

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF080525\  
 Data File : BF143319.D  
 Acq On : 05 Aug 2025 16:54  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040EC

Quant Time: Aug 06 11:56:13 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF071725.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 17 15:14:05 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.969  | 152  | 115829   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.245  | 136  | 403036   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 10.004 | 164  | 172118   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.492 | 188  | 266991   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.133 | 240  | 225915   | 20.000 | ng    | 0.01     |
| 86) Perylene-d12              | 15.645 | 264  | 164343   | 20.000 | ng    | 0.02     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.598  | 112  | 598473   | 81.764 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.598  | 99   | 720943   | 78.253 | ng    | 0.01     |
| 23) Nitrobenzene-d5           | 7.528  | 82   | 692854   | 85.691 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.792 | 330  | 131149   | 73.759 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.322  | 172  | 1083208  | 86.070 | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.074 | 244  | 1044774  | 68.820 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.787  | 88   | 148776   | 42.956 | ng    | 99       |
| 3) Pyridine                   | 3.575  | 79   | 365673   | 40.678 | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.510  | 42   | 191235   | 41.203 | ng    | 96       |
| 6) Aniline                    | 6.628  | 93   | 487661   | 37.980 | ng    | 96       |
| 8) 2-Chlorophenol             | 6.757  | 128  | 304529   | 39.692 | ng    | 97       |
| 9) Benzaldehyde               | 6.516  | 77   | 299235   | 43.315 | ng    | 99       |
| 10) Phenol                    | 6.610  | 94   | 408897   | 40.741 | ng    | 92       |
| 11) bis(2-Chloroethyl)ether   | 6.693  | 93   | 311935   | 40.592 | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.910  | 146  | 330958   | 39.709 | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.987  | 146  | 332099   | 39.566 | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.140  | 146  | 315356   | 39.503 | ng    | 98       |
| 15) Benzyl Alcohol            | 7.104  | 79   | 272514   | 38.739 | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.234  | 45   | 562635   | 39.468 | ng    | 93       |
| 17) 2-Methylphenol            | 7.216  | 107  | 245244   | 38.016 | ng    | 99       |
| 18) Hexachloroethane          | 7.481  | 117  | 92374    | 31.791 | ng    | 99       |
| 19) n-Nitroso-di-n-propyla... | 7.375  | 70   | 217374   | 36.776 | ng    | 98       |
| 20) 3+4-Methylphenols         | 7.369  | 107  | 290249   | 37.084 | ng    | # 72     |
| 22) Acetophenone              | 7.369  | 105  | 396296   | 41.532 | ng    | 95       |
| 24) Nitrobenzene              | 7.545  | 77   | 321496   | 42.649 | ng    | 99       |
| 25) Isophorone                | 7.781  | 82   | 583128   | 40.854 | ng    | 99       |
| 26) 2-Nitrophenol             | 7.857  | 139  | 81014    | 24.763 | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 7.898  | 122  | 260882   | 39.121 | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 7.987  | 93   | 362892   | 42.404 | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.104  | 162  | 212334   | 37.756 | ng    | 100      |
| 30) 1,2,4-Trichlorobenzene    | 8.187  | 180  | 241950   | 39.822 | ng    | 100      |
| 31) Naphthalene               | 8.269  | 128  | 786998   | 39.649 | ng    | 100      |
| 32) Benzoic acid              | 7.975  | 122  | 45338    | 15.945 | ng    | 100      |
| 33) 4-Chloroaniline           | 8.310  | 127  | 320214   | 39.509 | ng    | 100      |
| 34) Hexachlorobutadiene       | 8.387  | 225  | 150342   | 40.507 | ng    | 100      |
| 35) Caprolactam               | 8.675  | 113  | 67702    | 39.838 | ng    | 98       |
| 36) 4-Chloro-3-methylphenol   | 8.792  | 107  | 212318   | 34.734 | ng    | 97       |
| 37) 2-Methylnaphthalene       | 8.957  | 142  | 450138   | 37.268 | ng    | 100      |
| 38) 1-Methylnaphthalene       | 9.057  | 142  | 463577   | 37.272 | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.128  | 216  | 218890   | 44.049 | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 9.116  | 237  | 10105    | 3.125  | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 9.239  | 196  | 127779   | 37.154 | ng    | 98       |

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 Sample : SSTDCCC040  
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Instrument :  
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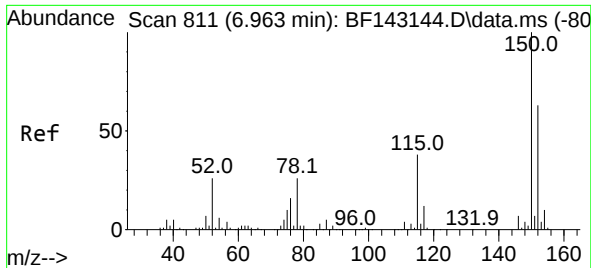
Quant Time: Aug 06 11:56:13 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF071725.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 17 15:14:05 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.281  | 196  | 129763   | 37.720 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 9.422  | 154  | 580633   | 43.239 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.451  | 162  | 411529   | 41.417 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.539  | 65   | 150901   | 48.428 | ng    | 99       |
| 49) Acenaphthylene            | 9.863  | 152  | 669468   | 40.205 | ng    | 100      |
| 50) Dimethylphthalate         | 9.716  | 163  | 495822   | 44.194 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.775  | 165  | 87635    | 38.398 | ng    | 99       |
| 52) Acenaphthene              | 10.039 | 154  | 375398   | 38.143 | ng    | 97       |
| 53) 3-Nitroaniline            | 9.945  | 138  | 131107   | 49.113 | ng    | 98       |
| 54) 2,4-Dinitrophenol         | 10.057 | 184  | 443      | 7.056  | ng    | # 1      |
| 55) Dibenzofuran              | 10.210 | 168  | 571344   | 39.101 | ng    | 98       |
| 56) 4-Nitrophenol             | 10.110 | 139  | 118907   | 59.649 | ng    | 94       |
| 57) 2,4-Dinitrotoluene        | 10.181 | 165  | 104606   | 36.532 | ng    | 94       |
| 58) Fluorene                  | 10.551 | 166  | 423115   | 38.582 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.328 | 232  | 104348   | 36.617 | ng    | 97       |
| 60) Diethylphthalate          | 10.416 | 149  | 461013   | 41.574 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.539 | 204  | 214710   | 39.319 | ng    | 99       |
| 62) 4-Nitroaniline            | 10.557 | 138  | 119776   | 52.351 | ng    | 98       |
| 63) Azobenzene                | 10.698 | 77   | 440989   | 38.157 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.592 | 198  | 1441     | 6.326  | ng    | # 64     |
| 66) n-Nitrosodiphenylamine    | 10.657 | 169  | 376391   | 40.035 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 11.033 | 248  | 123055   | 38.674 | ng    | 96       |
| 68) Hexachlorobenzene         | 11.104 | 284  | 123569   | 37.156 | ng    | 99       |
| 69) Atrazine                  | 11.180 | 200  | 97197    | 37.500 | ng    | 99       |
| 70) Pentachlorophenol         | 11.298 | 266  | 58301    | 29.810 | ng    | 100      |
| 71) Phenanthrene              | 11.516 | 178  | 566802   | 39.982 | ng    | 99       |
| 72) Anthracene                | 11.569 | 178  | 590204   | 40.821 | ng    | 99       |
| 73) Carbazole                 | 11.716 | 167  | 564156   | 44.686 | ng    | 100      |
| 74) Di-n-butylphthalate       | 12.045 | 149  | 658512   | 46.098 | ng    | 99       |
| 75) Fluoranthene              | 12.704 | 202  | 656053   | 50.419 | ng    | 99       |
| 77) Benzidine                 | 12.822 | 184  | 221504   | 25.449 | ng    | 99       |
| 78) Pyrene                    | 12.939 | 202  | 671894   | 34.848 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.545 | 149  | 291998   | 49.458 | ng    | 99       |
| 81) Benzo(a)anthracene        | 14.121 | 228  | 606515   | 40.100 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 14.080 | 252  | 192778   | 38.242 | ng    | 99       |
| 83) Chrysene                  | 14.163 | 228  | 515742   | 37.926 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 14.104 | 149  | 418675   | 46.851 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.721 | 149  | 678536   | 41.890 | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 17.198 | 276  | 386942   | 33.390 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.198 | 252  | 419253   | 41.759 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.227 | 252  | 420715   | 46.960 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.580 | 252  | 373155   | 40.340 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 17.209 | 278  | 315027   | 33.399 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.662 | 276  | 306065   | 33.545 | ng    | 98       |

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

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QLast Update : Thu Jul 17 15:14:05 2025  
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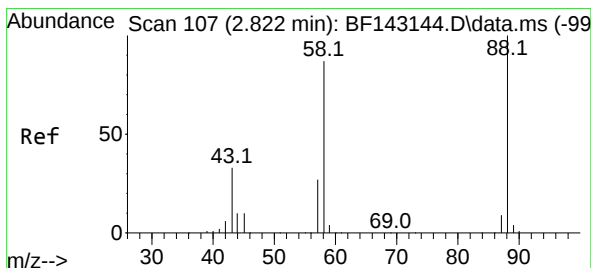
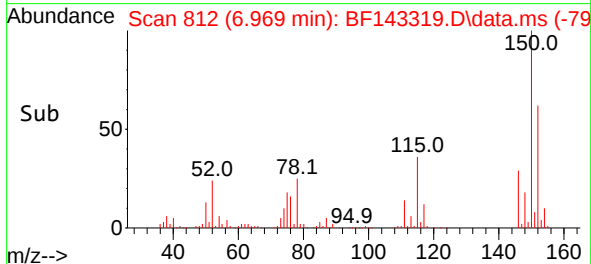
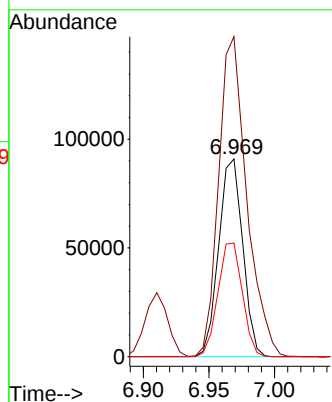
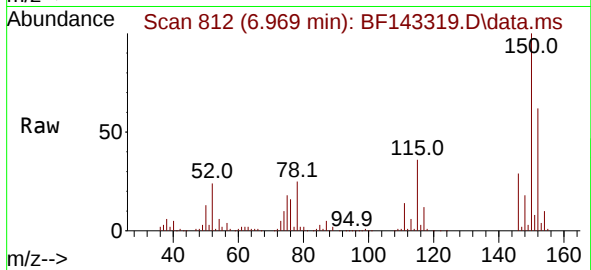




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.969 min Scan# 81  
 Delta R.T. 0.006 min  
 Lab File: BF143319.D  
 Acq: 05 Aug 2025 16:54

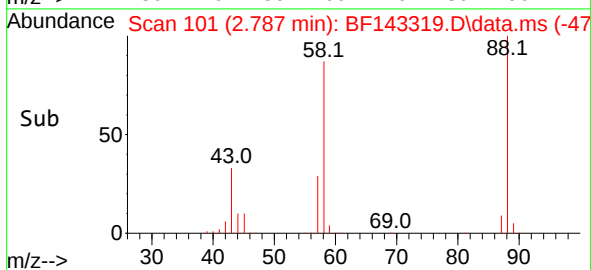
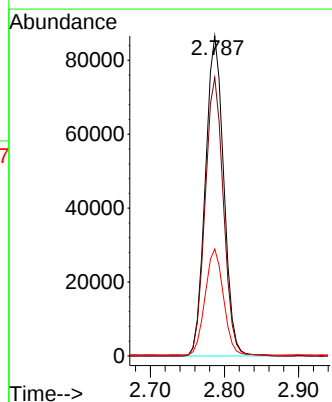
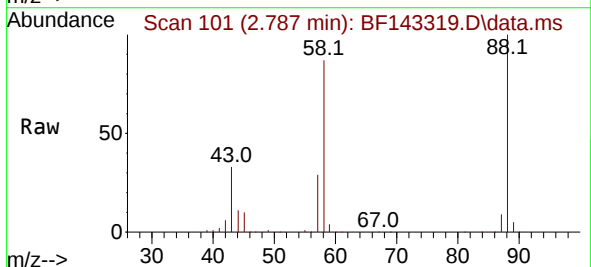
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040EC

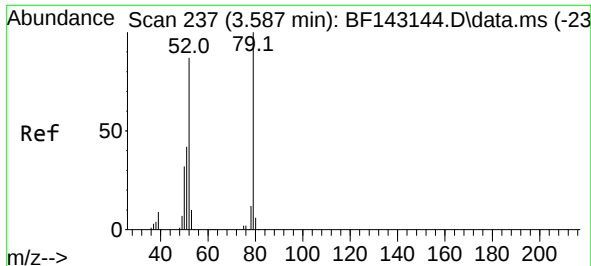
Tgt Ion:152 Resp: 115829  
 Ion Ratio Lower Upper  
 152 100  
 150 161.8 128.2 192.4  
 115 57.5 47.9 71.9



#2  
 1,4-Dioxane  
 Concen: 42.956 ng  
 RT: 2.787 min Scan# 101  
 Delta R.T. -0.035 min  
 Lab File: BF143319.D  
 Acq: 05 Aug 2025 16:54

Tgt Ion: 88 Resp: 148776  
 Ion Ratio Lower Upper  
 88 100  
 58 86.9 70.2 105.2  
 43 33.1 27.1 40.7

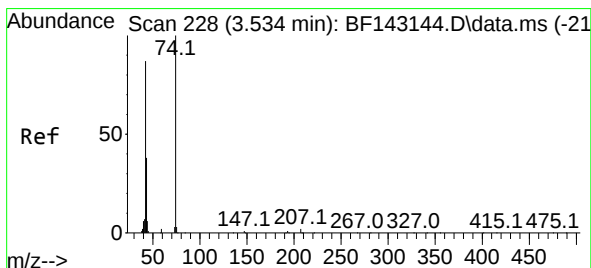
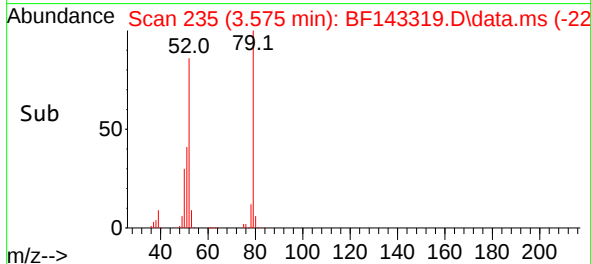
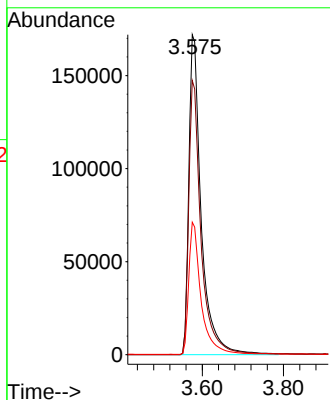
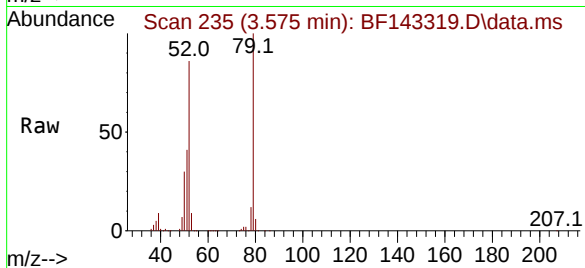




#3  
 Pyridine  
 Concen: 40.678 ng  
 RT: 3.575 min Scan# 21  
 Delta R.T. -0.012 min  
 Lab File: BF143319.D  
 Acq: 05 Aug 2025 16:54

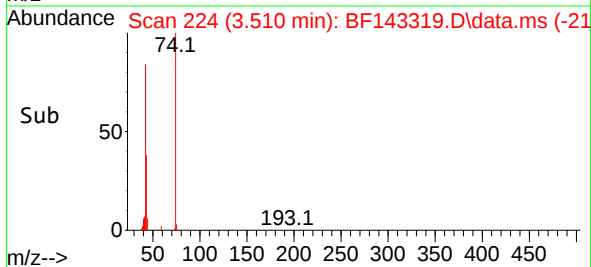
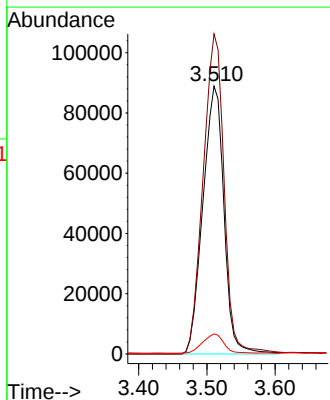
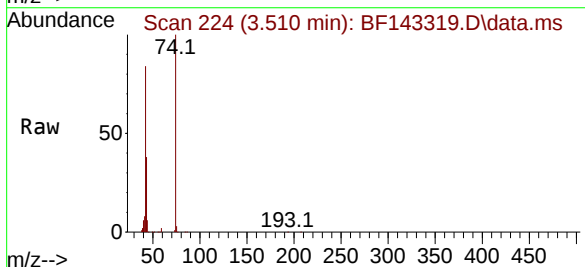
Instrument :  
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 ClientSampleId :  
 SSTDCCC040EC

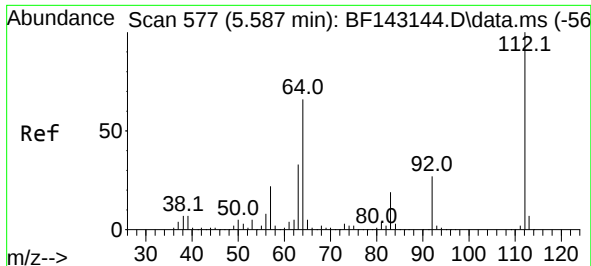
Tgt Ion: 79 Resp: 365673  
 Ion Ratio Lower Upper  
 79 100  
 52 85.6 69.4 104.2  
 51 41.4 33.5 50.3



#4  
 n-Nitrosodimethylamine  
 Concen: 41.203 ng  
 RT: 3.510 min Scan# 224  
 Delta R.T. -0.023 min  
 Lab File: BF143319.D  
 Acq: 05 Aug 2025 16:54

Tgt Ion: 42 Resp: 191235  
 Ion Ratio Lower Upper  
 42 100  
 74 119.4 91.7 137.5  
 44 7.4 5.6 8.4

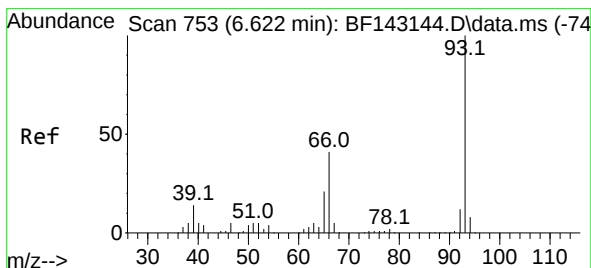
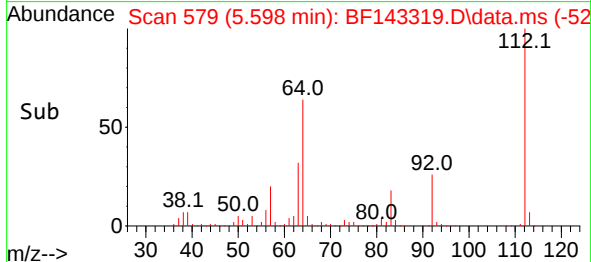
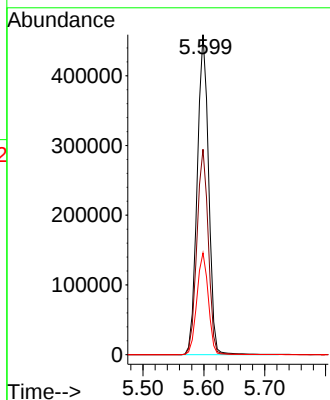
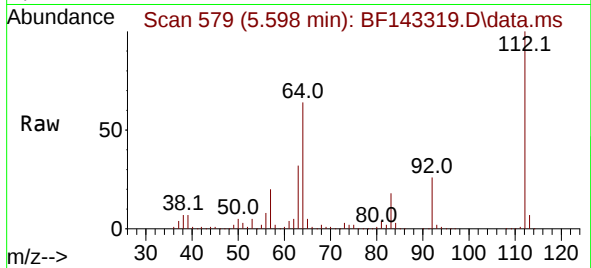




#5  
2-Fluorophenol  
Concen: 81.764 ng  
RT: 5.598 min Scan# 51  
Delta R.T. 0.012 min  
Lab File: BF143319.D  
Acq: 05 Aug 2025 16:54

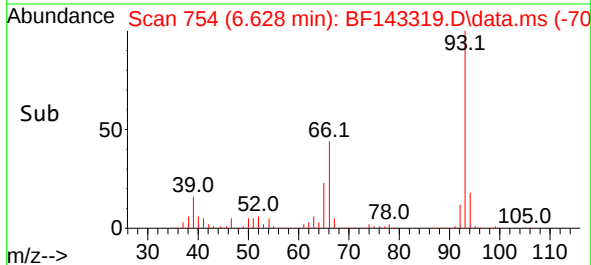
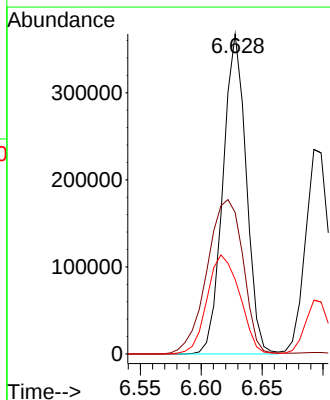
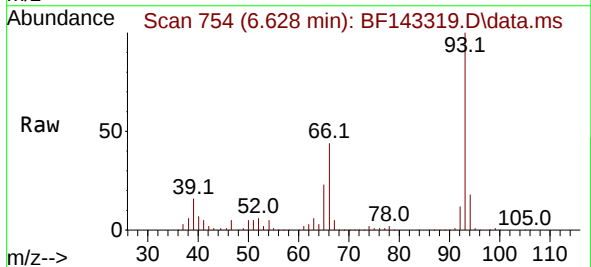
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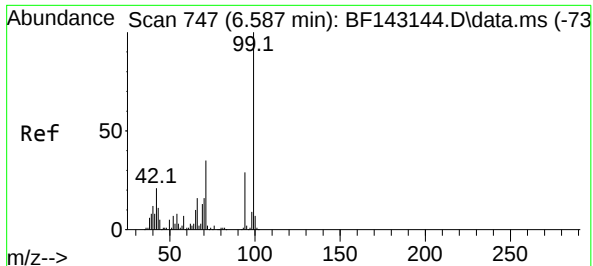
Tgt Ion:112 Resp: 598473  
Ion Ratio Lower Upper  
112 100  
64 64.2 53.1 79.7  
63 31.8 26.6 40.0



#6  
Aniline  
Concen: 37.980 ng  
RT: 6.628 min Scan# 754  
Delta R.T. 0.006 min  
Lab File: BF143319.D  
Acq: 05 Aug 2025 16:54

Tgt Ion: 93 Resp: 487661  
Ion Ratio Lower Upper  
93 100  
66 44.2 33.2 49.8  
65 23.3 16.9 25.3

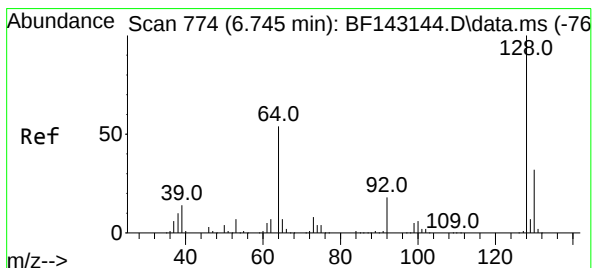
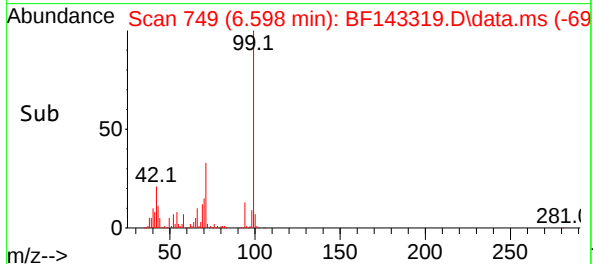
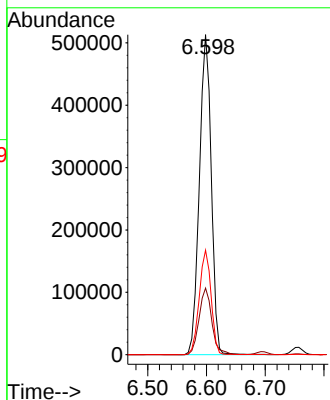
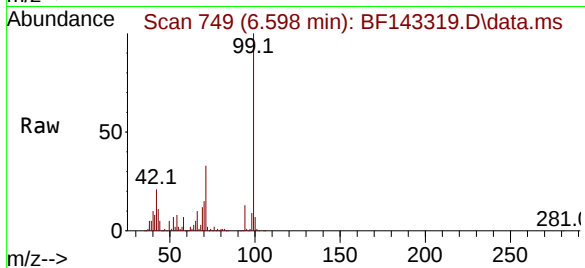




#7  
Phenol-d6  
Concen: 78.253 ng  
RT: 6.598 min Scan# 747  
Delta R.T. 0.012 min  
Lab File: BF143319.D  
Acq: 05 Aug 2025 16:54

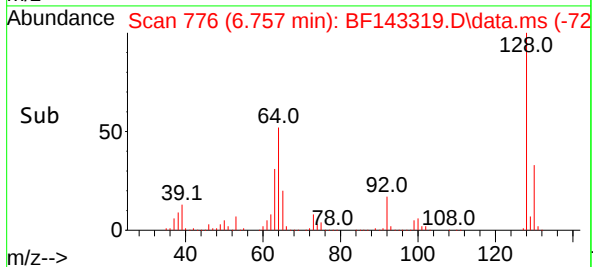
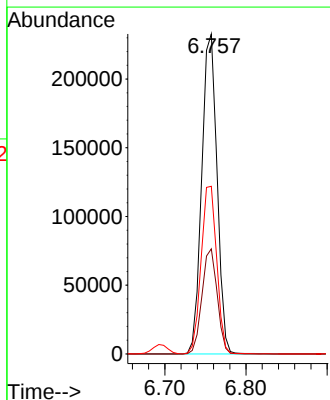
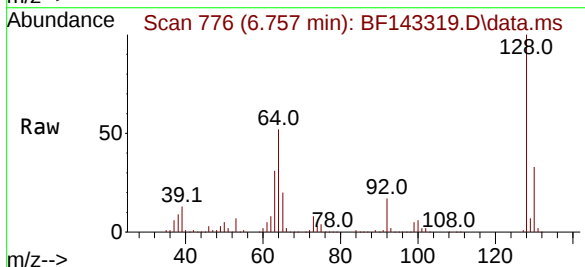
Instrument :  
BNA\_F  
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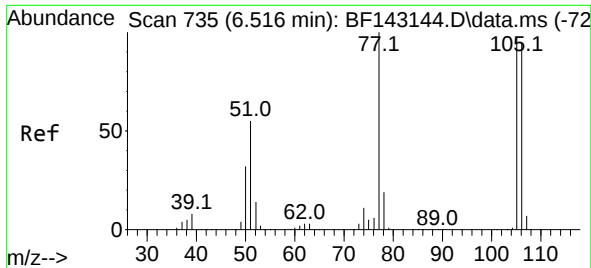
Tgt Ion: 99 Resp: 720943  
Ion Ratio Lower Upper  
99 100  
42 20.8 17.0 25.6  
71 32.6 27.7 41.5



#8  
2-Chlorophenol  
Concen: 39.692 ng  
RT: 6.757 min Scan# 776  
Delta R.T. 0.012 min  
Lab File: BF143319.D  
Acq: 05 Aug 2025 16:54

Tgt Ion: 128 Resp: 304529  
Ion Ratio Lower Upper  
128 100  
130 32.9 12.3 52.3  
64 52.4 35.9 75.9

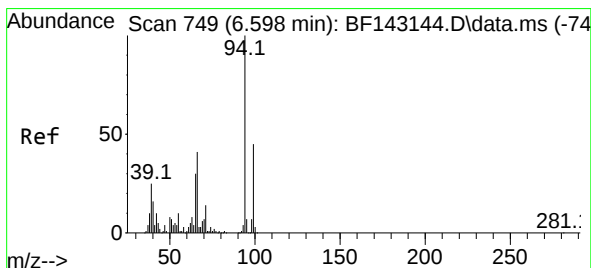
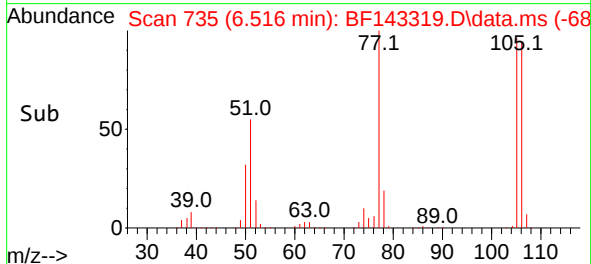
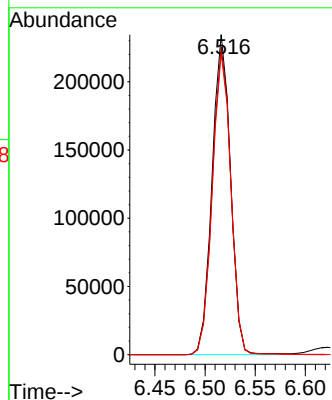
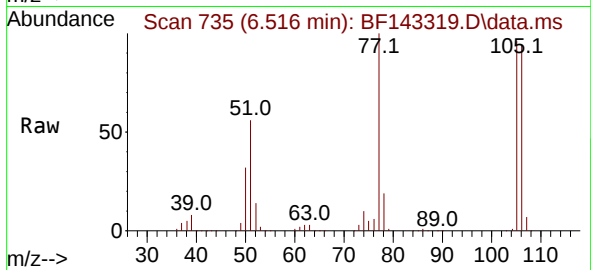




#9  
Benzaldehyde  
Concen: 43.315 ng  
RT: 6.516 min Scan# 711  
Delta R.T. 0.000 min  
Lab File: BF143319.D  
Acq: 05 Aug 2025 16:54

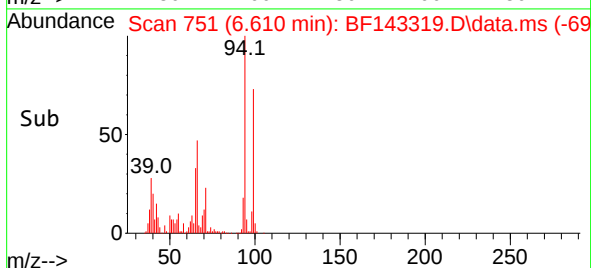
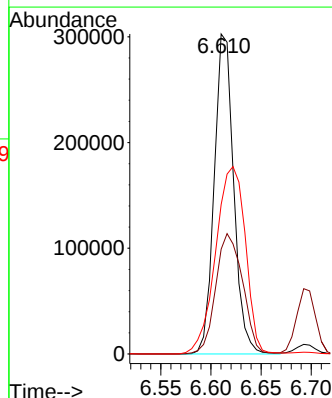
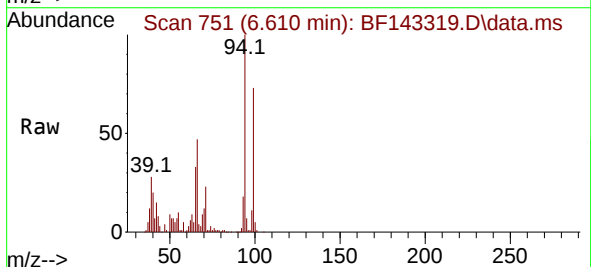
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040EC

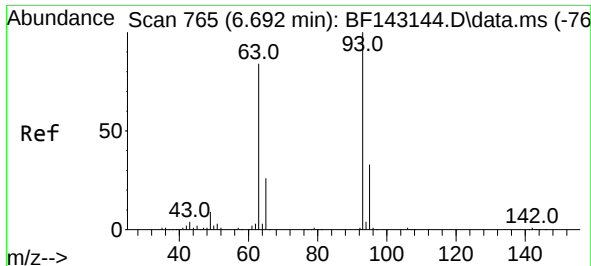
Tgt Ion: 77 Resp: 299235  
Ion Ratio Lower Upper  
77 100  
105 96.1 76.8 116.8  
106 94.1 74.4 114.4



#10  
Phenol  
Concen: 40.741 ng  
RT: 6.610 min Scan# 751  
Delta R.T. 0.012 min  
Lab File: BF143319.D  
Acq: 05 Aug 2025 16:54

Tgt Ion: 94 Resp: 408897  
Ion Ratio Lower Upper  
94 100  
65 32.7 10.0 50.0  
66 46.7 20.8 60.8





#11

bis(2-Chloroethyl)ether

Concen: 40.592 ng

RT: 6.693 min Scan# 7

Delta R.T. 0.000 min

Lab File: BF143319.D

Acq: 05 Aug 2025 16:54

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040EC

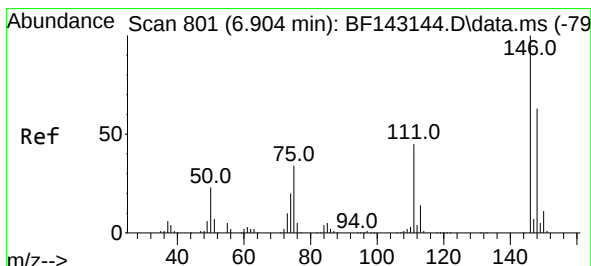
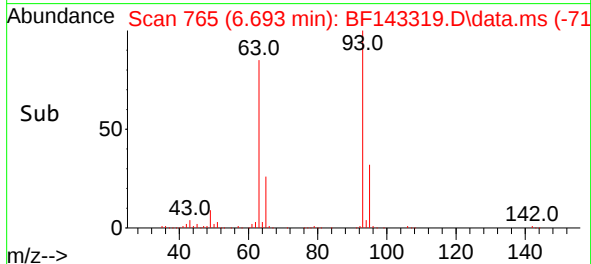
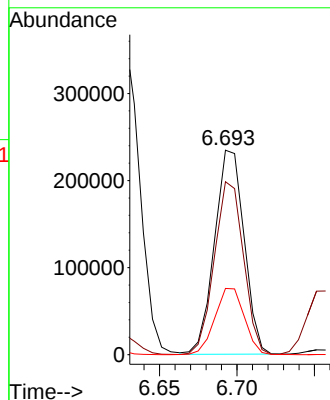
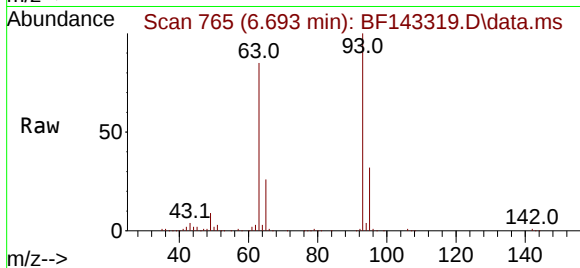
Tgt Ion: 93 Resp: 311935

Ion Ratio Lower Upper

93 100

63 84.6 63.4 103.4

95 32.4 12.4 52.4



#12

1,3-Dichlorobenzene

Concen: 39.709 ng

RT: 6.910 min Scan# 802

Delta R.T. 0.006 min

Lab File: BF143319.D

Acq: 05 Aug 2025 16:54

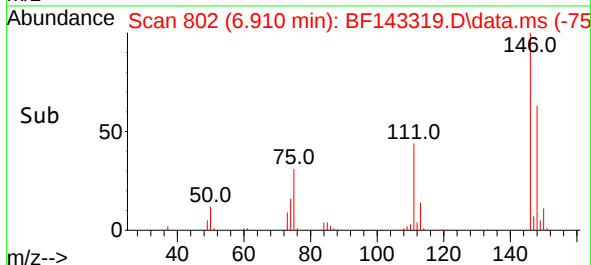
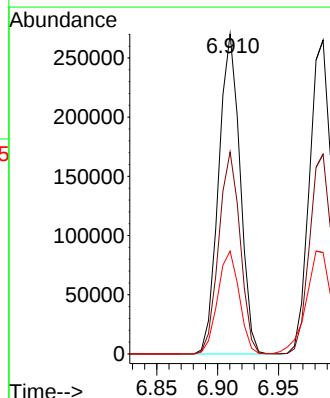
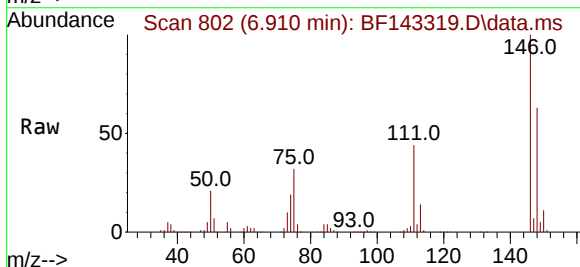
Tgt Ion:146 Resp: 330958

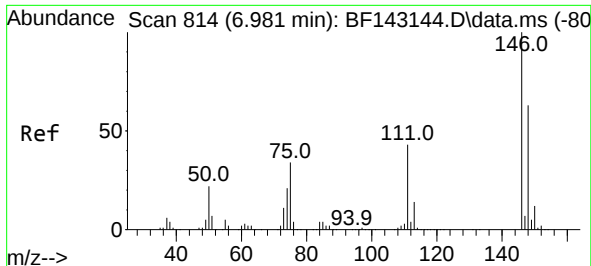
Ion Ratio Lower Upper

146 100

148 63.2 50.6 76.0

75 32.2 27.4 41.2

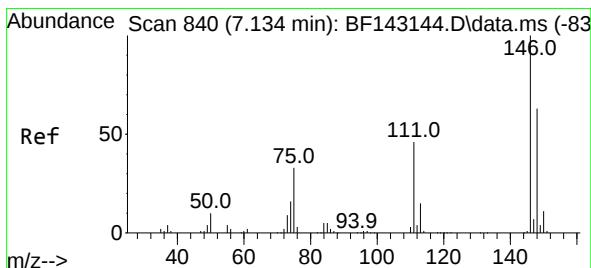
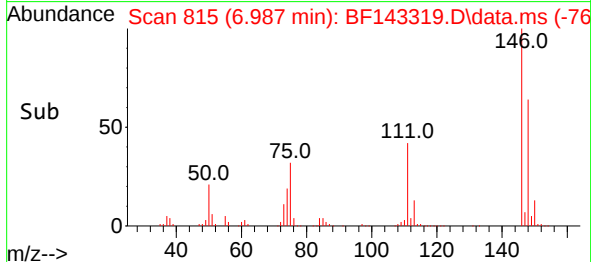
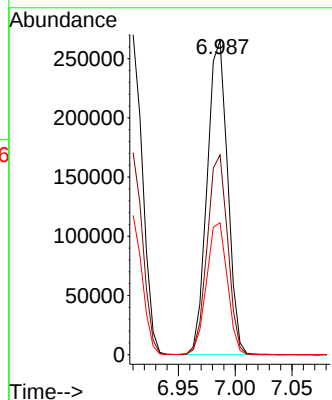
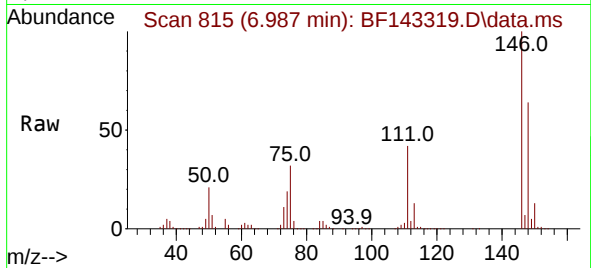




#13  
1,4-Dichlorobenzene  
Concen: 39.566 ng  
RT: 6.987 min Scan# 814  
Delta R.T. 0.006 min  
Lab File: BF143319.D  
Acq: 05 Aug 2025 16:54

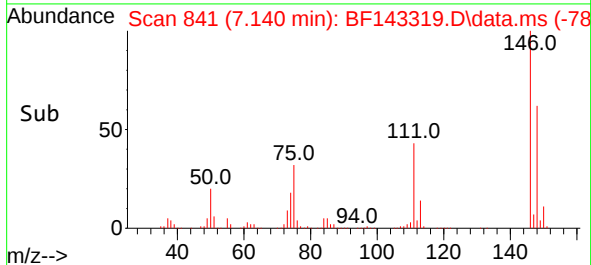
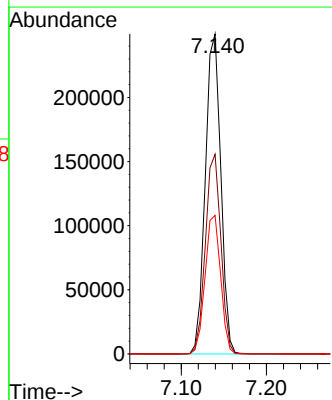
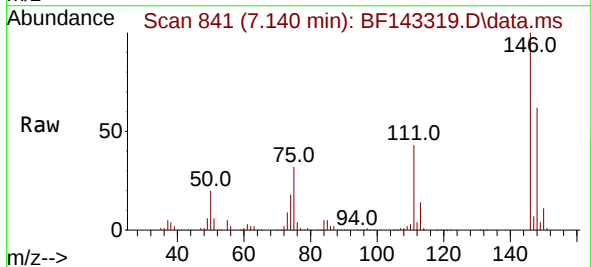
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040EC

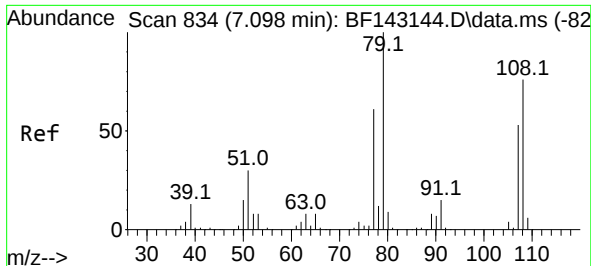
Tgt Ion:146 Resp: 332099  
Ion Ratio Lower Upper  
146 100  
148 63.7 50.3 75.5  
111 42.0 34.4 51.6



#14  
1,2-Dichlorobenzene  
Concen: 39.503 ng  
RT: 7.140 min Scan# 841  
Delta R.T. 0.006 min  
Lab File: BF143319.D  
Acq: 05 Aug 2025 16:54

Tgt Ion:146 Resp: 315356  
Ion Ratio Lower Upper  
146 100  
148 62.4 50.7 76.1  
111 43.3 36.6 54.8



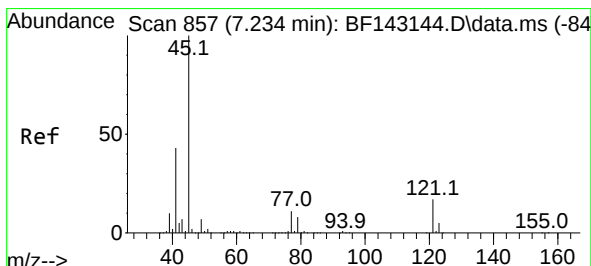
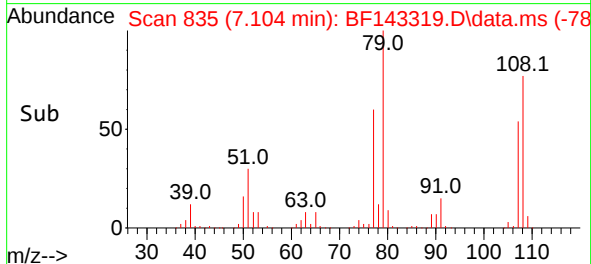
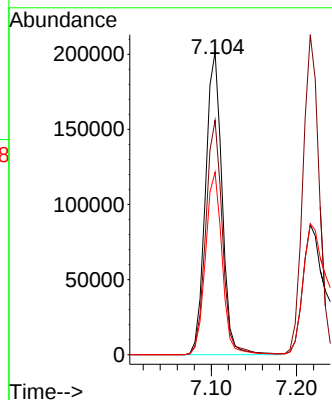
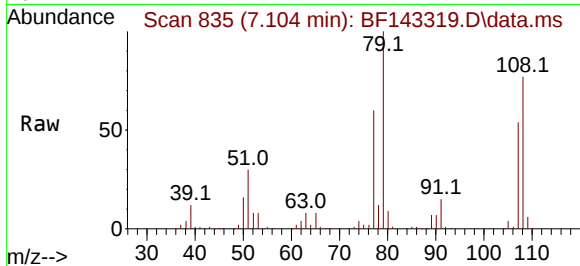


#15  
Benzyl Alcohol  
Concen: 38.739 ng  
RT: 7.104 min Scan# 81  
Delta R.T. 0.006 min  
Lab File: BF143319.D  
Acq: 05 Aug 2025 16:54

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040EC

Tgt Ion: 79 Resp: 272514

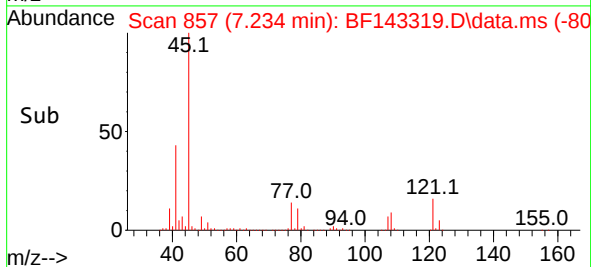
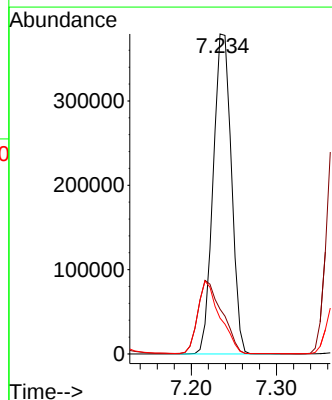
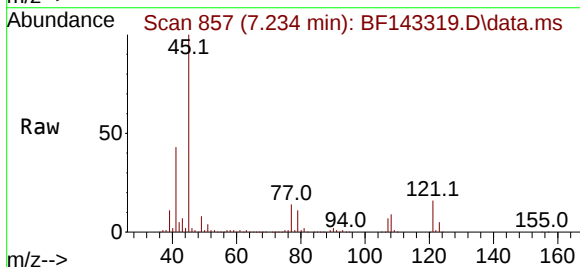
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 79  | 100   |       |       |
| 108 | 77.4  | 61.1  | 91.7  |
| 77  | 60.3  | 48.9  | 73.3  |

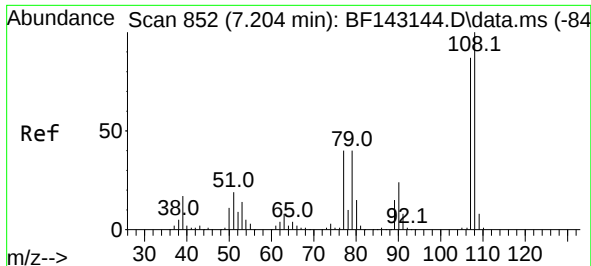


#16  
2,2'-oxybis(1-chloropropane)  
Concen: 39.468 ng  
RT: 7.234 min Scan# 857  
Delta R.T. 0.000 min  
Lab File: BF143319.D  
Acq: 05 Aug 2025 16:54

Tgt Ion: 45 Resp: 562635

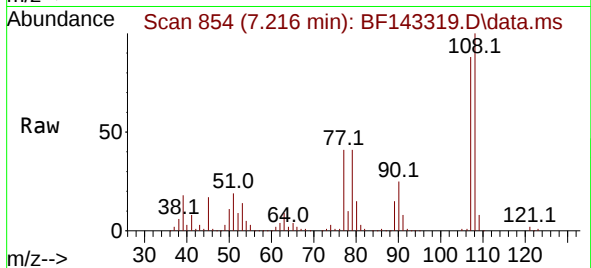
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 45  | 100   |       |       |
| 77  | 14.0  | 0.0   | 31.2  |
| 79  | 11.2  | 0.0   | 28.5  |



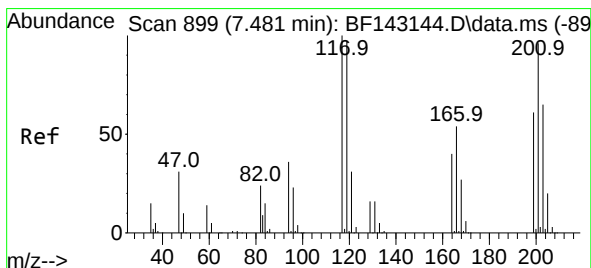
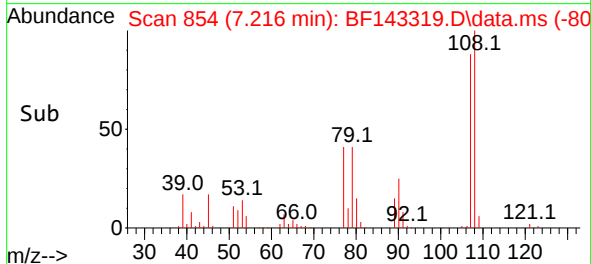
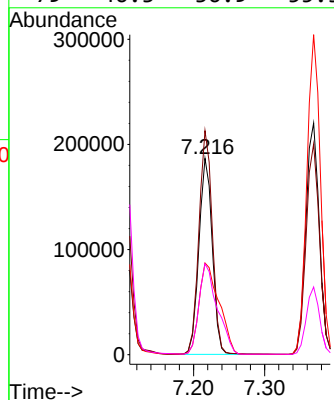


#17  
2-Methylphenol  
Concen: 38.016 ng  
RT: 7.216 min Scan# 854  
Delta R.T. 0.012 min  
Lab File: BF143319.D  
Acq: 05 Aug 2025 16:54

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040EC

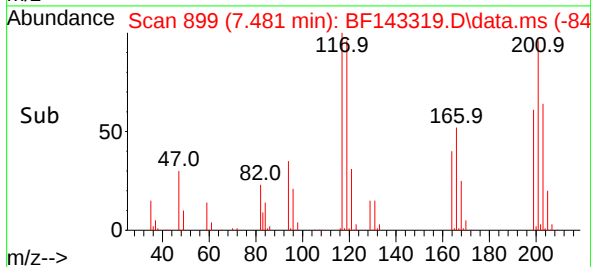
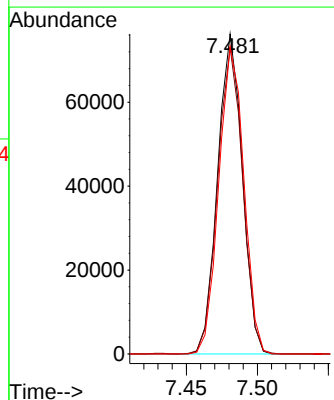
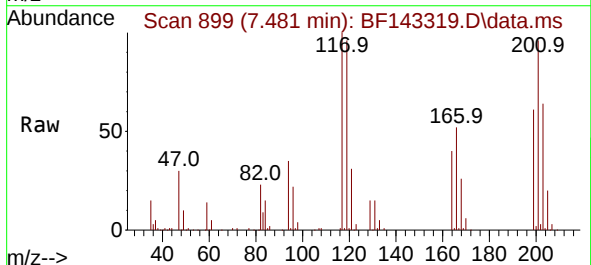


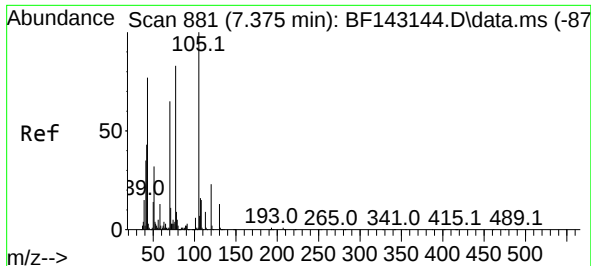
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 114.1 | 91.8  | 137.6 |
| 77      | 46.7  | 37.0  | 55.6  |
| 79      | 46.3  | 36.9  | 55.3  |



#18  
Hexachloroethane  
Concen: 31.791 ng  
RT: 7.481 min Scan# 899  
Delta R.T. 0.000 min  
Lab File: BF143319.D  
Acq: 05 Aug 2025 16:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 95.8  | 77.8  | 116.8 |
| 201     | 96.0  | 77.0  | 115.4 |



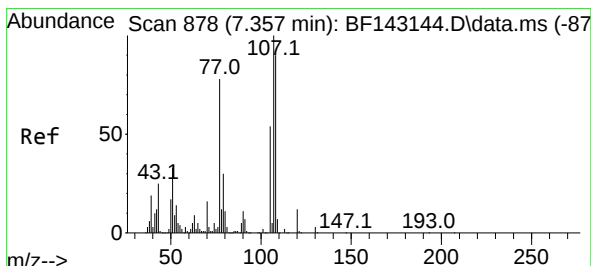
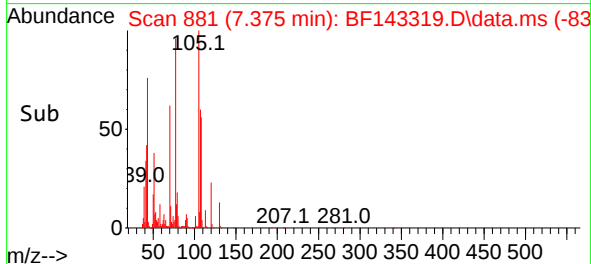
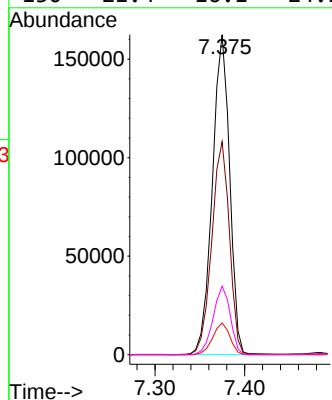
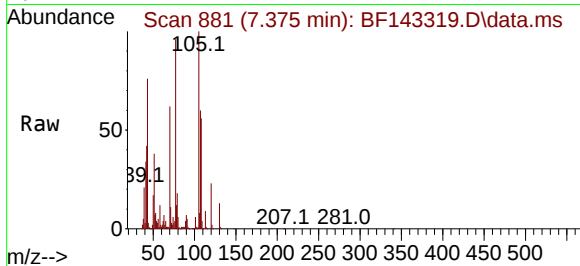


#19  
n-Nitroso-di-n-propylamine  
Concen: 36.776 ng  
RT: 7.375 min Scan# 881  
Delta R.T. 0.000 min  
Lab File: BF143319.D  
Acq: 05 Aug 2025 16:54

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040EC

Tgt Ion: 70 Resp: 217374

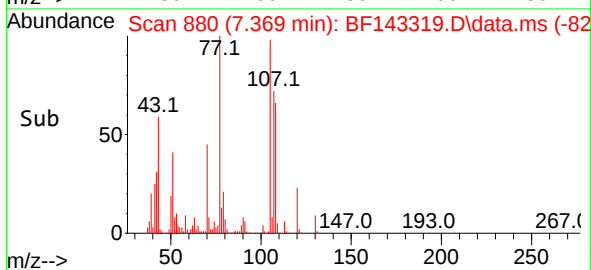
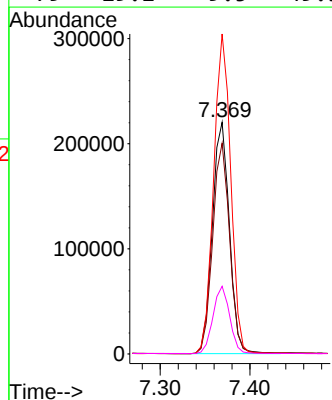
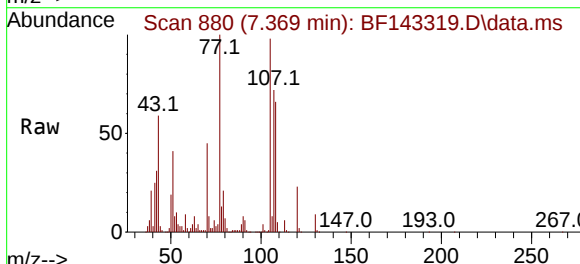
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 66.5  | 52.5  | 78.7  |
| 101 | 9.9   | 7.6   | 11.4  |
| 130 | 21.4  | 16.1  | 24.1  |

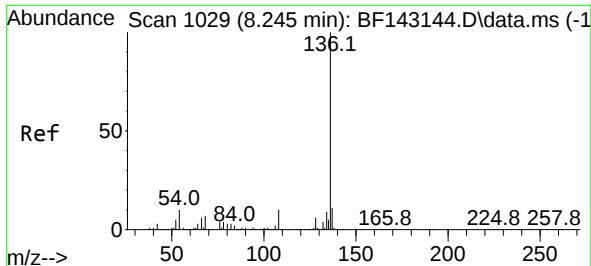


#20  
3+4-Methylphenols  
Concen: 37.084 ng  
RT: 7.369 min Scan# 880  
Delta R.T. 0.012 min  
Lab File: BF143319.D  
Acq: 05 Aug 2025 16:54

Tgt Ion: 107 Resp: 290249

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 107 | 100   |       |       |
| 108 | 90.9  | 70.0  | 110.0 |
| 77  | 138.1 | 57.8  | 97.8# |
| 79  | 29.2  | 9.5   | 49.5  |

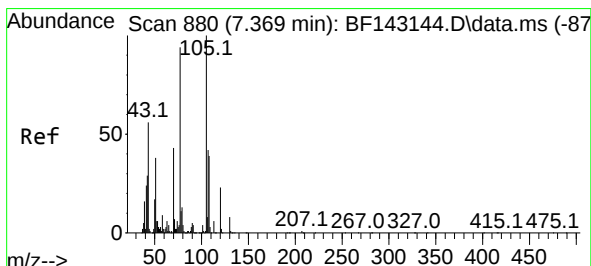
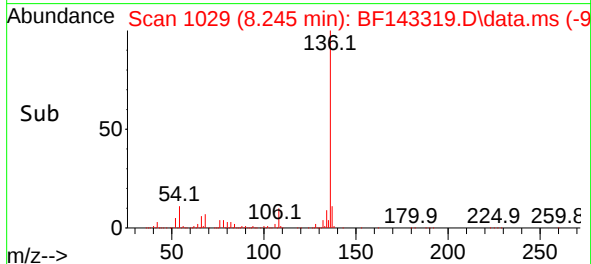
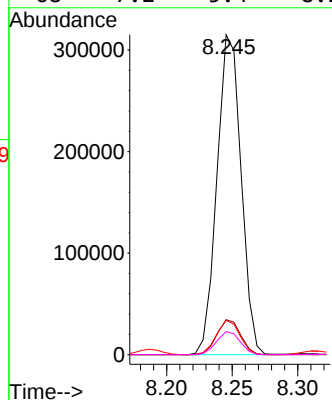
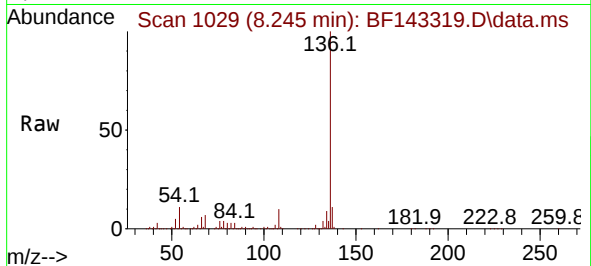




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.245 min Scan# 1029  
Delta R.T. 0.000 min  
Lab File: BF143319.D  
Acq: 05 Aug 2025 16:54

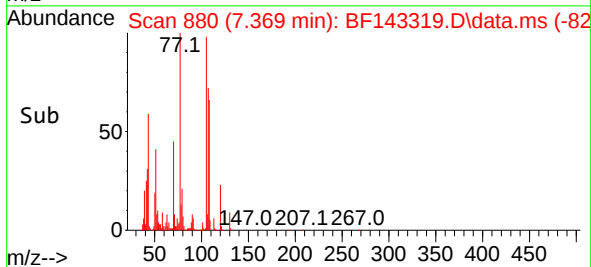
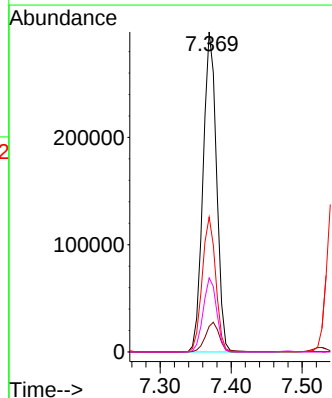
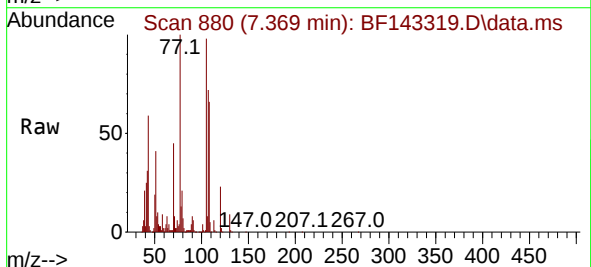
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040EC

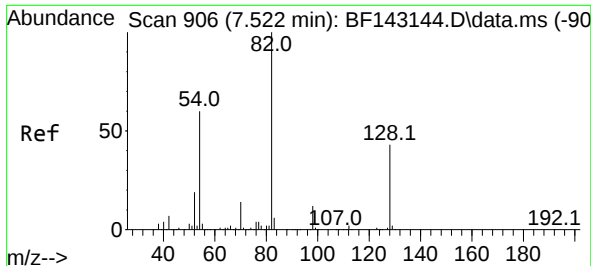
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 403036 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 11.0  | 8.6   | 13.0   |
| 54        | 10.7  | 8.2   | 12.2   |
| 68        | 7.2   | 5.4   | 8.2    |



#22  
Acetophenone  
Concen: 41.532 ng  
RT: 7.369 min Scan# 880  
Delta R.T. 0.000 min  
Lab File: BF143319.D  
Acq: 05 Aug 2025 16:54

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 396296 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 71        | 8.0   | 5.8   | 8.6    |
| 51        | 42.2  | 30.2  | 45.2   |
| 120       | 23.1  | 18.2  | 27.4   |





#23

Nitrobenzene-d5

Concen: 85.691 ng

RT: 7.528 min Scan# 90

Delta R.T. 0.006 min

Lab File: BF143319.D

Acq: 05 Aug 2025 16:54

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040EC

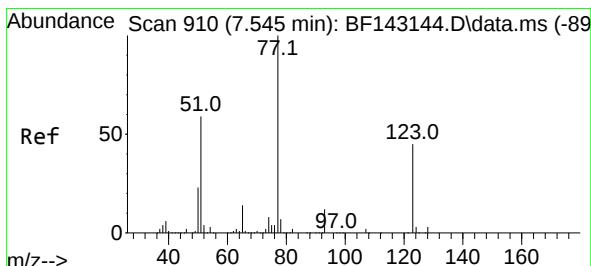
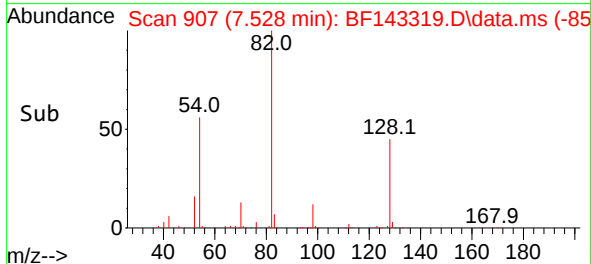
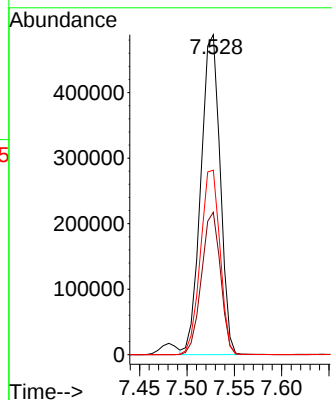
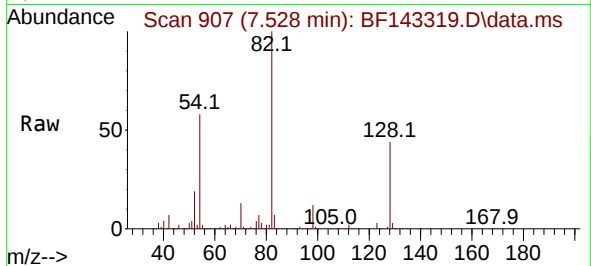
Tgt Ion: 82 Resp: 692854

Ion Ratio Lower Upper

82 100

128 44.5 33.6 50.4

54 57.7 47.1 70.7



#24

Nitrobenzene

Concen: 42.649 ng

RT: 7.545 min Scan# 910

Delta R.T. 0.000 min

Lab File: BF143319.D

Acq: 05 Aug 2025 16:54

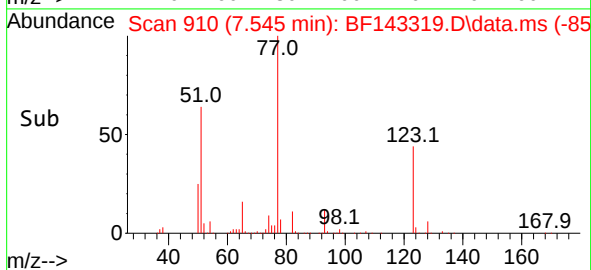
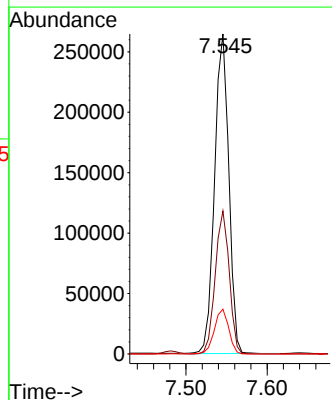
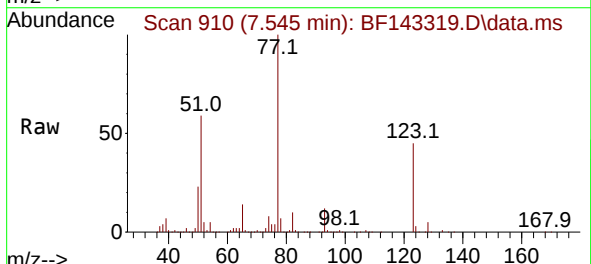
Tgt Ion: 77 Resp: 321496

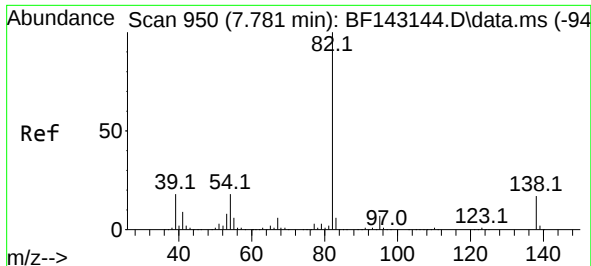
Ion Ratio Lower Upper

77 100

123 44.7 36.1 54.1

65 14.0 11.4 17.2

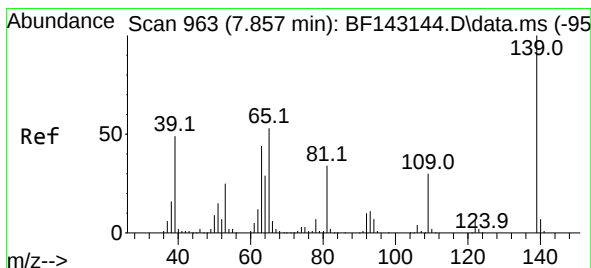
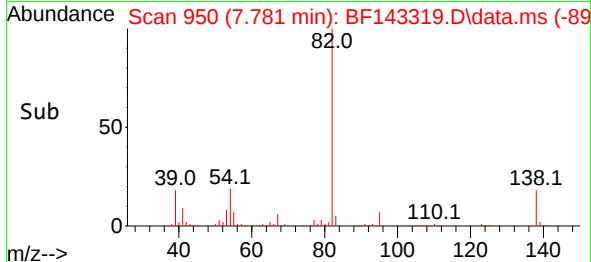
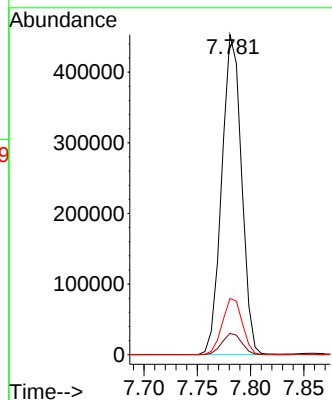
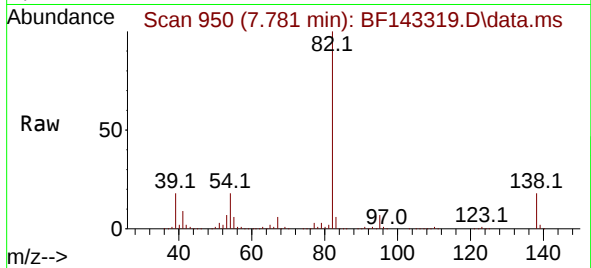




#25  
Isophorone  
Concen: 40.854 ng  
RT: 7.781 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BF143319.D  
Acq: 05 Aug 2025 16:54

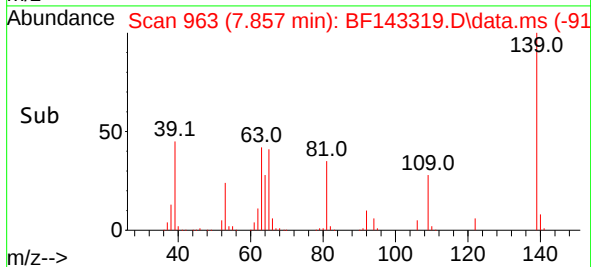
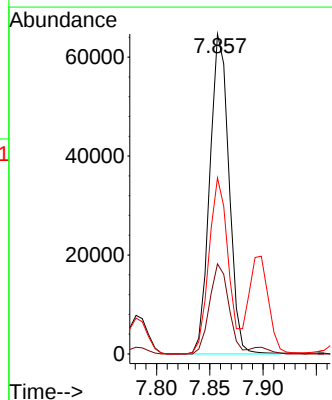
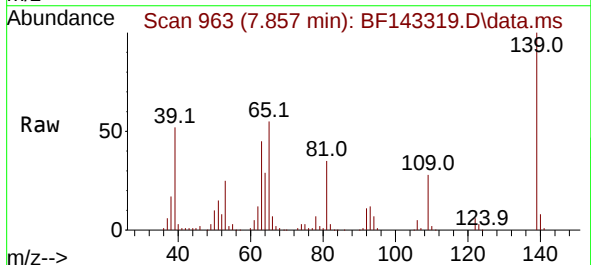
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040EC

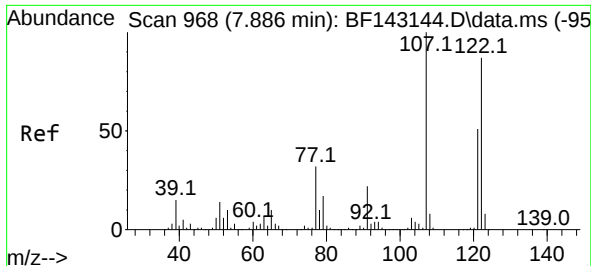
Tgt Ion: 82 Resp: 583128  
Ion Ratio Lower Upper  
82 100  
95 6.7 5.5 8.3  
138 17.6 13.8 20.8



#26  
2-Nitrophenol  
Concen: 24.763 ng  
RT: 7.857 min Scan# 963  
Delta R.T. 0.000 min  
Lab File: BF143319.D  
Acq: 05 Aug 2025 16:54

Tgt Ion:139 Resp: 81014  
Ion Ratio Lower Upper  
139 100  
109 28.2 23.6 35.4  
65 55.1 42.6 64.0

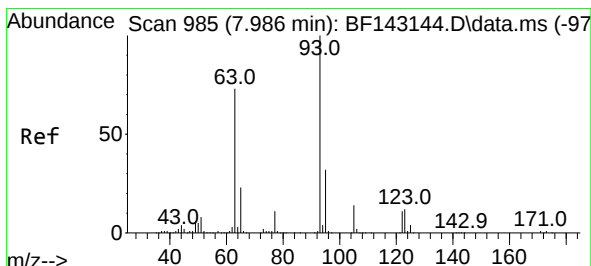
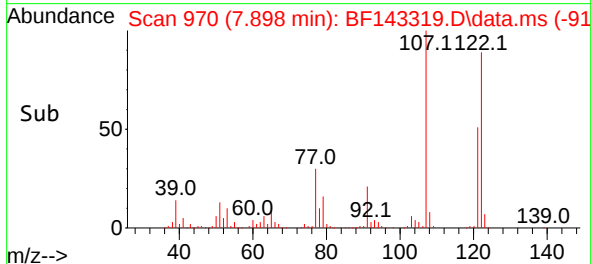
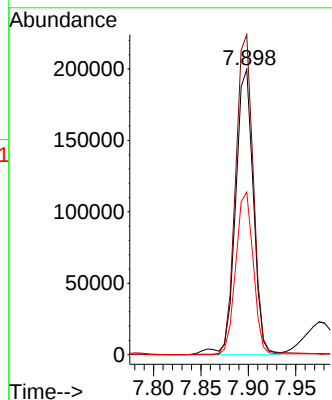
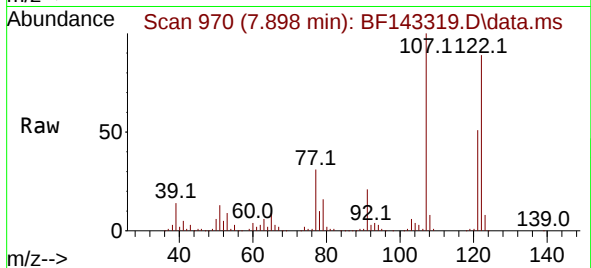




#27  
2,4-Dimethylphenol  
Concen: 39.121 ng  
RT: 7.898 min Scan# 91  
Delta R.T. 0.012 min  
Lab File: BF143319.D  
Acq: 05 Aug 2025 16:54

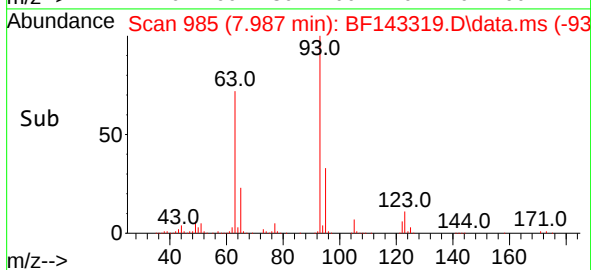
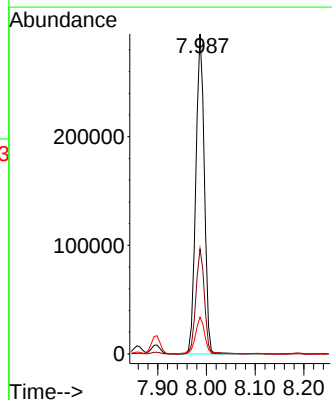
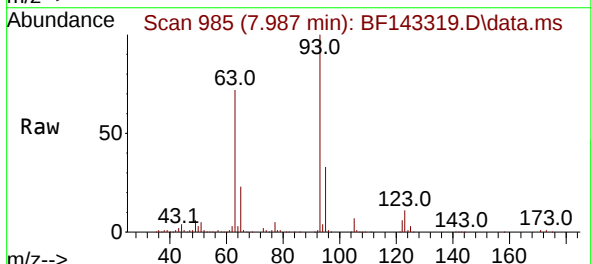
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040EC

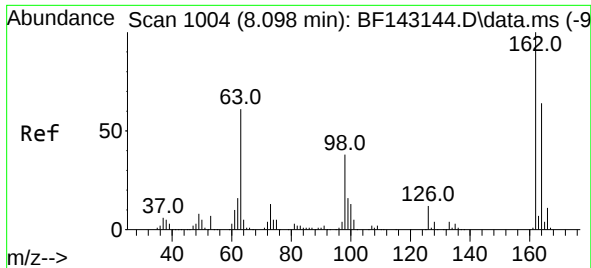
Tgt Ion:122 Resp: 260882  
Ion Ratio Lower Upper  
122 100  
107 112.2 91.8 137.6  
121 57.0 46.3 69.5



#28  
bis(2-Chloroethoxy)methane  
Concen: 42.404 ng  
RT: 7.987 min Scan# 985  
Delta R.T. 0.000 min  
Lab File: BF143319.D  
Acq: 05 Aug 2025 16:54

Tgt Ion: 93 Resp: 362892  
Ion Ratio Lower Upper  
93 100  
95 32.8 25.8 38.6  
123 11.5 9.7 14.5





#29

2,4-Dichlorophenol

Concen: 37.756 ng

RT: 8.104 min Scan# 1005

Delta R.T. 0.006 min

Lab File: BF143319.D

Acq: 05 Aug 2025 16:54

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040EC

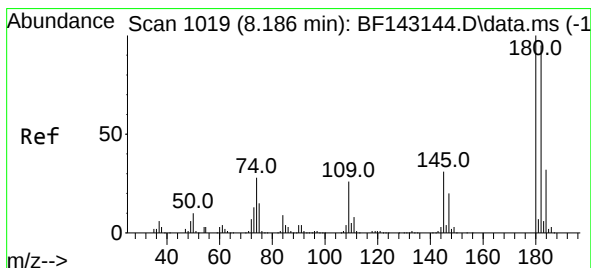
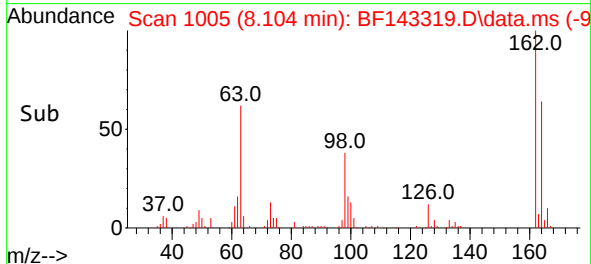
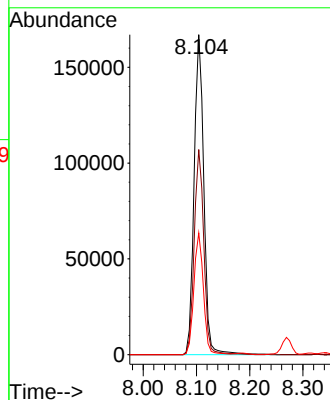
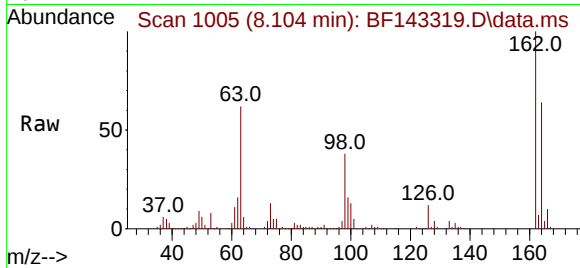
Tgt Ion:162 Resp: 212334

Ion Ratio Lower Upper

162 100

164 64.1 44.2 84.2

98 38.1 17.9 57.9



#30

1,2,4-Trichlorobenzene

Concen: 39.822 ng

RT: 8.187 min Scan# 1019

Delta R.T. 0.000 min

Lab File: BF143319.D

Acq: 05 Aug 2025 16:54

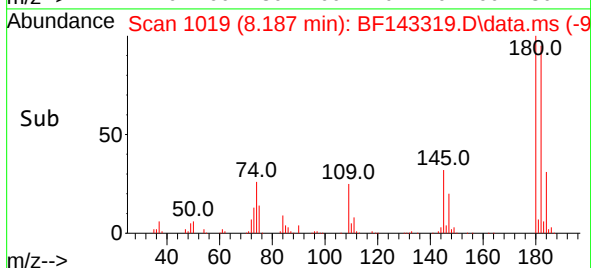
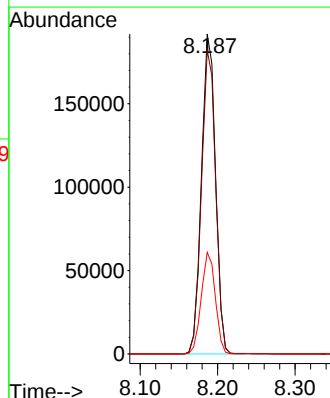
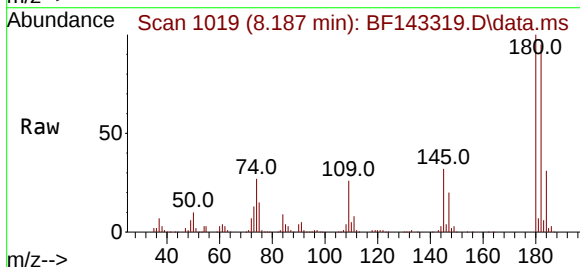
Tgt Ion:180 Resp: 241950

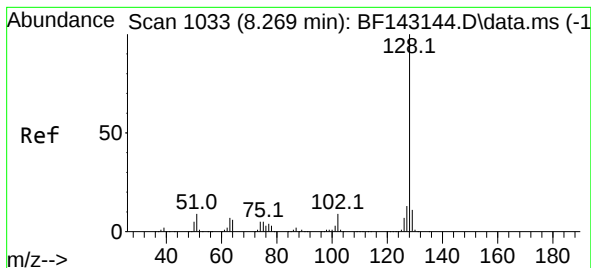
Ion Ratio Lower Upper

180 100

182 94.9 76.2 114.2

145 31.7 25.0 37.6





#31

Naphthalene

Concen: 39.649 ng

RT: 8.269 min Scan# 1033

Delta R.T. 0.000 min

Lab File: BF143319.D

Acq: 05 Aug 2025 16:54

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040EC

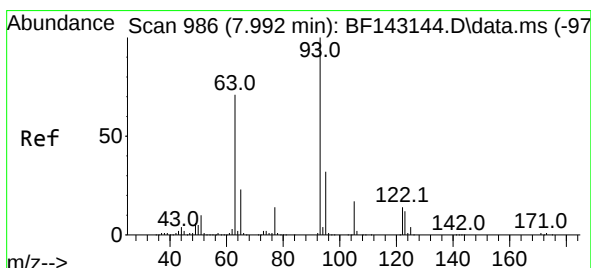
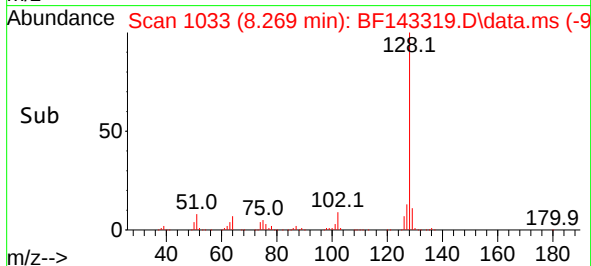
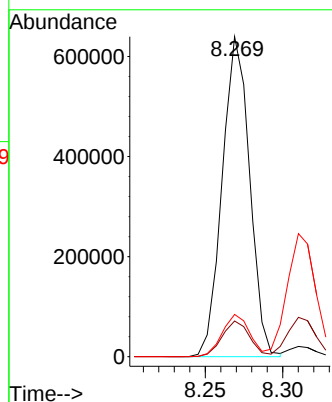
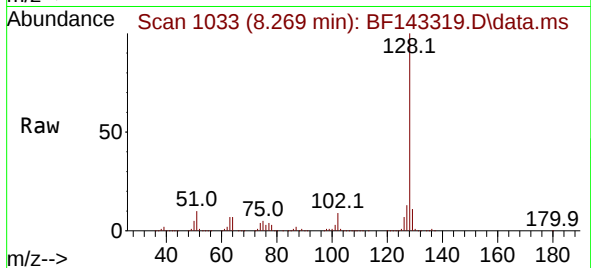
Tgt Ion:128 Resp: 786998

Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.4

127 13.2 10.6 16.0



#32

Benzoic acid

Concen: 15.945 ng

RT: 7.975 min Scan# 983

Delta R.T. -0.017 min

Lab File: BF143319.D

Acq: 05 Aug 2025 16:54

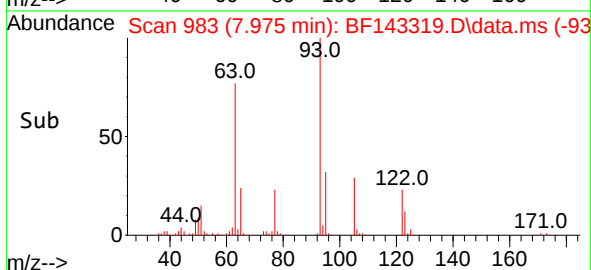
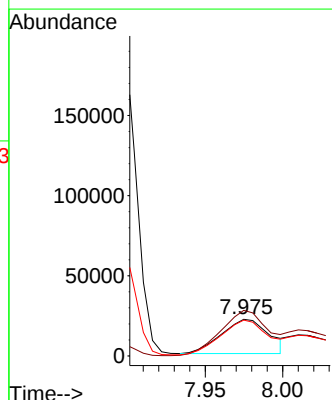
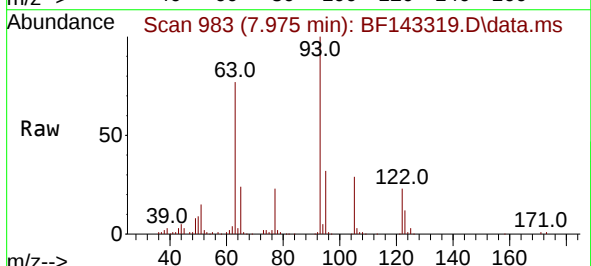
Tgt Ion:122 Resp: 45338

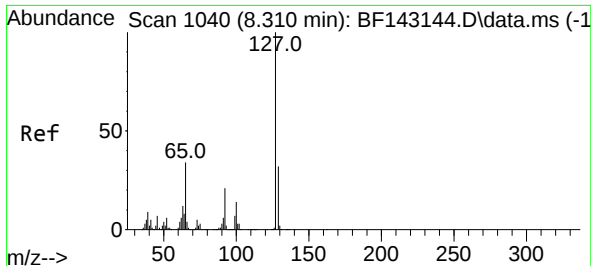
Ion Ratio Lower Upper

122 100

105 124.1 104.8 144.8

77 97.8 77.6 117.6

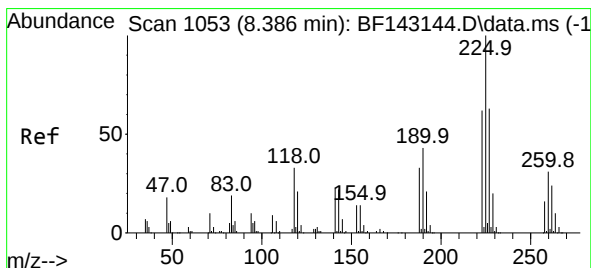
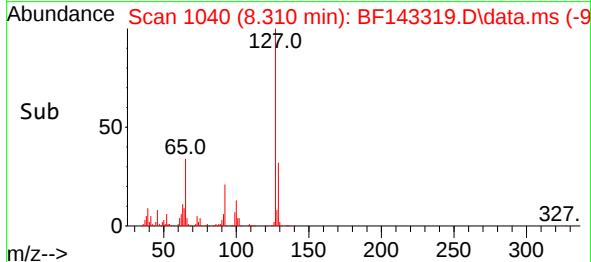
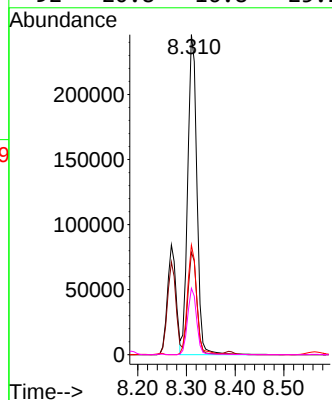
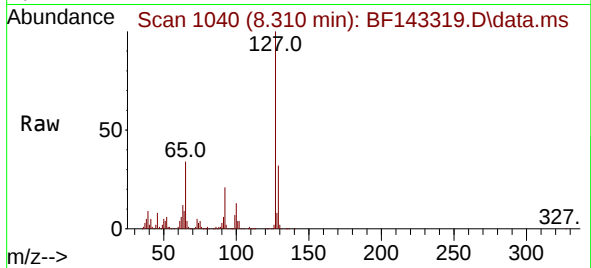




#33  
4-Chloroaniline  
Concen: 39.509 ng  
RT: 8.310 min Scan# 1040  
Delta R.T. 0.000 min  
Lab File: BF143319.D  
Acq: 05 Aug 2025 16:54

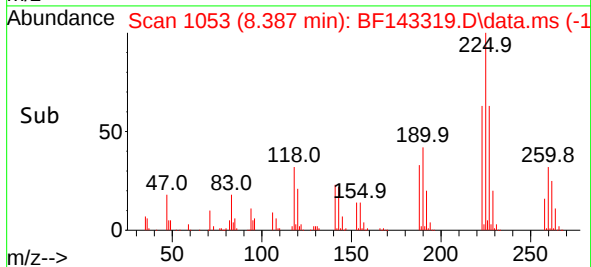
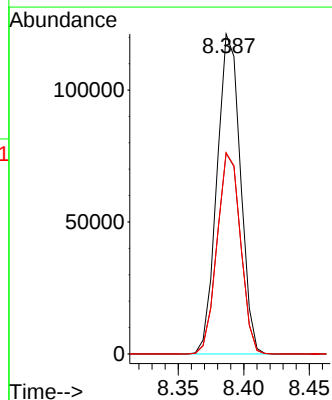
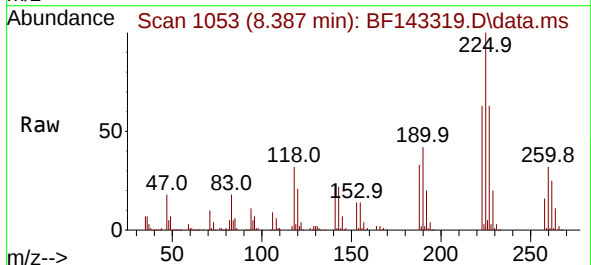
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040EC

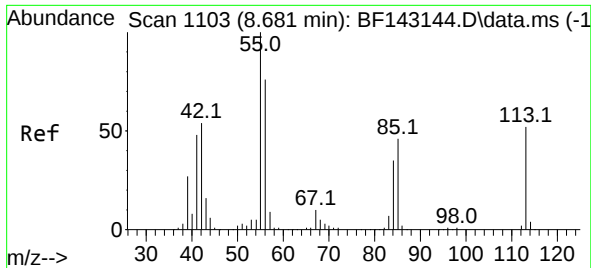
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 320214 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.0  | 26.0  | 39.0   |
| 65       | 34.2  | 27.4  | 41.2   |
| 92       | 20.8  | 16.8  | 25.2   |



#34  
Hexachlorobutadiene  
Concen: 40.507 ng  
RT: 8.387 min Scan# 1053  
Delta R.T. 0.000 min  
Lab File: BF143319.D  
Acq: 05 Aug 2025 16:54

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 150342 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 62.8  | 49.8  | 74.6   |
| 227      | 62.9  | 50.2  | 75.4   |

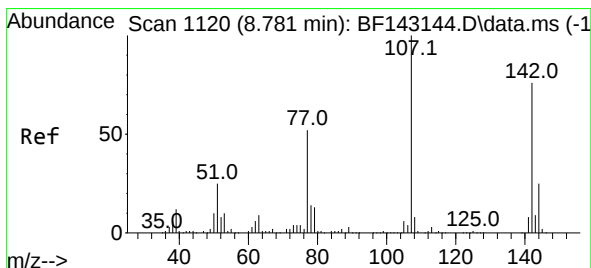
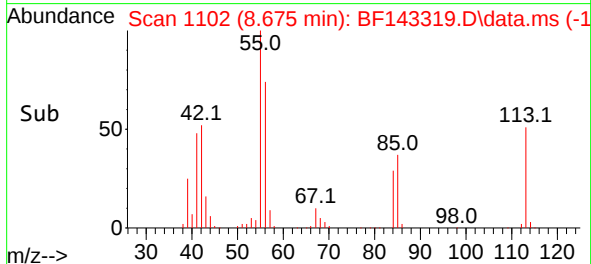
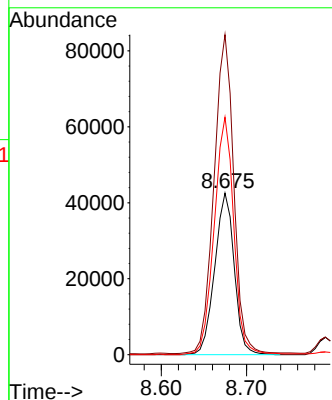
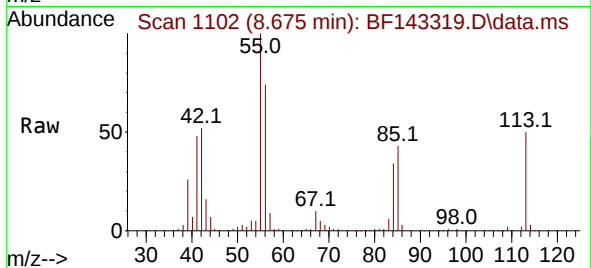




#35  
 Caprolactam  
 Concen: 39.838 ng  
 RT: 8.675 min Scan# 1103  
 Delta R.T. -0.006 min  
 Lab File: BF143319.D  
 Acq: 05 Aug 2025 16:54

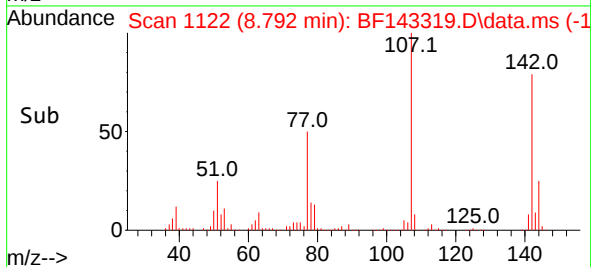
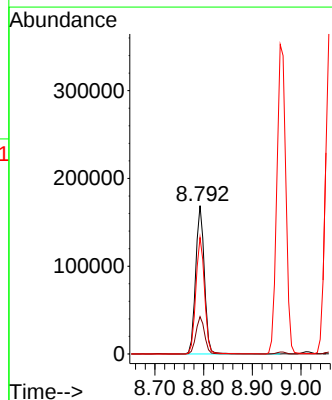
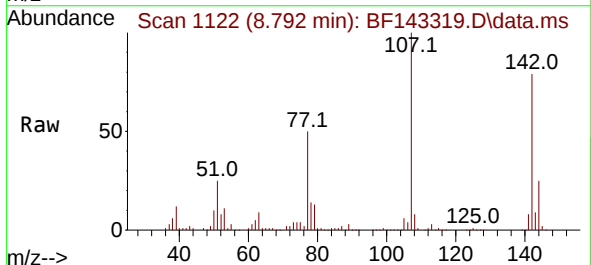
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040EC

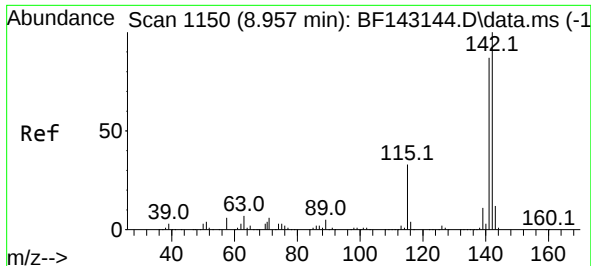
Tgt Ion:113 Resp: 67702  
 Ion Ratio Lower Upper  
 113 100  
 55 198.0 174.0 214.0  
 56 146.9 126.6 166.6



#36  
 4-Chloro-3-methylphenol  
 Concen: 34.734 ng  
 RT: 8.792 min Scan# 1122  
 Delta R.T. 0.012 min  
 Lab File: BF143319.D  
 Acq: 05 Aug 2025 16:54

Tgt Ion:107 Resp: 212318  
 Ion Ratio Lower Upper  
 107 100  
 144 25.1 19.8 29.6  
 142 78.6 60.6 90.8





#37

2-Methylnaphthalene

Concen: 37.268 ng

RT: 8.957 min Scan# 1150

Delta R.T. 0.000 min

Lab File: BF143319.D

Acq: 05 Aug 2025 16:54

Instrument :

BNA\_F

ClientSampleId :

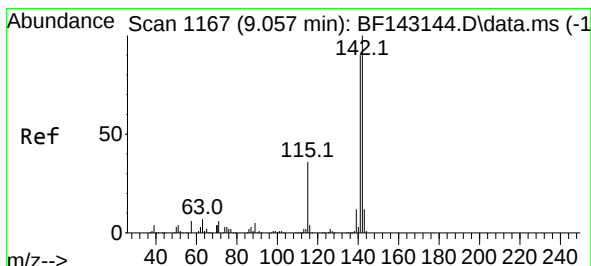
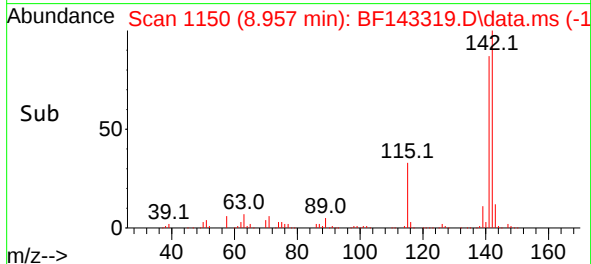
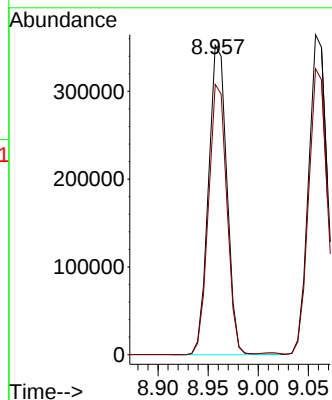
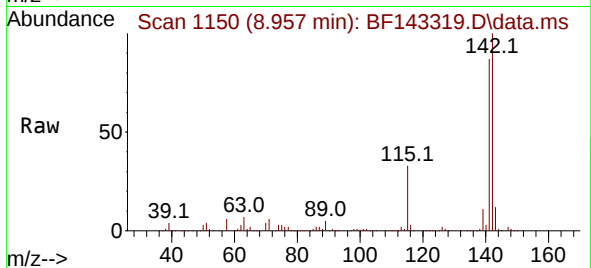
SSTDCCC040EC

Tgt Ion:142 Resp: 450138

Ion Ratio Lower Upper

142 100

141 87.4 69.9 104.9



#38

1-Methylnaphthalene

Concen: 37.272 ng

RT: 9.057 min Scan# 1167

Delta R.T. 0.000 min

Lab File: BF143319.D

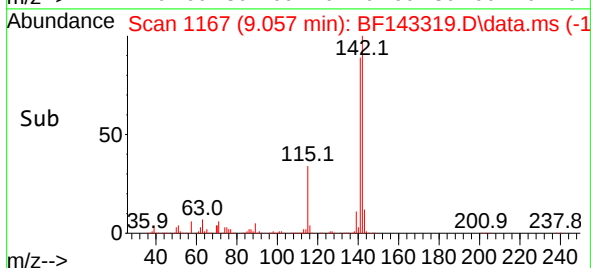
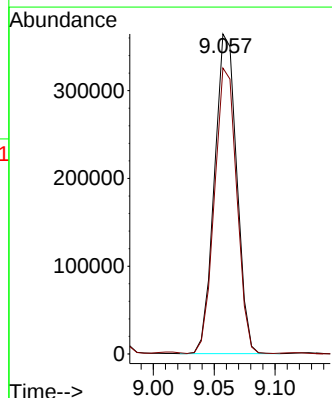
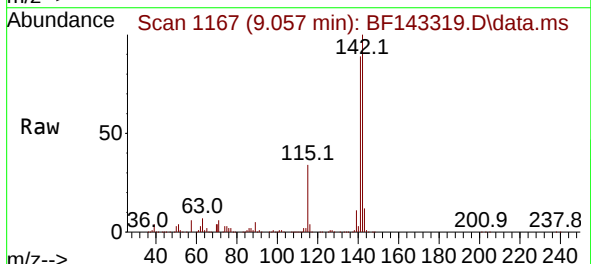
Acq: 05 Aug 2025 16:54

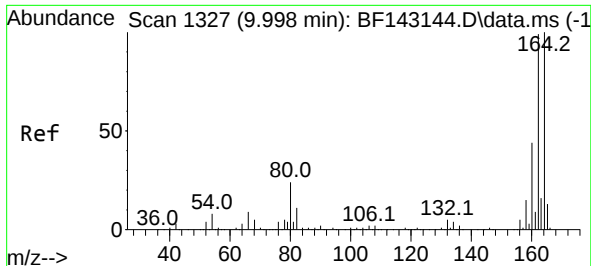
Tgt Ion:142 Resp: 463577

Ion Ratio Lower Upper

142 100

141 89.4 72.3 108.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.004 min Scan# 1178

Delta R.T. 0.006 min

Lab File: BF143319.D

Acq: 05 Aug 2025 16:54

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040EC

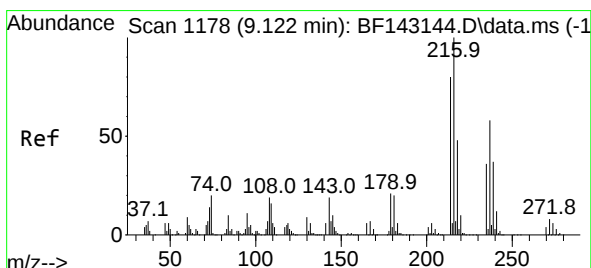
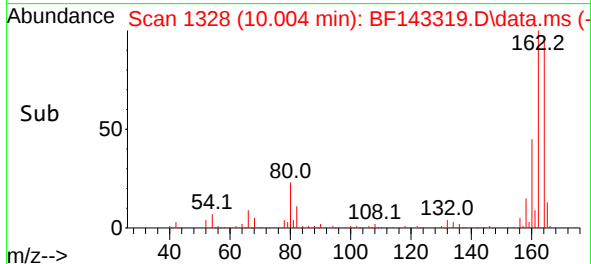
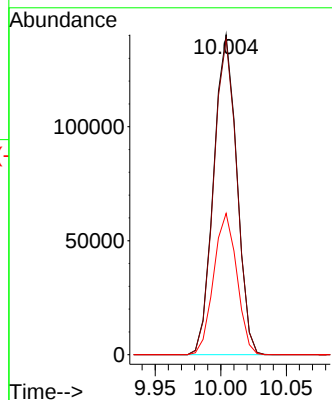
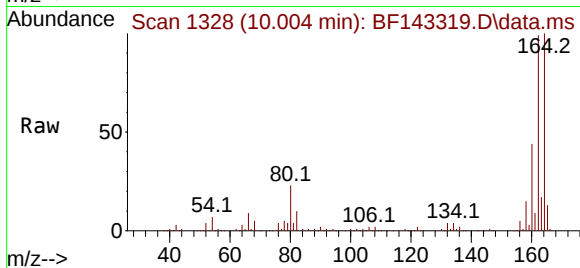
Tgt Ion:164 Resp: 172118

Ion Ratio Lower Upper

164 100

162 98.5 79.0 118.6

160 44.1 35.1 52.7



#40

1,2,4,5-Tetrachlorobenzene

Concen: 44.049 ng

RT: 9.128 min Scan# 1179

Delta R.T. 0.006 min

Lab File: BF143319.D

Acq: 05 Aug 2025 16:54

Tgt Ion:216 Resp: 218890

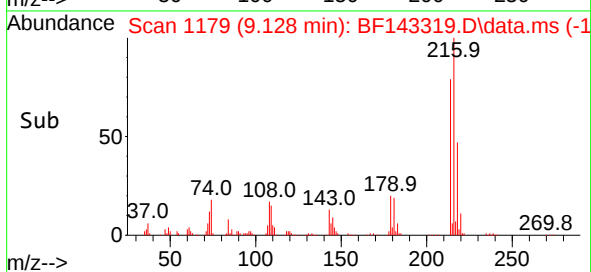
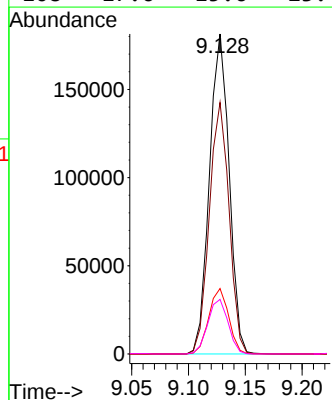
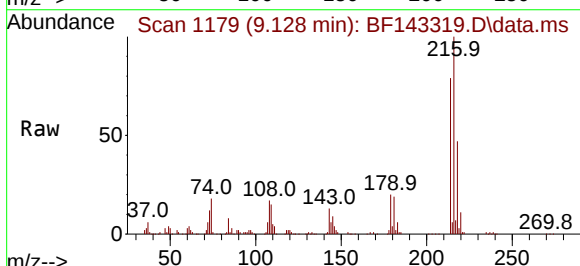
Ion Ratio Lower Upper

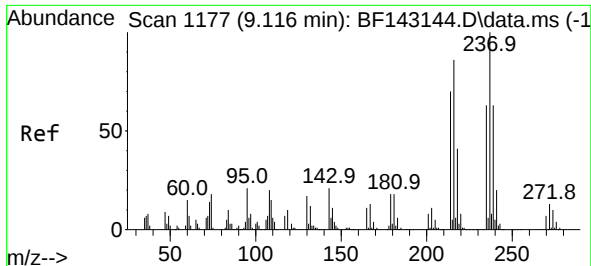
216 100

214 78.6 63.8 95.8

179 20.6 16.4 24.6

108 17.6 15.6 23.4

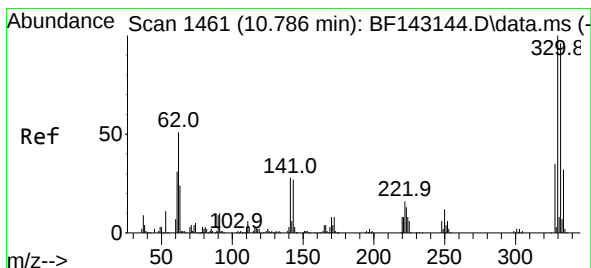
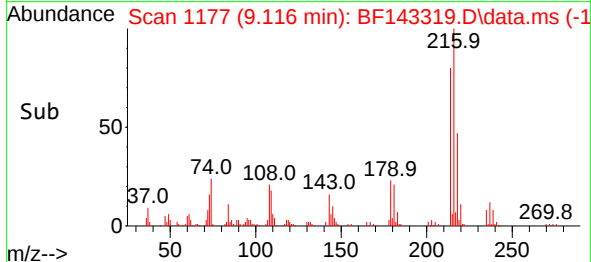
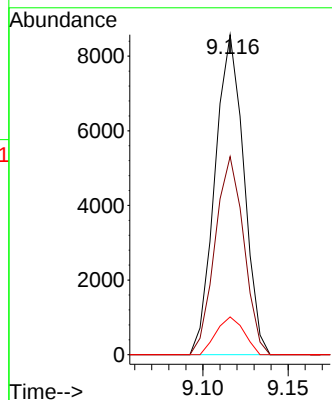
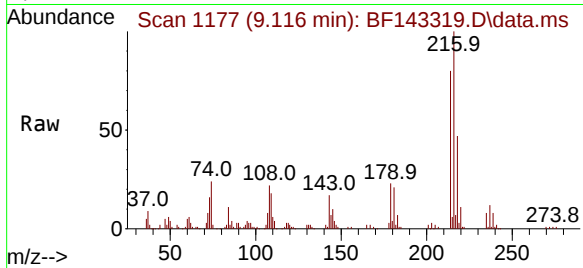




#41  
Hexachlorocyclopentadiene  
Concen: 3.125 ng  
RT: 9.116 min Scan# 1177  
Delta R.T. 0.000 min  
Lab File: BF143319.D  
Acq: 05 Aug 2025 16:54

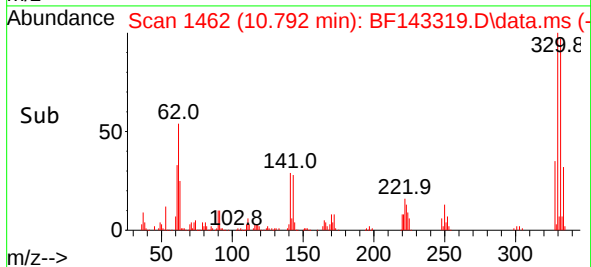
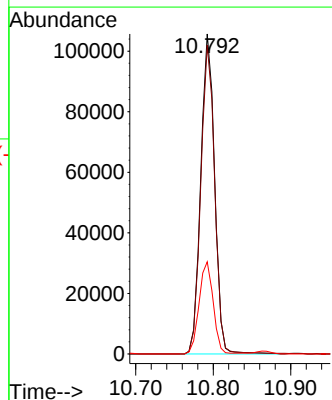
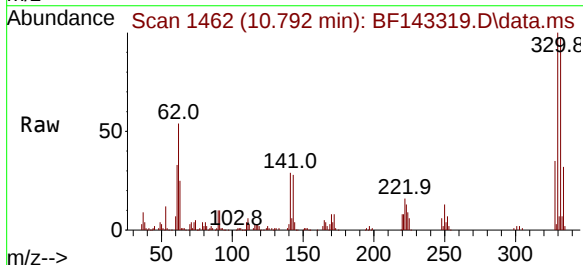
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040EC

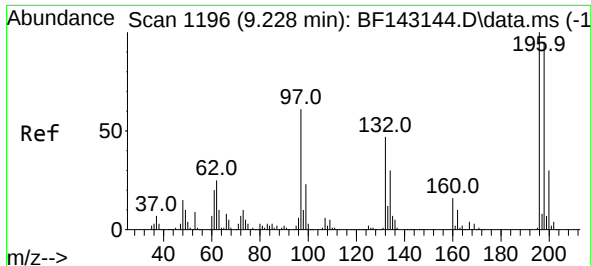
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 237   | Resp: | 10105 |
| Ion Ratio | Lower | Upper |       |
| 237       | 100   |       |       |
| 235       | 61.9  | 43.0  | 83.0  |
| 272       | 11.8  | 0.0   | 33.3  |



#42  
2,4,6-Tribromophenol  
Concen: 73.759 ng  
RT: 10.792 min Scan# 1462  
Delta R.T. 0.006 min  
Lab File: BF143319.D  
Acq: 05 Aug 2025 16:54

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 330   | Resp: | 131149 |
| Ion Ratio | Lower | Upper |        |
| 330       | 100   |       |        |
| 332       | 96.6  | 76.7  | 115.1  |
| 141       | 29.4  | 23.3  | 34.9   |





#43

2,4,6-Trichlorophenol

Concen: 37.154 ng

RT: 9.239 min Scan# 1196

Delta R.T. 0.012 min

Lab File: BF143319.D

Acq: 05 Aug 2025 16:54

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040EC

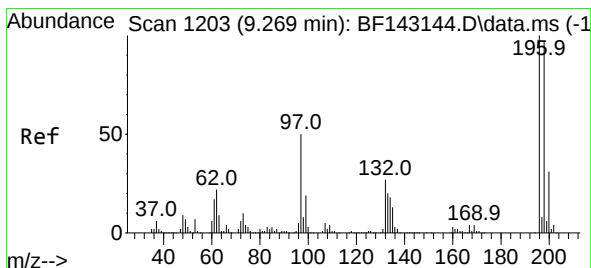
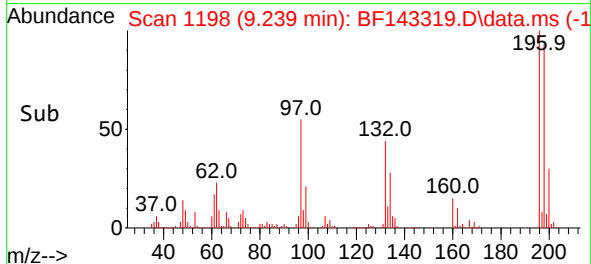
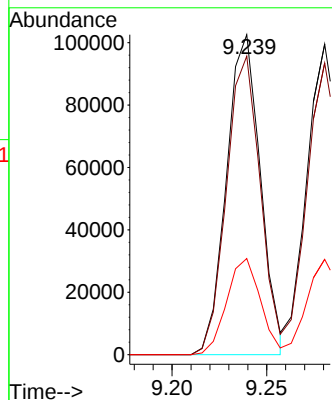
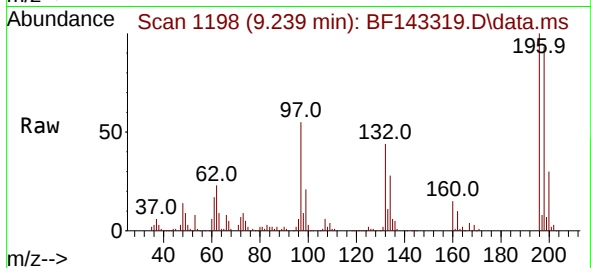
Tgt Ion:196 Resp: 127779

Ion Ratio Lower Upper

196 100

198 93.3 76.2 114.2

200 30.1 23.9 35.9



#44

2,4,5-Trichlorophenol

Concen: 37.720 ng

RT: 9.281 min Scan# 1205

Delta R.T. 0.012 min

Lab File: BF143319.D

Acq: 05 Aug 2025 16:54

Tgt Ion:196 Resp: 129763

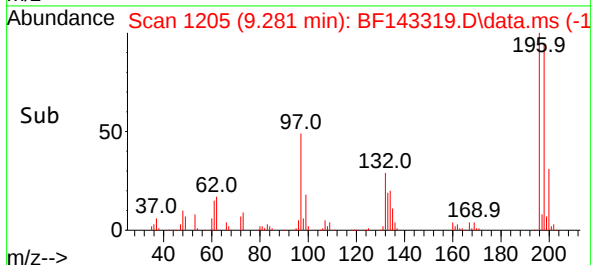
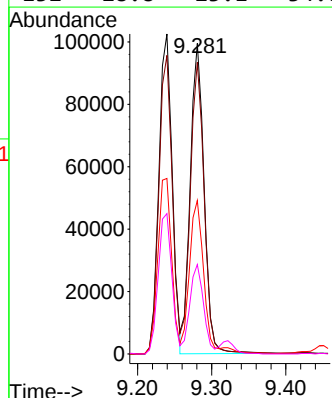
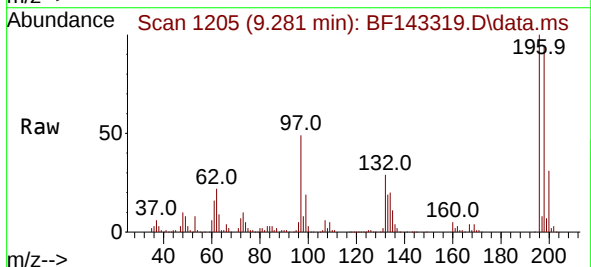
Ion Ratio Lower Upper

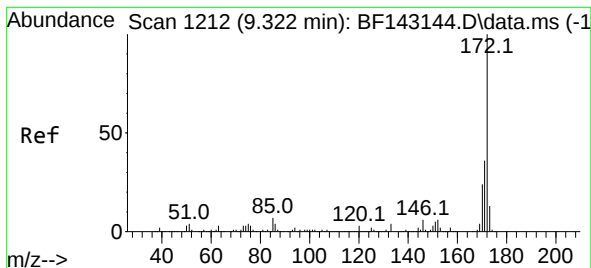
196 100

198 93.9 77.3 115.9

97 49.4 40.3 60.5

132 28.8 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 86.070 ng

RT: 9.322 min Scan# 1212

Delta R.T. 0.000 min

Lab File: BF143319.D

Acq: 05 Aug 2025 16:54

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040EC

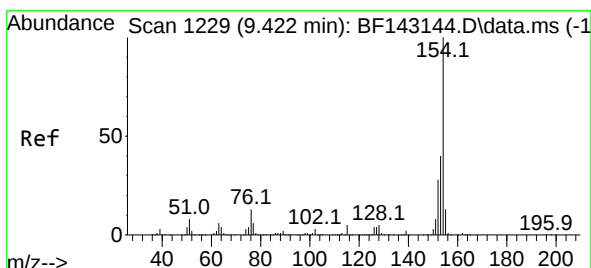
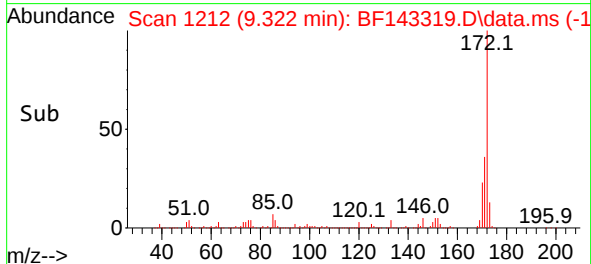
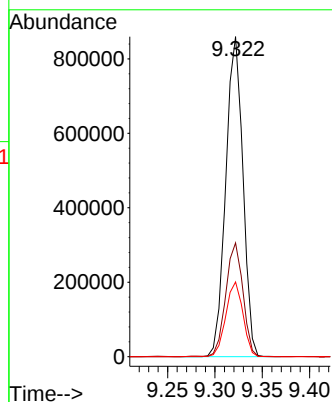
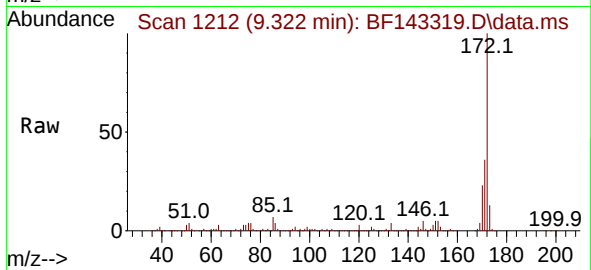
Tgt Ion:172 Resp: 1083208

Ion Ratio Lower Upper

172 100

171 35.6 28.6 42.8

170 23.4 18.8 28.2



#46

1,1'-Biphenyl

Concen: 43.239 ng

RT: 9.422 min Scan# 1229

Delta R.T. 0.000 min

Lab File: BF143319.D

Acq: 05 Aug 2025 16:54

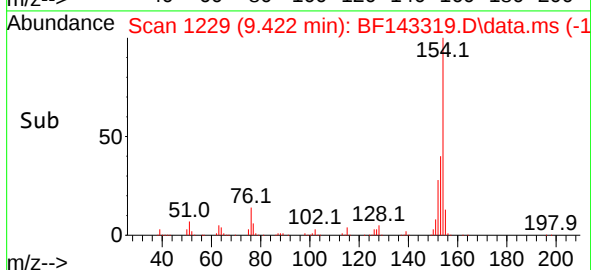
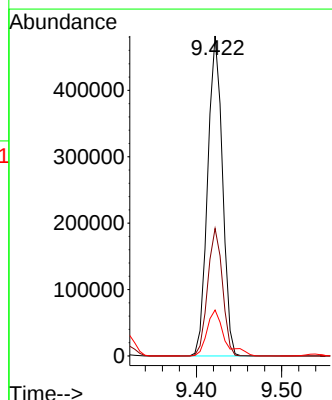
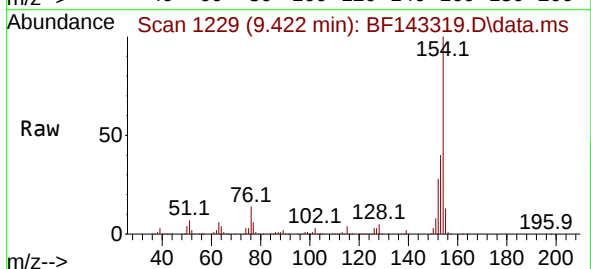
Tgt Ion:154 Resp: 580633

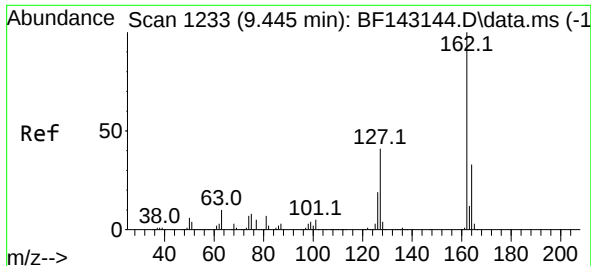
Ion Ratio Lower Upper

154 100

153 39.8 20.3 60.3

76 14.4 0.0 33.3





#47

2-Chloronaphthalene

Concen: 41.417 ng

RT: 9.451 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF143319.D

Acq: 05 Aug 2025 16:54

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040EC

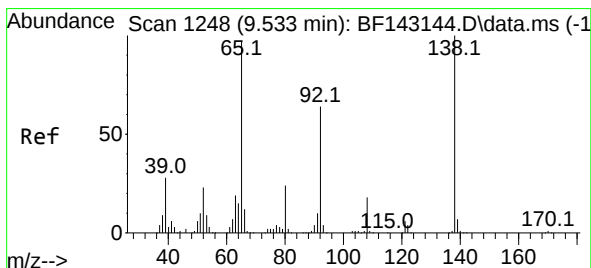
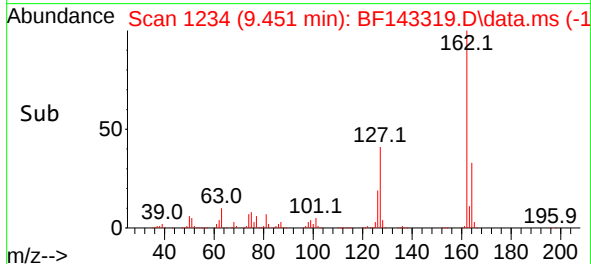
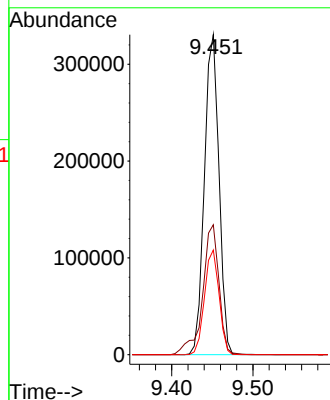
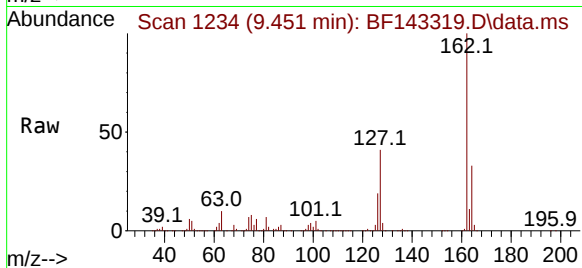
Tgt Ion:162 Resp: 411529

Ion Ratio Lower Upper

162 100

127 40.6 33.4 50.2

164 32.7 26.2 39.2



#48

2-Nitroaniline

Concen: 48.428 ng

RT: 9.539 min Scan# 1249

Delta R.T. 0.006 min

Lab File: BF143319.D

Acq: 05 Aug 2025 16:54

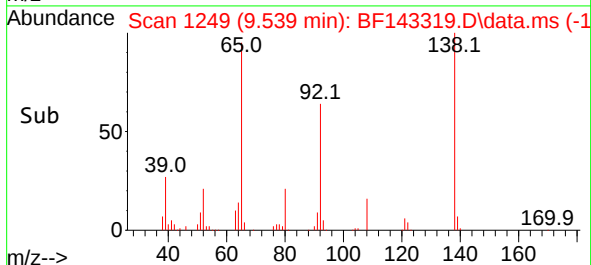
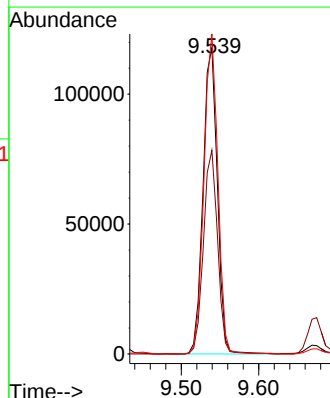
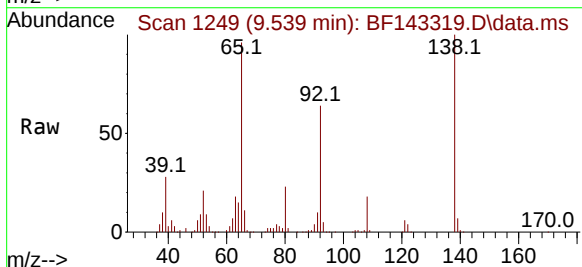
Tgt Ion: 65 Resp: 150901

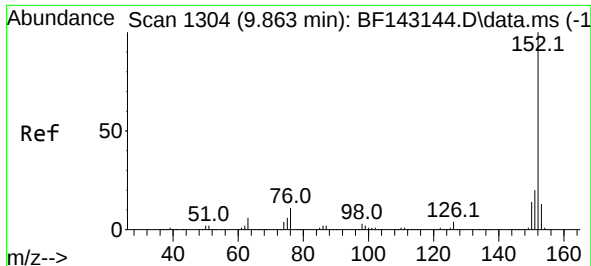
Ion Ratio Lower Upper

65 100

92 66.5 52.4 78.6

138 104.5 82.3 123.5





#49

Acenaphthylene

Concen: 40.205 ng

RT: 9.863 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143319.D

Acq: 05 Aug 2025 16:54

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040EC

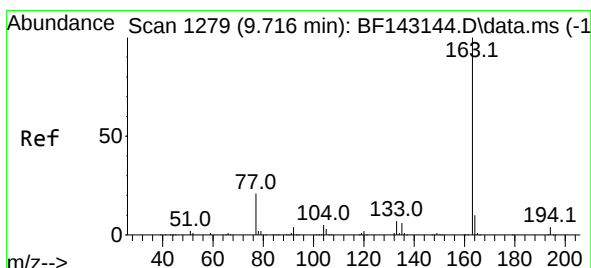
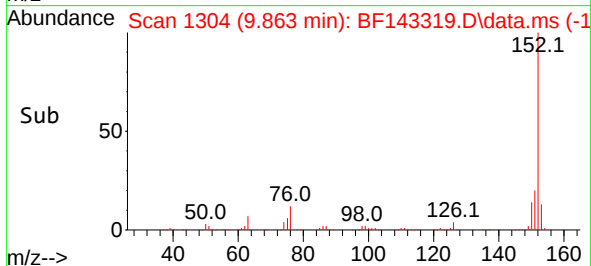
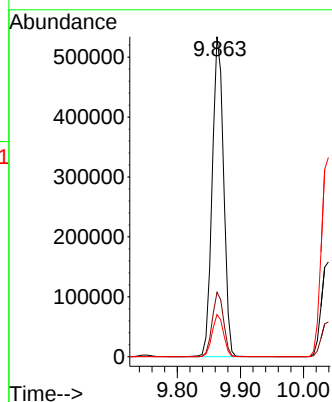
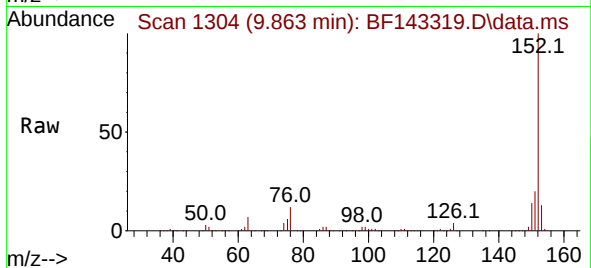
Tgt Ion:152 Resp: 669468

Ion Ratio Lower Upper

152 100

151 20.1 16.2 24.2

153 13.2 10.6 16.0



#50

Dimethylphthalate

Concen: 44.194 ng

RT: 9.716 min Scan# 1279

Delta R.T. 0.000 min

Lab File: BF143319.D

Acq: 05 Aug 2025 16:54

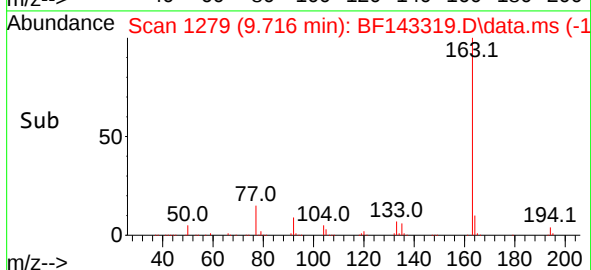
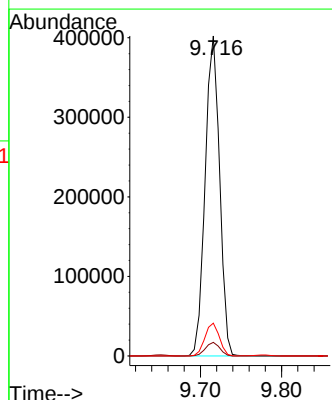
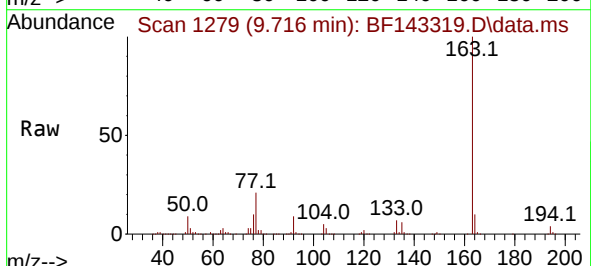
Tgt Ion:163 Resp: 495822

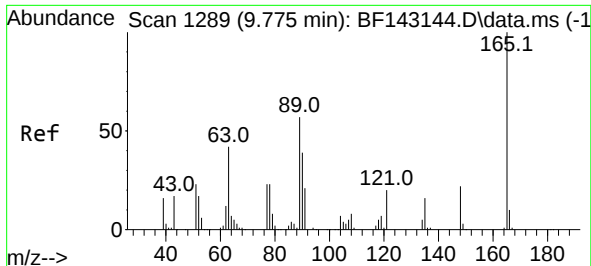
Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.2

164 10.3 8.3 12.5





#51

2,6-Dinitrotoluene

Concen: 38.398 ng

RT: 9.775 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143319.D

Acq: 05 Aug 2025 16:54

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040EC

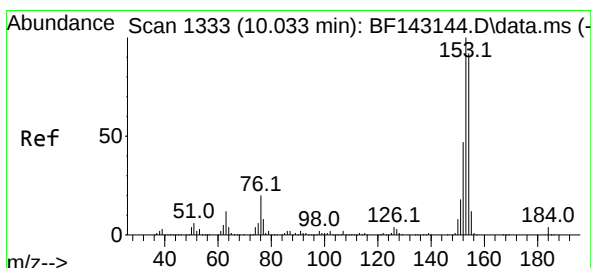
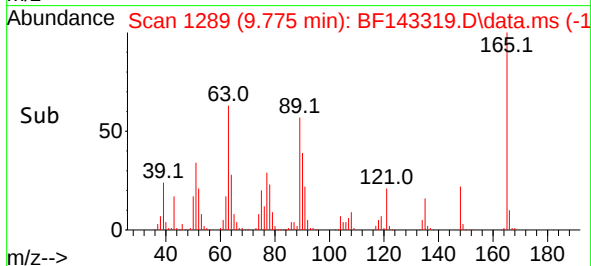
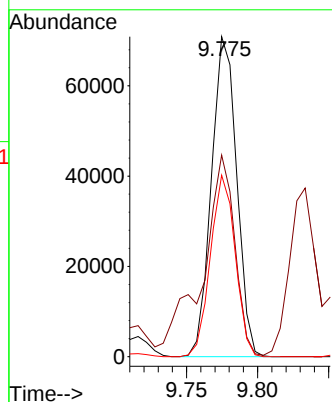
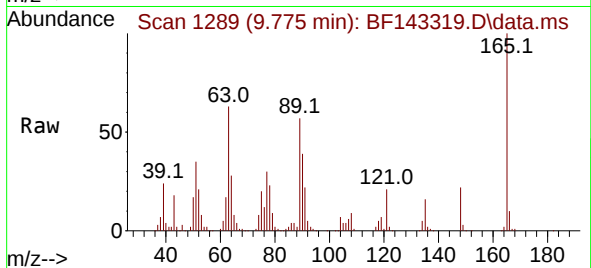
Tgt Ion:165 Resp: 87635

Ion Ratio Lower Upper

165 100

63 63.0 49.4 74.2

89 56.7 46.2 69.2



#52

Acenaphthene

Concen: 38.143 ng

RT: 10.039 min Scan# 1334

Delta R.T. 0.006 min

Lab File: BF143319.D

Acq: 05 Aug 2025 16:54

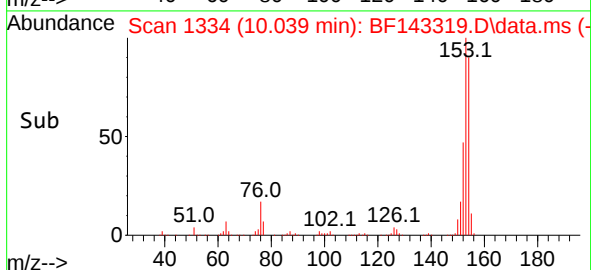
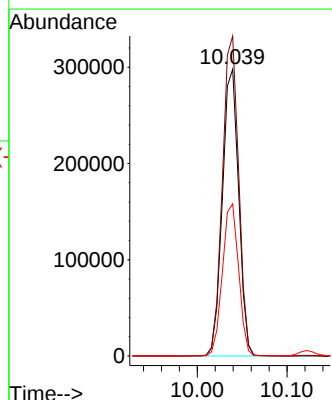
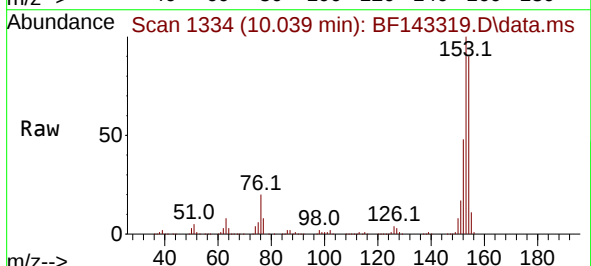
Tgt Ion:154 Resp: 375398

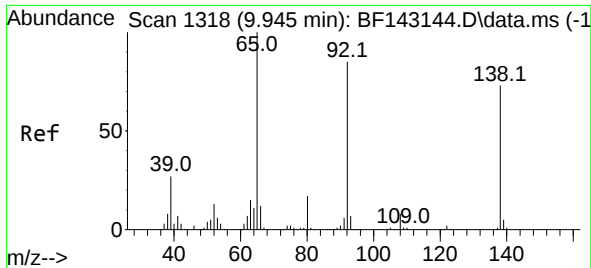
Ion Ratio Lower Upper

154 100

153 111.6 86.6 129.8

152 53.1 40.4 60.6

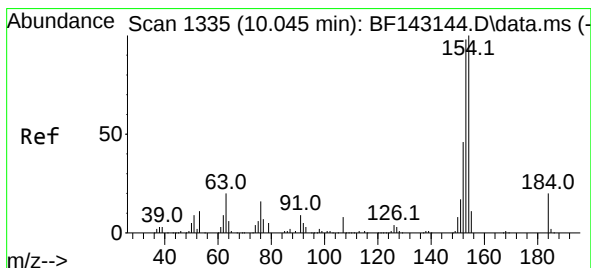
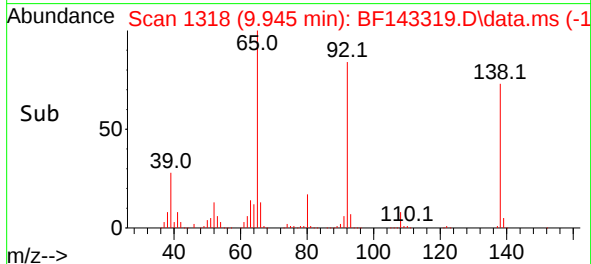
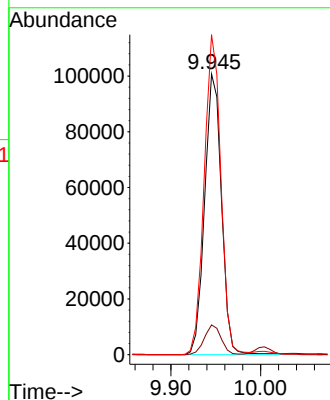
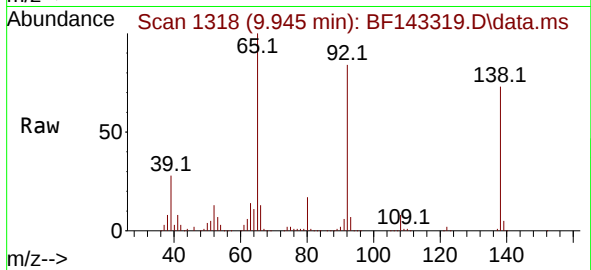




#53  
3-Nitroaniline  
Concen: 49.113 ng  
RT: 9.945 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF143319.D  
Acq: 05 Aug 2025 16:54

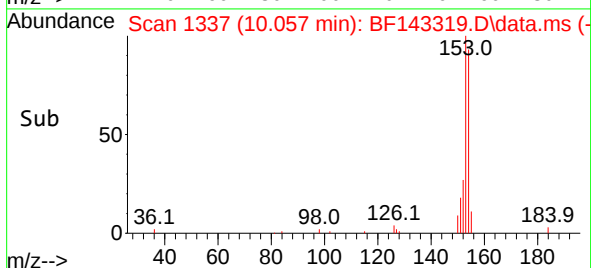
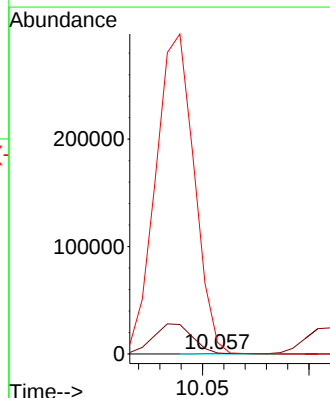
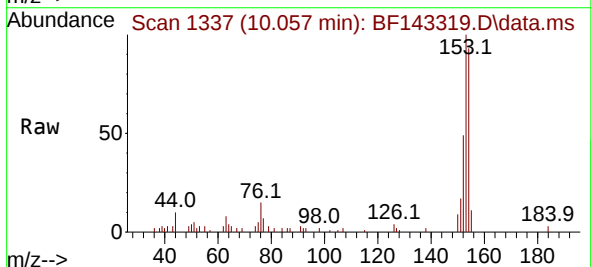
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040EC

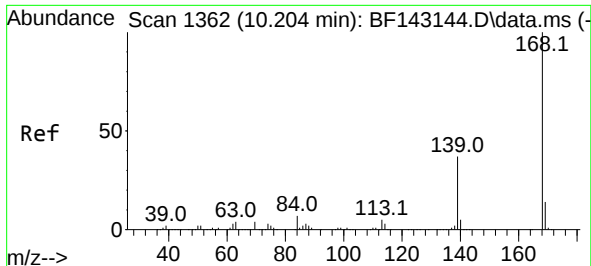
Tgt Ion:138 Resp: 131107  
Ion Ratio Lower Upper  
138 100  
108 10.6 9.0 13.6  
92 114.0 93.0 139.4



#54  
2,4-Dinitrophenol  
Concen: 7.056 ng  
RT: 10.057 min Scan# 1337  
Delta R.T. 0.012 min  
Lab File: BF143319.D  
Acq: 05 Aug 2025 16:54

Tgt Ion:184 Resp: 443  
Ion Ratio Lower Upper  
184 100  
63 309.1 81.8 122.6#  
154 3389.3 412.2 618.4#

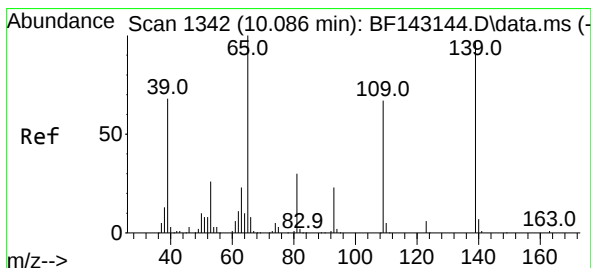
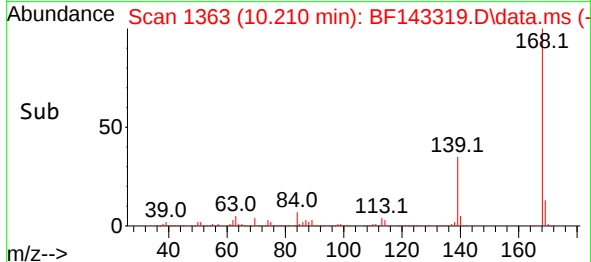
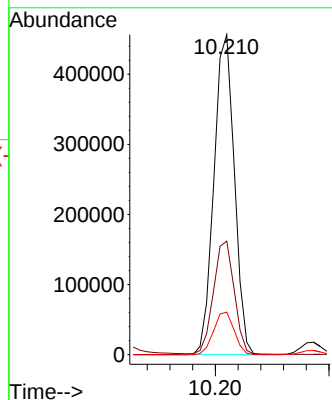
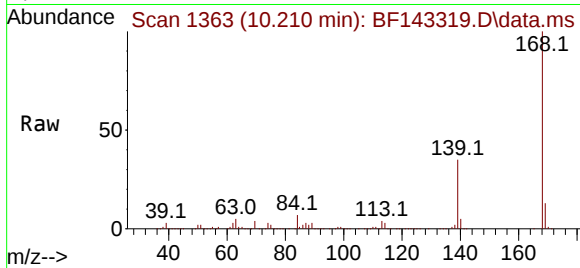




#55  
Dibenzofuran  
Concen: 39.101 ng  
RT: 10.210 min Scan# 1362  
Delta R.T. 0.006 min  
Lab File: BF143319.D  
Acq: 05 Aug 2025 16:54

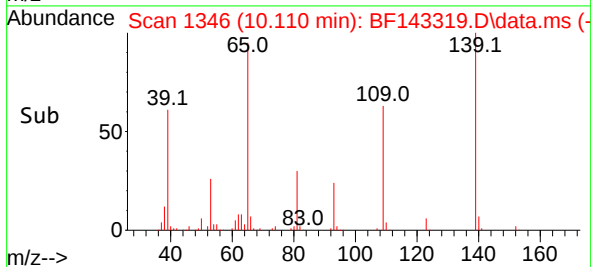
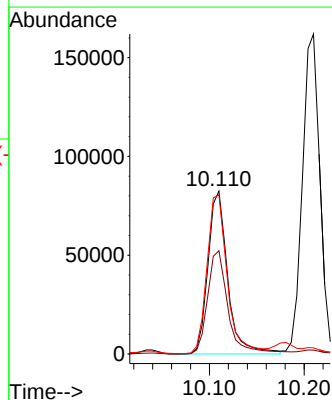
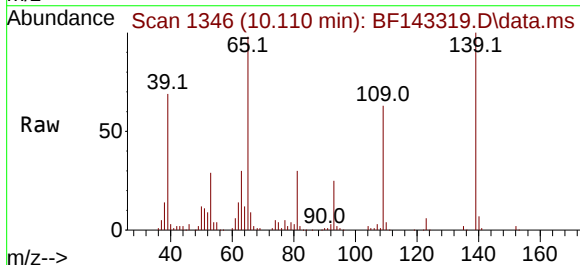
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040EC

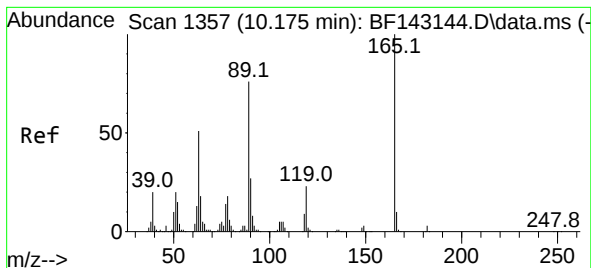
Tgt Ion:168 Resp: 571344  
Ion Ratio Lower Upper  
168 100  
139 35.5 29.5 44.3  
169 13.3 10.9 16.3



#56  
4-Nitrophenol  
Concen: 59.649 ng  
RT: 10.110 min Scan# 1346  
Delta R.T. 0.024 min  
Lab File: BF143319.D  
Acq: 05 Aug 2025 16:54

Tgt Ion:139 Resp: 118907  
Ion Ratio Lower Upper  
139 100  
109 63.4 48.5 88.5  
65 97.7 83.4 123.4

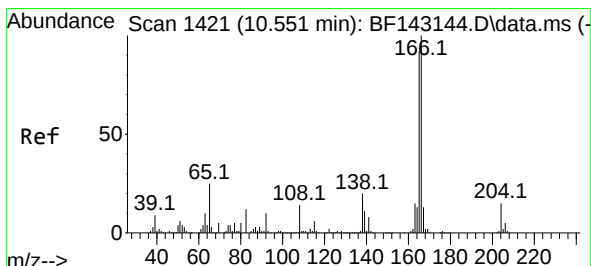
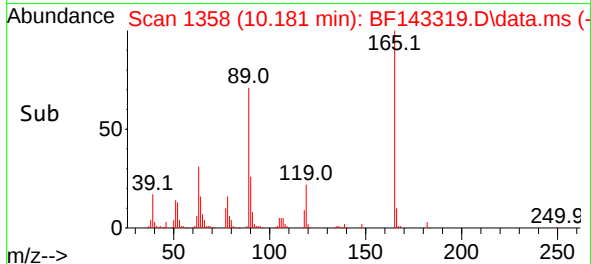
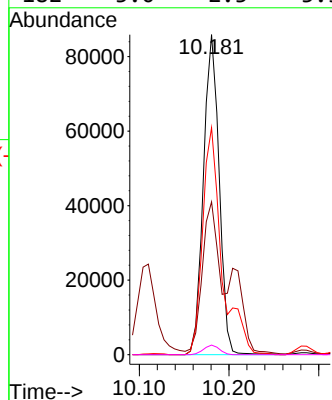
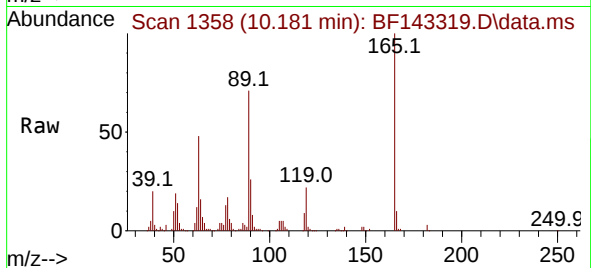




#57  
2,4-Dinitrotoluene  
Concen: 36.532 ng  
RT: 10.181 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF143319.D  
Acq: 05 Aug 2025 16:54

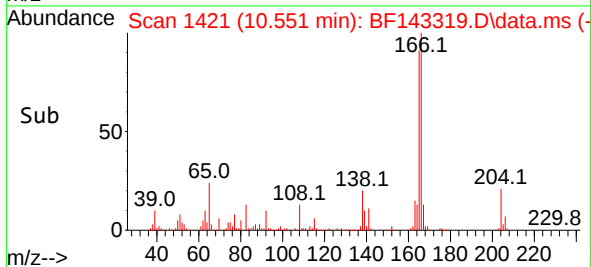
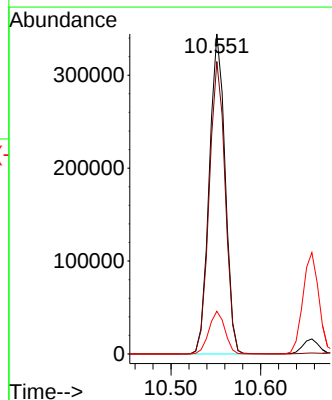
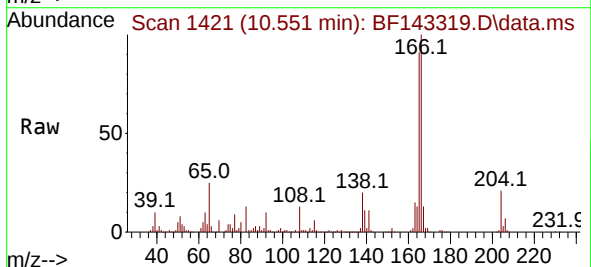
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040EC

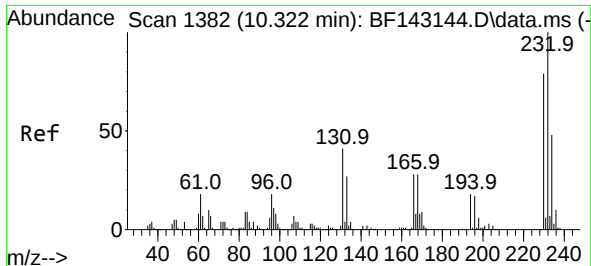
Tgt Ion:165 Resp: 104606  
Ion Ratio Lower Upper  
165 100  
63 47.8 41.0 61.4  
89 71.0 61.1 91.7  
182 3.0 2.3 3.5



#58  
Fluorene  
Concen: 38.582 ng  
RT: 10.551 min Scan# 1421  
Delta R.T. 0.000 min  
Lab File: BF143319.D  
Acq: 05 Aug 2025 16:54

Tgt Ion:166 Resp: 423115  
Ion Ratio Lower Upper  
166 100  
165 91.4 73.7 110.5  
167 13.4 10.6 16.0

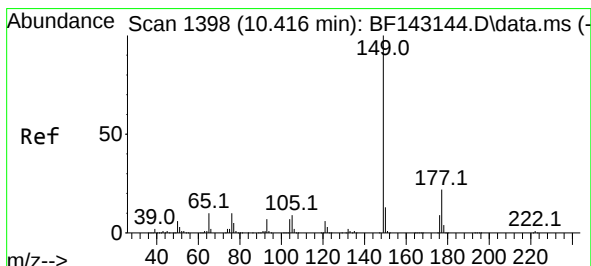
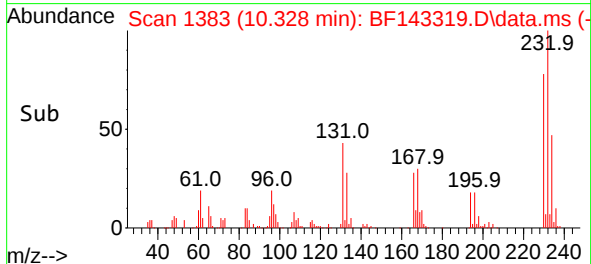
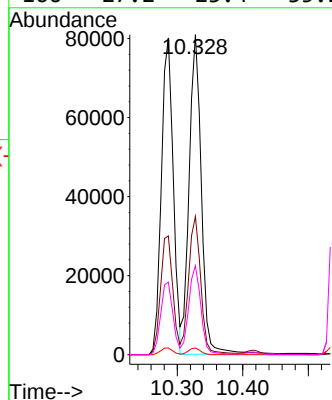
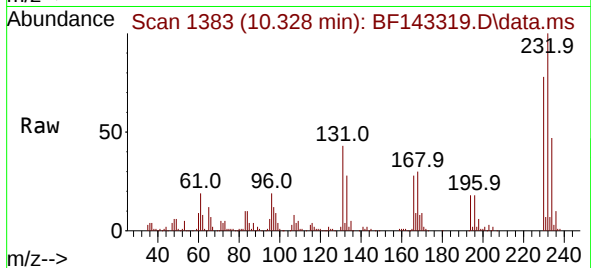




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 36.617 ng  
RT: 10.328 min Scan# 1382  
Delta R.T. 0.006 min  
Lab File: BF143319.D  
Acq: 05 Aug 2025 16:54

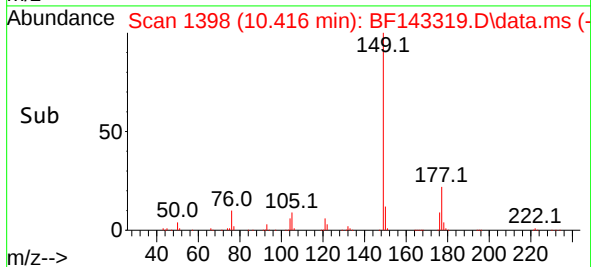
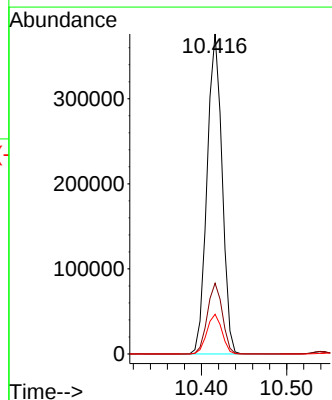
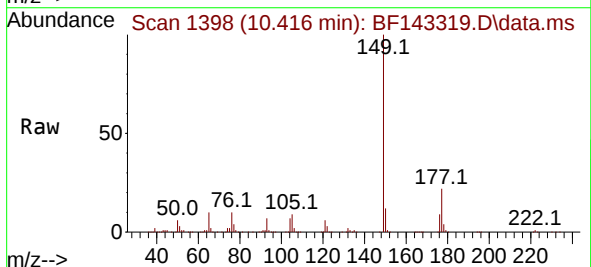
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040EC

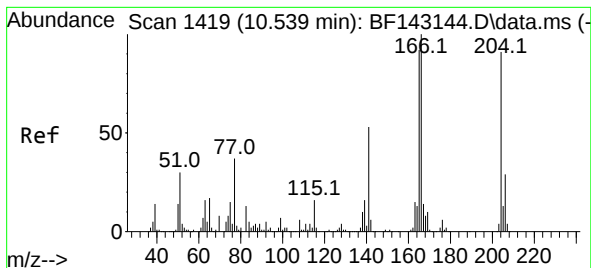
Tgt Ion:232 Resp: 104348  
Ion Ratio Lower Upper  
232 100  
131 42.8 35.3 52.9  
130 2.1 1.7 2.5  
166 27.2 23.4 35.2



#60  
Diethylphthalate  
Concen: 41.574 ng  
RT: 10.416 min Scan# 1398  
Delta R.T. 0.000 min  
Lab File: BF143319.D  
Acq: 05 Aug 2025 16:54

Tgt Ion:149 Resp: 461013  
Ion Ratio Lower Upper  
149 100  
177 22.1 17.5 26.3  
150 12.4 10.2 15.2

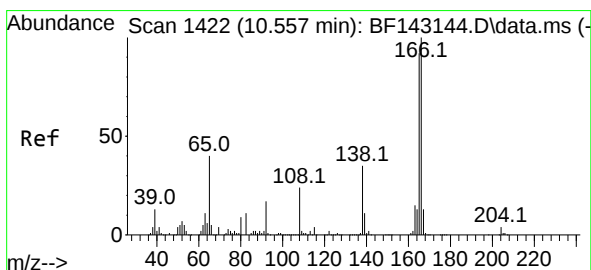
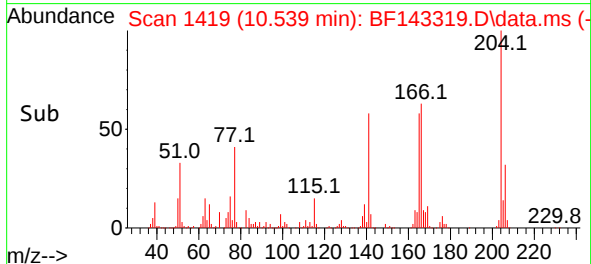
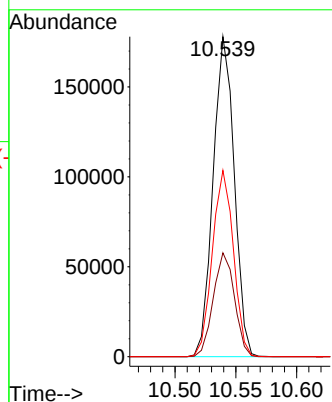
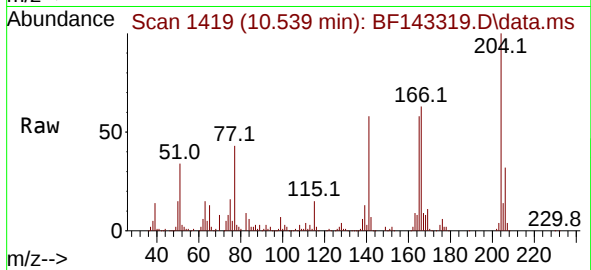




#61  
4-Chlorophenyl-phenylether  
Concen: 39.319 ng  
RT: 10.539 min Scan# 1419  
Delta R.T. 0.000 min  
Lab File: BF143319.D  
Acq: 05 Aug 2025 16:54

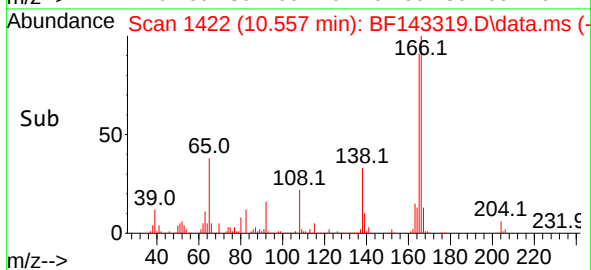
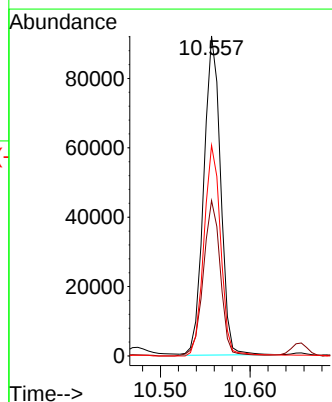
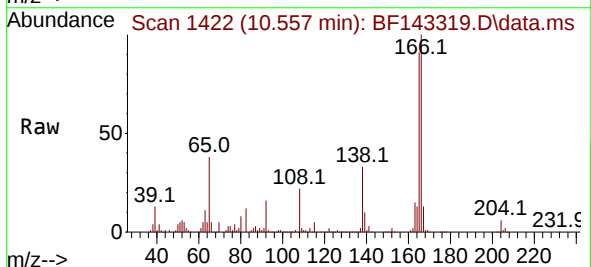
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040EC

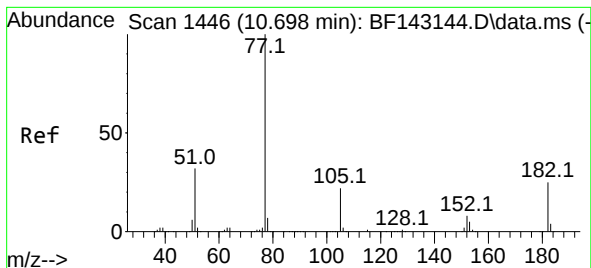
Tgt Ion:204 Resp: 214710  
Ion Ratio Lower Upper  
204 100  
206 32.5 25.8 38.8  
141 58.2 47.0 70.4



#62  
4-Nitroaniline  
Concen: 52.351 ng  
RT: 10.557 min Scan# 1422  
Delta R.T. 0.000 min  
Lab File: BF143319.D  
Acq: 05 Aug 2025 16:54

Tgt Ion:138 Resp: 119776  
Ion Ratio Lower Upper  
138 100  
92 48.5 29.3 69.3  
108 65.8 48.3 88.3

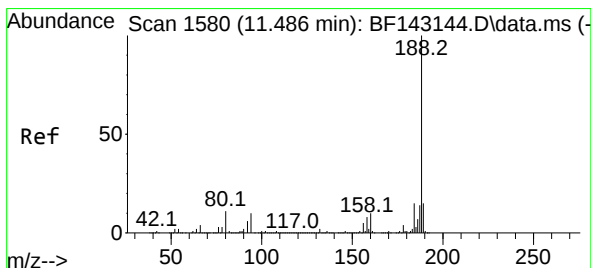
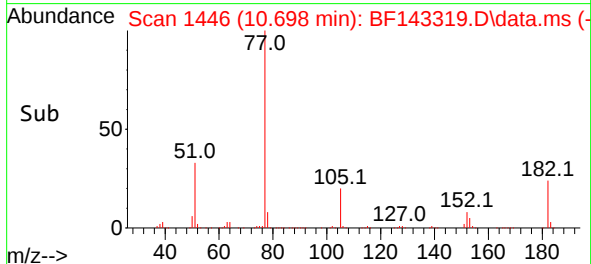
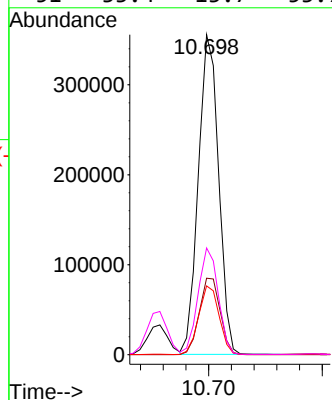
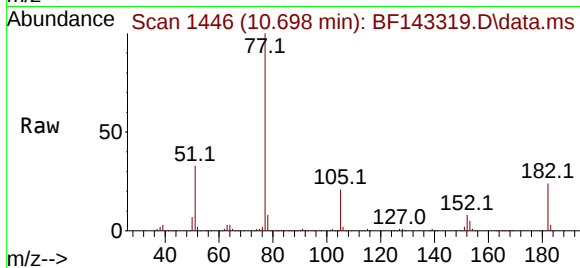




#63  
Azobenzene  
Concen: 38.157 ng  
RT: 10.698 min Scan# 1446  
Delta R.T. 0.000 min  
Lab File: BF143319.D  
Acq: 05 Aug 2025 16:54

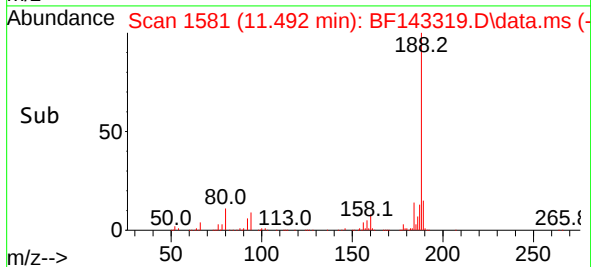
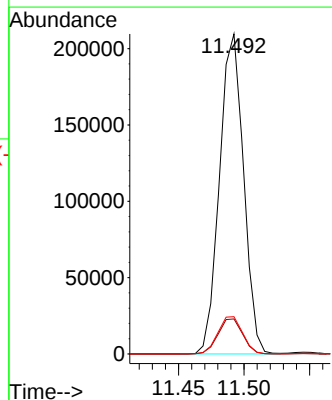
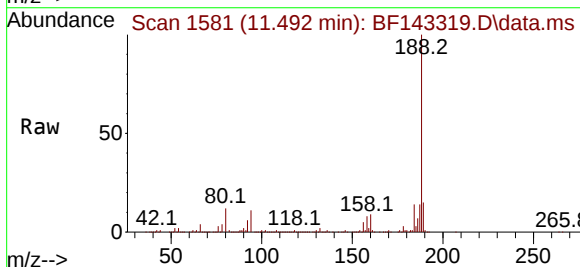
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040EC

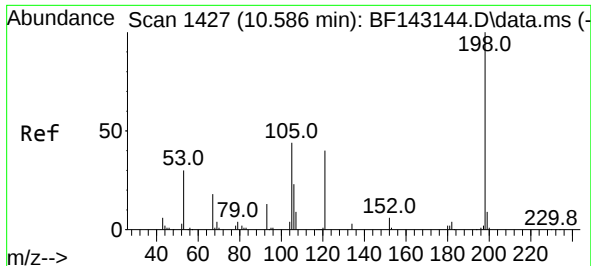
|             |              |
|-------------|--------------|
| Tgt Ion: 77 | Resp: 440989 |
| Ion Ratio   | Lower Upper  |
| 77 100      |              |
| 182 23.9    | 4.6 44.6     |
| 105 21.5    | 1.4 41.4     |
| 51 33.4     | 13.7 53.7    |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.492 min Scan# 1581  
Delta R.T. 0.006 min  
Lab File: BF143319.D  
Acq: 05 Aug 2025 16:54

|             |              |
|-------------|--------------|
| Tgt Ion:188 | Resp: 266991 |
| Ion Ratio   | Lower Upper  |
| 188 100     |              |
| 94 11.0     | 8.3 12.5     |
| 80 11.7     | 9.0 13.6     |

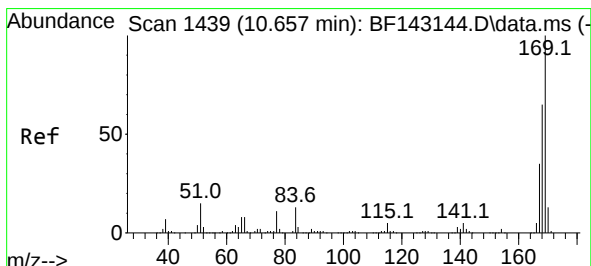
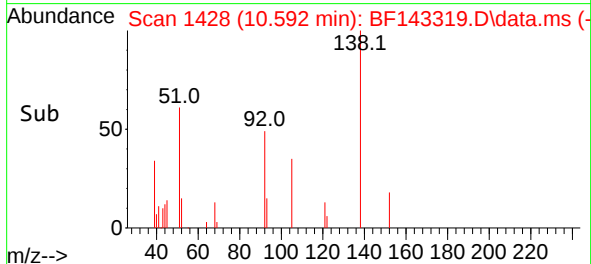
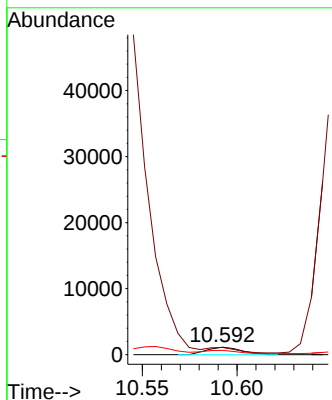
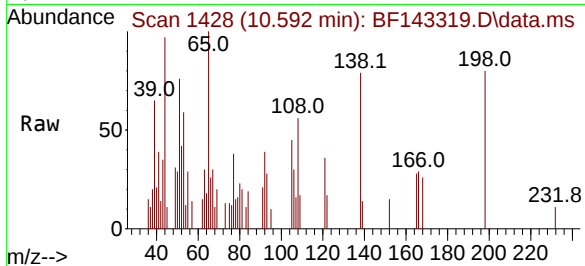




#65  
4,6-Dinitro-2-methylphenol  
Concen: 6.326 ng  
RT: 10.592 min Scan# 1428  
Delta R.T. 0.006 min  
Lab File: BF143319.D  
Acq: 05 Aug 2025 16:54

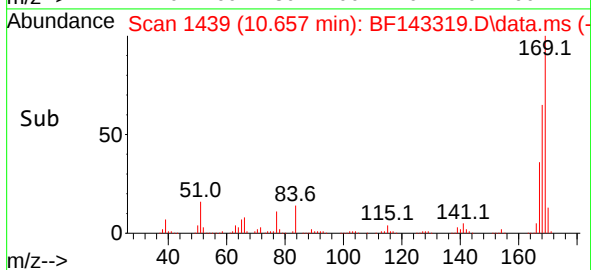
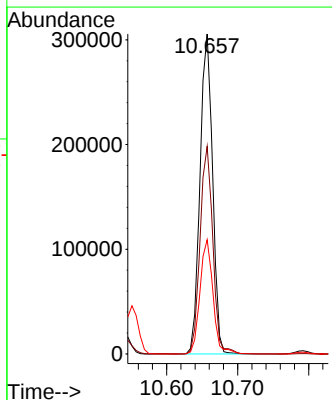
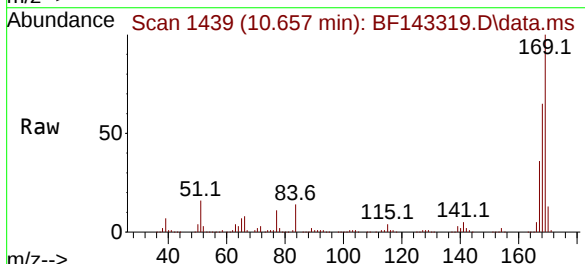
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040EC

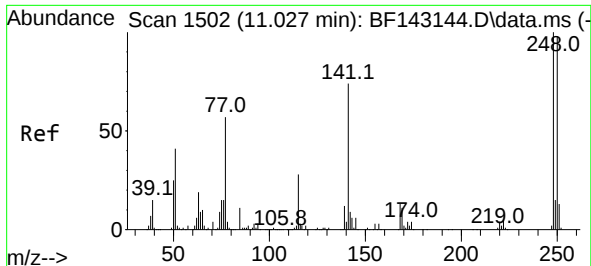
Tgt Ion:198 Resp: 1441  
Ion Ratio Lower Upper  
198 100  
51 95.0 37.2 77.2#  
105 56.3 24.8 64.8



#66  
n-Nitrosodiphenylamine  
Concen: 40.035 ng  
RT: 10.657 min Scan# 1439  
Delta R.T. 0.000 min  
Lab File: BF143319.D  
Acq: 05 Aug 2025 16:54

Tgt Ion:169 Resp: 376391  
Ion Ratio Lower Upper  
169 100  
168 64.9 52.1 78.1  
167 35.7 28.2 42.2

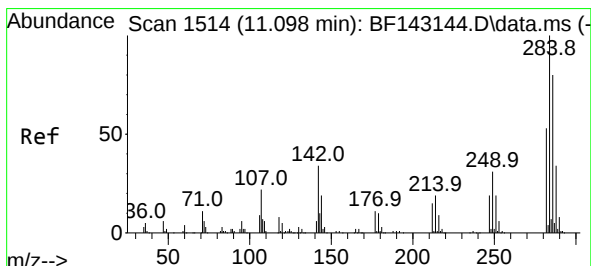
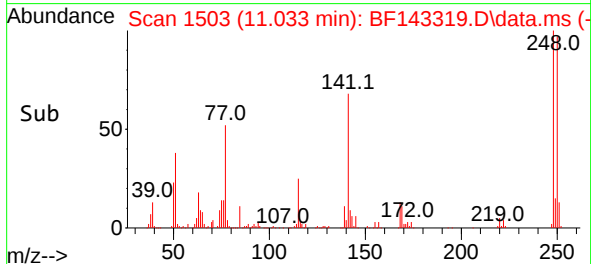
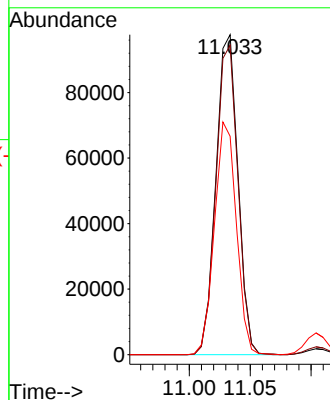
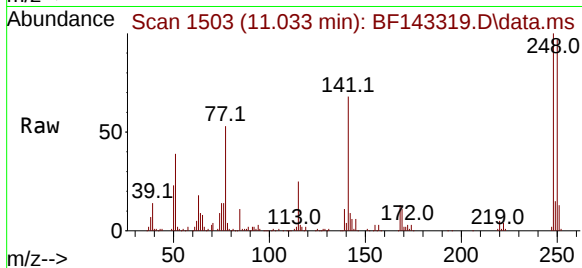




#67  
4-Bromophenyl-phenylether  
Concen: 38.674 ng  
RT: 11.033 min Scan# 11033  
Delta R.T. 0.006 min  
Lab File: BF143319.D  
Acq: 05 Aug 2025 16:54

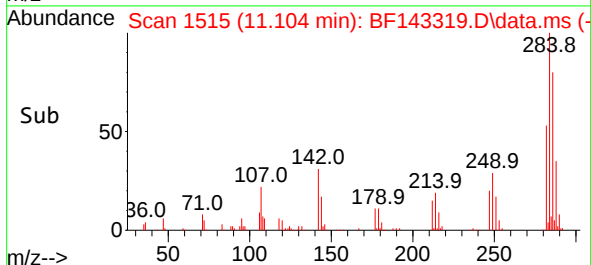
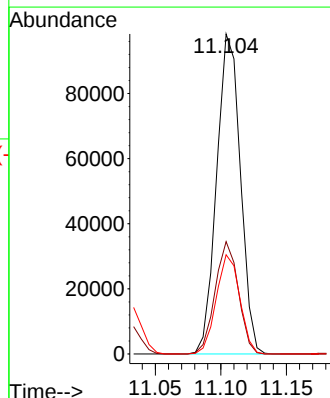
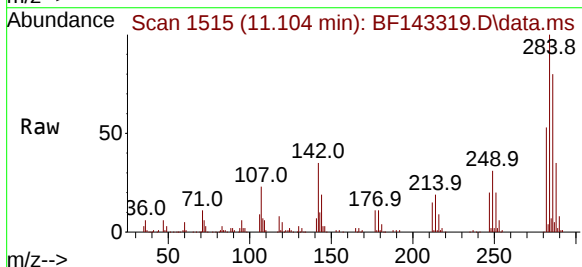
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040EC

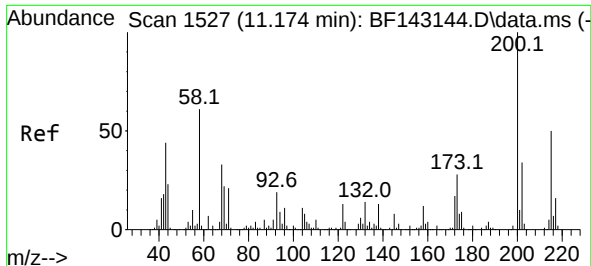
Tgt Ion:248 Resp: 123055  
Ion Ratio Lower Upper  
248 100  
250 96.7 78.3 117.5  
141 68.3 59.2 88.8



#68  
Hexachlorobenzene  
Concen: 37.156 ng  
RT: 11.104 min Scan# 1515  
Delta R.T. 0.006 min  
Lab File: BF143319.D  
Acq: 05 Aug 2025 16:54

Tgt Ion:284 Resp: 123569  
Ion Ratio Lower Upper  
284 100  
142 35.1 27.0 40.6  
249 31.0 25.0 37.6

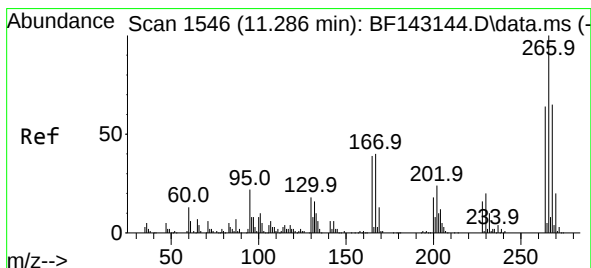
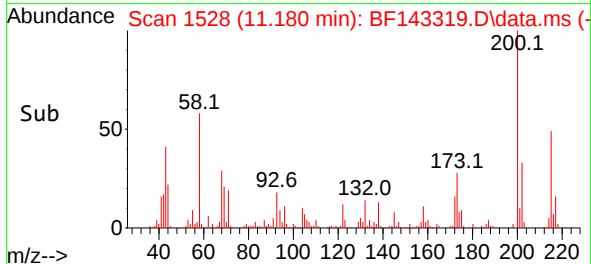
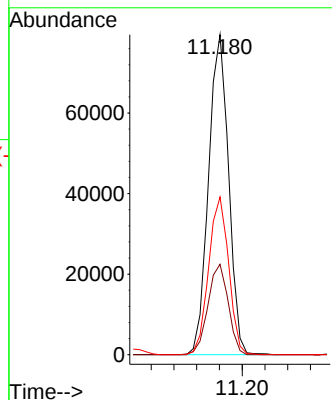
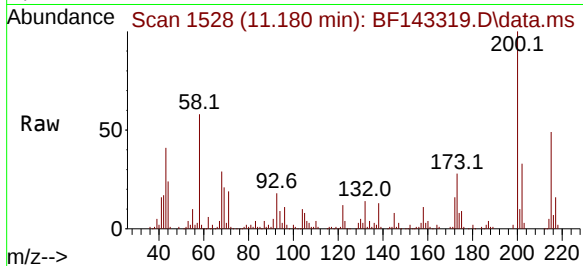




#69  
Atrazine  
Concen: 37.500 ng  
RT: 11.180 min Scan# 1527  
Delta R.T. 0.006 min  
Lab File: BF143319.D  
Acq: 05 Aug 2025 16:54

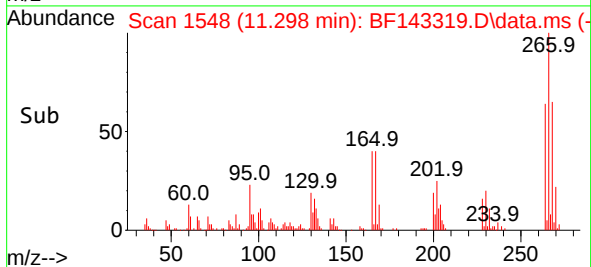
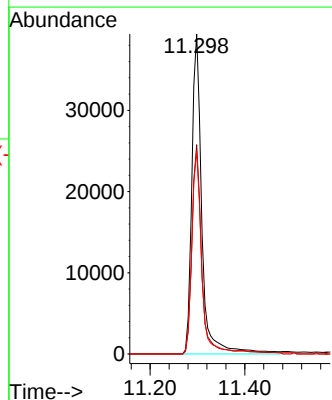
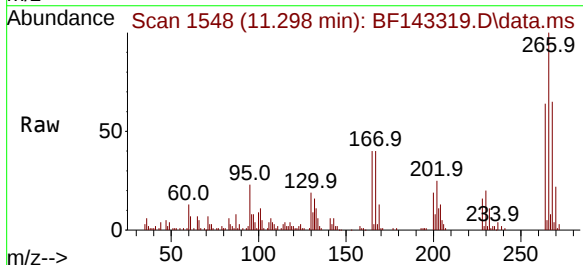
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040EC

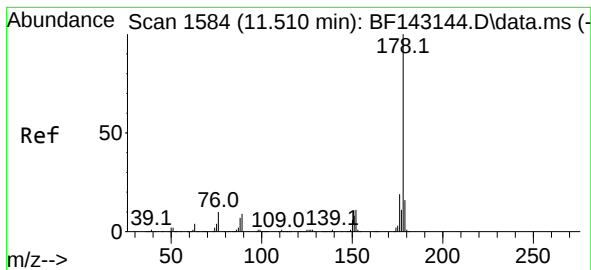
Tgt Ion:200 Resp: 97197  
Ion Ratio Lower Upper  
200 100  
173 28.2 7.9 47.9  
215 49.2 30.1 70.1



#70  
Pentachlorophenol  
Concen: 29.810 ng  
RT: 11.298 min Scan# 1548  
Delta R.T. 0.012 min  
Lab File: BF143319.D  
Acq: 05 Aug 2025 16:54

Tgt Ion:266 Resp: 58301  
Ion Ratio Lower Upper  
266 100  
268 65.4 51.9 77.9  
264 63.5 51.0 76.6





#71

Phenanthrene

Concen: 39.982 ng

RT: 11.516 min Scan# 11584

Delta R.T. 0.006 min

Lab File: BF143319.D

Acq: 05 Aug 2025 16:54

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040EC

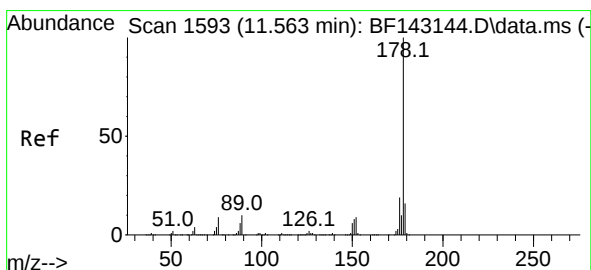
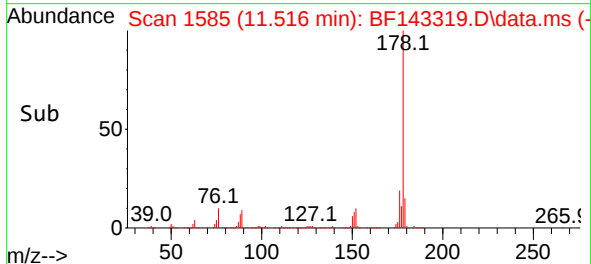
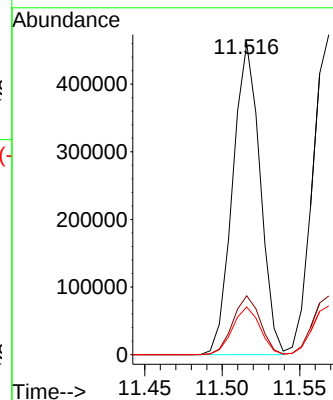
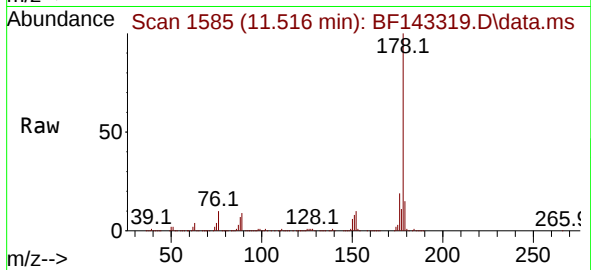
Tgt Ion:178 Resp: 566802

Ion Ratio Lower Upper

178 100

176 18.9 15.3 22.9

179 15.3 12.5 18.7



#72

Anthracene

Concen: 40.821 ng

RT: 11.569 min Scan# 1594

Delta R.T. 0.006 min

Lab File: BF143319.D

Acq: 05 Aug 2025 16:54

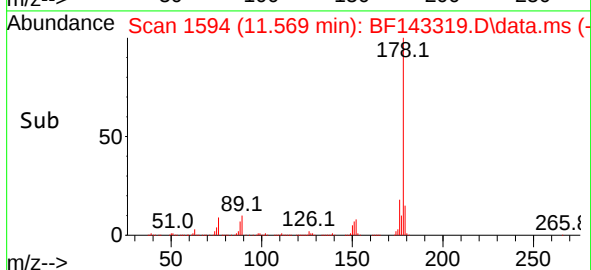
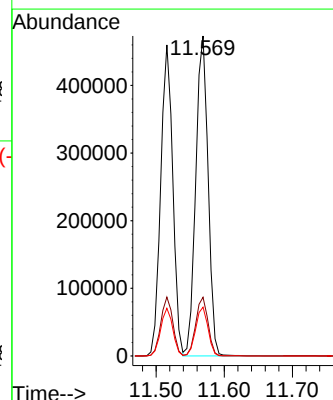
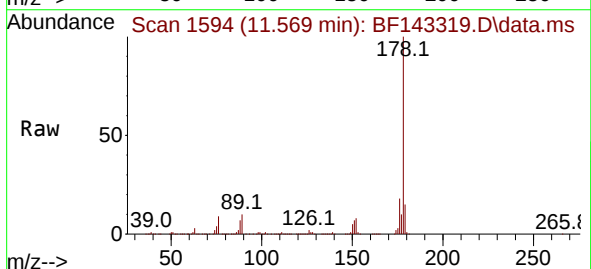
Tgt Ion:178 Resp: 590204

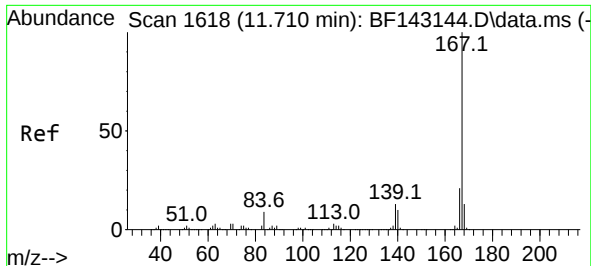
Ion Ratio Lower Upper

178 100

176 18.3 15.0 22.4

179 15.3 12.5 18.7

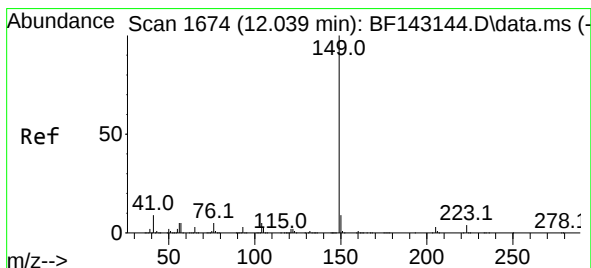
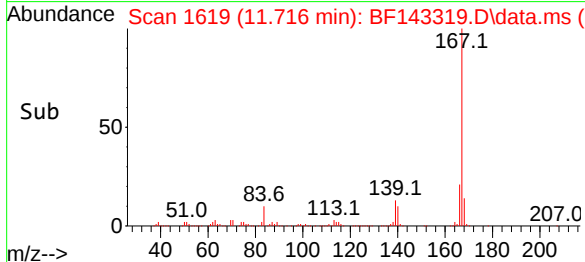
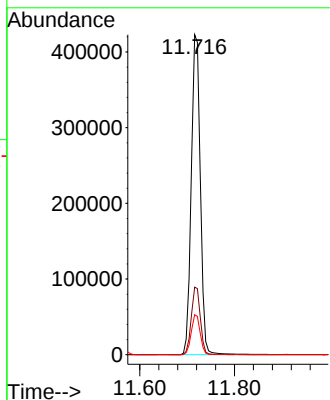
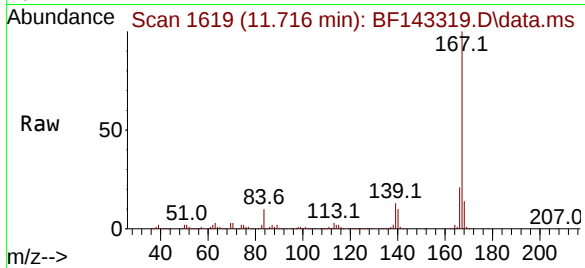




#73  
 Carbazole  
 Concen: 44.686 ng  
 RT: 11.716 min Scan# 1619  
 Delta R.T. 0.006 min  
 Lab File: BF143319.D  
 Acq: 05 Aug 2025 16:54

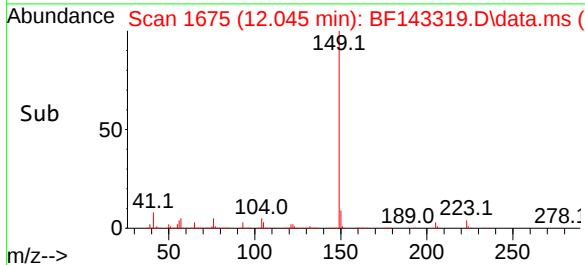
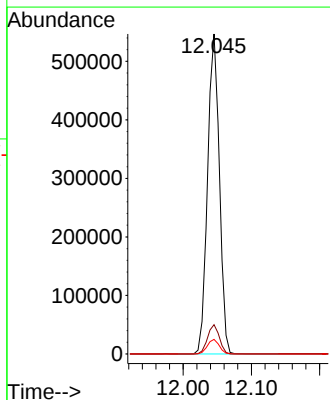
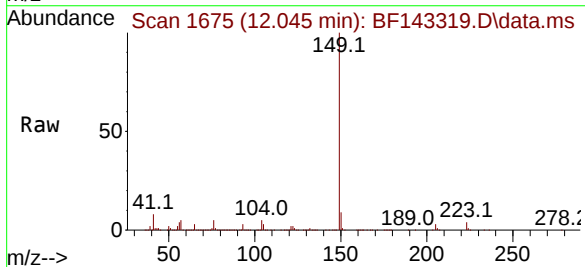
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040EC

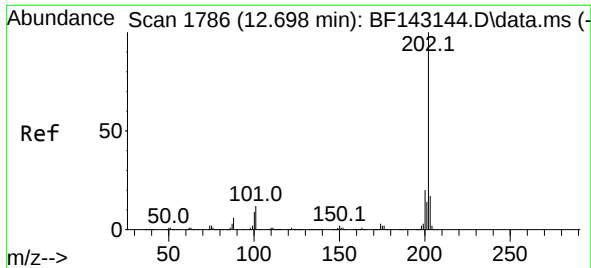
Tgt Ion:167 Resp: 564156  
 Ion Ratio Lower Upper  
 167 100  
 166 21.1 17.0 25.6  
 139 12.5 10.0 15.0



#74  
 Di-n-butylphthalate  
 Concen: 46.098 ng  
 RT: 12.045 min Scan# 1675  
 Delta R.T. 0.006 min  
 Lab File: BF143319.D  
 Acq: 05 Aug 2025 16:54

Tgt Ion:149 Resp: 658512  
 Ion Ratio Lower Upper  
 149 100  
 150 9.1 7.4 11.2  
 104 4.6 3.8 5.8

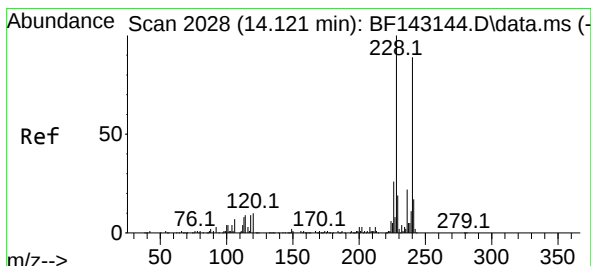
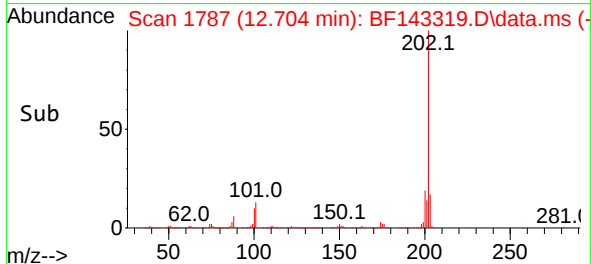
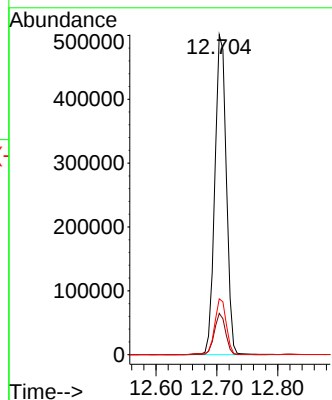
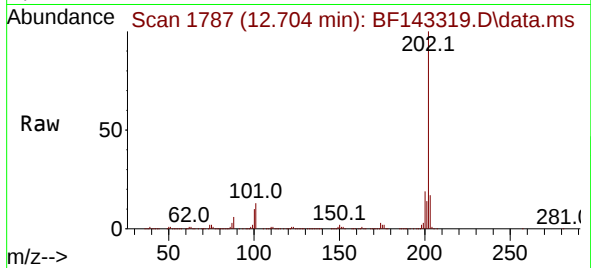




#75  
Fluoranthene  
Concen: 50.419 ng  
RT: 12.704 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF143319.D  
Acq: 05 Aug 2025 16:54

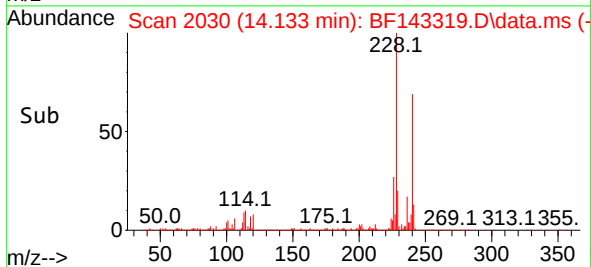
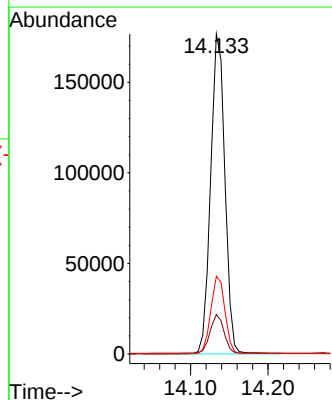
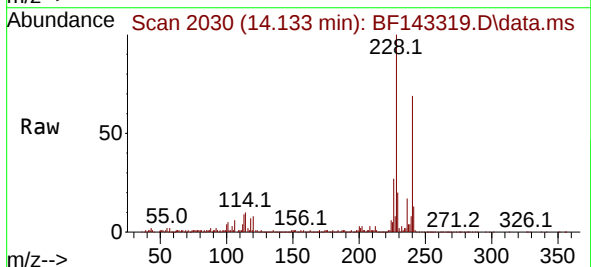
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040EC

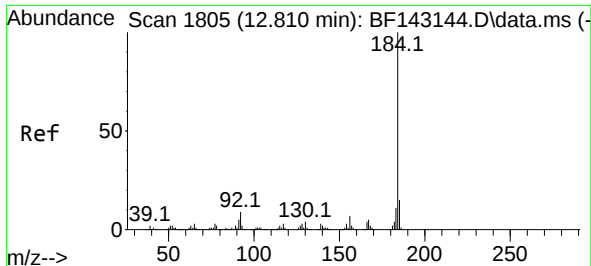
Tgt Ion:202 Resp: 656053  
Ion Ratio Lower Upper  
202 100  
101 12.9 0.0 31.7  
203 17.5 0.0 37.4



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.133 min Scan# 2030  
Delta R.T. 0.012 min  
Lab File: BF143319.D  
Acq: 05 Aug 2025 16:54

Tgt Ion:240 Resp: 225915  
Ion Ratio Lower Upper  
240 100  
120 12.4 9.4 14.2  
236 24.3 20.2 30.4

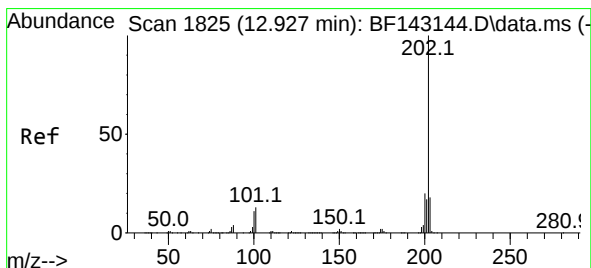
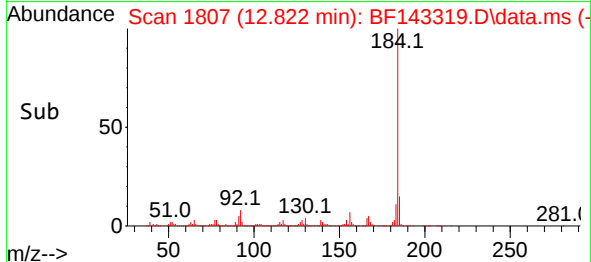
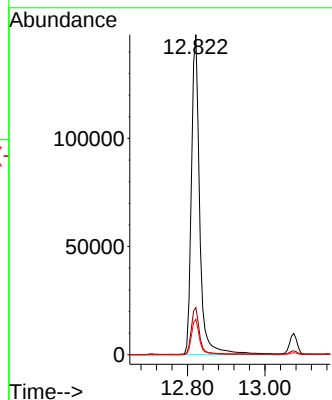
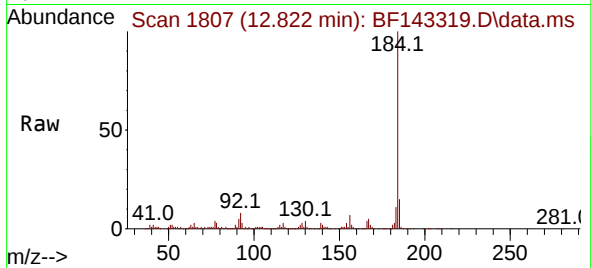




#77  
Benzidine  
Concen: 25.449 ng  
RT: 12.822 min Scan# 1807  
Delta R.T. 0.012 min  
Lab File: BF143319.D  
Acq: 05 Aug 2025 16:54

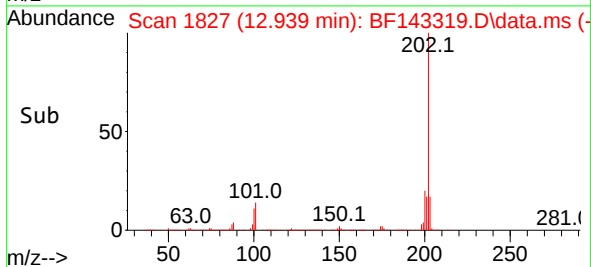
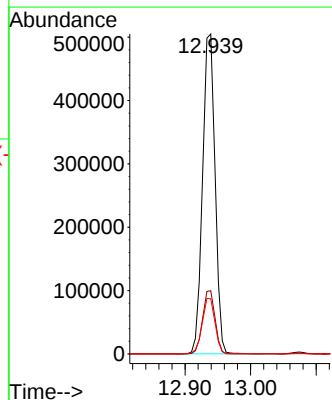
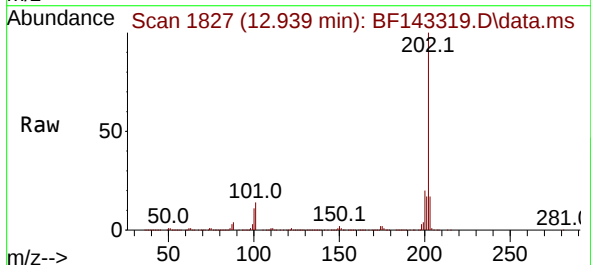
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040EC

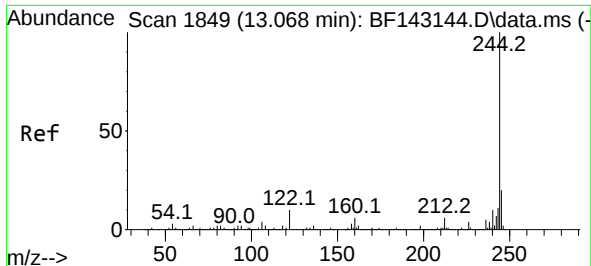
Tgt Ion:184 Resp: 221504  
Ion Ratio Lower Upper  
184 100  
185 14.7 12.2 18.4  
183 11.1 9.0 13.4



#78  
Pyrene  
Concen: 34.848 ng  
RT: 12.939 min Scan# 1827  
Delta R.T. 0.012 min  
Lab File: BF143319.D  
Acq: 05 Aug 2025 16:54

Tgt Ion:202 Resp: 671894  
Ion Ratio Lower Upper  
202 100  
200 19.8 15.7 23.5  
203 17.3 14.2 21.2

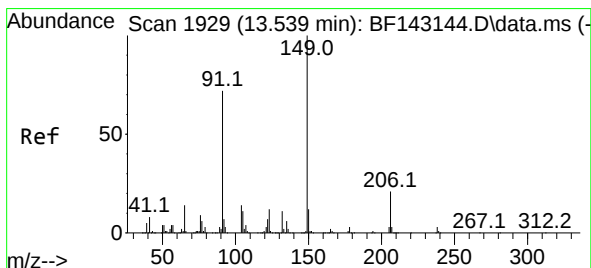
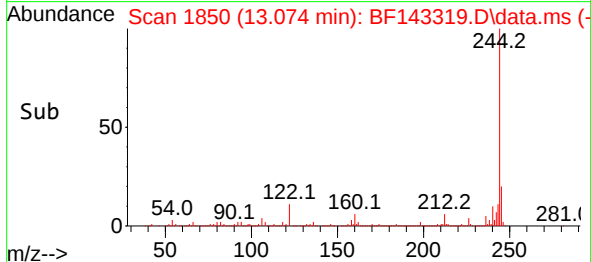
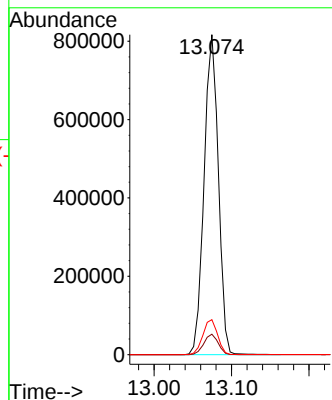
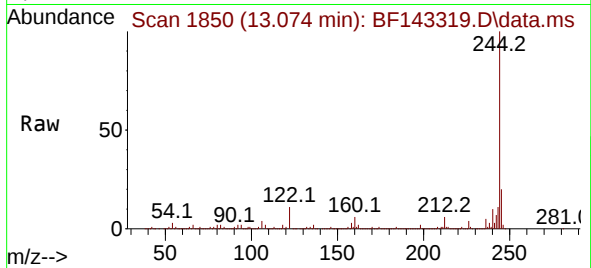




#79  
 Terphenyl-d14  
 Concen: 68.820 ng  
 RT: 13.074 min Scan# 1849  
 Delta R.T. 0.006 min  
 Lab File: BF143319.D  
 Acq: 05 Aug 2025 16:54

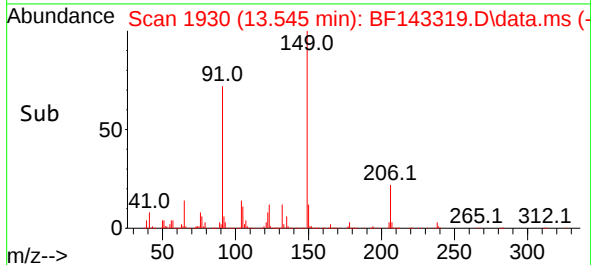
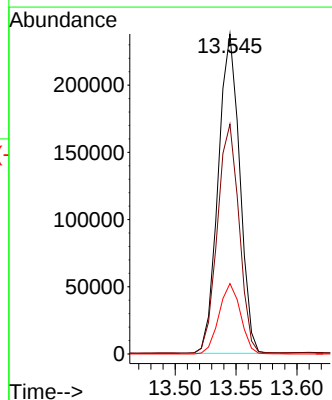
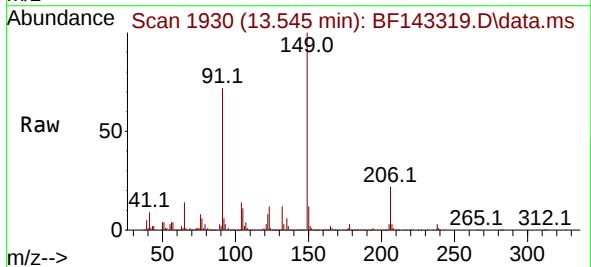
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040EC

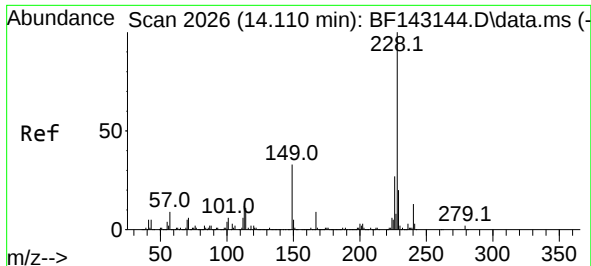
Tgt Ion:244 Resp: 1044774  
 Ion Ratio Lower Upper  
 244 100  
 212 6.4 5.2 7.8  
 122 11.0 8.2 12.2



#80  
 Butylbenzylphthalate  
 Concen: 49.458 ng  
 RT: 13.545 min Scan# 1930  
 Delta R.T. 0.006 min  
 Lab File: BF143319.D  
 Acq: 05 Aug 2025 16:54

Tgt Ion:149 Resp: 291998  
 Ion Ratio Lower Upper  
 149 100  
 91 71.8 57.9 86.9  
 206 22.0 17.0 25.4

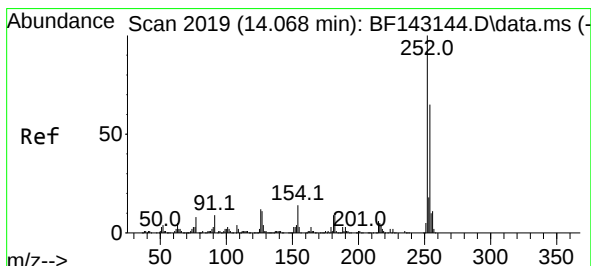
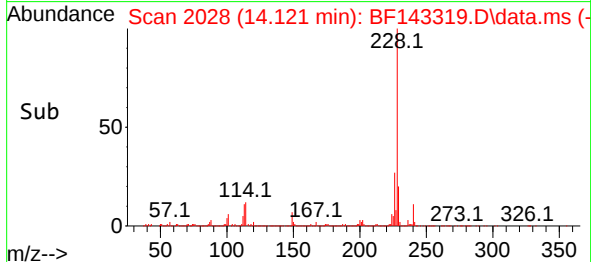
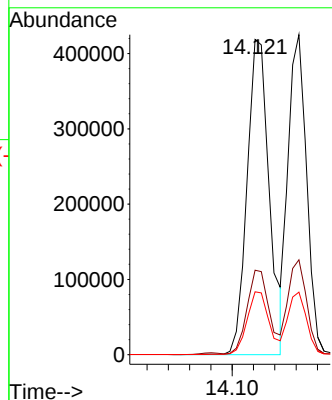
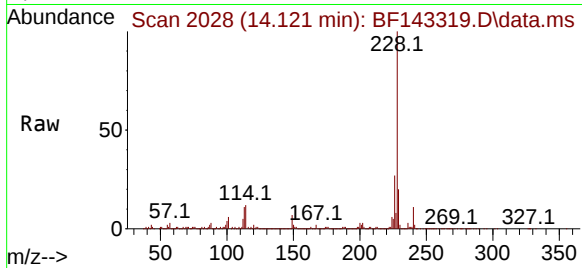




#81  
Benzo(a)anthracene  
Concen: 40.100 ng  
RT: 14.121 min Scan# 2026  
Delta R.T. 0.012 min  
Lab File: BF143319.D  
Acq: 05 Aug 2025 16:54

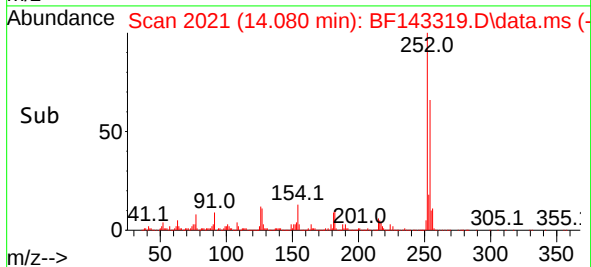
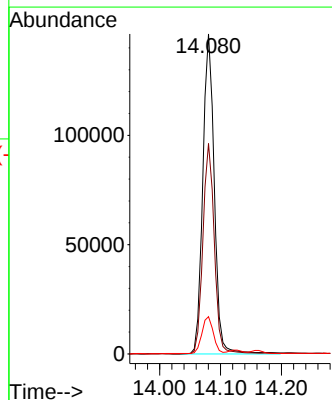
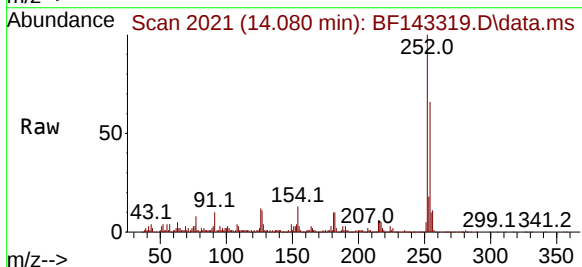
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040EC

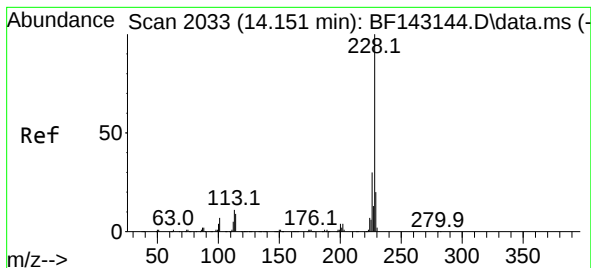
Tgt Ion:228 Resp: 606515  
Ion Ratio Lower Upper  
228 100  
226 26.8 21.7 32.5  
229 20.0 15.8 23.6



#82  
3,3'-Dichlorobenzidine  
Concen: 38.242 ng  
RT: 14.080 min Scan# 2021  
Delta R.T. 0.012 min  
Lab File: BF143319.D  
Acq: 05 Aug 2025 16:54

Tgt Ion:252 Resp: 192778  
Ion Ratio Lower Upper  
252 100  
254 65.7 51.7 77.5  
126 11.7 9.4 14.0





#83

Chrysene

Concen: 37.926 ng

RT: 14.163 min Scan# 2035

Delta R.T. 0.012 min

Lab File: BF143319.D

Acq: 05 Aug 2025 16:54

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040EC

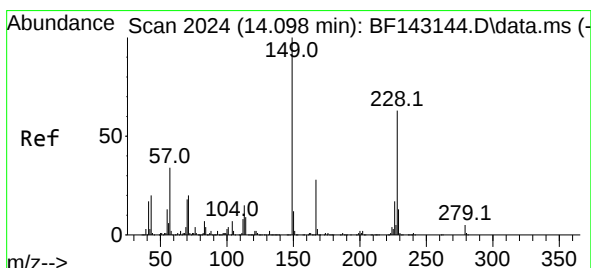
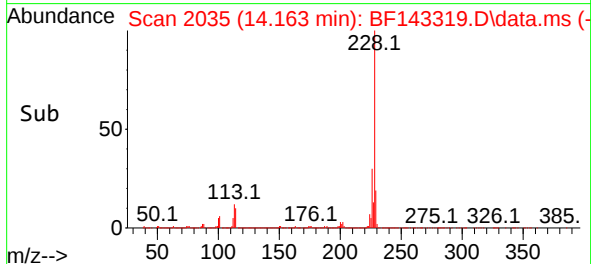
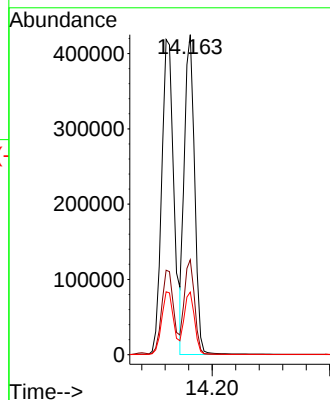
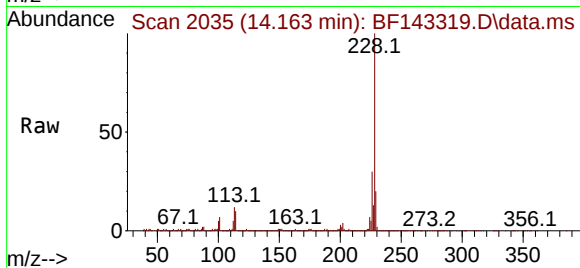
Tgt Ion:228 Resp: 515742

Ion Ratio Lower Upper

228 100

226 29.7 23.8 35.8

229 19.6 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 46.851 ng

RT: 14.104 min Scan# 2025

Delta R.T. 0.006 min

Lab File: BF143319.D

Acq: 05 Aug 2025 16:54

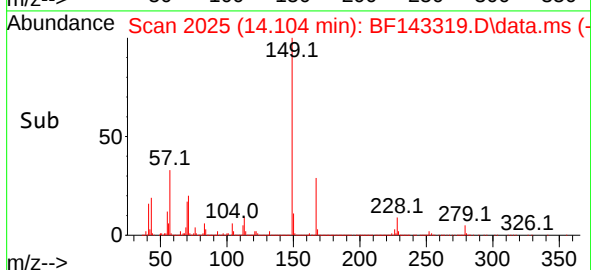
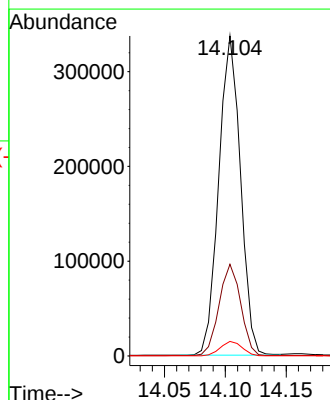
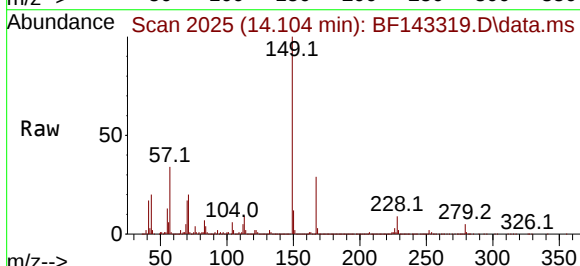
Tgt Ion:149 Resp: 418675

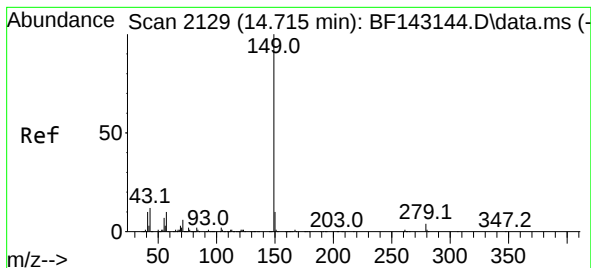
Ion Ratio Lower Upper

149 100

167 28.6 22.3 33.5

279 4.6 3.6 5.4





#85

Di-n-octyl phthalate

Concen: 41.890 ng

RT: 14.721 min Scan# 2129

Delta R.T. 0.006 min

Lab File: BF143319.D

Acq: 05 Aug 2025 16:54

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040EC

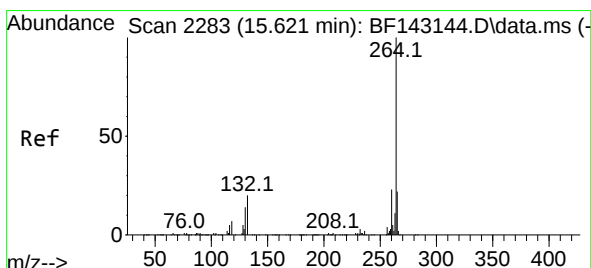
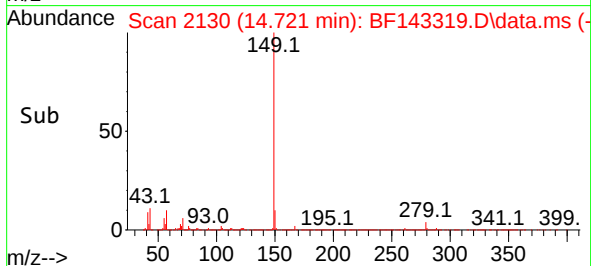
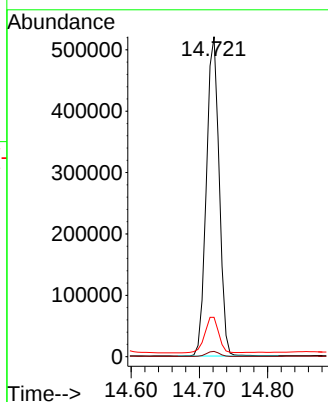
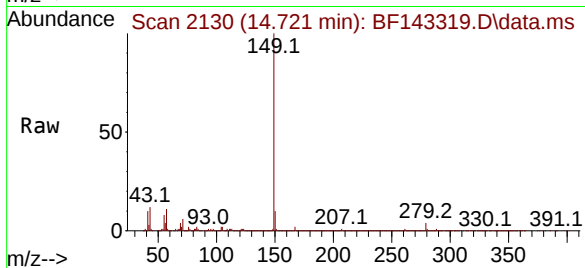
Tgt Ion:149 Resp: 678536

Ion Ratio Lower Upper

149 100

167 1.6 1.1 1.7

43 12.2 9.7 14.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.645 min Scan# 2287

Delta R.T. 0.024 min

Lab File: BF143319.D

Acq: 05 Aug 2025 16:54

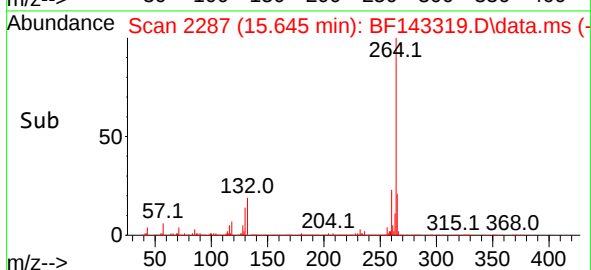
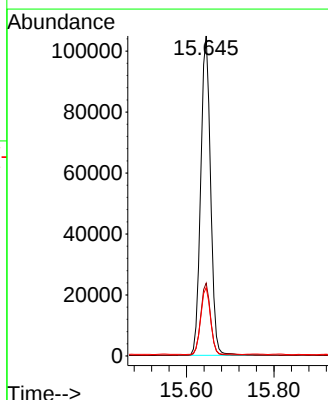
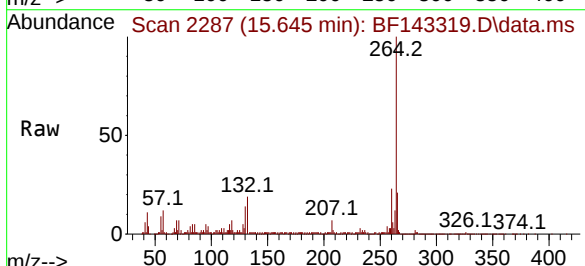
Tgt Ion:264 Resp: 164343

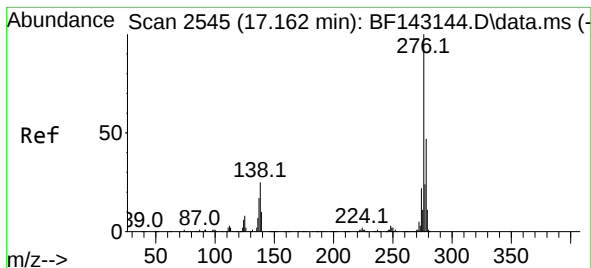
Ion Ratio Lower Upper

264 100

260 22.8 18.5 27.7

265 21.4 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 33.390 ng

RT: 17.198 min Scan# 2111

Delta R.T. 0.035 min

Lab File: BF143319.D

Acq: 05 Aug 2025 16:54

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040EC

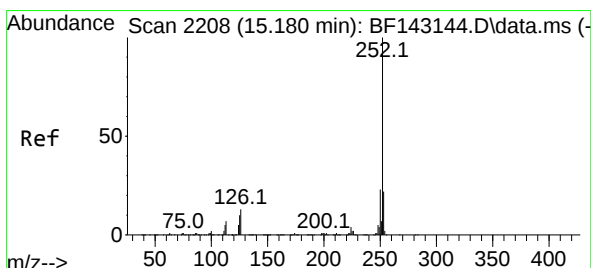
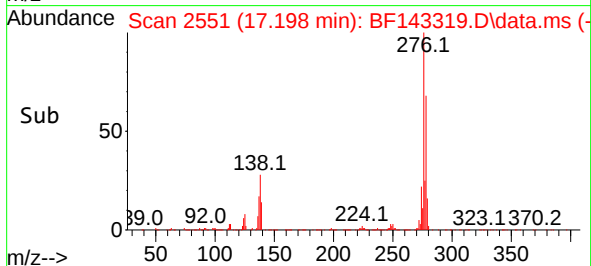
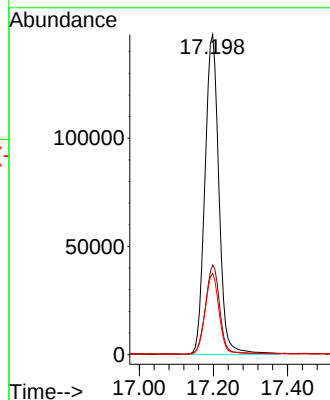
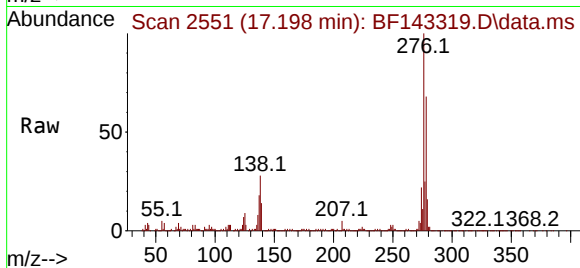
Tgt Ion:276 Resp: 386942

Ion Ratio Lower Upper

276 100

138 28.1 21.8 32.6

277 25.5 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 41.759 ng

RT: 15.198 min Scan# 2211

Delta R.T. 0.018 min

Lab File: BF143319.D

Acq: 05 Aug 2025 16:54

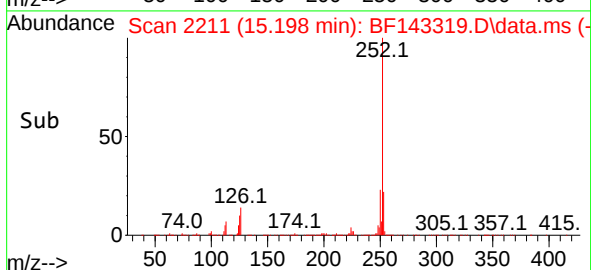
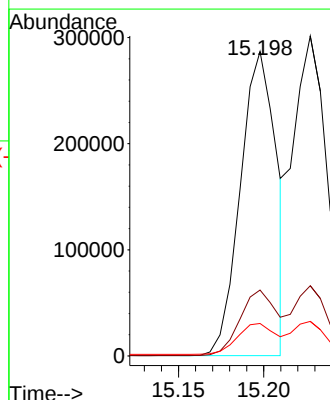
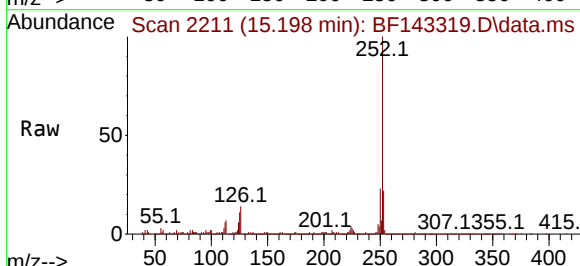
Tgt Ion:252 Resp: 419253

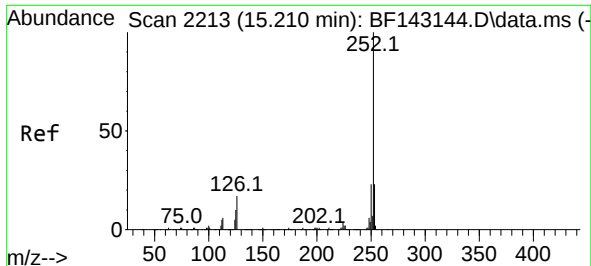
Ion Ratio Lower Upper

252 100

253 21.7 17.5 26.3

125 10.7 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 46.960 ng

RT: 15.227 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF143319.D

Acq: 05 Aug 2025 16:54

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040EC

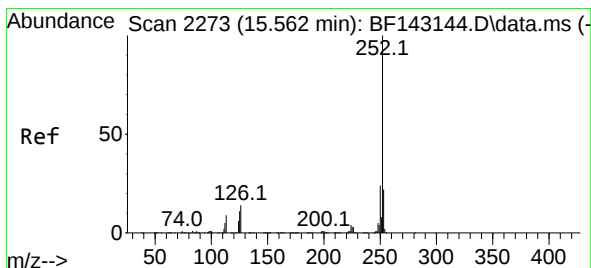
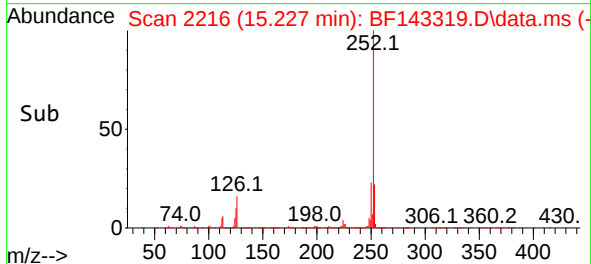
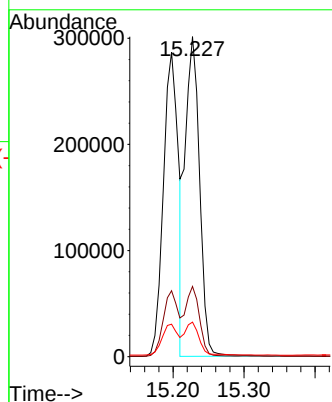
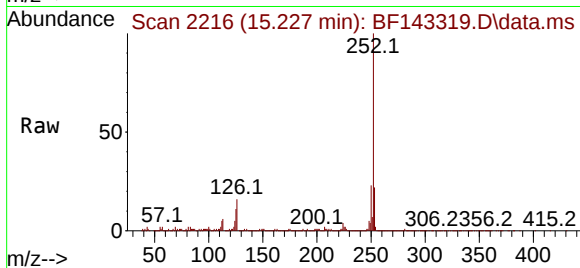
Tgt Ion:252 Resp: 420715

Ion Ratio Lower Upper

252 100

253 21.9 17.8 26.6

125 10.8 8.1 12.1



#90

Benzo(a)pyrene

Concen: 40.340 ng

RT: 15.580 min Scan# 2276

Delta R.T. 0.018 min

Lab File: BF143319.D

Acq: 05 Aug 2025 16:54

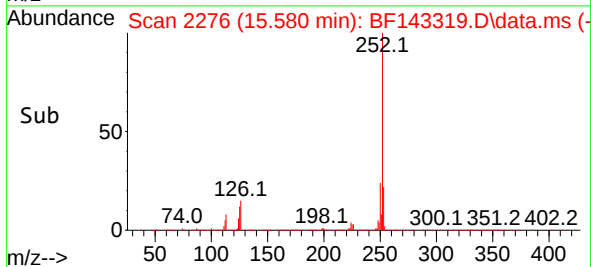
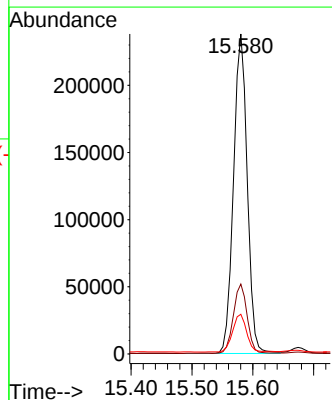
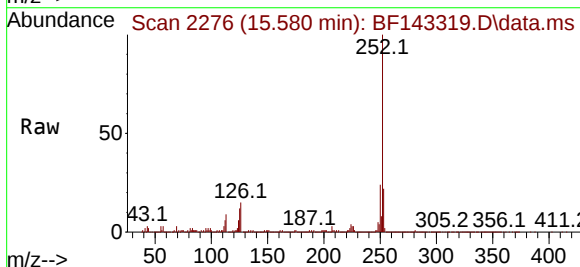
Tgt Ion:252 Resp: 373155

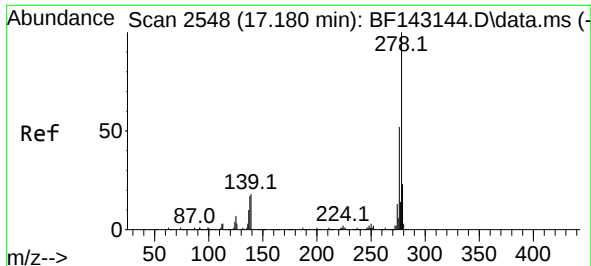
Ion Ratio Lower Upper

252 100

253 21.8 17.3 25.9

125 12.4 8.6 13.0

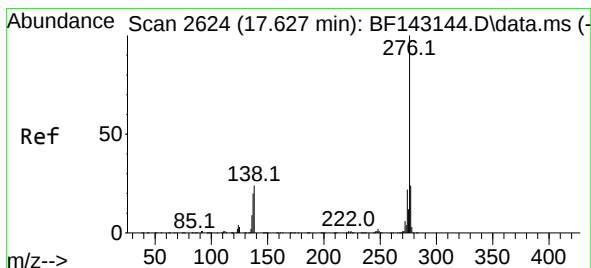
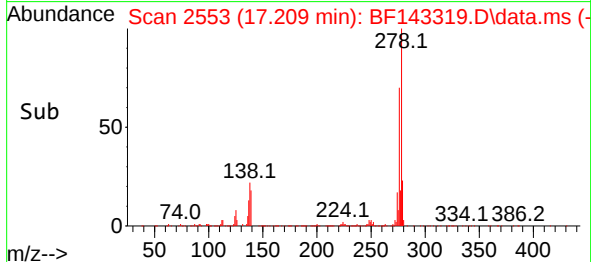
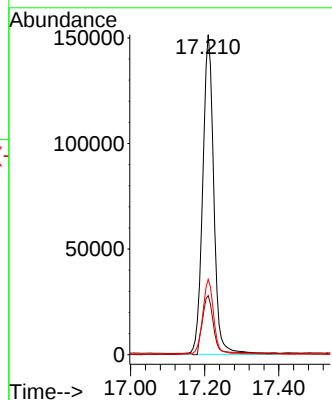
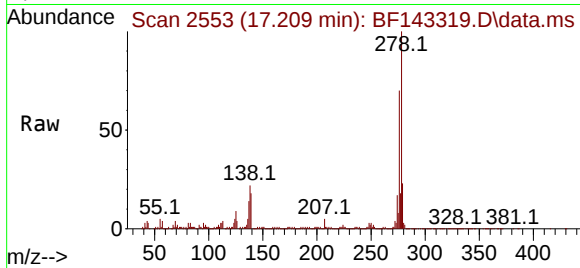




#91  
Dibenzo(a,h)anthracene  
Concen: 33.399 ng  
RT: 17.209 min Scan# 21  
Delta R.T. 0.030 min  
Lab File: BF143319.D  
Acq: 05 Aug 2025 16:54

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040EC

Tgt Ion:278 Resp: 315027  
Ion Ratio Lower Upper  
278 100  
139 18.4 14.1 21.1  
279 23.5 18.6 28.0



#92  
Benzo(g,h,i)perylene  
Concen: 33.545 ng  
RT: 17.662 min Scan# 2630  
Delta R.T. 0.035 min  
Lab File: BF143319.D  
Acq: 05 Aug 2025 16:54

Tgt Ion:276 Resp: 306065  
Ion Ratio Lower Upper  
276 100  
277 23.0 19.1 28.7  
138 24.2 18.9 28.3

