

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102823\  
 Data File : BF136012.D  
 Acq On : 28 Oct 2023 18:42  
 Operator : CG\JU  
 Sample : 04887-02MSD  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SU-622-VOC-04MSD

Quant Time: Oct 30 00:28:39 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF102523.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 26 03:58:01 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.828  | 152  | 157342   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.104  | 136  | 617576   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.869  | 164  | 318318   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.357 | 188  | 584504   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.015 | 240  | 309865   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.498 | 264  | 354640   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.475  | 112  | 1340731  | 131.580 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.463  | 99   | 1591459  | 125.455 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.392  | 82   | 1051498  | 107.077 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.663 | 330  | 509837   | 182.985 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.192  | 172  | 1899642  | 95.559  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.957 | 244  | 2148517  | 115.847 | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.793  | 88   | 204956   | 43.301  | ng    | # 82     |
| 3) Pyridine                   | 3.493  | 79   | 430109   | 32.922  | ng    | 94       |
| 4) n-Nitrosodimethylamine     | 3.446  | 42   | 253738   | 44.543  | ng    | 97       |
| 6) Aniline                    | 6.492  | 93   | 252587   | 14.788  | ng    | 99       |
| 8) 2-Chlorophenol             | 6.610  | 128  | 570870   | 54.119  | ng    | 99       |
| 9) Benzaldehyde               | 6.381  | 77   | 112204   | 16.351  | ng    | 97       |
| 10) Phenol                    | 6.475  | 94   | 600275   | 45.264  | ng    | 98       |
| 11) bis(2-Chloroethyl)ether   | 6.569  | 93   | 547191   | 53.009  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.769  | 146  | 581877   | 51.933  | ng    | 96       |
| 13) 1,4-Dichlorobenzene       | 6.845  | 146  | 594327   | 52.816  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 6.992  | 146  | 565902   | 54.156  | ng    | 98       |
| 15) Benzyl Alcohol            | 6.969  | 79   | 458801   | 51.162  | ng    | 97       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.104  | 45   | 751161   | 49.412  | ng    | 97       |
| 17) 2-Methylphenol            | 7.081  | 107  | 426371   | 45.862  | ng    | 99       |
| 18) Hexachloroethane          | 7.333  | 117  | 209642   | 54.790  | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 7.245  | 70   | 362103   | 50.197  | ng    | 96       |
| 20) 3+4-Methylphenols         | 7.233  | 107  | 510170   | 45.467  | ng    | # 84     |
| 22) Acetophenone              | 7.239  | 105  | 738341   | 52.933  | ng    | # 93     |
| 24) Nitrobenzene              | 7.410  | 77   | 555574   | 53.982  | ng    | 99       |
| 25) Isophorone                | 7.645  | 82   | 1039233  | 53.237  | ng    | 100      |
| 26) 2-Nitrophenol             | 7.722  | 139  | 279330   | 65.719  | ng    | 99       |
| 27) 2,4-Dimethylphenol        | 7.763  | 122  | 423361   | 47.585  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.863  | 93   | 646675   | 53.946  | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 7.963  | 162  | 456677   | 57.321  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.045  | 180  | 503994   | 55.872  | ng    | 100      |
| 31) Naphthalene               | 8.128  | 128  | 1600645  | 53.608  | ng    | 100      |
| 32) Benzoic acid              | 7.886  | 122  | 327712   | 63.725  | ng    | 88       |
| 33) 4-Chloroaniline           | 8.175  | 127  | 37872    | 2.870   | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.245  | 225  | 282682   | 55.598  | ng    | 100      |
| 35) Caprolactam               | 8.551  | 113  | 97931    | 36.938  | ng    | 96       |
| 36) 4-Chloro-3-methylphenol   | 8.657  | 107  | 482938   | 57.041  | ng    | 98       |
| 37) 2-Methylnaphthalene       | 8.822  | 142  | 1000240  | 50.631  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.922  | 142  | 973047   | 52.713  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 8.986  | 216  | 476611   | 53.012  | ng    | 100      |
| 41) Hexachlorocyclopentadiene | 8.975  | 237  | 472872   | 106.668 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.098  | 196  | 318775   | 60.580  | ng    | 98       |

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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 26 03:58:01 2023  
 Response via : Initial Calibration

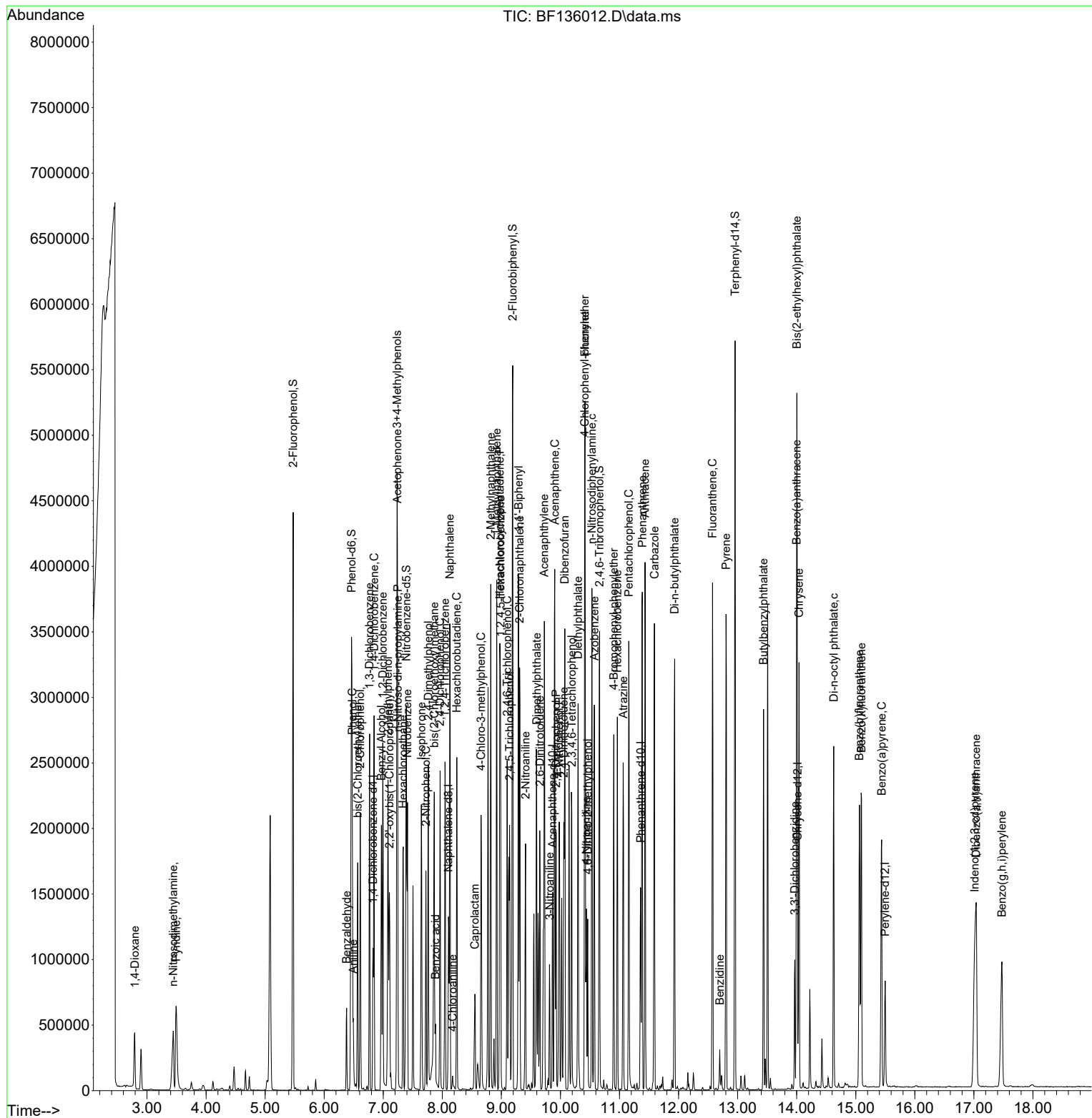
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.139  | 196  | 353785   | 56.626  | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.292  | 154  | 1273196  | 52.786  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.310  | 162  | 970072   | 54.374  | ng    | 98       |
| 48) 2-Nitroaniline            | 9.410  | 65   | 303074   | 59.044  | ng    | 93       |
| 49) Acenaphthylene            | 9.727  | 152  | 1535270  | 54.548  | ng    | 99       |
| 50) Dimethylphthalate         | 9.598  | 163  | 1119421  | 54.228  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.651  | 165  | 258752   | 59.200  | ng    | 93       |
| 52) Acenaphthene              | 9.904  | 154  | 923471   | 51.197  | ng    | 99       |
| 53) 3-Nitroaniline            | 9.816  | 138  | 143880   | 29.988  | ng    | # 95     |
| 54) 2,4-Dinitrophenol         | 9.927  | 184  | 232866   | 108.727 | ng    | 93       |
| 55) Dibenzofuran              | 10.074 | 168  | 1347697  | 51.719  | ng    | 99       |
| 56) 4-Nitrophenol             | 9.980  | 139  | 428407   | 101.107 | ng    | 96       |
| 57) 2,4-Dinitrotoluene        | 10.057 | 165  | 343668   | 62.827  | ng    | 98       |
| 58) Fluorene                  | 10.416 | 166  | 1005235  | 51.563  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.192 | 232  | 299077   | 63.615  | ng    | 98       |
| 60) Diethylphthalate          | 10.298 | 149  | 1075778  | 54.650  | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 10.410 | 204  | 477472   | 50.773  | ng    | 96       |
| 62) 4-Nitroaniline            | 10.439 | 138  | 267688   | 52.329  | ng    | 94       |
| 63) Azobenzene                | 10.574 | 77   | 1020680  | 51.094  | ng    | 96       |
| 65) 4,6-Dinitro-2-methylph... | 10.463 | 198  | 159616   | 68.881  | ng    | 96       |
| 66) n-Nitrosodiphenylamine    | 10.533 | 169  | 936738   | 53.049  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.904 | 248  | 328721   | 54.915  | ng    | 96       |
| 68) Hexachlorobenzene         | 10.963 | 284  | 377224   | 58.992  | ng    | 96       |
| 69) Atrazine                  | 11.063 | 200  | 333179   | 69.215  | ng    | 97       |
| 70) Pentachlorophenol         | 11.157 | 266  | 428433   | 104.319 | ng    | 99       |
| 71) Phenanthrene              | 11.386 | 178  | 1573238  | 53.201  | ng    | 100      |
| 72) Anthracene                | 11.433 | 178  | 1604784  | 53.000  | ng    | 100      |
| 73) Carbazole                 | 11.592 | 167  | 1428504  | 52.887  | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.933 | 149  | 1669686  | 58.092  | ng    | 99       |
| 75) Fluoranthene              | 12.574 | 202  | 1581077  | 50.821  | ng    | 97       |
| 77) Benzidine                 | 12.698 | 184  | 107017   | 17.911  | ng    | 98       |
| 78) Pyrene                    | 12.804 | 202  | 1580539  | 60.749  | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.439 | 149  | 632259   | 63.002  | ng    | 96       |
| 81) Benzo(a)anthracene        | 13.998 | 228  | 1147546  | 54.466  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.968 | 252  | 206001   | 32.138  | ng    | 98       |
| 83) Chrysene                  | 14.039 | 228  | 1101506  | 53.679  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.004 | 149  | 773147   | 72.266  | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.627 | 149  | 1263928  | 74.995  | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.015 | 276  | 1097262  | 54.565  | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 15.062 | 252  | 1184116  | 56.105  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.098 | 252  | 982002   | 47.375  | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.439 | 252  | 989332   | 50.861  | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 17.039 | 278  | 922886   | 53.654  | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.474 | 276  | 837130   | 43.212  | ng    | 98       |

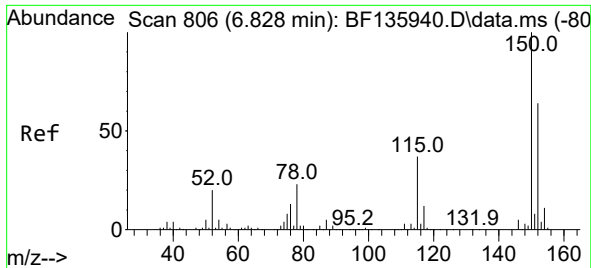
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Operator  : CG\JU  
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Misc      :  
ALS Vial  : 15    Sample Multiplier: 1
```

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BNA\_F  
**ClientSampleId :**  
SU-622-VOC-04MSD

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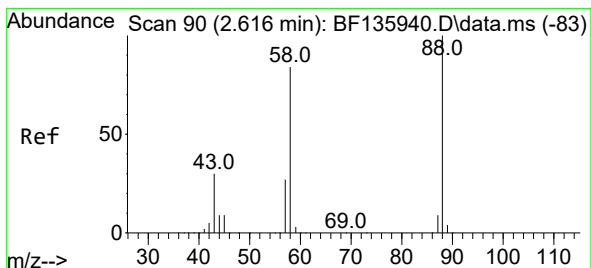
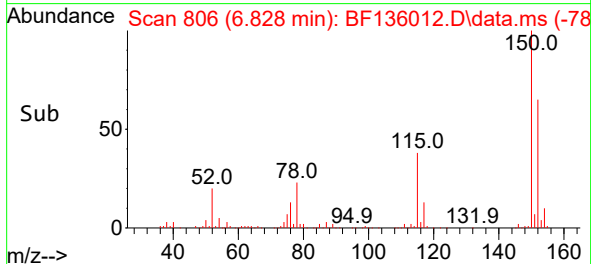
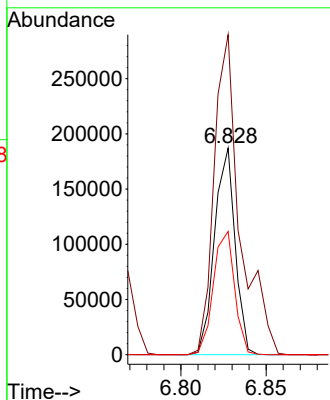
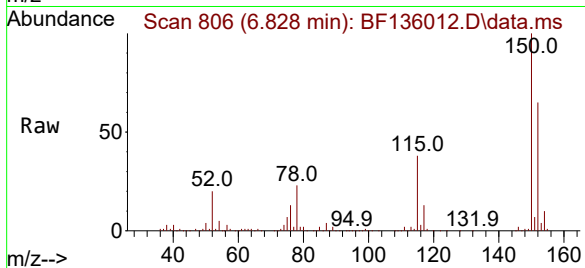




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.828 min Scan# 80  
 Delta R.T. -0.000 min  
 Lab File: BF136012.D  
 Acq: 28 Oct 2023 18:42

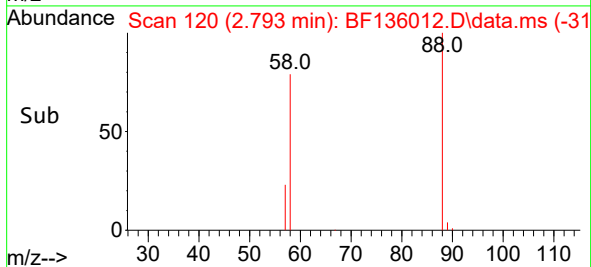
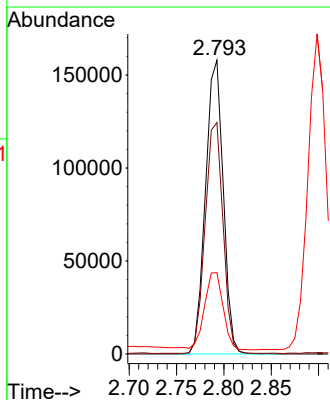
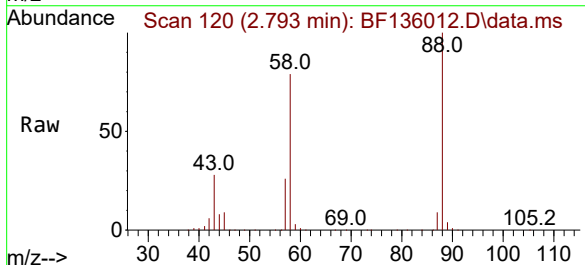
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 SU-622-VOC-04MSD

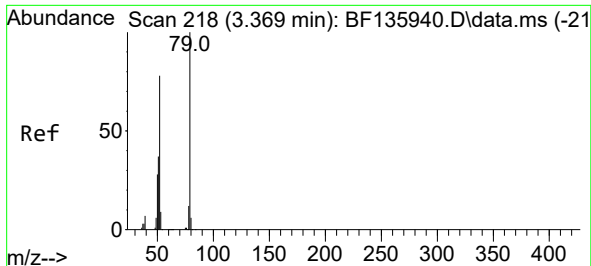
Tgt Ion:152 Resp: 157342  
 Ion Ratio Lower Upper  
 152 100  
 150 154.9 124.6 186.8  
 115 59.6 46.6 69.8



#2  
 1,4-Dioxane  
 Concen: 43.301 ng  
 RT: 2.793 min Scan# 120  
 Delta R.T. 0.176 min  
 Lab File: BF136012.D  
 Acq: 28 Oct 2023 18:42

Tgt Ion: 88 Resp: 204956  
 Ion Ratio Lower Upper  
 88 100  
 58 79.4 66.6 100.0  
 43 0.0 23.8 35.8

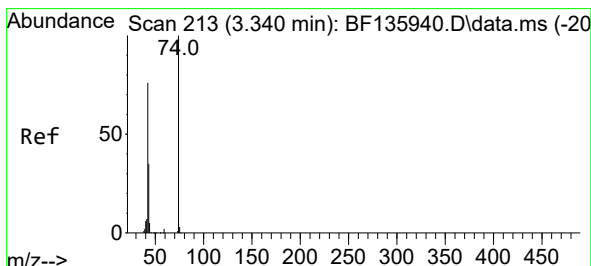
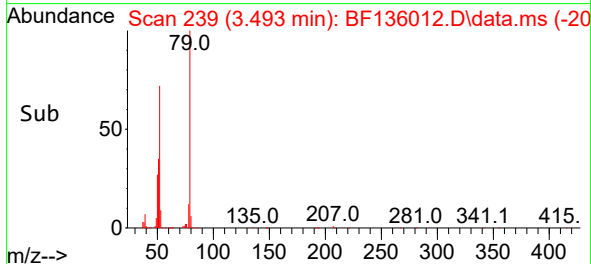
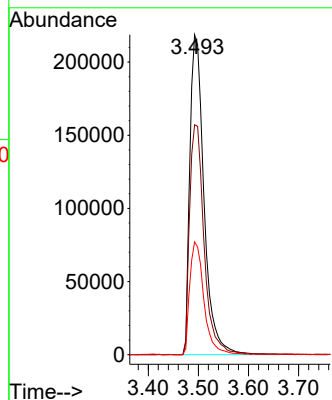
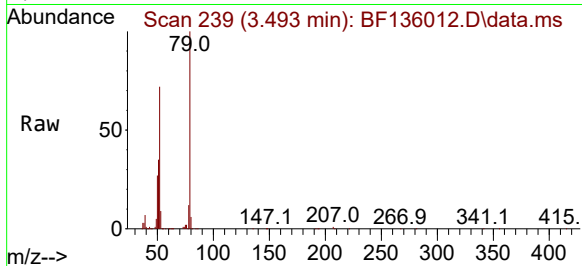




#3  
Pyridine  
Concen: 32.922 ng  
RT: 3.493 min Scan# 218  
Delta R.T. 0.123 min  
Lab File: BF136012.D  
Acq: 28 Oct 2023 18:42

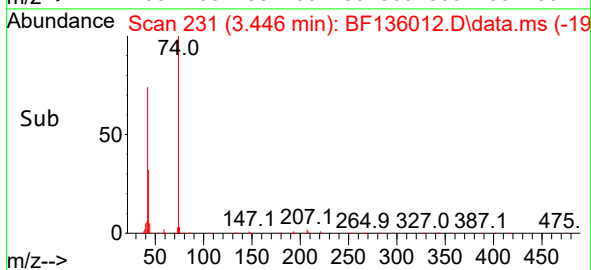
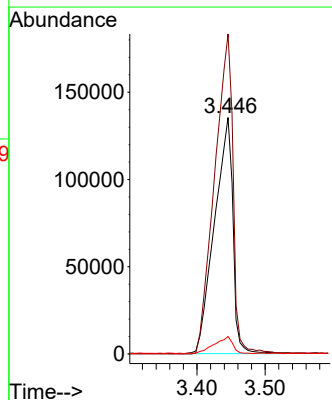
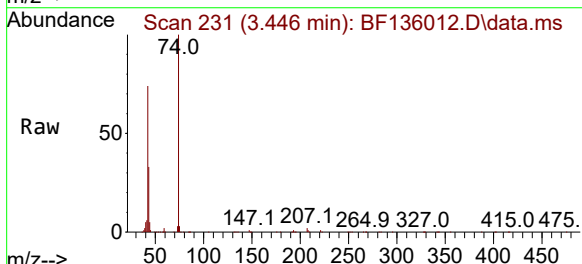
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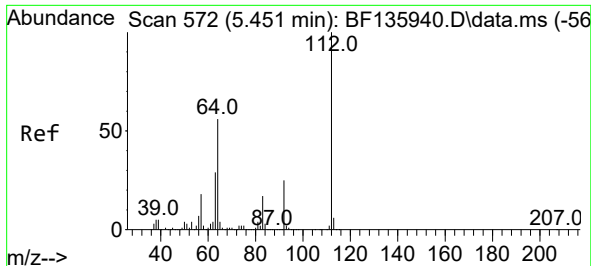
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Ion Ratio Lower Upper  
79 100  
52 71.9 62.6 93.8  
51 35.2 29.8 44.8



#4  
n-Nitrosodimethylamine  
Concen: 44.543 ng  
RT: 3.446 min Scan# 231  
Delta R.T. 0.106 min  
Lab File: BF136012.D  
Acq: 28 Oct 2023 18:42

Tgt Ion: 42 Resp: 253738  
Ion Ratio Lower Upper  
42 100  
74 135.3 104.8 157.2  
44 7.4 5.9 8.9

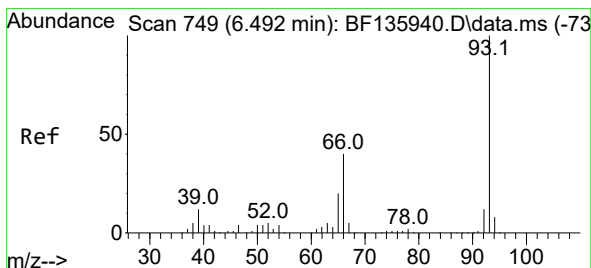
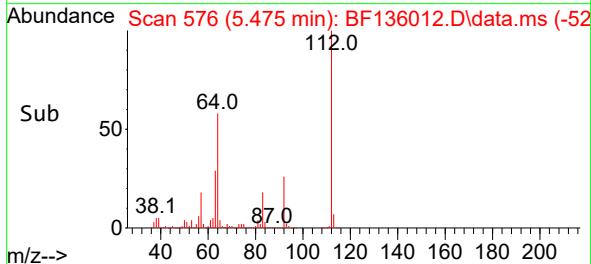
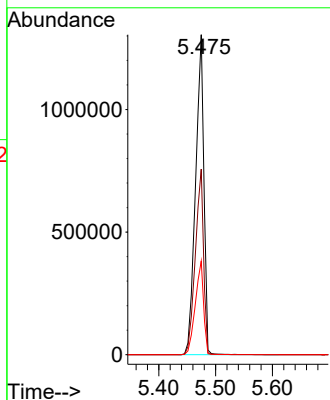
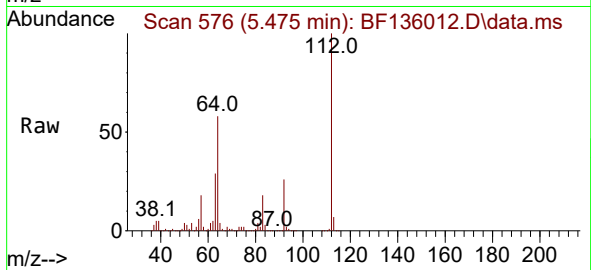




#5  
2-Fluorophenol  
Concen: 131.580 ng  
RT: 5.475 min Scan# 51  
Delta R.T. 0.023 min  
Lab File: BF136012.D  
Acq: 28 Oct 2023 18:42

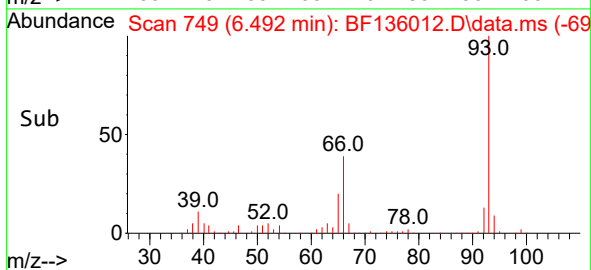
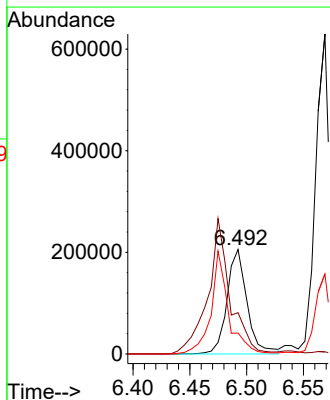
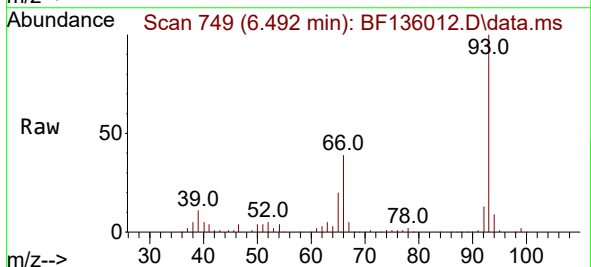
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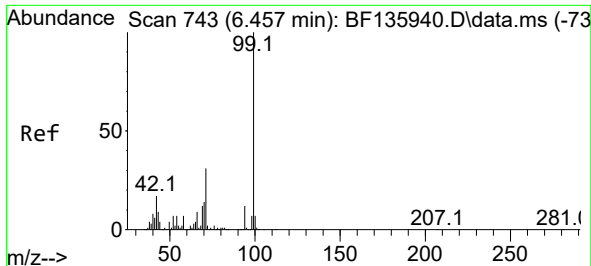
Tgt Ion:112 Resp: 1340731  
Ion Ratio Lower Upper  
112 100  
64 58.0 45.1 67.7  
63 29.3 23.0 34.4



#6  
Aniline  
Concen: 14.788 ng  
RT: 6.492 min Scan# 749  
Delta R.T. -0.000 min  
Lab File: BF136012.D  
Acq: 28 Oct 2023 18:42

Tgt Ion: 93 Resp: 252587  
Ion Ratio Lower Upper  
93 100  
66 39.5 32.0 48.0  
65 20.0 16.2 24.4

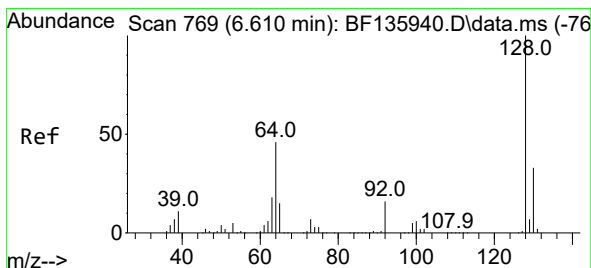
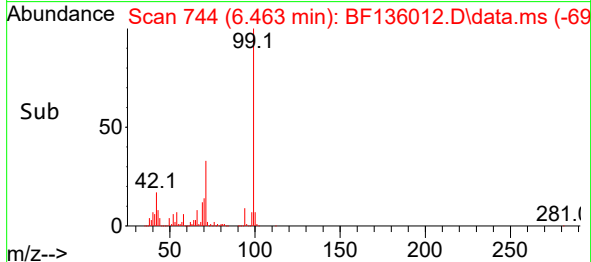
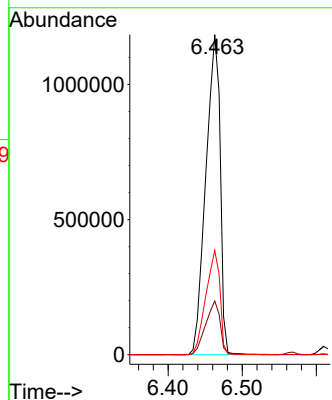
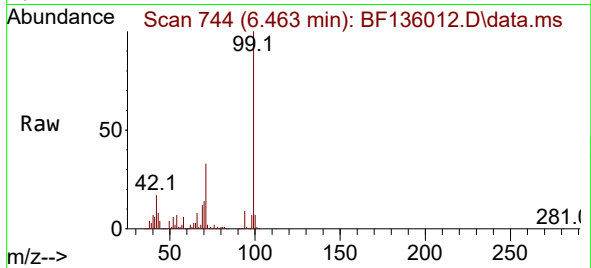




#7  
Phenol-d6  
Concen: 125.455 ng  
RT: 6.463 min Scan# 743  
Delta R.T. 0.006 min  
Lab File: BF136012.D  
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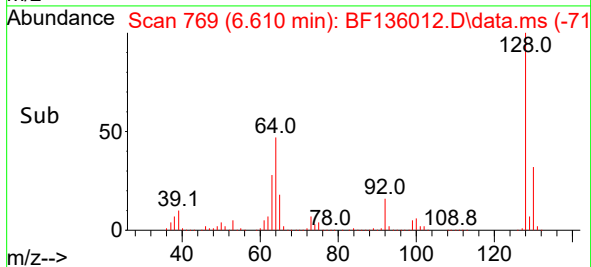
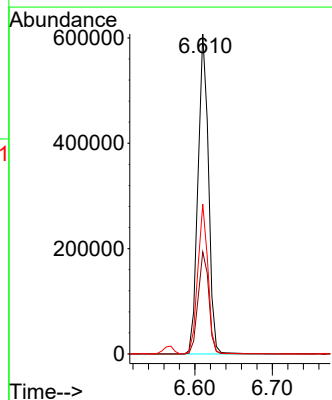
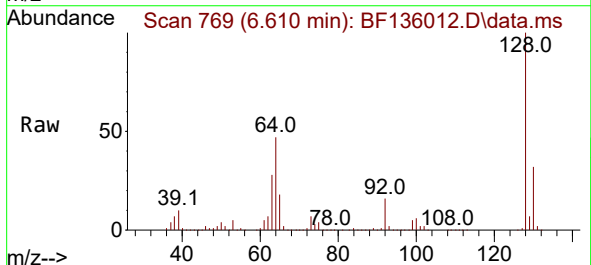
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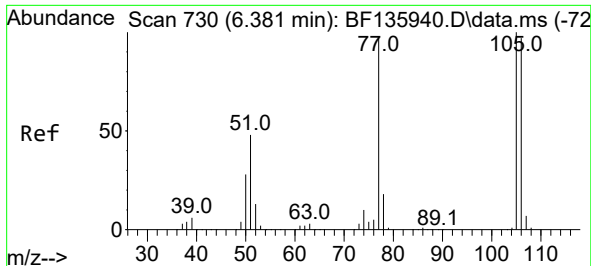
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Ion Ratio Lower Upper  
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42 16.8 13.8 20.8  
71 32.6 25.1 37.7



#8  
2-Chlorophenol  
Concen: 54.119 ng  
RT: 6.610 min Scan# 769  
Delta R.T. -0.000 min  
Lab File: BF136012.D  
Acq: 28 Oct 2023 18:42

Tgt Ion:128 Resp: 570870  
Ion Ratio Lower Upper  
128 100  
130 31.9 13.1 53.1  
64 46.8 27.0 67.0





#9

Benzaldehyde

Concen: 16.351 ng

RT: 6.381 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF136012.D

Acq: 28 Oct 2023 18:42

Instrument :

BNA\_F

ClientSampleId :

SU-622-VOC-04MSD

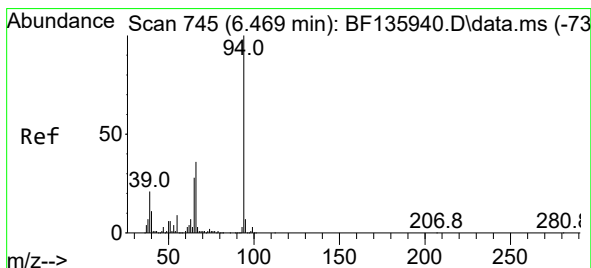
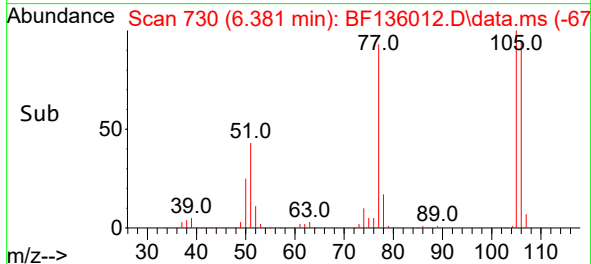
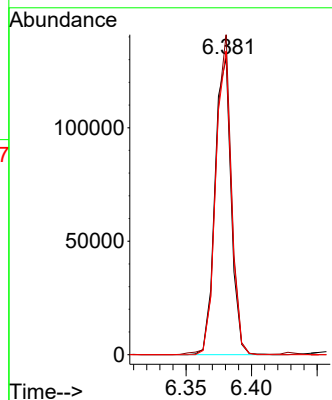
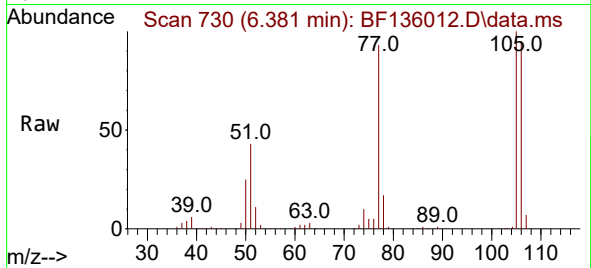
Tgt Ion: 77 Resp: 112204

Ion Ratio Lower Upper

77 100

105 107.8 83.2 123.2

106 102.4 80.0 120.0



#10

Phenol

Concen: 45.264 ng

RT: 6.475 min Scan# 746

Delta R.T. 0.006 min

Lab File: BF136012.D

Acq: 28 Oct 2023 18:42

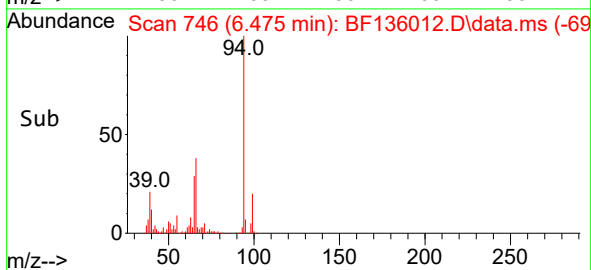
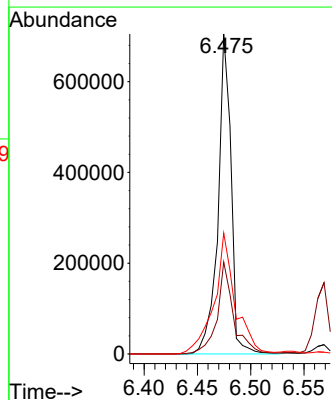
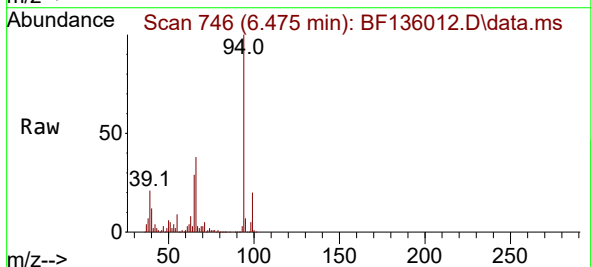
Tgt Ion: 94 Resp: 600275

Ion Ratio Lower Upper

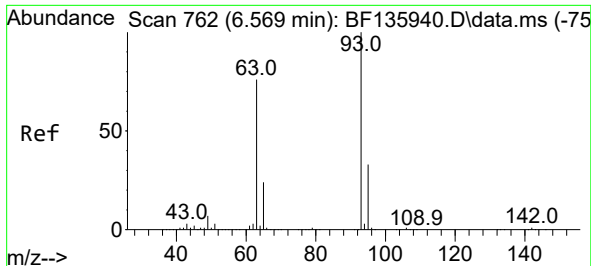
94 100

65 28.7 7.8 47.8

66 37.8 16.5 56.5



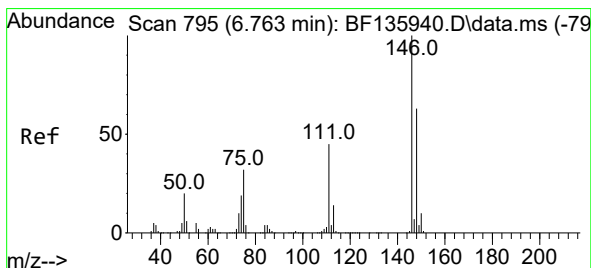
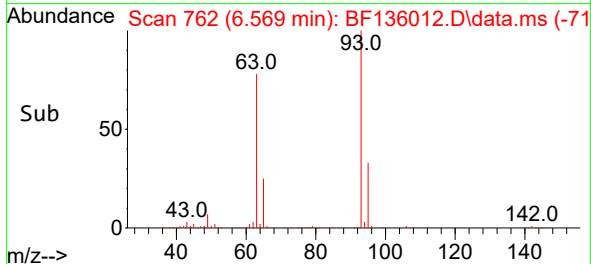
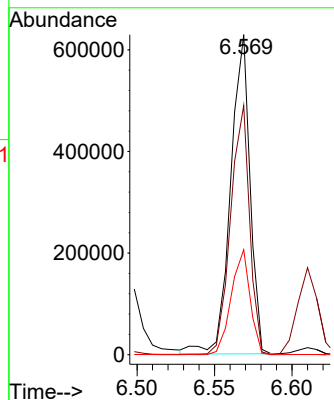
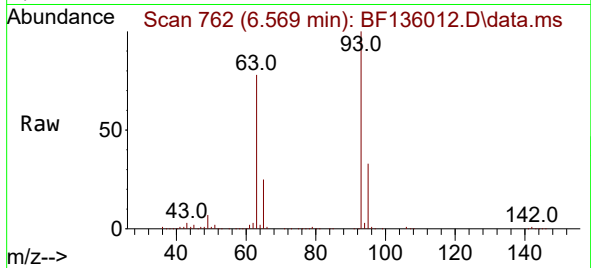




#11  
bis(2-Chloroethyl)ether  
Concen: 53.009 ng  
RT: 6.569 min Scan# 762  
Delta R.T. -0.000 min  
Lab File: BF136012.D  
Acq: 28 Oct 2023 18:42

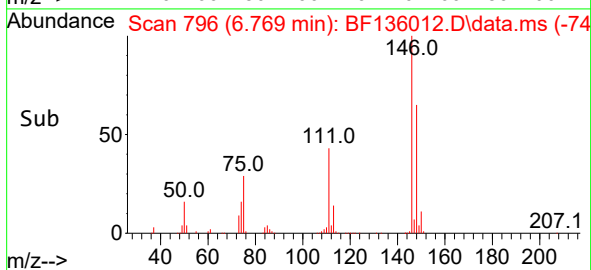
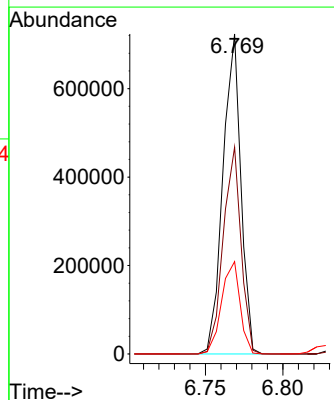
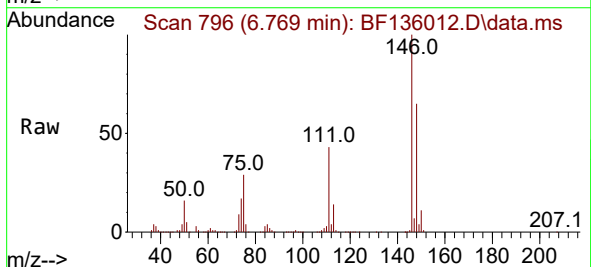
Instrument :  
BNA\_F  
ClientSampleId :  
SU-622-VOC-04MSD

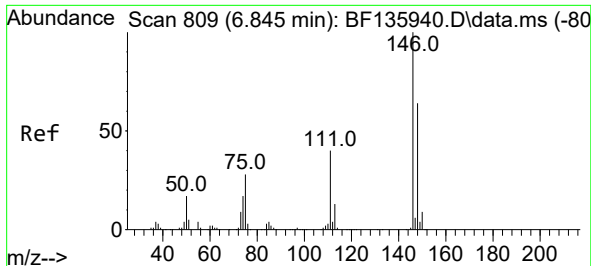
Tgt Ion: 93 Resp: 547191  
Ion Ratio Lower Upper  
93 100  
63 77.9 56.2 96.2  
95 32.8 12.9 52.9



#12  
1,3-Dichlorobenzene  
Concen: 51.933 ng  
RT: 6.769 min Scan# 796  
Delta R.T. 0.006 min  
Lab File: BF136012.D  
Acq: 28 Oct 2023 18:42

Tgt Ion:146 Resp: 581877  
Ion Ratio Lower Upper  
146 100  
148 64.7 50.2 75.4  
75 28.8 25.9 38.9





#13

1,4-Dichlorobenzene

Concen: 52.816 ng

RT: 6.845 min Scan# 809

Delta R.T. -0.000 min

Lab File: BF136012.D

Acq: 28 Oct 2023 18:42

Instrument :

BNA\_F

ClientSampleId :

SU-622-VOC-04MSD

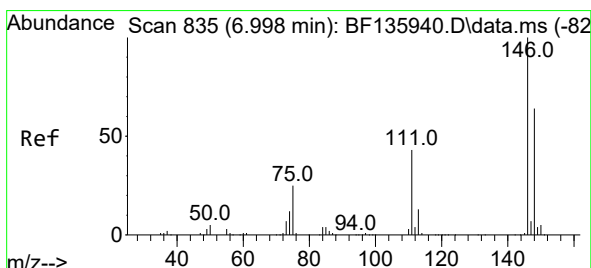
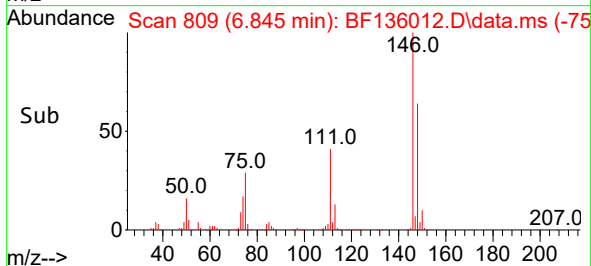
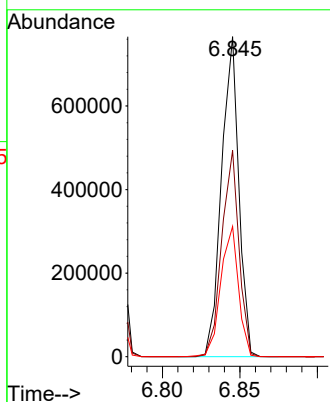
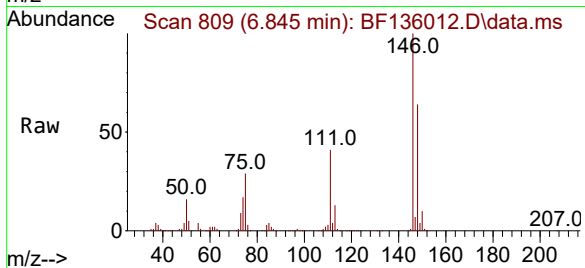
Tgt Ion:146 Resp: 594327

Ion Ratio Lower Upper

146 100

148 64.5 51.4 77.2

111 40.7 31.8 47.8



#14

1,2-Dichlorobenzene

Concen: 54.156 ng

RT: 6.992 min Scan# 834

Delta R.T. -0.006 min

Lab File: BF136012.D

Acq: 28 Oct 2023 18:42

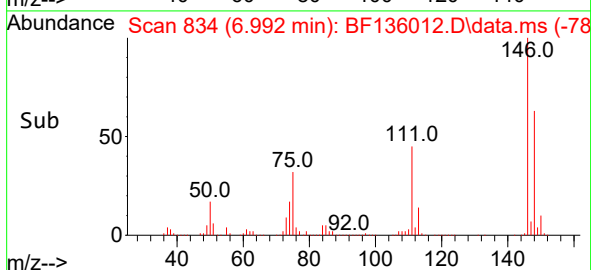
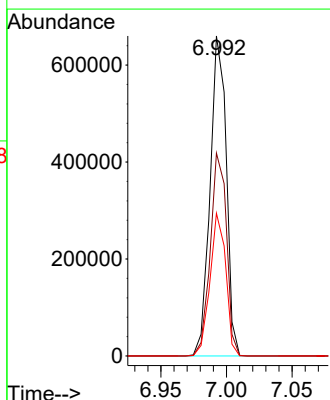
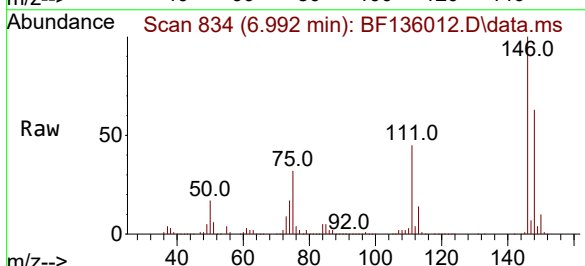
Tgt Ion:146 Resp: 565902

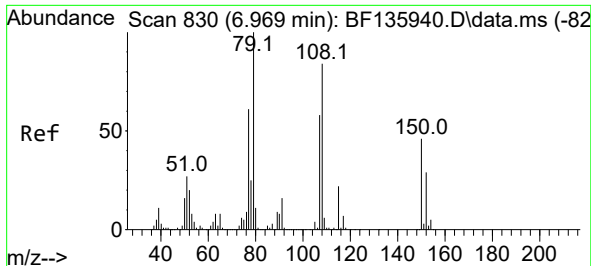
Ion Ratio Lower Upper

146 100

148 63.4 51.4 77.0

111 44.6 34.2 51.4

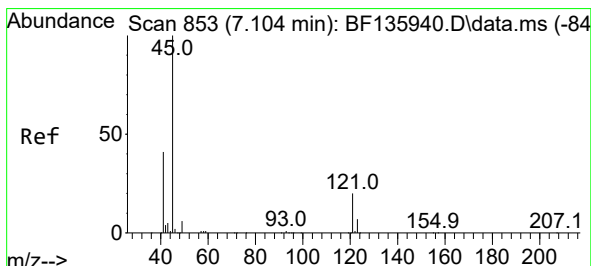
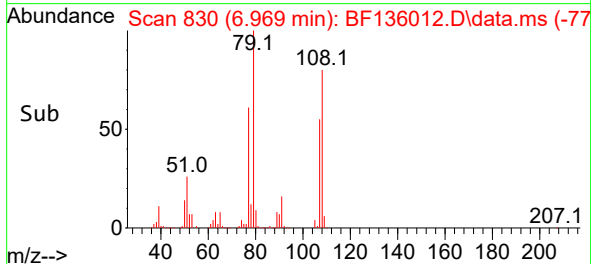
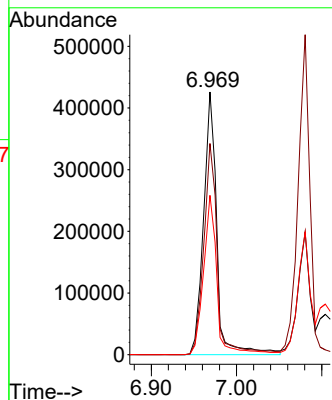
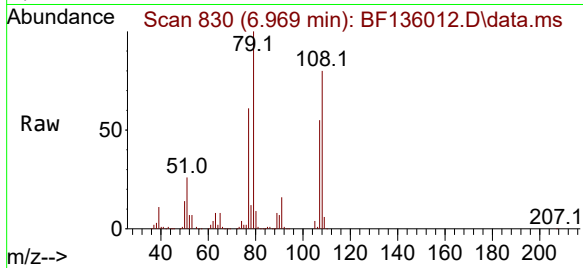




#15  
Benzyl Alcohol  
Concen: 51.162 ng  
RT: 6.969 min Scan# 830  
Delta R.T. -0.000 min  
Lab File: BF136012.D  
Acq: 28 Oct 2023 18:42

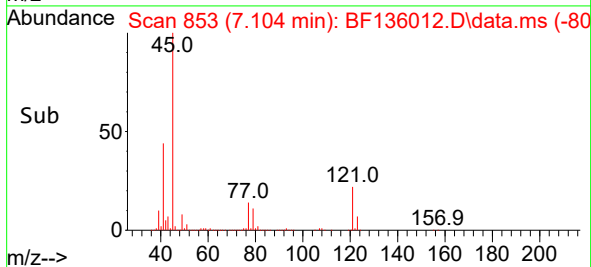
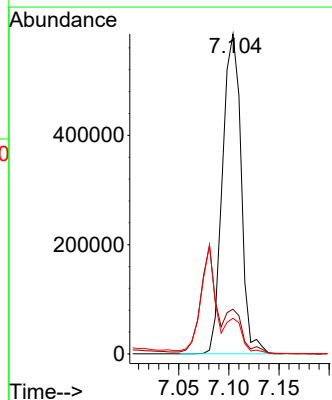
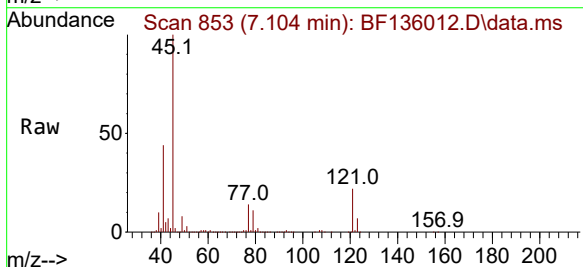
Instrument :  
BNA\_F  
ClientSampleId :  
SU-622-VOC-04MSD

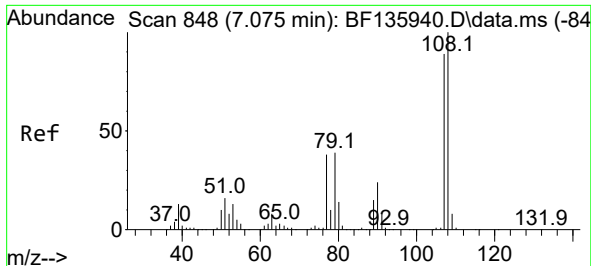
Tgt Ion: 79 Resp: 458801  
Ion Ratio Lower Upper  
79 100  
108 80.4 67.2 100.8  
77 60.6 49.0 73.6



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 49.412 ng  
RT: 7.104 min Scan# 853  
Delta R.T. -0.000 min  
Lab File: BF136012.D  
Acq: 28 Oct 2023 18:42

Tgt Ion: 45 Resp: 751161  
Ion Ratio Lower Upper  
45 100  
77 14.0 0.0 33.2  
79 11.2 0.0 29.8

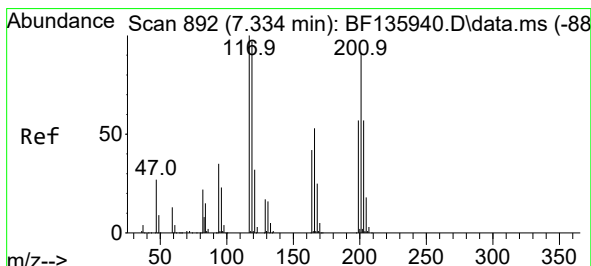
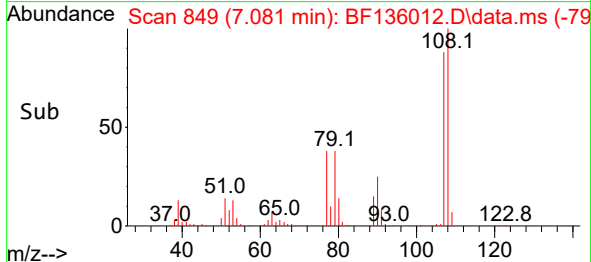
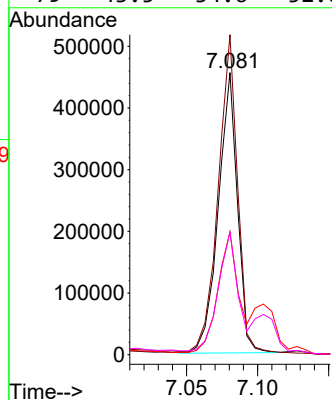
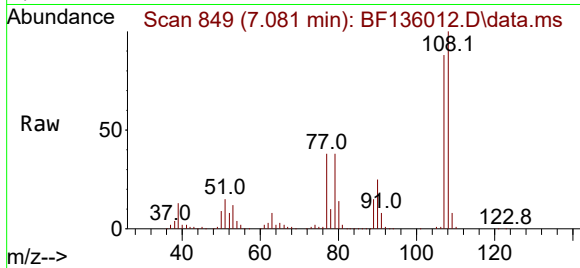




#17  
2-Methylphenol  
Concen: 45.862 ng  
RT: 7.081 min Scan# 848  
Delta R.T. 0.006 min  
Lab File: BF136012.D  
Acq: 28 Oct 2023 18:42

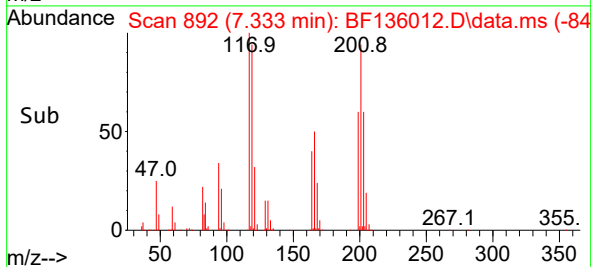
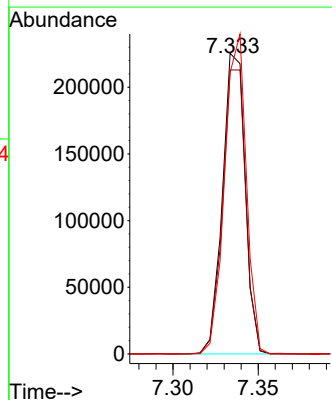
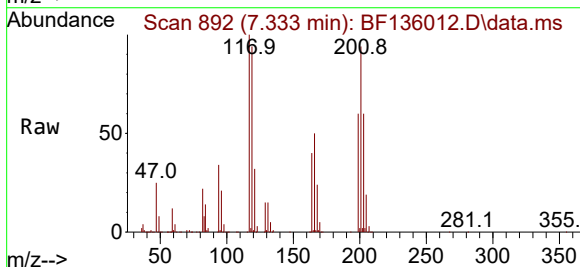
Instrument :  
BNA\_F  
ClientSampleId :  
SU-622-VOC-04MSD

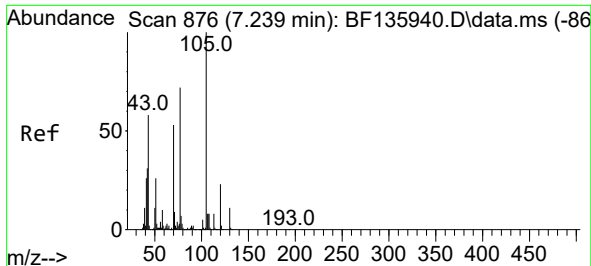
Tgt Ion:107 Resp: 426371  
Ion Ratio Lower Upper  
107 100  
108 113.4 89.8 134.6  
77 43.6 34.2 51.2  
79 43.5 34.6 52.0



#18  
Hexachloroethane  
Concen: 54.790 ng  
RT: 7.333 min Scan# 892  
Delta R.T. -0.000 min  
Lab File: BF136012.D  
Acq: 28 Oct 2023 18:42

Tgt Ion:117 Resp: 209642  
Ion Ratio Lower Upper  
117 100  
119 94.4 77.3 115.9  
201 93.5 72.8 109.2

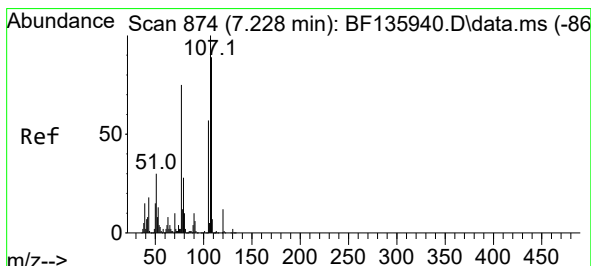
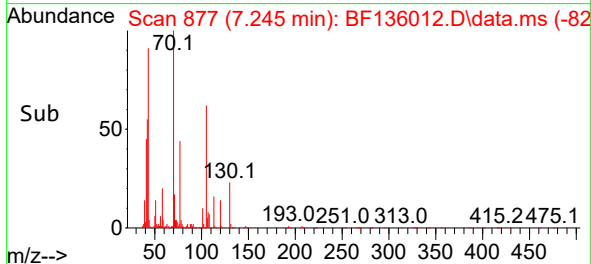
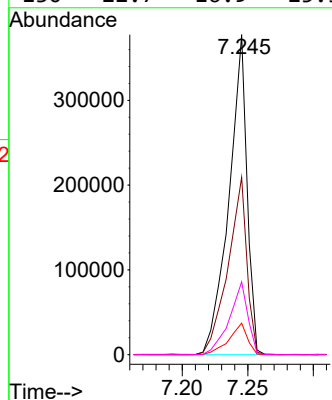
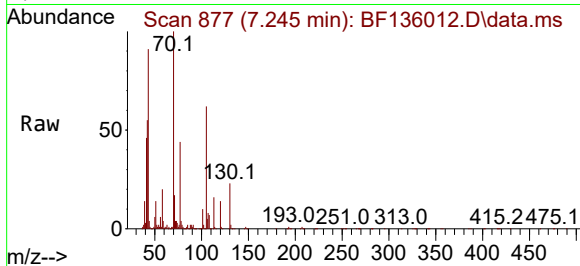




#19  
n-Nitroso-di-n-propylamine  
Concen: 50.197 ng  
RT: 7.245 min Scan# 81  
Delta R.T. 0.006 min  
Lab File: BF136012.D  
Acq: 28 Oct 2023 18:42

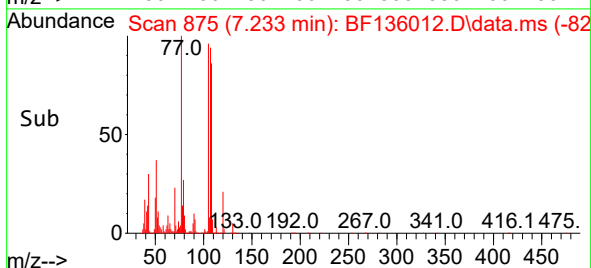
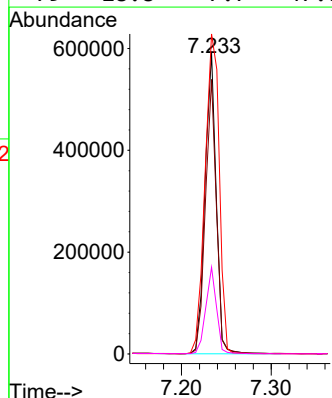
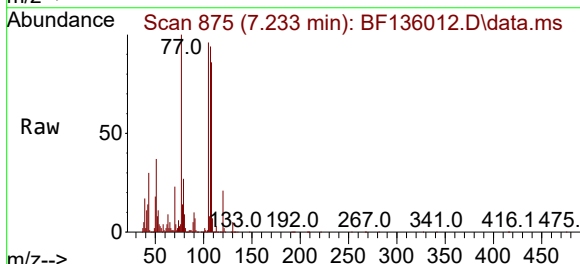
Instrument :  
BNA\_F  
ClientSampleId :  
SU-622-VOC-04MSD

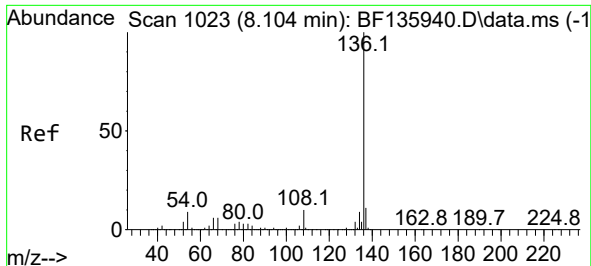
Tgt Ion: 70 Resp: 362103  
Ion Ratio Lower Upper  
70 100  
42 55.4 47.3 70.9  
101 9.8 7.8 11.8  
130 22.7 16.9 25.3



#20  
3+4-Methylphenols  
Concen: 45.467 ng  
RT: 7.233 min Scan# 875  
Delta R.T. 0.006 min  
Lab File: BF136012.D  
Acq: 28 Oct 2023 18:42

Tgt Ion: 107 Resp: 510170  
Ion Ratio Lower Upper  
107 100  
108 91.1 69.1 109.1  
77 106.3 55.0 95.0#  
79 28.8 7.7 47.7

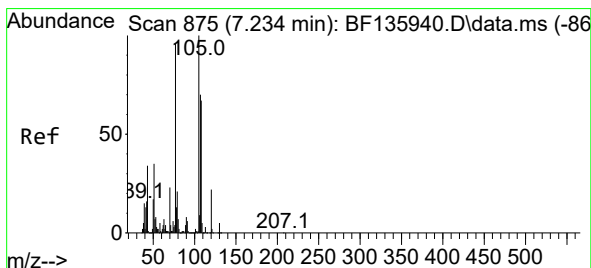
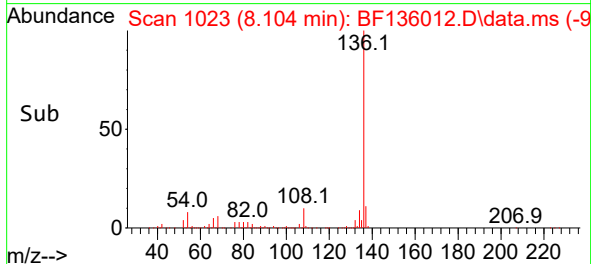
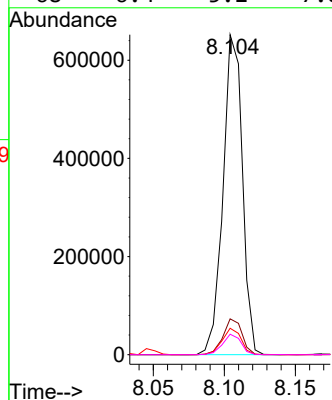
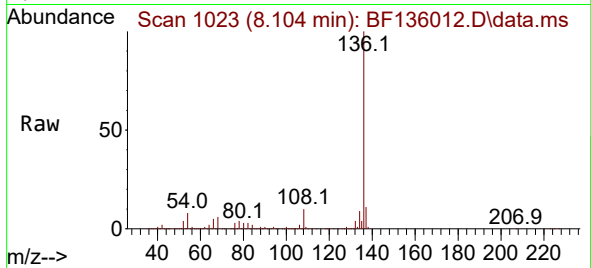




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.104 min Scan# 1023  
Delta R.T. 0.000 min  
Lab File: BF136012.D  
Acq: 28 Oct 2023 18:42

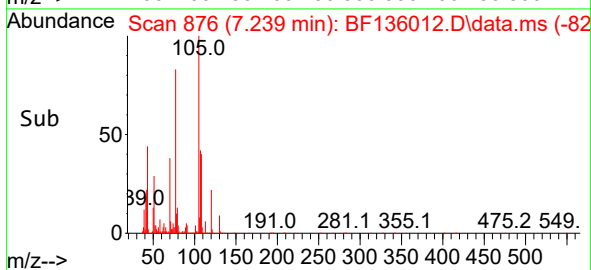
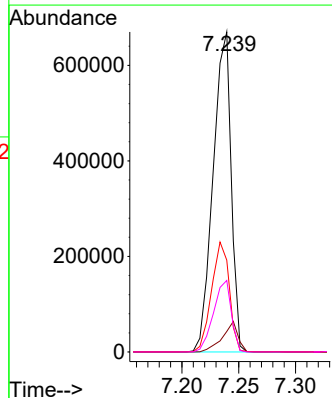
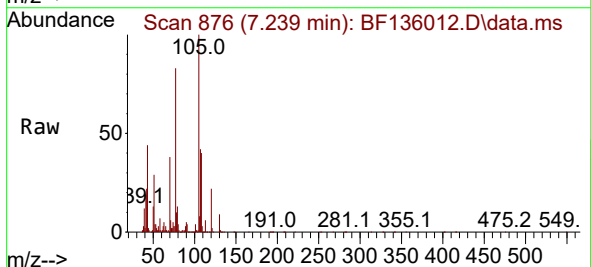
Instrument :  
BNA\_F  
ClientSampleId :  
SU-622-VOC-04MSD

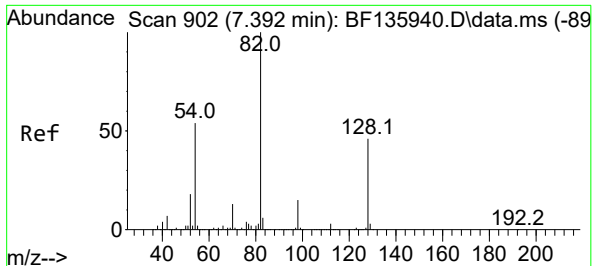
Tgt Ion:136 Resp: 617576  
Ion Ratio Lower Upper  
136 100  
137 11.2 9.0 13.6  
54 8.2 7.1 10.7  
68 6.4 5.2 7.8



#22  
Acetophenone  
Concen: 52.933 ng  
RT: 7.239 min Scan# 876  
Delta R.T. 0.006 min  
Lab File: BF136012.D  
Acq: 28 Oct 2023 18:42

Tgt Ion:105 Resp: 738341  
Ion Ratio Lower Upper  
105 100  
71 6.4 3.4 5.2#  
51 28.7 28.4 42.6  
120 22.3 17.8 26.6





#23

Nitrobenzene-d5

Concen: 107.077 ng

RT: 7.392 min Scan# 902

Delta R.T. 0.000 min

Lab File: BF136012.D

Acq: 28 Oct 2023 18:42

Instrument :

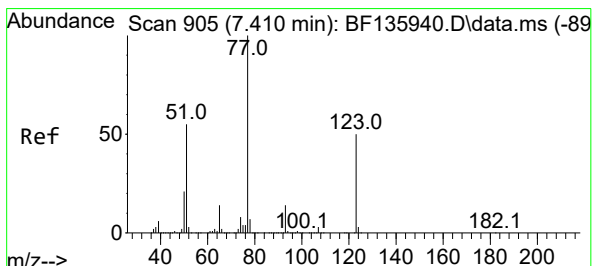
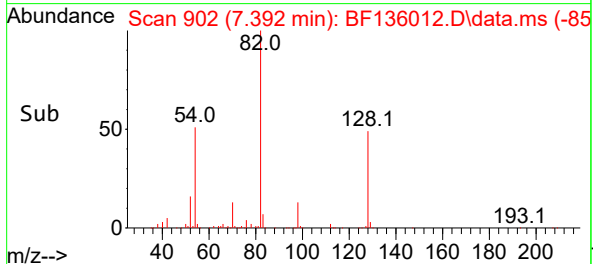
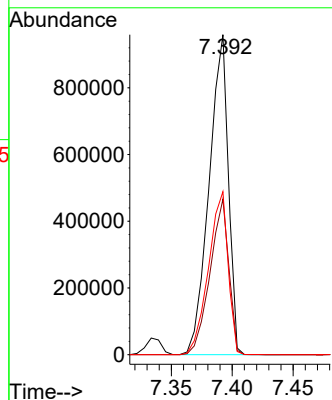
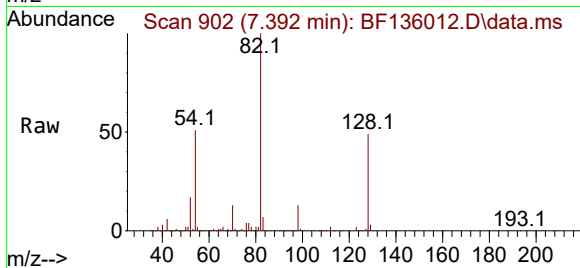
BNA\_F

ClientSampleId :

SU-622-VOC-04MSD

Tgt Ion: 82 Resp: 1051498

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 48.6  | 36.8  | 55.2  |
| 54  | 50.9  | 43.4  | 65.0  |



#24

Nitrobenzene

Concen: 53.982 ng

RT: 7.410 min Scan# 905

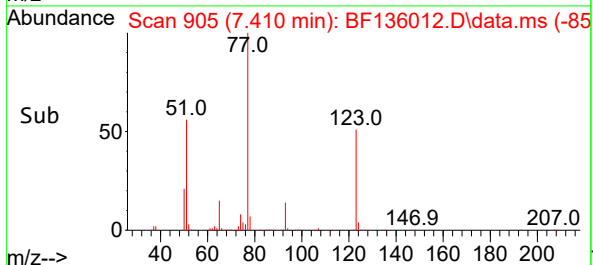
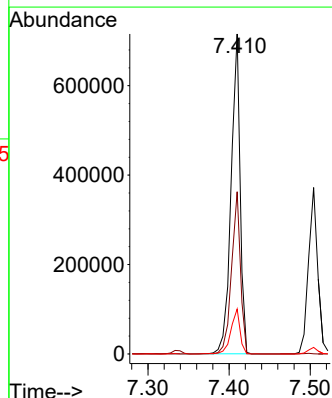
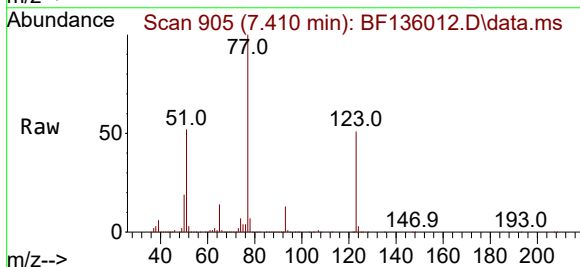
Delta R.T. -0.000 min

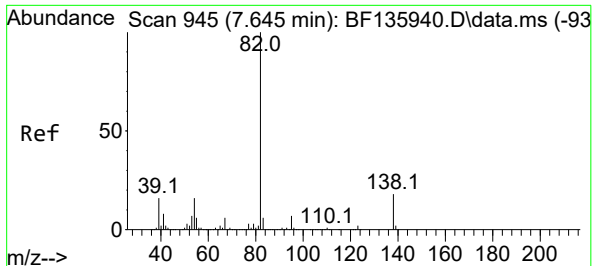
Lab File: BF136012.D

Acq: 28 Oct 2023 18:42

Tgt Ion: 77 Resp: 555574

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 123 | 50.7  | 40.2  | 60.2  |
| 65  | 14.1  | 11.0  | 16.4  |

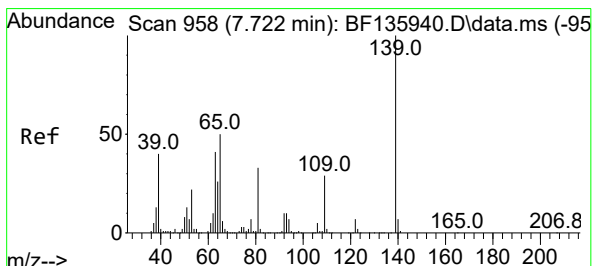
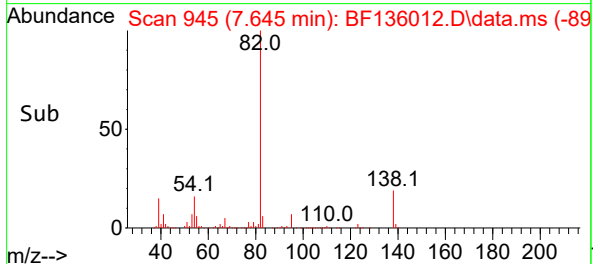
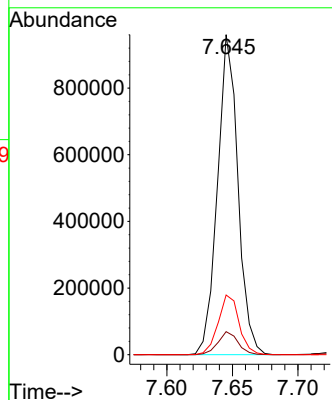
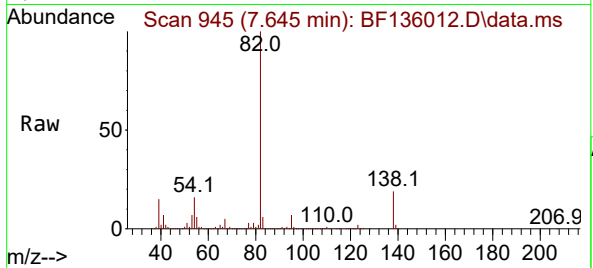




#25  
Isophorone  
Concen: 53.237 ng  
RT: 7.645 min Scan# 945  
Delta R.T. -0.000 min  
Lab File: BF136012.D  
Acq: 28 Oct 2023 18:42

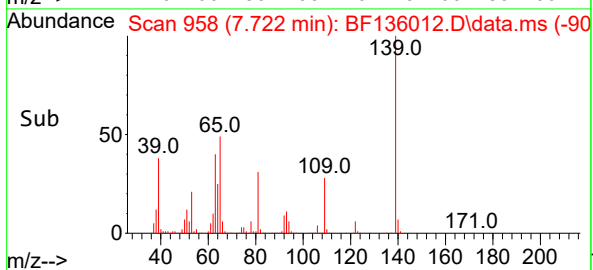
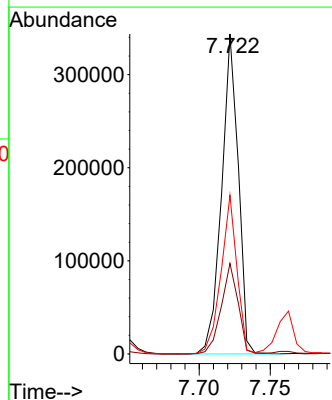
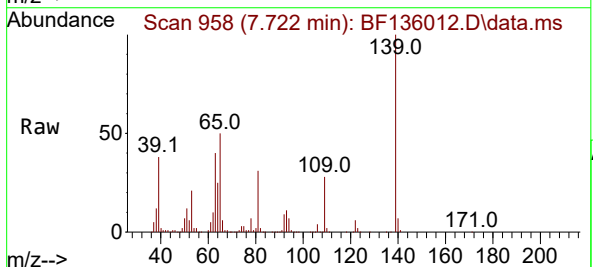
Instrument :  
BNA\_F  
ClientSampleId :  
SU-622-VOC-04MSD

Tgt Ion: 82 Resp: 1039233  
Ion Ratio Lower Upper  
82 100  
95 7.2 5.6 8.4  
138 18.6 14.8 22.2

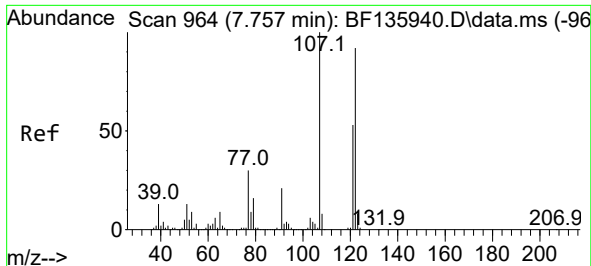


#26  
2-Nitrophenol  
Concen: 65.719 ng  
RT: 7.722 min Scan# 958  
Delta R.T. -0.000 min  
Lab File: BF136012.D  
Acq: 28 Oct 2023 18:42

Tgt Ion:139 Resp: 279330  
Ion Ratio Lower Upper  
139 100  
109 28.3 23.1 34.7  
65 49.6 39.8 59.8







#27

2,4-Dimethylphenol

Concen: 47.585 ng

RT: 7.763 min Scan# 90

Delta R.T. 0.006 min

Lab File: BF136012.D

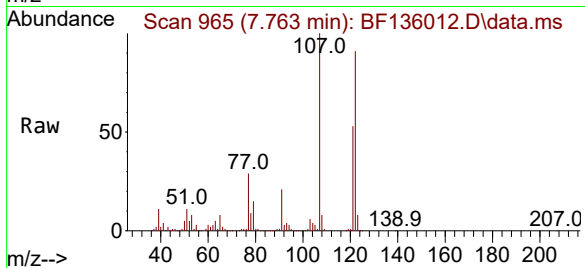
Acq: 28 Oct 2023 18:42

Instrument :

BNA\_F

ClientSampleId :

SU-622-VOC-04MSD



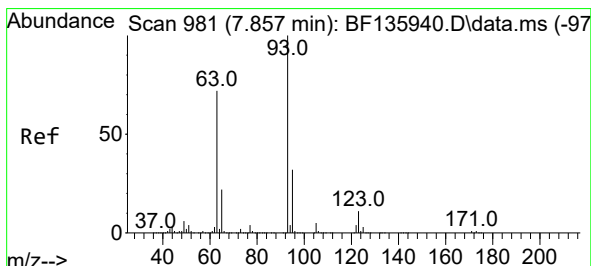
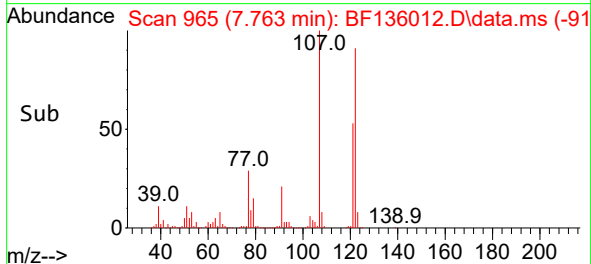
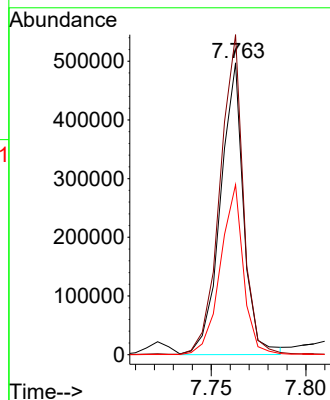
Tgt Ion:122 Resp: 423361

Ion Ratio Lower Upper

122 100

107 109.7 87.1 130.7

121 58.2 45.9 68.9



#28

bis(2-Chloroethoxy)methane

Concen: 53.946 ng

RT: 7.863 min Scan# 982

Delta R.T. 0.006 min

Lab File: BF136012.D

Acq: 28 Oct 2023 18:42

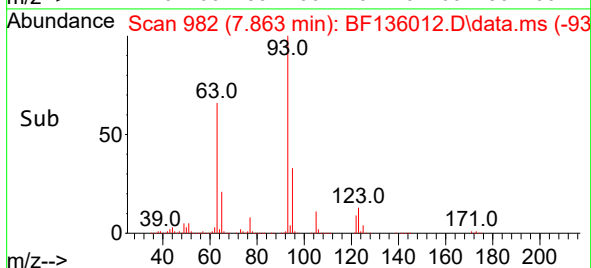
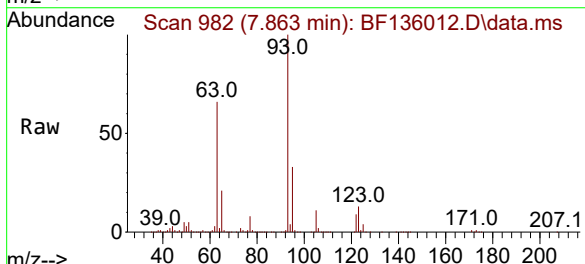
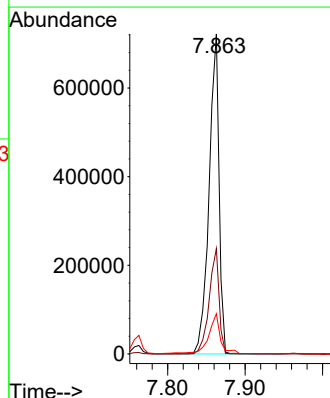
Tgt Ion: 93 Resp: 646675

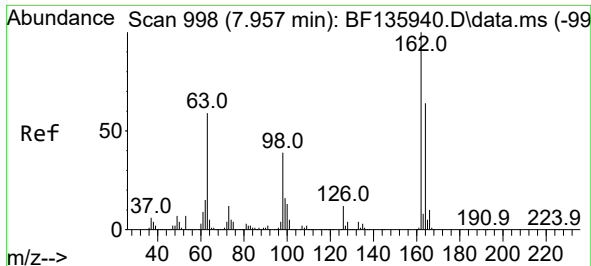
Ion Ratio Lower Upper

93 100

95 32.9 25.9 38.9

123 12.5 9.0 13.6





#29

2,4-Dichlorophenol

Concen: 57.321 ng

RT: 7.963 min Scan# 998

Delta R.T. 0.006 min

Lab File: BF136012.D

Acq: 28 Oct 2023 18:42

Instrument :

BNA\_F

ClientSampleId :

SU-622-VOC-04MSD

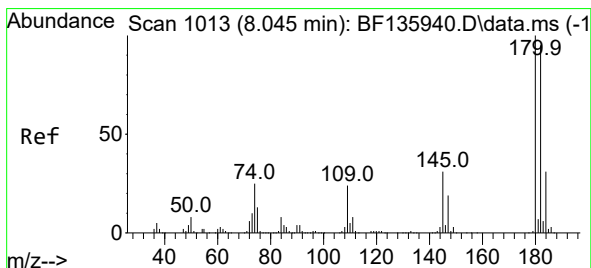
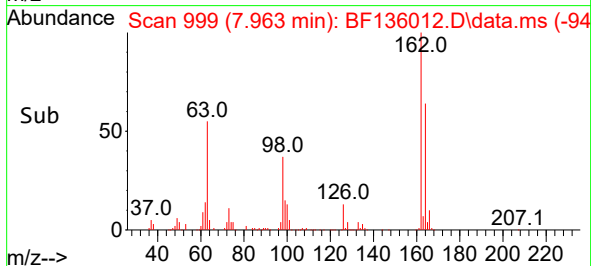
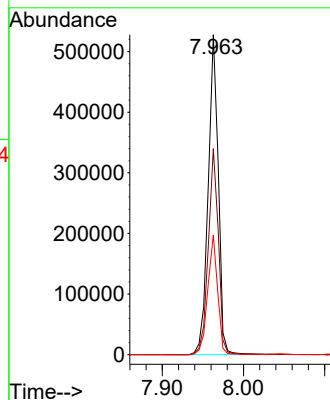
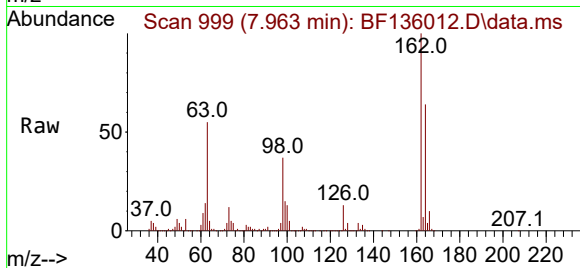
Tgt Ion:162 Resp: 456677

Ion Ratio Lower Upper

162 100

164 64.4 43.7 83.7

98 37.4 18.8 58.8



#30

1,2,4-Trichlorobenzene

Concen: 55.872 ng

RT: 8.045 min Scan# 1013

Delta R.T. -0.000 min

Lab File: BF136012.D

Acq: 28 Oct 2023 18:42

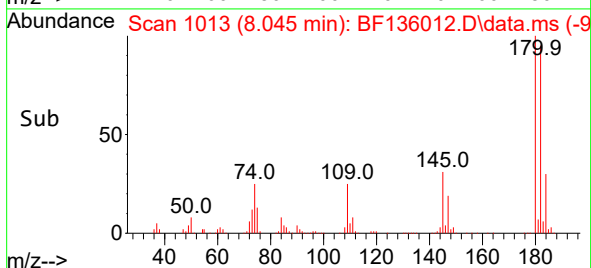
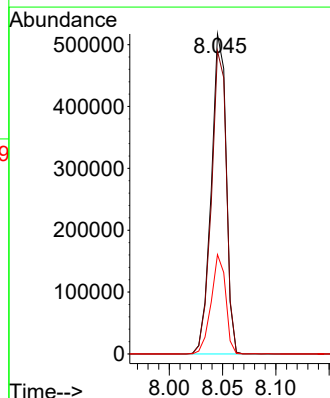
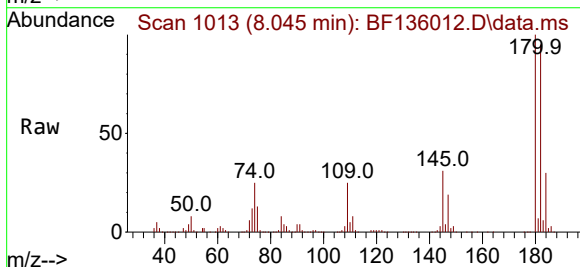
Tgt Ion:180 Resp: 503994

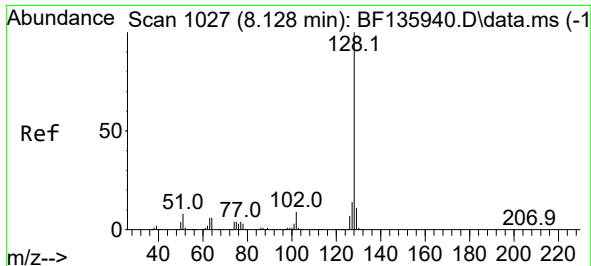
Ion Ratio Lower Upper

180 100

182 94.7 76.0 114.0

145 31.1 24.6 36.8

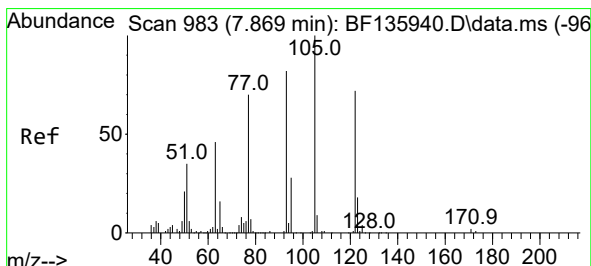
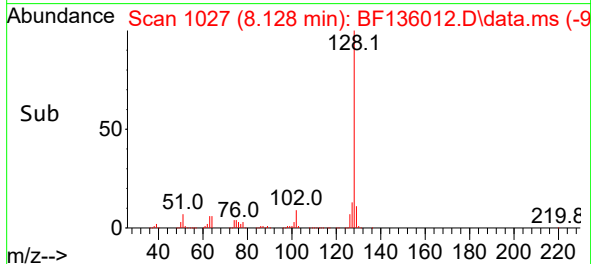
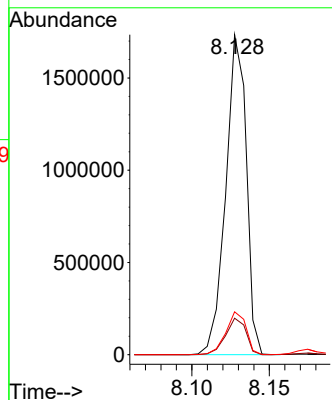
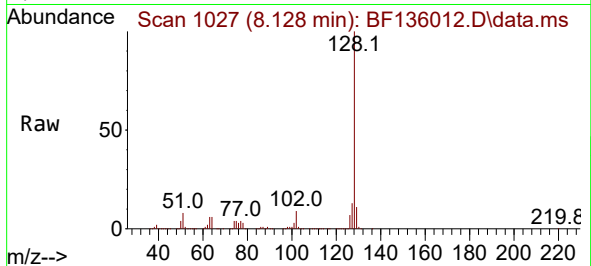




#31  
Naphthalene  
Concen: 53.608 ng  
RT: 8.128 min Scan# 1027  
Delta R.T. -0.000 min  
Lab File: BF136012.D  
Acq: 28 Oct 2023 18:42

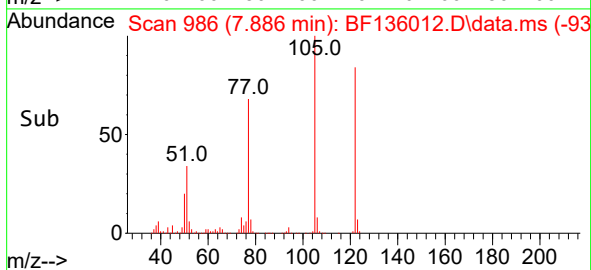
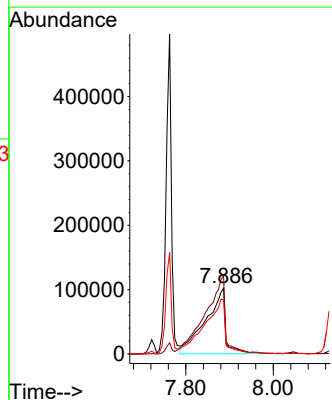
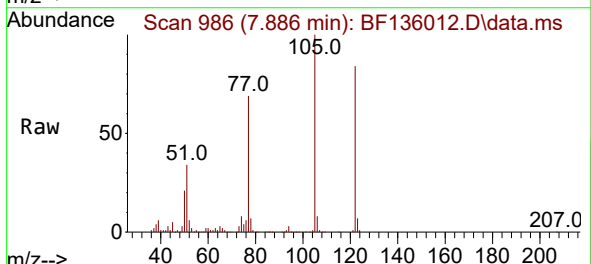
Instrument :  
BNA\_F  
ClientSampleId :  
SU-622-VOC-04MSD

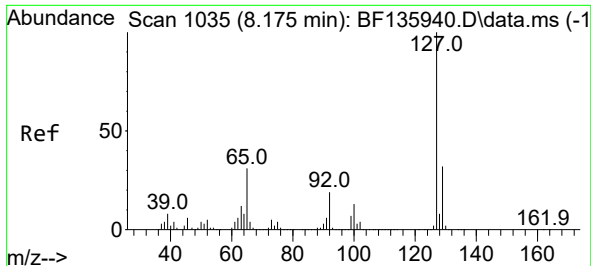
Tgt Ion:128 Resp: 1600645  
Ion Ratio Lower Upper  
128 100  
129 11.4 9.0 13.6  
127 13.4 10.9 16.3



#32  
Benzoic acid  
Concen: 63.725 ng  
RT: 7.886 min Scan# 986  
Delta R.T. 0.017 min  
Lab File: BF136012.D  
Acq: 28 Oct 2023 18:42

Tgt Ion:122 Resp: 327712  
Ion Ratio Lower Upper  
122 100  
105 119.1 113.1 153.1  
77 82.5 75.2 115.2

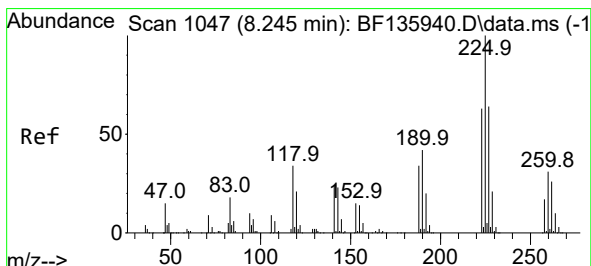
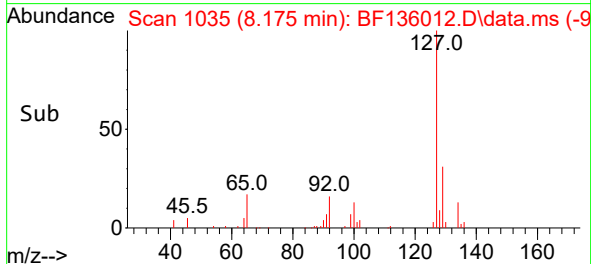
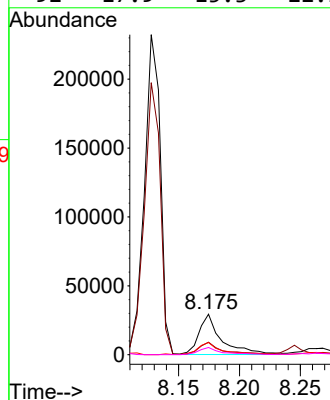
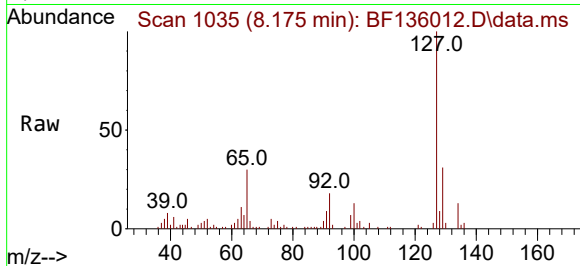




#33  
4-Chloroaniline  
Concen: 2.870 ng  
RT: 8.175 min Scan# 1035  
Delta R.T. -0.000 min  
Lab File: BF136012.D  
Acq: 28 Oct 2023 18:42

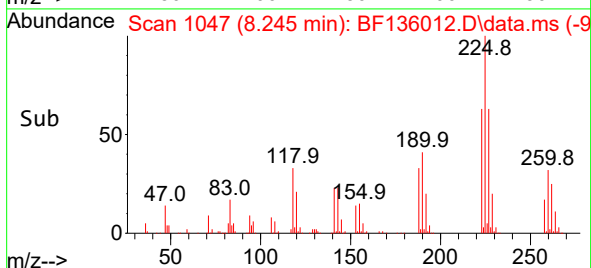
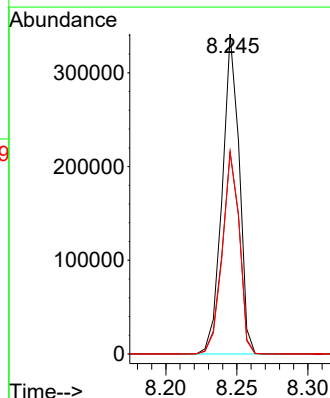
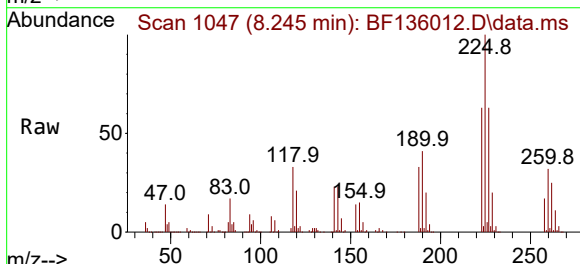
Instrument :  
BNA\_F  
ClientSampleId :  
SU-622-VOC-04MSD

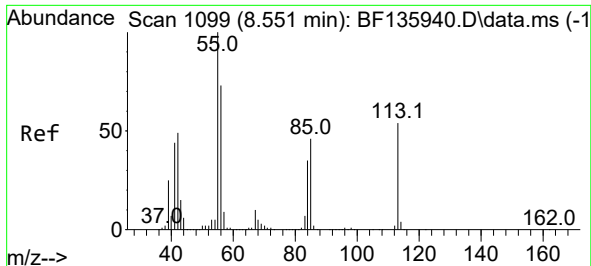
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 127   | Resp: | 37872 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 30.6  | 25.7  | 38.5  |
| 65       | 29.9  | 24.8  | 37.2  |
| 92       | 17.9  | 15.3  | 22.9  |



#34  
Hexachlorobutadiene  
Concen: 55.598 ng  
RT: 8.245 min Scan# 1047  
Delta R.T. -0.000 min  
Lab File: BF136012.D  
Acq: 28 Oct 2023 18:42

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 282682 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 63.0  | 50.6  | 75.8   |
| 227      | 63.2  | 50.9  | 76.3   |

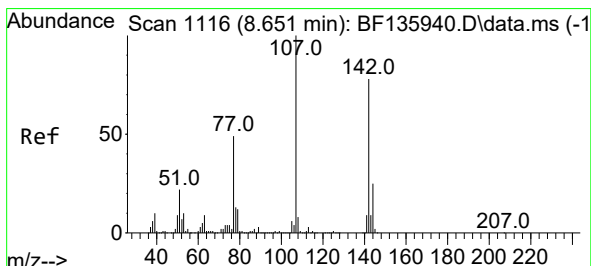
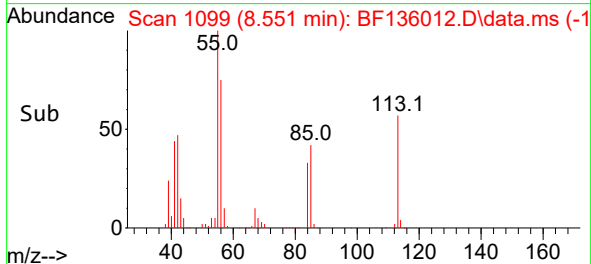
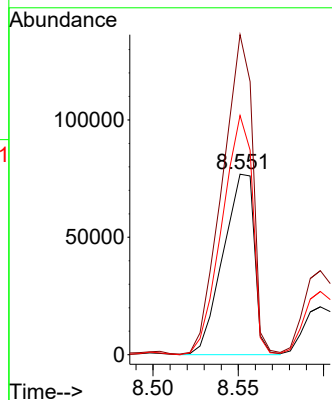
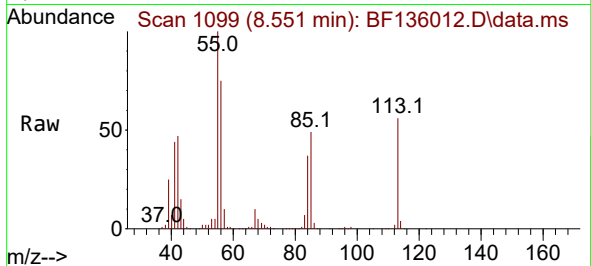




#35  
Caprolactam  
Concen: 36.938 ng  
RT: 8.551 min Scan# 1099  
Delta R.T. -0.000 min  
Lab File: BF136012.D  
Acq: 28 Oct 2023 18:42

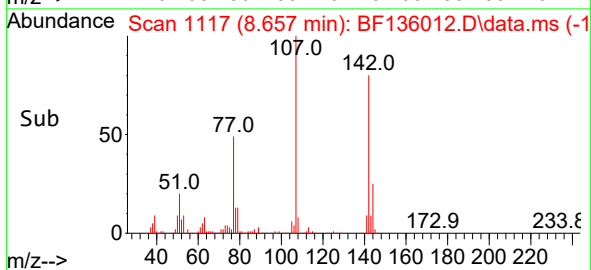
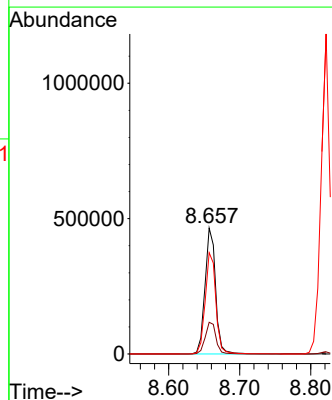
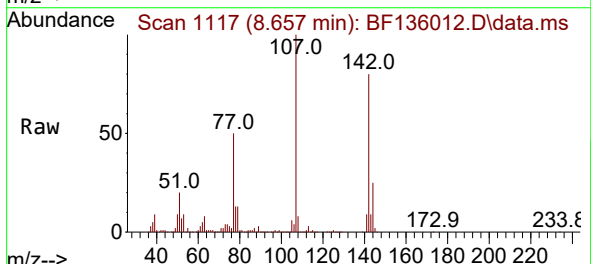
Instrument :  
BNA\_F  
ClientSampleId :  
SU-622-VOC-04MSD

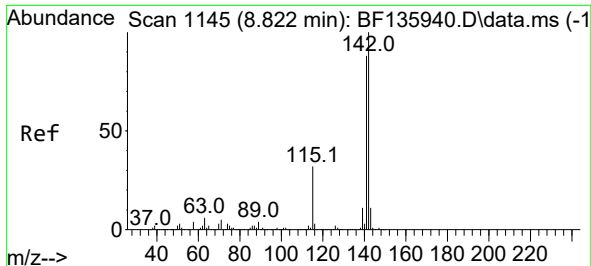
Tgt Ion:113 Resp: 97931  
Ion Ratio Lower Upper  
113 100  
55 177.2 165.4 205.4  
56 132.5 115.2 155.2



#36  
4-Chloro-3-methylphenol  
Concen: 57.041 ng  
RT: 8.657 min Scan# 1117  
Delta R.T. 0.006 min  
Lab File: BF136012.D  
Acq: 28 Oct 2023 18:42

Tgt Ion:107 Resp: 482938  
Ion Ratio Lower Upper  
107 100  
144 25.2 19.9 29.9  
142 80.4 62.8 94.2

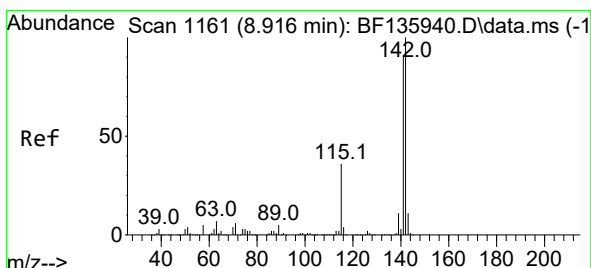
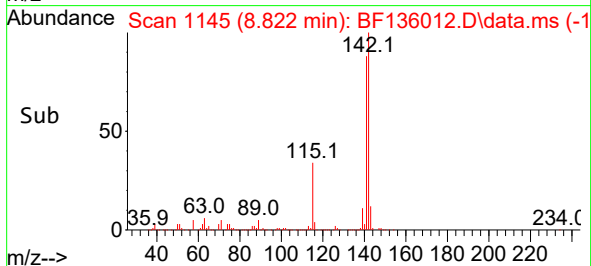
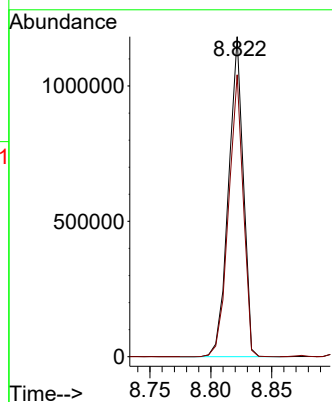
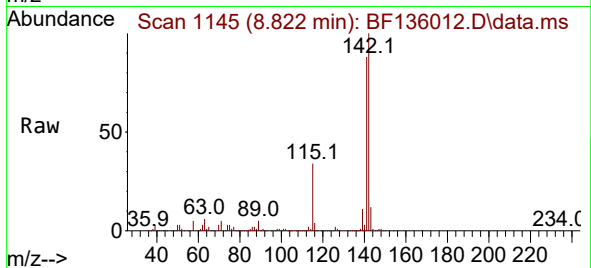




#37  
2-Methylnaphthalene  
Concen: 50.631 ng  
RT: 8.822 min Scan# 1145  
Delta R.T. -0.000 min  
Lab File: BF136012.D  
Acq: 28 Oct 2023 18:42

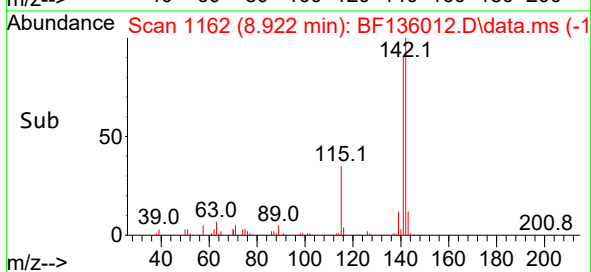
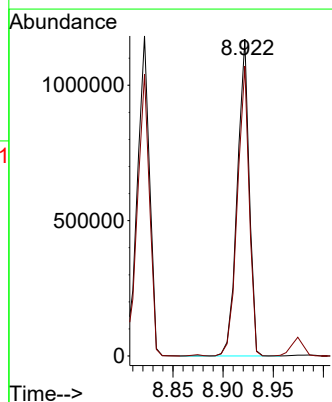
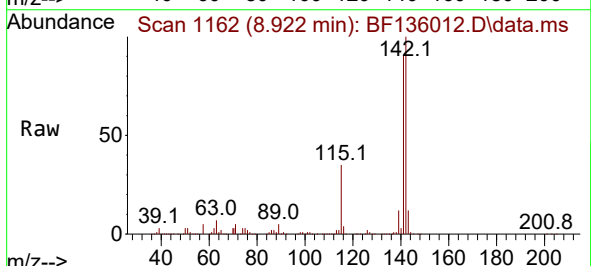
Instrument :  
BNA\_F  
ClientSampleId :  
SU-622-VOC-04MSD

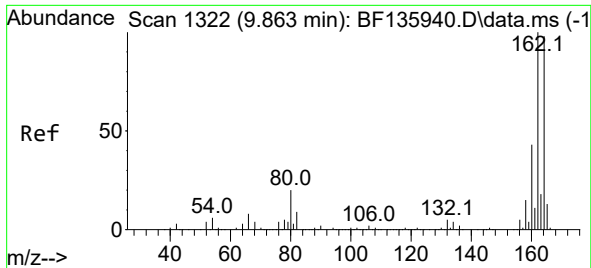
Tgt Ion:142 Resp: 1000240  
Ion Ratio Lower Upper  
142 100  
141 88.1 70.4 105.6



#38  
1-Methylnaphthalene  
Concen: 52.713 ng  
RT: 8.922 min Scan# 1162  
Delta R.T. 0.006 min  
Lab File: BF136012.D  
Acq: 28 Oct 2023 18:42

Tgt Ion:142 Resp: 973047  
Ion Ratio Lower Upper  
142 100  
141 91.5 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.869 min Scan# 1173

Delta R.T. 0.006 min

Lab File: BF136012.D

Acq: 28 Oct 2023 18:42

Instrument :

BNA\_F

ClientSampleId :

SU-622-VOC-04MSD

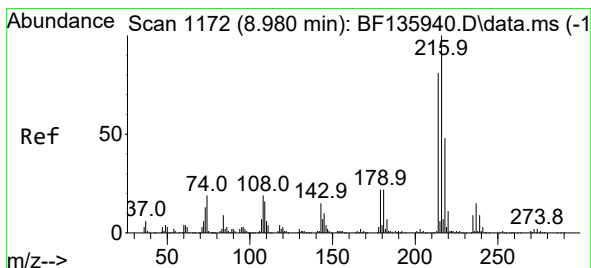
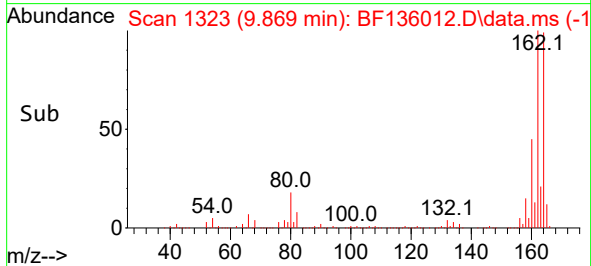
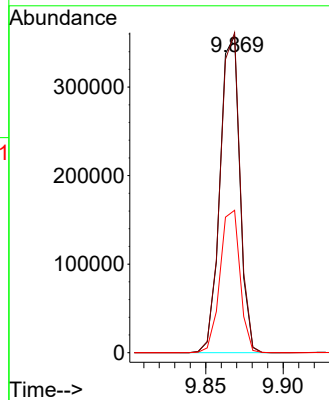
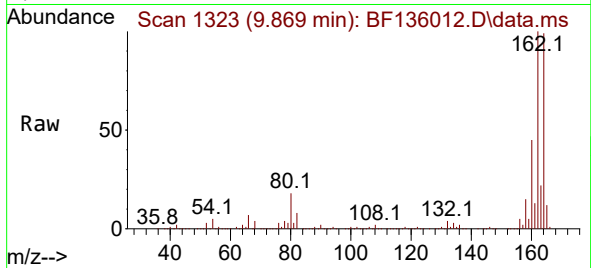
Tgt Ion:164 Resp: 318318

Ion Ratio Lower Upper

164 100

162 101.1 82.0 123.0

160 45.0 35.6 53.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 53.012 ng

RT: 8.986 min Scan# 1173

Delta R.T. 0.006 min

Lab File: BF136012.D

Acq: 28 Oct 2023 18:42

Tgt Ion:216 Resp: 476611

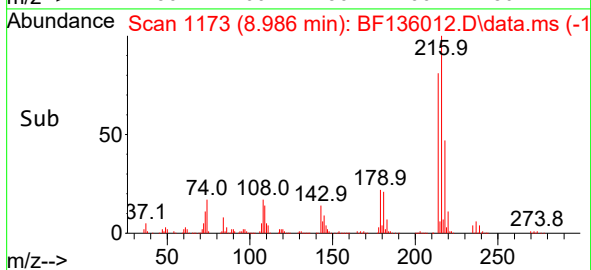
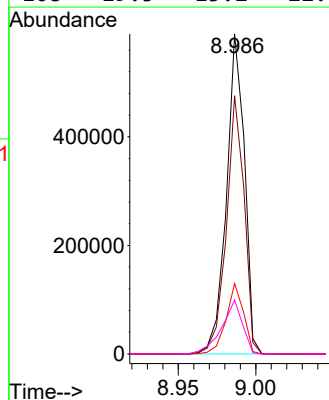
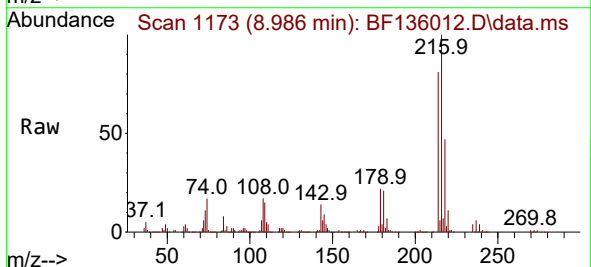
Ion Ratio Lower Upper

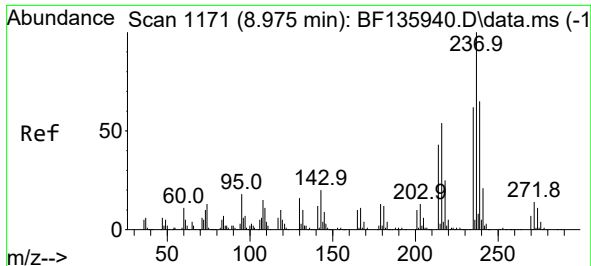
216 100

214 79.4 63.3 94.9

179 21.3 17.3 25.9

108 19.5 15.2 22.8

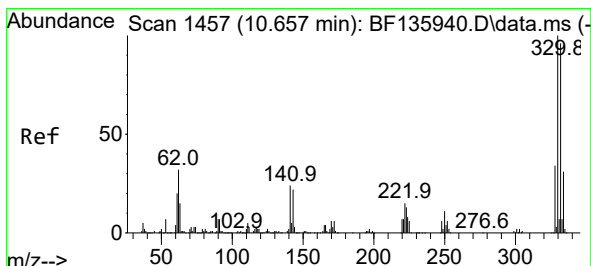
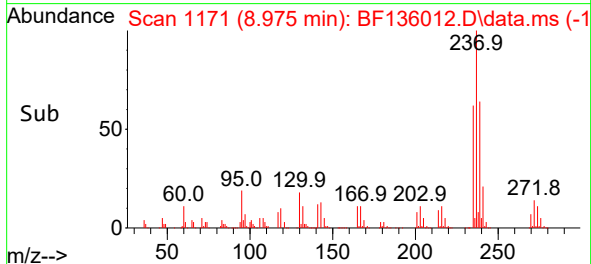
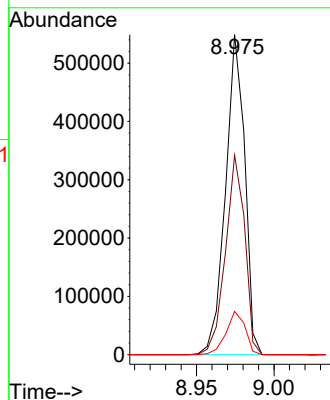
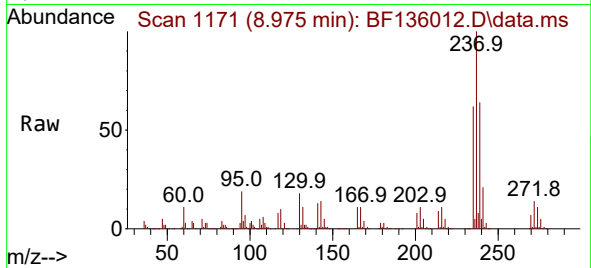




#41  
Hexachlorocyclopentadiene  
Concen: 106.668 ng  
RT: 8.975 min Scan# 1171  
Delta R.T. -0.000 min  
Lab File: BF136012.D  
Acq: 28 Oct 2023 18:42

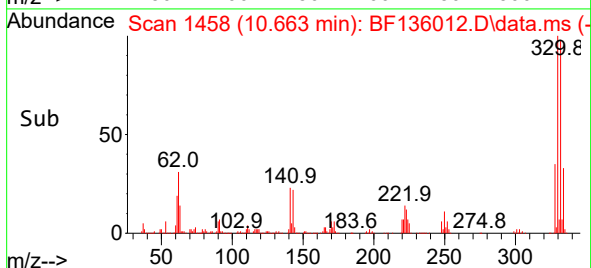
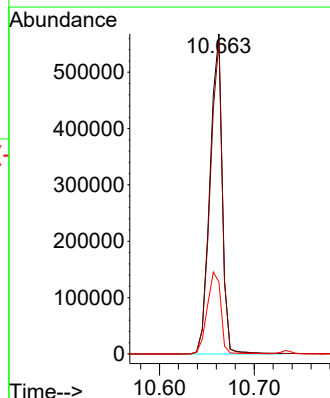
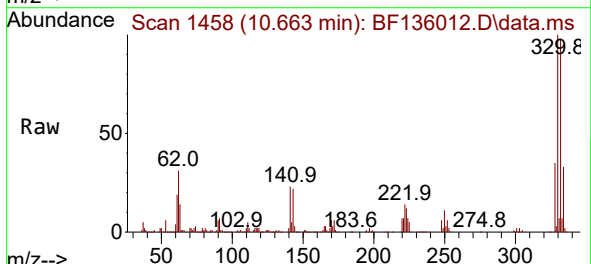
Instrument :  
BNA\_F  
ClientSampleId :  
SU-622-VOC-04MSD

Tgt Ion:237 Resp: 472872  
Ion Ratio Lower Upper  
237 100  
235 62.3 41.7 81.7  
272 13.5 0.0 33.6

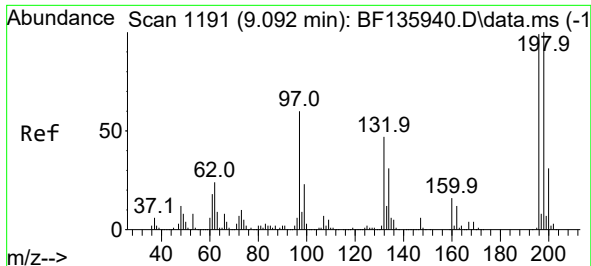


#42  
2,4,6-Tribromophenol  
Concen: 182.985 ng  
RT: 10.663 min Scan# 1458  
Delta R.T. 0.006 min  
Lab File: BF136012.D  
Acq: 28 Oct 2023 18:42

Tgt Ion:330 Resp: 509837  
Ion Ratio Lower Upper  
330 100  
332 96.8 77.4 116.2  
141 28.5 24.9 37.3







#43

2,4,6-Trichlorophenol

Concen: 60.580 ng

RT: 9.098 min Scan# 1191

Delta R.T. 0.006 min

Lab File: BF136012.D

Acq: 28 Oct 2023 18:42

Instrument :

BNA\_F

ClientSampleId :

SU-622-VOC-04MSD

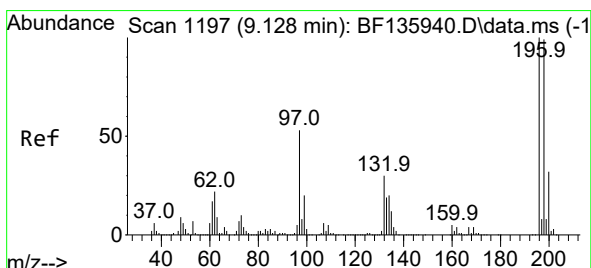
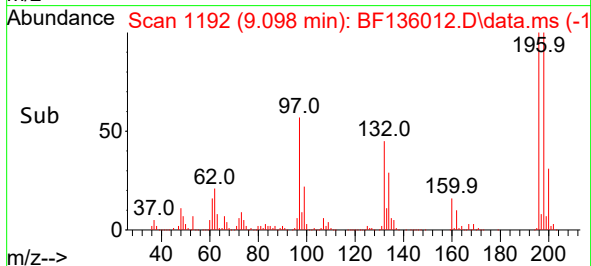
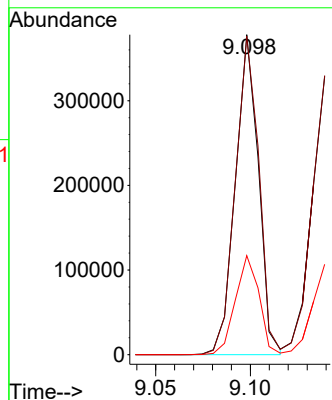
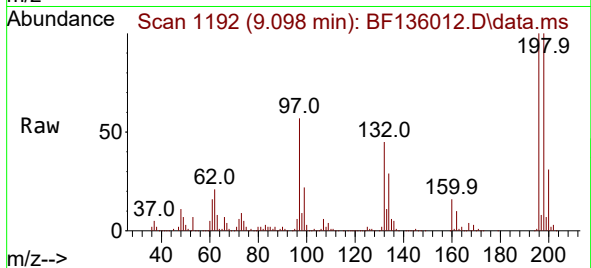
Tgt Ion:196 Resp: 318775

Ion Ratio Lower Upper

196 100

198 99.5 81.0 121.4

200 31.0 25.4 38.0



#44

2,4,5-Trichlorophenol

Concen: 56.626 ng

RT: 9.139 min Scan# 1199

Delta R.T. 0.012 min

Lab File: BF136012.D

Acq: 28 Oct 2023 18:42

Tgt Ion:196 Resp: 353785

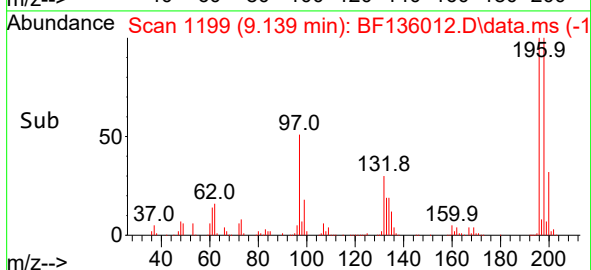
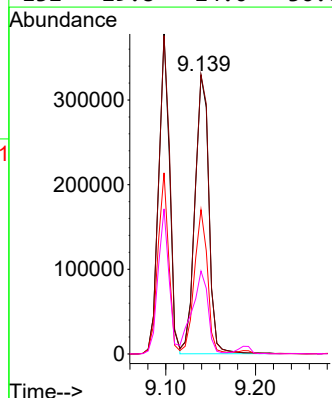
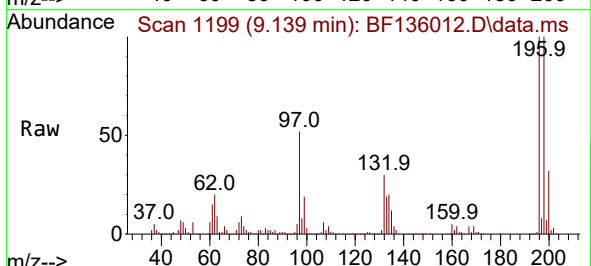
Ion Ratio Lower Upper

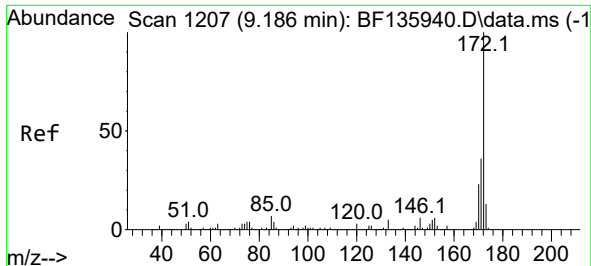
196 100

198 100.3 79.1 118.7

97 51.8 42.3 63.5

132 29.8 24.0 36.0





#45

2-Fluorobiphenyl

Concen: 95.559 ng

RT: 9.192 min Scan# 1208

Delta R.T. 0.006 min

Lab File: BF136012.D

Acq: 28 Oct 2023 18:42

Instrument :

BNA\_F

ClientSampleId :

SU-622-VOC-04MSD

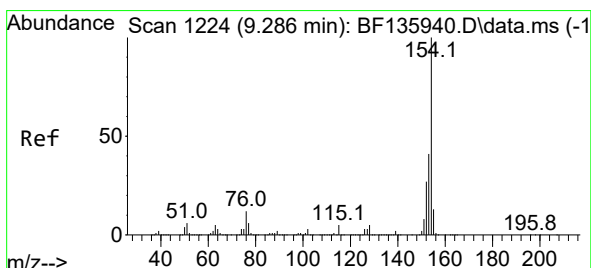
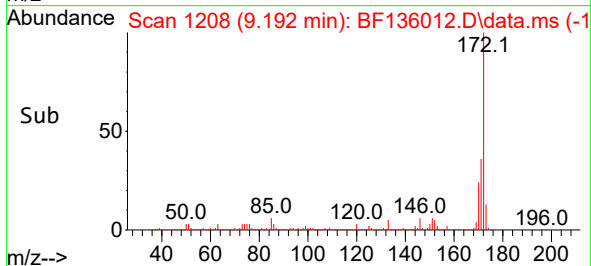
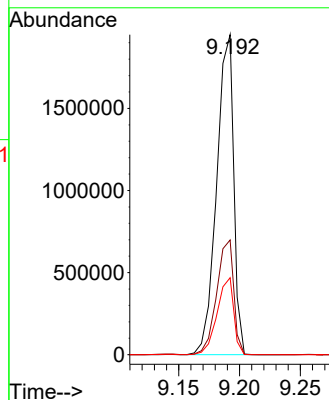
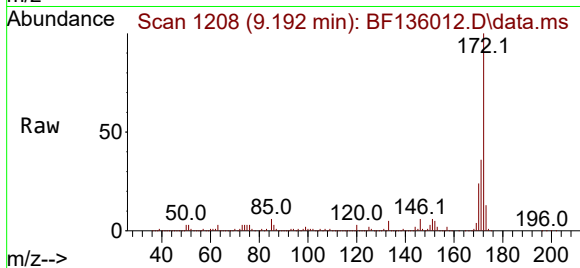
Tgt Ion:172 Resp: 1899642

Ion Ratio Lower Upper

172 100

171 35.9 28.6 43.0

170 24.0 18.6 28.0



#46

1,1'-Biphenyl

Concen: 52.786 ng

RT: 9.292 min Scan# 1225

Delta R.T. 0.006 min

Lab File: BF136012.D

Acq: 28 Oct 2023 18:42

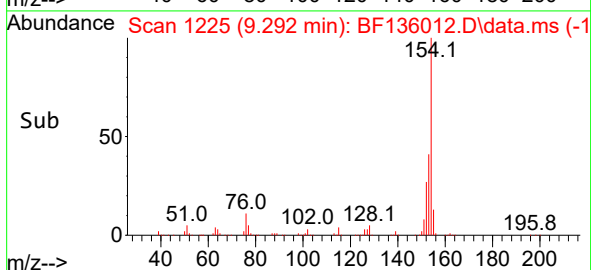
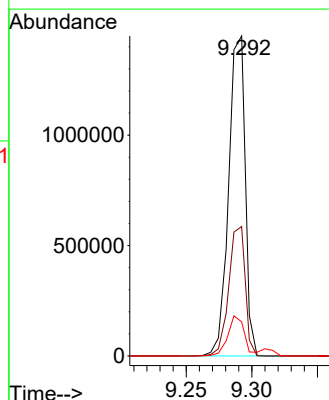
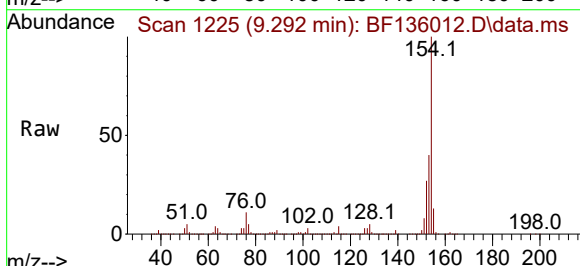
Tgt Ion:154 Resp: 1273196

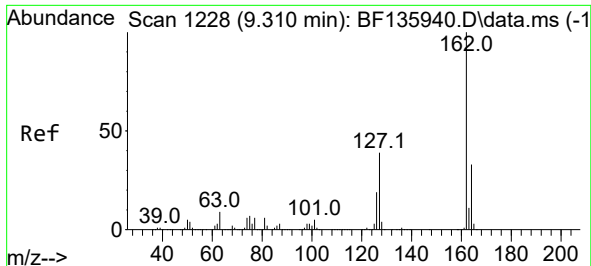
Ion Ratio Lower Upper

154 100

153 40.5 20.7 60.7

76 10.7 0.0 32.4

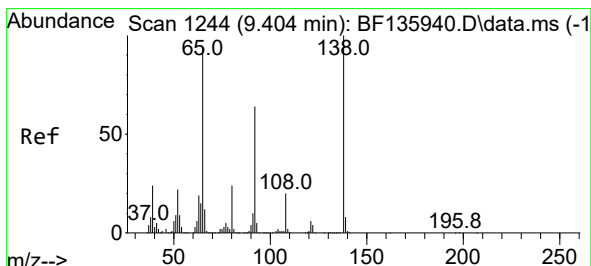
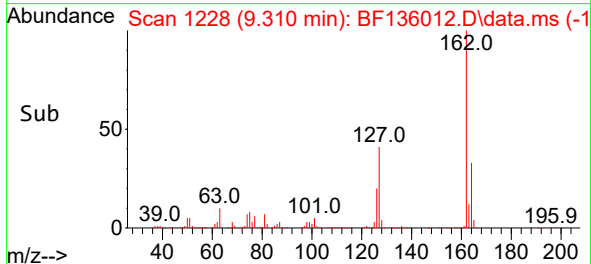
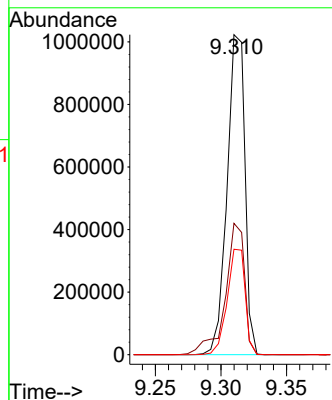
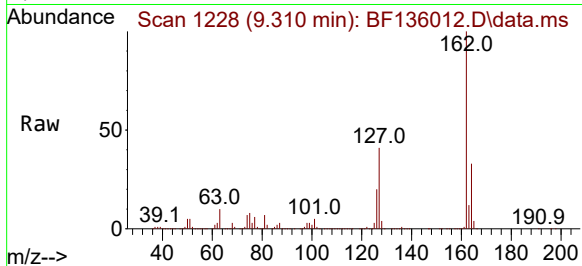




#47  
2-Chloronaphthalene  
Concen: 54.374 ng  
RT: 9.310 min Scan# 1228  
Delta R.T. -0.000 min  
Lab File: BF136012.D  
Acq: 28 Oct 2023 18:42

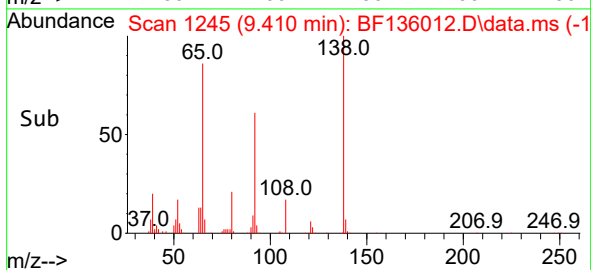
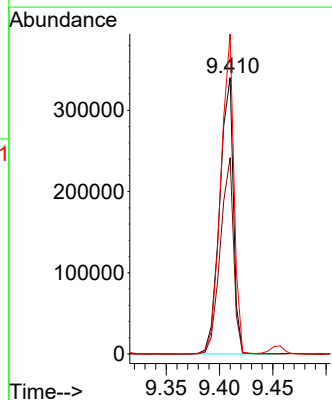
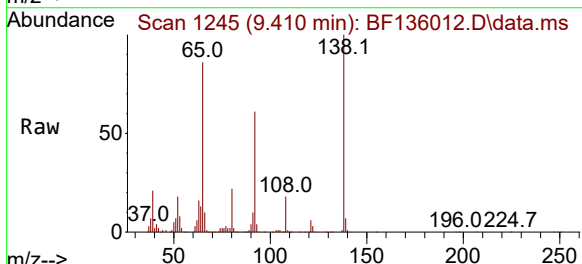
Instrument :  
BNA\_F  
ClientSampleId :  
SU-622-VOC-04MSD

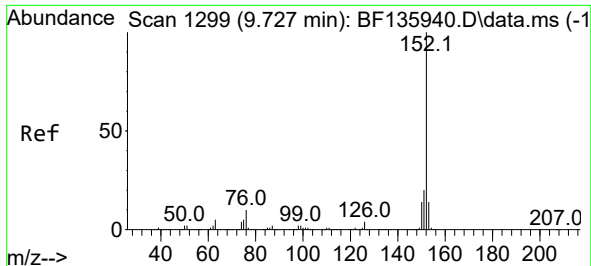
Tgt Ion:162 Resp: 970072  
Ion Ratio Lower Upper  
162 100  
127 41.1 31.0 46.4  
164 32.9 26.6 39.8



#48  
2-Nitroaniline  
Concen: 59.044 ng  
RT: 9.410 min Scan# 1245  
Delta R.T. 0.006 min  
Lab File: BF136012.D  
Acq: 28 Oct 2023 18:42

Tgt Ion: 65 Resp: 303074  
Ion Ratio Lower Upper  
65 100  
92 71.0 54.9 82.3  
138 115.8 85.2 127.8

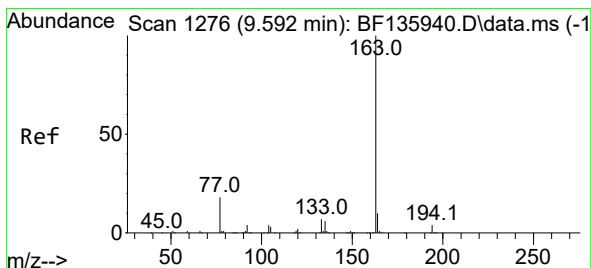
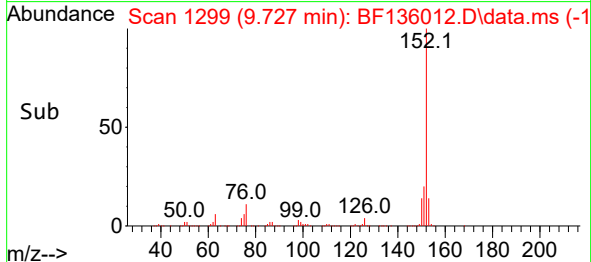
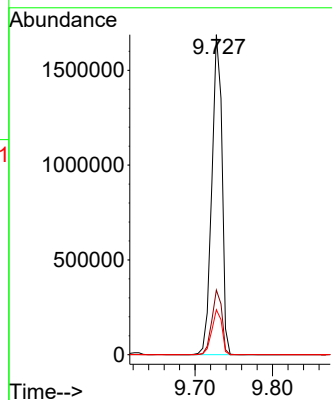
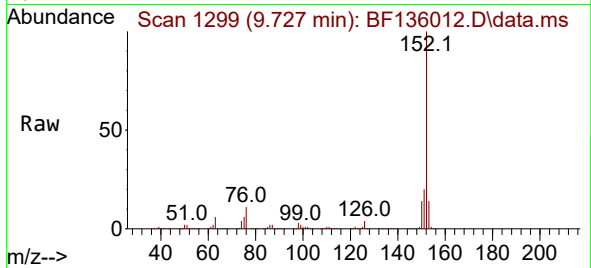




#49  
Acenaphthylene  
Concen: 54.548 ng  
RT: 9.727 min Scan# 1299  
Delta R.T. -0.000 min  
Lab File: BF136012.D  
Acq: 28 Oct 2023 18:42

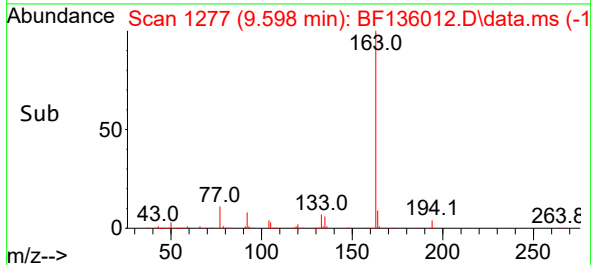
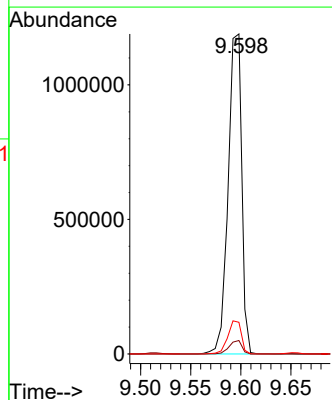
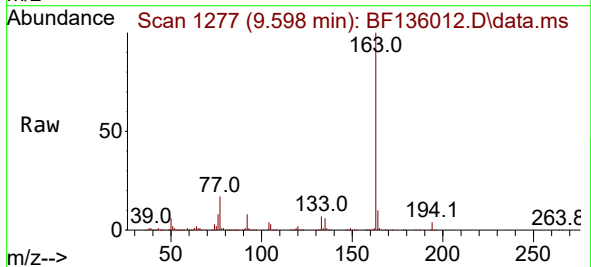
Instrument :  
BNA\_F  
ClientSampleId :  
SU-622-VOC-04MSD

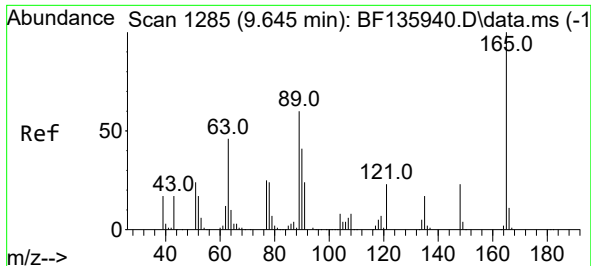
Tgt Ion:152 Resp: 1535270  
Ion Ratio Lower Upper  
152 100  
151 20.2 16.0 24.0  
153 14.0 11.0 16.6



#50  
Dimethylphthalate  
Concen: 54.228 ng  
RT: 9.598 min Scan# 1277  
Delta R.T. 0.006 min  
Lab File: BF136012.D  
Acq: 28 Oct 2023 18:42

Tgt Ion:163 Resp: 1119421  
Ion Ratio Lower Upper  
163 100  
194 4.2 3.4 5.0  
164 9.9 8.3 12.5

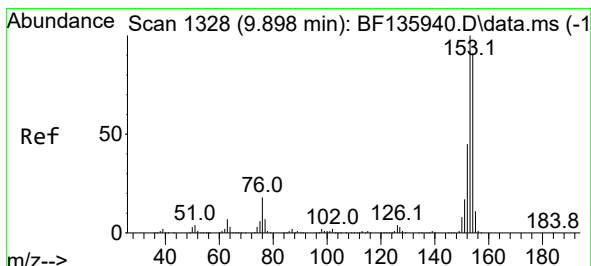
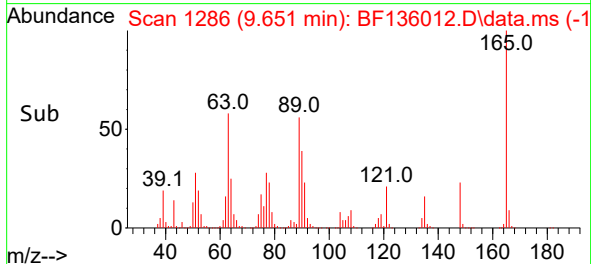
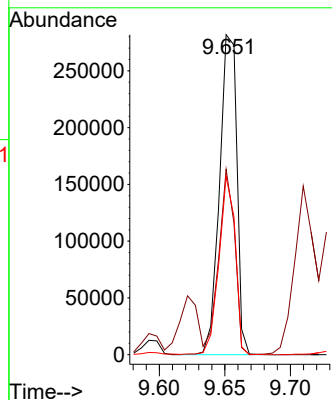
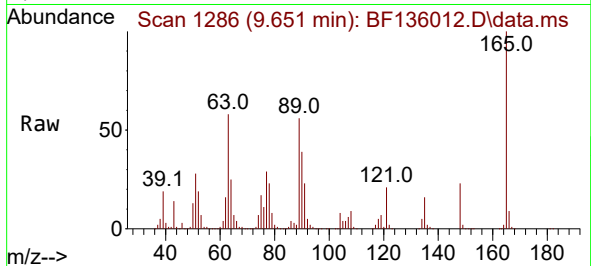




#51  
2,6-Dinitrotoluene  
Concen: 59.200 ng  
RT: 9.651 min Scan# 1286  
Delta R.T. 0.006 min  
Lab File: BF136012.D  
Acq: 28 Oct 2023 18:42

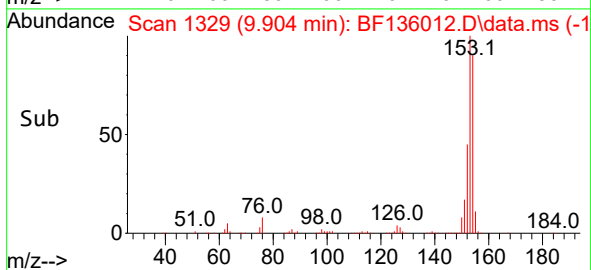
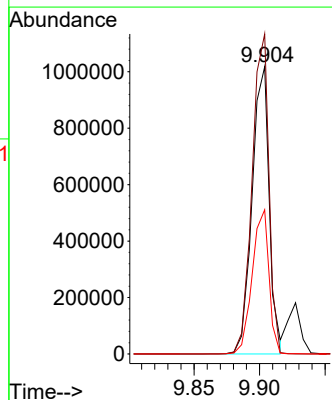
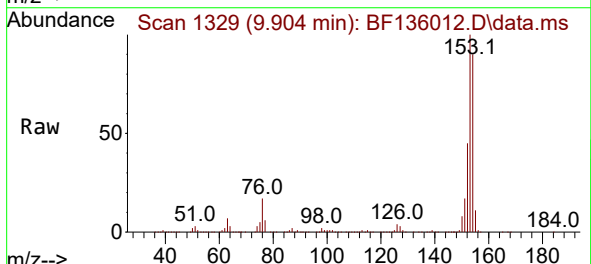
Instrument :  
BNA\_F  
ClientSampleId :  
SU-622-VOC-04MSD

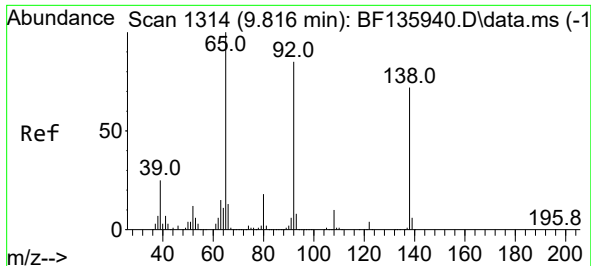
Tgt Ion:165 Resp: 258752  
Ion Ratio Lower Upper  
165 100  
63 57.9 51.7 77.5  
89 55.7 48.3 72.5



#52  
Acenaphthene  
Concen: 51.197 ng  
RT: 9.904 min Scan# 1329  
Delta R.T. 0.006 min  
Lab File: BF136012.D  
Acq: 28 Oct 2023 18:42

Tgt Ion:154 Resp: 923471  
Ion Ratio Lower Upper  
154 100  
153 111.4 88.0 132.0  
152 50.2 39.4 59.2

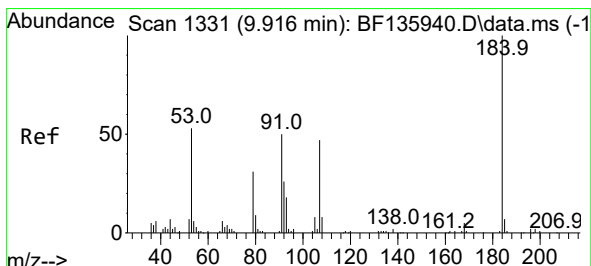
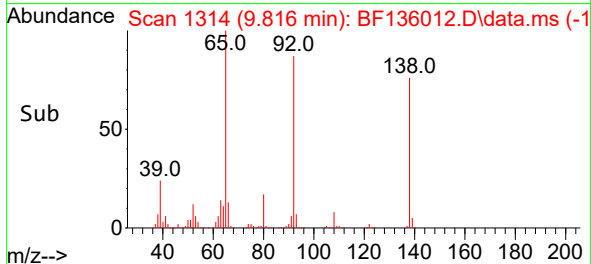
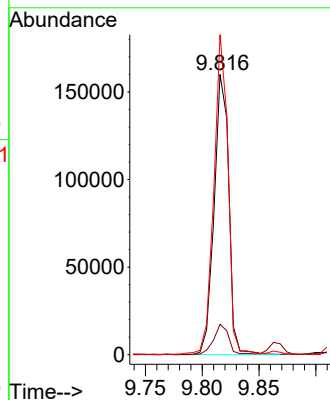
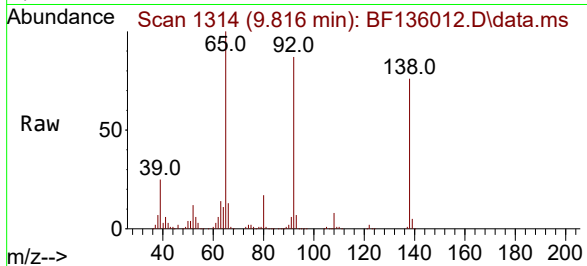




#53  
3-Nitroaniline  
Concen: 29.988 ng  
RT: 9.816 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF136012.D  
Acq: 28 Oct 2023 18:42

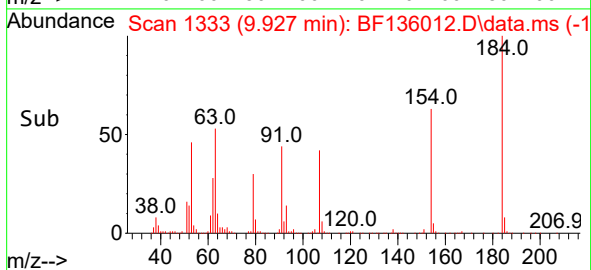
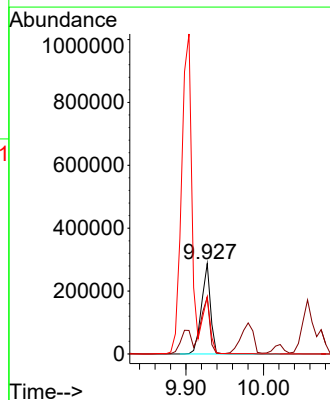
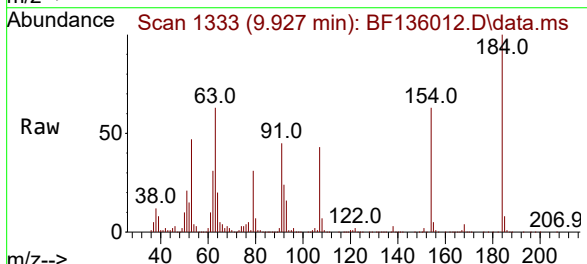
Instrument :  
BNA\_F  
ClientSampleId :  
SU-622-VOC-04MSD

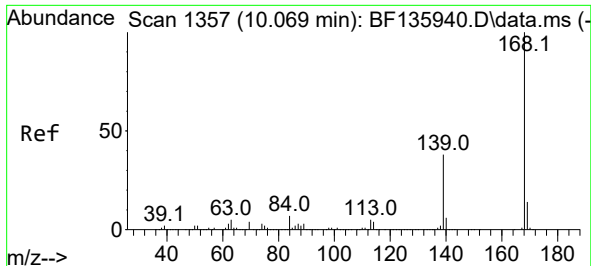
Tgt Ion:138 Resp: 143880  
Ion Ratio Lower Upper  
138 100  
108 10.8 11.3 16.9#  
92 114.2 95.0 142.6



#54  
2,4-Dinitrophenol  
Concen: 108.727 ng  
RT: 9.927 min Scan# 1333  
Delta R.T. 0.011 min  
Lab File: BF136012.D  
Acq: 28 Oct 2023 18:42

Tgt Ion:184 Resp: 232866  
Ion Ratio Lower Upper  
184 100  
63 62.9 56.3 84.5  
154 63.2 48.1 72.1

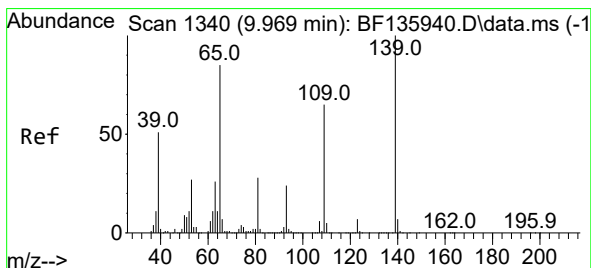
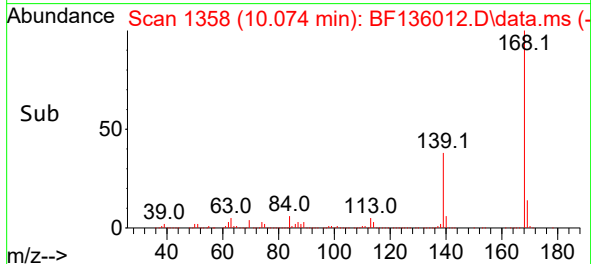
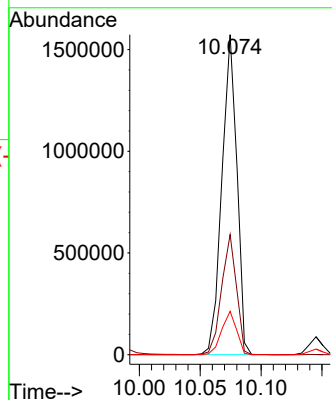
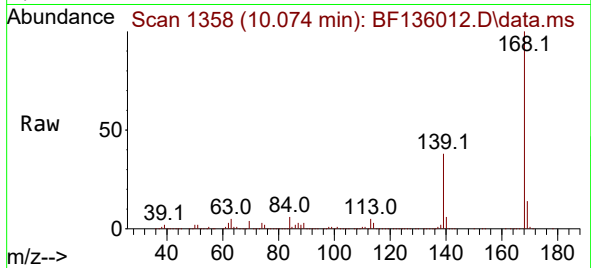




#55  
Dibenzenofuran  
Concen: 51.719 ng  
RT: 10.074 min Scan# 1357  
Delta R.T. 0.006 min  
Lab File: BF136012.D  
Acq: 28 Oct 2023 18:42

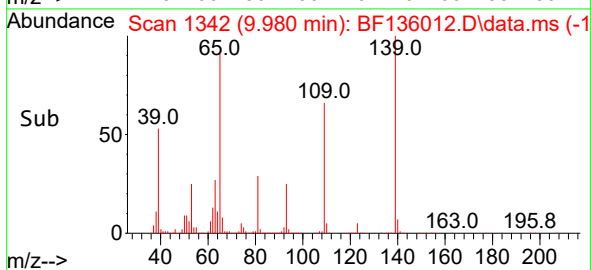
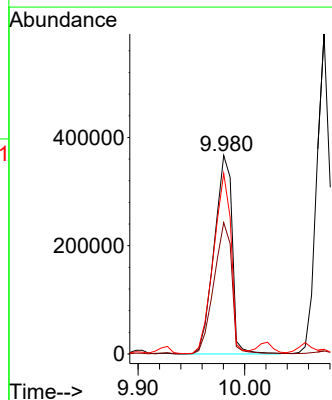
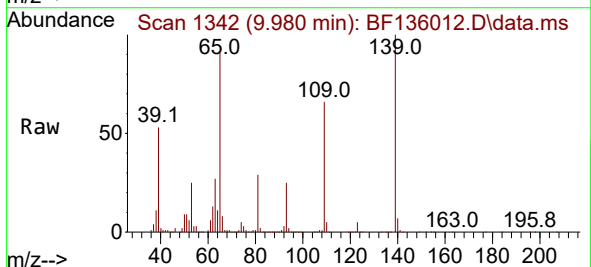
Instrument :  
BNA\_F  
ClientSampleId :  
SU-622-VOC-04MSD

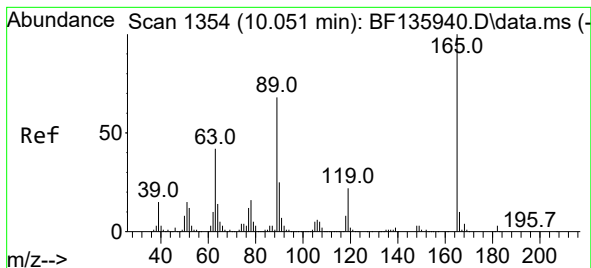
Tgt Ion:168 Resp: 1347697  
Ion Ratio Lower Upper  
168 100  
139 37.6 30.7 46.1  
169 13.5 11.1 16.7



#56  
4-Nitrophenol  
Concen: 101.107 ng  
RT: 9.980 min Scan# 1342  
Delta R.T. 0.011 min  
Lab File: BF136012.D  
Acq: 28 Oct 2023 18:42

Tgt Ion:139 Resp: 428407  
Ion Ratio Lower Upper  
139 100  
109 66.2 45.2 85.2  
65 91.0 65.1 105.1

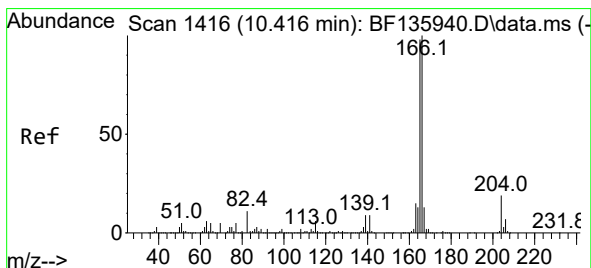
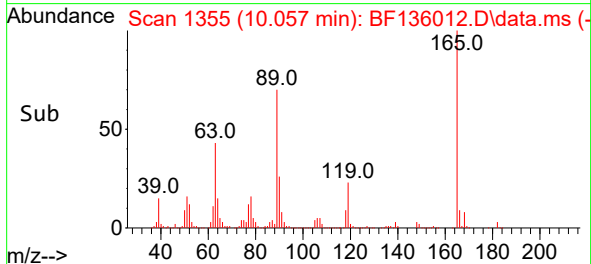
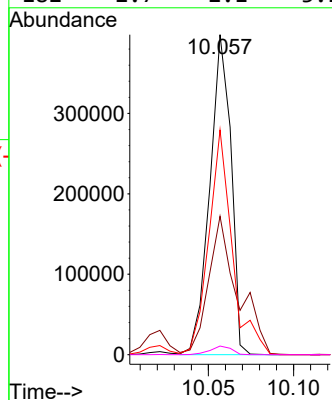
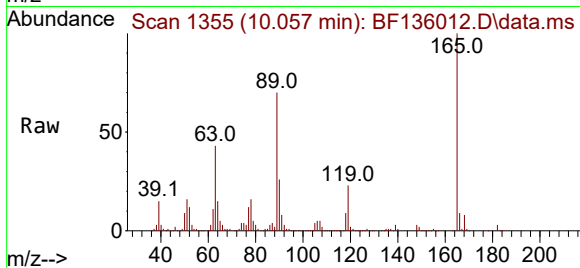




#57  
2,4-Dinitrotoluene  
Concen: 62.827 ng  
RT: 10.057 min Scan# 1  
Delta R.T. 0.006 min  
Lab File: BF136012.D  
Acq: 28 Oct 2023 18:42

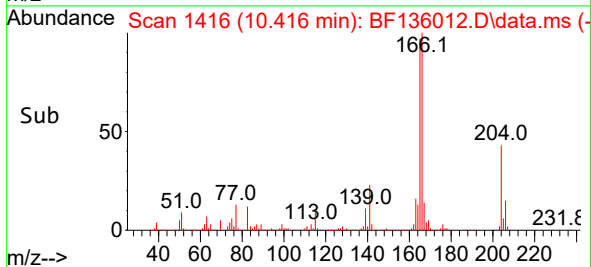
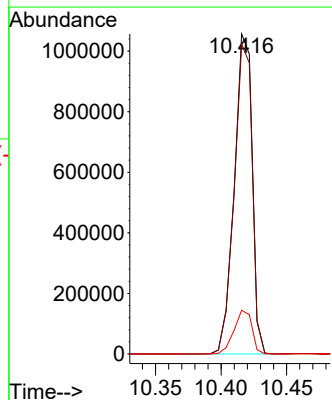
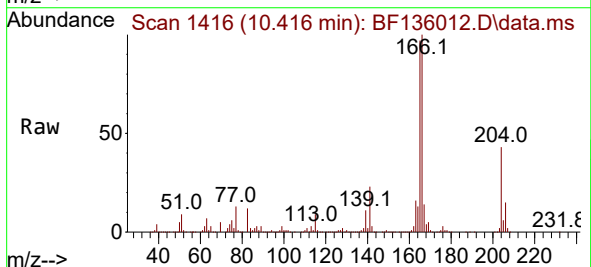
Instrument :  
BNA\_F  
ClientSampleId :  
SU-622-VOC-04MSD

Tgt Ion:165 Resp: 343668  
Ion Ratio Lower Upper  
165 100  
63 43.2 33.7 50.5  
89 70.3 54.6 81.8  
182 2.7 2.1 3.1

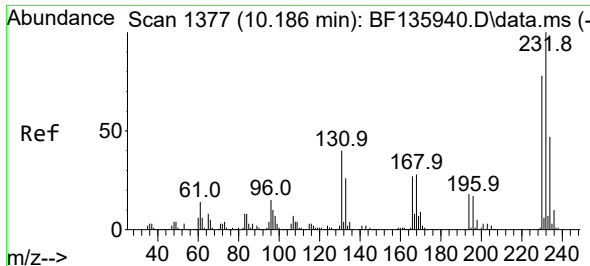


#58  
Fluorene  
Concen: 51.563 ng  
RT: 10.416 min Scan# 1416  
Delta R.T. -0.000 min  
Lab File: BF136012.D  
Acq: 28 Oct 2023 18:42

Tgt Ion:166 Resp: 1005235  
Ion Ratio Lower Upper  
166 100  
165 96.8 78.0 117.0  
167 13.6 10.6 16.0







#59

2,3,4,6-Tetrachlorophenol

Concen: 63.615 ng

RT: 10.192 min Scan# 1378

Delta R.T. 0.006 min

Lab File: BF136012.D

Acq: 28 Oct 2023 18:42

Instrument :

BNA\_F

ClientSampleId :

SU-622-VOC-04MSD

Tgt Ion:232 Resp: 299077

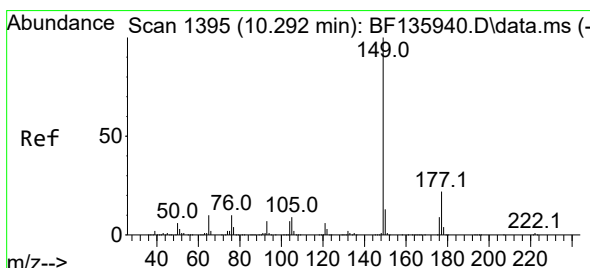
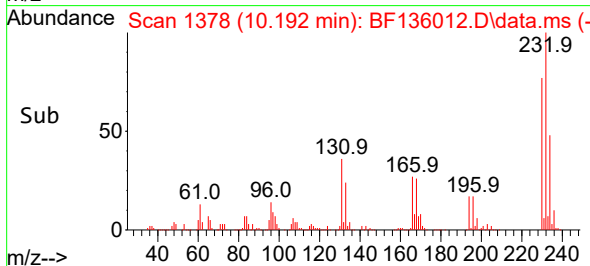
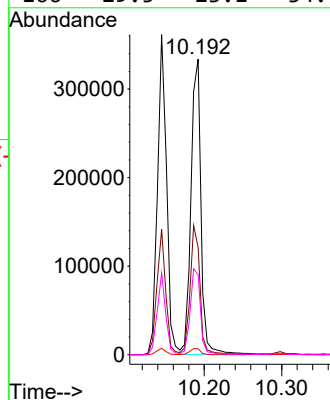
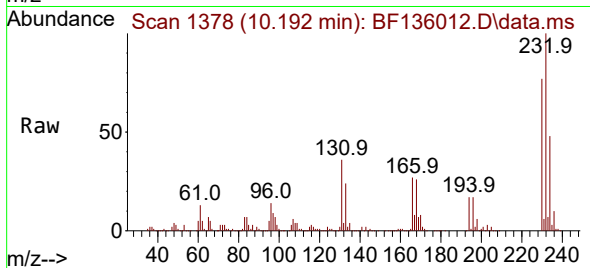
Ion Ratio Lower Upper

232 100

131 42.8 35.2 52.8

130 2.3 1.7 2.5

166 29.5 23.1 34.7



#60

Diethylphthalate

Concen: 54.650 ng

RT: 10.298 min Scan# 1396

Delta R.T. 0.006 min

Lab File: BF136012.D

Acq: 28 Oct 2023 18:42

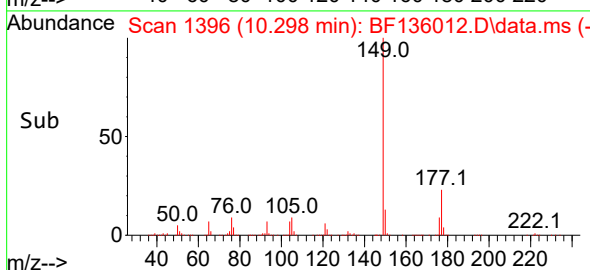
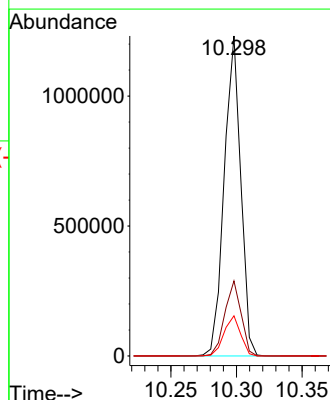
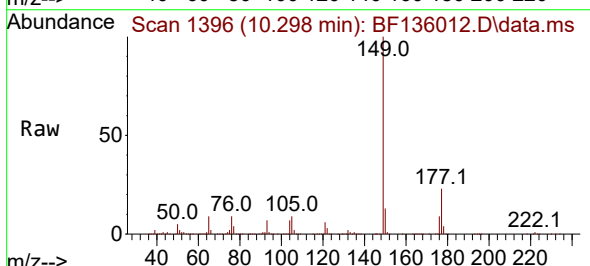
Tgt Ion:149 Resp: 1075778

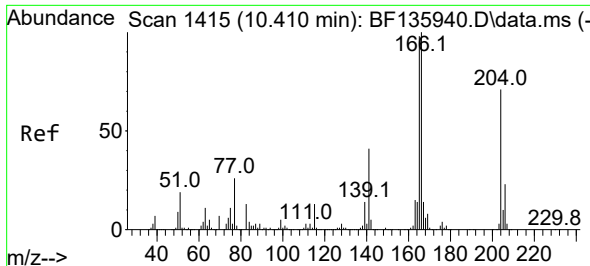
Ion Ratio Lower Upper

149 100

177 23.4 17.9 26.9

150 12.5 10.2 15.2

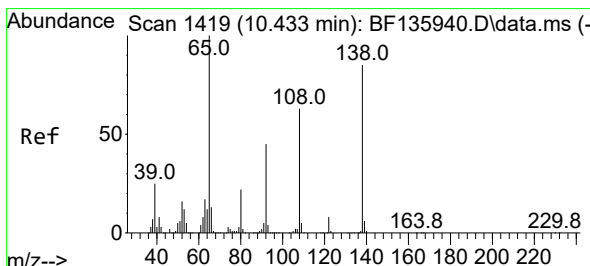
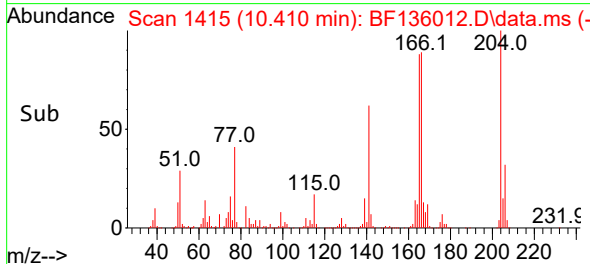
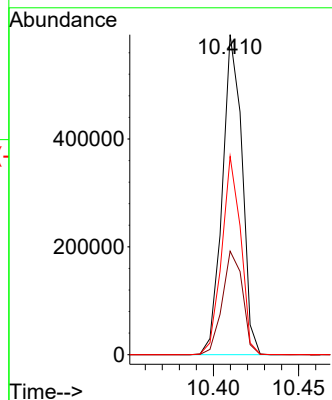
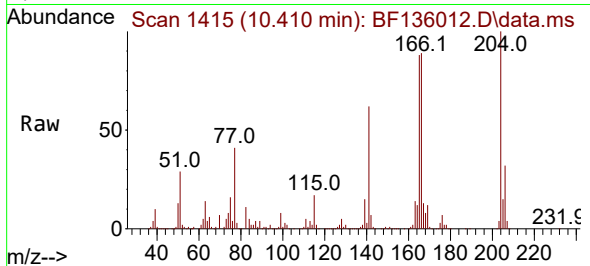




#61  
4-Chlorophenyl-phenylether  
Concen: 50.773 ng  
RT: 10.410 min Scan# 1415  
Delta R.T. -0.000 min  
Lab File: BF136012.D  
Acq: 28 Oct 2023 18:42

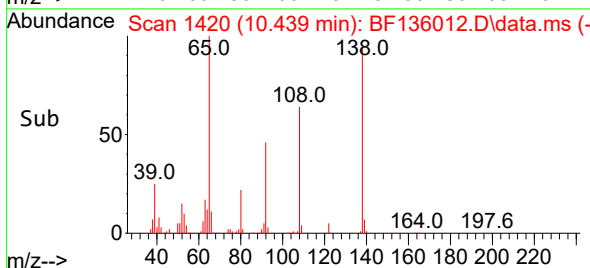
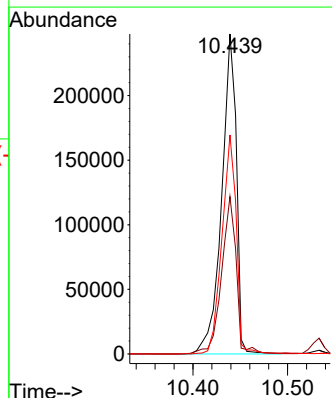
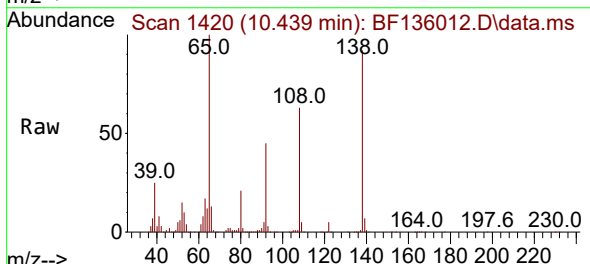
Instrument :  
BNA\_F  
ClientSampleId :  
SU-622-VOC-04MSD

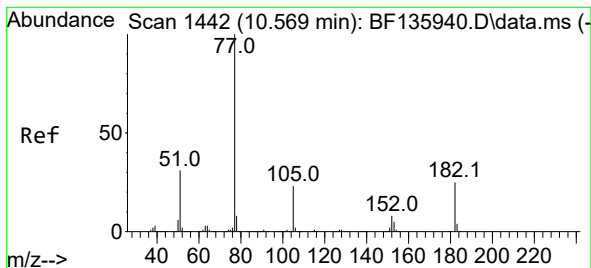
Tgt Ion:204 Resp: 477472  
Ion Ratio Lower Upper  
204 100  
206 32.4 26.4 39.6  
141 61.9 46.2 69.2



#62  
4-Nitroaniline  
Concen: 52.329 ng  
RT: 10.439 min Scan# 1420  
Delta R.T. 0.006 min  
Lab File: BF136012.D  
Acq: 28 Oct 2023 18:42

Tgt Ion:138 Resp: 267688  
Ion Ratio Lower Upper  
138 100  
92 49.2 32.9 72.9  
108 68.5 53.5 93.5





#63

Azobenzene

Concen: 51.094 ng

RT: 10.574 min Scan# 1442

Delta R.T. 0.006 min

Lab File: BF136012.D

Acq: 28 Oct 2023 18:42

Instrument :

BNA\_F

ClientSampleId :

SU-622-VOC-04MSD

Tgt Ion: 77 Resp: 1020680

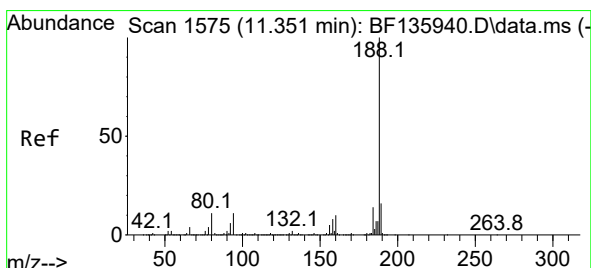
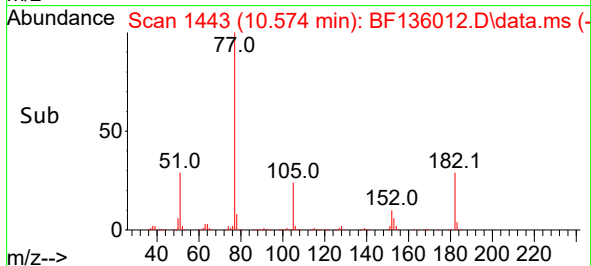
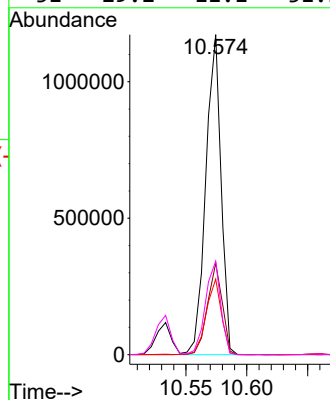
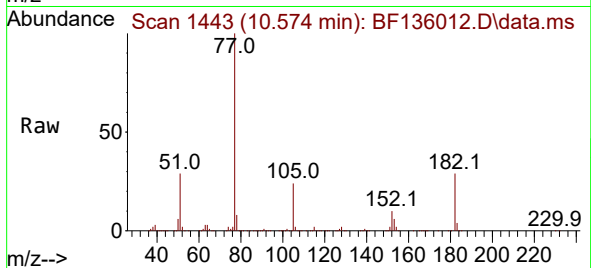
Ion Ratio Lower Upper

77 100

182 28.6 5.1 45.1

105 23.6 2.8 42.8

51 29.2 11.1 51.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 1576

Delta R.T. 0.006 min

Lab File: BF136012.D

Acq: 28 Oct 2023 18:42

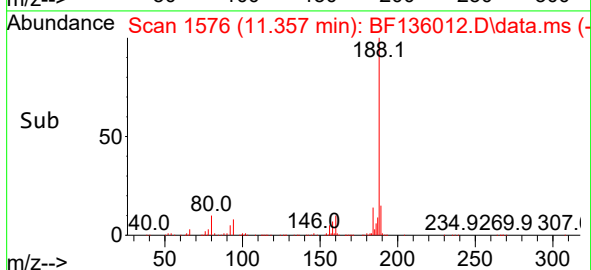
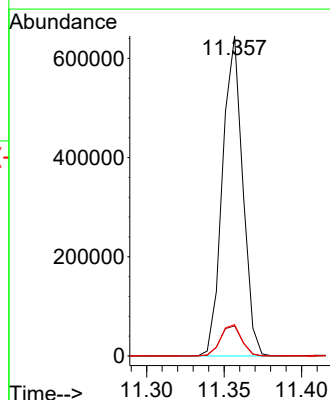
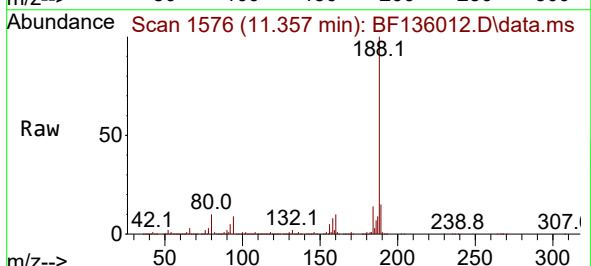
Tgt Ion:188 Resp: 584504

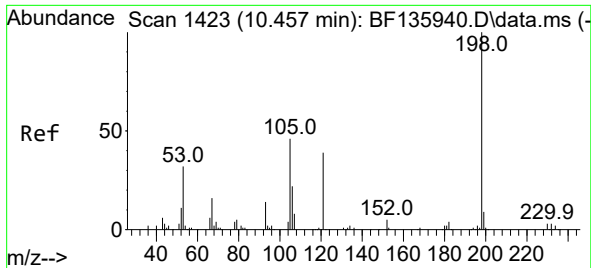
Ion Ratio Lower Upper

188 100

94 9.4 8.6 13.0

80 9.8 9.0 13.6

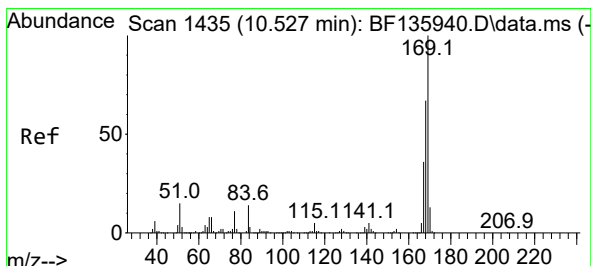
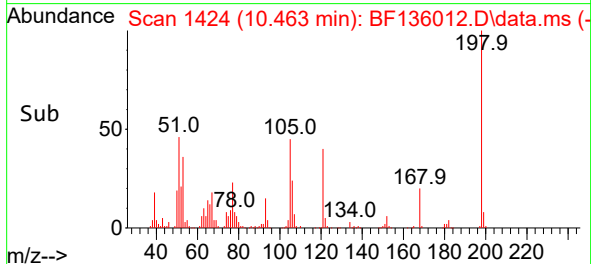
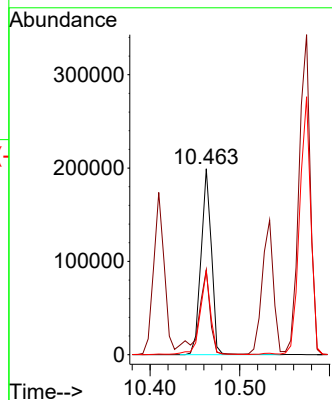
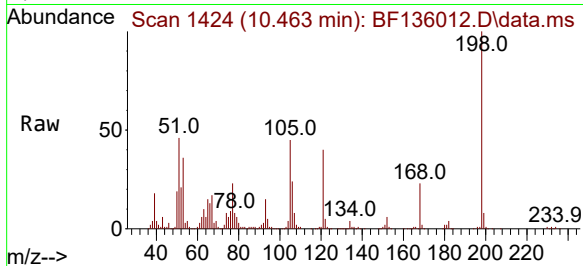




#65  
4,6-Dinitro-2-methylphenol  
Concen: 68.881 ng  
RT: 10.463 min Scan# 1423  
Delta R.T. 0.006 min  
Lab File: BF136012.D  
Acq: 28 Oct 2023 18:42

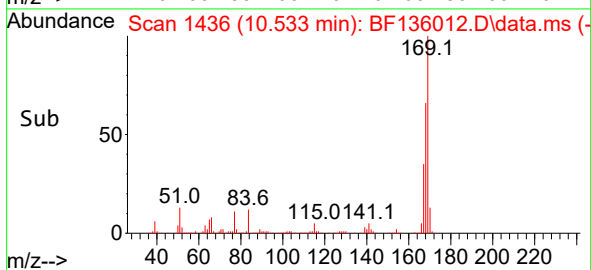
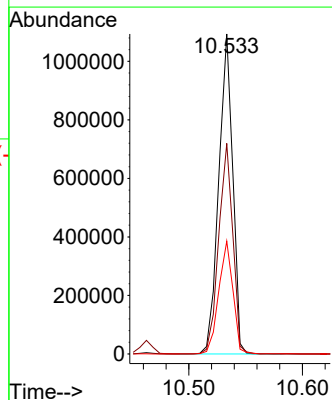
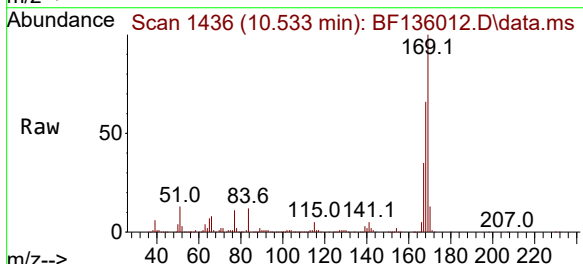
Instrument :  
BNA\_F  
ClientSampleId :  
SU-622-VOC-04MSD

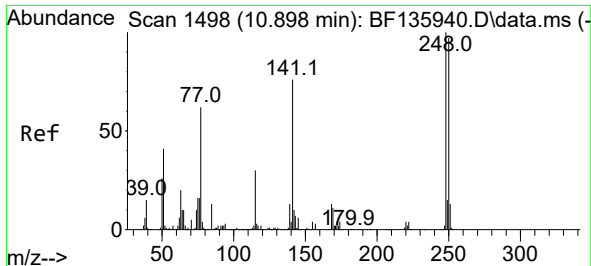
Tgt Ion:198 Resp: 159616  
Ion Ratio Lower Upper  
198 100  
51 45.6 28.7 68.7  
105 45.0 27.2 67.2



#66  
n-Nitrosodiphenylamine  
Concen: 53.049 ng  
RT: 10.533 min Scan# 1436  
Delta R.T. 0.006 min  
Lab File: BF136012.D  
Acq: 28 Oct 2023 18:42

Tgt Ion:169 Resp: 936738  
Ion Ratio Lower Upper  
169 100  
168 65.8 53.5 80.3  
167 35.2 29.0 43.4

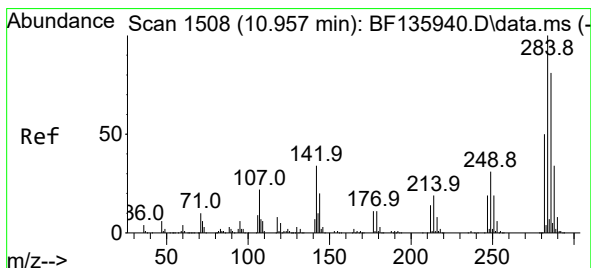
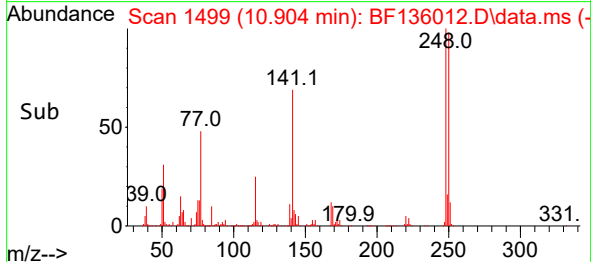
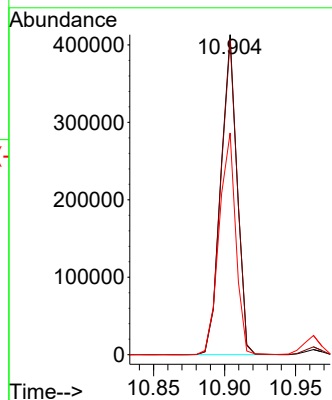
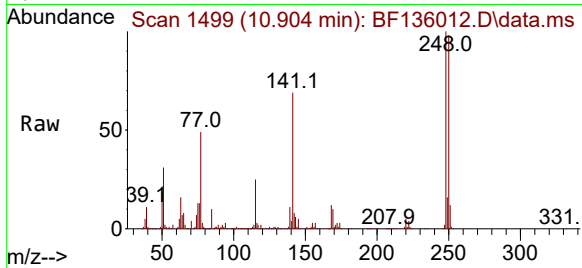




#67  
4-Bromophenyl-phenylether  
Concen: 54.915 ng  
RT: 10.904 min Scan# 1499  
Delta R.T. 0.006 min  
Lab File: BF136012.D  
Acq: 28 Oct 2023 18:42

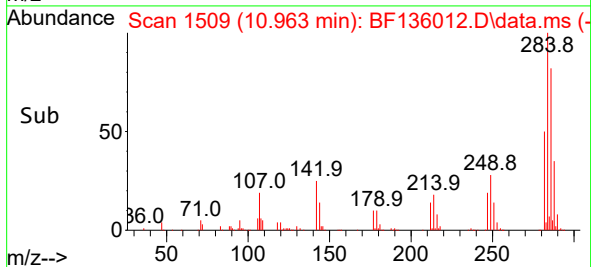
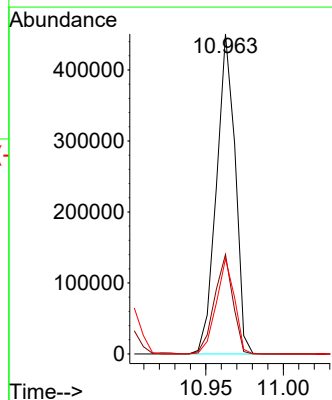
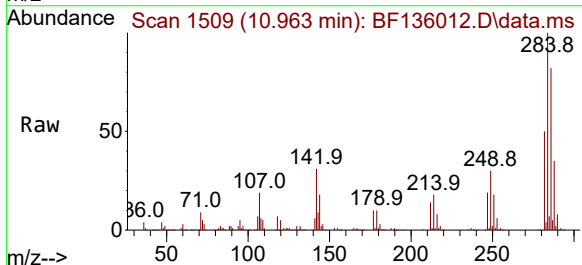
Instrument :  
BNA\_F  
ClientSampleId :  
SU-622-VOC-04MSD

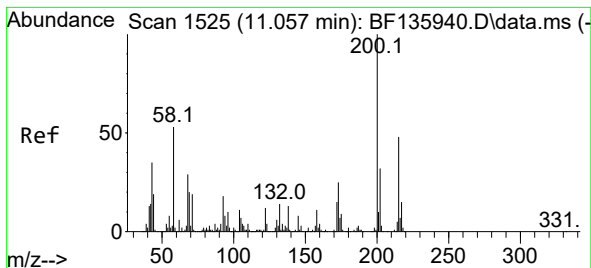
Tgt Ion:248 Resp: 328721  
Ion Ratio Lower Upper  
248 100  
250 98.4 77.9 116.9  
141 69.3 60.8 91.2



#68  
Hexachlorobenzene  
Concen: 58.992 ng  
RT: 10.963 min Scan# 1509  
Delta R.T. 0.006 min  
Lab File: BF136012.D  
Acq: 28 Oct 2023 18:42

Tgt Ion:284 Resp: 377224  
Ion Ratio Lower Upper  
284 100  
142 31.1 27.6 41.4  
249 29.7 24.7 37.1





#69

Atrazine

Concen: 69.215 ng

RT: 11.063 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF136012.D

Acq: 28 Oct 2023 18:42

Instrument :

BNA\_F

ClientSampleId :

SU-622-VOC-04MSD

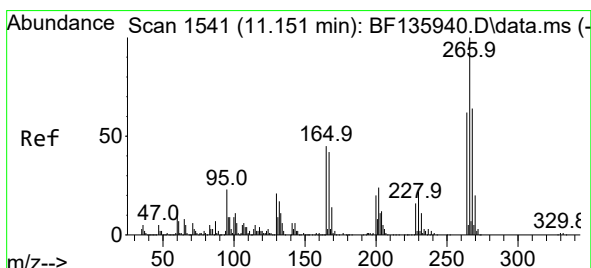
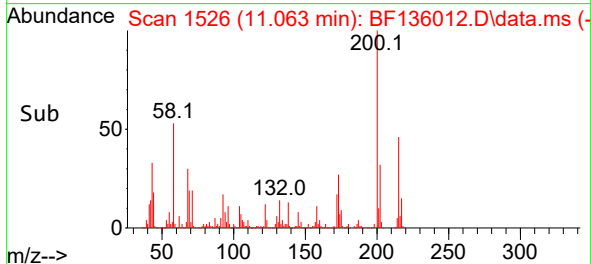
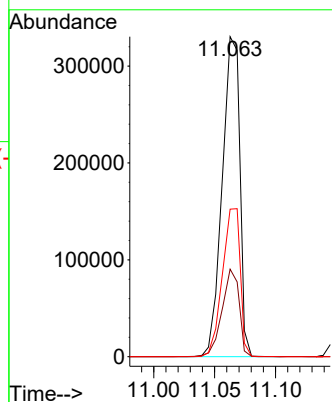
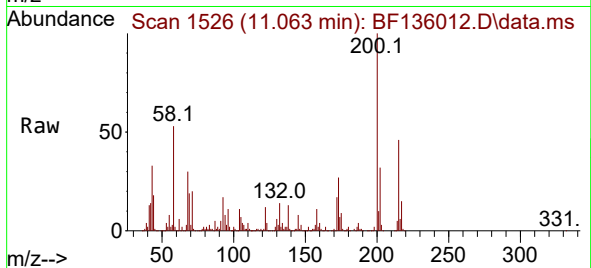
Tgt Ion:200 Resp: 333179

Ion Ratio Lower Upper

200 100

173 27.3 5.5 45.5

215 46.1 27.5 67.5



#70

Pentachlorophenol

Concen: 104.319 ng

RT: 11.157 min Scan# 1542

Delta R.T. 0.006 min

Lab File: BF136012.D

Acq: 28 Oct 2023 18:42

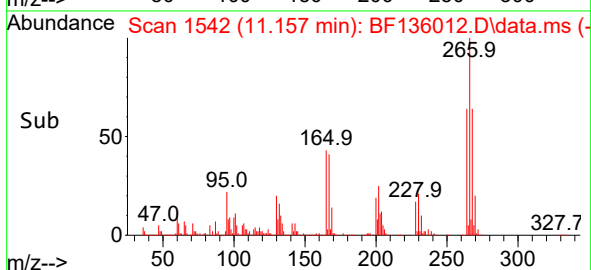
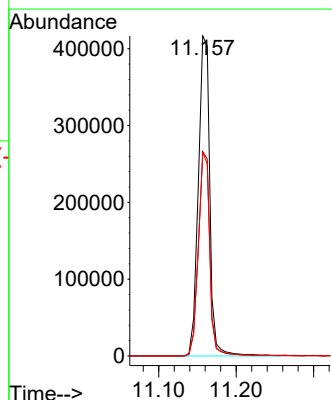
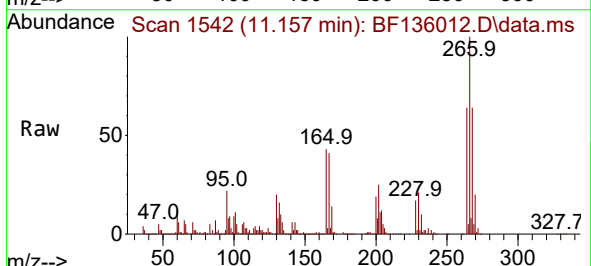
Tgt Ion:266 Resp: 428433

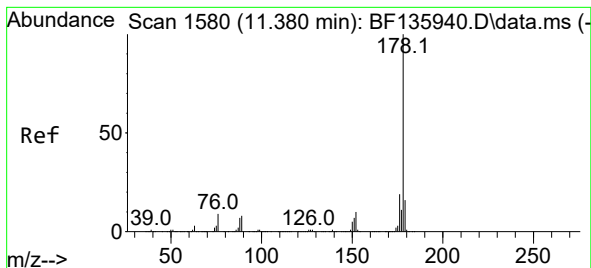
Ion Ratio Lower Upper

266 100

268 63.8 50.8 76.2

264 63.6 49.8 74.6





#71

Phenanthrene

Concen: 53.201 ng

RT: 11.386 min Scan# 1580

Delta R.T. 0.006 min

Lab File: BF136012.D

Acq: 28 Oct 2023 18:42

Instrument :

BNA\_F

ClientSampleId :

SU-622-VOC-04MSD

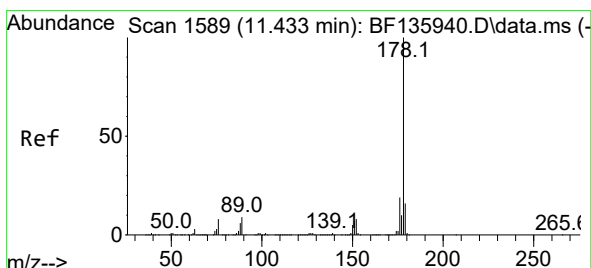
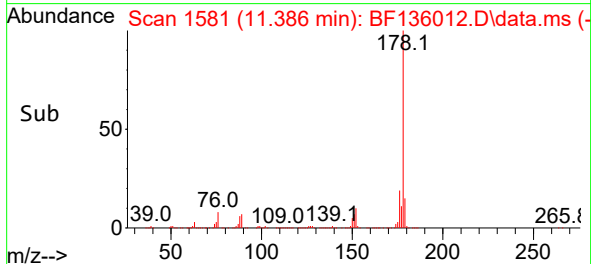
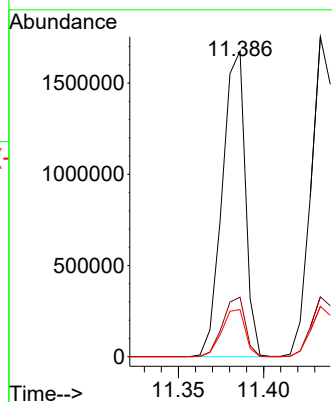
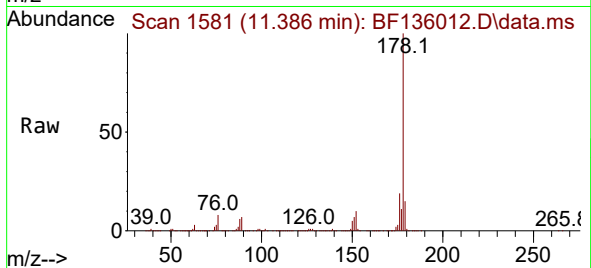
Tgt Ion:178 Resp: 1573238

Ion Ratio Lower Upper

178 100

176 19.5 15.4 23.2

179 15.4 12.5 18.7



#72

Anthracene

Concen: 53.000 ng

RT: 11.433 min Scan# 1589

Delta R.T. -0.000 min

Lab File: BF136012.D

Acq: 28 Oct 2023 18:42

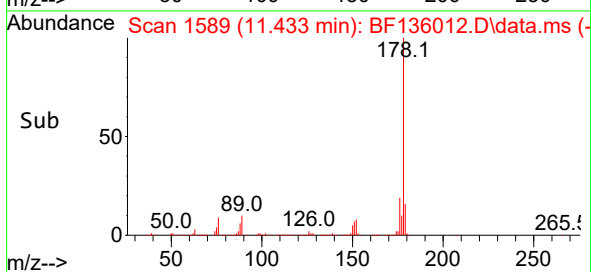
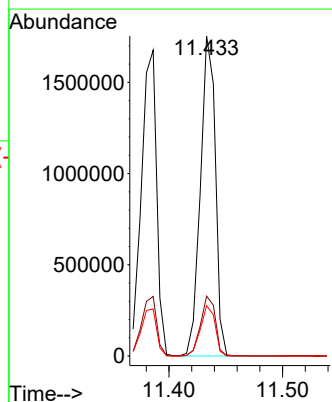
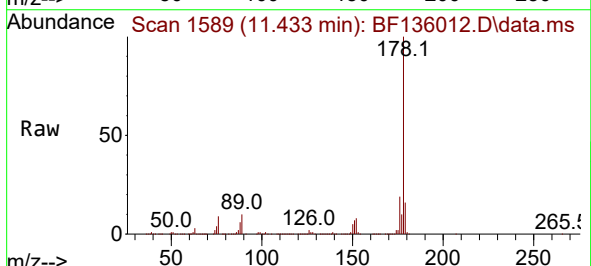
Tgt Ion:178 Resp: 1604784

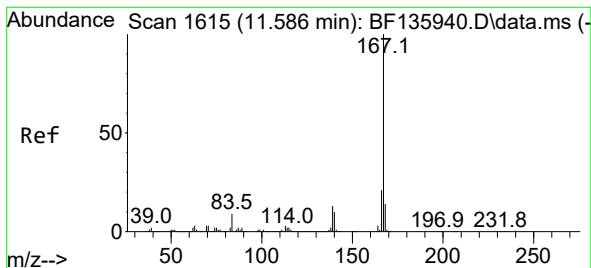
Ion Ratio Lower Upper

178 100

176 18.7 14.9 22.3

179 15.7 12.5 18.7





#73

Carbazole

Concen: 52.887 ng

RT: 11.592 min Scan# 1616

Delta R.T. 0.006 min

Lab File: BF136012.D

Acq: 28 Oct 2023 18:42

Instrument :

BNA\_F

ClientSampleId :

SU-622-VOC-04MSD

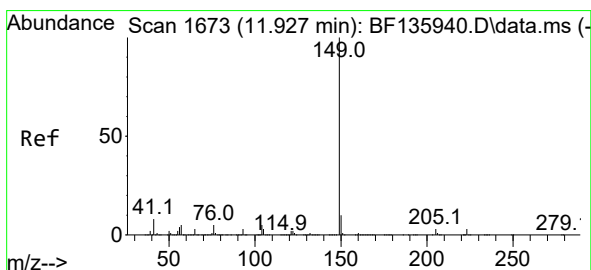
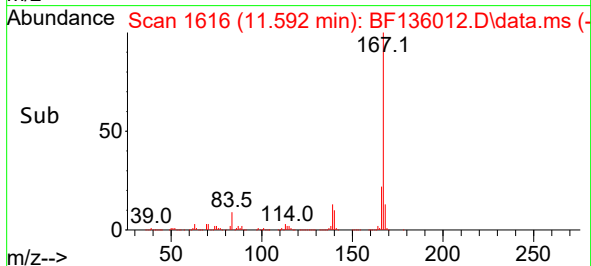
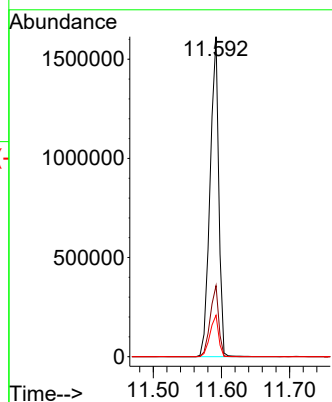
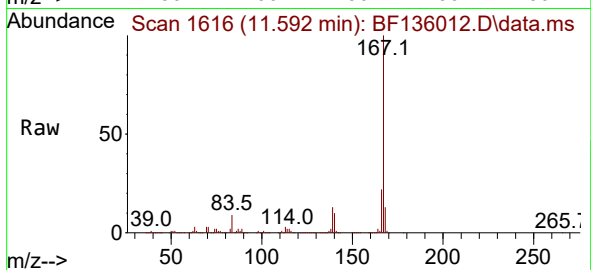
Tgt Ion:167 Resp: 1428504

Ion Ratio Lower Upper

167 100

166 22.2 17.0 25.6

139 13.0 10.4 15.6



#74

Di-n-butylphthalate

Concen: 58.092 ng

RT: 11.933 min Scan# 1674

Delta R.T. 0.006 min

Lab File: BF136012.D

Acq: 28 Oct 2023 18:42

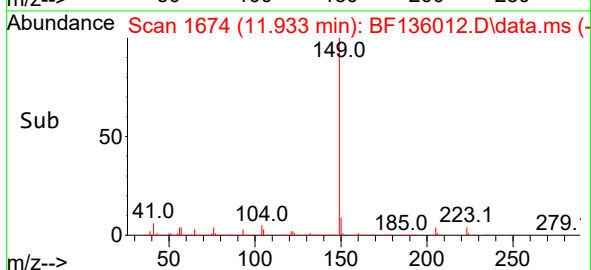
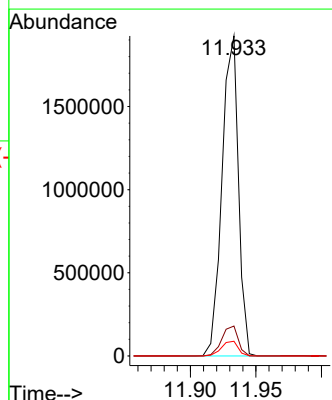
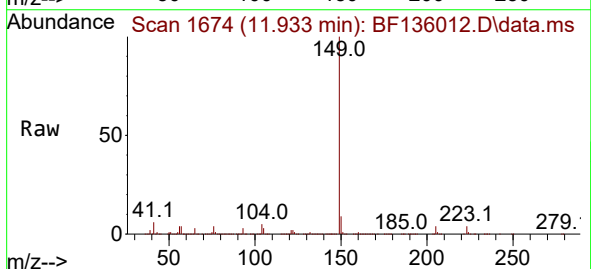
Tgt Ion:149 Resp: 1669686

Ion Ratio Lower Upper

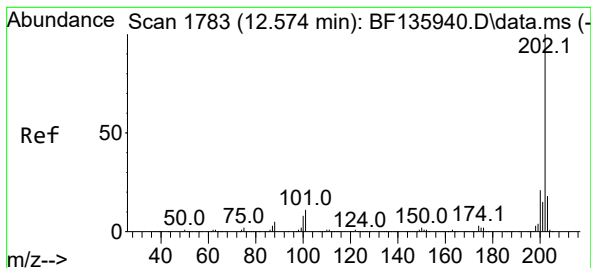
149 100

150 9.3 7.7 11.5

104 4.6 3.9 5.9







#75

Fluoranthene

Concen: 50.821 ng

RT: 12.574 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF136012.D

Acq: 28 Oct 2023 18:42

Instrument :

BNA\_F

ClientSampleId :

SU-622-VOC-04MSD

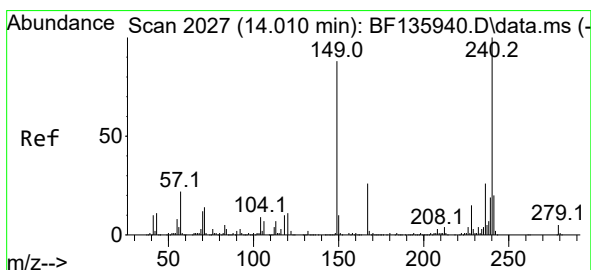
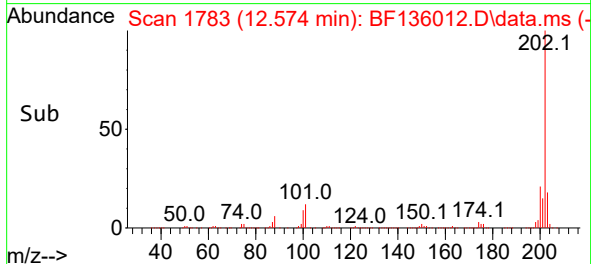
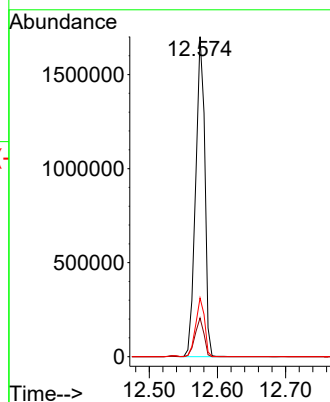
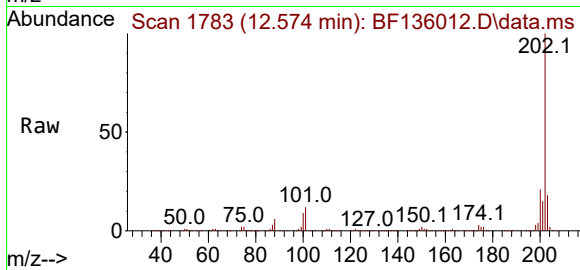
Tgt Ion:202 Resp: 1581077

Ion Ratio Lower Upper

202 100

101 12.1 0.0 30.6

203 18.3 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.015 min Scan# 2028

Delta R.T. 0.006 min

Lab File: BF136012.D

Acq: 28 Oct 2023 18:42

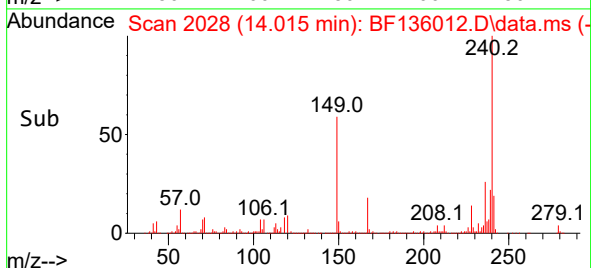
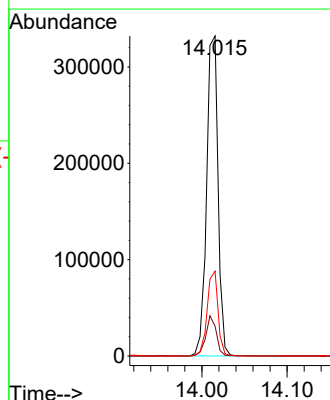
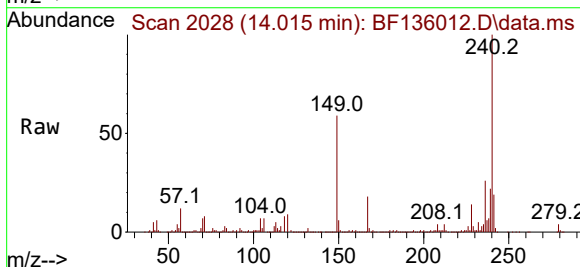
Tgt Ion:240 Resp: 309865

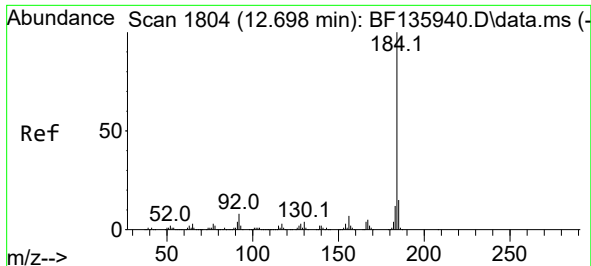
Ion Ratio Lower Upper

240 100

120 9.3 8.6 13.0

236 26.5 20.6 30.8

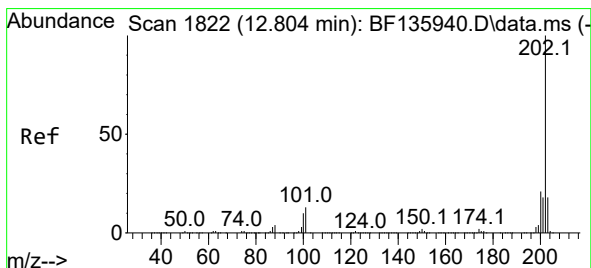
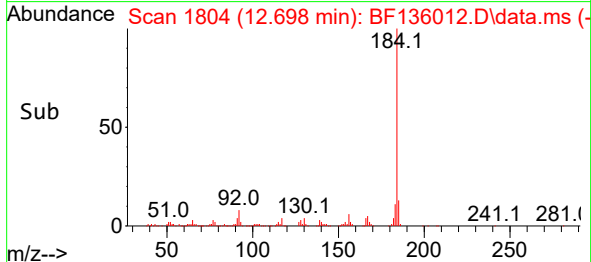
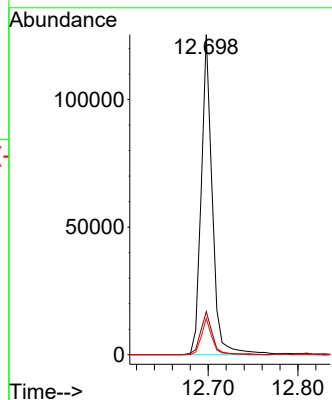
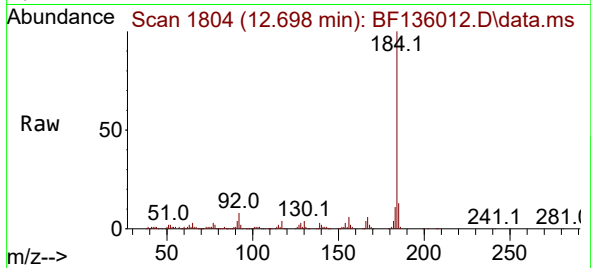




#77  
Benzidine  
Concen: 17.911 ng  
RT: 12.698 min Scan# 1804  
Delta R.T. -0.000 min  
Lab File: BF136012.D  
Acq: 28 Oct 2023 18:42

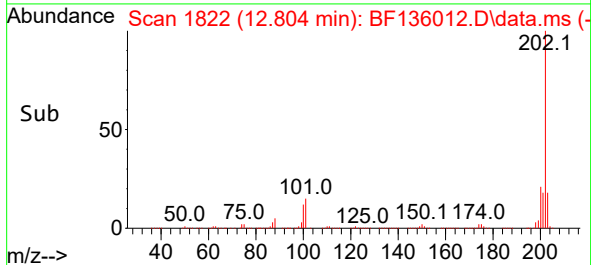
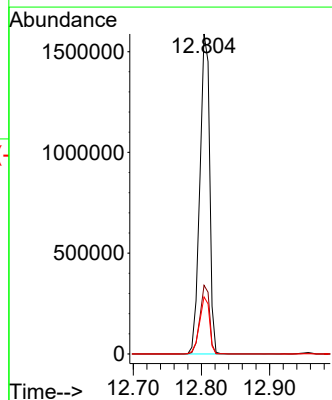
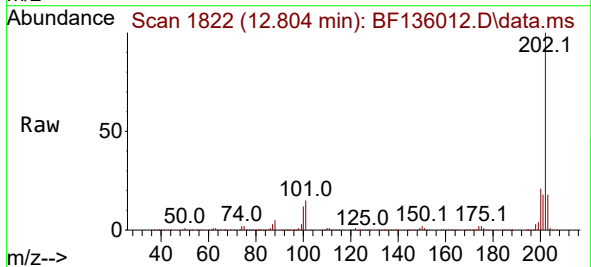
Instrument :  
BNA\_F  
ClientSampleId :  
SU-622-VOC-04MSD

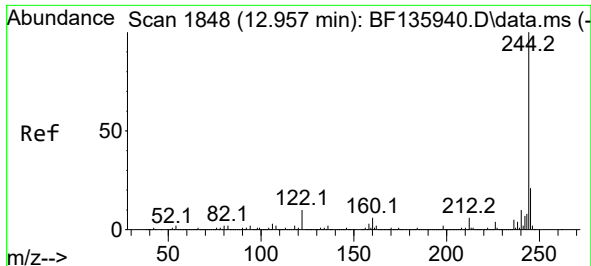
Tgt Ion:184 Resp: 107017  
Ion Ratio Lower Upper  
184 100  
185 13.5 11.7 17.5  
183 11.3 9.2 13.8



#78  
Pyrene  
Concen: 60.749 ng  
RT: 12.804 min Scan# 1822  
Delta R.T. -0.000 min  
Lab File: BF136012.D  
Acq: 28 Oct 2023 18:42

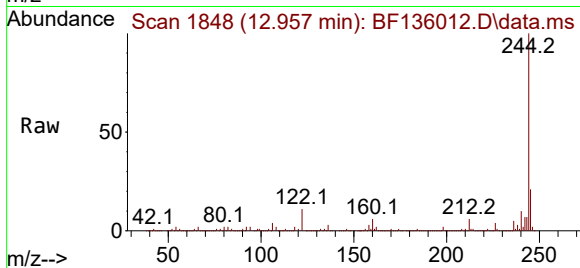
Tgt Ion:202 Resp: 1580539  
Ion Ratio Lower Upper  
202 100  
200 21.4 17.0 25.6  
203 17.9 14.5 21.7





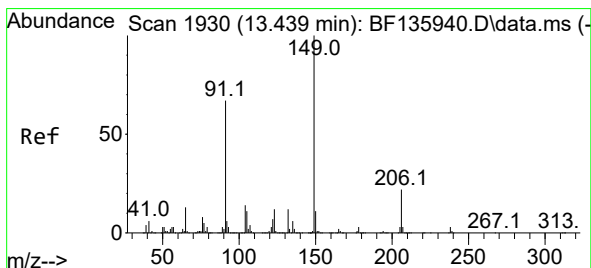
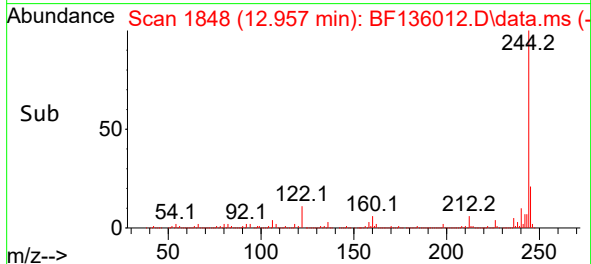
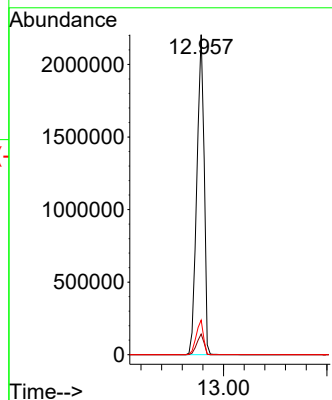
#79  
 Terphenyl-d14  
 Concen: 115.847 ng  
 RT: 12.957 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: BF136012.D  
 Acq: 28 Oct 2023 18:42

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SU-622-VOC-04MSD



Tgt Ion:244 Resp: 2148517  

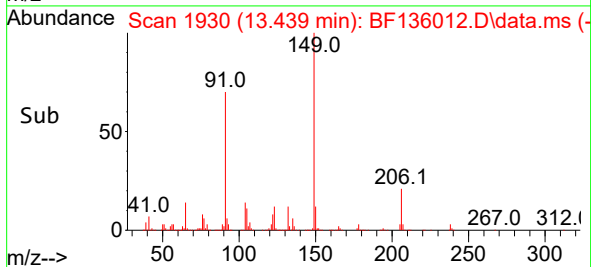
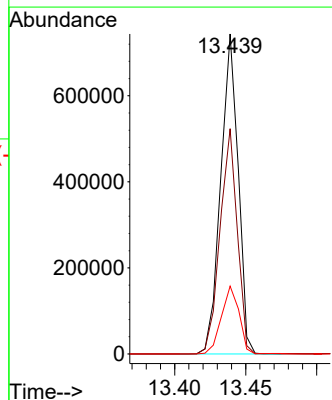
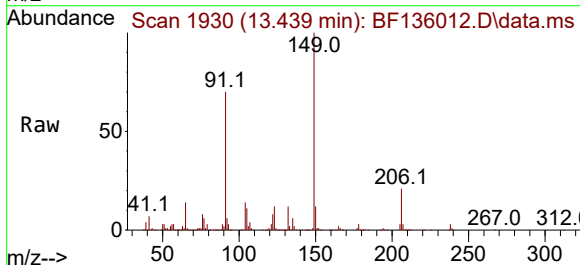
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 6.5   | 5.0   | 7.6   |
| 122 | 10.8  | 8.0   | 12.0  |

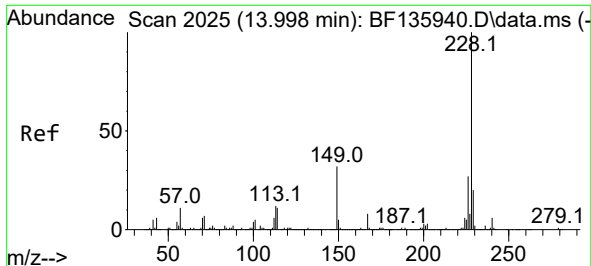


#80  
 Butylbenzylphthalate  
 Concen: 63.002 ng  
 RT: 13.439 min Scan# 1930  
 Delta R.T. -0.000 min  
 Lab File: BF136012.D  
 Acq: 28 Oct 2023 18:42

Tgt Ion:149 Resp: 632259  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 91  | 70.4  | 53.4  | 80.0  |
| 206 | 21.2  | 17.5  | 26.3  |

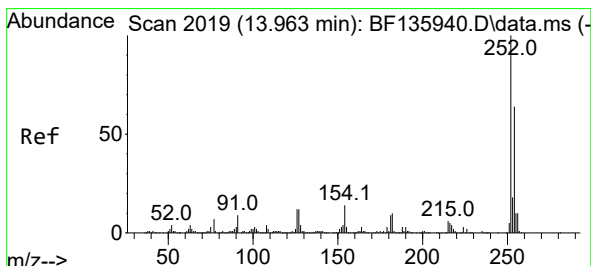
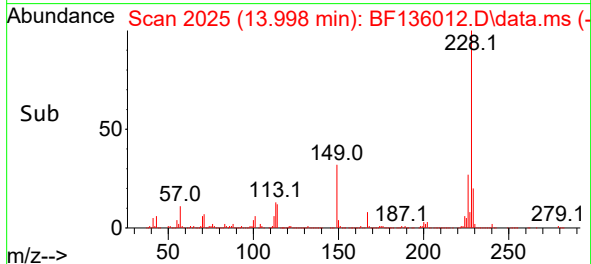
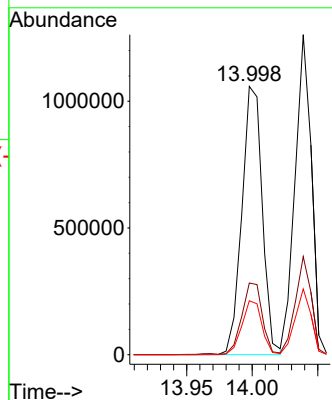
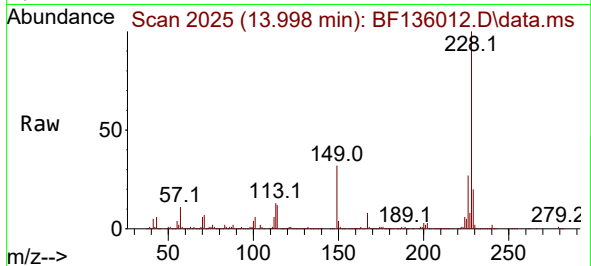




#81  
Benzo(a)anthracene  
Concen: 54.466 ng  
RT: 13.998 min Scan# 2020  
Delta R.T. -0.000 min  
Lab File: BF136012.D  
Acq: 28 Oct 2023 18:42

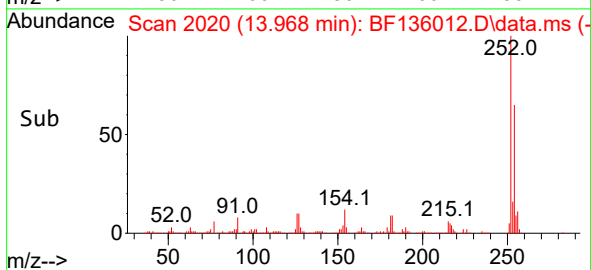
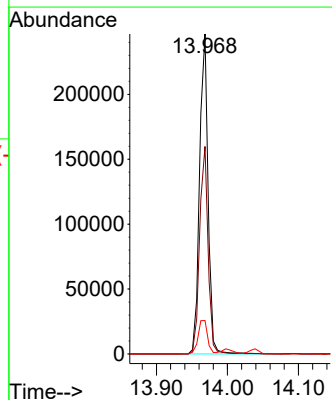
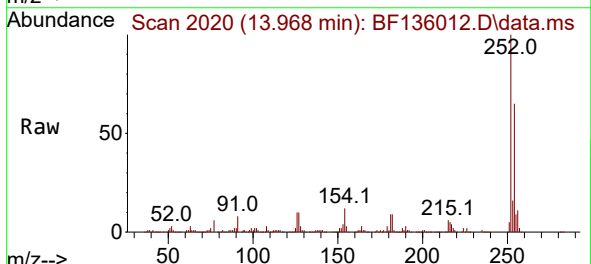
Instrument :  
BNA\_F  
ClientSampleId :  
SU-622-VOC-04MSD

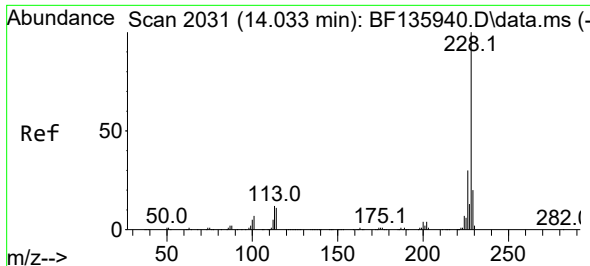
Tgt Ion:228 Resp: 1147546  
Ion Ratio Lower Upper  
228 100  
226 26.7 21.8 32.6  
229 20.1 16.2 24.4



#82  
3,3'-Dichlorobenzidine  
Concen: 32.138 ng  
RT: 13.968 min Scan# 2020  
Delta R.T. 0.006 min  
Lab File: BF136012.D  
Acq: 28 Oct 2023 18:42

Tgt Ion:252 Resp: 206001  
Ion Ratio Lower Upper  
252 100  
254 64.9 50.9 76.3  
126 10.4 9.8 14.6

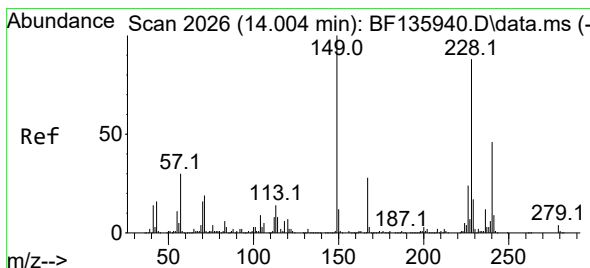
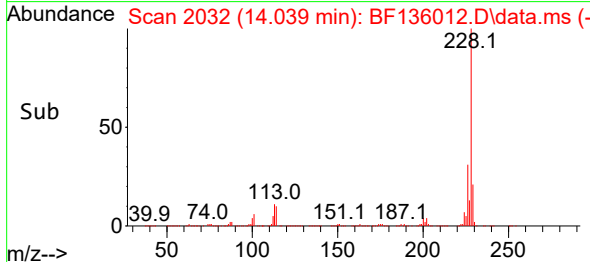
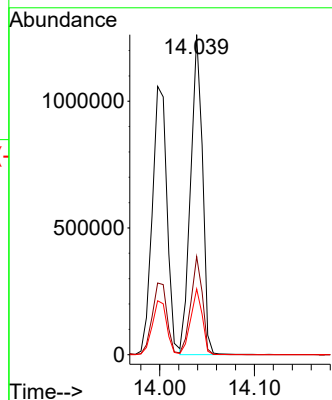
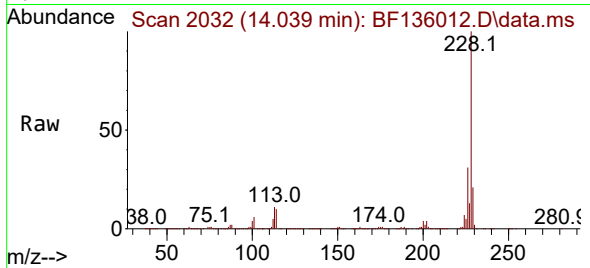




#83  
Chrysene  
Concen: 53.679 ng  
RT: 14.039 min Scan# 2031  
Delta R.T. 0.006 min  
Lab File: BF136012.D  
Acq: 28 Oct 2023 18:42

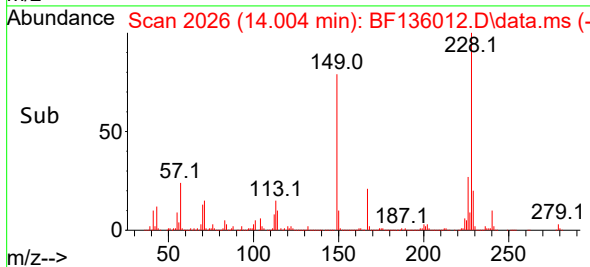
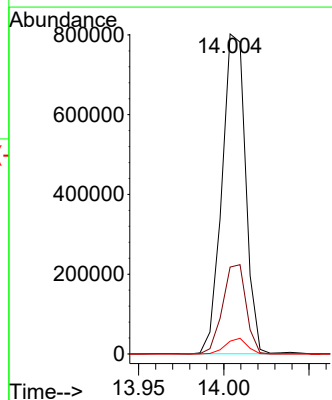
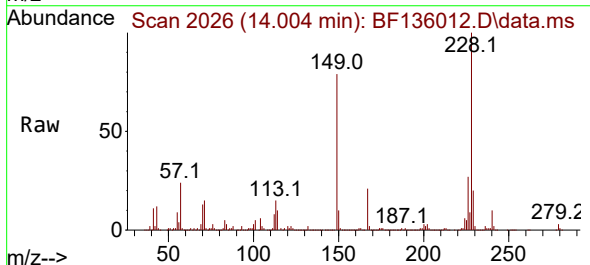
Instrument :  
BNA\_F  
ClientSampleId :  
SU-622-VOC-04MSD

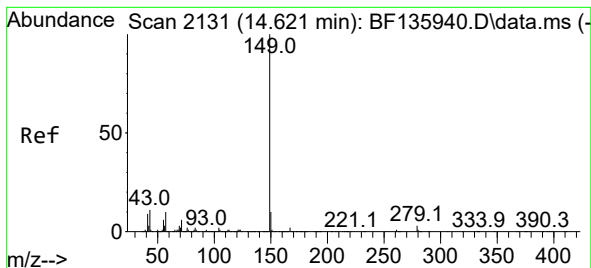
Tgt Ion:228 Resp: 1101506  
Ion Ratio Lower Upper  
228 100  
226 30.6 23.9 35.9  
229 20.6 16.2 24.2



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 72.266 ng  
RT: 14.004 min Scan# 2026  
Delta R.T. -0.000 min  
Lab File: BF136012.D  
Acq: 28 Oct 2023 18:42

Tgt Ion:149 Resp: 773147  
Ion Ratio Lower Upper  
149 100  
167 27.2 22.2 33.2  
279 4.0 3.1 4.7





#85

Di-n-octyl phthalate

Concen: 74.995 ng

RT: 14.627 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF136012.D

Acq: 28 Oct 2023 18:42

Instrument :

BNA\_F

ClientSampleId :

SU-622-VOC-04MSD

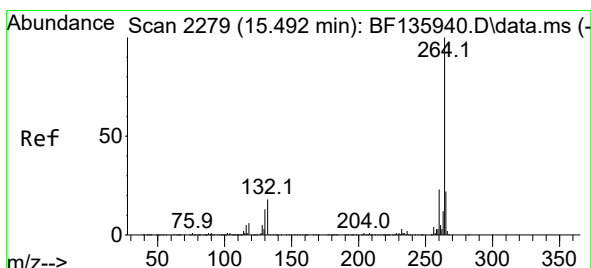
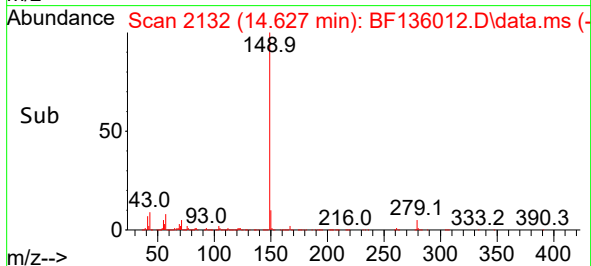
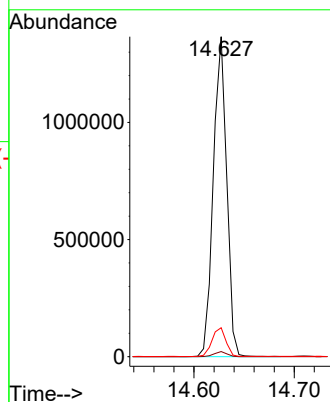
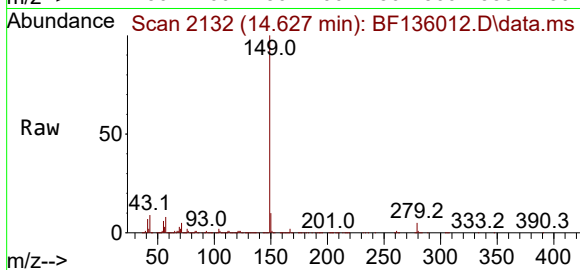
Tgt Ion:149 Resp: 1263928

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

43 9.4 8.6 12.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.498 min Scan# 2280

Delta R.T. 0.006 min

Lab File: BF136012.D

Acq: 28 Oct 2023 18:42

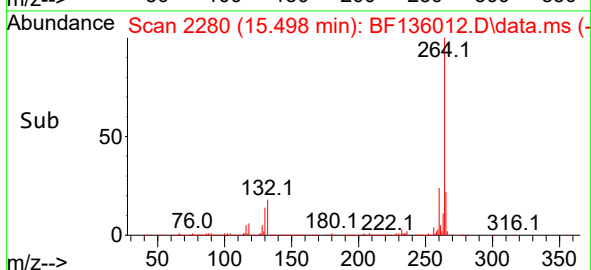
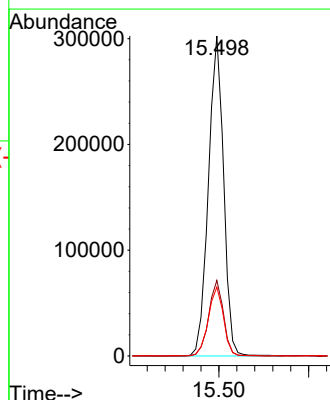
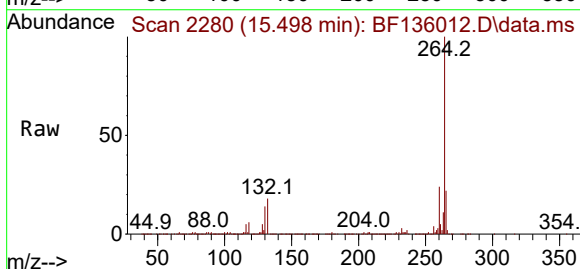
Tgt Ion:264 Resp: 354640

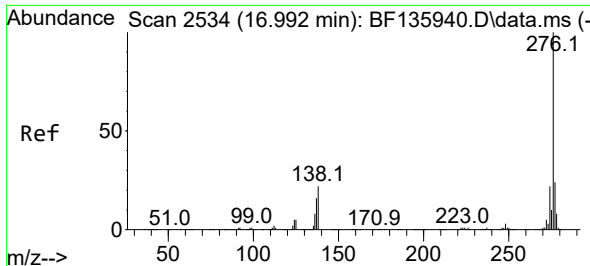
Ion Ratio Lower Upper

264 100

260 23.6 18.6 28.0

265 21.6 17.3 25.9

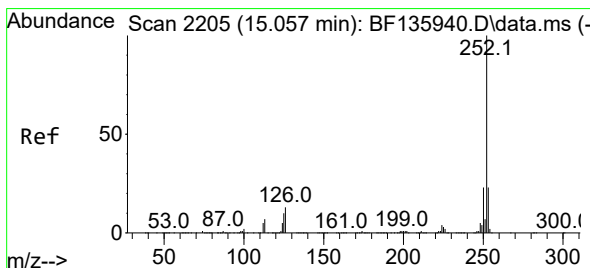
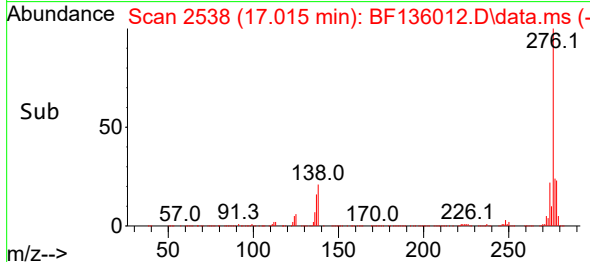
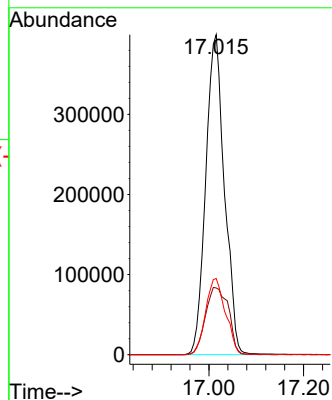
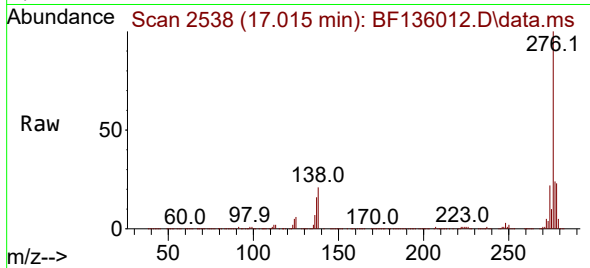




#87  
 Indeno(1,2,3-cd)pyrene  
 Concen: 54.565 ng  
 RT: 17.015 min Scan# 21  
 Delta R.T. 0.023 min  
 Lab File: BF136012.D  
 Acq: 28 Oct 2023 18:42

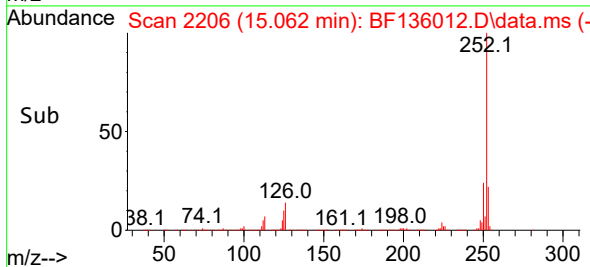
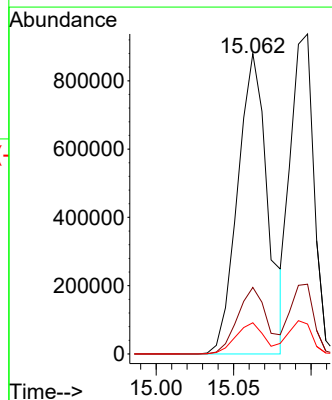
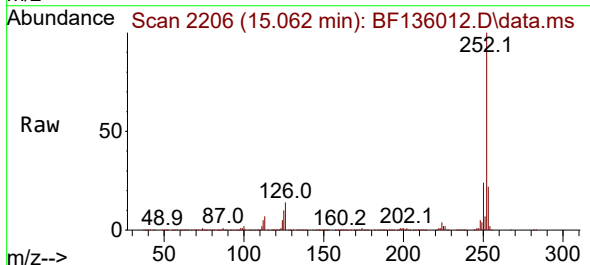
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SU-622-VOC-04MSD

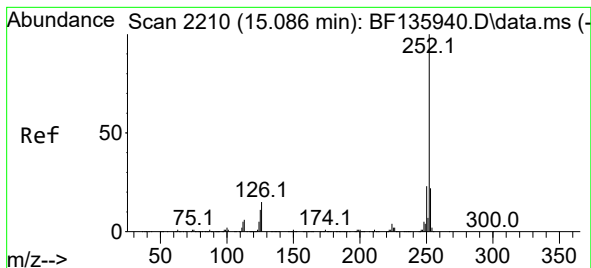
Tgt Ion:276 Resp: 1097262  
 Ion Ratio Lower Upper  
 276 100  
 138 25.8 21.8 32.6  
 277 25.3 20.0 30.0



#88  
 Benzo(b)fluoranthene  
 Concen: 56.105 ng  
 RT: 15.062 min Scan# 2206  
 Delta R.T. 0.006 min  
 Lab File: BF136012.D  
 Acq: 28 Oct 2023 18:42

Tgt Ion:252 Resp: 1184116  
 Ion Ratio Lower Upper  
 252 100  
 253 22.2 18.0 27.0  
 125 10.4 8.2 12.4





#89

Benzo(k)fluoranthene

Concen: 47.375 ng

RT: 15.098 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF136012.D

Acq: 28 Oct 2023 18:42

Instrument :

BNA\_F

ClientSampleId :

SU-622-VOC-04MSD

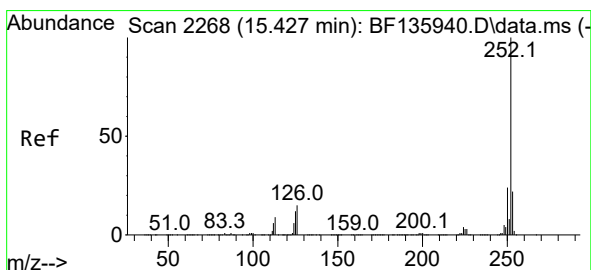
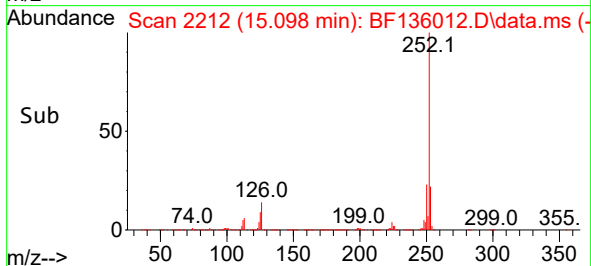
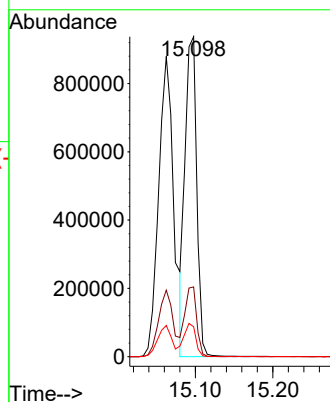
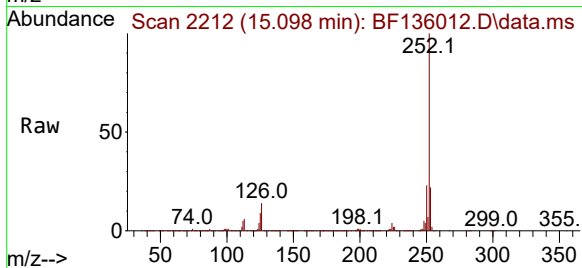
Tgt Ion:252 Resp: 982002

Ion Ratio Lower Upper

252 100

253 21.8 17.7 26.5

125 9.4 8.5 12.7



#90

Benzo(a)pyrene

Concen: 50.861 ng

RT: 15.439 min Scan# 2270

Delta R.T. 0.012 min

Lab File: BF136012.D

Acq: 28 Oct 2023 18:42

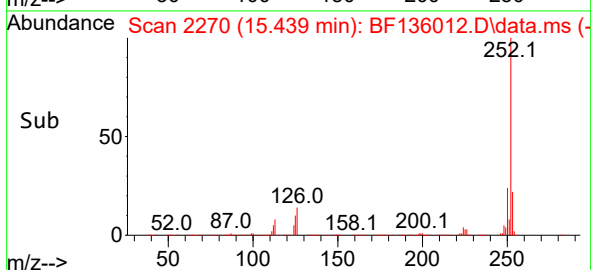
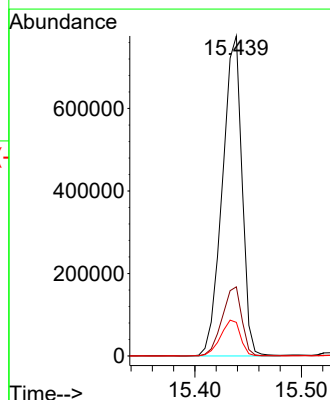
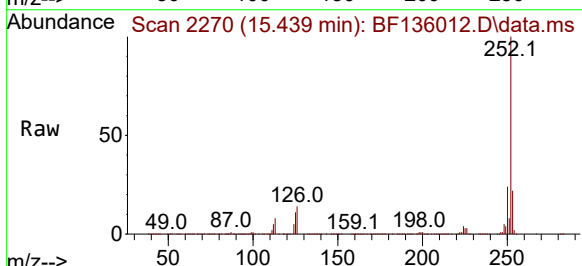
Tgt Ion:252 Resp: 989332

Ion Ratio Lower Upper

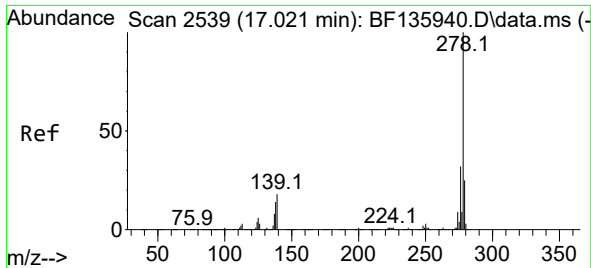
252 100

253 21.6 17.4 26.2

125 10.5 9.6 14.4



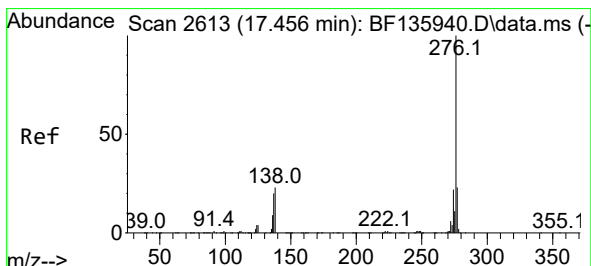
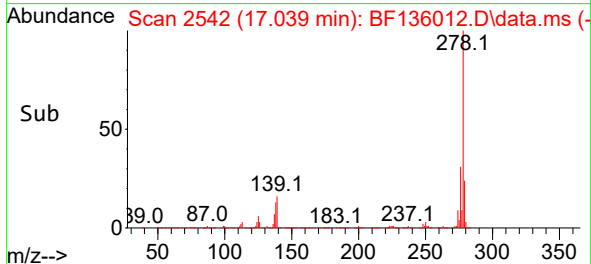
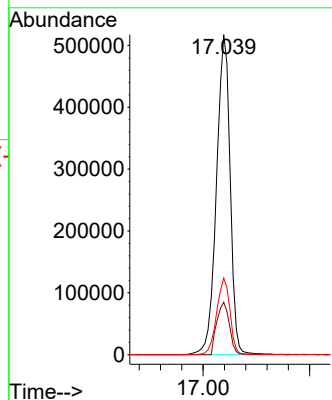
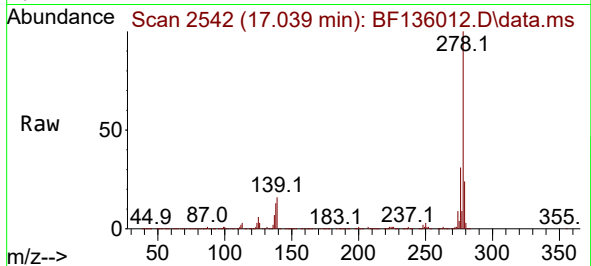




#91  
Dibenzo(a,h)anthracene  
Concen: 53.654 ng  
RT: 17.039 min Scan# 2542  
Delta R.T. 0.018 min  
Lab File: BF136012.D  
Acq: 28 Oct 2023 18:42

Instrument :  
BNA\_F  
ClientSampleId :  
SU-622-VOC-04MSD

Tgt Ion:278 Resp: 922886  
Ion Ratio Lower Upper  
278 100  
139 16.4 14.0 21.0  
279 23.9 19.7 29.5



#92  
Benzo(g,h,i)perylene  
Concen: 43.212 ng  
RT: 17.474 min Scan# 2616  
Delta R.T. 0.018 min  
Lab File: BF136012.D  
Acq: 28 Oct 2023 18:42

Tgt Ion:276 Resp: 837130  
Ion Ratio Lower Upper  
276 100  
277 24.2 18.6 28.0  
138 22.1 18.4 27.6

