

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF072525\  
 Data File : BF143248.D  
 Acq On : 25 Jul 2025 13:41  
 Operator : RC/JU  
 Sample : PB169004BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB169004BS

Quant Time: Jul 25 14:02:05 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF071725.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 17 15:14:05 2025  
 Response via : Initial Calibration

| Compound                  | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|---------------------------|--------|------|----------|--------|-------|----------|
| -----                     |        |      |          |        |       |          |
| Internal Standards        |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4 | 6.963  | 152  | 111797   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.245  | 136  | 432303   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 10.004 | 164  | 228591   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.492 | 188  | 387322   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12          | 14.133 | 240  | 224147   | 20.000 | ng    | 0.01     |
| 86) Perylene-d12          | 15.633 | 264  | 220726   | 20.000 | ng    | 0.01     |

|                             |        |     |         |         |    |      |
|-----------------------------|--------|-----|---------|---------|----|------|
| System Monitoring Compounds |        |     |         |         |    |      |
| 5) 2-Fluorophenol           | 5.604  | 112 | 771672  | 109.229 | ng | 0.02 |
| 7) Phenol-d6                | 6.592  | 99  | 982876  | 110.531 | ng | 0.00 |
| 23) Nitrobenzene-d5         | 7.522  | 82  | 703753  | 81.147  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol    | 10.792 | 330 | 303786  | 128.643 | ng | 0.00 |
| 45) 2-Fluorobiphenyl        | 9.322  | 172 | 1271514 | 76.073  | ng | 0.00 |
| 79) Terphenyl-d14           | 13.074 | 244 | 1223131 | 81.203  | ng | 0.00 |

|                               |       |     |        |        |        |      |
|-------------------------------|-------|-----|--------|--------|--------|------|
| Target Compounds              |       |     |        |        | Qvalue |      |
| 2) 1,4-Dioxane                | 2.910 | 88  | 115275 | 34.484 | ng     | 99   |
| 3) Pyridine                   | 3.657 | 79  | 319635 | 36.839 | ng     | 98   |
| 4) n-Nitrosodimethylamine     | 3.604 | 42  | 187553 | 41.867 | ng     | 97   |
| 6) Aniline                    | 6.622 | 93  | 363057 | 29.295 | ng     | # 86 |
| 8) 2-Chlorophenol             | 6.751 | 128 | 326337 | 44.068 | ng     | 97   |
| 9) Benzaldehyde               | 6.510 | 77  | 209334 | 31.394 | ng     | 96   |
| 10) Phenol                    | 6.610 | 94  | 412018 | 42.532 | ng     | 87   |
| 11) bis(2-Chloroethyl)ether   | 6.692 | 93  | 314903 | 42.456 | ng     | 99   |
| 12) 1,3-Dichlorobenzene       | 6.904 | 146 | 341336 | 42.431 | ng     | 100  |
| 13) 1,4-Dichlorobenzene       | 6.981 | 146 | 348341 | 42.998 | ng     | 99   |
| 14) 1,2-Dichlorobenzene       | 7.134 | 146 | 335255 | 43.510 | ng     | 100  |
| 15) Benzyl Alcohol            | 7.098 | 79  | 305193 | 44.949 | ng     | 98   |
| 16) 2,2'-oxybis(1-Chloropr... | 7.234 | 45  | 580046 | 42.157 | ng     | 98   |
| 17) 2-Methylphenol            | 7.210 | 107 | 275297 | 44.214 | ng     | 98   |
| 18) Hexachloroethane          | 7.481 | 117 | 124784 | 44.493 | ng     | 98   |
| 19) n-Nitroso-di-n-propyla... | 7.375 | 70  | 241266 | 42.290 | ng     | 99   |
| 20) 3+4-Methylphenols         | 7.363 | 107 | 327688 | 43.377 | ng     | # 80 |
| 22) Acetophenone              | 7.369 | 105 | 441280 | 43.115 | ng     | 96   |
| 24) Nitrobenzene              | 7.539 | 77  | 362076 | 44.781 | ng     | 98   |
| 25) Isophorone                | 7.781 | 82  | 675697 | 44.134 | ng     | 98   |
| 26) 2-Nitrophenol             | 7.857 | 139 | 174916 | 49.846 | ng     | 98   |
| 27) 2,4-Dimethylphenol        | 7.892 | 122 | 307577 | 43.000 | ng     | 99   |
| 28) bis(2-Chloroethoxy)met... | 7.987 | 93  | 398396 | 43.401 | ng     | 100  |
| 29) 2,4-Dichlorophenol        | 8.098 | 162 | 273404 | 45.323 | ng     | 99   |
| 30) 1,2,4-Trichlorobenzene    | 8.187 | 180 | 289741 | 44.459 | ng     | 100  |
| 31) Naphthalene               | 8.269 | 128 | 932577 | 43.803 | ng     | 100  |
| 32) Benzoic acid              | 8.010 | 122 | 170904 | 43.018 | ng     | 99   |
| 33) 4-Chloroaniline           | 8.304 | 127 | 142652 | 16.409 | ng     | 99   |
| 34) Hexachlorobutadiene       | 8.386 | 225 | 181454 | 45.579 | ng     | 100  |
| 35) Caprolactam               | 8.681 | 113 | 91004m | 49.924 | ng     |      |
| 36) 4-Chloro-3-methylphenol   | 8.792 | 107 | 302421 | 46.125 | ng     | 98   |
| 37) 2-Methylnaphthalene       | 8.957 | 142 | 584229 | 45.095 | ng     | 100  |
| 38) 1-Methylnaphthalene       | 9.057 | 142 | 595793 | 44.659 | ng     | 99   |
| 40) 1,2,4,5-Tetrachloroben... | 9.128 | 216 | 289806 | 43.912 | ng     | 99   |
| 41) Hexachlorocyclopentadiene | 9.116 | 237 | 390867 | 91.022 | ng     | 99   |
| 43) 2,4,6-Trichlorophenol     | 9.233 | 196 | 205024 | 44.887 | ng     | 99   |

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 ALS Vial : 4 Sample Multiplier: 1

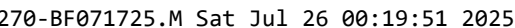
Instrument :  
 BNA\_F  
 ClientSampleId :  
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 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF071725.M  
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 QLast Update : Thu Jul 17 15:14:05 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.275  | 196  | 206299   | 45.153  | ng    | 98       |
| 46) 1,1'-Biphenyl             | 9.422  | 154  | 797069   | 44.692  | ng    | 100      |
| 47) 2-Chloronaphthalene       | 9.445  | 162  | 575700   | 43.626  | ng    | 99       |
| 48) 2-Nitroaniline            | 9.533  | 65   | 196377   | 47.453  | ng    | 98       |
| 49) Acenaphthylene            | 9.863  | 152  | 987120   | 44.636  | ng    | 100      |
| 50) Dimethylphthalate         | 9.722  | 163  | 692815   | 46.497  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.781  | 165  | 150622   | 49.692  | ng    | 96       |
| 52) Acenaphthene              | 10.039 | 154  | 641599   | 49.086  | ng    | 99       |
| 53) 3-Nitroaniline            | 9.945  | 138  | 92113    | 25.981  | ng    | 99       |
| 54) 2,4-Dinitrophenol         | 10.057 | 184  | 155854   | 110.663 | ng #  | 1        |
| 55) Dibenzofuran              | 10.210 | 168  | 852771   | 43.943  | ng    | 100      |
| 56) 4-Nitrophenol             | 10.110 | 139  | 238760   | 90.183  | ng    | 97       |
| 57) 2,4-Dinitrotoluene        | 10.186 | 165  | 201499   | 52.986  | ng    | 94       |
| 58) Fluorene                  | 10.551 | 166  | 658616   | 45.220  | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.328 | 232  | 174724   | 46.166  | ng    | 99       |
| 60) Diethylphthalate          | 10.422 | 149  | 696747   | 47.310  | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.539 | 204  | 331871   | 45.760  | ng    | 98       |
| 62) 4-Nitroaniline            | 10.563 | 138  | 150646   | 49.577  | ng    | 97       |
| 63) Azobenzene                | 10.698 | 77   | 681083   | 44.372  | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.592 | 198  | 105562   | 51.539  | ng    | 99       |
| 66) n-Nitrosodiphenylamine    | 10.657 | 169  | 586723   | 43.019  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 11.033 | 248  | 207418   | 44.936  | ng    | 99       |
| 68) Hexachlorobenzene         | 11.104 | 284  | 214218   | 44.402  | ng    | 100      |
| 69) Atrazine                  | 11.180 | 200  | 187877   | 49.966  | ng    | 99       |
| 70) Pentachlorophenol         | 11.298 | 266  | 243119   | 85.689  | ng    | 99       |
| 71) Phenanthrene              | 11.516 | 178  | 906241   | 44.066  | ng    | 100      |
| 72) Anthracene                | 11.569 | 178  | 927155   | 44.204  | ng    | 100      |
| 73) Carbazole                 | 11.716 | 167  | 832040   | 45.430  | ng    | 100      |
| 74) Di-n-butylphthalate       | 12.045 | 149  | 1032214  | 49.809  | ng    | 100      |
| 75) Fluoranthene              | 12.704 | 202  | 907955   | 48.100  | ng    | 99       |
| 77) Benzidine                 | 12.816 | 184  | 352363   | 40.803  | ng    | 99       |
| 78) Pyrene                    | 12.933 | 202  | 898645   | 46.976  | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.545 | 149  | 359293   | 61.336  | ng    | 96       |
| 81) Benzo(a)anthracene        | 14.121 | 228  | 687297   | 45.799  | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 14.074 | 252  | 79367    | 15.868  | ng    | 100      |
| 83) Chrysene                  | 14.157 | 228  | 607969   | 45.060  | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 14.104 | 149  | 467541   | 52.732  | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.721 | 149  | 726075   | 45.178  | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.186 | 276  | 731319   | 46.987  | ng    | 97       |
| 88) Benzo(b)fluoranthene      | 15.192 | 252  | 591097   | 43.836  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.221 | 252  | 596130   | 49.542  | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.574 | 252  | 583600   | 46.975  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.204 | 278  | 598885   | 47.275  | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.656 | 276  | 587344   | 47.929  | ng    | 98       |

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

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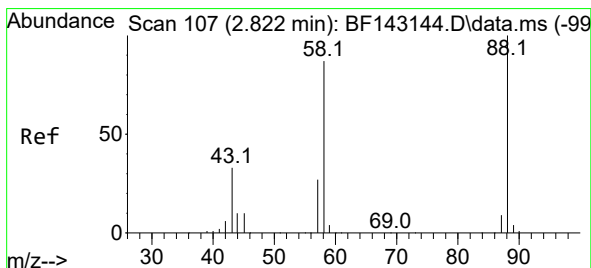
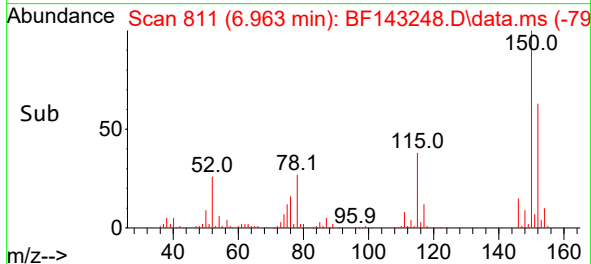
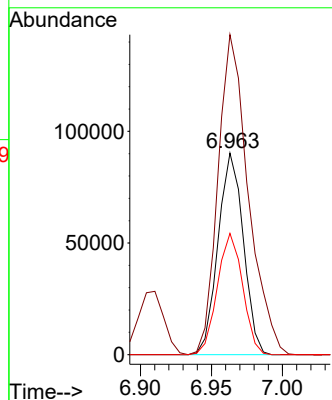
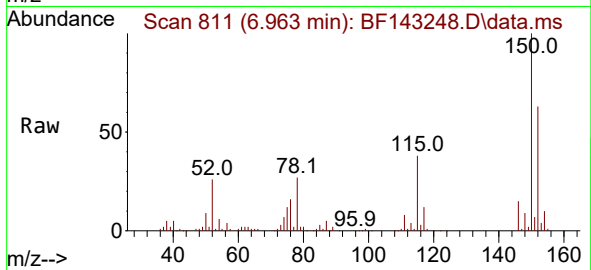




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.963 min Scan# 81  
 Delta R.T. 0.000 min  
 Lab File: BF143248.D  
 Acq: 25 Jul 2025 13:41

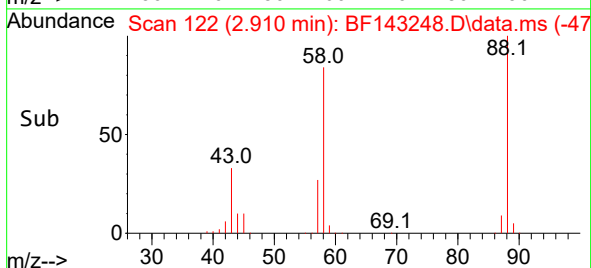
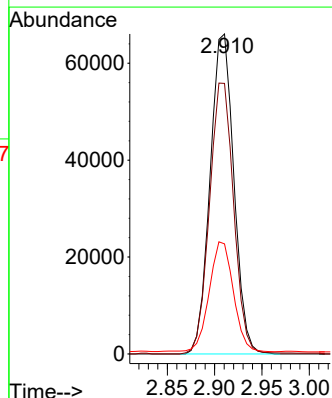
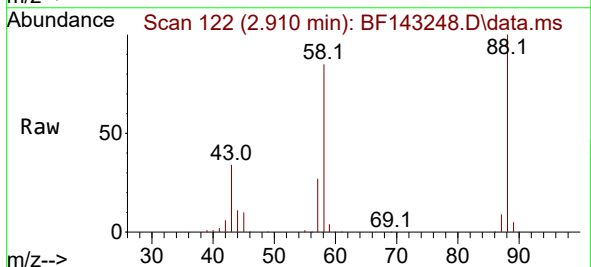
Instrument :  
 BNA\_F  
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 PB169004BS

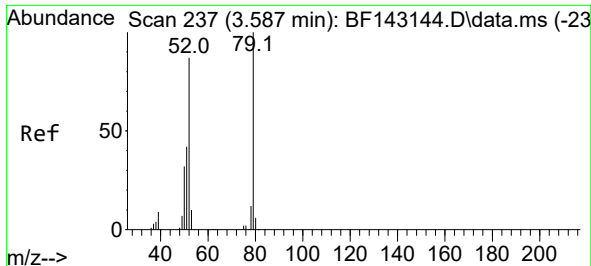
Tgt Ion:152 Resp: 111797  
 Ion Ratio Lower Upper  
 152 100  
 150 158.8 128.2 192.4  
 115 60.2 47.9 71.9



#2  
 1,4-Dioxane  
 Concen: 34.484 ng  
 RT: 2.910 min Scan# 122  
 Delta R.T. 0.088 min  
 Lab File: BF143248.D  
 Acq: 25 Jul 2025 13:41

Tgt Ion: 88 Resp: 115275  
 Ion Ratio Lower Upper  
 88 100  
 58 86.6 70.2 105.2  
 43 34.9 27.1 40.7

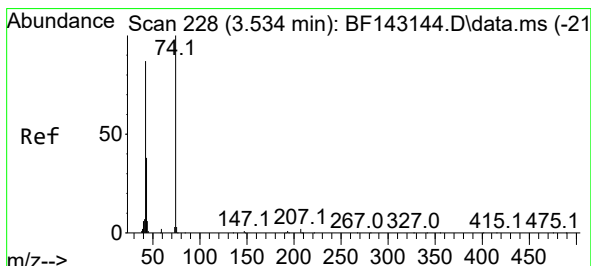
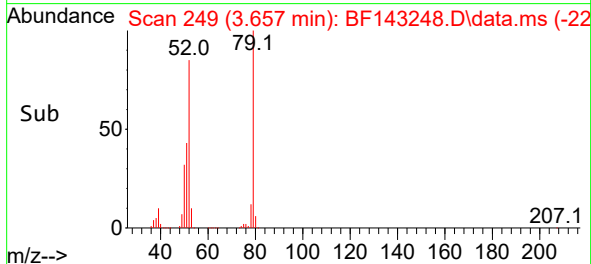
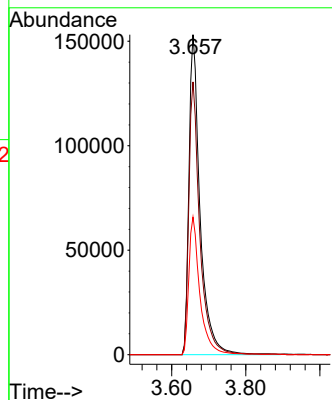
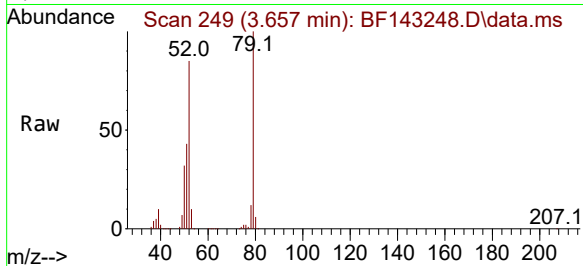




#3  
 Pyridine  
 Concen: 36.839 ng  
 RT: 3.657 min Scan# 24  
 Delta R.T. 0.071 min  
 Lab File: BF143248.D  
 Acq: 25 Jul 2025 13:41

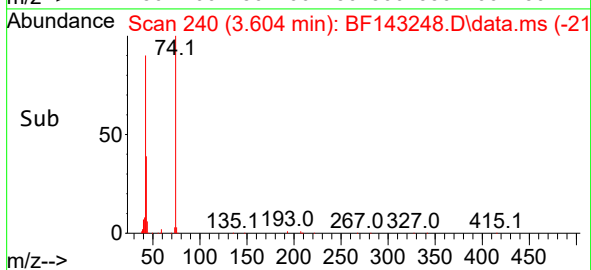
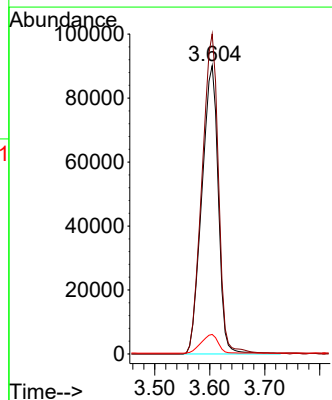
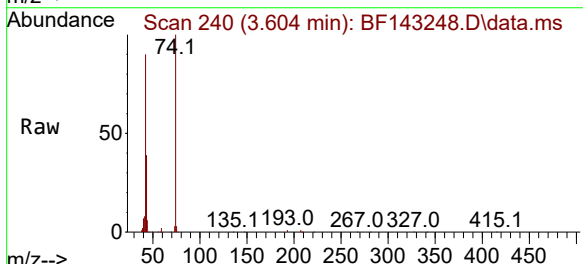
Instrument :  
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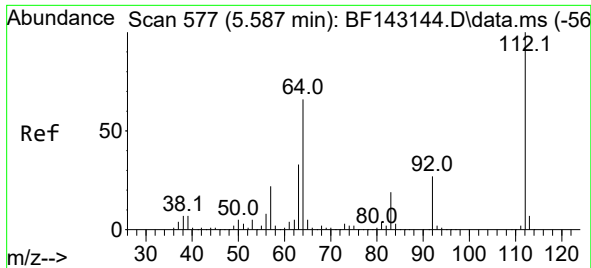
Tgt Ion: 79 Resp: 319635  
 Ion Ratio Lower Upper  
 79 100  
 52 85.2 69.4 104.2  
 51 43.0 33.5 50.3



#4  
 n-Nitrosodimethylamine  
 Concen: 41.867 ng  
 RT: 3.604 min Scan# 240  
 Delta R.T. 0.071 min  
 Lab File: BF143248.D  
 Acq: 25 Jul 2025 13:41

Tgt Ion: 42 Resp: 187553  
 Ion Ratio Lower Upper  
 42 100  
 74 111.0 91.7 137.5  
 44 6.8 5.6 8.4

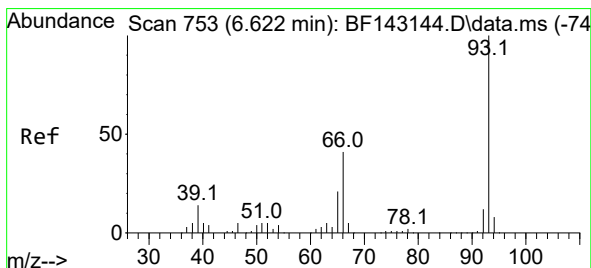
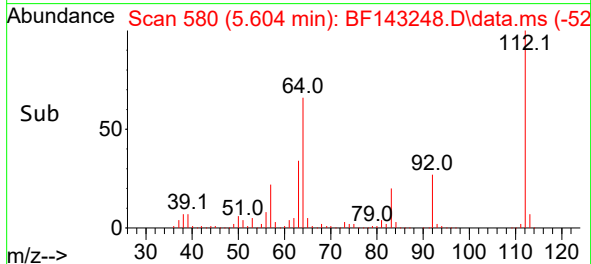
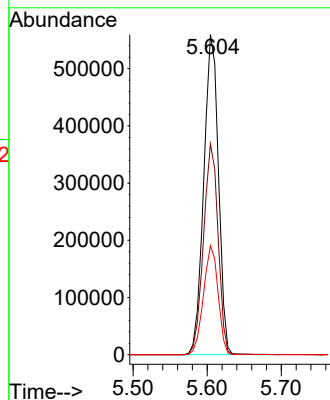
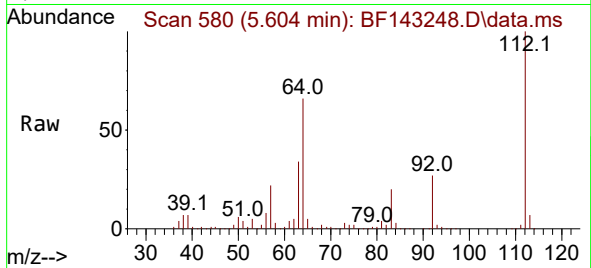




#5  
2-Fluorophenol  
Concen: 109.229 ng  
RT: 5.604 min Scan# 51  
Delta R.T. 0.018 min  
Lab File: BF143248.D  
Acq: 25 Jul 2025 13:41

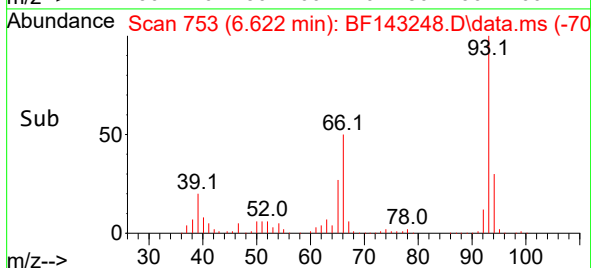
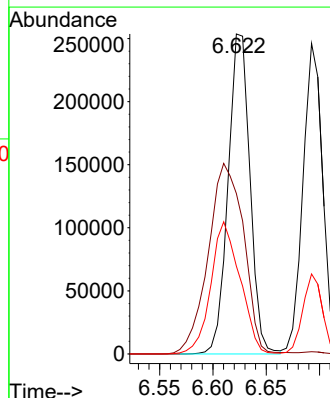
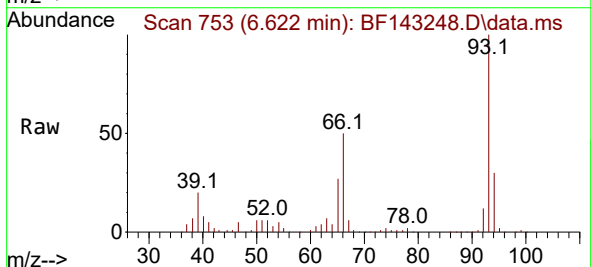
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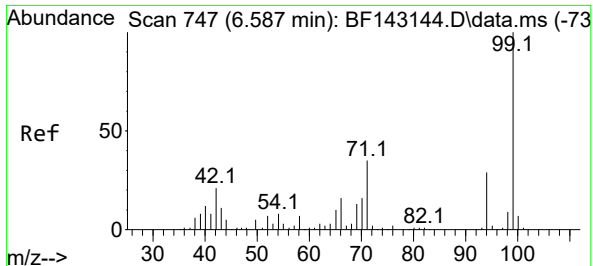
Tgt Ion:112 Resp: 771672  
Ion Ratio Lower Upper  
112 100  
64 65.9 53.1 79.7  
63 34.1 26.6 40.0



#6  
Aniline  
Concen: 29.295 ng  
RT: 6.622 min Scan# 753  
Delta R.T. 0.000 min  
Lab File: BF143248.D  
Acq: 25 Jul 2025 13:41

Tgt Ion: 93 Resp: 363057  
Ion Ratio Lower Upper  
93 100  
66 50.2 33.2 49.8#  
65 27.5 16.9 25.3#

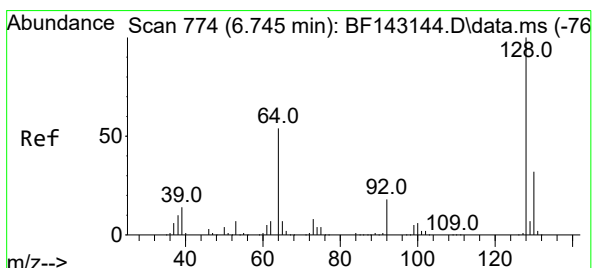
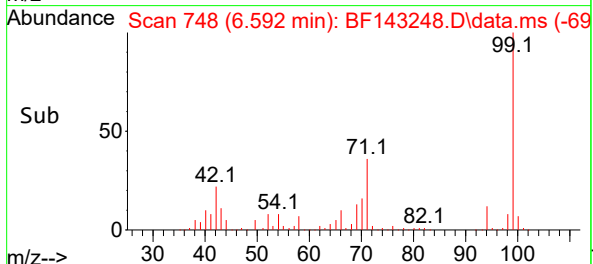
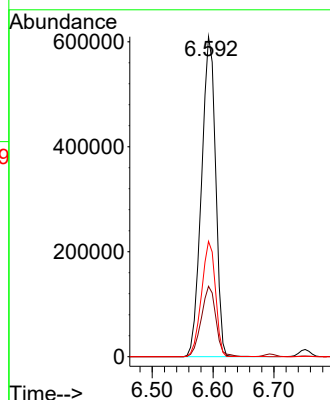
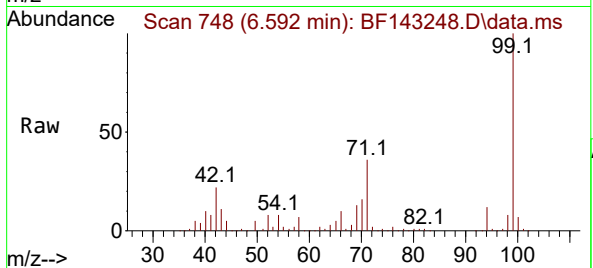




#7  
Phenol-d6  
Concen: 110.531 ng  
RT: 6.592 min Scan# 74  
Delta R.T. 0.006 min  
Lab File: BF143248.D  
Acq: 25 Jul 2025 13:41

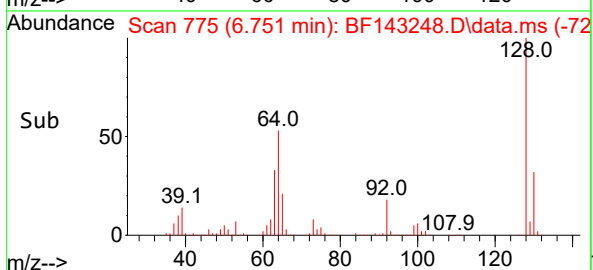
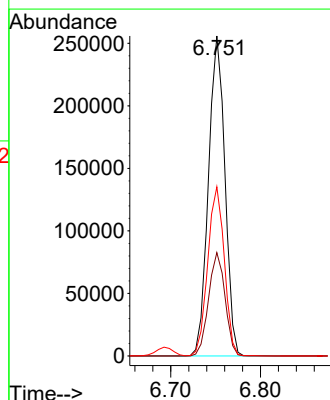
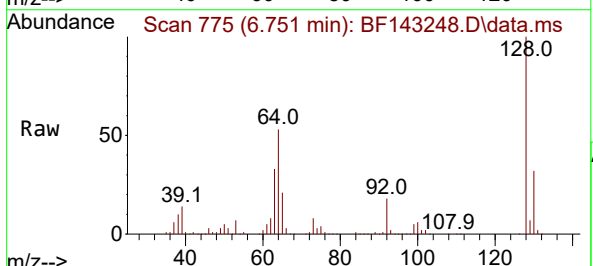
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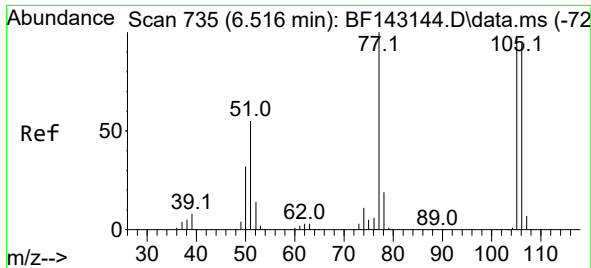
Tgt Ion: 99 Resp: 982876  
Ion Ratio Lower Upper  
99 100  
42 22.0 17.0 25.6  
71 36.0 27.7 41.5



#8  
2-Chlorophenol  
Concen: 44.068 ng  
RT: 6.751 min Scan# 775  
Delta R.T. 0.006 min  
Lab File: BF143248.D  
Acq: 25 Jul 2025 13:41

Tgt Ion:128 Resp: 326337  
Ion Ratio Lower Upper  
128 100  
130 32.3 12.3 52.3  
64 52.9 35.9 75.9

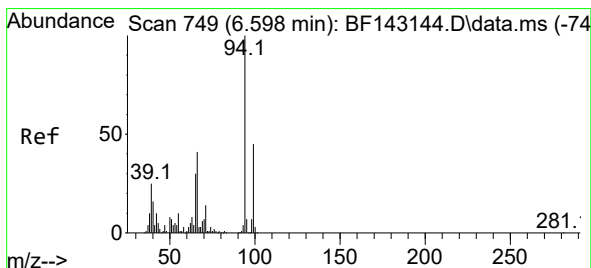
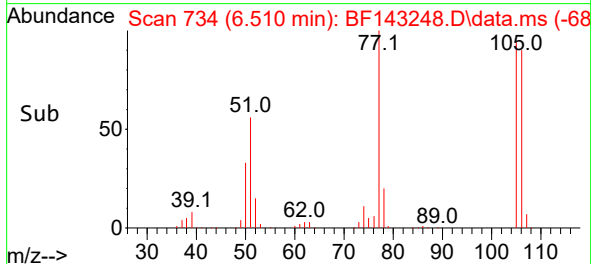
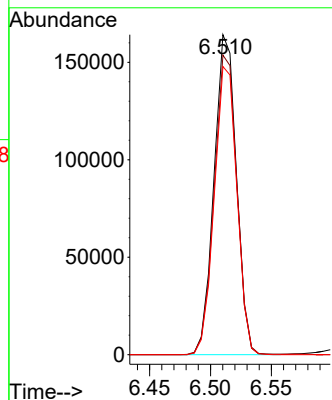
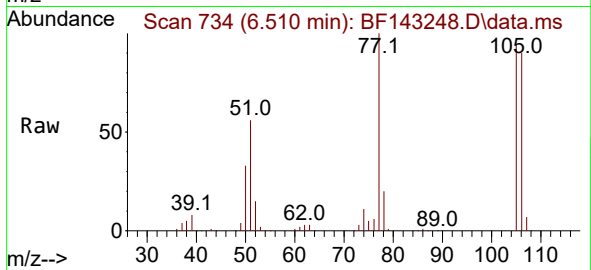




#9  
Benzaldehyde  
Concen: 31.394 ng  
RT: 6.510 min Scan# 710  
Delta R.T. -0.006 min  
Lab File: BF143248.D  
Acq: 25 Jul 2025 13:41

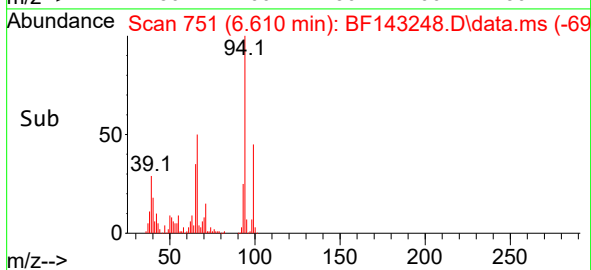
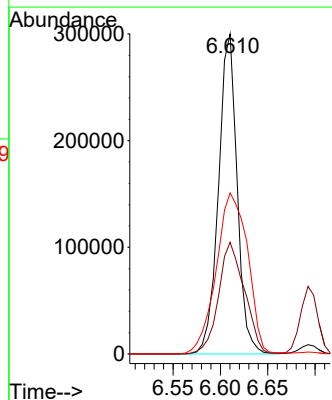
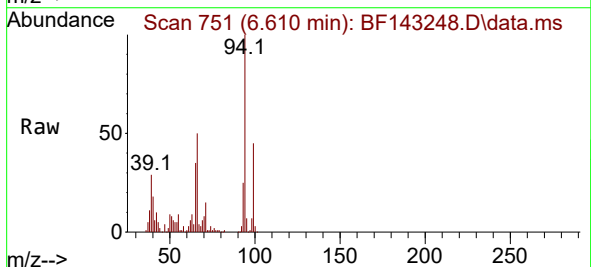
Instrument :  
BNA\_F  
ClientSampleId :  
PB169004BS

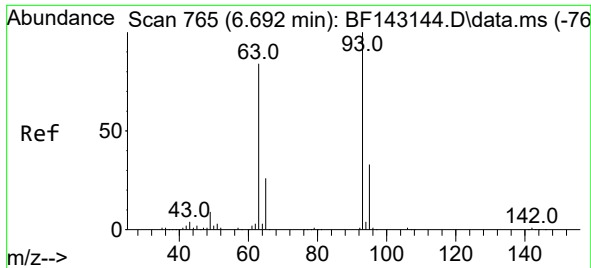
Tgt Ion: 77 Resp: 209334  
Ion Ratio Lower Upper  
77 100  
105 93.6 76.8 116.8  
106 90.1 74.4 114.4



#10  
Phenol  
Concen: 42.532 ng  
RT: 6.610 min Scan# 751  
Delta R.T. 0.012 min  
Lab File: BF143248.D  
Acq: 25 Jul 2025 13:41

Tgt Ion: 94 Resp: 412018  
Ion Ratio Lower Upper  
94 100  
65 34.9 10.0 50.0  
66 50.4 20.8 60.8

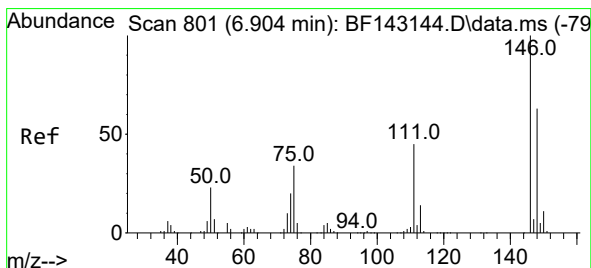
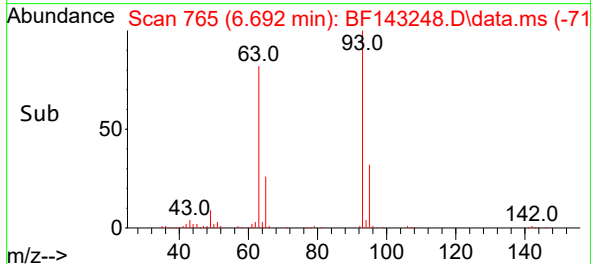
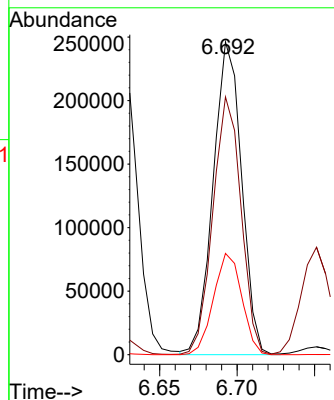
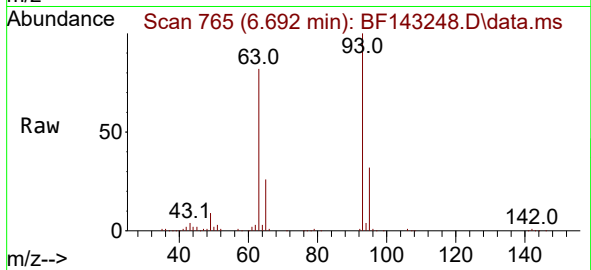




#11  
bis(2-Chloroethyl)ether  
Concen: 42.456 ng  
RT: 6.692 min Scan# 765  
Delta R.T. 0.000 min  
Lab File: BF143248.D  
Acq: 25 Jul 2025 13:41

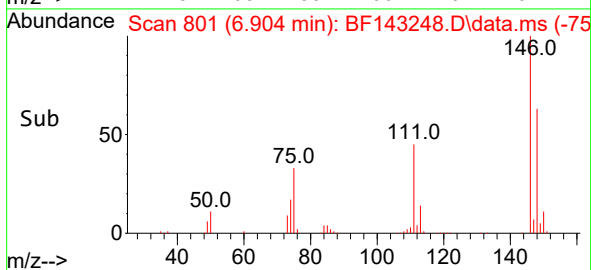
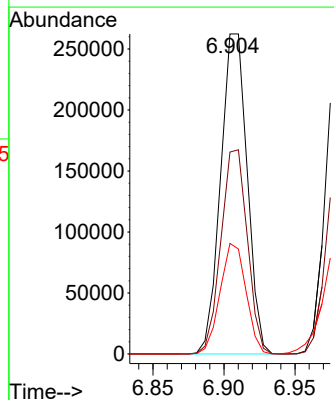
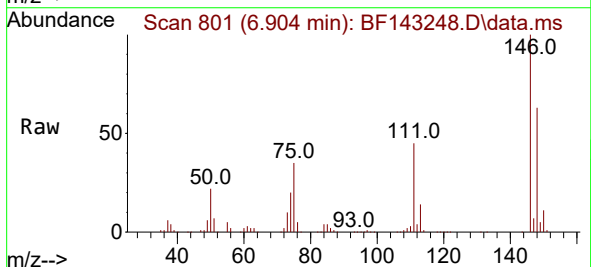
Instrument :  
BNA\_F  
ClientSampleId :  
PB169004BS

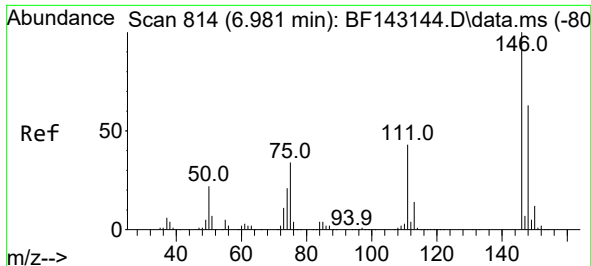
Tgt Ion: 93 Resp: 314903  
Ion Ratio Lower Upper  
93 100  
63 82.4 63.4 103.4  
95 32.4 12.4 52.4



#12  
1,3-Dichlorobenzene  
Concen: 42.431 ng  
RT: 6.904 min Scan# 801  
Delta R.T. 0.000 min  
Lab File: BF143248.D  
Acq: 25 Jul 2025 13:41

Tgt Ion:146 Resp: 341336  
Ion Ratio Lower Upper  
146 100  
148 63.1 50.6 76.0  
75 34.6 27.4 41.2

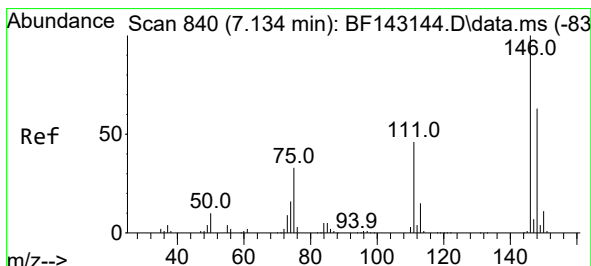
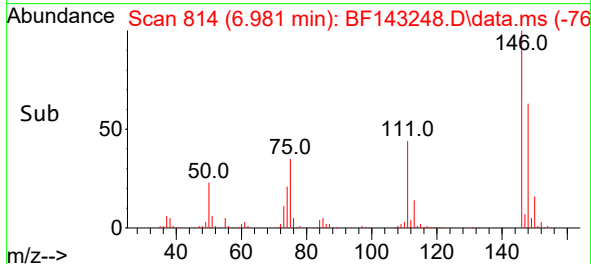
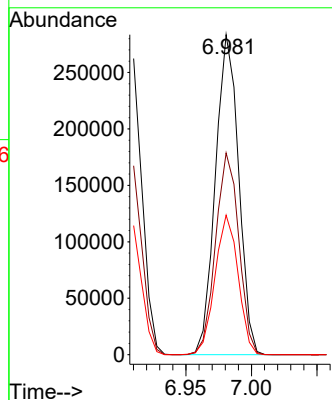
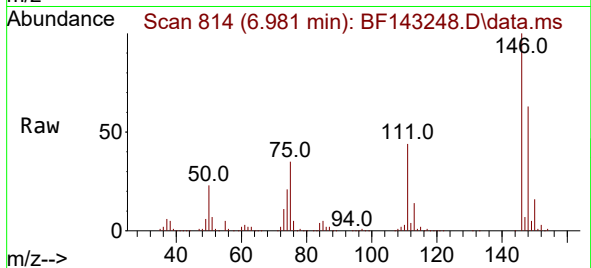




#13  
1,4-Dichlorobenzene  
Concen: 42.998 ng  
RT: 6.981 min Scan# 814  
Delta R.T. 0.000 min  
Lab File: BF143248.D  
Acq: 25 Jul 2025 13:41

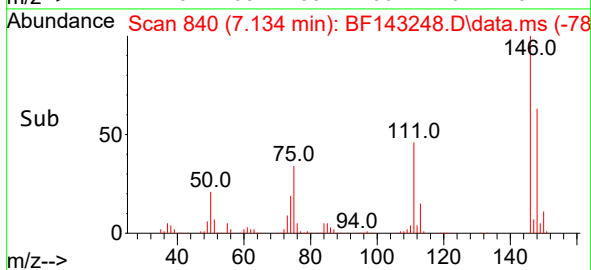
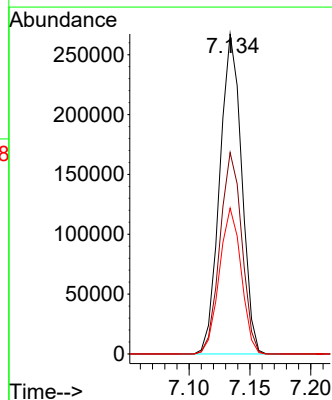
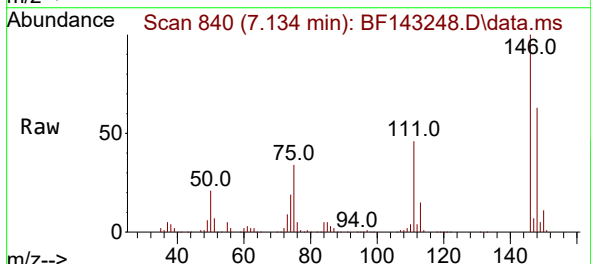
Instrument :  
BNA\_F  
ClientSampleId :  
PB169004BS

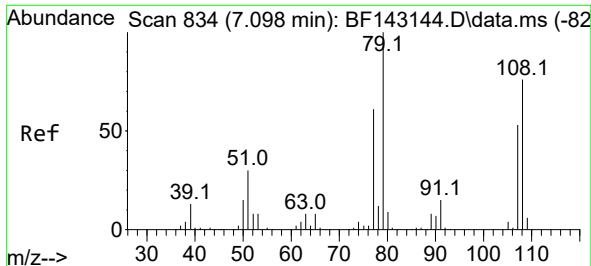
Tgt Ion:146 Resp: 348341  
Ion Ratio Lower Upper  
146 100  
148 63.1 50.3 75.5  
111 43.6 34.4 51.6



#14  
1,2-Dichlorobenzene  
Concen: 43.510 ng  
RT: 7.134 min Scan# 840  
Delta R.T. 0.000 min  
Lab File: BF143248.D  
Acq: 25 Jul 2025 13:41

Tgt Ion:146 Resp: 335255  
Ion Ratio Lower Upper  
146 100  
148 63.0 50.7 76.1  
111 45.6 36.6 54.8

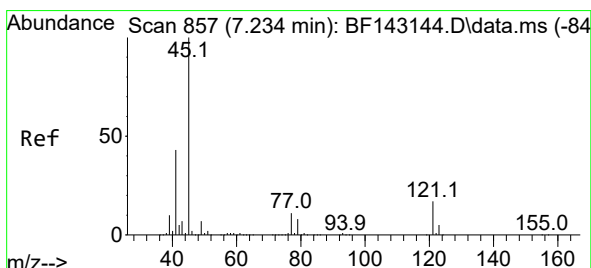
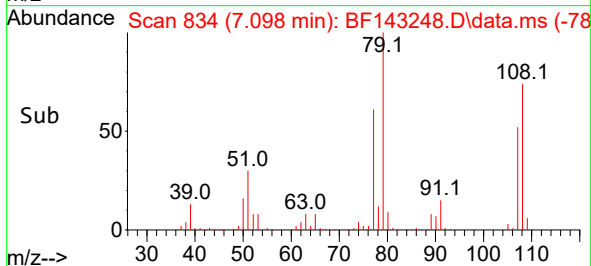
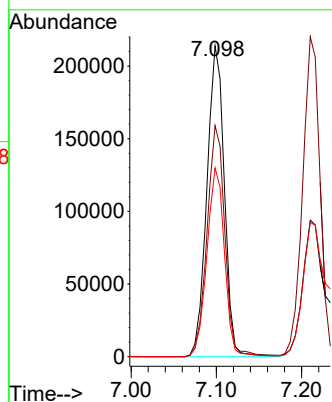
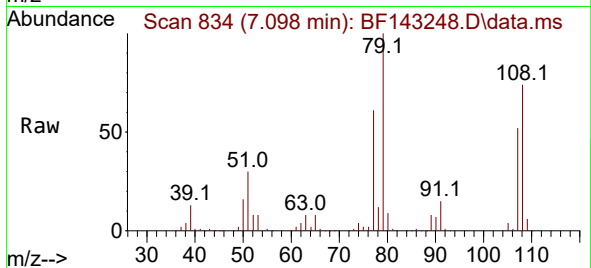




#15  
Benzyl Alcohol  
Concen: 44.949 ng  
RT: 7.098 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BF143248.D  
Acq: 25 Jul 2025 13:41

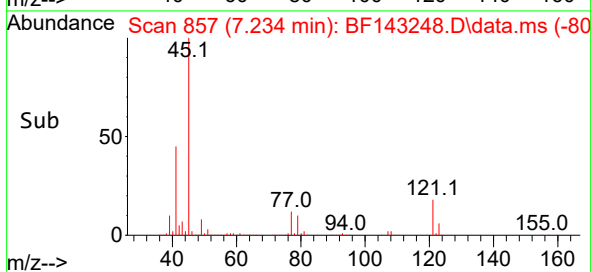
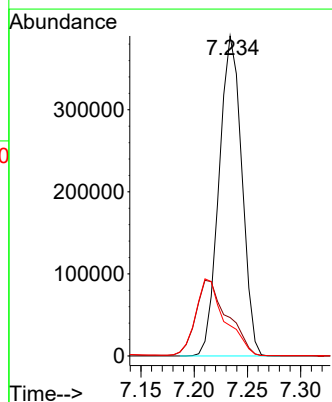
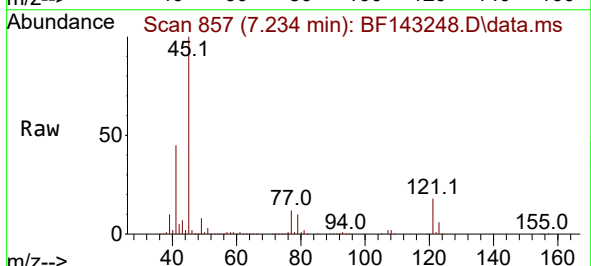
Instrument :  
BNA\_F  
ClientSampleId :  
PB169004BS

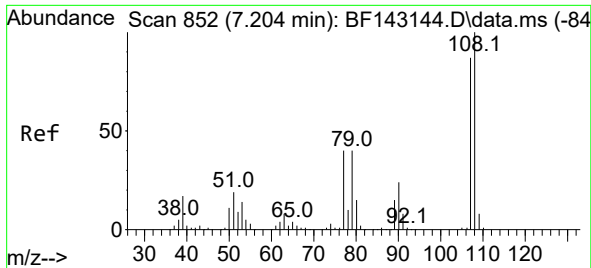
Tgt Ion: 79 Resp: 305193  
Ion Ratio Lower Upper  
79 100  
108 74.3 61.1 91.7  
77 60.7 48.9 73.3



#16  
2,2'-oxybis(1-chloropropane)  
Concen: 42.157 ng  
RT: 7.234 min Scan# 857  
Delta R.T. 0.000 min  
Lab File: BF143248.D  
Acq: 25 Jul 2025 13:41

Tgt Ion: 45 Resp: 580046  
Ion Ratio Lower Upper  
45 100  
77 12.0 0.0 31.2  
79 9.5 0.0 28.5

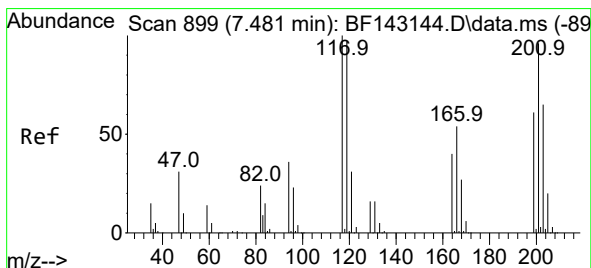
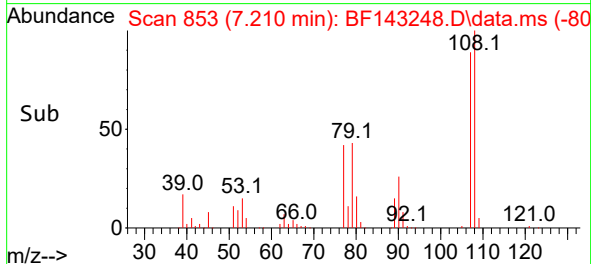
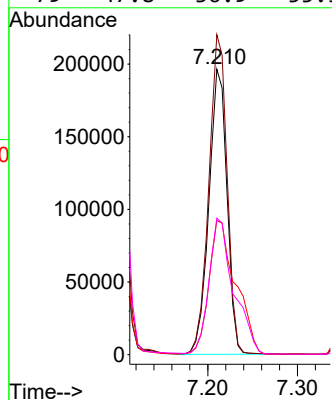
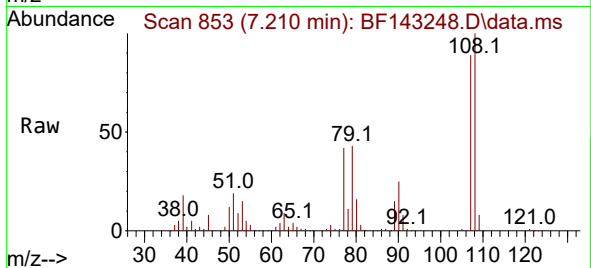




#17  
2-Methylphenol  
Concen: 44.214 ng  
RT: 7.210 min Scan# 853  
Delta R.T. 0.006 min  
Lab File: BF143248.D  
Acq: 25 Jul 2025 13:41

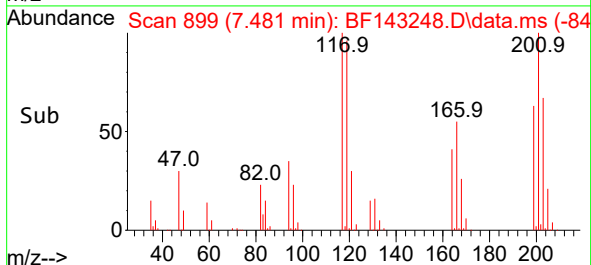
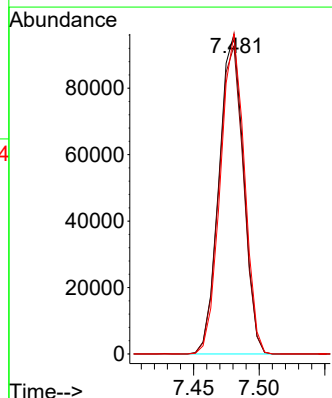
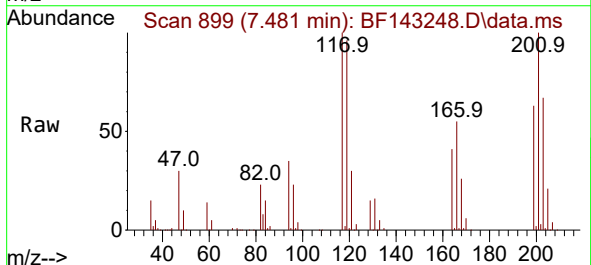
Instrument :  
BNA\_F  
ClientSampleId :  
PB169004BS

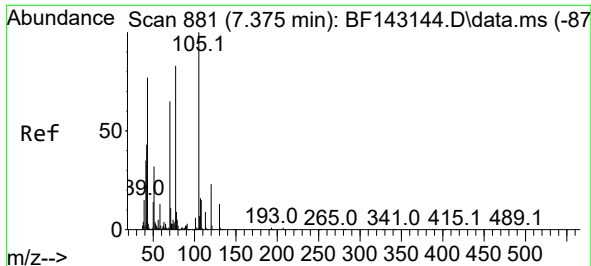
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 275297 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 112.1 | 91.8  | 137.6  |
| 77       | 47.0  | 37.0  | 55.6   |
| 79       | 47.8  | 36.9  | 55.3   |



#18  
Hexachloroethane  
Concen: 44.493 ng  
RT: 7.481 min Scan# 899  
Delta R.T. 0.000 min  
Lab File: BF143248.D  
Acq: 25 Jul 2025 13:41

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 124784 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 96.3  | 77.8  | 116.8  |
| 201      | 100.1 | 77.0  | 115.4  |

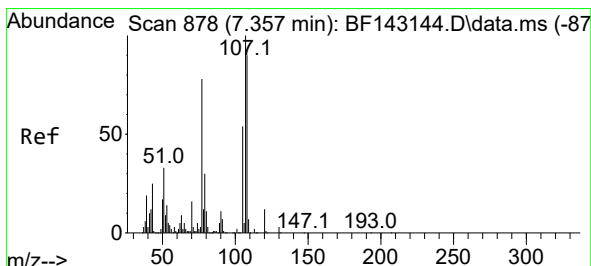
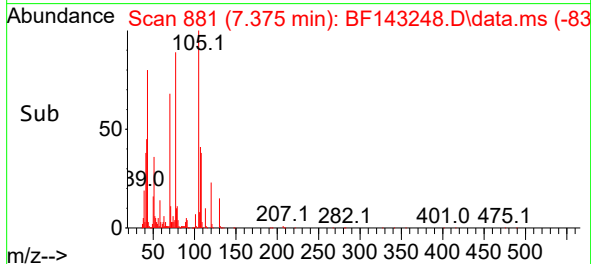
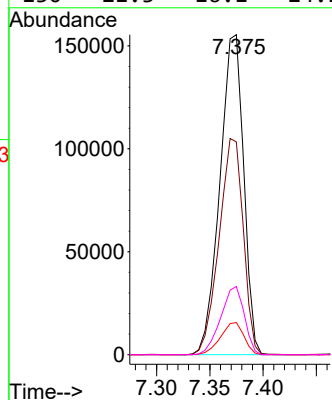
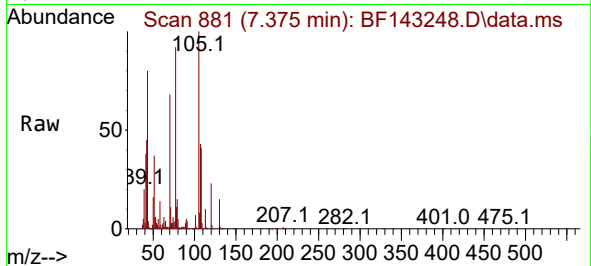




#19  
n-Nitroso-di-n-propylamine  
Concen: 42.290 ng  
RT: 7.375 min Scan# 881  
Delta R.T. 0.000 min  
Lab File: BF143248.D  
Acq: 25 Jul 2025 13:41

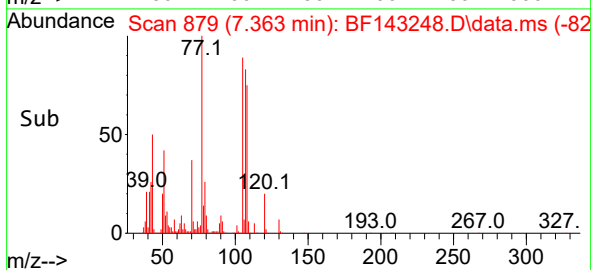
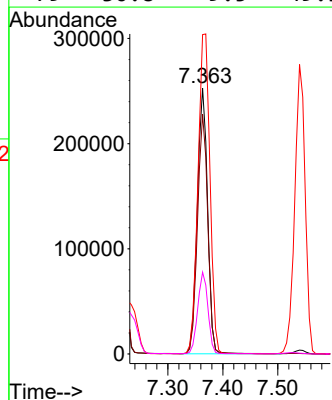
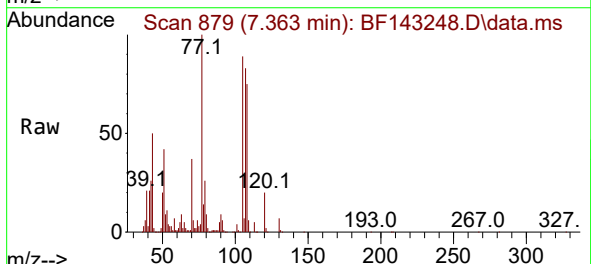
Instrument :  
BNA\_F  
ClientSampleId :  
PB169004BS

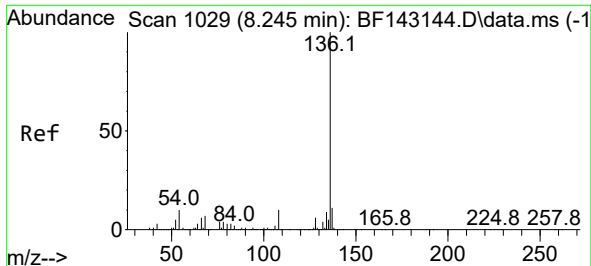
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 70    | Resp: | 241266 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 66.5  | 52.5  | 78.7   |
| 101      | 10.0  | 7.6   | 11.4   |
| 130      | 21.3  | 16.1  | 24.1   |



#20  
3+4-Methylphenols  
Concen: 43.377 ng  
RT: 7.363 min Scan# 879  
Delta R.T. 0.006 min  
Lab File: BF143248.D  
Acq: 25 Jul 2025 13:41

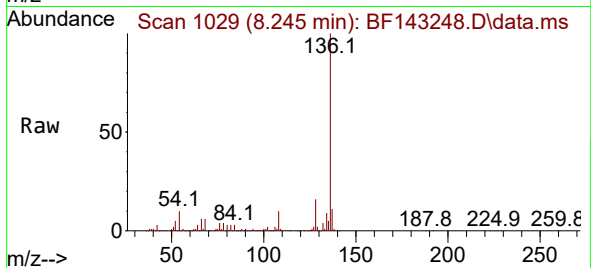
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 327688 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 90.2  | 70.0  | 110.0  |
| 77       | 120.2 | 57.8  | 97.8#  |
| 79       | 30.8  | 9.5   | 49.5   |





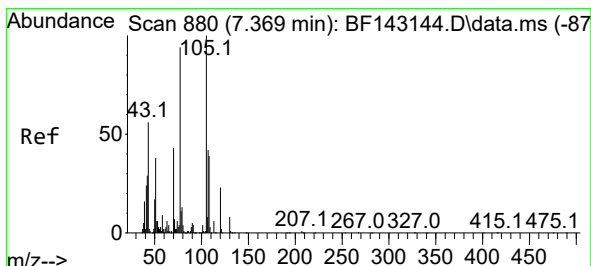
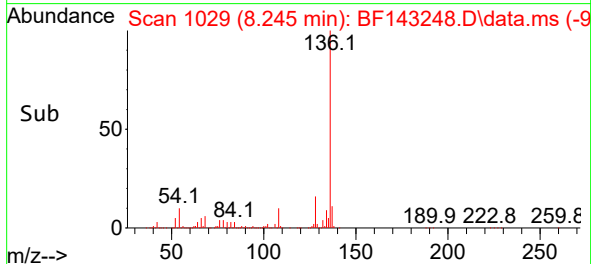
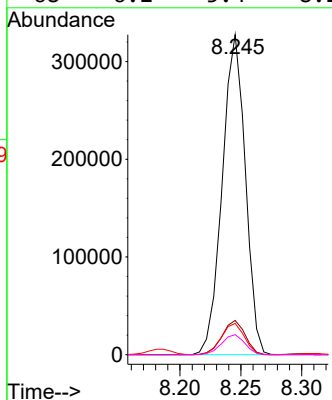
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.245 min Scan# 1029  
Delta R.T. 0.000 min  
Lab File: BF143248.D  
Acq: 25 Jul 2025 13:41

Instrument :  
BNA\_F  
ClientSampleId :  
PB169004BS



Tgt Ion:136 Resp: 432303

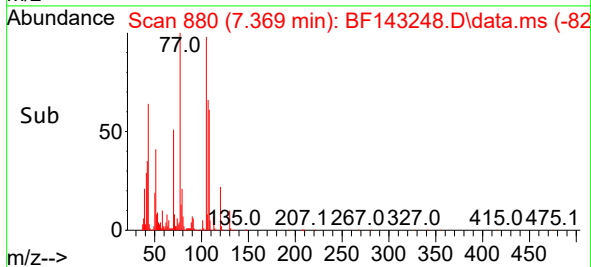
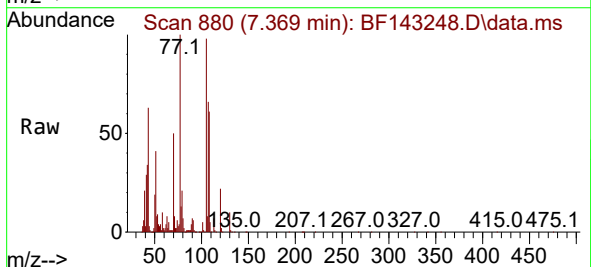
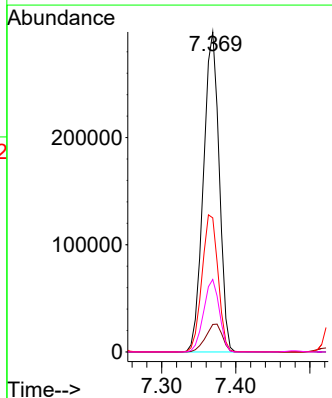
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.7  | 8.6   | 13.0  |
| 54  | 9.8   | 8.2   | 12.2  |
| 68  | 6.2   | 5.4   | 8.2   |

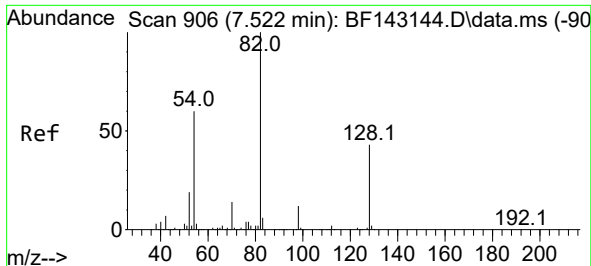


#22  
Acetophenone  
Concen: 43.115 ng  
RT: 7.369 min Scan# 880  
Delta R.T. 0.000 min  
Lab File: BF143248.D  
Acq: 25 Jul 2025 13:41

Tgt Ion:105 Resp: 441280

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 105 | 100   |       |       |
| 71  | 8.6   | 5.8   | 8.6   |
| 51  | 41.9  | 30.2  | 45.2  |
| 120 | 22.7  | 18.2  | 27.4  |





#23

Nitrobenzene-d5

Concen: 81.147 ng

RT: 7.522 min Scan# 906

Delta R.T. 0.000 min

Lab File: BF143248.D

Acq: 25 Jul 2025 13:41

Instrument :

BNA\_F

ClientSampleId :

PB169004BS

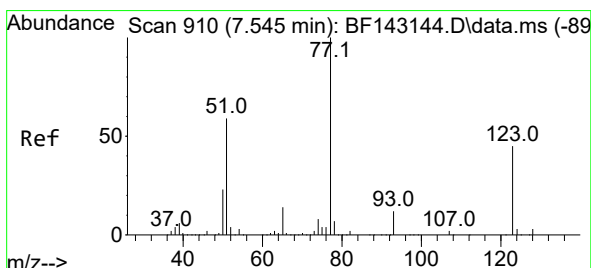
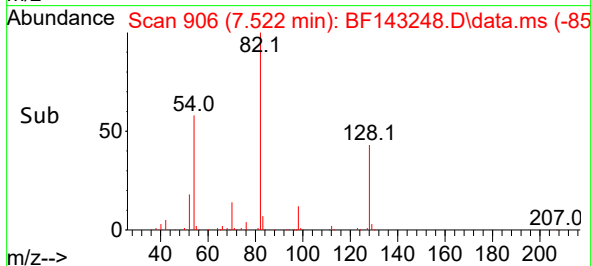
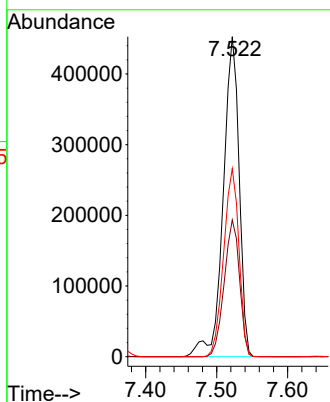
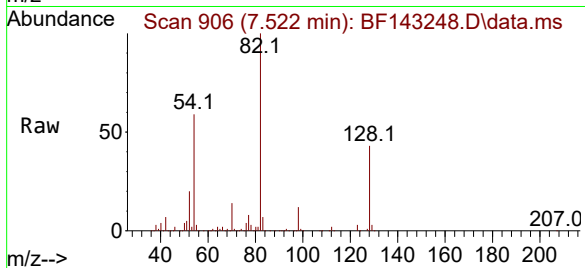
Tgt Ion: 82 Resp: 703753

Ion Ratio Lower Upper

82 100

128 42.7 33.6 50.4

54 58.7 47.1 70.7



#24

Nitrobenzene

Concen: 44.781 ng

RT: 7.539 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF143248.D

Acq: 25 Jul 2025 13:41

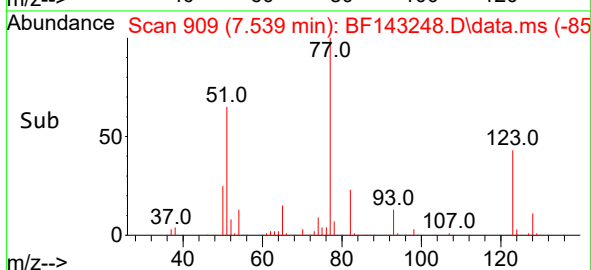
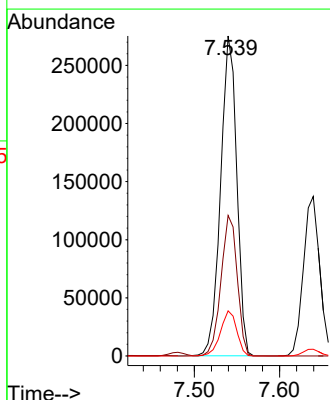
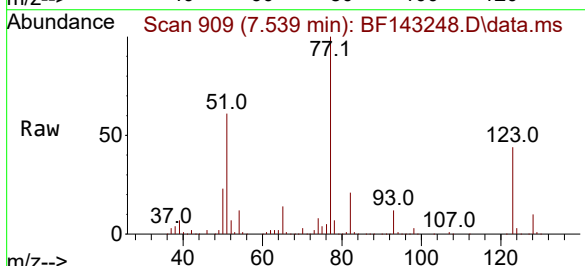
Tgt Ion: 77 Resp: 362076

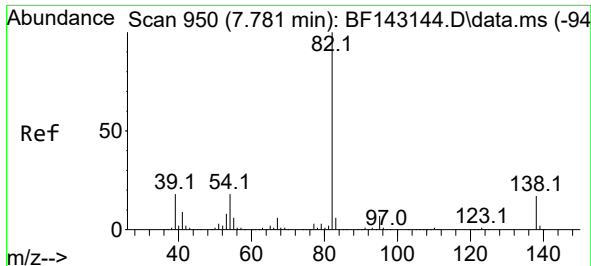
Ion Ratio Lower Upper

77 100

123 43.9 36.1 54.1

65 14.1 11.4 17.2

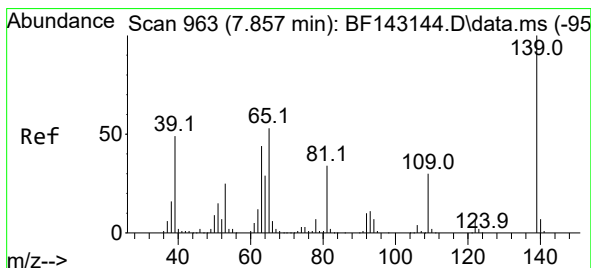
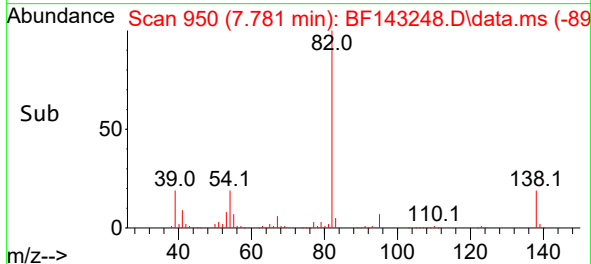
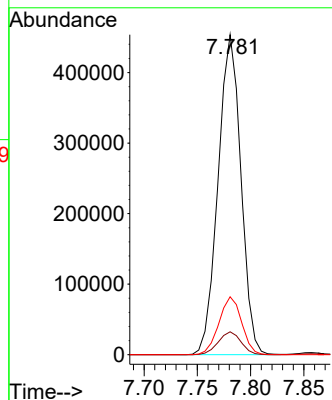
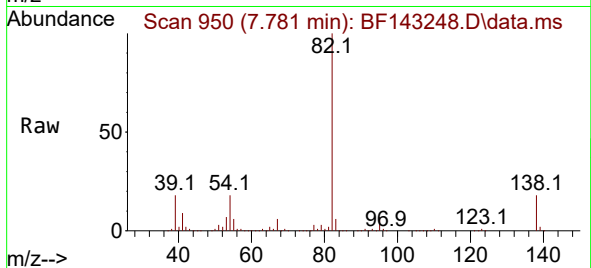




#25  
Isophorone  
Concen: 44.134 ng  
RT: 7.781 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BF143248.D  
Acq: 25 Jul 2025 13:41

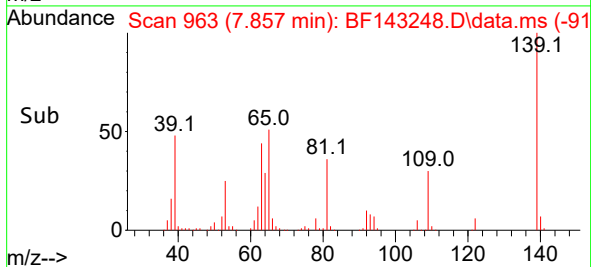
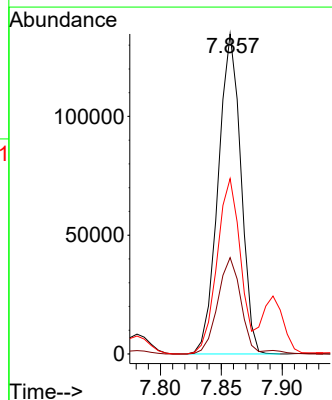
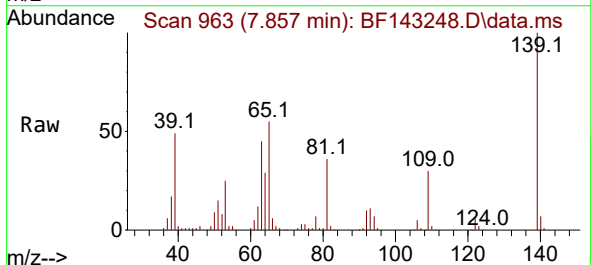
Instrument :  
BNA\_F  
ClientSampleId :  
PB169004BS

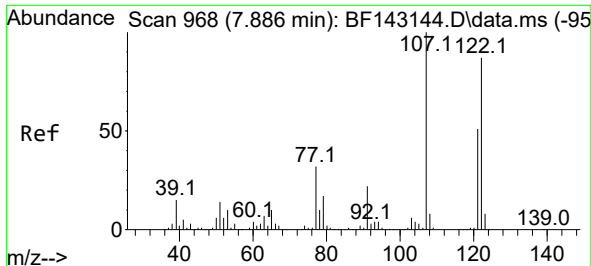
Tgt Ion: 82 Resp: 675697  
Ion Ratio Lower Upper  
82 100  
95 7.2 5.5 8.3  
138 18.1 13.8 20.8



#26  
2-Nitrophenol  
Concen: 49.846 ng  
RT: 7.857 min Scan# 963  
Delta R.T. 0.000 min  
Lab File: BF143248.D  
Acq: 25 Jul 2025 13:41

Tgt Ion:139 Resp: 174916  
Ion Ratio Lower Upper  
139 100  
109 30.1 23.6 35.4  
65 54.8 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 43.000 ng

RT: 7.892 min Scan# 90

Delta R.T. 0.006 min

Lab File: BF143248.D

Acq: 25 Jul 2025 13:41

Instrument :

BNA\_F

ClientSampleId :

PB169004BS

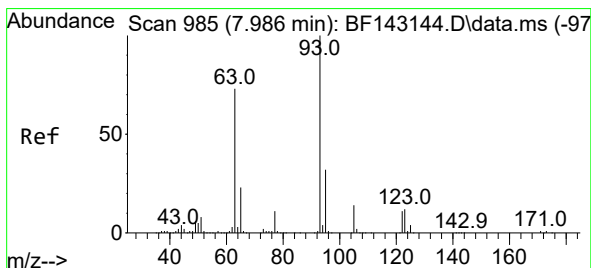
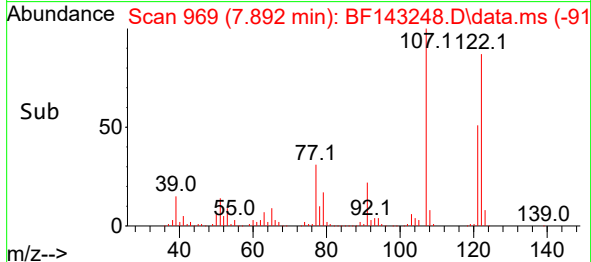
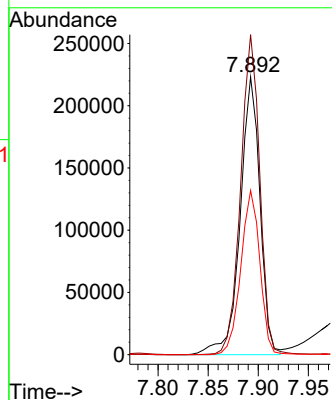
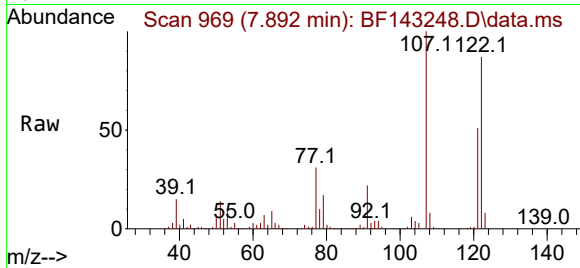
Tgt Ion:122 Resp: 307577

Ion Ratio Lower Upper

122 100

107 115.2 91.8 137.6

121 59.1 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 43.401 ng

RT: 7.987 min Scan# 985

Delta R.T. 0.000 min

Lab File: BF143248.D

Acq: 25 Jul 2025 13:41

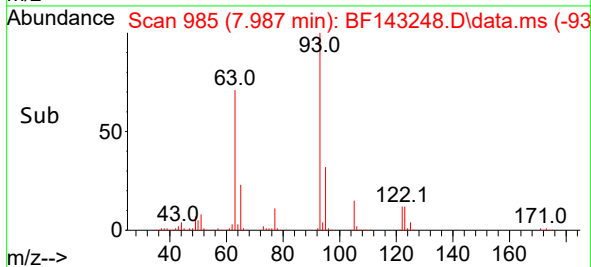
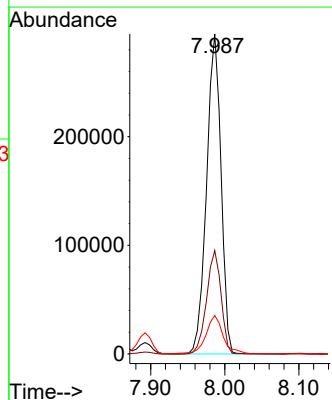
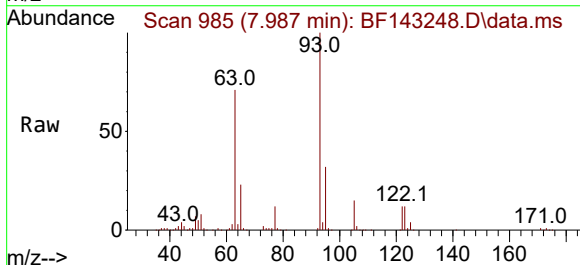
Tgt Ion: 93 Resp: 398396

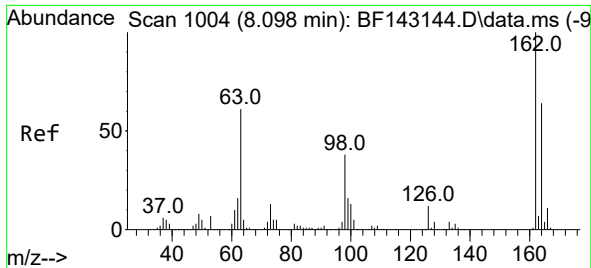
Ion Ratio Lower Upper

93 100

95 32.3 25.8 38.6

123 12.0 9.7 14.5





#29

2,4-Dichlorophenol

Concen: 45.323 ng

RT: 8.098 min Scan# 1004

Delta R.T. 0.000 min

Lab File: BF143248.D

Acq: 25 Jul 2025 13:41

Instrument :

BNA\_F

ClientSampleId :

PB169004BS

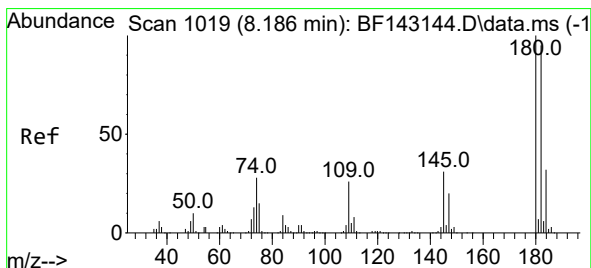
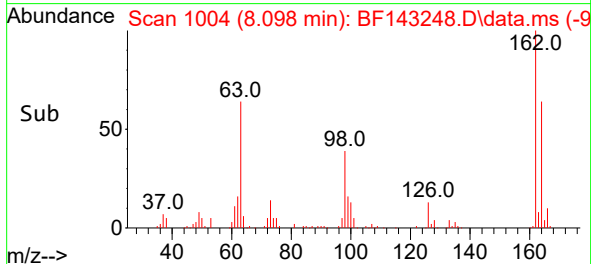
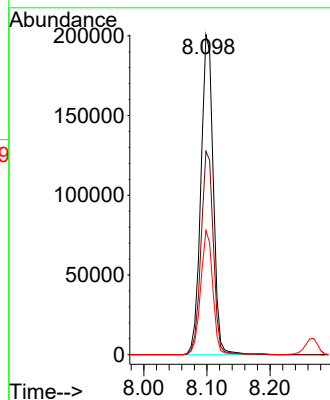
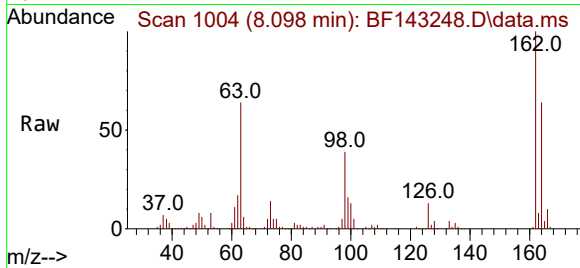
Tgt Ion:162 Resp: 273404

Ion Ratio Lower Upper

162 100

164 63.6 44.2 84.2

98 38.8 17.9 57.9



#30

1,2,4-Trichlorobenzene

Concen: 44.459 ng

RT: 8.187 min Scan# 1019

Delta R.T. 0.000 min

Lab File: BF143248.D

Acq: 25 Jul 2025 13:41

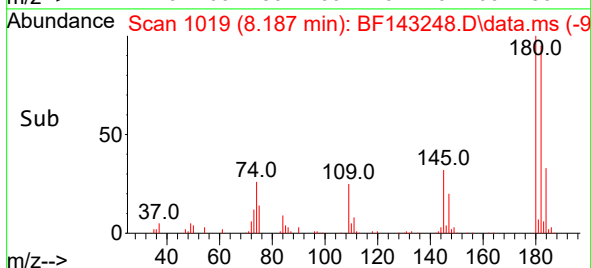
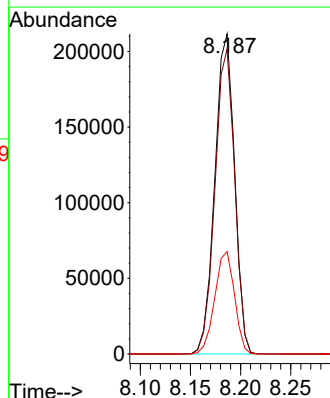
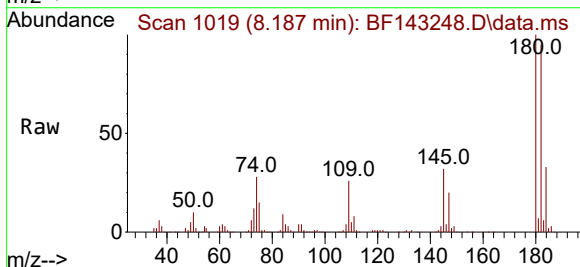
Tgt Ion:180 Resp: 289741

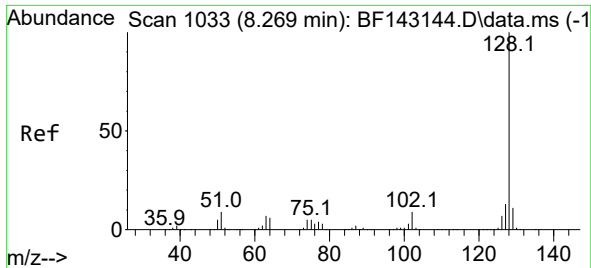
Ion Ratio Lower Upper

180 100

182 95.3 76.2 114.2

145 32.0 25.0 37.6

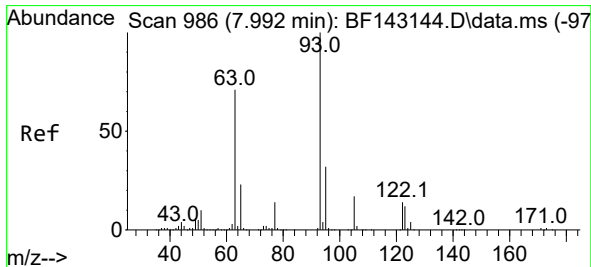
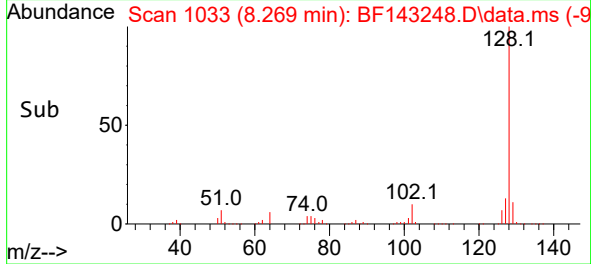
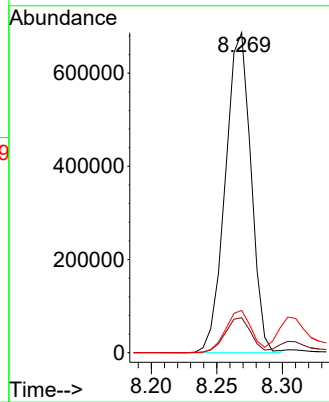
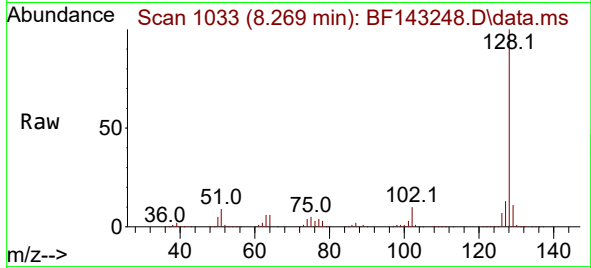




#31  
Naphthalene  
Concen: 43.803 ng  
RT: 8.269 min Scan# 1033  
Delta R.T. 0.000 min  
Lab File: BF143248.D  
Acq: 25 Jul 2025 13:41

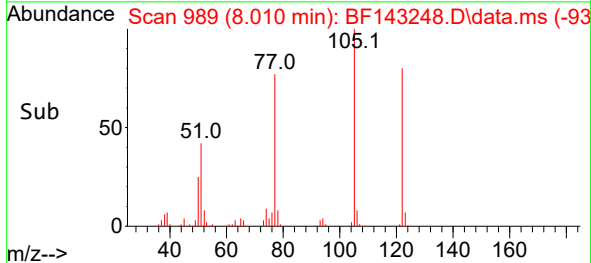
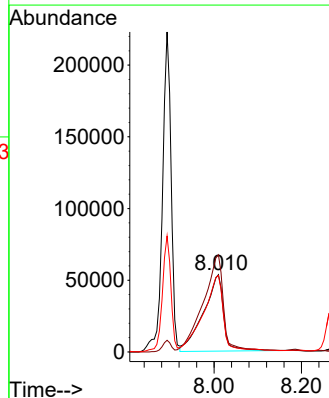
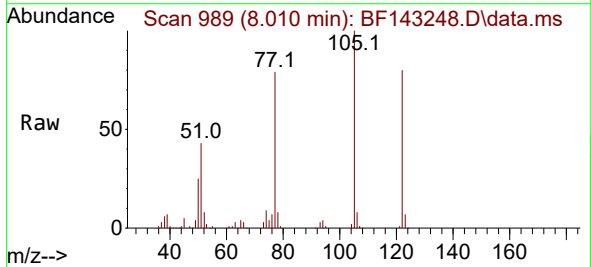
Instrument :  
BNA\_F  
ClientSampleId :  
PB169004BS

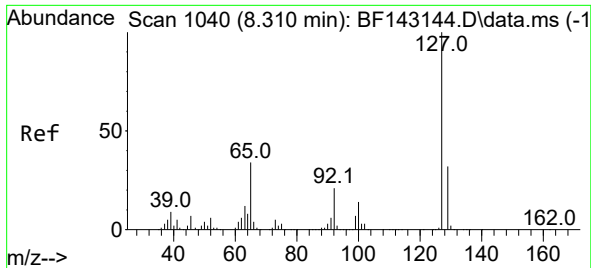
Tgt Ion:128 Resp: 932577  
Ion Ratio Lower Upper  
128 100  
129 11.0 9.0 13.4  
127 13.2 10.6 16.0



#32  
Benzoic acid  
Concen: 43.018 ng  
RT: 8.010 min Scan# 989  
Delta R.T. 0.018 min  
Lab File: BF143248.D  
Acq: 25 Jul 2025 13:41

Tgt Ion:122 Resp: 170904  
Ion Ratio Lower Upper  
122 100  
105 125.6 104.8 144.8  
77 99.0 77.6 117.6

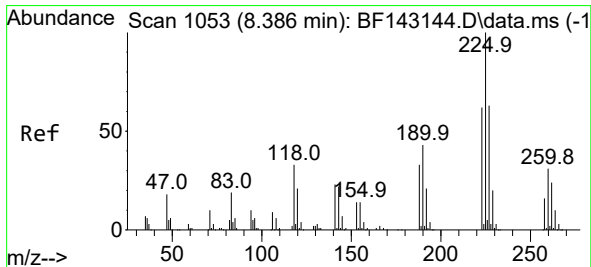
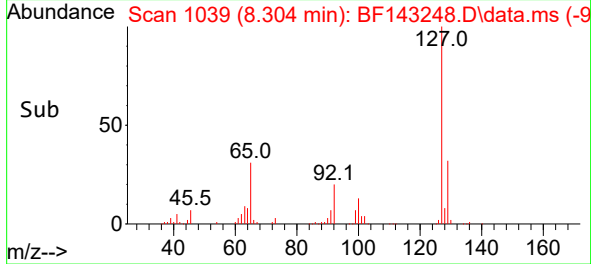
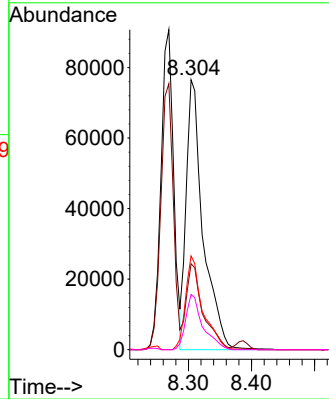
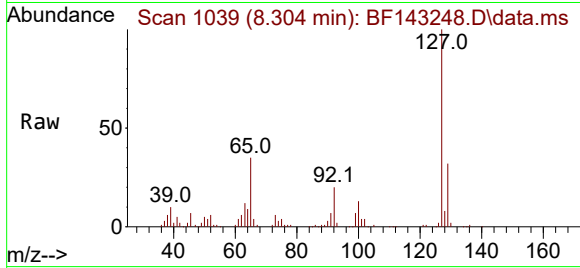




#33  
4-Chloroaniline  
Concen: 16.409 ng  
RT: 8.304 min Scan# 1039  
Delta R.T. -0.006 min  
Lab File: BF143248.D  
Acq: 25 Jul 2025 13:41

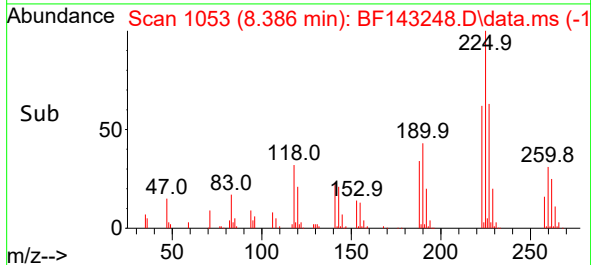
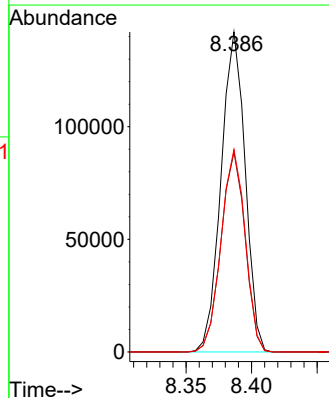
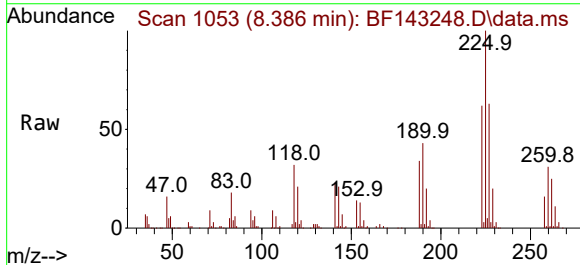
Instrument :  
BNA\_F  
ClientSampleId :  
PB169004BS

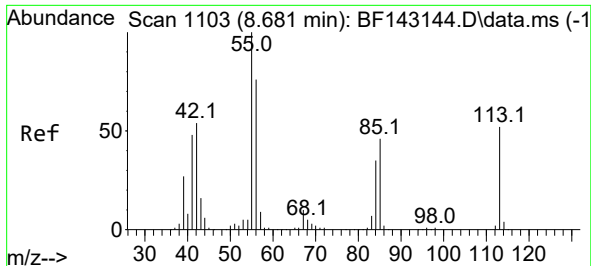
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 127   | Resp: | 142652 |
| Ion Ratio | Lower | Upper |        |
| 127       | 100   |       |        |
| 129       | 31.9  | 26.0  | 39.0   |
| 65        | 34.7  | 27.4  | 41.2   |
| 92        | 20.5  | 16.8  | 25.2   |



#34  
Hexachlorobutadiene  
Concen: 45.579 ng  
RT: 8.386 min Scan# 1053  
Delta R.T. 0.000 min  
Lab File: BF143248.D  
Acq: 25 Jul 2025 13:41

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 225   | Resp: | 181454 |
| Ion Ratio | Lower | Upper |        |
| 225       | 100   |       |        |
| 223       | 62.4  | 49.8  | 74.6   |
| 227       | 63.3  | 50.2  | 75.4   |

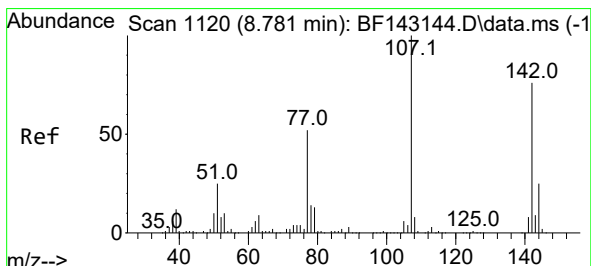
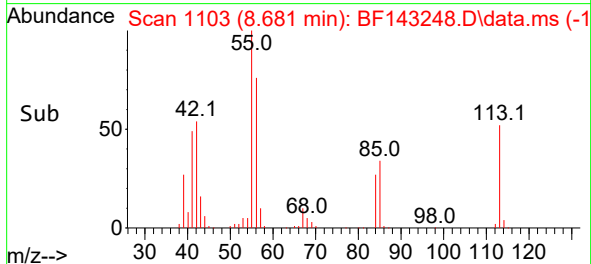
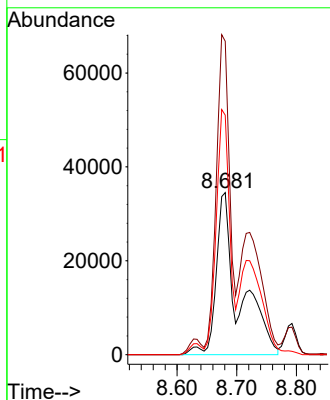
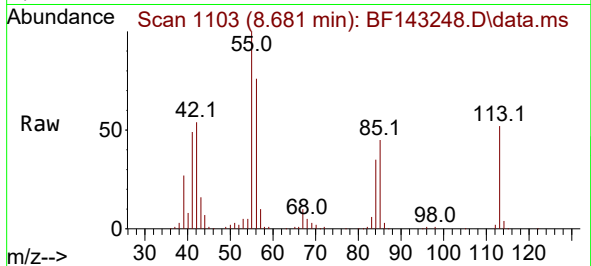




#35  
Caprolactam  
Concen: 49.924 ng m  
RT: 8.681 min Scan# 1103  
Delta R.T. 0.000 min  
Lab File: BF143248.D  
Acq: 25 Jul 2025 13:41

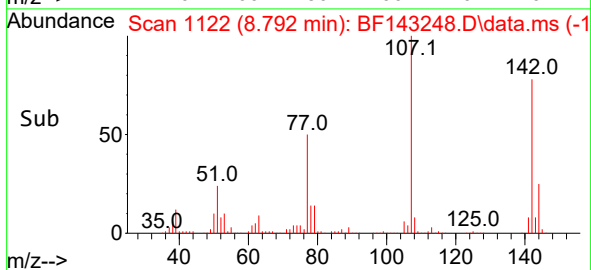
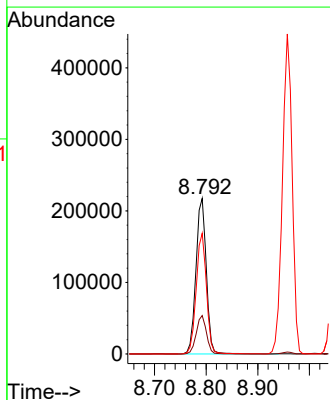
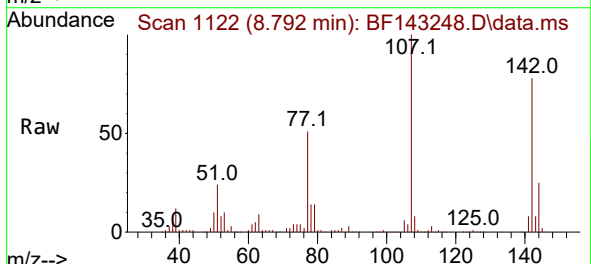
Instrument :  
BNA\_F  
ClientSampleId :  
PB169004BS

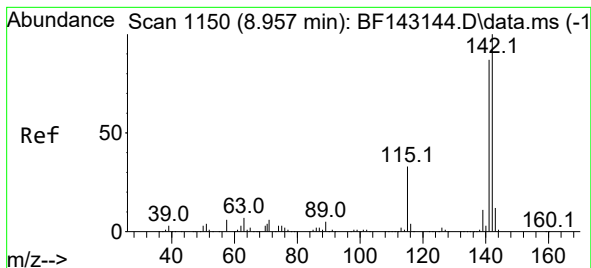
Tgt Ion:113 Resp: 91004  
Ion Ratio Lower Upper  
113 100  
55 193.3 174.0 214.0  
56 147.7 126.6 166.6



#36  
4-Chloro-3-methylphenol  
Concen: 46.125 ng  
RT: 8.792 min Scan# 1122  
Delta R.T. 0.012 min  
Lab File: BF143248.D  
Acq: 25 Jul 2025 13:41

Tgt Ion:107 Resp: 302421  
Ion Ratio Lower Upper  
107 100  
144 24.7 19.8 29.6  
142 77.6 60.6 90.8

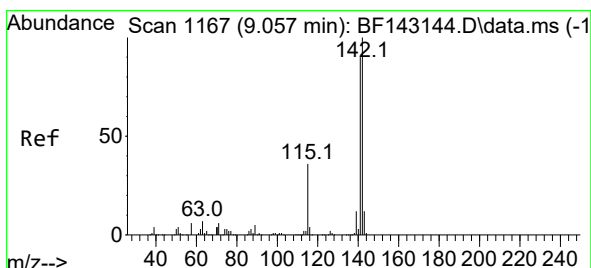
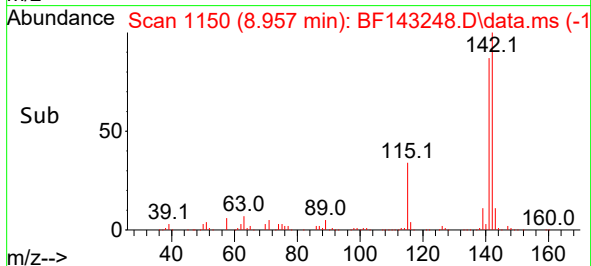
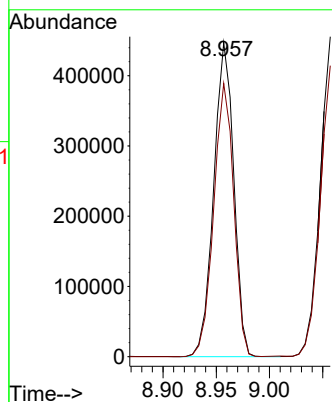
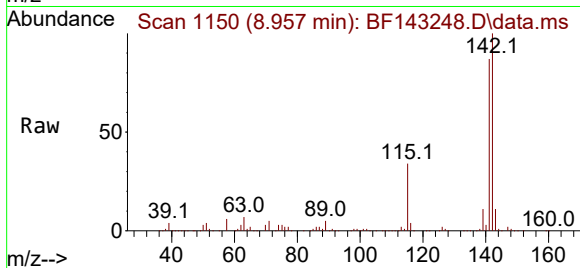




#37  
2-Methylnaphthalene  
Concen: 45.095 ng  
RT: 8.957 min Scan# 1150  
Delta R.T. 0.000 min  
Lab File: BF143248.D  
Acq: 25 Jul 2025 13:41

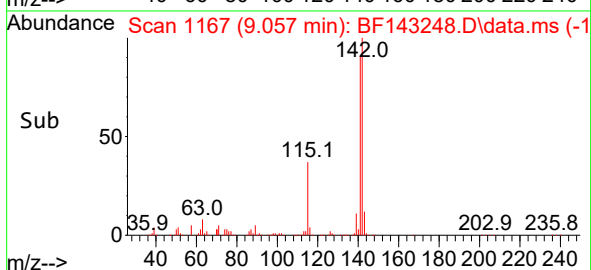
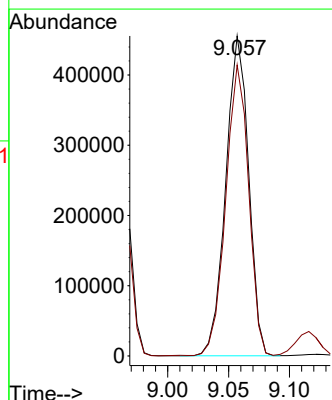
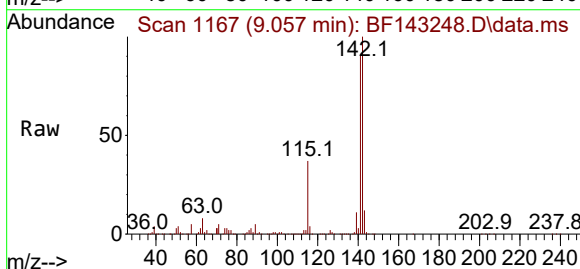
Instrument :  
BNA\_F  
ClientSampleId :  
PB169004BS

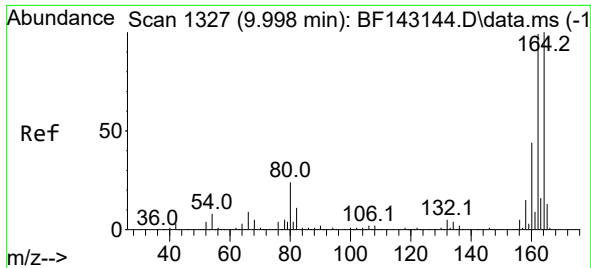
Tgt Ion:142 Resp: 584229  
Ion Ratio Lower Upper  
142 100  
141 87.0 69.9 104.9



#38  
1-Methylnaphthalene  
Concen: 44.659 ng  
RT: 9.057 min Scan# 1167  
Delta R.T. 0.000 min  
Lab File: BF143248.D  
Acq: 25 Jul 2025 13:41

Tgt Ion:142 Resp: 595793  
Ion Ratio Lower Upper  
142 100  
141 91.0 72.3 108.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.004 min Scan# 1178

Delta R.T. 0.006 min

Lab File: BF143248.D

Acq: 25 Jul 2025 13:41

Instrument :

BNA\_F

ClientSampleId :

PB169004BS

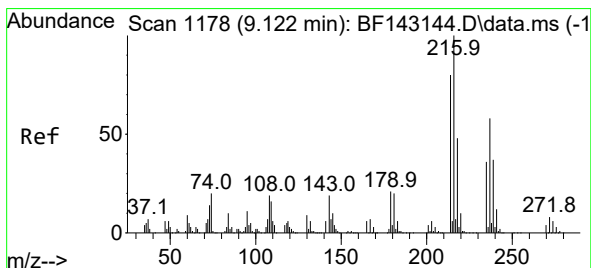
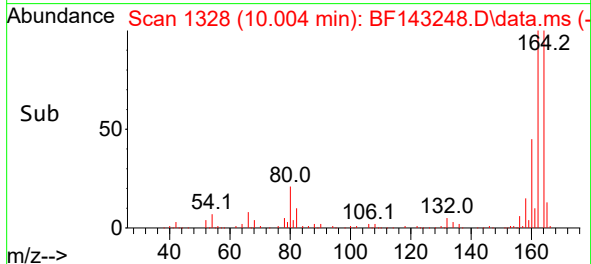
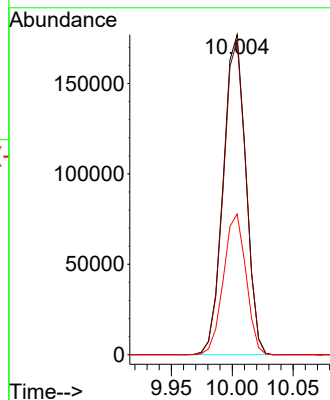
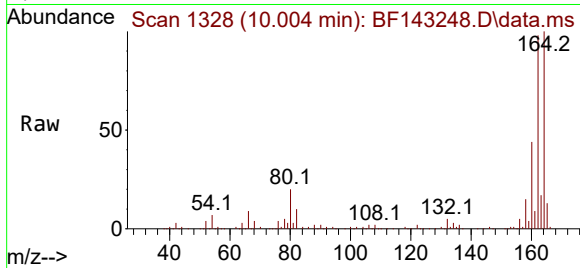
Tgt Ion:164 Resp: 228591

Ion Ratio Lower Upper

164 100

162 98.3 79.0 118.6

160 44.0 35.1 52.7



#40

1,2,4,5-Tetrachlorobenzene

Concen: 43.912 ng

RT: 9.128 min Scan# 1179

Delta R.T. 0.006 min

Lab File: BF143248.D

Acq: 25 Jul 2025 13:41

Tgt Ion:216 Resp: 289806

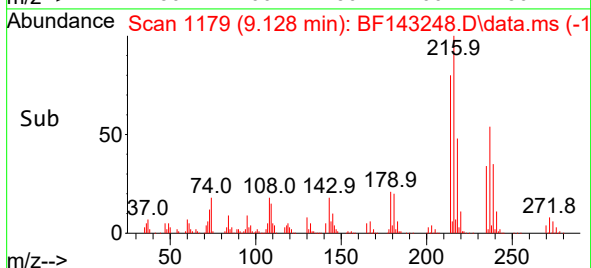
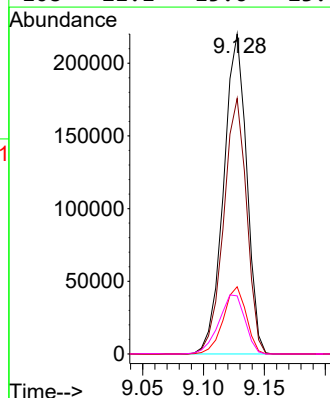
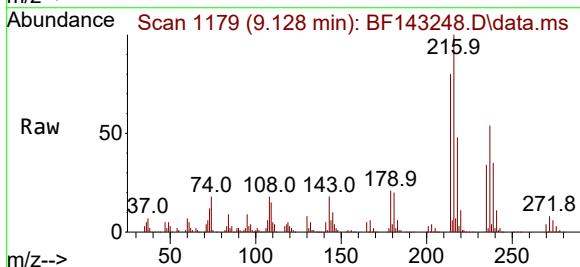
Ion Ratio Lower Upper

216 100

214 79.4 63.8 95.8

179 20.8 16.4 24.6

108 21.1 15.6 23.4

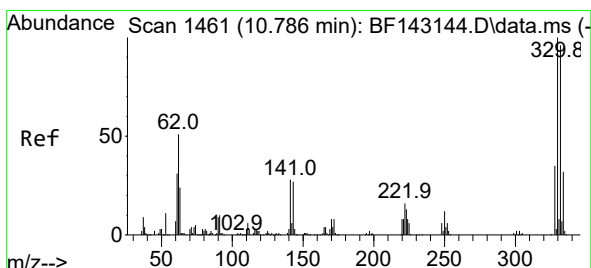
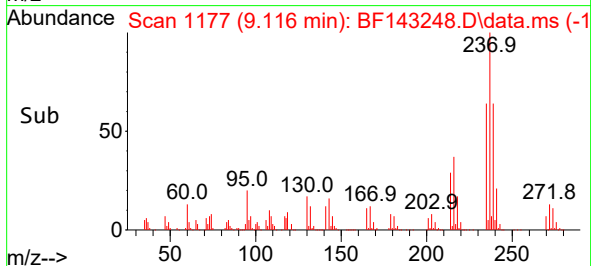
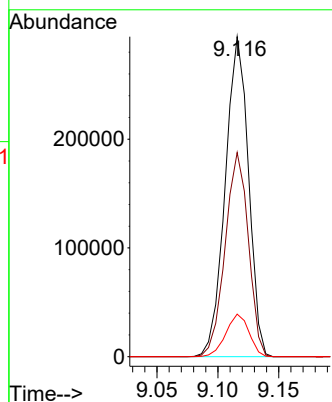
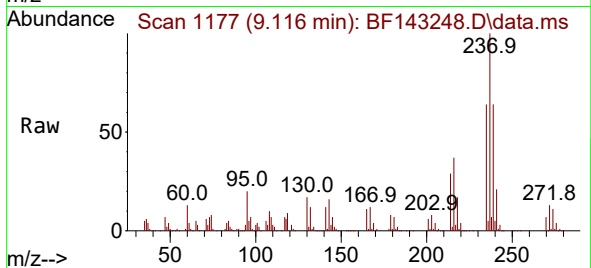




#41  
Hexachlorocyclopentadiene  
Concen: 91.022 ng  
RT: 9.116 min Scan# 1177  
Delta R.T. 0.000 min  
Lab File: BF143248.D  
Acq: 25 Jul 2025 13:41

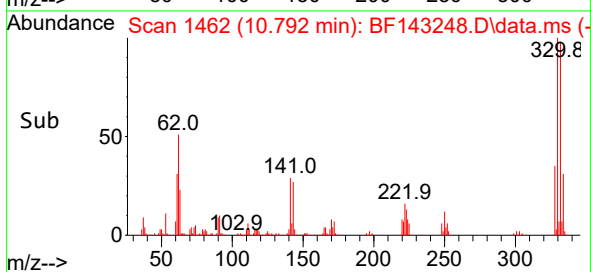
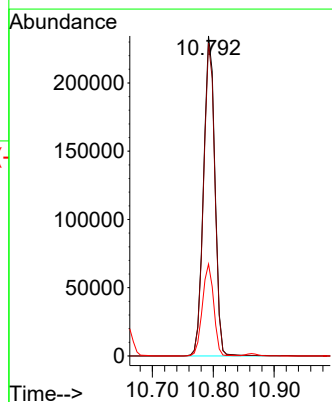
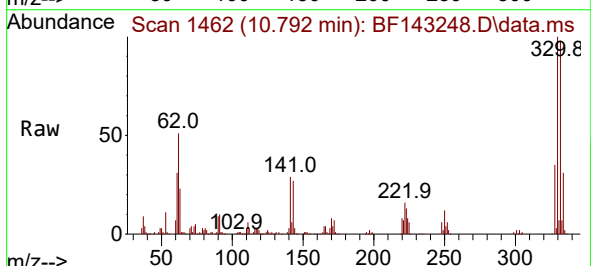
Instrument :  
BNA\_F  
ClientSampleId :  
PB169004BS

Tgt Ion:237 Resp: 390867  
Ion Ratio Lower Upper  
237 100  
235 63.8 43.0 83.0  
272 13.3 0.0 33.3



#42  
2,4,6-Tribromophenol  
Concen: 128.643 ng  
RT: 10.792 min Scan# 1462  
Delta R.T. 0.006 min  
Lab File: BF143248.D  
Acq: 25 Jul 2025 13:41

Tgt Ion:330 Resp: 303786  
Ion Ratio Lower Upper  
330 100  
332 97.1 76.7 115.1  
141 28.5 23.3 34.9

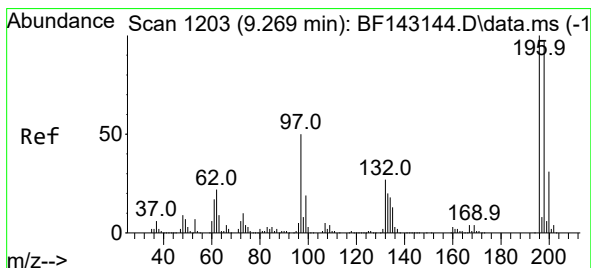
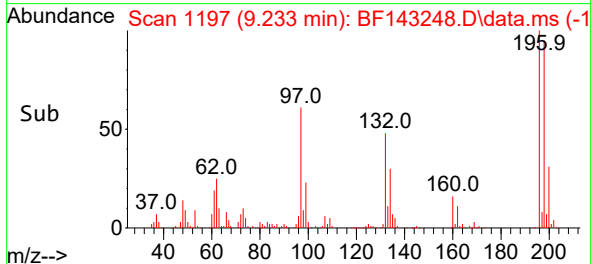
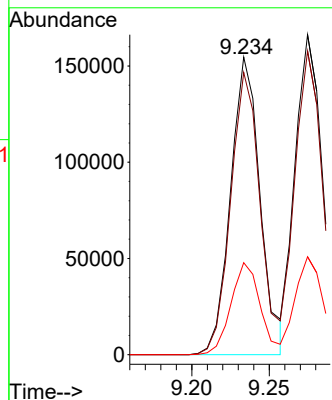
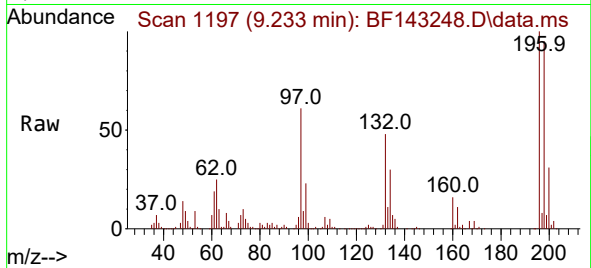




#43  
2,4,6-Trichlorophenol  
Concen: 44.887 ng  
RT: 9.233 min Scan# 1196  
Delta R.T. 0.006 min  
Lab File: BF143248.D  
Acq: 25 Jul 2025 13:41

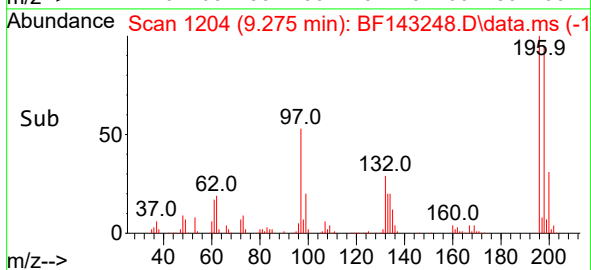
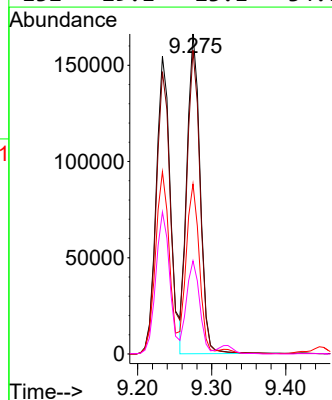
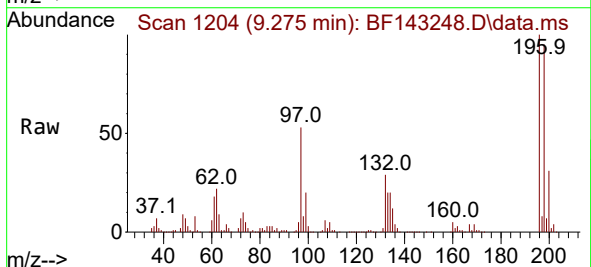
Instrument :  
BNA\_F  
ClientSampleId :  
PB169004BS

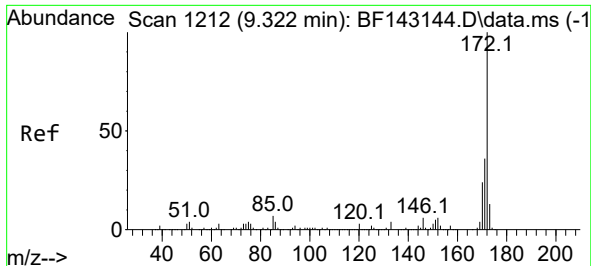
Tgt Ion:196 Resp: 205024  
Ion Ratio Lower Upper  
196 100  
198 94.9 76.2 114.2  
200 30.9 23.9 35.9



#44  
2,4,5-Trichlorophenol  
Concen: 45.153 ng  
RT: 9.275 min Scan# 1204  
Delta R.T. 0.006 min  
Lab File: BF143248.D  
Acq: 25 Jul 2025 13:41

Tgt Ion:196 Resp: 206299  
Ion Ratio Lower Upper  
196 100  
198 94.9 77.3 115.9  
97 53.1 40.3 60.5  
132 29.1 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 76.073 ng

RT: 9.322 min Scan# 1212

Delta R.T. 0.000 min

Lab File: BF143248.D

Acq: 25 Jul 2025 13:41

Instrument :

BNA\_F

ClientSampleId :

PB169004BS

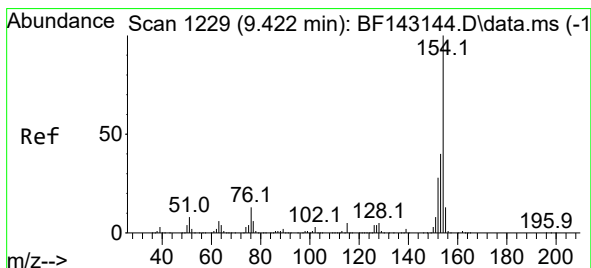
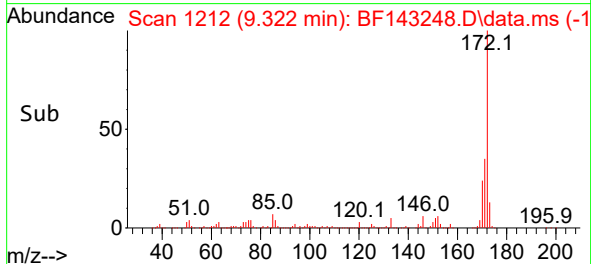
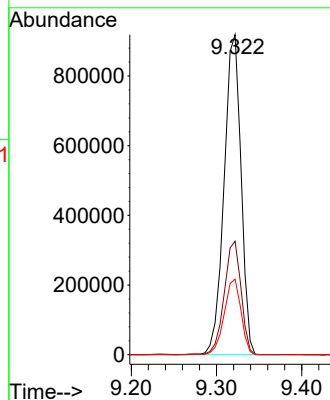
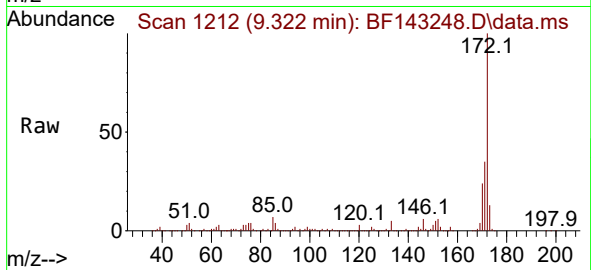
Tgt Ion:172 Resp: 1271514

Ion Ratio Lower Upper

172 100

171 35.4 28.6 42.8

170 23.6 18.8 28.2



#46

1,1'-Biphenyl

Concen: 44.692 ng

RT: 9.422 min Scan# 1229

Delta R.T. 0.000 min

Lab File: BF143248.D

Acq: 25 Jul 2025 13:41

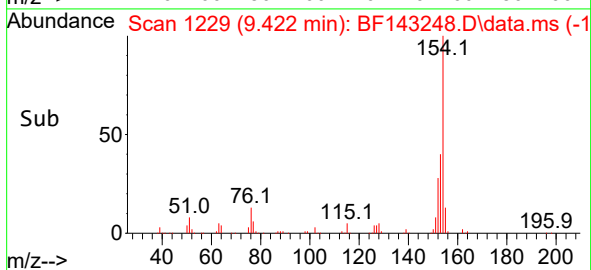
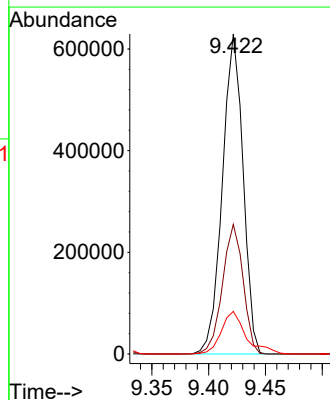
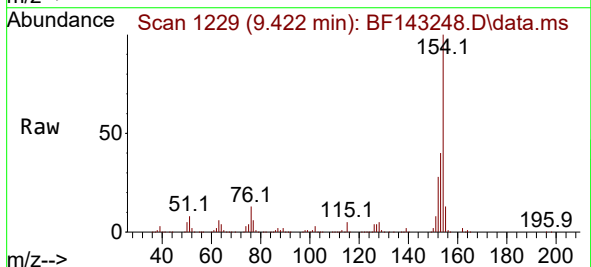
Tgt Ion:154 Resp: 797069

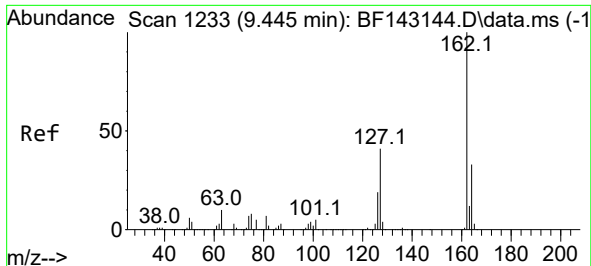
Ion Ratio Lower Upper

154 100

153 40.5 20.3 60.3

76 13.3 0.0 33.3

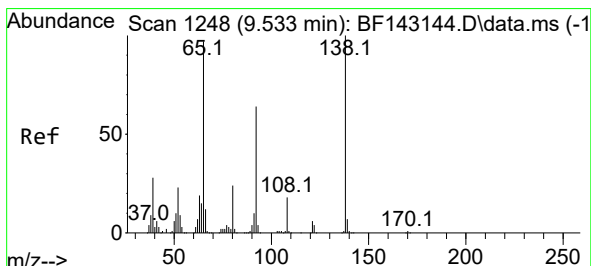
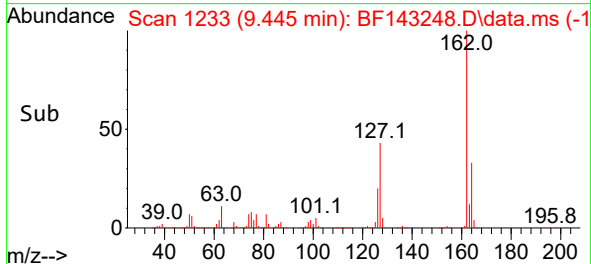
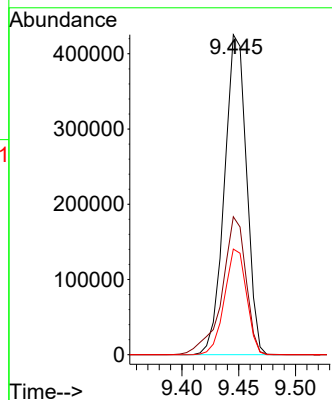
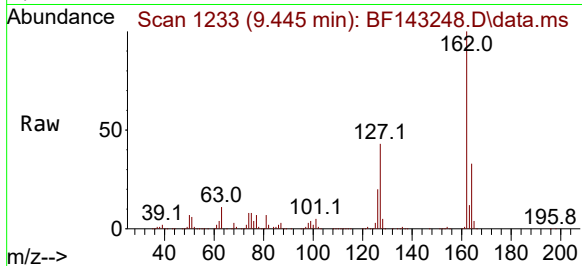




#47  
2-Chloronaphthalene  
Concen: 43.626 ng  
RT: 9.445 min Scan# 1233  
Delta R.T. 0.000 min  
Lab File: BF143248.D  
Acq: 25 Jul 2025 13:41

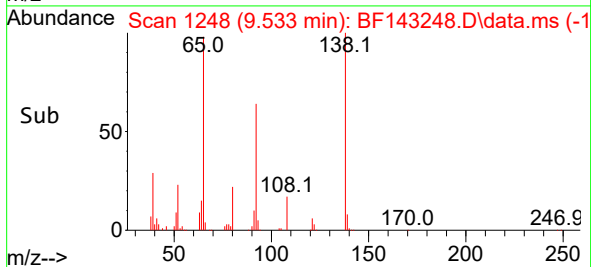
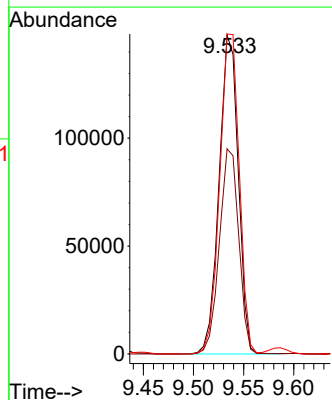
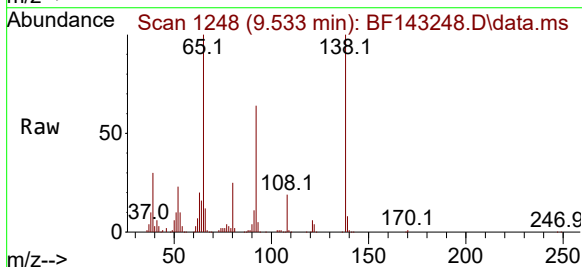
Instrument :  
BNA\_F  
ClientSampleId :  
PB169004BS

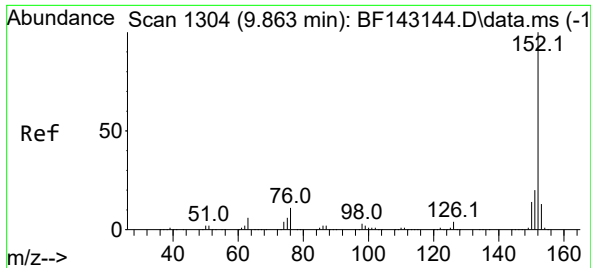
Tgt Ion:162 Resp: 575700  
Ion Ratio Lower Upper  
162 100  
127 43.1 33.4 50.2  
164 33.0 26.2 39.2



#48  
2-Nitroaniline  
Concen: 47.453 ng  
RT: 9.533 min Scan# 1248  
Delta R.T. 0.000 min  
Lab File: BF143248.D  
Acq: 25 Jul 2025 13:41

Tgt Ion: 65 Resp: 196377  
Ion Ratio Lower Upper  
65 100  
92 64.3 52.4 78.6  
138 100.4 82.3 123.5

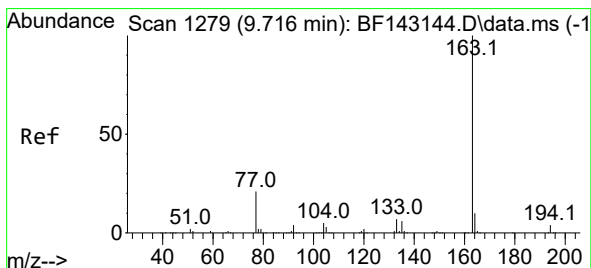
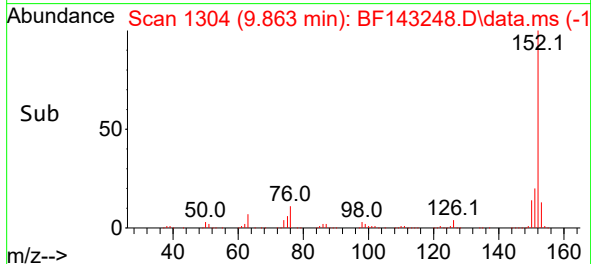
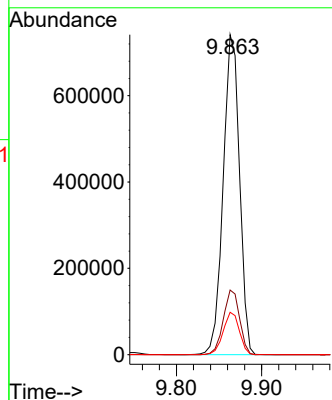
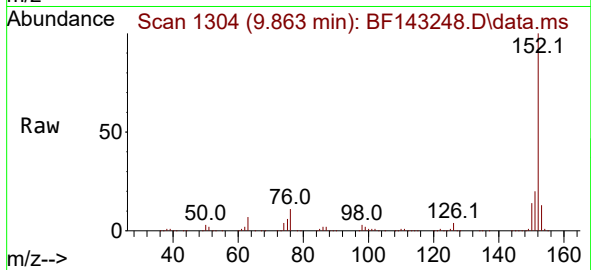




#49  
Acenaphthylene  
Concen: 44.636 ng  
RT: 9.863 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF143248.D  
Acq: 25 Jul 2025 13:41

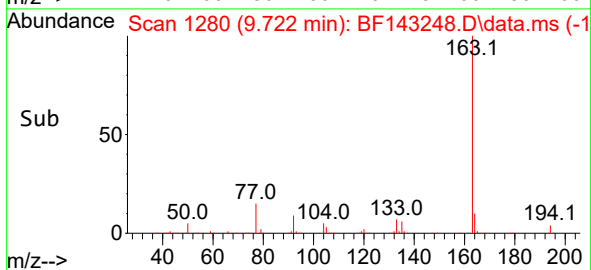
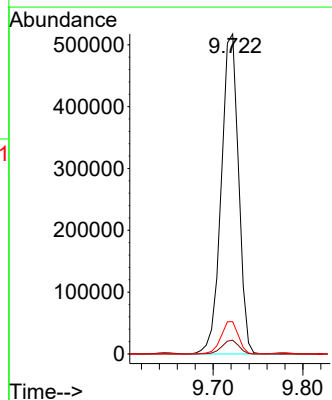
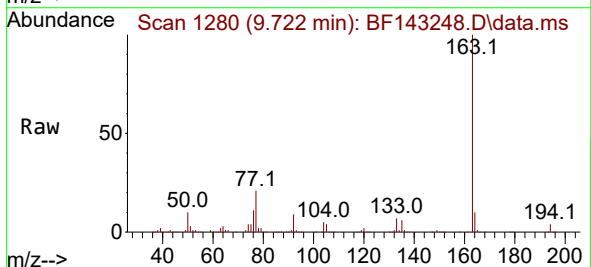
Instrument :  
BNA\_F  
ClientSampleId :  
PB169004BS

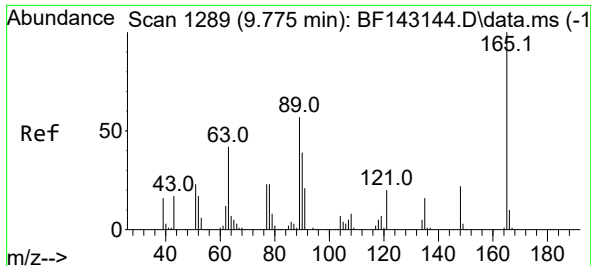
Tgt Ion:152 Resp: 987120  
Ion Ratio Lower Upper  
152 100  
151 20.2 16.2 24.2  
153 13.3 10.6 16.0



#50  
Dimethylphthalate  
Concen: 46.497 ng  
RT: 9.722 min Scan# 1280  
Delta R.T. 0.006 min  
Lab File: BF143248.D  
Acq: 25 Jul 2025 13:41

Tgt Ion:163 Resp: 692815  
Ion Ratio Lower Upper  
163 100  
194 4.3 3.4 5.2  
164 10.1 8.3 12.5

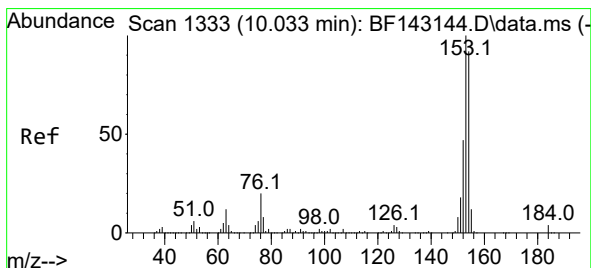
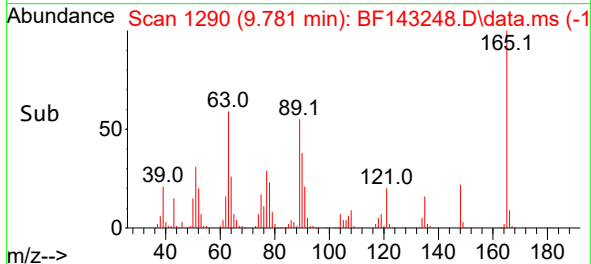
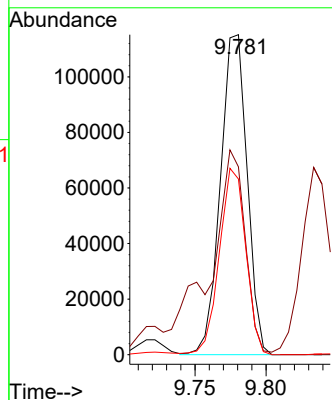
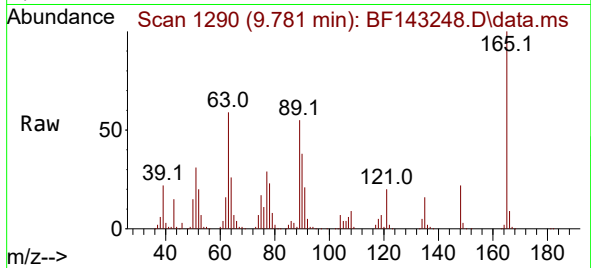




#51  
2,6-Dinitrotoluene  
Concen: 49.692 ng  
RT: 9.781 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF143248.D  
Acq: 25 Jul 2025 13:41

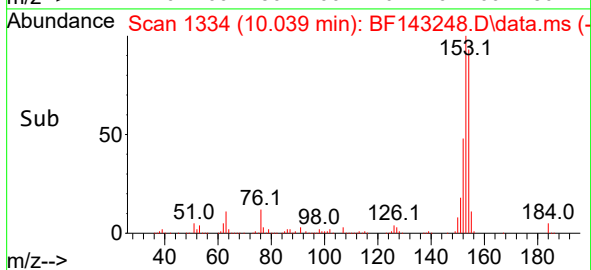
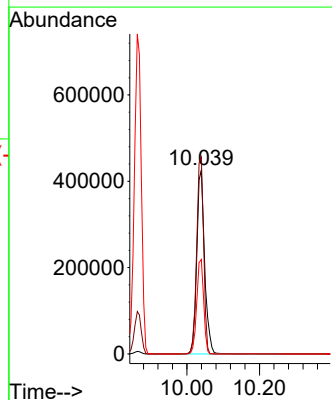
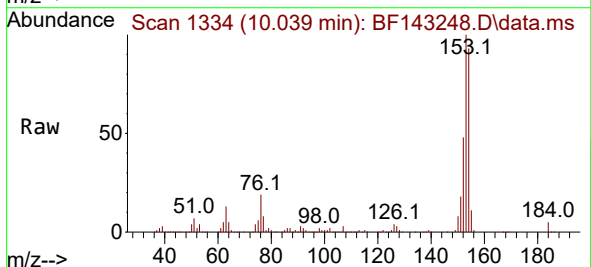
Instrument :  
BNA\_F  
ClientSampleId :  
PB169004BS

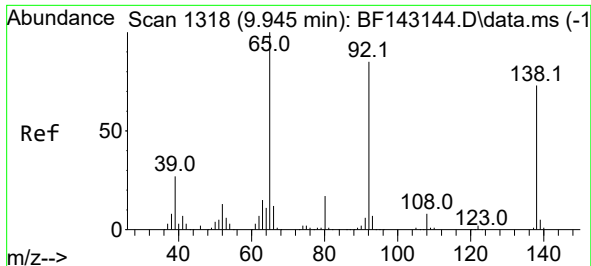
Tgt Ion:165 Resp: 150622  
Ion Ratio Lower Upper  
165 100  
63 58.7 49.4 74.2  
89 54.9 46.2 69.2



#52  
Acenaphthene  
Concen: 49.086 ng  
RT: 10.039 min Scan# 1334  
Delta R.T. 0.006 min  
Lab File: BF143248.D  
Acq: 25 Jul 2025 13:41

Tgt Ion:154 Resp: 641599  
Ion Ratio Lower Upper  
154 100  
153 107.1 86.6 129.8  
152 51.4 40.4 60.6

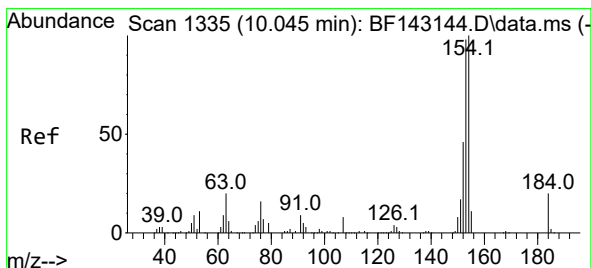
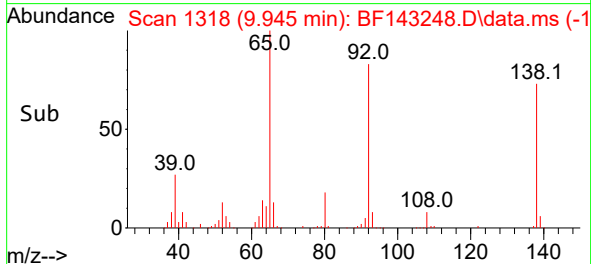
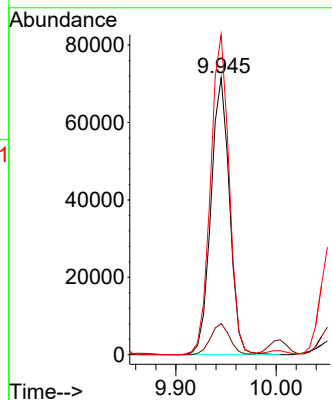
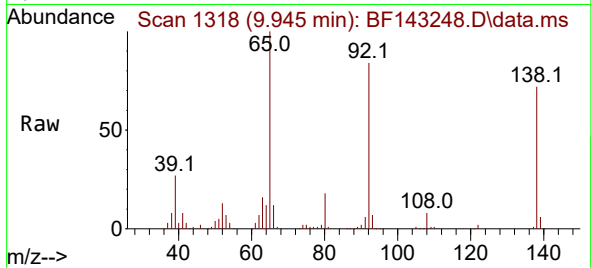




#53  
3-Nitroaniline  
Concen: 25.981 ng  
RT: 9.945 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF143248.D  
Acq: 25 Jul 2025 13:41

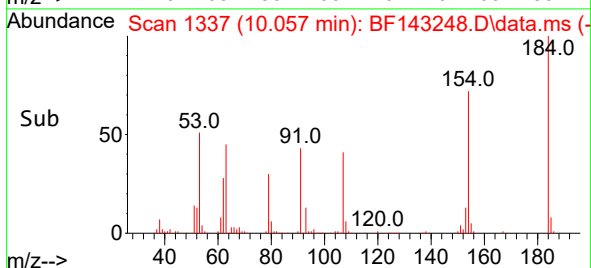
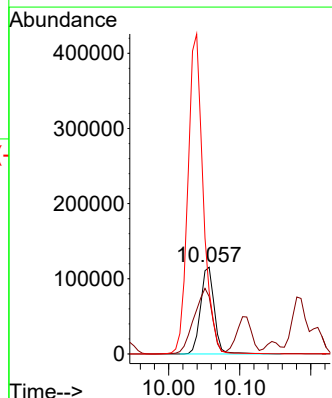
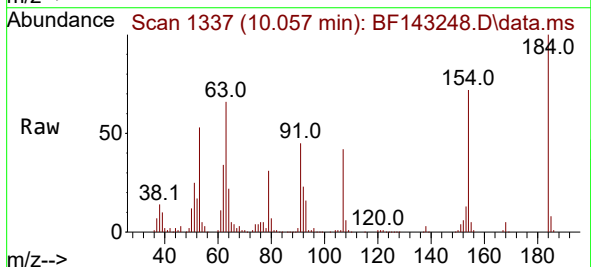
Instrument :  
BNA\_F  
ClientSampleId :  
PB169004BS

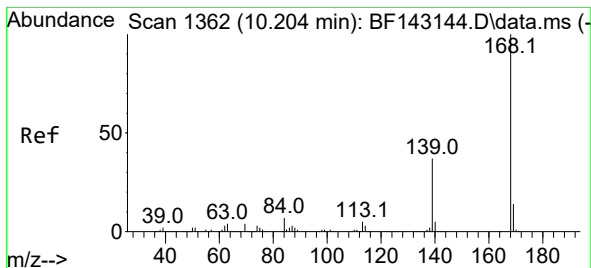
Tgt Ion:138 Resp: 92113  
Ion Ratio Lower Upper  
138 100  
108 11.2 9.0 13.6  
92 115.5 93.0 139.4



#54  
2,4-Dinitrophenol  
Concen: 110.663 ng  
RT: 10.057 min Scan# 1337  
Delta R.T. 0.012 min  
Lab File: BF143248.D  
Acq: 25 Jul 2025 13:41

Tgt Ion:184 Resp: 155854  
Ion Ratio Lower Upper  
184 100  
63 66.2 81.8 122.6#  
154 71.9 412.2 618.4#





#55

Dibenzenofuran

Concen: 43.943 ng

RT: 10.210 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF143248.D

Acq: 25 Jul 2025 13:41

Instrument :

BNA\_F

ClientSampleId :

PB169004BS

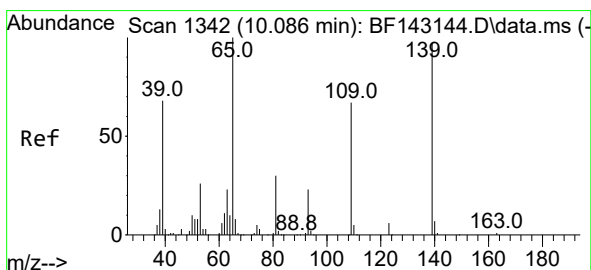
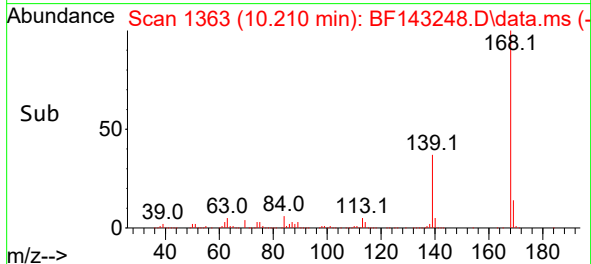
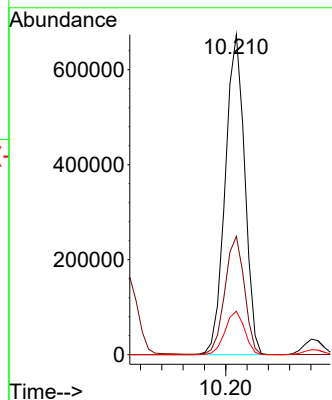
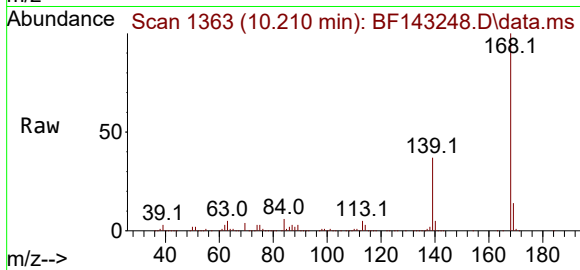
Tgt Ion:168 Resp: 852771

Ion Ratio Lower Upper

168 100

139 37.0 29.5 44.3

169 13.6 10.9 16.3



#56

4-Nitrophenol

Concen: 90.183 ng

RT: 10.110 min Scan# 1346

Delta R.T. 0.024 min

Lab File: BF143248.D

Acq: 25 Jul 2025 13:41

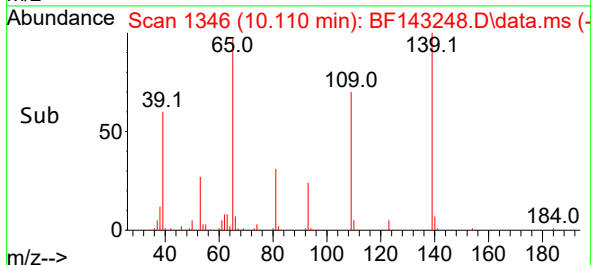
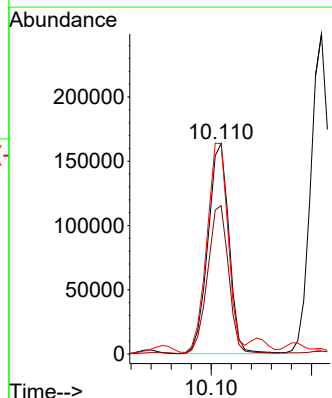
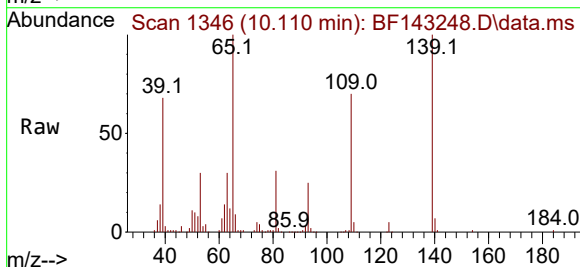
Tgt Ion:139 Resp: 238760

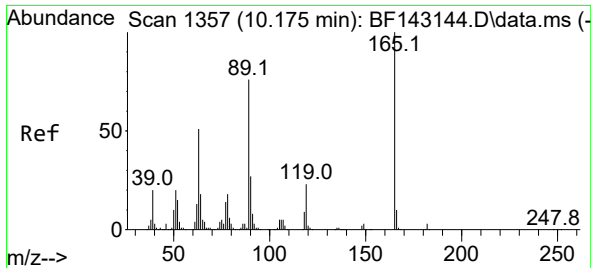
Ion Ratio Lower Upper

139 100

109 70.5 48.5 88.5

65 99.9 83.4 123.4

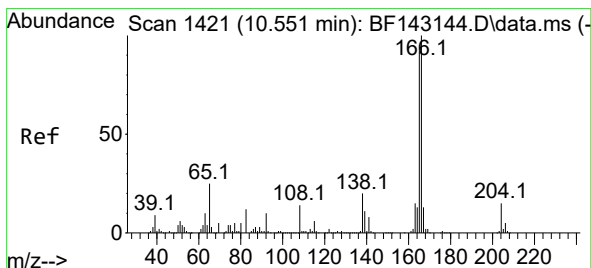
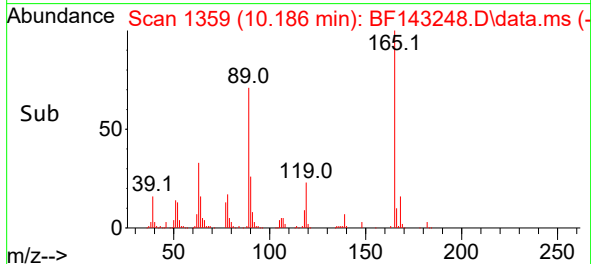
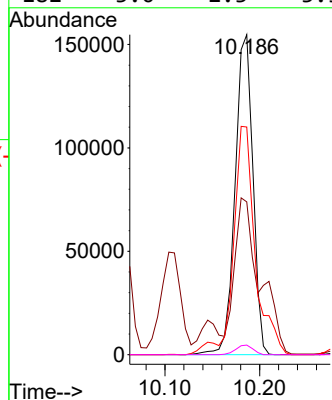
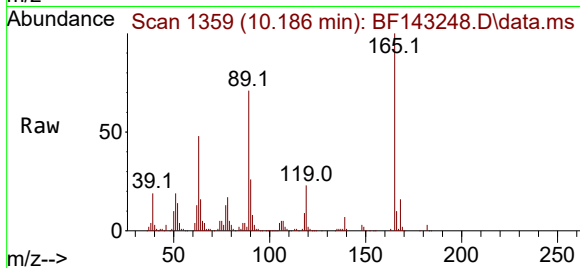




#57  
2,4-Dinitrotoluene  
Concen: 52.986 ng  
RT: 10.186 min Scan# 11  
Delta R.T. 0.012 min  
Lab File: BF143248.D  
Acq: 25 Jul 2025 13:41

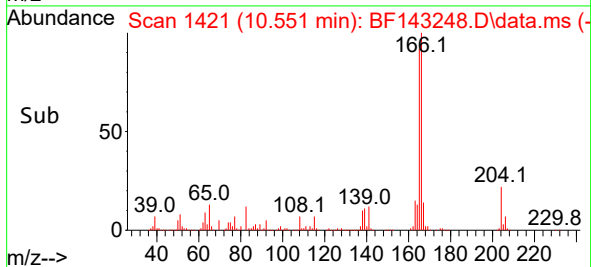
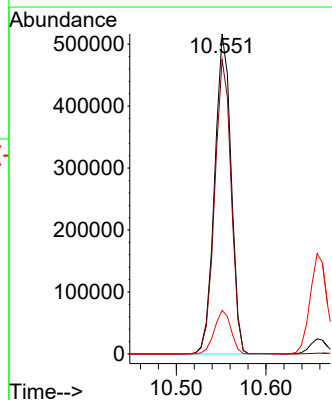
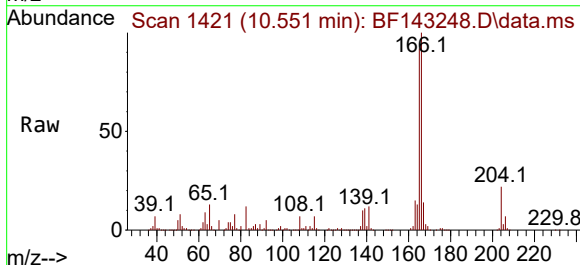
Instrument :  
BNA\_F  
ClientSampleId :  
PB169004BS

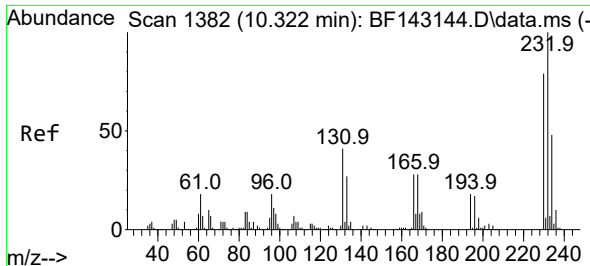
Tgt Ion:165 Resp: 201499  
Ion Ratio Lower Upper  
165 100  
63 47.8 41.0 61.4  
89 71.2 61.1 91.7  
182 3.0 2.3 3.5



#58  
Fluorene  
Concen: 45.220 ng  
RT: 10.551 min Scan# 1421  
Delta R.T. 0.000 min  
Lab File: BF143248.D  
Acq: 25 Jul 2025 13:41

Tgt Ion:166 Resp: 658616  
Ion Ratio Lower Upper  
166 100  
165 91.9 73.7 110.5  
167 13.7 10.6 16.0

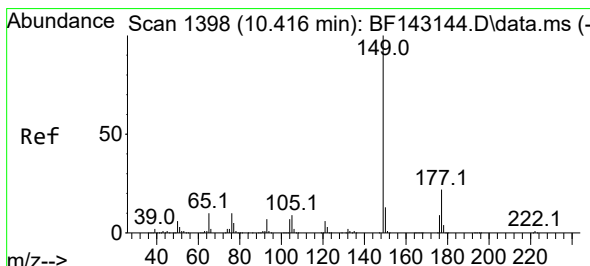
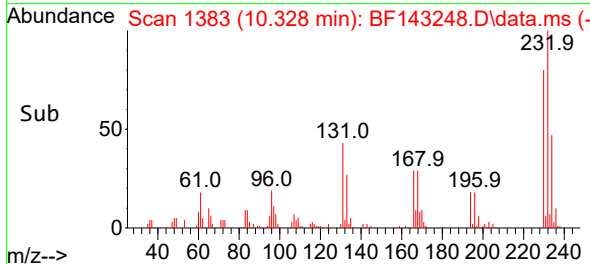
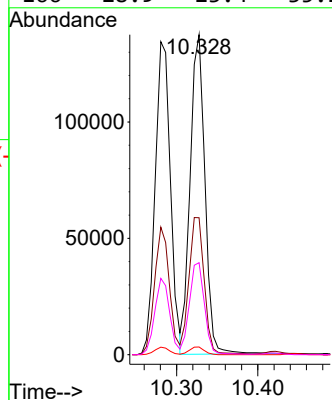
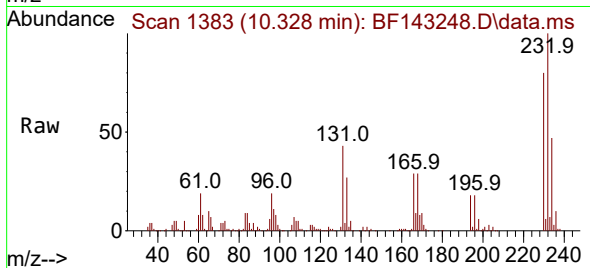




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 46.166 ng  
RT: 10.328 min Scan# 1382  
Delta R.T. 0.006 min  
Lab File: BF143248.D  
Acq: 25 Jul 2025 13:41

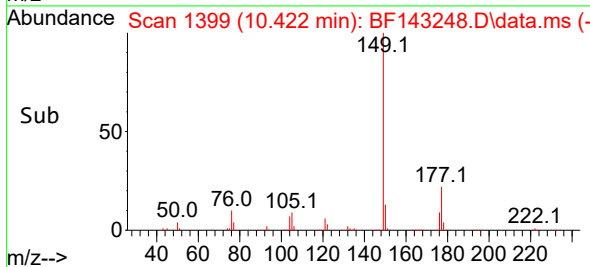
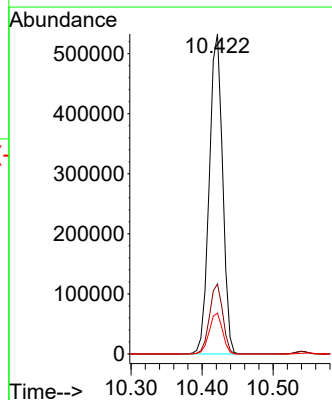
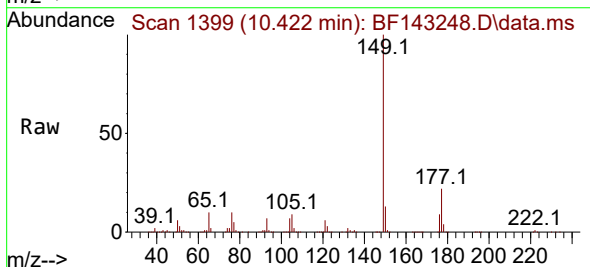
Instrument :  
BNA\_F  
ClientSampleId :  
PB169004BS

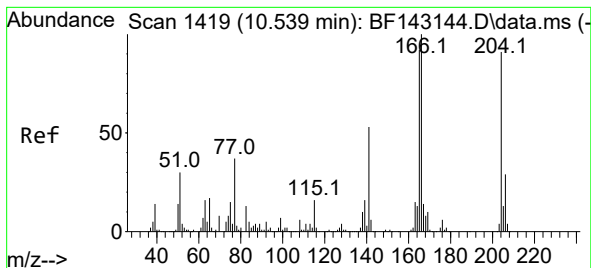
Tgt Ion:232 Resp: 174724  
Ion Ratio Lower Upper  
232 100  
131 44.5 35.3 52.9  
130 2.4 1.7 2.5  
166 28.9 23.4 35.2



#60  
Diethylphthalate  
Concen: 47.310 ng  
RT: 10.422 min Scan# 1399  
Delta R.T. 0.006 min  
Lab File: BF143248.D  
Acq: 25 Jul 2025 13:41

Tgt Ion:149 Resp: 696747  
Ion Ratio Lower Upper  
149 100  
177 21.9 17.5 26.3  
150 12.8 10.2 15.2

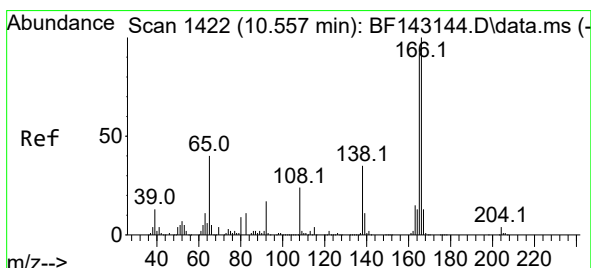
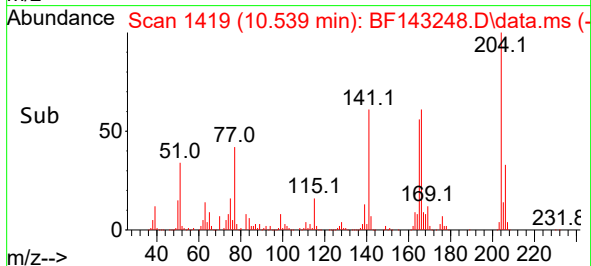
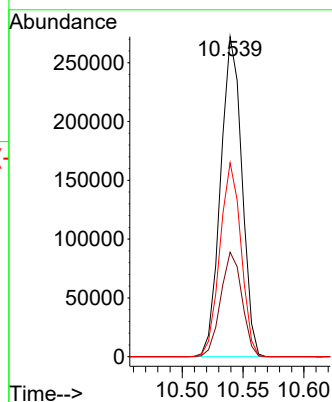
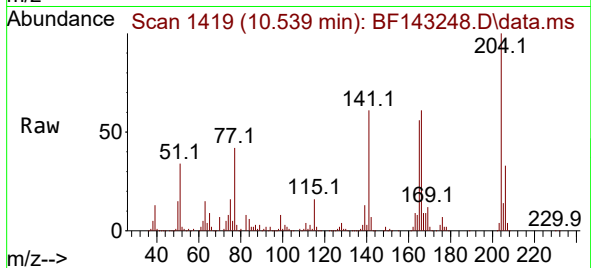




#61  
4-Chlorophenyl-phenylether  
Concen: 45.760 ng  
RT: 10.539 min Scan# 1419  
Delta R.T. 0.000 min  
Lab File: BF143248.D  
Acq: 25 Jul 2025 13:41

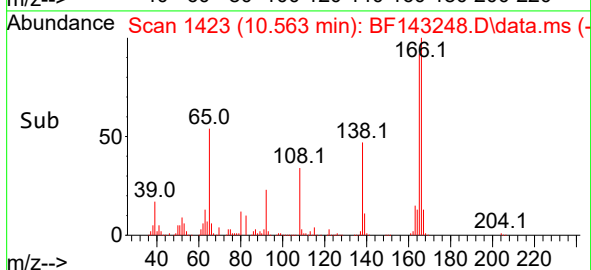
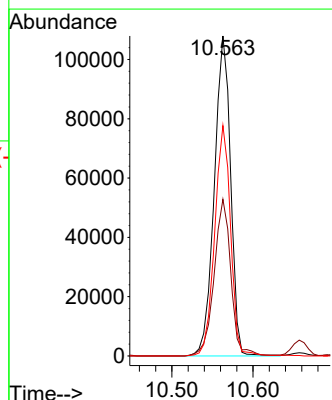
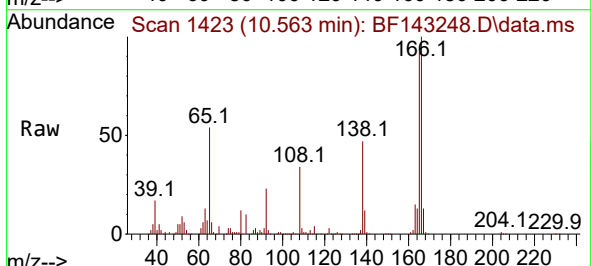
Instrument :  
BNA\_F  
ClientSampleId :  
PB169004BS

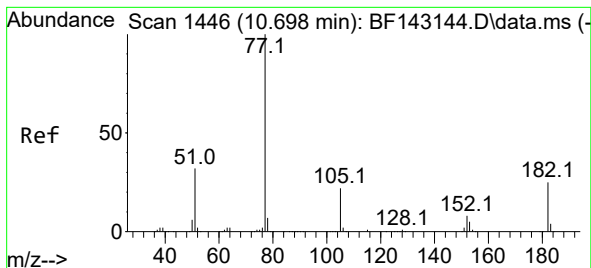
Tgt Ion:204 Resp: 331871  
Ion Ratio Lower Upper  
204 100  
206 32.6 25.8 38.8  
141 60.6 47.0 70.4



#62  
4-Nitroaniline  
Concen: 49.577 ng  
RT: 10.563 min Scan# 1423  
Delta R.T. 0.006 min  
Lab File: BF143248.D  
Acq: 25 Jul 2025 13:41

Tgt Ion:138 Resp: 150646  
Ion Ratio Lower Upper  
138 100  
92 49.0 29.3 69.3  
108 72.0 48.3 88.3

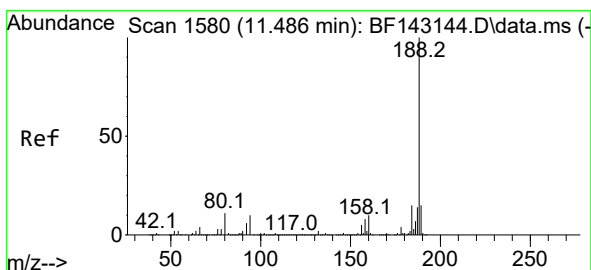
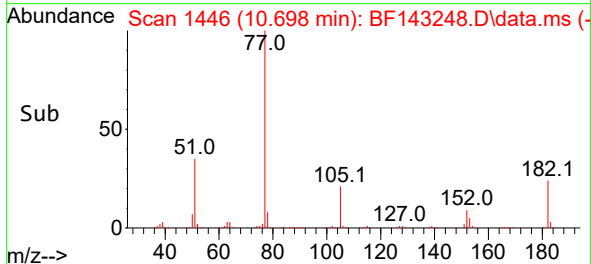
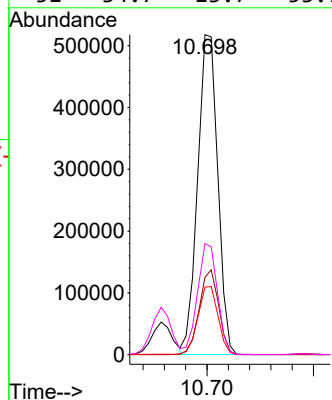
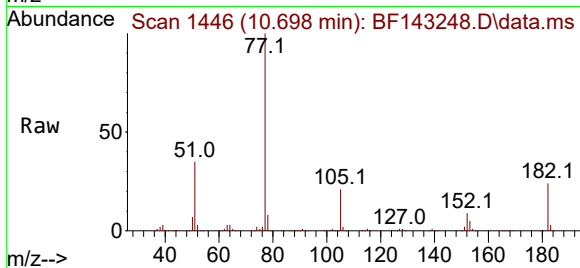




#63  
Azobenzene  
Concen: 44.372 ng  
RT: 10.698 min Scan# 1446  
Delta R.T. 0.000 min  
Lab File: BF143248.D  
Acq: 25 Jul 2025 13:41

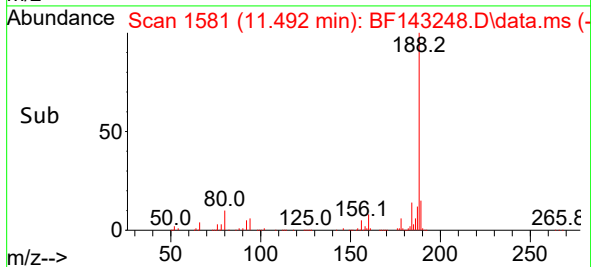
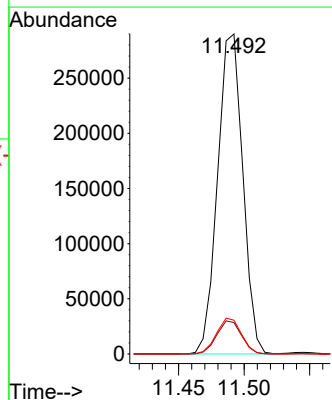
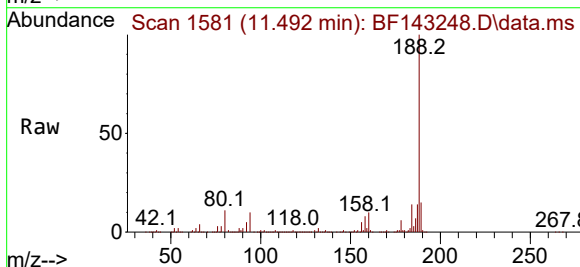
Instrument :  
BNA\_F  
ClientSampleId :  
PB169004BS

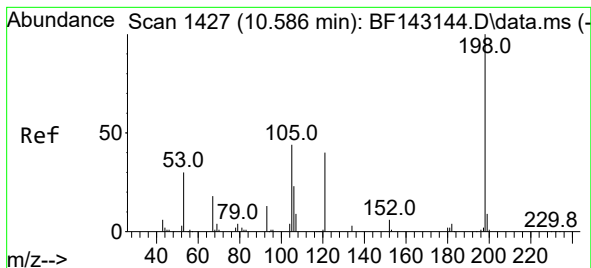
|             |              |
|-------------|--------------|
| Tgt Ion: 77 | Resp: 681083 |
| Ion Ratio   | Lower Upper  |
| 77 100      |              |
| 182 24.2    | 4.6 44.6     |
| 105 21.1    | 1.4 41.4     |
| 51 34.7     | 13.7 53.7    |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.492 min Scan# 1581  
Delta R.T. 0.006 min  
Lab File: BF143248.D  
Acq: 25 Jul 2025 13:41

|             |              |
|-------------|--------------|
| Tgt Ion:188 | Resp: 387322 |
| Ion Ratio   | Lower Upper  |
| 188 100     |              |
| 94 9.8      | 8.3 12.5     |
| 80 10.5     | 9.0 13.6     |

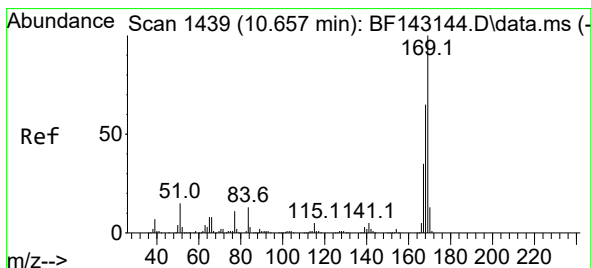
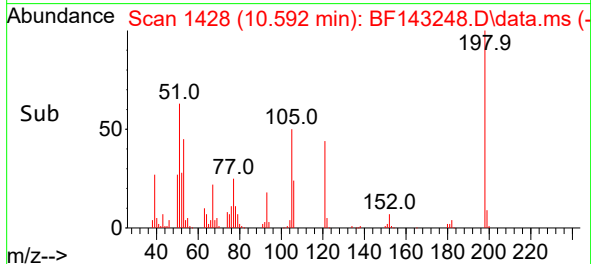
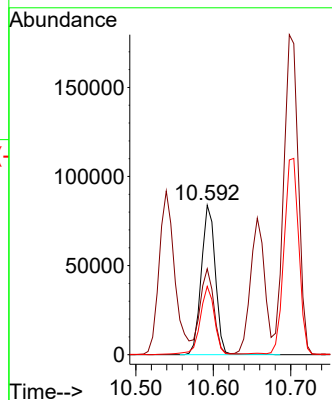
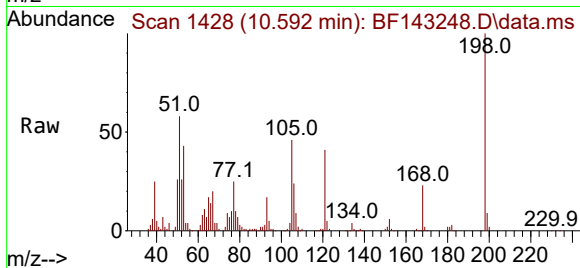




#65  
4,6-Dinitro-2-methylphenol  
Concen: 51.539 ng  
RT: 10.592 min Scan# 1428  
Delta R.T. 0.006 min  
Lab File: BF143248.D  
Acq: 25 Jul 2025 13:41

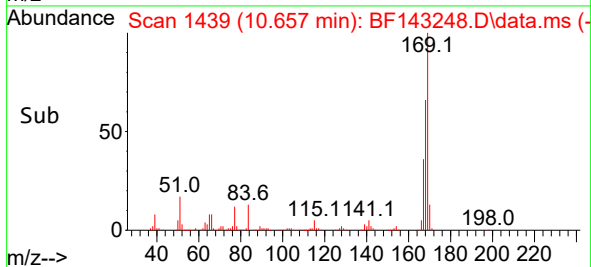
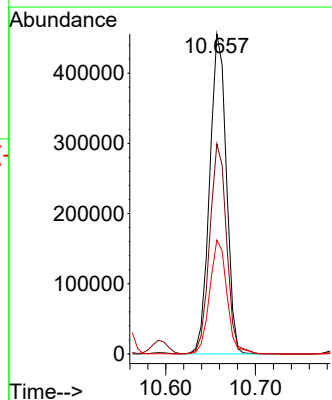
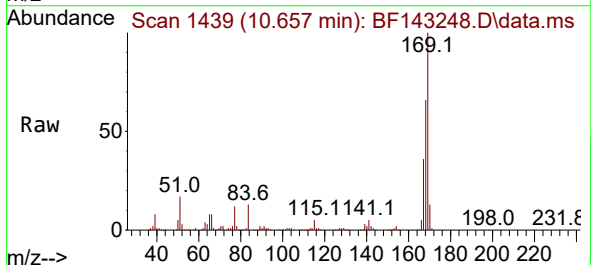
Instrument :  
BNA\_F  
ClientSampleId :  
PB169004BS

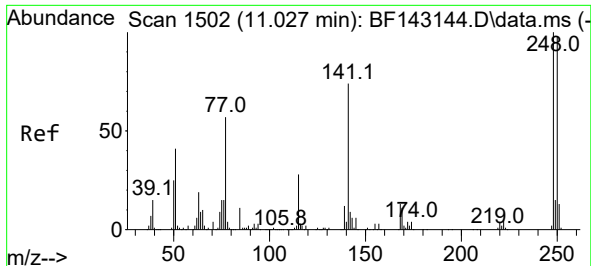
Tgt Ion:198 Resp: 105562  
Ion Ratio Lower Upper  
198 100  
51 57.5 37.2 77.2  
105 45.7 24.8 64.8



#66  
n-Nitrosodiphenylamine  
Concen: 43.019 ng  
RT: 10.657 min Scan# 1439  
Delta R.T. 0.000 min  
Lab File: BF143248.D  
Acq: 25 Jul 2025 13:41

Tgt Ion:169 Resp: 586723  
Ion Ratio Lower Upper  
169 100  
168 65.7 52.1 78.1  
167 35.6 28.2 42.2

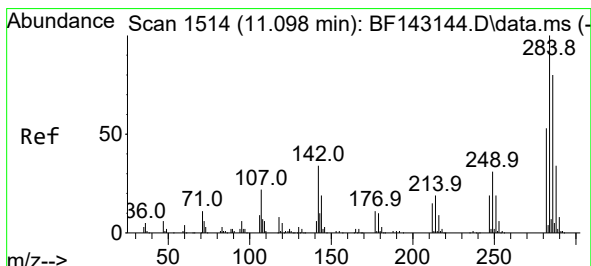
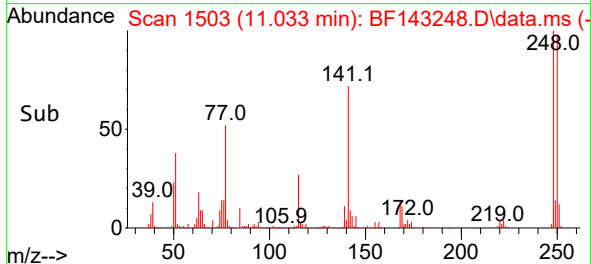
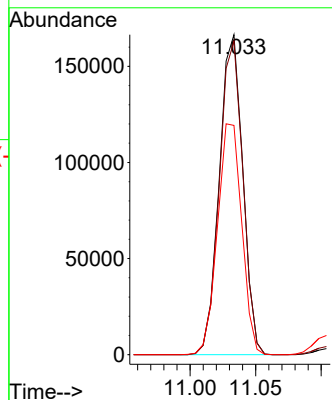
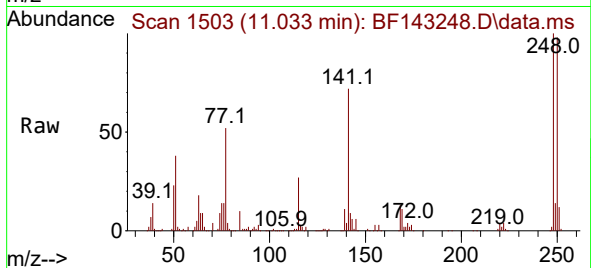




#67  
4-Bromophenyl-phenylether  
Concen: 44.936 ng  
RT: 11.033 min Scan# 1503  
Delta R.T. 0.006 min  
Lab File: BF143248.D  
Acq: 25 Jul 2025 13:41

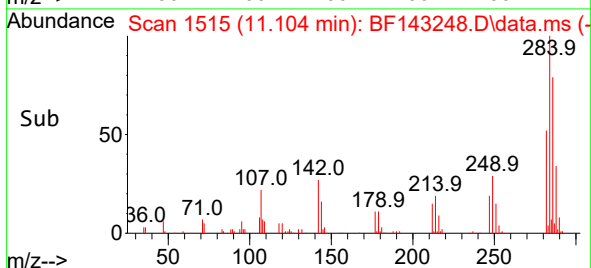
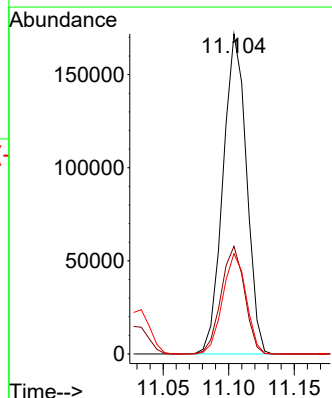
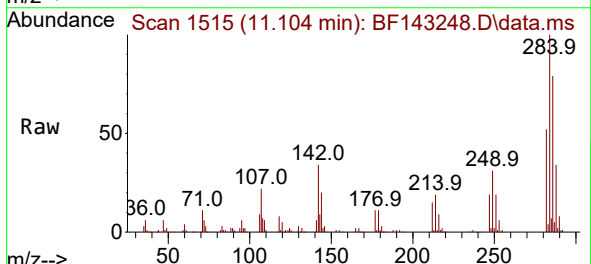
Instrument :  
BNA\_F  
ClientSampleId :  
PB169004BS

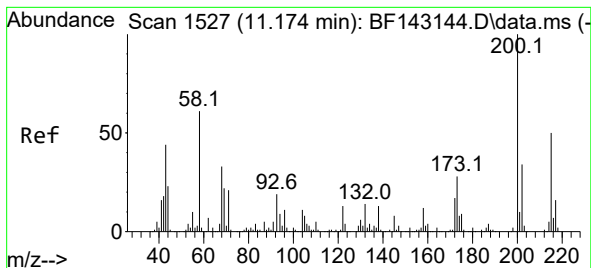
Tgt Ion:248 Resp: 207418  
Ion Ratio Lower Upper  
248 100  
250 98.0 78.3 117.5  
141 71.7 59.2 88.8



#68  
Hexachlorobenzene  
Concen: 44.402 ng  
RT: 11.104 min Scan# 1515  
Delta R.T. 0.006 min  
Lab File: BF143248.D  
Acq: 25 Jul 2025 13:41

Tgt Ion:284 Resp: 214218  
Ion Ratio Lower Upper  
284 100  
142 33.7 27.0 40.6  
249 31.3 25.0 37.6





#69

Atrazine

Concen: 49.966 ng

RT: 11.180 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF143248.D

Acq: 25 Jul 2025 13:41

Instrument :

BNA\_F

ClientSampleId :

PB169004BS

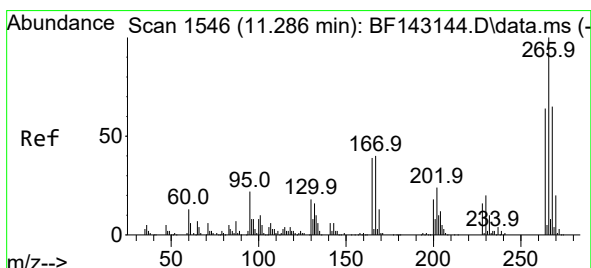
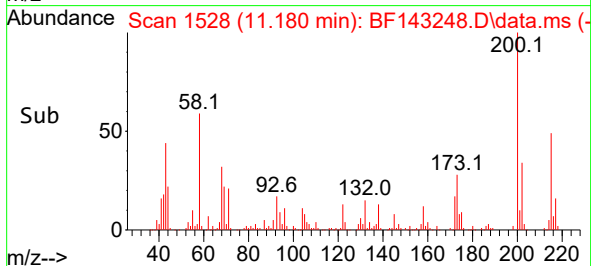
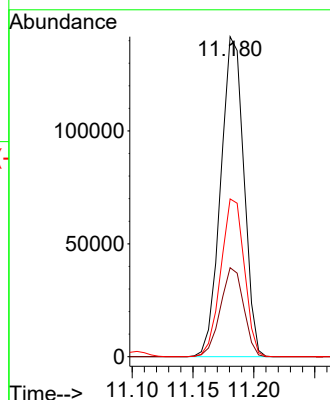
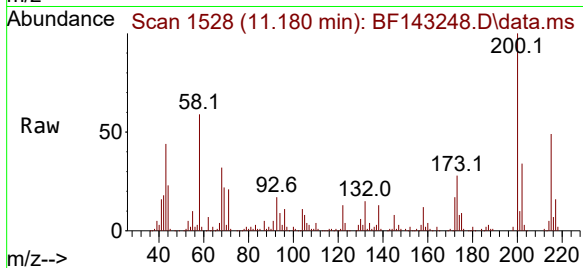
Tgt Ion:200 Resp: 187877

Ion Ratio Lower Upper

200 100

173 27.8 7.9 47.9

215 49.3 30.1 70.1



#70

Pentachlorophenol

Concen: 85.689 ng

RT: 11.298 min Scan# 1548

Delta R.T. 0.012 min

Lab File: BF143248.D

Acq: 25 Jul 2025 13:41

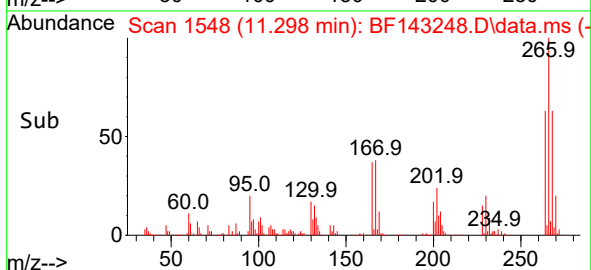
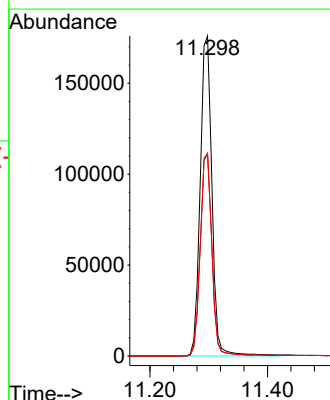
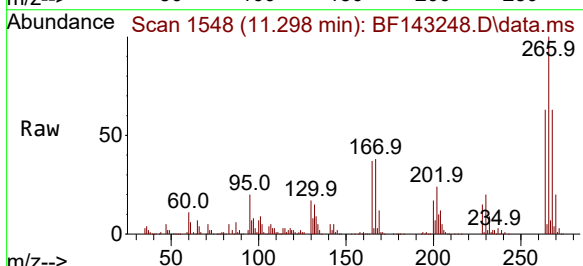
Tgt Ion:266 Resp: 243119

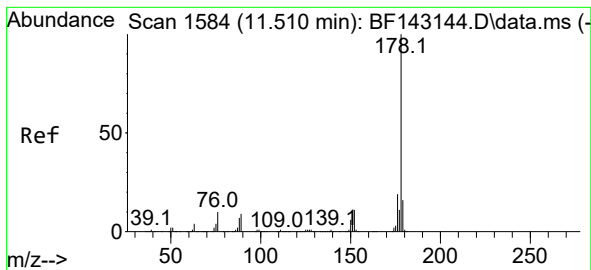
Ion Ratio Lower Upper

266 100

268 63.3 51.9 77.9

264 63.2 51.0 76.6





#71

Phenanthrene

Concen: 44.066 ng

RT: 11.516 min Scan# 1584

Delta R.T. 0.006 min

Lab File: BF143248.D

Acq: 25 Jul 2025 13:41

Instrument :

BNA\_F

ClientSampleId :

PB169004BS

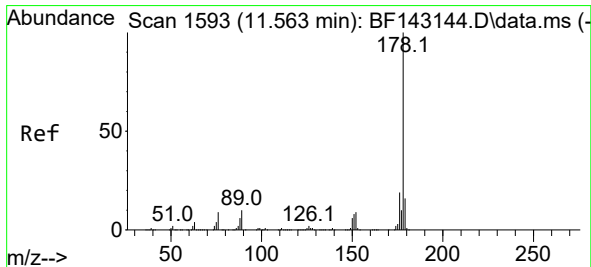
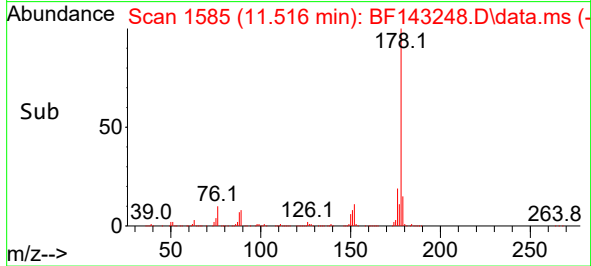
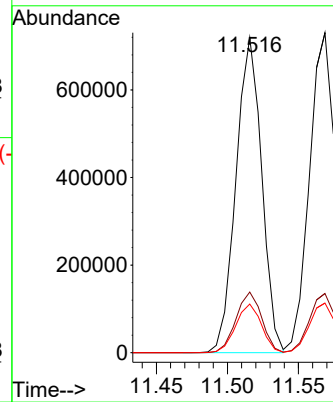
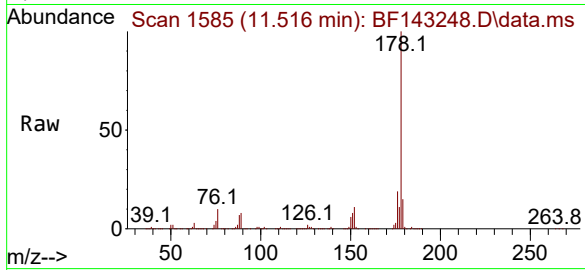
Tgt Ion:178 Resp: 906241

Ion Ratio Lower Upper

178 100

176 19.2 15.3 22.9

179 15.5 12.5 18.7



#72

Anthracene

Concen: 44.204 ng

RT: 11.569 min Scan# 1594

Delta R.T. 0.006 min

Lab File: BF143248.D

Acq: 25 Jul 2025 13:41

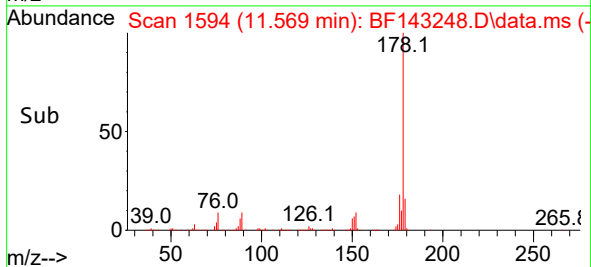
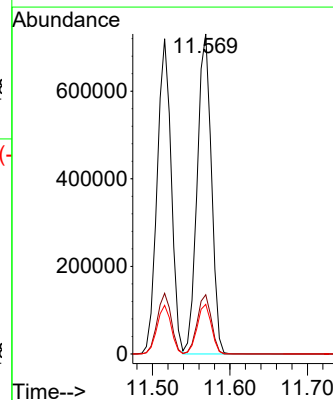
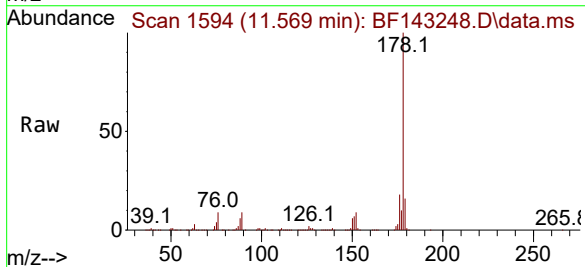
Tgt Ion:178 Resp: 927155

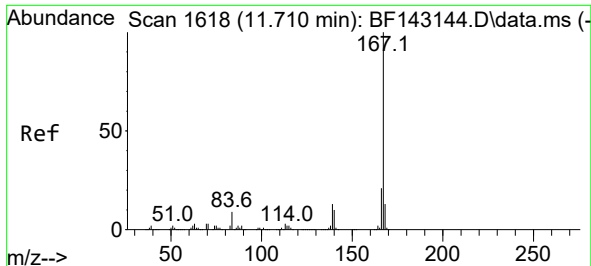
Ion Ratio Lower Upper

178 100

176 18.5 15.0 22.4

179 15.5 12.5 18.7

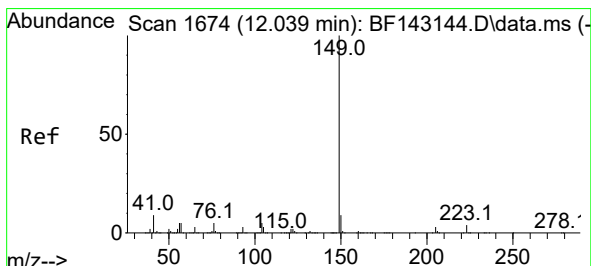
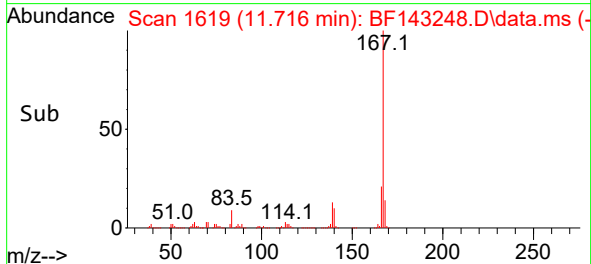
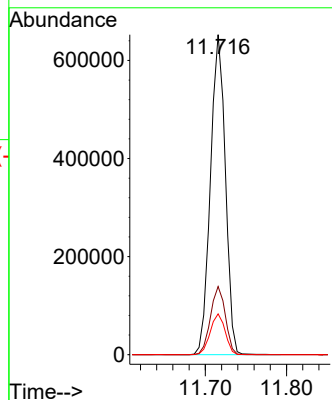
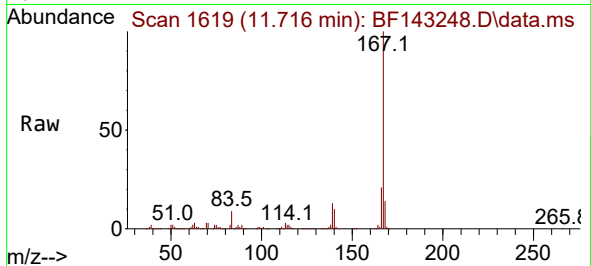




#73  
Carbazole  
Concen: 45.430 ng  
RT: 11.716 min Scan# 1  
Delta R.T. 0.006 min  
Lab File: BF143248.D  
Acq: 25 Jul 2025 13:41

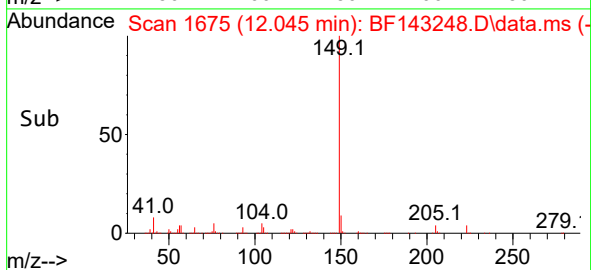
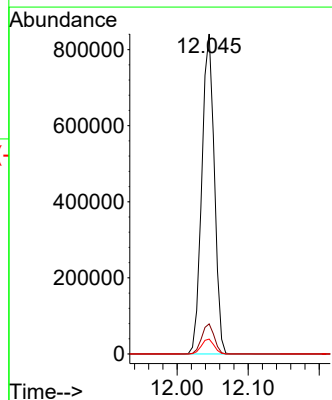
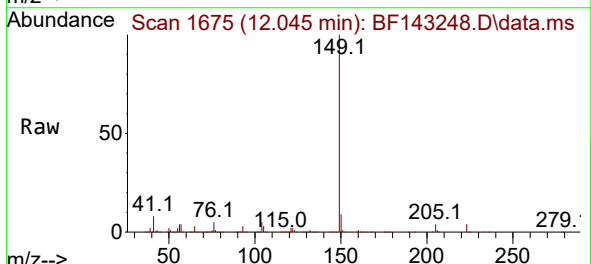
Instrument :  
BNA\_F  
ClientSampleId :  
PB169004BS

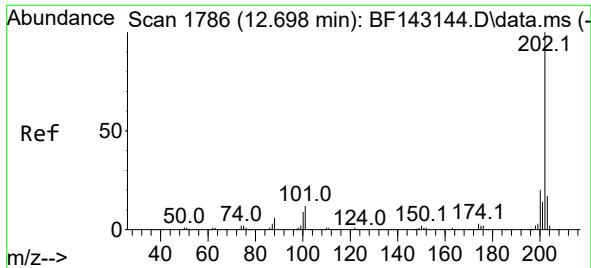
Tgt Ion:167 Resp: 832040  
Ion Ratio Lower Upper  
167 100  
166 21.3 17.0 25.6  
139 12.7 10.0 15.0



#74  
Di-n-butylphthalate  
Concen: 49.809 ng  
RT: 12.045 min Scan# 1675  
Delta R.T. 0.006 min  
Lab File: BF143248.D  
Acq: 25 Jul 2025 13:41

Tgt Ion:149 Resp: 1032214  
Ion Ratio Lower Upper  
149 100  
150 9.4 7.4 11.2  
104 4.6 3.8 5.8

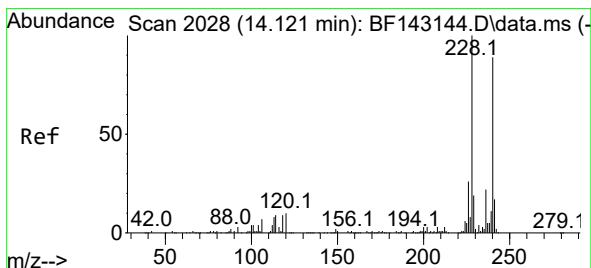
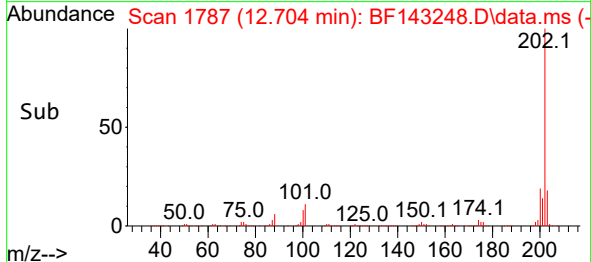
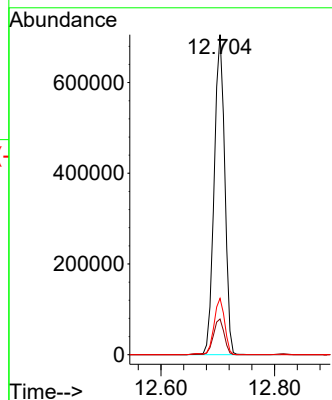
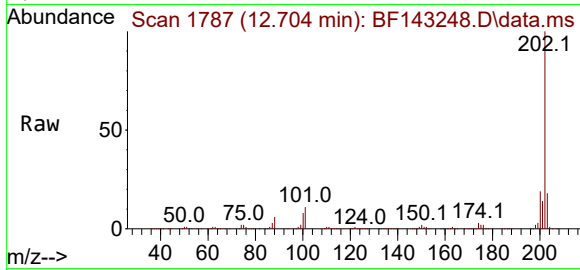




#75  
Fluoranthene  
Concen: 48.100 ng  
RT: 12.704 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF143248.D  
Acq: 25 Jul 2025 13:41

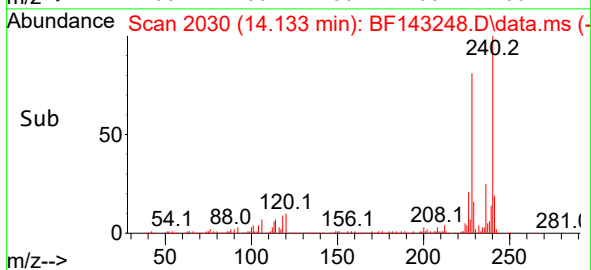
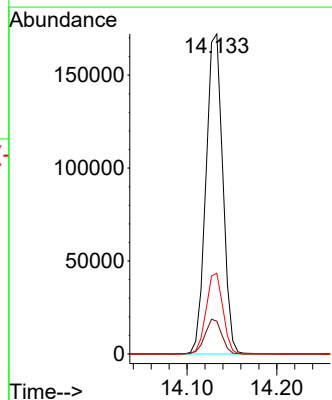
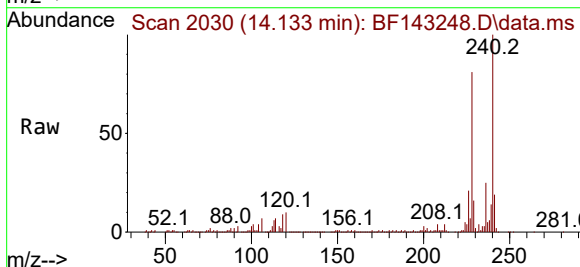
Instrument :  
BNA\_F  
ClientSampleId :  
PB169004BS

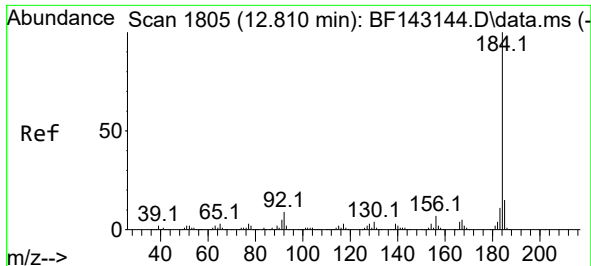
Tgt Ion:202 Resp: 907955  
Ion Ratio Lower Upper  
202 100  
101 11.2 0.0 31.7  
203 17.6 0.0 37.4



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.133 min Scan# 2030  
Delta R.T. 0.012 min  
Lab File: BF143248.D  
Acq: 25 Jul 2025 13:41

Tgt Ion:240 Resp: 224147  
Ion Ratio Lower Upper  
240 100  
120 10.2 9.4 14.2  
236 25.2 20.2 30.4

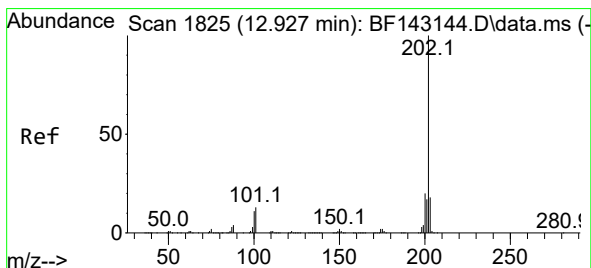
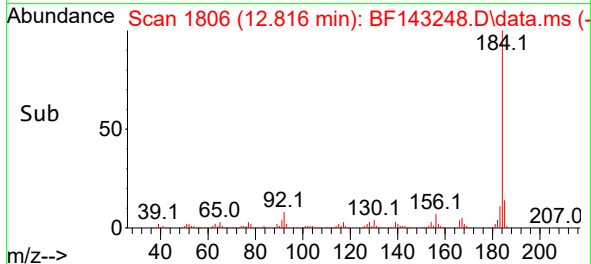
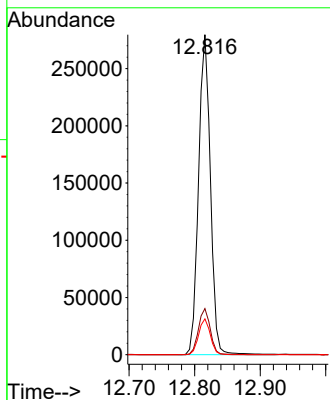
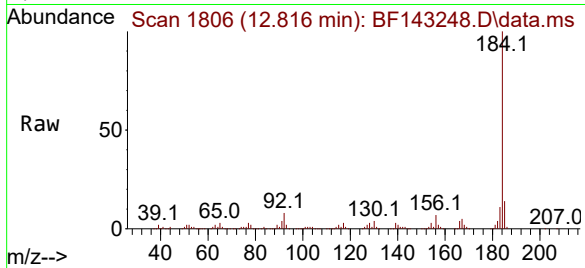




#77  
Benzidine  
Concen: 40.803 ng  
RT: 12.816 min Scan# 1806  
Delta R.T. 0.006 min  
Lab File: BF143248.D  
Acq: 25 Jul 2025 13:41

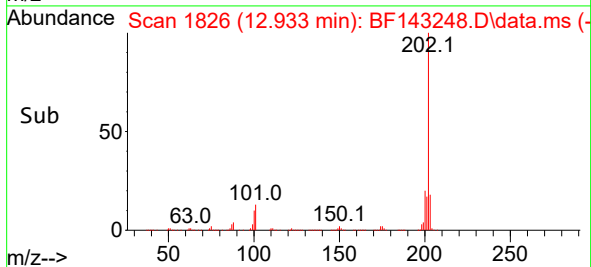
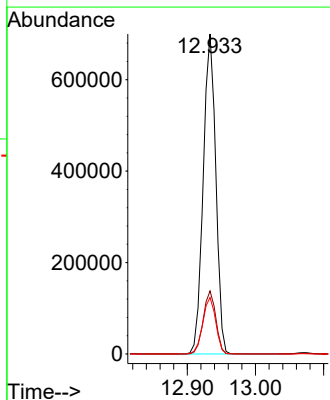
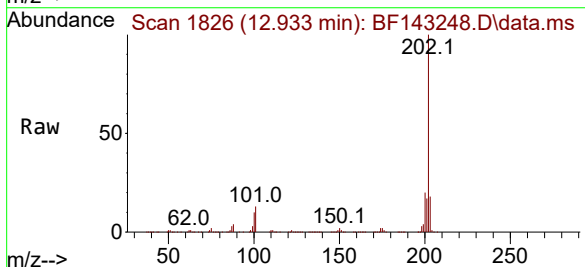
Instrument :  
BNA\_F  
ClientSampleId :  
PB169004BS

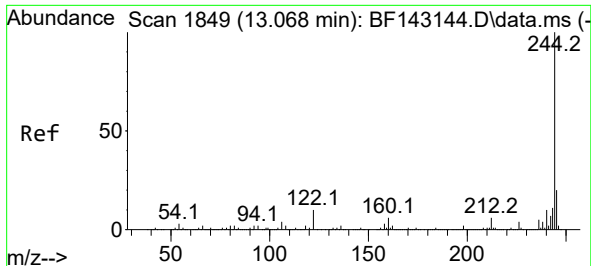
Tgt Ion:184 Resp: 352363  
Ion Ratio Lower Upper  
184 100  
185 14.4 12.2 18.4  
183 11.2 9.0 13.4



#78  
Pyrene  
Concen: 46.976 ng  
RT: 12.933 min Scan# 1826  
Delta R.T. 0.006 min  
Lab File: BF143248.D  
Acq: 25 Jul 2025 13:41

Tgt Ion:202 Resp: 898645  
Ion Ratio Lower Upper  
202 100  
200 19.7 15.7 23.5  
203 17.7 14.2 21.2

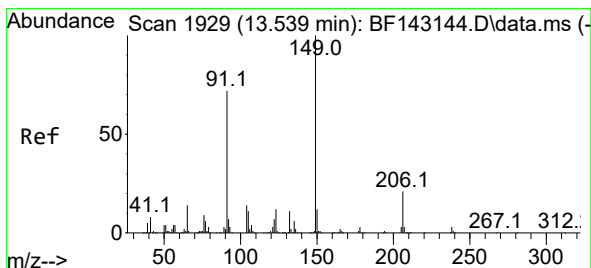
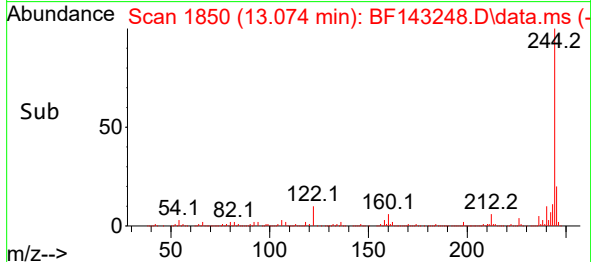
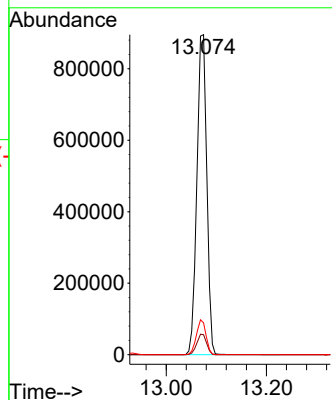
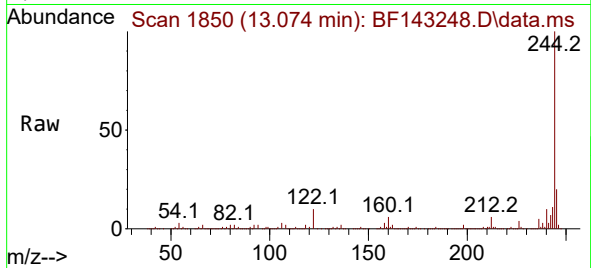




#79  
 Terphenyl-d14  
 Concen: 81.203 ng  
 RT: 13.074 min Scan# 1849  
 Delta R.T. 0.006 min  
 Lab File: BF143248.D  
 Acq: 25 Jul 2025 13:41

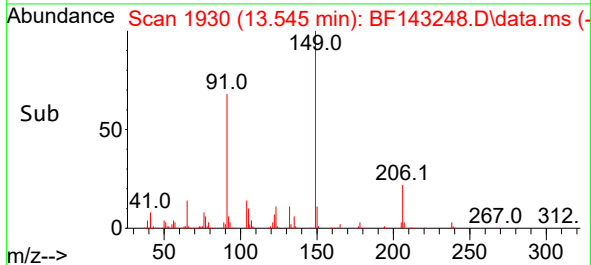
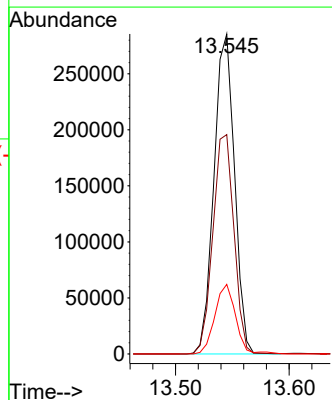
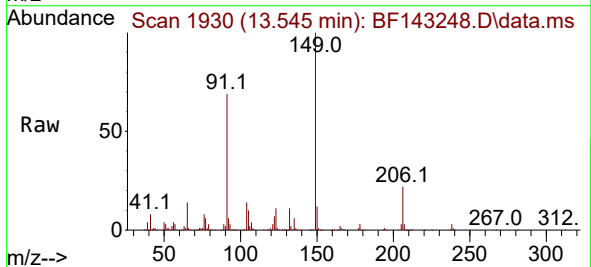
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB169004BS

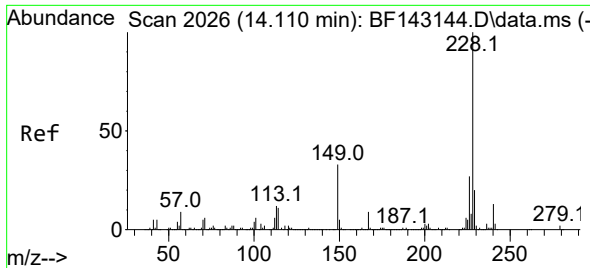
Tgt Ion:244 Resp: 1223131  
 Ion Ratio Lower Upper  
 244 100  
 212 6.2 5.2 7.8  
 122 9.9 8.2 12.2



#80  
 Butylbenzylphthalate  
 Concen: 61.336 ng  
 RT: 13.545 min Scan# 1930  
 Delta R.T. 0.006 min  
 Lab File: BF143248.D  
 Acq: 25 Jul 2025 13:41

Tgt Ion:149 Resp: 359293  
 Ion Ratio Lower Upper  
 149 100  
 91 68.5 57.9 86.9  
 206 21.7 17.0 25.4

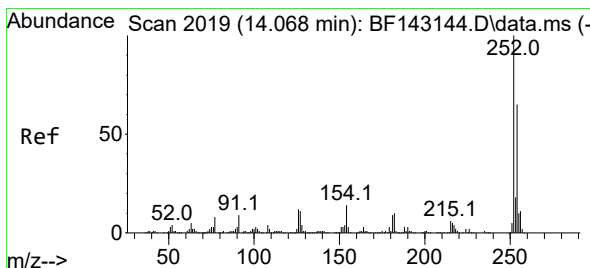
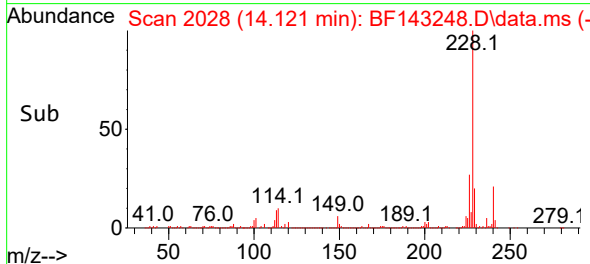
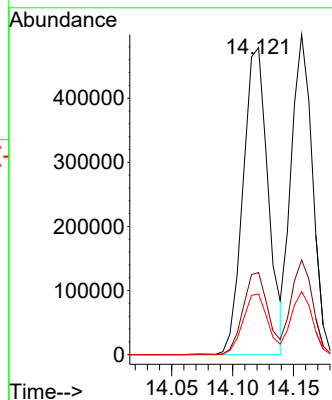
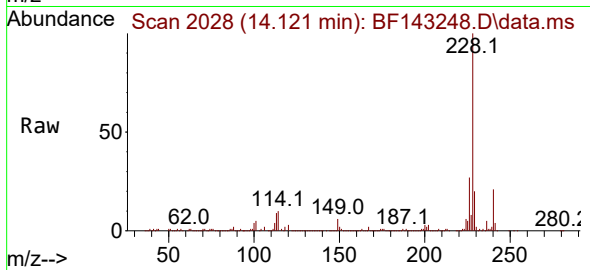




#81  
Benzo(a)anthracene  
Concen: 45.799 ng  
RT: 14.121 min Scan# 2026  
Delta R.T. 0.012 min  
Lab File: BF143248.D  
Acq: 25 Jul 2025 13:41

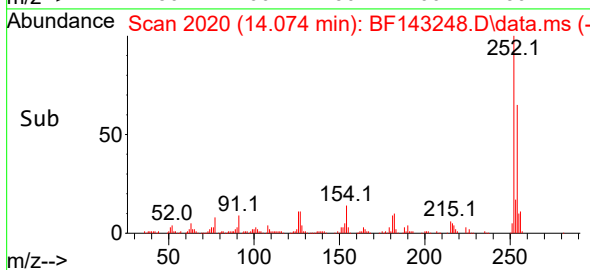
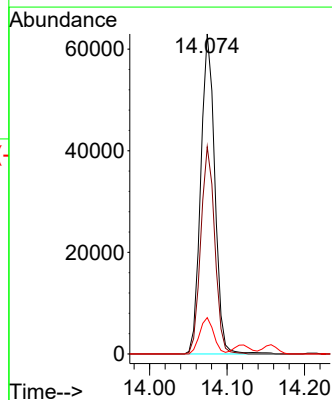
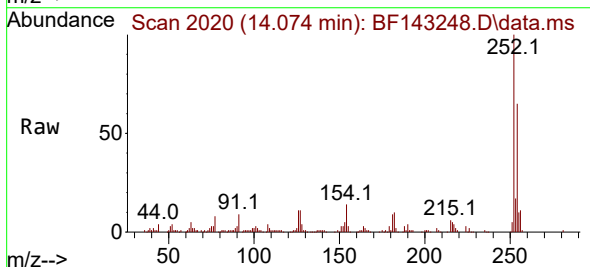
Instrument :  
BNA\_F  
ClientSampleId :  
PB169004BS

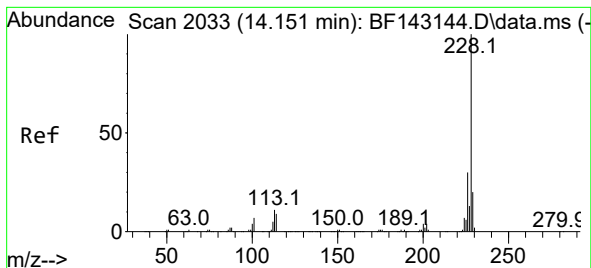
Tgt Ion:228 Resp: 687297  
Ion Ratio Lower Upper  
228 100  
226 26.7 21.7 32.5  
229 19.7 15.8 23.6



#82  
3,3'-Dichlorobenzidine  
Concen: 15.868 ng  
RT: 14.074 min Scan# 2020  
Delta R.T. 0.006 min  
Lab File: BF143248.D  
Acq: 25 Jul 2025 13:41

Tgt Ion:252 Resp: 79367  
Ion Ratio Lower Upper  
252 100  
254 64.8 51.7 77.5  
126 11.4 9.4 14.0





#83

Chrysene

Concen: 45.060 ng

RT: 14.157 min Scan# 2033

Delta R.T. 0.006 min

Lab File: BF143248.D

Acq: 25 Jul 2025 13:41

Instrument :

BNA\_F

ClientSampleId :

PB169004BS

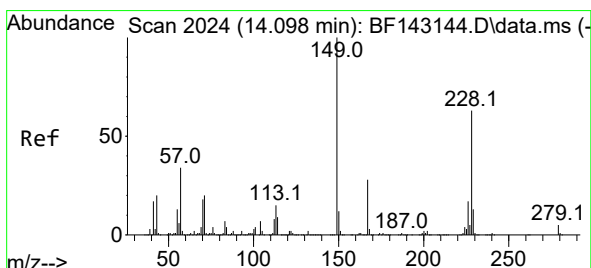
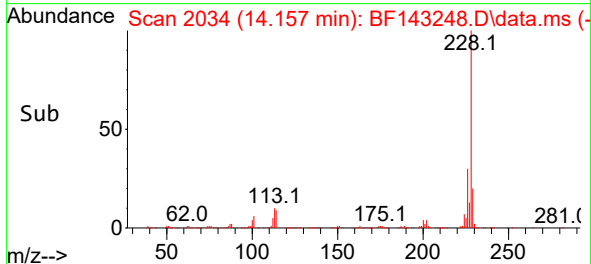
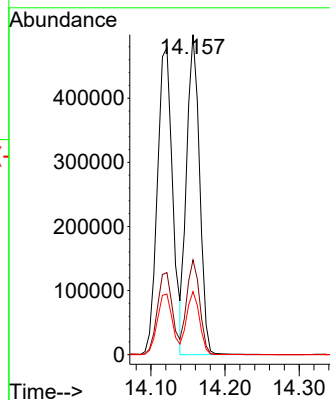
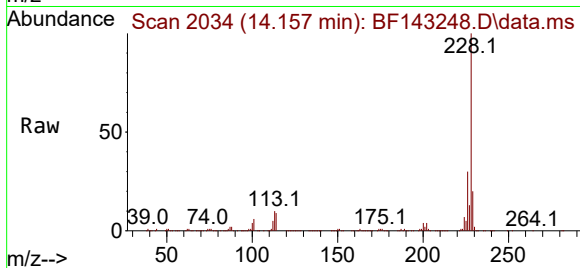
Tgt Ion:228 Resp: 607969

Ion Ratio Lower Upper

228 100

226 29.6 23.8 35.8

229 19.7 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 52.732 ng

RT: 14.104 min Scan# 2025

Delta R.T. 0.006 min

Lab File: BF143248.D

Acq: 25 Jul 2025 13:41

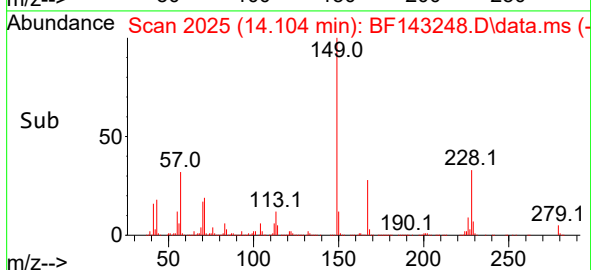
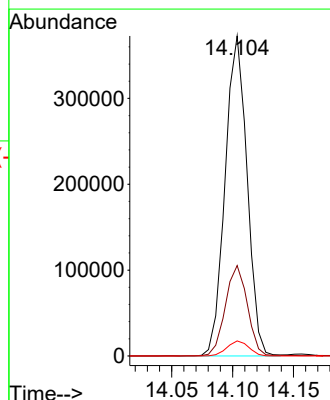
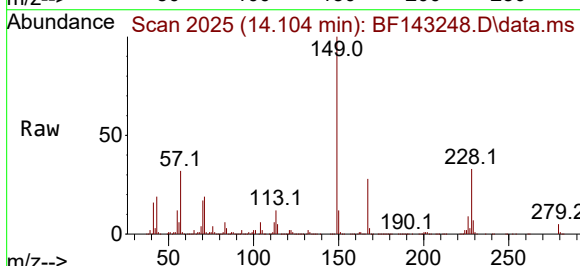
Tgt Ion:149 Resp: 467541

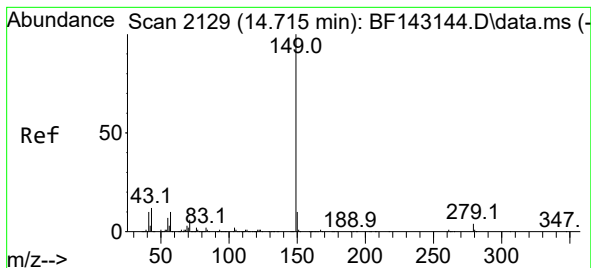
Ion Ratio Lower Upper

149 100

167 28.3 22.3 33.5

279 4.7 3.6 5.4





#85

Di-n-octyl phthalate

Concen: 45.178 ng

RT: 14.721 min Scan# 2129

Delta R.T. 0.006 min

Lab File: BF143248.D

Acq: 25 Jul 2025 13:41

Instrument :

BNA\_F

ClientSampleId :

PB169004BS

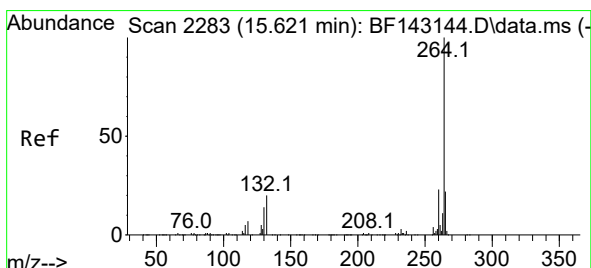
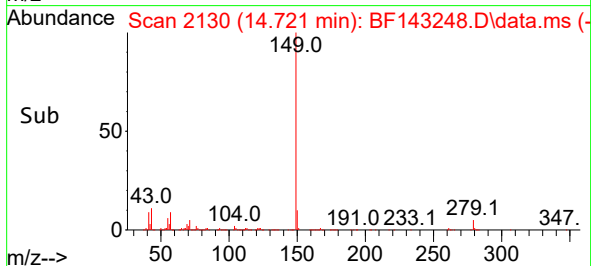
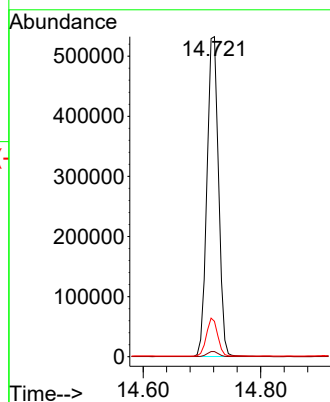
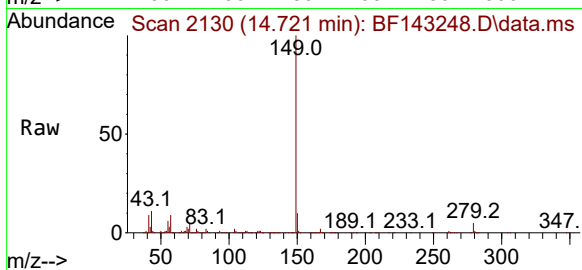
Tgt Ion:149 Resp: 726075

Ion Ratio Lower Upper

149 100

167 1.5 1.1 1.7

43 11.5 9.7 14.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.633 min Scan# 2285

Delta R.T. 0.012 min

Lab File: BF143248.D

Acq: 25 Jul 2025 13:41

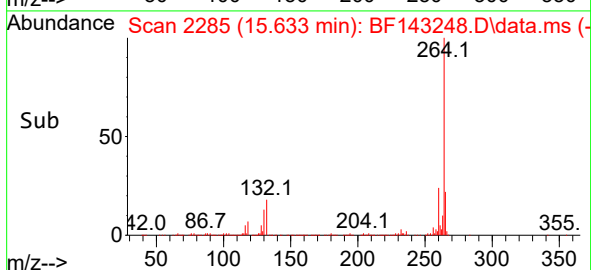
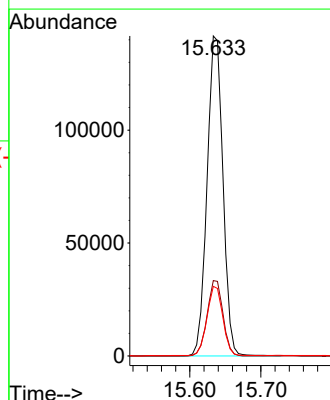
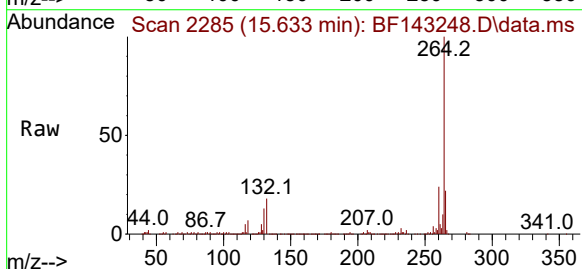
Tgt Ion:264 Resp: 220726

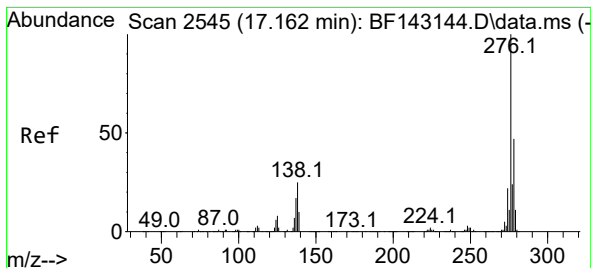
Ion Ratio Lower Upper

264 100

260 23.6 18.5 27.7

265 21.7 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 46.987 ng

RT: 17.186 min Scan# 2110

Delta R.T. 0.024 min

Lab File: BF143248.D

Acq: 25 Jul 2025 13:41

Instrument :

BNA\_F

ClientSampleId :

PB169004BS

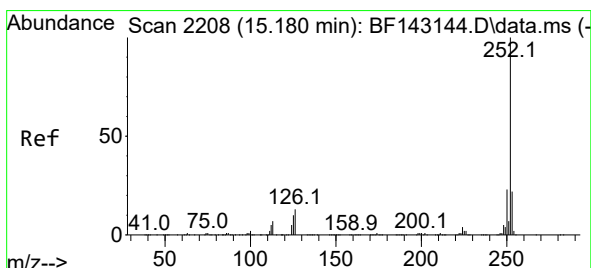
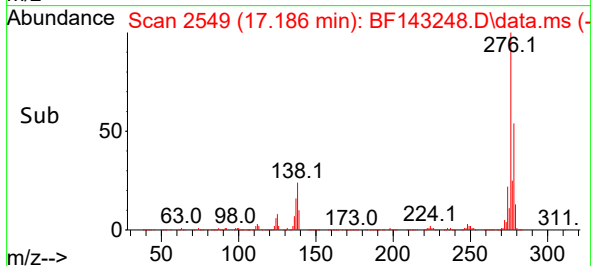
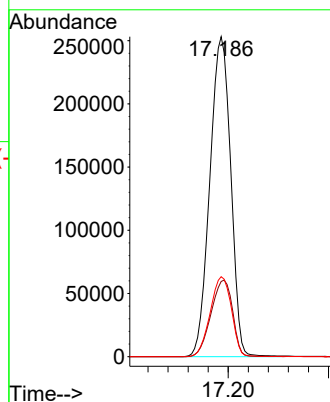
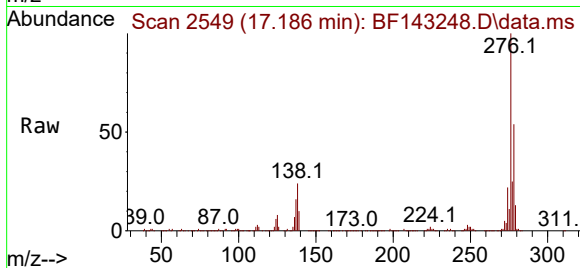
Tgt Ion:276 Resp: 731319

Ion Ratio Lower Upper

276 100

138 24.8 21.8 32.6

277 25.4 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 43.836 ng

RT: 15.192 min Scan# 2210

Delta R.T. 0.012 min

Lab File: BF143248.D

Acq: 25 Jul 2025 13:41

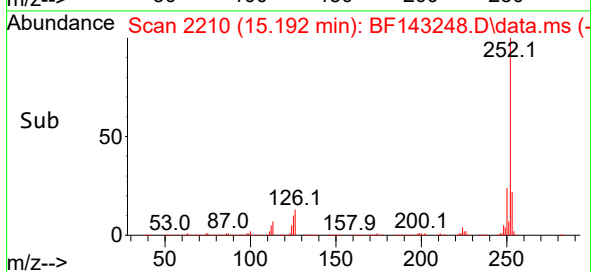
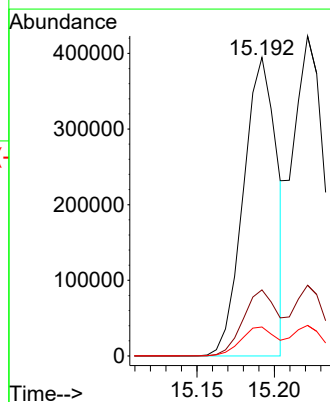
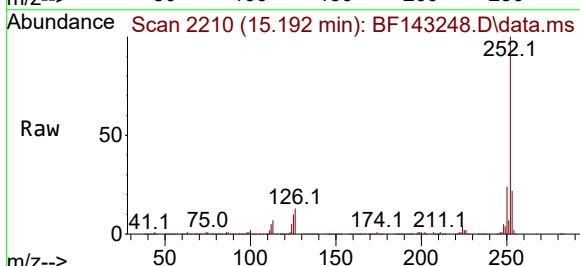
Tgt Ion:252 Resp: 591097

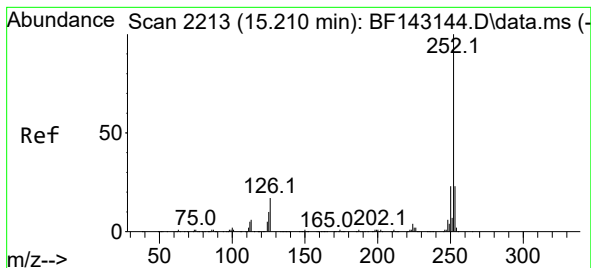
Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

125 9.7 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 49.542 ng

RT: 15.221 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF143248.D

Acq: 25 Jul 2025 13:41

Instrument :

BNA\_F

ClientSampleId :

PB169004BS

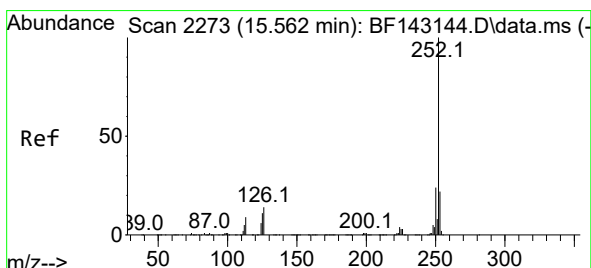
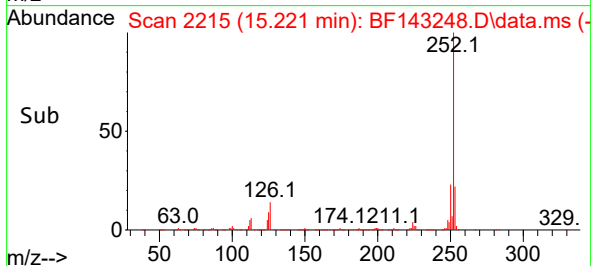
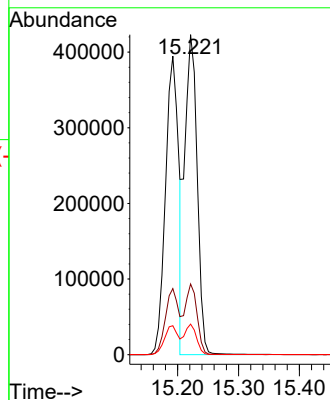
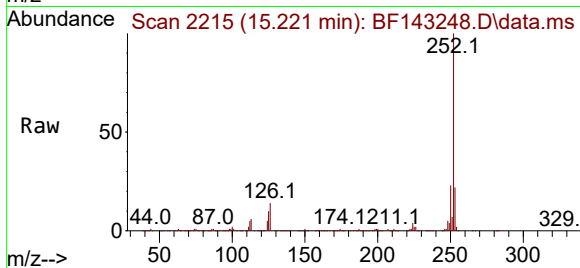
Tgt Ion:252 Resp: 596130

Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.6

125 9.5 8.1 12.1



#90

Benzo(a)pyrene

Concen: 46.975 ng

RT: 15.574 min Scan# 2275

Delta R.T. 0.012 min

Lab File: BF143248.D

Acq: 25 Jul 2025 13:41

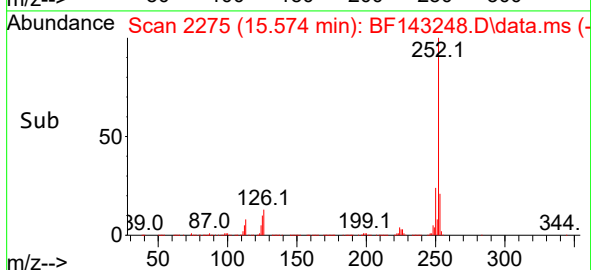
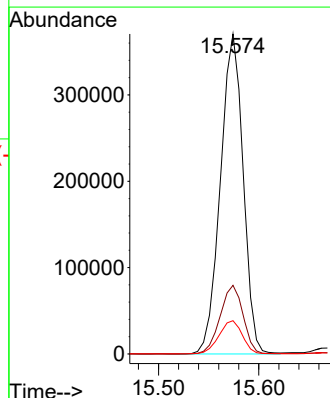
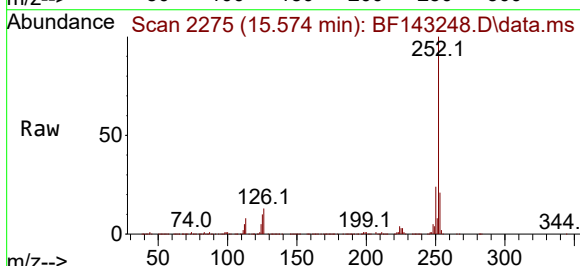
Tgt Ion:252 Resp: 583600

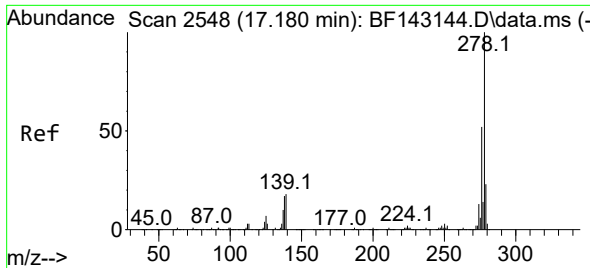
Ion Ratio Lower Upper

252 100

253 21.4 17.3 25.9

125 10.4 8.6 13.0

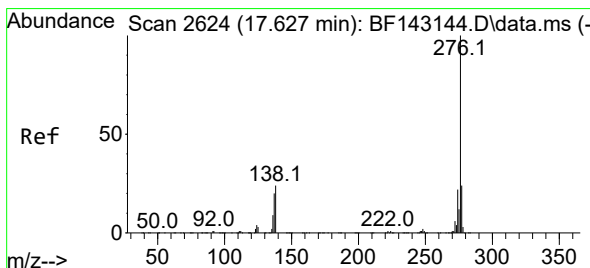
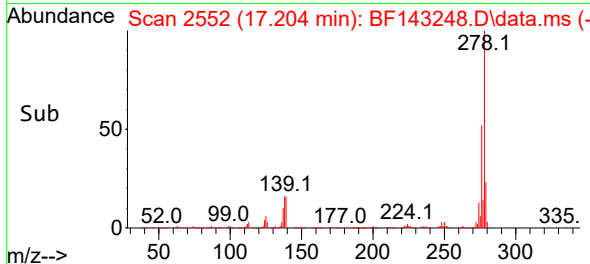
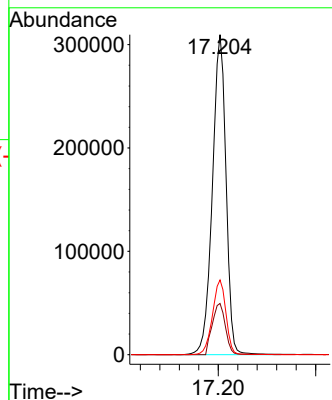
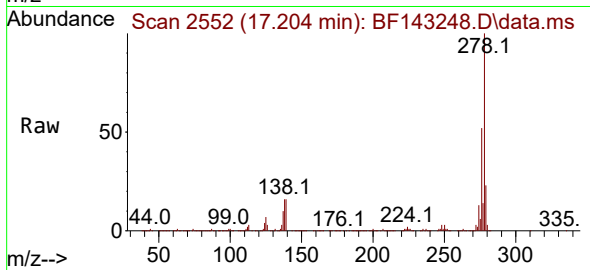




#91  
Dibenzo(a,h)anthracene  
Concen: 47.275 ng  
RT: 17.204 min Scan# 21  
Delta R.T. 0.024 min  
Lab File: BF143248.D  
Acq: 25 Jul 2025 13:41

Instrument :  
BNA\_F  
ClientSampleId :  
PB169004BS

Tgt Ion:278 Resp: 598885  
Ion Ratio Lower Upper  
278 100  
139 16.0 14.1 21.1  
279 23.4 18.6 28.0



#92  
Benzo(g,h,i)perylene  
Concen: 47.929 ng  
RT: 17.656 min Scan# 2629  
Delta R.T. 0.029 min  
Lab File: BF143248.D  
Acq: 25 Jul 2025 13:41

Tgt Ion:276 Resp: 587344  
Ion Ratio Lower Upper  
276 100  
277 23.4 19.1 28.7  
138 21.7 18.9 28.3

