

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF070825\  
 Data File : BF143033.D  
 Acq On : 08 Jul 2025 15:03  
 Operator : RC/JU  
 Sample : Q2514-08MSD  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-78MSD

Quant Time: Jul 08 15:23:16 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF061925.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 24 05:28:21 2025  
 Response via : Initial Calibration

| Compound                  | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|---------------------------|--------|------|----------|--------|-------|----------|
| -----                     |        |      |          |        |       |          |
| Internal Standards        |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4 | 6.875  | 152  | 51205    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.157  | 136  | 192135   | 20.000 | ng    | -0.01    |
| 39) Acenaphthene-d10      | 9.916  | 164  | 95468    | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.410 | 188  | 140156   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12          | 14.057 | 240  | 99167    | 20.000 | ng    | 0.00     |
| 86) Perylene-d12          | 15.551 | 264  | 122553   | 20.000 | ng    | 0.00     |

|                             |        |     |        |        |    |       |
|-----------------------------|--------|-----|--------|--------|----|-------|
| System Monitoring Compounds |        |     |        |        |    |       |
| 5) 2-Fluorophenol           | 5.498  | 112 | 220678 | 71.753 | ng | 0.00  |
| 7) Phenol-d6                | 6.510  | 99  | 256713 | 70.749 | ng | 0.00  |
| 23) Nitrobenzene-d5         | 7.440  | 82  | 160751 | 45.891 | ng | 0.00  |
| 42) 2,4,6-Tribromophenol    | 10.710 | 330 | 63074  | 64.202 | ng | 0.00  |
| 45) 2-Fluorobiphenyl        | 9.234  | 172 | 332194 | 45.711 | ng | -0.01 |
| 79) Terphenyl-d14           | 12.992 | 244 | 244393 | 34.051 | ng | 0.00  |

|                               |       |     |         |        |        |      |
|-------------------------------|-------|-----|---------|--------|--------|------|
| Target Compounds              |       |     |         |        | Qvalue |      |
| 2) 1,4-Dioxane                | 2.652 | 88  | 41425   | 33.675 | ng     | 99   |
| 3) Pyridine                   | 3.428 | 79  | 110840  | 35.941 | ng     | 98   |
| 4) n-Nitrosodimethylamine     | 3.375 | 42  | 63480   | 39.806 | ng     | 98   |
| 6) Aniline                    | 6.534 | 93  | 173037  | 35.840 | ng     | # 83 |
| 8) 2-Chlorophenol             | 6.663 | 128 | 143342  | 43.206 | ng     | 97   |
| 9) Benzaldehyde               | 6.422 | 77  | 95696   | 44.454 | ng     | 99   |
| 10) Phenol                    | 6.522 | 94  | 170076  | 42.167 | ng     | 91   |
| 11) bis(2-Chloroethyl)ether   | 6.604 | 93  | 123783  | 42.940 | ng     | 98   |
| 12) 1,3-Dichlorobenzene       | 6.816 | 146 | 156185  | 42.094 | ng     | 99   |
| 13) 1,4-Dichlorobenzene       | 6.892 | 146 | 159155  | 42.516 | ng     | 98   |
| 14) 1,2-Dichlorobenzene       | 7.045 | 146 | 152342  | 42.906 | ng     | 99   |
| 15) Benzyl Alcohol            | 7.016 | 79  | 112578  | 42.917 | ng     | 99   |
| 16) 2,2'-oxybis(1-Chloropr... | 7.145 | 45  | 184664  | 39.872 | ng     | 84   |
| 17) 2-Methylphenol            | 7.128 | 107 | 107053  | 42.580 | ng     | 99   |
| 18) Hexachloroethane          | 7.387 | 117 | 56111   | 42.854 | ng     | 95   |
| 19) n-Nitroso-di-n-propyla... | 7.281 | 70  | 89720   | 42.514 | ng     | 99   |
| 20) 3+4-Methylphenols         | 7.287 | 107 | 134533  | 42.918 | ng     | 94   |
| 22) Acetophenone              | 7.281 | 105 | 189191  | 44.653 | ng     | 99   |
| 24) Nitrobenzene              | 7.457 | 77  | 135358  | 42.694 | ng     | 98   |
| 25) Isophorone                | 7.698 | 82  | 236004  | 42.000 | ng     | 99   |
| 26) 2-Nitrophenol             | 7.775 | 139 | 77296   | 44.756 | ng     | 98   |
| 27) 2,4-Dimethylphenol        | 7.810 | 122 | 127624m | 42.661 | ng     |      |
| 28) bis(2-Chloroethoxy)met... | 7.904 | 93  | 153437  | 42.951 | ng     | 99   |
| 29) 2,4-Dichlorophenol        | 8.022 | 162 | 115869  | 42.716 | ng     | 99   |
| 30) 1,2,4-Trichlorobenzene    | 8.098 | 180 | 127107  | 42.614 | ng     | 100  |
| 31) Naphthalene               | 8.181 | 128 | 404703  | 43.032 | ng     | 99   |
| 32) Benzoic acid              | 7.922 | 122 | 8865    | 5.814  | ng     | 98   |
| 33) 4-Chloroaniline           | 8.228 | 127 | 123350  | 32.256 | ng     | 98   |
| 34) Hexachlorobutadiene       | 8.292 | 225 | 80457   | 44.099 | ng     | 99   |
| 35) Caprolactam               | 8.592 | 113 | 24702   | 34.511 | ng     | 97   |
| 36) 4-Chloro-3-methylphenol   | 8.716 | 107 | 111296  | 41.285 | ng     | 99   |
| 37) 2-Methylnaphthalene       | 8.875 | 142 | 253287  | 43.441 | ng     | 100  |
| 38) 1-Methylnaphthalene       | 8.969 | 142 | 259322  | 42.965 | ng     | 99   |
| 40) 1,2,4,5-Tetrachloroben... | 9.039 | 216 | 128069  | 45.464 | ng     | 100  |
| 41) Hexachlorocyclopentadiene | 9.022 | 237 | 115000  | 71.940 | ng     | 98   |
| 43) 2,4,6-Trichlorophenol     | 9.157 | 196 | 73987   | 40.307 | ng     | 99   |

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 Acq On : 08 Jul 2025 15:03  
 Operator : RC/JU  
 Sample : Q2514-08MSD  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

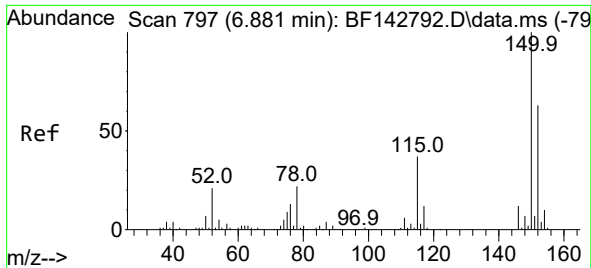
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 BNA\_F  
 ClientSampleId :  
 TP-78MSD

Quant Time: Jul 08 15:23:16 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF061925.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 24 05:28:21 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.198  | 196  | 79145    | 40.959 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 9.334  | 154  | 339559   | 45.026 | ng    | 100      |
| 47) 2-Chloronaphthalene       | 9.363  | 162  | 252079   | 44.542 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.463  | 65   | 70330    | 44.327 | ng    | 96       |
| 49) Acenaphthylene            | 9.781  | 152  | 410555   | 44.068 | ng    | 99       |
| 50) Dimethylphthalate         | 9.633  | 163  | 271727   | 43.971 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.704  | 165  | 61211    | 45.104 | ng    | 93       |
| 52) Acenaphthene              | 9.951  | 154  | 247761m  | 43.588 | ng    |          |
| 53) 3-Nitroaniline            | 9.875  | 138  | 51209    | 34.272 | ng    | 97       |
| 54) 2,4-Dinitrophenol         | 9.986  | 184  | 26920    | 39.615 | ng    | 98       |
| 55) Dibenzofuran              | 10.122 | 168  | 351286   | 43.098 | ng    | 99       |
| 56) 4-Nitrophenol             | 10.045 | 139  | 61338    | 59.963 | ng    | 97       |
| 57) 2,4-Dinitrotoluene        | 10.110 | 165  | 76627    | 42.508 | ng    | 95       |
| 58) Fluorene                  | 10.469 | 166  | 277382   | 43.574 | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.245 | 232  | 54216    | 34.809 | ng    | 96       |
| 60) Diethylphthalate          | 10.333 | 149  | 266892   | 44.048 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.457 | 204  | 132289   | 43.550 | ng    | 99       |
| 62) 4-Nitroaniline            | 10.486 | 138  | 55501    | 40.614 | ng    | 97       |
| 63) Azobenzene                | 10.616 | 77   | 243790   | 45.018 | ng    | 96       |
| 65) 4,6-Dinitro-2-methylph... | 10.522 | 198  | 28162    | 33.219 | ng    | 99       |
| 66) n-Nitrosodiphenylamine    | 10.575 | 169  | 229029   | 47.150 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.945 | 248  | 76388    | 47.889 | ng    | 96       |
| 68) Hexachlorobenzene         | 11.016 | 284  | 84907    | 47.904 | ng    | 98       |
| 69) Atrazine                  | 11.104 | 200  | 59237    | 47.225 | ng    | 99       |
| 70) Pentachlorophenol         | 11.216 | 266  | 44220    | 50.068 | ng    | 97       |
| 71) Phenanthrene              | 11.433 | 178  | 341483   | 44.978 | ng    | 100      |
| 72) Anthracene                | 11.486 | 178  | 348053   | 44.699 | ng    | 100      |
| 73) Carbazole                 | 11.639 | 167  | 287745   | 42.823 | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.963 | 149  | 337638   | 48.234 | ng    | 100      |
| 75) Fluoranthene              | 12.622 | 202  | 304602   | 42.274 | ng    | 100      |
| 77) Benzidine                 | 12.745 | 184  | 205738   | 55.220 | ng    | 99       |
| 78) Pyrene                    | 12.851 | 202  | 306793   | 33.005 | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.463 | 149  | 124253   | 46.082 | ng    | 97       |
| 81) Benzo(a)anthracene        | 14.045 | 228  | 297642   | 44.491 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 14.004 | 252  | 78228    | 36.051 | ng    | 98       |
| 83) Chrysene                  | 14.080 | 228  | 277545   | 46.494 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.021 | 149  | 180518   | 46.532 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.639 | 149  | 342049   | 46.759 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.080 | 276  | 336716   | 36.071 | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 15.115 | 252  | 341411   | 48.144 | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 15.145 | 252  | 308416   | 46.486 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.492 | 252  | 320836   | 46.832 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.092 | 278  | 271177   | 35.753 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.533 | 276  | 253133   | 33.469 | ng    | 98       |

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

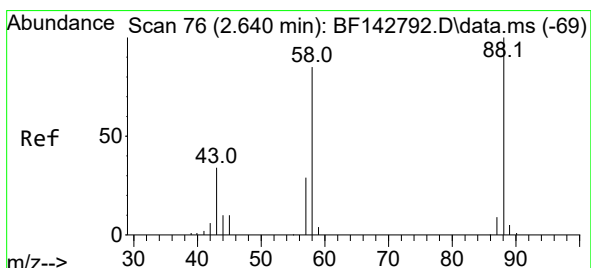
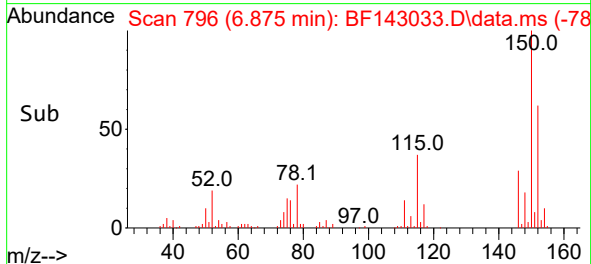
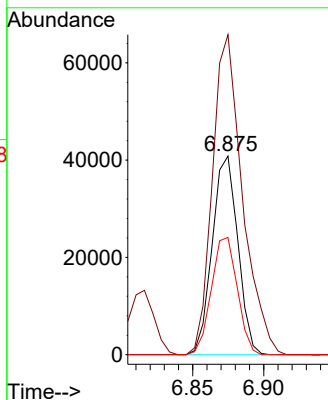
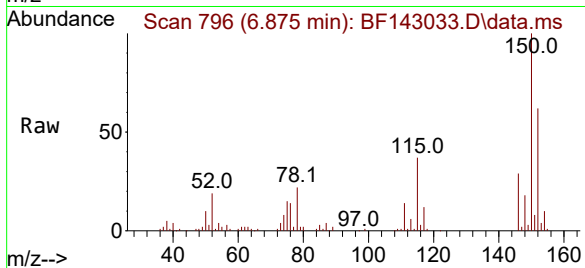




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.875 min Scan# 79  
 Delta R.T. -0.006 min  
 Lab File: BF143033.D  
 Acq: 08 Jul 2025 15:03

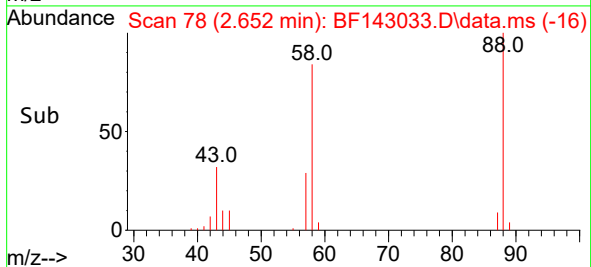
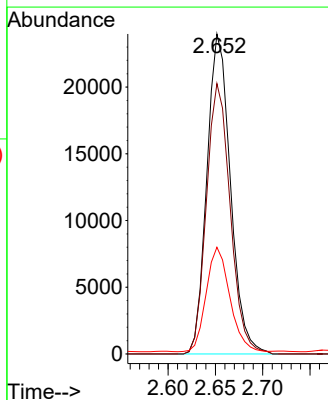
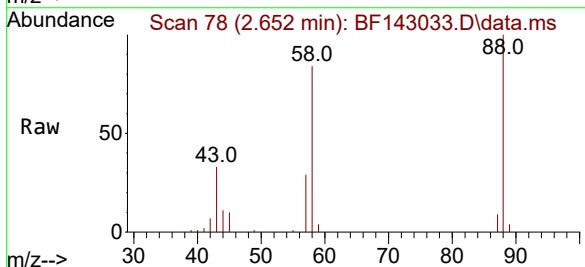
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-78MSD

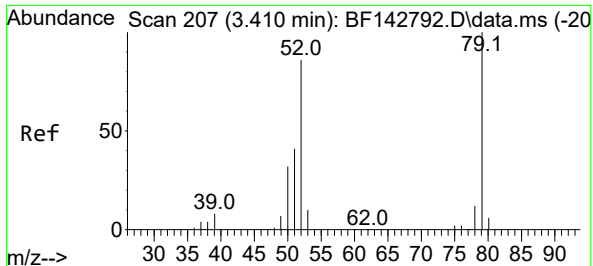
Tgt Ion:152 Resp: 51205  
 Ion Ratio Lower Upper  
 152 100  
 150 161.2 127.2 190.8  
 115 59.1 46.6 69.8



#2  
 1,4-Dioxane  
 Concen: 33.675 ng  
 RT: 2.652 min Scan# 78  
 Delta R.T. 0.012 min  
 Lab File: BF143033.D  
 Acq: 08 Jul 2025 15:03

Tgt Ion: 88 Resp: 41425  
 Ion Ratio Lower Upper  
 88 100  
 58 85.6 69.1 103.7  
 43 32.6 27.4 41.2

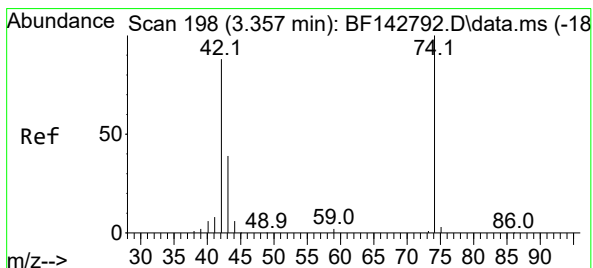
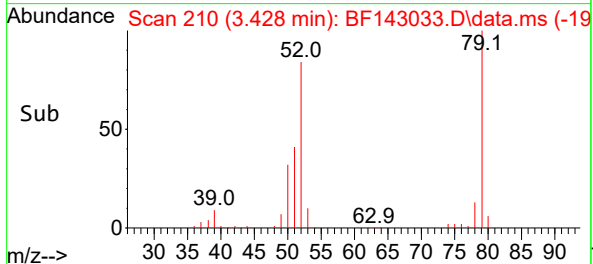
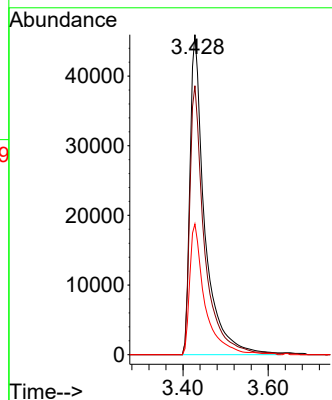
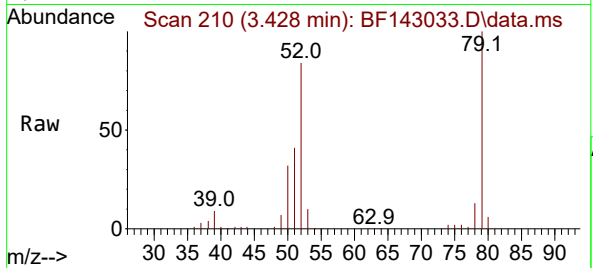




#3  
Pyridine  
Concen: 35.941 ng  
RT: 3.428 min Scan# 21  
Delta R.T. 0.018 min  
Lab File: BF143033.D  
Acq: 08 Jul 2025 15:03

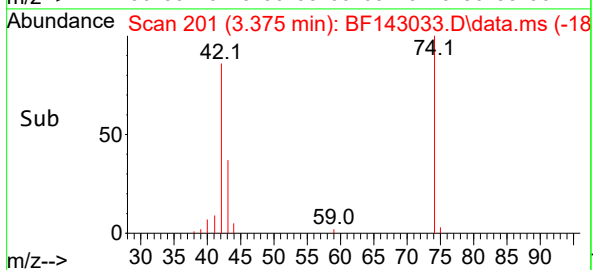
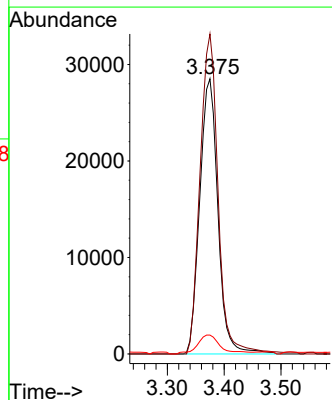
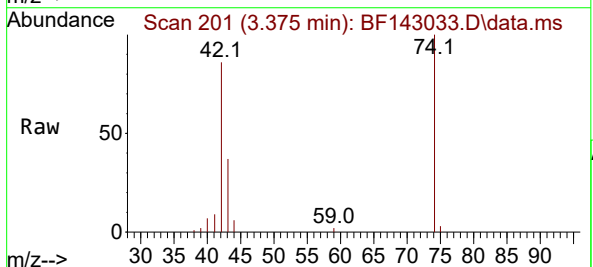
Instrument :  
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ClientSampleId :  
TP-78MSD

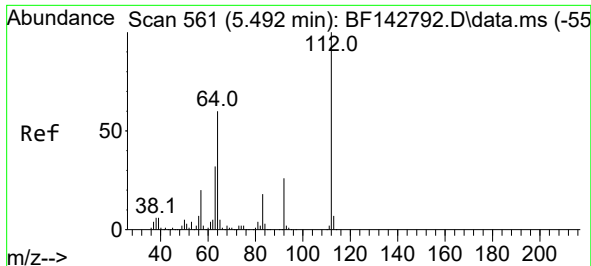
Tgt Ion: 79 Resp: 110840  
Ion Ratio Lower Upper  
79 100  
52 84.1 69.2 103.8  
51 40.9 33.2 49.8



#4  
n-Nitrosodimethylamine  
Concen: 39.806 ng  
RT: 3.375 min Scan# 201  
Delta R.T. 0.018 min  
Lab File: BF143033.D  
Acq: 08 Jul 2025 15:03

Tgt Ion: 42 Resp: 63480  
Ion Ratio Lower Upper  
42 100  
74 116.3 90.9 136.3  
44 6.9 5.8 8.6

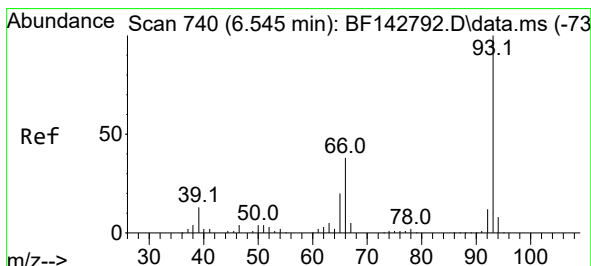
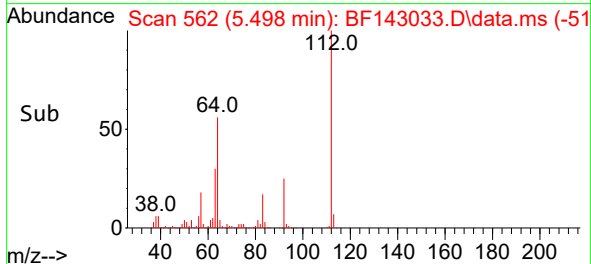
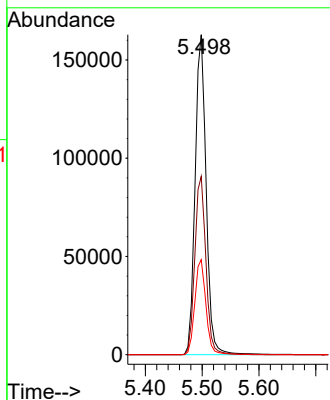
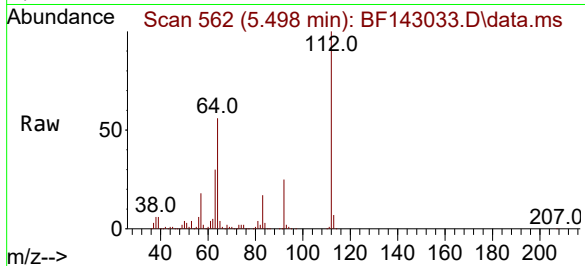




#5  
2-Fluorophenol  
Concen: 71.753 ng  
RT: 5.498 min Scan# 501  
Delta R.T. 0.006 min  
Lab File: BF143033.D  
Acq: 08 Jul 2025 15:03

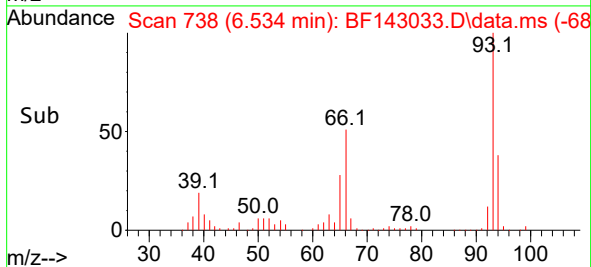
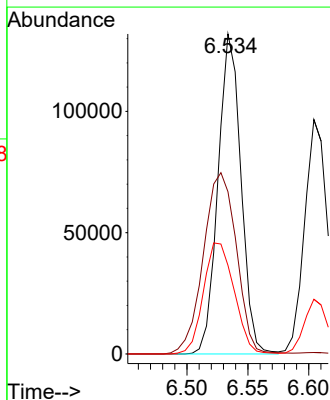
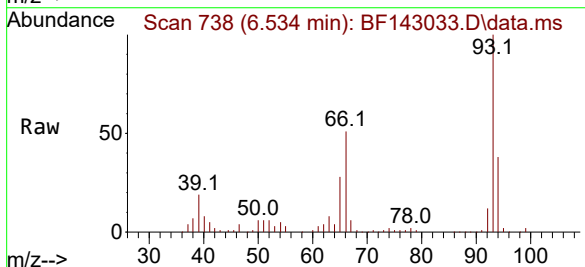
Instrument :  
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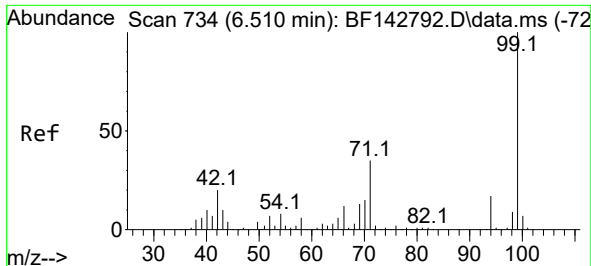
Tgt Ion:112 Resp: 220678  
Ion Ratio Lower Upper  
112 100  
64 55.7 48.2 72.2  
63 29.7 25.7 38.5



#6  
Aniline  
Concen: 35.840 ng  
RT: 6.534 min Scan# 738  
Delta R.T. -0.012 min  
Lab File: BF143033.D  
Acq: 08 Jul 2025 15:03

Tgt Ion: 93 Resp: 173037  
Ion Ratio Lower Upper  
93 100  
66 50.7 31.8 47.6#  
65 27.7 16.2 24.2#





#7

Phenol-d6

Concen: 70.749 ng

RT: 6.510 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

Instrument :

BNA\_F

ClientSampleId :

TP-78MSD

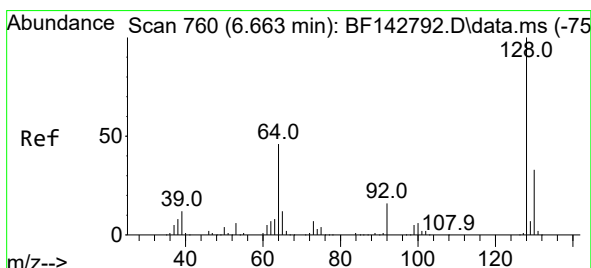
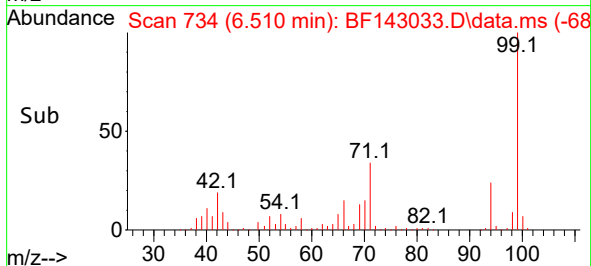
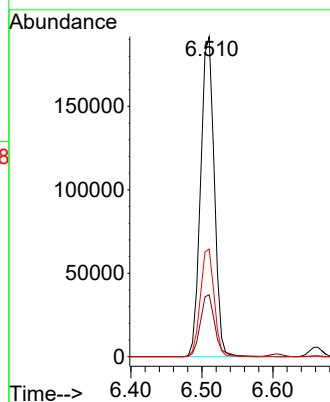
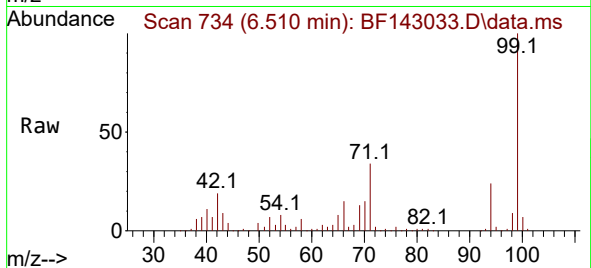
Tgt Ion: 99 Resp: 256713

Ion Ratio Lower Upper

99 100

42 19.3 15.9 23.9

71 33.7 27.8 41.8



#8

2-Chlorophenol

Concen: 43.206 ng

RT: 6.663 min Scan# 760

Delta R.T. 0.000 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

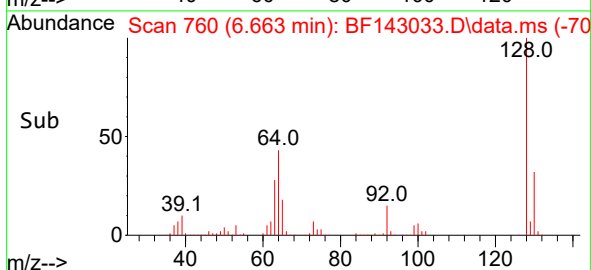
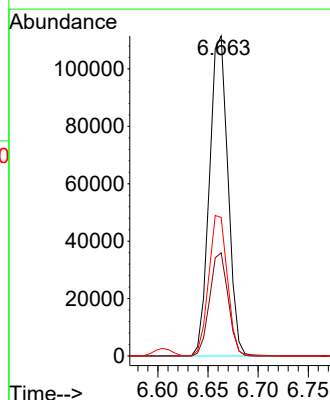
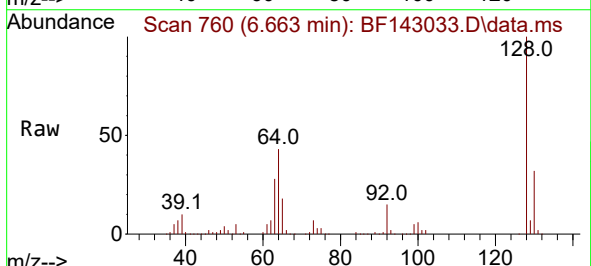
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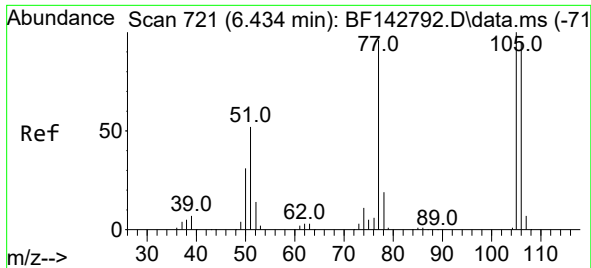
Ion Ratio Lower Upper

128 100

130 32.3 12.7 52.7

64 43.3 26.5 66.5

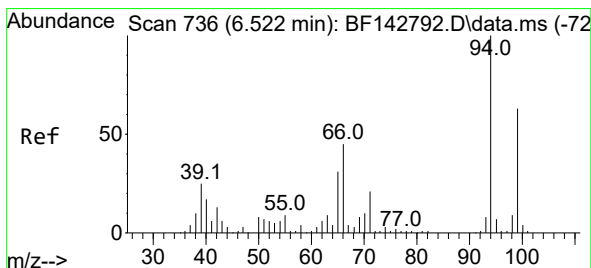
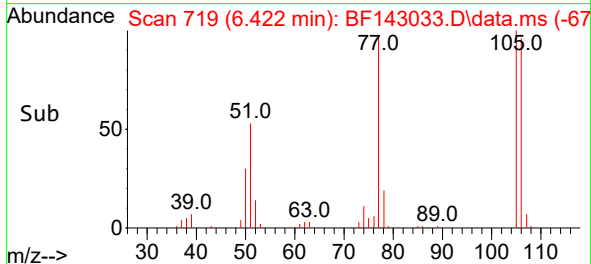
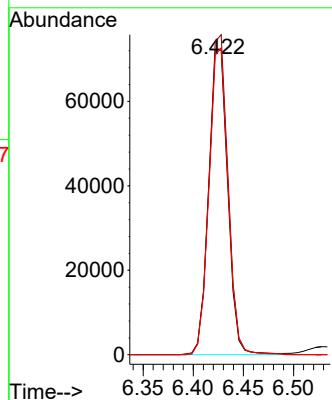
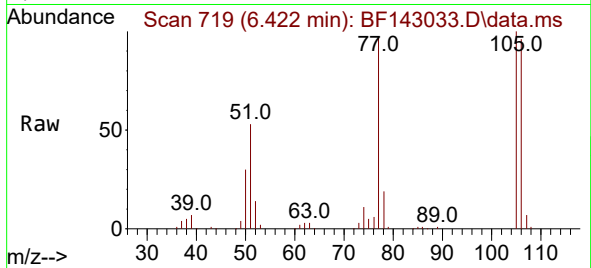




#9  
Benzaldehyde  
Concen: 44.454 ng  
RT: 6.422 min Scan# 719  
Delta R.T. -0.012 min  
Lab File: BF143033.D  
Acq: 08 Jul 2025 15:03

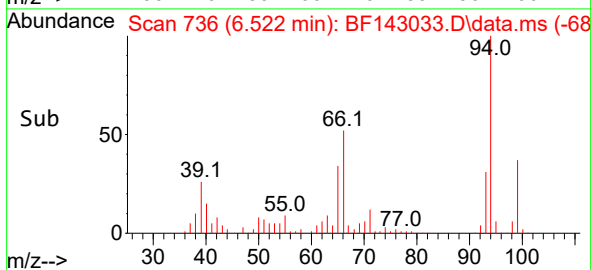
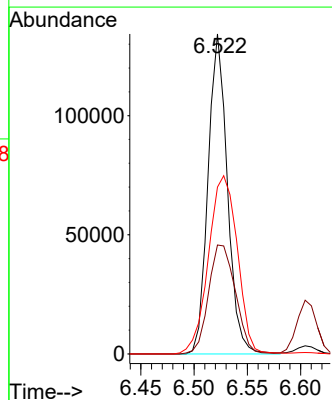
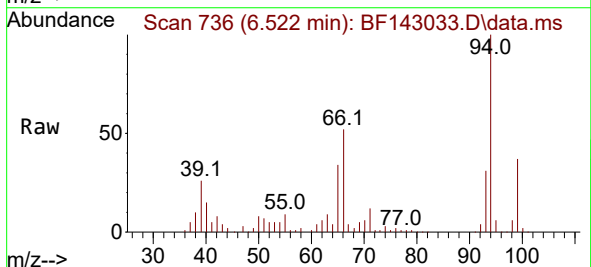
Instrument :  
BNA\_F  
ClientSampleId :  
TP-78MSD

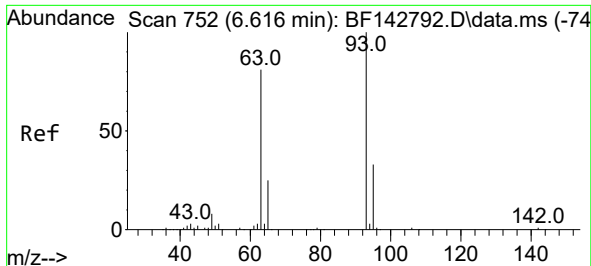
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 77    | Resp: | 95696 |
| Ion      | Ratio | Lower | Upper |
| 77       | 100   |       |       |
| 105      | 102.6 | 83.8  | 123.8 |
| 106      | 98.1  | 78.7  | 118.7 |



#10  
Phenol  
Concen: 42.167 ng  
RT: 6.522 min Scan# 736  
Delta R.T. 0.000 min  
Lab File: BF143033.D  
Acq: 08 Jul 2025 15:03

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 94    | Resp: | 170076 |
| Ion      | Ratio | Lower | Upper  |
| 94       | 100   |       |        |
| 65       | 34.1  | 11.3  | 51.3   |
| 66       | 52.2  | 24.9  | 64.9   |

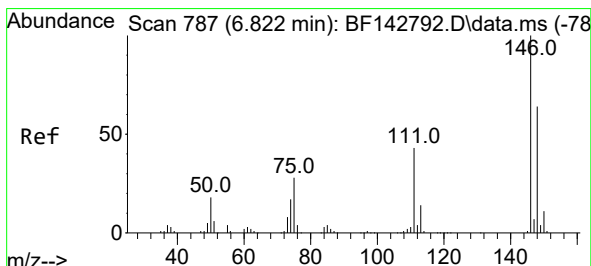
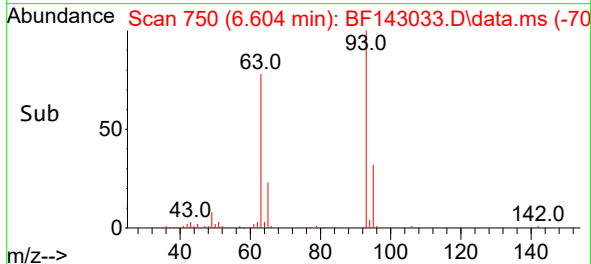
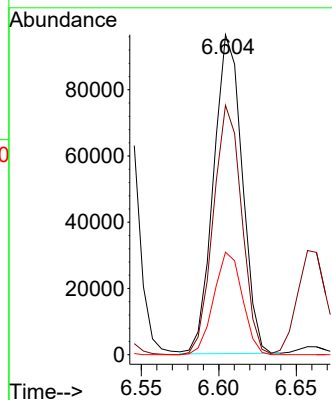
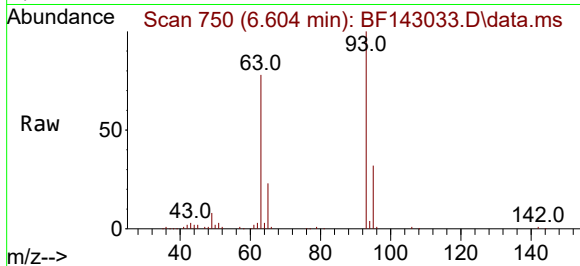




#11  
bis(2-Chloroethyl)ether  
Concen: 42.940 ng  
RT: 6.604 min Scan# 750  
Delta R.T. -0.012 min  
Lab File: BF143033.D  
Acq: 08 Jul 2025 15:03

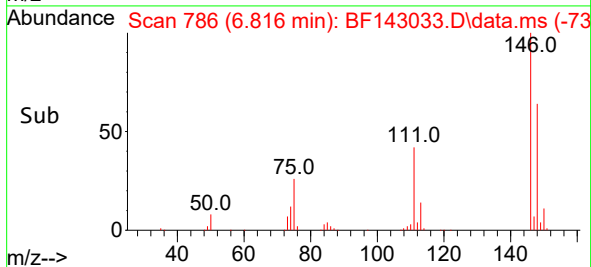
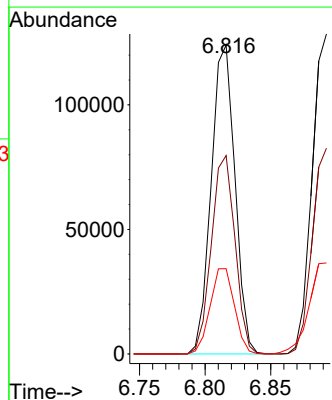
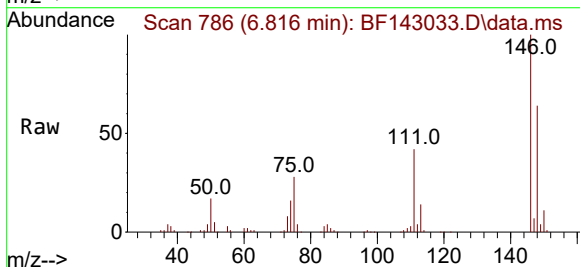
Instrument :  
BNA\_F  
ClientSampleId :  
TP-78MSD

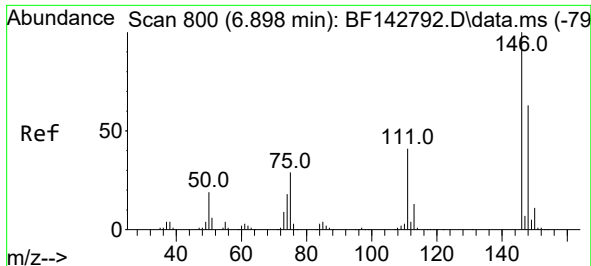
Tgt Ion: 93 Resp: 123783  
Ion Ratio Lower Upper  
93 100  
63 78.0 60.3 100.3  
95 32.1 12.5 52.5



#12  
1,3-Dichlorobenzene  
Concen: 42.094 ng  
RT: 6.816 min Scan# 786  
Delta R.T. -0.006 min  
Lab File: BF143033.D  
Acq: 08 Jul 2025 15:03

Tgt Ion:146 Resp: 156185  
Ion Ratio Lower Upper  
146 100  
148 64.3 51.1 76.7  
75 27.6 22.7 34.1





#13

1,4-Dichlorobenzene

Concen: 42.516 ng

RT: 6.892 min Scan# 79

Delta R.T. -0.006 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

Instrument :

BNA\_F

ClientSampleId :

TP-78MSD

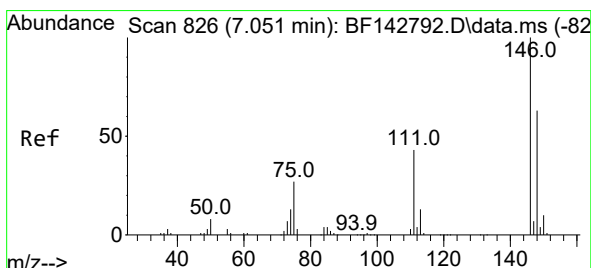
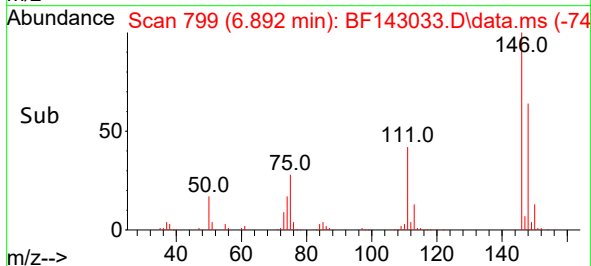
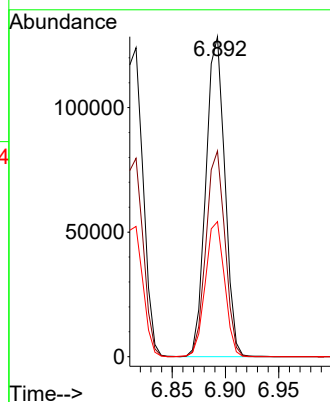
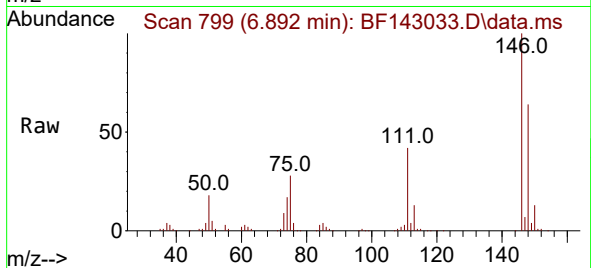
Tgt Ion:146 Resp: 159155

Ion Ratio Lower Upper

146 100

148 64.3 50.2 75.2

111 42.2 33.2 49.8



#14

1,2-Dichlorobenzene

Concen: 42.906 ng

RT: 7.045 min Scan# 825

Delta R.T. -0.006 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

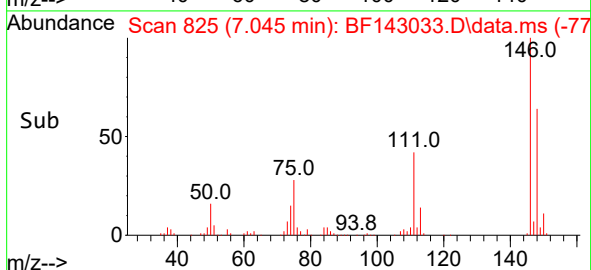
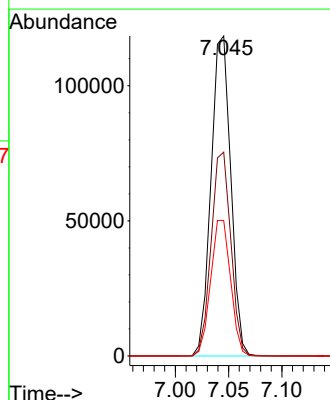
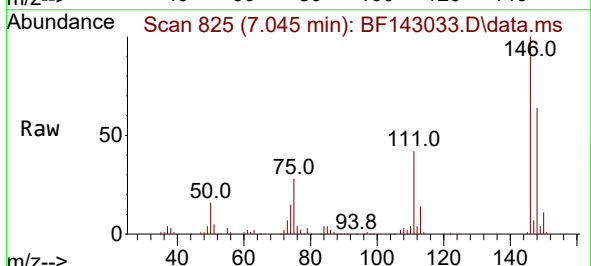
Tgt Ion:146 Resp: 152342

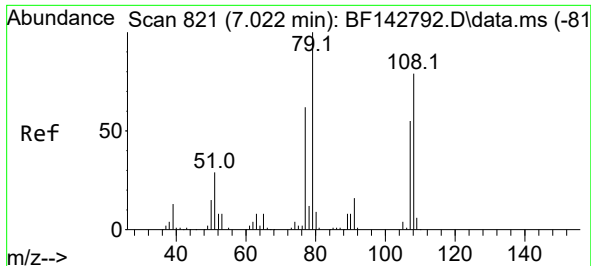
Ion Ratio Lower Upper

146 100

148 63.7 50.4 75.6

111 42.4 34.1 51.1

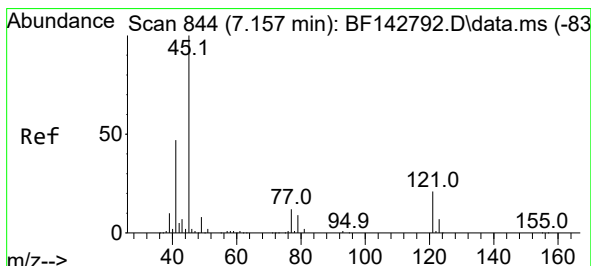
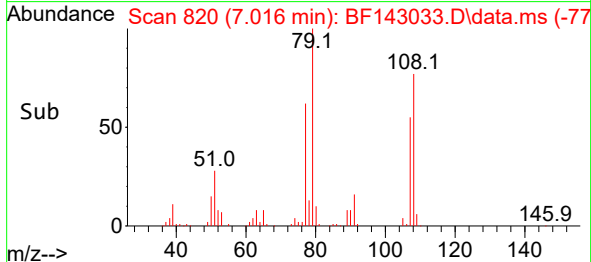
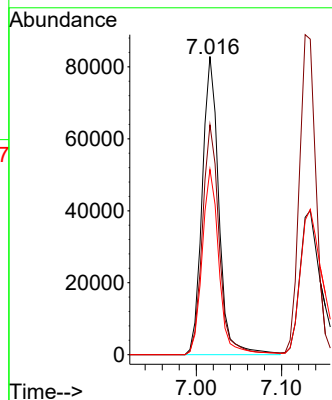
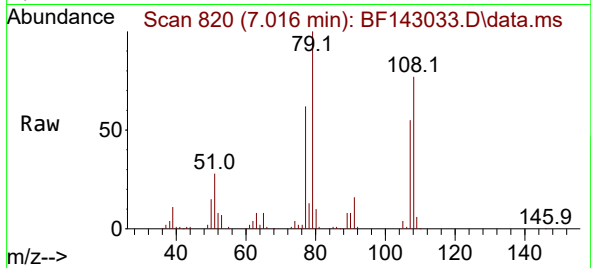




#15  
Benzyl Alcohol  
Concen: 42.917 ng  
RT: 7.016 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF143033.D  
Acq: 08 Jul 2025 15:03

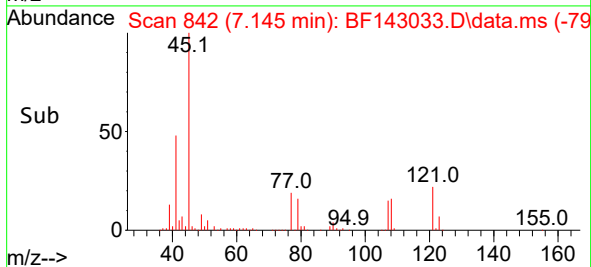
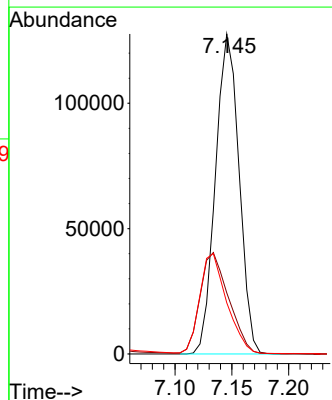
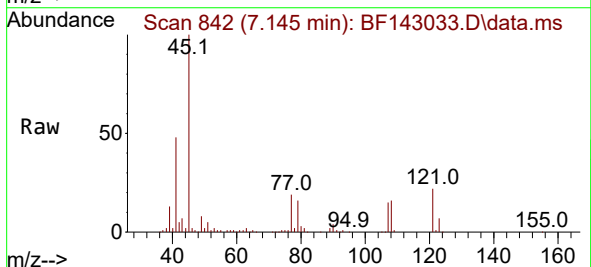
Instrument :  
BNA\_F  
ClientSampleId :  
TP-78MSD

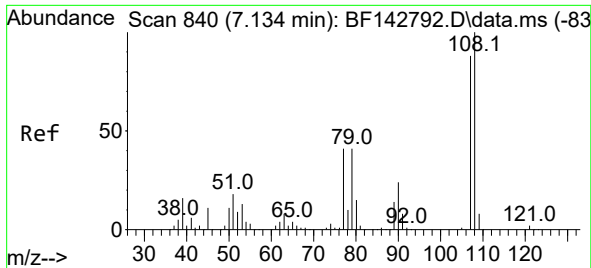
Tgt Ion: 79 Resp: 112578  
Ion Ratio Lower Upper  
79 100  
108 77.1 63.4 95.0  
77 62.1 49.5 74.3



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 39.872 ng  
RT: 7.145 min Scan# 842  
Delta R.T. -0.012 min  
Lab File: BF143033.D  
Acq: 08 Jul 2025 15:03

Tgt Ion: 45 Resp: 184664  
Ion Ratio Lower Upper  
45 100  
77 19.1 0.0 32.8  
79 16.0 0.0 29.8



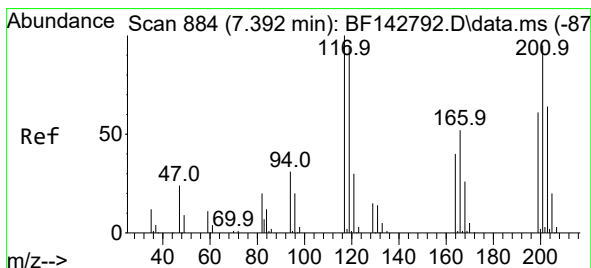
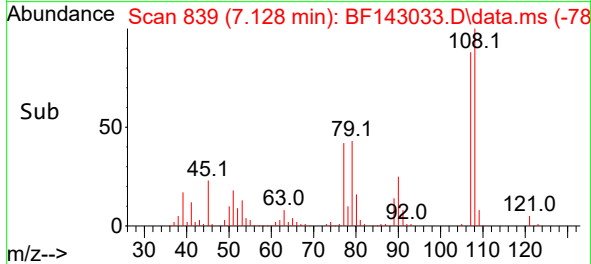
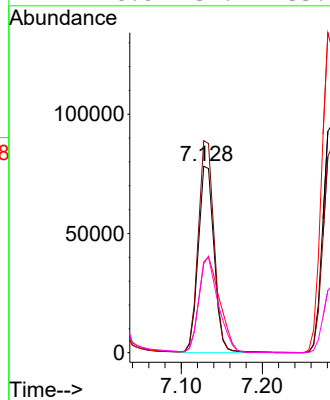
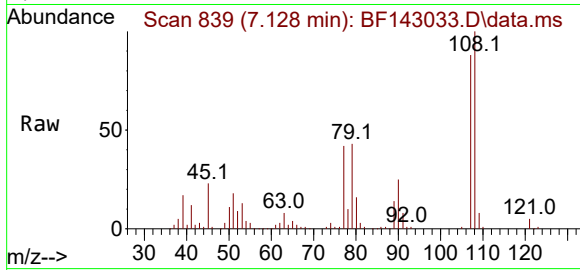


#17  
2-Methylphenol  
Concen: 42.580 ng  
RT: 7.128 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF143033.D  
Acq: 08 Jul 2025 15:03

Instrument :  
BNA\_F  
ClientSampleId :  
TP-78MSD

Tgt Ion:107 Resp: 107053

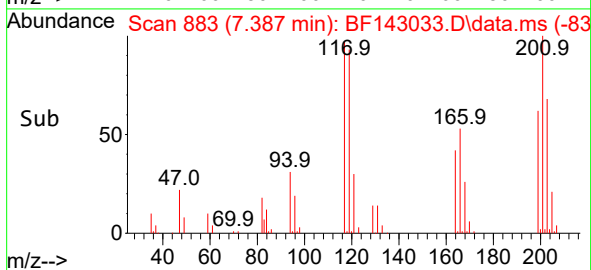
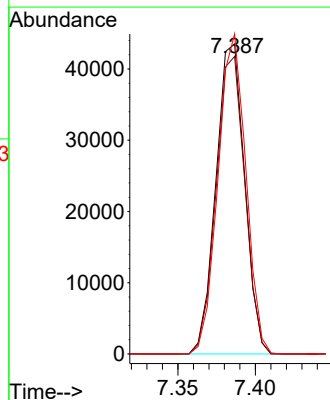
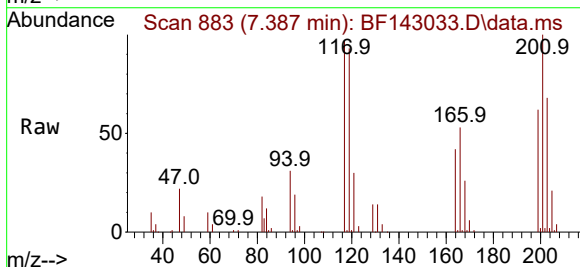
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 107 | 100   |       |       |
| 108 | 113.7 | 90.9  | 136.3 |
| 77  | 47.8  | 37.3  | 55.9  |
| 79  | 48.8  | 37.2  | 55.8  |

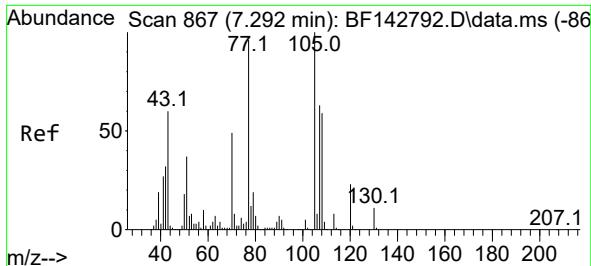


#18  
Hexachloroethane  
Concen: 42.854 ng  
RT: 7.387 min Scan# 883  
Delta R.T. -0.006 min  
Lab File: BF143033.D  
Acq: 08 Jul 2025 15:03

Tgt Ion:117 Resp: 56111

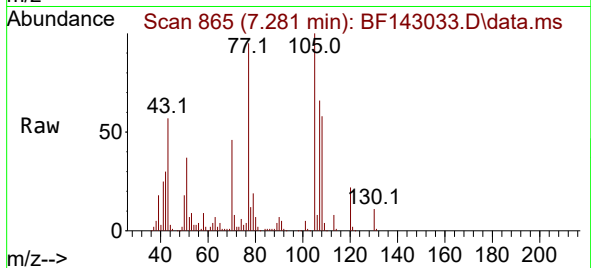
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 119 | 96.0  | 75.4  | 113.0 |
| 201 | 103.2 | 75.9  | 113.9 |



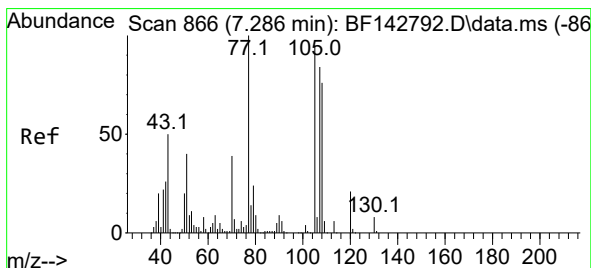
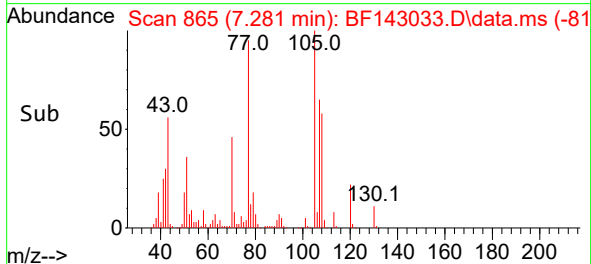
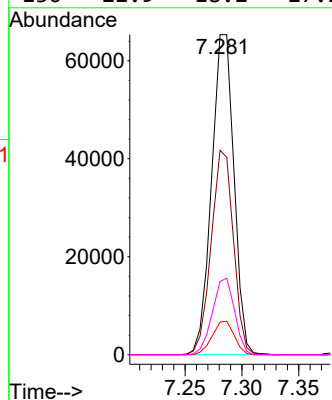


#19  
n-Nitroso-di-n-propylamine  
Concen: 42.514 ng  
RT: 7.281 min Scan# 865  
Delta R.T. -0.012 min  
Lab File: BF143033.D  
Acq: 08 Jul 2025 15:03

Instrument :  
BNA\_F  
ClientSampleId :  
TP-78MSD

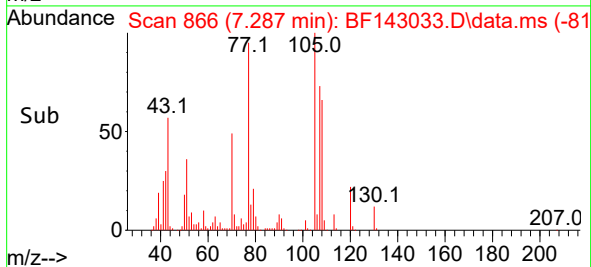
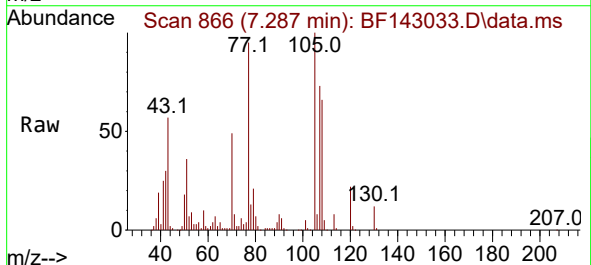
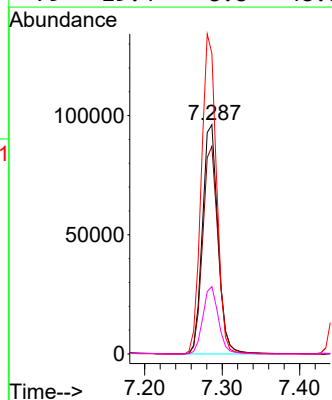


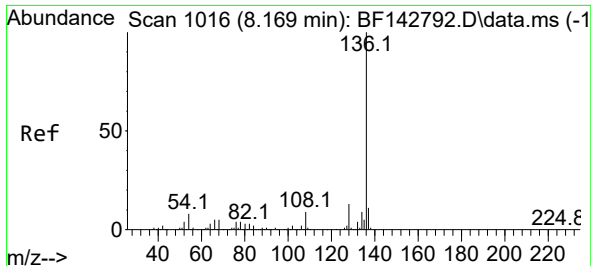
Tgt Ion: 70 Resp: 89720  
Ion Ratio Lower Upper  
70 100  
42 63.9 52.1 78.1  
101 10.2 8.2 12.2  
130 22.9 18.2 27.2



#20  
3+4-Methylphenols  
Concen: 42.918 ng  
RT: 7.287 min Scan# 866  
Delta R.T. 0.000 min  
Lab File: BF143033.D  
Acq: 08 Jul 2025 15:03

Tgt Ion: 107 Resp: 134533  
Ion Ratio Lower Upper  
107 100  
108 90.6 70.0 110.0  
77 131.0 98.5 138.5  
79 29.4 8.8 48.8

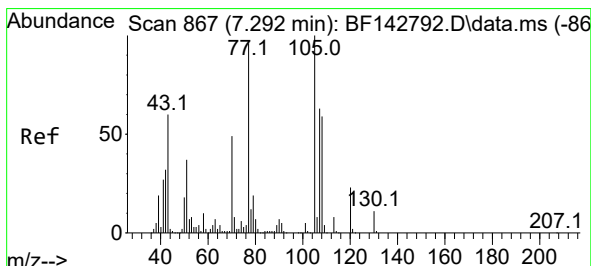
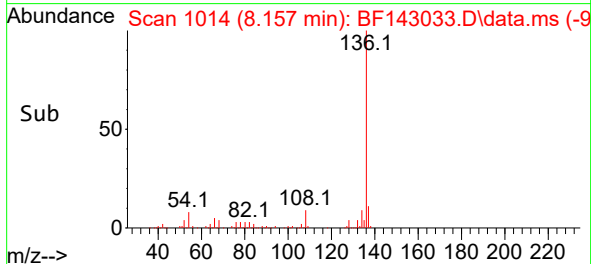
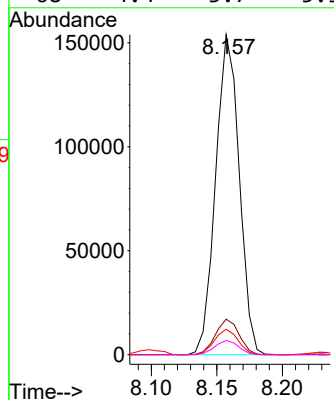
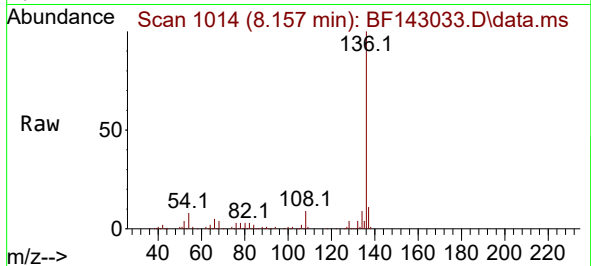




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.157 min Scan# 1014  
Delta R.T. -0.012 min  
Lab File: BF143033.D  
Acq: 08 Jul 2025 15:03

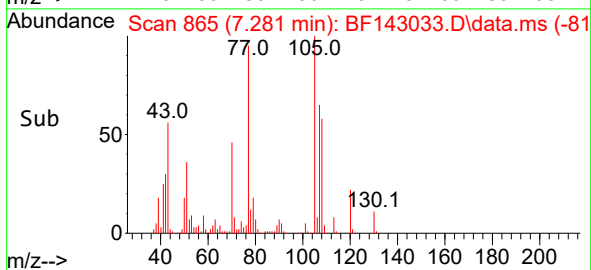
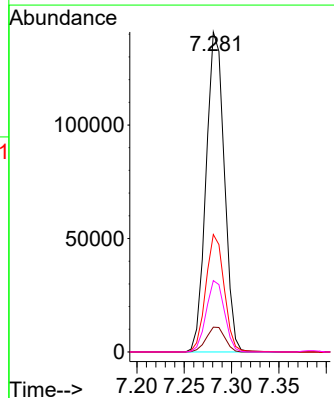
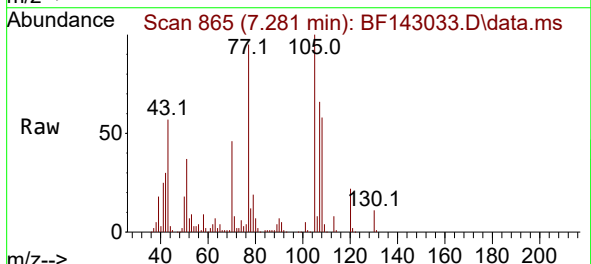
Instrument :  
BNA\_F  
ClientSampleId :  
TP-78MSD

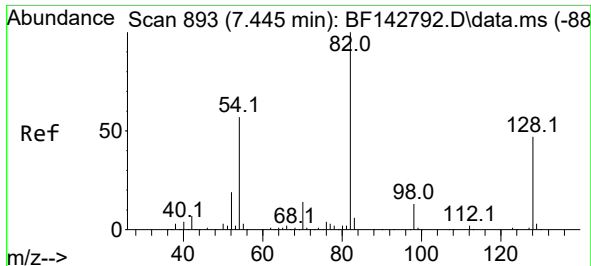
|             |               |
|-------------|---------------|
| Tgt Ion:136 | Resp: 192135  |
| Ion Ratio   | Lower Upper   |
| 136         | 100           |
| 137         | 11.1 8.4 12.6 |
| 54          | 7.9 6.3 9.5   |
| 68          | 4.4 3.7 5.5   |



#22  
Acetophenone  
Concen: 44.653 ng  
RT: 7.281 min Scan# 865  
Delta R.T. -0.012 min  
Lab File: BF143033.D  
Acq: 08 Jul 2025 15:03

|             |                |
|-------------|----------------|
| Tgt Ion:105 | Resp: 189191   |
| Ion Ratio   | Lower Upper    |
| 105         | 100            |
| 71          | 7.8 6.5 9.7    |
| 51          | 36.7 29.8 44.8 |
| 120         | 22.3 18.2 27.2 |

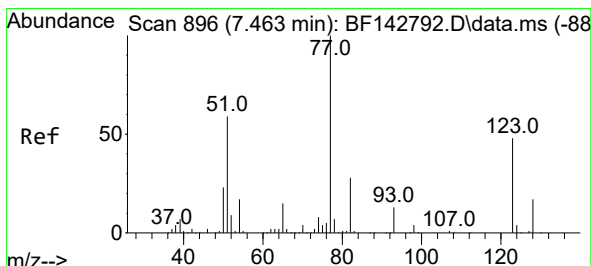
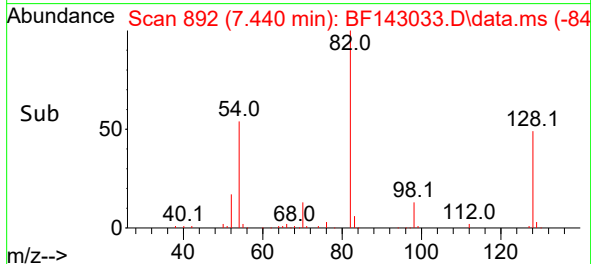
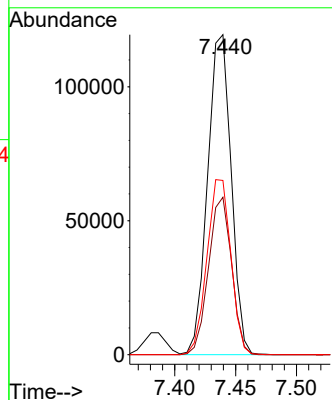
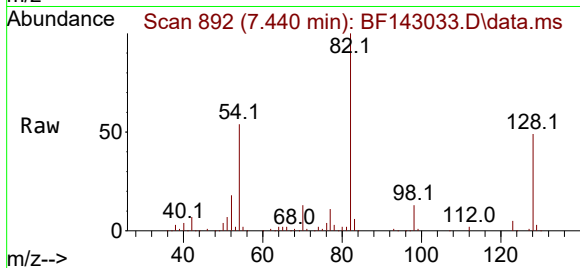




#23  
Nitrobenzene-d5  
Concen: 45.891 ng  
RT: 7.440 min Scan# 891  
Delta R.T. -0.005 min  
Lab File: BF143033.D  
Acq: 08 Jul 2025 15:03

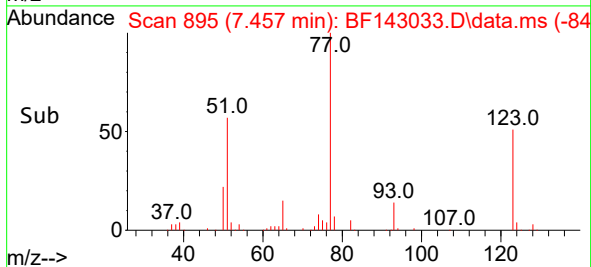
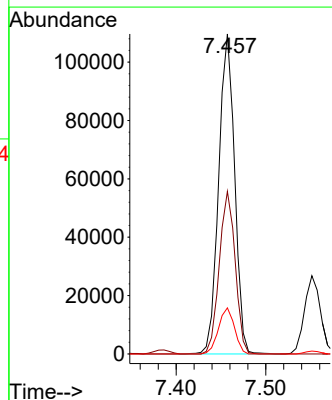
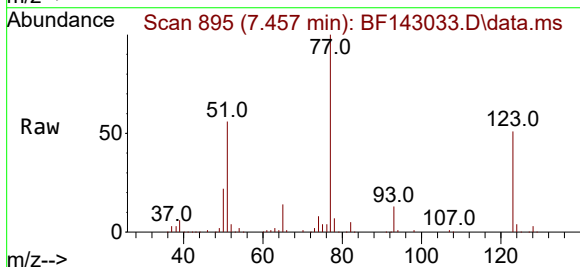
Instrument :  
BNA\_F  
ClientSampleId :  
TP-78MSD

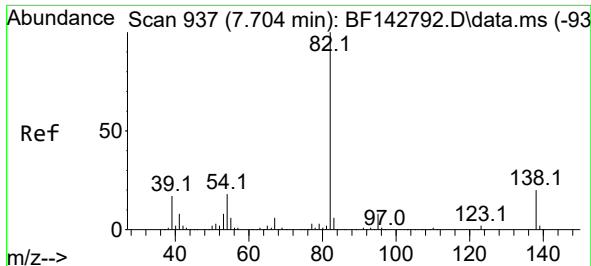
Tgt Ion: 82 Resp: 160751  
Ion Ratio Lower Upper  
82 100  
128 49.2 37.7 56.5  
54 54.5 45.7 68.5



#24  
Nitrobenzene  
Concen: 42.694 ng  
RT: 7.457 min Scan# 895  
Delta R.T. -0.006 min  
Lab File: BF143033.D  
Acq: 08 Jul 2025 15:03

Tgt Ion: 77 Resp: 135358  
Ion Ratio Lower Upper  
77 100  
123 50.8 39.2 58.8  
65 14.4 11.6 17.4

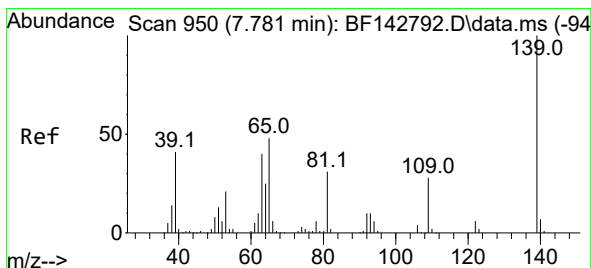
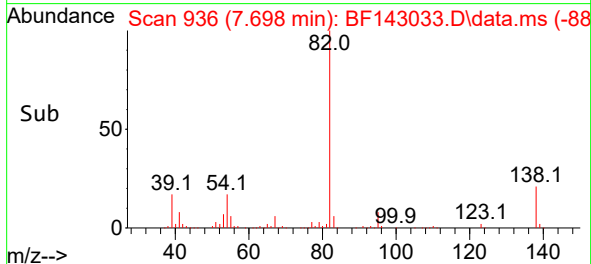
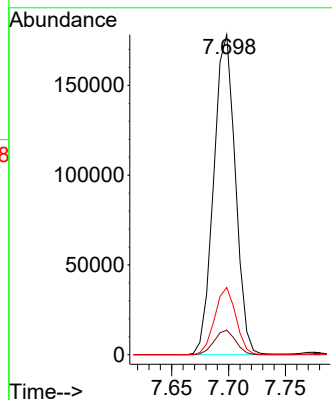
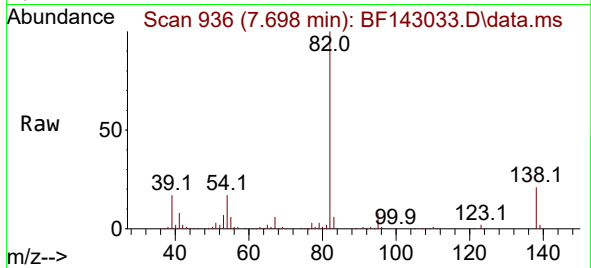




#25  
Isophorone  
Concen: 42.000 ng  
RT: 7.698 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BF143033.D  
Acq: 08 Jul 2025 15:03

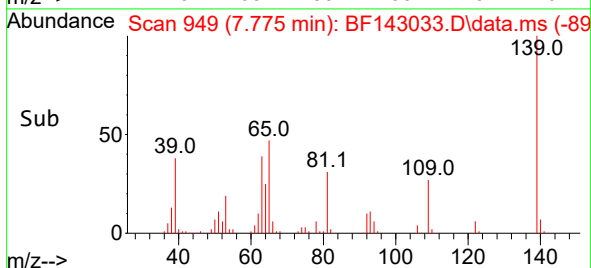
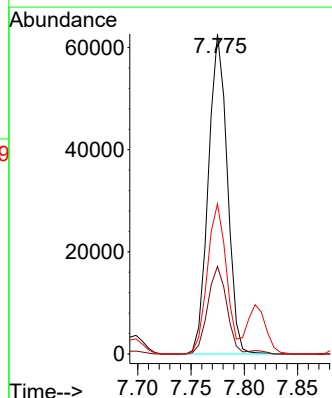
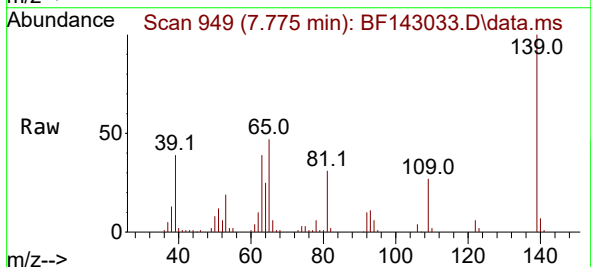
Instrument :  
BNA\_F  
ClientSampleId :  
TP-78MSD

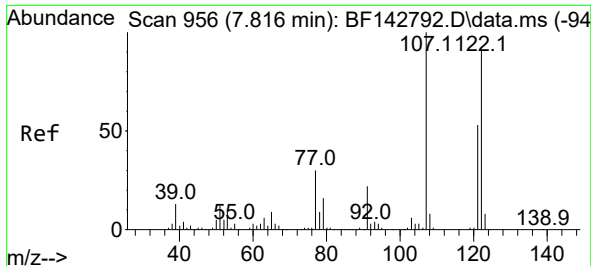
Tgt Ion: 82 Resp: 236004  
Ion Ratio Lower Upper  
82 100  
95 7.7 6.2 9.2  
138 21.0 16.2 24.4



#26  
2-Nitrophenol  
Concen: 44.756 ng  
RT: 7.775 min Scan# 949  
Delta R.T. -0.006 min  
Lab File: BF143033.D  
Acq: 08 Jul 2025 15:03

Tgt Ion: 139 Resp: 77296  
Ion Ratio Lower Upper  
139 100  
109 27.4 22.7 34.1  
65 46.9 38.6 58.0





#27

2,4-Dimethylphenol

Concen: 42.661 ng m

RT: 7.810 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

Instrument :

BNA\_F

ClientSampleId :

TP-78MSD

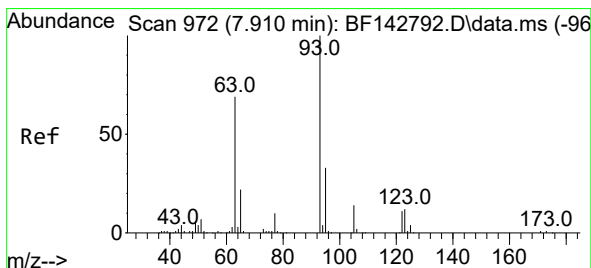
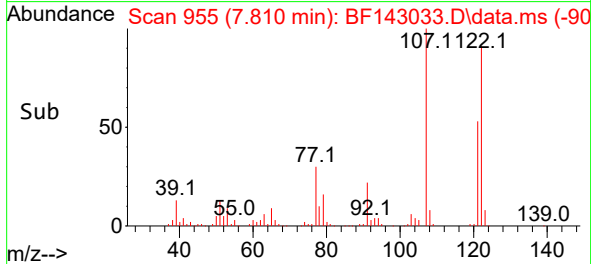
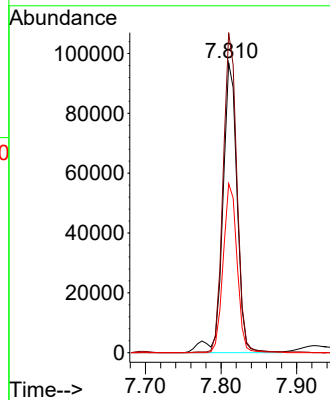
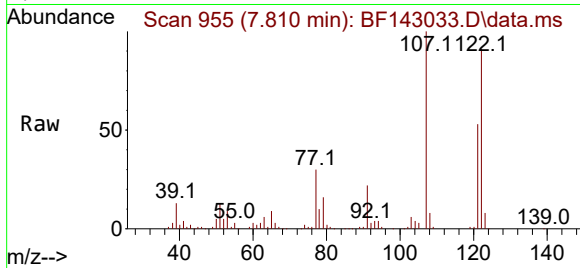
Tgt Ion:122 Resp: 127624

Ion Ratio Lower Upper

122 100

107 110.4 88.0 132.0

121 58.3 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 42.951 ng

RT: 7.904 min Scan# 971

Delta R.T. -0.006 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

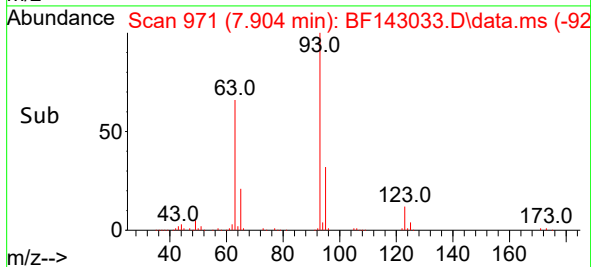
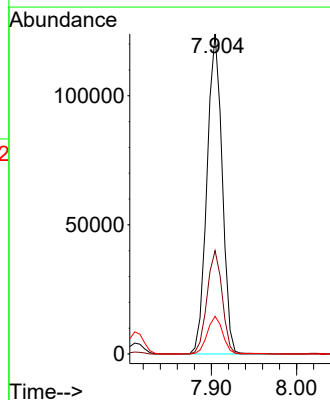
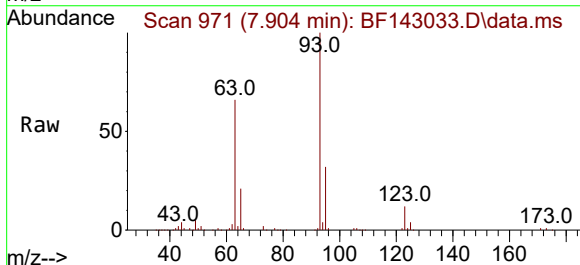
Tgt Ion: 93 Resp: 153437

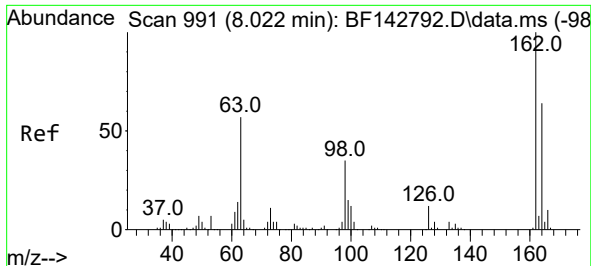
Ion Ratio Lower Upper

93 100

95 32.3 26.2 39.2

123 11.8 9.9 14.9





#29

2,4-Dichlorophenol

Concen: 42.716 ng

RT: 8.022 min Scan# 991

Delta R.T. 0.000 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

Instrument :

BNA\_F

ClientSampleId :

TP-78MSD

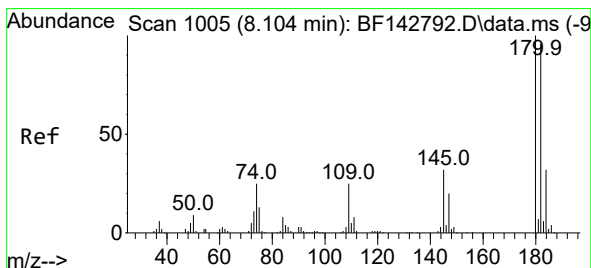
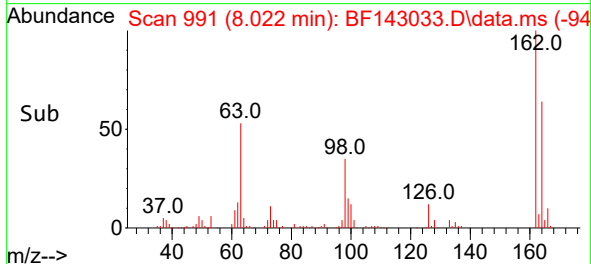
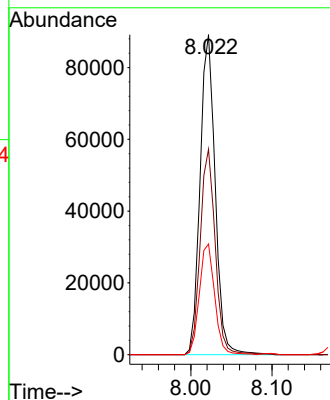
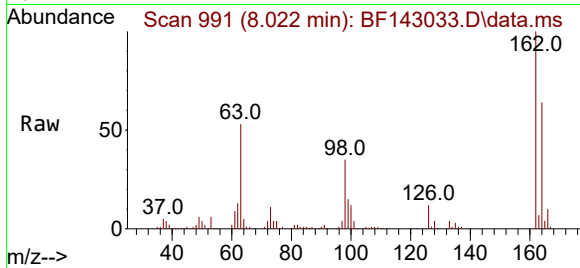
Tgt Ion:162 Resp: 115869

Ion Ratio Lower Upper

162 100

164 64.2 44.0 84.0

98 34.6 15.4 55.4



#30

1,2,4-Trichlorobenzene

Concen: 42.614 ng

RT: 8.098 min Scan# 1004

Delta R.T. -0.006 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

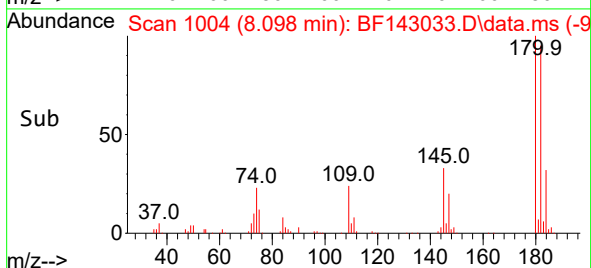
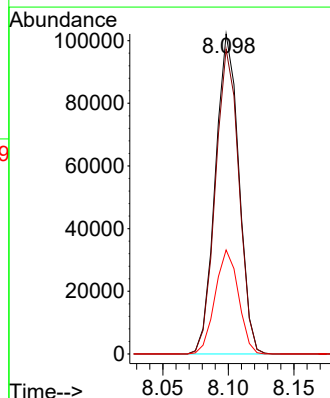
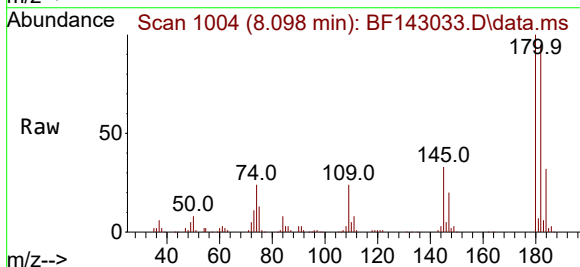
Tgt Ion:180 Resp: 127107

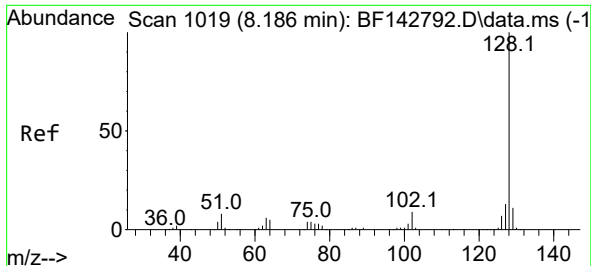
Ion Ratio Lower Upper

180 100

182 95.2 76.4 114.6

145 32.5 25.8 38.8

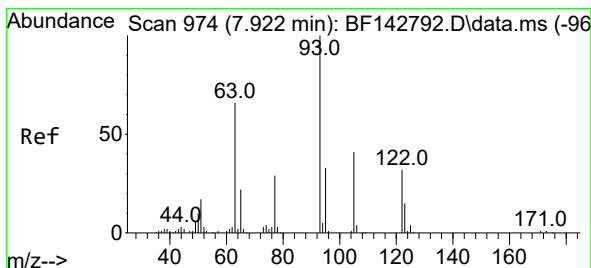
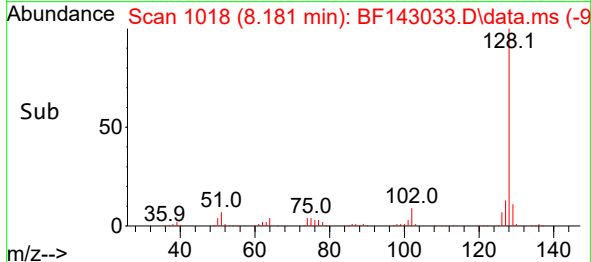
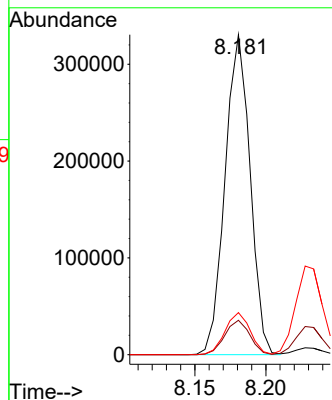
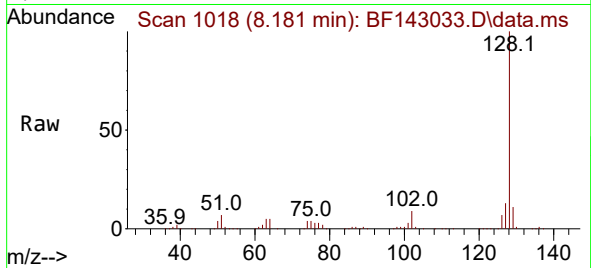




#31  
Naphthalene  
Concen: 43.032 ng  
RT: 8.181 min Scan# 1019  
Delta R.T. -0.006 min  
Lab File: BF143033.D  
Acq: 08 Jul 2025 15:03

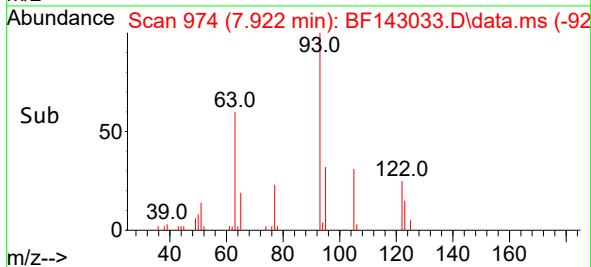
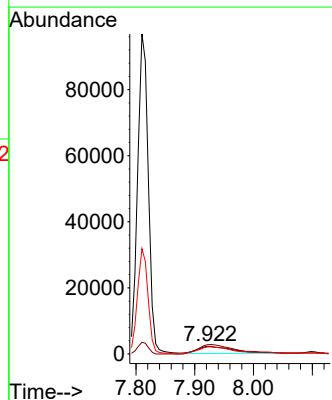
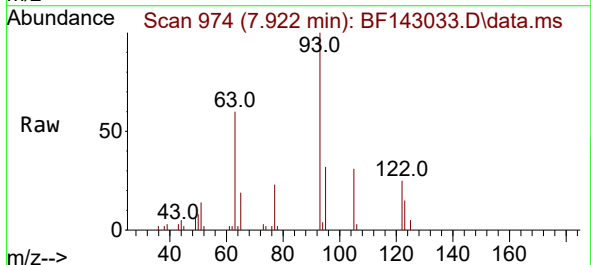
Instrument :  
BNA\_F  
ClientSampleId :  
TP-78MSD

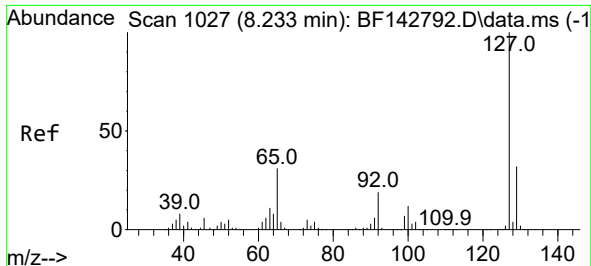
Tgt Ion:128 Resp: 404703  
Ion Ratio Lower Upper  
128 100  
129 10.8 8.9 13.3  
127 13.2 10.4 15.6



#32  
Benzoic acid  
Concen: 5.814 ng  
RT: 7.922 min Scan# 974  
Delta R.T. 0.000 min  
Lab File: BF143033.D  
Acq: 08 Jul 2025 15:03

Tgt Ion:122 Resp: 8865  
Ion Ratio Lower Upper  
122 100  
105 120.9 104.7 144.7  
77 90.3 70.2 110.2

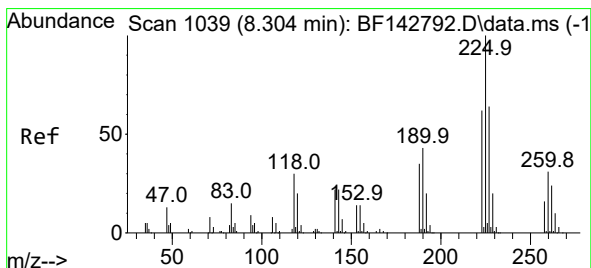
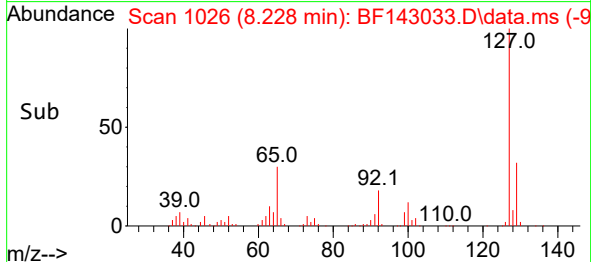
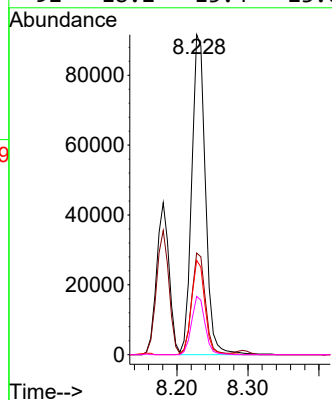
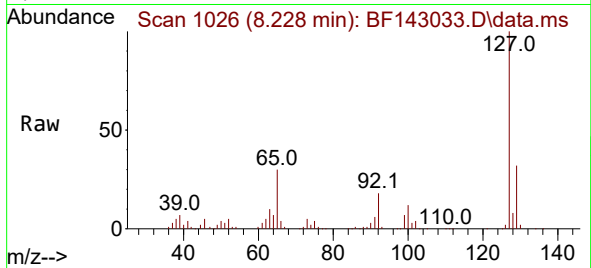




#33  
4-Chloroaniline  
Concen: 32.256 ng  
RT: 8.228 min Scan# 1026  
Delta R.T. -0.006 min  
Lab File: BF143033.D  
Acq: 08 Jul 2025 15:03

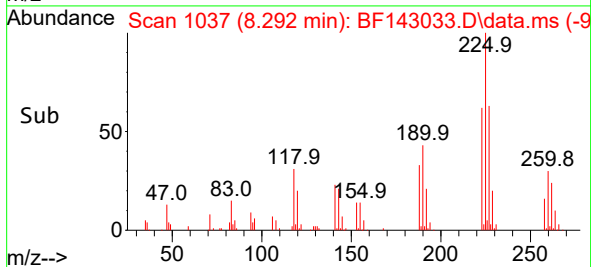
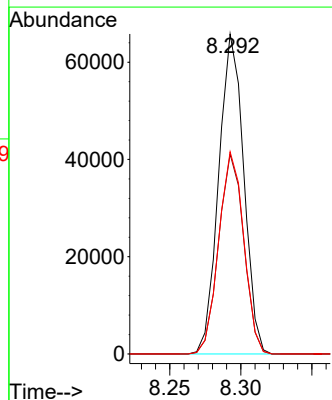
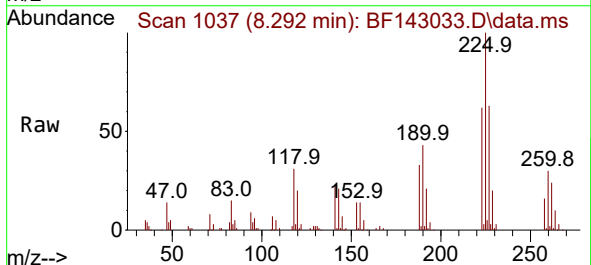
Instrument :  
BNA\_F  
ClientSampleId :  
TP-78MSD

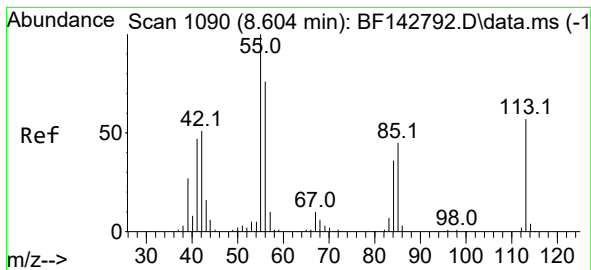
|             |              |
|-------------|--------------|
| Tgt Ion:127 | Resp: 123350 |
| Ion Ratio   | Lower Upper  |
| 127 100     |              |
| 129 31.8    | 25.9 38.9    |
| 65 29.5     | 24.6 36.8    |
| 92 18.2     | 15.4 23.0    |



#34  
Hexachlorobutadiene  
Concen: 44.099 ng  
RT: 8.292 min Scan# 1037  
Delta R.T. -0.012 min  
Lab File: BF143033.D  
Acq: 08 Jul 2025 15:03

|             |             |
|-------------|-------------|
| Tgt Ion:225 | Resp: 80457 |
| Ion Ratio   | Lower Upper |
| 225 100     |             |
| 223 62.5    | 49.9 74.9   |
| 227 63.2    | 51.4 77.0   |





#35

Caprolactam

Concen: 34.511 ng

RT: 8.592 min Scan# 1088

Delta R.T. -0.012 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

Instrument :

BNA\_F

ClientSampleId :

TP-78MSD

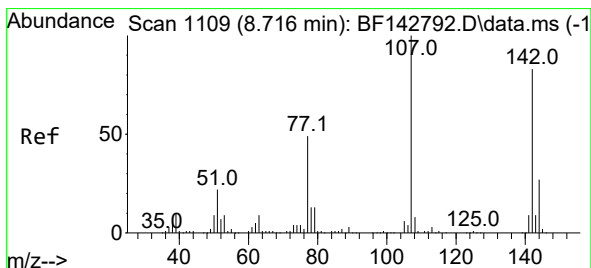
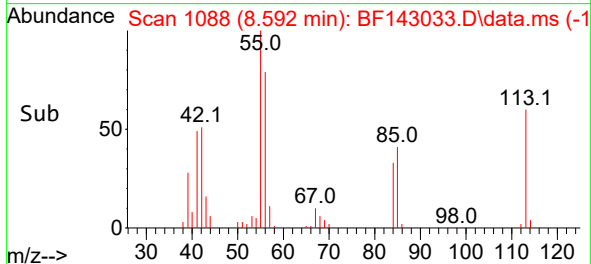
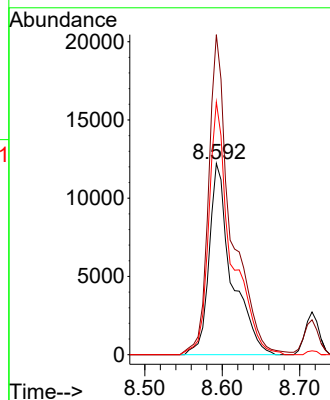
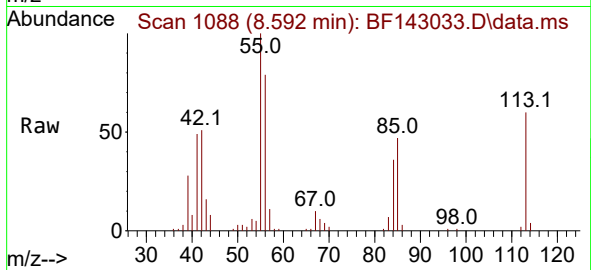
Tgt Ion:113 Resp: 24702

Ion Ratio Lower Upper

113 100

55 167.3 154.4 194.4

56 132.1 112.1 152.1



#36

4-Chloro-3-methylphenol

Concen: 41.285 ng

RT: 8.716 min Scan# 1109

Delta R.T. 0.000 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

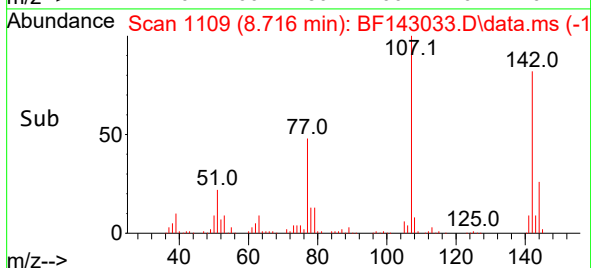
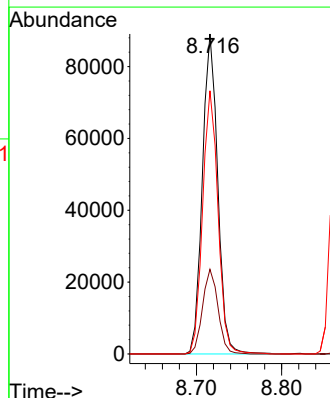
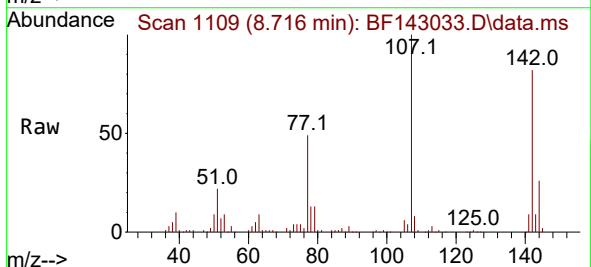
Tgt Ion:107 Resp: 111296

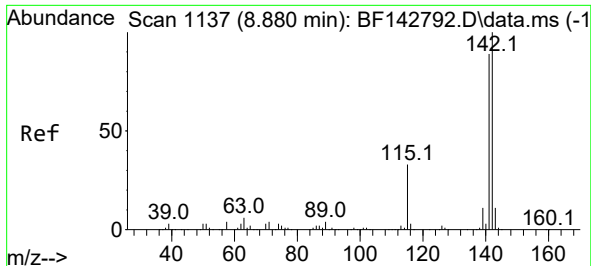
Ion Ratio Lower Upper

107 100

144 26.5 21.3 31.9

142 82.3 66.6 100.0

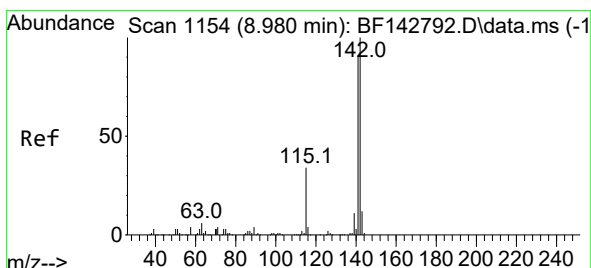
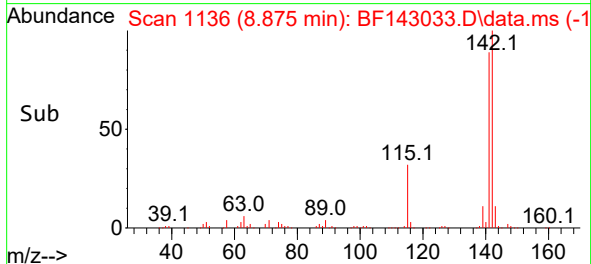
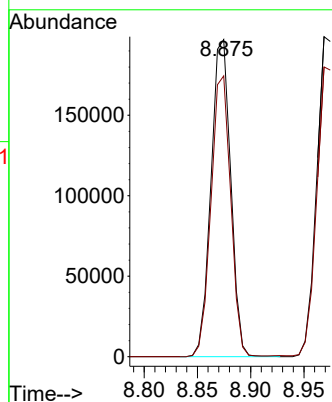
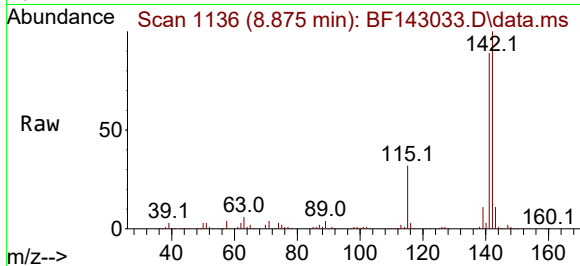




#37  
2-Methylnaphthalene  
Concen: 43.441 ng  
RT: 8.875 min Scan# 1136  
Delta R.T. -0.006 min  
Lab File: BF143033.D  
Acq: 08 Jul 2025 15:03

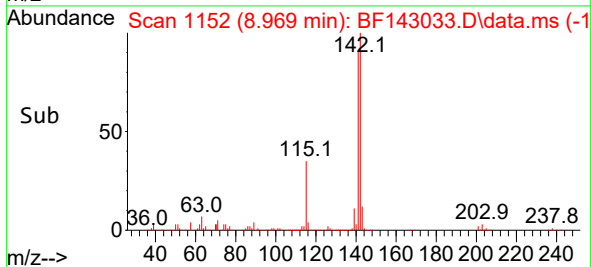
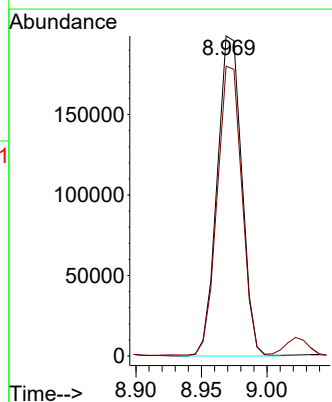
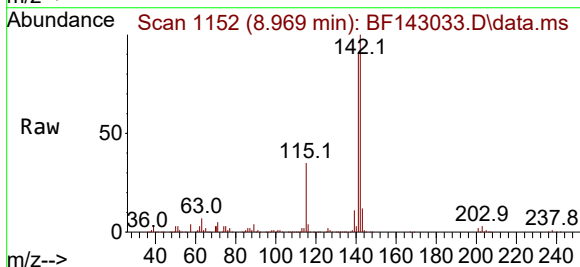
Instrument :  
BNA\_F  
ClientSampleId :  
TP-78MSD

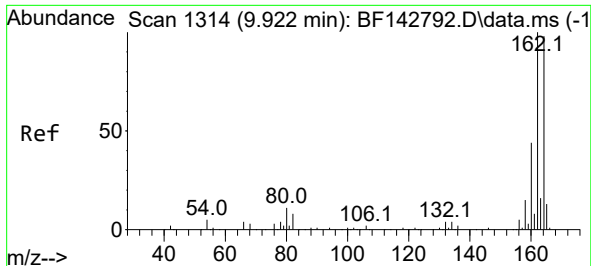
Tgt Ion:142 Resp: 253287  
Ion Ratio Lower Upper  
142 100  
141 88.5 70.9 106.3



#38  
1-Methylnaphthalene  
Concen: 42.965 ng  
RT: 8.969 min Scan# 1152  
Delta R.T. -0.012 min  
Lab File: BF143033.D  
Acq: 08 Jul 2025 15:03

Tgt Ion:142 Resp: 259322  
Ion Ratio Lower Upper  
142 100  
141 90.6 73.0 109.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1164

Delta R.T. -0.006 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

Instrument :

BNA\_F

ClientSampleId :

TP-78MSD

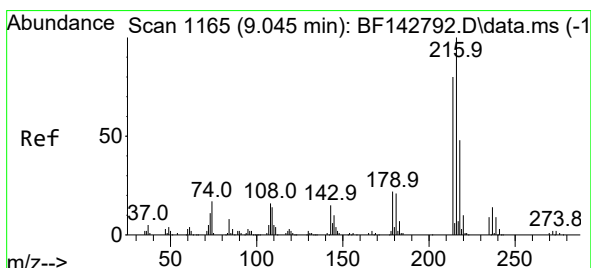
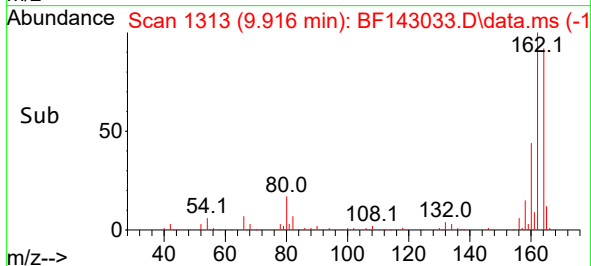
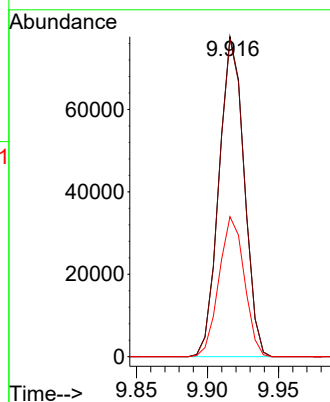
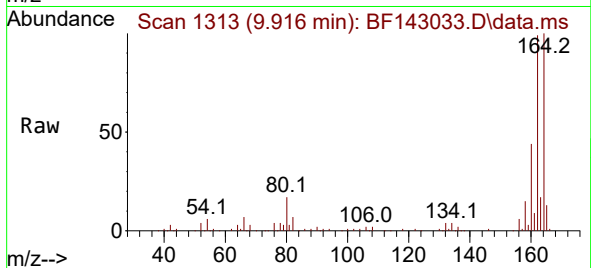
Tgt Ion:164 Resp: 95468

Ion Ratio Lower Upper

164 100

162 99.4 81.8 122.8

160 43.8 36.0 54.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 45.464 ng

RT: 9.039 min Scan# 1164

Delta R.T. -0.006 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

Tgt Ion:216 Resp: 128069

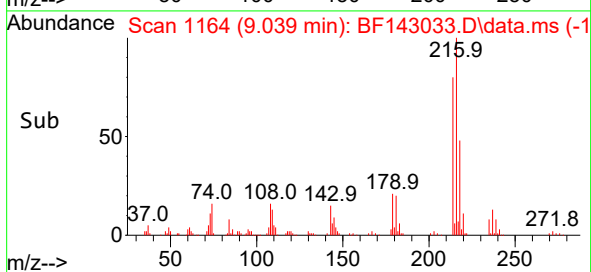
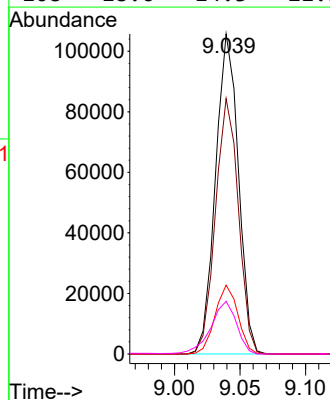
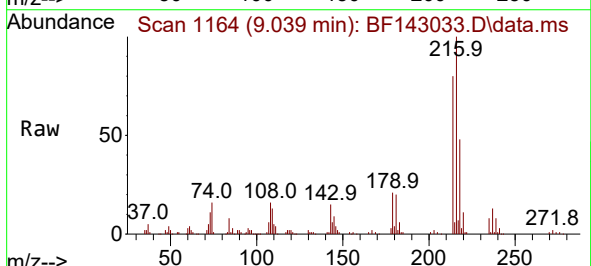
Ion Ratio Lower Upper

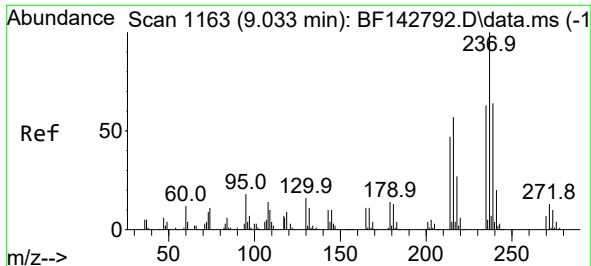
216 100

214 79.6 63.7 95.5

179 21.4 17.6 26.4

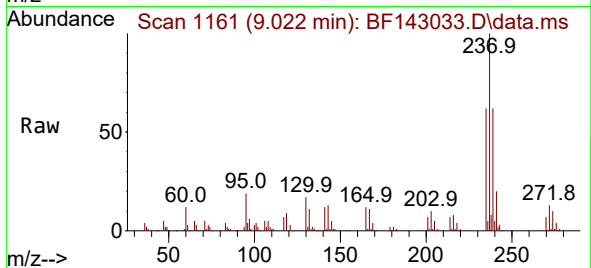
108 18.6 14.3 21.5



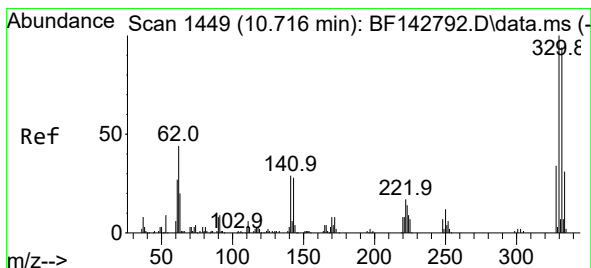
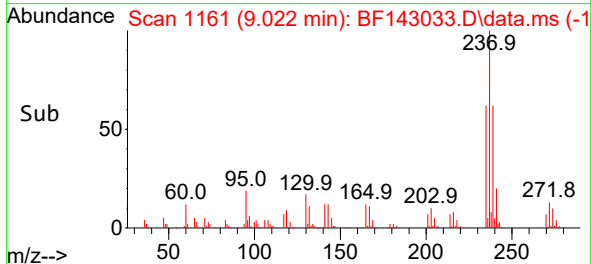
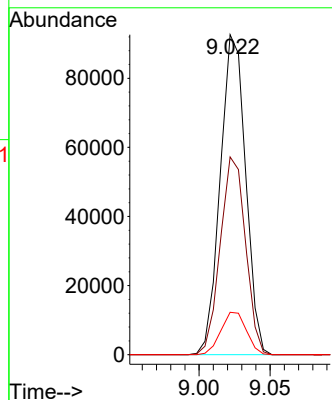


#41  
Hexachlorocyclopentadiene  
Concen: 71.940 ng  
RT: 9.022 min Scan# 1161  
Delta R.T. -0.012 min  
Lab File: BF143033.D  
Acq: 08 Jul 2025 15:03

Instrument :  
BNA\_F  
ClientSampleId :  
TP-78MSD

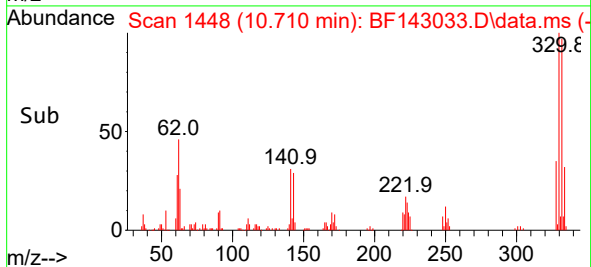
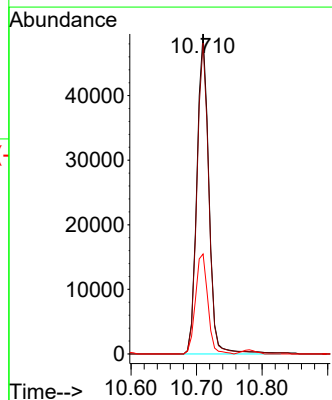
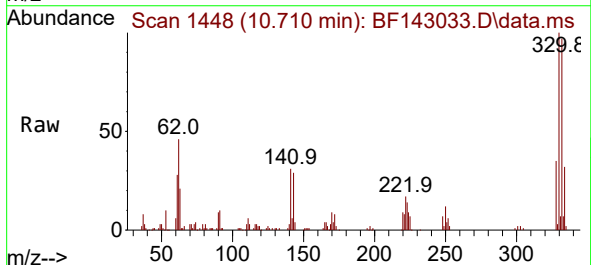


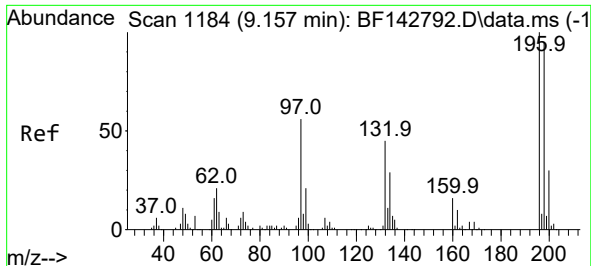
Tgt Ion:237 Resp: 115000  
Ion Ratio Lower Upper  
237 100  
235 61.8 43.4 83.4  
272 13.3 0.0 32.7



#42  
2,4,6-Tribromophenol  
Concen: 64.202 ng  
RT: 10.710 min Scan# 1448  
Delta R.T. -0.006 min  
Lab File: BF143033.D  
Acq: 08 Jul 2025 15:03

Tgt Ion:330 Resp: 63074  
Ion Ratio Lower Upper  
330 100  
332 96.4 75.0 112.6  
141 32.0 25.3 37.9





#43

2,4,6-Trichlorophenol

Concen: 40.307 ng

RT: 9.157 min Scan# 1184

Delta R.T. 0.000 min

Lab File: BF143033.D

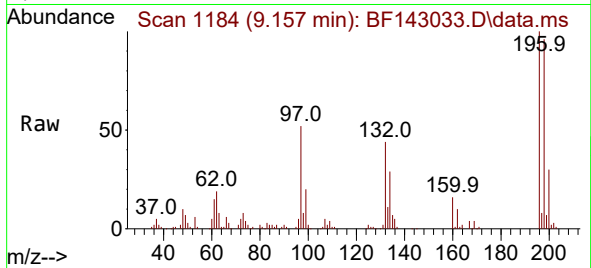
Acq: 08 Jul 2025 15:03

Instrument :

BNA\_F

ClientSampleId :

TP-78MSD



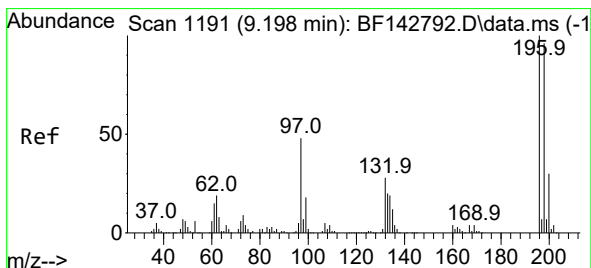
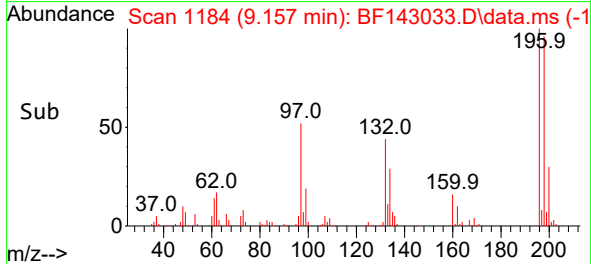
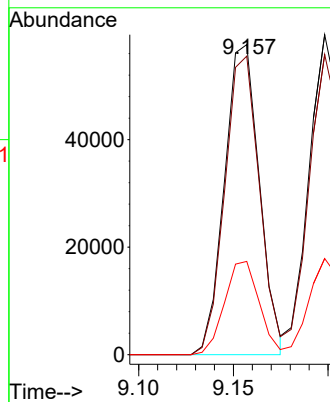
Tgt Ion:196 Resp: 73987

Ion Ratio Lower Upper

196 100

198 96.3 76.2 114.2

200 30.1 24.1 36.1



#44

2,4,5-Trichlorophenol

Concen: 40.959 ng

RT: 9.198 min Scan# 1191

Delta R.T. 0.000 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

Tgt Ion:196 Resp: 79145

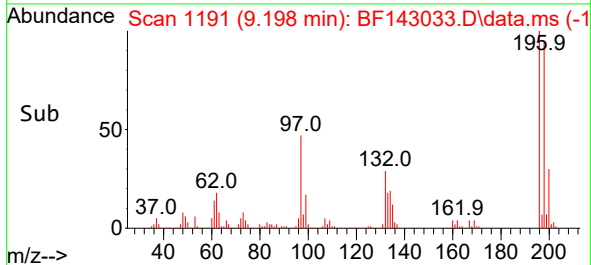
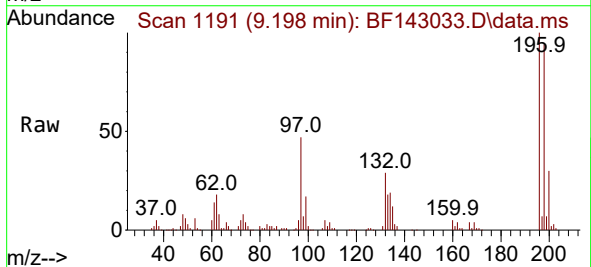
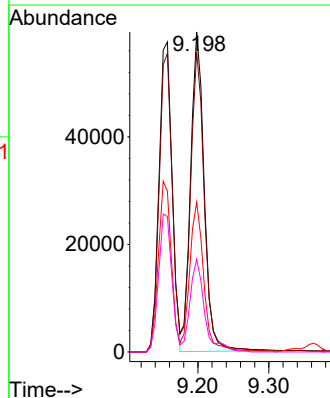
Ion Ratio Lower Upper

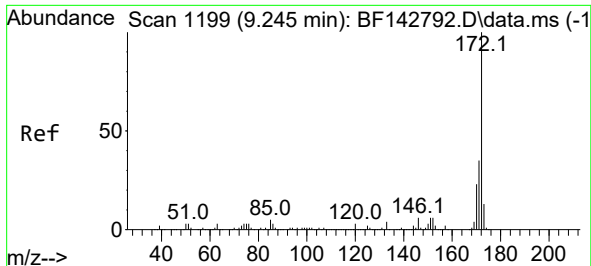
196 100

198 93.8 76.6 115.0

97 46.8 38.2 57.2

132 28.9 23.4 35.0

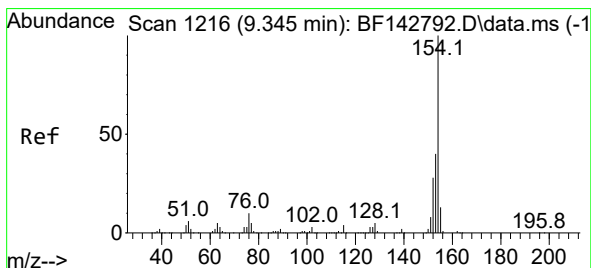
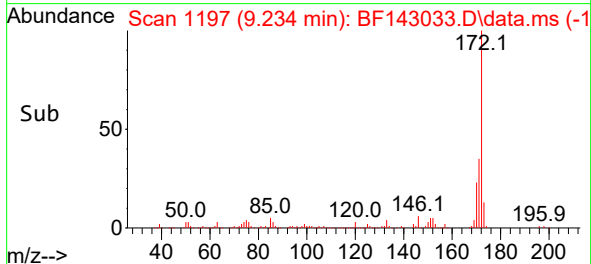
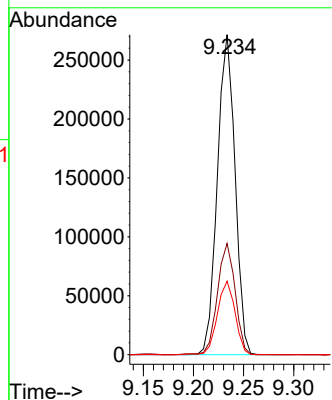
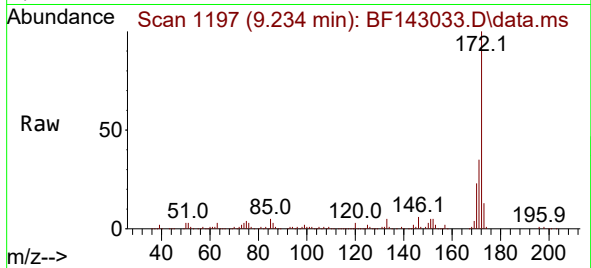




#45  
2-Fluorobiphenyl  
Concen: 45.711 ng  
RT: 9.234 min Scan# 1199  
Delta R.T. -0.011 min  
Lab File: BF143033.D  
Acq: 08 Jul 2025 15:03

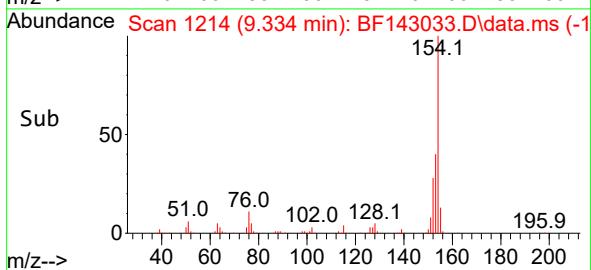
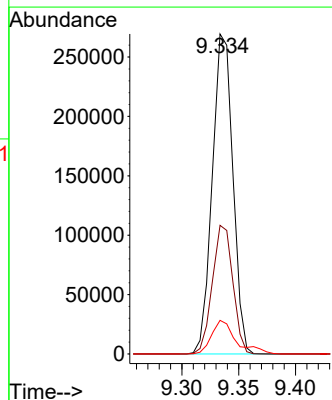
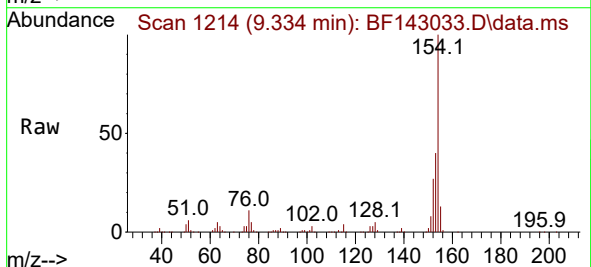
Instrument :  
BNA\_F  
ClientSampleId :  
TP-78MSD

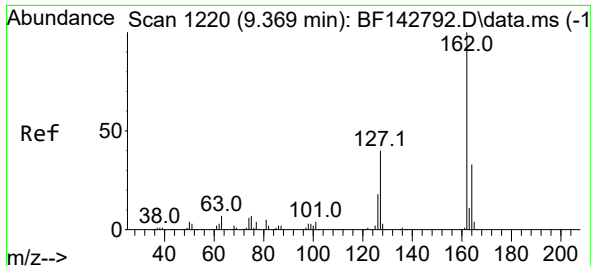
Tgt Ion:172 Resp: 332194  
Ion Ratio Lower Upper  
172 100  
171 34.7 28.2 42.4  
170 22.9 18.5 27.7



#46  
1,1'-Biphenyl  
Concen: 45.026 ng  
RT: 9.334 min Scan# 1214  
Delta R.T. -0.012 min  
Lab File: BF143033.D  
Acq: 08 Jul 2025 15:03

Tgt Ion:154 Resp: 339559  
Ion Ratio Lower Upper  
154 100  
153 40.2 20.3 60.3  
76 10.5 0.0 30.3





#47

2-Chloronaphthalene

Concen: 44.542 ng

RT: 9.363 min Scan# 1219

Delta R.T. -0.006 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

Instrument :

BNA\_F

ClientSampleId :

TP-78MSD

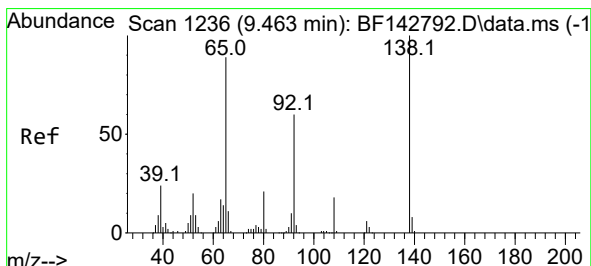
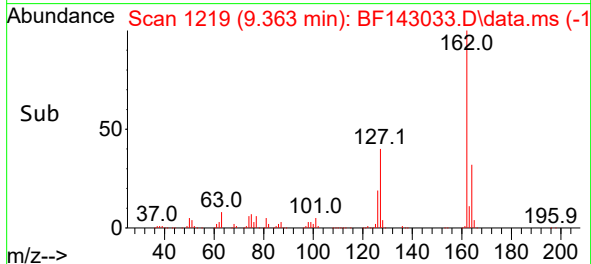
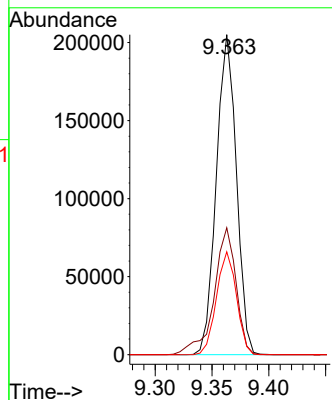
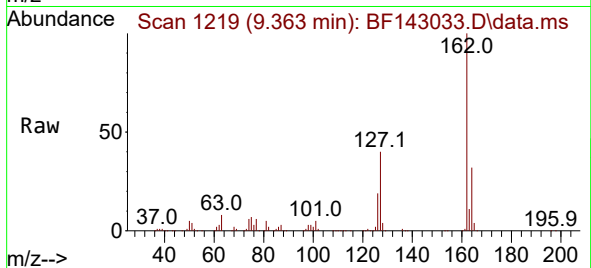
Tgt Ion:162 Resp: 252079

Ion Ratio Lower Upper

162 100

127 39.6 32.2 48.2

164 32.1 26.1 39.1



#48

2-Nitroaniline

Concen: 44.327 ng

RT: 9.463 min Scan# 1236

Delta R.T. 0.000 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

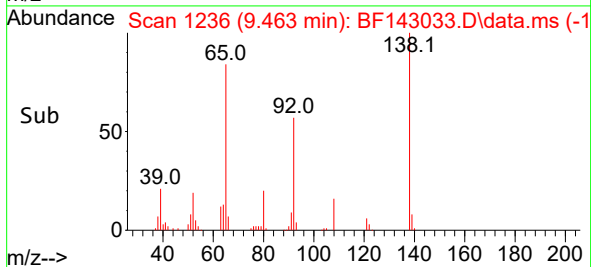
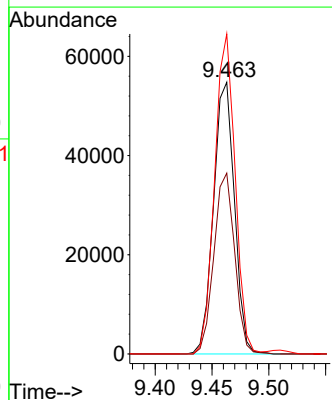
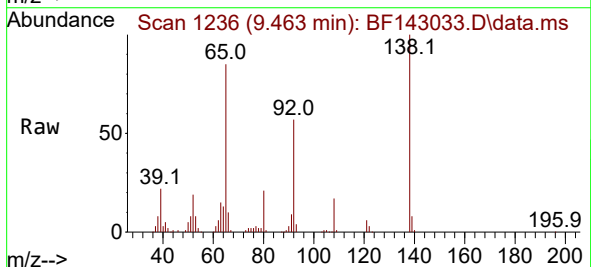
Tgt Ion: 65 Resp: 70330

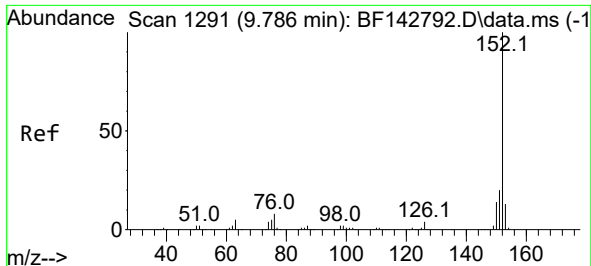
Ion Ratio Lower Upper

65 100

92 66.6 53.8 80.6

138 117.8 89.6 134.4





#49

Acenaphthylene

Concen: 44.068 ng

RT: 9.781 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

Instrument :

BNA\_F

ClientSampleId :

TP-78MSD

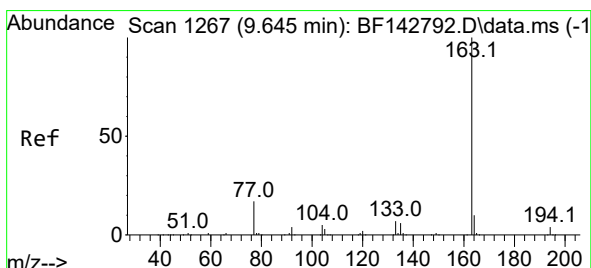
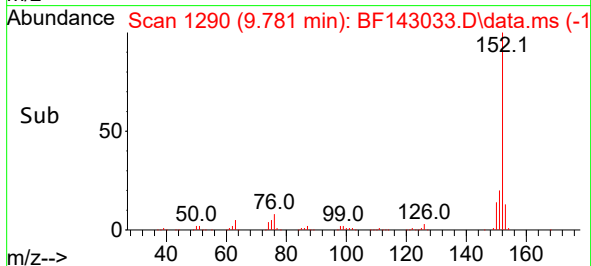
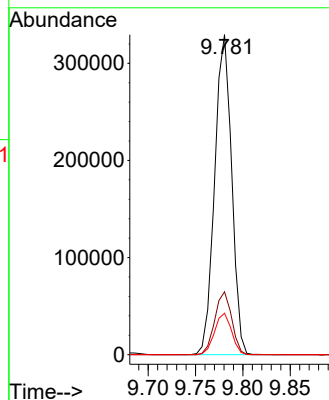
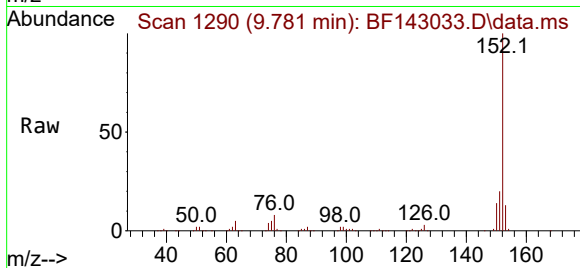
Tgt Ion:152 Resp: 410555

Ion Ratio Lower Upper

152 100

151 19.7 16.1 24.1

153 12.9 10.4 15.6



#50

Dimethylphthalate

Concen: 43.971 ng

RT: 9.633 min Scan# 1265

Delta R.T. -0.012 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

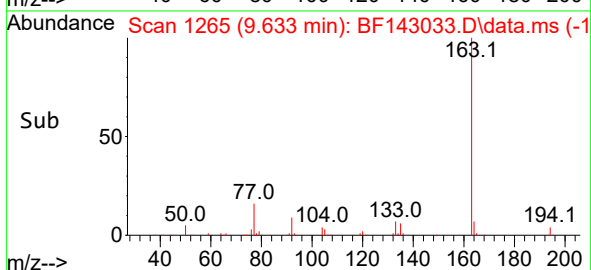
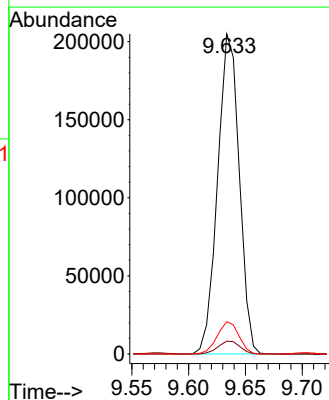
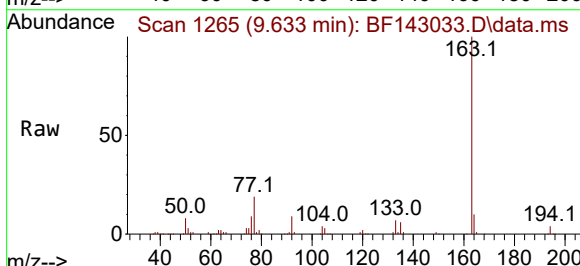
Tgt Ion:163 Resp: 271727

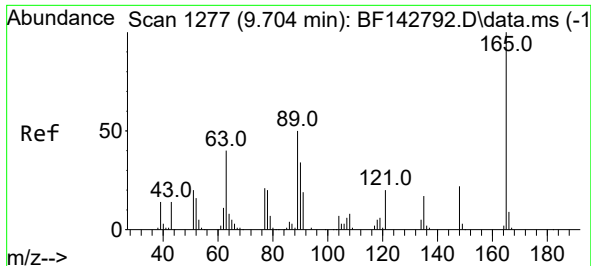
Ion Ratio Lower Upper

163 100

194 4.0 3.3 4.9

164 10.1 8.0 12.0

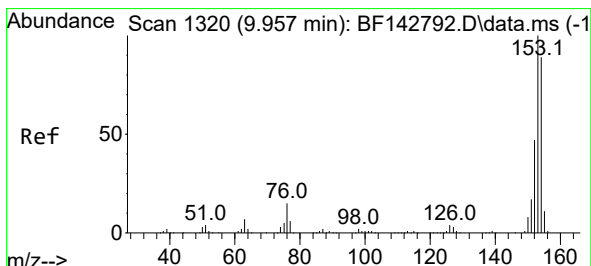
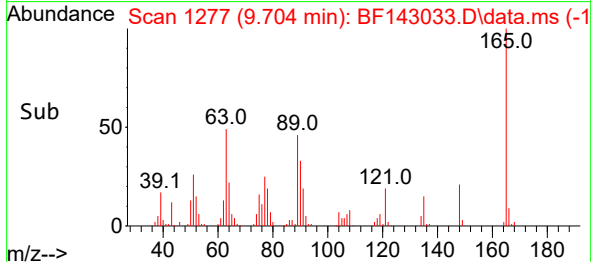
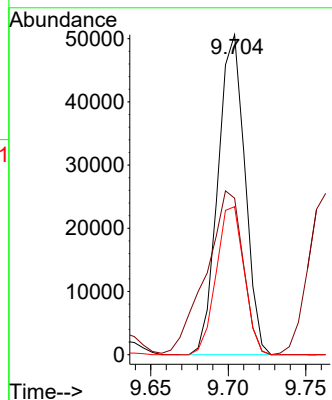
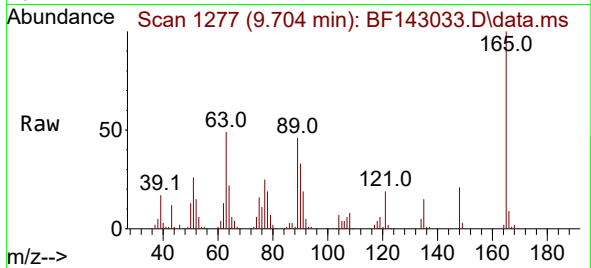




#51  
2,6-Dinitrotoluene  
Concen: 45.104 ng  
RT: 9.704 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF143033.D  
Acq: 08 Jul 2025 15:03

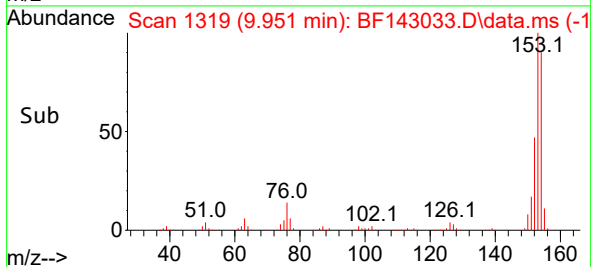
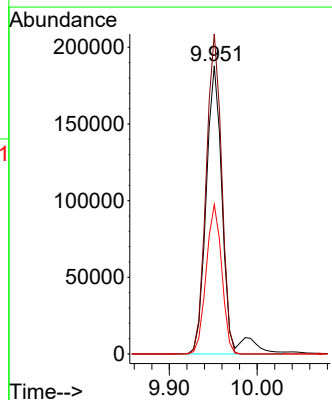
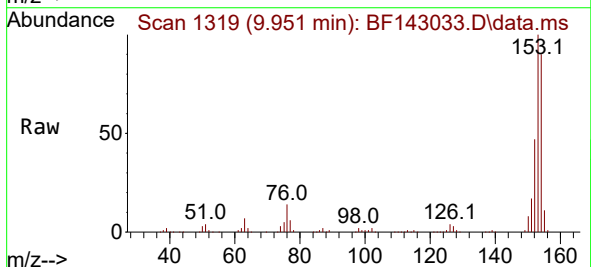
Instrument :  
BNA\_F  
ClientSampleId :  
TP-78MSD

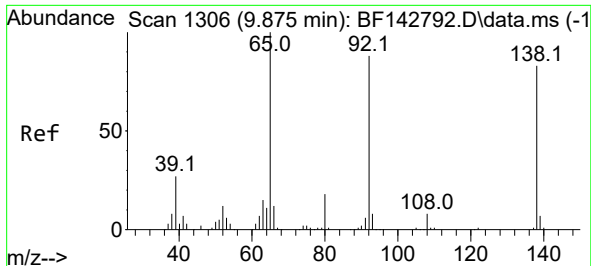
Tgt Ion:165 Resp: 61211  
Ion Ratio Lower Upper  
165 100  
63 48.9 44.2 66.4  
89 46.2 39.8 59.8



#52  
Acenaphthene  
Concen: 43.588 ng m  
RT: 9.951 min Scan# 1319  
Delta R.T. -0.006 min  
Lab File: BF143033.D  
Acq: 08 Jul 2025 15:03

Tgt Ion:154 Resp: 247761  
Ion Ratio Lower Upper  
154 100  
153 111.1 90.0 135.0  
152 51.9 41.9 62.9

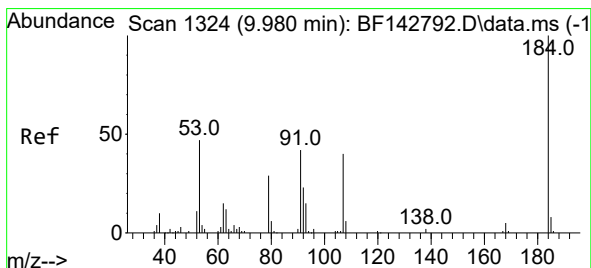
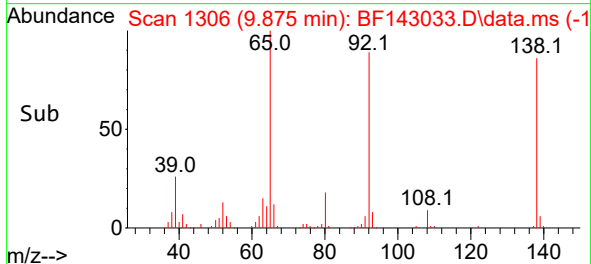
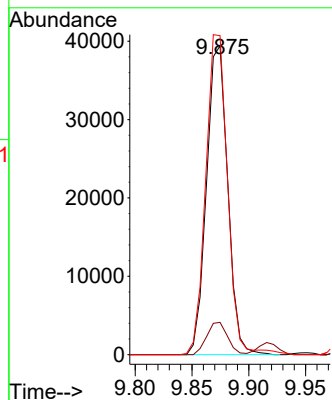
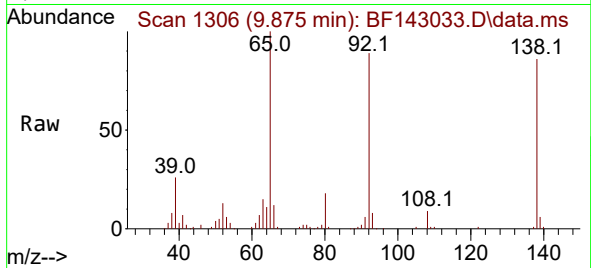




#53  
3-Nitroaniline  
Concen: 34.272 ng  
RT: 9.875 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF143033.D  
Acq: 08 Jul 2025 15:03

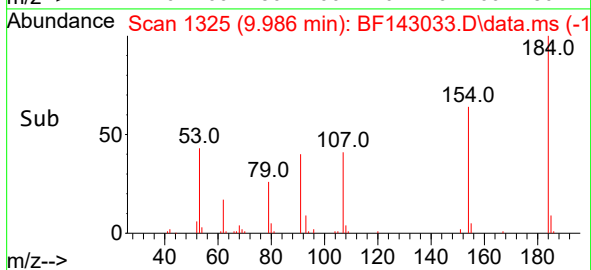
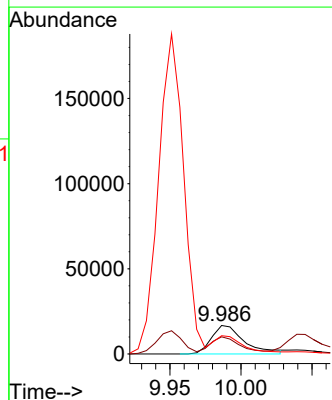
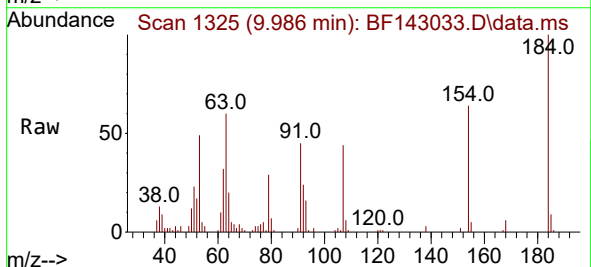
Instrument :  
BNA\_F  
ClientSampleId :  
TP-78MSD

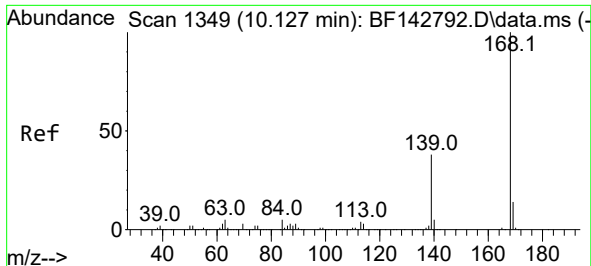
Tgt Ion:138 Resp: 51209  
Ion Ratio Lower Upper  
138 100  
108 10.5 8.1 12.1  
92 103.2 85.1 127.7



#54  
2,4-Dinitrophenol  
Concen: 39.615 ng  
RT: 9.986 min Scan# 1325  
Delta R.T. 0.006 min  
Lab File: BF143033.D  
Acq: 08 Jul 2025 15:03

Tgt Ion:184 Resp: 26920  
Ion Ratio Lower Upper  
184 100  
63 60.3 50.6 75.8  
154 64.0 51.8 77.8

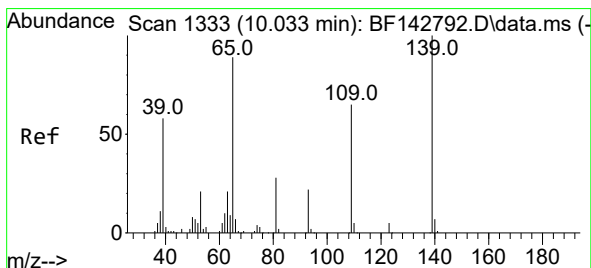
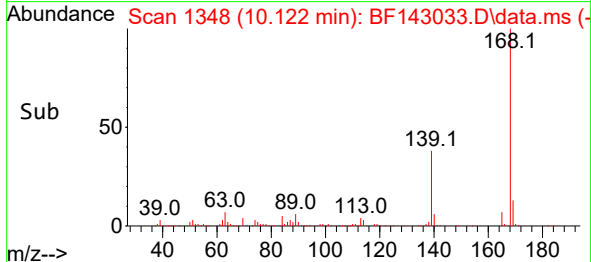
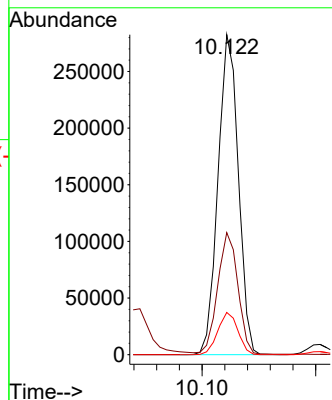
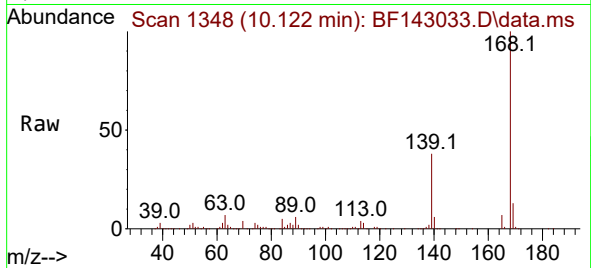




#55  
Dibenzenofuran  
Concen: 43.098 ng  
RT: 10.122 min Scan# 1348  
Delta R.T. -0.006 min  
Lab File: BF143033.D  
Acq: 08 Jul 2025 15:03

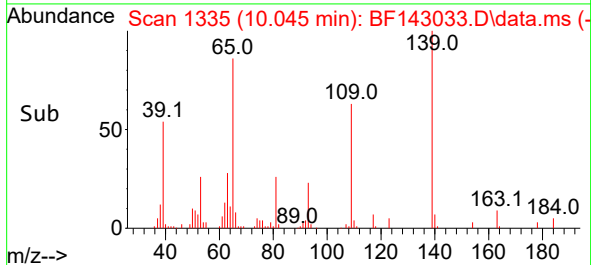
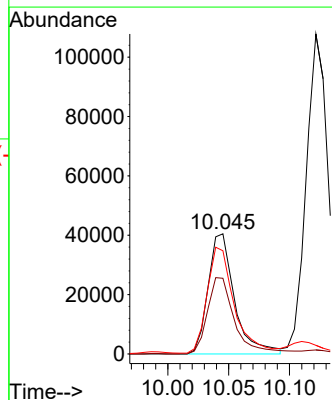
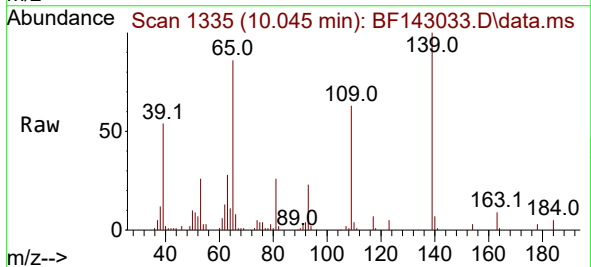
Instrument :  
BNA\_F  
ClientSampleId :  
TP-78MSD

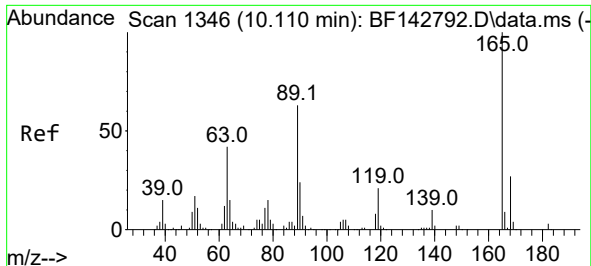
Tgt Ion:168 Resp: 351286  
Ion Ratio Lower Upper  
168 100  
139 38.2 30.2 45.4  
169 13.2 10.8 16.2



#56  
4-Nitrophenol  
Concen: 59.963 ng  
RT: 10.045 min Scan# 1335  
Delta R.T. 0.012 min  
Lab File: BF143033.D  
Acq: 08 Jul 2025 15:03

Tgt Ion:139 Resp: 61338  
Ion Ratio Lower Upper  
139 100  
109 63.0 44.7 84.7  
65 85.8 69.8 109.8





#57

2,4-Dinitrotoluene

Concen: 42.508 ng

RT: 10.110 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

Instrument :

BNA\_F

ClientSampleId :

TP-78MSD

Tgt Ion:165 Resp: 76627

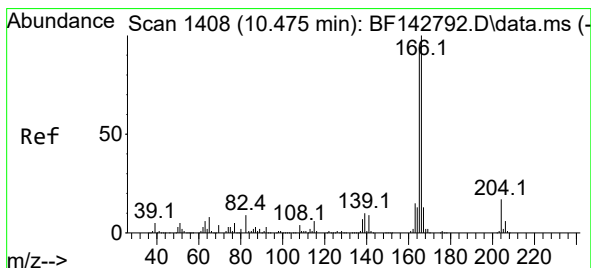
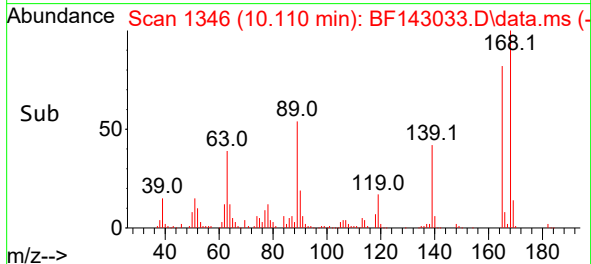
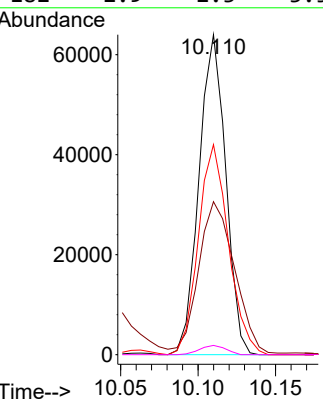
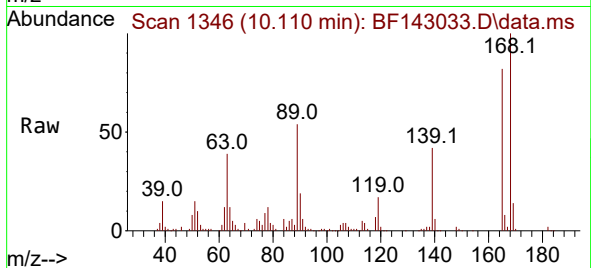
Ion Ratio Lower Upper

165 100

63 47.8 33.9 50.9

89 65.7 50.6 75.8

182 2.9 2.3 3.5



#58

Fluorene

Concen: 43.574 ng

RT: 10.469 min Scan# 1407

Delta R.T. -0.006 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

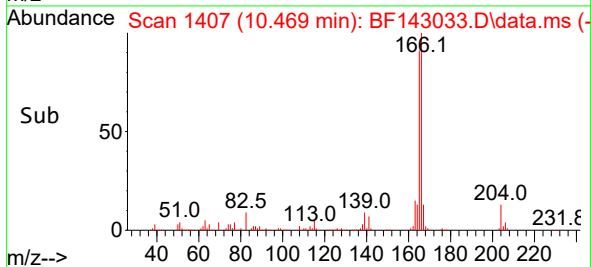
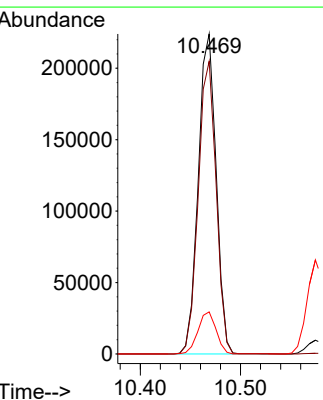
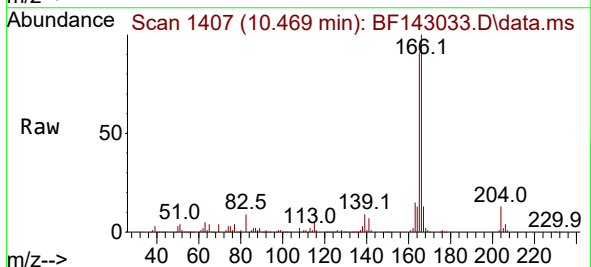
Tgt Ion:166 Resp: 277382

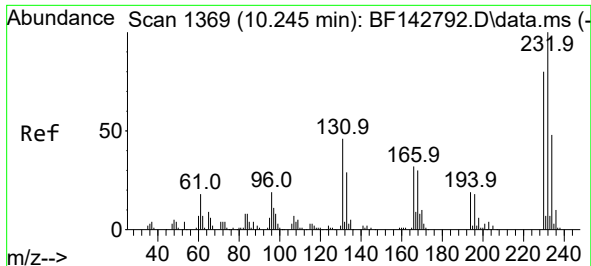
Ion Ratio Lower Upper

166 100

165 91.4 75.2 112.8

167 13.1 10.6 15.8

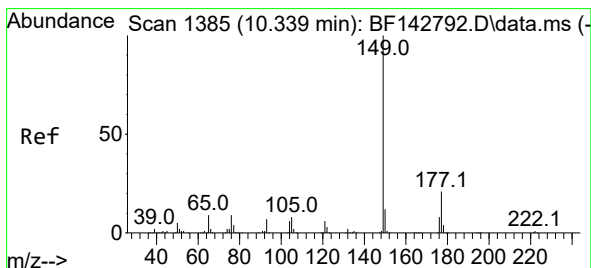
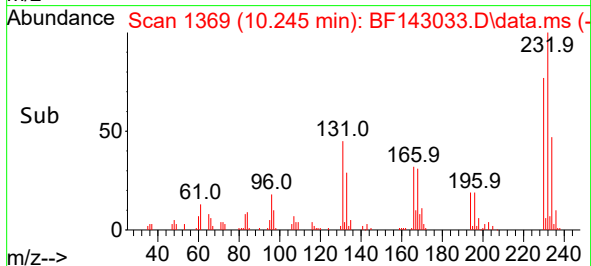
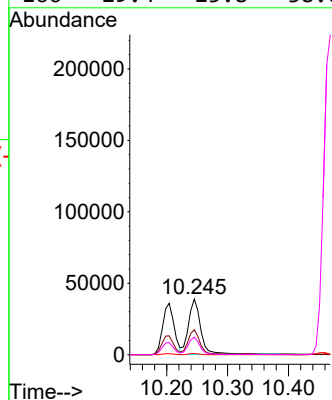
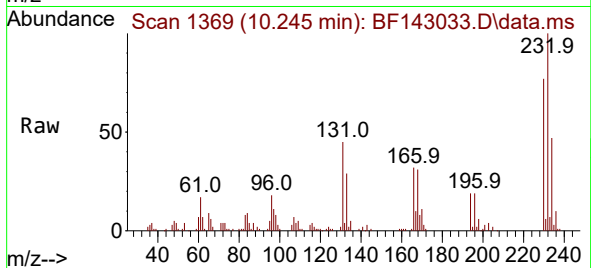




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 34.809 ng  
RT: 10.245 min Scan# 1369  
Delta R.T. 0.000 min  
Lab File: BF143033.D  
Acq: 08 Jul 2025 15:03

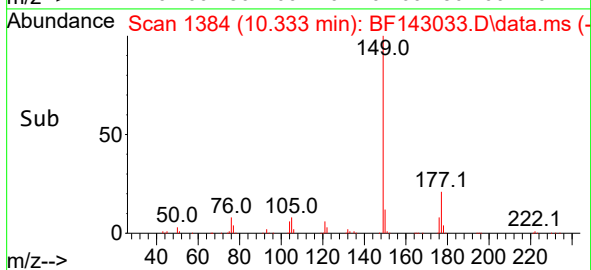
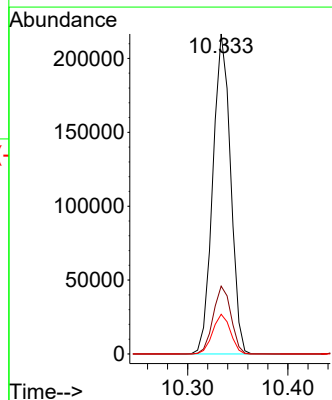
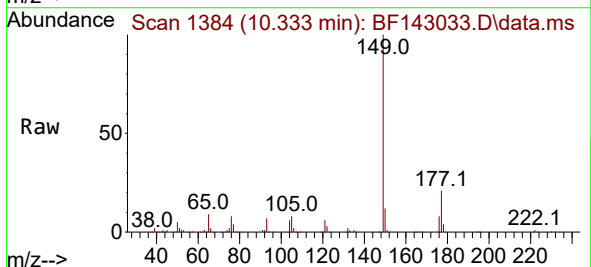
Instrument :  
BNA\_F  
ClientSampleId :  
TP-78MSD

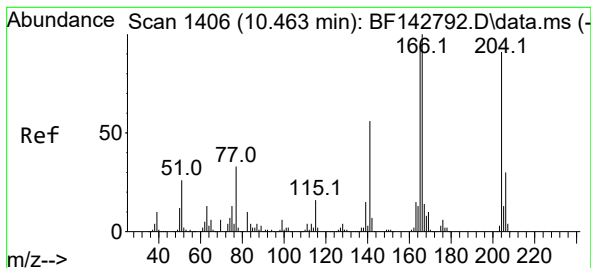
Tgt Ion:232 Resp: 54216  
Ion Ratio Lower Upper  
232 100  
131 44.7 37.6 56.4  
130 1.8 1.7 2.5  
166 29.4 25.8 38.6



#60  
Diethylphthalate  
Concen: 44.048 ng  
RT: 10.333 min Scan# 1384  
Delta R.T. -0.006 min  
Lab File: BF143033.D  
Acq: 08 Jul 2025 15:03

Tgt Ion:149 Resp: 266892  
Ion Ratio Lower Upper  
149 100  
177 21.2 17.0 25.6  
150 12.4 9.8 14.6

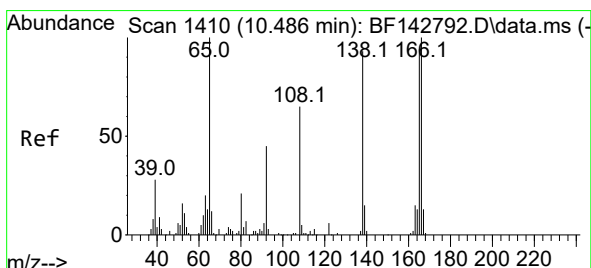
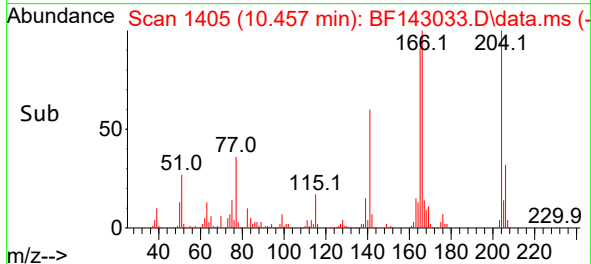
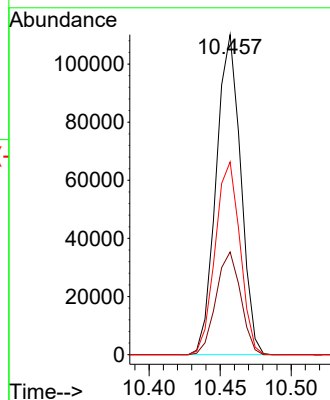
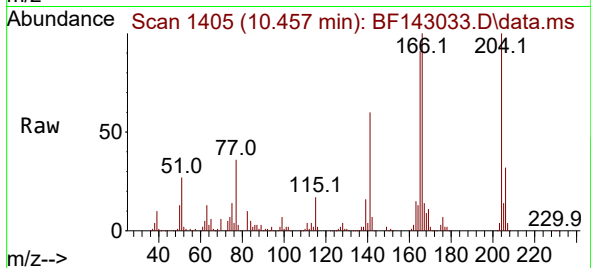




#61  
4-Chlorophenyl-phenylether  
Concen: 43.550 ng  
RT: 10.457 min Scan# 1405  
Delta R.T. -0.006 min  
Lab File: BF143033.D  
Acq: 08 Jul 2025 15:03

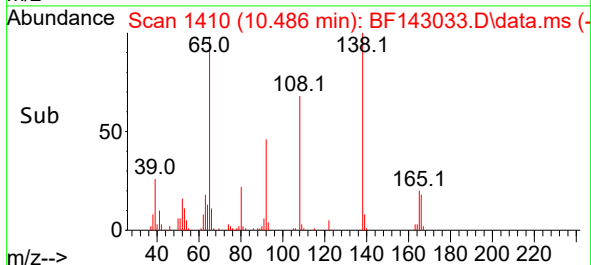
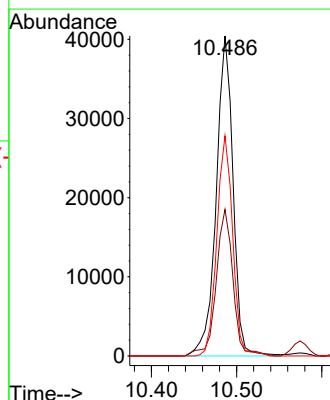
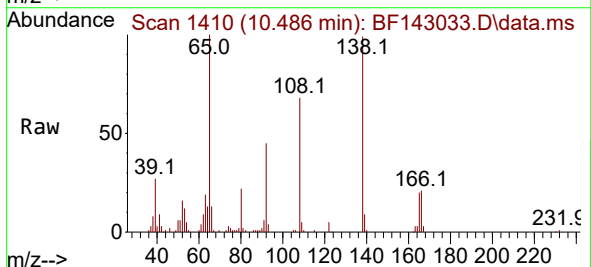
Instrument :  
BNA\_F  
ClientSampleId :  
TP-78MSD

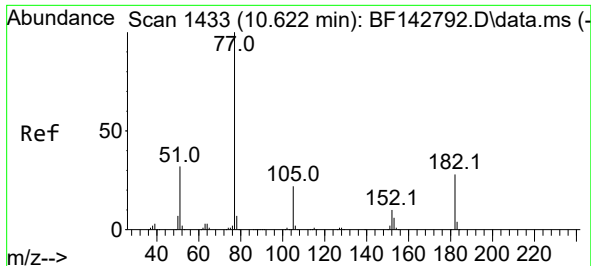
Tgt Ion:204 Resp: 132289  
Ion Ratio Lower Upper  
204 100  
206 32.1 26.3 39.5  
141 60.3 49.1 73.7



#62  
4-Nitroaniline  
Concen: 40.614 ng  
RT: 10.486 min Scan# 1410  
Delta R.T. 0.000 min  
Lab File: BF143033.D  
Acq: 08 Jul 2025 15:03

Tgt Ion:138 Resp: 55501  
Ion Ratio Lower Upper  
138 100  
92 45.8 28.4 68.4  
108 68.8 50.2 90.2



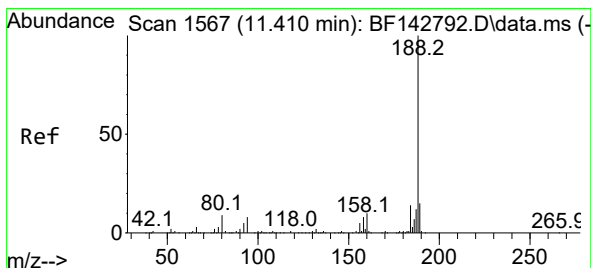
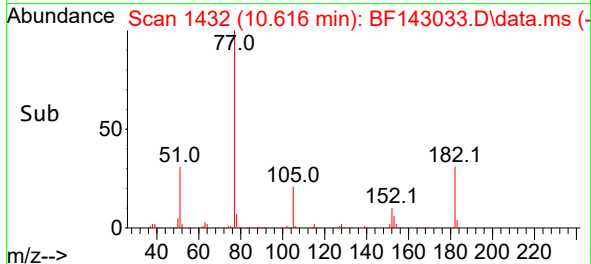
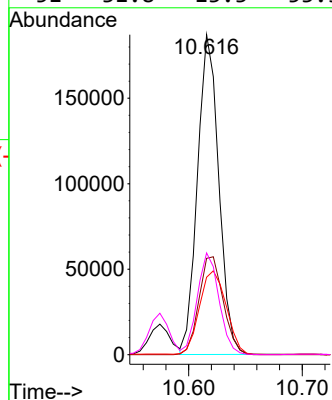
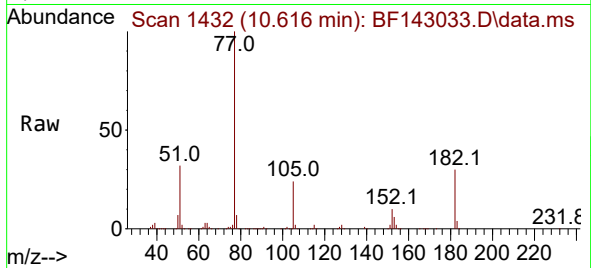


#63  
Azobenzene  
Concen: 45.018 ng  
RT: 10.616 min Scan# 1432  
Delta R.T. -0.006 min  
Lab File: BF143033.D  
Acq: 08 Jul 2025 15:03

Instrument :  
BNA\_F  
ClientSampleId :  
TP-78MSD

Tgt Ion: 77 Resp: 243790

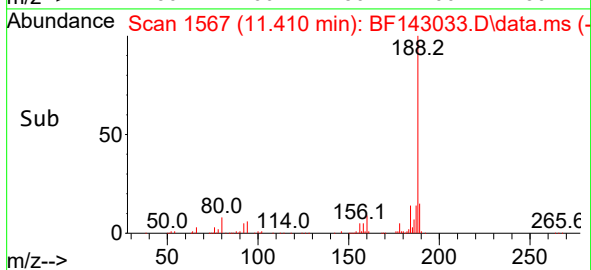
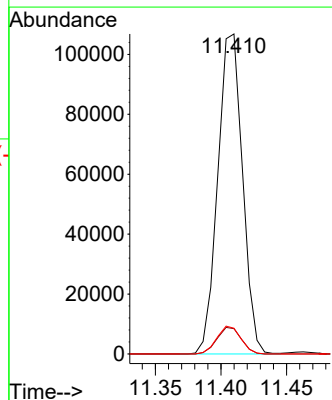
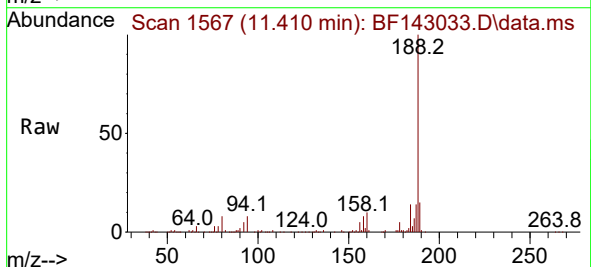
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 182 | 30.1  | 7.7   | 47.7  |
| 105 | 24.2  | 1.9   | 41.9  |
| 51  | 31.8  | 13.3  | 53.3  |

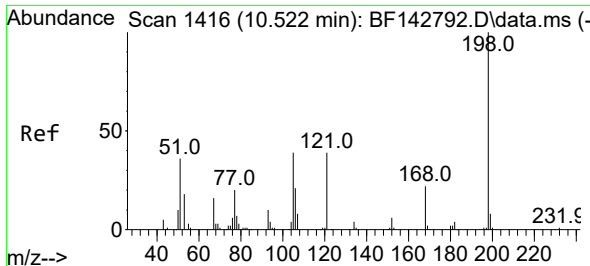


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.410 min Scan# 1567  
Delta R.T. 0.000 min  
Lab File: BF143033.D  
Acq: 08 Jul 2025 15:03

Tgt Ion: 188 Resp: 140156

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 188 | 100   |       |       |
| 94  | 7.9   | 6.7   | 10.1  |
| 80  | 8.1   | 6.9   | 10.3  |

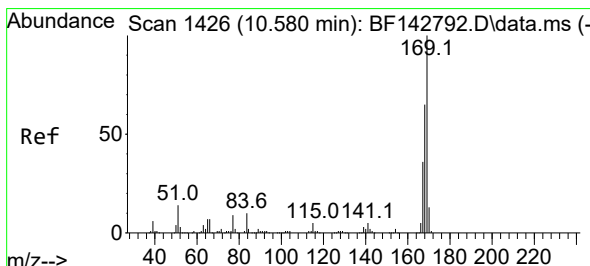
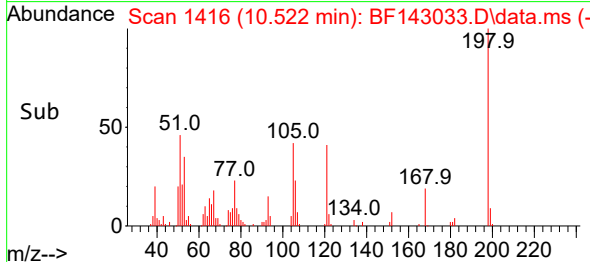
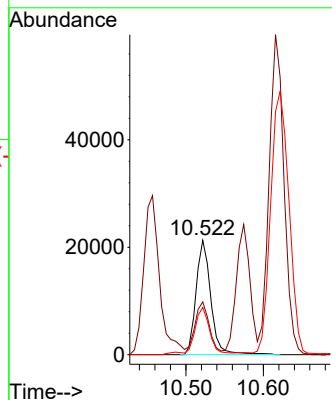
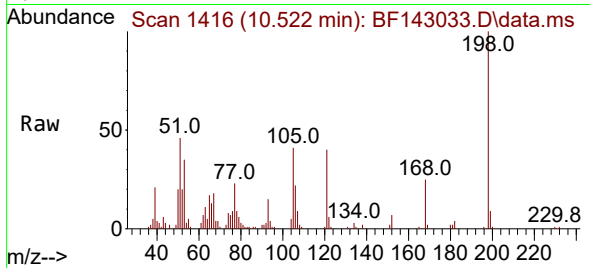




#65  
4,6-Dinitro-2-methylphenol  
Concen: 33.219 ng  
RT: 10.522 min Scan# 1416  
Delta R.T. 0.000 min  
Lab File: BF143033.D  
Acq: 08 Jul 2025 15:03

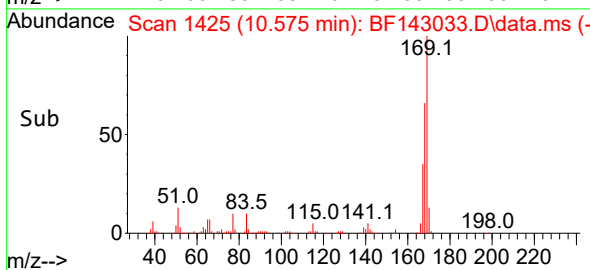
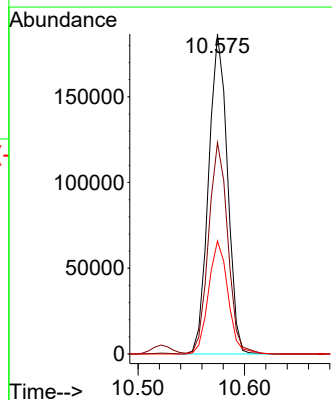
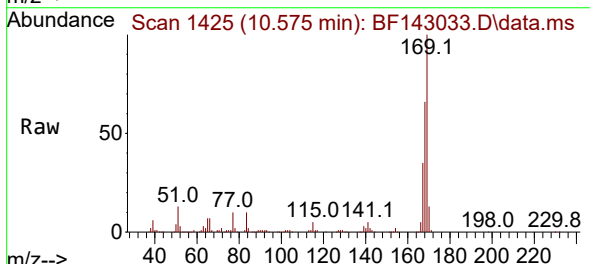
Instrument :  
BNA\_F  
ClientSampleId :  
TP-78MSD

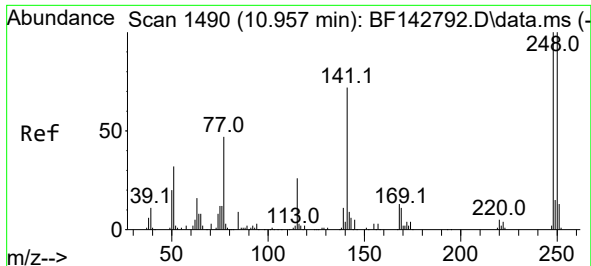
Tgt Ion:198 Resp: 28162  
Ion Ratio Lower Upper  
198 100  
51 46.2 25.4 65.4  
105 41.2 20.4 60.4



#66  
n-Nitrosodiphenylamine  
Concen: 47.150 ng  
RT: 10.575 min Scan# 1425  
Delta R.T. -0.006 min  
Lab File: BF143033.D  
Acq: 08 Jul 2025 15:03

Tgt Ion:169 Resp: 229029  
Ion Ratio Lower Upper  
169 100  
168 66.1 51.9 77.9  
167 35.3 28.5 42.7

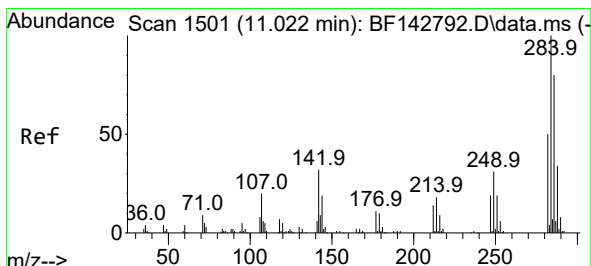
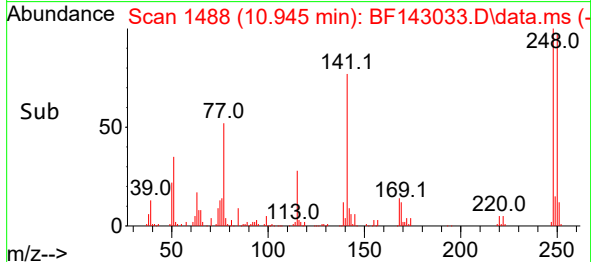
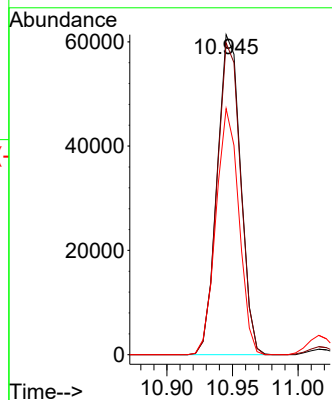
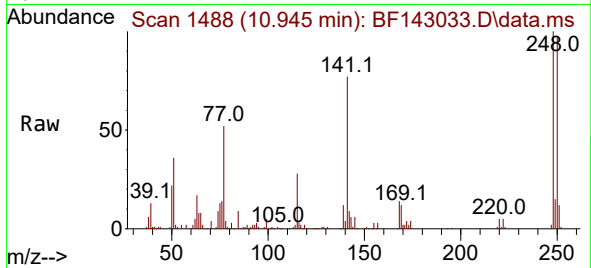




#67  
4-Bromophenyl-phenylether  
Concen: 47.889 ng  
RT: 10.945 min Scan# 1488  
Delta R.T. -0.012 min  
Lab File: BF143033.D  
Acq: 08 Jul 2025 15:03

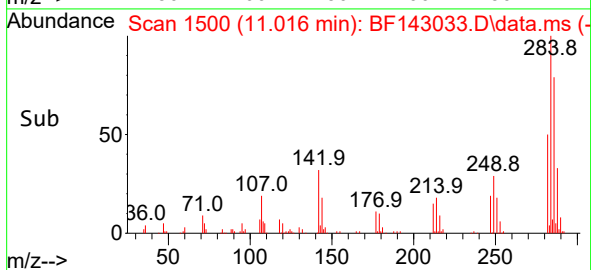
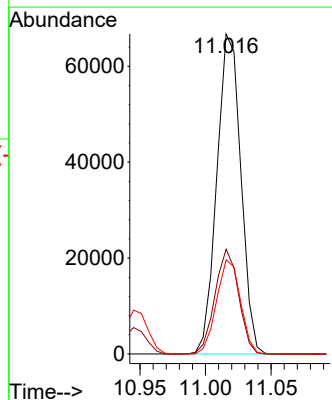
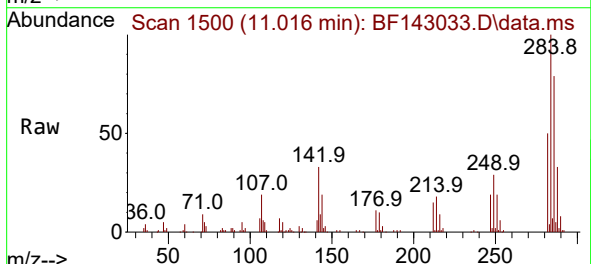
Instrument :  
BNA\_F  
ClientSampleId :  
TP-78MSD

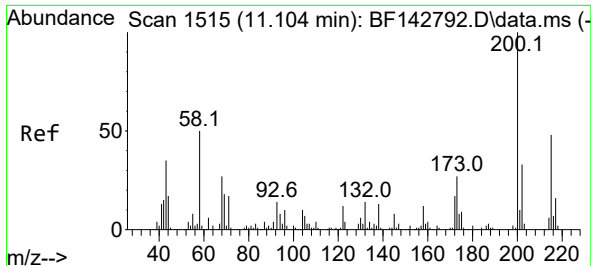
Tgt Ion:248 Resp: 76388  
Ion Ratio Lower Upper  
248 100  
250 97.4 79.8 119.8  
141 76.9 57.8 86.6



#68  
Hexachlorobenzene  
Concen: 47.904 ng  
RT: 11.016 min Scan# 1500  
Delta R.T. -0.006 min  
Lab File: BF143033.D  
Acq: 08 Jul 2025 15:03

Tgt Ion:284 Resp: 84907  
Ion Ratio Lower Upper  
284 100  
142 32.8 25.5 38.3  
249 29.5 24.9 37.3

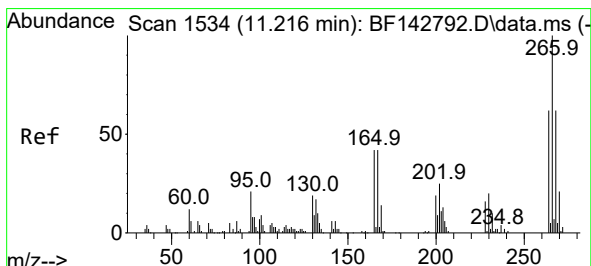
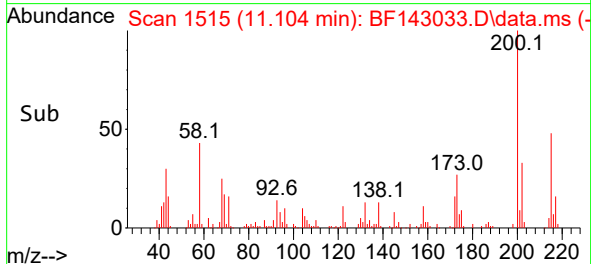
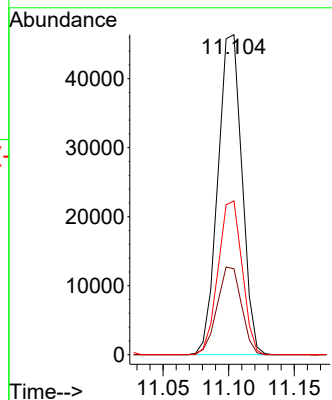
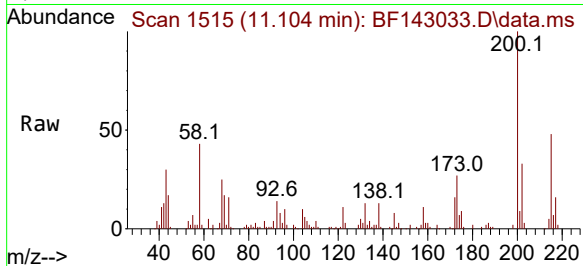




#69  
 Atrazine  
 Concen: 47.225 ng  
 RT: 11.104 min Scan# 1515  
 Delta R.T. 0.000 min  
 Lab File: BF143033.D  
 Acq: 08 Jul 2025 15:03

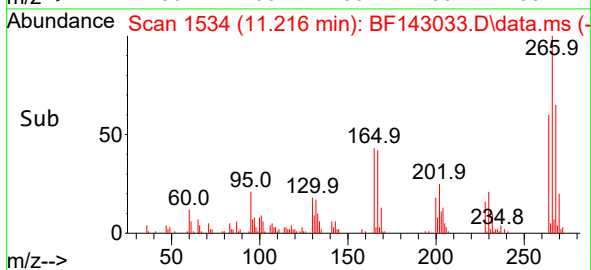
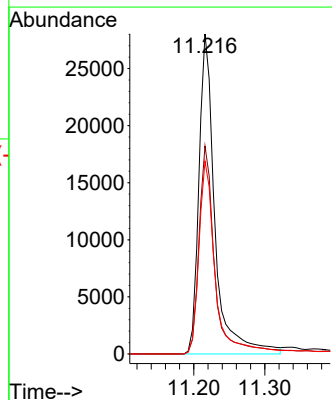
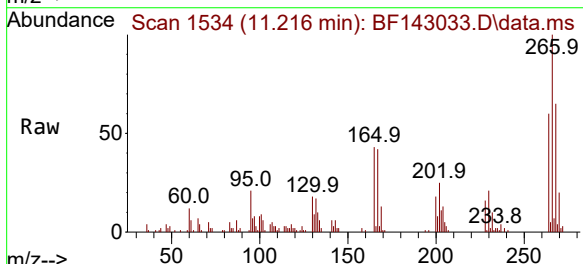
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-78MSD

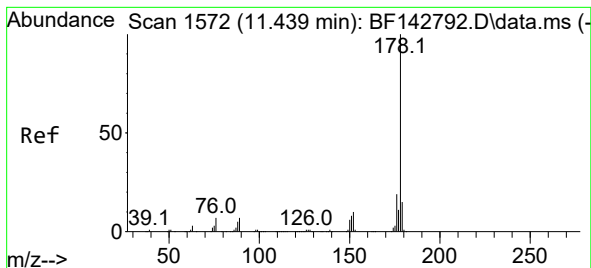
Tgt Ion:200 Resp: 59237  
 Ion Ratio Lower Upper  
 200 100  
 173 26.8 7.4 47.4  
 215 48.1 28.4 68.4



#70  
 Pentachlorophenol  
 Concen: 50.068 ng  
 RT: 11.216 min Scan# 1534  
 Delta R.T. 0.000 min  
 Lab File: BF143033.D  
 Acq: 08 Jul 2025 15:03

Tgt Ion:266 Resp: 44220  
 Ion Ratio Lower Upper  
 266 100  
 268 65.0 49.8 74.8  
 264 60.2 49.9 74.9





#71

Phenanthrene

Concen: 44.978 ng

RT: 11.433 min Scan# 1572

Delta R.T. -0.006 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

Instrument :

BNA\_F

ClientSampleId :

TP-78MSD

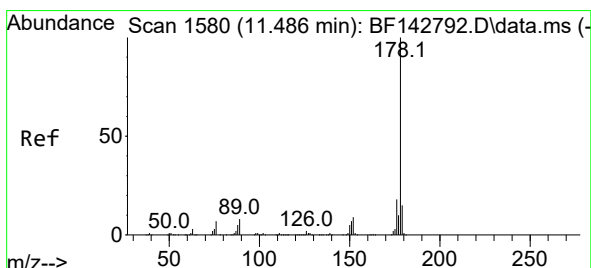
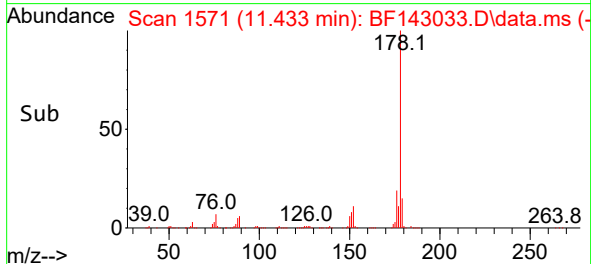
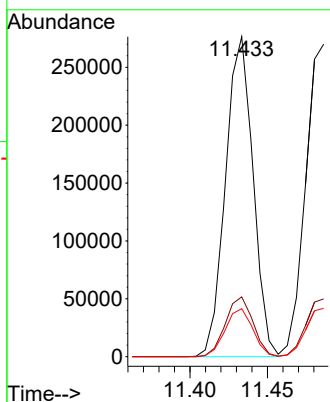
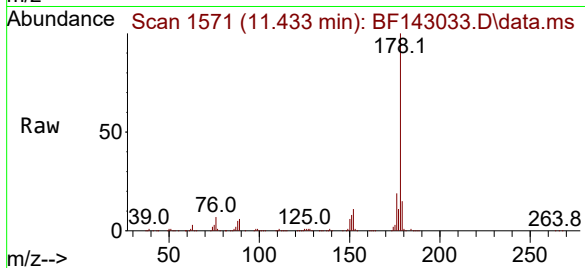
Tgt Ion:178 Resp: 341483

Ion Ratio Lower Upper

178 100

176 18.7 15.1 22.7

179 15.0 12.0 18.0



#72

Anthracene

Concen: 44.699 ng

RT: 11.486 min Scan# 1580

Delta R.T. 0.000 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

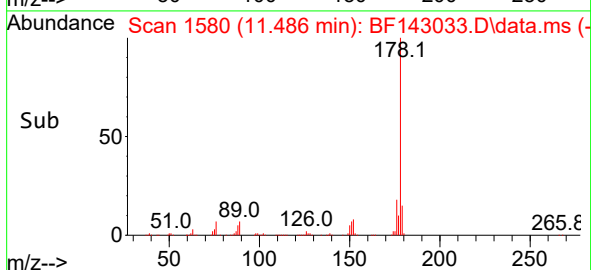
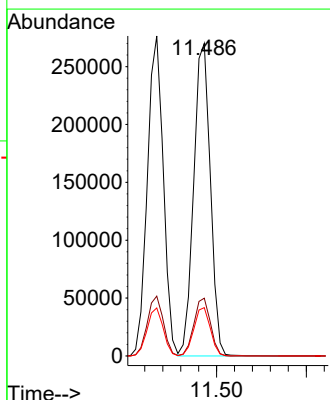
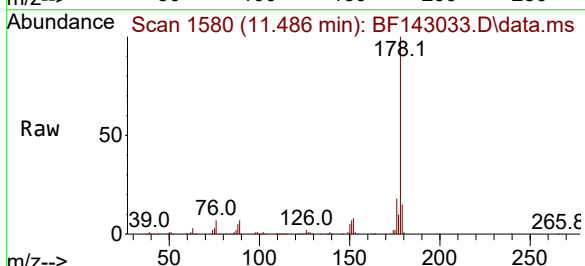
Tgt Ion:178 Resp: 348053

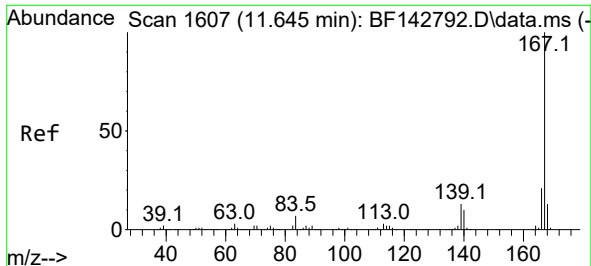
Ion Ratio Lower Upper

178 100

176 18.5 14.6 21.8

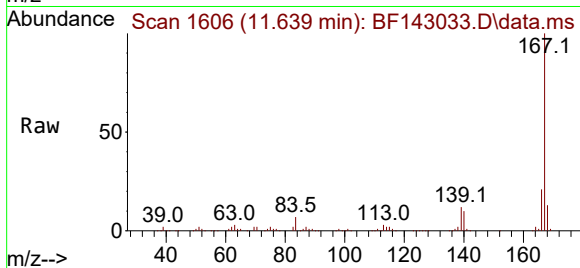
179 15.4 12.4 18.6



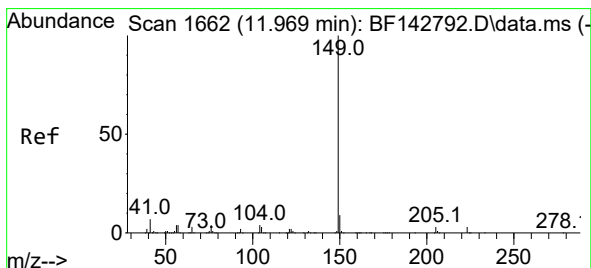
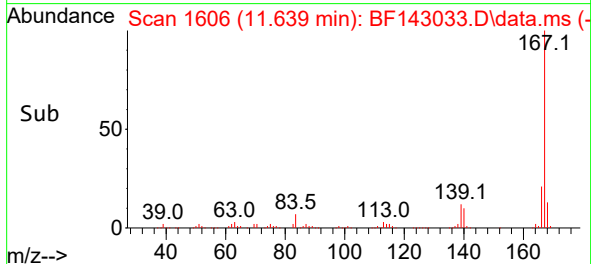
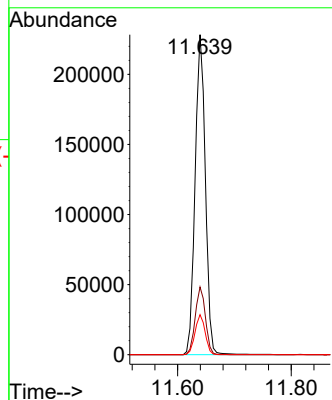


#73  
 Carbazole  
 Concen: 42.823 ng  
 RT: 11.639 min Scan# 1606  
 Delta R.T. -0.006 min  
 Lab File: BF143033.D  
 Acq: 08 Jul 2025 15:03

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-78MSD

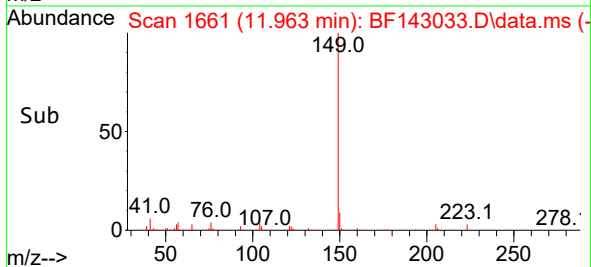
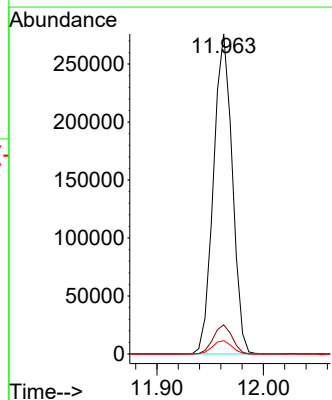
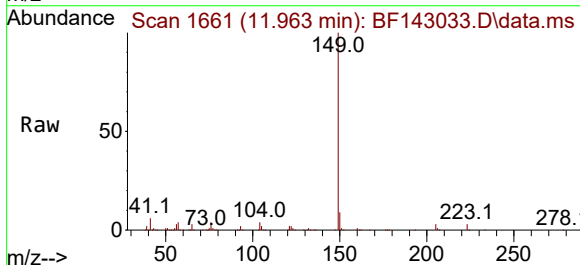


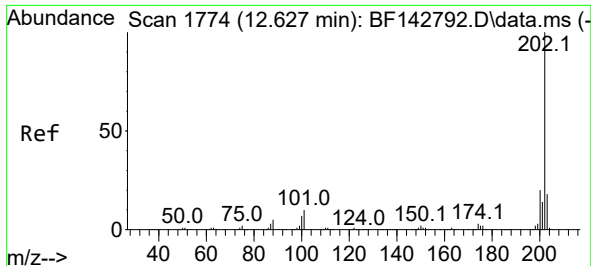
Tgt Ion:167 Resp: 287745  
 Ion Ratio Lower Upper  
 167 100  
 166 21.1 17.0 25.4  
 139 12.5 10.2 15.2



#74  
 Di-n-butylphthalate  
 Concen: 48.234 ng  
 RT: 11.963 min Scan# 1661  
 Delta R.T. -0.006 min  
 Lab File: BF143033.D  
 Acq: 08 Jul 2025 15:03

Tgt Ion:149 Resp: 337638  
 Ion Ratio Lower Upper  
 149 100  
 150 9.1 7.4 11.0  
 104 4.2 3.5 5.3

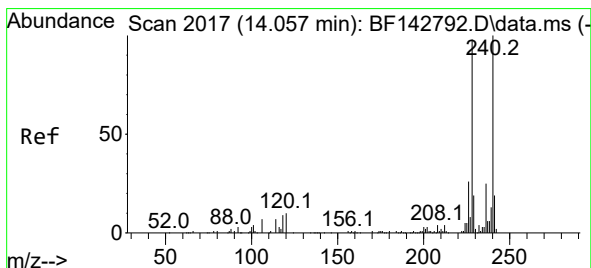
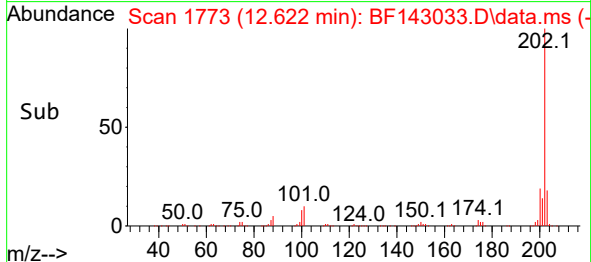
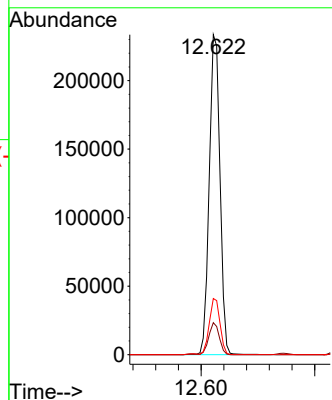
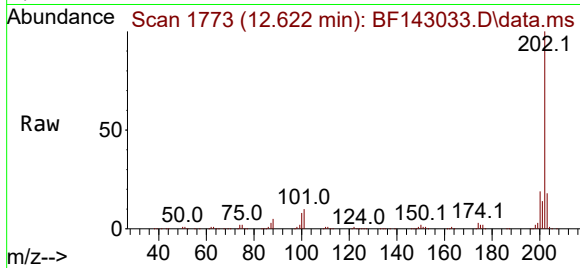




#75  
Fluoranthene  
Concen: 42.274 ng  
RT: 12.622 min Scan# 1774  
Delta R.T. -0.006 min  
Lab File: BF143033.D  
Acq: 08 Jul 2025 15:03

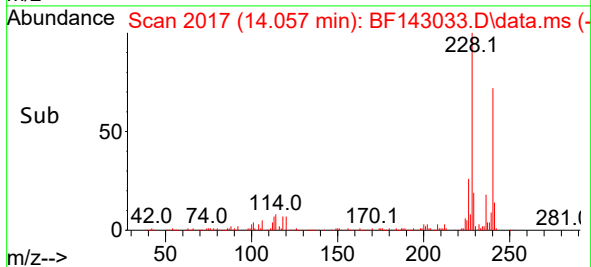
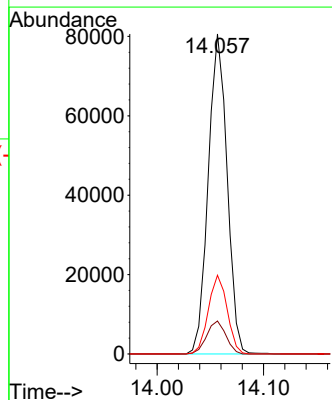
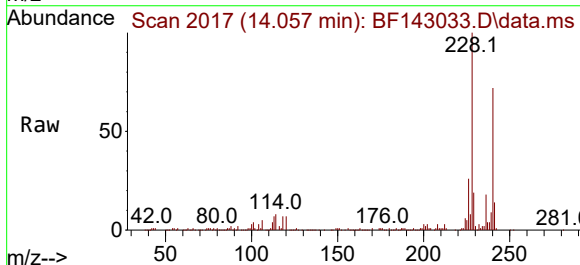
Instrument :  
BNA\_F  
ClientSampleId :  
TP-78MSD

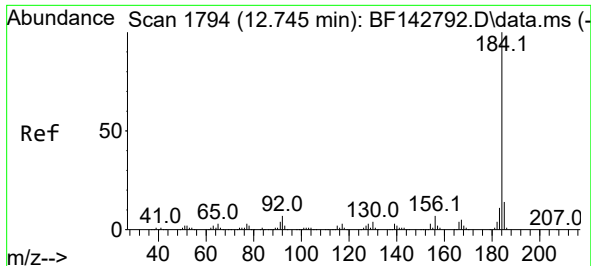
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 304602 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 10.0  | 0.0   | 29.7   |
| 203       | 17.6  | 0.0   | 37.5   |



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.057 min Scan# 2017  
Delta R.T. 0.000 min  
Lab File: BF143033.D  
Acq: 08 Jul 2025 15:03

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 240   | Resp: | 99167 |
| Ion Ratio | Lower | Upper |       |
| 240       | 100   |       |       |
| 120       | 10.3  | 8.2   | 12.2  |
| 236       | 24.6  | 19.8  | 29.8  |

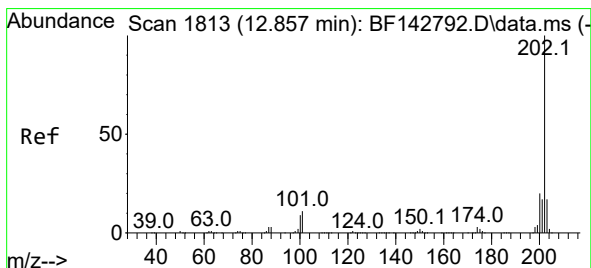
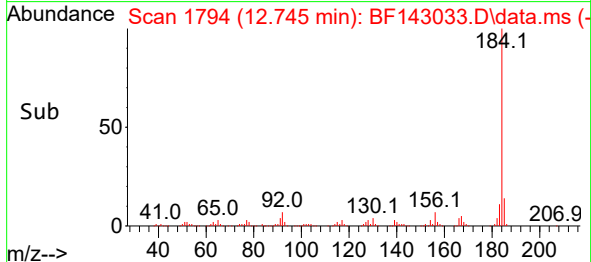
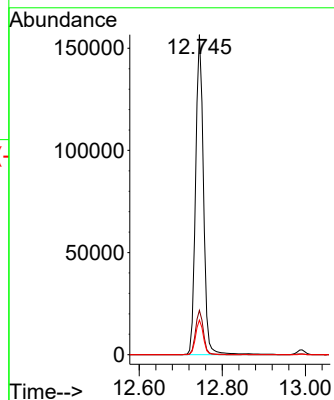
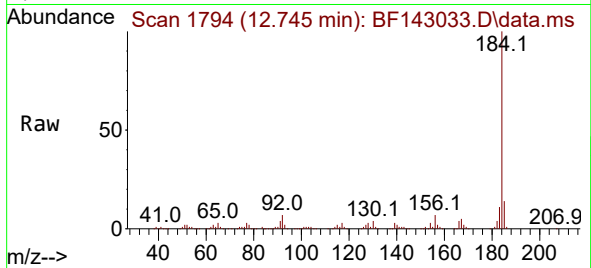




#77  
Benzidine  
Concen: 55.220 ng  
RT: 12.745 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF143033.D  
Acq: 08 Jul 2025 15:03

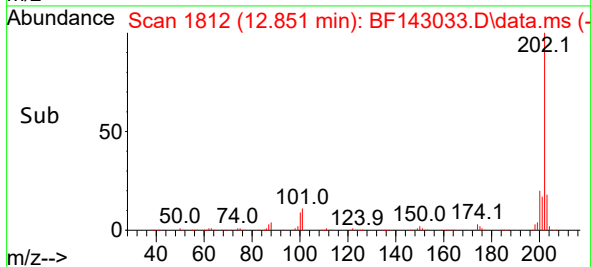
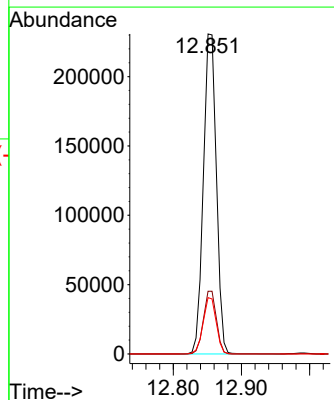
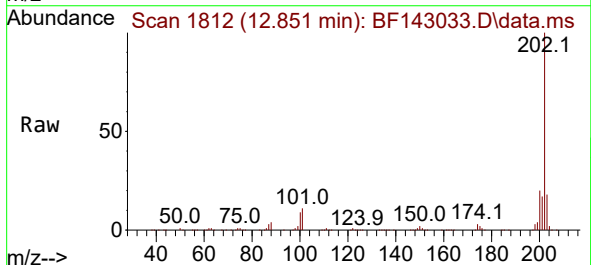
Instrument :  
BNA\_F  
ClientSampleId :  
TP-78MSD

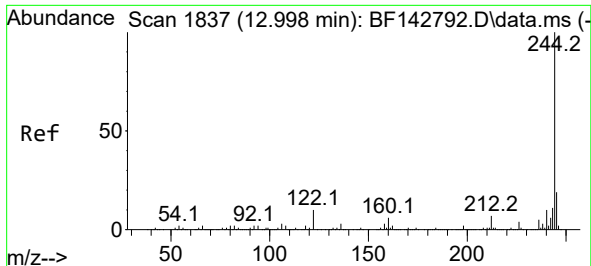
Tgt Ion:184 Resp: 205738  
Ion Ratio Lower Upper  
184 100  
185 13.9 11.5 17.3  
183 10.8 9.0 13.4



#78  
Pyrene  
Concen: 33.005 ng  
RT: 12.851 min Scan# 1812  
Delta R.T. -0.006 min  
Lab File: BF143033.D  
Acq: 08 Jul 2025 15:03

Tgt Ion:202 Resp: 306793  
Ion Ratio Lower Upper  
202 100  
200 19.6 15.7 23.5  
203 17.6 13.8 20.6

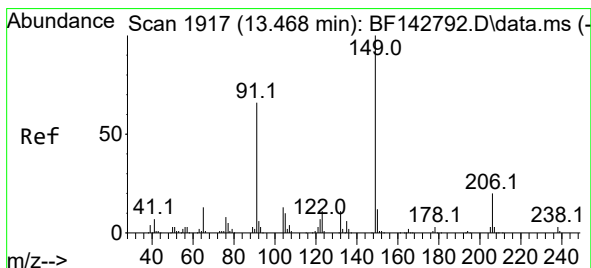
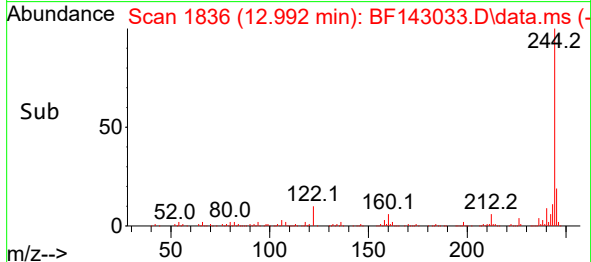
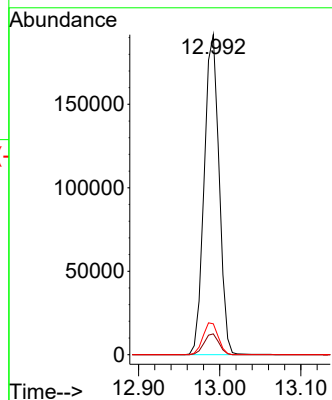
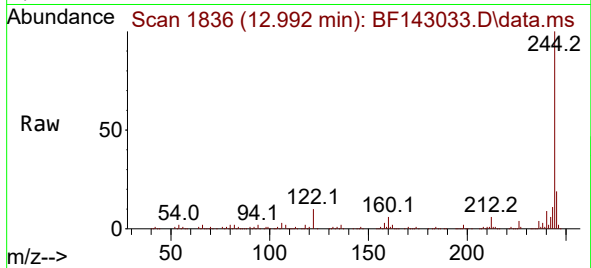




#79  
 Terphenyl-d14  
 Concen: 34.051 ng  
 RT: 12.992 min Scan# 1836  
 Delta R.T. -0.006 min  
 Lab File: BF143033.D  
 Acq: 08 Jul 2025 15:03

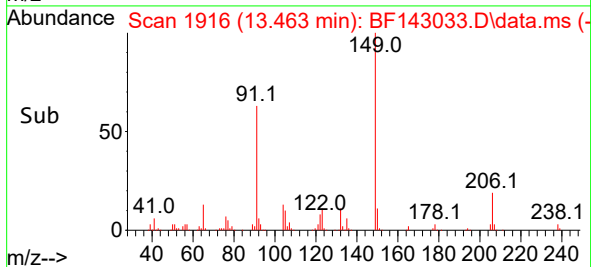
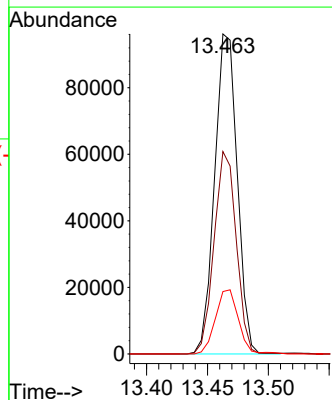
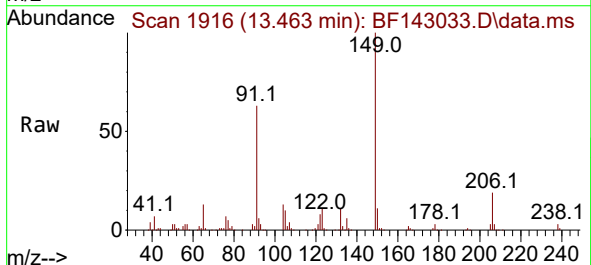
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-78MSD

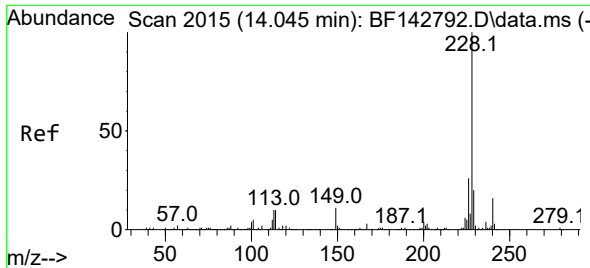
Tgt Ion:244 Resp: 244393  
 Ion Ratio Lower Upper  
 244 100  
 212 6.5 5.4 8.0  
 122 9.7 8.2 12.2



#80  
 Butylbenzylphthalate  
 Concen: 46.082 ng  
 RT: 13.463 min Scan# 1916  
 Delta R.T. -0.006 min  
 Lab File: BF143033.D  
 Acq: 08 Jul 2025 15:03

Tgt Ion:149 Resp: 124253  
 Ion Ratio Lower Upper  
 149 100  
 91 63.3 52.9 79.3  
 206 19.5 16.3 24.5

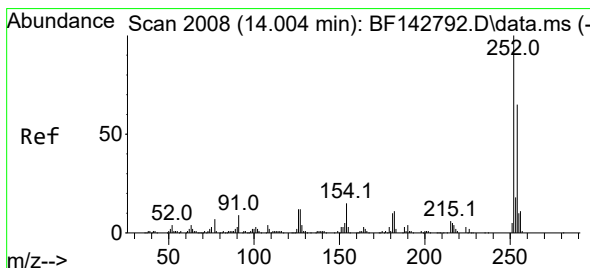
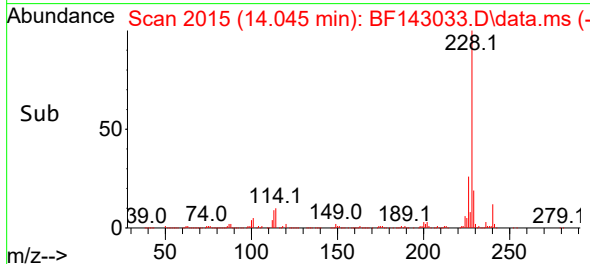
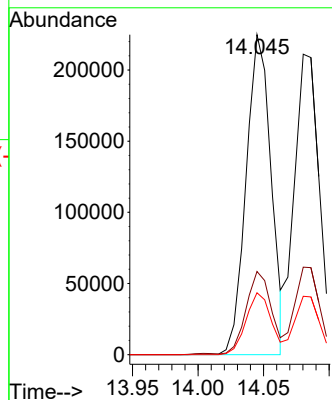
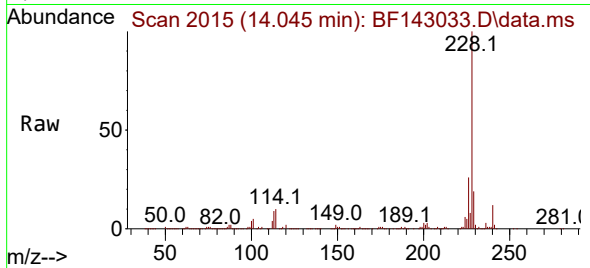




#81  
Benzo(a)anthracene  
Concen: 44.491 ng  
RT: 14.045 min Scan# 2015  
Delta R.T. 0.000 min  
Lab File: BF143033.D  
Acq: 08 Jul 2025 15:03

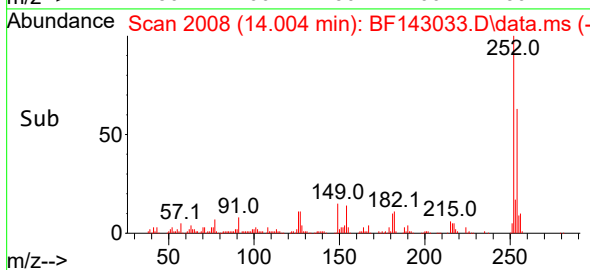
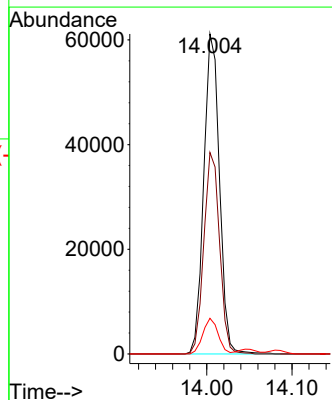
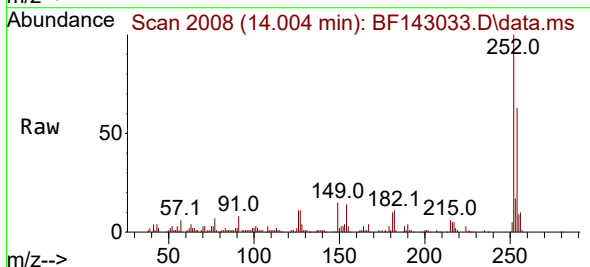
Instrument :  
BNA\_F  
ClientSampleId :  
TP-78MSD

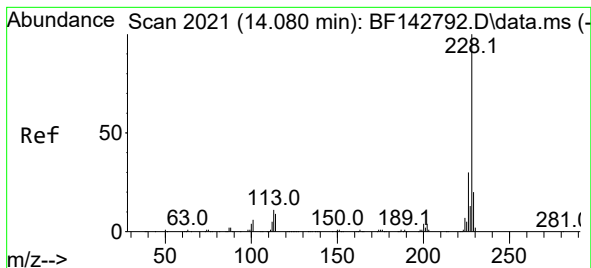
Tgt Ion:228 Resp: 297642  
Ion Ratio Lower Upper  
228 100  
226 26.0 21.2 31.8  
229 19.4 15.6 23.4



#82  
3,3'-Dichlorobenzidine  
Concen: 36.051 ng  
RT: 14.004 min Scan# 2008  
Delta R.T. 0.000 min  
Lab File: BF143033.D  
Acq: 08 Jul 2025 15:03

Tgt Ion:252 Resp: 78228  
Ion Ratio Lower Upper  
252 100  
254 63.0 51.7 77.5  
126 11.1 9.4 14.2





#83

Chrysene

Concen: 46.494 ng

RT: 14.080 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

Instrument :

BNA\_F

ClientSampleId :

TP-78MSD

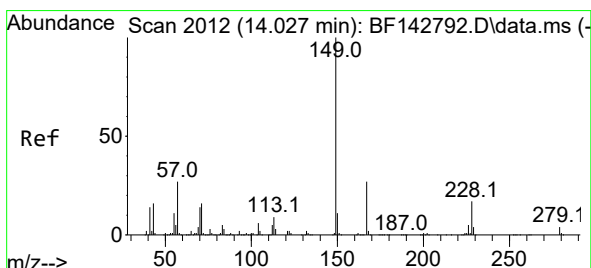
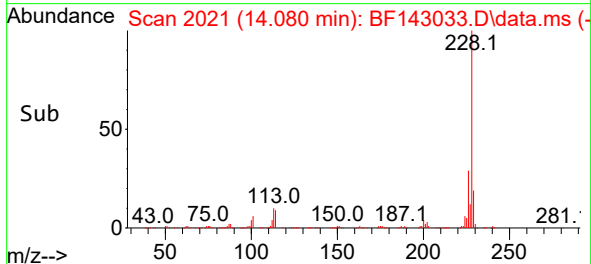
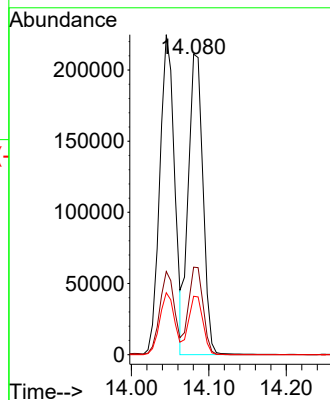
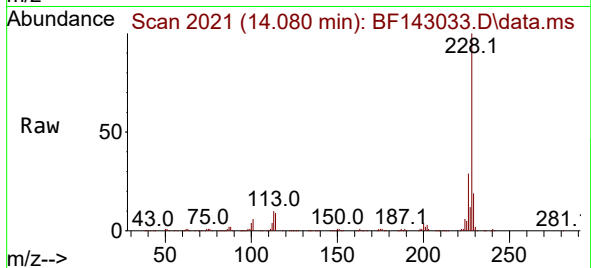
Tgt Ion:228 Resp: 277545

Ion Ratio Lower Upper

228 100

226 29.1 23.7 35.5

229 19.4 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 46.532 ng

RT: 14.021 min Scan# 2011

Delta R.T. -0.006 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

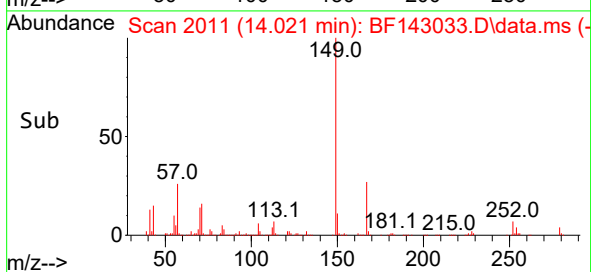
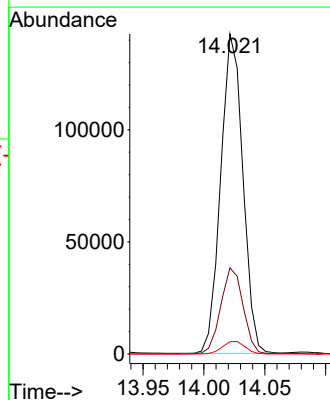
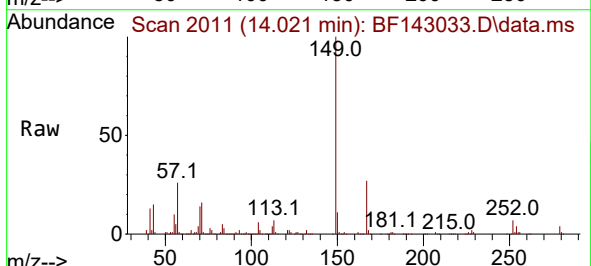
Tgt Ion:149 Resp: 180518

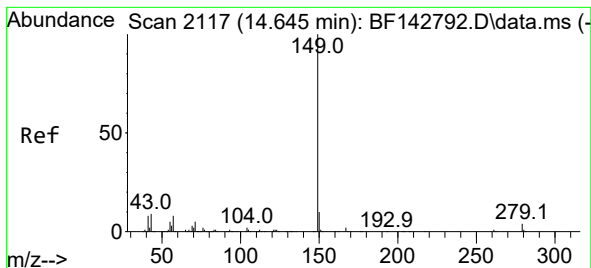
Ion Ratio Lower Upper

149 100

167 26.9 21.4 32.0

279 3.9 3.0 4.6





#85

Di-n-octyl phthalate

Concen: 46.759 ng

RT: 14.639 min Scan# 2116

Delta R.T. -0.006 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

Instrument :

BNA\_F

ClientSampleId :

TP-78MSD

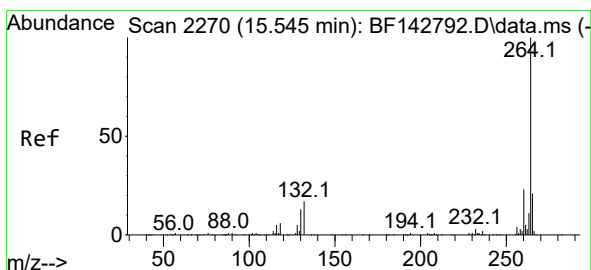
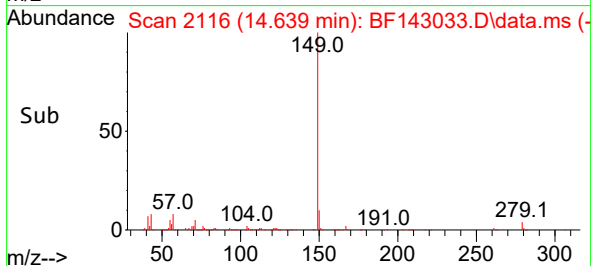
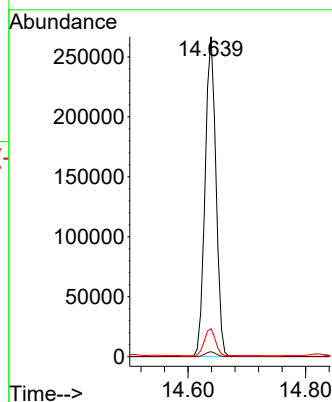
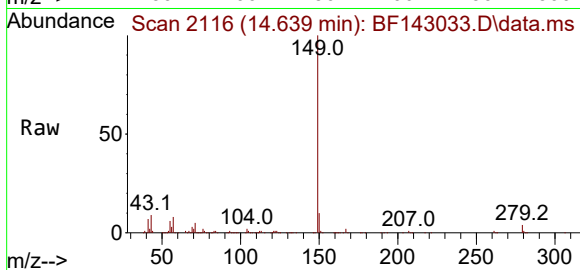
Tgt Ion:149 Resp: 342049

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 8.6 7.6 11.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 2271

Delta R.T. 0.006 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

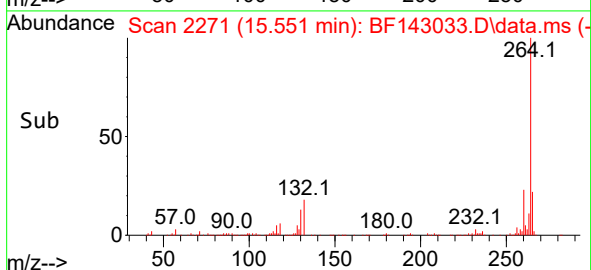
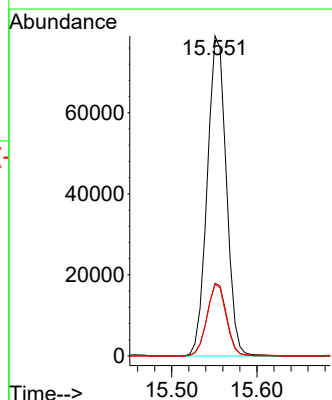
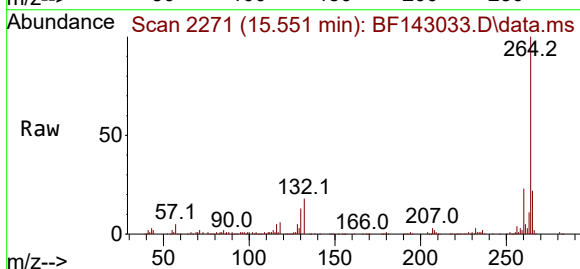
Tgt Ion:264 Resp: 122553

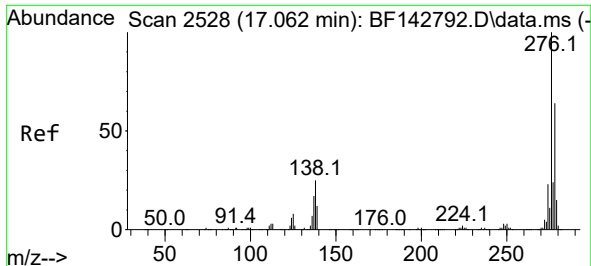
Ion Ratio Lower Upper

264 100

260 22.7 18.1 27.1

265 22.4 16.6 25.0

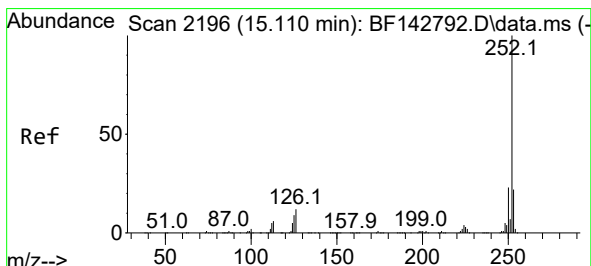
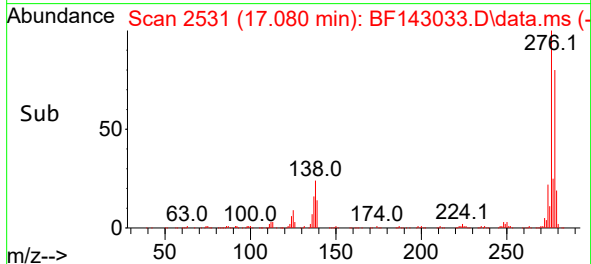
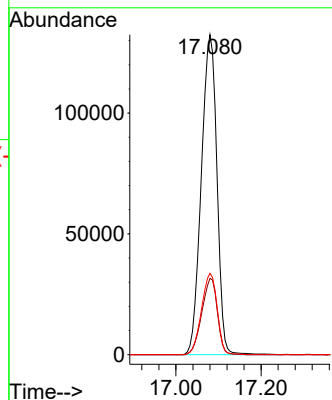
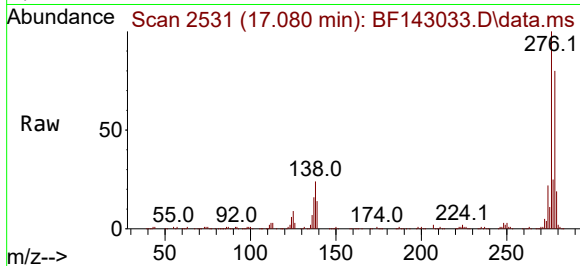




#87  
Indeno(1,2,3-cd)pyrene  
Concen: 36.071 ng  
RT: 17.080 min Scan# 2197  
Delta R.T. 0.018 min  
Lab File: BF143033.D  
Acq: 08 Jul 2025 15:03

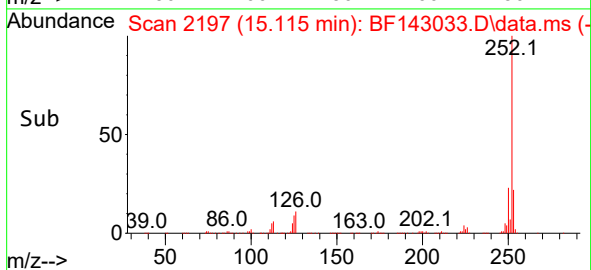
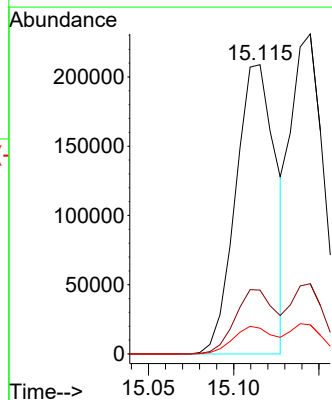
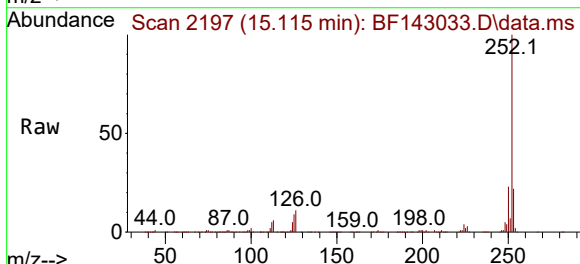
Instrument :  
BNA\_F  
ClientSampleId :  
TP-78MSD

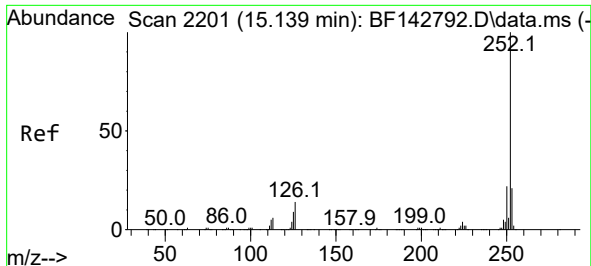
Tgt Ion:276 Resp: 336716  
Ion Ratio Lower Upper  
276 100  
138 23.7 20.2 30.4  
277 25.5 19.8 29.6



#88  
Benzo(b)fluoranthene  
Concen: 48.144 ng  
RT: 15.115 min Scan# 2197  
Delta R.T. 0.006 min  
Lab File: BF143033.D  
Acq: 08 Jul 2025 15:03

Tgt Ion:252 Resp: 341411  
Ion Ratio Lower Upper  
252 100  
253 22.1 17.5 26.3  
125 8.9 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 46.486 ng

RT: 15.145 min Scan# 2201

Delta R.T. 0.006 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

Instrument :

BNA\_F

ClientSampleId :

TP-78MSD

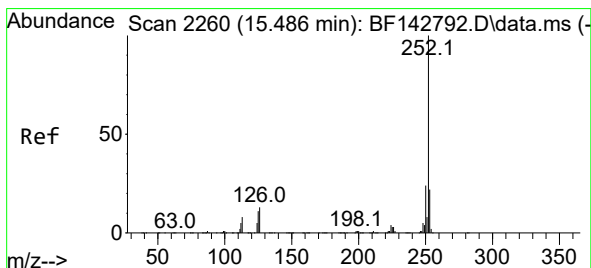
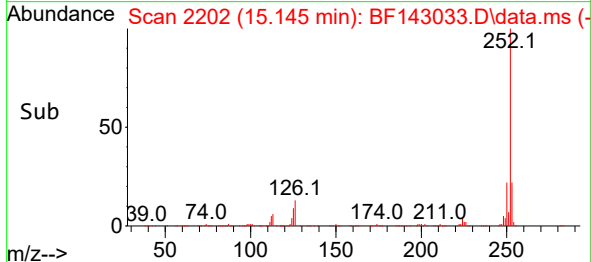
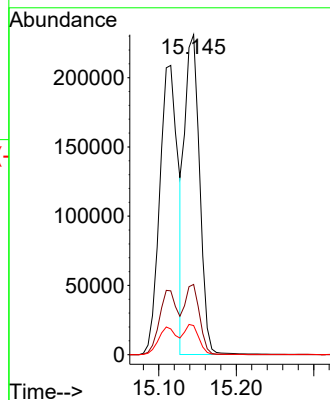
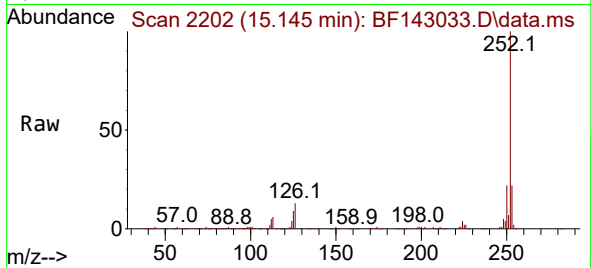
Tgt Ion:252 Resp: 308416

Ion Ratio Lower Upper

252 100

253 21.9 17.2 25.8

125 9.1 7.4 11.2



#90

Benzo(a)pyrene

Concen: 46.832 ng

RT: 15.492 min Scan# 2261

Delta R.T. 0.006 min

Lab File: BF143033.D

Acq: 08 Jul 2025 15:03

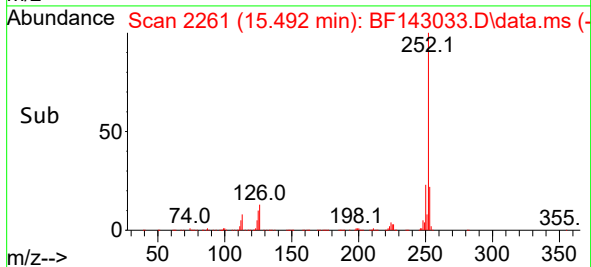
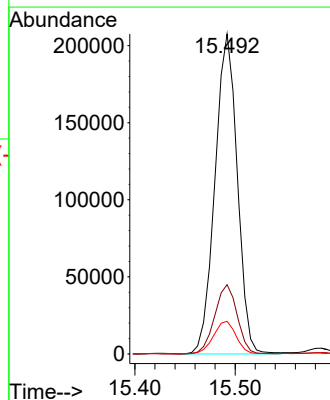
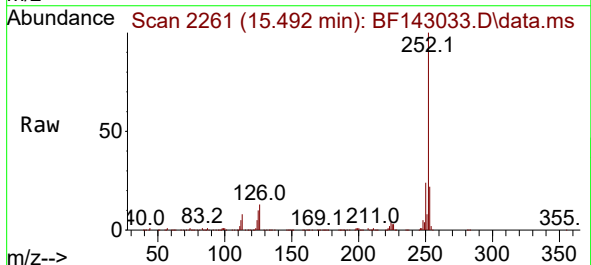
Tgt Ion:252 Resp: 320836

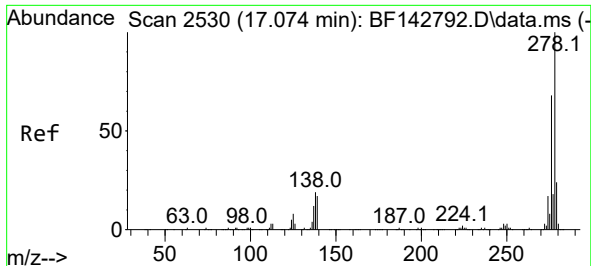
Ion Ratio Lower Upper

252 100

253 21.7 17.5 26.3

125 10.2 8.6 12.8

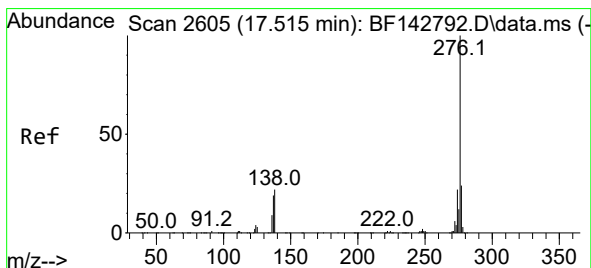
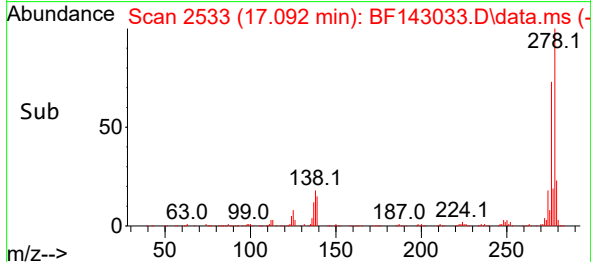
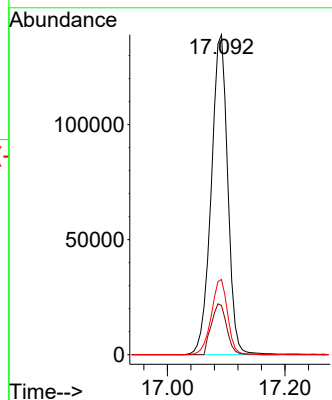
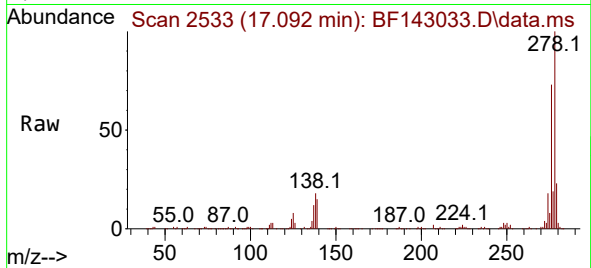




#91  
Dibenzo(a,h)anthracene  
Concen: 35.753 ng  
RT: 17.092 min Scan# 21  
Delta R.T. 0.018 min  
Lab File: BF143033.D  
Acq: 08 Jul 2025 15:03

Instrument :  
BNA\_F  
ClientSampleId :  
TP-78MSD

Tgt Ion:278 Resp: 271177  
Ion Ratio Lower Upper  
278 100  
139 15.4 13.5 20.3  
279 23.5 18.8 28.2



#92  
Benzo(g,h,i)perylene  
Concen: 33.469 ng  
RT: 17.533 min Scan# 2608  
Delta R.T. 0.018 min  
Lab File: BF143033.D  
Acq: 08 Jul 2025 15:03

Tgt Ion:276 Resp: 253133  
Ion Ratio Lower Upper  
276 100  
277 22.6 18.8 28.2  
138 20.8 17.6 26.4

