

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF020422\  
 Data File : BF126819.D  
 Acq On : 04 Feb 2022 18:59  
 Operator : CG/JU  
 Sample : N1381-12MSD  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DB-09(25-30)-02-02-22MSD

Quant Time: Feb 04 23:55:36 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF020222.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Feb 02 15:08:47 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.945  | 152  | 148563   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.233  | 136  | 582817   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.992  | 164  | 311087   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.480 | 188  | 524912   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.133 | 240  | 290590   | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 15.645 | 264  | 253608   | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.575  | 112  | 1253119  | 115.530 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.575  | 99   | 1713869  | 114.229 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.516  | 82   | 1210376  | 77.723  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.786 | 330  | 368971   | 114.283 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.310  | 172  | 1405715  | 74.822  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.068 | 244  | 1303585  | 75.043  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.869  | 88   | 230696   | 42.031  | ng    | # 86     |
| 3) Pyridine                   | 3.622  | 79   | 576246   | 38.714  | ng    | # 80     |
| 4) n-Nitrosodimethylamine     | 3.587  | 42   | 216117   | 47.006  | ng    | # 68     |
| 6) Aniline                    | 6.622  | 93   | 702987   | 36.718  | ng    | 97       |
| 8) 2-Chlorophenol             | 6.734  | 128  | 491299   | 49.536  | ng    | 98       |
| 9) Benzaldehyde               | 6.504  | 77   | 455829   | 48.290  | ng    | 88       |
| 10) Phenol                    | 6.586  | 94   | 793929   | 49.437  | ng    | 96       |
| 11) bis(2-Chloroethyl)ether   | 6.686  | 93   | 627258   | 48.482  | ng    | 90       |
| 12) 1,3-Dichlorobenzene       | 6.892  | 146  | 513473   | 45.978  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.969  | 146  | 519459   | 46.021  | ng    | 97       |
| 14) 1,2-Dichlorobenzene       | 7.116  | 146  | 492068   | 44.860  | ng    | 96       |
| 15) Benzyl Alcohol            | 7.086  | 79   | 567668   | 47.354  | ng    | 93       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.222  | 45   | 670669   | 48.117  | ng    | 82       |
| 17) 2-Methylphenol            | 7.192  | 107  | 456352   | 46.790  | ng    | 93       |
| 18) Hexachloroethane          | 7.463  | 117  | 207544   | 46.938  | ng    | # 90     |
| 19) n-Nitroso-di-n-propyla... | 7.363  | 70   | 445515   | 45.094  | ng    | # 83     |
| 20) 3+4-Methylphenols         | 7.345  | 107  | 550244   | 44.794  | ng    | # 84     |
| 22) Acetophenone              | 7.357  | 105  | 741574   | 43.972  | ng    | # 90     |
| 24) Nitrobenzene              | 7.533  | 77   | 718085   | 46.452  | ng    | # 87     |
| 25) Isophorone                | 7.769  | 82   | 1281668  | 47.955  | ng    | 95       |
| 26) 2-Nitrophenol             | 7.845  | 139  | 251432   | 48.802  | ng    | # 72     |
| 27) 2,4-Dimethylphenol        | 7.880  | 122  | 436887   | 48.551  | ng    | 89       |
| 28) bis(2-Chloroethoxy)met... | 7.981  | 93   | 768126   | 45.316  | ng    | 97       |
| 29) 2,4-Dichlorophenol        | 8.086  | 162  | 402076   | 45.390  | ng    | 96       |
| 30) 1,2,4-Trichlorobenzene    | 8.169  | 180  | 415986   | 43.667  | ng    | 99       |
| 31) Naphthalene               | 8.257  | 128  | 1357046  | 44.548  | ng    | 99       |
| 32) Benzoic acid              | 7.992  | 122  | 274229   | 39.490  | ng    | # 75     |
| 33) 4-Chloroaniline           | 8.298  | 127  | 180990   | 14.705  | ng    | # 94     |
| 34) Hexachlorobutadiene       | 8.369  | 225  | 256100   | 42.890  | ng    | 99       |
| 35) Caprolactam               | 8.675  | 113  | 81961    | 25.428  | ng    | # 79     |
| 36) 4-Chloro-3-methylphenol   | 8.780  | 107  | 515140   | 45.623  | ng    | 91       |
| 37) 2-Methylnaphthalene       | 8.945  | 142  | 859141   | 45.770  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 9.045  | 142  | 807150   | 44.671  | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 9.110  | 216  | 401726   | 44.851  | ng    | 97       |
| 41) Hexachlorocyclopentadiene | 9.098  | 237  | 459635   | 89.028  | ng    | 94       |
| 43) 2,4,6-Trichlorophenol     | 9.222  | 196  | 285169   | 45.193  | ng    | 98       |

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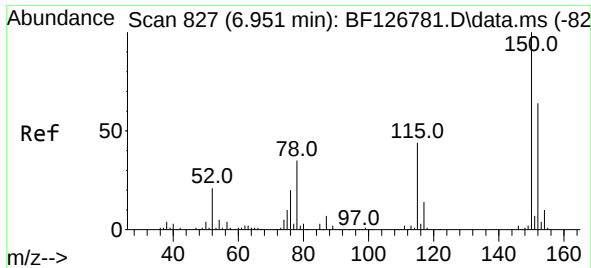
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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.222  | 196  | 285169   | 43.288 | ng    | 94       |
| 46) 1,1'-Biphenyl             | 9.410  | 154  | 1035659  | 45.457 | ng    | 97       |
| 47) 2-Chloronaphthalene       | 9.439  | 162  | 819066   | 45.351 | ng    | 100      |
| 48) 2-Nitroaniline            | 9.533  | 65   | 343421   | 46.638 | ng    | 93       |
| 49) Acenaphthylene            | 9.857  | 152  | 1306500  | 46.853 | ng    | 98       |
| 50) Dimethylphthalate         | 9.716  | 163  | 985802   | 45.844 | ng    | # 99     |
| 51) 2,6-Dinitrotoluene        | 9.774  | 165  | 216064   | 48.915 | ng    | 85       |
| 52) Acenaphthene              | 10.027 | 154  | 879374   | 49.460 | ng    | 97       |
| 53) 3-Nitroaniline            | 9.945  | 138  | 171408   | 34.054 | ng    | 80       |
| 54) 2,4-Dinitrophenol         | 10.051 | 184  | 211096   | 90.726 | ng    | 92       |
| 55) Dibenzofuran              | 10.198 | 168  | 1138977  | 43.402 | ng    | 98       |
| 56) 4-Nitrophenol             | 10.104 | 139  | 343542   | 90.122 | ng    | # 76     |
| 57) 2,4-Dinitrotoluene        | 10.180 | 165  | 289427   | 48.345 | ng    | # 98     |
| 58) Fluorene                  | 10.545 | 166  | 860105   | 44.297 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.316 | 232  | 249242   | 43.712 | ng    | # 82     |
| 60) Diethylphthalate          | 10.410 | 149  | 934532   | 44.231 | ng    | 97       |
| 61) 4-Chlorophenyl-phenyle... | 10.533 | 204  | 423807   | 43.151 | ng    | 89       |
| 62) 4-Nitroaniline            | 10.569 | 138  | 208000   | 43.549 | ng    | 81       |
| 63) Azobenzene                | 10.692 | 77   | 1291166  | 44.044 | ng    | 91       |
| 65) 4,6-Dinitro-2-methylph... | 10.586 | 198  | 144281   | 45.311 | ng    | 95       |
| 66) n-Nitrosodiphenylamine    | 10.651 | 169  | 778018   | 46.091 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 11.027 | 248  | 273395   | 45.503 | ng    | # 89     |
| 68) Hexachlorobenzene         | 11.086 | 284  | 299108   | 45.496 | ng    | 92       |
| 69) Atrazine                  | 11.180 | 200  | 256530   | 46.835 | ng    | 92       |
| 70) Pentachlorophenol         | 11.280 | 266  | 324657   | 84.643 | ng    | 98       |
| 71) Phenanthrene              | 11.510 | 178  | 1284535  | 44.185 | ng    | 99       |
| 72) Anthracene                | 11.563 | 178  | 1302757  | 44.741 | ng    | 100      |
| 73) Carbazole                 | 11.716 | 167  | 1125081  | 40.958 | ng    | 99       |
| 74) Di-n-butylphthalate       | 12.039 | 149  | 1427903  | 44.834 | ng    | # 98     |
| 75) Fluoranthene              | 12.704 | 202  | 1232786  | 41.690 | ng    | 97       |
| 77) Benzidine                 | 12.821 | 184  | 211321   | 31.700 | ng    | 98       |
| 78) Pyrene                    | 12.933 | 202  | 1215278  | 52.331 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.545 | 149  | 514111   | 53.354 | ng    | # 93     |
| 81) Benzo(a)anthracene        | 14.121 | 228  | 896497   | 46.235 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 14.080 | 252  | 216373   | 38.965 | ng    | # 97     |
| 83) Chrysene                  | 14.157 | 228  | 840013   | 45.755 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.098 | 149  | 689022   | 54.961 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.721 | 149  | 953482   | 53.340 | ng    | # 93     |
| 87) Indeno(1,2,3-cd)pyrene    | 17.198 | 276  | 846413   | 54.719 | ng    | # 89     |
| 88) Benzo(b)fluoranthene      | 15.198 | 252  | 740184   | 44.636 | ng    | # 93     |
| 89) Benzo(k)fluoranthene      | 15.227 | 252  | 731706   | 44.234 | ng    | # 96     |
| 90) Benzo(a)pyrene            | 15.580 | 252  | 744039   | 56.286 | ng    | # 95     |
| 91) Dibenzo(a,h)anthracene    | 17.221 | 278  | 726400   | 57.332 | ng    | # 93     |
| 92) Benzo(g,h,i)perylene      | 17.680 | 276  | 732915   | 58.567 | ng    | # 89     |

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

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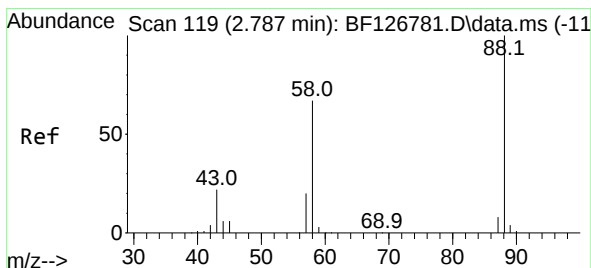
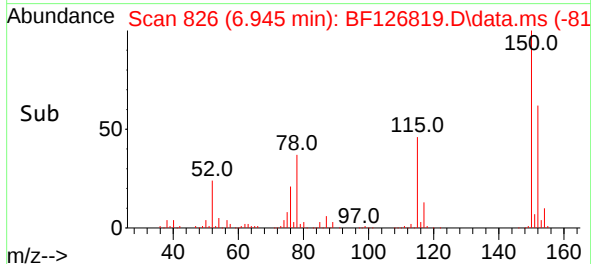
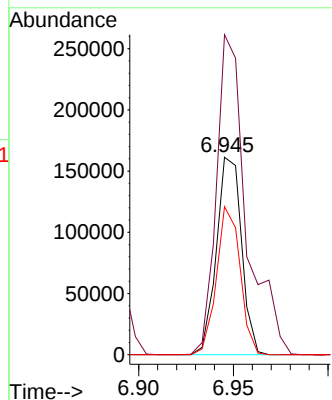
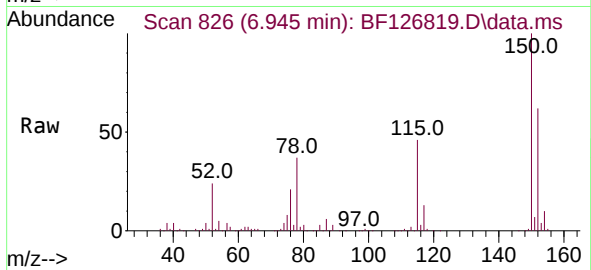




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.945 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

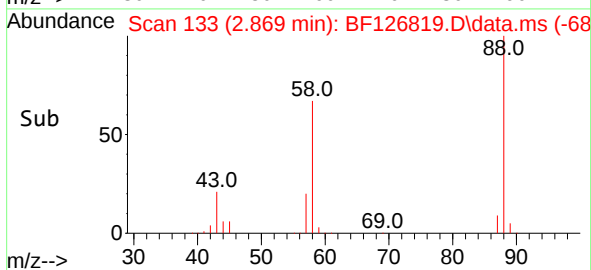
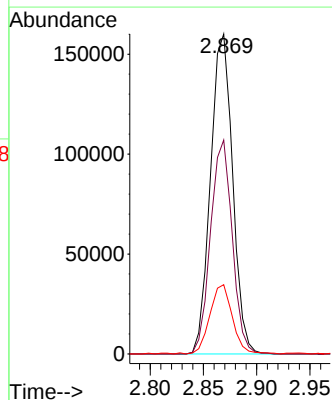
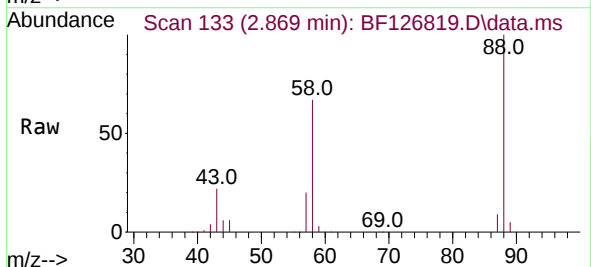
Instrument :  
BNA\_F  
ClientSampleId :  
DB-09(25-30)-02-02-22MSD

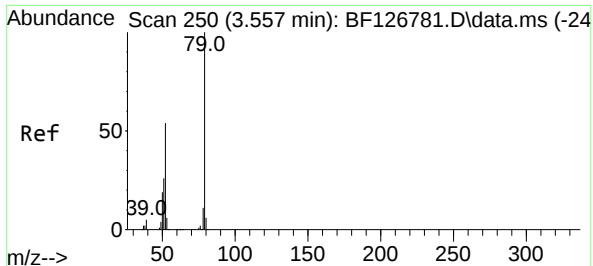
Tgt Ion:152 Resp: 148563  
Ion Ratio Lower Upper  
152 100  
150 162.0 128.1 192.1  
115 74.9 56.7 85.1



#2  
1,4-Dioxane  
Concen: 42.031 ng  
RT: 2.869 min Scan# 133  
Delta R.T. 0.082 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

Tgt Ion: 88 Resp: 230696  
Ion Ratio Lower Upper  
88 100  
58 65.6 62.8 94.2  
43 22.2 22.3 33.5#

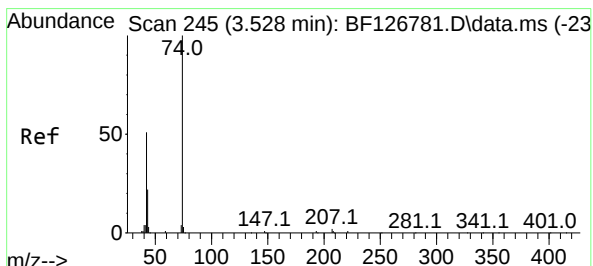
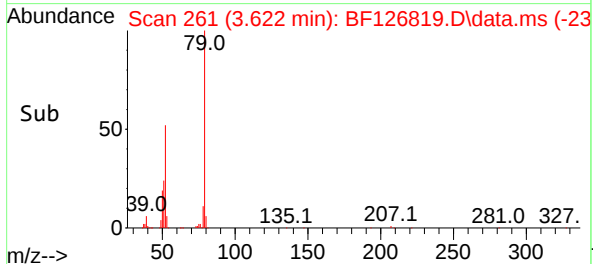
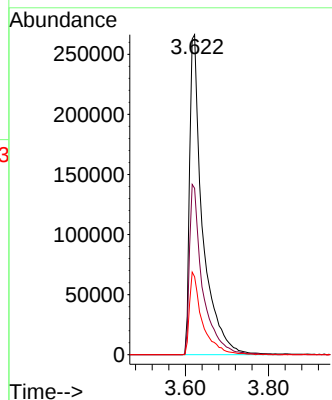
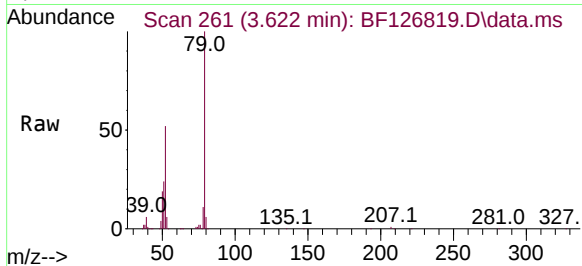




#3  
Pyridine  
Concen: 38.714 ng  
RT: 3.622 min Scan# 20  
Delta R.T. 0.065 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

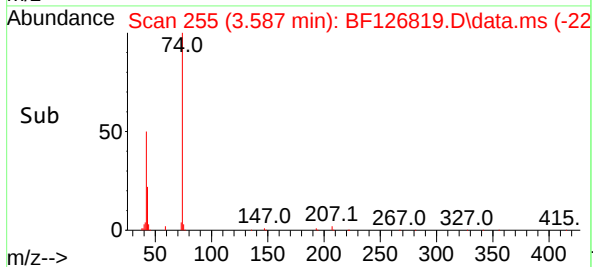
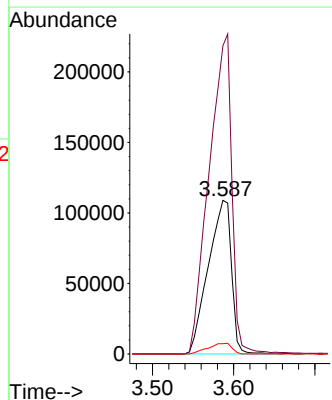
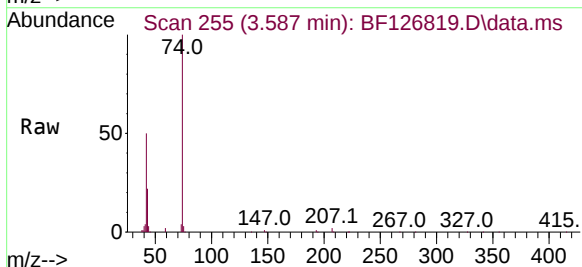
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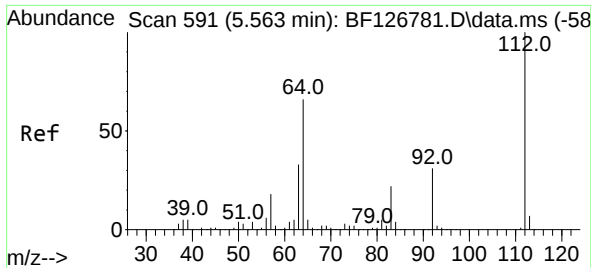
Tgt Ion: 79 Resp: 576246  
Ion Ratio Lower Upper  
79 100  
52 52.0 56.2 84.4#  
51 24.3 26.7 40.1#



#4  
n-Nitrosodimethylamine  
Concen: 47.006 ng  
RT: 3.587 min Scan# 255  
Delta R.T. 0.059 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

Tgt Ion: 42 Resp: 216117  
Ion Ratio Lower Upper  
42 100  
74 200.7 125.6 188.4#  
44 6.7 5.7 8.5

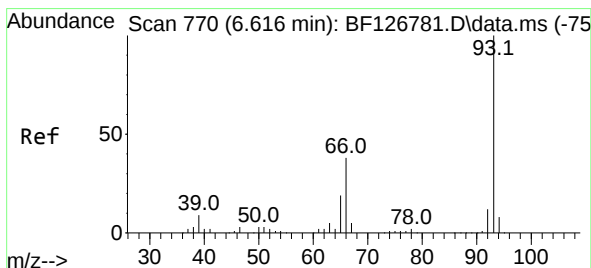
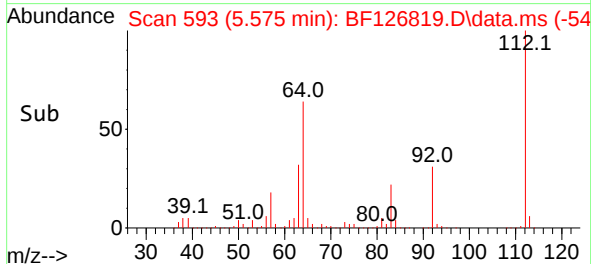
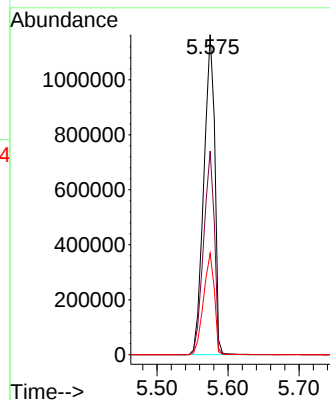
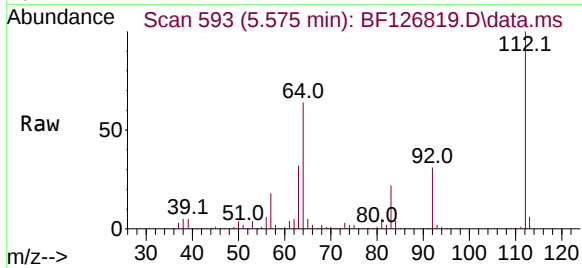




#5  
2-Fluorophenol  
Concen: 115.530 ng  
RT: 5.575 min Scan# 591  
Delta R.T. 0.012 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

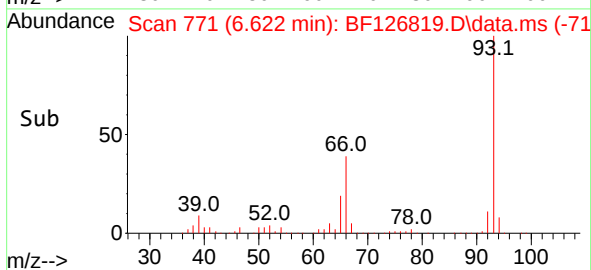
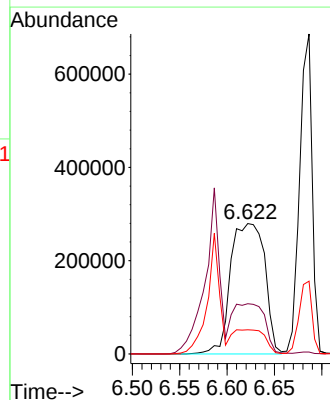
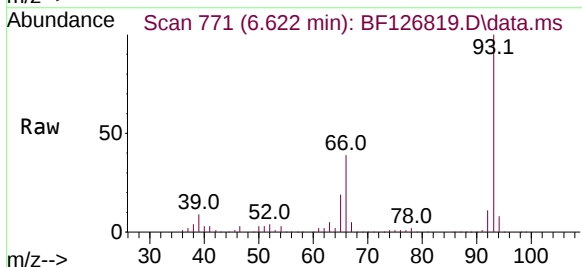
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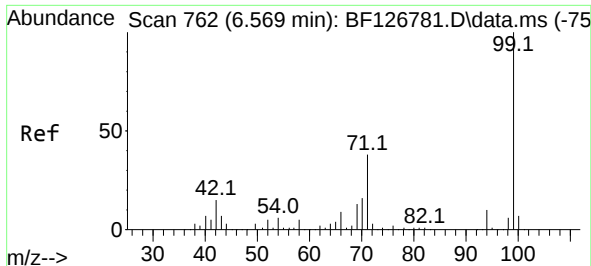
Tgt Ion:112 Resp: 1253119  
Ion Ratio Lower Upper  
112 100  
64 63.7 49.5 74.3  
63 31.6 23.9 35.9



#6  
Aniline  
Concen: 36.718 ng  
RT: 6.622 min Scan# 771  
Delta R.T. 0.006 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

Tgt Ion: 93 Resp: 702987  
Ion Ratio Lower Upper  
93 100  
66 38.6 32.2 48.4  
65 18.6 16.3 24.5

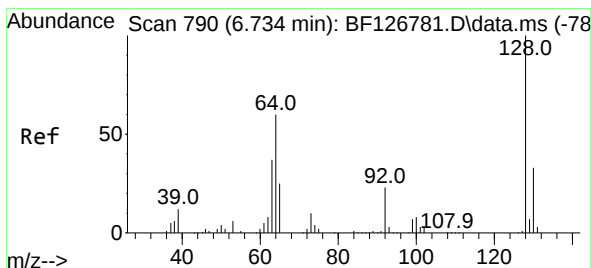
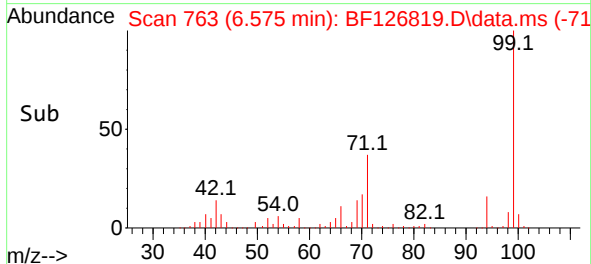
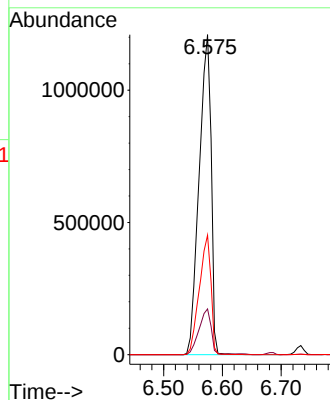
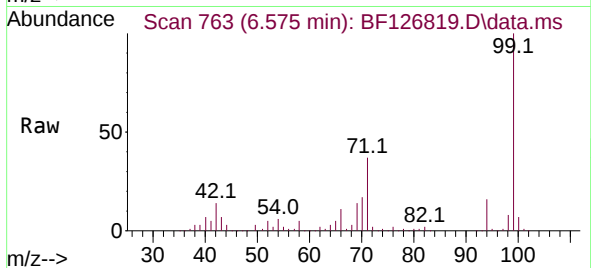




#7  
Phenol-d6  
Concen: 114.229 ng  
RT: 6.575 min Scan# 763  
Delta R.T. 0.006 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

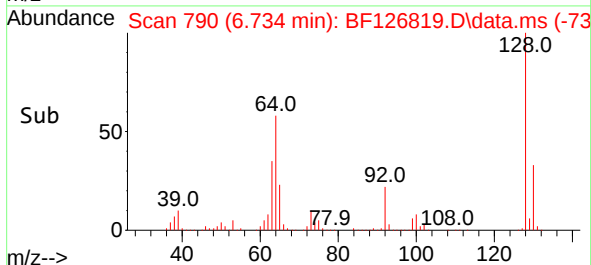
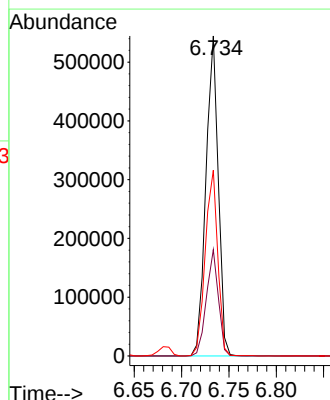
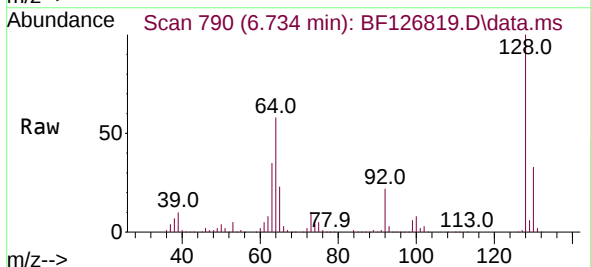
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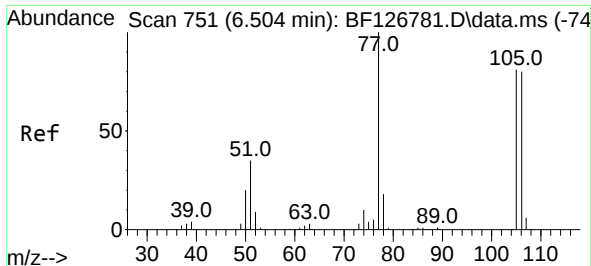
Tgt Ion: 99 Resp: 1713869  
Ion Ratio Lower Upper  
99 100  
42 14.3 14.2 21.4  
71 37.3 24.3 36.5#



#8  
2-Chlorophenol  
Concen: 49.536 ng  
RT: 6.734 min Scan# 790  
Delta R.T. -0.000 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

Tgt Ion:128 Resp: 491299  
Ion Ratio Lower Upper  
128 100  
130 33.2 12.7 52.7  
64 58.1 35.6 75.6

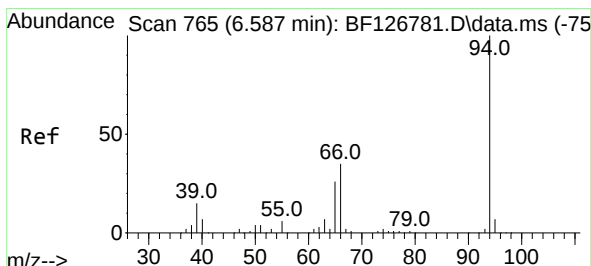
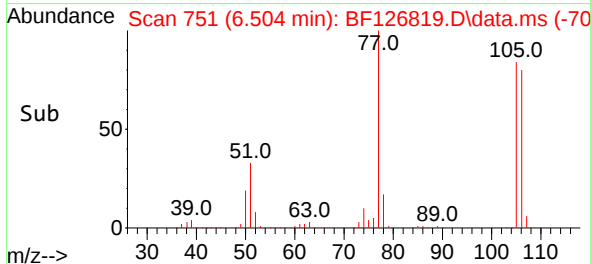
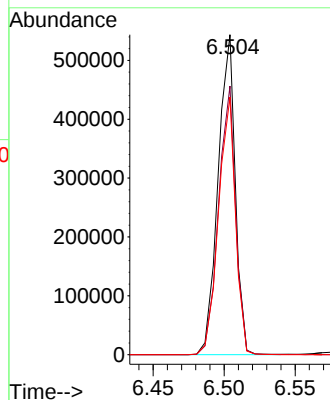
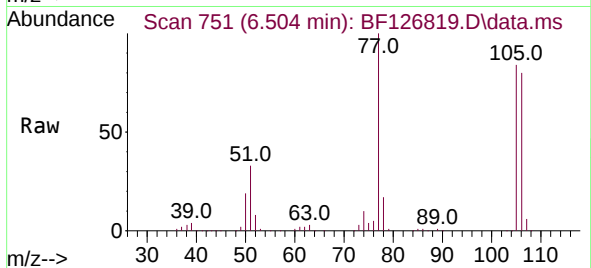




#9  
Benzaldehyde  
Concen: 48.290 ng  
RT: 6.504 min Scan# 751  
Delta R.T. -0.000 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

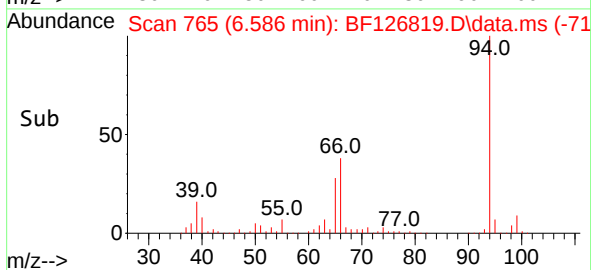
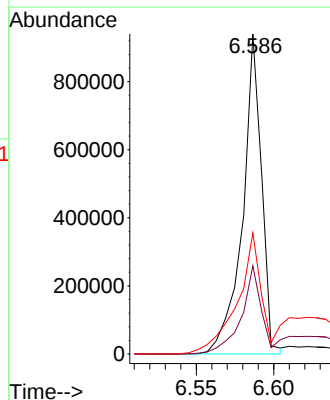
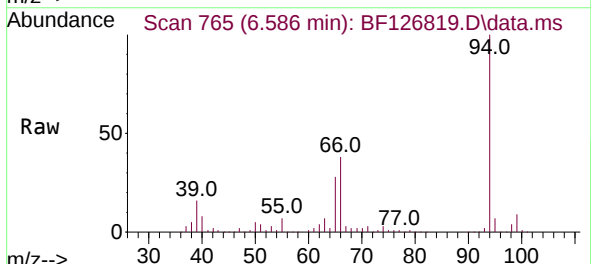
Instrument :  
BNA\_F  
ClientSampleId :  
DB-09(25-30)-02-02-22MSD

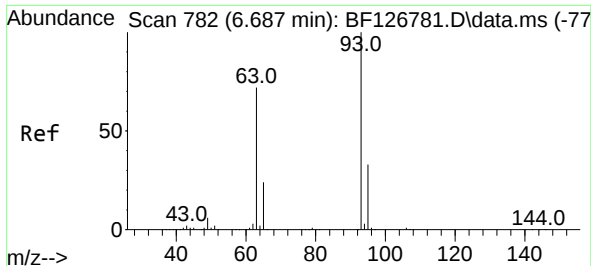
Tgt Ion: 77 Resp: 455829  
Ion Ratio Lower Upper  
77 100  
105 84.0 74.9 114.9  
106 80.5 72.4 112.4



#10  
Phenol  
Concen: 49.437 ng  
RT: 6.586 min Scan# 765  
Delta R.T. -0.000 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

Tgt Ion: 94 Resp: 793929  
Ion Ratio Lower Upper  
94 100  
65 27.5 7.2 47.2  
66 37.9 14.5 54.5

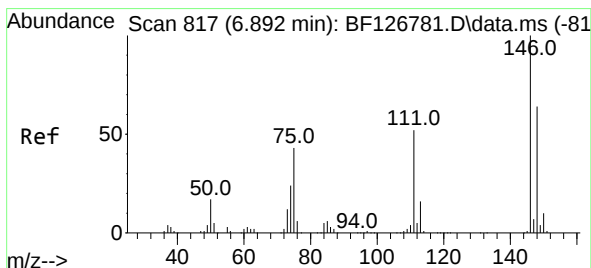
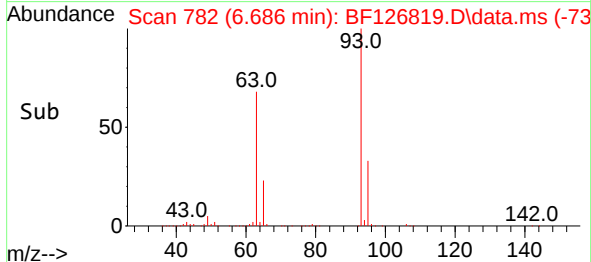
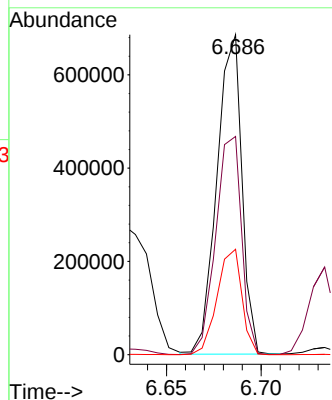
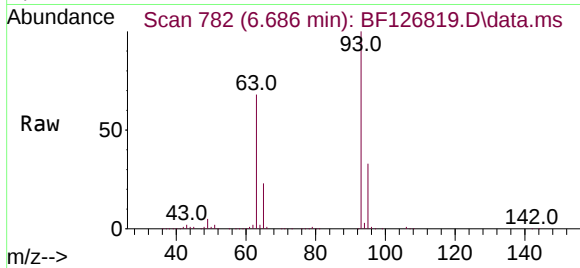




#11  
bis(2-Chloroethyl)ether  
Concen: 48.482 ng  
RT: 6.686 min Scan# 782  
Delta R.T. -0.000 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

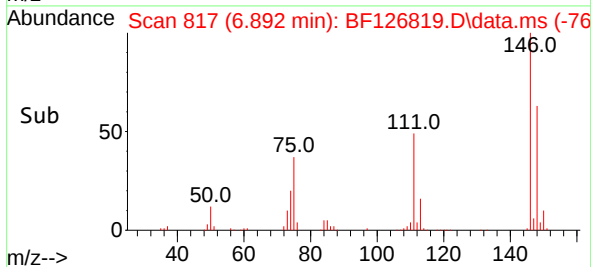
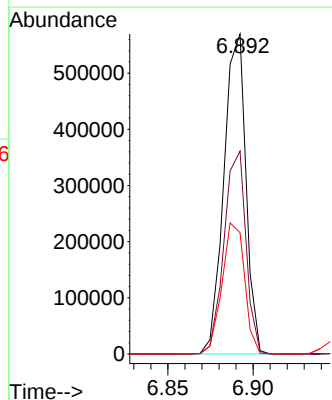
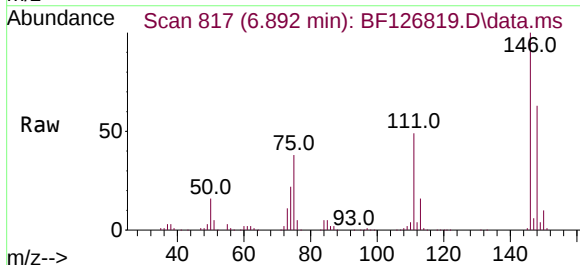
Instrument :  
BNA\_F  
ClientSampleId :  
DB-09(25-30)-02-02-22MSD

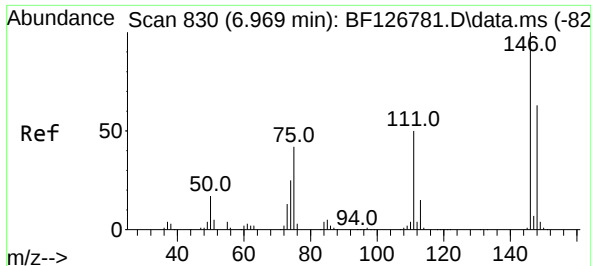
Tgt Ion: 93 Resp: 627258  
Ion Ratio Lower Upper  
93 100  
63 68.2 60.5 100.5  
95 32.9 12.9 52.9



#12  
1,3-Dichlorobenzene  
Concen: 45.978 ng  
RT: 6.892 min Scan# 817  
Delta R.T. -0.000 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

Tgt Ion: 146 Resp: 513473  
Ion Ratio Lower Upper  
146 100  
148 63.4 50.9 76.3  
75 37.9 28.4 42.6

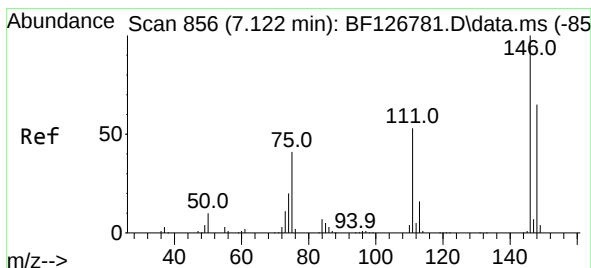
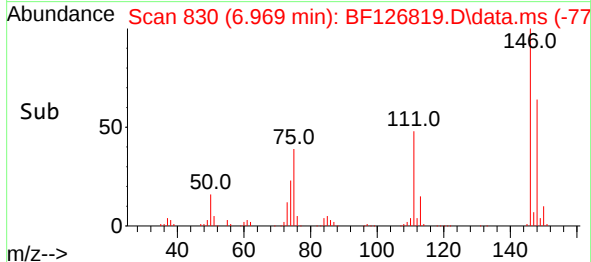
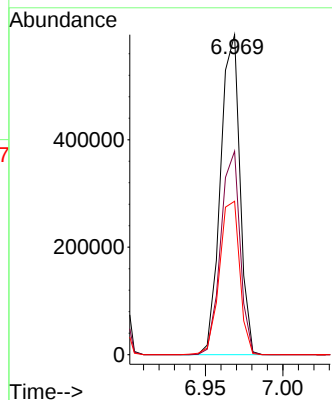
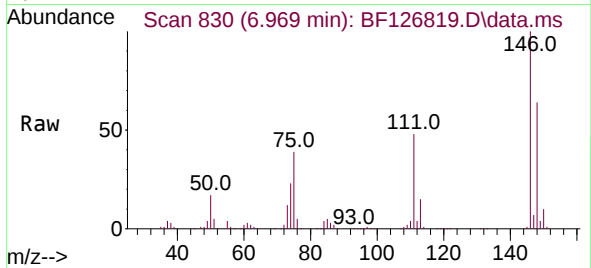




#13  
1,4-Dichlorobenzene  
Concen: 46.021 ng  
RT: 6.969 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

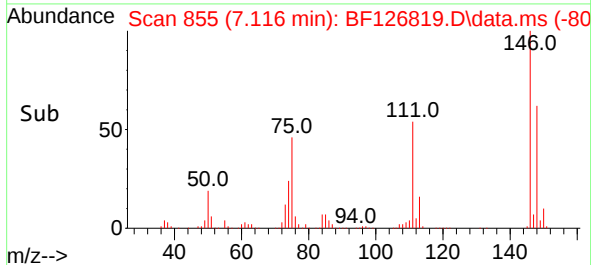
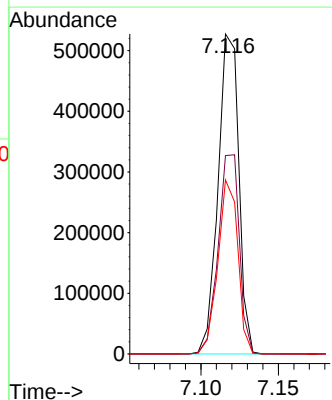
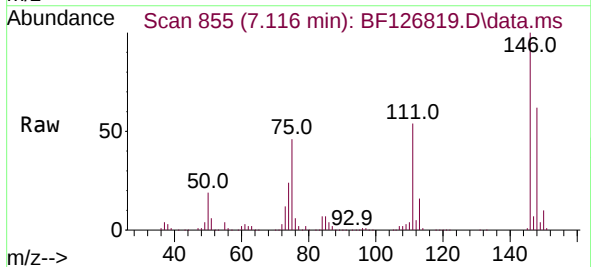
Instrument :  
BNA\_F  
ClientSampleId :  
DB-09(25-30)-02-02-22MSD

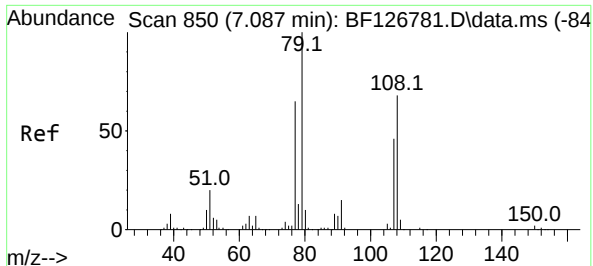
Tgt Ion:146 Resp: 519459  
Ion Ratio Lower Upper  
146 100  
148 63.6 49.8 74.6  
111 47.9 36.1 54.1



#14  
1,2-Dichlorobenzene  
Concen: 44.860 ng  
RT: 7.116 min Scan# 855  
Delta R.T. -0.006 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

Tgt Ion:146 Resp: 492068  
Ion Ratio Lower Upper  
146 100  
148 62.0 51.6 77.4  
111 54.4 40.2 60.2

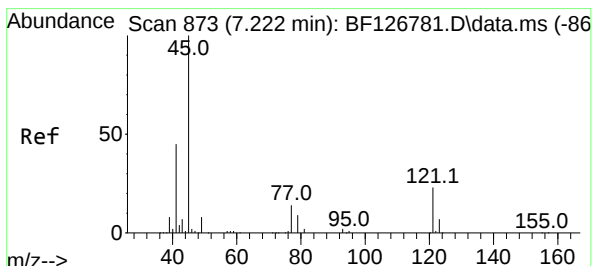
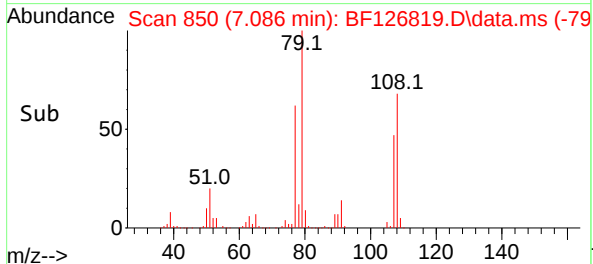
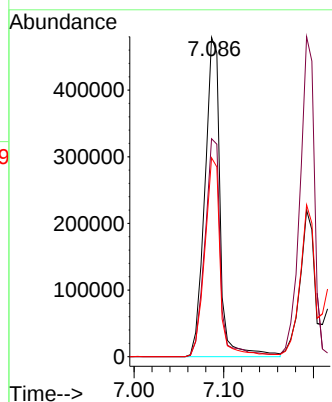
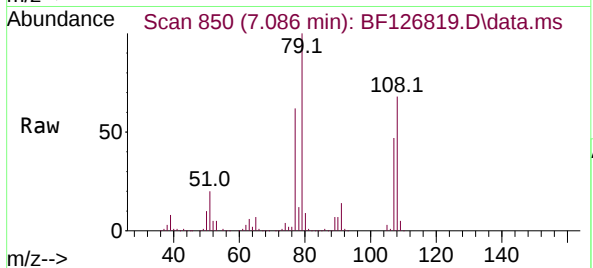




#15  
Benzyl Alcohol  
Concen: 47.354 ng  
RT: 7.086 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

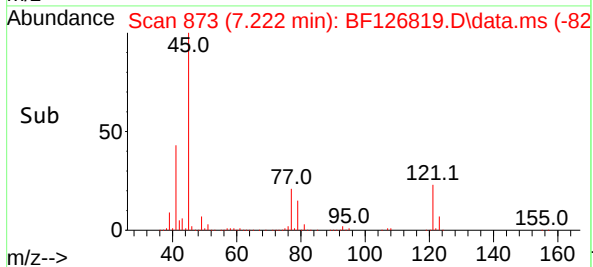
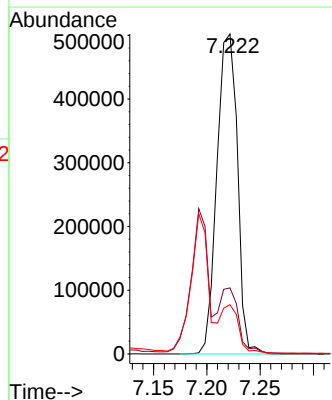
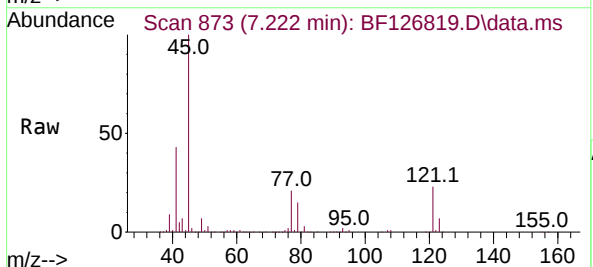
Instrument :  
BNA\_F  
ClientSampleId :  
DB-09(25-30)-02-02-22MSD

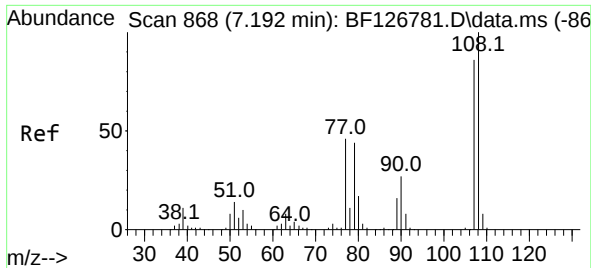
Tgt Ion: 79 Resp: 567668  
Ion Ratio Lower Upper  
79 100  
108 68.3 63.2 94.8  
77 62.3 49.4 74.2



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 48.117 ng  
RT: 7.222 min Scan# 873  
Delta R.T. -0.000 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

Tgt Ion: 45 Resp: 670669  
Ion Ratio Lower Upper  
45 100  
77 20.6 0.0 32.4  
79 15.4 0.0 29.8

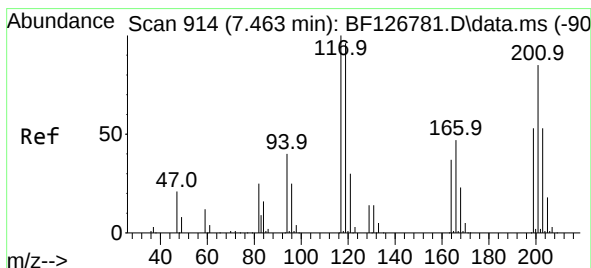
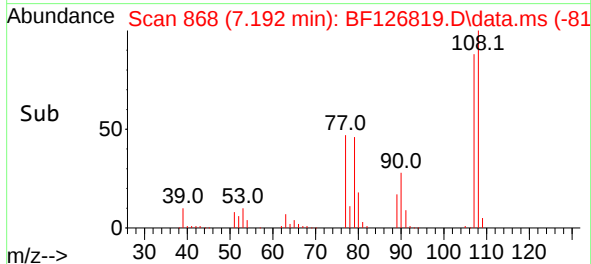
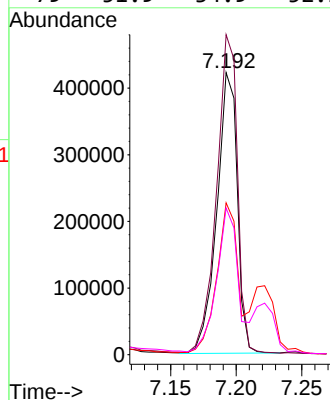
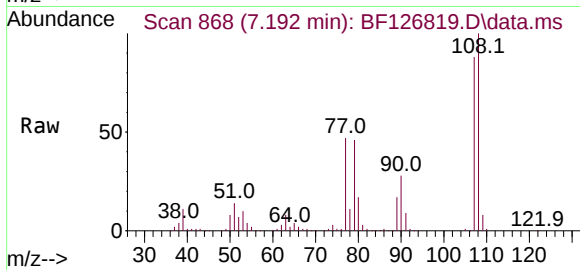




#17  
2-Methylphenol  
Concen: 46.790 ng  
RT: 7.192 min Scan# 868  
Delta R.T. -0.000 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

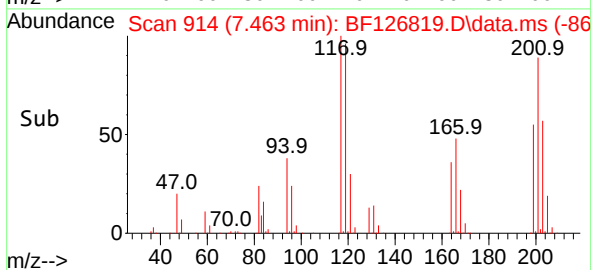
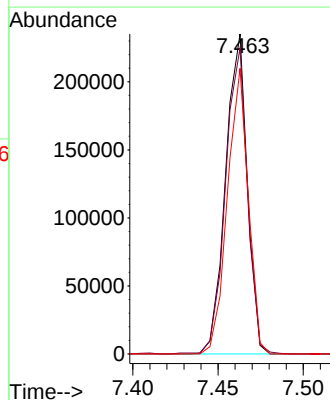
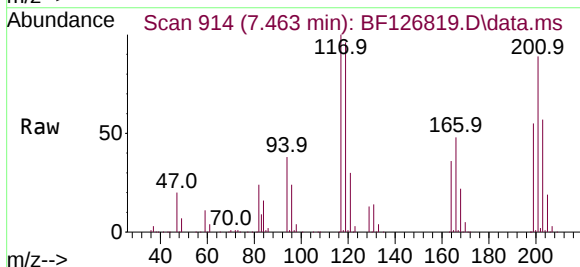
Instrument :  
BNA\_F  
ClientSampleId :  
DB-09(25-30)-02-02-22MSD

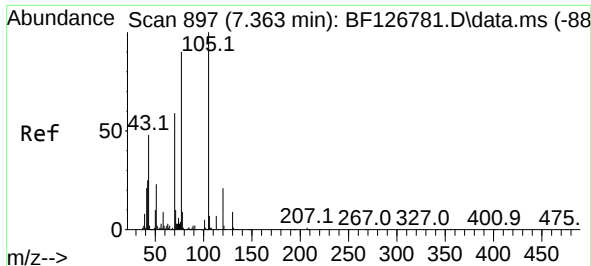
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 456352 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 113.4 | 93.4  | 140.0  |
| 77       | 53.8  | 36.1  | 54.1   |
| 79       | 51.9  | 34.9  | 52.3   |



#18  
Hexachloroethane  
Concen: 46.938 ng  
RT: 7.463 min Scan# 914  
Delta R.T. -0.000 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 207544 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 95.7  | 75.4  | 113.0  |
| 201      | 89.3  | 56.8  | 85.2   |

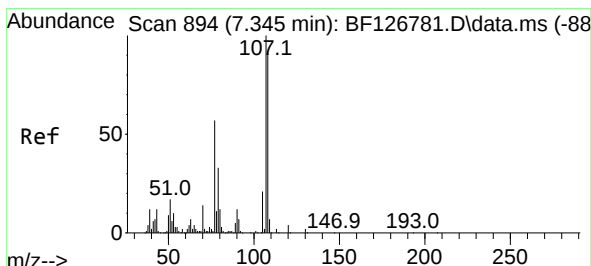
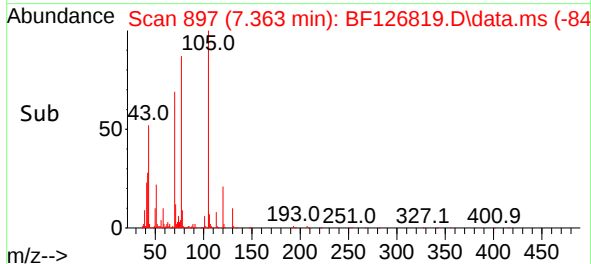
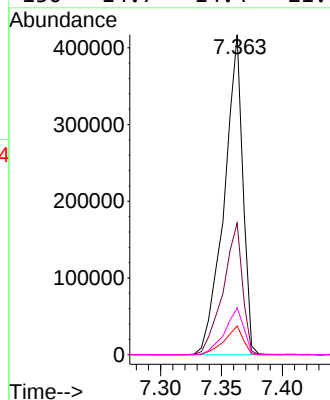
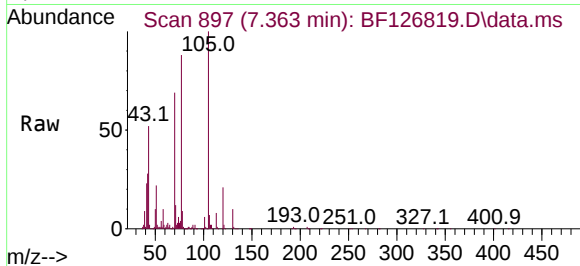




#19  
n-Nitroso-di-n-propylamine  
Concen: 45.094 ng  
RT: 7.363 min Scan# 897  
Delta R.T. -0.000 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

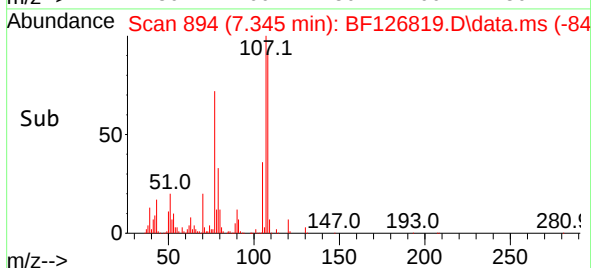
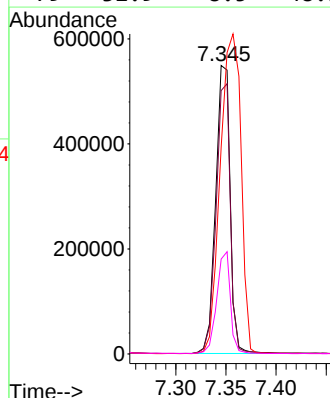
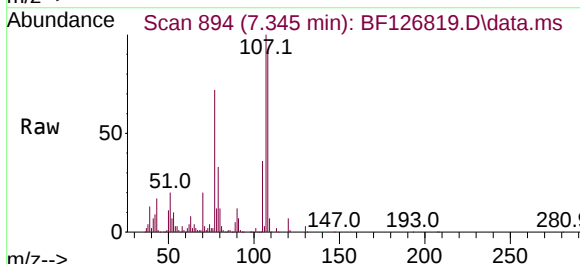
Instrument :  
BNA\_F  
ClientSampleId :  
DB-09(25-30)-02-02-22MSD

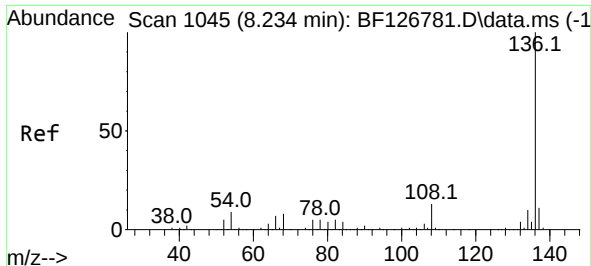
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 70    | Resp: | 445515 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 41.1  | 45.8  | 68.8#  |
| 101      | 9.0   | 6.9   | 10.3   |
| 130      | 14.7  | 14.4  | 21.6   |



#20  
3+4-Methylphenols  
Concen: 44.794 ng  
RT: 7.345 min Scan# 894  
Delta R.T. -0.000 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

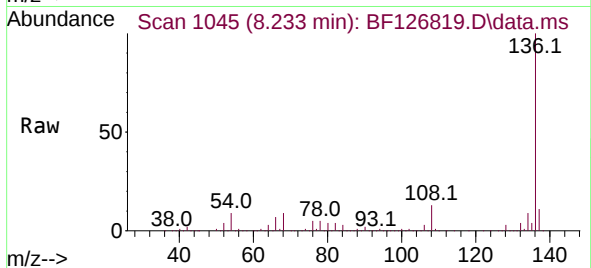
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 550244 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 91.3  | 72.4  | 112.4  |
| 77       | 71.7  | 83.8  | 123.8# |
| 79       | 32.9  | 8.5   | 48.5   |



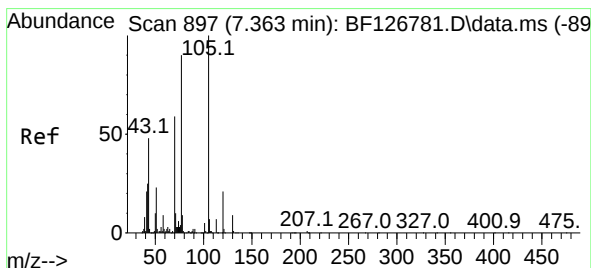
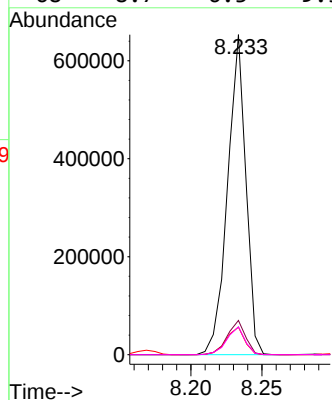
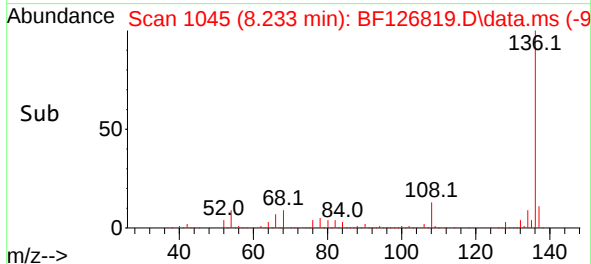


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.233 min Scan# 1045  
Delta R.T. -0.000 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

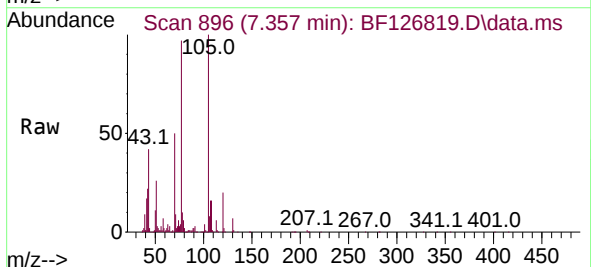
Instrument :  
BNA\_F  
ClientSampleId :  
DB-09(25-30)-02-02-22MSD



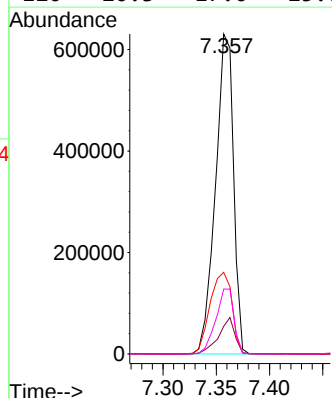
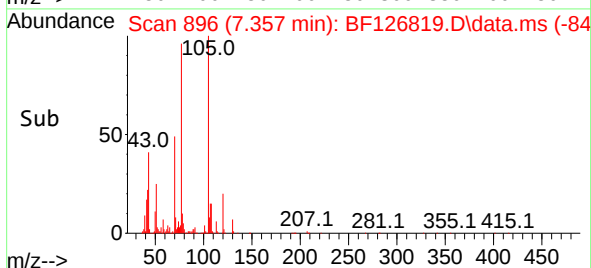
Tgt Ion:136 Resp: 582817  
Ion Ratio Lower Upper  
136 100  
137 10.7 8.6 13.0  
54 8.6 7.8 11.6  
68 8.7 6.3 9.5

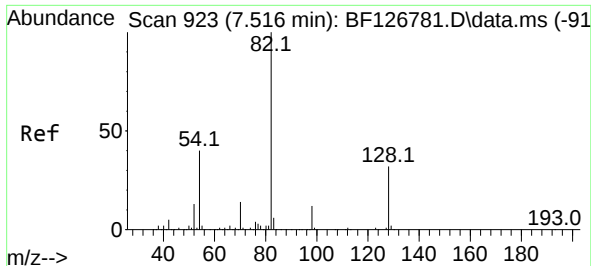


#22  
Acetophenone  
Concen: 43.972 ng  
RT: 7.357 min Scan# 896  
Delta R.T. -0.006 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59



Tgt Ion:105 Resp: 741574  
Ion Ratio Lower Upper  
105 100  
71 8.7 5.4 8.0#  
51 25.5 27.4 41.0#  
120 20.3 17.0 25.6

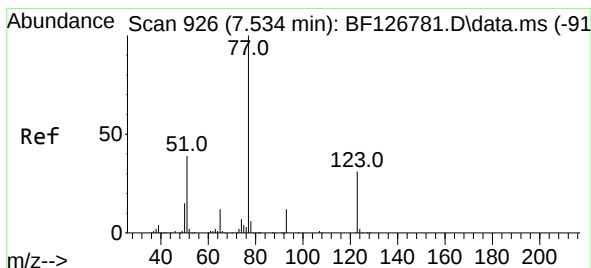
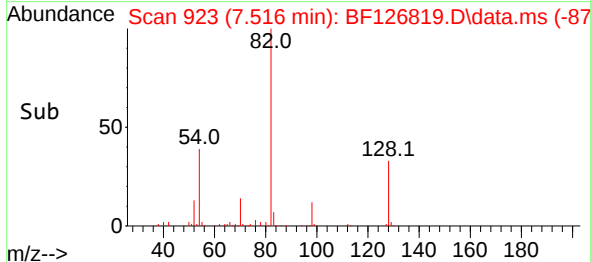
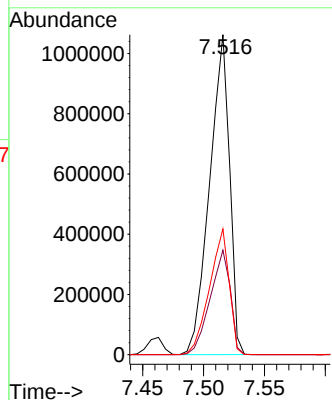
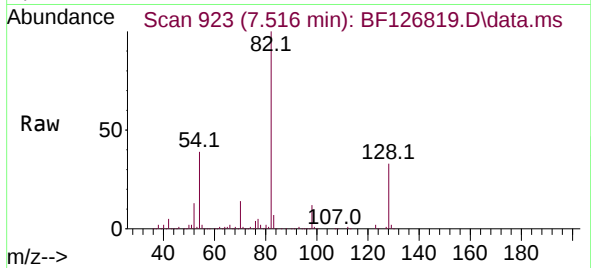




#23  
Nitrobenzene-d5  
Concen: 77.723 ng  
RT: 7.516 min Scan# 912  
Delta R.T. -0.000 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

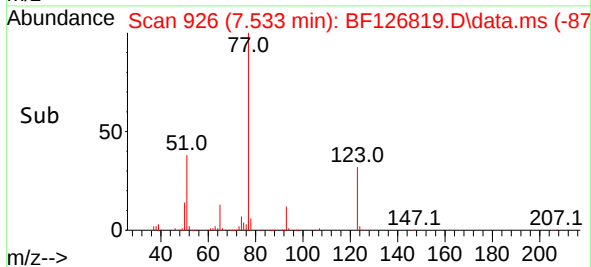
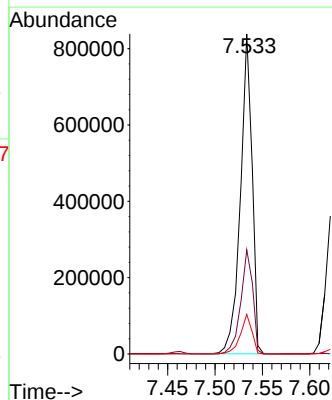
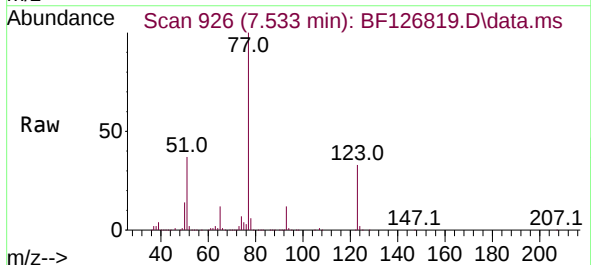
Instrument :  
BNA\_F  
ClientSampleId :  
DB-09(25-30)-02-02-22MSD

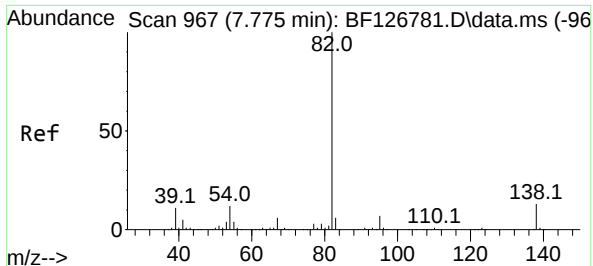
Tgt Ion: 82 Resp: 1210376  
Ion Ratio Lower Upper  
82 100  
128 32.7 32.7 49.1#  
54 39.3 41.7 62.5#



#24  
Nitrobenzene  
Concen: 46.452 ng  
RT: 7.533 min Scan# 926  
Delta R.T. -0.000 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

Tgt Ion: 77 Resp: 718085  
Ion Ratio Lower Upper  
77 100  
123 32.6 34.6 52.0#  
65 12.4 10.6 15.8

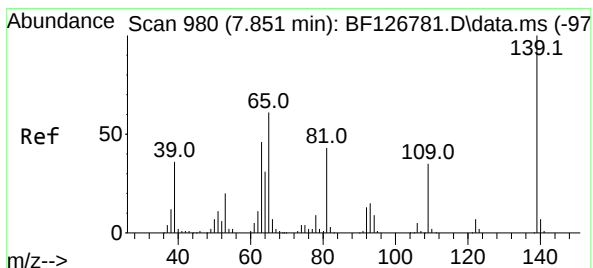
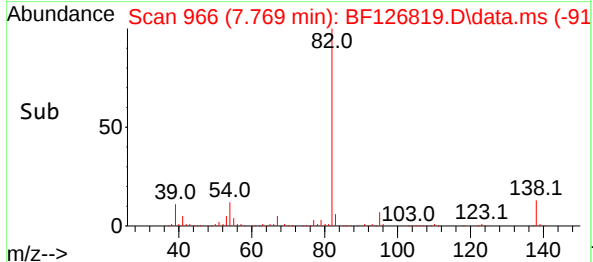
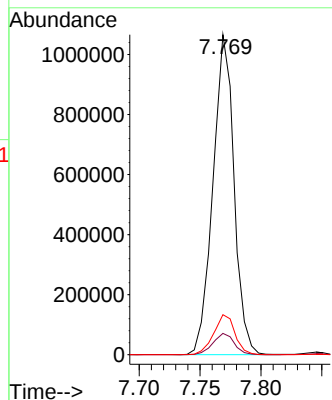
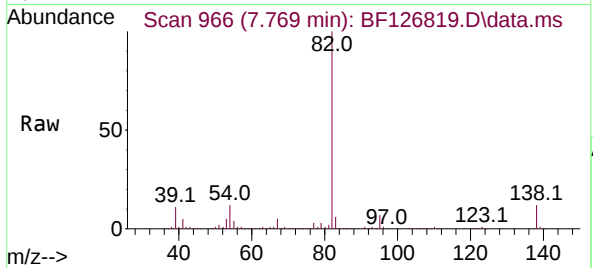




#25  
Isophorone  
Concen: 47.955 ng  
RT: 7.769 min Scan# 910  
Delta R.T. -0.006 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

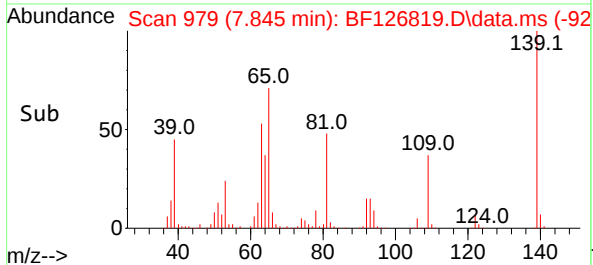
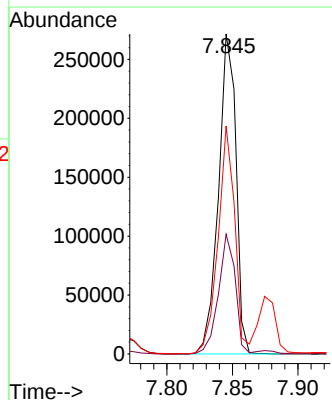
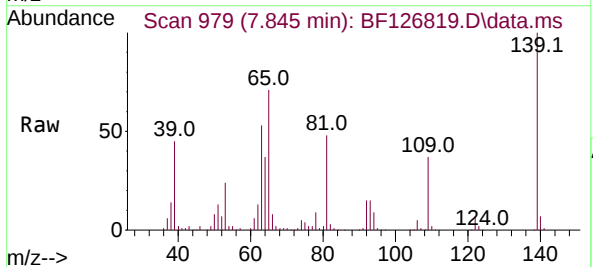
Instrument :  
BNA\_F  
ClientSampleId :  
DB-09(25-30)-02-02-22MSD

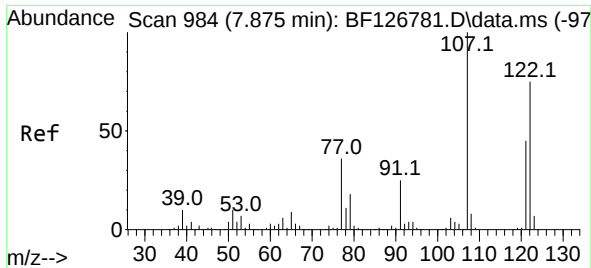
Tgt Ion: 82 Resp: 1281668  
Ion Ratio Lower Upper  
82 100  
95 6.6 5.0 7.4  
138 12.5 12.3 18.5



#26  
2-Nitrophenol  
Concen: 48.802 ng  
RT: 7.845 min Scan# 979  
Delta R.T. -0.006 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

Tgt Ion:139 Resp: 251432  
Ion Ratio Lower Upper  
139 100  
109 37.4 20.0 30.0#  
65 71.2 40.8 61.2#

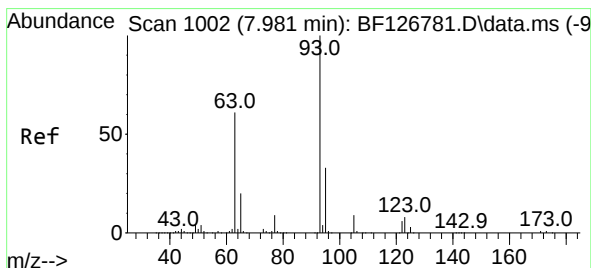
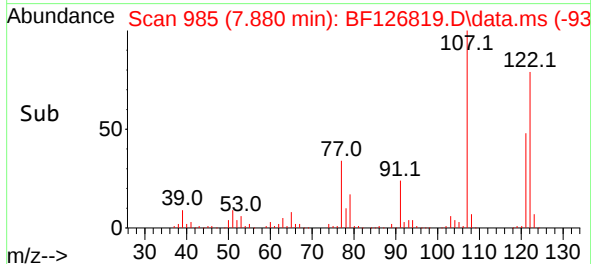
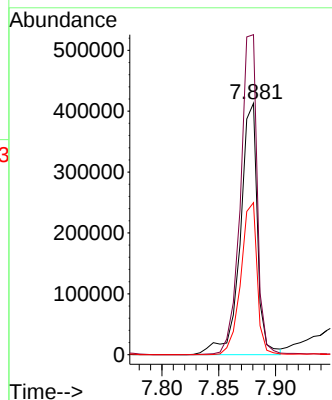
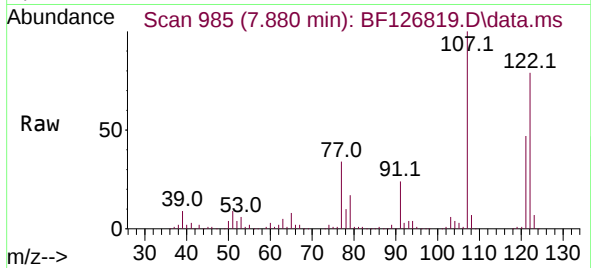




#27  
2,4-Dimethylphenol  
Concen: 48.551 ng  
RT: 7.880 min Scan# 984  
Delta R.T. 0.006 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

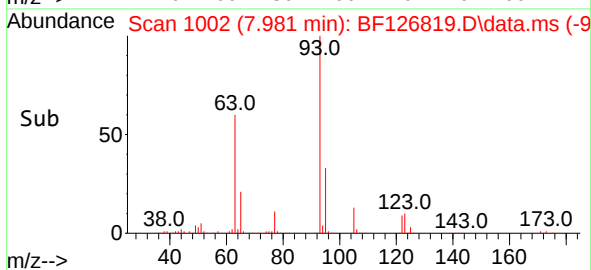
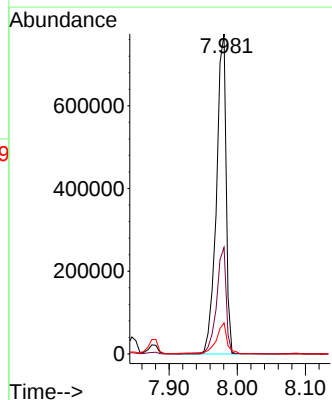
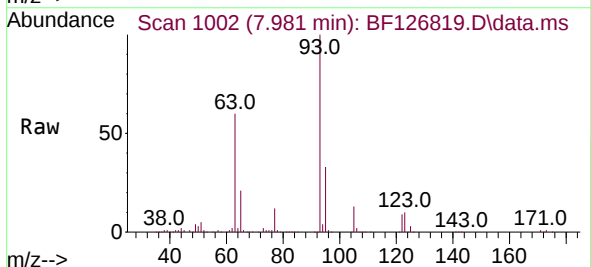
Instrument :  
BNA\_F  
ClientSampleId :  
DB-09(25-30)-02-02-22MSD

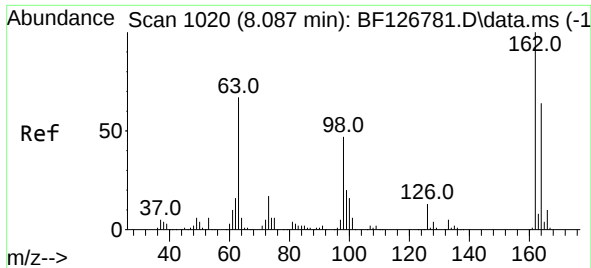
Tgt Ion:122 Resp: 436887  
Ion Ratio Lower Upper  
122 100  
107 127.3 91.2 136.8  
121 60.5 44.4 66.6



#28  
bis(2-Chloroethoxy)methane  
Concen: 45.316 ng  
RT: 7.981 min Scan# 1002  
Delta R.T. -0.000 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

Tgt Ion: 93 Resp: 768126  
Ion Ratio Lower Upper  
93 100  
95 33.3 25.4 38.2  
123 9.7 8.9 13.3





#29

2,4-Dichlorophenol

Concen: 45.390 ng

RT: 8.086 min Scan# 1020

Delta R.T. -0.000 min

Lab File: BF126819.D

Acq: 04 Feb 2022 18:59

Instrument :

BNA\_F

ClientSampleId :

DB-09(25-30)-02-02-22MSD

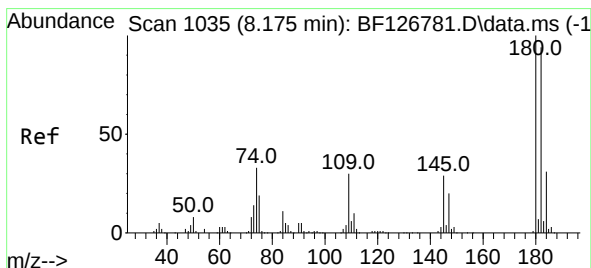
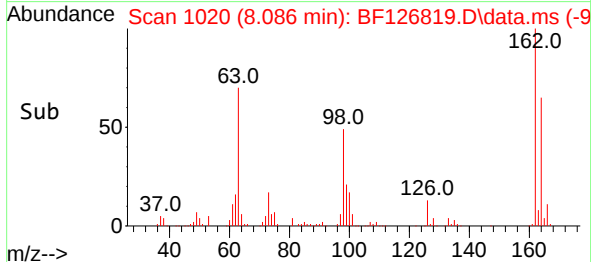
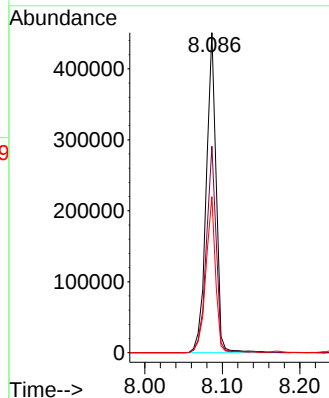
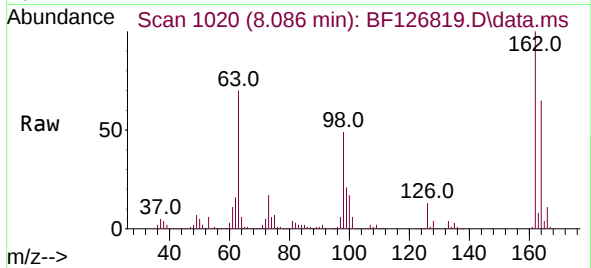
Tgt Ion:162 Resp: 402076

Ion Ratio Lower Upper

162 100

164 64.5 43.8 83.8

98 48.7 23.6 63.6



#30

1,2,4-Trichlorobenzene

Concen: 43.667 ng

RT: 8.169 min Scan# 1034

Delta R.T. -0.006 min

Lab File: BF126819.D

Acq: 04 Feb 2022 18:59

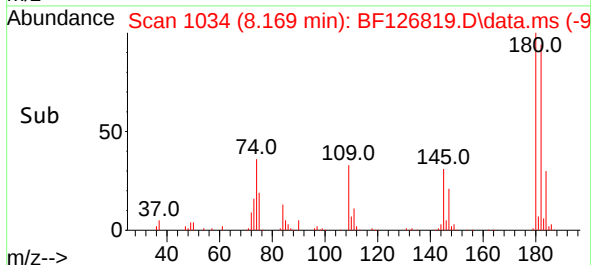
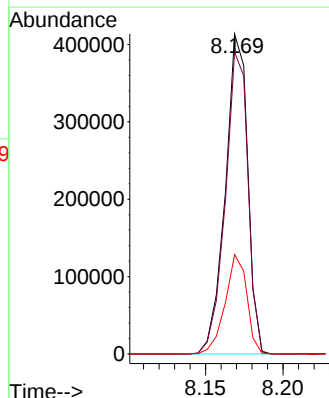
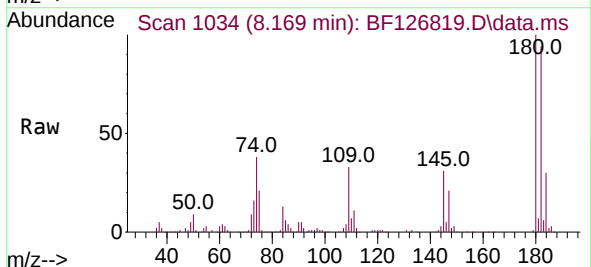
Tgt Ion:180 Resp: 415986

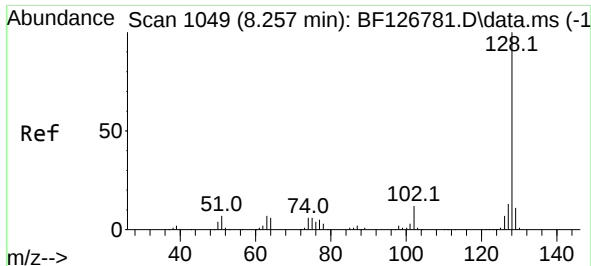
Ion Ratio Lower Upper

180 100

182 94.3 75.5 113.3

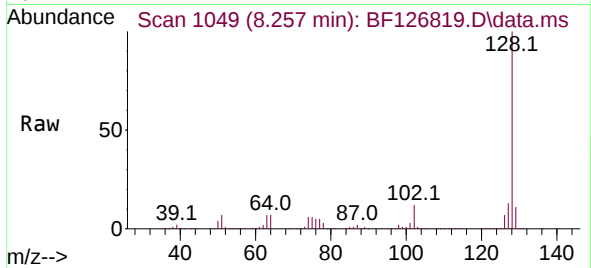
145 31.0 26.2 39.2



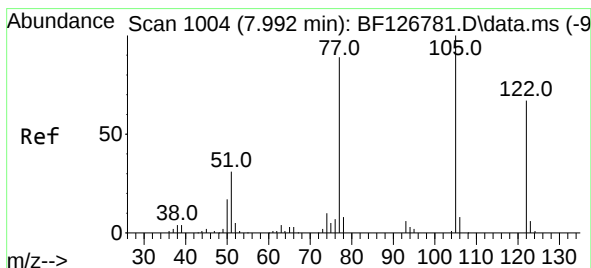
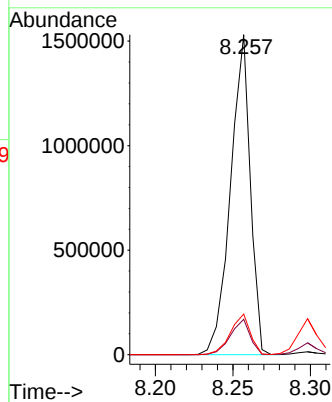
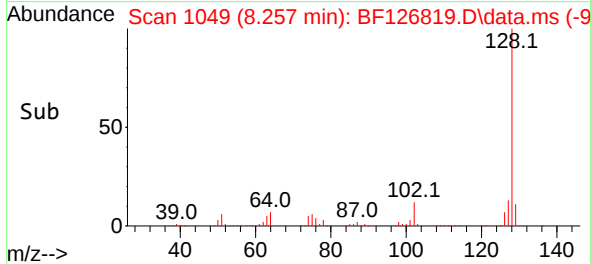


#31  
Naphthalene  
Concen: 44.548 ng  
RT: 8.257 min Scan# 1049  
Delta R.T. -0.000 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

Instrument :  
BNA\_F  
ClientSampleId :  
DB-09(25-30)-02-02-22MSD

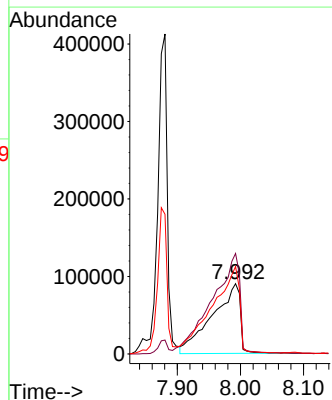
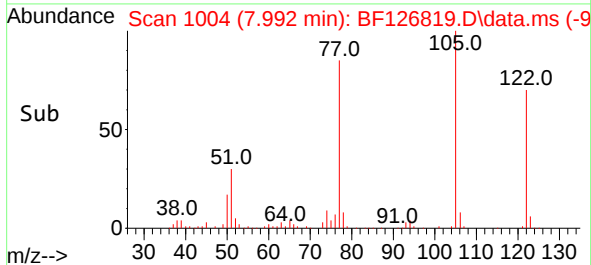
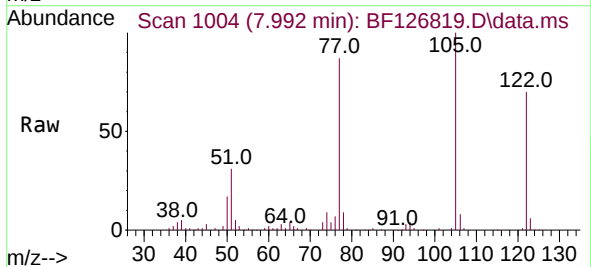


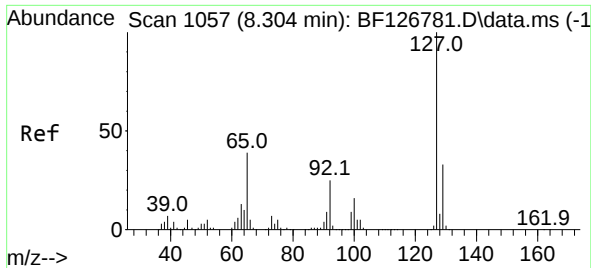
Tgt Ion:128 Resp: 1357046  
Ion Ratio Lower Upper  
128 100  
129 11.0 8.6 13.0  
127 12.7 10.3 15.5



#32  
Benzoic acid  
Concen: 39.490 ng  
RT: 7.992 min Scan# 1004  
Delta R.T. -0.000 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

Tgt Ion:122 Resp: 274229  
Ion Ratio Lower Upper  
122 100  
105 142.9 101.0 141.0#  
77 124.4 74.5 114.5#

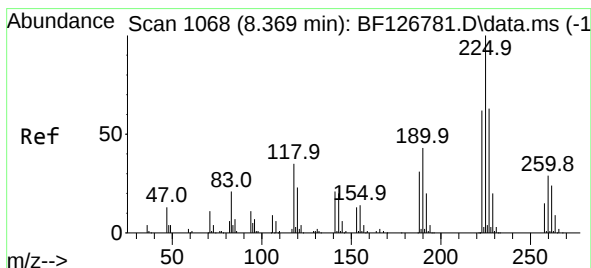
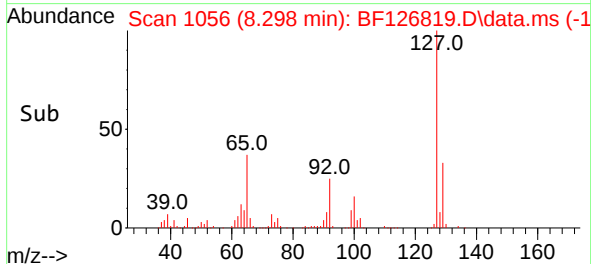
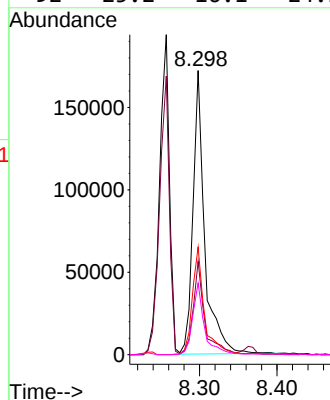
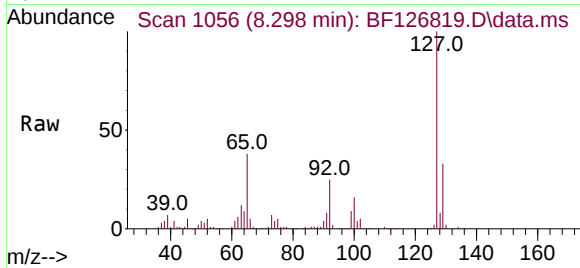




#33  
4-Chloroaniline  
Concen: 14.705 ng  
RT: 8.298 min Scan# 1056  
Delta R.T. -0.006 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

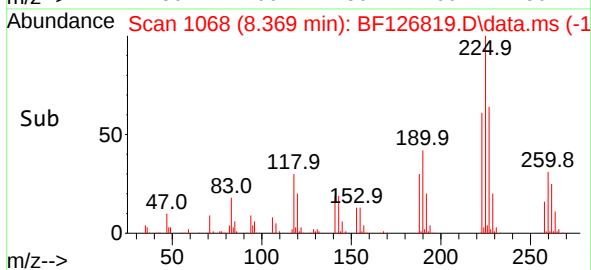
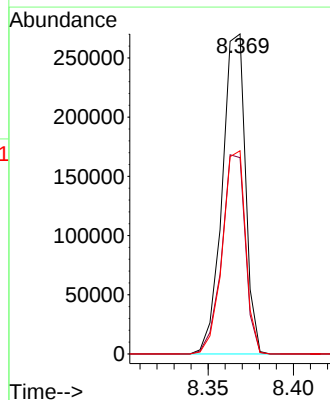
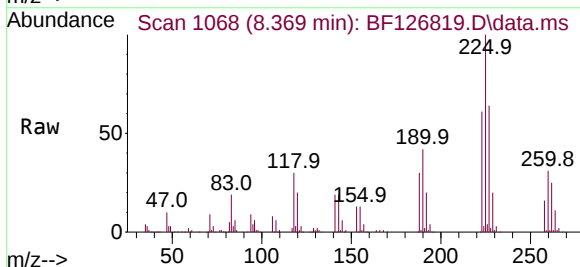
Instrument :  
BNA\_F  
ClientSampleId :  
DB-09(25-30)-02-02-22MSD

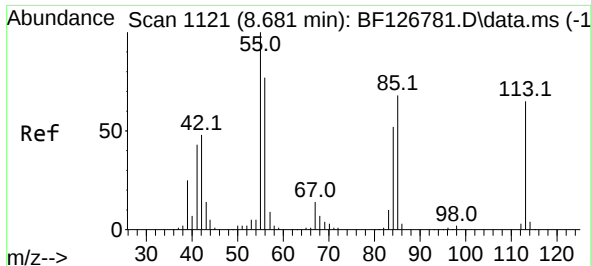
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 180990 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.8  | 26.5  | 39.7   |
| 65       | 37.8  | 26.6  | 39.8   |
| 92       | 25.2  | 16.1  | 24.1   |



#34  
Hexachlorobutadiene  
Concen: 42.890 ng  
RT: 8.369 min Scan# 1068  
Delta R.T. -0.000 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 256100 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 61.4  | 48.6  | 73.0   |
| 227      | 63.5  | 51.4  | 77.0   |

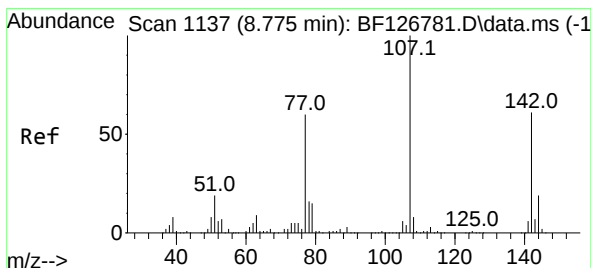
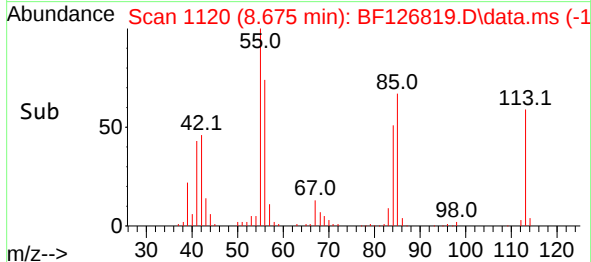
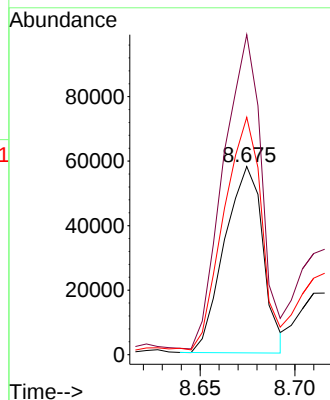
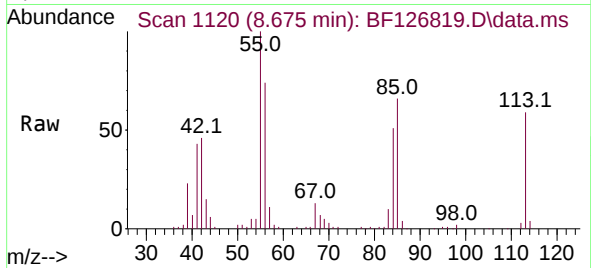




#35  
Caprolactam  
Concen: 25.428 ng  
RT: 8.675 min Scan# 1121  
Delta R.T. -0.006 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

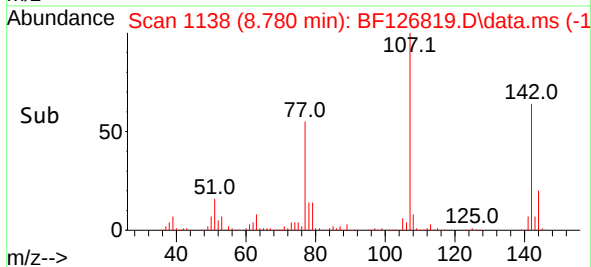
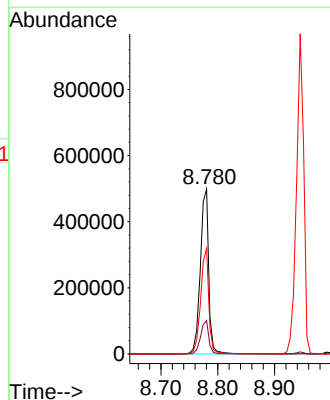
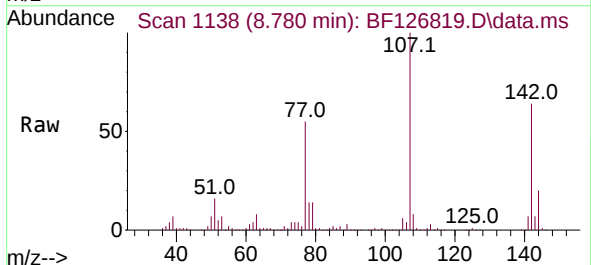
Instrument :  
BNA\_F  
ClientSampleId :  
DB-09(25-30)-02-02-22MSD

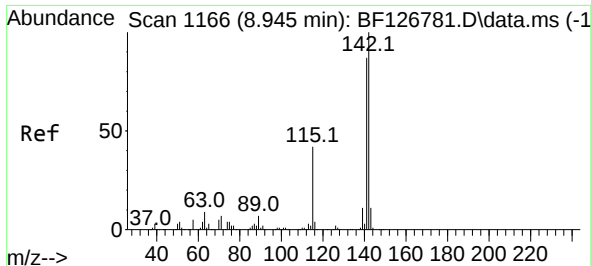
Tgt Ion:113 Resp: 81961  
Ion Ratio Lower Upper  
113 100  
55 170.1 183.9 223.9#  
56 126.2 129.9 169.9#



#36  
4-Chloro-3-methylphenol  
Concen: 45.623 ng  
RT: 8.780 min Scan# 1138  
Delta R.T. 0.006 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

Tgt Ion:107 Resp: 515140  
Ion Ratio Lower Upper  
107 100  
144 20.3 18.5 27.7  
142 63.9 58.1 87.1





#37

2-Methylnaphthalene

Concen: 45.770 ng

RT: 8.945 min Scan# 1166

Delta R.T. -0.000 min

Lab File: BF126819.D

Acq: 04 Feb 2022 18:59

Instrument :

BNA\_F

ClientSampleId :

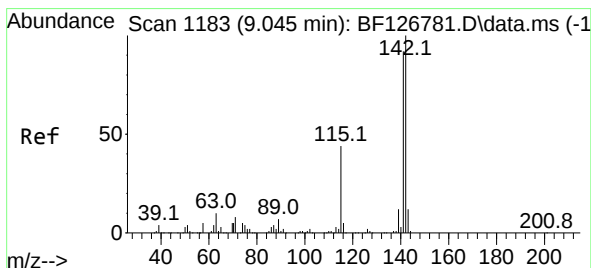
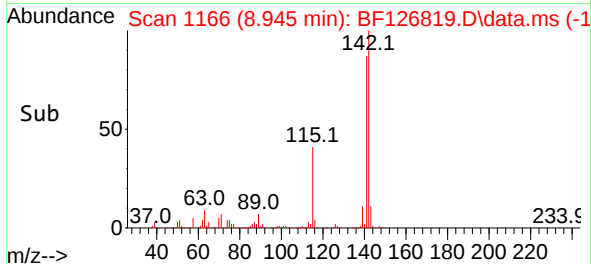
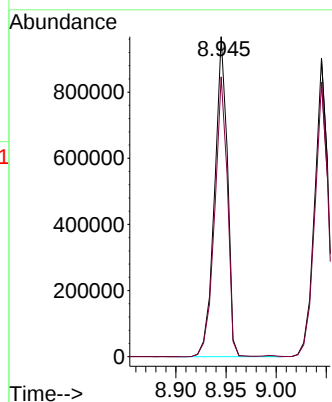
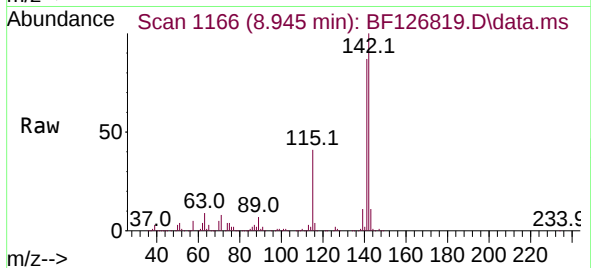
DB-09(25-30)-02-02-22MSD

Tgt Ion:142 Resp: 859141

Ion Ratio Lower Upper

142 100

141 87.4 68.6 102.8



#38

1-Methylnaphthalene

Concen: 44.671 ng

RT: 9.045 min Scan# 1183

Delta R.T. -0.000 min

Lab File: BF126819.D

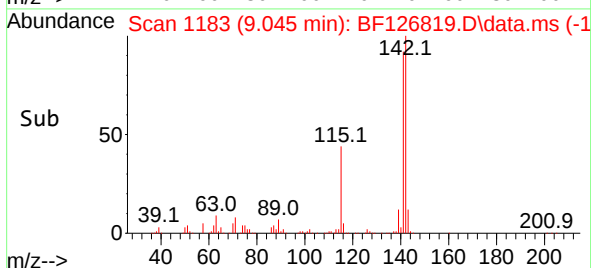
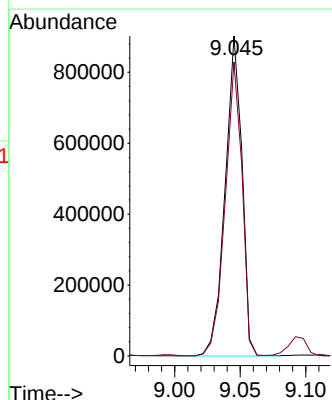
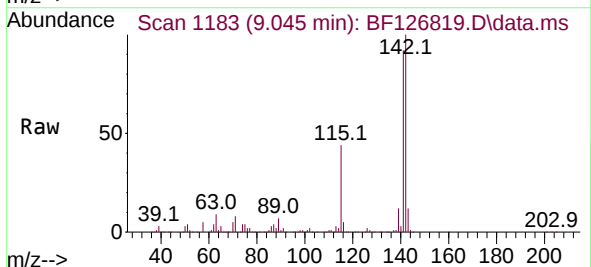
Acq: 04 Feb 2022 18:59

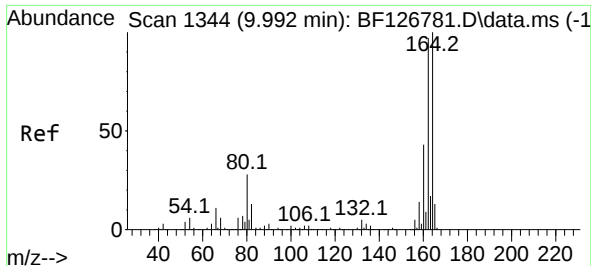
Tgt Ion:142 Resp: 807150

Ion Ratio Lower Upper

142 100

141 91.9 72.1 108.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.992 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF126819.D

Acq: 04 Feb 2022 18:59

Instrument :

BNA\_F

ClientSampleId :

DB-09(25-30)-02-02-22MSD

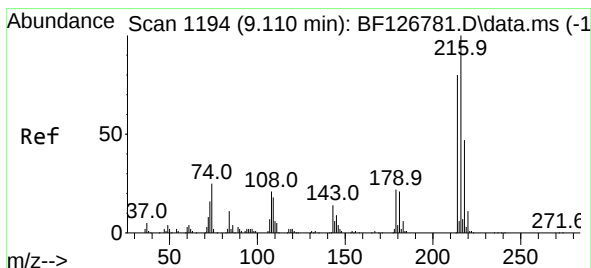
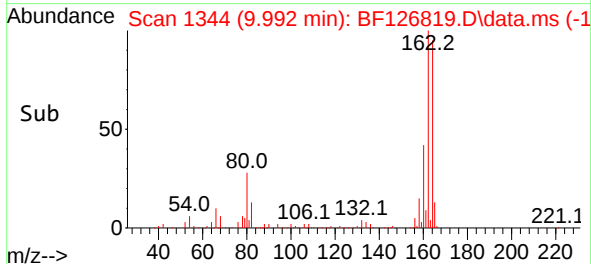
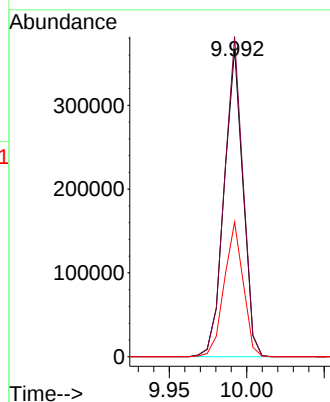
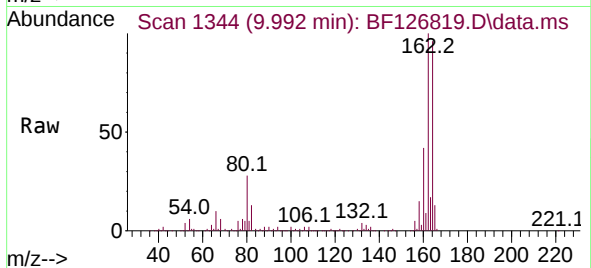
Tgt Ion:164 Resp: 311087

Ion Ratio Lower Upper

164 100

162 103.9 81.4 122.0

160 43.8 36.6 54.8



#40

1,2,4,5-Tetrachlorobenzene

Concen: 44.851 ng

RT: 9.110 min Scan# 1194

Delta R.T. -0.000 min

Lab File: BF126819.D

Acq: 04 Feb 2022 18:59

Tgt Ion:216 Resp: 401726

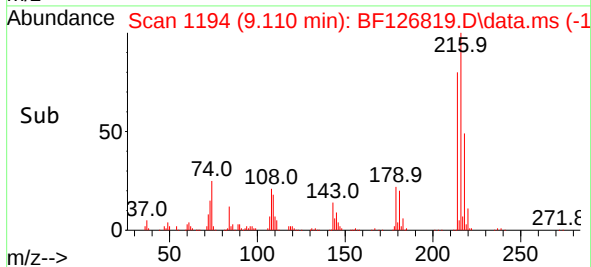
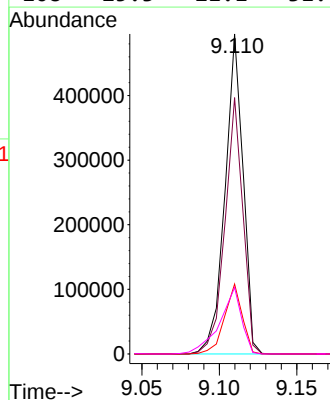
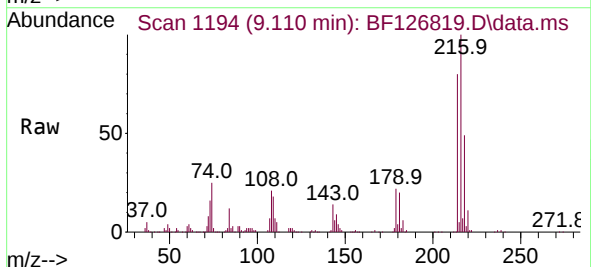
Ion Ratio Lower Upper

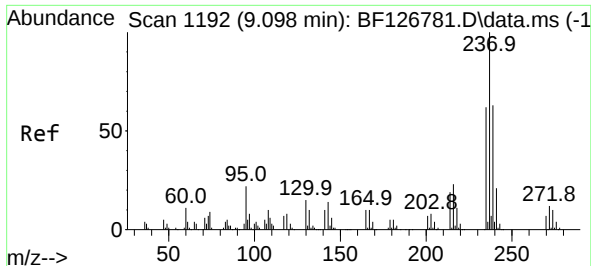
216 100

214 79.1 64.6 96.8

179 21.6 19.5 29.3

108 25.3 21.1 31.7

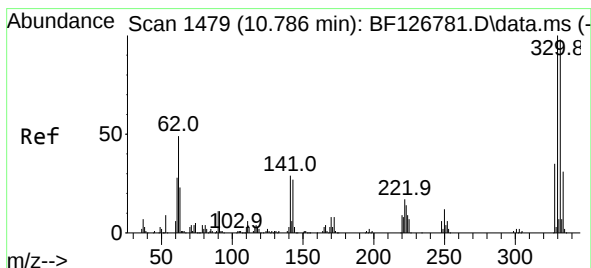
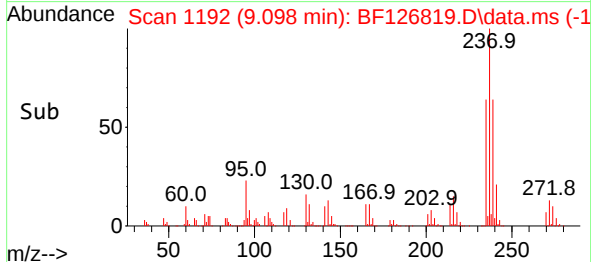
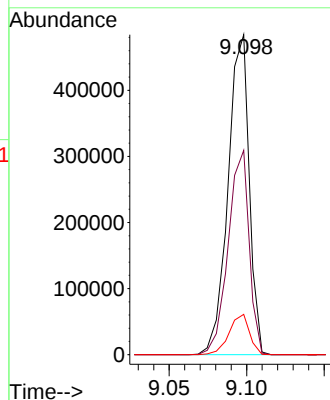
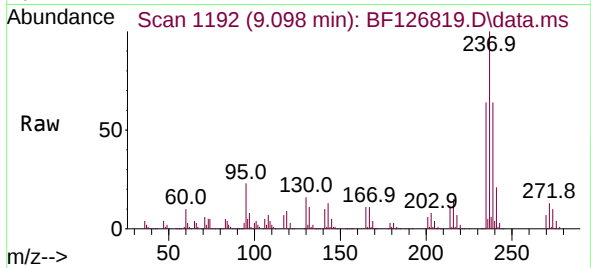




#41  
Hexachlorocyclopentadiene  
Concen: 89.028 ng  
RT: 9.098 min Scan# 1192  
Delta R.T. -0.000 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

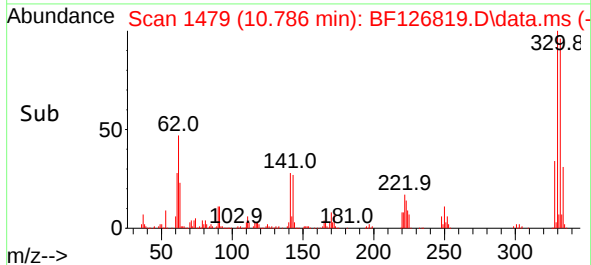
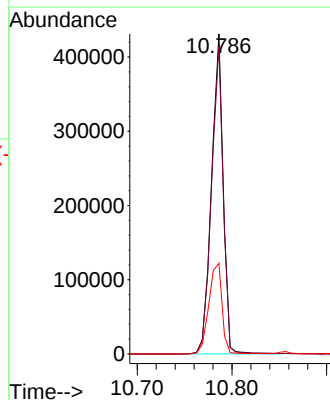
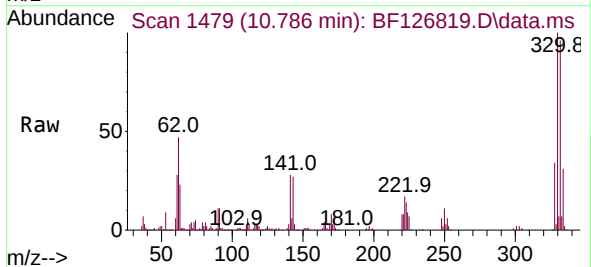
Instrument :  
BNA\_F  
ClientSampleId :  
DB-09(25-30)-02-02-22MSD

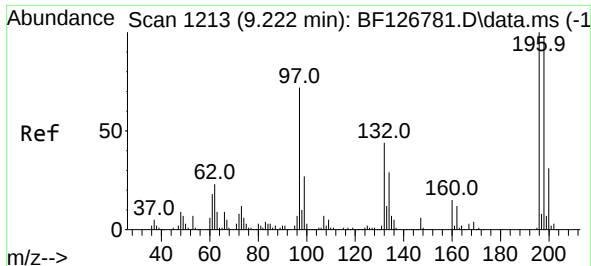
Tgt Ion:237 Resp: 459635  
Ion Ratio Lower Upper  
237 100  
235 63.8 38.9 78.9  
272 12.6 0.0 33.5



#42  
2,4,6-Tribromophenol  
Concen: 114.283 ng  
RT: 10.786 min Scan# 1479  
Delta R.T. -0.000 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

Tgt Ion:330 Resp: 368971  
Ion Ratio Lower Upper  
330 100  
332 96.5 76.0 114.0  
141 32.2 30.1 45.1





#43

2,4,6-Trichlorophenol

Concen: 45.193 ng

RT: 9.222 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF126819.D

Acq: 04 Feb 2022 18:59

Instrument :

BNA\_F

ClientSampleId :

DB-09(25-30)-02-02-22MSD

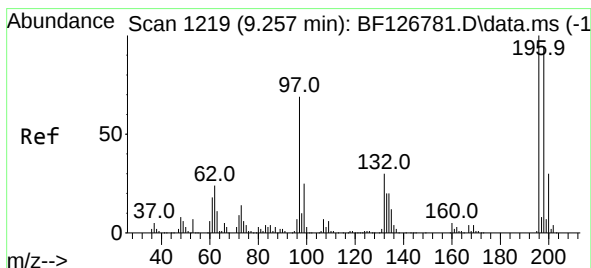
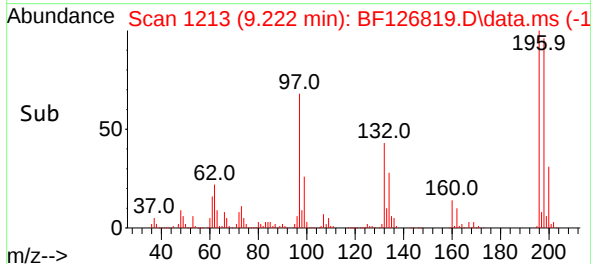
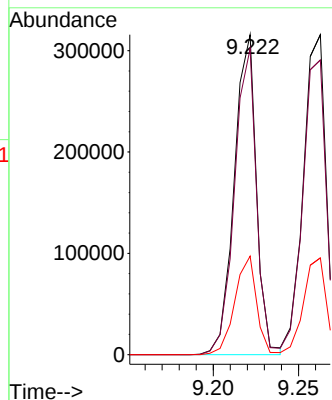
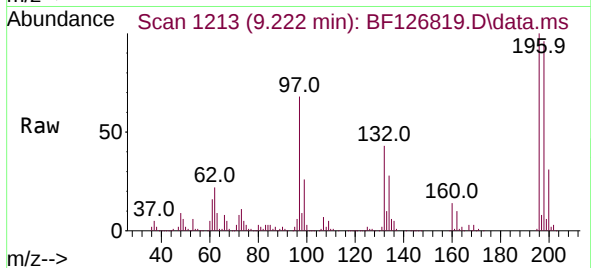
Tgt Ion:196 Resp: 285169

Ion Ratio Lower Upper

196 100

198 95.6 78.5 117.7

200 30.8 24.9 37.3



#44

2,4,5-Trichlorophenol

Concen: 43.288 ng

RT: 9.222 min Scan# 1213

Delta R.T. -0.035 min

Lab File: BF126819.D

Acq: 04 Feb 2022 18:59

Tgt Ion:196 Resp: 285169

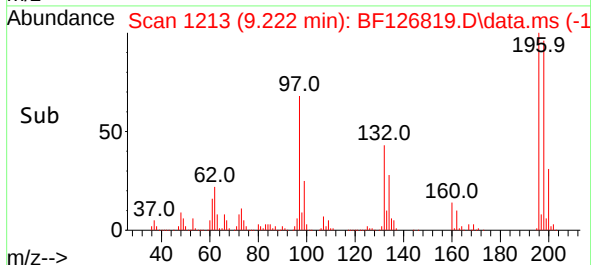
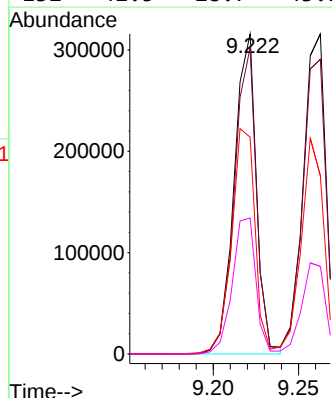
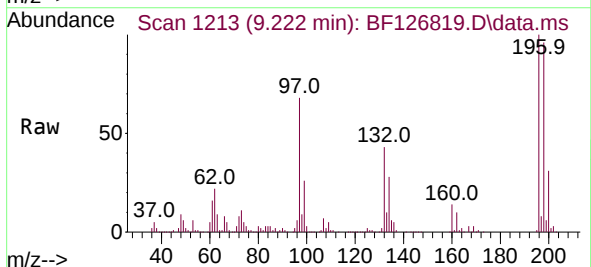
Ion Ratio Lower Upper

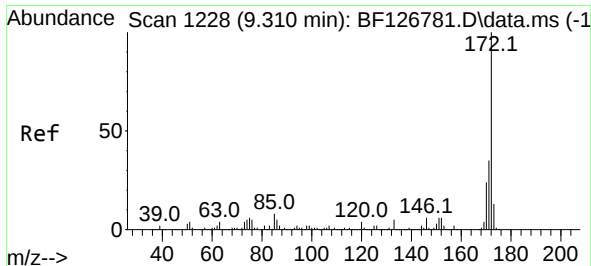
196 100

198 95.6 82.0 123.0

97 67.8 53.5 80.3

132 42.5 28.7 43.1

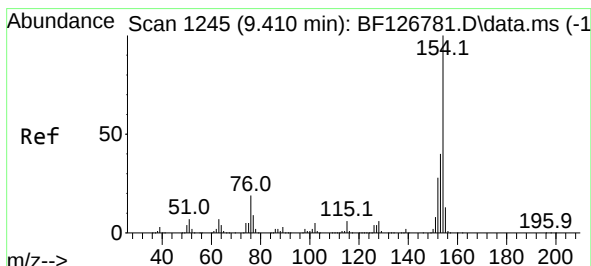
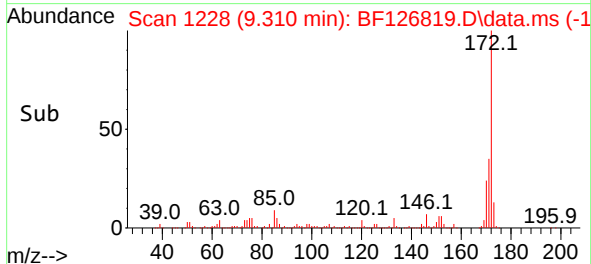
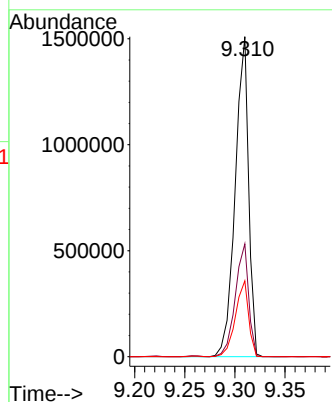
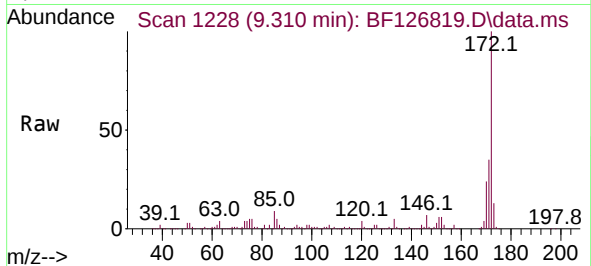




#45  
2-Fluorobiphenyl  
Concen: 74.822 ng  
RT: 9.310 min Scan# 1228  
Delta R.T. -0.000 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

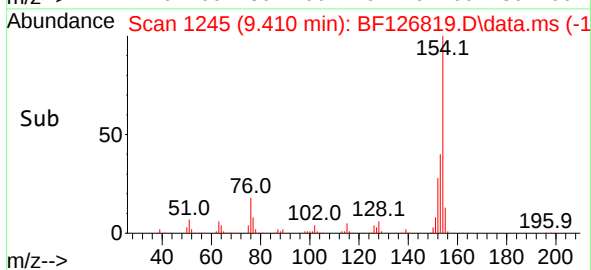
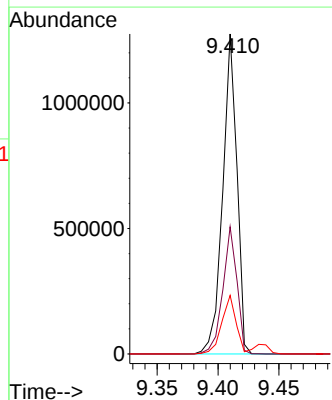
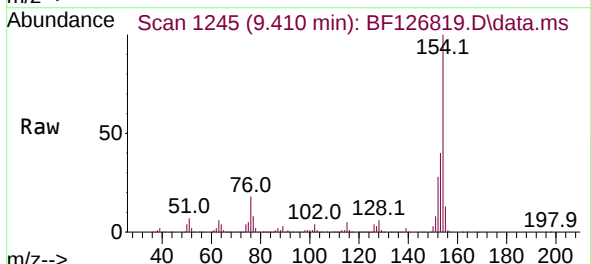
Instrument :  
BNA\_F  
ClientSampleId :  
DB-09(25-30)-02-02-22MSD

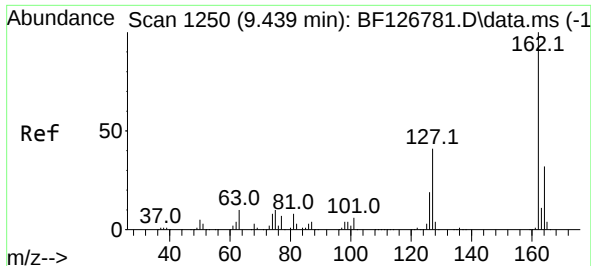
Tgt Ion:172 Resp: 1405715  
Ion Ratio Lower Upper  
172 100  
171 35.3 28.3 42.5  
170 23.7 19.0 28.6



#46  
1,1'-Biphenyl  
Concen: 45.457 ng  
RT: 9.410 min Scan# 1245  
Delta R.T. -0.000 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

Tgt Ion:154 Resp: 1035659  
Ion Ratio Lower Upper  
154 100  
153 39.8 19.0 59.0  
76 18.3 0.0 34.5

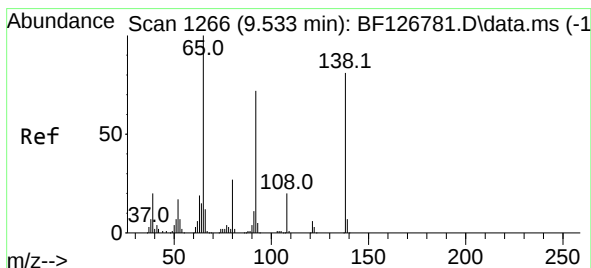
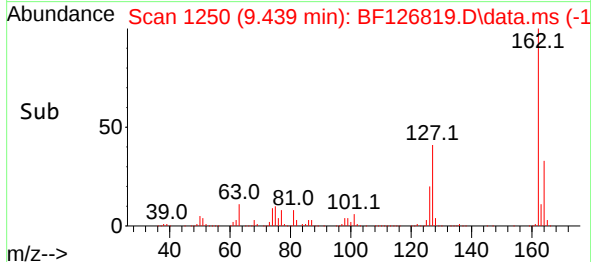
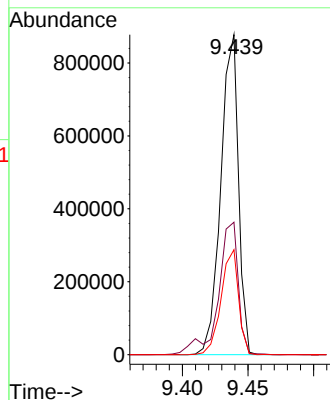
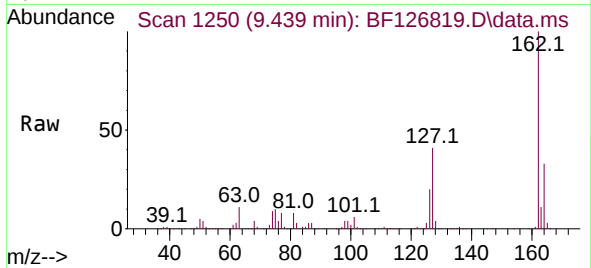




#47  
2-Chloronaphthalene  
Concen: 45.351 ng  
RT: 9.439 min Scan# 1250  
Delta R.T. -0.000 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

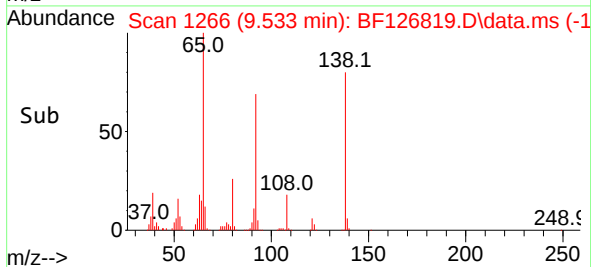
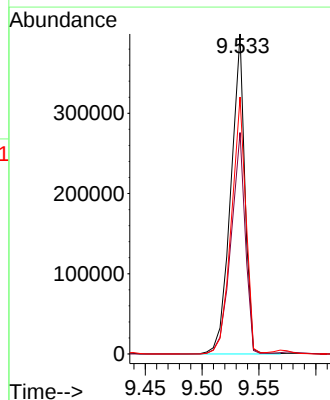
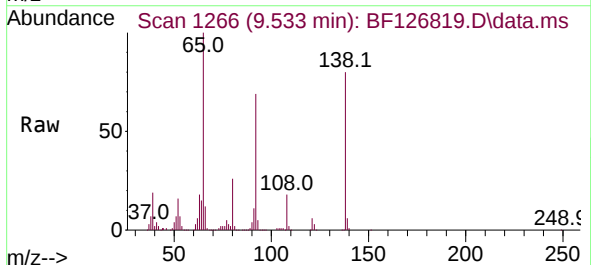
Instrument :  
BNA\_F  
ClientSampleId :  
DB-09(25-30)-02-02-22MSD

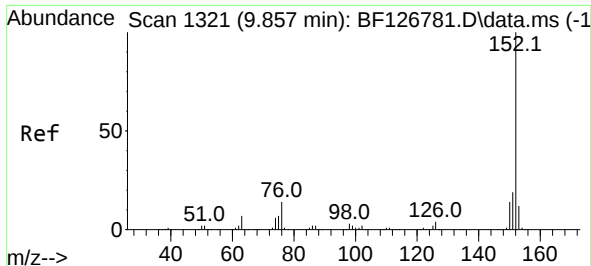
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:162 | Resp: | 819066      |
| Ion         | Ratio | Lower Upper |
| 162         | 100   |             |
| 127         | 41.4  | 33.5 50.3   |
| 164         | 32.8  | 26.2 39.4   |



#48  
2-Nitroaniline  
Concen: 46.638 ng  
RT: 9.533 min Scan# 1266  
Delta R.T. -0.000 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 65 | Resp: | 343421      |
| Ion         | Ratio | Lower Upper |
| 65          | 100   |             |
| 92          | 69.2  | 54.4 81.6   |
| 138         | 80.3  | 72.5 108.7  |





#49

Acenaphthylene

Concen: 46.853 ng

RT: 9.857 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF126819.D

Acq: 04 Feb 2022 18:59

Instrument :

BNA\_F

ClientSampleId :

DB-09(25-30)-02-02-22MSD

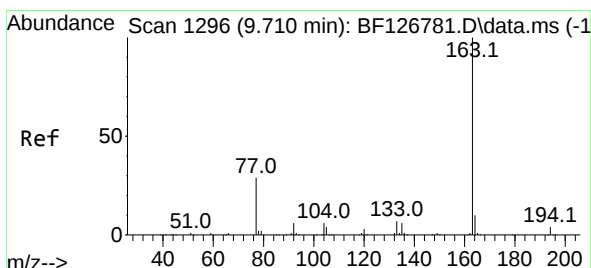
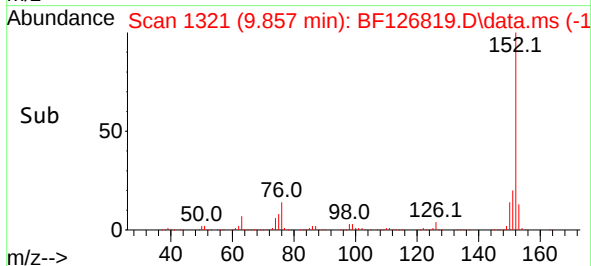
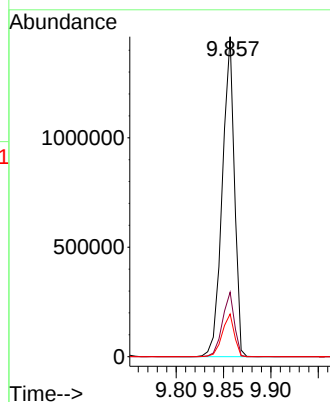
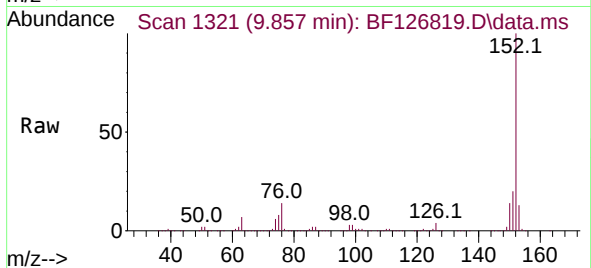
Tgt Ion:152 Resp: 1306500

Ion Ratio Lower Upper

152 100

151 20.1 15.7 23.5

153 13.3 11.4 17.0



#50

Dimethylphthalate

Concen: 45.844 ng

RT: 9.716 min Scan# 1297

Delta R.T. 0.006 min

Lab File: BF126819.D

Acq: 04 Feb 2022 18:59

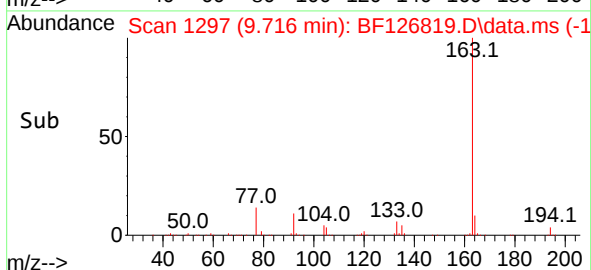
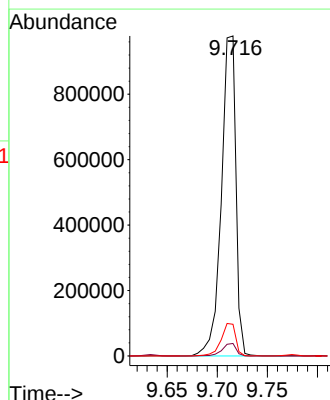
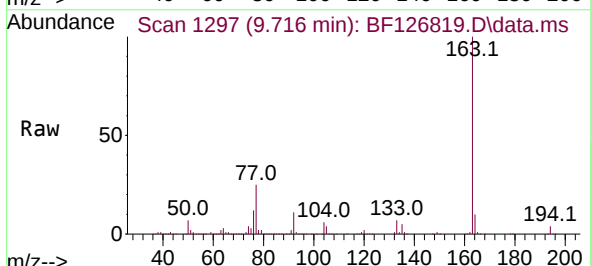
Tgt Ion:163 Resp: 985802

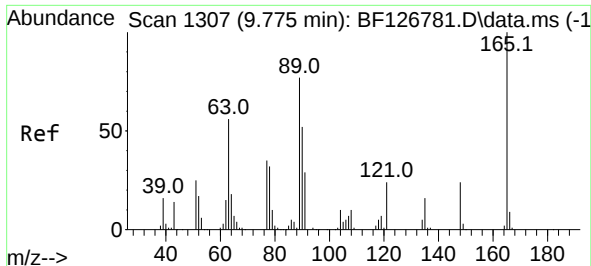
Ion Ratio Lower Upper

163 100

194 3.9 2.6 3.8#

164 9.9 7.8 11.8

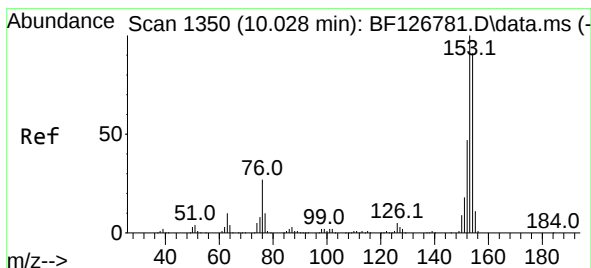
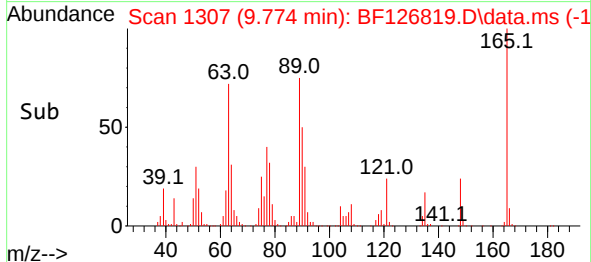
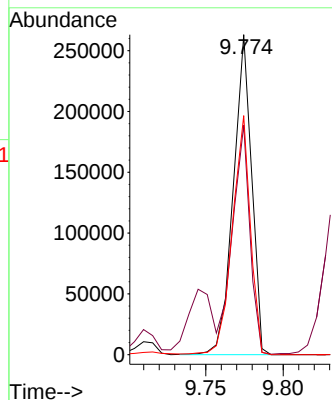
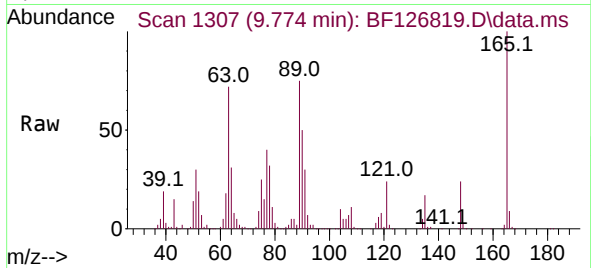




#51  
2,6-Dinitrotoluene  
Concen: 48.915 ng  
RT: 9.774 min Scan# 1307  
Delta R.T. -0.000 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

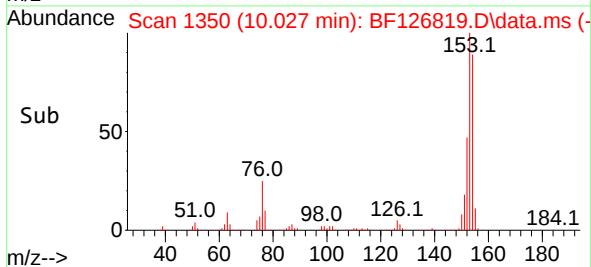
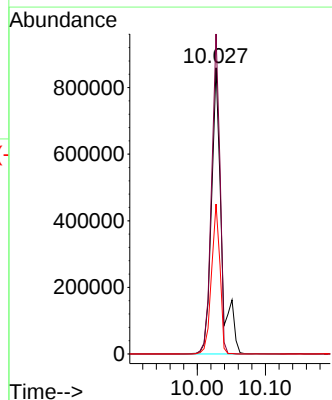
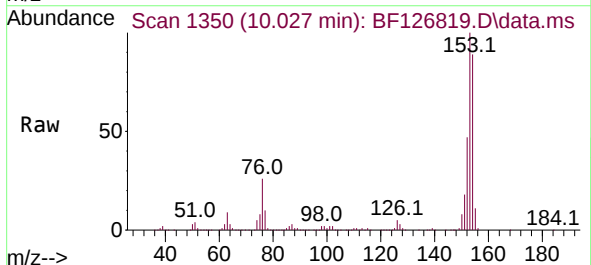
Instrument :  
BNA\_F  
ClientSampleId :  
DB-09(25-30)-02-02-22MSD

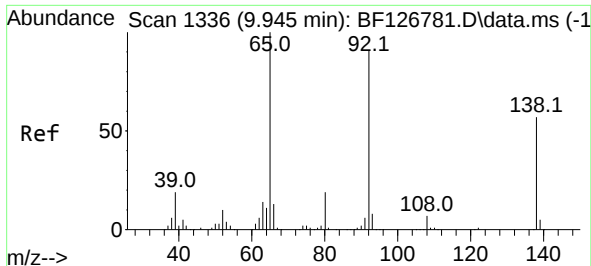
Tgt Ion:165 Resp: 216064  
Ion Ratio Lower Upper  
165 100  
63 71.7 48.4 72.6  
89 74.7 50.5 75.7



#52  
Acenaphthene  
Concen: 49.460 ng  
RT: 10.027 min Scan# 1350  
Delta R.T. -0.000 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

Tgt Ion:154 Resp: 879374  
Ion Ratio Lower Upper  
154 100  
153 111.8 87.8 131.6  
152 52.4 39.4 59.2

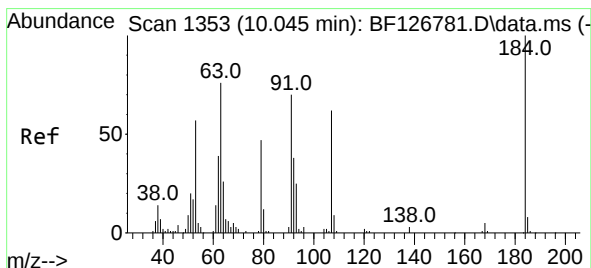
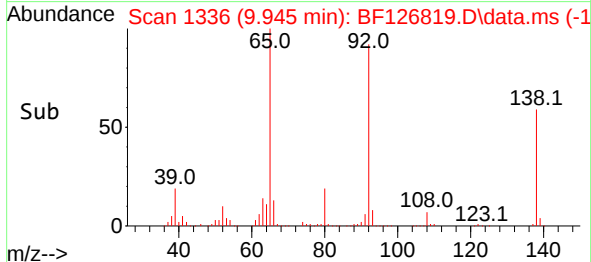
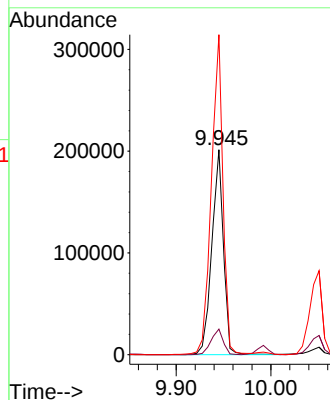
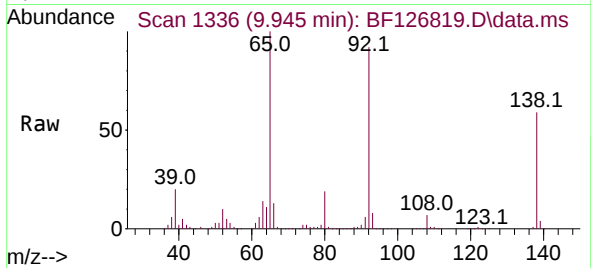




#53  
3-Nitroaniline  
Concen: 34.054 ng  
RT: 9.945 min Scan# 1336  
Delta R.T. -0.000 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

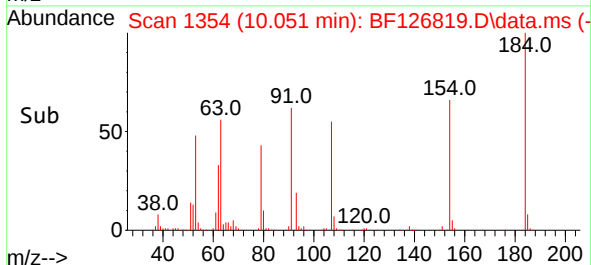
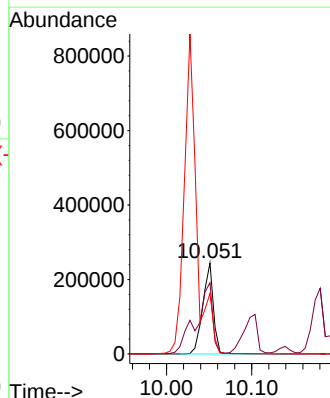
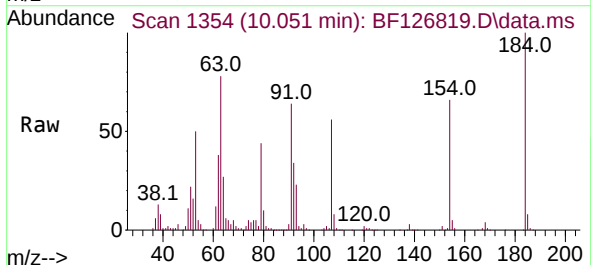
Instrument :  
BNA\_F  
ClientSampleId :  
DB-09(25-30)-02-02-22MSD

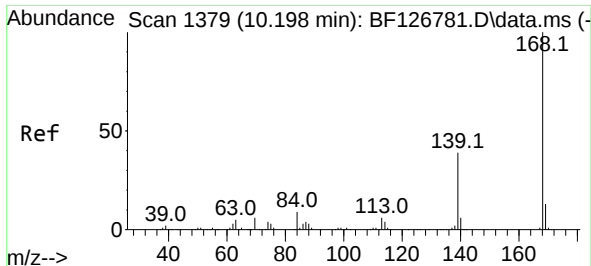
Tgt Ion:138 Resp: 171408  
Ion Ratio Lower Upper  
138 100  
108 12.5 8.6 13.0  
92 156.1 105.0 157.6



#54  
2,4-Dinitrophenol  
Concen: 90.726 ng  
RT: 10.051 min Scan# 1354  
Delta R.T. 0.006 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

Tgt Ion:184 Resp: 211096  
Ion Ratio Lower Upper  
184 100  
63 78.4 70.4 105.6  
154 66.5 49.7 74.5

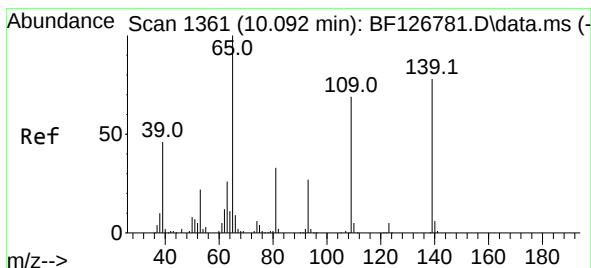
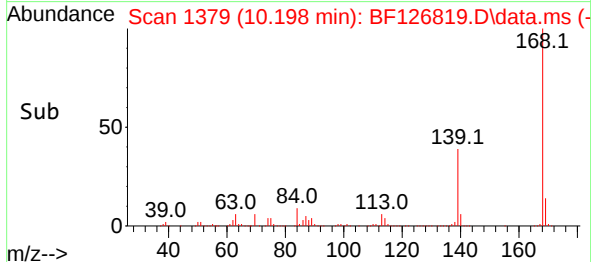
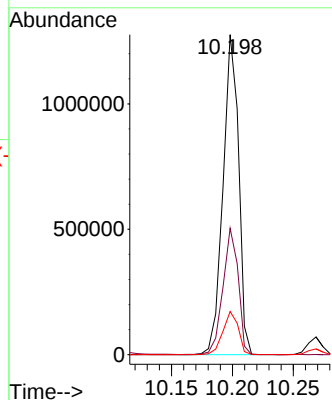
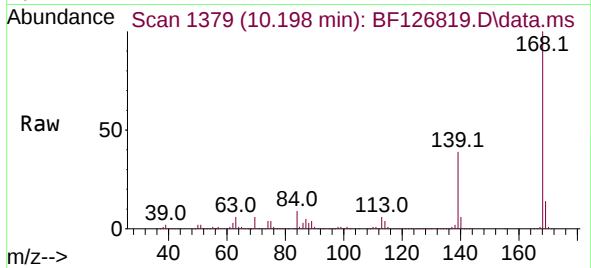




#55  
Dibenzofuran  
Concen: 43.402 ng  
RT: 10.198 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

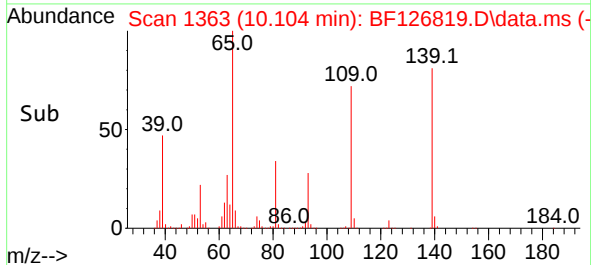
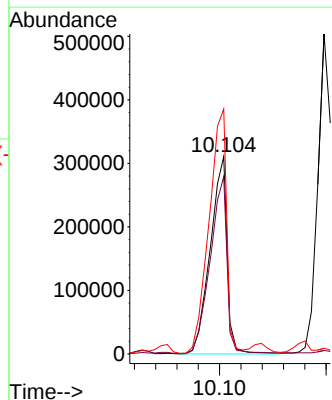
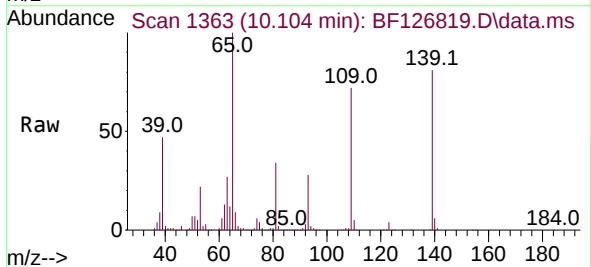
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BNA\_F  
ClientSampleId :  
DB-09(25-30)-02-02-22MSD

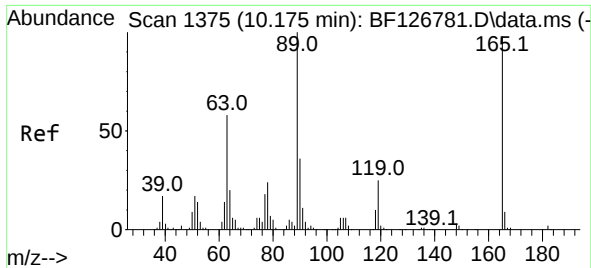
Tgt Ion:168 Resp: 1138977  
Ion Ratio Lower Upper  
168 100  
139 39.5 30.6 46.0  
169 13.5 10.0 15.0



#56  
4-Nitrophenol  
Concen: 90.122 ng  
RT: 10.104 min Scan# 1363  
Delta R.T. 0.012 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

Tgt Ion:139 Resp: 343542  
Ion Ratio Lower Upper  
139 100  
109 89.8 44.1 84.1#  
65 124.2 85.5 125.5

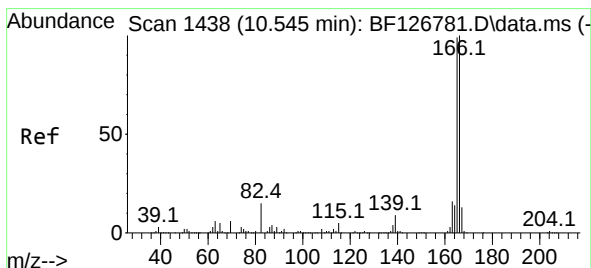
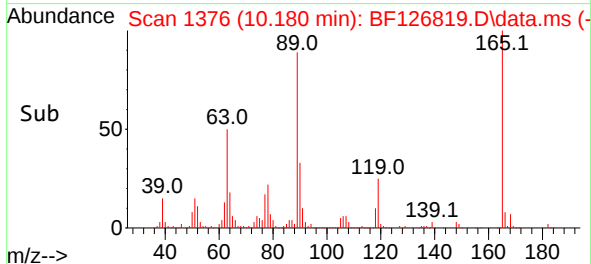
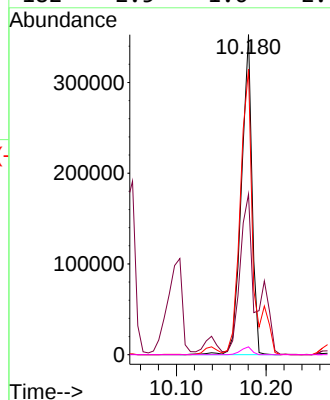
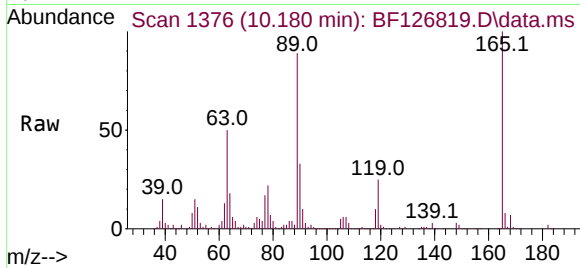




#57  
2,4-Dinitrotoluene  
Concen: 48.345 ng  
RT: 10.180 min Scan# 1376  
Delta R.T. 0.006 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

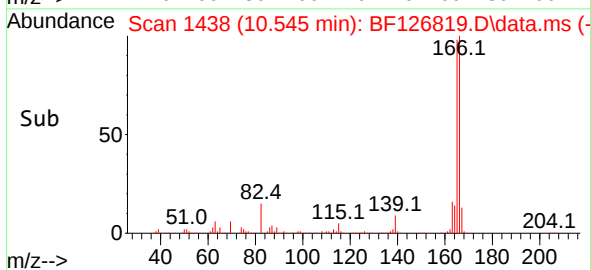
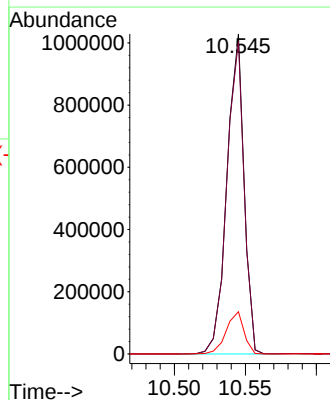
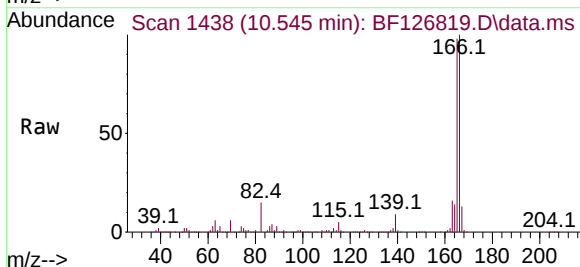
Instrument :  
BNA\_F  
ClientSampleId :  
DB-09(25-30)-02-02-22MSD

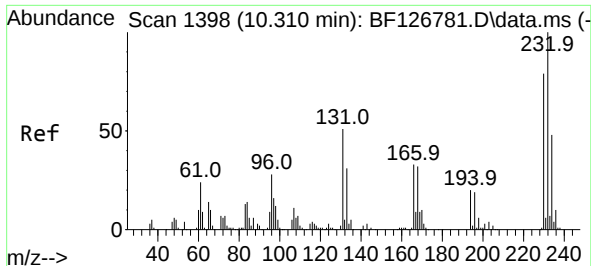
Tgt Ion:165 Resp: 289427  
Ion Ratio Lower Upper  
165 100  
63 50.1 43.0 64.6  
89 89.3 71.0 106.4  
182 2.5 1.6 2.4#



#58  
Fluorene  
Concen: 44.297 ng  
RT: 10.545 min Scan# 1438  
Delta R.T. -0.000 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

Tgt Ion:166 Resp: 860105  
Ion Ratio Lower Upper  
166 100  
165 97.8 77.7 116.5  
167 13.2 10.7 16.1





#59

2,3,4,6-Tetrachlorophenol

Concen: 43.712 ng

RT: 10.316 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF126819.D

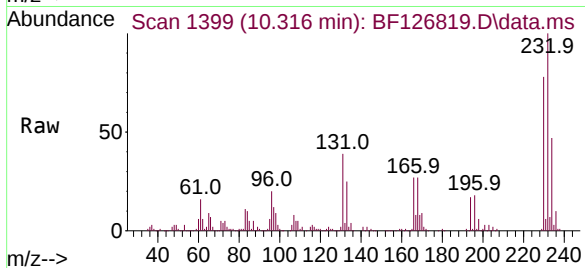
Acq: 04 Feb 2022 18:59

Instrument :

BNA\_F

ClientSampleId :

DB-09(25-30)-02-02-22MSD



Tgt Ion:232 Resp: 249242

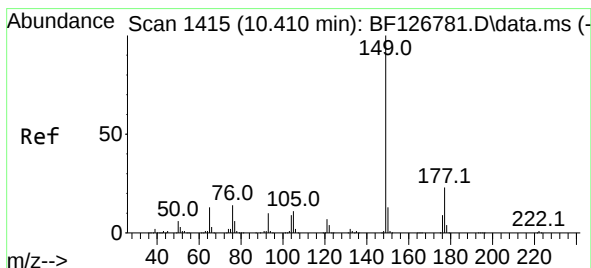
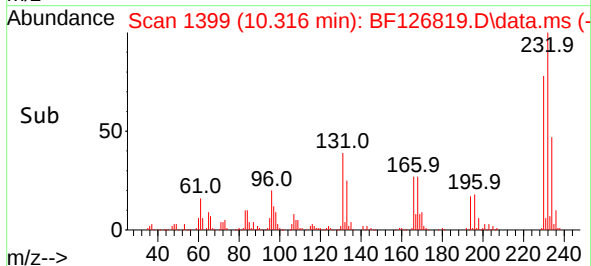
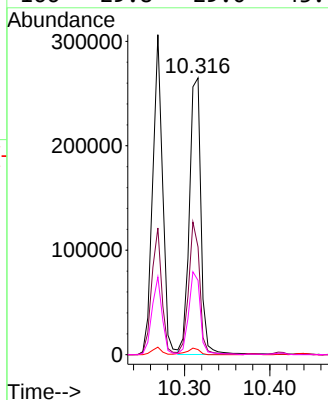
Ion Ratio Lower Upper

232 100

131 45.1 50.0 75.0#

130 2.6 2.2 3.2

166 29.8 29.0 43.4



#60

Diethylphthalate

Concen: 44.231 ng

RT: 10.410 min Scan# 1415

Delta R.T. -0.000 min

Lab File: BF126819.D

Acq: 04 Feb 2022 18:59

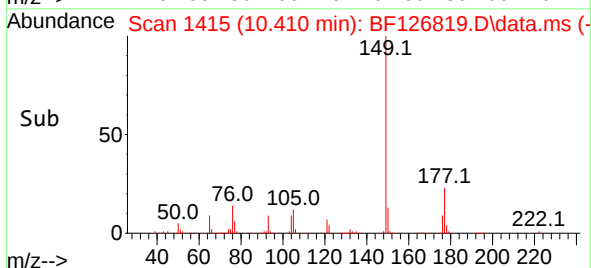
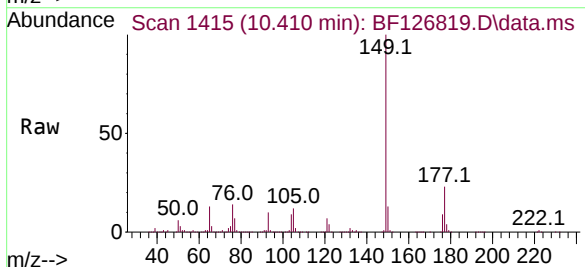
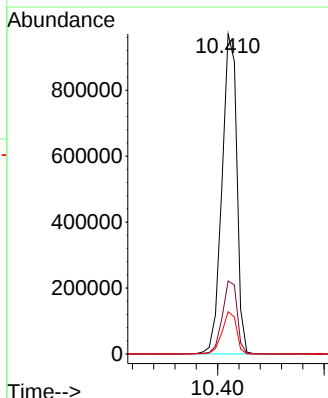
Tgt Ion:149 Resp: 934532

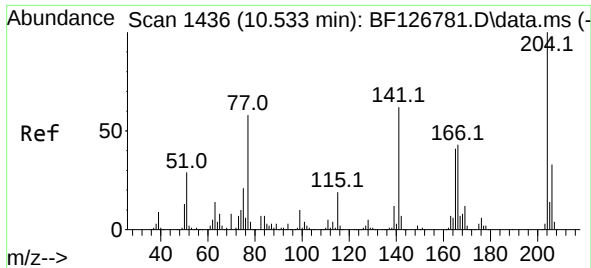
Ion Ratio Lower Upper

149 100

177 22.8 16.7 25.1

150 13.2 9.8 14.8

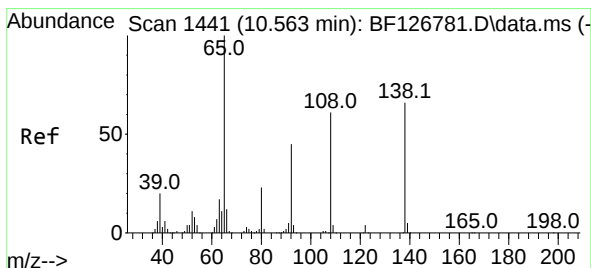
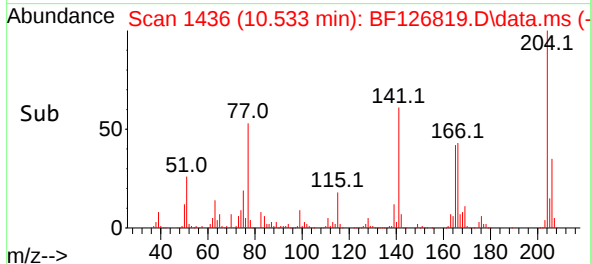
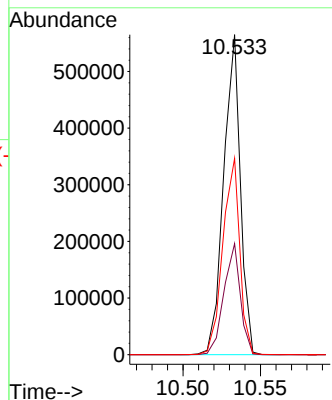
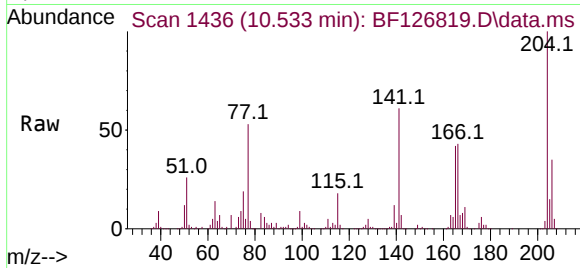




#61  
4-Chlorophenyl-phenylether  
Concen: 43.151 ng  
RT: 10.533 min Scan# 1436  
Delta R.T. -0.000 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

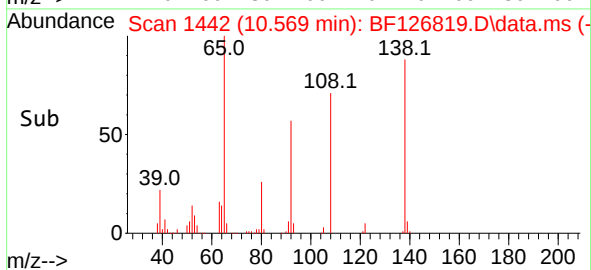
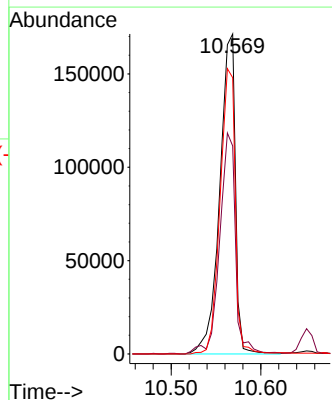
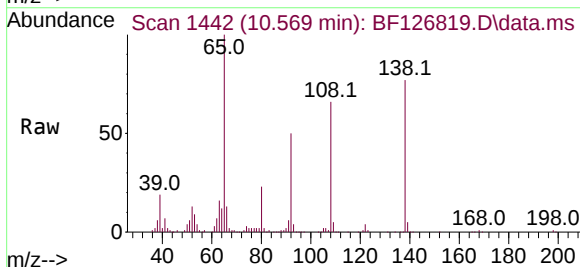
Instrument :  
BNA\_F  
ClientSampleId :  
DB-09(25-30)-02-02-22MSD

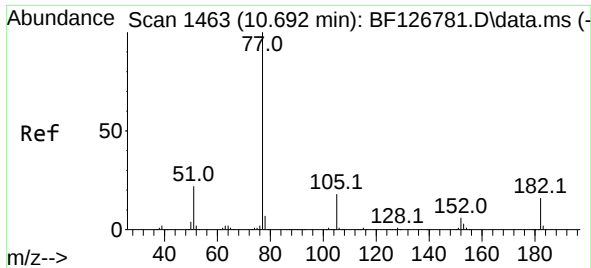
Tgt Ion:204 Resp: 423807  
Ion Ratio Lower Upper  
204 100  
206 34.7 26.3 39.5  
141 61.4 59.0 88.6



#62  
4-Nitroaniline  
Concen: 43.549 ng  
RT: 10.569 min Scan# 1442  
Delta R.T. 0.006 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

Tgt Ion:138 Resp: 208000  
Ion Ratio Lower Upper  
138 100  
92 65.0 36.2 76.2  
108 86.4 46.7 86.7



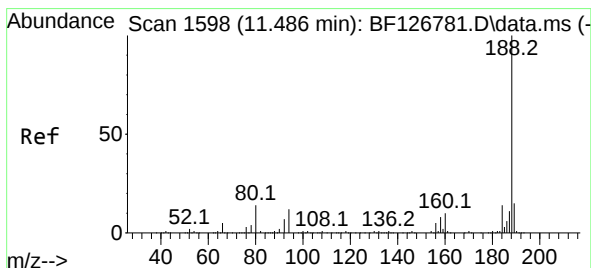
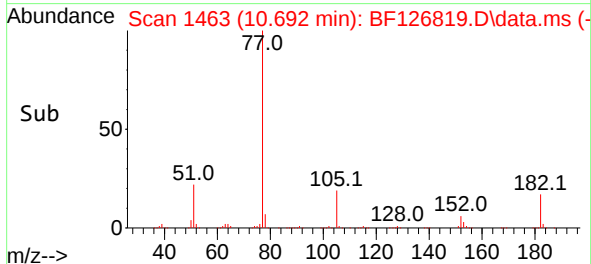
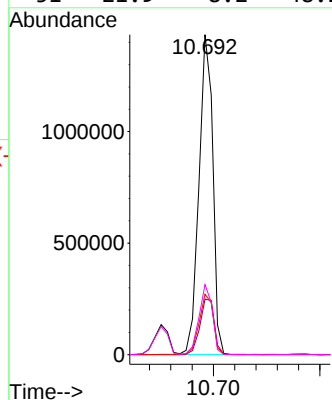
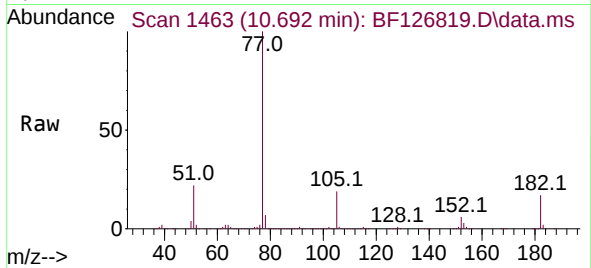


#63  
Azobenzene  
Concen: 44.044 ng  
RT: 10.692 min Scan# 1463  
Delta R.T. -0.000 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

Instrument :  
BNA\_F  
ClientSampleId :  
DB-09(25-30)-02-02-22MSD

Tgt Ion: 77 Resp: 1291166

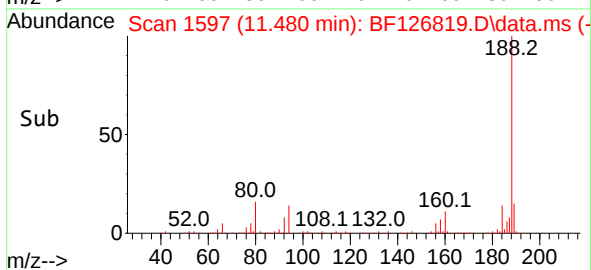
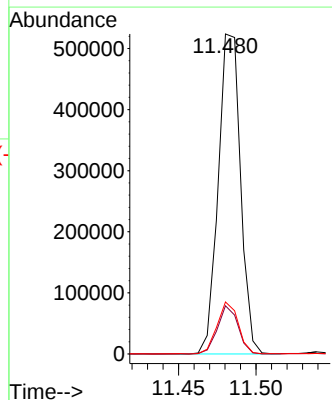
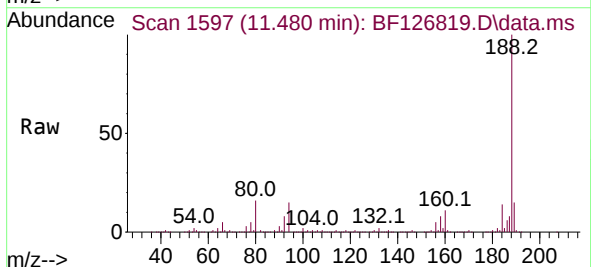
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 182 | 17.4  | 0.0   | 39.0  |
| 105 | 18.9  | 3.2   | 43.2  |
| 51  | 21.9  | 8.2   | 48.2  |

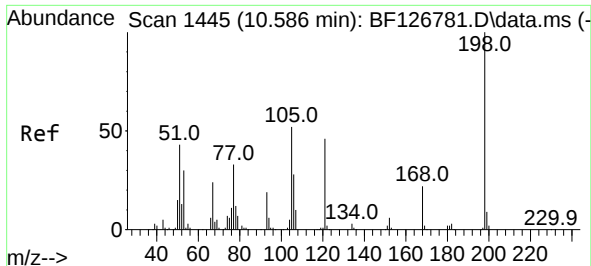


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.480 min Scan# 1597  
Delta R.T. -0.006 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

Tgt Ion: 188 Resp: 524912

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 188 | 100   |       |       |
| 94  | 15.0  | 10.1  | 15.1  |
| 80  | 16.2  | 11.8  | 17.6  |

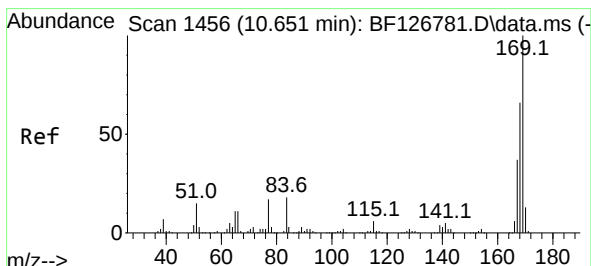
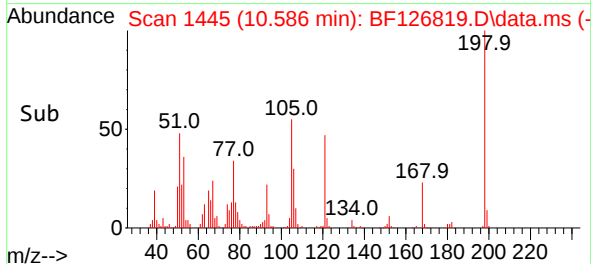
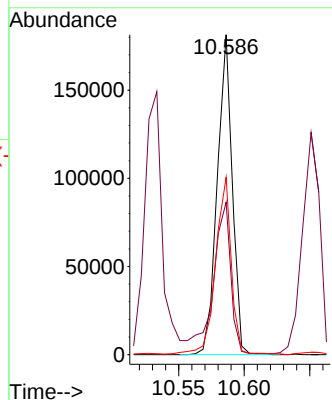
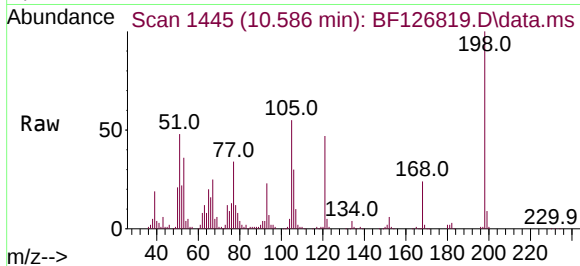




#65  
4,6-Dinitro-2-methylphenol  
Concen: 45.311 ng  
RT: 10.586 min Scan# 1445  
Delta R.T. -0.000 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

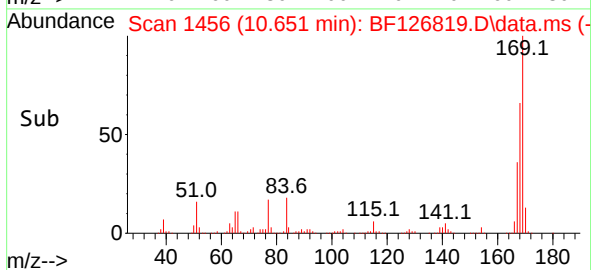
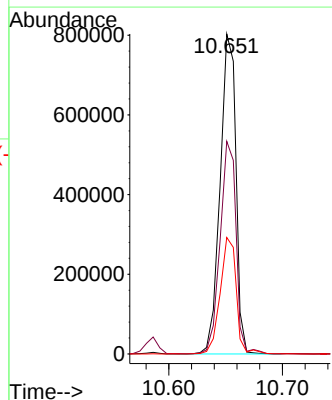
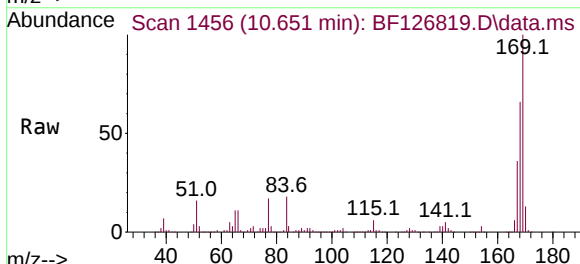
Instrument :  
BNA\_F  
ClientSampleId :  
DB-09(25-30)-02-02-22MSD

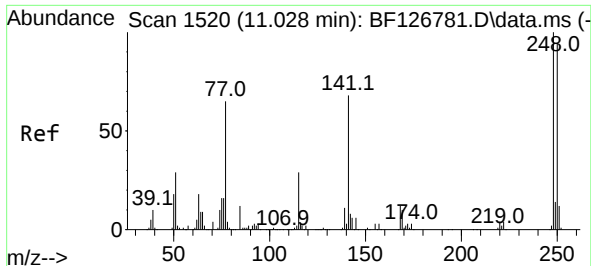
Tgt Ion:198 Resp: 144281  
Ion Ratio Lower Upper  
198 100  
51 47.6 32.0 72.0  
105 55.4 32.7 72.7



#66  
n-Nitrosodiphenylamine  
Concen: 46.091 ng  
RT: 10.651 min Scan# 1456  
Delta R.T. -0.000 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

Tgt Ion:169 Resp: 778018  
Ion Ratio Lower Upper  
169 100  
168 66.5 53.4 80.0  
167 36.4 29.4 44.0





#67

4-Bromophenyl-phenylether

Concen: 45.503 ng

RT: 11.027 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF126819.D

Acq: 04 Feb 2022 18:59

Instrument :

BNA\_F

ClientSampleId :

DB-09(25-30)-02-02-22MSD

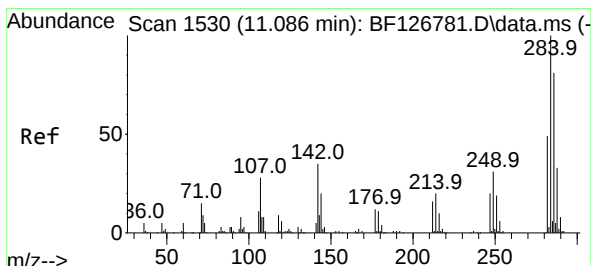
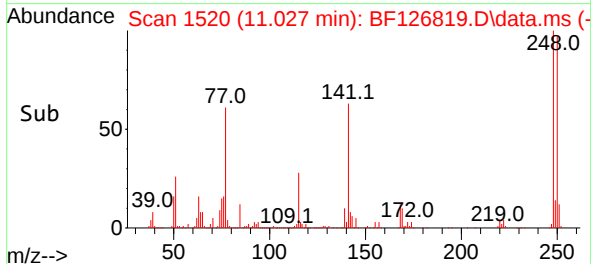
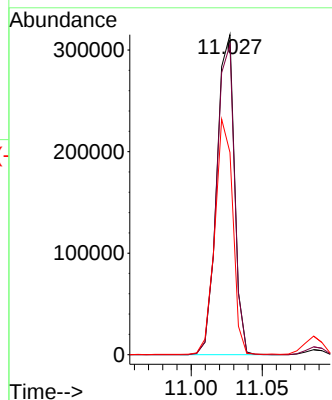
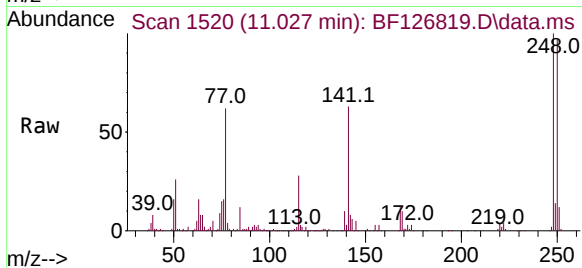
Tgt Ion:248 Resp: 273395

Ion Ratio Lower Upper

248 100

250 96.8 76.2 114.4

141 63.2 66.2 99.4#



#68

Hexachlorobenzene

Concen: 45.496 ng

RT: 11.086 min Scan# 1530

Delta R.T. -0.000 min

Lab File: BF126819.D

Acq: 04 Feb 2022 18:59

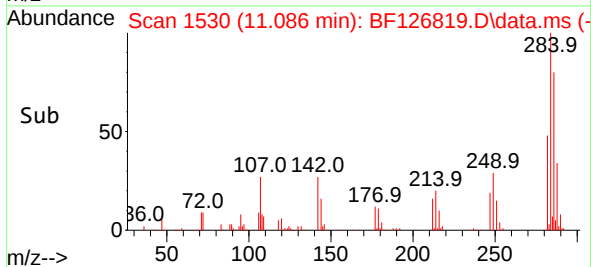
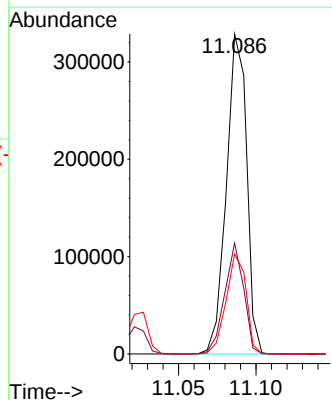
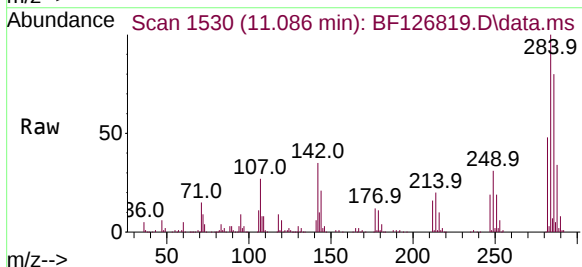
Tgt Ion:284 Resp: 299108

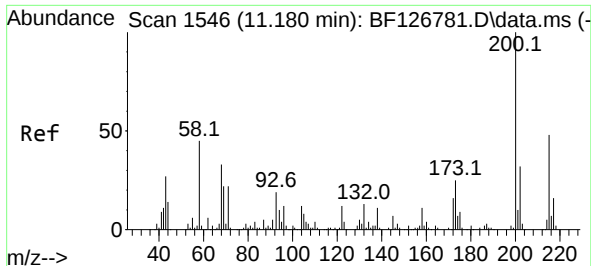
Ion Ratio Lower Upper

284 100

142 34.7 30.7 46.1

249 31.2 21.1 31.7

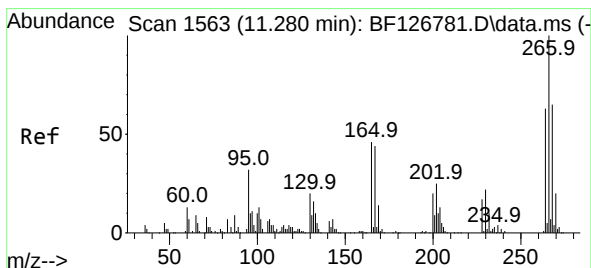
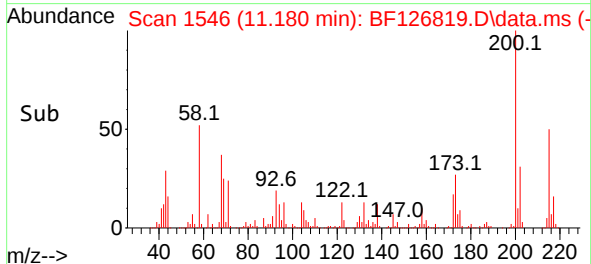
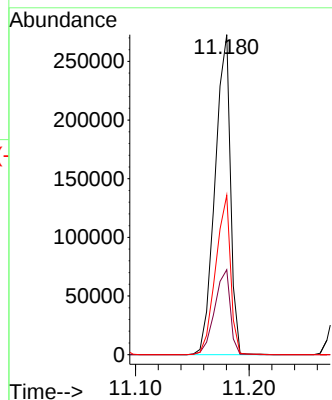
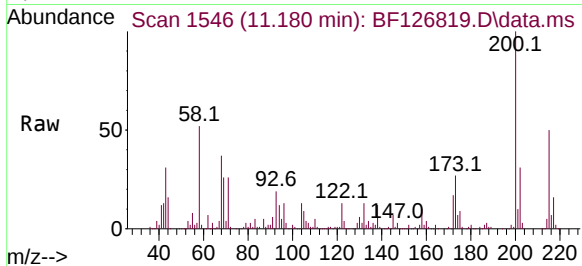




#69  
 Atrazine  
 Concen: 46.835 ng  
 RT: 11.180 min Scan# 1546  
 Delta R.T. -0.000 min  
 Lab File: BF126819.D  
 Acq: 04 Feb 2022 18:59

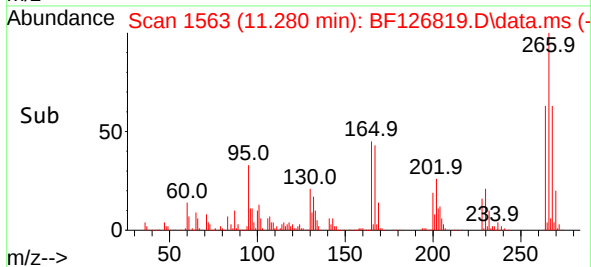
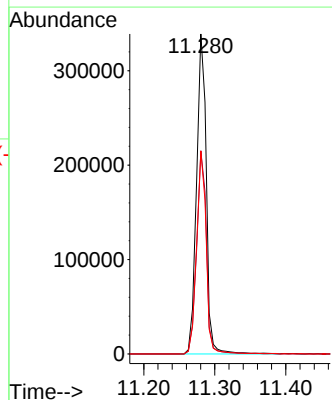
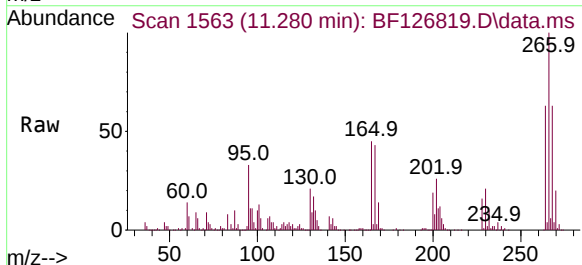
Instrument :  
 BNA\_F  
 ClientSampleId :  
 DB-09(25-30)-02-02-22MSD

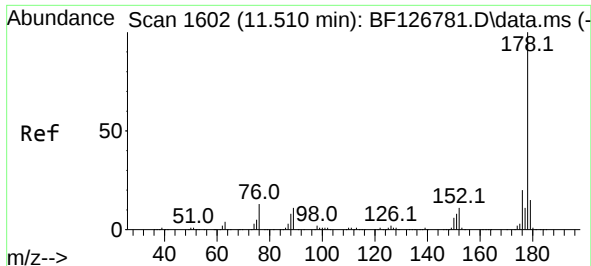
Tgt Ion:200 Resp: 256530  
 Ion Ratio Lower Upper  
 200 100  
 173 26.6 9.2 49.2  
 215 49.8 23.2 63.2



#70  
 Pentachlorophenol  
 Concen: 84.643 ng  
 RT: 11.280 min Scan# 1563  
 Delta R.T. -0.000 min  
 Lab File: BF126819.D  
 Acq: 04 Feb 2022 18:59

Tgt Ion:266 Resp: 324657  
 Ion Ratio Lower Upper  
 266 100  
 268 63.5 52.3 78.5  
 264 63.5 50.4 75.6

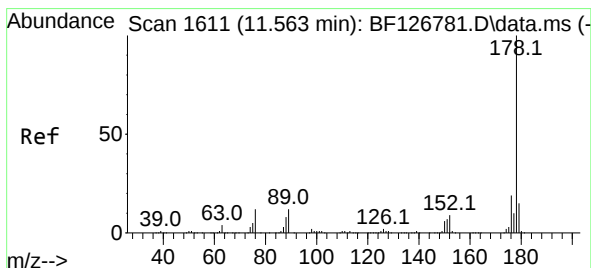
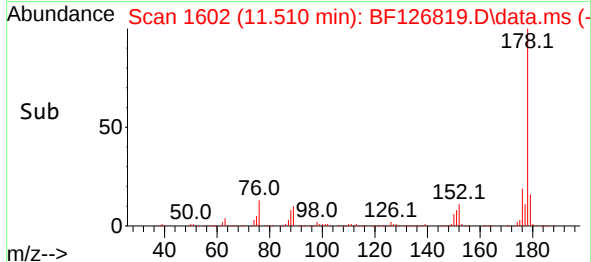
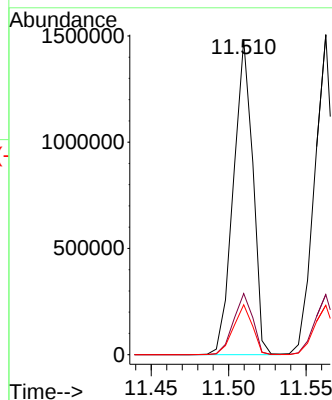
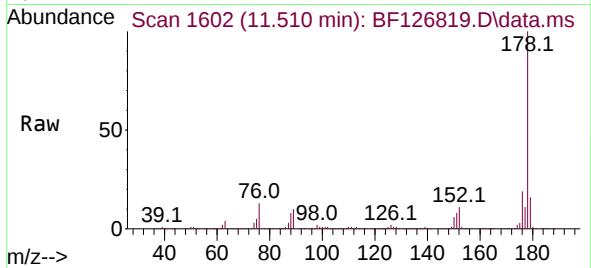




#71  
Phenanthrene  
Concen: 44.185 ng  
RT: 11.510 min Scan# 1602  
Delta R.T. -0.000 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

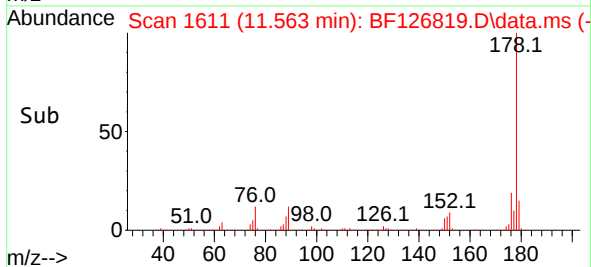
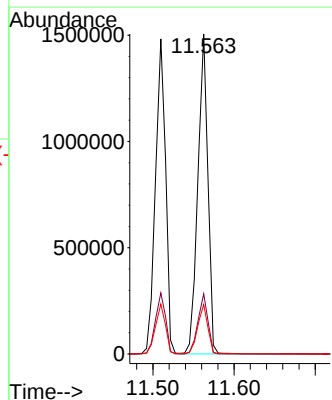
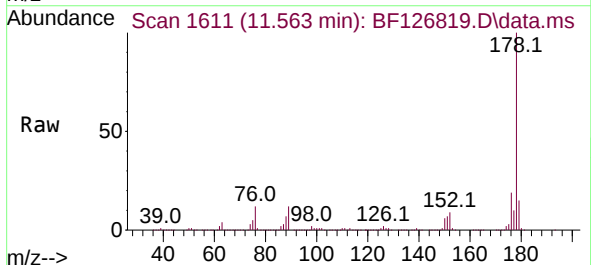
Instrument :  
BNA\_F  
ClientSampleId :  
DB-09(25-30)-02-02-22MSD

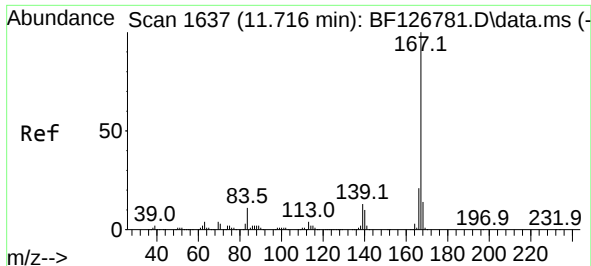
Tgt Ion:178 Resp: 1284535  
Ion Ratio Lower Upper  
178 100  
176 19.4 15.7 23.5  
179 15.8 12.3 18.5



#72  
Anthracene  
Concen: 44.741 ng  
RT: 11.563 min Scan# 1611  
Delta R.T. -0.000 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

Tgt Ion:178 Resp: 1302757  
Ion Ratio Lower Upper  
178 100  
176 18.8 15.0 22.6  
179 15.4 12.5 18.7

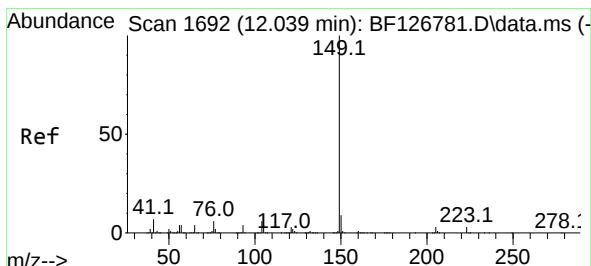
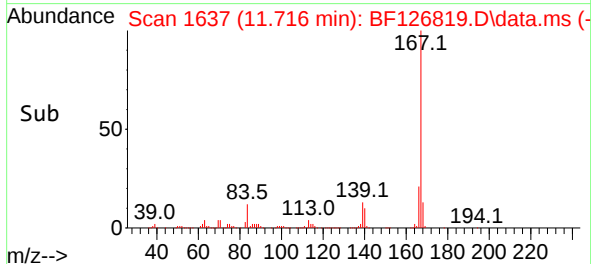
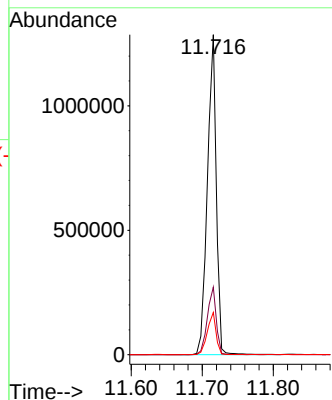
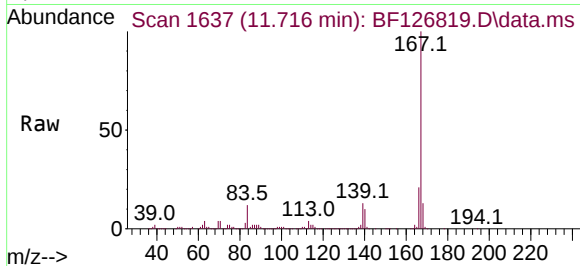




#73  
 Carbazole  
 Concen: 40.958 ng  
 RT: 11.716 min Scan# 1637  
 Delta R.T. -0.000 min  
 Lab File: BF126819.D  
 Acq: 04 Feb 2022 18:59

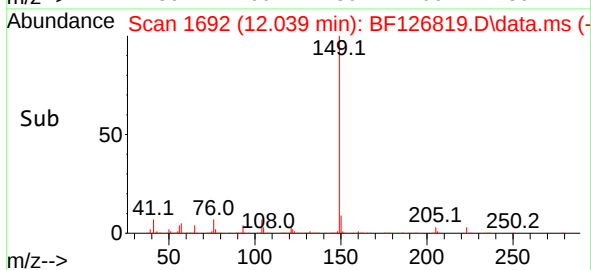
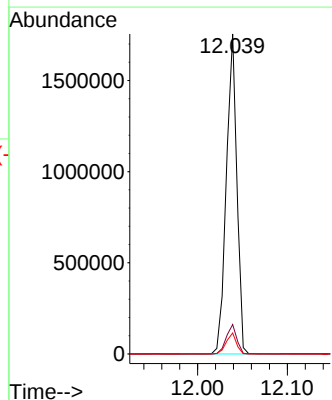
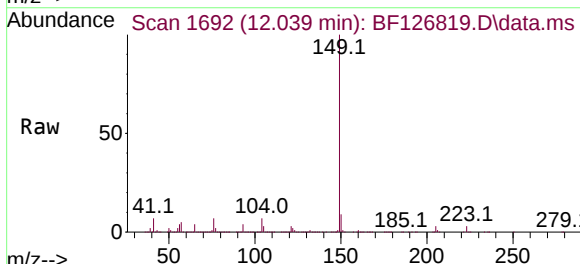
Instrument :  
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 ClientSampleId :  
 DB-09(25-30)-02-02-22MSD

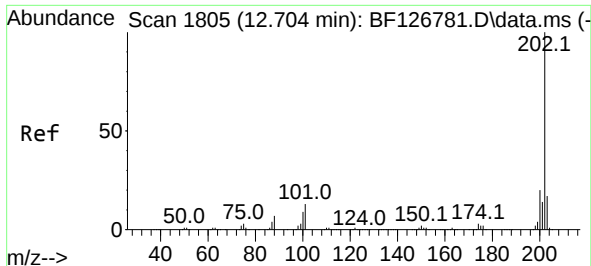
Tgt Ion:167 Resp: 1125081  
 Ion Ratio Lower Upper  
 167 100  
 166 21.1 16.9 25.3  
 139 13.2 11.3 16.9



#74  
 Di-n-butylphthalate  
 Concen: 44.834 ng  
 RT: 12.039 min Scan# 1692  
 Delta R.T. -0.000 min  
 Lab File: BF126819.D  
 Acq: 04 Feb 2022 18:59

Tgt Ion:149 Resp: 1427903  
 Ion Ratio Lower Upper  
 149 100  
 150 9.2 7.2 10.8  
 104 6.5 4.2 6.2#

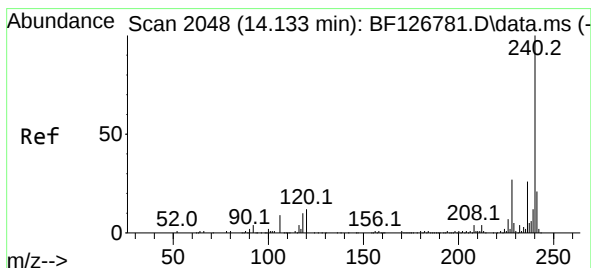
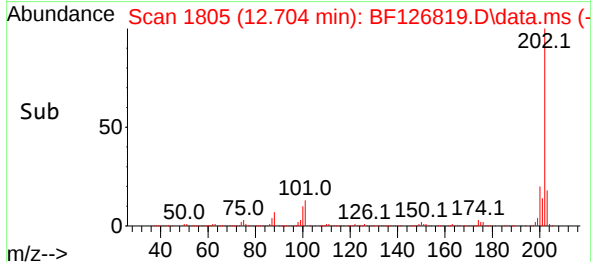
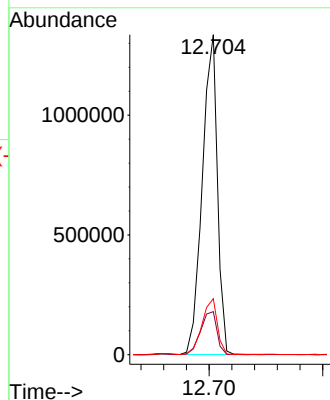
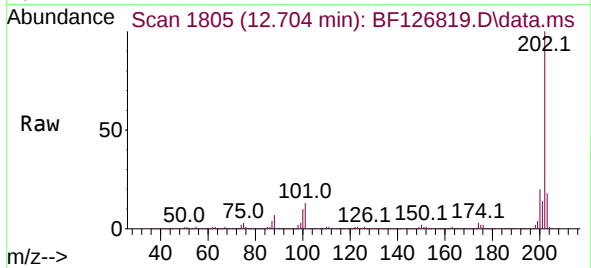




#75  
Fluoranthene  
Concen: 41.690 ng  
RT: 12.704 min Scan# 1805  
Delta R.T. -0.000 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

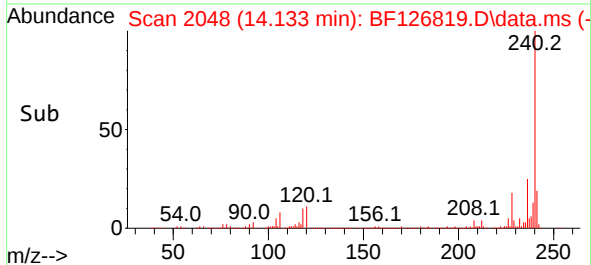
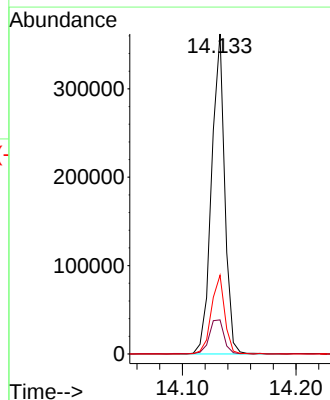
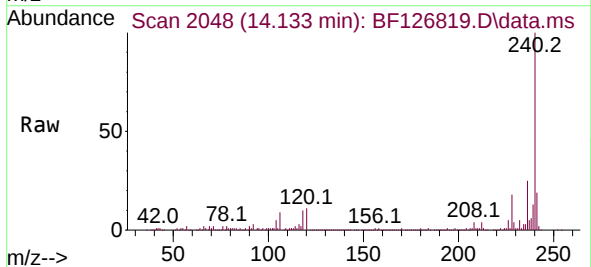
Instrument :  
BNA\_F  
ClientSampleId :  
DB-09(25-30)-02-02-22MSD

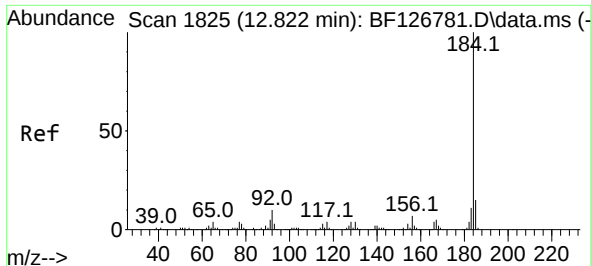
Tgt Ion:202 Resp: 1232786  
Ion Ratio Lower Upper  
202 100  
101 13.4 0.0 35.7  
203 17.5 0.0 37.1



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.133 min Scan# 2048  
Delta R.T. -0.000 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

Tgt Ion:240 Resp: 290590  
Ion Ratio Lower Upper  
240 100  
120 10.7 14.4 21.6#  
236 24.6 20.5 30.7

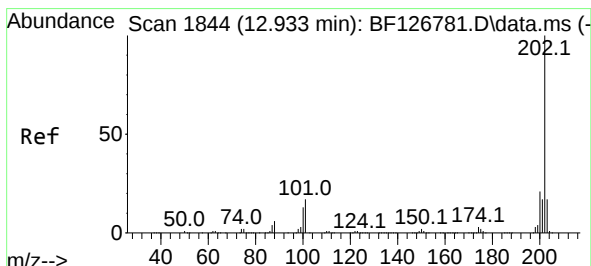
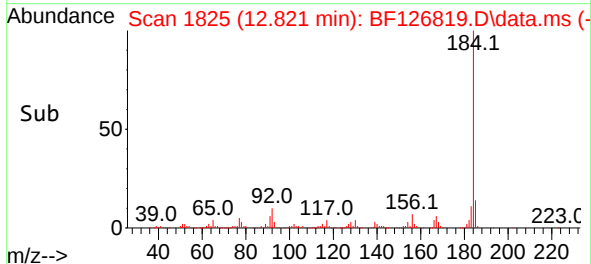
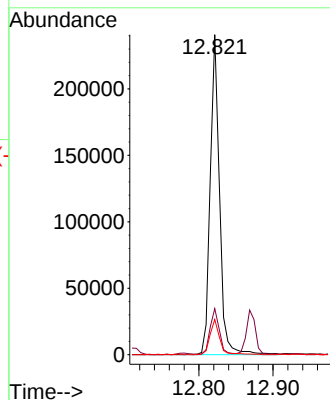
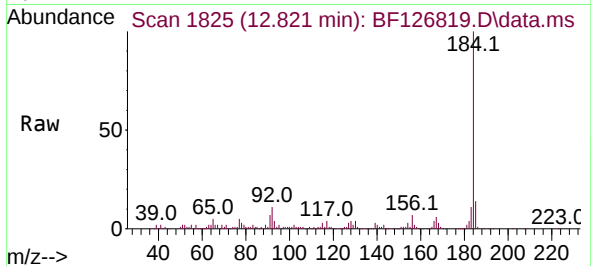




#77  
Benzidine  
Concen: 31.700 ng  
RT: 12.821 min Scan# 1825  
Delta R.T. -0.000 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

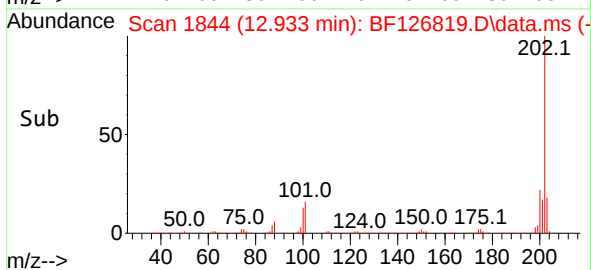
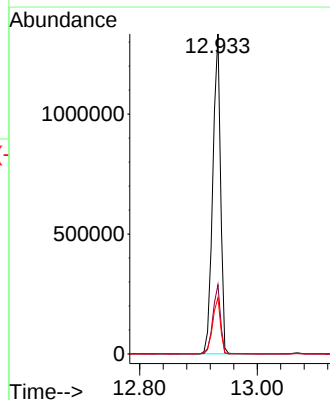
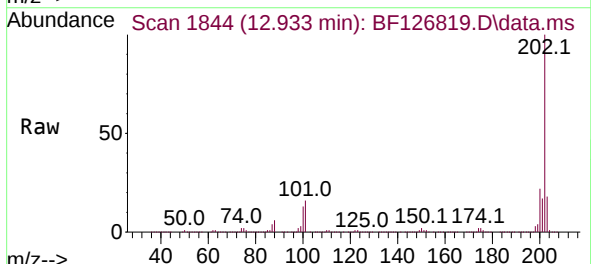
Instrument :  
BNA\_F  
ClientSampleId :  
DB-09(25-30)-02-02-22MSD

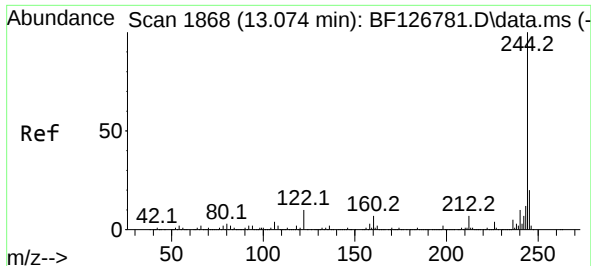
Tgt Ion:184 Resp: 211321  
Ion Ratio Lower Upper  
184 100  
185 14.4 11.8 17.8  
183 11.0 8.2 12.2



#78  
Pyrene  
Concen: 52.331 ng  
RT: 12.933 min Scan# 1844  
Delta R.T. -0.000 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

Tgt Ion:202 Resp: 1215278  
Ion Ratio Lower Upper  
202 100  
200 21.7 16.6 24.8  
203 17.6 13.8 20.8

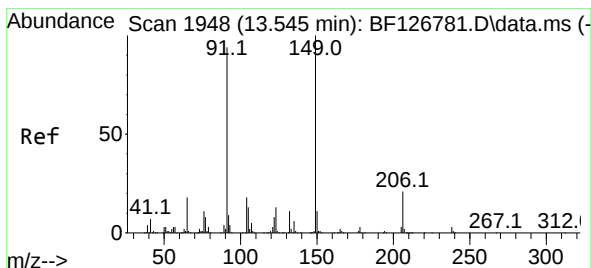
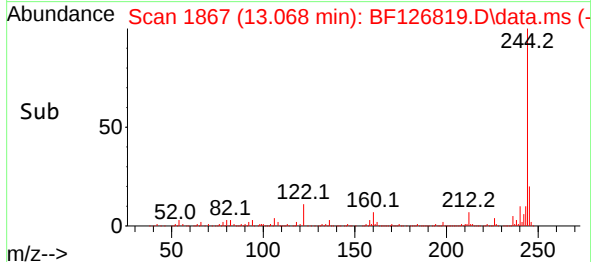
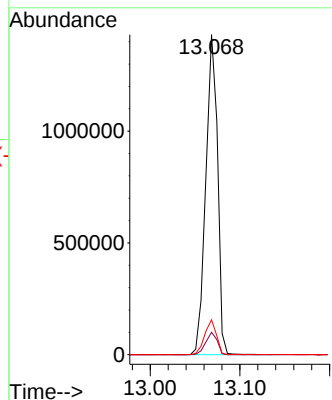
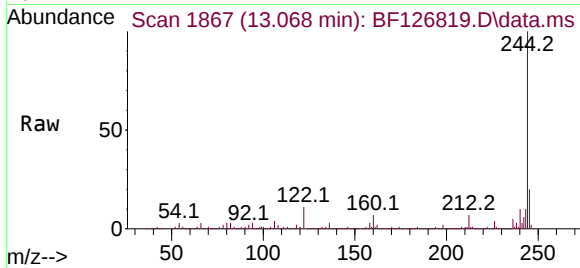




#79  
 Terphenyl-d14  
 Concen: 75.043 ng  
 RT: 13.068 min Scan# 1868  
 Delta R.T. -0.006 min  
 Lab File: BF126819.D  
 Acq: 04 Feb 2022 18:59

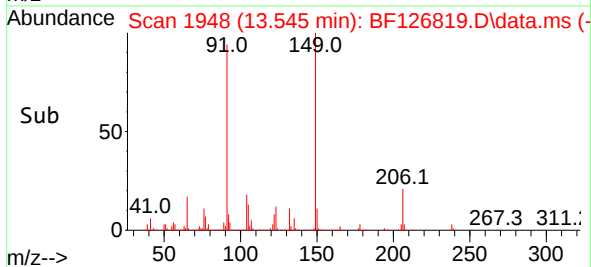
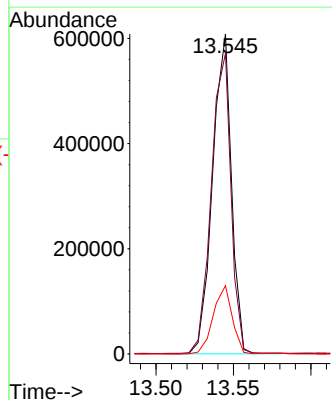
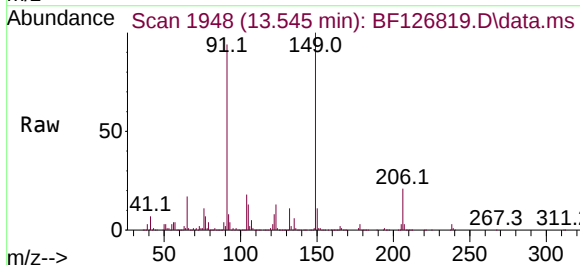
Instrument :  
 BNA\_F  
 ClientSampleId :  
 DB-09(25-30)-02-02-22MSD

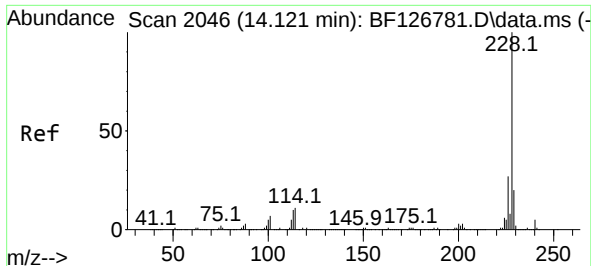
Tgt Ion:244 Resp: 1303585  
 Ion Ratio Lower Upper  
 244 100  
 212 7.0 5.0 7.4  
 122 10.9 13.3 19.9#



#80  
 Butylbenzylphthalate  
 Concen: 53.354 ng  
 RT: 13.545 min Scan# 1948  
 Delta R.T. -0.000 min  
 Lab File: BF126819.D  
 Acq: 04 Feb 2022 18:59

Tgt Ion:149 Resp: 514111  
 Ion Ratio Lower Upper  
 149 100  
 91 94.0 70.5 105.7  
 206 21.4 12.6 19.0#

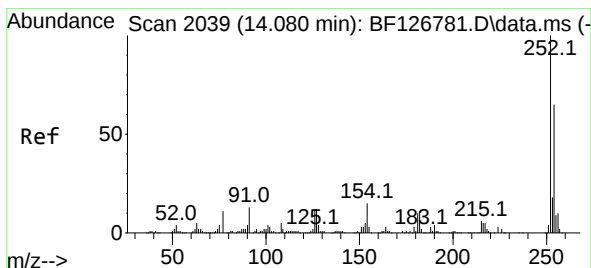
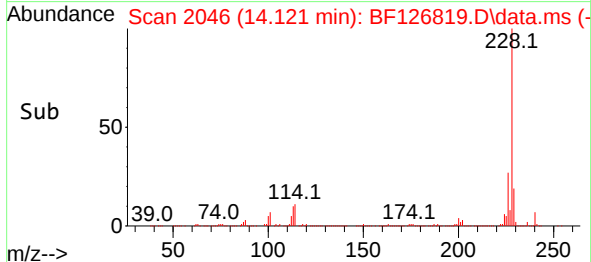
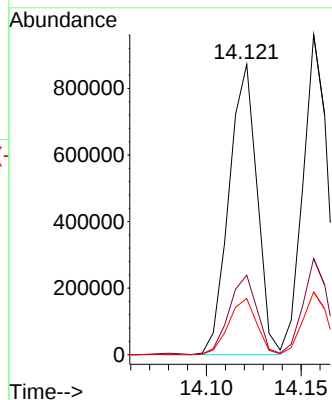
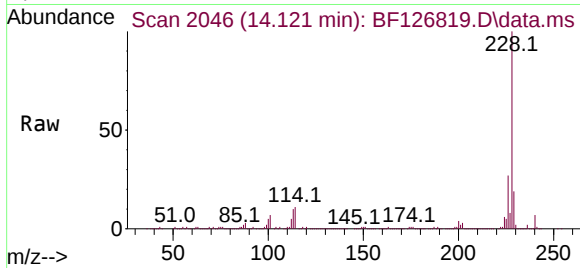




#81  
Benzo(a)anthracene  
Concen: 46.235 ng  
RT: 14.121 min Scan# 2046  
Delta R.T. -0.000 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

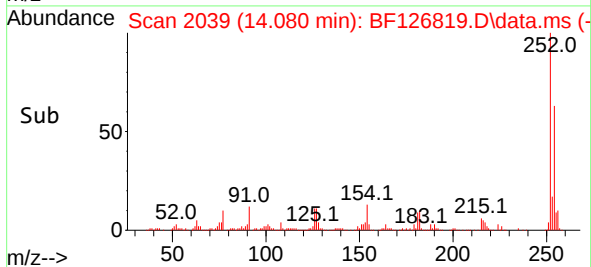
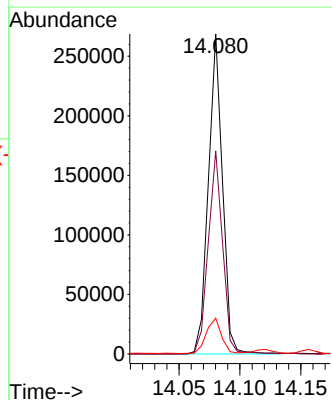
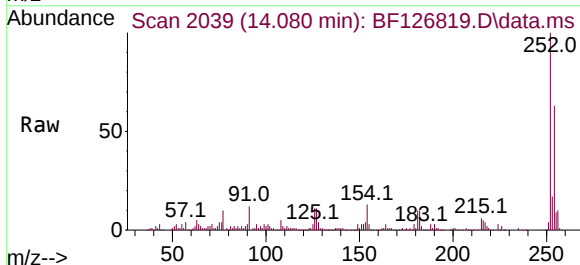
Instrument :  
BNA\_F  
ClientSampleId :  
DB-09(25-30)-02-02-22MSD

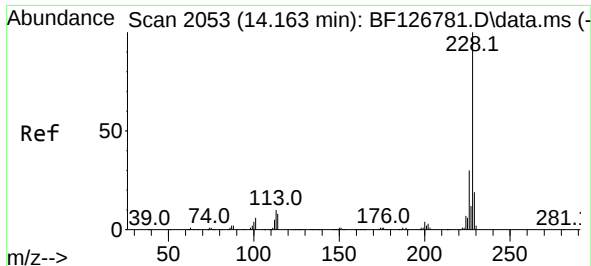
Tgt Ion:228 Resp: 896497  
Ion Ratio Lower Upper  
228 100  
226 27.4 21.4 32.0  
229 19.3 15.4 23.2



#82  
3,3'-Dichlorobenzidine  
Concen: 38.965 ng  
RT: 14.080 min Scan# 2039  
Delta R.T. -0.000 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

Tgt Ion:252 Resp: 216373  
Ion Ratio Lower Upper  
252 100  
254 63.4 51.0 76.4  
126 11.2 13.4 20.0#

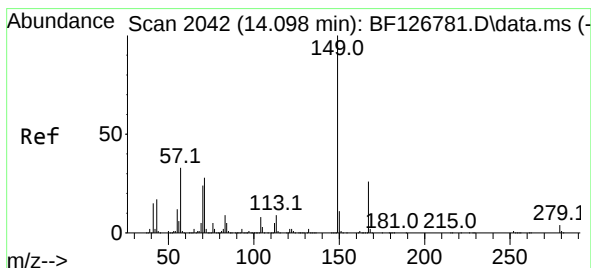
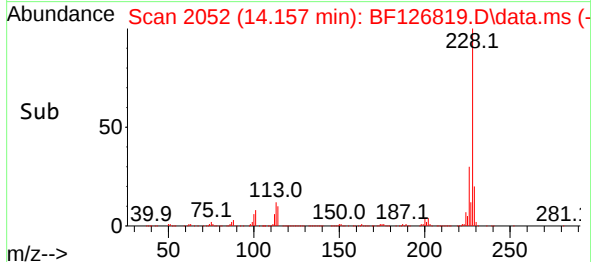
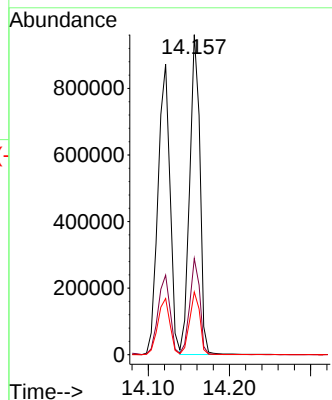
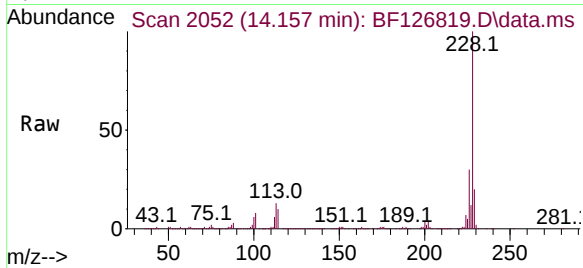




#83  
Chrysene  
Concen: 45.755 ng  
RT: 14.157 min Scan# 2052  
Delta R.T. -0.006 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

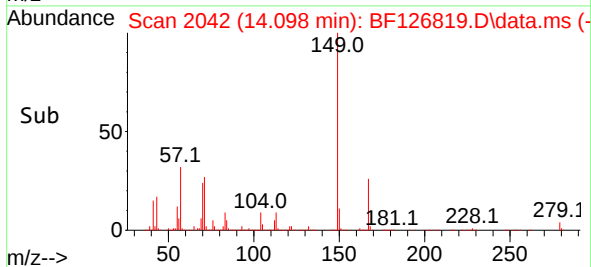
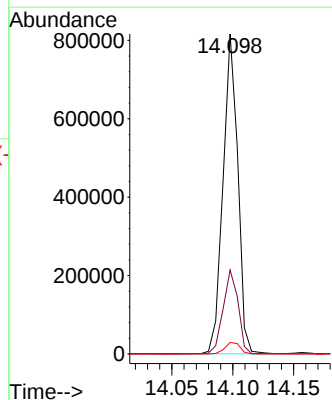
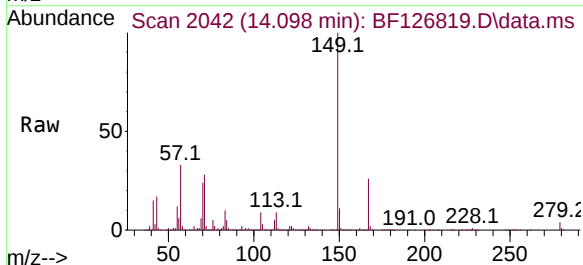
Instrument :  
BNA\_F  
ClientSampleId :  
DB-09(25-30)-02-02-22MSD

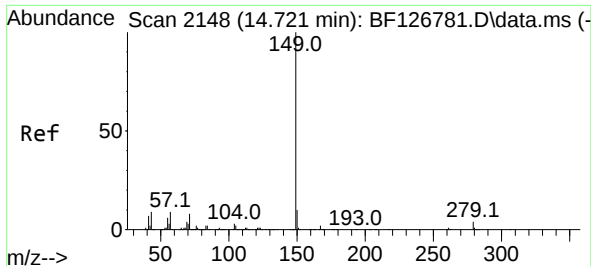
Tgt Ion:228 Resp: 840013  
Ion Ratio Lower Upper  
228 100  
226 30.0 23.7 35.5  
229 19.6 15.5 23.3



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 54.961 ng  
RT: 14.098 min Scan# 2042  
Delta R.T. -0.000 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

Tgt Ion:149 Resp: 689022  
Ion Ratio Lower Upper  
149 100  
167 26.2 21.4 32.2  
279 3.6 2.4 3.6

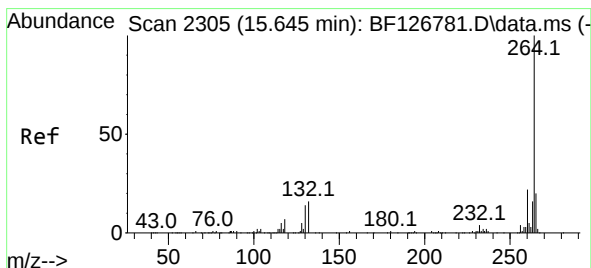
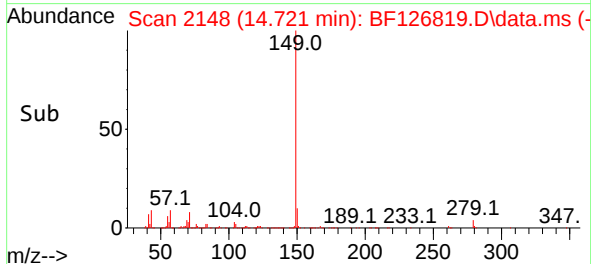
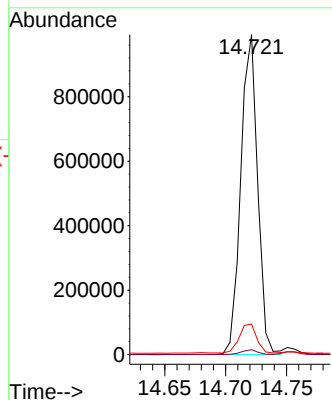
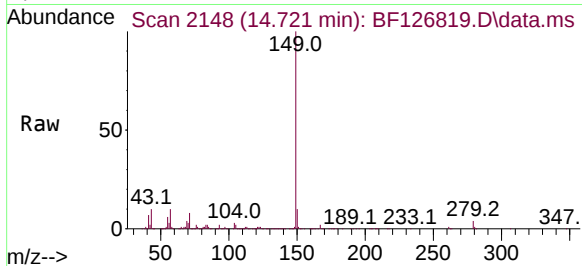




#85  
Di-n-octyl phthalate  
Concen: 53.340 ng  
RT: 14.721 min Scan# 2148  
Delta R.T. -0.000 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

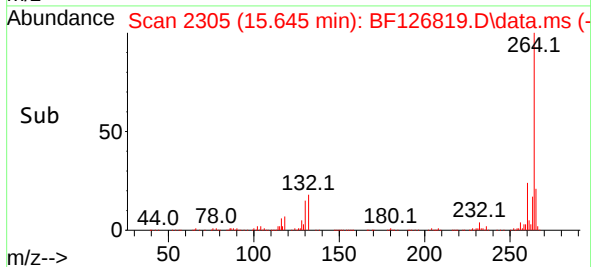
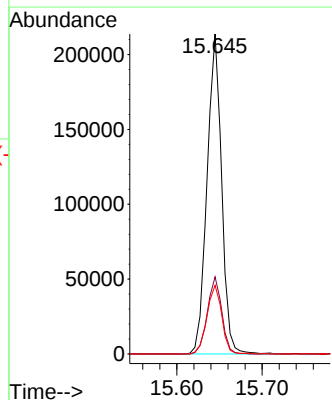
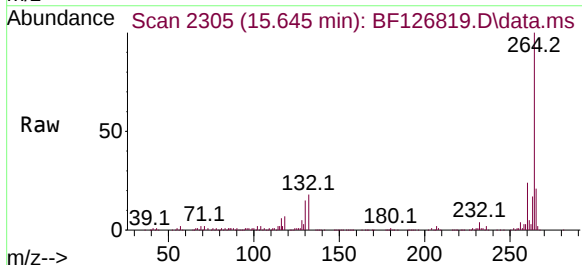
Instrument :  
BNA\_F  
ClientSampleId :  
DB-09(25-30)-02-02-22MSD

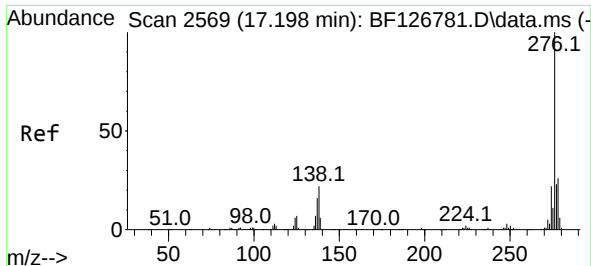
Tgt Ion:149 Resp: 953482  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.1 1.7  
43 9.3 9.9 14.9#



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.645 min Scan# 2305  
Delta R.T. -0.000 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

Tgt Ion:264 Resp: 253608  
Ion Ratio Lower Upper  
264 100  
260 24.1 19.2 28.8  
265 21.4 17.4 26.2

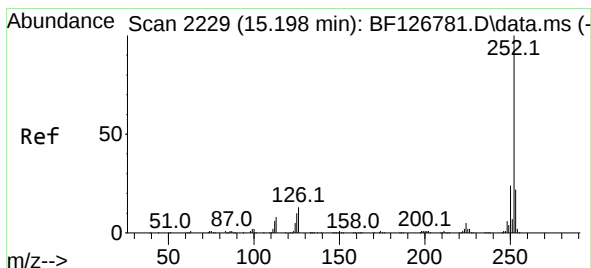
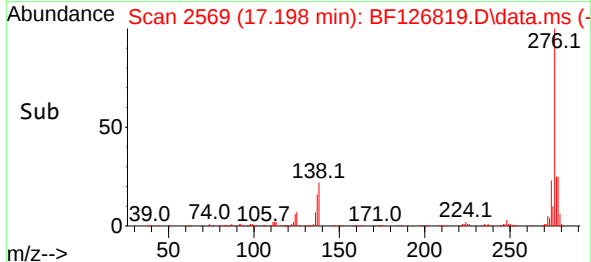
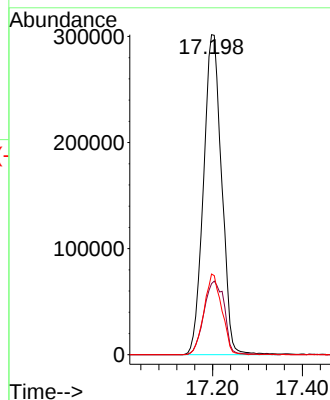
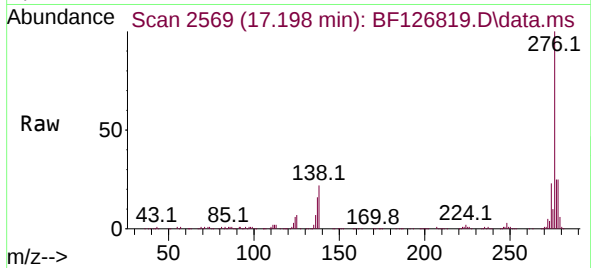




#87  
Indeno(1,2,3-cd)pyrene  
Concen: 54.719 ng  
RT: 17.198 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

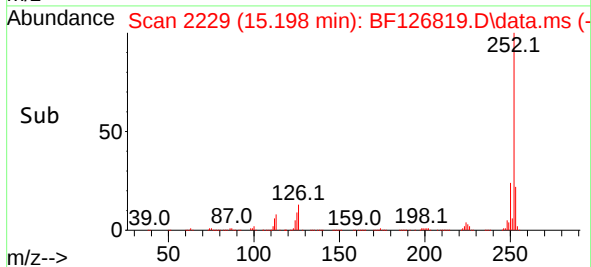
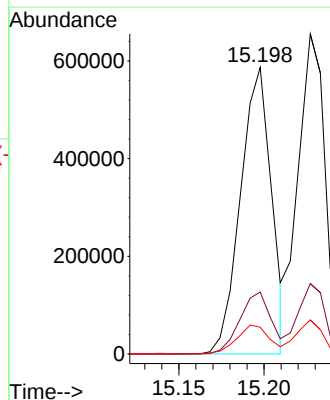
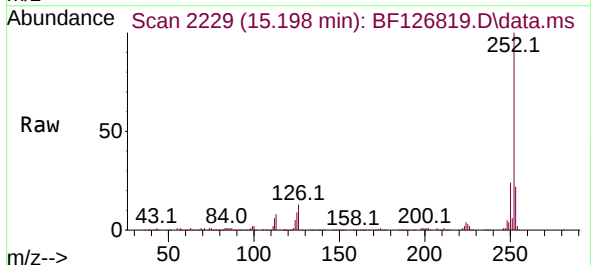
Instrument :  
BNA\_F  
ClientSampleId :  
DB-09(25-30)-02-02-22MSD

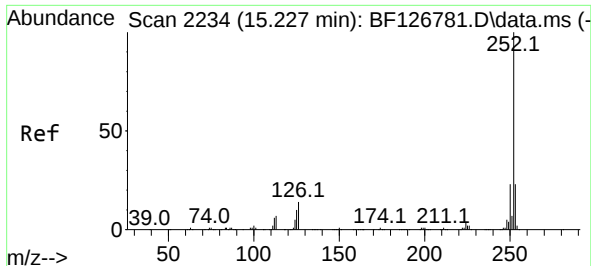
Tgt Ion:276 Resp: 846413  
Ion Ratio Lower Upper  
276 100  
138 26.0 29.2 43.8#  
277 24.7 19.8 29.8



#88  
Benzo(b)fluoranthene  
Concen: 44.636 ng  
RT: 15.198 min Scan# 2229  
Delta R.T. -0.000 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

Tgt Ion:252 Resp: 740184  
Ion Ratio Lower Upper  
252 100  
253 21.6 17.8 26.8  
125 9.3 12.4 18.6#

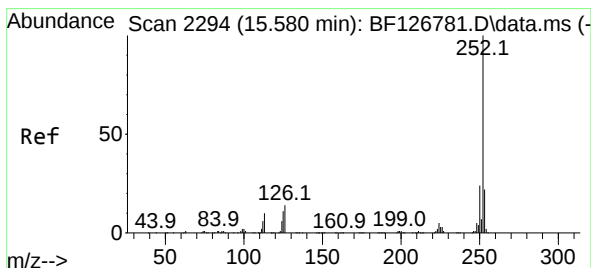
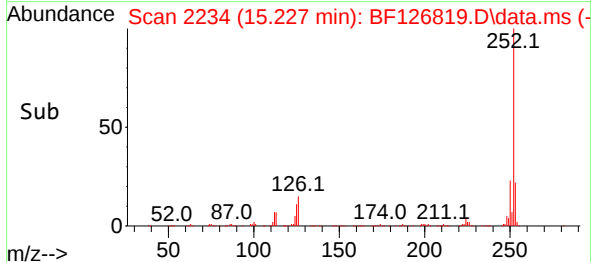
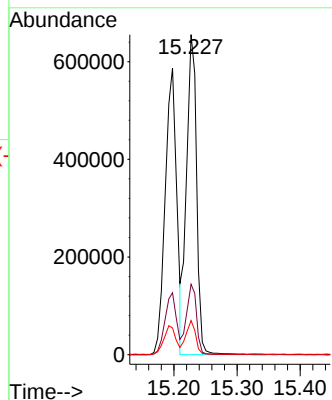
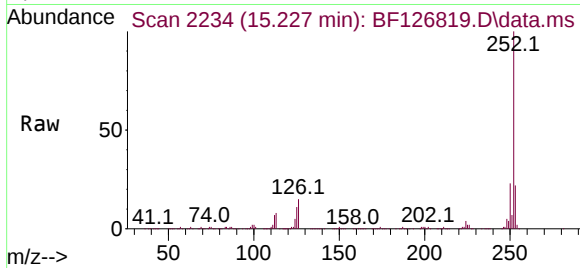




#89  
Benzo(k)fluoranthene  
Concen: 44.234 ng  
RT: 15.227 min Scan# 211  
Delta R.T. -0.000 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

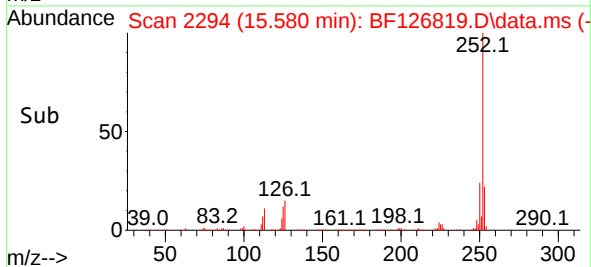
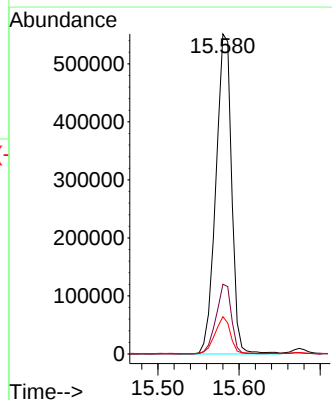
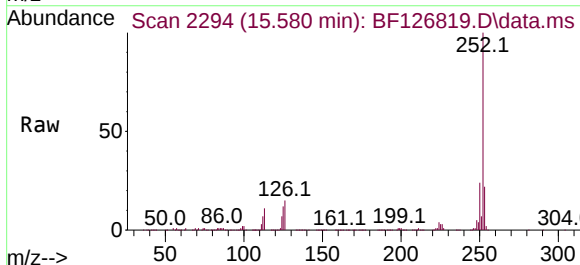
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BNA\_F  
ClientSampleId :  
DB-09(25-30)-02-02-22MSD

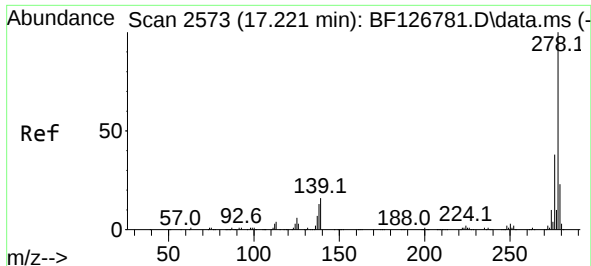
Tgt Ion:252 Resp: 731706  
Ion Ratio Lower Upper  
252 100  
253 22.0 17.5 26.3  
125 10.7 11.8 17.6#



#90  
Benzo(a)pyrene  
Concen: 56.286 ng  
RT: 15.580 min Scan# 2294  
Delta R.T. -0.000 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

Tgt Ion:252 Resp: 744039  
Ion Ratio Lower Upper  
252 100  
253 21.8 17.1 25.7  
125 11.7 13.0 19.6#

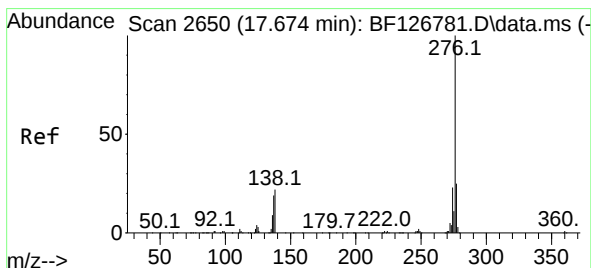
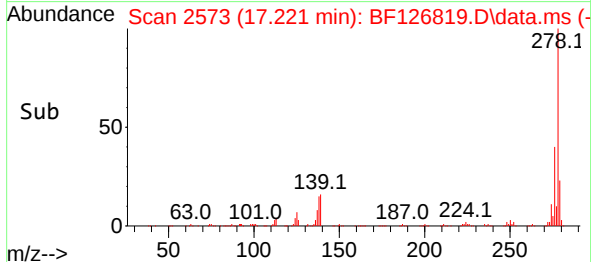
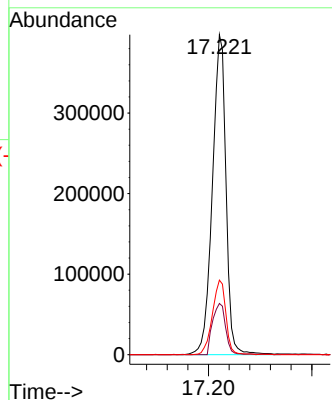
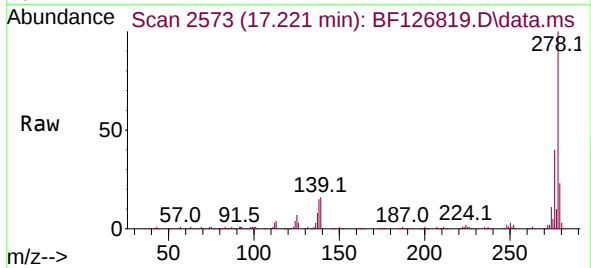




#91  
Dibenzo(a,h)anthracene  
Concen: 57.332 ng  
RT: 17.221 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

Instrument :  
BNA\_F  
ClientSampleId :  
DB-09(25-30)-02-02-22MSD

Tgt Ion:278 Resp: 726400  
Ion Ratio Lower Upper  
278 100  
139 16.0 18.0 27.0#  
279 23.3 18.6 27.8



#92  
Benzo(g,h,i)perylene  
Concen: 58.567 ng  
RT: 17.680 min Scan# 2651  
Delta R.T. 0.006 min  
Lab File: BF126819.D  
Acq: 04 Feb 2022 18:59

Tgt Ion:276 Resp: 732915  
Ion Ratio Lower Upper  
276 100  
277 23.3 18.5 27.7  
138 22.2 25.9 38.9#

