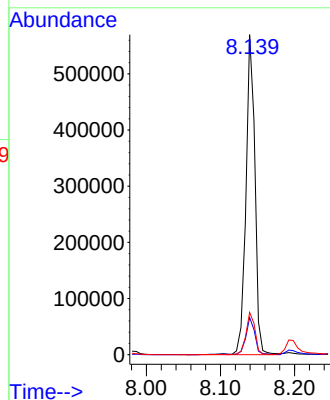
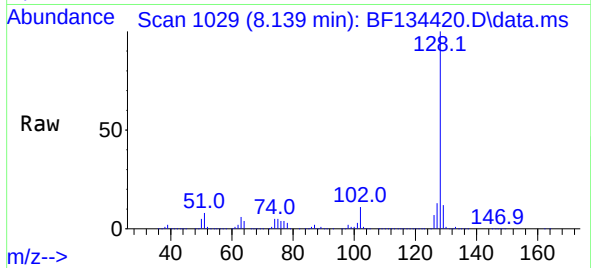




#31  
Naphthalene  
Concen: 42.215 ng  
RT: 8.139 min Scan# 1032  
Delta R.T. -0.006 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

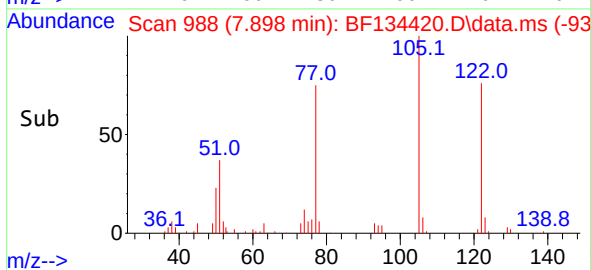
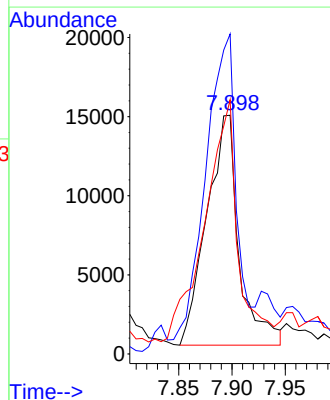
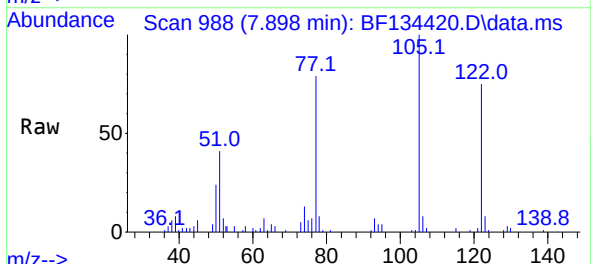
Instrument :  
BNA\_F  
ClientSampleId :  
SLUDGE-DRUMMSD

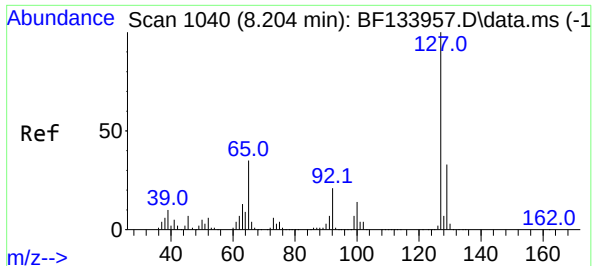
Tgt Ion:128 Resp: 480020  
Ion Ratio Lower Upper  
128 100  
129 11.6 8.7 13.1  
127 13.2 10.6 15.8



#32  
Benzoic acid  
Concen: 12.187 ng  
RT: 7.898 min Scan# 988  
Delta R.T. -0.006 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

Tgt Ion:122 Resp: 30601  
Ion Ratio Lower Upper  
122 100  
105 134.0 109.7 149.7  
77 106.5 76.0 116.0

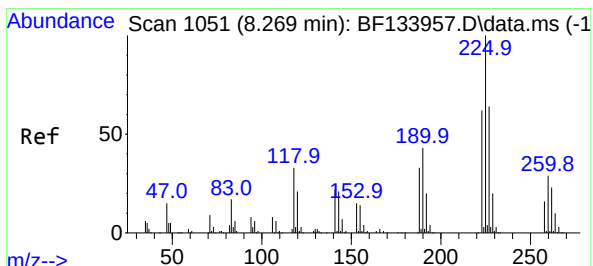
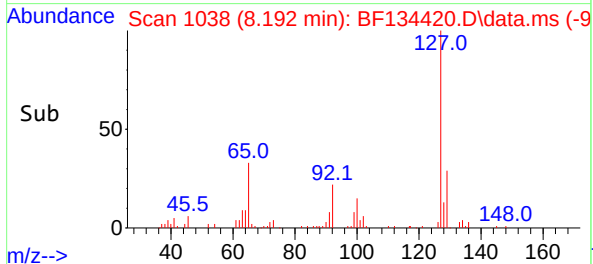
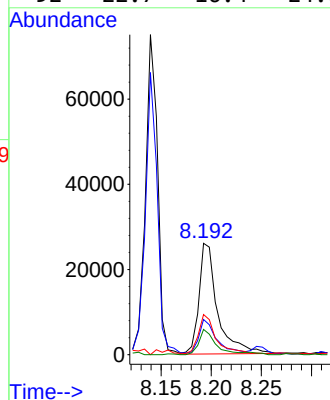
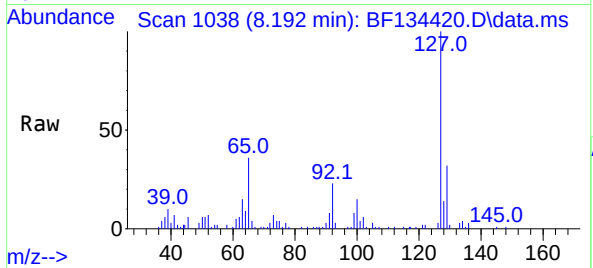




#33  
4-Chloroaniline  
Concen: 6.919 ng  
RT: 8.192 min Scan# 1038  
Delta R.T. -0.006 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

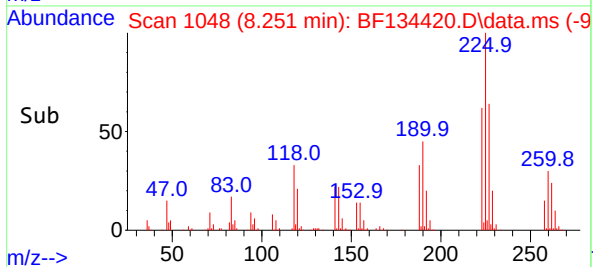
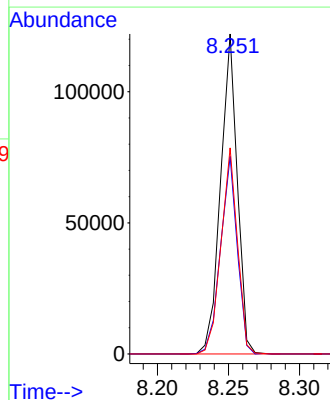
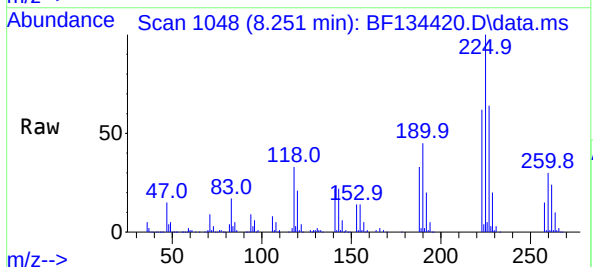
Instrument :  
BNA\_F  
ClientSampleId :  
SLUDGE-DRUMMSD

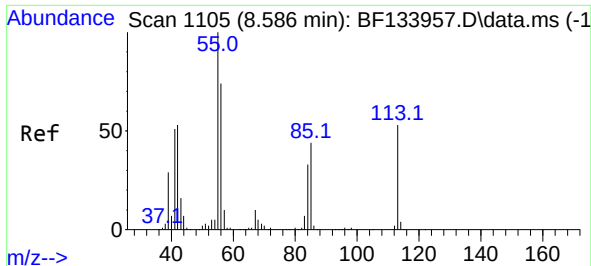
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 127   | Resp: | 33656 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 31.6  | 26.4  | 39.6  |
| 65       | 36.0  | 27.8  | 41.8  |
| 92       | 22.7  | 16.4  | 24.6  |



#34  
Hexachlorobutadiene  
Concen: 46.043 ng  
RT: 8.251 min Scan# 1048  
Delta R.T. -0.006 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 99585 |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 61.8  | 49.8  | 74.8  |
| 227      | 64.4  | 51.0  | 76.4  |

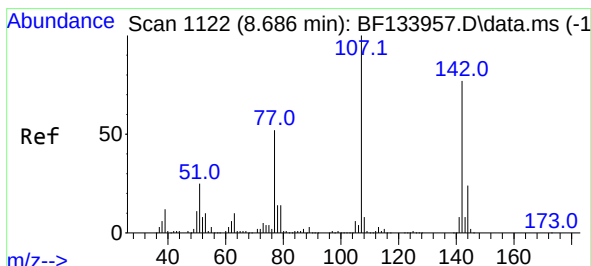
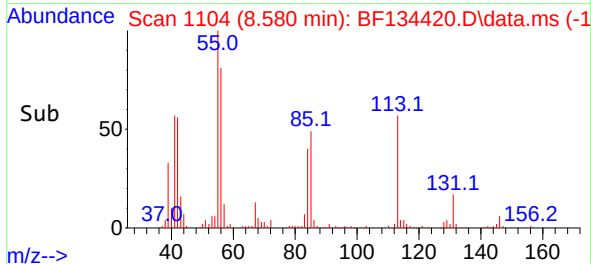
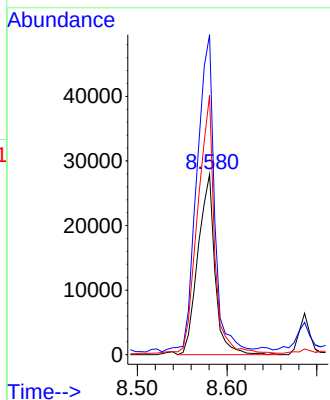
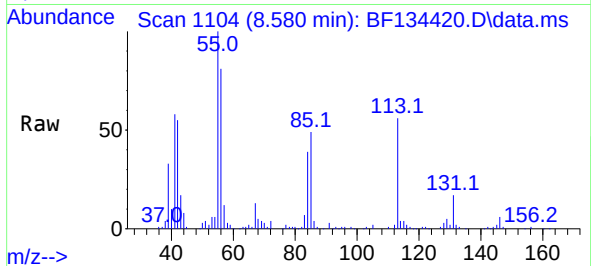




#35  
 Caprolactam  
 Concen: 33.641 ng  
 RT: 8.580 min Scan# 1105  
 Delta R.T. 0.006 min  
 Lab File: BF134420.D  
 Acq: 22 Jul 2023 13:56

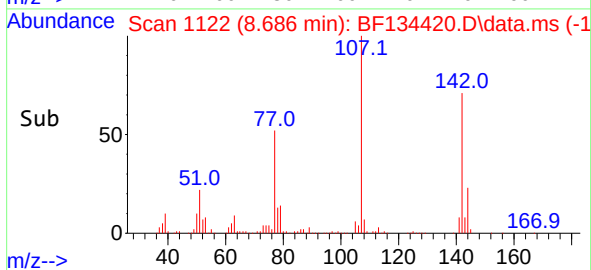
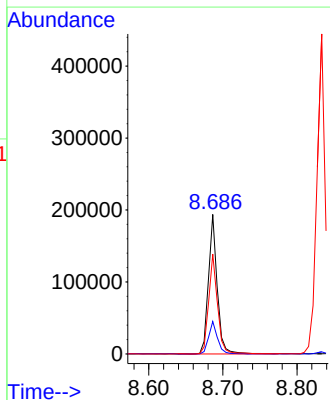
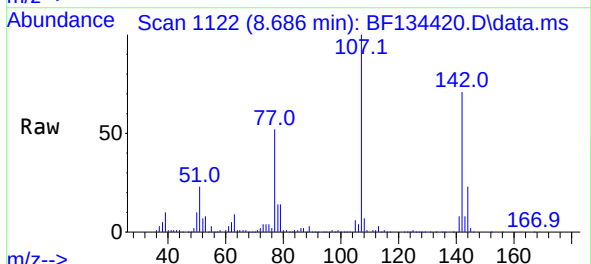
Instrument :  
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 ClientSampleId :  
 SLUDGE-DRUMMSD

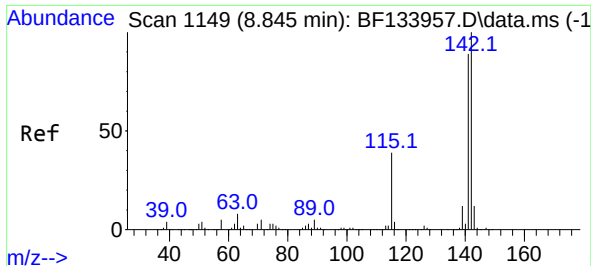
Tgt Ion:113 Resp: 36807  
 Ion Ratio Lower Upper  
 113 100  
 55 177.5 170.2 210.2  
 56 143.9 121.4 161.4



#36  
 4-Chloro-3-methylphenol  
 Concen: 43.063 ng  
 RT: 8.686 min Scan# 1122  
 Delta R.T. 0.006 min  
 Lab File: BF134420.D  
 Acq: 22 Jul 2023 13:56

Tgt Ion:107 Resp: 160754  
 Ion Ratio Lower Upper  
 107 100  
 144 23.3 19.6 29.4  
 142 71.5 61.4 92.2





#37

2-Methylnaphthalene

Concen: 42.996 ng

RT: 8.833 min Scan# 1149

Delta R.T. -0.006 min

Lab File: BF134420.D

Acq: 22 Jul 2023 13:56

Instrument :

BNA\_F

ClientSampleId :

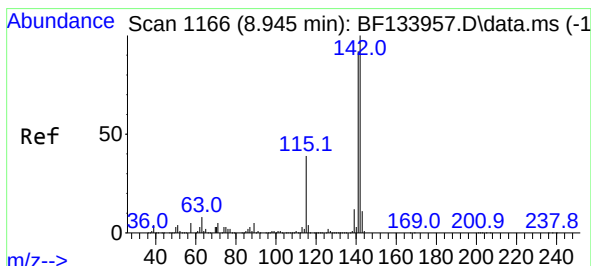
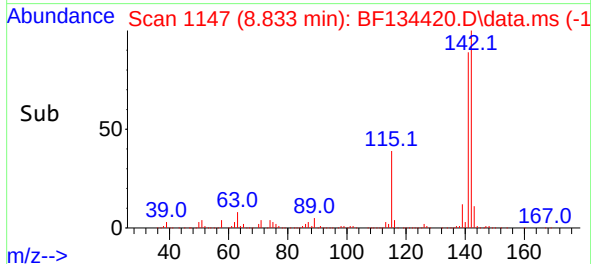
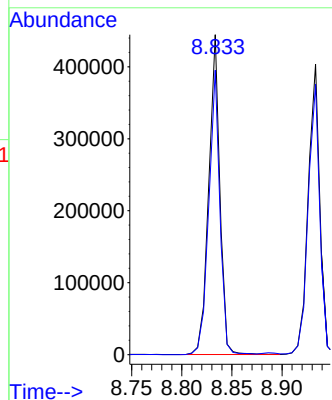
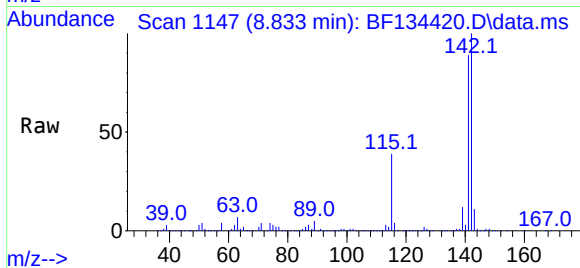
SLUDGE-DRUMMSD

Tgt Ion:142 Resp: 345735

Ion Ratio Lower Upper

142 100

141 88.9 71.0 106.4



#38

1-Methylnaphthalene

Concen: 43.462 ng

RT: 8.933 min Scan# 1164

Delta R.T. -0.006 min

Lab File: BF134420.D

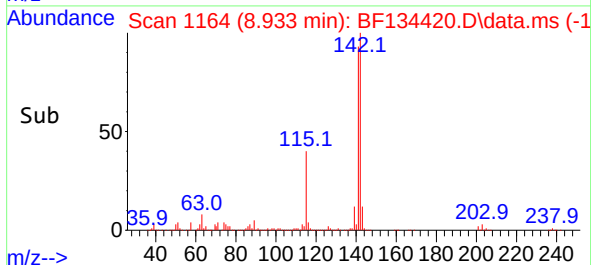
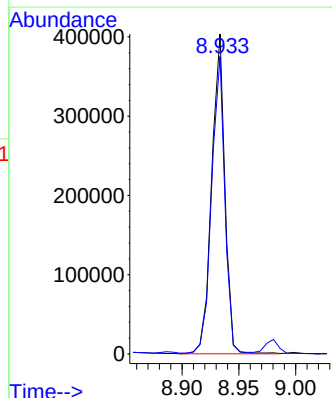
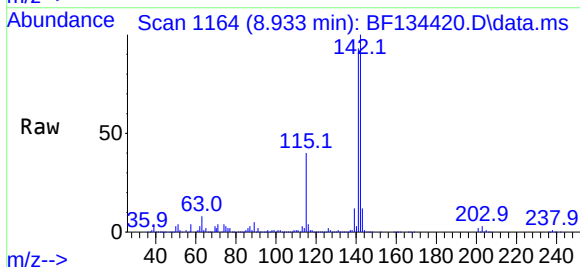
Acq: 22 Jul 2023 13:56

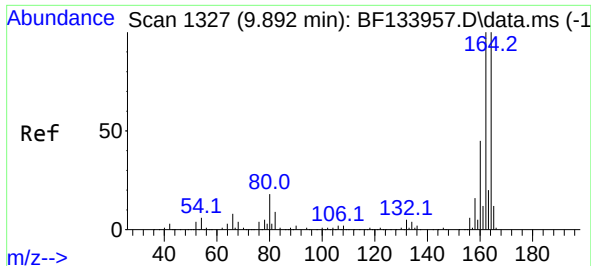
Tgt Ion:142 Resp: 324894

Ion Ratio Lower Upper

142 100

141 93.0 73.5 110.3

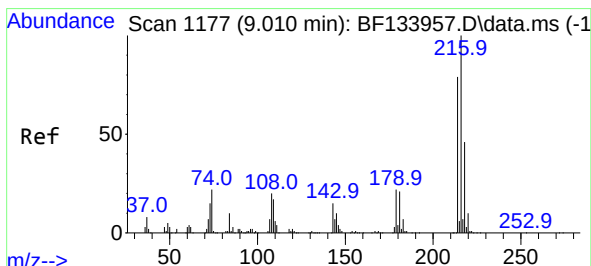
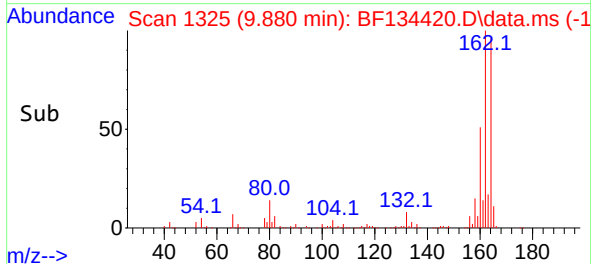
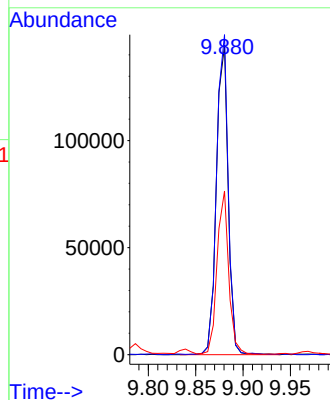
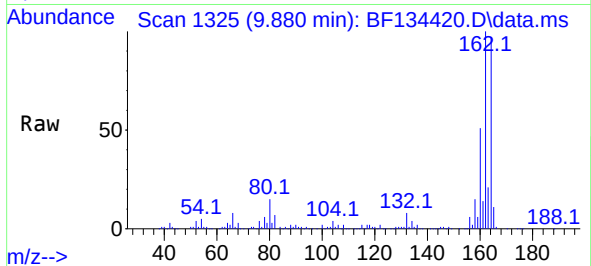




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.880 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

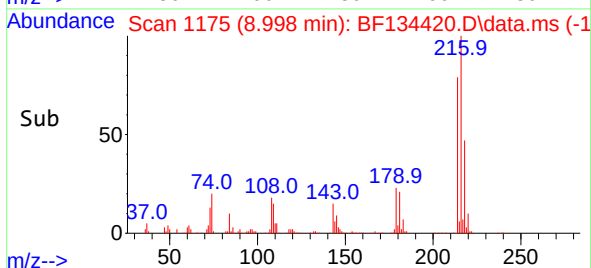
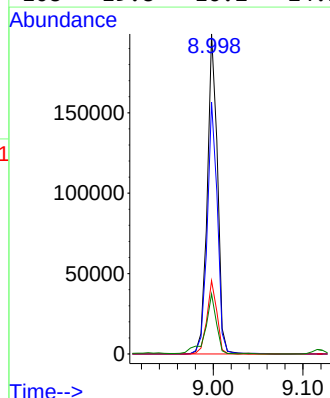
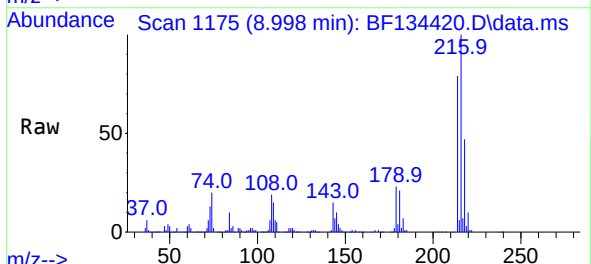
Instrument :  
BNA\_F  
ClientSampleId :  
SLUDGE-DRUMMSD

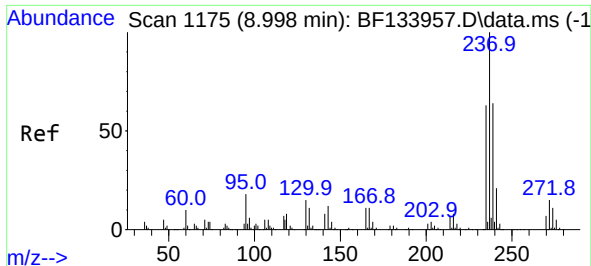
Tgt Ion:164 Resp: 124935  
Ion Ratio Lower Upper  
164 100  
162 103.5 80.0 120.0  
160 52.9 35.9 53.9



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 42.345 ng  
RT: 8.998 min Scan# 1175  
Delta R.T. -0.006 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

Tgt Ion:216 Resp: 156737  
Ion Ratio Lower Upper  
216 100  
214 78.6 64.1 96.1  
179 22.4 17.3 25.9  
108 19.8 16.2 24.2

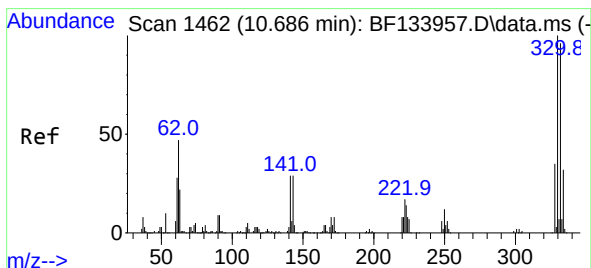
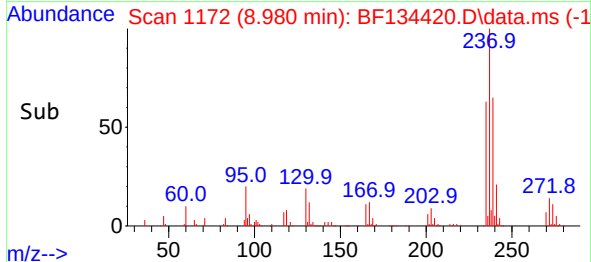
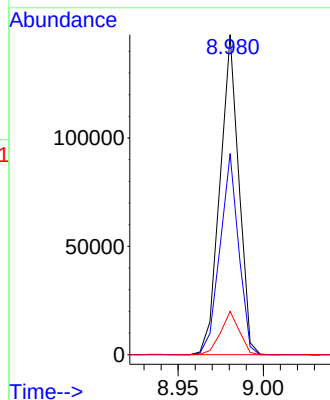
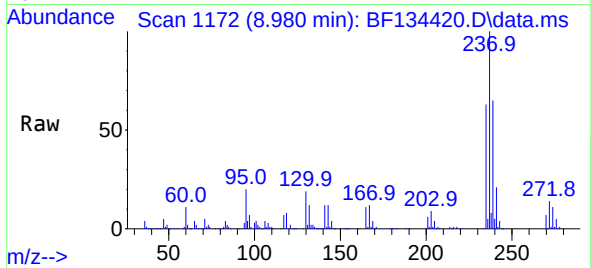




#41  
Hexachlorocyclopentadiene  
Concen: 64.757 ng  
RT: 8.980 min Scan# 1175  
Delta R.T. -0.006 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

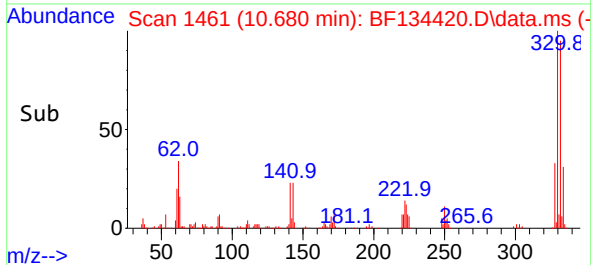
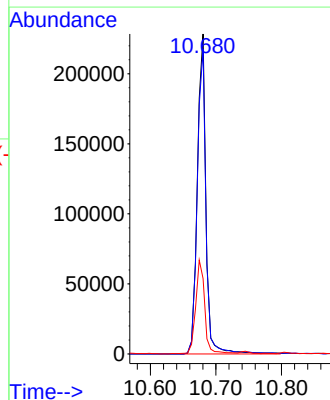
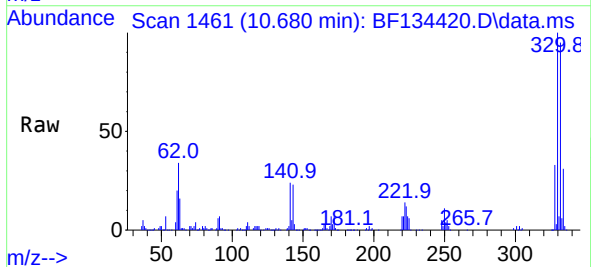
Instrument :  
BNA\_F  
ClientSampleId :  
SLUDGE-DRUMMSD

Tgt Ion:237 Resp: 113714  
Ion Ratio Lower Upper  
237 100  
235 62.8 42.8 82.8  
272 13.5 0.0 34.6

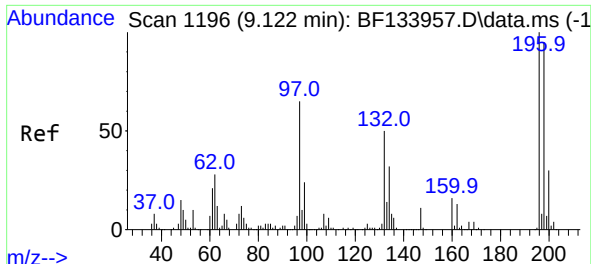


#42  
2,4,6-Tribromophenol  
Concen: 133.325 ng  
RT: 10.680 min Scan# 1461  
Delta R.T. -0.000 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

Tgt Ion:330 Resp: 208845  
Ion Ratio Lower Upper  
330 100  
332 97.1 77.0 115.6  
141 31.0 26.3 39.5



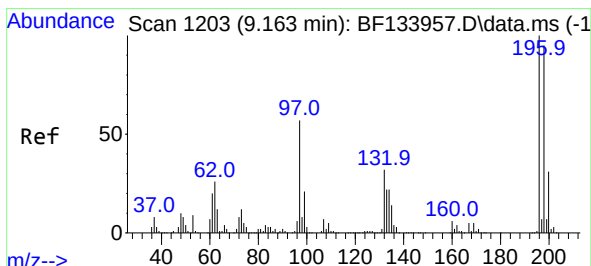
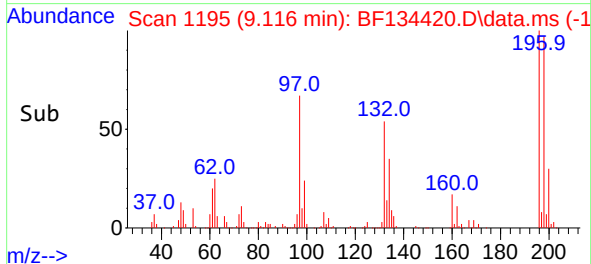
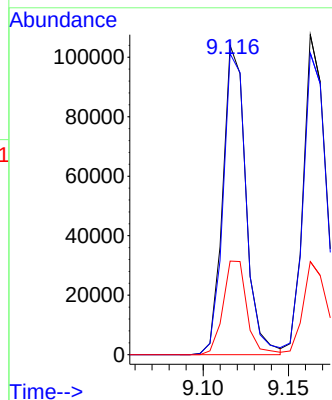
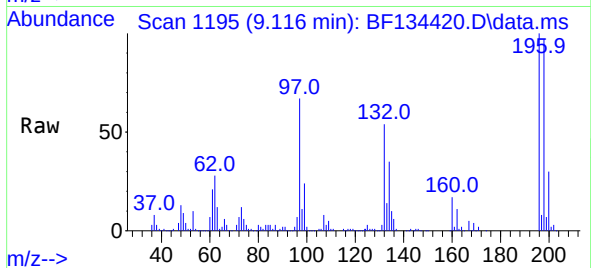




#43  
2,4,6-Trichlorophenol  
Concen: 38.915 ng  
RT: 9.116 min Scan# 1196  
Delta R.T. -0.006 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

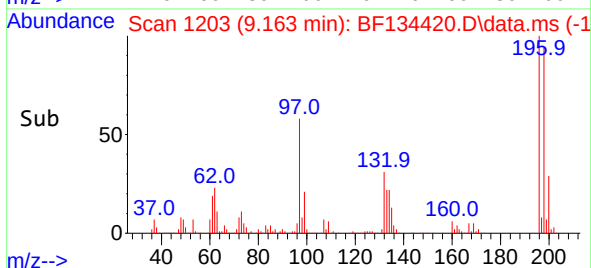
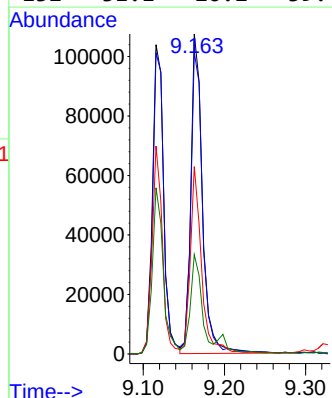
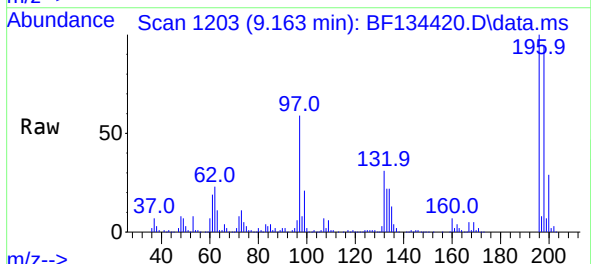
Instrument :  
BNA\_F  
ClientSampleId :  
SLUDGE-DRUMMSD

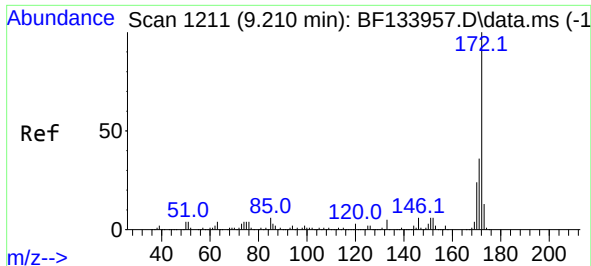
Tgt Ion:196 Resp: 98053  
Ion Ratio Lower Upper  
196 100  
198 97.3 75.6 113.4  
200 30.3 24.4 36.6



#44  
2,4,5-Trichlorophenol  
Concen: 36.140 ng  
RT: 9.163 min Scan# 1203  
Delta R.T. -0.000 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

Tgt Ion:196 Resp: 107114  
Ion Ratio Lower Upper  
196 100  
198 94.3 75.7 113.5  
97 58.5 45.8 68.6  
132 31.1 26.2 39.4

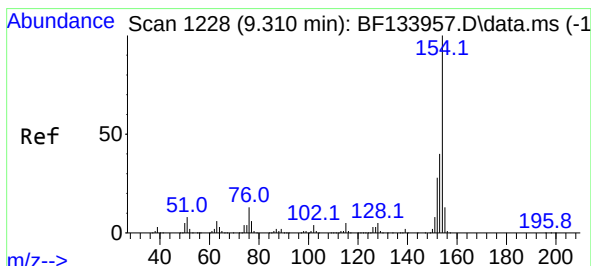
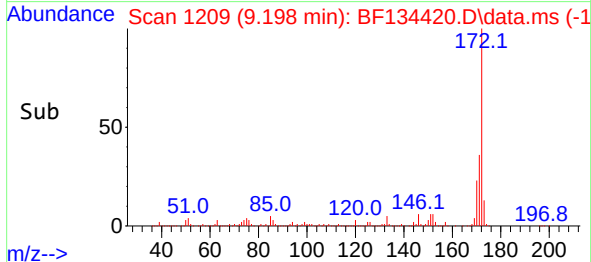
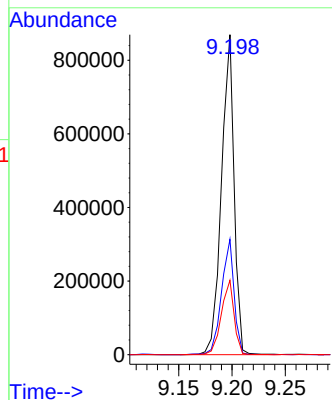
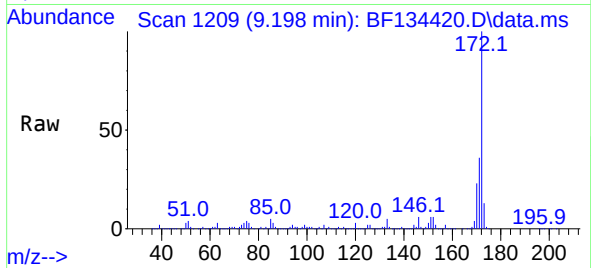




#45  
2-Fluorobiphenyl  
Concen: 83.433 ng  
RT: 9.198 min Scan# 1209  
Delta R.T. -0.006 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

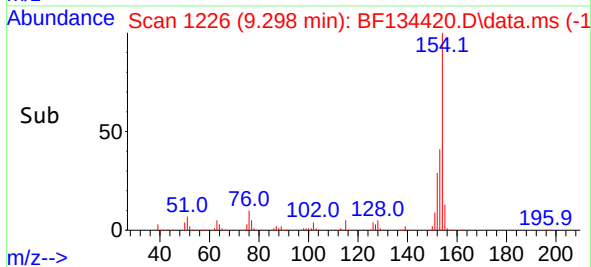
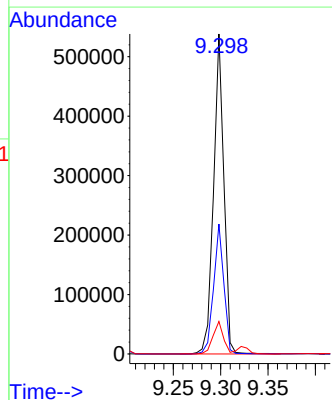
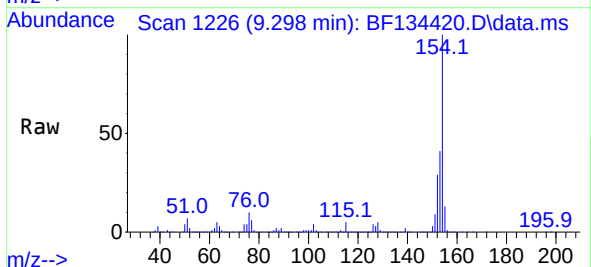
Instrument :  
BNA\_F  
ClientSampleId :  
SLUDGE-DRUMMSD

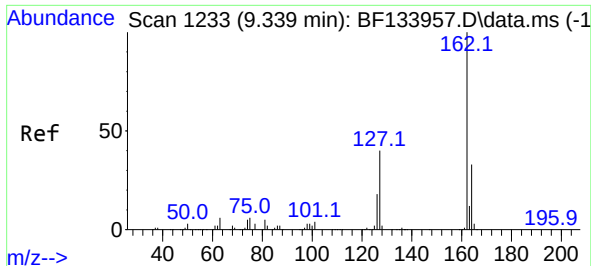
Tgt Ion:172 Resp: 716950  
Ion Ratio Lower Upper  
172 100  
171 36.1 28.6 43.0  
170 23.3 19.4 29.0



#46  
1,1'-Biphenyl  
Concen: 40.618 ng  
RT: 9.298 min Scan# 1226  
Delta R.T. -0.006 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

Tgt Ion:154 Resp: 407068  
Ion Ratio Lower Upper  
154 100  
153 40.6 19.8 59.8  
76 10.2 0.0 32.9





#47

2-Chloronaphthalene

Concen: 41.512 ng

RT: 9.327 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF134420.D

Acq: 22 Jul 2023 13:56

Instrument :

BNA\_F

ClientSampleId :

SLUDGE-DRUMMSD

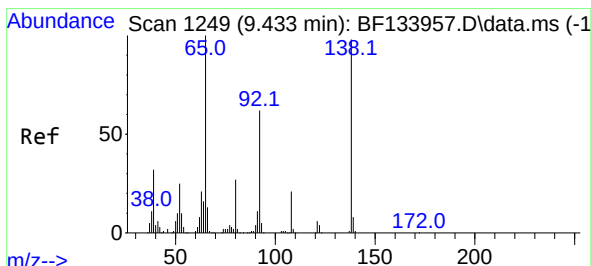
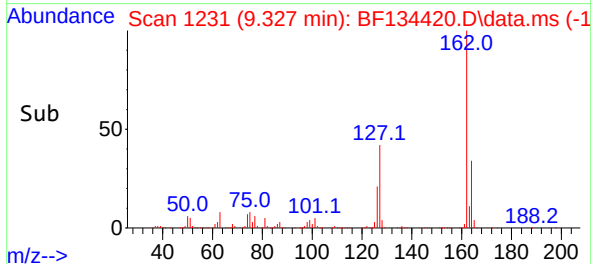
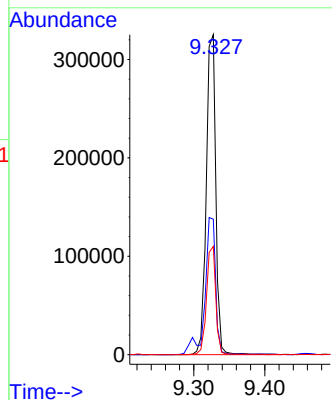
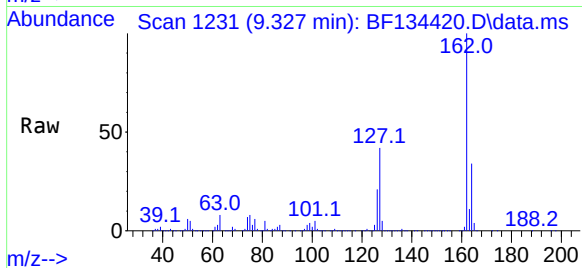
Tgt Ion:162 Resp: 304390

Ion Ratio Lower Upper

162 100

127 42.4 32.9 49.3

164 33.9 26.1 39.1



#48

2-Nitroaniline

Concen: 38.903 ng

RT: 9.427 min Scan# 1248

Delta R.T. -0.000 min

Lab File: BF134420.D

Acq: 22 Jul 2023 13:56

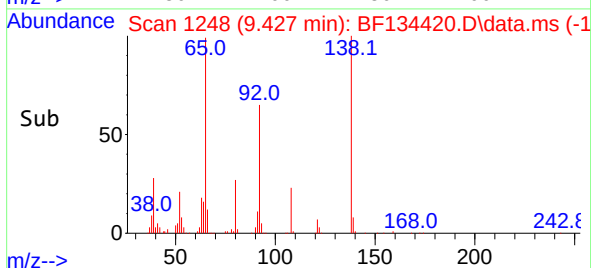
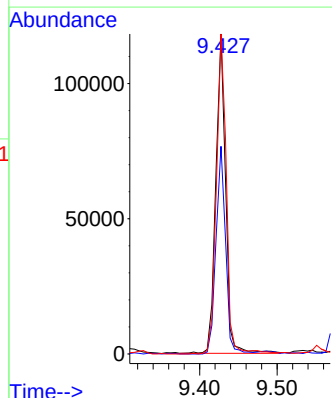
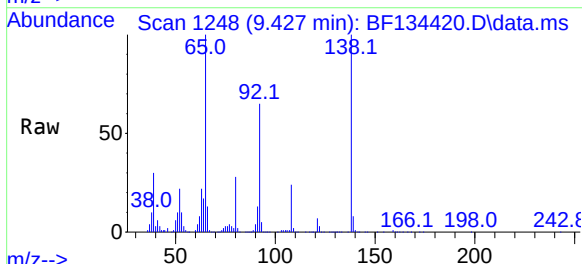
Tgt Ion: 65 Resp: 103963

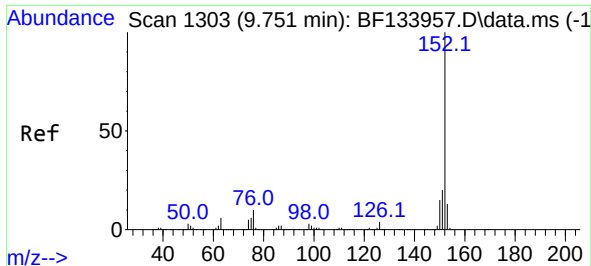
Ion Ratio Lower Upper

65 100

92 64.9 49.5 74.3

138 100.0 78.0 117.0

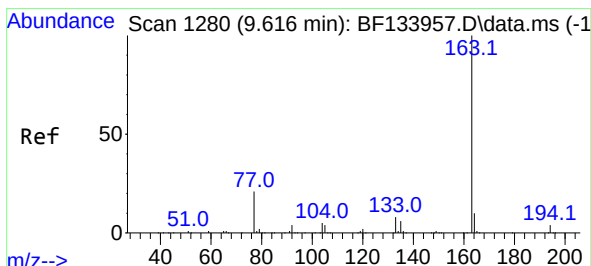
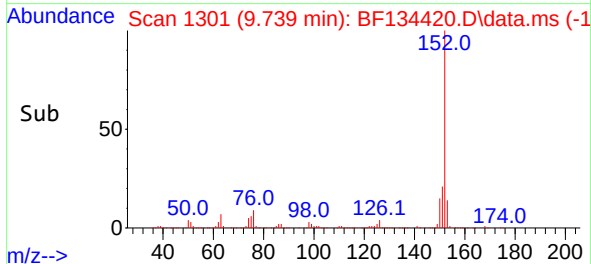
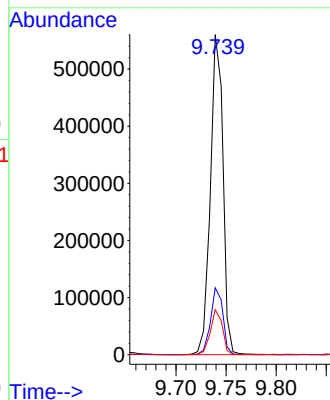
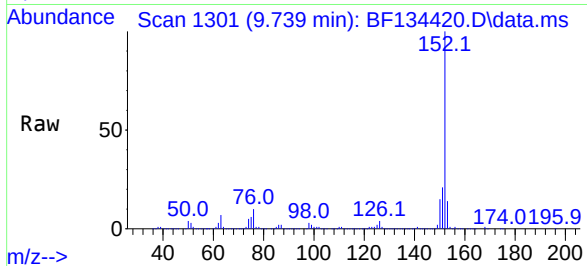




#49  
Acenaphthylene  
Concen: 39.273 ng  
RT: 9.739 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

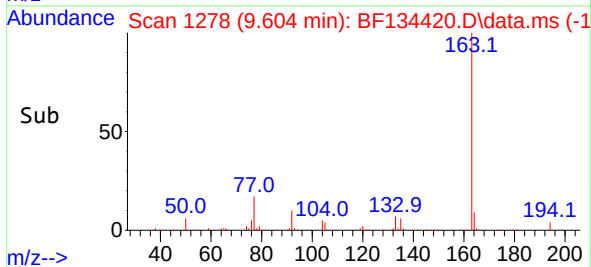
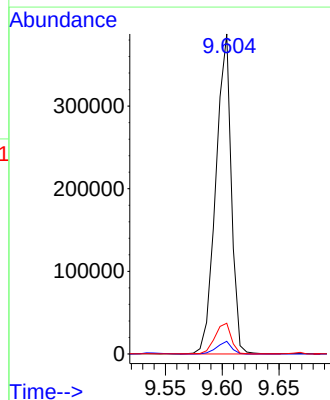
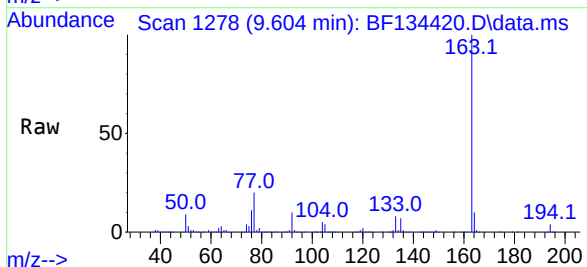
Instrument :  
BNA\_F  
ClientSampleId :  
SLUDGE-DRUMMSD

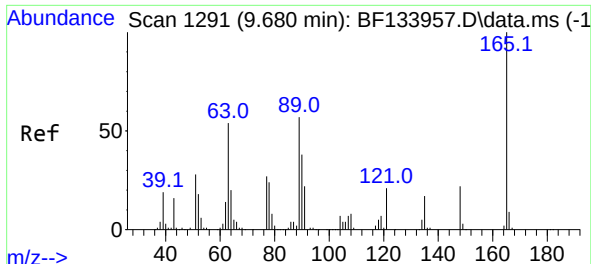
Tgt Ion:152 Resp: 491927  
Ion Ratio Lower Upper  
152 100  
151 20.9 16.2 24.2  
153 14.0 10.8 16.2



#50  
Dimethylphthalate  
Concen: 40.442 ng  
RT: 9.604 min Scan# 1278  
Delta R.T. -0.000 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

Tgt Ion:163 Resp: 366767  
Ion Ratio Lower Upper  
163 100  
194 3.9 3.0 4.6  
164 9.6 8.2 12.2

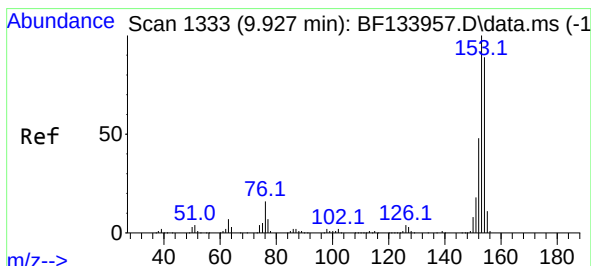
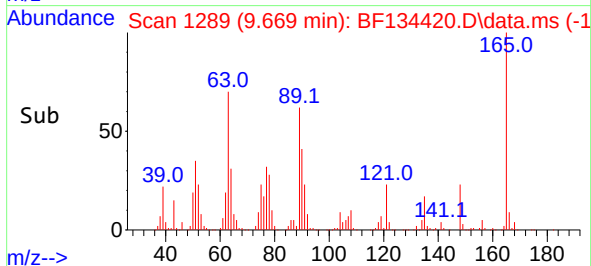
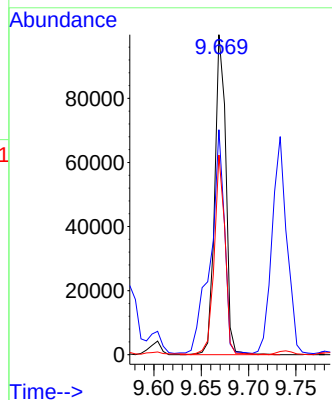
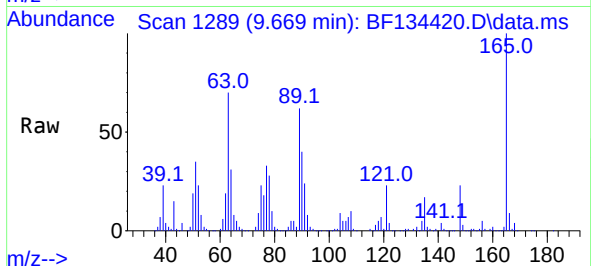




#51  
2,6-Dinitrotoluene  
Concen: 41.294 ng  
RT: 9.669 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

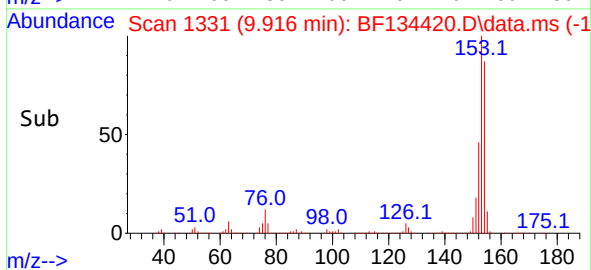
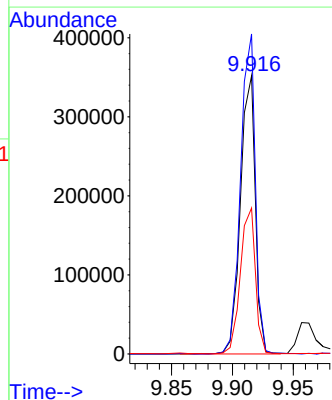
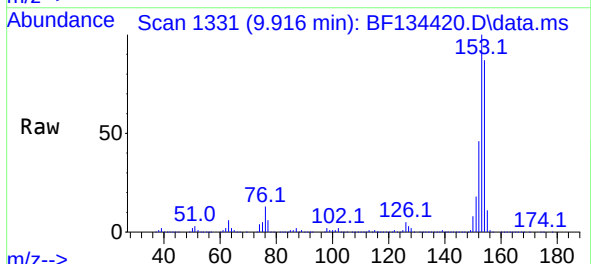
Instrument :  
BNA\_F  
ClientSampleId :  
SLUDGE-DRUMMSD

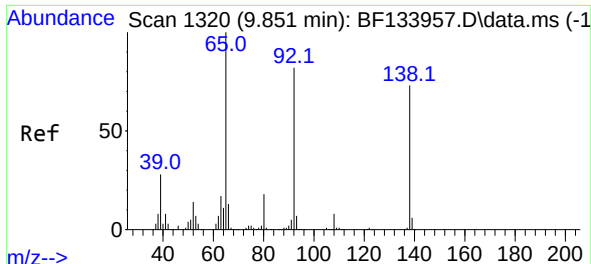
Tgt Ion:165 Resp: 80661  
Ion Ratio Lower Upper  
165 100  
63 70.3 48.5 72.7  
89 62.4 45.5 68.3



#52  
Acenaphthene  
Concen: 41.307 ng  
RT: 9.916 min Scan# 1331  
Delta R.T. -0.000 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

Tgt Ion:154 Resp: 300232  
Ion Ratio Lower Upper  
154 100  
153 115.1 89.4 134.2  
152 52.5 42.8 64.2

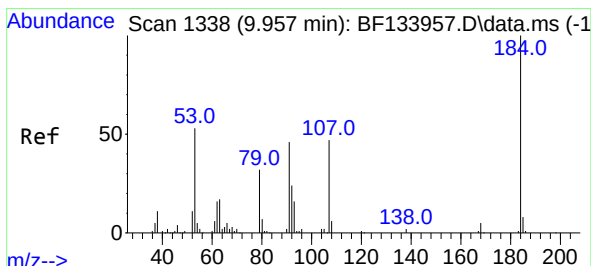
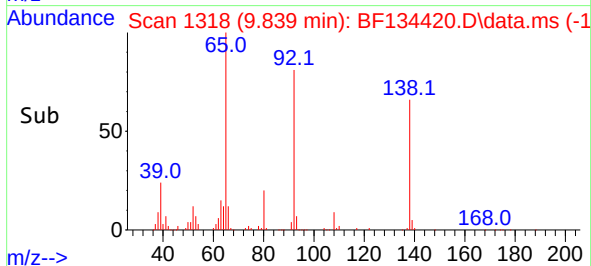
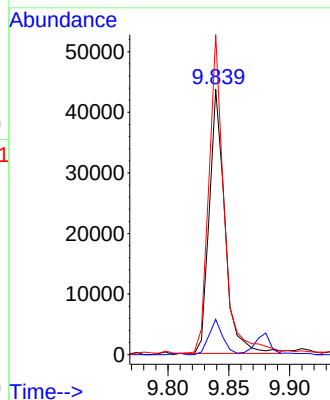
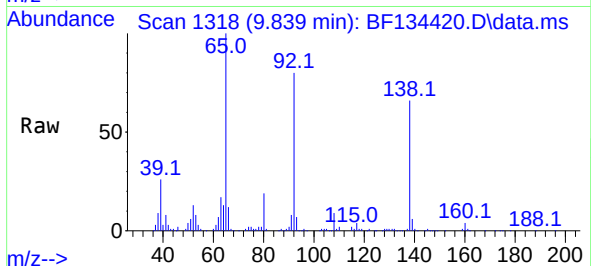




#53  
3-Nitroaniline  
Concen: 16.627 ng  
RT: 9.839 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

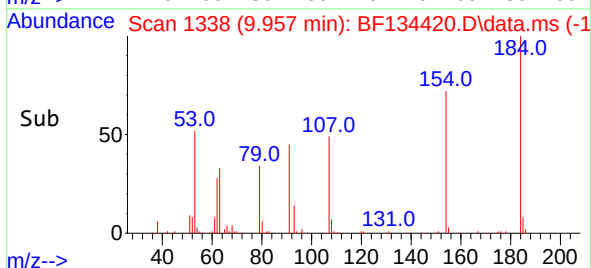
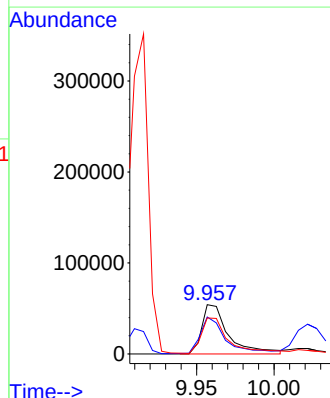
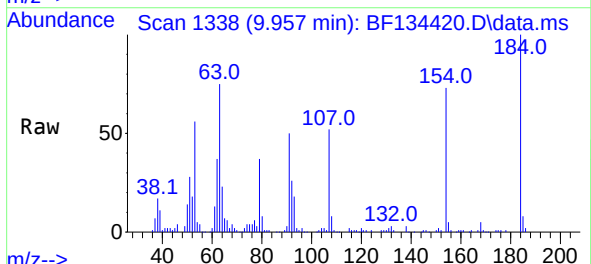
Instrument :  
BNA\_F  
ClientSampleId :  
SLUDGE-DRUMMSD

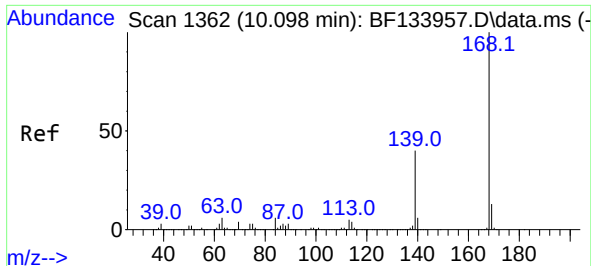
Tgt Ion:138 Resp: 38963  
Ion Ratio Lower Upper  
138 100  
108 13.3 8.4 12.6#  
92 120.6 90.1 135.1



#54  
2,4-Dinitrophenol  
Concen: 58.808 ng  
RT: 9.957 min Scan# 1338  
Delta R.T. -0.000 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

Tgt Ion:184 Resp: 65126  
Ion Ratio Lower Upper  
184 100  
63 75.0 56.9 85.3  
154 73.2 55.4 83.0

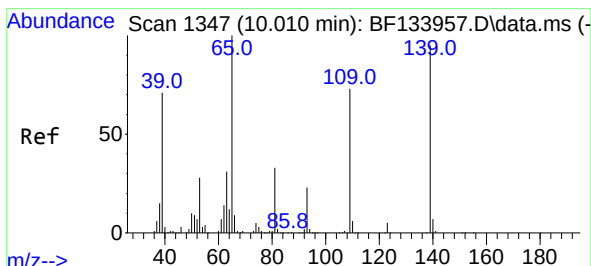
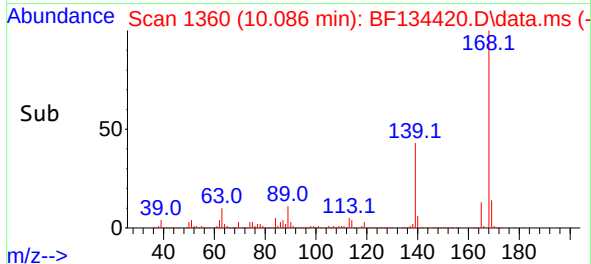
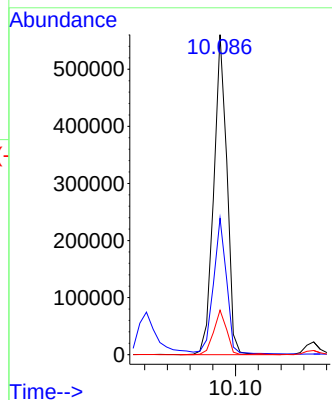
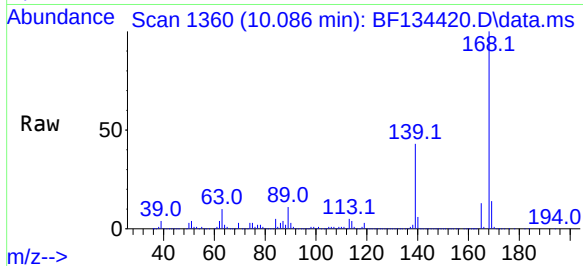




#55  
Dibenzenofuran  
Concen: 39.695 ng  
RT: 10.086 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

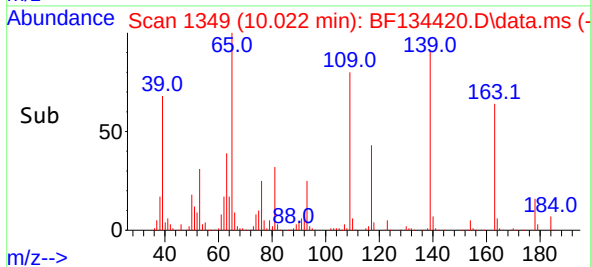
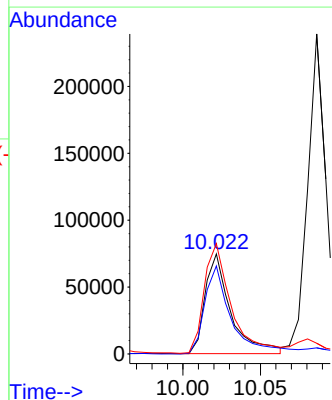
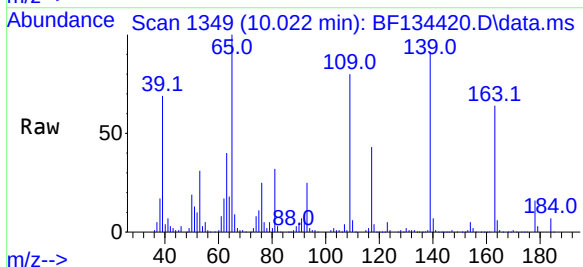
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BNA\_F  
ClientSampleId :  
SLUDGE-DRUMMSD

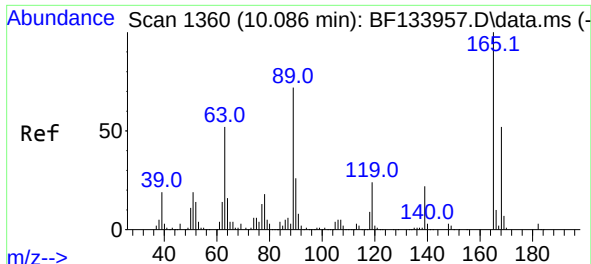
Tgt Ion:168 Resp: 450899  
Ion Ratio Lower Upper  
168 100  
139 42.7 32.0 48.0  
169 13.9 10.6 16.0



#56  
4-Nitrophenol  
Concen: 52.733 ng  
RT: 10.022 min Scan# 1349  
Delta R.T. 0.012 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

Tgt Ion:139 Resp: 86437  
Ion Ratio Lower Upper  
139 100  
109 88.0 56.8 96.8  
65 110.4 86.1 126.1

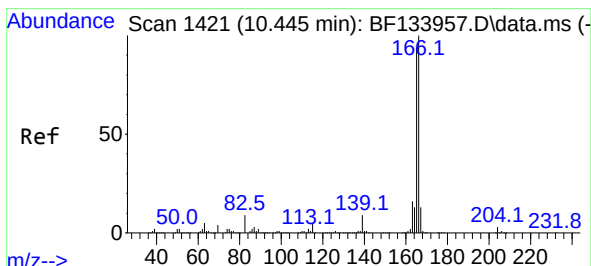
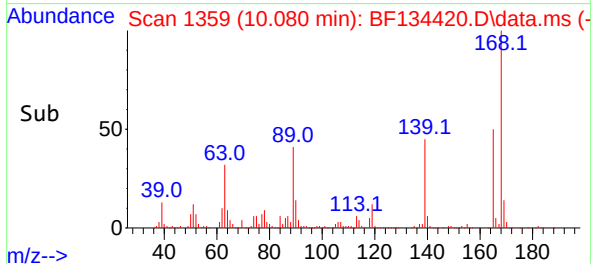
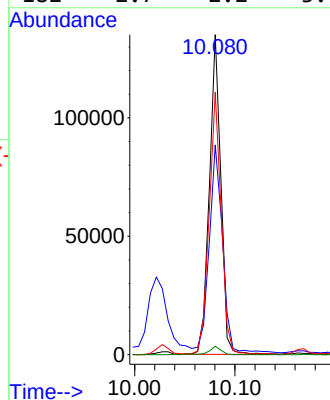
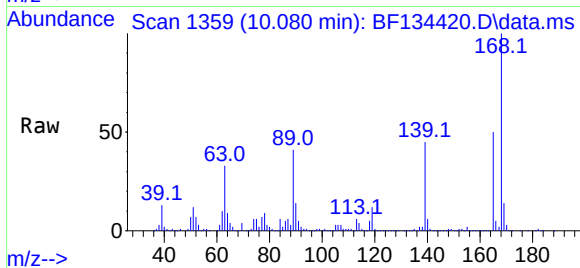




#57  
2,4-Dinitrotoluene  
Concen: 41.996 ng  
RT: 10.080 min Scan# 1419  
Delta R.T. -0.000 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

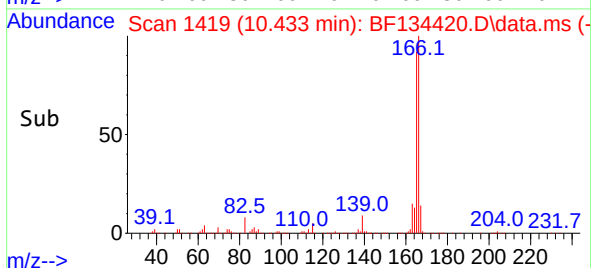
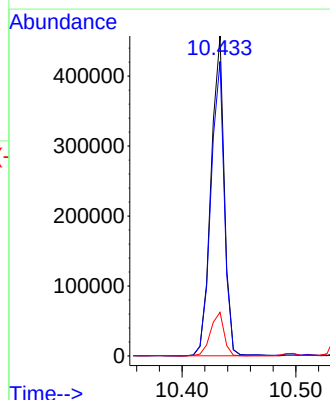
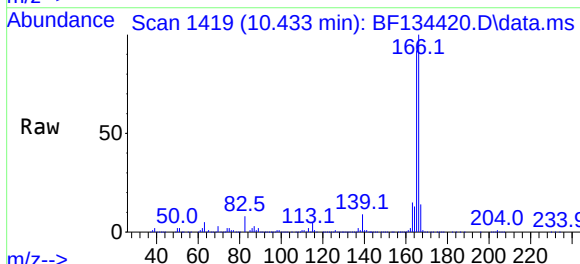
Instrument :  
BNA\_F  
ClientSampleId :  
SLUDGE-DRUMMSD

Tgt Ion:165 Resp: 108333  
Ion Ratio Lower Upper  
165 100  
63 65.5 42.2 63.2#  
89 82.0 57.4 86.2  
182 2.7 2.2 3.4

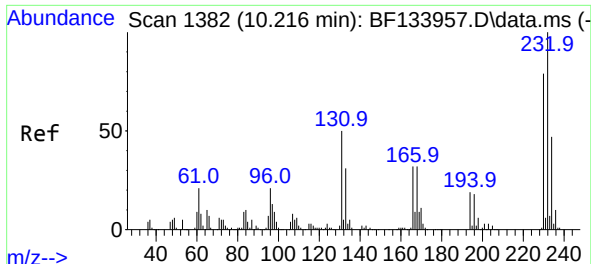


#58  
Fluorene  
Concen: 41.952 ng  
RT: 10.433 min Scan# 1419  
Delta R.T. -0.000 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

Tgt Ion:166 Resp: 370738  
Ion Ratio Lower Upper  
166 100  
165 92.0 75.0 112.4  
167 13.6 10.6 15.8



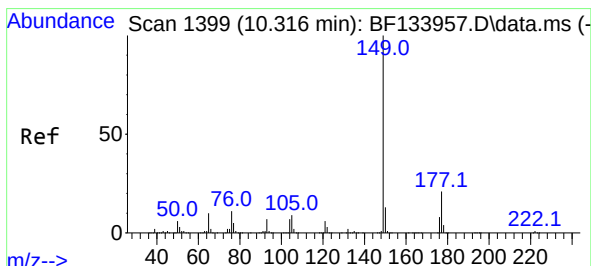
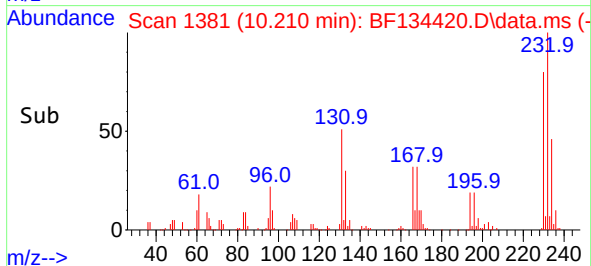
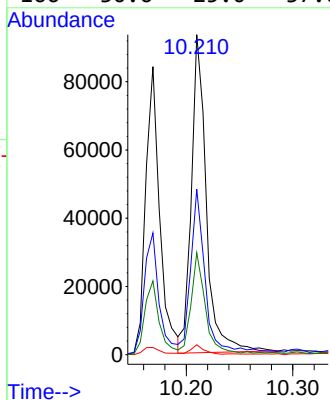
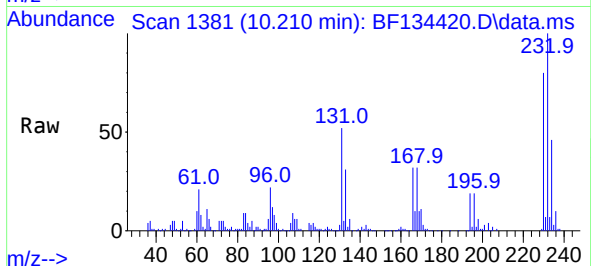




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 38.988 ng  
RT: 10.210 min Scan# 1382  
Delta R.T. -0.000 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

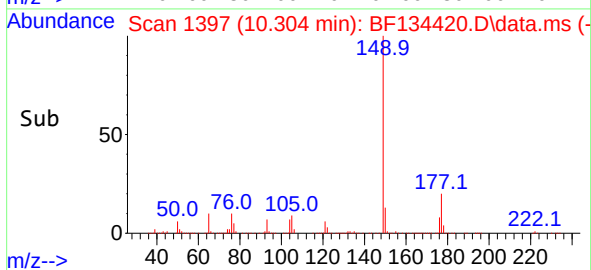
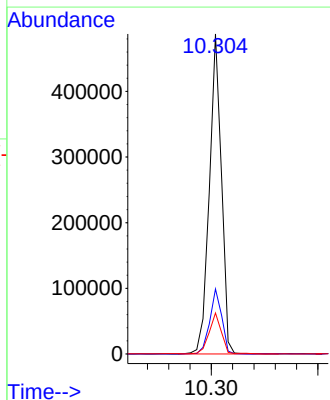
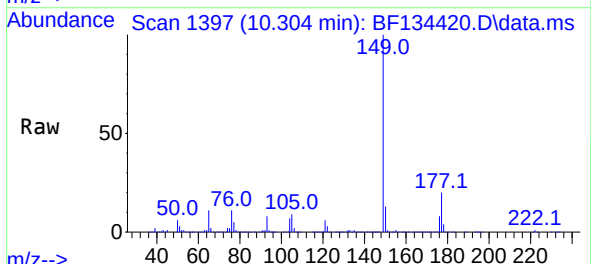
Instrument :  
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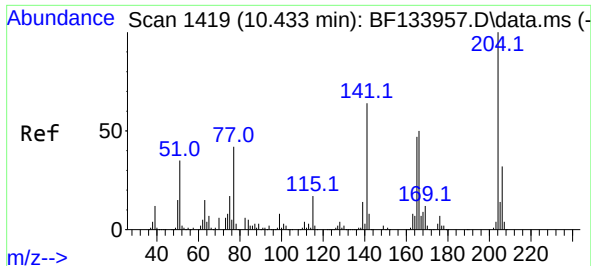
Tgt Ion:232 Resp: 91151  
Ion Ratio Lower Upper  
232 100  
131 49.3 39.3 58.9  
130 2.6 1.8 2.6  
166 30.6 25.0 37.6



#60  
Diethylphthalate  
Concen: 40.540 ng  
RT: 10.304 min Scan# 1397  
Delta R.T. -0.000 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

Tgt Ion:149 Resp: 383044  
Ion Ratio Lower Upper  
149 100  
177 20.3 17.0 25.6  
150 12.8 10.2 15.2

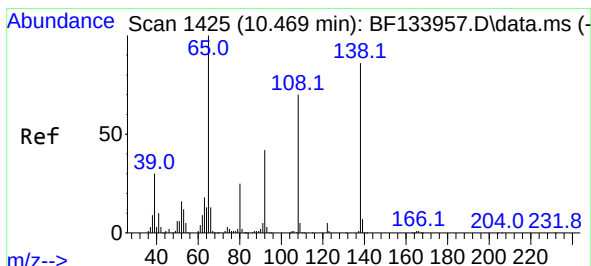
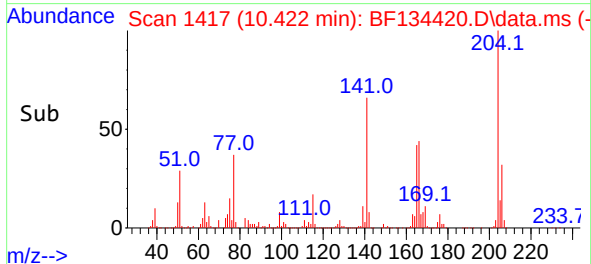
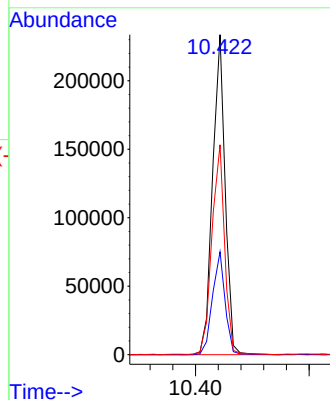
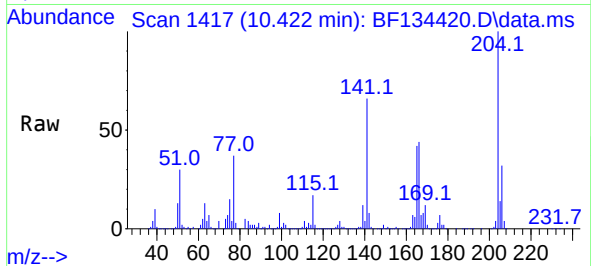




#61  
4-Chlorophenyl-phenylether  
Concen: 41.927 ng  
RT: 10.422 min Scan# 1417  
Delta R.T. -0.006 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

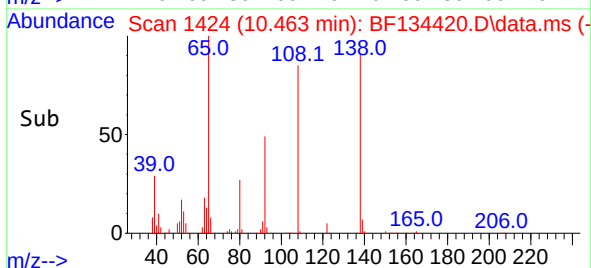
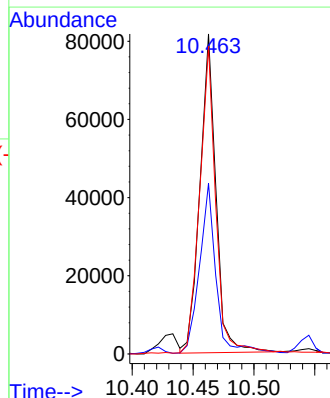
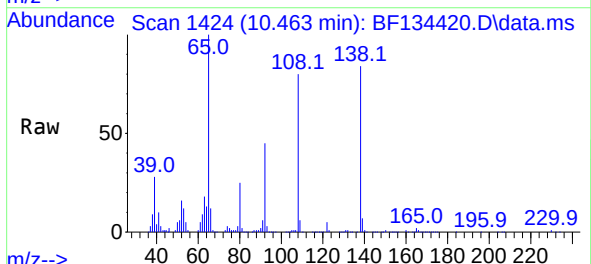
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ClientSampleId :  
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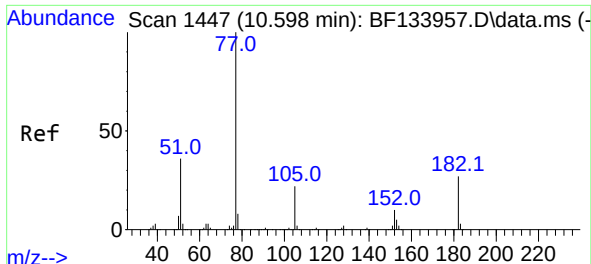
Tgt Ion:204 Resp: 178561  
Ion Ratio Lower Upper  
204 100  
206 32.2 25.8 38.6  
141 65.6 51.5 77.3



#62  
4-Nitroaniline  
Concen: 31.608 ng  
RT: 10.463 min Scan# 1424  
Delta R.T. -0.000 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

Tgt Ion:138 Resp: 74645  
Ion Ratio Lower Upper  
138 100  
92 53.3 29.7 69.7  
108 96.2 62.1 102.1

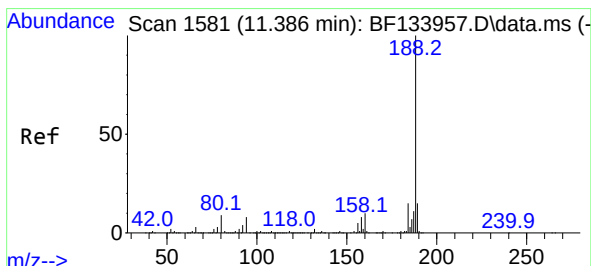
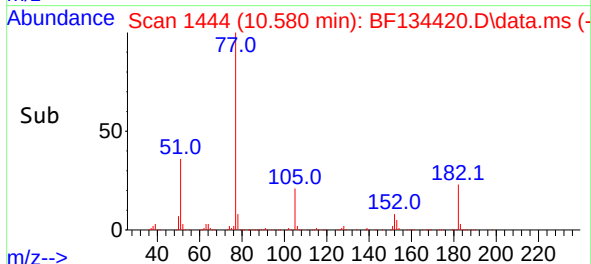
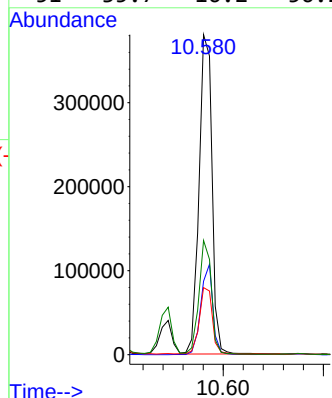
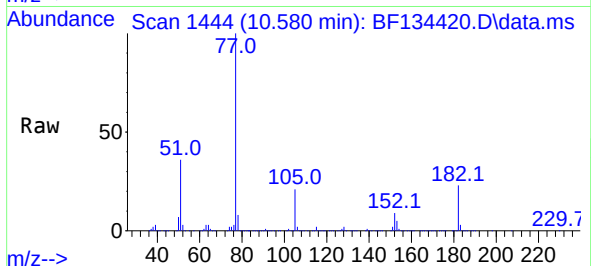




#63  
Azobenzene  
Concen: 38.276 ng  
RT: 10.580 min Scan# 1447  
Delta R.T. -0.006 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

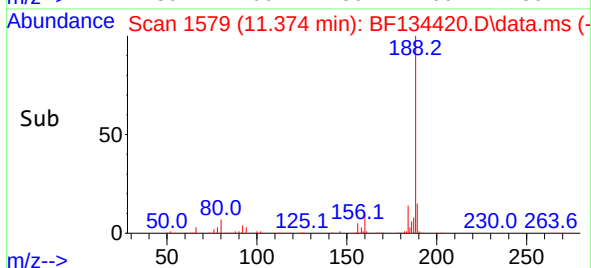
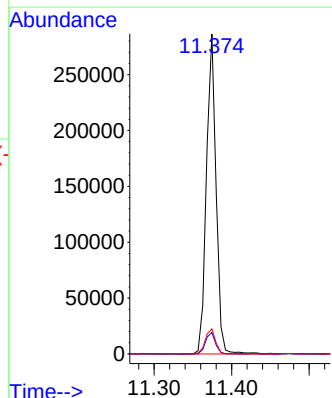
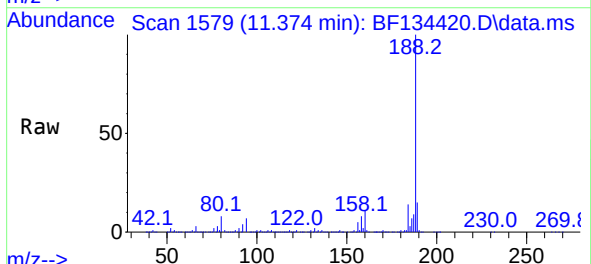
Instrument :  
BNA\_F  
ClientSampleId :  
SLUDGE-DRUMMSD

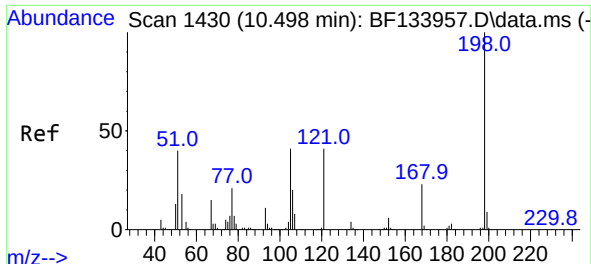
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 77    | Resp: | 342098 |
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 182       | 23.0  | 6.8   | 46.8   |
| 105       | 21.0  | 2.3   | 42.3   |
| 51        | 35.7  | 16.2  | 56.2   |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.374 min Scan# 1579  
Delta R.T. -0.000 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 188   | Resp: | 247473 |
| Ion Ratio | Lower | Upper |        |
| 188       | 100   |       |        |
| 94        | 6.7   | 6.4   | 9.6    |
| 80        | 7.8   | 7.3   | 10.9   |

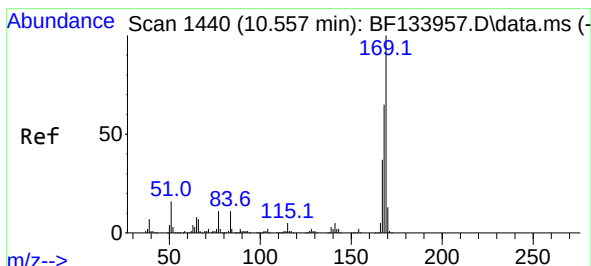
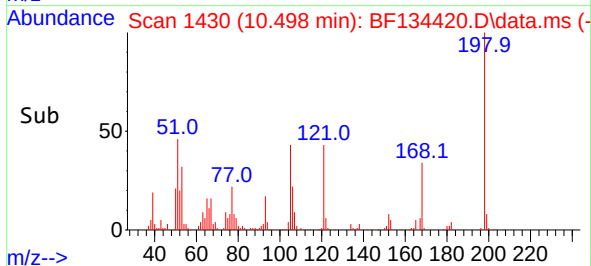
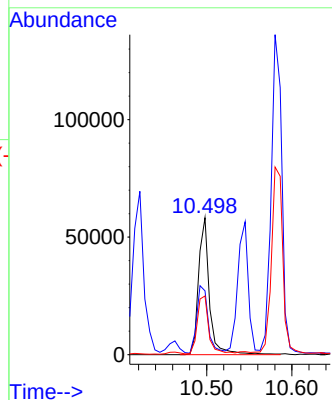
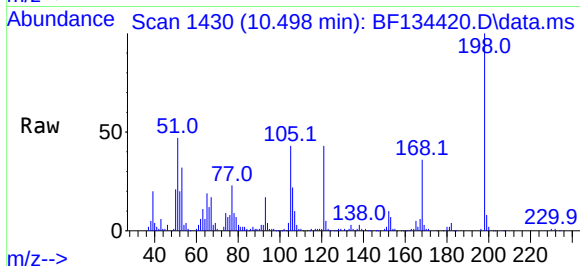




#65  
4,6-Dinitro-2-methylphenol  
Concen: 38.355 ng  
RT: 10.498 min Scan# 1430  
Delta R.T. 0.006 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

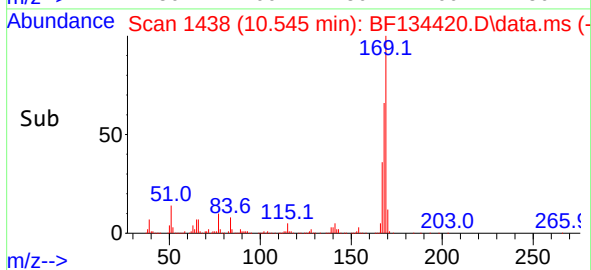
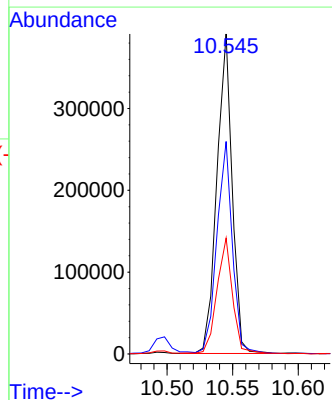
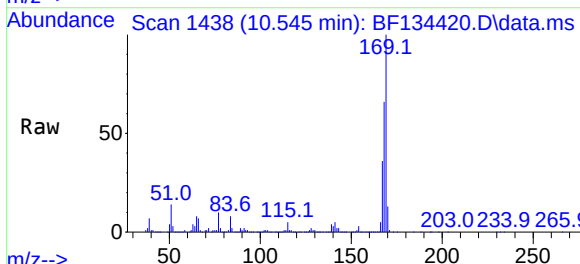
Instrument :  
BNA\_F  
ClientSampleId :  
SLUDGE-DRUMMSD

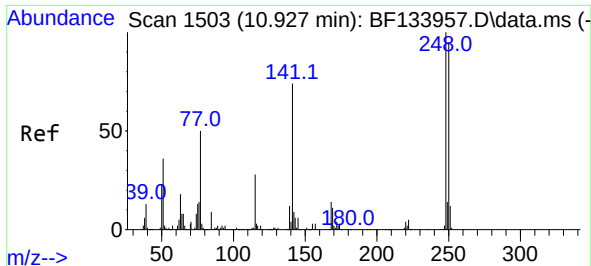
Tgt Ion:198 Resp: 51749  
Ion Ratio Lower Upper  
198 100  
51 46.6 29.3 69.3  
105 42.9 22.4 62.4



#66  
n-Nitrosodiphenylamine  
Concen: 39.998 ng  
RT: 10.545 min Scan# 1438  
Delta R.T. -0.000 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

Tgt Ion:169 Resp: 316255  
Ion Ratio Lower Upper  
169 100  
168 66.4 52.3 78.5  
167 36.2 29.4 44.0

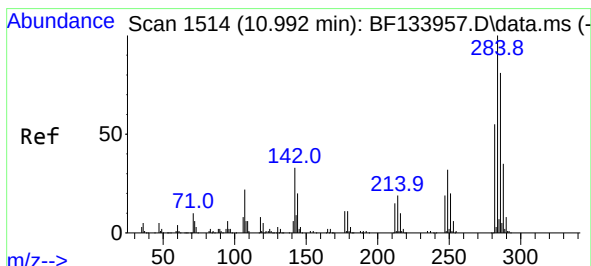
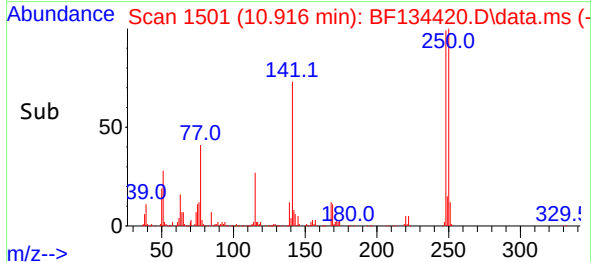
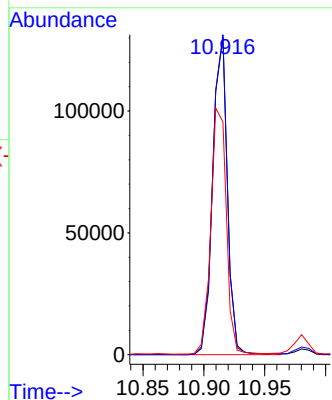
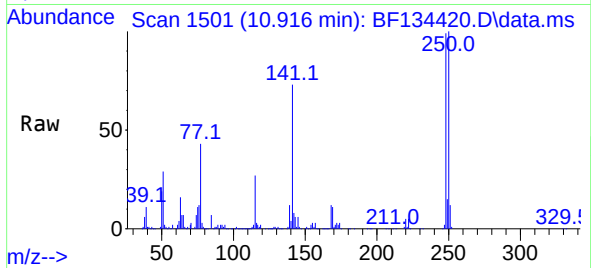




#67  
4-Bromophenyl-phenylether  
Concen: 41.427 ng  
RT: 10.916 min Scan# 1501  
Delta R.T. -0.000 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

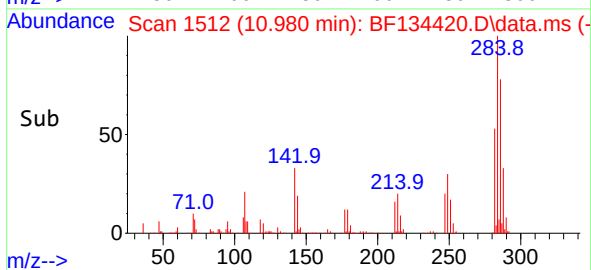
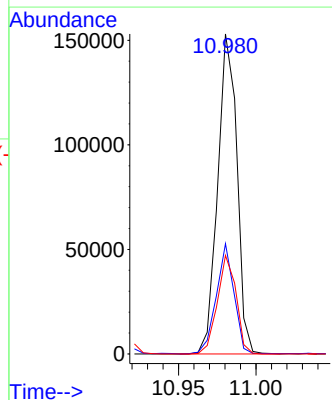
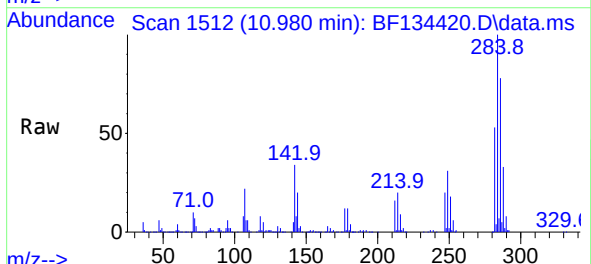
Instrument :  
BNA\_F  
ClientSampleId :  
SLUDGE-DRUMMSD

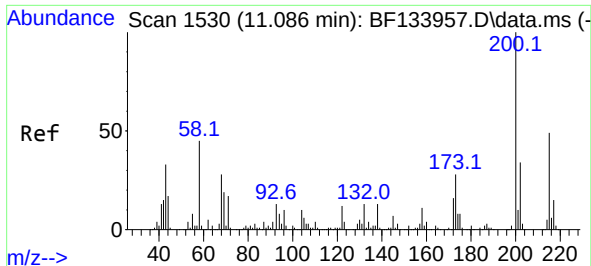
Tgt Ion:248 Resp: 108968  
Ion Ratio Lower Upper  
248 100  
250 100.8 76.2 114.4  
141 73.3 59.0 88.4



#68  
Hexachlorobenzene  
Concen: 47.254 ng  
RT: 10.980 min Scan# 1512  
Delta R.T. -0.006 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

Tgt Ion:284 Resp: 131970  
Ion Ratio Lower Upper  
284 100  
142 34.4 26.6 40.0  
249 30.8 25.5 38.3

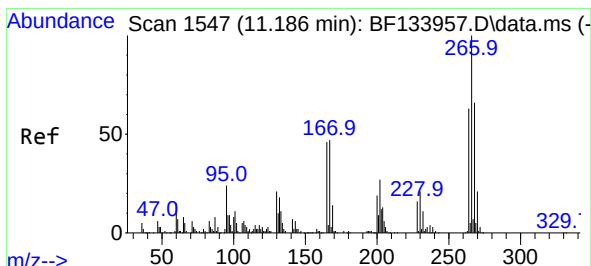
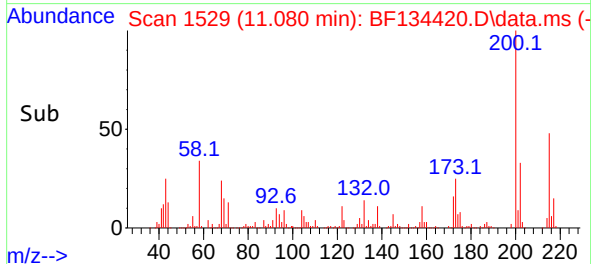
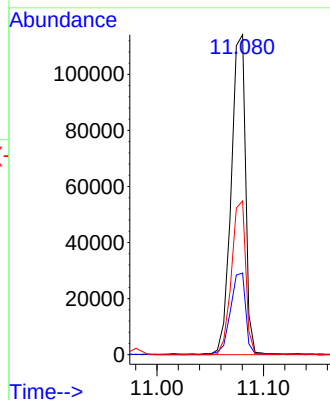
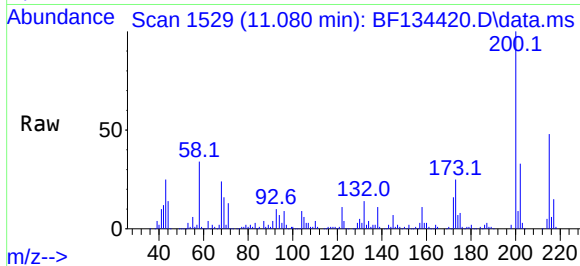




#69  
Atrazine  
Concen: 48.847 ng  
RT: 11.080 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

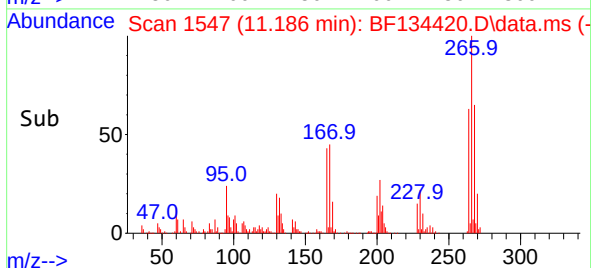
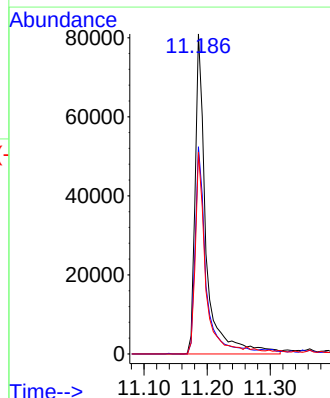
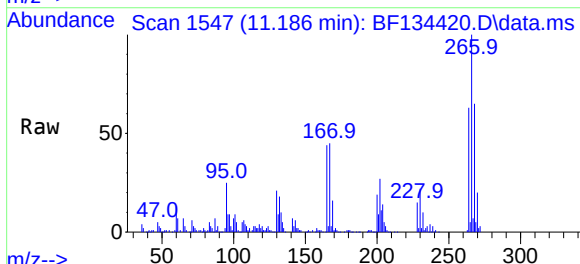
Instrument :  
BNA\_F  
ClientSampleId :  
SLUDGE-DRUMMSD

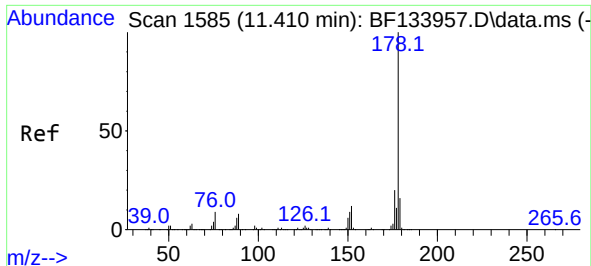
Tgt Ion:200 Resp: 106833  
Ion Ratio Lower Upper  
200 100  
173 25.5 8.0 48.0  
215 48.1 29.3 69.3



#70  
Pentachlorophenol  
Concen: 58.123 ng  
RT: 11.186 min Scan# 1547  
Delta R.T. 0.006 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

Tgt Ion:266 Resp: 97057  
Ion Ratio Lower Upper  
266 100  
268 64.7 52.6 79.0  
264 63.1 50.6 76.0

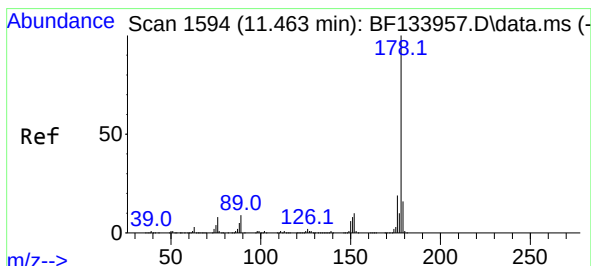
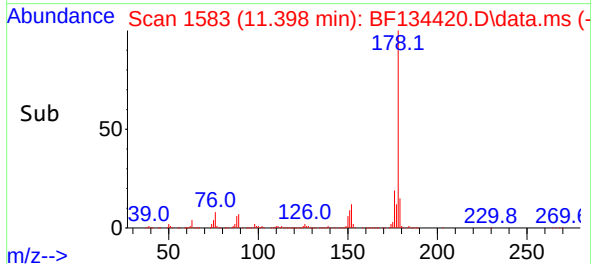
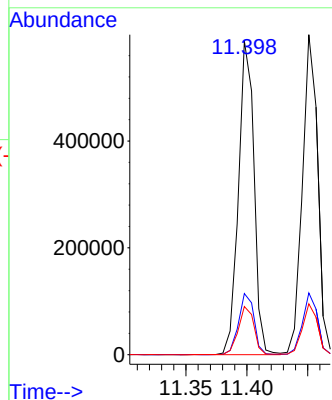
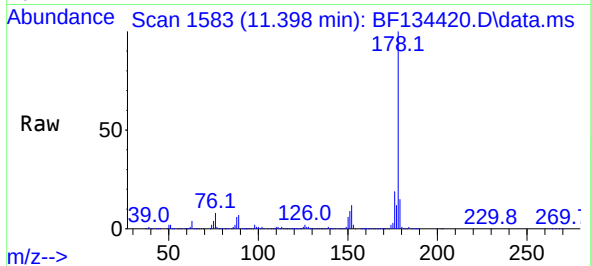




#71  
Phenanthrene  
Concen: 41.823 ng  
RT: 11.398 min Scan# 1583  
Delta R.T. -0.006 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

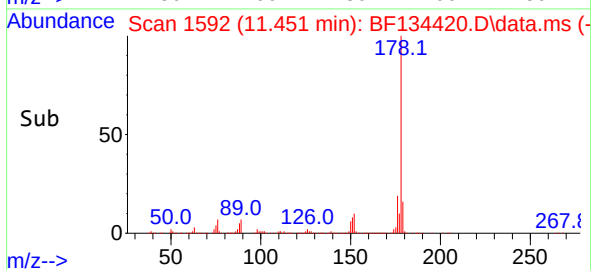
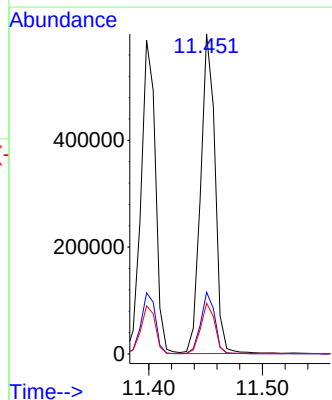
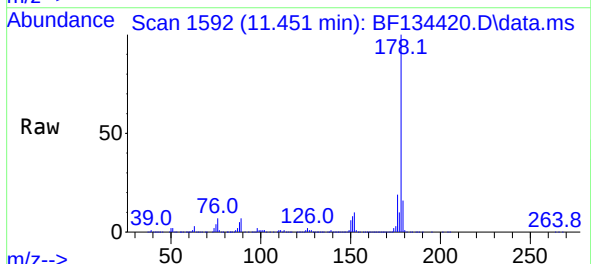
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BNA\_F  
ClientSampleId :  
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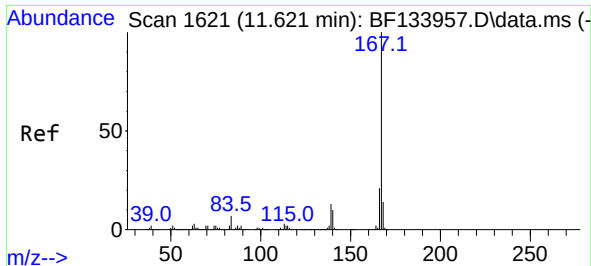
Tgt Ion:178 Resp: 521035  
Ion Ratio Lower Upper  
178 100  
176 19.5 16.0 24.0  
179 15.4 12.4 18.6



#72  
Anthracene  
Concen: 40.644 ng  
RT: 11.451 min Scan# 1592  
Delta R.T. -0.006 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

Tgt Ion:178 Resp: 526661  
Ion Ratio Lower Upper  
178 100  
176 19.3 15.3 22.9  
179 15.9 12.4 18.6

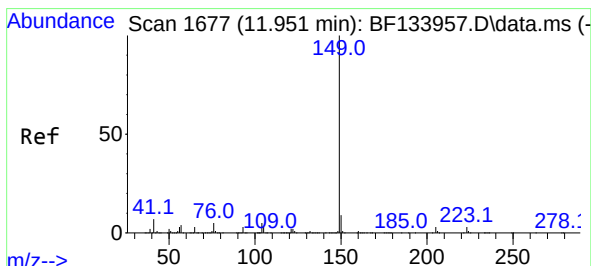
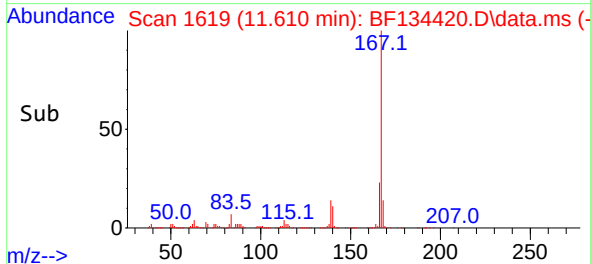
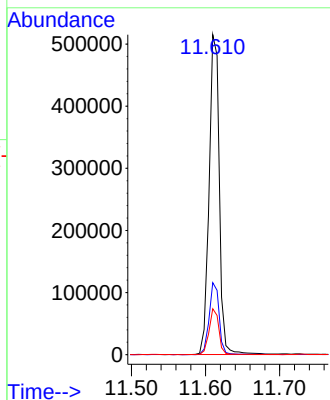
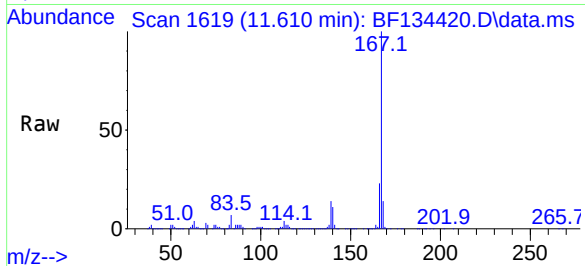




#73  
Carbazole  
Concen: 41.669 ng  
RT: 11.610 min Scan# 1619  
Delta R.T. -0.006 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

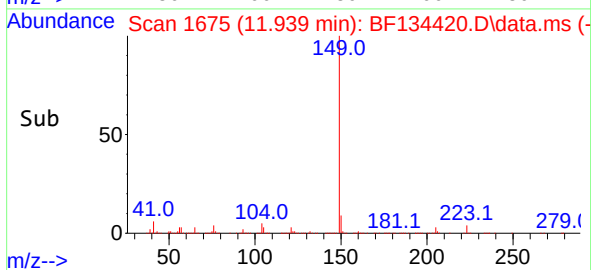
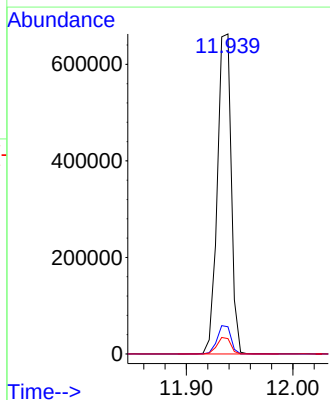
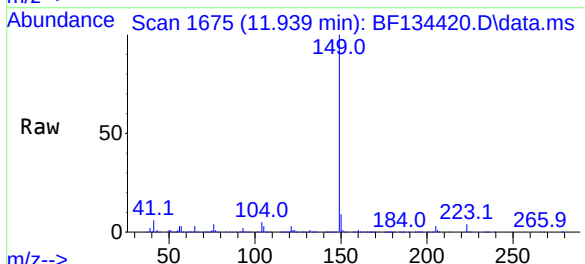
Instrument :  
BNA\_F  
ClientSampleId :  
SLUDGE-DRUMMSD

Tgt Ion:167 Resp: 494213  
Ion Ratio Lower Upper  
167 100  
166 22.5 17.0 25.6  
139 14.4 10.4 15.6

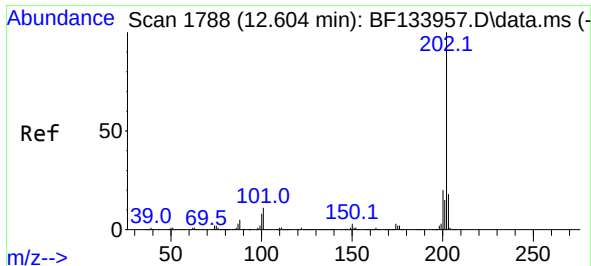


#74  
Di-n-butylphthalate  
Concen: 42.444 ng  
RT: 11.939 min Scan# 1675  
Delta R.T. -0.000 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

Tgt Ion:149 Resp: 598649  
Ion Ratio Lower Upper  
149 100  
150 8.5 7.1 10.7  
104 4.8 4.0 6.0



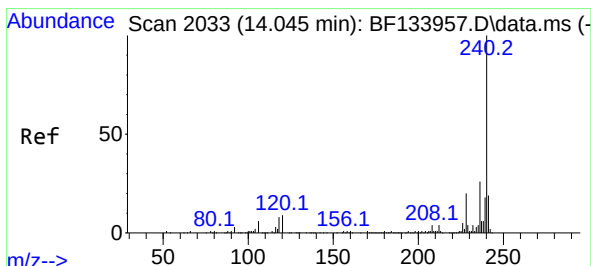
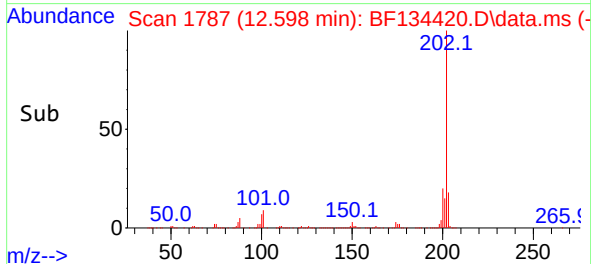
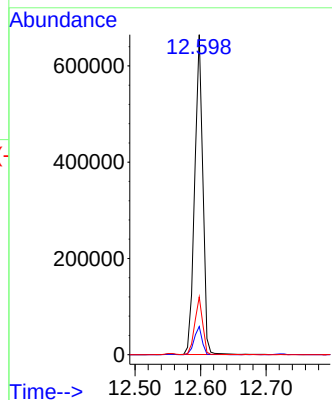
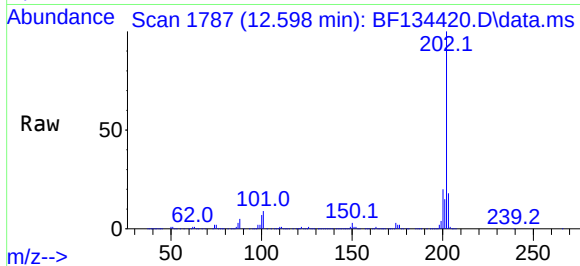




#75  
Fluoranthene  
Concen: 42.524 ng  
RT: 12.598 min Scan# 1787  
Delta R.T. -0.000 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

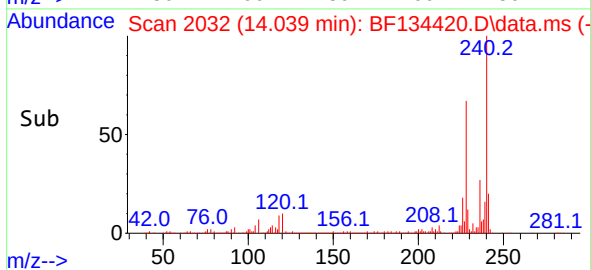
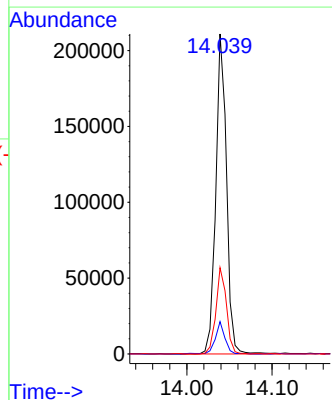
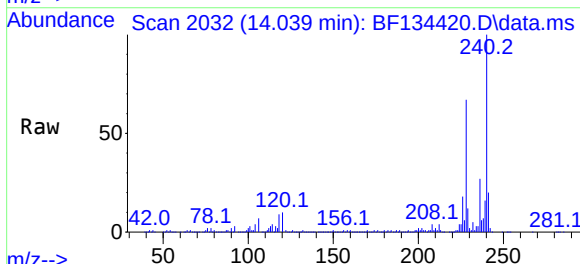
Instrument :  
BNA\_F  
ClientSampleId :  
SLUDGE-DRUMMSD

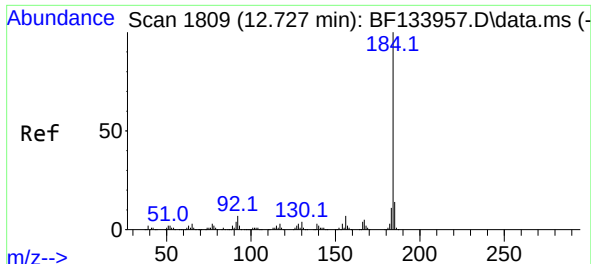
Tgt Ion:202 Resp: 572727  
Ion Ratio Lower Upper  
202 100  
101 8.8 0.0 31.0  
203 18.0 0.0 37.6



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.039 min Scan# 2032  
Delta R.T. -0.000 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

Tgt Ion:240 Resp: 184601  
Ion Ratio Lower Upper  
240 100  
120 10.1 7.4 11.0  
236 26.9 21.0 31.6

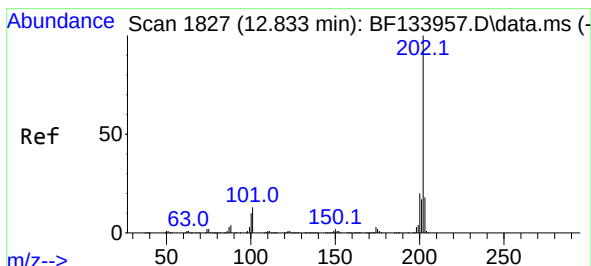
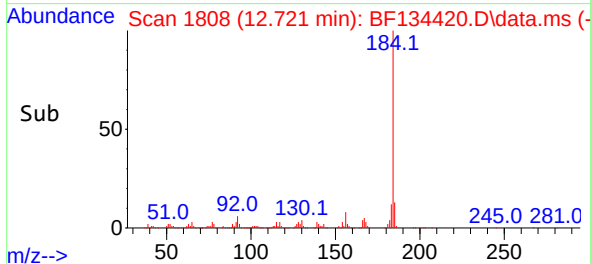
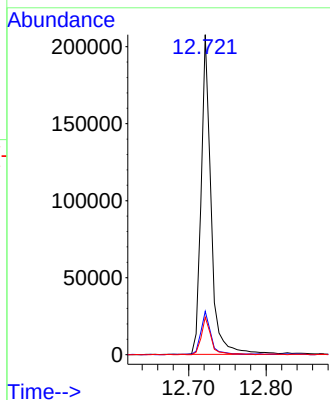
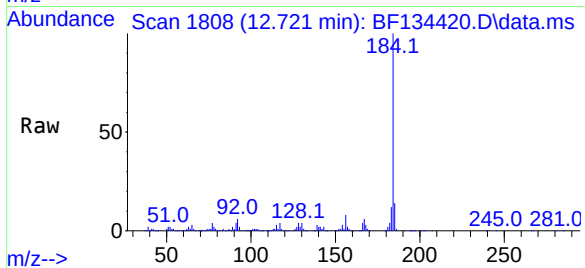




#77  
Benzidine  
Concen: 41.982 ng  
RT: 12.721 min Scan# 1808  
Delta R.T. -0.006 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

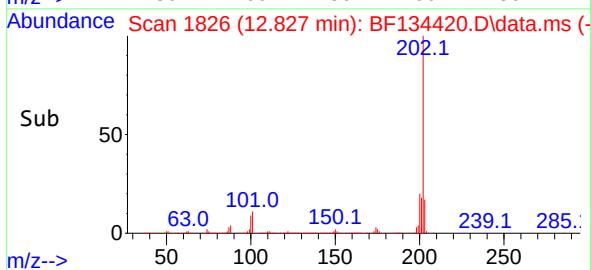
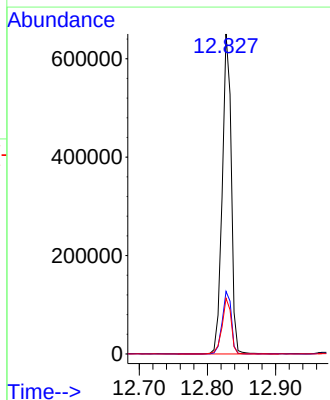
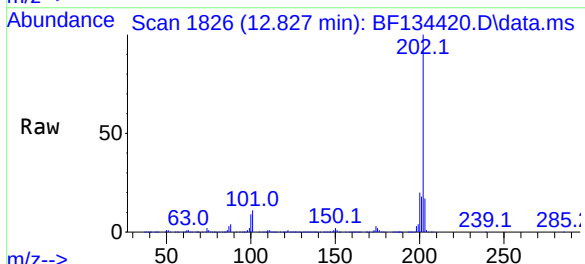
Instrument :  
BNA\_F  
ClientSampleId :  
SLUDGE-DRUMMSD

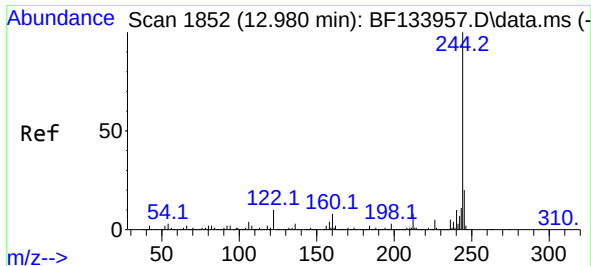
Tgt Ion:184 Resp: 184405  
Ion Ratio Lower Upper  
184 100  
185 13.6 11.6 17.4  
183 11.7 8.8 13.2



#78  
Pyrene  
Concen: 34.762 ng  
RT: 12.827 min Scan# 1826  
Delta R.T. -0.006 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

Tgt Ion:202 Resp: 597199  
Ion Ratio Lower Upper  
202 100  
200 19.6 16.1 24.1  
203 17.4 14.3 21.5

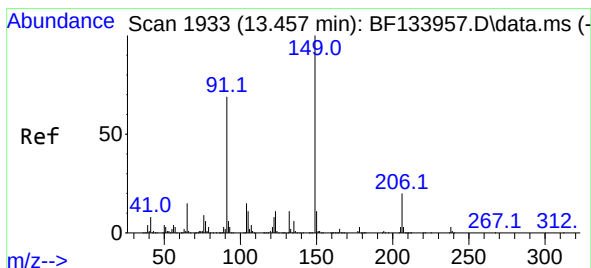
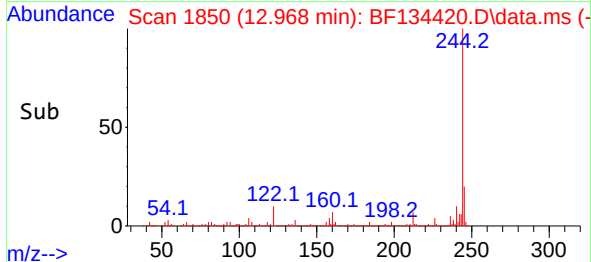
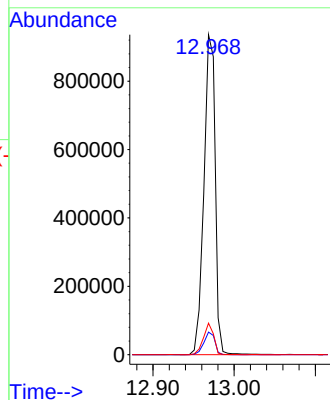
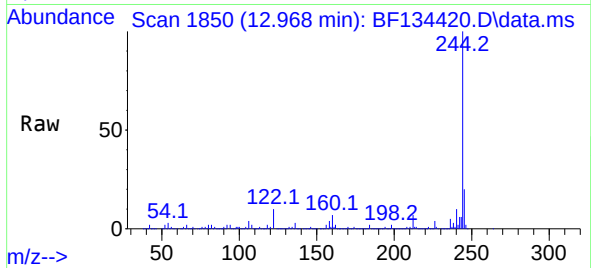




#79  
 Terphenyl-d14  
 Concen: 78.757 ng  
 RT: 12.968 min Scan# 11  
 Delta R.T. -0.006 min  
 Lab File: BF134420.D  
 Acq: 22 Jul 2023 13:56

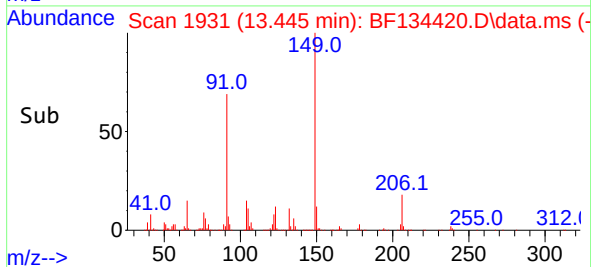
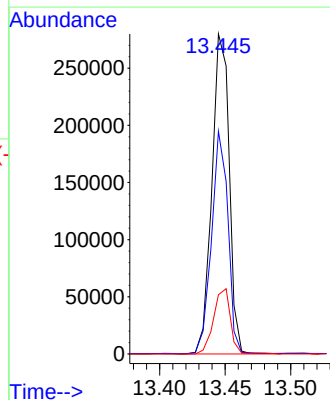
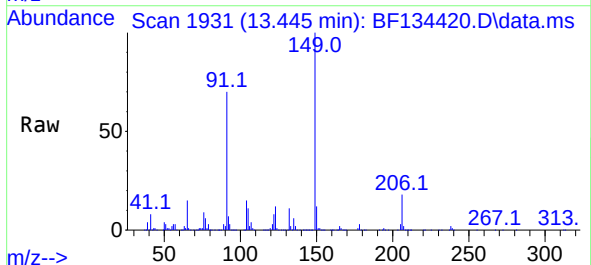
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SLUDGE-DRUMMSD

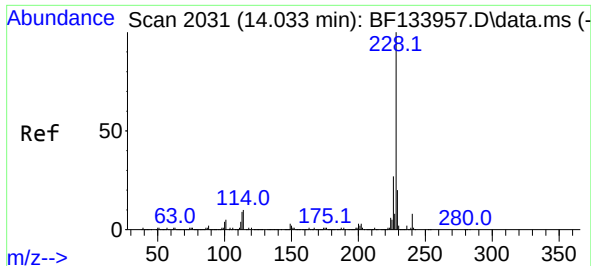
Tgt Ion:244 Resp: 903348  
 Ion Ratio Lower Upper  
 244 100  
 212 7.1 6.0 9.0  
 122 9.8 8.3 12.5



#80  
 Butylbenzylphthalate  
 Concen: 39.879 ng  
 RT: 13.445 min Scan# 1931  
 Delta R.T. -0.006 min  
 Lab File: BF134420.D  
 Acq: 22 Jul 2023 13:56

Tgt Ion:149 Resp: 256947  
 Ion Ratio Lower Upper  
 149 100  
 91 69.6 55.1 82.7  
 206 18.5 15.7 23.5

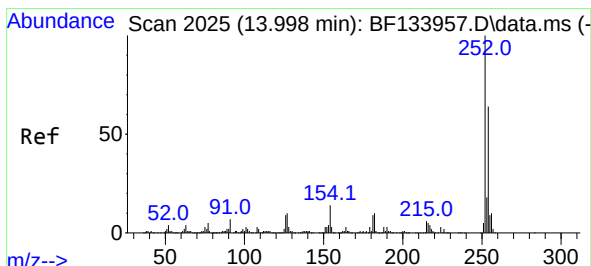
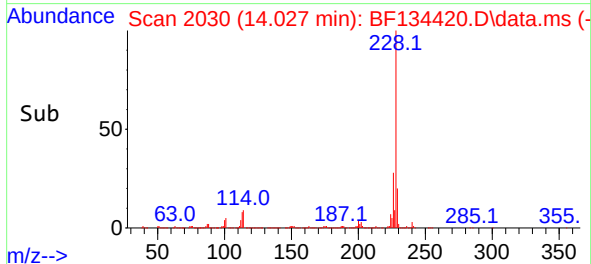
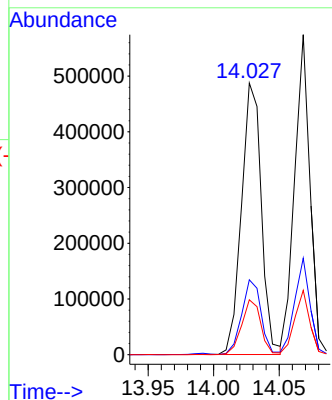
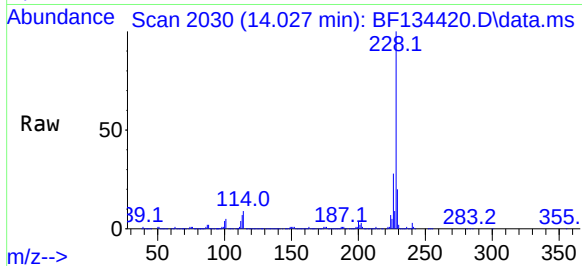




#81  
Benzo(a)anthracene  
Concen: 40.237 ng  
RT: 14.027 min Scan# 2031  
Delta R.T. -0.000 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

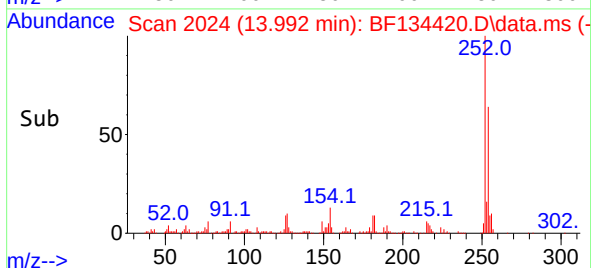
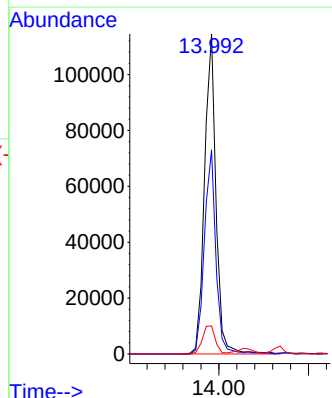
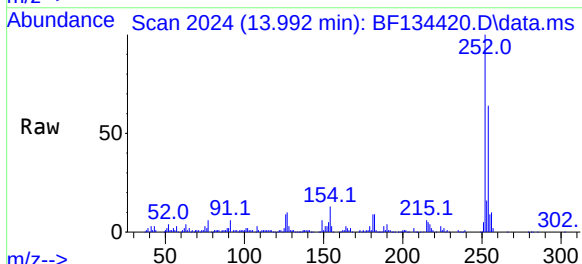
Instrument :  
BNA\_F  
ClientSampleId :  
SLUDGE-DRUMMSD

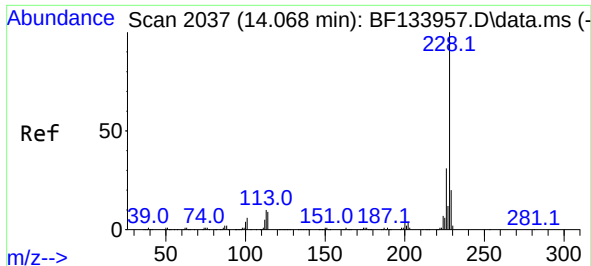
Tgt Ion:228 Resp: 515135  
Ion Ratio Lower Upper  
228 100  
226 27.6 22.0 33.0  
229 20.2 16.3 24.5



#82  
3,3'-Dichlorobenzidine  
Concen: 25.036 ng  
RT: 13.992 min Scan# 2024  
Delta R.T. -0.000 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

Tgt Ion:252 Resp: 101548  
Ion Ratio Lower Upper  
252 100  
254 63.8 51.4 77.0  
126 8.7 7.4 11.2

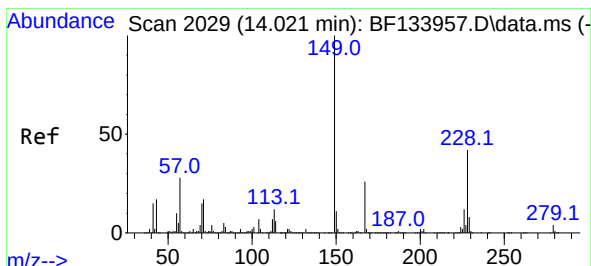
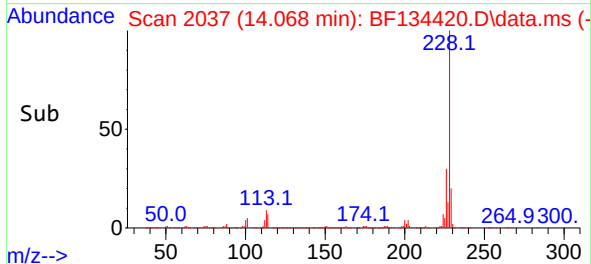
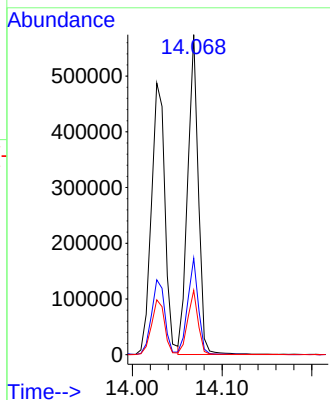
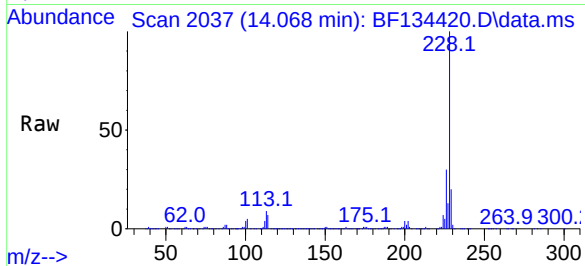




#83  
Chrysene  
Concen: 38.075 ng  
RT: 14.068 min Scan# 2037  
Delta R.T. -0.000 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

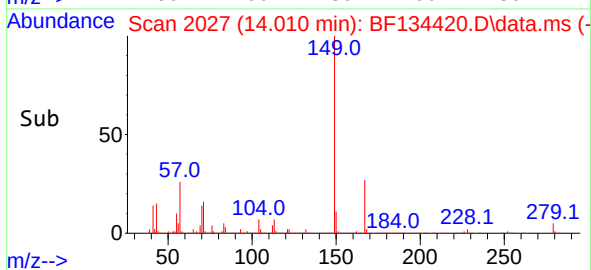
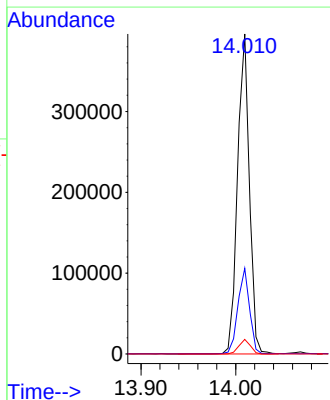
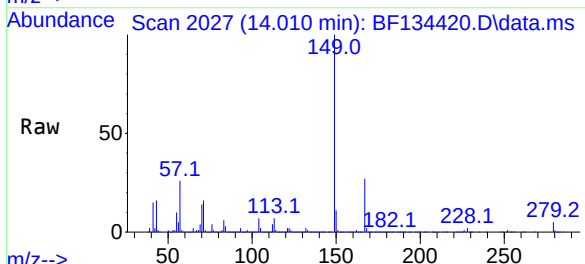
Instrument :  
BNA\_F  
ClientSampleId :  
SLUDGE-DRUMMSD

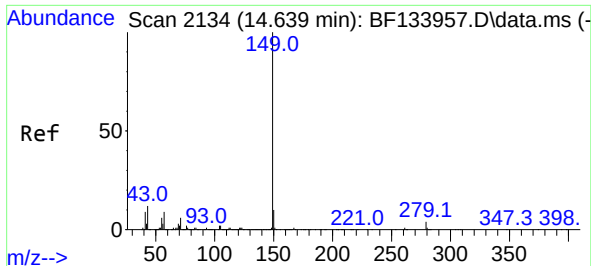
Tgt Ion:228 Resp: 472123  
Ion Ratio Lower Upper  
228 100  
226 30.2 24.4 36.6  
229 20.1 16.1 24.1



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 46.155 ng  
RT: 14.010 min Scan# 2027  
Delta R.T. -0.006 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

Tgt Ion:149 Resp: 341711  
Ion Ratio Lower Upper  
149 100  
167 26.8 21.0 31.4  
279 4.6 3.3 4.9

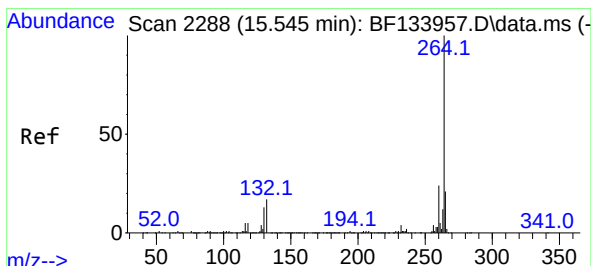
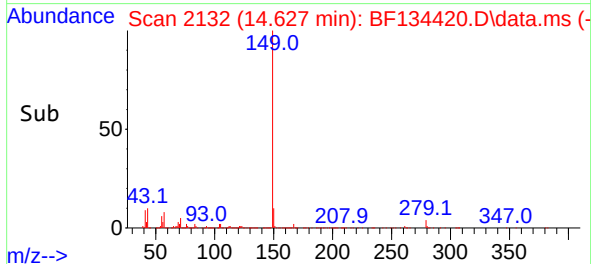
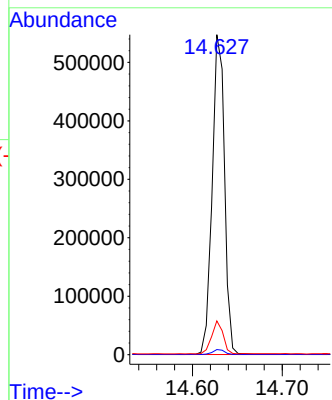
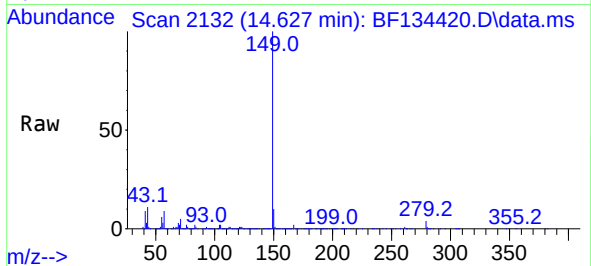




#85  
Di-n-octyl phthalate  
Concen: 47.996 ng  
RT: 14.627 min Scan# 2134  
Delta R.T. -0.006 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

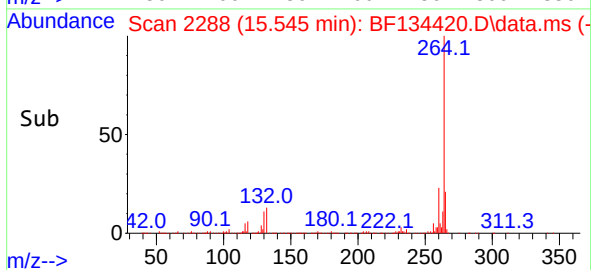
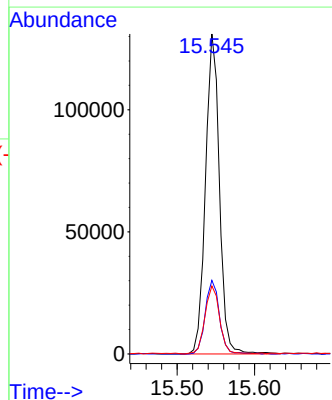
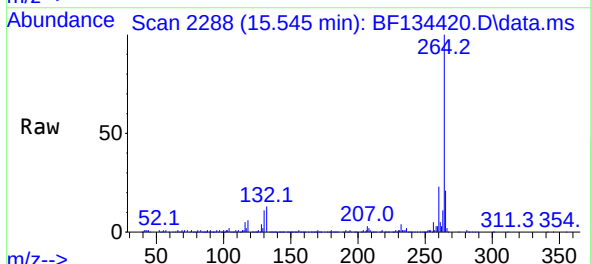
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BNA\_F  
ClientSampleId :  
SLUDGE-DRUMMSD

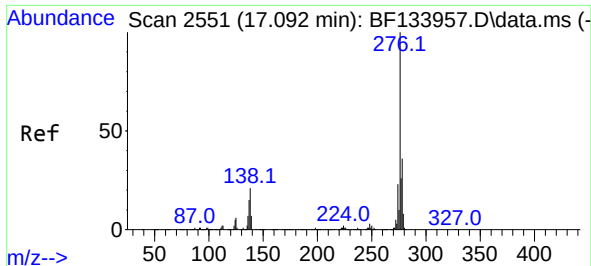
Tgt Ion:149 Resp: 522129  
Ion Ratio Lower Upper  
149 100  
167 1.5 1.3 1.9  
43 9.7 9.0 13.4



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.545 min Scan# 2288  
Delta R.T. -0.000 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

Tgt Ion:264 Resp: 163290  
Ion Ratio Lower Upper  
264 100  
260 23.0 19.5 29.3  
265 21.2 16.6 25.0

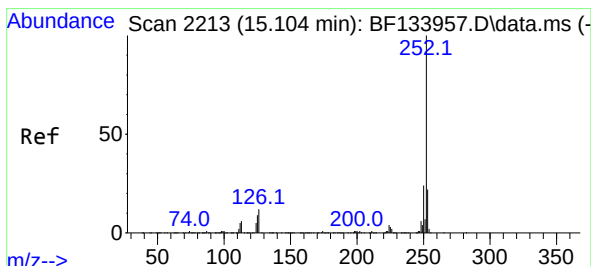
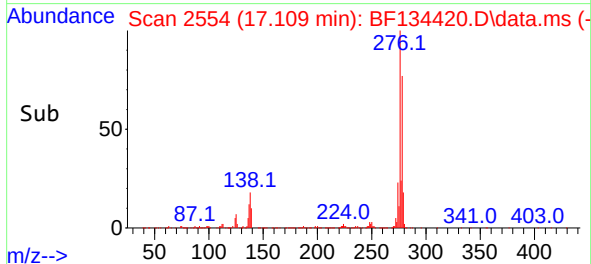
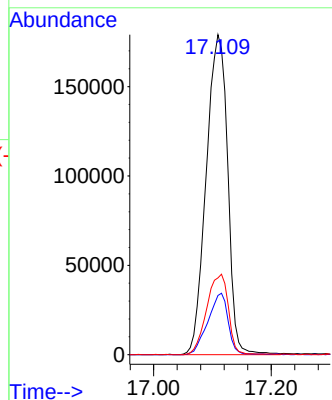
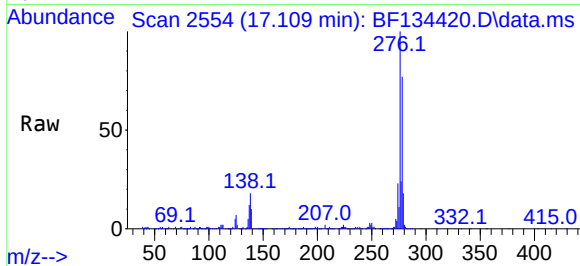




#87  
 Indeno(1,2,3-cd)pyrene  
 Concen: 40.167 ng  
 RT: 17.109 min Scan# 21  
 Delta R.T. 0.012 min  
 Lab File: BF134420.D  
 Acq: 22 Jul 2023 13:56

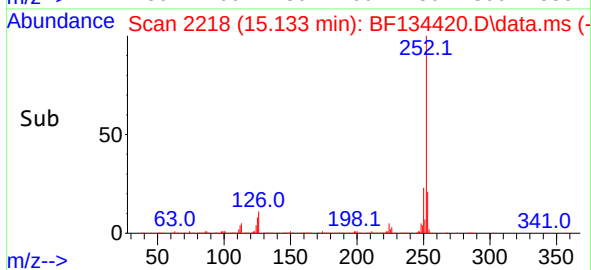
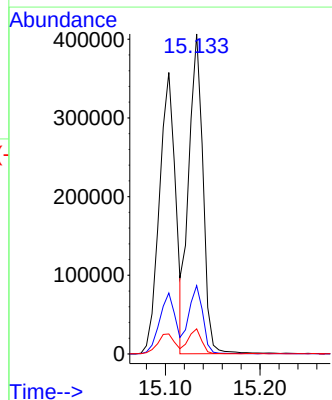
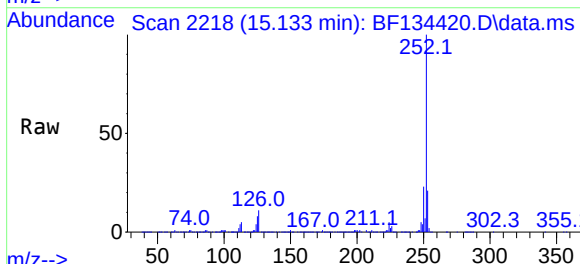
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SLUDGE-DRUMMSD

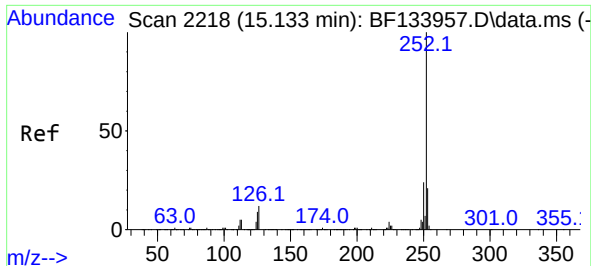
Tgt Ion:276 Resp: 455117  
 Ion Ratio Lower Upper  
 276 100  
 138 18.2 18.7 28.1#  
 277 25.3 19.9 29.9



#88  
 Benzo(b)fluoranthene  
 Concen: 43.943 ng  
 RT: 15.133 min Scan# 2218  
 Delta R.T. 0.029 min  
 Lab File: BF134420.D  
 Acq: 22 Jul 2023 13:56

Tgt Ion:252 Resp: 421926  
 Ion Ratio Lower Upper  
 252 100  
 253 21.3 17.4 26.0  
 125 7.9 7.1 10.7

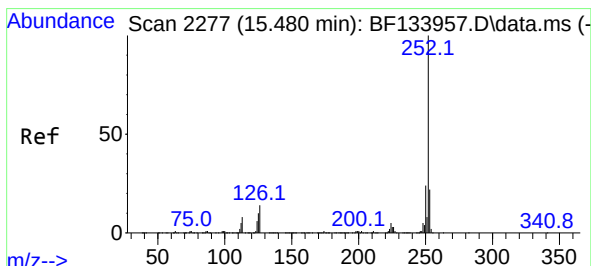
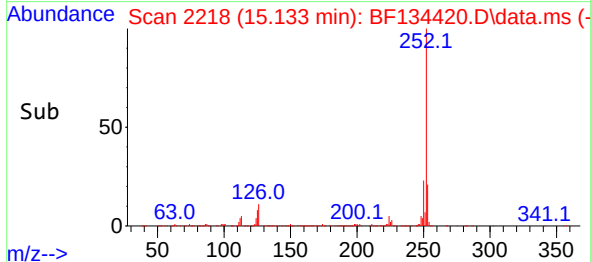
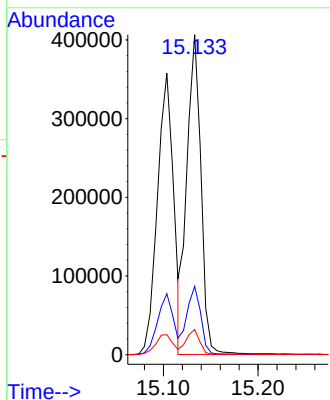
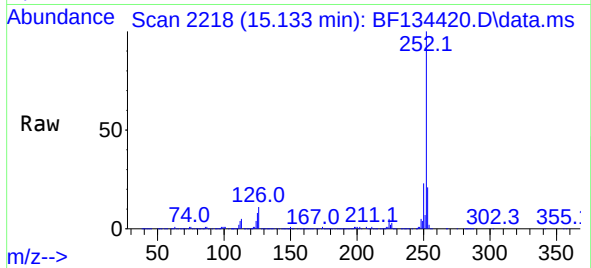




#89  
Benzo(k)fluoranthene  
Concen: 43.160 ng  
RT: 15.133 min Scan# 2218  
Delta R.T. -0.000 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

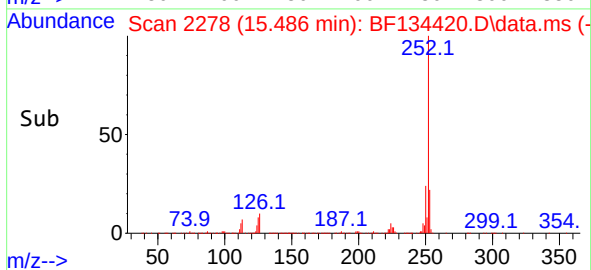
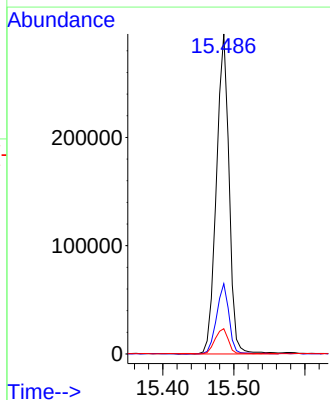
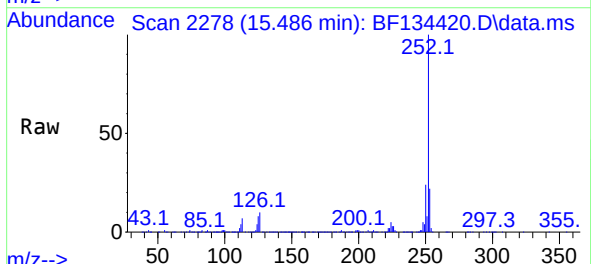
Instrument :  
BNA\_F  
ClientSampleId :  
SLUDGE-DRUMMSD

Tgt Ion:252 Resp: 421926  
Ion Ratio Lower Upper  
252 100  
253 21.3 16.9 25.3  
125 7.9 7.4 11.2

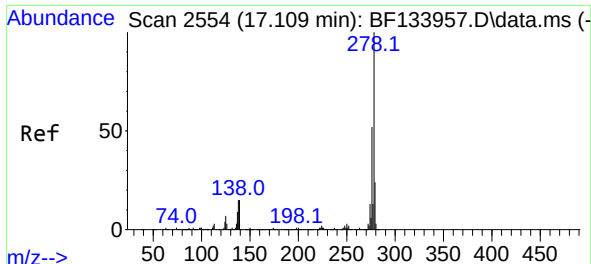


#90  
Benzo(a)pyrene  
Concen: 39.367 ng  
RT: 15.486 min Scan# 2278  
Delta R.T. 0.006 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

Tgt Ion:252 Resp: 365504  
Ion Ratio Lower Upper  
252 100  
253 21.9 17.4 26.0  
125 7.9 8.4 12.6#



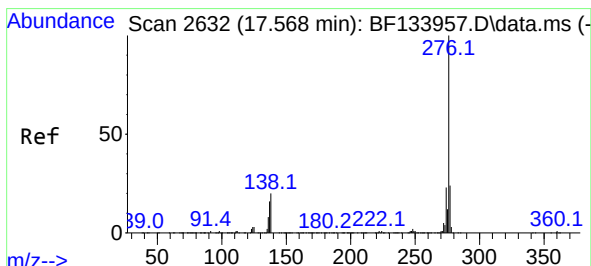
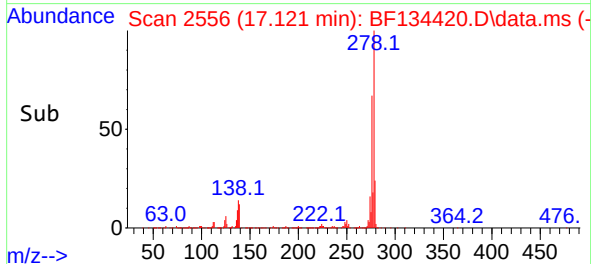
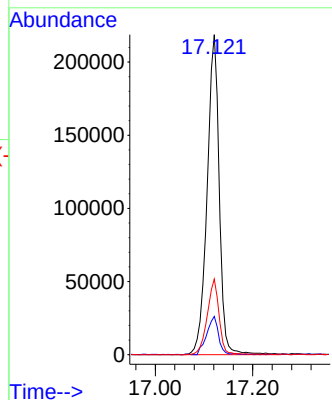
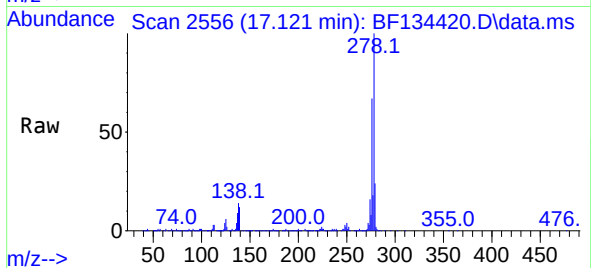




#91  
Dibenzo(a,h)anthracene  
Concen: 40.918 ng  
RT: 17.121 min Scan# 21  
Delta R.T. 0.012 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

Instrument :  
BNA\_F  
ClientSampleId :  
SLUDGE-DRUMMSD

Tgt Ion:278 Resp: 378685  
Ion Ratio Lower Upper  
278 100  
139 11.9 12.2 18.4#  
279 23.6 19.4 29.2



#92  
Benzo(g,h,i)perylene  
Concen: 38.499 ng  
RT: 17.580 min Scan# 2634  
Delta R.T. 0.012 min  
Lab File: BF134420.D  
Acq: 22 Jul 2023 13:56

Tgt Ion:276 Resp: 367434  
Ion Ratio Lower Upper  
276 100  
277 24.2 19.0 28.6  
138 15.2 16.2 24.2#

