

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF050323\  
 Data File : BF133213.D  
 Acq On : 03 May 2023 18:16  
 Operator : CG\JU  
 Sample : 02588-09MS  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ZONE-A-6-9-05022023MS

Quant Time: May 04 01:39:36 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF042123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 03 17:31:52 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.728  | 152  | 208832   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.016  | 136  | 864126   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.769  | 164  | 447473   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.251 | 188  | 729277   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.886 | 240  | 370965   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.304 | 264  | 460831   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.351  | 112  | 1551529  | 112.232 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.381  | 99   | 1851308  | 107.892 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.298  | 82   | 1132006  | 70.710  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.557 | 330  | 344678   | 76.592  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.092  | 172  | 1841490  | 68.849  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.833 | 244  | 1508683  | 70.141  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.463  | 88   | 270807   | 42.233  | ng    | 99       |
| 3) Pyridine                   | 3.158  | 79   | 675351   | 39.654  | ng    | 97       |
| 4) n-Nitrosodimethylamine     | 3.116  | 42   | 369575   | 41.895  | ng    | 98       |
| 6) Aniline                    | 6.393  | 93   | 437935   | 19.816  | ng    | # 1      |
| 8) 2-Chlorophenol             | 6.516  | 128  | 659542   | 46.989  | ng    | 96       |
| 9) Benzaldehyde               | 6.275  | 77   | 359736   | 49.114  | ng    | 99       |
| 10) Phenol                    | 6.393  | 94   | 784004   | 41.417  | ng    | 90       |
| 11) bis(2-Chloroethyl)ether   | 6.469  | 93   | 619464   | 43.609  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.675  | 146  | 683938   | 45.831  | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 6.751  | 146  | 693809   | 46.389  | ng    | 97       |
| 14) 1,2-Dichlorobenzene       | 6.898  | 146  | 666870   | 48.364  | ng    | 96       |
| 15) Benzyl Alcohol            | 6.881  | 79   | 540350   | 45.589  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.016  | 45   | 1027530  | 41.648  | ng    | 96       |
| 17) 2-Methylphenol            | 6.998  | 107  | 548869   | 42.705  | ng    | 99       |
| 18) Hexachloroethane          | 7.245  | 117  | 246511   | 47.408  | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 7.157  | 70   | 426432   | 39.919  | ng    | 95       |
| 20) 3+4-Methylphenols         | 7.151  | 107  | 702734   | 46.428  | ng    | # 80     |
| 22) Acetophenone              | 7.145  | 105  | 863610   | 43.143  | ng    | 98       |
| 24) Nitrobenzene              | 7.316  | 77   | 667552   | 41.150  | ng    | 96       |
| 25) Isophorone                | 7.557  | 82   | 1252366  | 41.202  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.634  | 139  | 364478   | 46.581  | ng    | 95       |
| 27) 2,4-Dimethylphenol        | 7.681  | 122  | 599568   | 44.687  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.769  | 93   | 750308   | 41.726  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.881  | 162  | 543897   | 44.530  | ng    | 96       |
| 30) 1,2,4-Trichlorobenzene    | 7.957  | 180  | 558130   | 44.108  | ng    | 99       |
| 31) Naphthalene               | 8.040  | 128  | 1834448  | 42.461  | ng    | 99       |
| 32) Benzoic acid              | 7.804  | 122  | 23145    | 2.793   | ng    | 94       |
| 33) 4-Chloroaniline           | 8.087  | 127  | 270652   | 15.505  | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.157  | 225  | 308452   | 43.981  | ng    | 99       |
| 35) Caprolactam               | 8.457  | 113  | 132582   | 32.312  | ng    | 92       |
| 36) 4-Chloro-3-methylphenol   | 8.581  | 107  | 583045   | 44.266  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.728  | 142  | 1214009  | 41.101  | ng    | 97       |
| 38) 1-Methylnaphthalene       | 8.828  | 142  | 1139489  | 41.239  | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 8.898  | 216  | 504478   | 41.931  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.887  | 237  | 444196   | 63.306  | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.010  | 196  | 320178   | 38.481  | ng    | 99       |

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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 03 17:31:52 2023  
 Response via : Initial Calibration

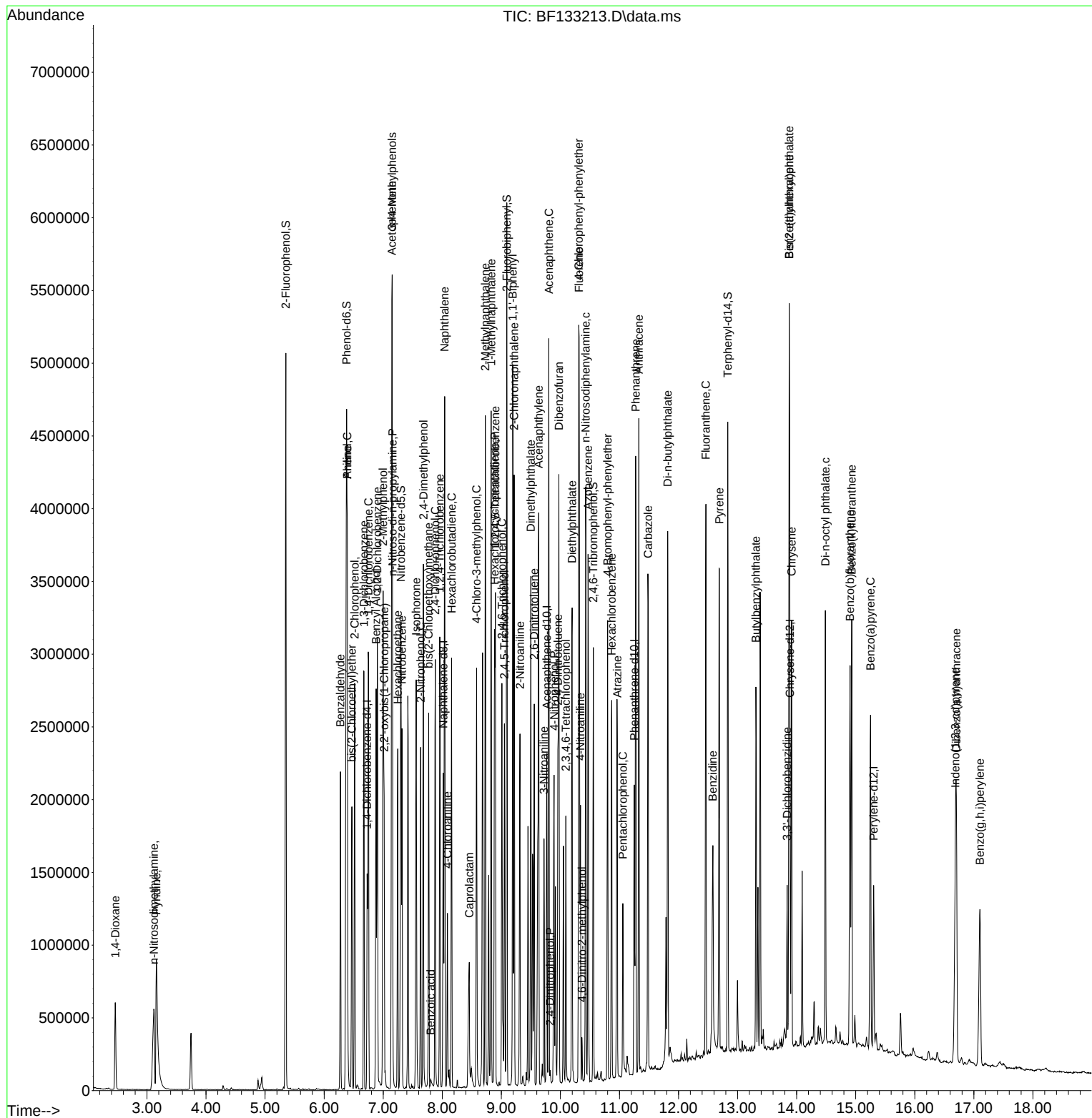
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.051  | 196  | 335825   | 34.899 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 9.192  | 154  | 1480298  | 41.719 | ng    | 100      |
| 47) 2-Chloronaphthalene       | 9.216  | 162  | 1120825  | 43.157 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.316  | 65   | 365047   | 42.530 | ng    | 98       |
| 49) Acenaphthylene            | 9.634  | 152  | 1731124  | 41.716 | ng    | 99       |
| 50) Dimethylphthalate         | 9.498  | 163  | 1323399  | 42.415 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.557  | 165  | 308310   | 43.902 | ng    | 93       |
| 52) Acenaphthene              | 9.804  | 154  | 1069612  | 38.485 | ng    | 100      |
| 53) 3-Nitroaniline            | 9.722  | 138  | 263421   | 31.547 | ng    | 96       |
| 54) 2,4-Dinitrophenol         | 9.828  | 184  | 12131    | 3.437  | ng    | 87       |
| 55) Dibenzofuran              | 9.975  | 168  | 1540695  | 40.638 | ng    | 98       |
| 56) 4-Nitrophenol             | 9.892  | 139  | 365436   | 56.505 | ng    | 96       |
| 57) 2,4-Dinitrotoluene        | 9.957  | 165  | 396482   | 44.271 | ng    | 97       |
| 58) Fluorene                  | 10.316 | 166  | 1127245  | 40.583 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.092 | 232  | 196555   | 26.347 | ng    | 97       |
| 60) Diethylphthalate          | 10.198 | 149  | 1236961  | 41.971 | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 10.310 | 204  | 546356   | 40.363 | ng    | 98       |
| 62) 4-Nitroaniline            | 10.339 | 138  | 332792   | 43.363 | ng    | 98       |
| 63) Azobenzene                | 10.469 | 77   | 1261080  | 40.393 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.369 | 198  | 36167    | 8.182  | ng    | 97       |
| 66) n-Nitrosodiphenylamine    | 10.428 | 169  | 1041784  | 44.039 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.798 | 248  | 341028   | 43.117 | ng    | 95       |
| 68) Hexachlorobenzene         | 10.869 | 284  | 364779   | 45.008 | ng    | 97       |
| 69) Atrazine                  | 10.963 | 200  | 343981   | 50.464 | ng    | 98       |
| 70) Pentachlorophenol         | 11.057 | 266  | 147944   | 25.631 | ng    | 98       |
| 71) Phenanthrene              | 11.275 | 178  | 1672982  | 42.682 | ng    | 100      |
| 72) Anthracene                | 11.328 | 178  | 1641125  | 40.912 | ng    | 99       |
| 73) Carbazole                 | 11.486 | 167  | 1458229  | 40.826 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.816 | 149  | 1829279  | 45.256 | ng    | 100      |
| 75) Fluoranthene              | 12.463 | 202  | 1471120  | 37.397 | ng    | 97       |
| 77) Benzidine                 | 12.580 | 184  | 435057   | 69.352 | ng    | 95       |
| 78) Pyrene                    | 12.692 | 202  | 1437277  | 45.197 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.310 | 149  | 589069   | 52.317 | ng    | 94       |
| 81) Benzo(a)anthracene        | 13.874 | 228  | 1075790  | 42.171 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.839 | 252  | 204923   | 29.079 | ng    | 97       |
| 83) Chrysene                  | 13.916 | 228  | 1082743  | 42.454 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 13.874 | 149  | 696385   | 49.274 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.486 | 149  | 1349704  | 58.569 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.686 | 276  | 1105299  | 42.166 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 14.904 | 252  | 1256344  | 42.853 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 14.933 | 252  | 1164459  | 40.068 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.251 | 252  | 1095694  | 41.060 | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 16.704 | 278  | 937392   | 42.876 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.104 | 276  | 840356   | 38.934 | ng    | 96       |

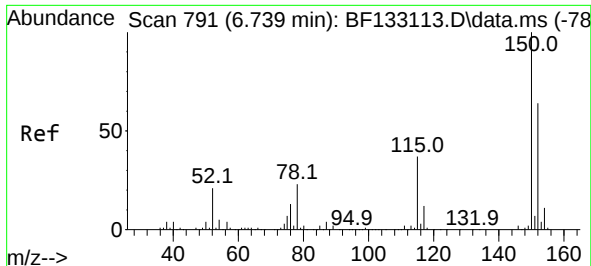
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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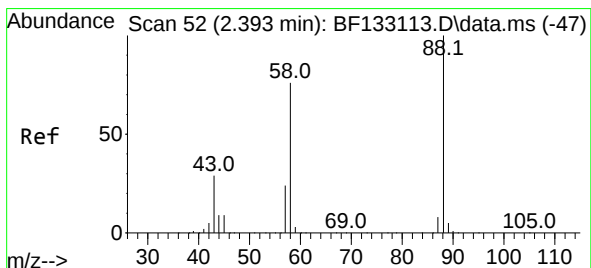
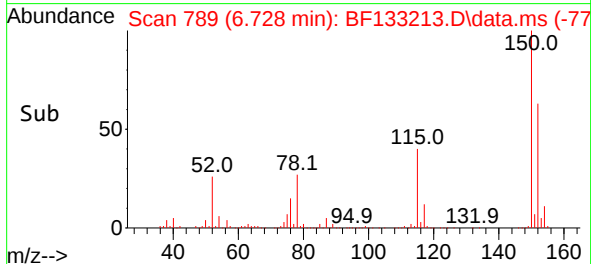
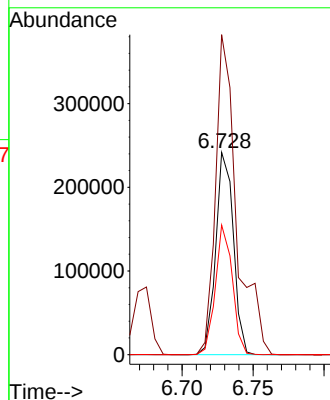
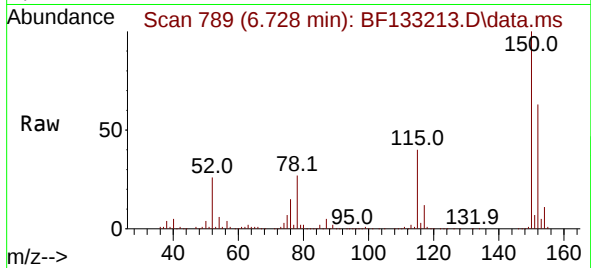




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.728 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF133213.D  
Acq: 03 May 2023 18:16

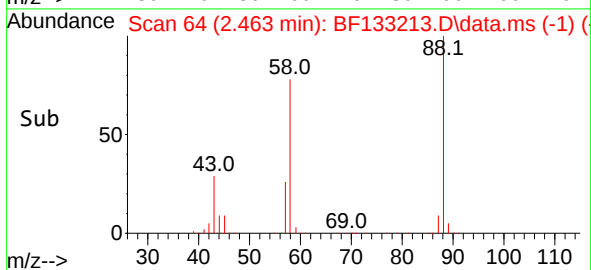
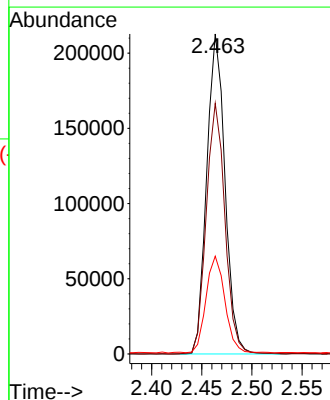
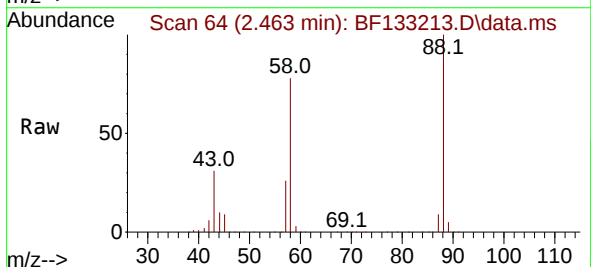
Instrument :  
BNA\_F  
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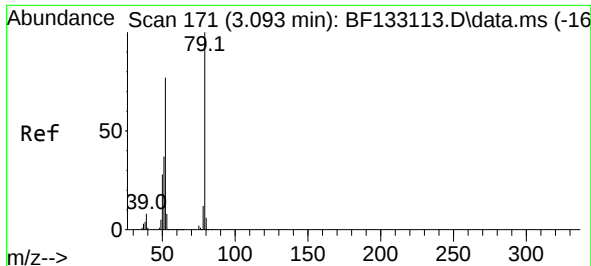
Tgt Ion:152 Resp: 208832  
Ion Ratio Lower Upper  
152 100  
150 158.3 124.8 187.2  
115 64.1 49.9 74.9



#2  
1,4-Dioxane  
Concen: 42.233 ng  
RT: 2.463 min Scan# 64  
Delta R.T. 0.088 min  
Lab File: BF133213.D  
Acq: 03 May 2023 18:16

Tgt Ion: 88 Resp: 270807  
Ion Ratio Lower Upper  
88 100  
58 80.0 64.7 97.1  
43 31.7 26.2 39.2

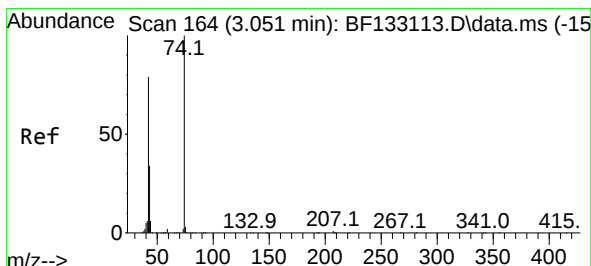
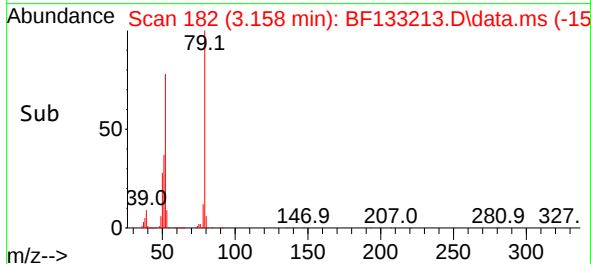
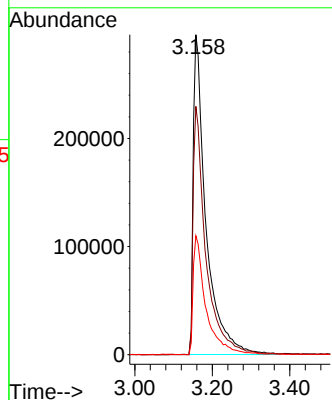
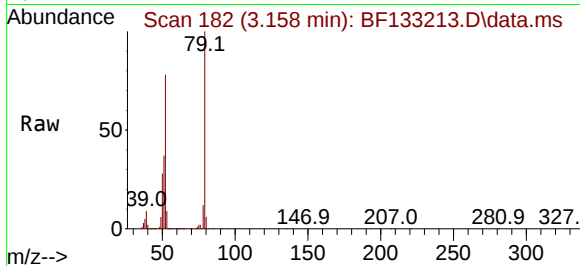




#3  
Pyridine  
Concen: 39.654 ng  
RT: 3.158 min Scan# 11  
Delta R.T. 0.082 min  
Lab File: BF133213.D  
Acq: 03 May 2023 18:16

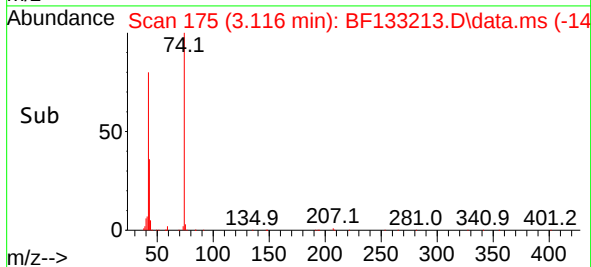
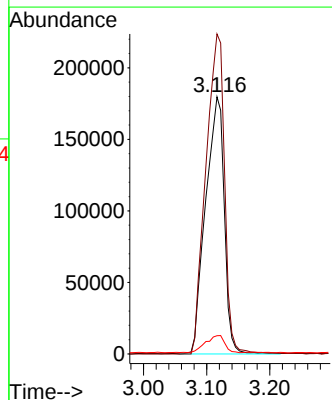
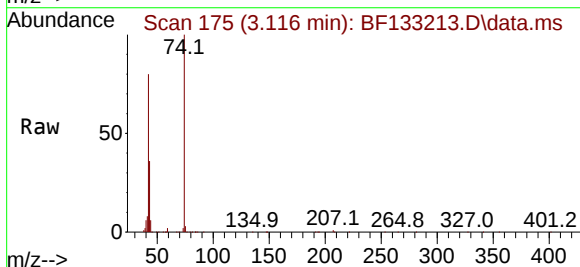
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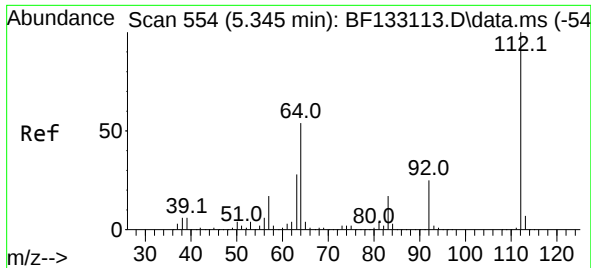
Tgt Ion: 79 Resp: 675351  
Ion Ratio Lower Upper  
79 100  
52 77.6 64.6 96.8  
51 37.1 30.0 45.0



#4  
n-Nitrosodimethylamine  
Concen: 41.895 ng  
RT: 3.116 min Scan# 175  
Delta R.T. 0.082 min  
Lab File: BF133213.D  
Acq: 03 May 2023 18:16

Tgt Ion: 42 Resp: 369575  
Ion Ratio Lower Upper  
42 100  
74 124.5 98.0 147.0  
44 7.1 5.8 8.8

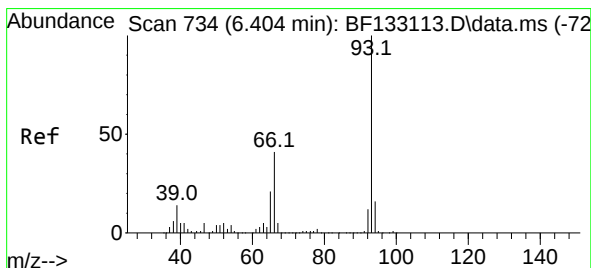
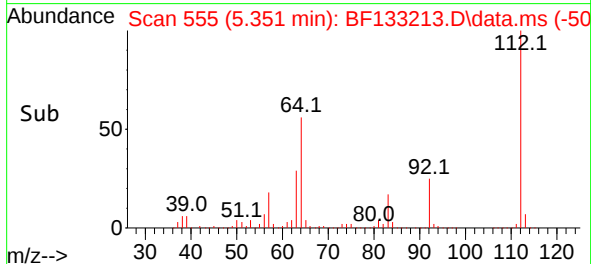
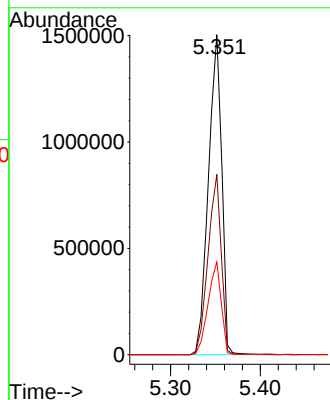
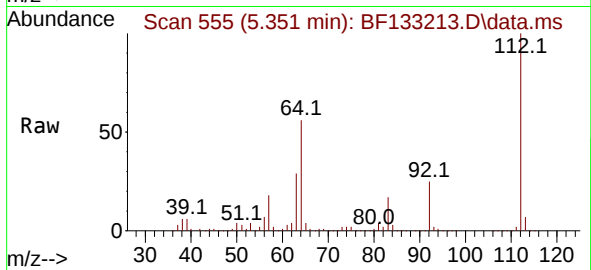




#5  
2-Fluorophenol  
Concen: 112.232 ng  
RT: 5.351 min Scan# 511  
Delta R.T. 0.012 min  
Lab File: BF133213.D  
Acq: 03 May 2023 18:16

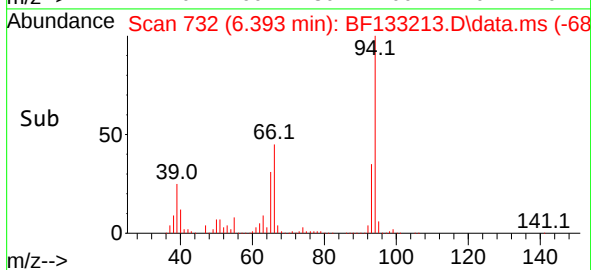
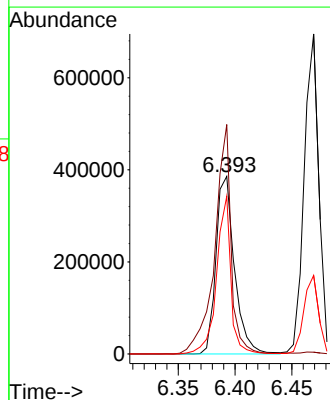
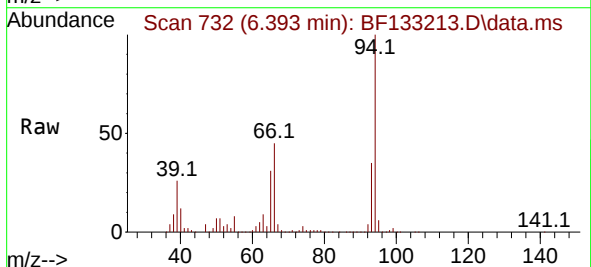
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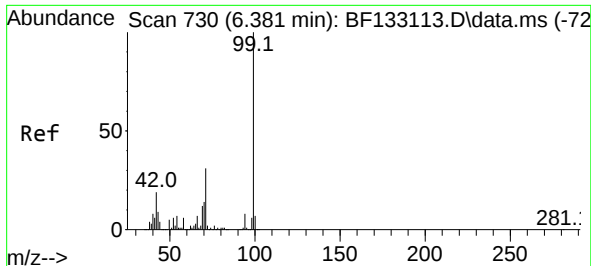
Tgt Ion:112 Resp: 1551529  
Ion Ratio Lower Upper  
112 100  
64 56.4 46.8 70.2  
63 29.0 23.8 35.8



#6  
Aniline  
Concen: 19.816 ng  
RT: 6.393 min Scan# 732  
Delta R.T. -0.006 min  
Lab File: BF133213.D  
Acq: 03 May 2023 18:16

Tgt Ion: 93 Resp: 437935  
Ion Ratio Lower Upper  
93 100  
66 129.2 31.5 47.3#  
65 88.9 16.4 24.6#

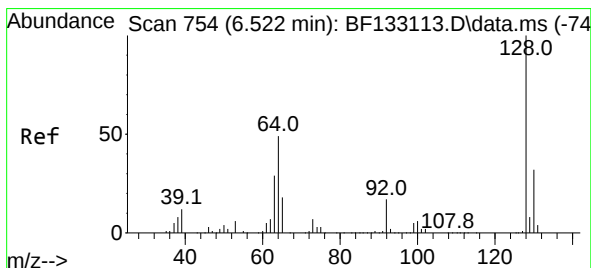
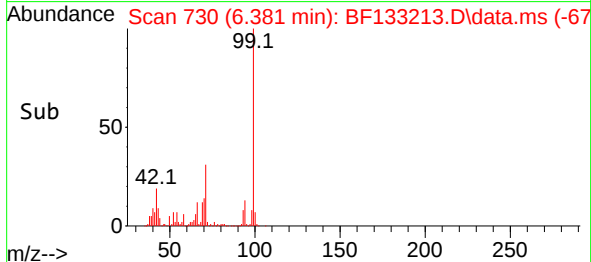
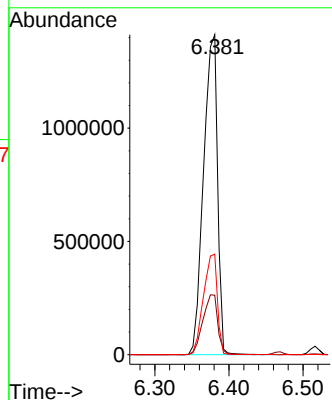
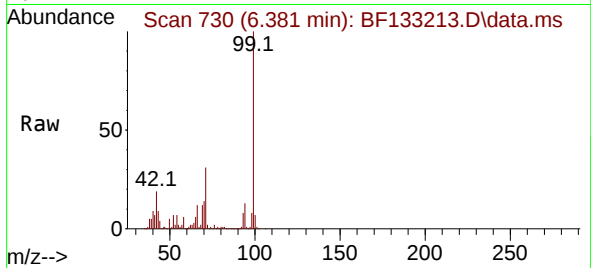




#7  
Phenol-d6  
Concen: 107.892 ng  
RT: 6.381 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: BF133213.D  
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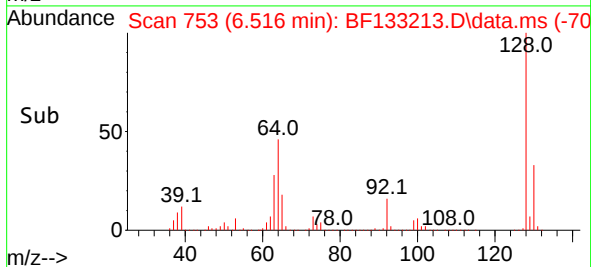
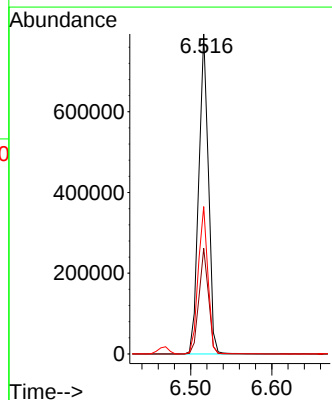
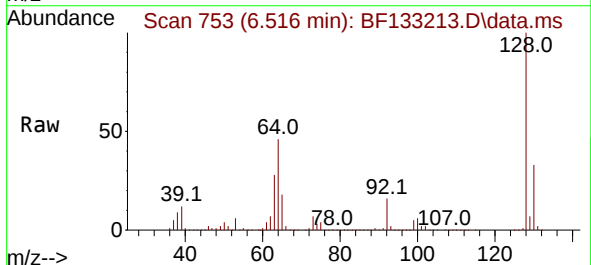
Instrument :  
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ZONE-A-6-9-05022023MS

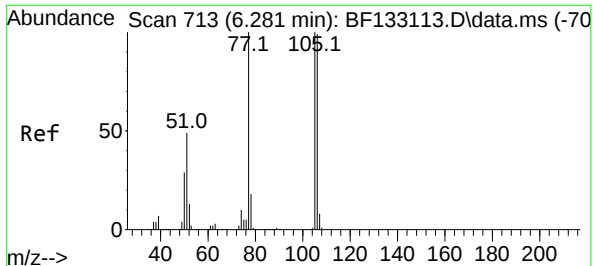
Tgt Ion: 99 Resp: 1851308  
Ion Ratio Lower Upper  
99 100  
42 18.6 16.3 24.5  
71 31.4 25.6 38.4



#8  
2-Chlorophenol  
Concen: 46.989 ng  
RT: 6.516 min Scan# 753  
Delta R.T. -0.000 min  
Lab File: BF133213.D  
Acq: 03 May 2023 18:16

Tgt Ion:128 Resp: 659542  
Ion Ratio Lower Upper  
128 100  
130 33.0 12.2 52.2  
64 46.0 30.3 70.3

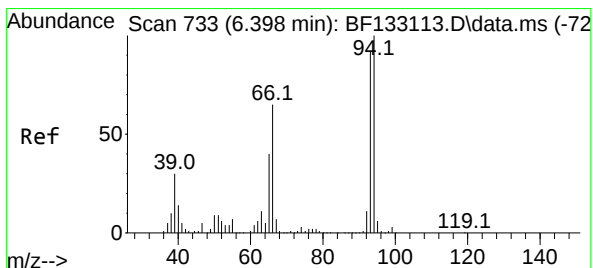
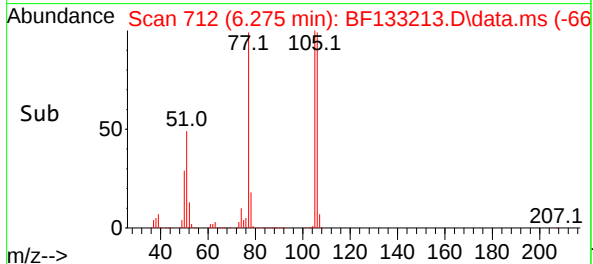
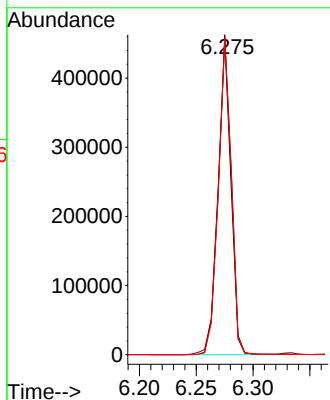
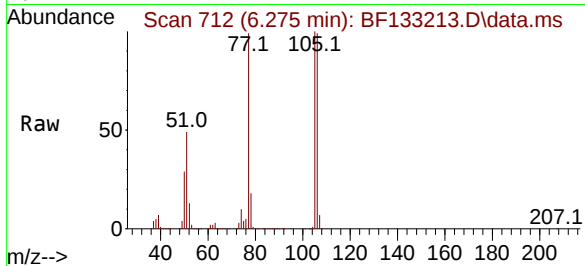




#9  
Benzaldehyde  
Concen: 49.114 ng  
RT: 6.275 min Scan# 713  
Delta R.T. -0.000 min  
Lab File: BF133213.D  
Acq: 03 May 2023 18:16

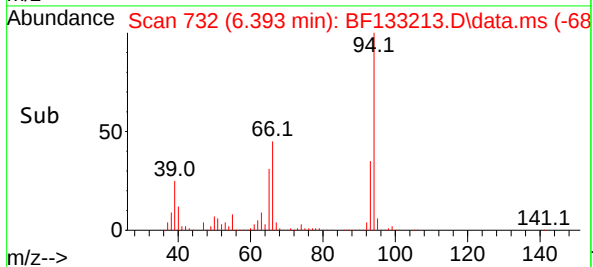
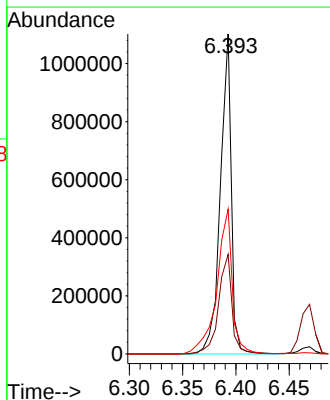
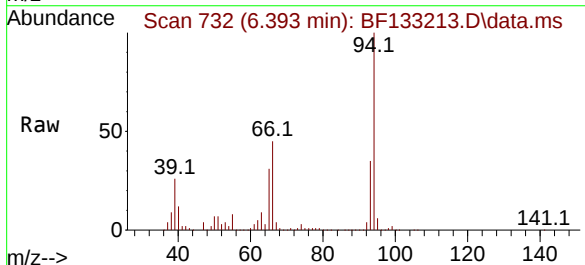
Instrument :  
BNA\_F  
ClientSampleId :  
ZONE-A-6-9-05022023MS

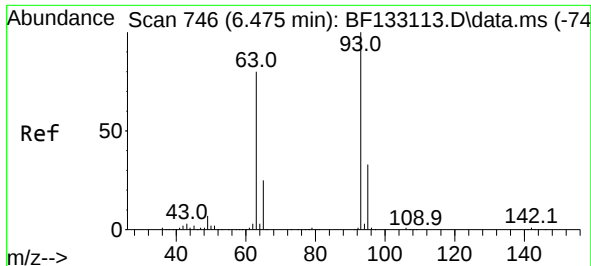
Tgt Ion: 77 Resp: 359736  
Ion Ratio Lower Upper  
77 100  
105 101.3 82.3 122.3  
106 99.9 80.8 120.8



#10  
Phenol  
Concen: 41.417 ng  
RT: 6.393 min Scan# 732  
Delta R.T. 0.006 min  
Lab File: BF133213.D  
Acq: 03 May 2023 18:16

Tgt Ion: 94 Resp: 784004  
Ion Ratio Lower Upper  
94 100  
65 31.1 8.6 48.6  
66 45.2 17.3 57.3

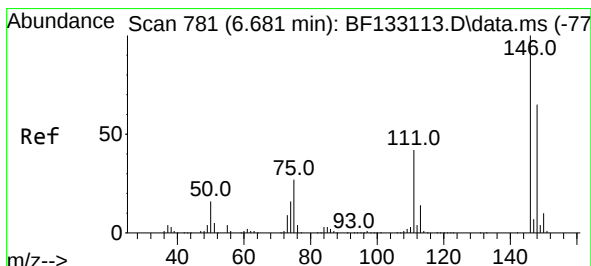
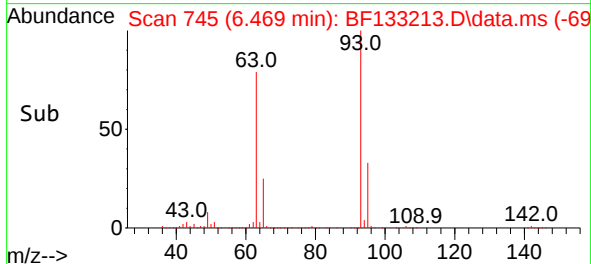
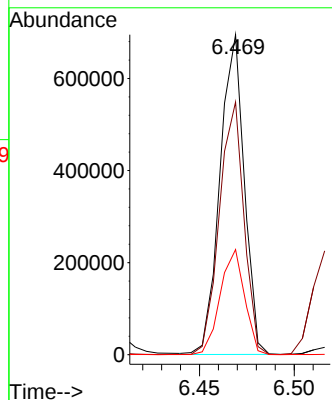
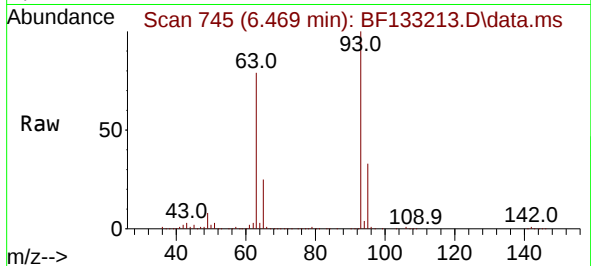




#11  
bis(2-Chloroethyl)ether  
Concen: 43.609 ng  
RT: 6.469 min Scan# 746  
Delta R.T. -0.000 min  
Lab File: BF133213.D  
Acq: 03 May 2023 18:16

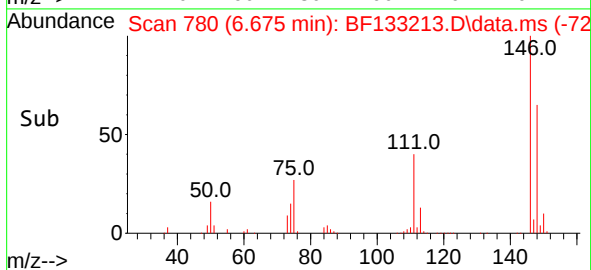
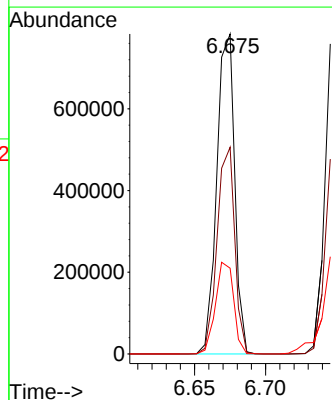
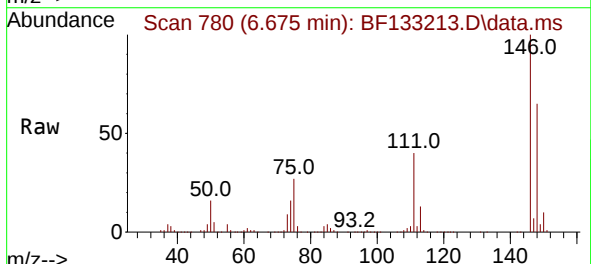
Instrument :  
BNA\_F  
ClientSampleId :  
ZONE-A-6-9-05022023MS

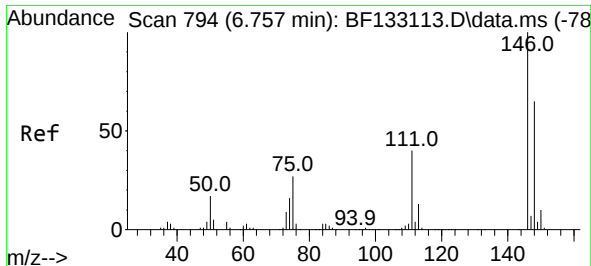
Tgt Ion: 93 Resp: 619464  
Ion Ratio Lower Upper  
93 100  
63 78.9 60.6 100.6  
95 32.9 12.9 52.9



#12  
1,3-Dichlorobenzene  
Concen: 45.831 ng  
RT: 6.675 min Scan# 780  
Delta R.T. -0.000 min  
Lab File: BF133213.D  
Acq: 03 May 2023 18:16

Tgt Ion:146 Resp: 683938  
Ion Ratio Lower Upper  
146 100  
148 64.6 51.0 76.4  
75 26.8 24.8 37.2





#13

1,4-Dichlorobenzene

Concen: 46.389 ng

RT: 6.751 min Scan# 794

Delta R.T. -0.000 min

Lab File: BF133213.D

Acq: 03 May 2023 18:16

Instrument :

BNA\_F

ClientSampleId :

ZONE-A-6-9-05022023MS

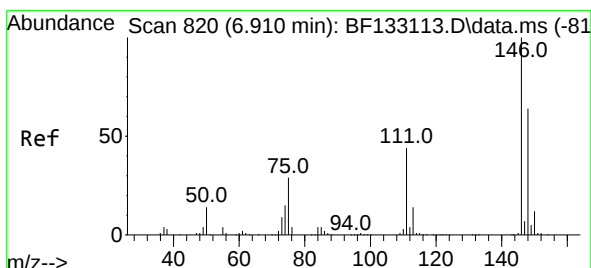
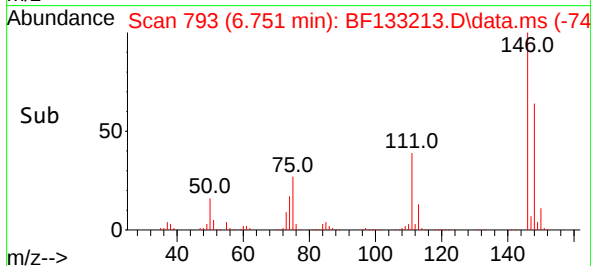
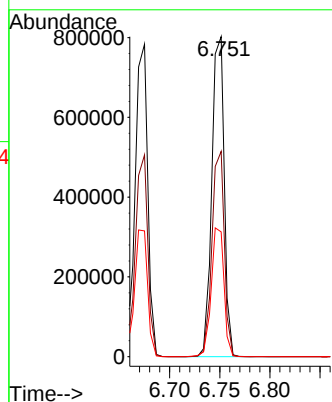
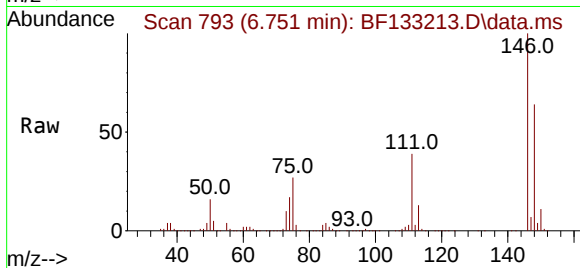
Tgt Ion:146 Resp: 693809

Ion Ratio Lower Upper

146 100

148 64.1 50.3 75.5

111 39.0 33.8 50.6



#14

1,2-Dichlorobenzene

Concen: 48.364 ng

RT: 6.898 min Scan# 818

Delta R.T. -0.006 min

Lab File: BF133213.D

Acq: 03 May 2023 18:16

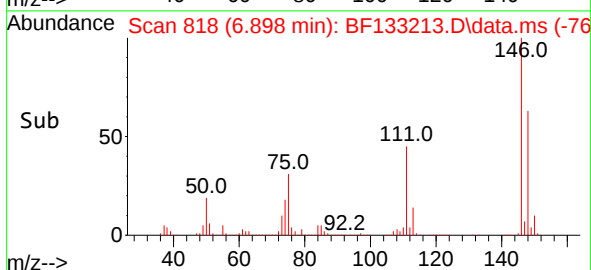
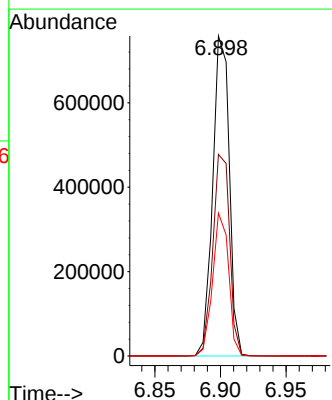
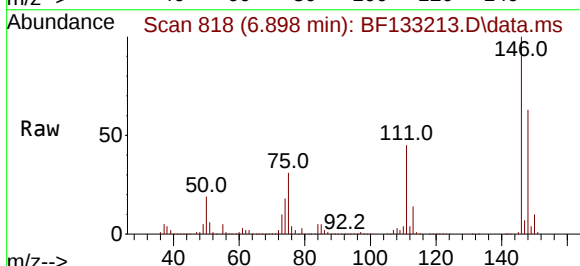
Tgt Ion:146 Resp: 666870

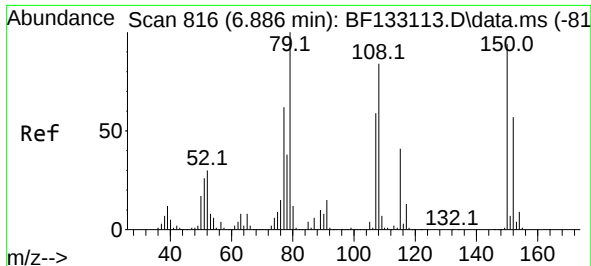
Ion Ratio Lower Upper

146 100

148 63.0 52.2 78.2

111 44.6 32.8 49.2

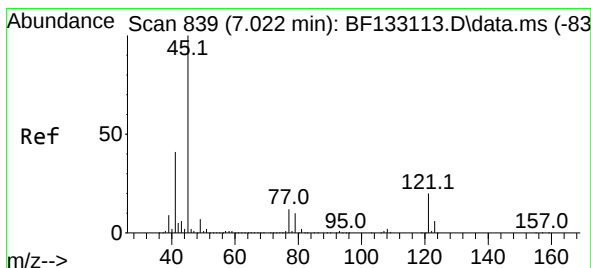
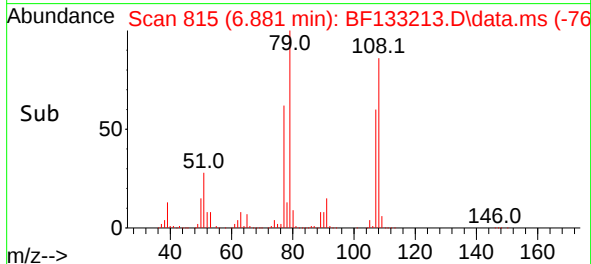
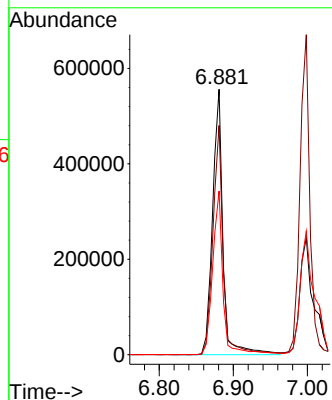
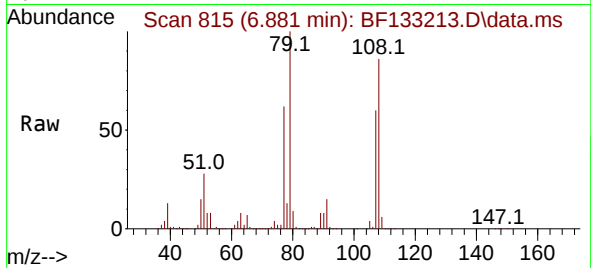




#15  
Benzyl Alcohol  
Concen: 45.589 ng  
RT: 6.881 min Scan# 815  
Delta R.T. -0.000 min  
Lab File: BF133213.D  
Acq: 03 May 2023 18:16

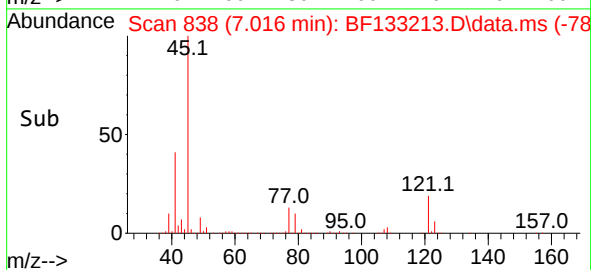
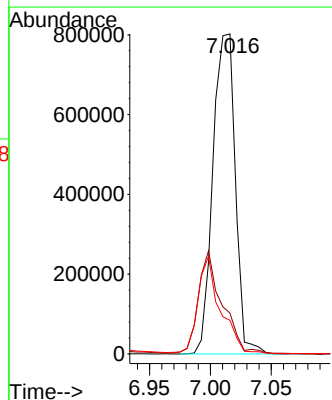
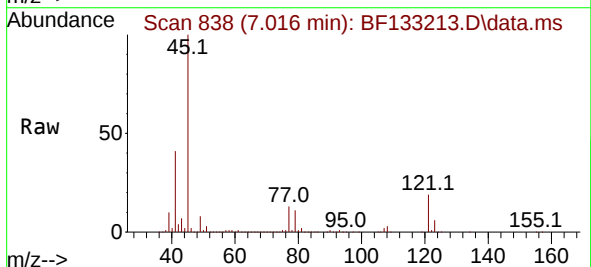
Instrument :  
BNA\_F  
ClientSampleId :  
ZONE-A-6-9-05022023MS

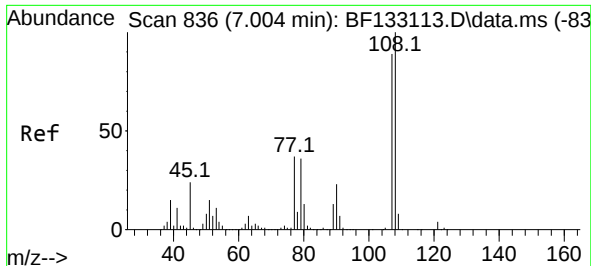
Tgt Ion: 79 Resp: 540350  
Ion Ratio Lower Upper  
79 100  
108 86.4 66.6 99.8  
77 61.7 49.2 73.8



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 41.648 ng  
RT: 7.016 min Scan# 838  
Delta R.T. -0.000 min  
Lab File: BF133213.D  
Acq: 03 May 2023 18:16

Tgt Ion: 45 Resp: 1027530  
Ion Ratio Lower Upper  
45 100  
77 12.7 0.0 31.5  
79 10.5 0.0 28.7

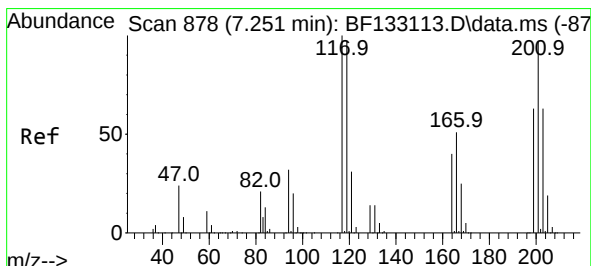
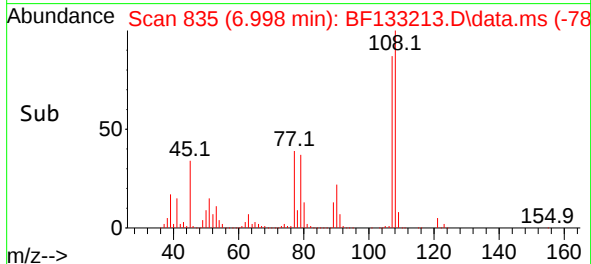
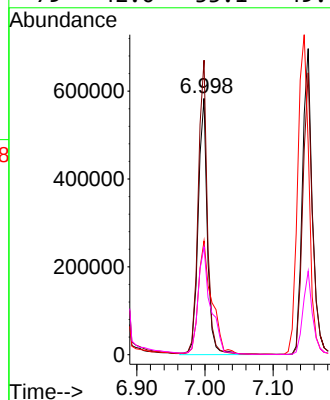
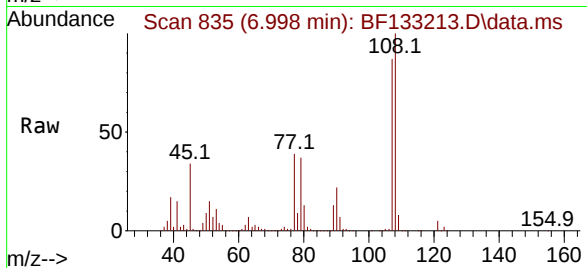




#17  
2-Methylphenol  
Concen: 42.705 ng  
RT: 6.998 min Scan# 81  
Delta R.T. 0.006 min  
Lab File: BF133213.D  
Acq: 03 May 2023 18:16

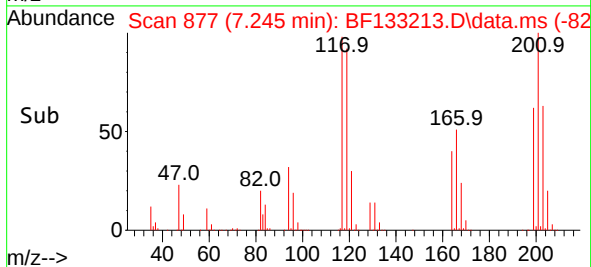
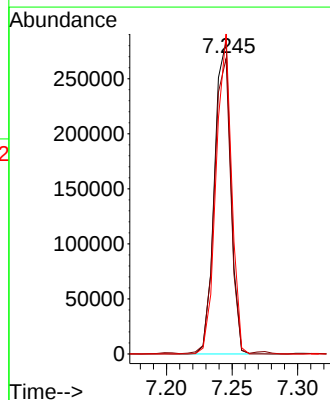
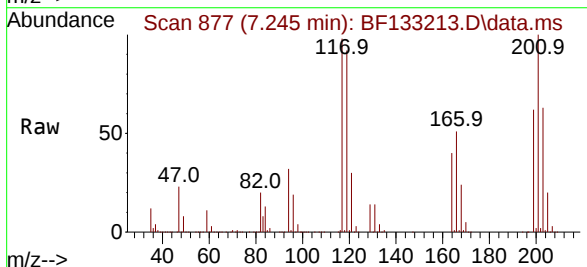
Instrument :  
BNA\_F  
ClientSampleId :  
ZONE-A-6-9-05022023MS

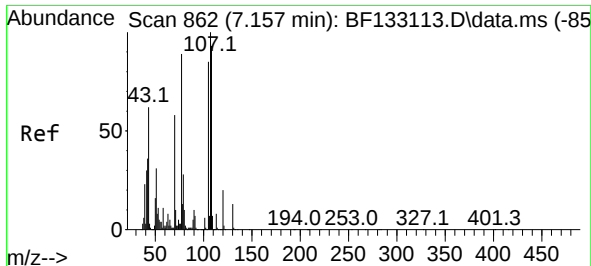
Tgt Ion:107 Resp: 548869  
Ion Ratio Lower Upper  
107 100  
108 114.9 92.4 138.6  
77 44.4 33.8 50.8  
79 42.0 33.1 49.7



#18  
Hexachloroethane  
Concen: 47.408 ng  
RT: 7.245 min Scan# 877  
Delta R.T. -0.000 min  
Lab File: BF133213.D  
Acq: 03 May 2023 18:16

Tgt Ion:117 Resp: 246511  
Ion Ratio Lower Upper  
117 100  
119 94.5 78.2 117.4  
201 102.3 81.7 122.5

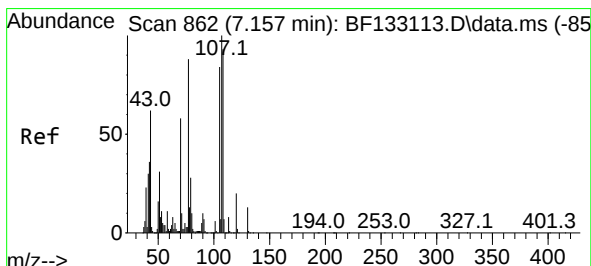
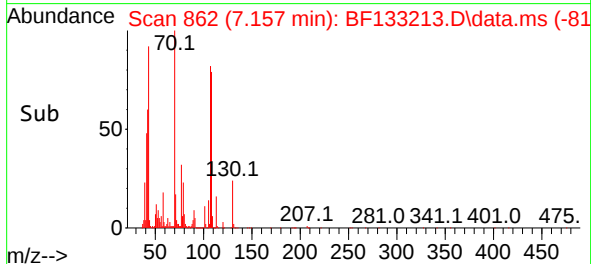
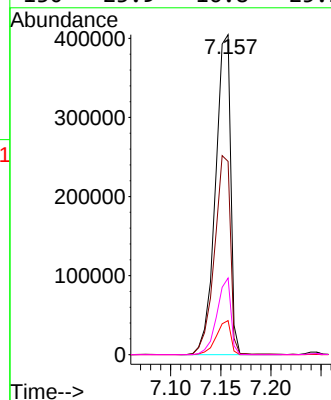
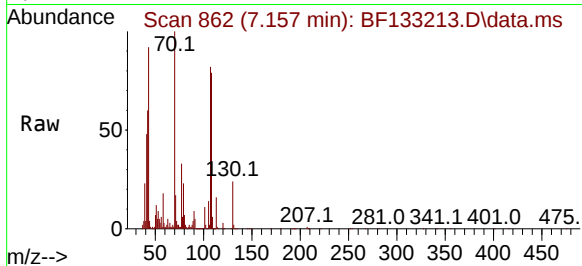




#19  
n-Nitroso-di-n-propylamine  
Concen: 39.919 ng  
RT: 7.157 min Scan# 80  
Delta R.T. 0.006 min  
Lab File: BF133213.D  
Acq: 03 May 2023 18:16

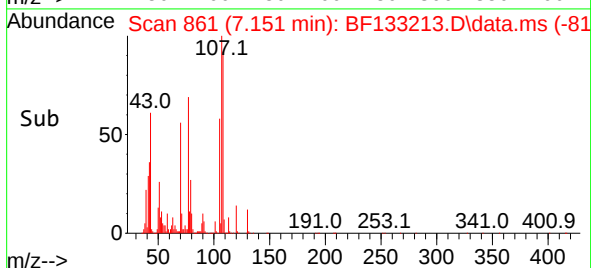
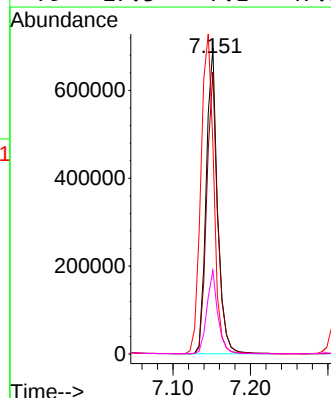
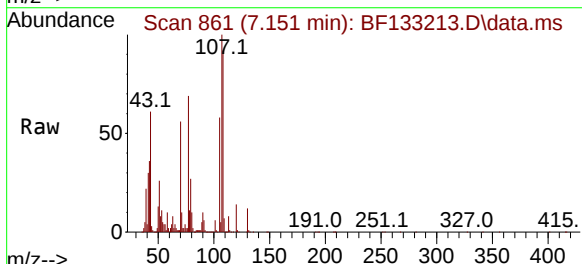
Instrument :  
BNA\_F  
ClientSampleId :  
ZONE-A-6-9-05022023MS

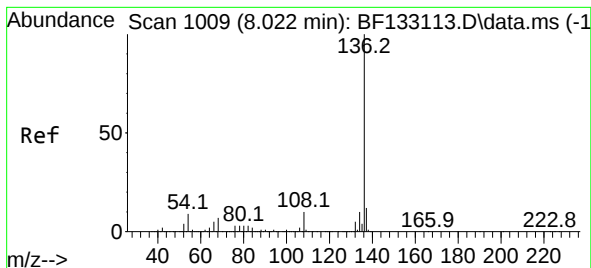
Tgt Ion: 70 Resp: 426432  
Ion Ratio Lower Upper  
70 100  
42 60.4 51.8 77.6  
101 10.6 8.0 12.0  
130 23.9 16.8 25.2



#20  
3+4-Methylphenols  
Concen: 46.428 ng  
RT: 7.151 min Scan# 861  
Delta R.T. -0.000 min  
Lab File: BF133213.D  
Acq: 03 May 2023 18:16

Tgt Ion: 107 Resp: 702734  
Ion Ratio Lower Upper  
107 100  
108 92.1 70.5 110.5  
77 68.8 91.7 131.7#  
79 27.3 7.1 47.1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.016 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF133213.D

Acq: 03 May 2023 18:16

Instrument :

BNA\_F

ClientSampleId :

ZONE-A-6-9-05022023MS

Tgt Ion:136 Resp: 864126

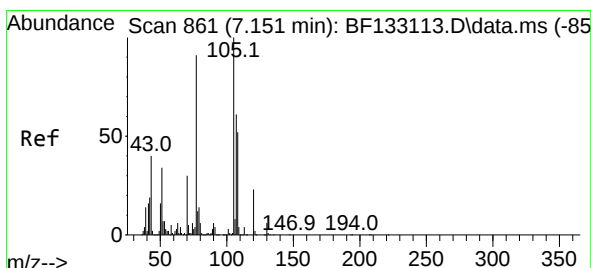
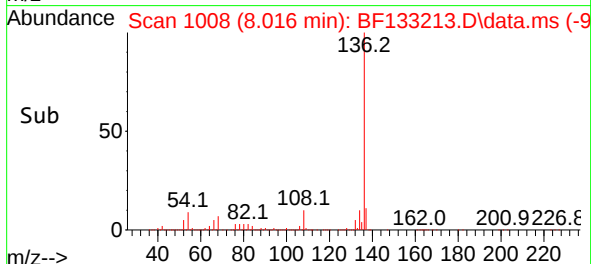
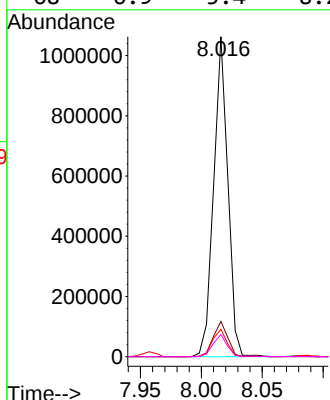
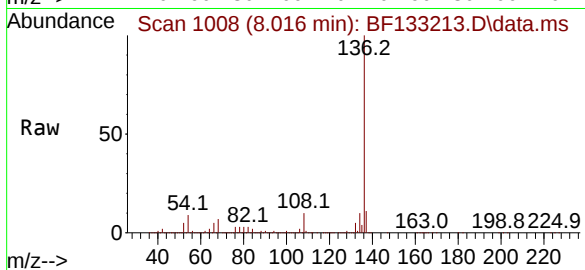
Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 8.5 7.0 10.4

68 6.9 5.4 8.2



#22

Acetophenone

Concen: 43.143 ng

RT: 7.145 min Scan# 860

Delta R.T. -0.000 min

Lab File: BF133213.D

Acq: 03 May 2023 18:16

Tgt Ion:105 Resp: 863610

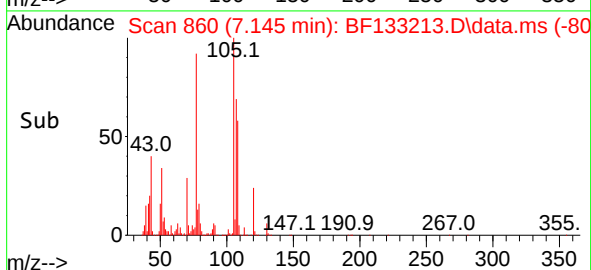
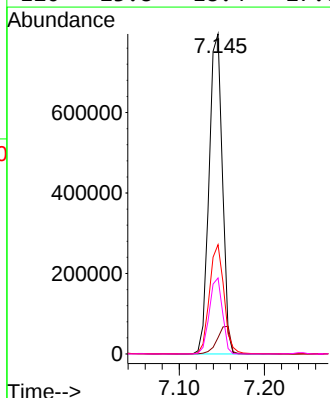
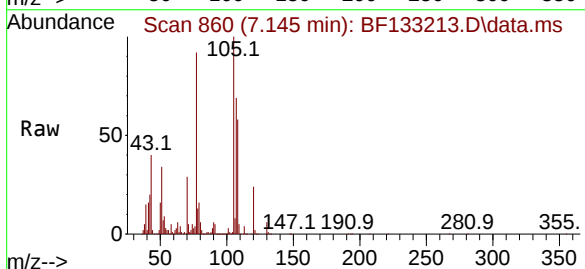
Ion Ratio Lower Upper

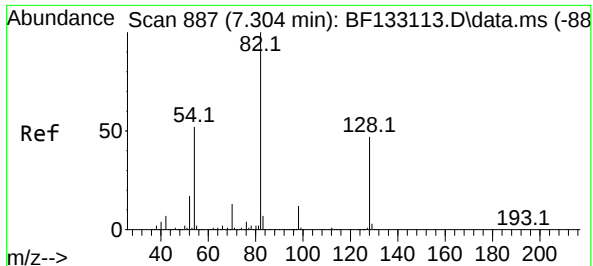
105 100

71 5.1 4.6 7.0

51 34.1 28.2 42.2

120 23.8 18.4 27.6





#23

Nitrobenzene-d5

Concen: 70.710 ng

RT: 7.298 min Scan# 886

Delta R.T. -0.000 min

Lab File: BF133213.D

Acq: 03 May 2023 18:16

Instrument :

BNA\_F

ClientSampleId :

ZONE-A-6-9-05022023MS

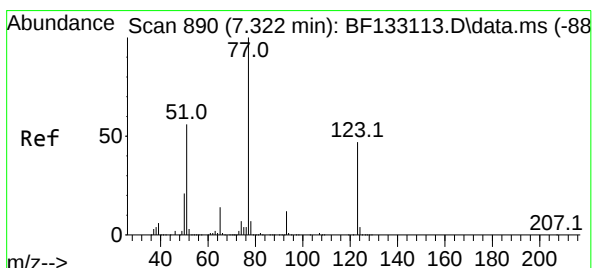
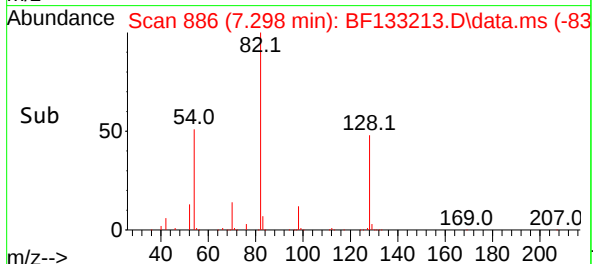
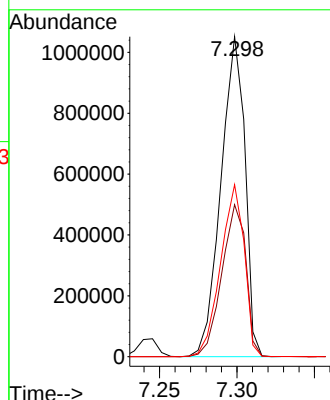
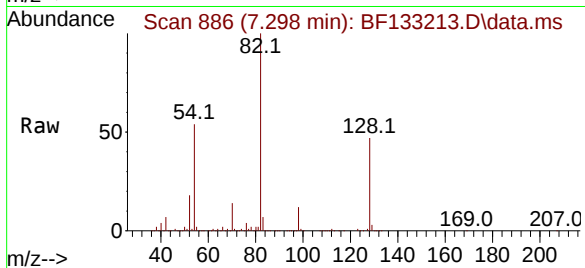
Tgt Ion: 82 Resp: 1132006

Ion Ratio Lower Upper

82 100

128 47.5 37.7 56.5

54 53.8 43.0 64.4



#24

Nitrobenzene

Concen: 41.150 ng

RT: 7.316 min Scan# 889

Delta R.T. -0.000 min

Lab File: BF133213.D

Acq: 03 May 2023 18:16

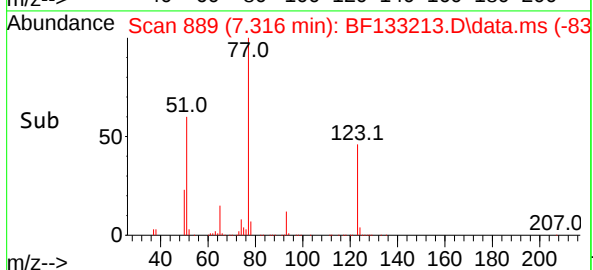
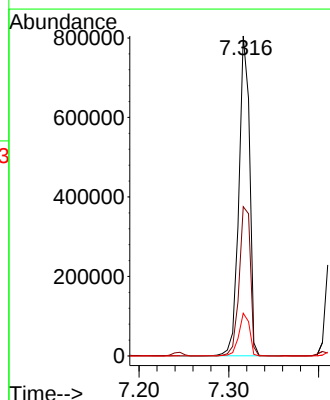
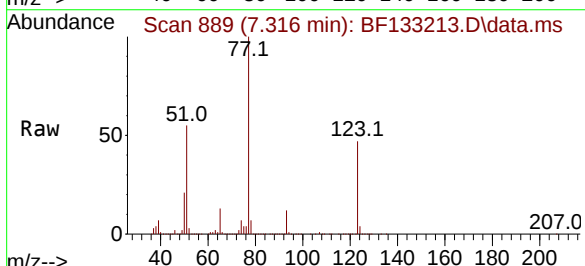
Tgt Ion: 77 Resp: 667552

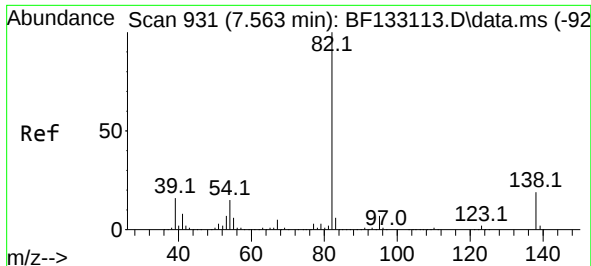
Ion Ratio Lower Upper

77 100

123 46.7 39.9 59.9

65 13.4 10.7 16.1

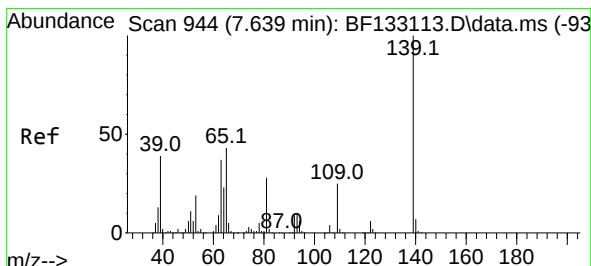
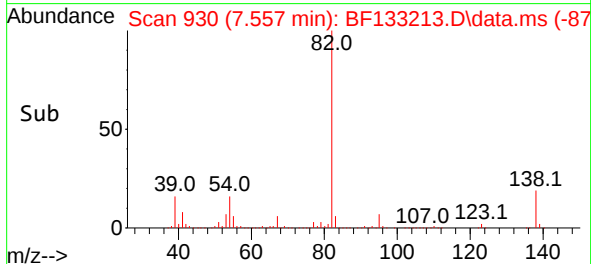
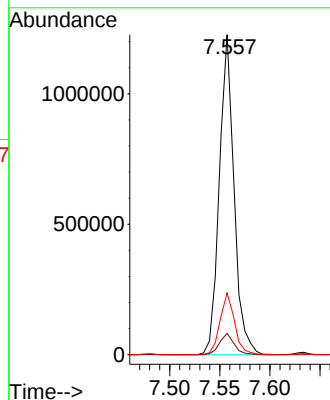
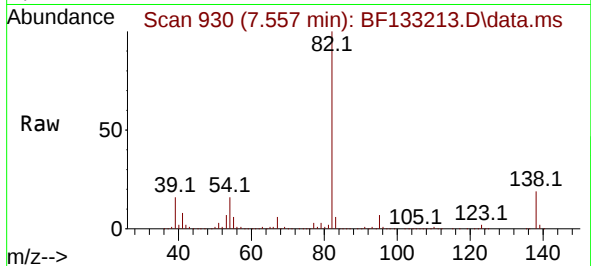




#25  
Isophorone  
Concen: 41.202 ng  
RT: 7.557 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: BF133213.D  
Acq: 03 May 2023 18:16

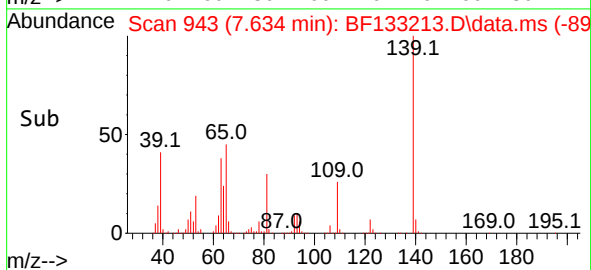
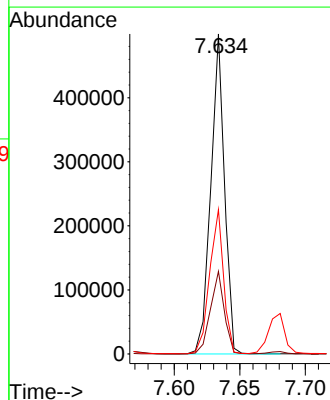
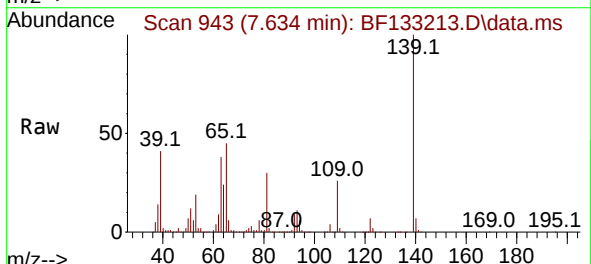
Instrument :  
BNA\_F  
ClientSampleId :  
ZONE-A-6-9-05022023MS

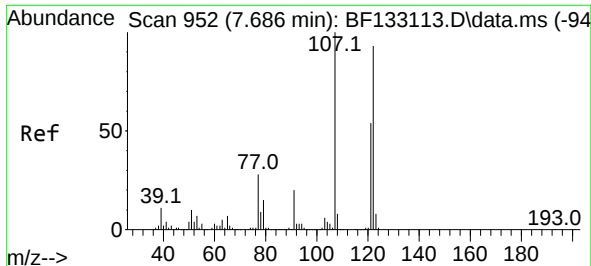
Tgt Ion: 82 Resp: 1252366  
Ion Ratio Lower Upper  
82 100  
95 6.7 5.4 8.0  
138 19.3 16.0 24.0



#26  
2-Nitrophenol  
Concen: 46.581 ng  
RT: 7.634 min Scan# 943  
Delta R.T. -0.000 min  
Lab File: BF133213.D  
Acq: 03 May 2023 18:16

Tgt Ion:139 Resp: 364478  
Ion Ratio Lower Upper  
139 100  
109 25.8 21.6 32.4  
65 45.1 39.8 59.6





#27

2,4-Dimethylphenol

Concen: 44.687 ng

RT: 7.681 min Scan# 91

Delta R.T. 0.006 min

Lab File: BF133213.D

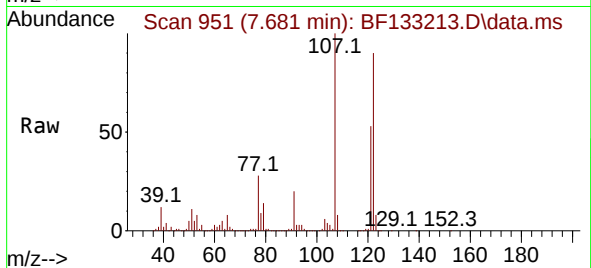
Acq: 03 May 2023 18:16

Instrument :

BNA\_F

ClientSampleId :

ZONE-A-6-9-05022023MS



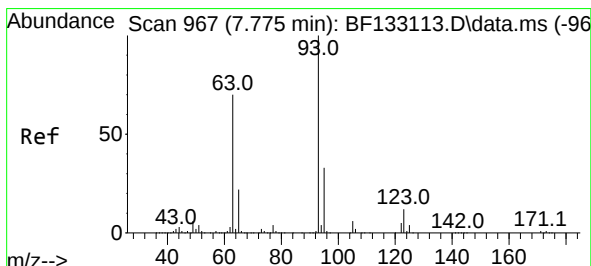
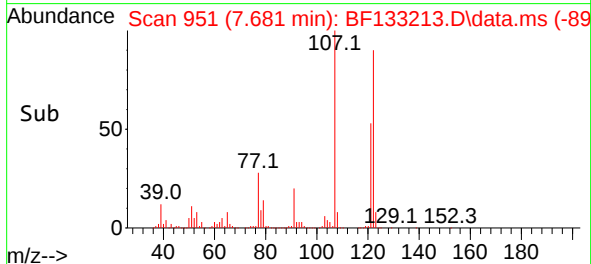
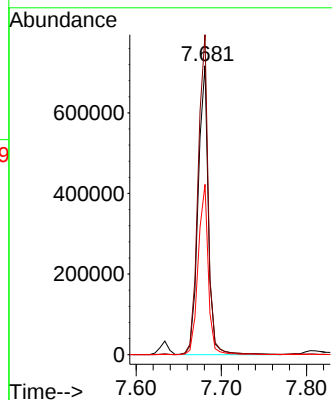
Tgt Ion:122 Resp: 599568

Ion Ratio Lower Upper

122 100

107 110.8 89.7 134.5

121 58.9 46.0 69.0



#28

bis(2-Chloroethoxy)methane

Concen: 41.726 ng

RT: 7.769 min Scan# 966

Delta R.T. -0.000 min

Lab File: BF133213.D

Acq: 03 May 2023 18:16

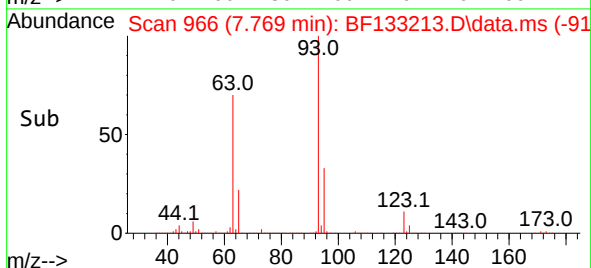
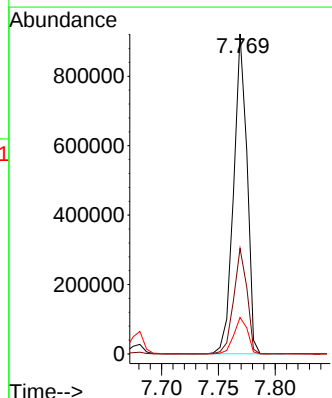
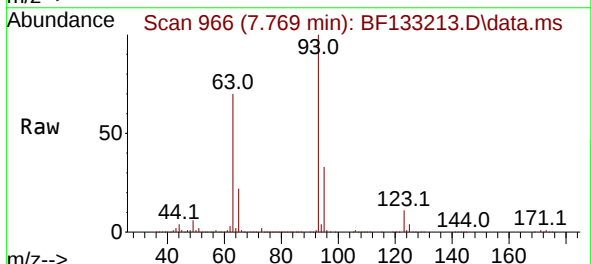
Tgt Ion: 93 Resp: 750308

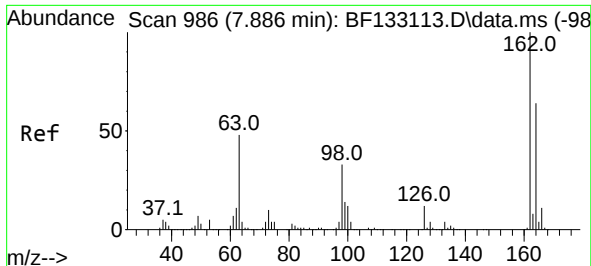
Ion Ratio Lower Upper

93 100

95 33.0 26.4 39.6

123 11.4 10.3 15.5





#29

2,4-Dichlorophenol

Concen: 44.530 ng

RT: 7.881 min Scan# 986

Delta R.T. 0.006 min

Lab File: BF133213.D

Acq: 03 May 2023 18:16

Instrument :

BNA\_F

ClientSampleId :

ZONE-A-6-9-05022023MS

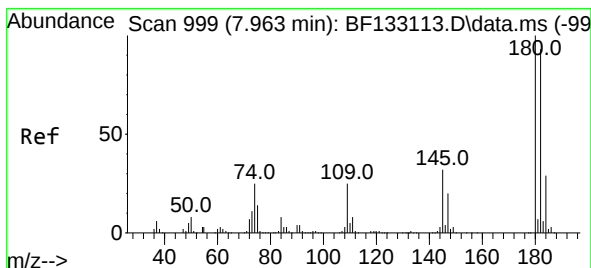
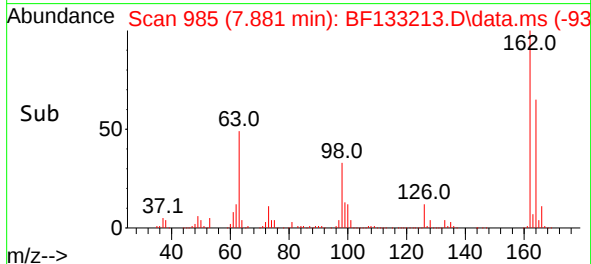
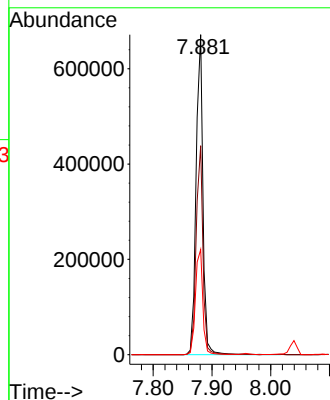
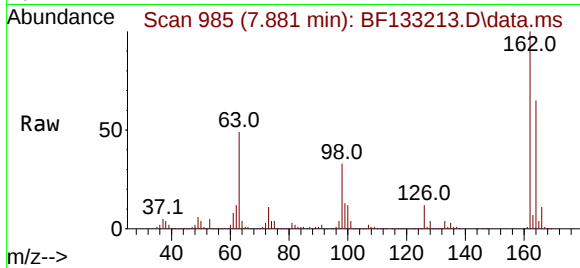
Tgt Ion:162 Resp: 543897

Ion Ratio Lower Upper

162 100

164 65.3 43.9 83.9

98 32.9 17.0 57.0



#30

1,2,4-Trichlorobenzene

Concen: 44.108 ng

RT: 7.957 min Scan# 998

Delta R.T. -0.000 min

Lab File: BF133213.D

Acq: 03 May 2023 18:16

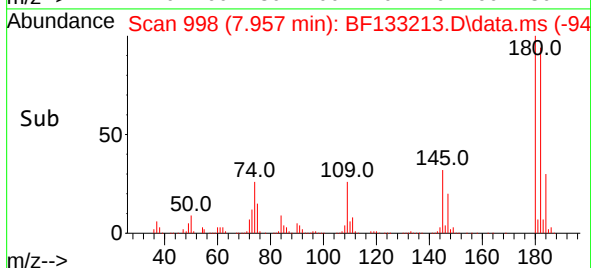
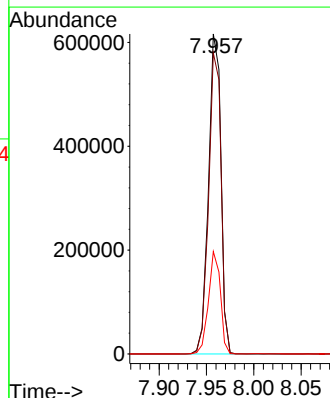
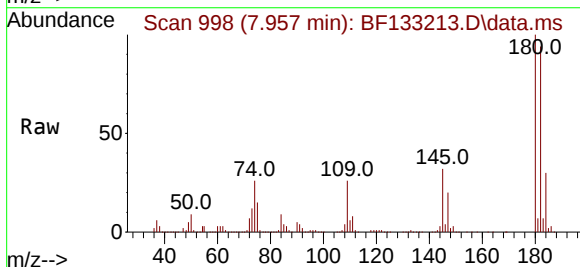
Tgt Ion:180 Resp: 558130

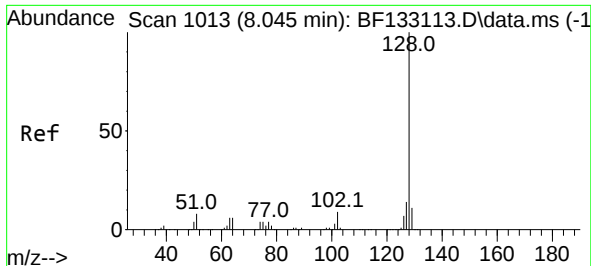
Ion Ratio Lower Upper

180 100

182 94.1 75.9 113.9

145 32.0 25.3 37.9

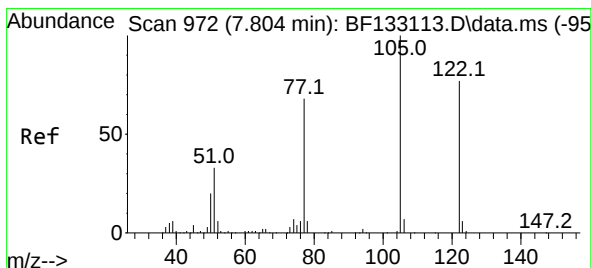
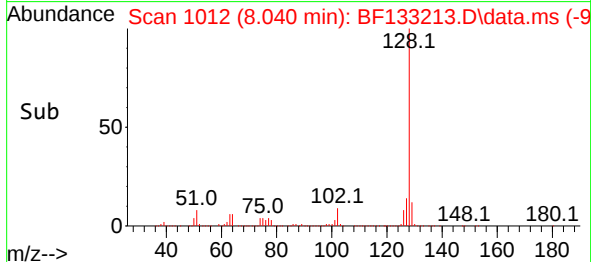
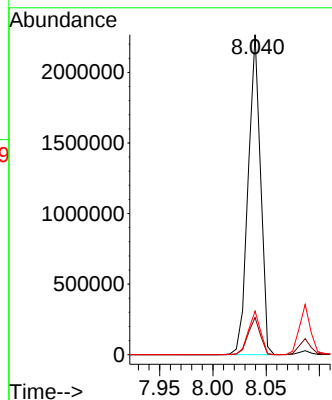
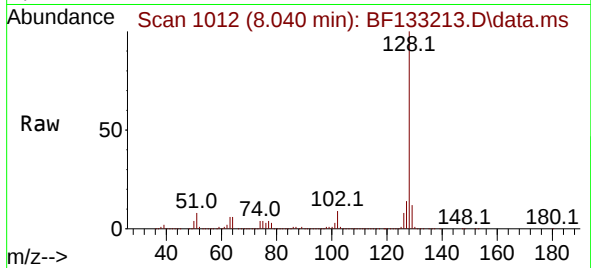




#31  
Naphthalene  
Concen: 42.461 ng  
RT: 8.040 min Scan# 1013  
Delta R.T. -0.000 min  
Lab File: BF133213.D  
Acq: 03 May 2023 18:16

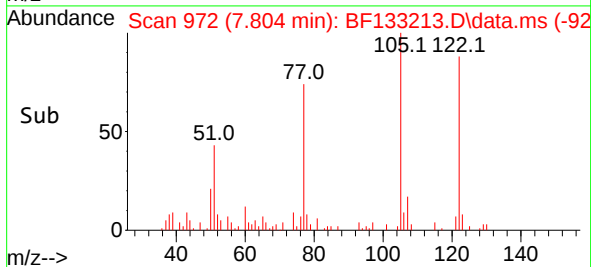
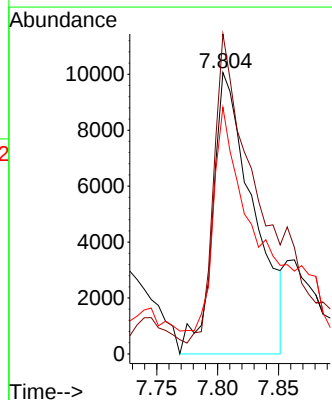
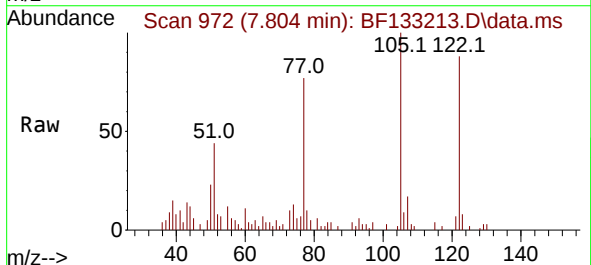
Instrument :  
BNA\_F  
ClientSampleId :  
ZONE-A-6-9-05022023MS

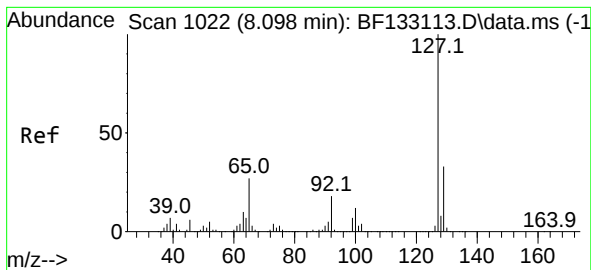
Tgt Ion:128 Resp: 1834448  
Ion Ratio Lower Upper  
128 100  
129 11.6 8.8 13.2  
127 13.6 10.7 16.1



#32  
Benzoic acid  
Concen: 2.793 ng  
RT: 7.804 min Scan# 972  
Delta R.T. 0.006 min  
Lab File: BF133213.D  
Acq: 03 May 2023 18:16

Tgt Ion:122 Resp: 23145  
Ion Ratio Lower Upper  
122 100  
105 113.7 104.2 144.2  
77 87.6 69.7 109.7





#33

4-Chloroaniline

Concen: 15.505 ng

RT: 8.087 min Scan# 1020

Delta R.T. -0.000 min

Lab File: BF133213.D

Acq: 03 May 2023 18:16

Instrument :

BNA\_F

ClientSampleId :

ZONE-A-6-9-05022023MS

Tgt Ion:127 Resp: 270652

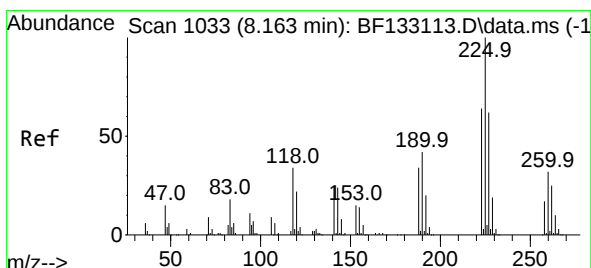
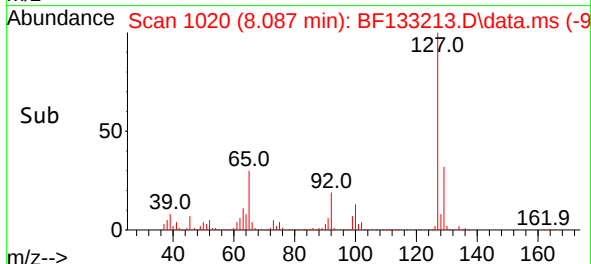
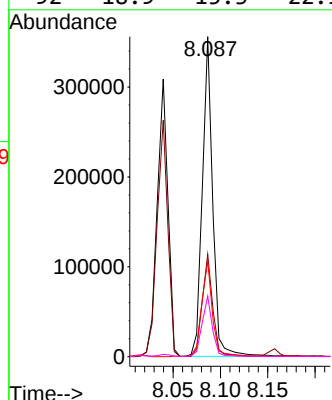
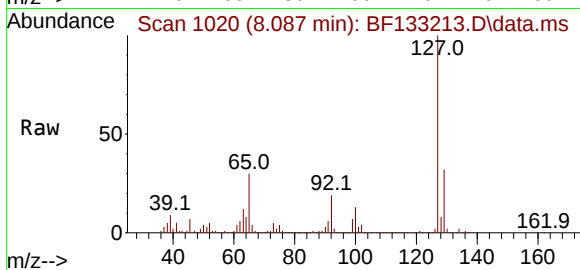
Ion Ratio Lower Upper

127 100

129 32.0 25.8 38.8

65 29.9 23.6 35.4

92 18.9 15.3 22.9



#34

Hexachlorobutadiene

Concen: 43.981 ng

RT: 8.157 min Scan# 1032

Delta R.T. -0.000 min

Lab File: BF133213.D

Acq: 03 May 2023 18:16

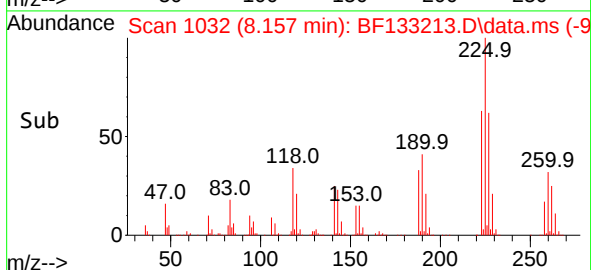
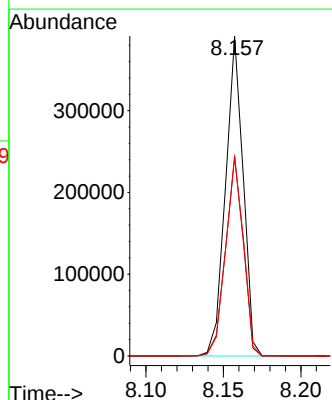
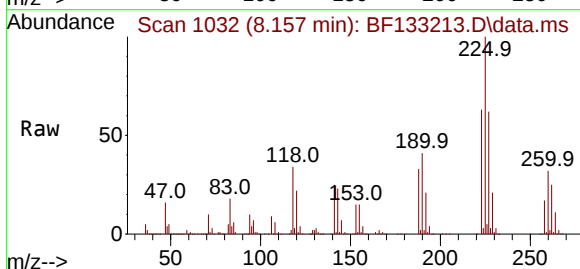
Tgt Ion:225 Resp: 308452

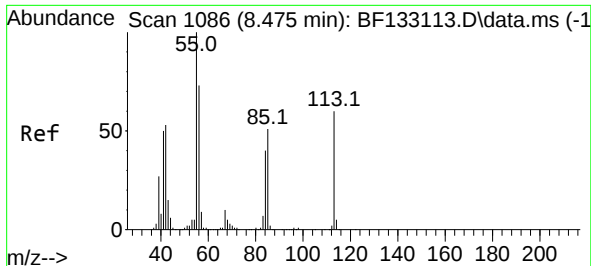
Ion Ratio Lower Upper

225 100

223 62.5 50.9 76.3

227 62.1 50.3 75.5

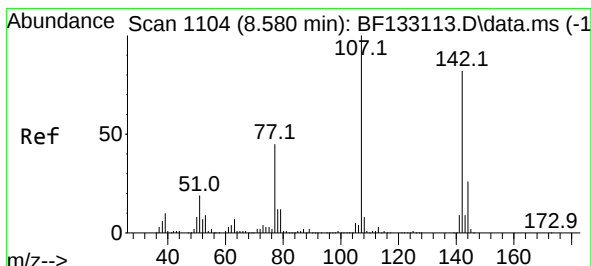
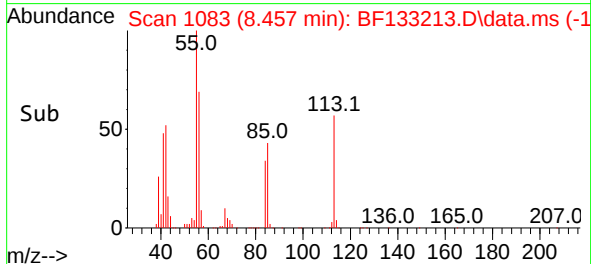
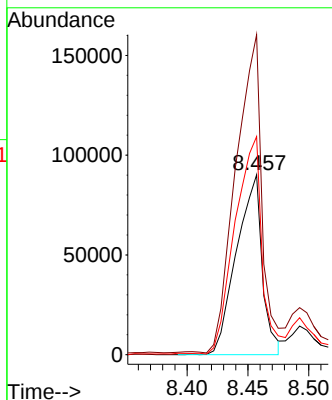
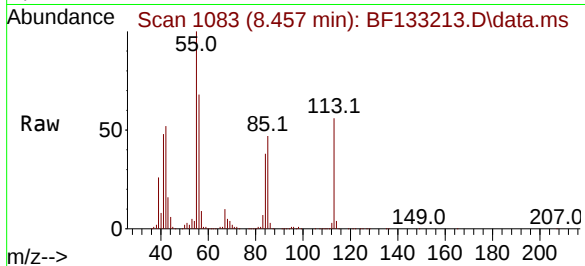




#35  
 Caprolactam  
 Concen: 32.312 ng  
 RT: 8.457 min Scan# 1086  
 Delta R.T. -0.006 min  
 Lab File: BF133213.D  
 Acq: 03 May 2023 18:16

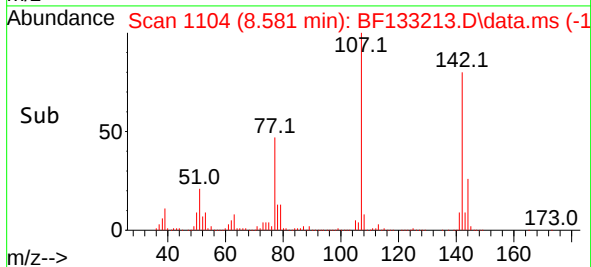
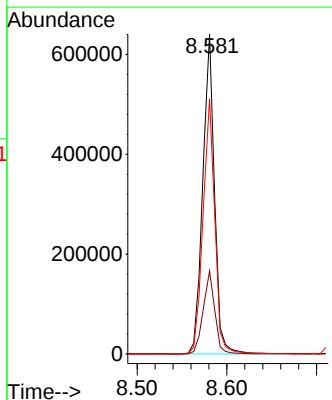
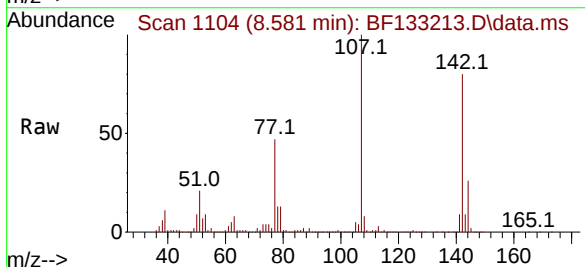
Instrument :  
 BNA\_F  
 ClientSampleId :  
 ZONE-A-6-9-05022023MS

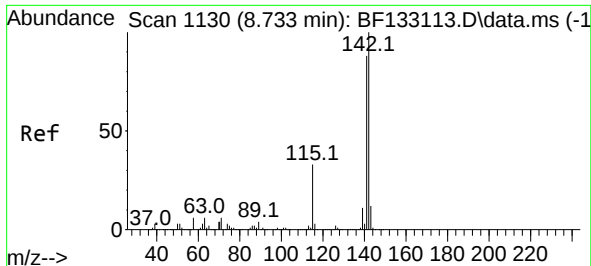
Tgt Ion:113 Resp: 132582  
 Ion Ratio Lower Upper  
 113 100  
 55 178.0 167.1 207.1  
 56 121.3 114.5 154.5



#36  
 4-Chloro-3-methylphenol  
 Concen: 44.266 ng  
 RT: 8.581 min Scan# 1104  
 Delta R.T. 0.006 min  
 Lab File: BF133213.D  
 Acq: 03 May 2023 18:16

Tgt Ion:107 Resp: 583045  
 Ion Ratio Lower Upper  
 107 100  
 144 26.0 20.6 30.8  
 142 79.7 62.8 94.2

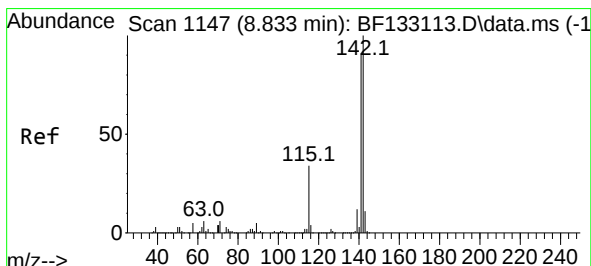
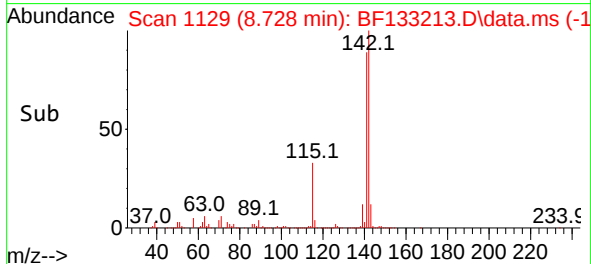
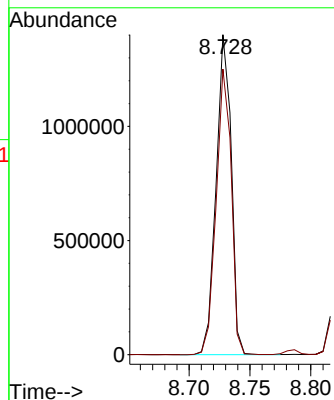
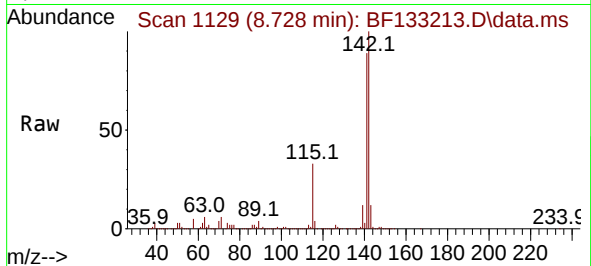




#37  
2-Methylnaphthalene  
Concen: 41.101 ng  
RT: 8.728 min Scan# 1129  
Delta R.T. -0.000 min  
Lab File: BF133213.D  
Acq: 03 May 2023 18:16

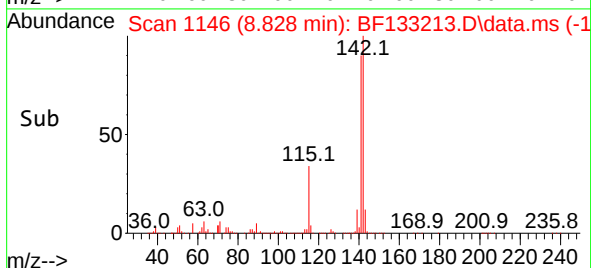
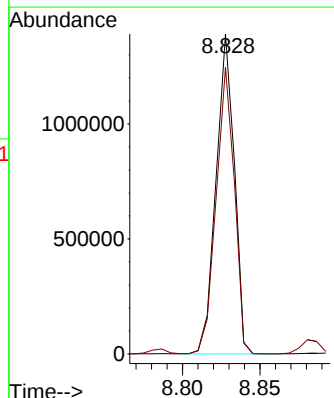
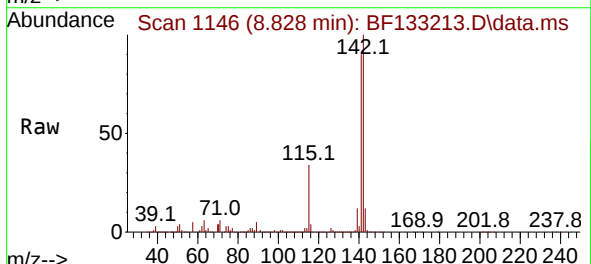
Instrument :  
BNA\_F  
ClientSampleId :  
ZONE-A-6-9-05022023MS

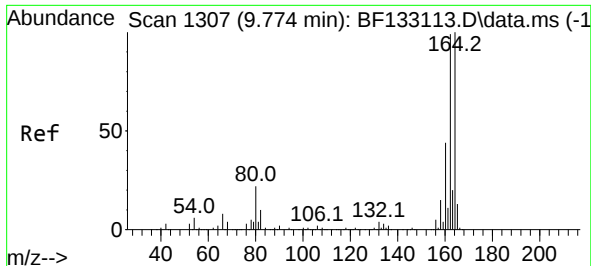
Tgt Ion:142 Resp: 1214009  
Ion Ratio Lower Upper  
142 100  
141 89.3 69.4 104.0



#38  
1-Methylnaphthalene  
Concen: 41.239 ng  
RT: 8.828 min Scan# 1146  
Delta R.T. -0.000 min  
Lab File: BF133213.D  
Acq: 03 May 2023 18:16

Tgt Ion:142 Resp: 1139489  
Ion Ratio Lower Upper  
142 100  
141 89.6 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.769 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF133213.D

Acq: 03 May 2023 18:16

Instrument :

BNA\_F

ClientSampleId :

ZONE-A-6-9-05022023MS

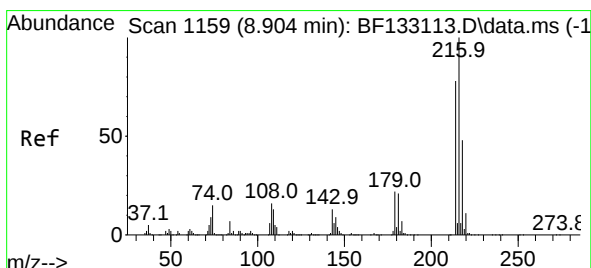
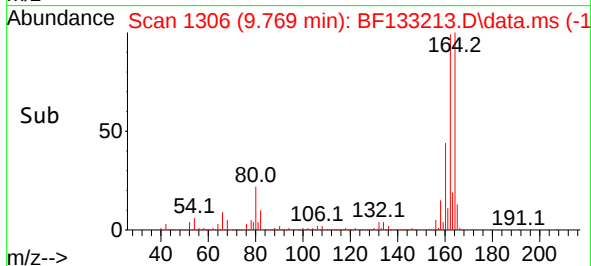
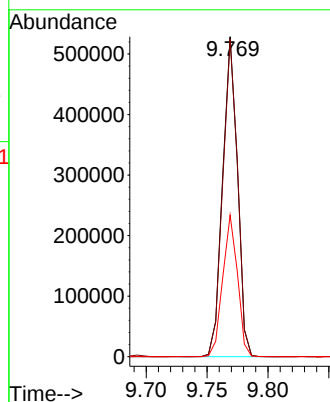
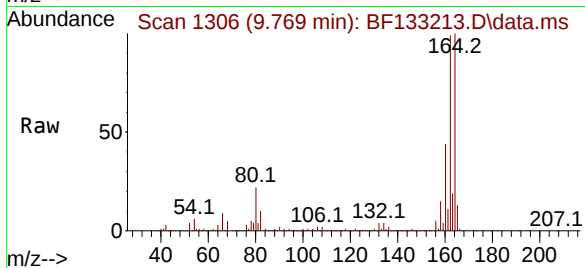
Tgt Ion:164 Resp: 447473

Ion Ratio Lower Upper

164 100

162 99.3 78.7 118.1

160 44.3 35.8 53.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 41.931 ng

RT: 8.898 min Scan# 1158

Delta R.T. -0.000 min

Lab File: BF133213.D

Acq: 03 May 2023 18:16

Tgt Ion:216 Resp: 504478

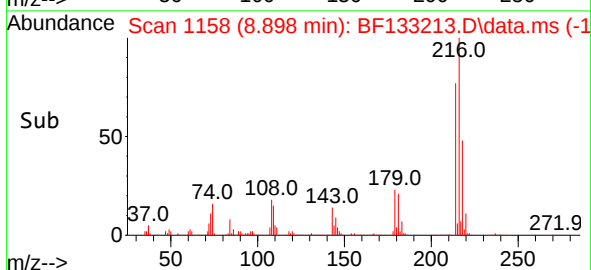
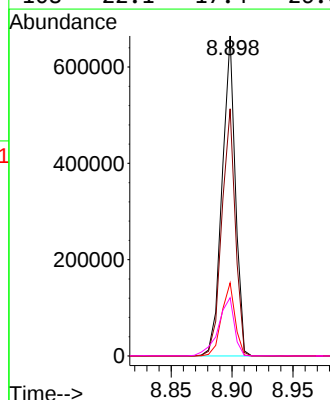
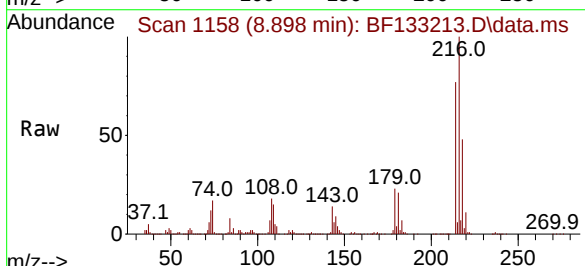
Ion Ratio Lower Upper

216 100

214 78.5 63.5 95.3

179 22.9 17.4 26.2

108 22.1 17.4 26.0

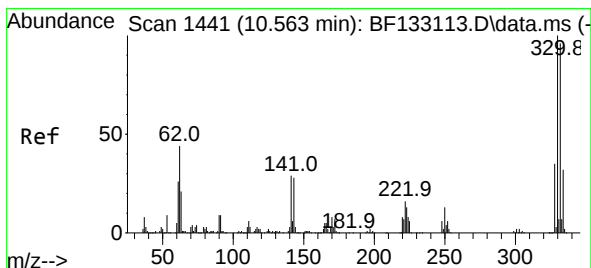
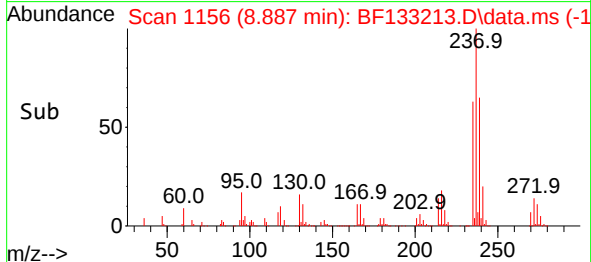
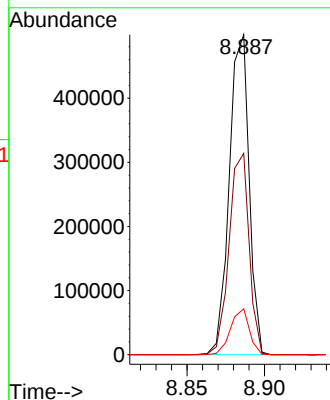
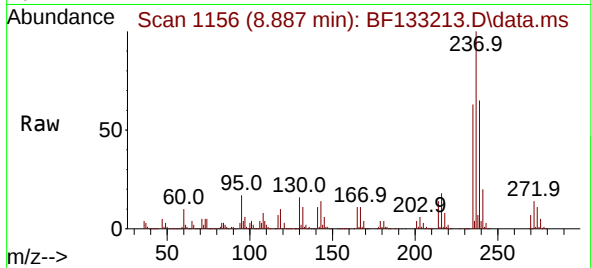




#41  
Hexachlorocyclopentadiene  
Concen: 63.306 ng  
RT: 8.887 min Scan# 1156  
Delta R.T. 0.006 min  
Lab File: BF133213.D  
Acq: 03 May 2023 18:16

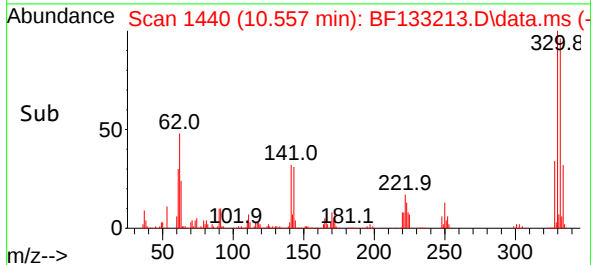
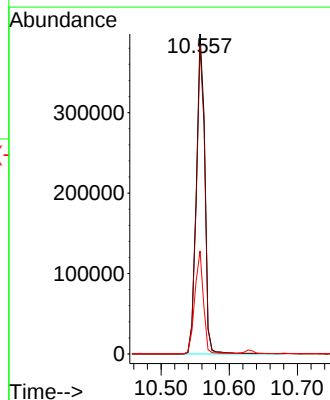
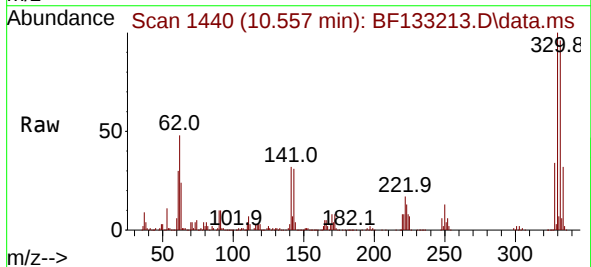
Instrument :  
BNA\_F  
ClientSampleId :  
ZONE-A-6-9-05022023MS

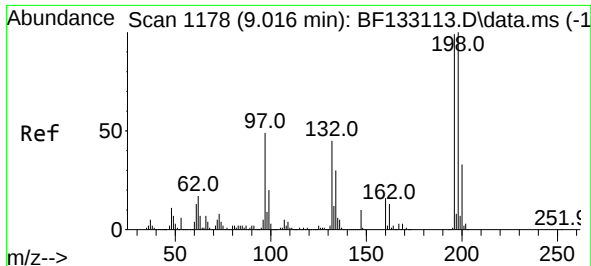
Tgt Ion:237 Resp: 444196  
Ion Ratio Lower Upper  
237 100  
235 62.9 43.5 83.5  
272 14.3 0.0 32.7



#42  
2,4,6-Tribromophenol  
Concen: 76.592 ng  
RT: 10.557 min Scan# 1440  
Delta R.T. -0.000 min  
Lab File: BF133213.D  
Acq: 03 May 2023 18:16

Tgt Ion:330 Resp: 344678  
Ion Ratio Lower Upper  
330 100  
332 95.8 77.1 115.7  
141 32.1 25.8 38.8

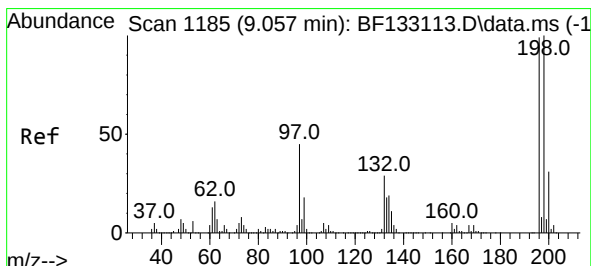
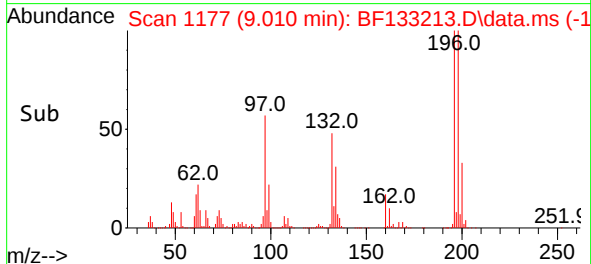
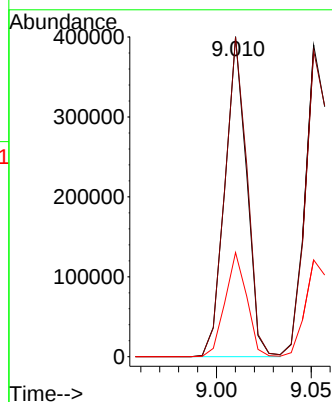
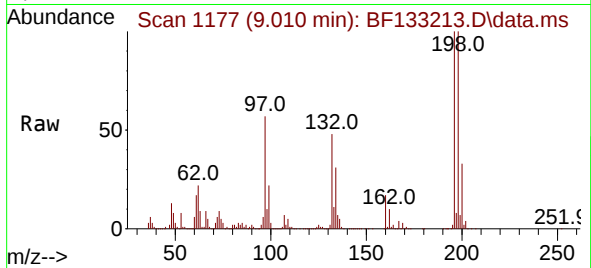




#43  
2,4,6-Trichlorophenol  
Concen: 38.481 ng  
RT: 9.010 min Scan# 1177  
Delta R.T. -0.000 min  
Lab File: BF133213.D  
Acq: 03 May 2023 18:16

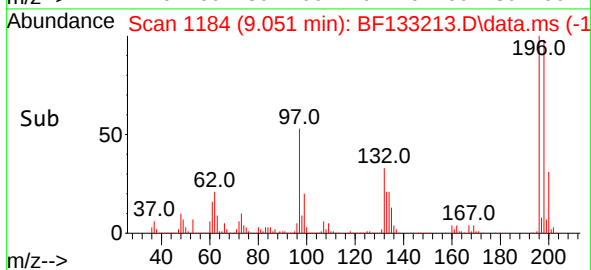
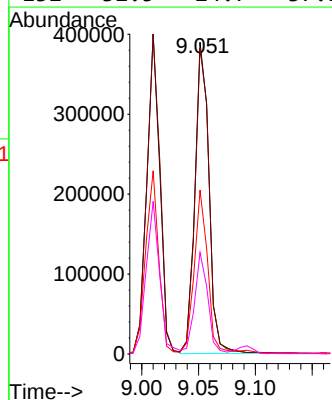
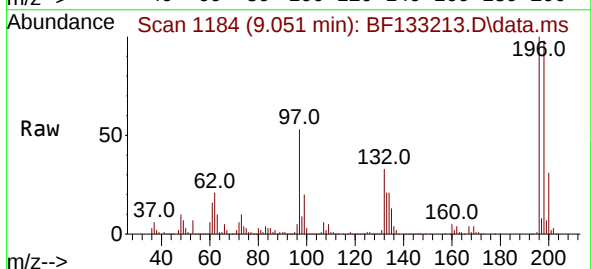
Instrument :  
BNA\_F  
ClientSampleId :  
ZONE-A-6-9-05022023MS

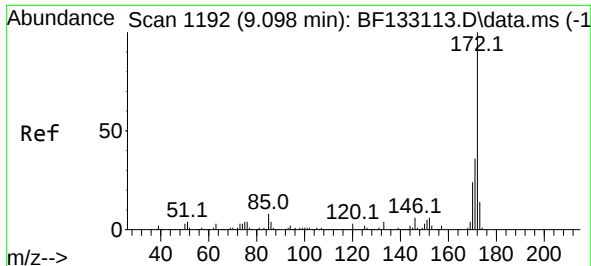
Tgt Ion:196 Resp: 320178  
Ion Ratio Lower Upper  
196 100  
198 99.9 81.0 121.6  
200 32.6 26.1 39.1



#44  
2,4,5-Trichlorophenol  
Concen: 34.899 ng  
RT: 9.051 min Scan# 1184  
Delta R.T. -0.000 min  
Lab File: BF133213.D  
Acq: 03 May 2023 18:16

Tgt Ion:196 Resp: 335825  
Ion Ratio Lower Upper  
196 100  
198 98.2 80.9 121.3  
97 52.6 41.3 61.9  
132 32.5 24.7 37.1





#45

2-Fluorobiphenyl

Concen: 68.849 ng

RT: 9.092 min Scan# 1191

Delta R.T. -0.000 min

Lab File: BF133213.D

Acq: 03 May 2023 18:16

Instrument :

BNA\_F

ClientSampleId :

ZONE-A-6-9-05022023MS

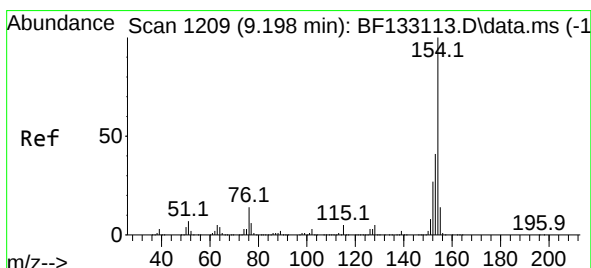
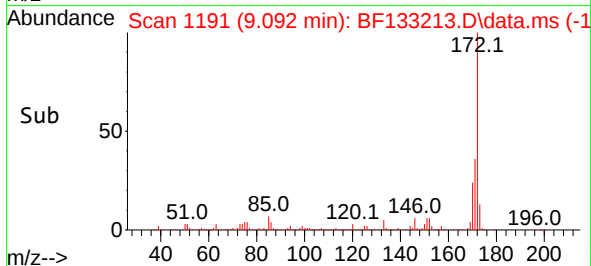
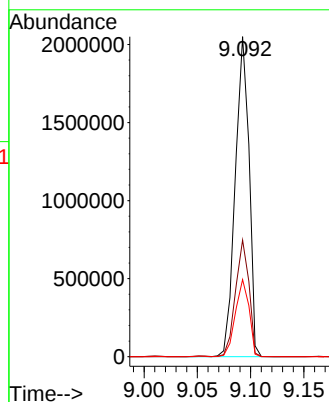
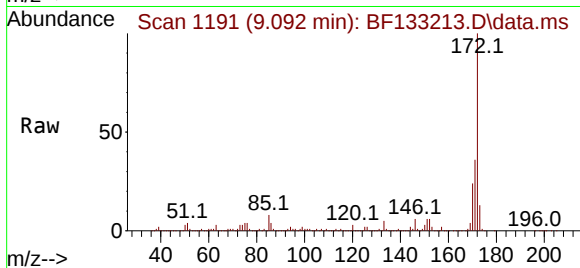
Tgt Ion:172 Resp: 1841490

Ion Ratio Lower Upper

172 100

171 36.5 28.8 43.2

170 24.1 19.4 29.2



#46

1,1'-Biphenyl

Concen: 41.719 ng

RT: 9.192 min Scan# 1208

Delta R.T. -0.000 min

Lab File: BF133213.D

Acq: 03 May 2023 18:16

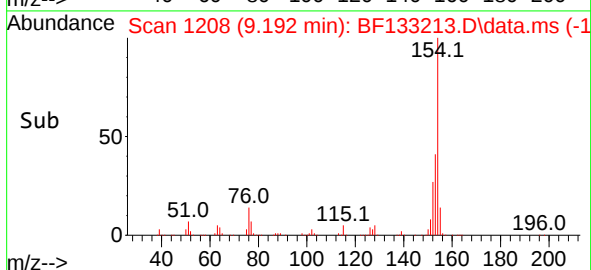
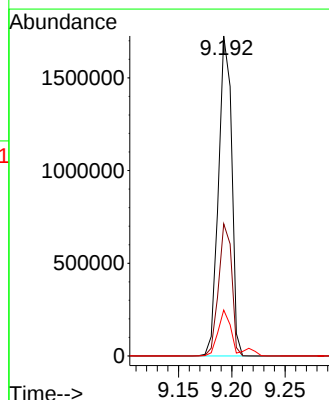
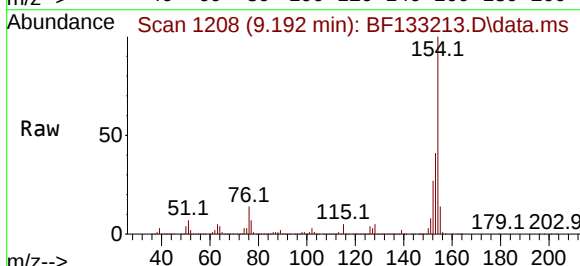
Tgt Ion:154 Resp: 1480298

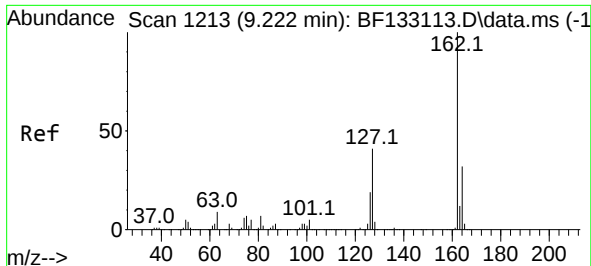
Ion Ratio Lower Upper

154 100

153 41.3 21.0 61.0

76 14.4 0.0 34.5

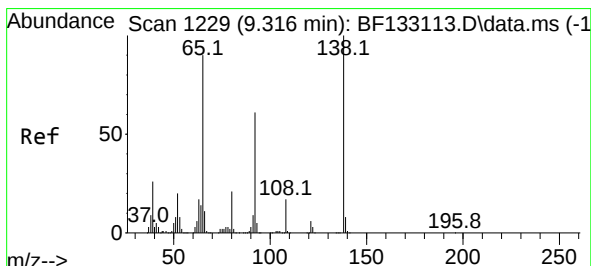
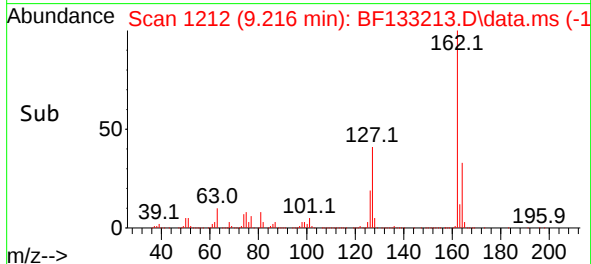
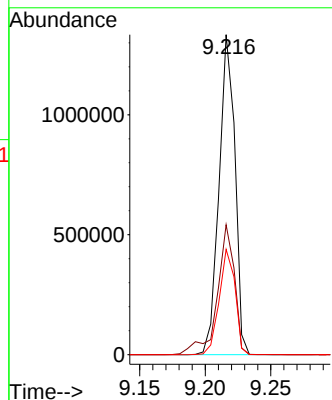
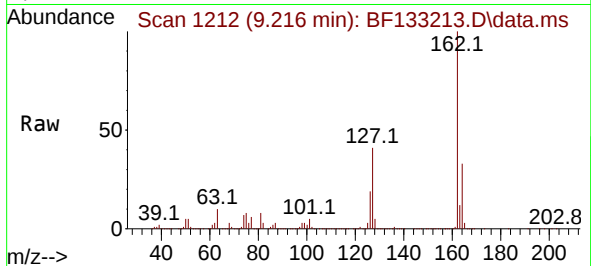




#47  
2-Chloronaphthalene  
Concen: 43.157 ng  
RT: 9.216 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF133213.D  
Acq: 03 May 2023 18:16

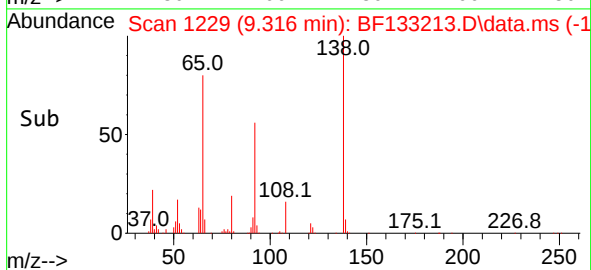
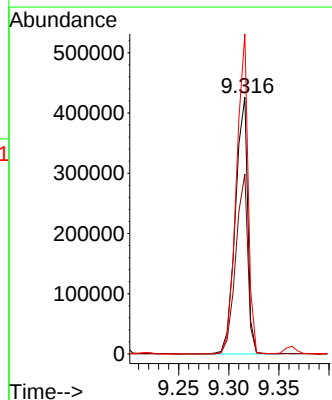
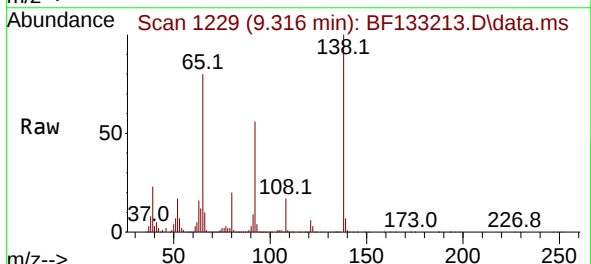
Instrument :  
BNA\_F  
ClientSampleId :  
ZONE-A-6-9-05022023MS

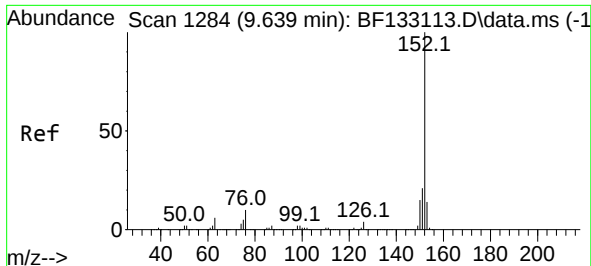
Tgt Ion:162 Resp: 1120825  
Ion Ratio Lower Upper  
162 100  
127 40.6 32.3 48.5  
164 32.9 26.8 40.2



#48  
2-Nitroaniline  
Concen: 42.530 ng  
RT: 9.316 min Scan# 1229  
Delta R.T. -0.000 min  
Lab File: BF133213.D  
Acq: 03 May 2023 18:16

Tgt Ion: 65 Resp: 365047  
Ion Ratio Lower Upper  
65 100  
92 70.1 55.4 83.0  
138 124.7 98.2 147.2





#49

Acenaphthylene

Concen: 41.716 ng

RT: 9.634 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF133213.D

Acq: 03 May 2023 18:16

Instrument :

BNA\_F

ClientSampleId :

ZONE-A-6-9-05022023MS

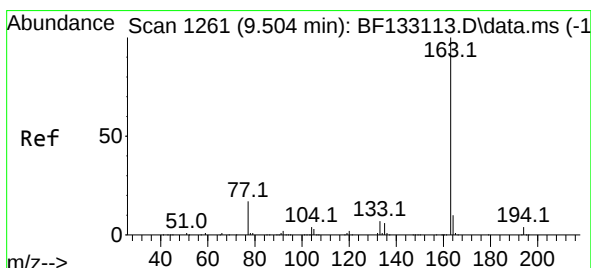
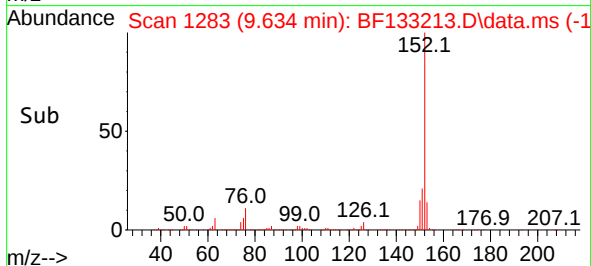
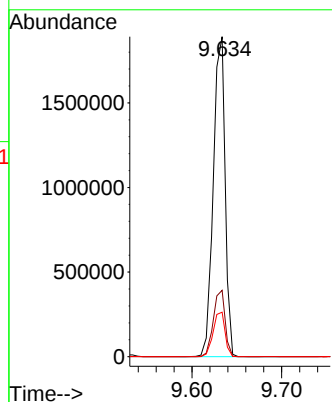
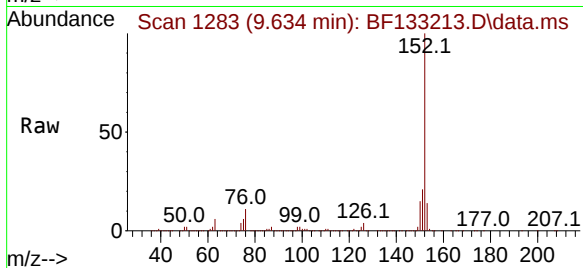
Tgt Ion:152 Resp: 1731124

Ion Ratio Lower Upper

152 100

151 20.7 16.6 24.8

153 13.9 11.5 17.3



#50

Dimethylphthalate

Concen: 42.415 ng

RT: 9.498 min Scan# 1260

Delta R.T. -0.000 min

Lab File: BF133213.D

Acq: 03 May 2023 18:16

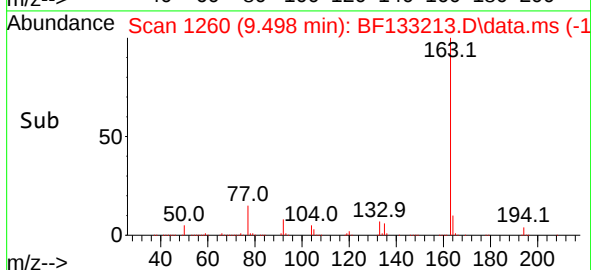
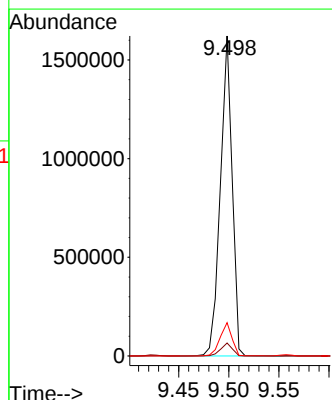
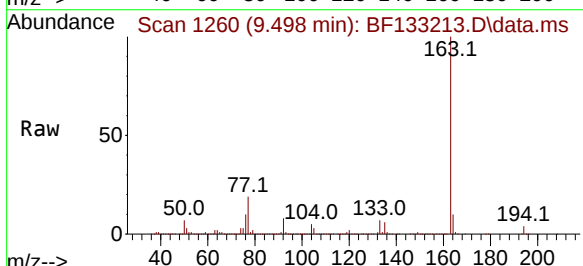
Tgt Ion:163 Resp: 1323399

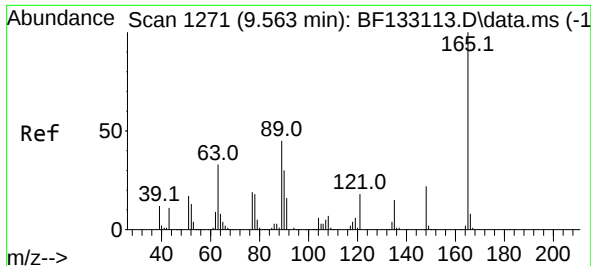
Ion Ratio Lower Upper

163 100

194 4.1 3.1 4.7

164 10.4 8.5 12.7

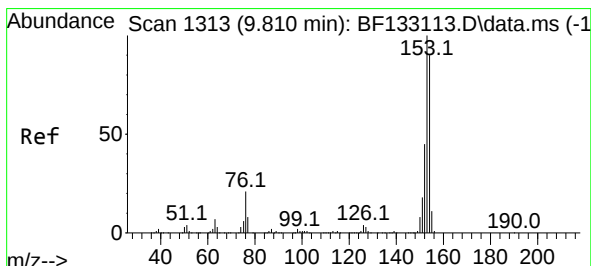
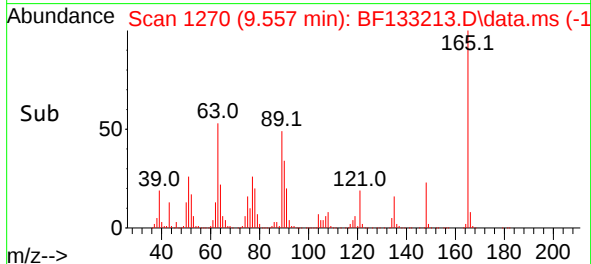
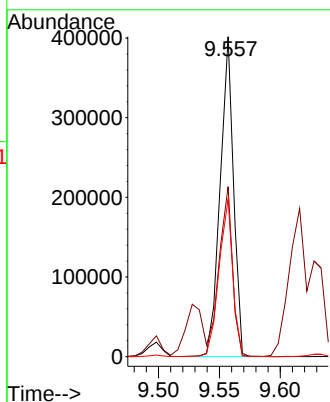
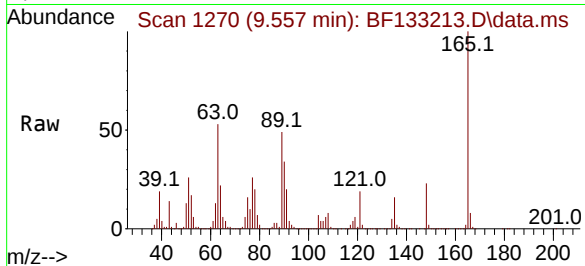




#51  
2,6-Dinitrotoluene  
Concen: 43.902 ng  
RT: 9.557 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF133213.D  
Acq: 03 May 2023 18:16

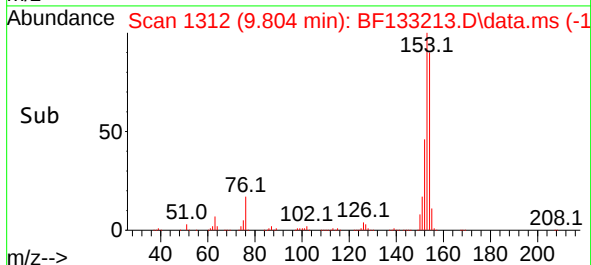
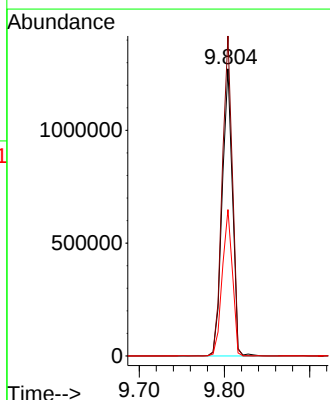
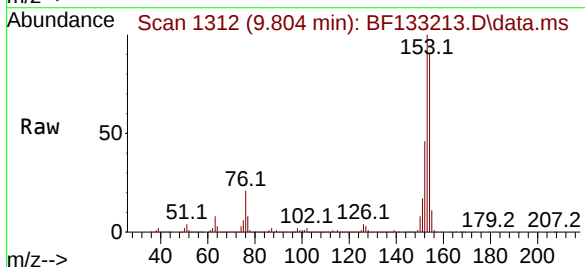
Instrument :  
BNA\_F  
ClientSampleId :  
ZONE-A-6-9-05022023MS

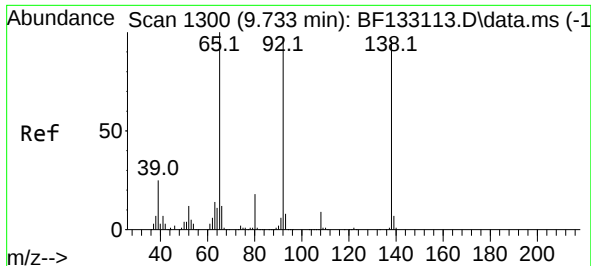
Tgt Ion:165 Resp: 308310  
Ion Ratio Lower Upper  
165 100  
63 53.1 45.9 68.9  
89 49.2 44.0 66.0



#52  
Acenaphthene  
Concen: 38.485 ng  
RT: 9.804 min Scan# 1312  
Delta R.T. -0.000 min  
Lab File: BF133213.D  
Acq: 03 May 2023 18:16

Tgt Ion:154 Resp: 1069612  
Ion Ratio Lower Upper  
154 100  
153 111.4 89.0 133.6  
152 51.0 40.4 60.6

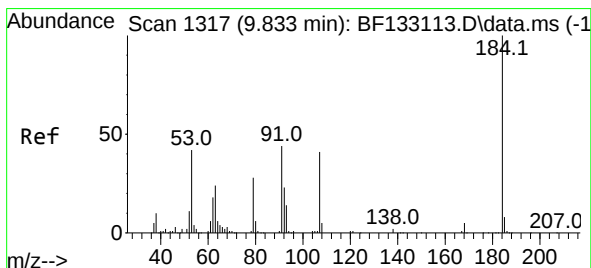
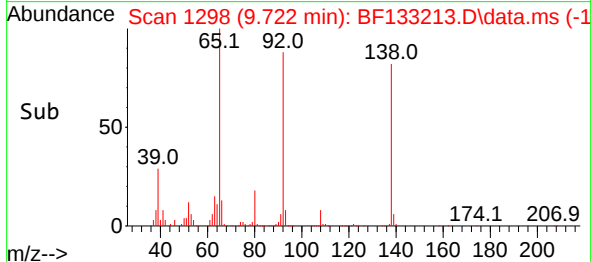
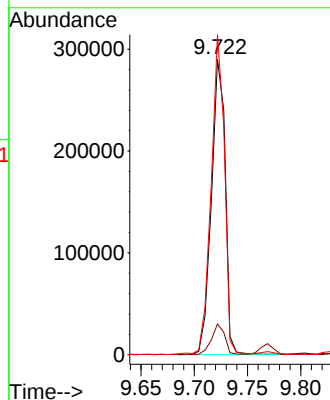
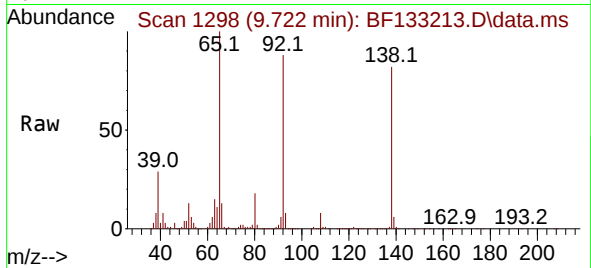




#53  
3-Nitroaniline  
Concen: 31.547 ng  
RT: 9.722 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF133213.D  
Acq: 03 May 2023 18:16

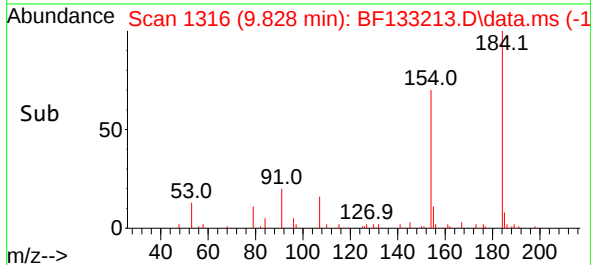
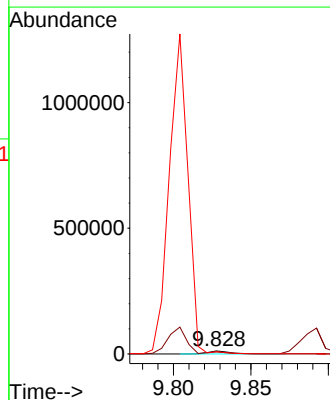
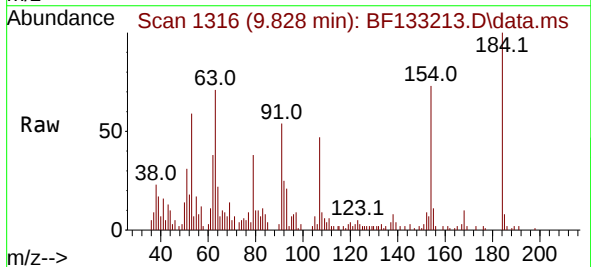
Instrument :  
BNA\_F  
ClientSampleId :  
ZONE-A-6-9-05022023MS

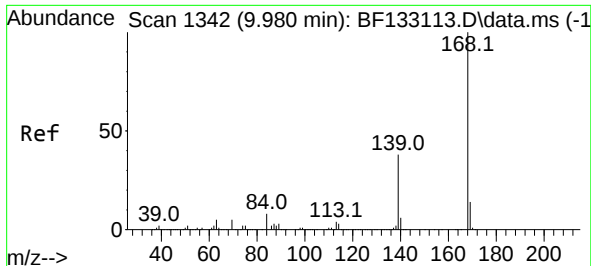
Tgt Ion:138 Resp: 263421  
Ion Ratio Lower Upper  
138 100  
108 10.4 8.0 12.0  
92 108.3 83.6 125.4



#54  
2,4-Dinitrophenol  
Concen: 3.437 ng  
RT: 9.828 min Scan# 1316  
Delta R.T. -0.000 min  
Lab File: BF133213.D  
Acq: 03 May 2023 18:16

Tgt Ion:184 Resp: 12131  
Ion Ratio Lower Upper  
184 100  
63 70.6 49.8 74.8  
154 73.3 49.5 74.3

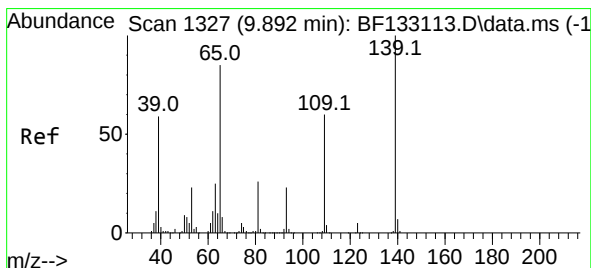
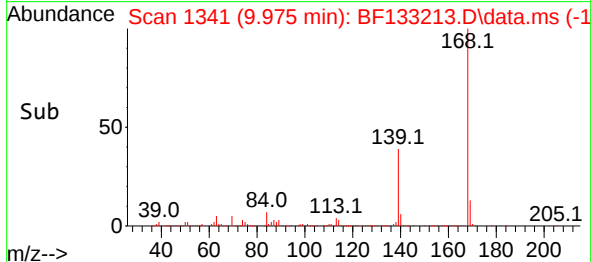
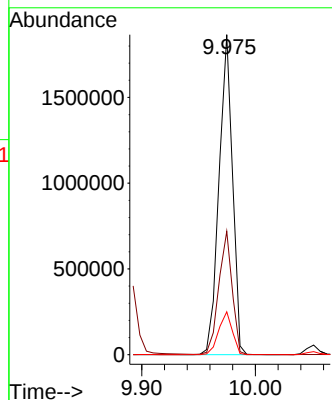
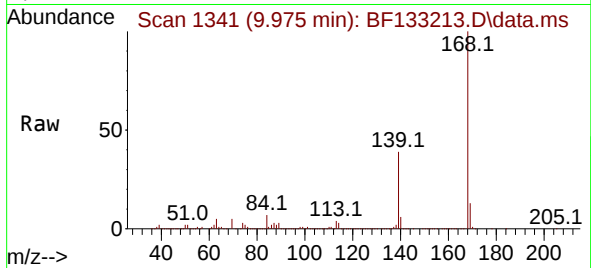




#55  
Dibenzenofuran  
Concen: 40.638 ng  
RT: 9.975 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF133213.D  
Acq: 03 May 2023 18:16

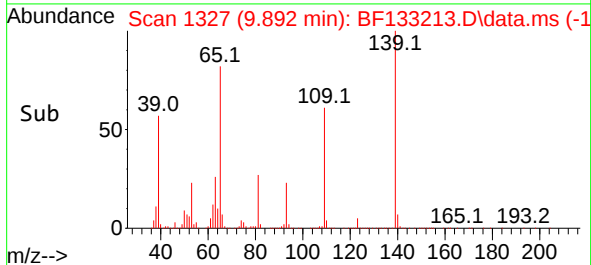
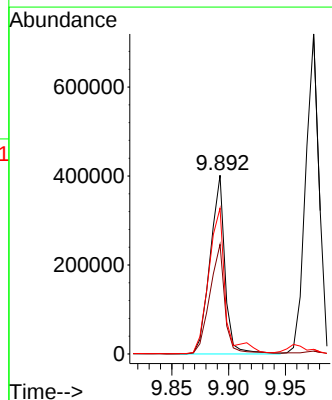
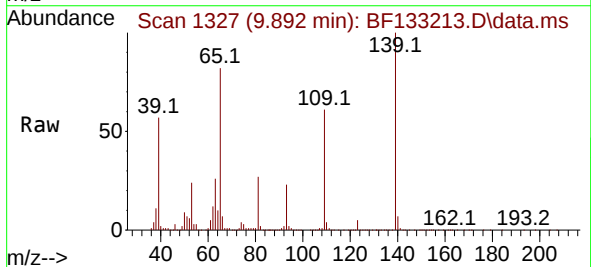
Instrument :  
BNA\_F  
ClientSampleId :  
ZONE-A-6-9-05022023MS

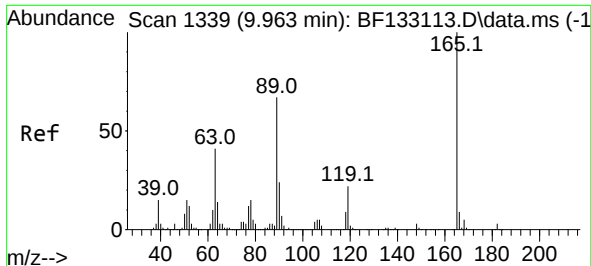
Tgt Ion:168 Resp: 1540695  
Ion Ratio Lower Upper  
168 100  
139 38.5 29.8 44.8  
169 13.4 10.8 16.2



#56  
4-Nitrophenol  
Concen: 56.505 ng  
RT: 9.892 min Scan# 1327  
Delta R.T. 0.006 min  
Lab File: BF133213.D  
Acq: 03 May 2023 18:16

Tgt Ion:139 Resp: 365436  
Ion Ratio Lower Upper  
139 100  
109 61.4 39.4 79.4  
65 81.6 57.5 97.5

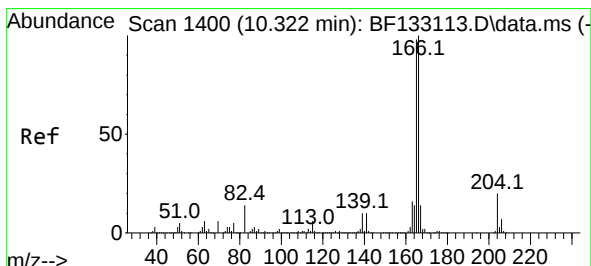
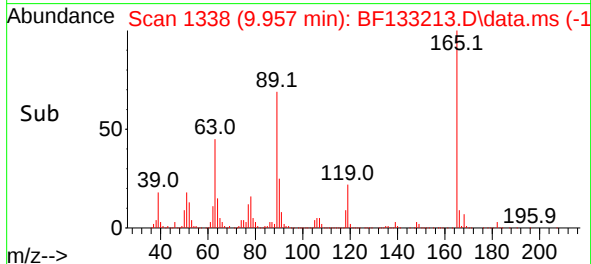
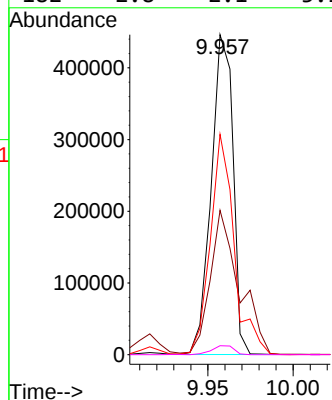
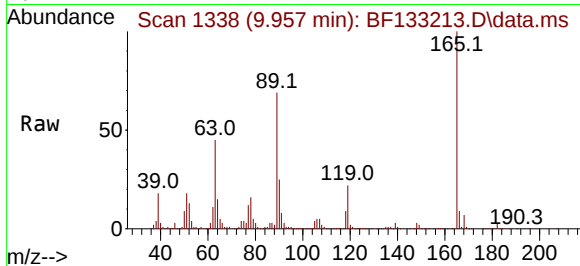




#57  
2,4-Dinitrotoluene  
Concen: 44.271 ng  
RT: 9.957 min Scan# 1338  
Delta R.T. -0.000 min  
Lab File: BF133213.D  
Acq: 03 May 2023 18:16

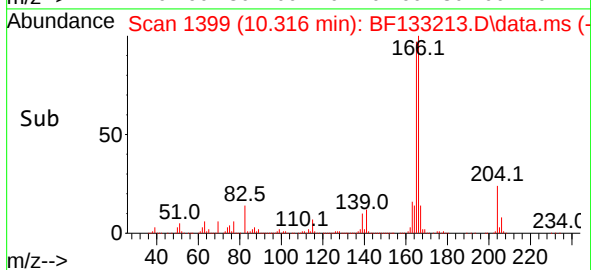
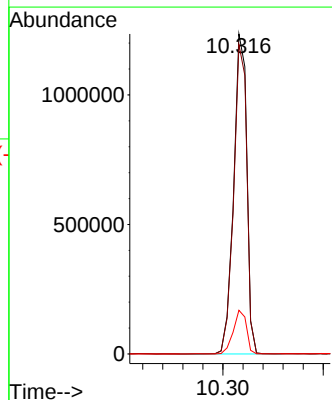
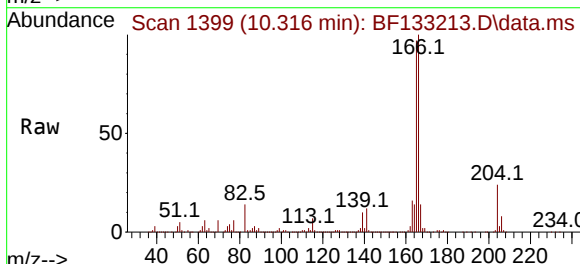
Instrument :  
BNA\_F  
ClientSampleId :  
ZONE-A-6-9-05022023MS

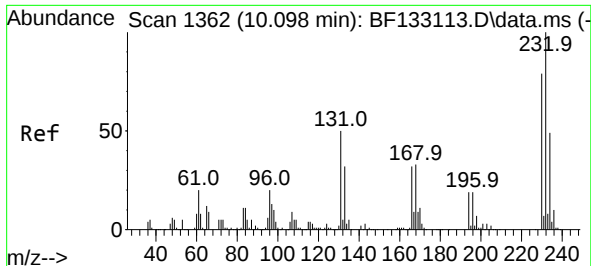
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 165   | Resp: | 396482 |
| Ion      | Ratio | Lower | Upper  |
| 165      | 100   |       |        |
| 63       | 45.1  | 37.7  | 56.5   |
| 89       | 68.9  | 57.0  | 85.4   |
| 182      | 2.8   | 2.1   | 3.1    |



#58  
Fluorene  
Concen: 40.583 ng  
RT: 10.316 min Scan# 1399  
Delta R.T. -0.000 min  
Lab File: BF133213.D  
Acq: 03 May 2023 18:16

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 166   | Resp: | 1127245 |
| Ion      | Ratio | Lower | Upper   |
| 166      | 100   |       |         |
| 165      | 96.7  | 78.6  | 117.8   |
| 167      | 13.7  | 11.0  | 16.4    |





#59

2,3,4,6-Tetrachlorophenol

Concen: 26.347 ng

RT: 10.092 min Scan# 1361

Delta R.T. -0.000 min

Lab File: BF133213.D

Acq: 03 May 2023 18:16

Instrument :

BNA\_F

ClientSampleId :

ZONE-A-6-9-05022023MS

Tgt Ion:232 Resp: 196555

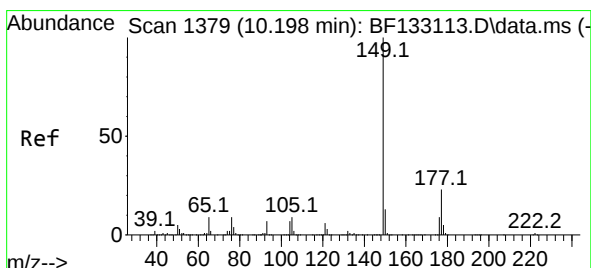
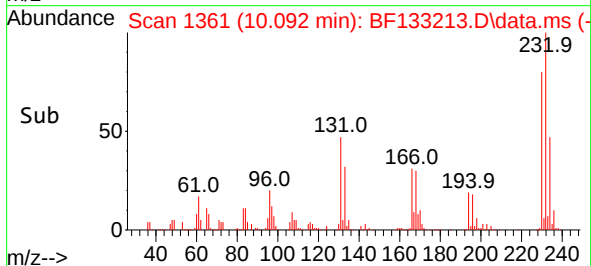
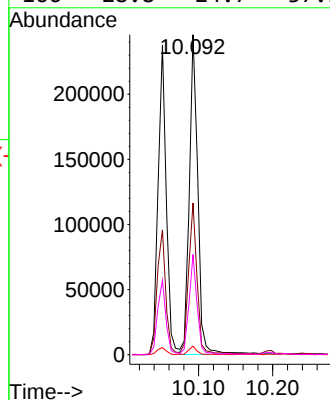
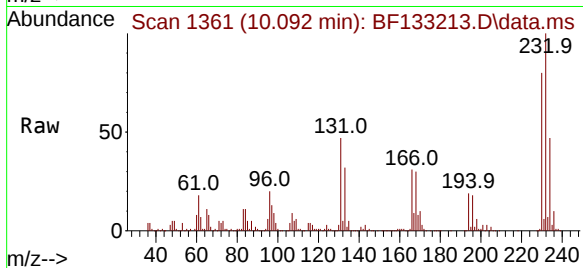
Ion Ratio Lower Upper

232 100

131 46.3 38.0 57.0

130 2.7 1.8 2.8

166 28.8 24.7 37.1



#60

Diethylphthalate

Concen: 41.971 ng

RT: 10.198 min Scan# 1379

Delta R.T. 0.006 min

Lab File: BF133213.D

Acq: 03 May 2023 18:16

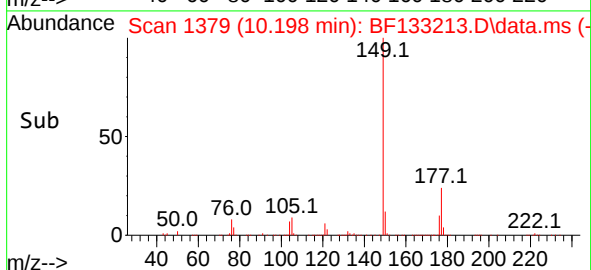
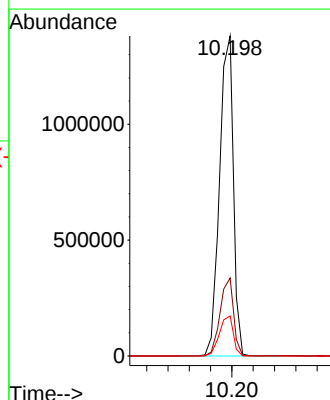
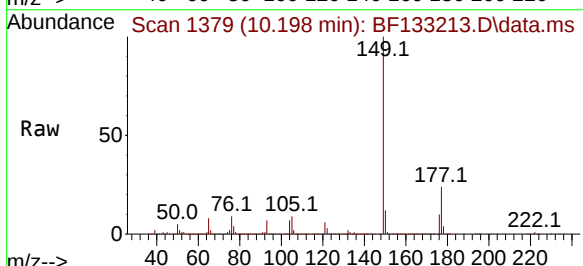
Tgt Ion:149 Resp: 1236961

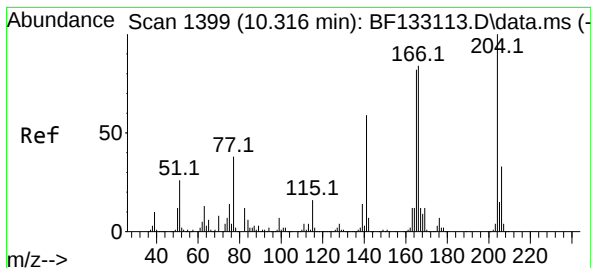
Ion Ratio Lower Upper

149 100

177 24.4 18.2 27.4

150 12.5 10.2 15.4

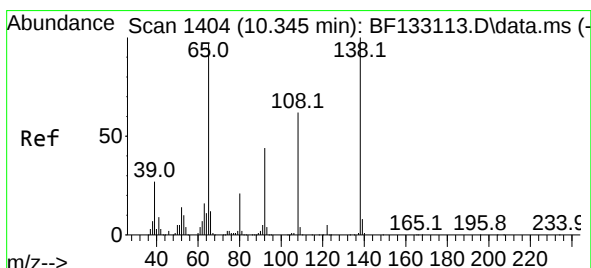
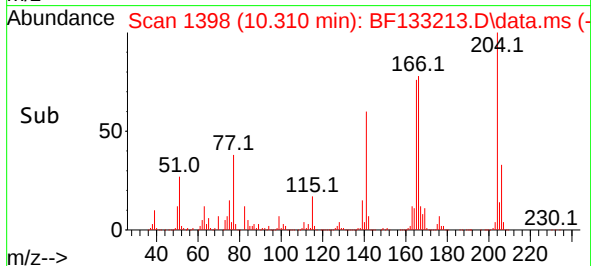
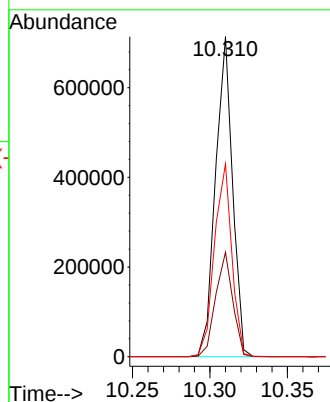
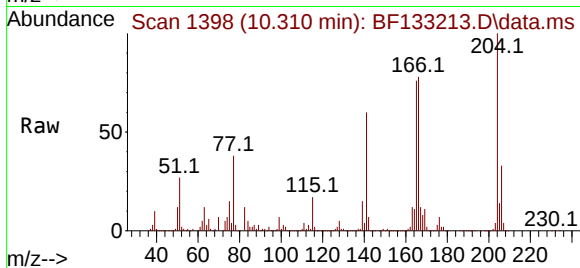




#61  
4-Chlorophenyl-phenylether  
Concen: 40.363 ng  
RT: 10.310 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF133213.D  
Acq: 03 May 2023 18:16

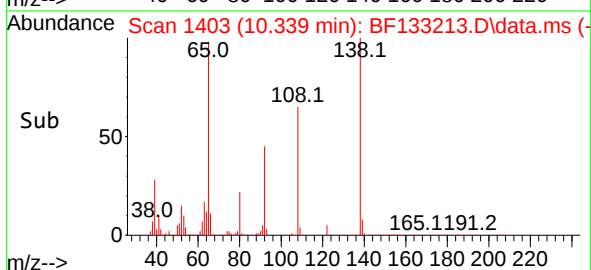
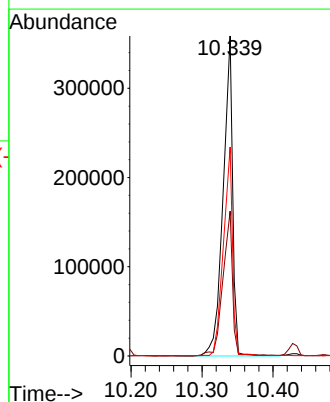
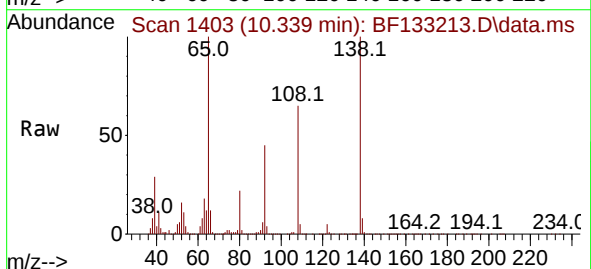
Instrument :  
BNA\_F  
ClientSampleId :  
ZONE-A-6-9-05022023MS

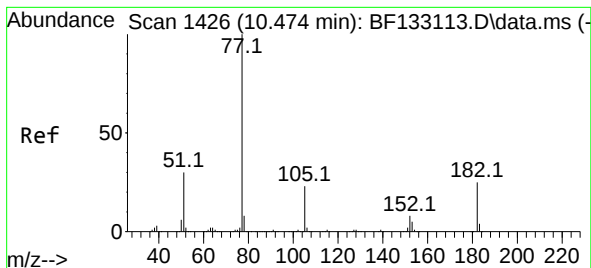
Tgt Ion:204 Resp: 546356  
Ion Ratio Lower Upper  
204 100  
206 32.7 26.1 39.1  
141 60.3 46.1 69.1



#62  
4-Nitroaniline  
Concen: 43.363 ng  
RT: 10.339 min Scan# 1403  
Delta R.T. -0.000 min  
Lab File: BF133213.D  
Acq: 03 May 2023 18:16

Tgt Ion:138 Resp: 332792  
Ion Ratio Lower Upper  
138 100  
92 45.3 27.7 67.7  
108 65.3 45.2 85.2





#63

Azobenzene

Concen: 40.393 ng

RT: 10.469 min Scan# 1425

Delta R.T. -0.000 min

Lab File: BF133213.D

Acq: 03 May 2023 18:16

Instrument :

BNA\_F

ClientSampleId :

ZONE-A-6-9-05022023MS

Tgt Ion: 77 Resp: 1261080

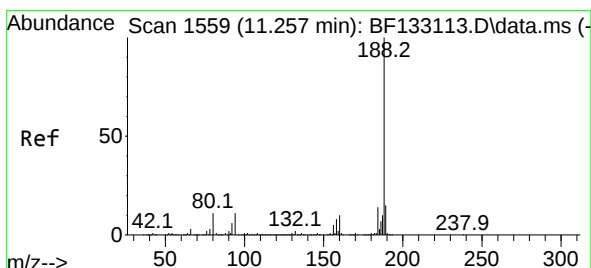
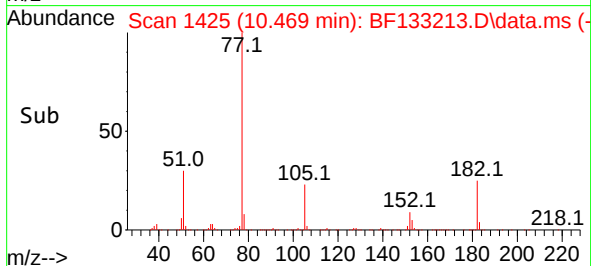
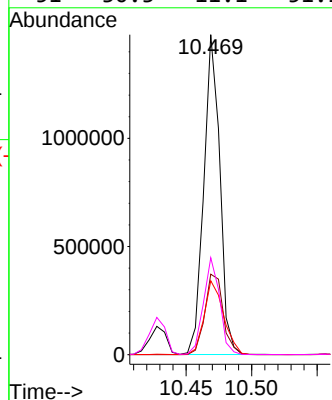
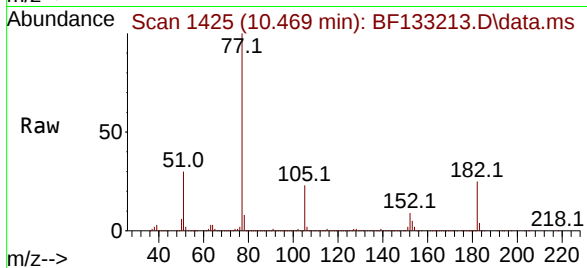
Ion Ratio Lower Upper

77 100

182 25.2 5.9 45.9

105 23.1 2.3 42.3

51 30.3 11.1 51.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.251 min Scan# 1558

Delta R.T. -0.000 min

Lab File: BF133213.D

Acq: 03 May 2023 18:16

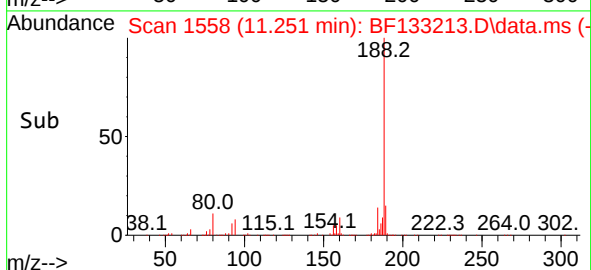
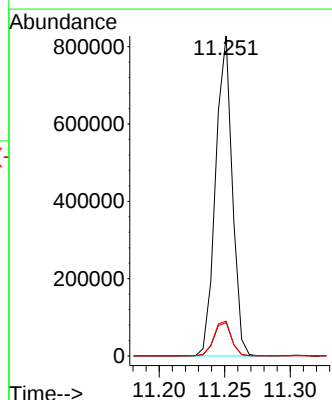
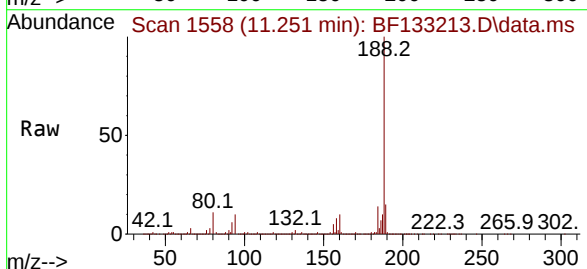
Tgt Ion:188 Resp: 729277

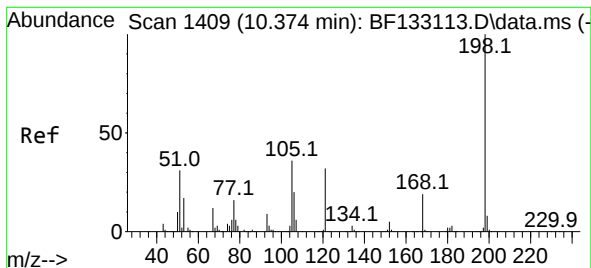
Ion Ratio Lower Upper

188 100

94 10.5 9.7 14.5

80 10.9 10.4 15.6

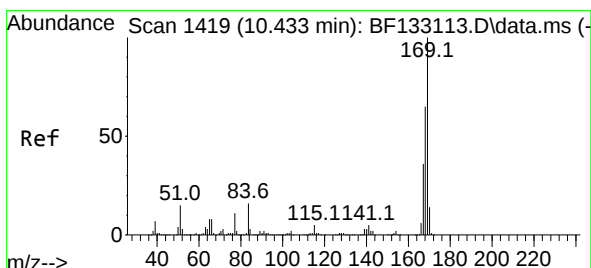
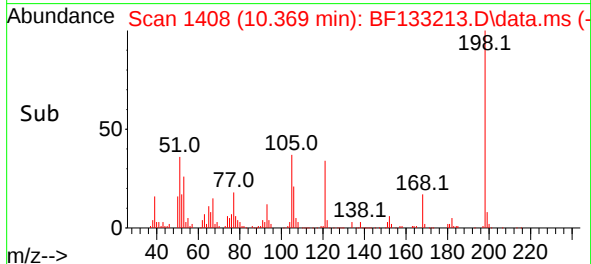
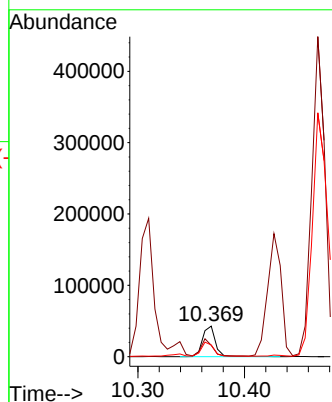
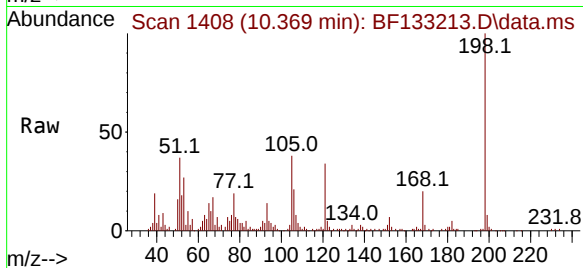




#65  
4,6-Dinitro-2-methylphenol  
Concen: 8.182 ng  
RT: 10.369 min Scan# 1409  
Delta R.T. -0.000 min  
Lab File: BF133213.D  
Acq: 03 May 2023 18:16

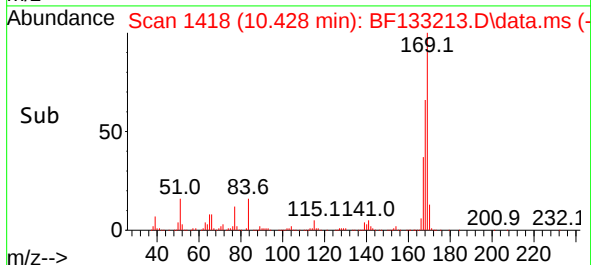
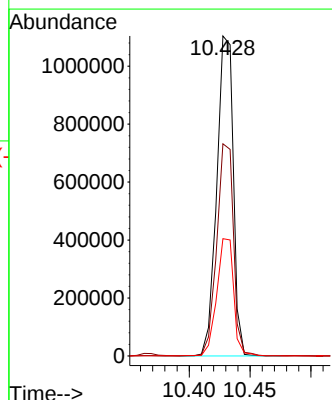
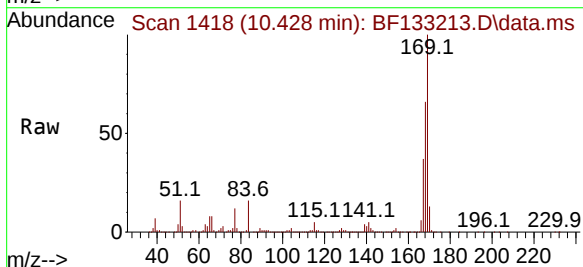
Instrument :  
BNA\_F  
ClientSampleId :  
ZONE-A-6-9-05022023MS

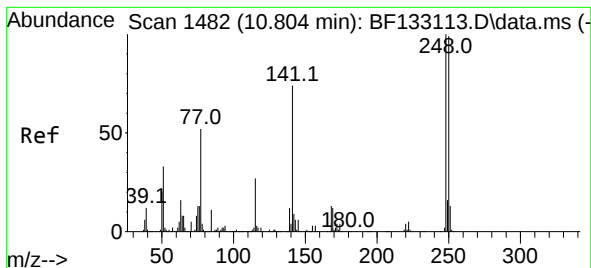
Tgt Ion:198 Resp: 36167  
Ion Ratio Lower Upper  
198 100  
51 37.2 15.5 55.5  
105 38.2 16.7 56.7



#66  
n-Nitrosodiphenylamine  
Concen: 44.039 ng  
RT: 10.428 min Scan# 1418  
Delta R.T. -0.006 min  
Lab File: BF133213.D  
Acq: 03 May 2023 18:16

Tgt Ion:169 Resp: 1041784  
Ion Ratio Lower Upper  
169 100  
168 66.3 53.8 80.8  
167 36.7 29.7 44.5

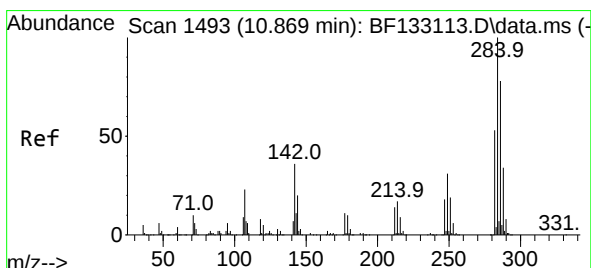
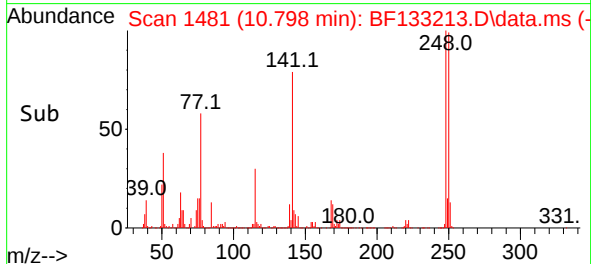
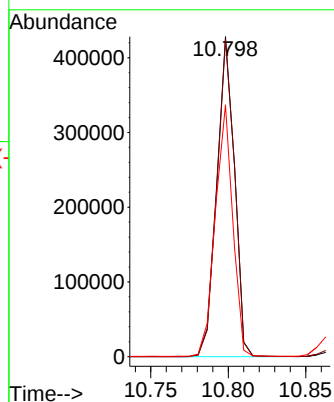
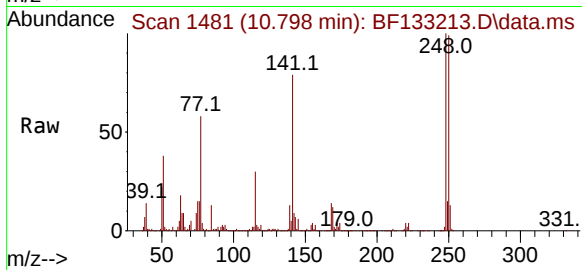




#67  
4-Bromophenyl-phenylether  
Concen: 43.117 ng  
RT: 10.798 min Scan# 1482  
Delta R.T. -0.000 min  
Lab File: BF133213.D  
Acq: 03 May 2023 18:16

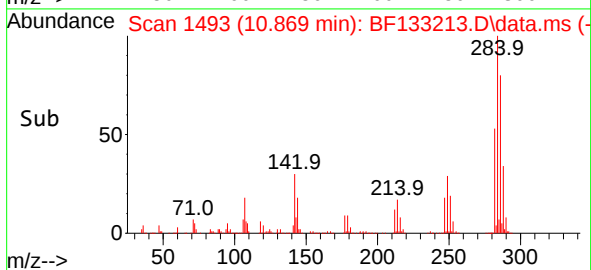
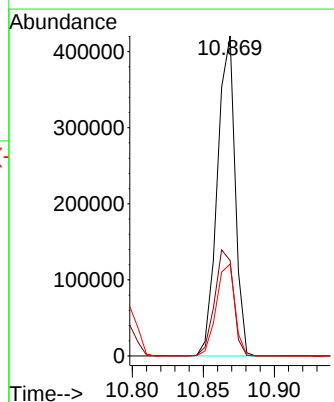
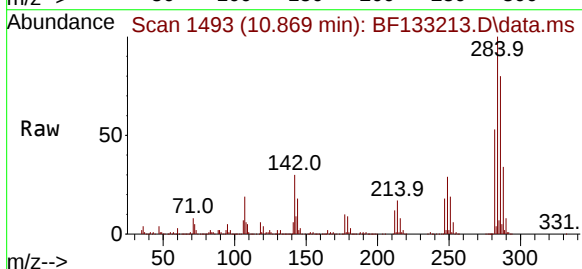
Instrument :  
BNA\_F  
ClientSampleId :  
ZONE-A-6-9-05022023MS

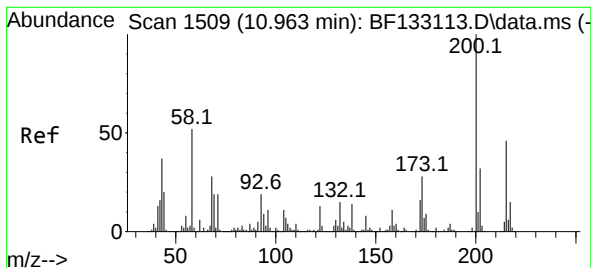
Tgt Ion:248 Resp: 341028  
Ion Ratio Lower Upper  
248 100  
250 99.2 78.7 118.1  
141 78.7 56.3 84.5



#68  
Hexachlorobenzene  
Concen: 45.008 ng  
RT: 10.869 min Scan# 1493  
Delta R.T. -0.000 min  
Lab File: BF133213.D  
Acq: 03 May 2023 18:16

Tgt Ion:284 Resp: 364779  
Ion Ratio Lower Upper  
284 100  
142 29.8 26.0 39.0  
249 28.7 23.7 35.5





#69

Atrazine

Concen: 50.464 ng

RT: 10.963 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF133213.D

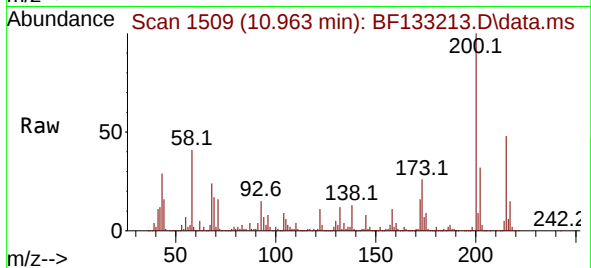
Acq: 03 May 2023 18:16

Instrument :

BNA\_F

ClientSampleId :

ZONE-A-6-9-05022023MS



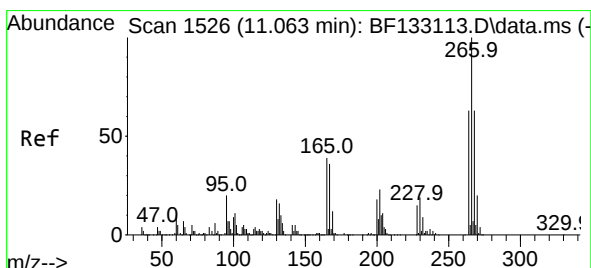
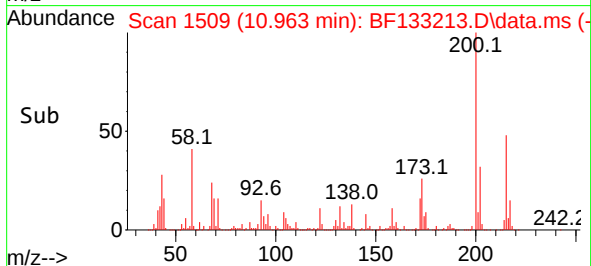
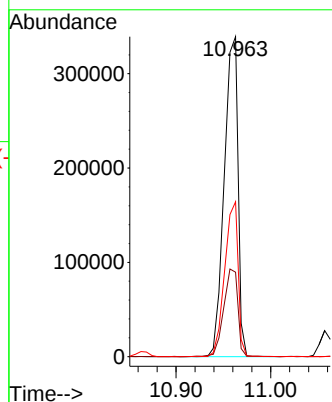
Tgt Ion:200 Resp: 343981

Ion Ratio Lower Upper

200 100

173 26.4 6.2 46.2

215 48.4 26.3 66.3



#70

Pentachlorophenol

Concen: 25.631 ng

RT: 11.057 min Scan# 1525

Delta R.T. -0.000 min

Lab File: BF133213.D

Acq: 03 May 2023 18:16

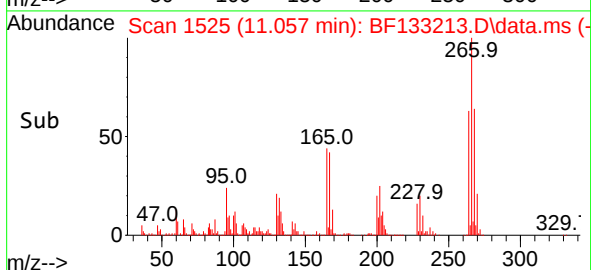
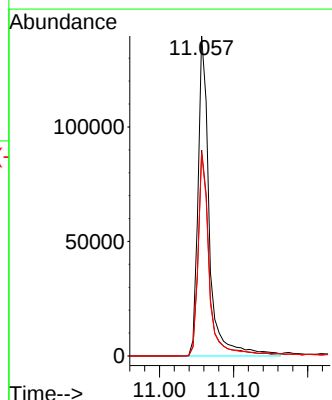
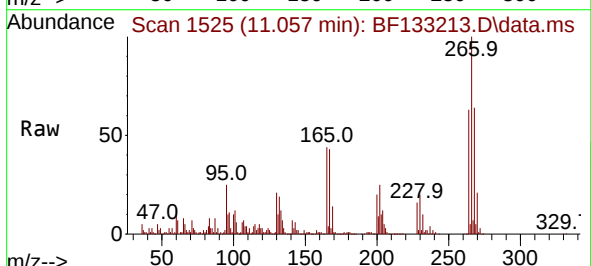
Tgt Ion:266 Resp: 147944

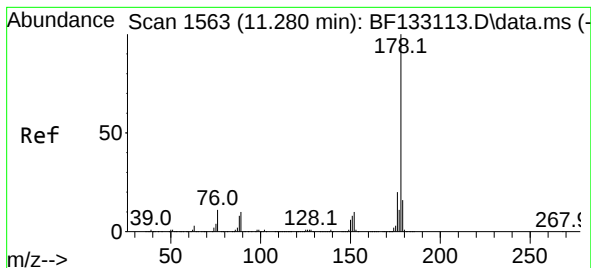
Ion Ratio Lower Upper

266 100

268 64.4 48.8 73.2

264 63.5 50.6 76.0





#71

Phenanthrene

Concen: 42.682 ng

RT: 11.275 min Scan# 1562

Delta R.T. -0.000 min

Lab File: BF133213.D

Acq: 03 May 2023 18:16

Instrument :

BNA\_F

ClientSampleId :

ZONE-A-6-9-05022023MS

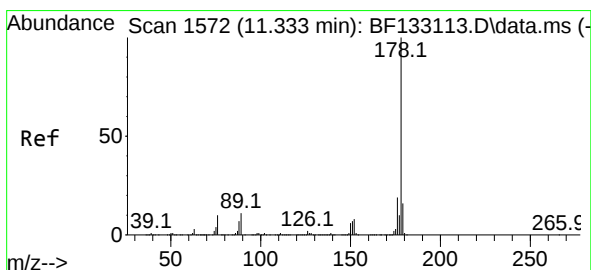
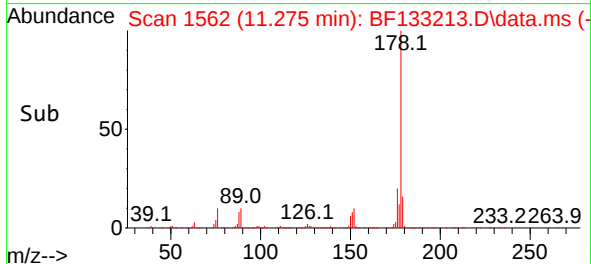
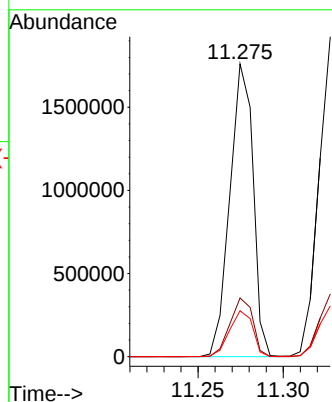
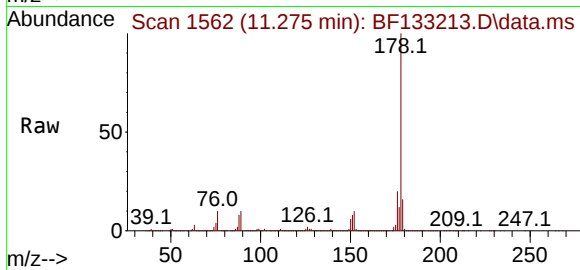
Tgt Ion:178 Resp: 1672982

Ion Ratio Lower Upper

178 100

176 20.1 15.9 23.9

179 15.7 12.5 18.7



#72

Anthracene

Concen: 40.912 ng

RT: 11.328 min Scan# 1571

Delta R.T. -0.000 min

Lab File: BF133213.D

Acq: 03 May 2023 18:16

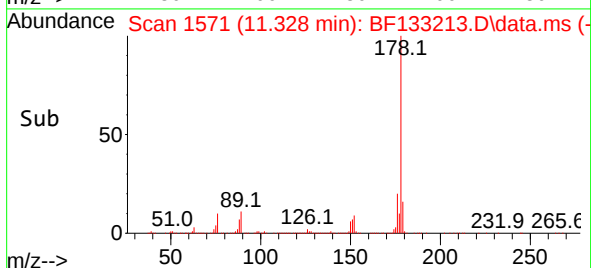
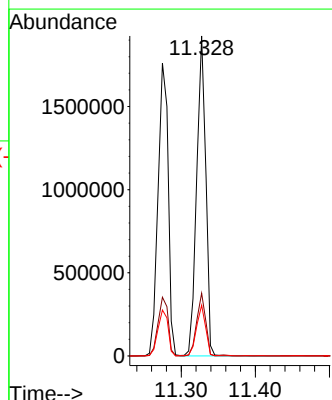
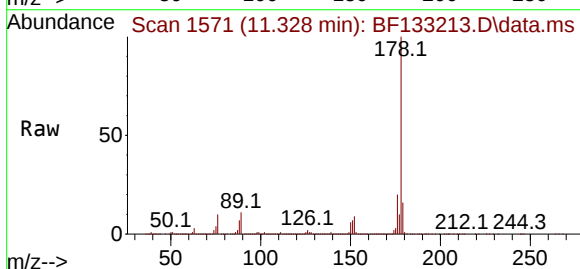
Tgt Ion:178 Resp: 1641125

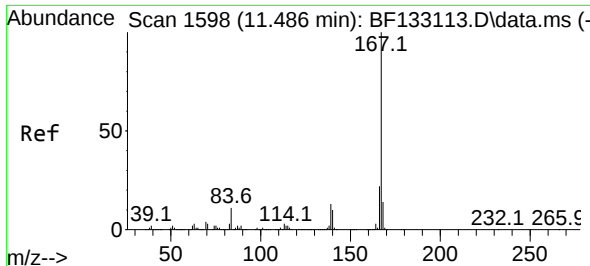
Ion Ratio Lower Upper

178 100

176 19.6 15.4 23.0

179 15.8 12.4 18.6

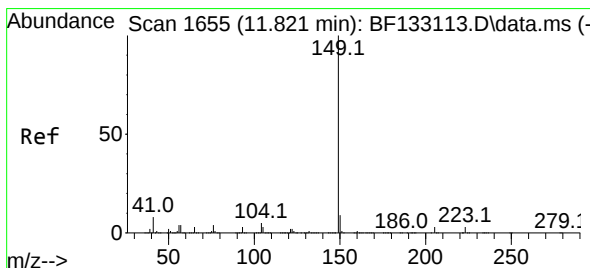
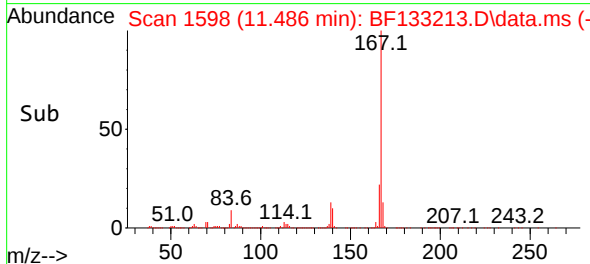
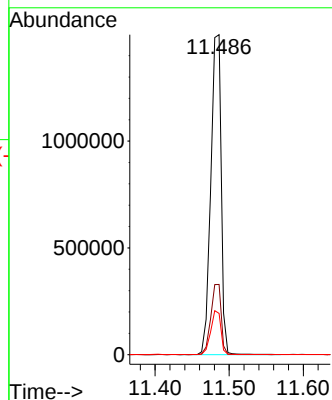
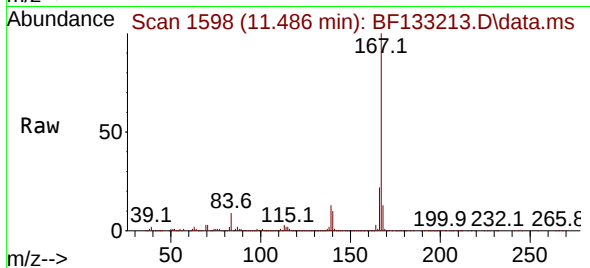




#73  
 Carbazole  
 Concen: 40.826 ng  
 RT: 11.486 min Scan# 1598  
 Delta R.T. -0.000 min  
 Lab File: BF133213.D  
 Acq: 03 May 2023 18:16

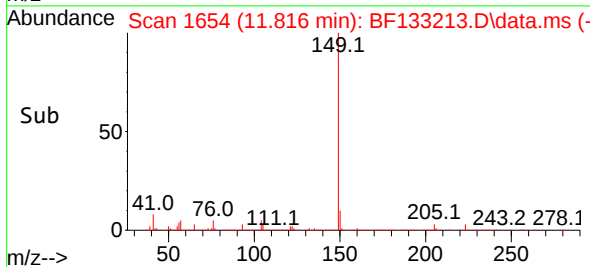
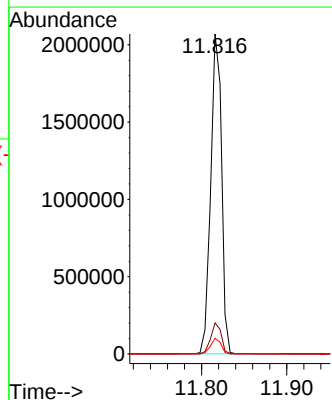
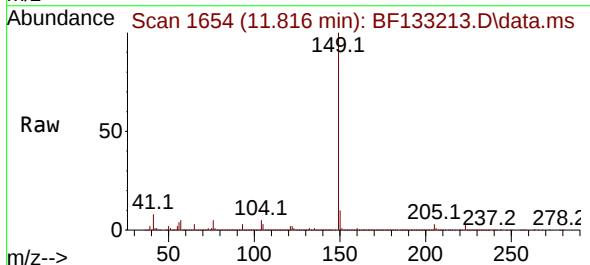
Instrument :  
 BNA\_F  
 ClientSampleId :  
 ZONE-A-6-9-05022023MS

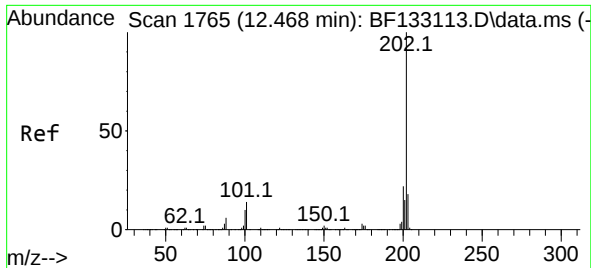
Tgt Ion:167 Resp: 1458229  
 Ion Ratio Lower Upper  
 167 100  
 166 21.9 17.4 26.0  
 139 12.9 10.6 16.0



#74  
 Di-n-butylphthalate  
 Concen: 45.256 ng  
 RT: 11.816 min Scan# 1654  
 Delta R.T. -0.000 min  
 Lab File: BF133213.D  
 Acq: 03 May 2023 18:16

Tgt Ion:149 Resp: 1829279  
 Ion Ratio Lower Upper  
 149 100  
 150 9.7 7.6 11.4  
 104 4.9 4.0 6.0

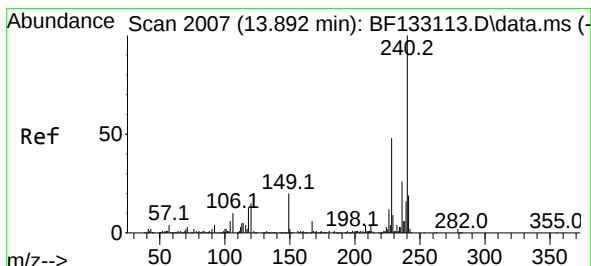
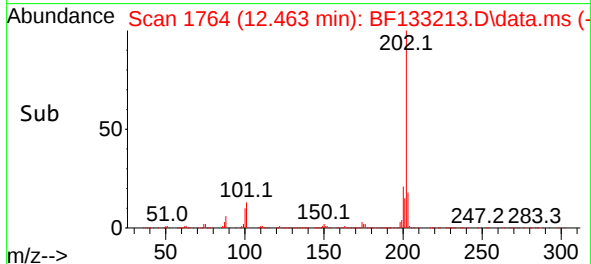
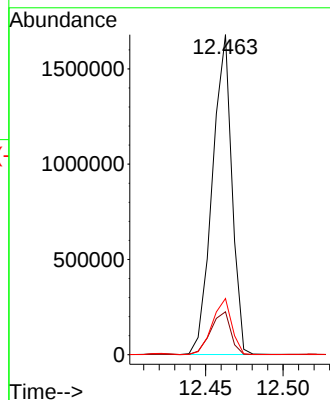
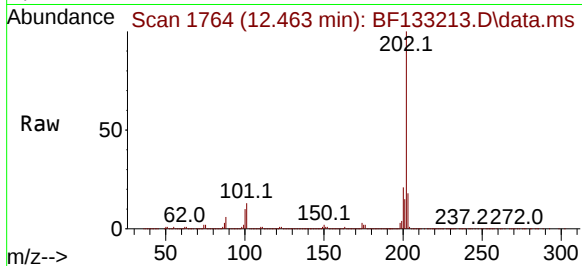




#75  
Fluoranthene  
Concen: 37.397 ng  
RT: 12.463 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF133213.D  
Acq: 03 May 2023 18:16

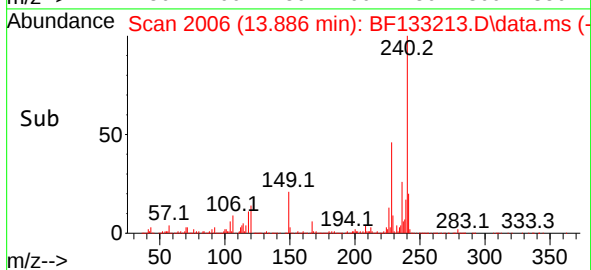
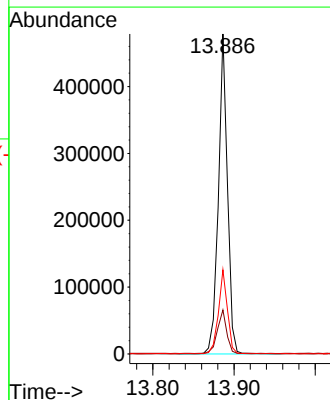
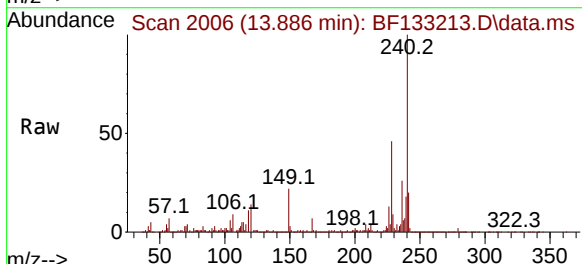
Instrument :  
BNA\_F  
ClientSampleId :  
ZONE-A-6-9-05022023MS

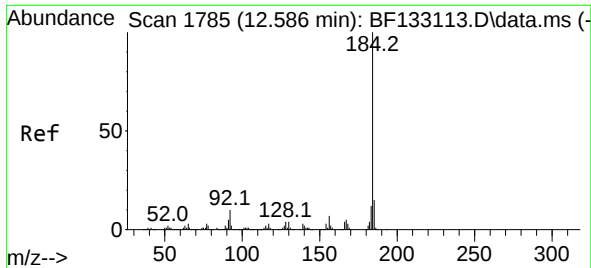
Tgt Ion:202 Resp: 1471120  
Ion Ratio Lower Upper  
202 100  
101 13.4 0.0 35.3  
203 17.5 0.0 38.1



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.886 min Scan# 2006  
Delta R.T. -0.006 min  
Lab File: BF133213.D  
Acq: 03 May 2023 18:16

Tgt Ion:240 Resp: 370965  
Ion Ratio Lower Upper  
240 100  
120 13.7 10.5 15.7  
236 26.3 21.5 32.3

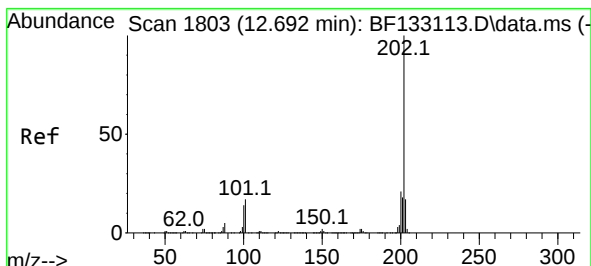
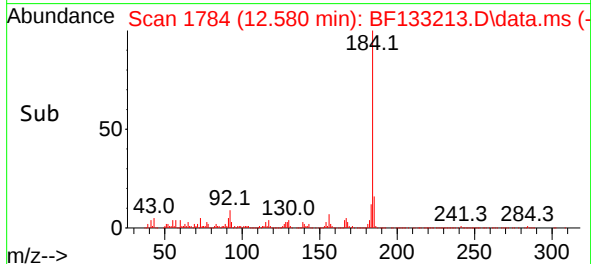
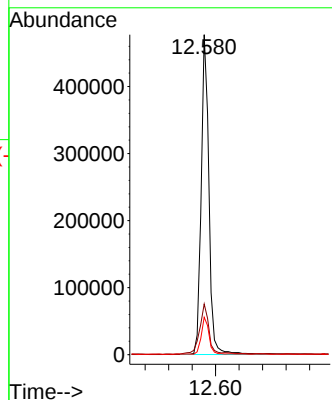
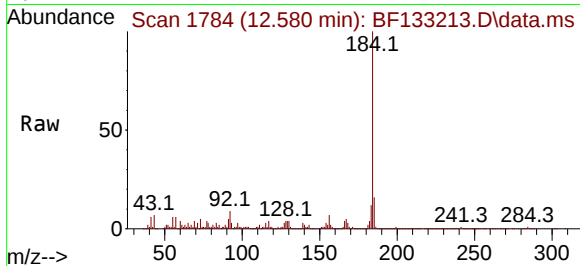




#77  
Benzidine  
Concen: 69.352 ng  
RT: 12.580 min Scan# 1784  
Delta R.T. -0.000 min  
Lab File: BF133213.D  
Acq: 03 May 2023 18:16

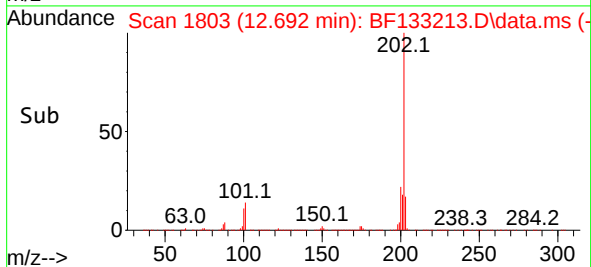
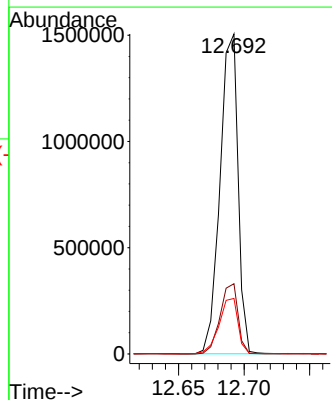
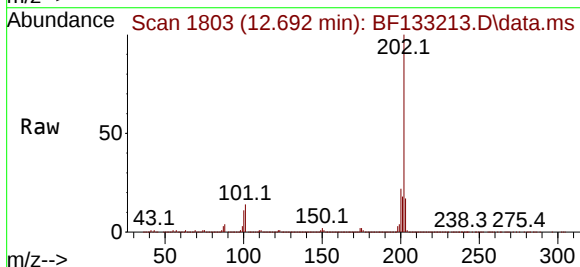
Instrument :  
BNA\_F  
ClientSampleId :  
ZONE-A-6-9-05022023MS

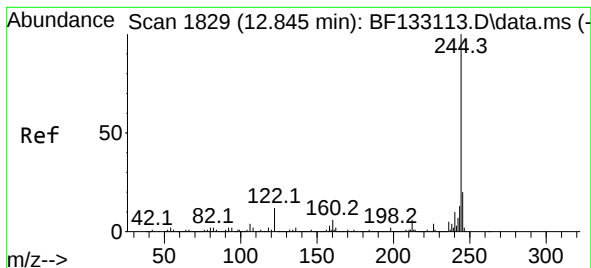
Tgt Ion:184 Resp: 435057  
Ion Ratio Lower Upper  
184 100  
185 15.9 15.4 23.2  
183 11.7 9.4 14.0



#78  
Pyrene  
Concen: 45.197 ng  
RT: 12.692 min Scan# 1803  
Delta R.T. -0.000 min  
Lab File: BF133213.D  
Acq: 03 May 2023 18:16

Tgt Ion:202 Resp: 1437277  
Ion Ratio Lower Upper  
202 100  
200 22.0 17.1 25.7  
203 17.4 14.1 21.1





#79

Terphenyl-d14

Concen: 70.141 ng

RT: 12.833 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133213.D

Acq: 03 May 2023 18:16

Instrument :

BNA\_F

ClientSampleId :

ZONE-A-6-9-05022023MS

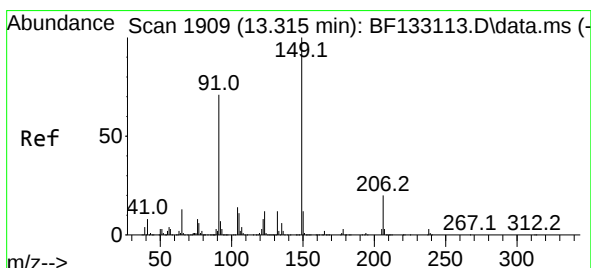
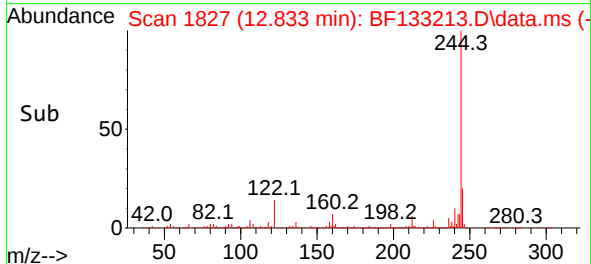
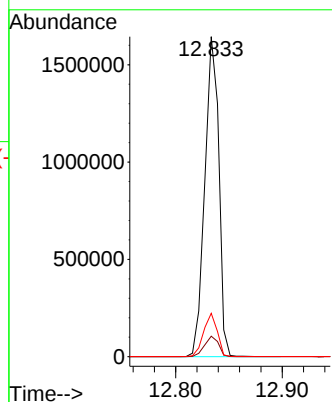
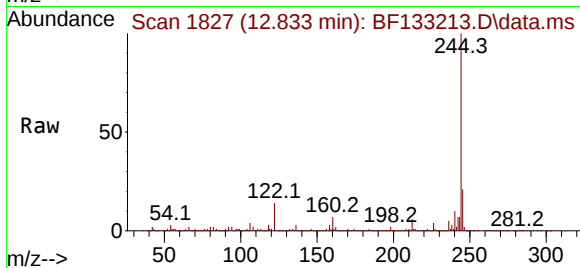
Tgt Ion:244 Resp: 1508683

Ion Ratio Lower Upper

244 100

212 6.4 5.1 7.7

122 13.6 8.6 13.0#



#80

Butylbenzylphthalate

Concen: 52.317 ng

RT: 13.310 min Scan# 1908

Delta R.T. -0.006 min

Lab File: BF133213.D

Acq: 03 May 2023 18:16

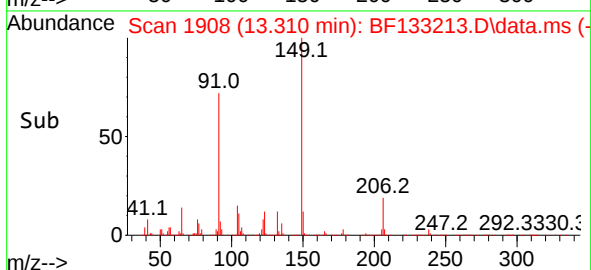
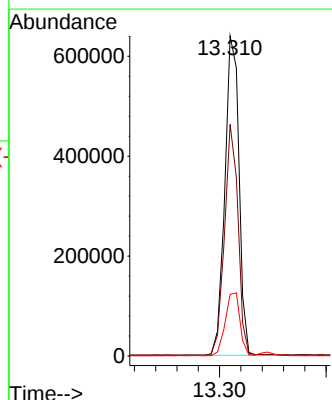
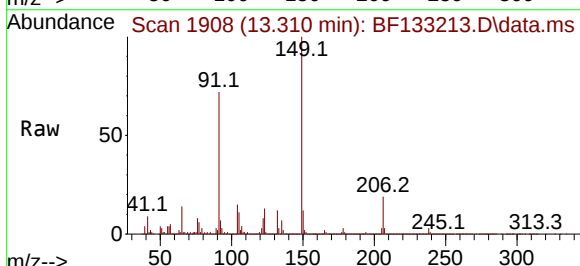
Tgt Ion:149 Resp: 589069

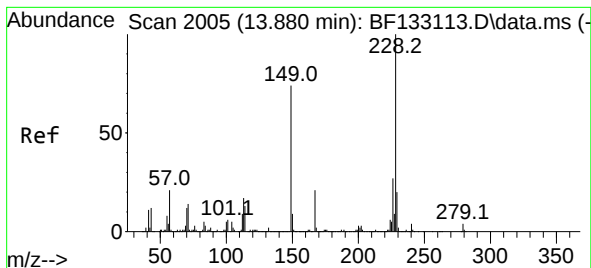
Ion Ratio Lower Upper

149 100

91 72.3 53.8 80.6

206 19.3 17.5 26.3





#81

Benzo(a)anthracene

Concen: 42.171 ng

RT: 13.874 min Scan# 2005

Delta R.T. -0.006 min

Lab File: BF133213.D

Acq: 03 May 2023 18:16

Instrument :

BNA\_F

ClientSampleId :

ZONE-A-6-9-05022023MS

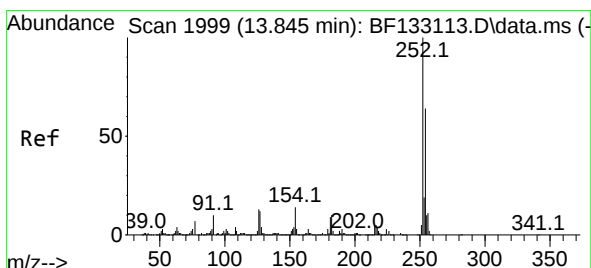
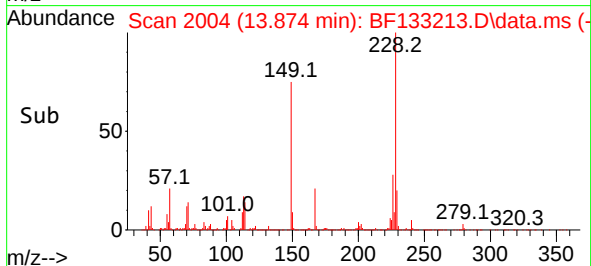
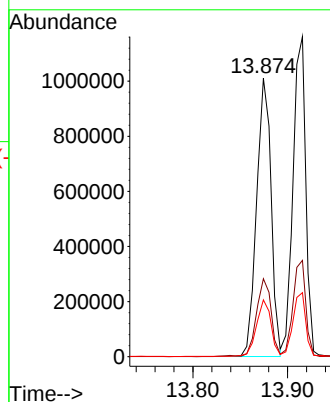
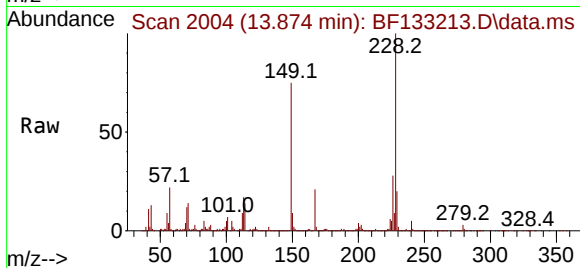
Tgt Ion:228 Resp: 1075790

Ion Ratio Lower Upper

228 100

226 28.0 22.2 33.4

229 20.4 16.0 24.0



#82

3,3'-Dichlorobenzidine

Concen: 29.079 ng

RT: 13.839 min Scan# 1998

Delta R.T. -0.006 min

Lab File: BF133213.D

Acq: 03 May 2023 18:16

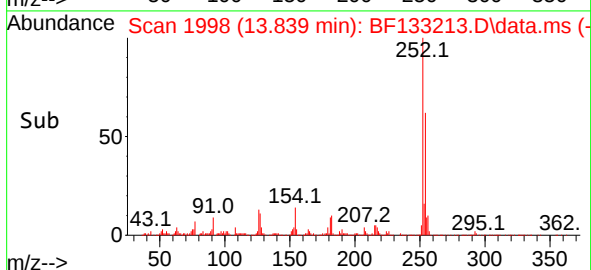
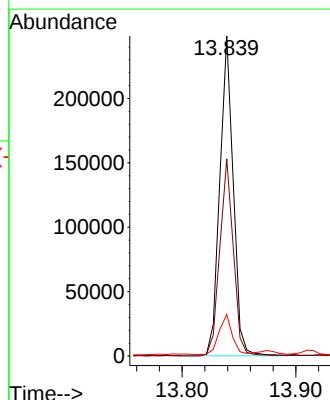
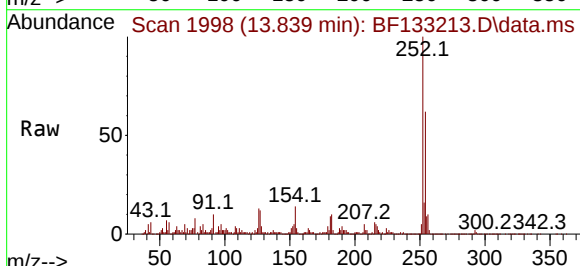
Tgt Ion:252 Resp: 204923

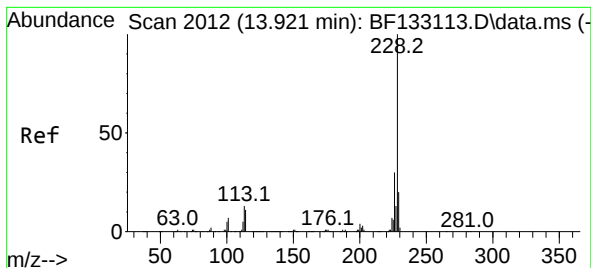
Ion Ratio Lower Upper

252 100

254 61.6 51.5 77.3

126 13.0 9.5 14.3





#83

Chrysene

Concen: 42.454 ng

RT: 13.916 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF133213.D

Acq: 03 May 2023 18:16

Instrument :

BNA\_F

ClientSampleId :

ZONE-A-6-9-05022023MS

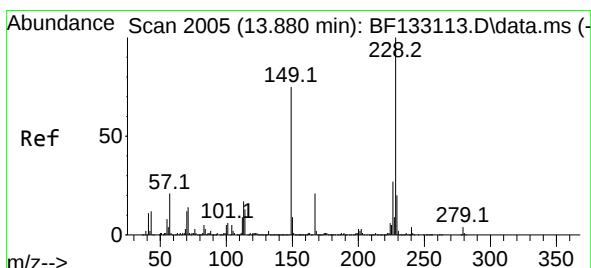
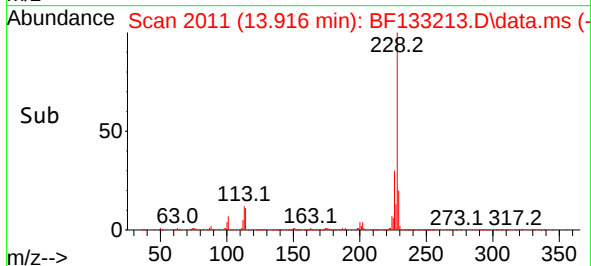
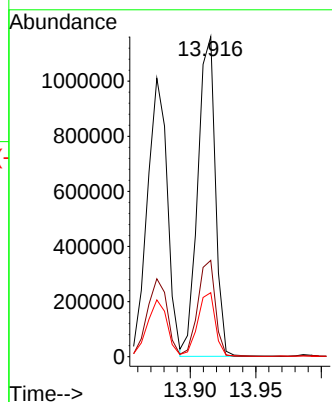
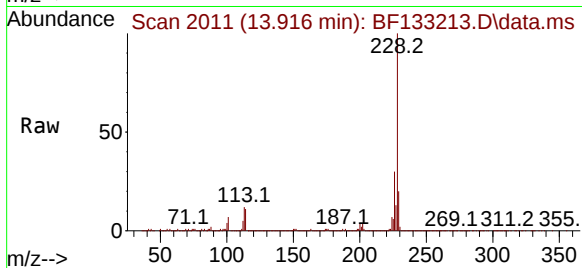
Tgt Ion:228 Resp: 1082743

Ion Ratio Lower Upper

228 100

226 30.1 24.7 37.1

229 20.0 16.1 24.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 49.274 ng

RT: 13.874 min Scan# 2004

Delta R.T. -0.000 min

Lab File: BF133213.D

Acq: 03 May 2023 18:16

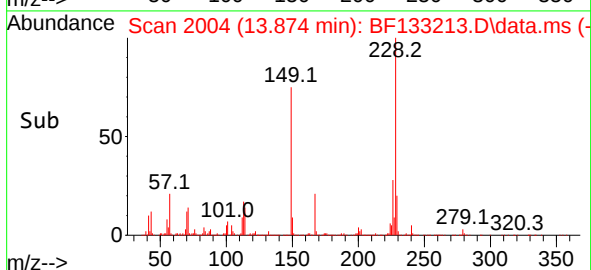
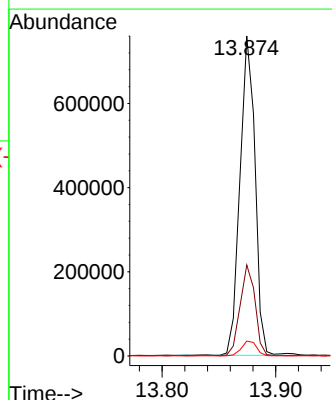
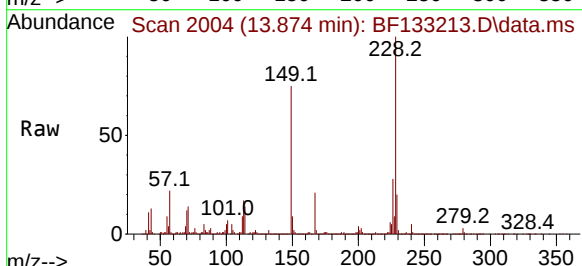
Tgt Ion:149 Resp: 696385

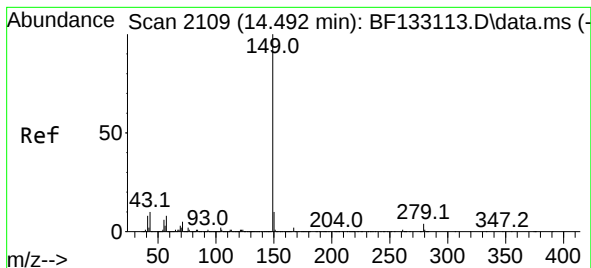
Ion Ratio Lower Upper

149 100

167 28.4 22.5 33.7

279 4.6 4.2 6.4





#85

Di-n-octyl phthalate

Concen: 58.569 ng

RT: 14.486 min Scan# 2109

Delta R.T. -0.000 min

Lab File: BF133213.D

Acq: 03 May 2023 18:16

Instrument :

BNA\_F

ClientSampleId :

ZONE-A-6-9-05022023MS

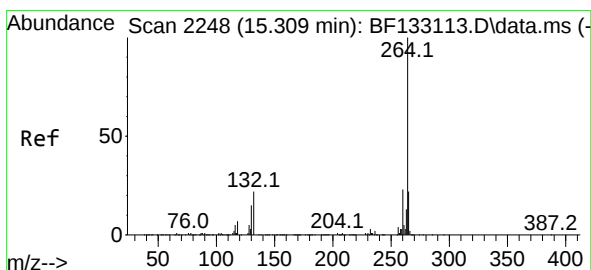
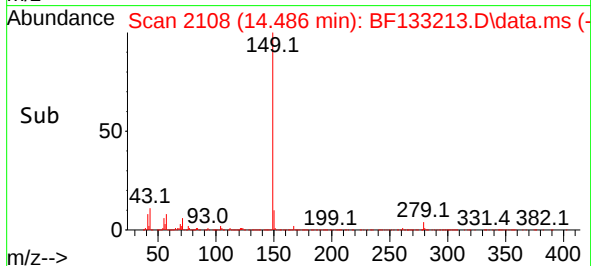
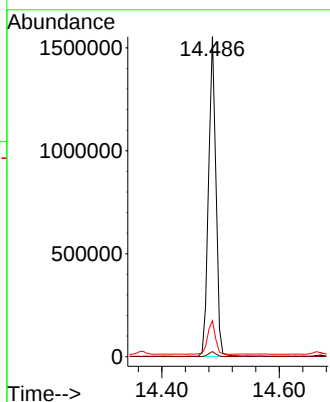
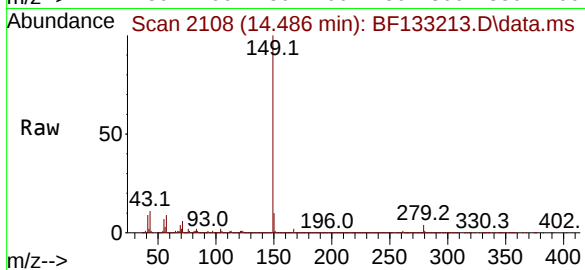
Tgt Ion:149 Resp: 1349704

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

43 11.1 9.5 14.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.304 min Scan# 2247

Delta R.T. -0.000 min

Lab File: BF133213.D

Acq: 03 May 2023 18:16

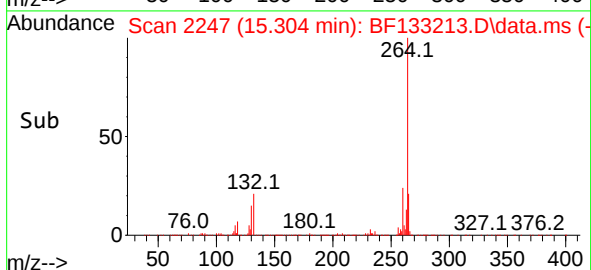
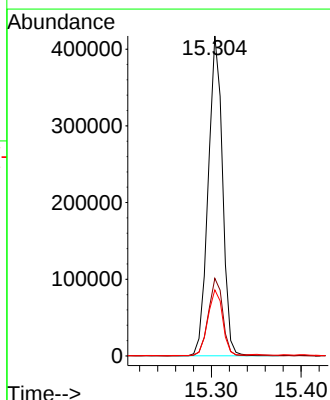
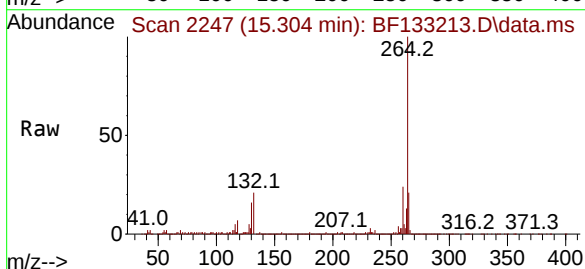
Tgt Ion:264 Resp: 460831

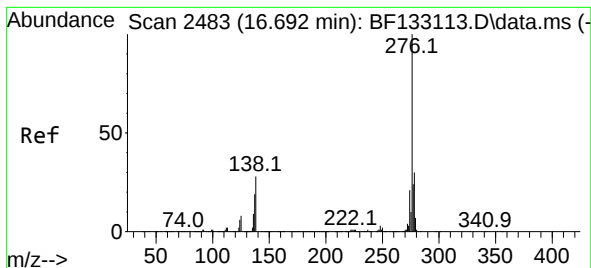
Ion Ratio Lower Upper

264 100

260 24.2 18.8 28.2

265 20.7 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 42.166 ng

RT: 16.686 min Scan# 2482

Delta R.T. -0.006 min

Lab File: BF133213.D

Acq: 03 May 2023 18:16

Instrument :

BNA\_F

ClientSampleId :

ZONE-A-6-9-05022023MS

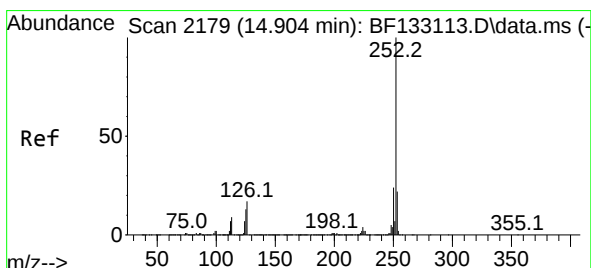
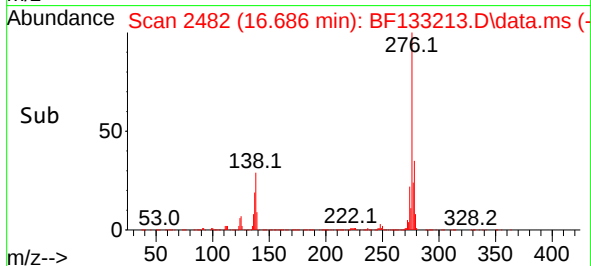
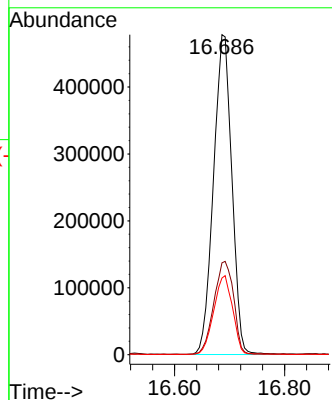
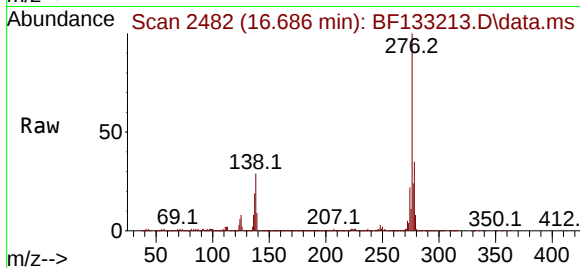
Tgt Ion:276 Resp: 1105299

Ion Ratio Lower Upper

276 100

138 31.3 25.5 38.3

277 25.4 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 42.853 ng

RT: 14.904 min Scan# 2179

Delta R.T. -0.000 min

Lab File: BF133213.D

Acq: 03 May 2023 18:16

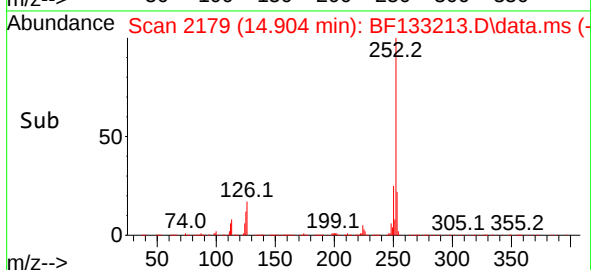
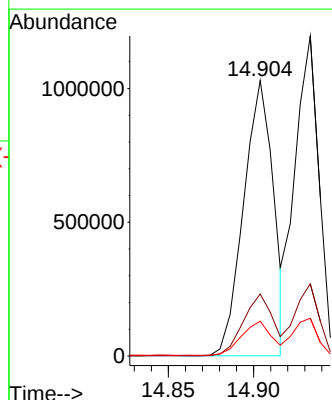
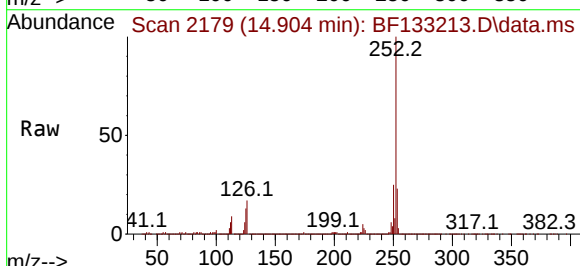
Tgt Ion:252 Resp: 1256344

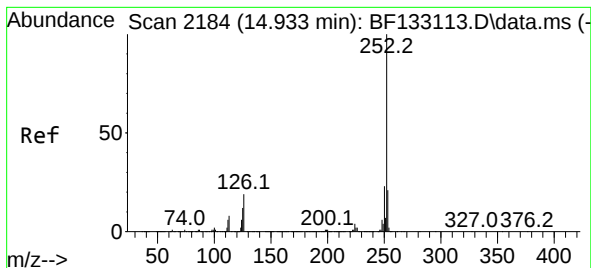
Ion Ratio Lower Upper

252 100

253 22.5 17.6 26.4

125 12.6 8.9 13.3





#89

Benzo(k)fluoranthene

Concen: 40.068 ng

RT: 14.933 min Scan# 2184

Delta R.T. -0.000 min

Lab File: BF133213.D

Acq: 03 May 2023 18:16

Instrument :

BNA\_F

ClientSampleId :

ZONE-A-6-9-05022023MS

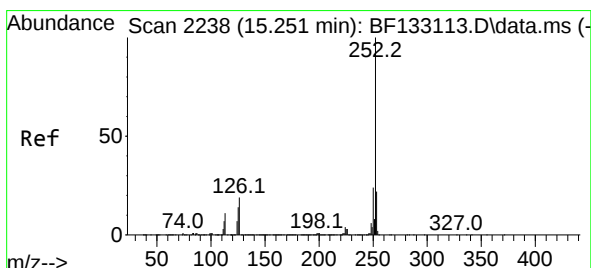
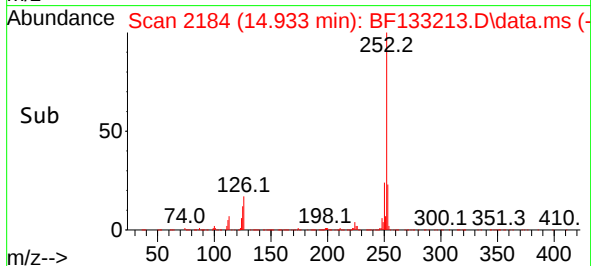
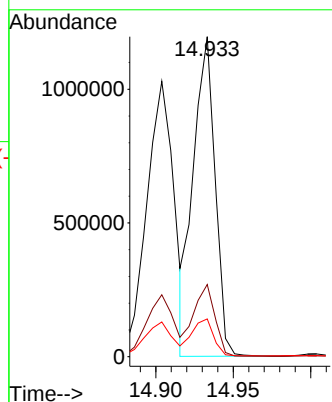
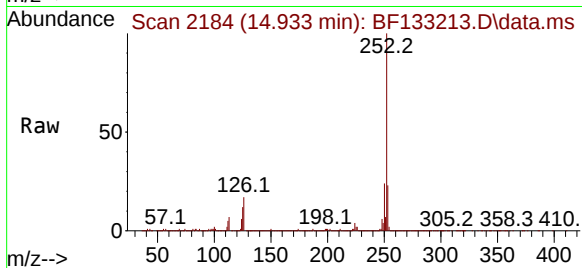
Tgt Ion:252 Resp: 1164459

Ion Ratio Lower Upper

252 100

253 22.5 17.7 26.5

125 11.8 9.0 13.4



#90

Benzo(a)pyrene

Concen: 41.060 ng

RT: 15.251 min Scan# 2238

Delta R.T. -0.000 min

Lab File: BF133213.D

Acq: 03 May 2023 18:16

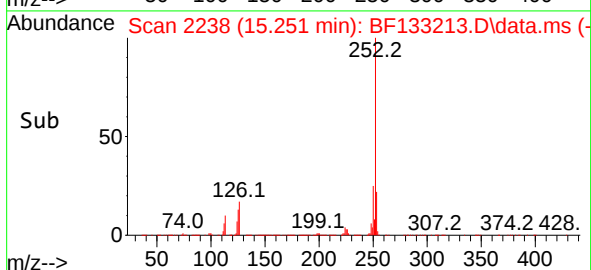
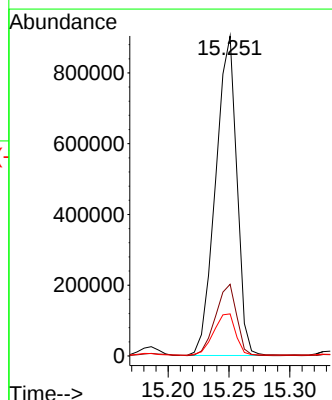
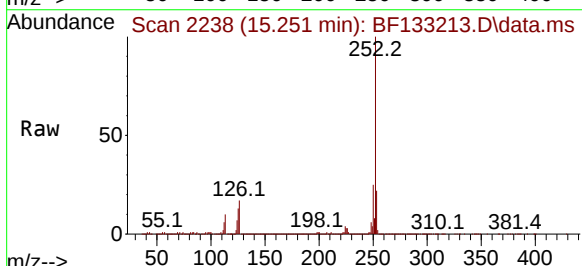
Tgt Ion:252 Resp: 1095694

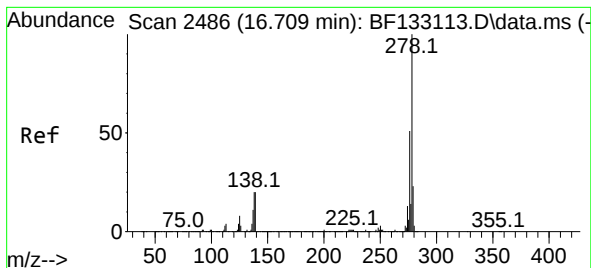
Ion Ratio Lower Upper

252 100

253 22.4 17.7 26.5

125 13.2 10.5 15.7





#91

Dibenzo(a,h)anthracene

Concen: 42.876 ng

RT: 16.704 min Scan# 2486

Delta R.T. -0.000 min

Lab File: BF133213.D

Acq: 03 May 2023 18:16

Instrument :

BNA\_F

ClientSampleId :

ZONE-A-6-9-05022023MS

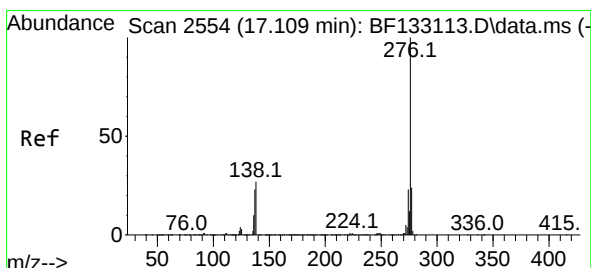
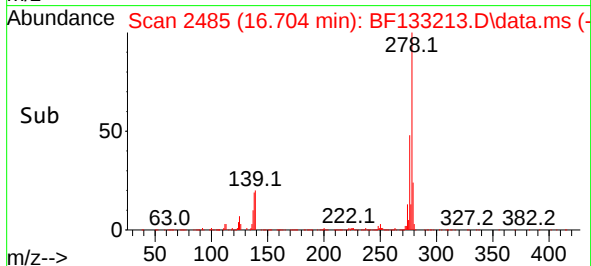
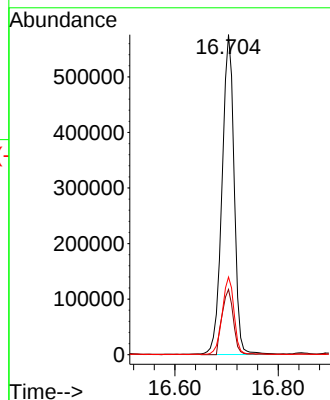
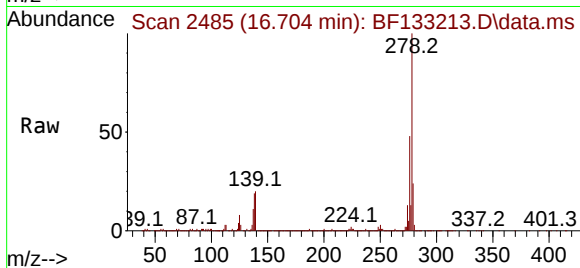
Tgt Ion:278 Resp: 937392

Ion Ratio Lower Upper

278 100

139 20.4 16.6 24.8

279 24.3 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 38.934 ng

RT: 17.104 min Scan# 2553

Delta R.T. -0.000 min

Lab File: BF133213.D

Acq: 03 May 2023 18:16

Tgt Ion:276 Resp: 840356

Ion Ratio Lower Upper

276 100

277 22.7 19.4 29.0

138 26.1 22.7 34.1

