

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF031825\  
 Data File : BF141993.D  
 Acq On : 18 Mar 2025 13:31  
 Operator : RC/JU  
 Sample : Q1568-04MSD  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 JC-03-03132025MSD

Manual Integrations  
 APPROVED

Reviewed By :Anahy Claudio 03/19/2025  
 Supervised By :mohammad ahmed 03/24/2025

Quant Time: Mar 18 14:02:31 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF031025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 10 15:46:22 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.881  | 152  | 138565   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.163  | 136  | 535417   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.916  | 164  | 298567   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.404 | 188  | 470466   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.039 | 240  | 320562   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.516 | 264  | 374866   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.510  | 112  | 1051904  | 126.698 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.510  | 99   | 1186613  | 112.253 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.440  | 82   | 919626   | 96.659  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.704 | 330  | 547526   | 144.553 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.234  | 172  | 1947912  | 99.221  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.986 | 244  | 1857933  | 85.689  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.840  | 88   | 146493   | 42.111  | ng    | # 83     |
| 3) Pyridine                   | 3.563  | 79   | 273215   | 32.018  | ng    | 97       |
| 4) n-Nitrosodimethylamine     | 3.487  | 42   | 164232   | 40.375  | ng    | 96       |
| 6) Aniline                    | 6.546  | 93   | 135605   | 13.004  | ng    | 99       |
| 8) 2-Chlorophenol             | 6.669  | 128  | 403907   | 43.864  | ng    | 98       |
| 9) Benzaldehyde               | 6.434  | 77   | 60077    | 10.162  | ng    | 97       |
| 10) Phenol                    | 6.522  | 94   | 399017   | 35.880  | ng    | 99       |
| 11) bis(2-Chloroethyl)ether   | 6.616  | 93   | 362129   | 43.366  | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 6.822  | 146  | 428325   | 43.086  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.898  | 146  | 435945   | 43.342  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.051  | 146  | 417522   | 44.071  | ng    | 98       |
| 15) Benzyl Alcohol            | 7.016  | 79   | 359681   | 42.088  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.151  | 45   | 400292   | 39.706  | ng    | 98       |
| 17) 2-Methylphenol            | 7.128  | 107  | 315654   | 43.114  | ng    | 99       |
| 18) Hexachloroethane          | 7.393  | 117  | 161459   | 42.807  | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 7.293  | 70   | 275937   | 40.624  | ng    | 99       |
| 20) 3+4-Methylphenols         | 7.281  | 107  | 394412   | 42.058  | ng    | # 83     |
| 22) Acetophenone              | 7.287  | 105  | 619784   | 48.338  | ng    | 98       |
| 24) Nitrobenzene              | 7.463  | 77   | 417210   | 44.111  | ng    | 98       |
| 25) Isophorone                | 7.698  | 82   | 758880   | 45.124  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.775  | 139  | 216360   | 46.608  | ng    | 99       |
| 27) 2,4-Dimethylphenol        | 7.810  | 122  | 349454   | 54.671  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.904  | 93   | 463580   | 43.949  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.016  | 162  | 355926   | 44.861  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.098  | 180  | 386209   | 44.171  | ng    | 99       |
| 31) Naphthalene               | 8.181  | 128  | 1188930  | 43.228  | ng    | 100      |
| 32) Benzoic acid              | 7.922  | 122  | 271645m  | 48.346  | ng    |          |
| 33) 4-Chloroaniline           | 8.228  | 127  | 52746    | 5.433   | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.298  | 225  | 257669   | 45.189  | ng    | 100      |
| 35) Caprolactam               | 8.592  | 113  | 91819m   | 37.960  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.710  | 107  | 379366   | 42.865  | ng    | 98       |
| 37) 2-Methylnaphthalene       | 8.875  | 142  | 784913   | 42.696  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.969  | 142  | 760948   | 42.894  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.039  | 216  | 466352   | 51.303  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.028  | 237  | 552351   | 155.263 | ng    | 100      |
| 43) 2,4,6-Trichlorophenol     | 9.151  | 196  | 271244   | 45.658  | ng    | 99       |

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Instrument :  
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Manual Integrations  
 APPROVED

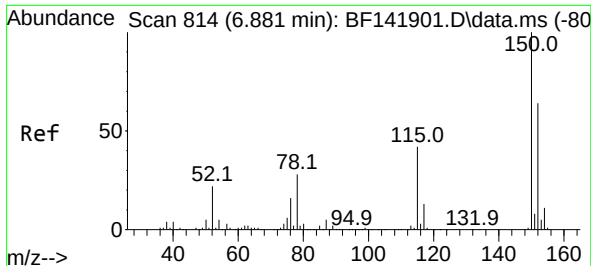
Reviewed By :Anahy Claudio 03/19/2025  
 Supervised By :mohammad ahmed 03/24/2025

Quant Time: Mar 18 14:02:31 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF031025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.192  | 196  | 281314   | 46.754 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 9.334  | 154  | 1147658  | 50.590 | ng    | 100      |
| 47) 2-Chloronaphthalene       | 9.363  | 162  | 776730   | 45.937 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.457  | 65   | 217153   | 44.355 | ng    | 96       |
| 49) Acenaphthylene            | 9.781  | 152  | 1197410  | 47.721 | ng    | 99       |
| 50) Dimethylphthalate         | 9.634  | 163  | 924934   | 44.238 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.698  | 165  | 198413   | 45.578 | ng    | 93       |
| 52) Acenaphthene              | 9.951  | 154  | 893147   | 50.651 | ng    | 99       |
| 53) 3-Nitroaniline            | 9.863  | 138  | 53697    | 12.160 | ng    | 97       |
| 54) 2,4-Dinitrophenol         | 9.975  | 184  | 231559   | 92.501 | ng    | # 45     |
| 55) Dibenzofuran              | 10.122 | 168  | 1090329  | 43.274 | ng    | 99       |
| 56) 4-Nitrophenol             | 10.022 | 139  | 263665   | 79.177 | ng    | 97       |
| 57) 2,4-Dinitrotoluene        | 10.098 | 165  | 267316   | 47.015 | ng    | 99       |
| 58) Fluorene                  | 10.463 | 166  | 861532   | 44.339 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.239 | 232  | 242183   | 44.233 | ng    | 98       |
| 60) Diethylphthalate          | 10.334 | 149  | 894203   | 42.892 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.457 | 204  | 454829   | 44.899 | ng    | 97       |
| 62) 4-Nitroaniline            | 10.481 | 138  | 162752   | 37.858 | ng    | 98       |
| 63) Azobenzene                | 10.616 | 77   | 807900   | 41.682 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 10.510 | 198  | 139678   | 49.802 | ng    | 95       |
| 66) n-Nitrosodiphenylamine    | 10.575 | 169  | 729426   | 47.911 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 10.945 | 248  | 283205   | 47.932 | ng    | 99       |
| 68) Hexachlorobenzene         | 11.010 | 284  | 324295   | 50.043 | ng    | 98       |
| 69) Atrazine                  | 11.098 | 200  | 264785   | 56.733 | ng    | 99       |
| 70) Pentachlorophenol         | 11.204 | 266  | 376512   | 94.300 | ng    | 100      |
| 71) Phenanthrene              | 11.428 | 178  | 1184936  | 46.630 | ng    | 99       |
| 72) Anthracene                | 11.480 | 178  | 1202057  | 47.150 | ng    | 100      |
| 73) Carbazole                 | 11.633 | 167  | 944218   | 42.945 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.963 | 149  | 1246779  | 42.737 | ng    | 99       |
| 75) Fluoranthene              | 12.616 | 202  | 1106426  | 41.046 | ng    | 99       |
| 77) Benzidine                 | 12.733 | 184  | 68935    | 15.413 | ng    | 99       |
| 78) Pyrene                    | 12.845 | 202  | 1093026  | 39.418 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.457 | 149  | 433069   | 39.902 | ng    | 99       |
| 81) Benzo(a)anthracene        | 14.027 | 228  | 1010312  | 48.029 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.992 | 252  | 136983   | 22.534 | ng    | 99       |
| 83) Chrysene                  | 14.069 | 228  | 864000   | 45.312 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 14.016 | 149  | 624421   | 41.728 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.627 | 149  | 1106352  | 53.136 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.010 | 276  | 1247538  | 51.446 | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 15.080 | 252  | 1074570  | 41.826 | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 15.116 | 252  | 939725   | 42.742 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.451 | 252  | 967379   | 48.122 | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 17.027 | 278  | 1013729  | 50.667 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.462 | 276  | 927863   | 46.929 | ng    | 97       |

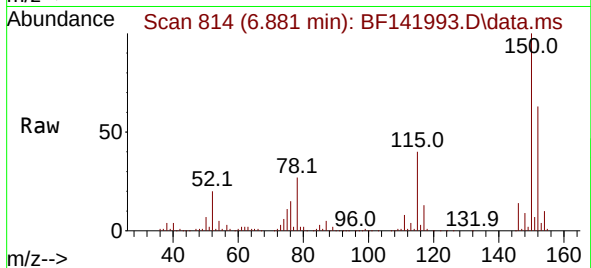
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.881 min Scan# 814  
Delta R.T. -0.000 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31

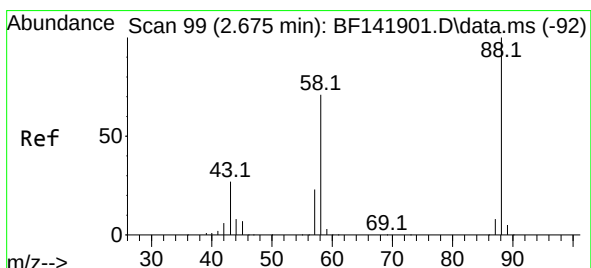
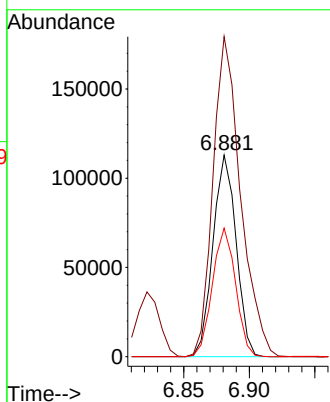
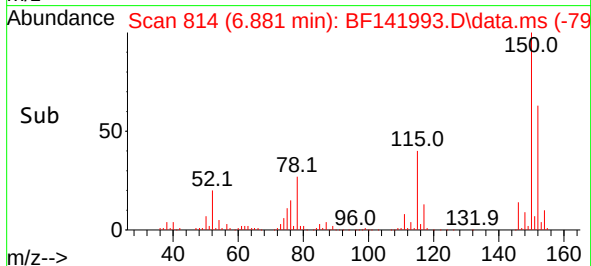
Instrument :  
BNA\_F  
ClientSampleId :  
JC-03-03132025MSD



Tgt Ion:152 Resp: 13856  
Ion Ratio Lower Upper  
152 100  
150 158.7 127.4 191.2  
115 63.7 51.9 77.9

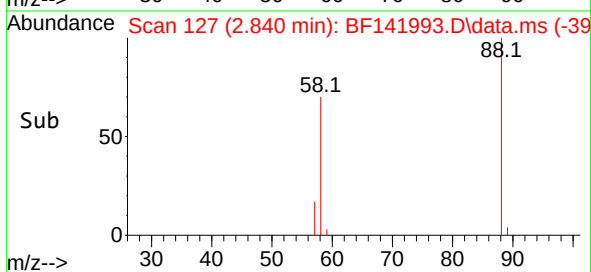
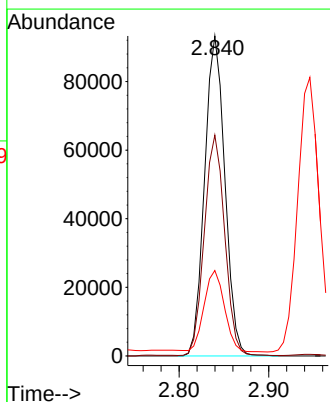
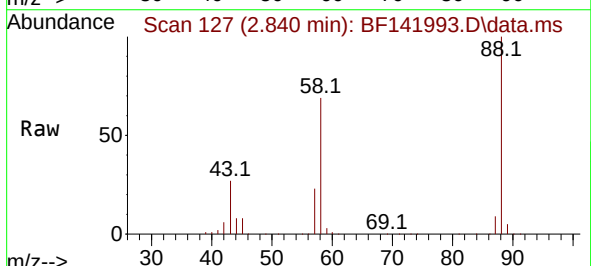
Manual Integrations  
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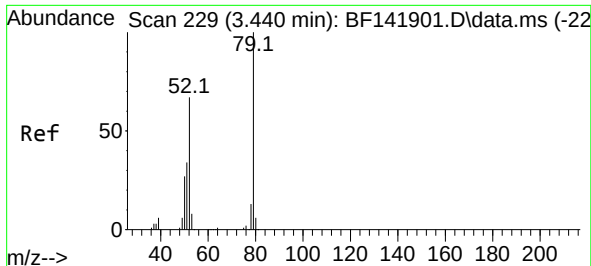
Reviewed By :Anahy Claudio 03/19/2025  
Supervised By :mohammad ahmed 03/24/2025



#2  
1,4-Dioxane  
Concen: 42.111 ng  
RT: 2.840 min Scan# 127  
Delta R.T. 0.165 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31

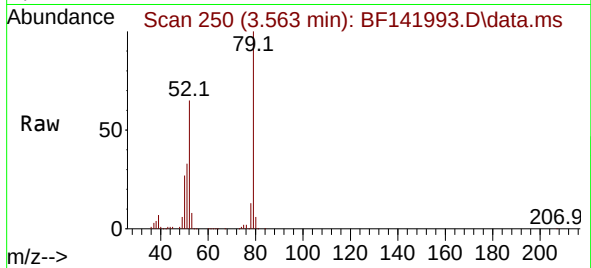
Tgt Ion: 88 Resp: 146493  
Ion Ratio Lower Upper  
88 100  
58 69.1 57.4 86.2  
43 0.0 21.5 32.3





#3  
Pyridine  
Concen: 32.018 ng  
RT: 3.563 min Scan# 21  
Delta R.T. 0.124 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31

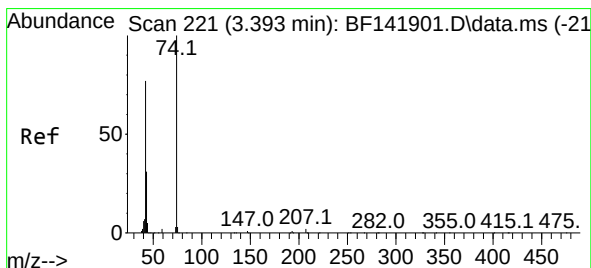
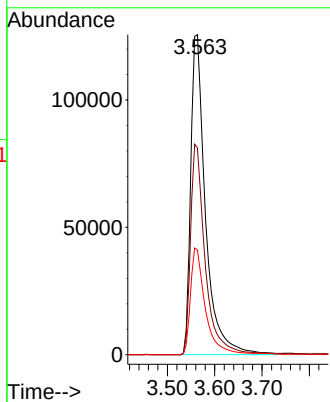
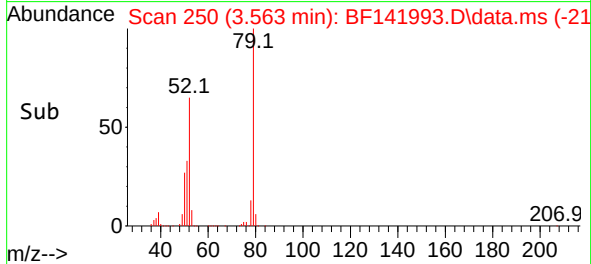
Instrument :  
BNA\_F  
ClientSampleId :  
JC-03-03132025MSD



Tgt Ion: 79 Resp: 273215  
Ion Ratio Lower Upper  
79 100  
52 64.6 53.3 79.9  
51 32.7 27.6 41.4

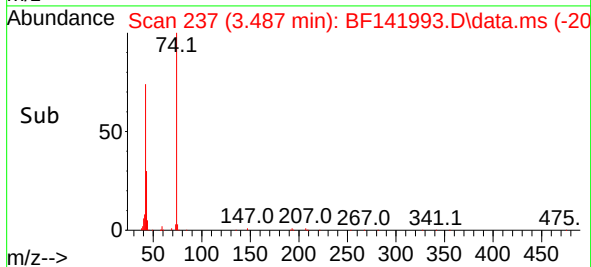
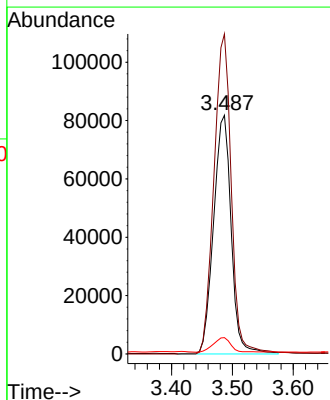
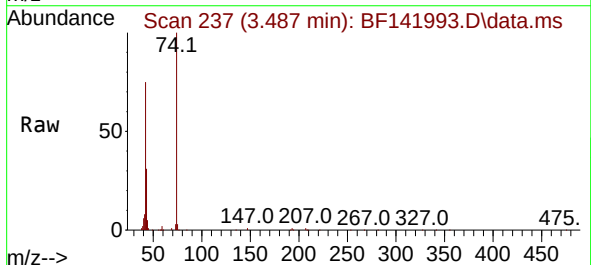
Manual Integrations  
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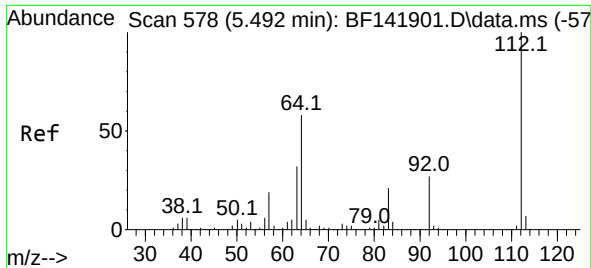
Reviewed By :Anahy Claudio 03/19/2025  
Supervised By :mohammad ahmed 03/24/2025



#4  
n-Nitrosodimethylamine  
Concen: 40.375 ng  
RT: 3.487 min Scan# 237  
Delta R.T. 0.094 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31

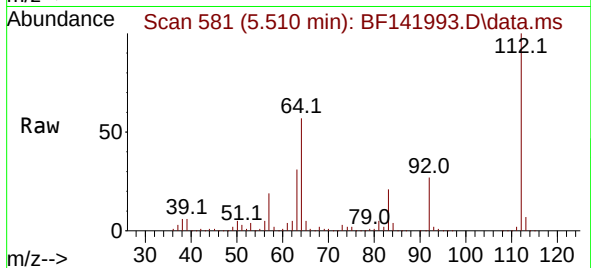
Tgt Ion: 42 Resp: 164232  
Ion Ratio Lower Upper  
42 100  
74 134.0 103.4 155.0  
44 6.9 5.0 7.4





#5  
2-Fluorophenol  
Concen: 126.698 ng  
RT: 5.510 min Scan# 581  
Delta R.T. 0.018 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31

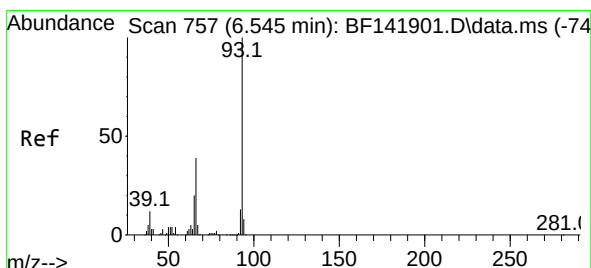
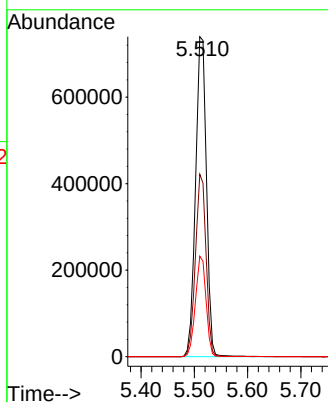
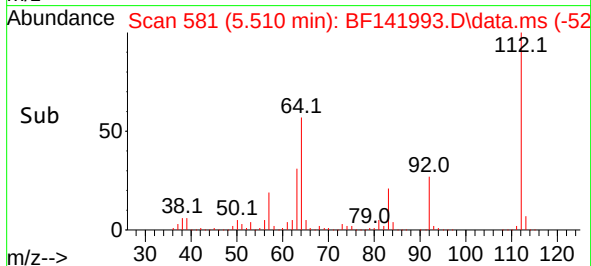
Instrument :  
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Tgt Ion: 112 Resp: 1051904  
Ion Ratio Lower Upper  
112 100  
64 57.0 46.5 69.7  
63 31.4 25.4 38.2

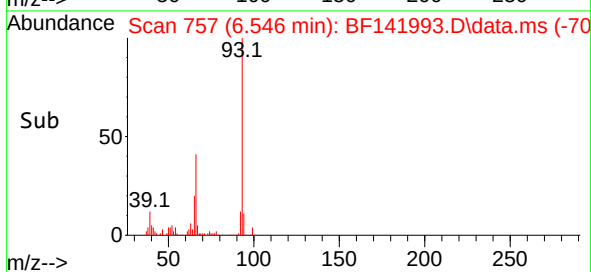
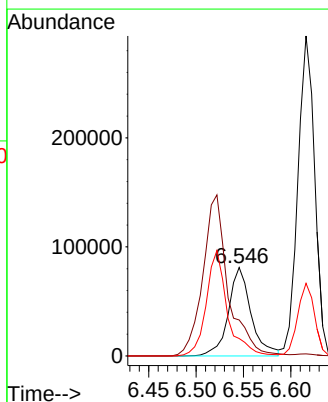
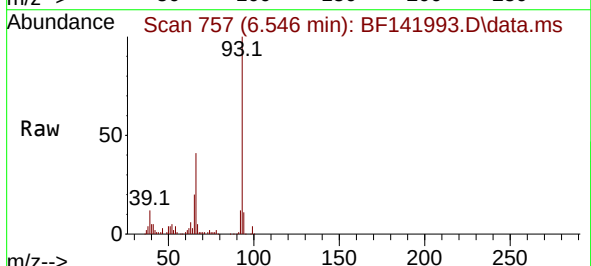
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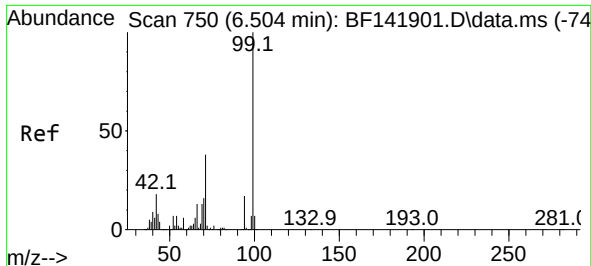
Reviewed By :Anahy Claudio 03/19/2025  
Supervised By :mohammad ahmed 03/24/2025



#6  
Aniline  
Concen: 13.004 ng  
RT: 6.546 min Scan# 757  
Delta R.T. 0.000 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31

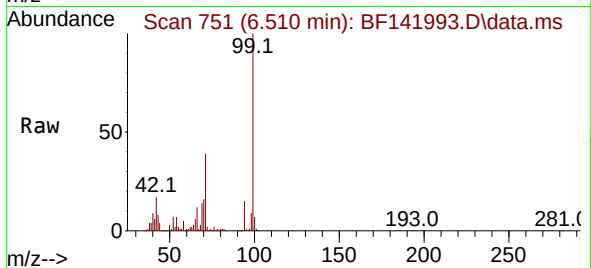
Tgt Ion: 93 Resp: 135605  
Ion Ratio Lower Upper  
93 100  
66 40.8 31.9 47.9  
65 19.7 15.8 23.6





#7  
Phenol-d6  
Concen: 112.253 ng  
RT: 6.510 min Scan# 751  
Delta R.T. 0.006 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31

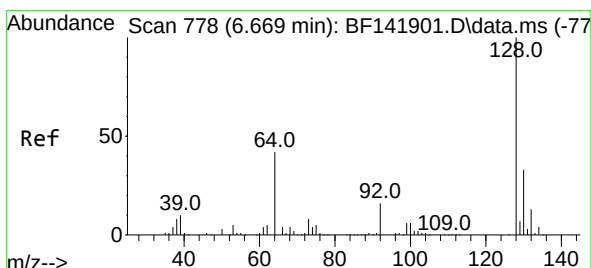
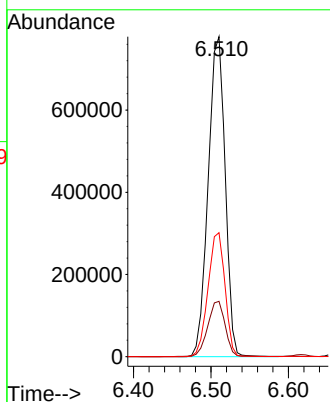
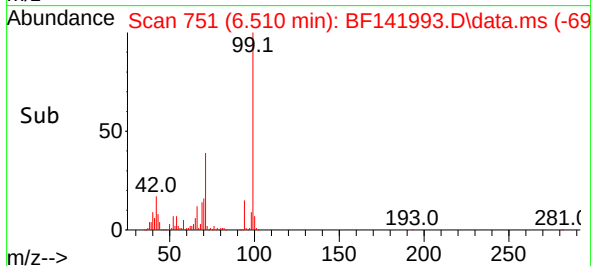
Instrument :  
BNA\_F  
ClientSampleId :  
JC-03-03132025MSD



Tgt Ion: 99 Resp: 118661  
Ion Ratio Lower Upper  
99 100  
42 17.3 14.6 21.8  
71 38.8 30.8 46.2

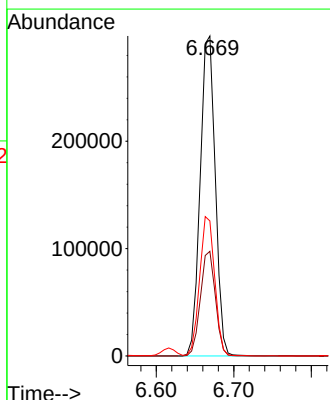
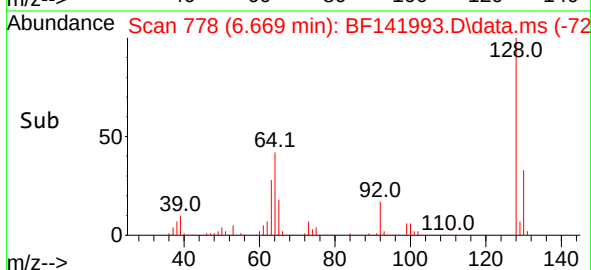
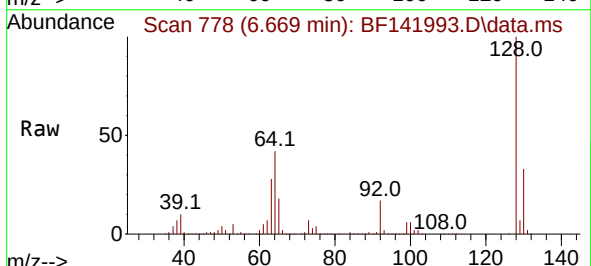
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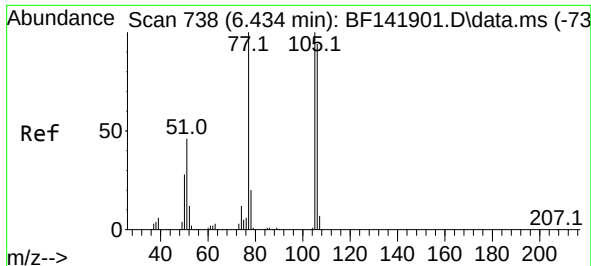
Reviewed By :Anahy Claudio 03/19/2025  
Supervised By :mohammad ahmed 03/24/2025



#8  
2-Chlorophenol  
Concen: 43.864 ng  
RT: 6.669 min Scan# 778  
Delta R.T. 0.000 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31

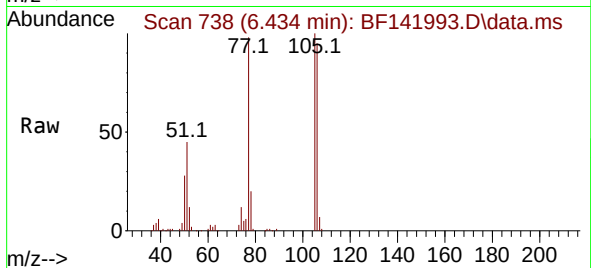
Tgt Ion:128 Resp: 403907  
Ion Ratio Lower Upper  
128 100  
130 32.7 12.8 52.8  
64 42.2 24.4 64.4





#9  
Benzaldehyde  
Concen: 10.162 ng  
RT: 6.434 min Scan# 738  
Delta R.T. -0.000 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31

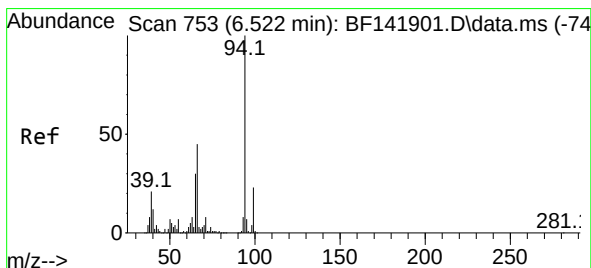
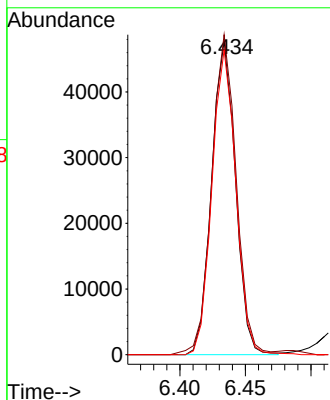
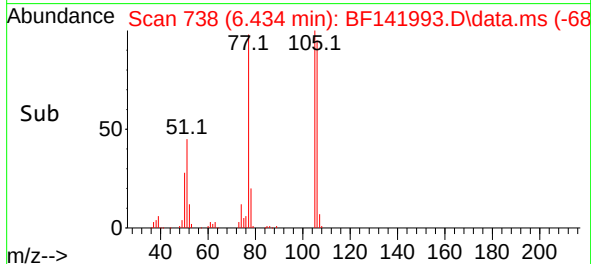
Instrument :  
BNA\_F  
ClientSampleId :  
JC-03-03132025MSD



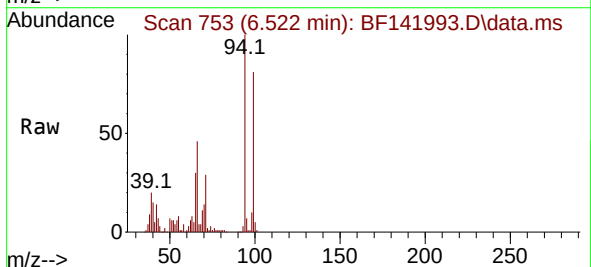
Tgt Ion: 77 Resp: 6007  
Ion Ratio Lower Upper  
77 100  
105 102.2 80.0 120.0  
106 97.3 74.5 114.5

Manual Integrations  
APPROVED

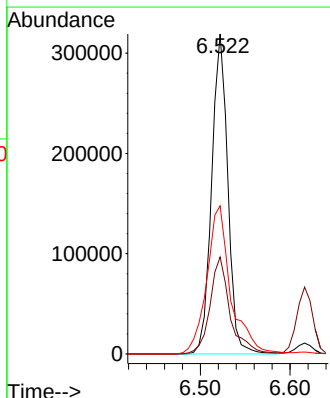
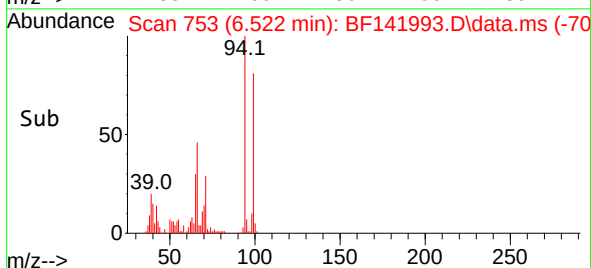
Reviewed By :Anahy Claudio 03/19/2025  
Supervised By :mohammad ahmed 03/24/2025



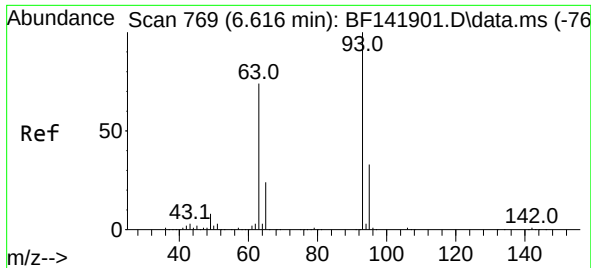
#10  
Phenol  
Concen: 35.880 ng  
RT: 6.522 min Scan# 753  
Delta R.T. 0.000 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31



Tgt Ion: 94 Resp: 399017  
Ion Ratio Lower Upper  
94 100  
65 30.3 10.5 50.5  
66 46.3 25.8 65.8







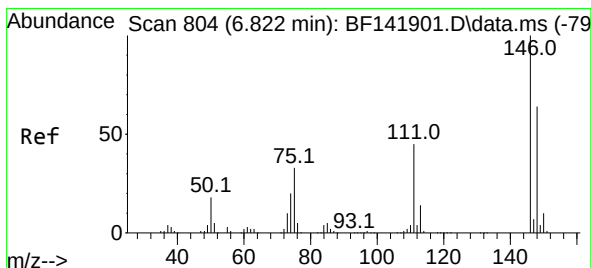
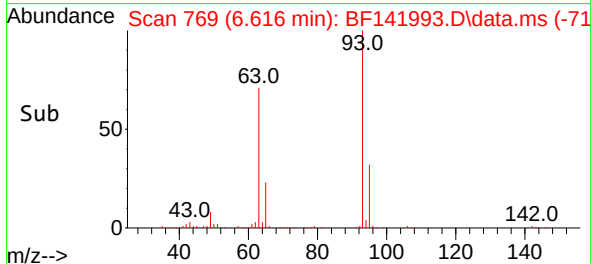
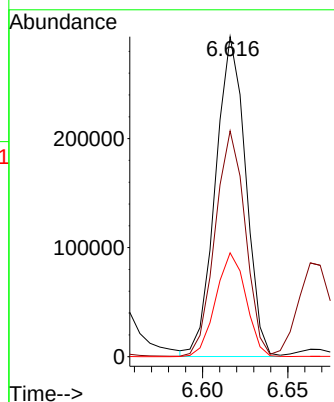
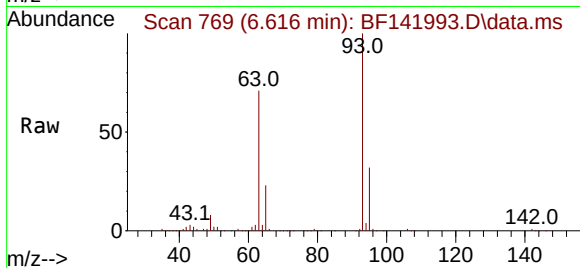
#11  
bis(2-Chloroethyl)ether  
Concen: 43.366 ng  
RT: 6.616 min Scan# 769  
Delta R.T. 0.000 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31

Instrument :  
BNA\_F  
ClientSampleId :  
JC-03-03132025MSD

Tgt Ion: 93 Resp: 362129  
Ion Ratio Lower Upper  
93 100  
63 70.6 53.0 93.0  
95 32.5 12.9 52.9

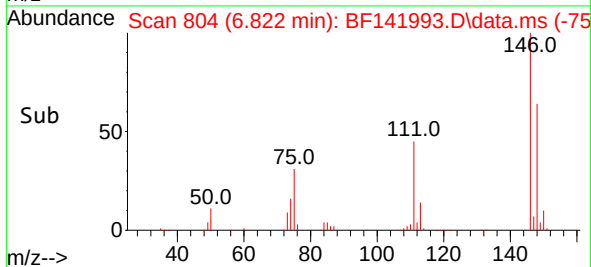
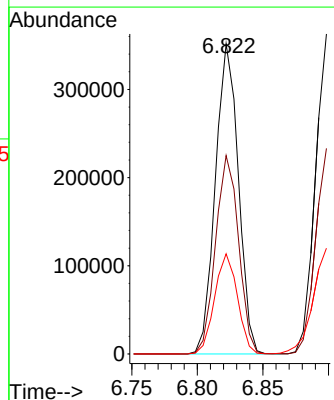
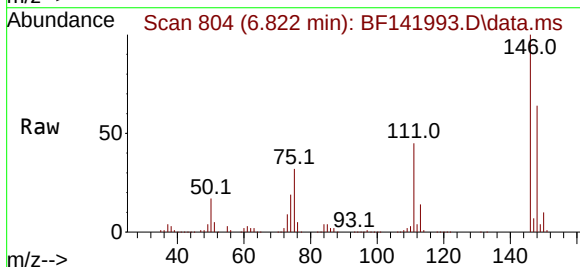
Manual Integrations  
APPROVED

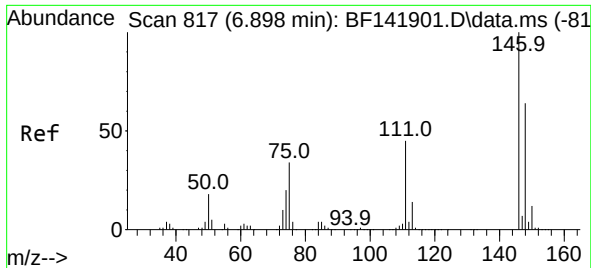
Reviewed By :Anahy Claudio 03/19/2025  
Supervised By :mohammad ahmed 03/24/2025



#12  
1,3-Dichlorobenzene  
Concen: 43.086 ng  
RT: 6.822 min Scan# 804  
Delta R.T. 0.000 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31

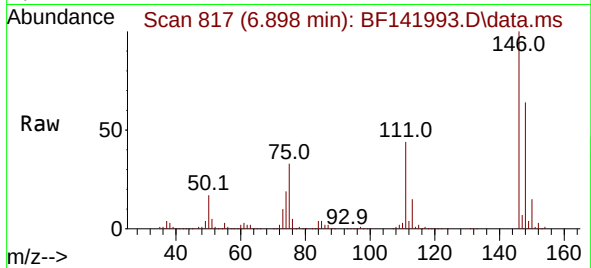
Tgt Ion:146 Resp: 428325  
Ion Ratio Lower Upper  
146 100  
148 64.0 51.3 76.9  
75 32.3 26.6 40.0





#13  
1,4-Dichlorobenzene  
Concen: 43.342 ng  
RT: 6.898 min Scan# 817  
Delta R.T. 0.000 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31

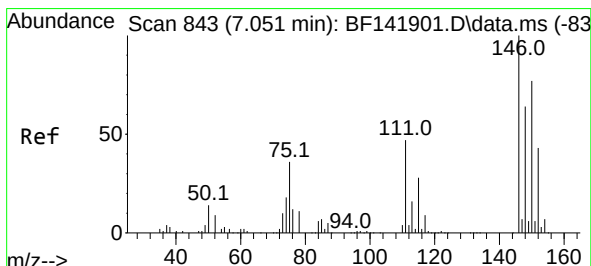
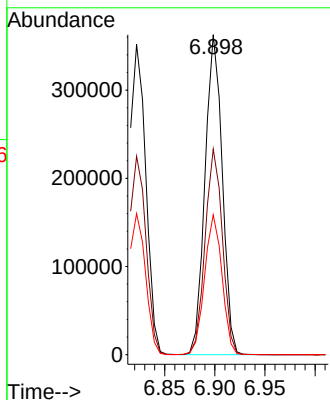
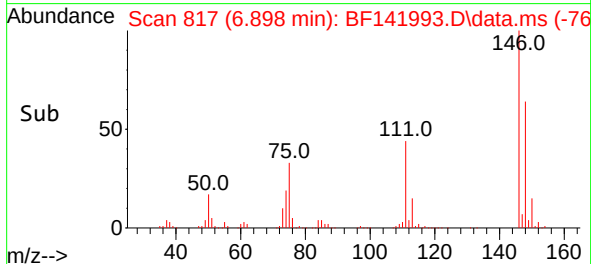
Instrument :  
BNA\_F  
ClientSampleId :  
JC-03-03132025MSD



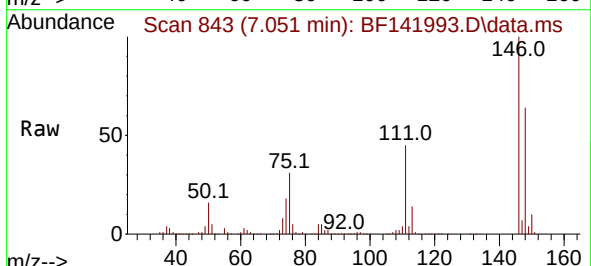
Tgt Ion:146 Resp: 435949  
Ion Ratio Lower Upper  
146 100  
148 64.3 51.0 76.6  
111 43.7 35.7 53.5

Manual Integrations  
APPROVED

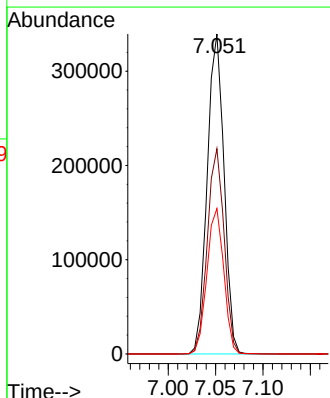
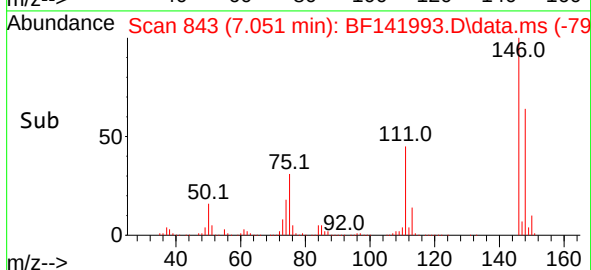
Reviewed By :Anahy Claudio 03/19/2025  
Supervised By :mohammad ahmed 03/24/2025

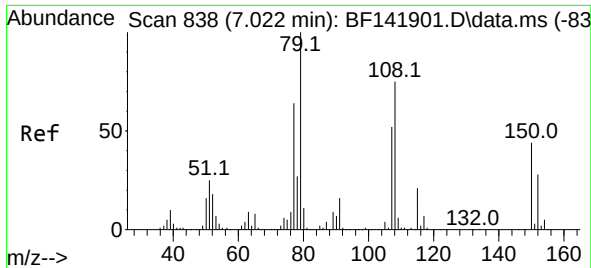


#14  
1,2-Dichlorobenzene  
Concen: 44.071 ng  
RT: 7.051 min Scan# 843  
Delta R.T. 0.000 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31



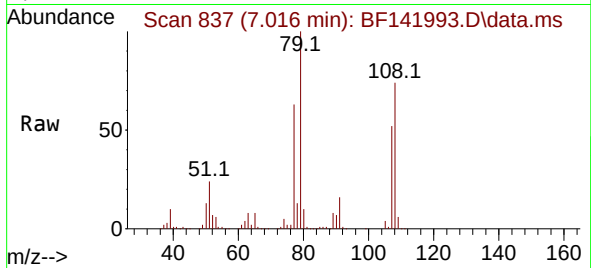
Tgt Ion:146 Resp: 417522  
Ion Ratio Lower Upper  
146 100  
148 64.2 50.8 76.2  
111 45.5 38.0 57.0





#15  
Benzyl Alcohol  
Concen: 42.088 ng  
RT: 7.016 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31

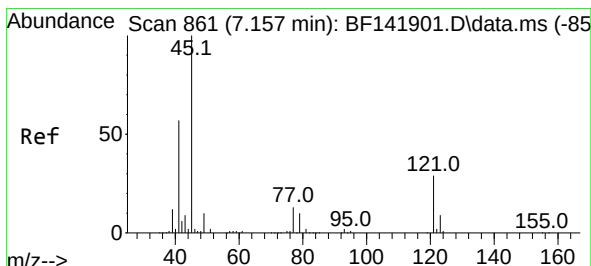
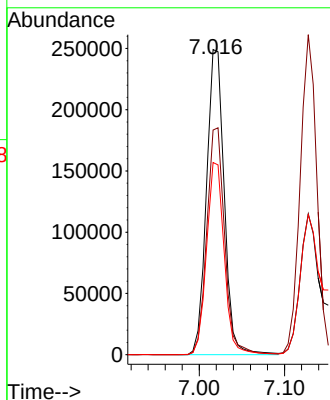
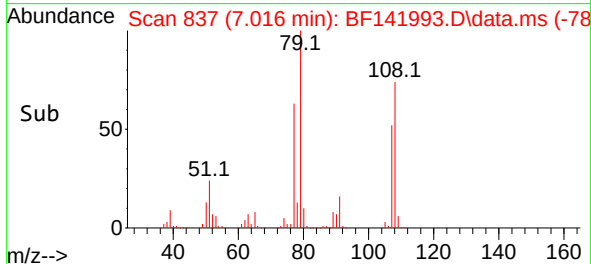
Instrument :  
BNA\_F  
ClientSampleId :  
JC-03-03132025MSD



Tgt Ion: 79 Resp: 35968  
Ion Ratio Lower Upper  
79 100  
108 73.6 59.7 89.5  
77 63.0 51.0 76.6

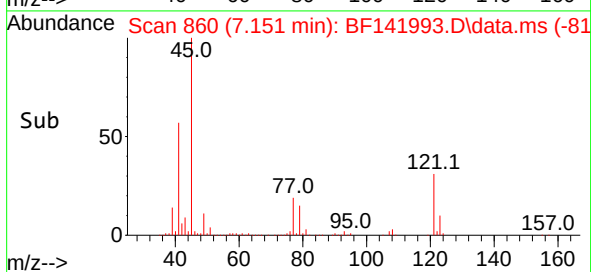
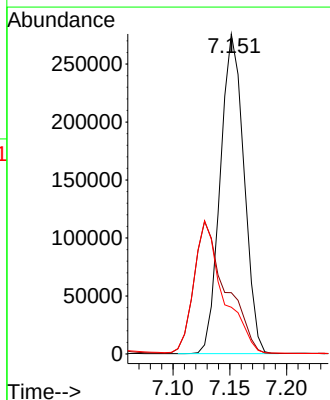
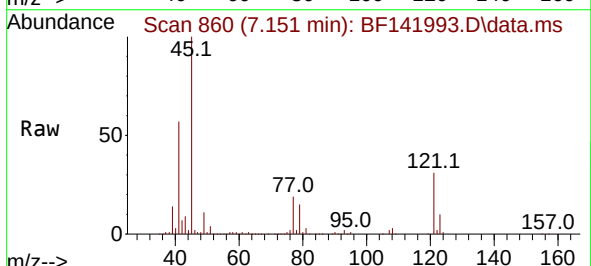
Manual Integrations  
APPROVED

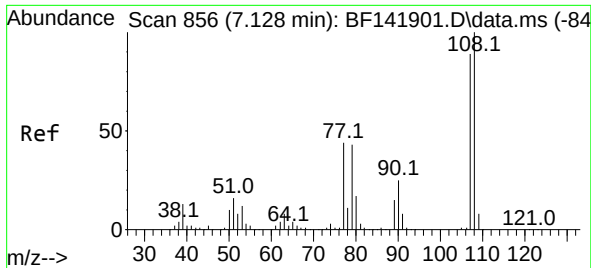
Reviewed By :Anahy Claudio 03/19/2025  
Supervised By :mohammad ahmed 03/24/2025



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 39.706 ng  
RT: 7.151 min Scan# 860  
Delta R.T. -0.006 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31

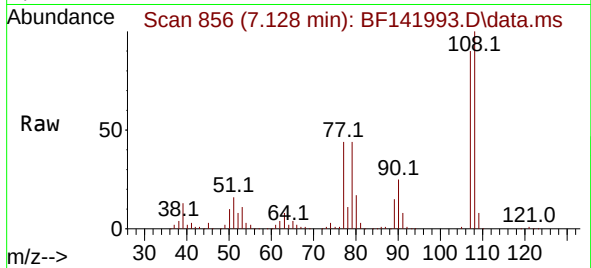
Tgt Ion: 45 Resp: 400292  
Ion Ratio Lower Upper  
45 100  
77 19.2 0.0 37.8  
79 14.6 0.0 34.2





#17  
2-Methylphenol  
Concen: 43.114 ng  
RT: 7.128 min Scan# 856  
Delta R.T. 0.000 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31

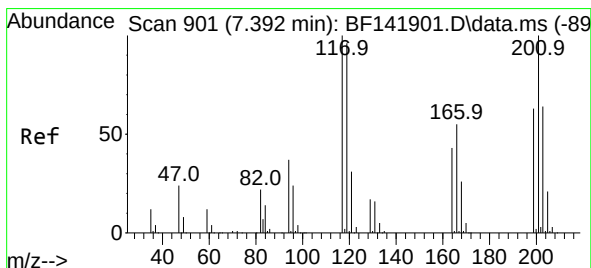
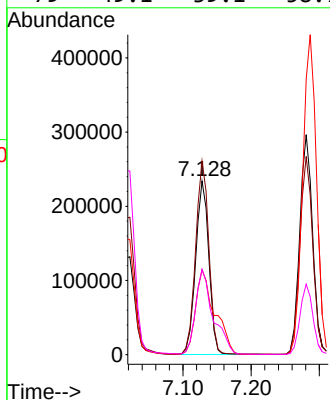
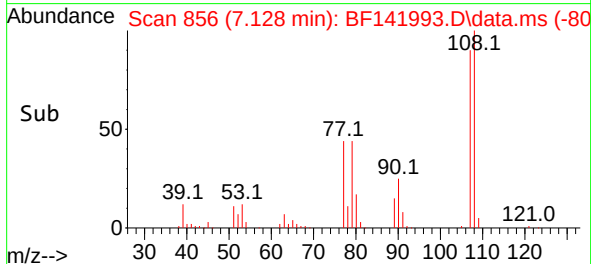
Instrument :  
BNA\_F  
ClientSampleId :  
JC-03-03132025MSD



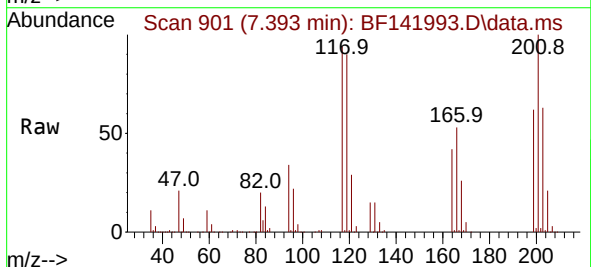
Tgt Ion:107 Resp: 315654  
Ion Ratio Lower Upper  
107 100  
108 111.7 90.2 135.2  
77 48.9 39.6 59.4  
79 49.1 39.1 58.7

Manual Integrations  
APPROVED

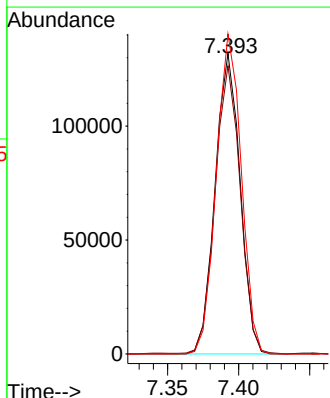
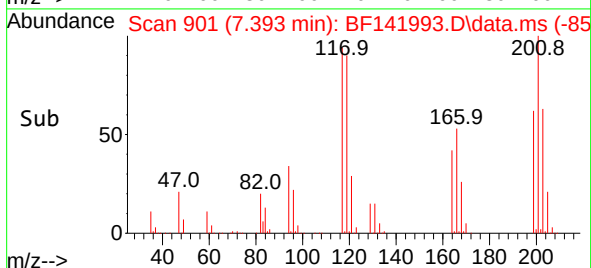
Reviewed By :Anahy Claudio 03/19/2025  
Supervised By :mohammad ahmed 03/24/2025

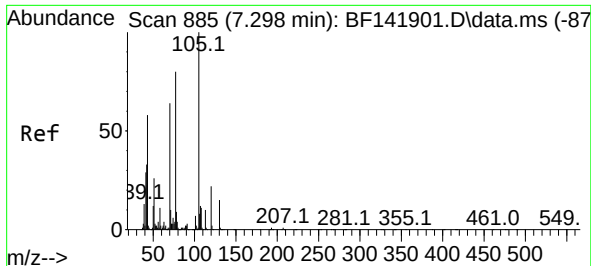


#18  
Hexachloroethane  
Concen: 42.807 ng  
RT: 7.393 min Scan# 901  
Delta R.T. 0.000 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31



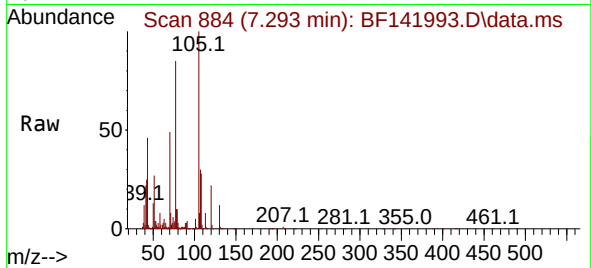
Tgt Ion:117 Resp: 161459  
Ion Ratio Lower Upper  
117 100  
119 95.9 76.9 115.3  
201 106.5 79.9 119.9





#19  
n-Nitroso-di-n-propylamine  
Concen: 40.624 ng  
RT: 7.293 min Scan# 885  
Delta R.T. -0.006 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31

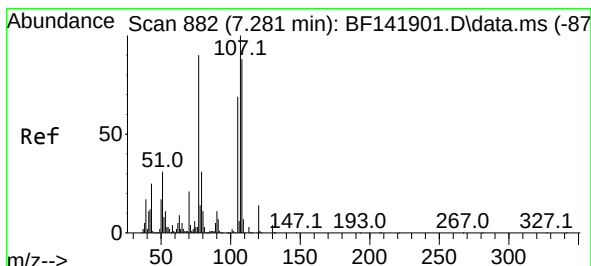
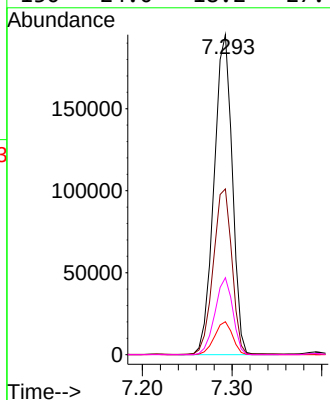
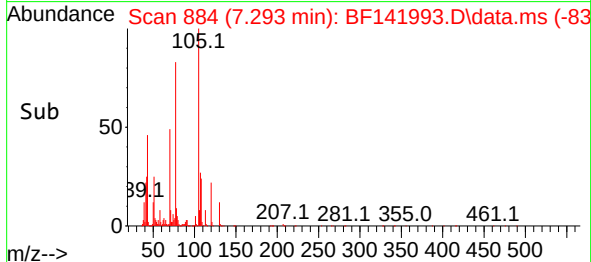
Instrument :  
BNA\_F  
ClientSampleId :  
JC-03-03132025MSD



Tgt Ion: 70 Resp: 27593  
Ion Ratio Lower Upper  
70 100  
42 51.8 41.4 62.0  
101 10.3 8.2 12.2  
130 24.0 18.2 27.4

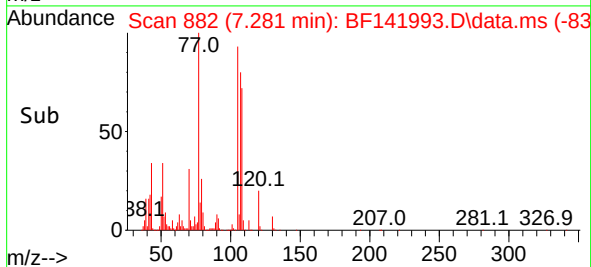
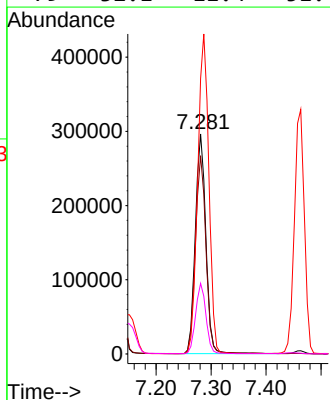
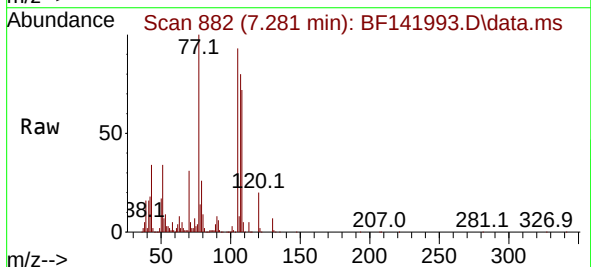
Manual Integrations  
APPROVED

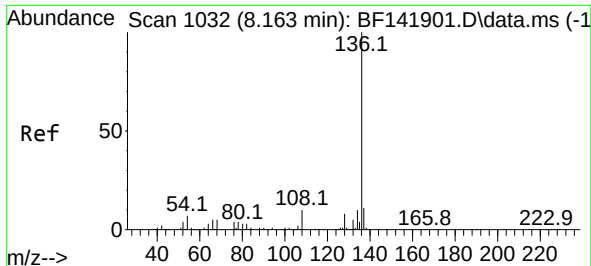
Reviewed By :Anahy Claudio 03/19/2025  
Supervised By :mohammad ahmed 03/24/2025



#20  
3+4-Methylphenols  
Concen: 42.058 ng  
RT: 7.281 min Scan# 882  
Delta R.T. 0.000 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31

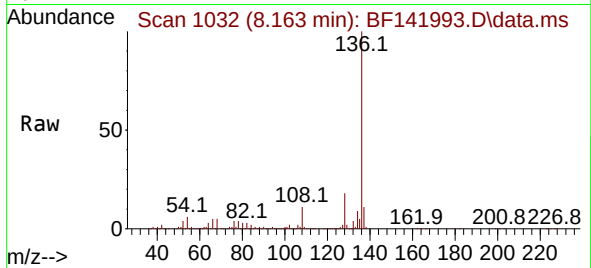
Tgt Ion:107 Resp: 394412  
Ion Ratio Lower Upper  
107 100  
108 90.1 68.4 108.4  
77 125.2 69.7 109.7#  
79 32.1 11.4 51.4





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.163 min Scan# 1032  
Delta R.T. 0.000 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31

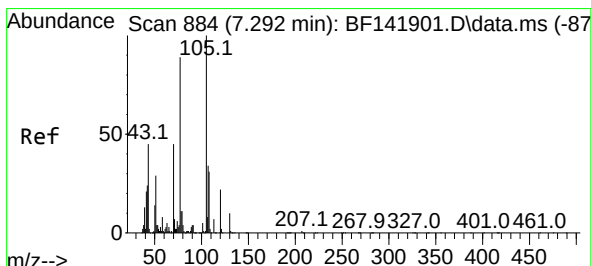
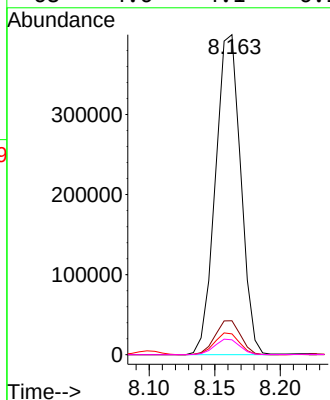
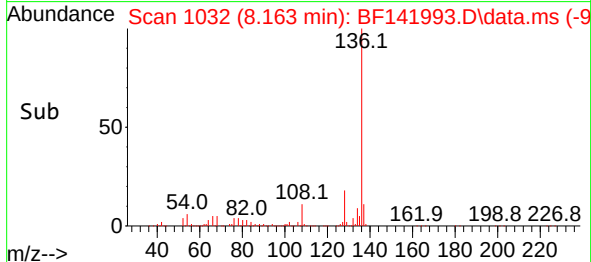
Instrument :  
BNA\_F  
ClientSampleId :  
JC-03-03132025MSD



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 136   | Resp: | 53541 |
| Ion Ratio | Lower | Upper |       |
| 136       | 100   |       |       |
| 137       | 10.6  | 8.8   | 13.2  |
| 54        | 6.5   | 5.8   | 8.8   |
| 68        | 4.6   | 4.1   | 6.1   |

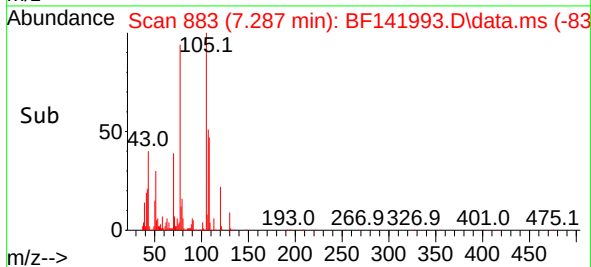
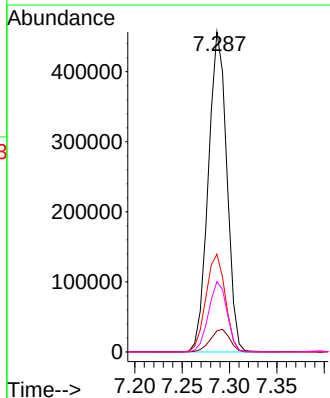
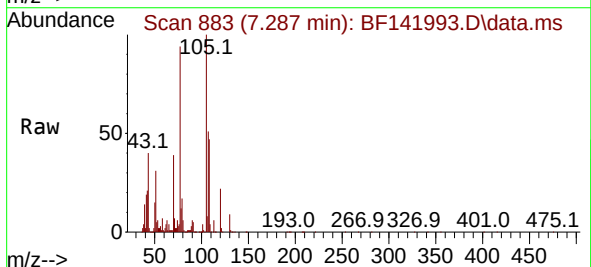
Manual Integrations  
APPROVED

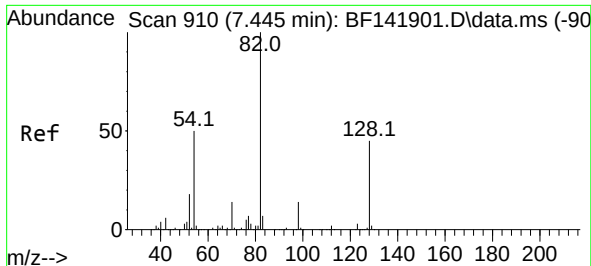
Reviewed By :Anahy Claudio 03/19/2025  
Supervised By :mohammad ahmed 03/24/2025



#22  
Acetophenone  
Concen: 48.338 ng  
RT: 7.287 min Scan# 883  
Delta R.T. -0.006 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31

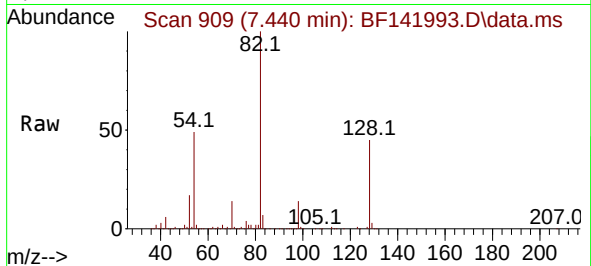
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 619784 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 71        | 6.6   | 5.8   | 8.8    |
| 51        | 30.5  | 23.4  | 35.0   |
| 120       | 22.0  | 17.3  | 25.9   |





#23  
Nitrobenzene-d5  
Concen: 96.659 ng  
RT: 7.440 min Scan# 909  
Delta R.T. -0.006 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31

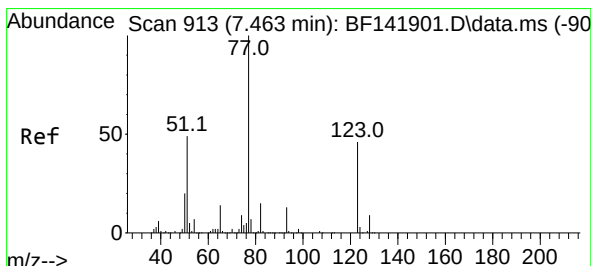
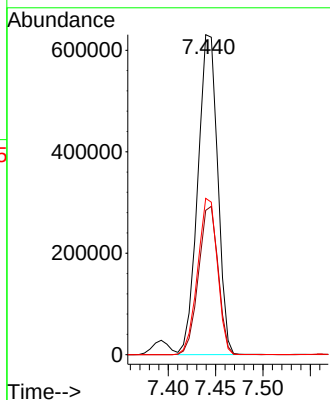
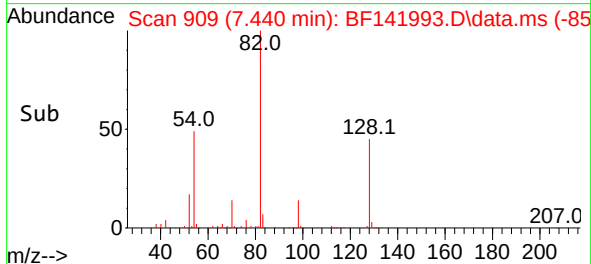
Instrument :  
BNA\_F  
ClientSampleId :  
JC-03-03132025MSD



Tgt Ion: 82 Resp: 919620  
Ion Ratio Lower Upper  
82 100  
128 45.1 36.0 54.0  
54 48.8 39.6 59.4

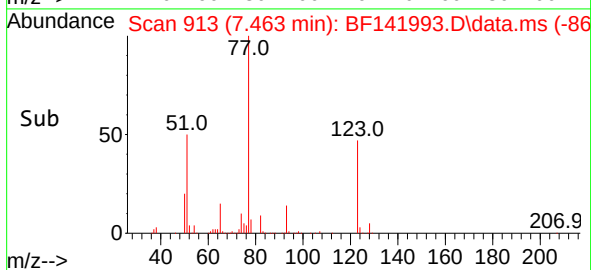
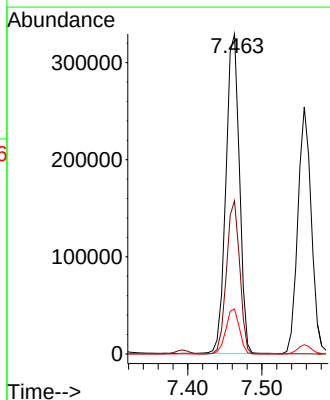
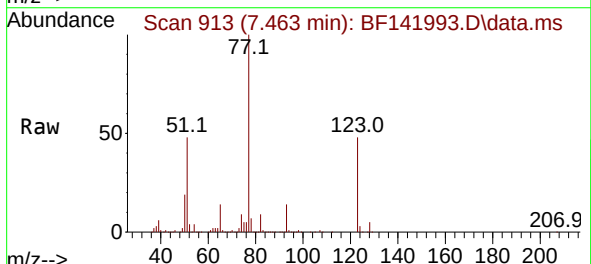
Manual Integrations  
APPROVED

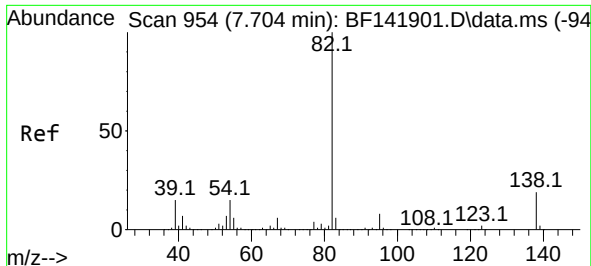
Reviewed By :Anahy Claudio 03/19/2025  
Supervised By :mohammad ahmed 03/24/2025



#24  
Nitrobenzene  
Concen: 44.111 ng  
RT: 7.463 min Scan# 913  
Delta R.T. 0.000 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31

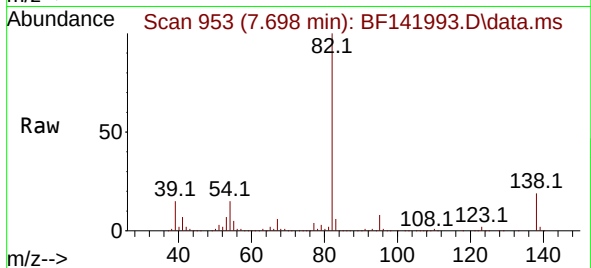
Tgt Ion: 77 Resp: 417210  
Ion Ratio Lower Upper  
77 100  
123 47.9 37.0 55.4  
65 14.0 11.3 16.9





#25  
Isophorone  
Concen: 45.124 ng  
RT: 7.698 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31

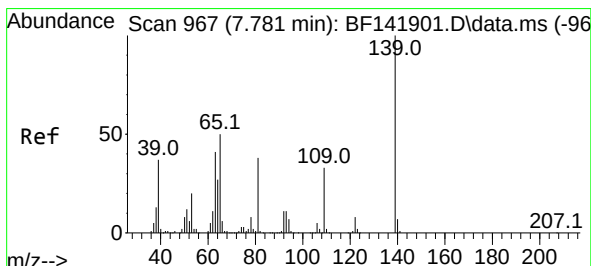
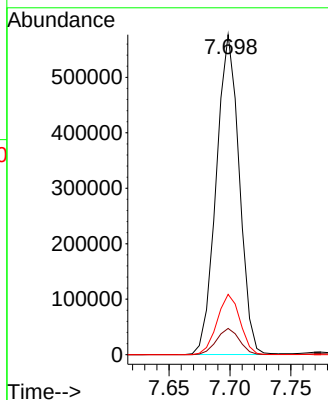
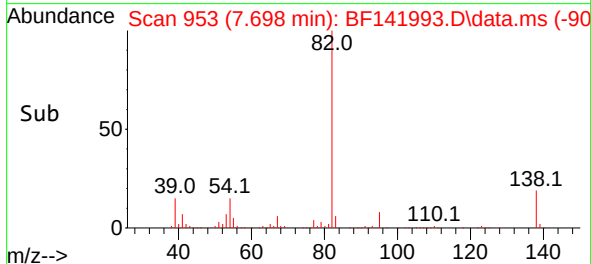
Instrument :  
BNA\_F  
ClientSampleId :  
JC-03-03132025MSD



Tgt Ion: 82 Resp: 758880  
Ion Ratio Lower Upper  
82 100  
95 8.2 6.4 9.6  
138 18.8 14.9 22.3

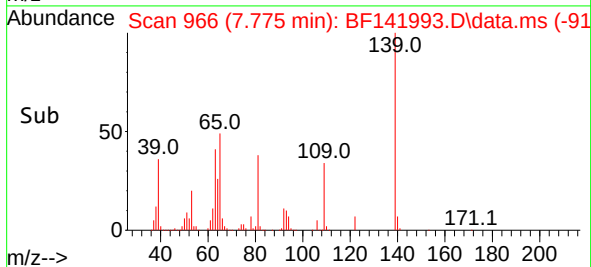
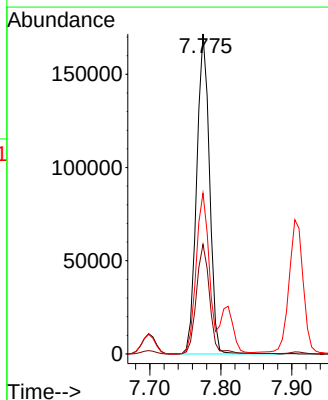
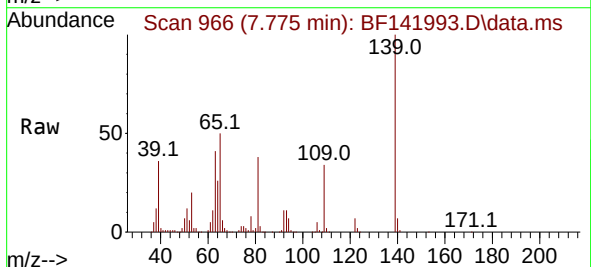
Manual Integrations  
APPROVED

Reviewed By :Anahy Claudio 03/19/2025  
Supervised By :mohammad ahmed 03/24/2025

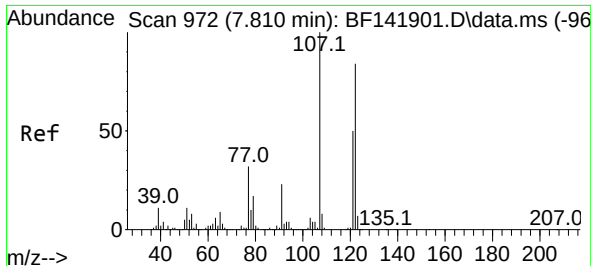


#26  
2-Nitrophenol  
Concen: 46.608 ng  
RT: 7.775 min Scan# 966  
Delta R.T. -0.006 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31

Tgt Ion:139 Resp: 216360  
Ion Ratio Lower Upper  
139 100  
109 34.2 26.5 39.7  
65 50.3 40.3 60.5

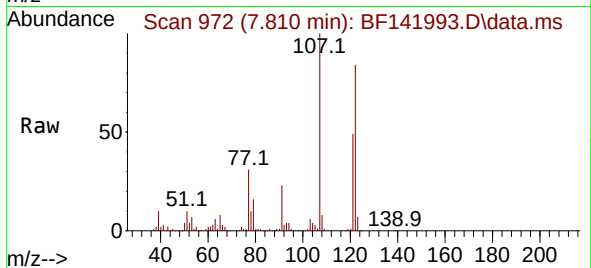






#27  
2,4-Dimethylphenol  
Concen: 54.671 ng  
RT: 7.810 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31

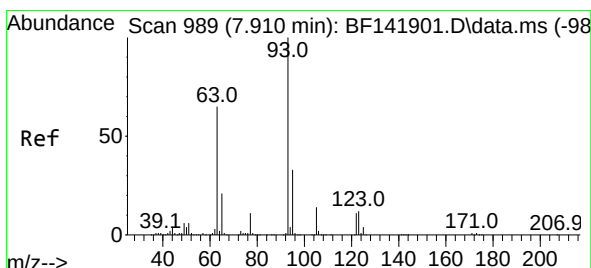
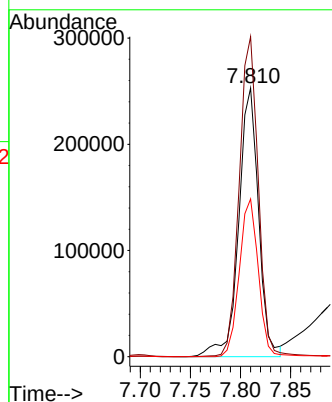
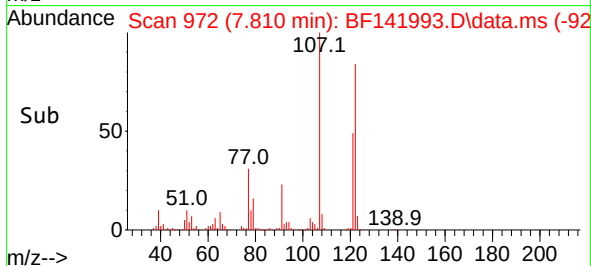
Instrument :  
BNA\_F  
ClientSampleId :  
JC-03-03132025MSD



Tgt Ion:122 Resp: 349454  
Ion Ratio Lower Upper  
122 100  
107 119.1 94.8 142.2  
121 58.7 47.8 71.6

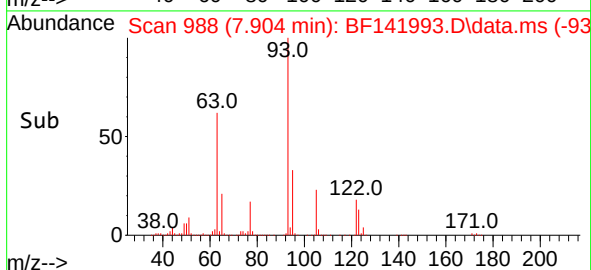
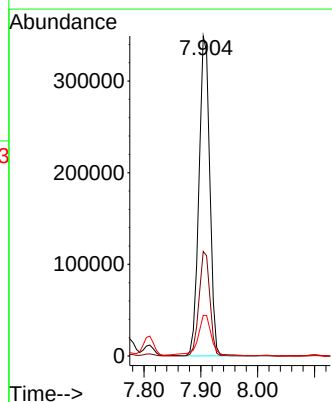
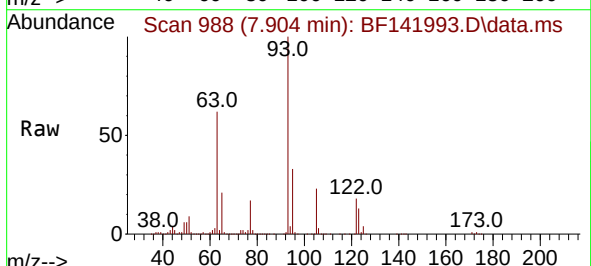
Manual Integrations  
APPROVED

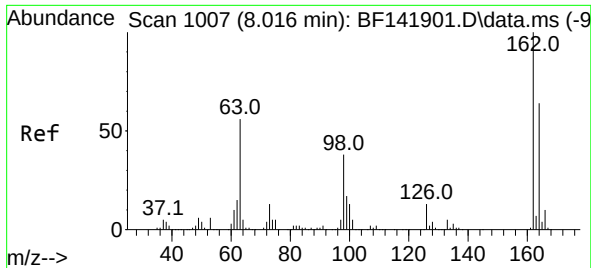
Reviewed By :Anahy Claudio 03/19/2025  
Supervised By :mohammad ahmed 03/24/2025



#28  
bis(2-Chloroethoxy)methane  
Concen: 43.949 ng  
RT: 7.904 min Scan# 988  
Delta R.T. -0.006 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31

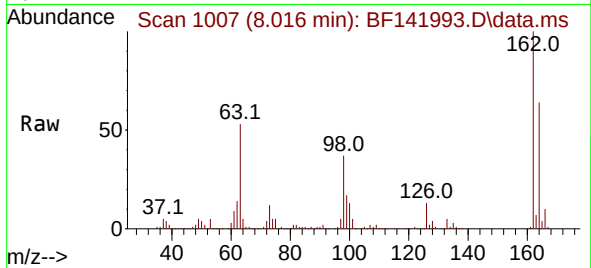
Tgt Ion: 93 Resp: 463580  
Ion Ratio Lower Upper  
93 100  
95 32.6 26.6 40.0  
123 12.7 10.2 15.4





#29  
2,4-Dichlorophenol  
Concen: 44.861 ng  
RT: 8.016 min Scan# 1007  
Delta R.T. 0.000 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31

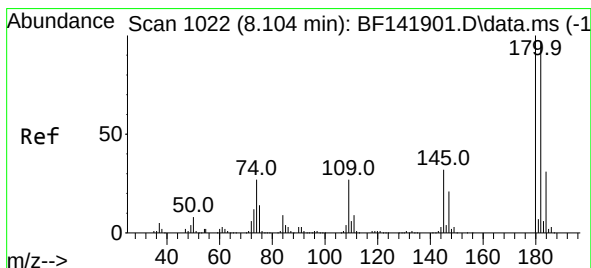
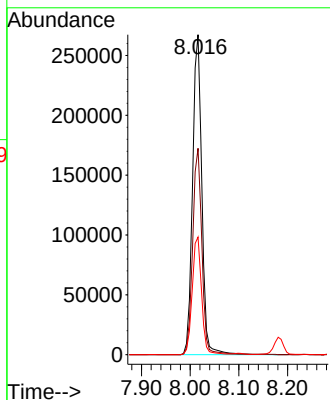
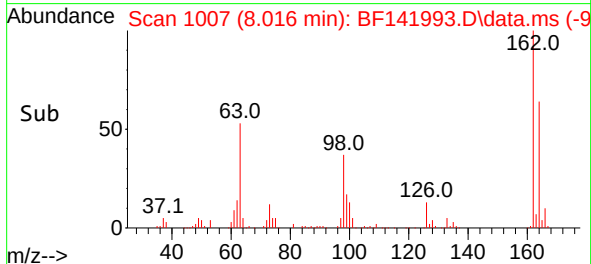
Instrument :  
BNA\_F  
ClientSampleId :  
JC-03-03132025MSD



Tgt Ion:162 Resp: 355920  
Ion Ratio Lower Upper  
162 100  
164 64.5 43.8 83.8  
98 36.7 18.1 58.1

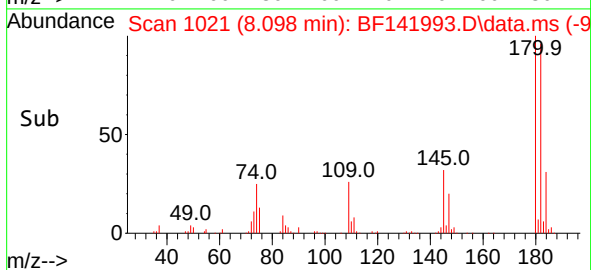
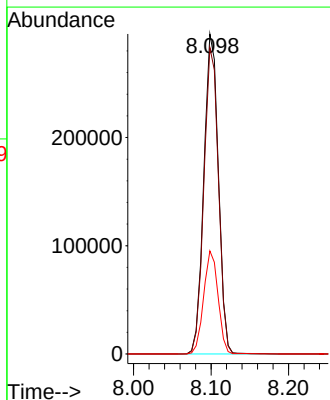
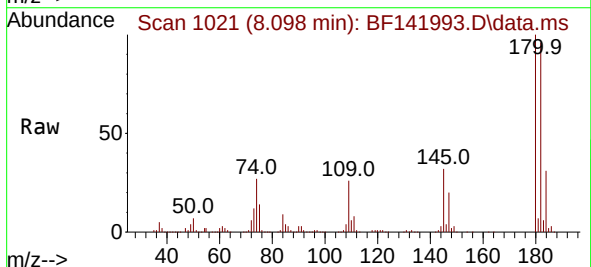
Manual Integrations  
APPROVED

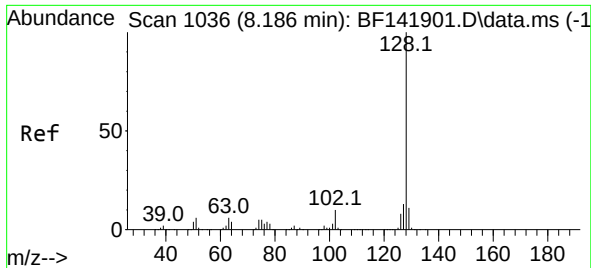
Reviewed By :Anahy Claudio 03/19/2025  
Supervised By :mohammad ahmed 03/24/2025



#30  
1,2,4-Trichlorobenzene  
Concen: 44.171 ng  
RT: 8.098 min Scan# 1021  
Delta R.T. -0.006 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31

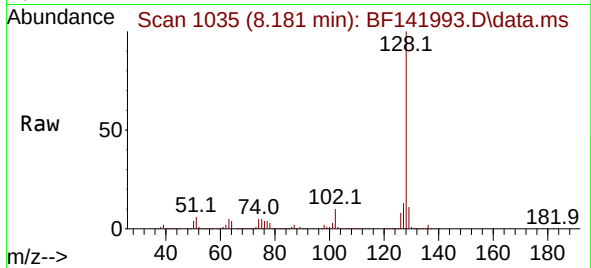
Tgt Ion:180 Resp: 386209  
Ion Ratio Lower Upper  
180 100  
182 95.8 77.5 116.3  
145 32.2 25.8 38.6





#31  
Naphthalene  
Concen: 43.228 ng  
RT: 8.181 min Scan# 1036  
Delta R.T. -0.006 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31

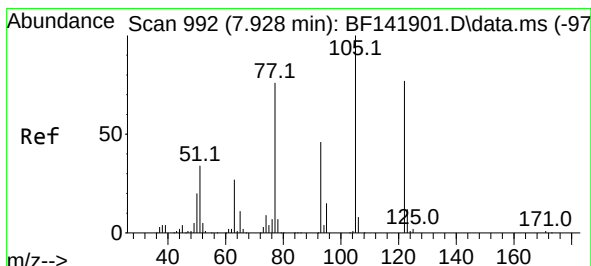
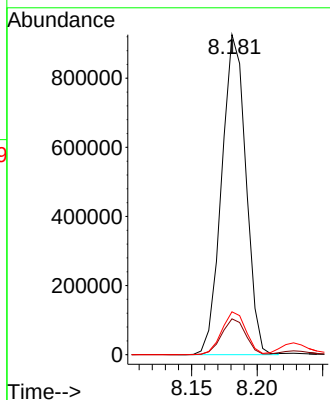
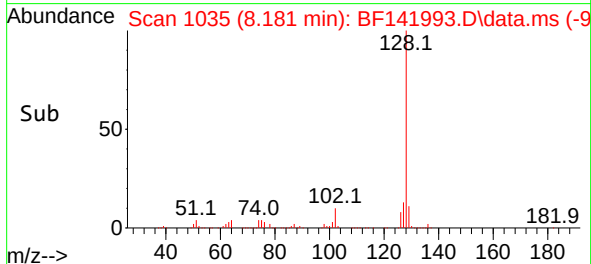
Instrument :  
BNA\_F  
ClientSampleId :  
JC-03-03132025MSD



Tgt Ion:128 Resp: 1188930  
Ion Ratio Lower Upper  
128 100  
129 11.2 9.0 13.6  
127 13.4 10.8 16.2

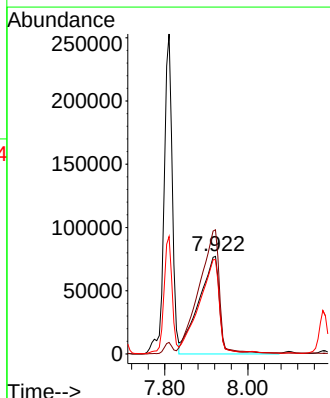
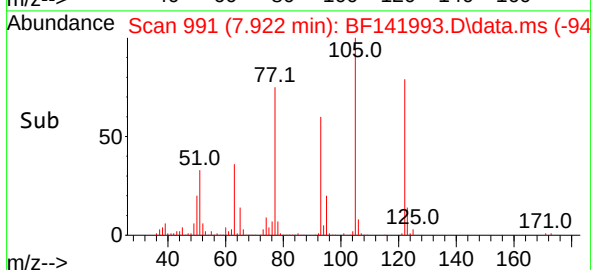
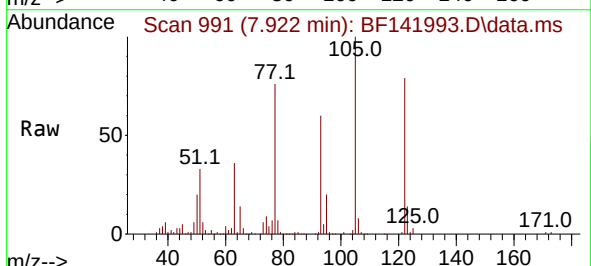
Manual Integrations  
APPROVED

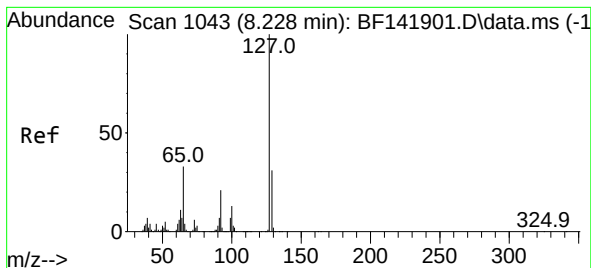
Reviewed By :Anahy Claudio 03/19/2025  
Supervised By :mohammad ahmed 03/24/2025



#32  
Benzoic acid  
Concen: 48.346 ng m  
RT: 7.922 min Scan# 991  
Delta R.T. -0.006 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31

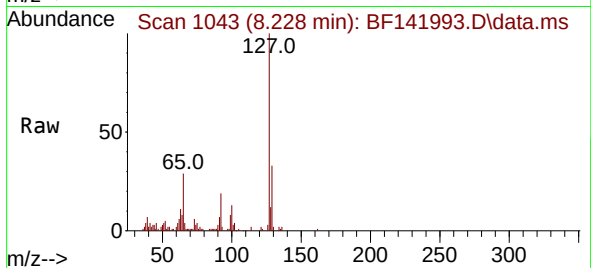
Tgt Ion:122 Resp: 271645  
Ion Ratio Lower Upper  
122 100  
105 127.2 107.9 147.9  
77 96.7 79.0 119.0





#33  
4-Chloroaniline  
Concen: 5.433 ng  
RT: 8.228 min Scan# 1043  
Delta R.T. 0.000 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31

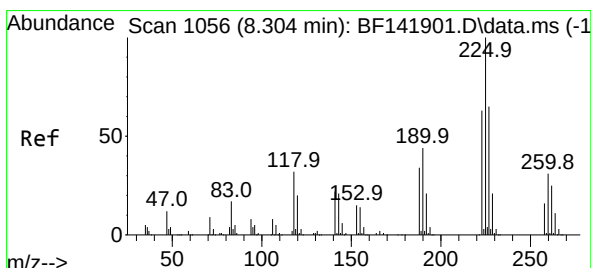
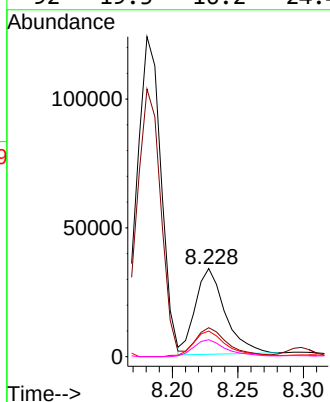
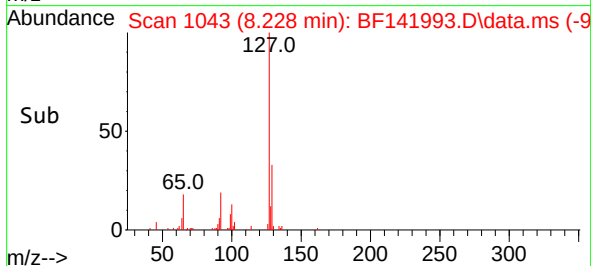
Instrument :  
BNA\_F  
ClientSampleId :  
JC-03-03132025MSD



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 127   | Resp: | 52740 |
| Ion Ratio | Lower | Upper |       |
| 127       | 100   |       |       |
| 129       | 32.9  | 26.2  | 39.4  |
| 65        | 29.1  | 25.4  | 38.2  |
| 92        | 19.3  | 16.2  | 24.4  |

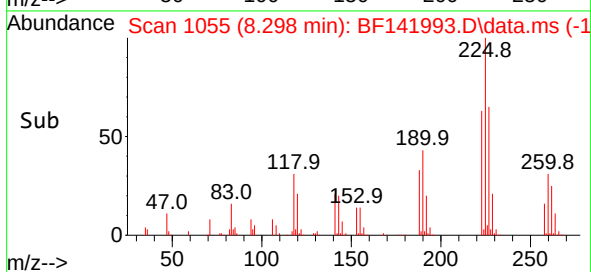
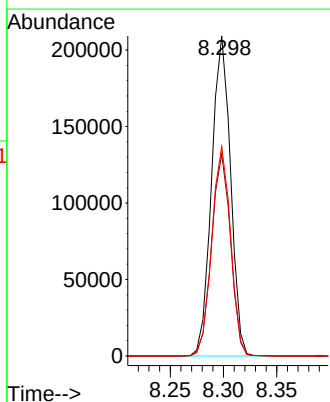
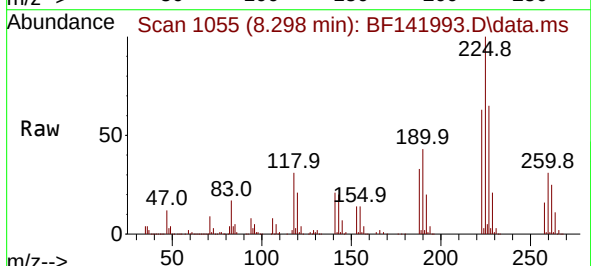
Manual Integrations  
APPROVED

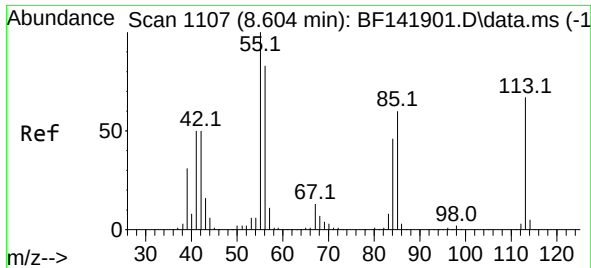
Reviewed By :Anahy Claudio 03/19/2025  
Supervised By :mohammad ahmed 03/24/2025



#34  
Hexachlorobutadiene  
Concen: 45.189 ng  
RT: 8.298 min Scan# 1055  
Delta R.T. -0.006 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31

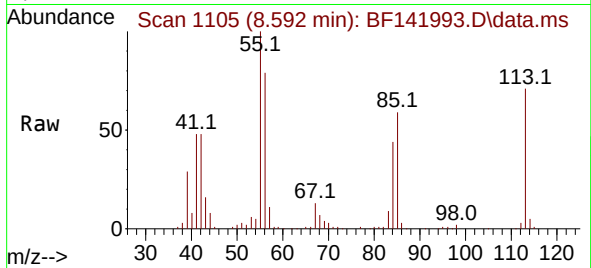
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 225   | Resp: | 257669 |
| Ion Ratio | Lower | Upper |        |
| 225       | 100   |       |        |
| 223       | 63.2  | 50.6  | 75.8   |
| 227       | 65.4  | 52.2  | 78.2   |





#35  
Caprolactam  
Concen: 37.960 ng m  
RT: 8.592 min Scan# 1105  
Delta R.T. -0.012 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31

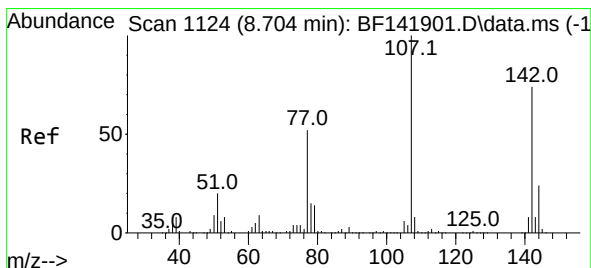
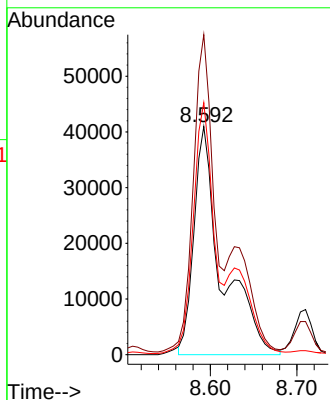
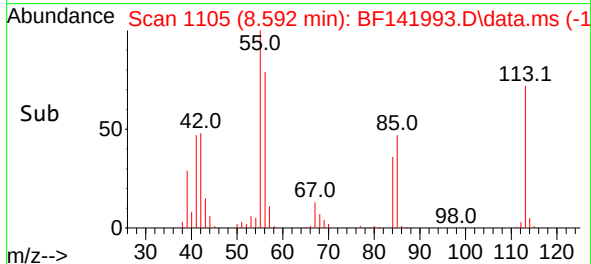
Instrument :  
BNA\_F  
ClientSampleId :  
JC-03-03132025MSD



Tgt Ion:113 Resp: 91819  
Ion Ratio Lower Upper  
113 100  
55 140.3 129.6 169.6  
56 110.5 104.0 144.0

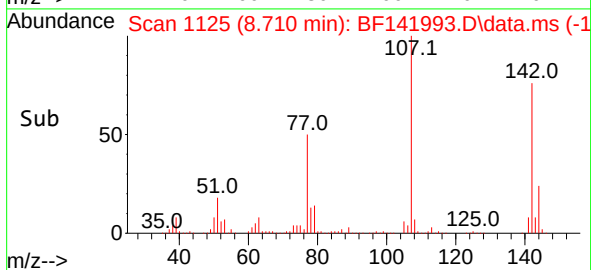
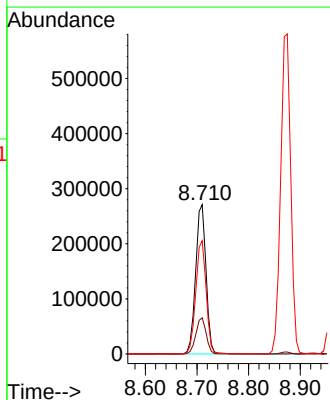
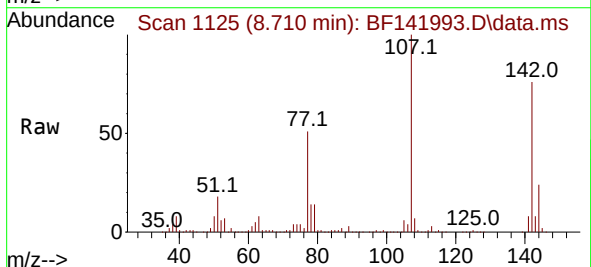
Manual Integrations  
APPROVED

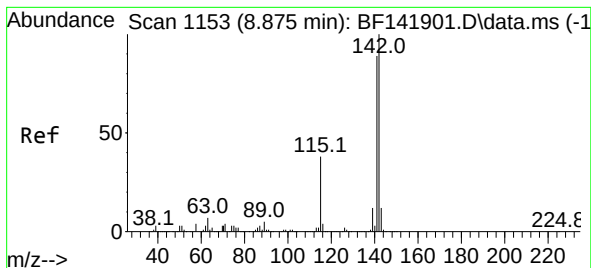
Reviewed By :Anahy Claudio 03/19/2025  
Supervised By :mohammad ahmed 03/24/2025



#36  
4-Chloro-3-methylphenol  
Concen: 42.865 ng  
RT: 8.710 min Scan# 1125  
Delta R.T. 0.006 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31

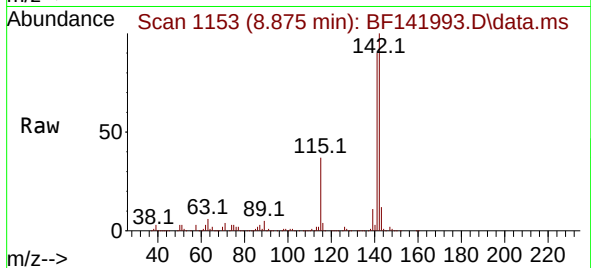
Tgt Ion:107 Resp: 379366  
Ion Ratio Lower Upper  
107 100  
144 24.2 19.0 28.6  
142 76.0 59.2 88.8





#37  
2-Methylnaphthalene  
Concen: 42.696 ng  
RT: 8.875 min Scan# 1153  
Delta R.T. 0.000 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31

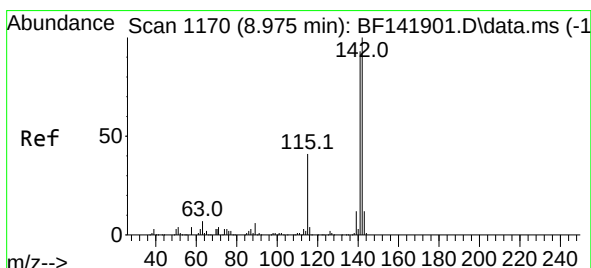
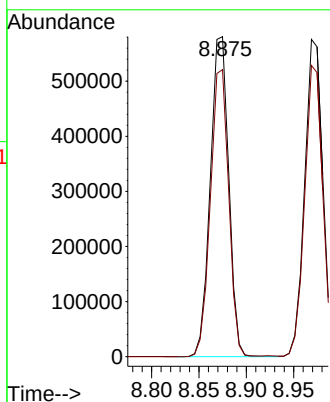
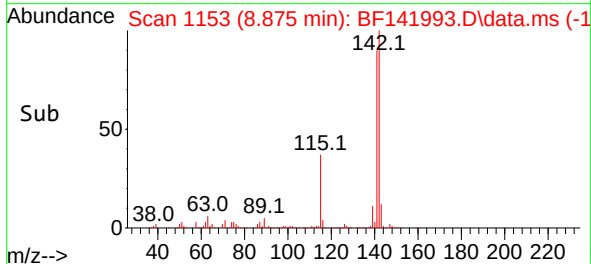
Instrument :  
BNA\_F  
ClientSampleId :  
JC-03-03132025MSD



Tgt Ion:142 Resp: 78491  
Ion Ratio Lower Upper  
142 100  
141 89.7 71.2 106.8

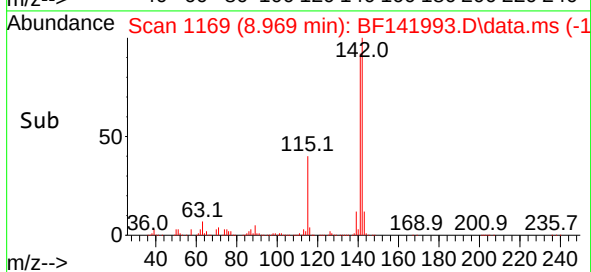
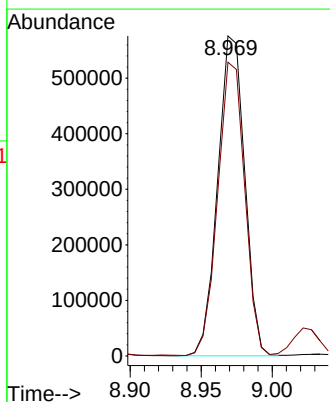
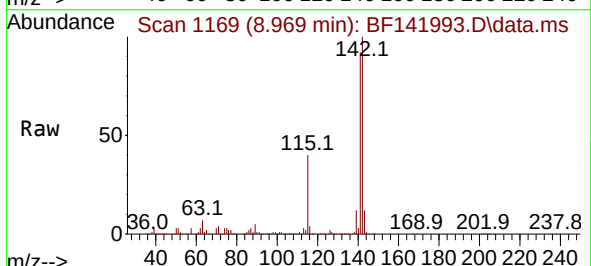
Manual Integrations  
APPROVED

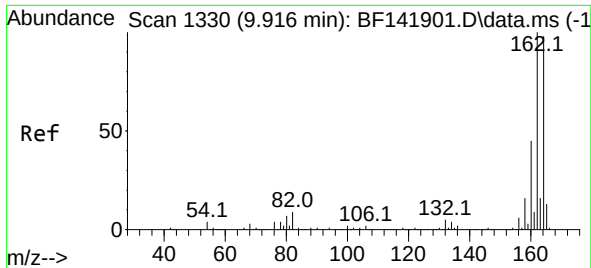
Reviewed By :Anahy Claudio 03/19/2025  
Supervised By :mohammad ahmed 03/24/2025



#38  
1-Methylnaphthalene  
Concen: 42.894 ng  
RT: 8.969 min Scan# 1169  
Delta R.T. -0.006 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31

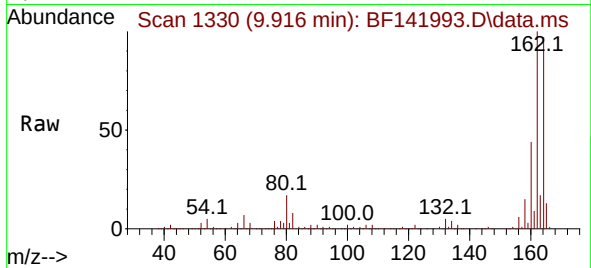
Tgt Ion:142 Resp: 760948  
Ion Ratio Lower Upper  
142 100  
141 91.8 74.2 111.4





#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.916 min Scan# 1181  
Delta R.T. -0.000 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31

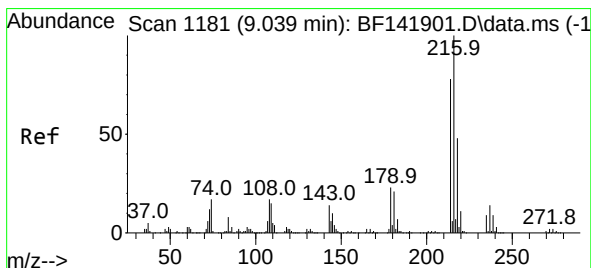
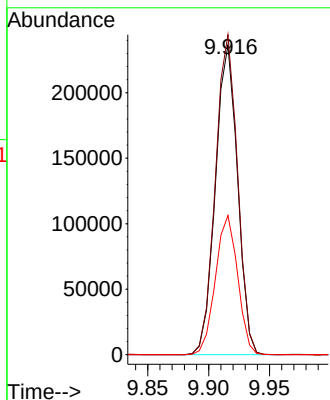
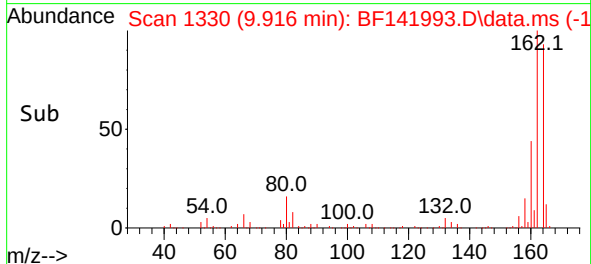
Instrument :  
BNA\_F  
ClientSampleId :  
JC-03-03132025MSD



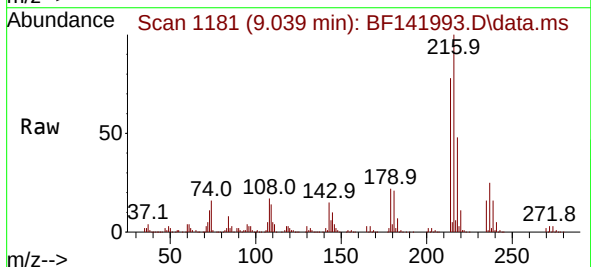
Tgt Ion:164 Resp: 29856  
Ion Ratio Lower Upper  
164 100  
162 103.3 81.8 122.6  
160 45.0 36.7 55.1

Manual Integrations  
APPROVED

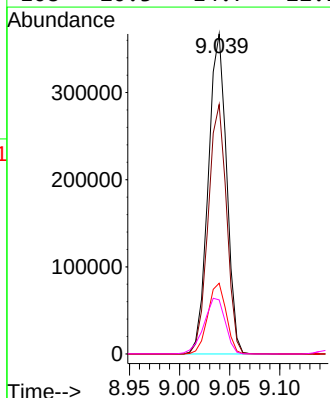
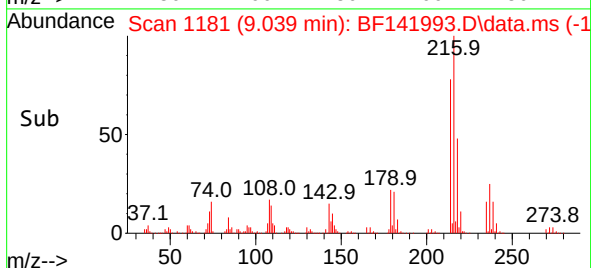
Reviewed By :Anahy Claudio 03/19/2025  
Supervised By :mohammad ahmed 03/24/2025

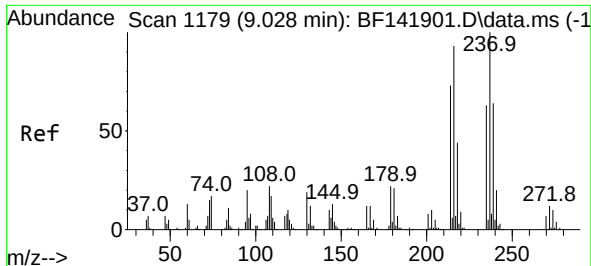


#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 51.303 ng  
RT: 9.039 min Scan# 1181  
Delta R.T. 0.000 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31



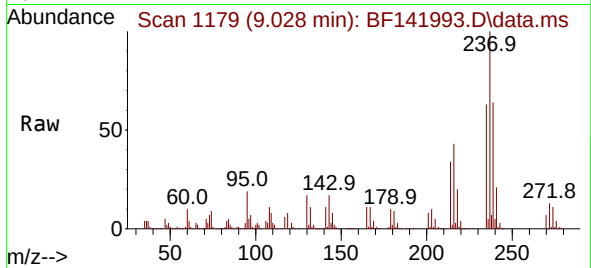
Tgt Ion:216 Resp: 466352  
Ion Ratio Lower Upper  
216 100  
214 78.2 61.9 92.9  
179 22.2 18.1 27.1  
108 20.3 14.7 22.1





#41  
Hexachlorocyclopentadiene  
Concen: 155.263 ng  
RT: 9.028 min Scan# 1179  
Delta R.T. 0.000 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31

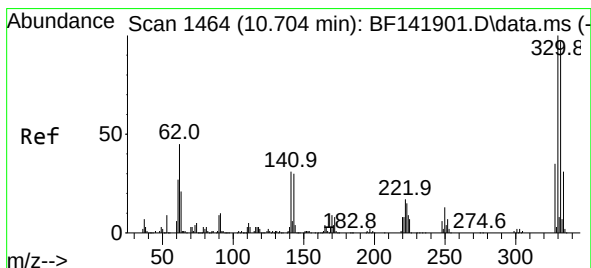
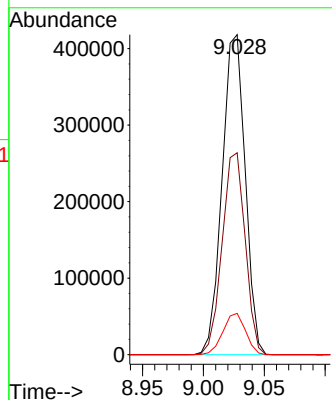
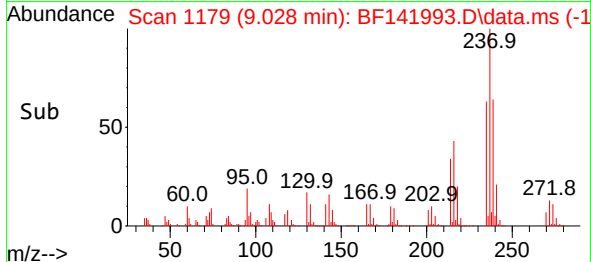
Instrument :  
BNA\_F  
ClientSampleId :  
JC-03-03132025MSD



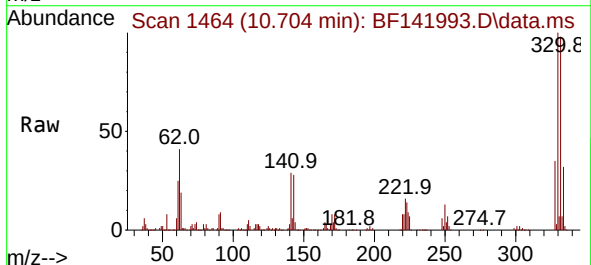
Tgt Ion:237 Resp: 55235  
Ion Ratio Lower Upper  
237 100  
235 63.1 43.1 83.1  
272 12.9 0.0 32.0

Manual Integrations  
APPROVED

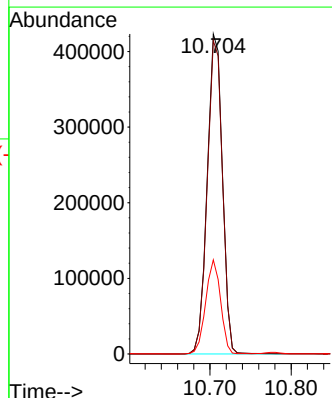
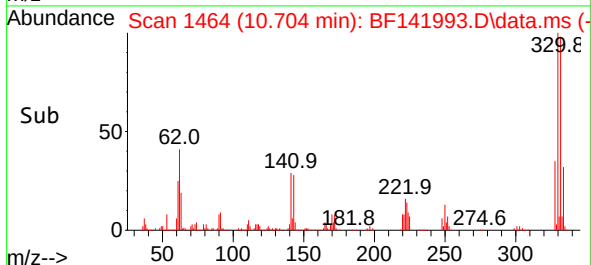
Reviewed By :Anahy Claudio 03/19/2025  
Supervised By :mohammad ahmed 03/24/2025



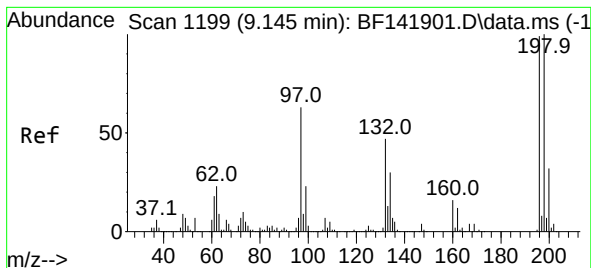
#42  
2,4,6-Tribromophenol  
Concen: 144.553 ng  
RT: 10.704 min Scan# 1464  
Delta R.T. 0.000 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31



Tgt Ion:330 Resp: 547526  
Ion Ratio Lower Upper  
330 100  
332 98.3 77.6 116.4  
141 29.0 24.7 37.1

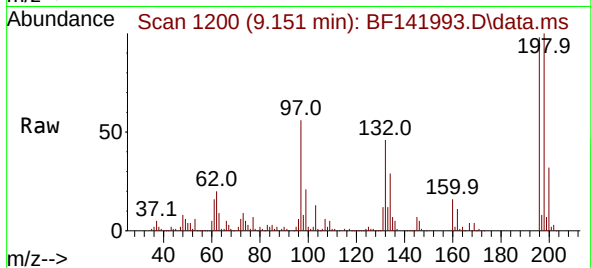






#43  
 2,4,6-Trichlorophenol  
 Concen: 45.658 ng  
 RT: 9.151 min Scan# 1199  
 Delta R.T. 0.006 min  
 Lab File: BF141993.D  
 Acq: 18 Mar 2025 13:31

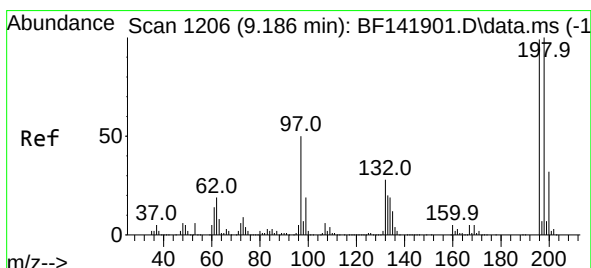
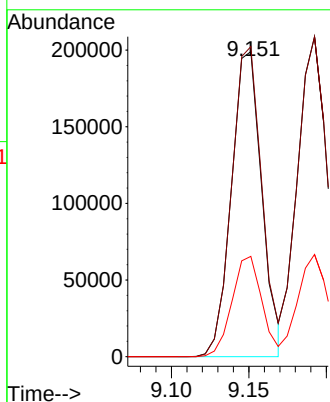
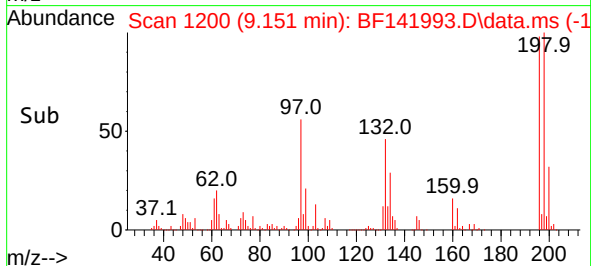
Instrument :  
 BNA\_F  
 ClientSampleId :  
 JC-03-03132025MSD



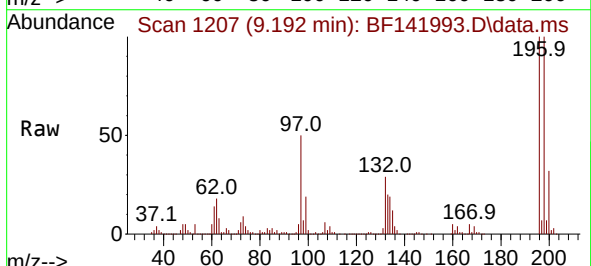
Tgt Ion:196 Resp: 271244  
 Ion Ratio Lower Upper  
 196 100  
 198 101.6 80.6 121.0  
 200 32.9 25.8 38.6

Manual Integrations  
 APPROVED

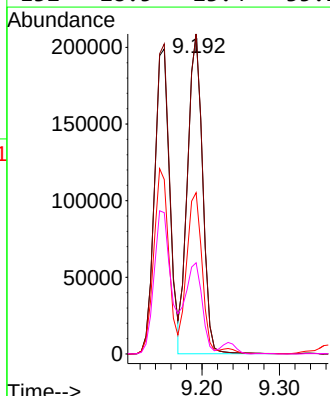
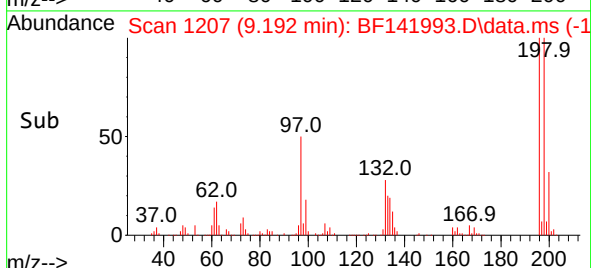
Reviewed By :Anahy Claudio 03/19/2025  
 Supervised By :mohammad ahmed 03/24/2025

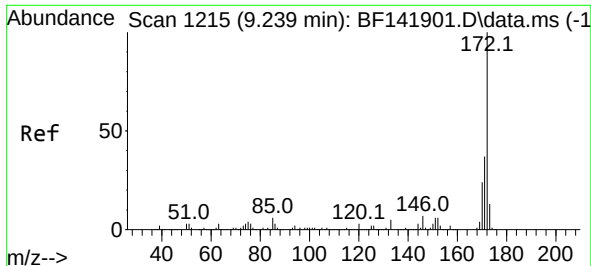


#44  
 2,4,5-Trichlorophenol  
 Concen: 46.754 ng  
 RT: 9.192 min Scan# 1207  
 Delta R.T. 0.006 min  
 Lab File: BF141993.D  
 Acq: 18 Mar 2025 13:31



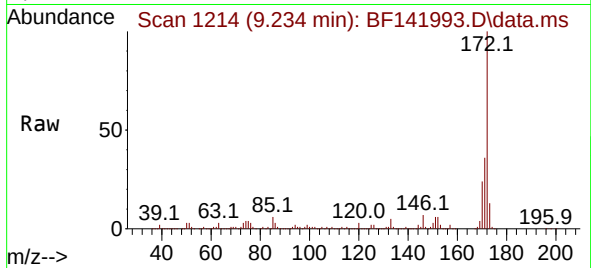
Tgt Ion:196 Resp: 281314  
 Ion Ratio Lower Upper  
 196 100  
 198 100.0 80.7 121.1  
 97 50.4 42.1 63.1  
 132 28.5 23.4 35.2





#45  
2-Fluorobiphenyl  
Concen: 99.221 ng  
RT: 9.234 min Scan# 1214  
Delta R.T. -0.006 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31

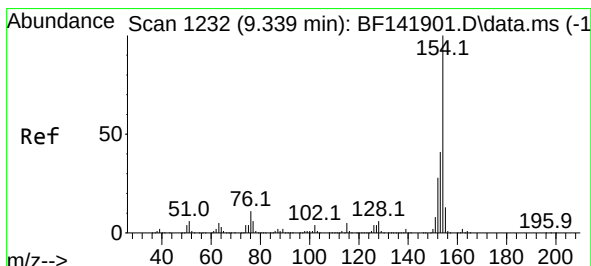
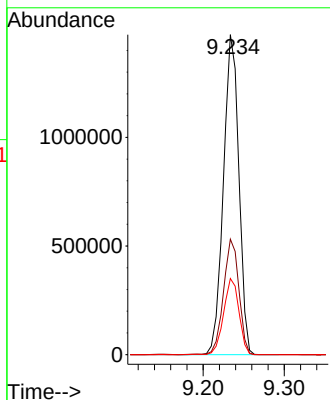
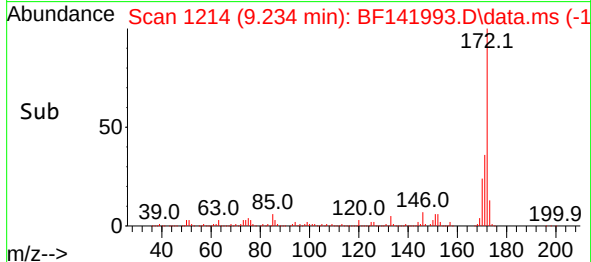
Instrument :  
BNA\_F  
ClientSampleId :  
JC-03-03132025MSD



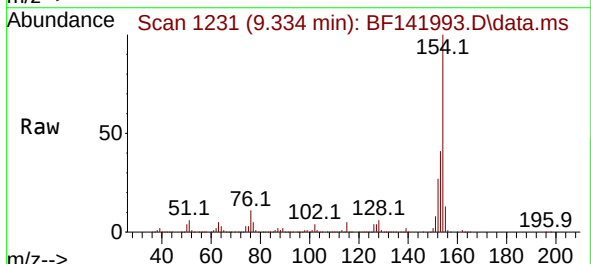
Tgt Ion:172 Resp: 1947912  
Ion Ratio Lower Upper  
172 100  
171 36.1 29.3 43.9  
170 23.8 19.4 29.0

Manual Integrations  
APPROVED

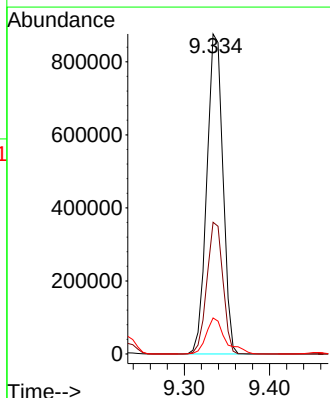
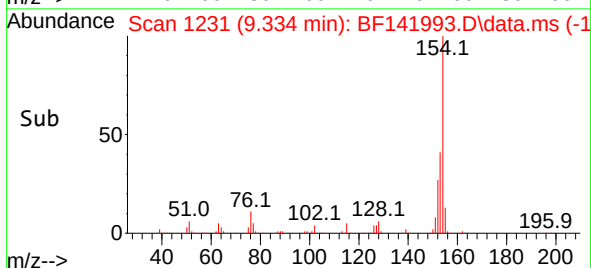
Reviewed By :Anahy Claudio 03/19/2025  
Supervised By :mohammad ahmed 03/24/2025

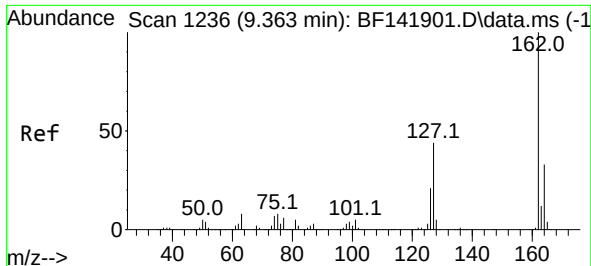


#46  
1,1'-Biphenyl  
Concen: 50.590 ng  
RT: 9.334 min Scan# 1231  
Delta R.T. -0.006 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31



Tgt Ion:154 Resp: 1147658  
Ion Ratio Lower Upper  
154 100  
153 41.1 21.1 61.1  
76 11.2 0.0 31.3





#47

2-Chloronaphthalene

Concen: 45.937 ng

RT: 9.363 min Scan# 1236

Delta R.T. 0.000 min

Lab File: BF141993.D

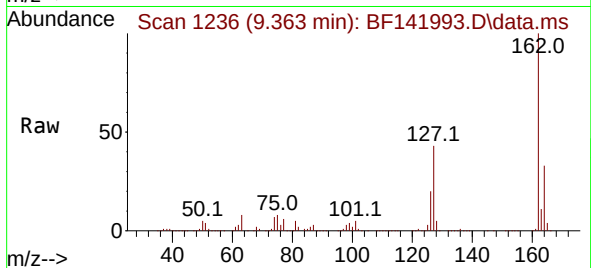
Acq: 18 Mar 2025 13:31

Instrument :

BNA\_F

ClientSampleId :

JC-03-03132025MSD

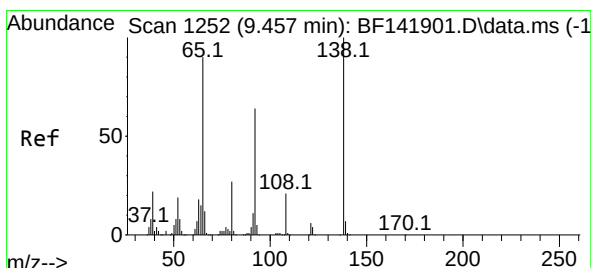
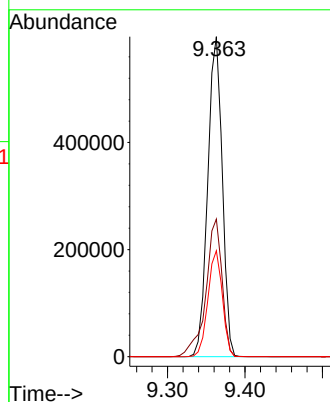
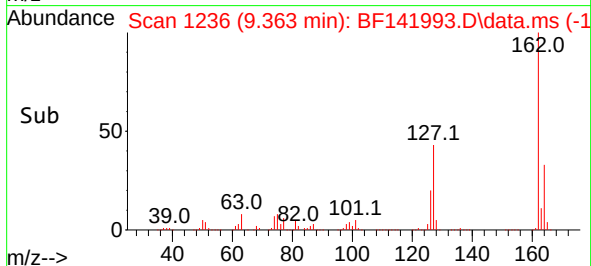


|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 162   | Resp: | 776730 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 127       | 43.0  | 35.5  | 53.3   |
| 164       | 33.1  | 26.6  | 40.0   |

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/19/2025  
Supervised By :mohammad ahmed 03/24/2025



#48

2-Nitroaniline

Concen: 44.355 ng

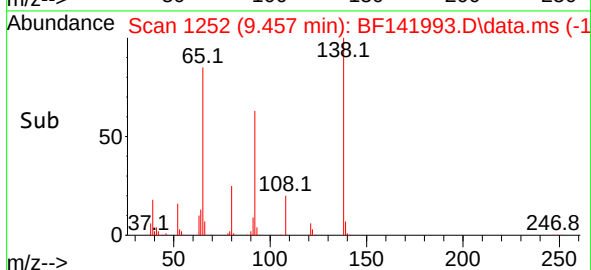
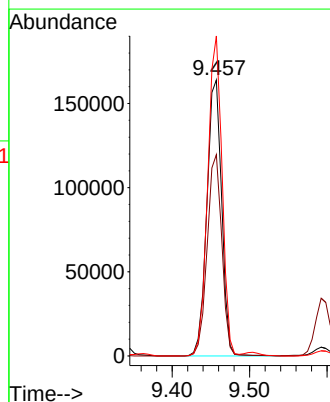
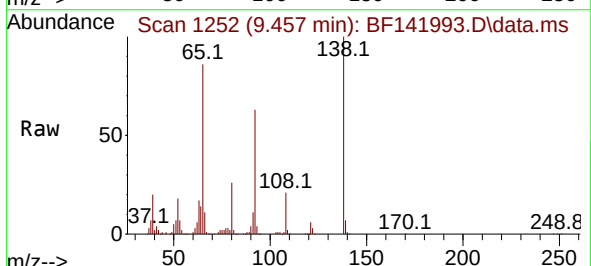
RT: 9.457 min Scan# 1252

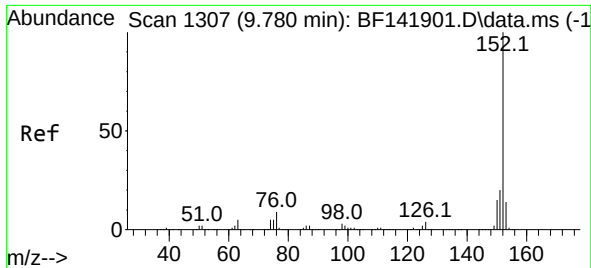
Delta R.T. 0.000 min

Lab File: BF141993.D

Acq: 18 Mar 2025 13:31

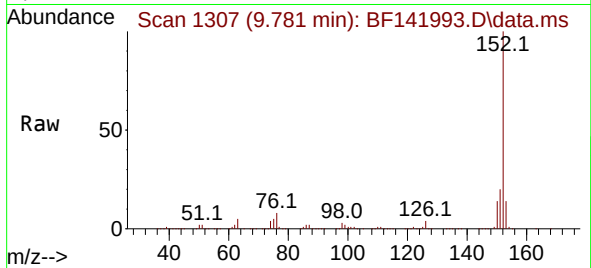
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 65    | Resp: | 217153 |
| Ion Ratio | Lower | Upper |        |
| 65        | 100   |       |        |
| 92        | 72.9  | 56.6  | 84.8   |
| 138       | 116.0 | 88.6  | 133.0  |





#49  
Acenaphthylene  
Concen: 47.721 ng  
RT: 9.781 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31

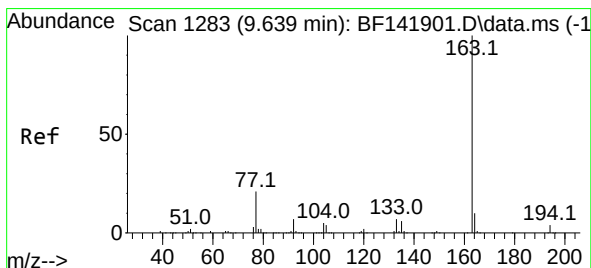
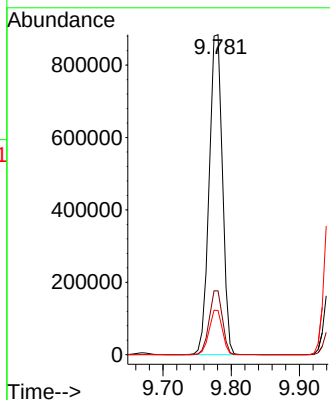
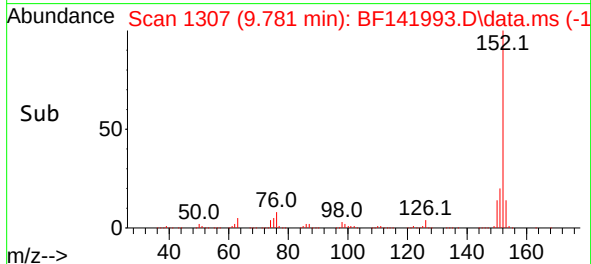
Instrument :  
BNA\_F  
ClientSampleId :  
JC-03-03132025MSD



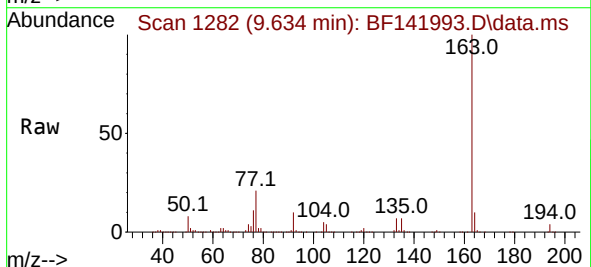
Tgt Ion:152 Resp: 1197410  
Ion Ratio Lower Upper  
152 100  
151 20.0 16.3 24.5  
153 13.8 11.1 16.7

Manual Integrations  
APPROVED

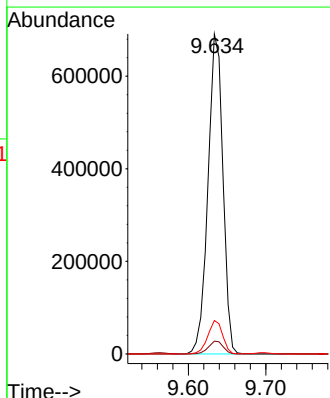
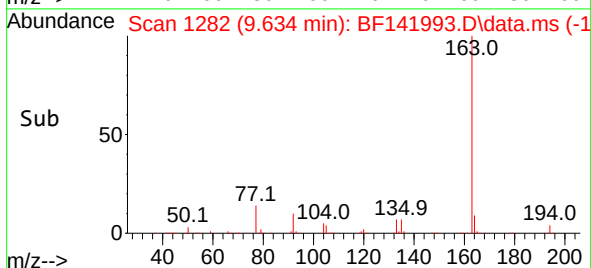
Reviewed By :Anahy Claudio 03/19/2025  
Supervised By :mohammad ahmed 03/24/2025

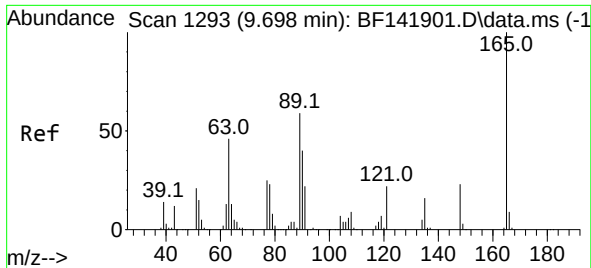


#50  
Dimethylphthalate  
Concen: 44.238 ng  
RT: 9.634 min Scan# 1282  
Delta R.T. -0.006 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31



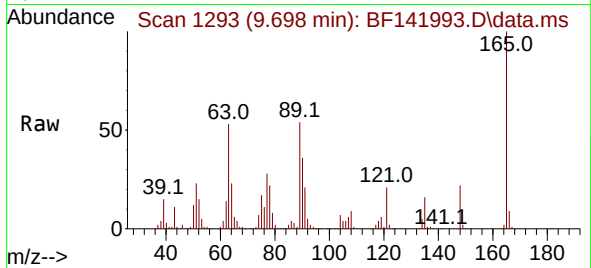
Tgt Ion:163 Resp: 924934  
Ion Ratio Lower Upper  
163 100  
194 4.0 3.1 4.7  
164 10.4 8.2 12.4





#51  
2,6-Dinitrotoluene  
Concen: 45.578 ng  
RT: 9.698 min Scan# 1293  
Delta R.T. 0.000 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31

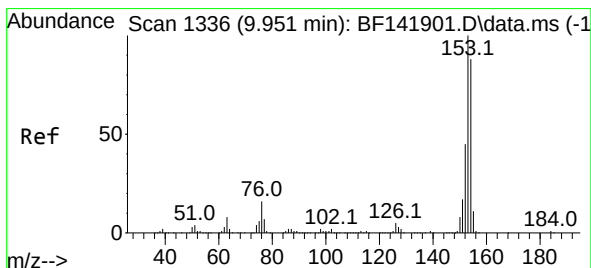
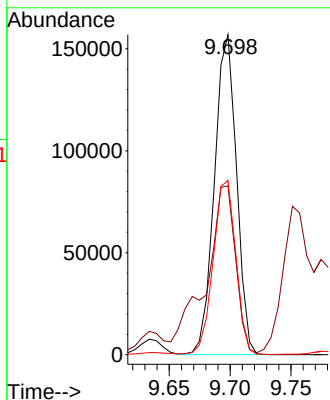
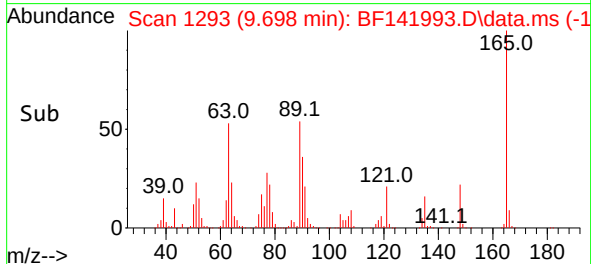
Instrument :  
BNA\_F  
ClientSampleId :  
JC-03-03132025MSD



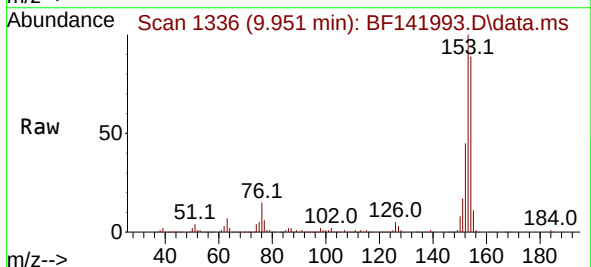
Tgt Ion:165 Resp: 19841  
Ion Ratio Lower Upper  
165 100  
63 52.8 47.0 70.4  
89 54.5 47.4 71.2

Manual Integrations  
APPROVED

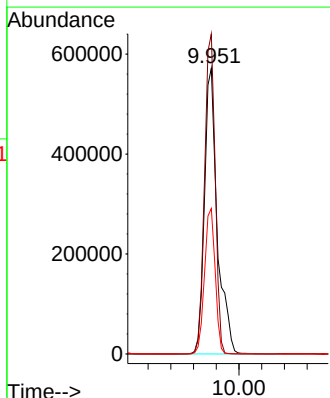
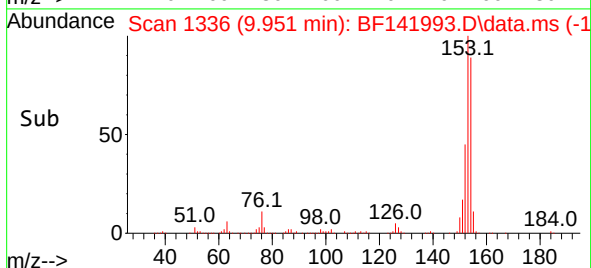
Reviewed By :Anahy Claudio 03/19/2025  
Supervised By :mohammad ahmed 03/24/2025

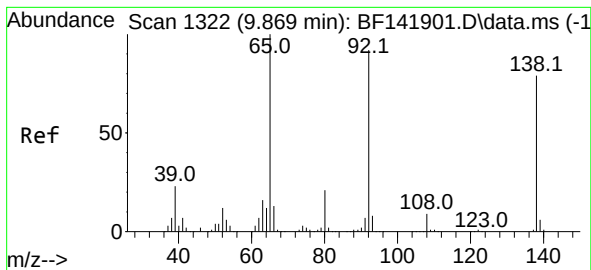


#52  
Acenaphthene  
Concen: 50.651 ng  
RT: 9.951 min Scan# 1336  
Delta R.T. 0.000 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31



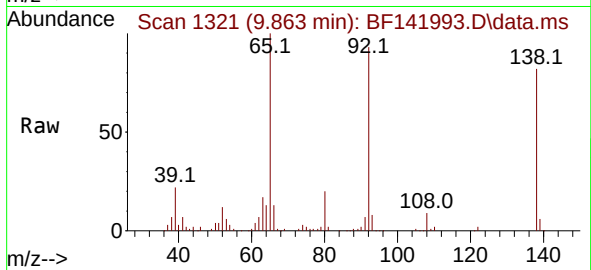
Tgt Ion:154 Resp: 893147  
Ion Ratio Lower Upper  
154 100  
153 112.0 90.7 136.1  
152 50.9 41.1 61.7





#53  
3-Nitroaniline  
Concen: 12.160 ng  
RT: 9.863 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31

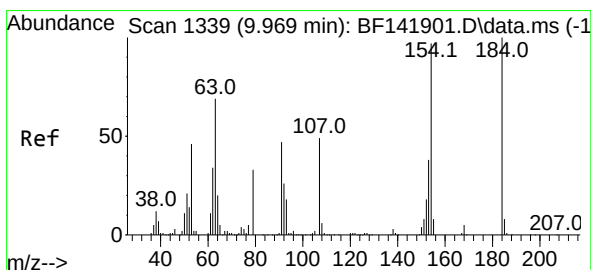
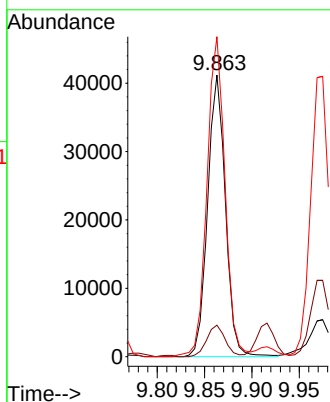
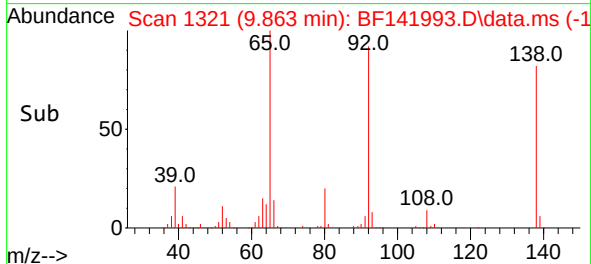
Instrument :  
BNA\_F  
ClientSampleId :  
JC-03-03132025MSD



Tgt Ion:138 Resp: 5369  
Ion Ratio Lower Upper  
138 100  
108 11.2 9.3 13.9  
92 113.6 93.5 140.3

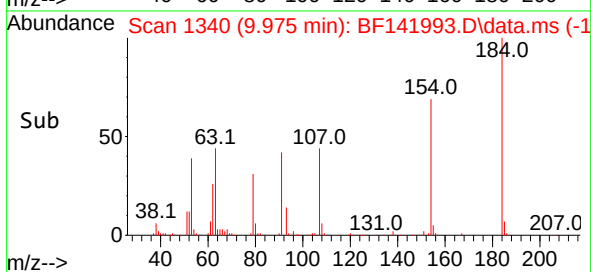
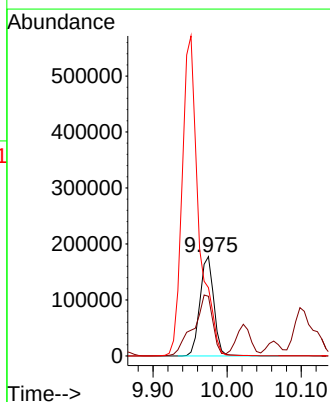
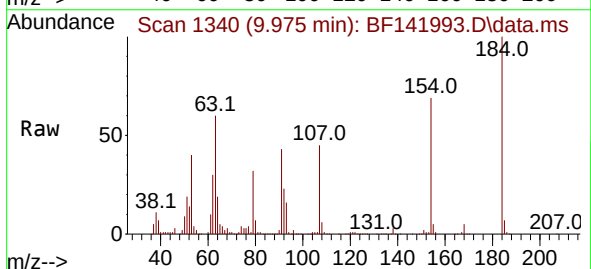
Manual Integrations  
APPROVED

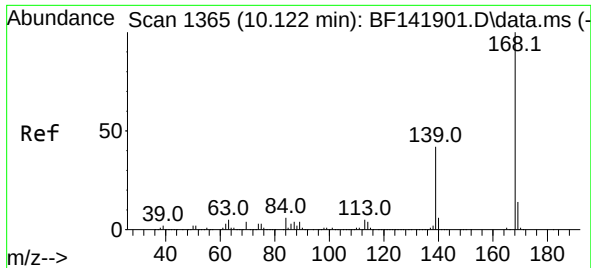
Reviewed By :Anahy Claudio 03/19/2025  
Supervised By :mohammad ahmed 03/24/2025



#54  
2,4-Dinitrophenol  
Concen: 92.501 ng  
RT: 9.975 min Scan# 1340  
Delta R.T. 0.006 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31

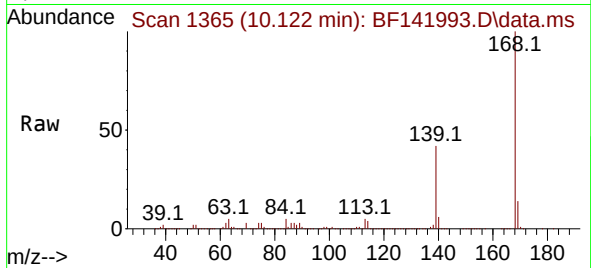
Tgt Ion:184 Resp: 231559  
Ion Ratio Lower Upper  
184 100  
63 60.0 60.2 90.4#  
154 68.8 132.9 199.3#





#55  
Dibenzenofuran  
Concen: 43.274 ng  
RT: 10.122 min Scan# 1365  
Delta R.T. 0.000 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31

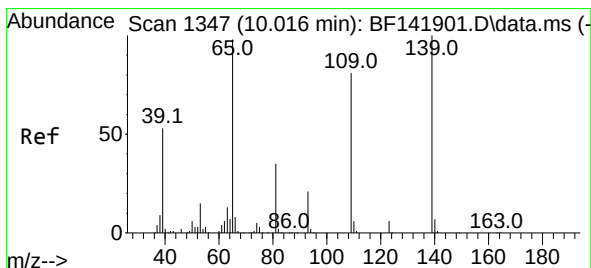
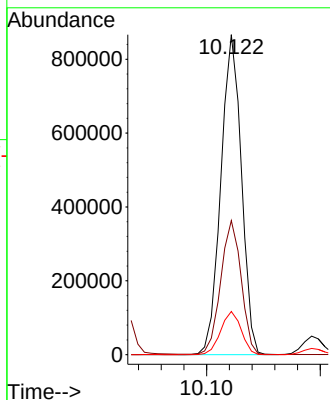
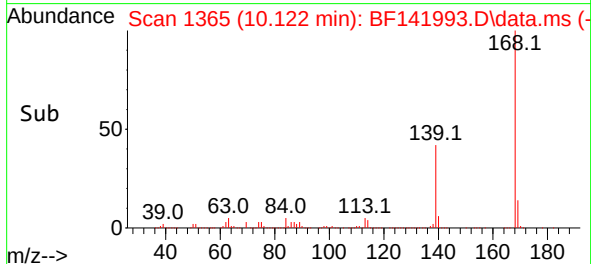
Instrument :  
BNA\_F  
ClientSampleId :  
JC-03-03132025MSD



Tgt Ion:168 Resp: 1090329  
Ion Ratio Lower Upper  
168 100  
139 41.9 33.9 50.9  
169 13.5 11.0 16.4

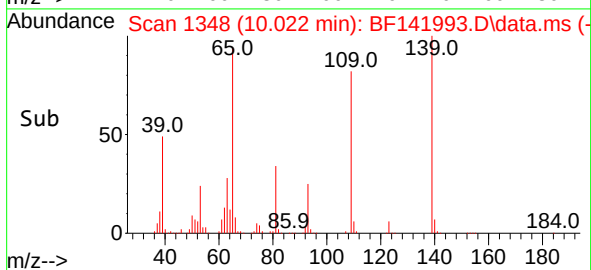
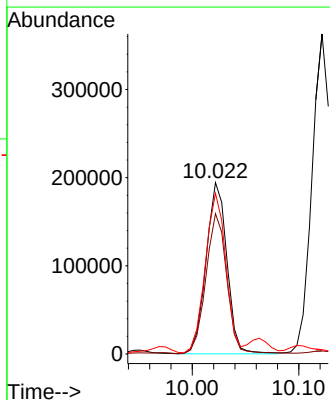
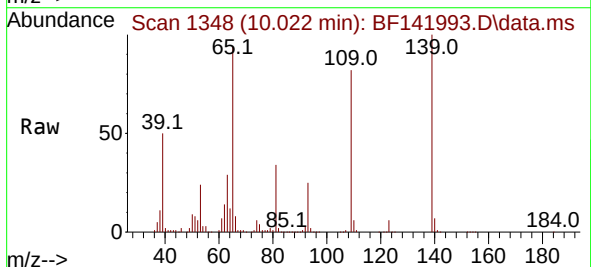
Manual Integrations  
APPROVED

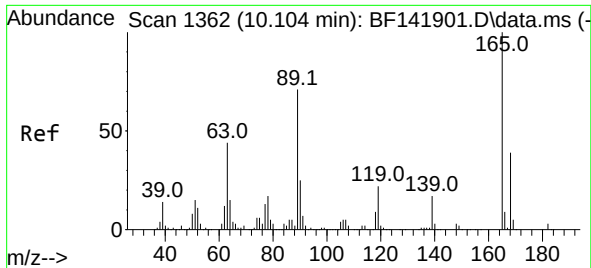
Reviewed By :Anahy Claudio 03/19/2025  
Supervised By :mohammad ahmed 03/24/2025



#56  
4-Nitrophenol  
Concen: 79.177 ng  
RT: 10.022 min Scan# 1348  
Delta R.T. 0.006 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31

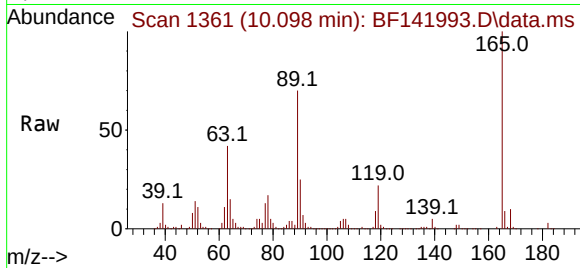
Tgt Ion:139 Resp: 263665  
Ion Ratio Lower Upper  
139 100  
109 81.9 61.6 101.6  
65 93.8 79.4 119.4





#57  
2,4-Dinitrotoluene  
Concen: 47.015 ng  
RT: 10.098 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31

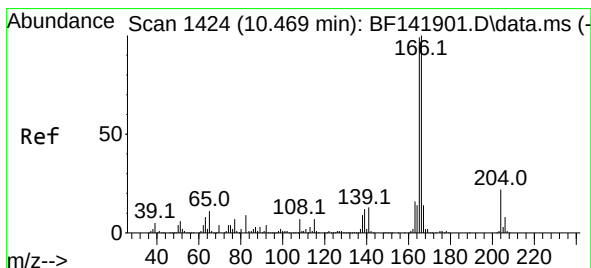
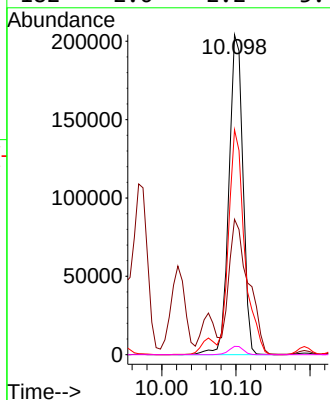
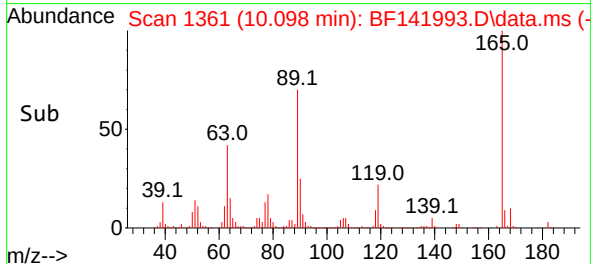
Instrument :  
BNA\_F  
ClientSampleId :  
JC-03-03132025MSD



Tgt Ion:165 Resp: 267310  
Ion Ratio Lower Upper  
165 100  
63 42.3 35.4 53.2  
89 70.3 56.6 84.8  
182 2.6 2.2 3.4

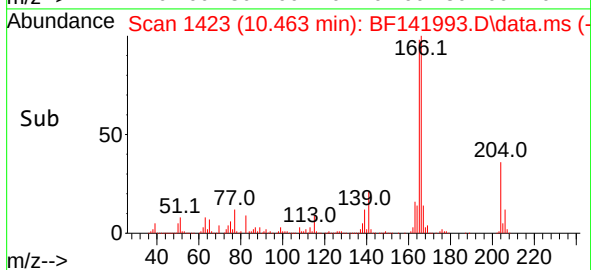
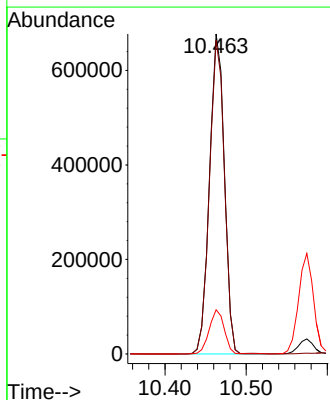
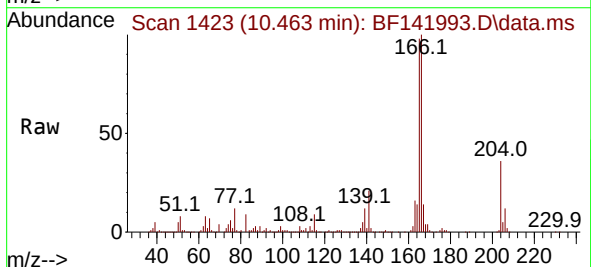
Manual Integrations  
APPROVED

Reviewed By :Anahy Claudio 03/19/2025  
Supervised By :mohammad ahmed 03/24/2025

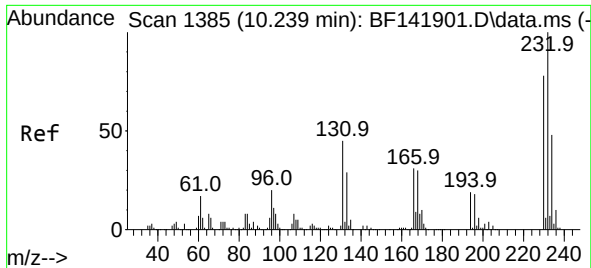


#58  
Fluorene  
Concen: 44.339 ng  
RT: 10.463 min Scan# 1423  
Delta R.T. -0.006 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31

Tgt Ion:166 Resp: 861532  
Ion Ratio Lower Upper  
166 100  
165 98.0 79.0 118.4  
167 13.8 11.0 16.4

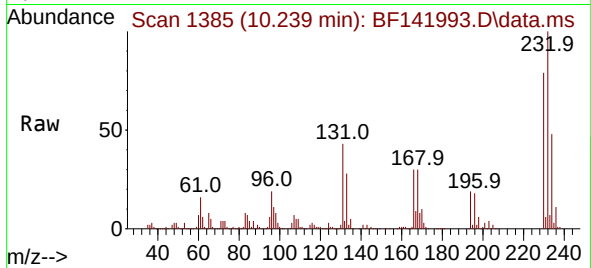






#59  
2,3,4,6-Tetrachlorophenol  
Concen: 44.233 ng  
RT: 10.239 min Scan# 1385  
Delta R.T. 0.000 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31

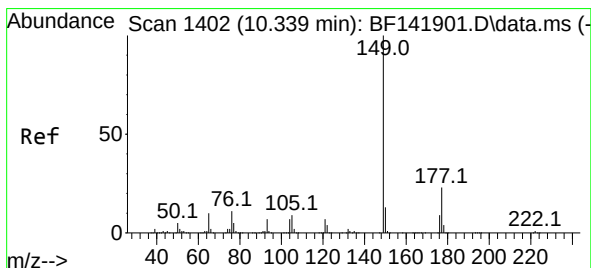
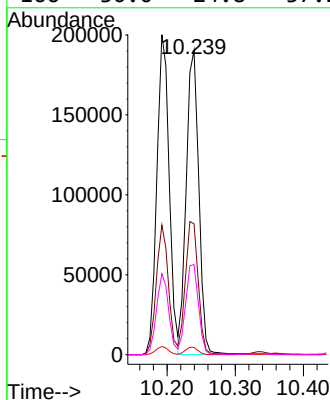
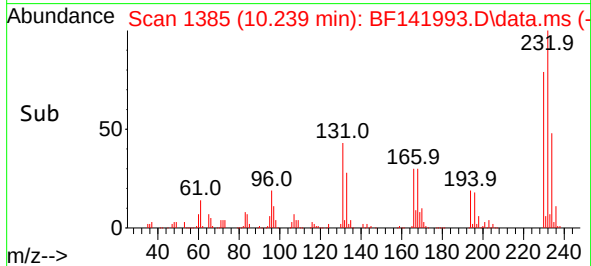
Instrument :  
BNA\_F  
ClientSampleId :  
JC-03-03132025MSD



Tgt Ion:232 Resp: 24218  
Ion Ratio Lower Upper  
232 100  
131 44.6 37.3 55.9  
130 2.5 1.9 2.9  
166 30.0 24.8 37.2

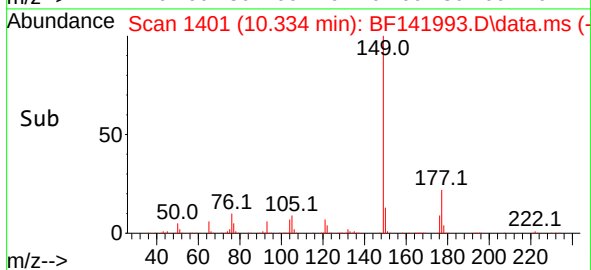
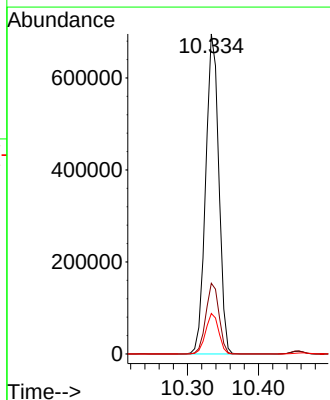
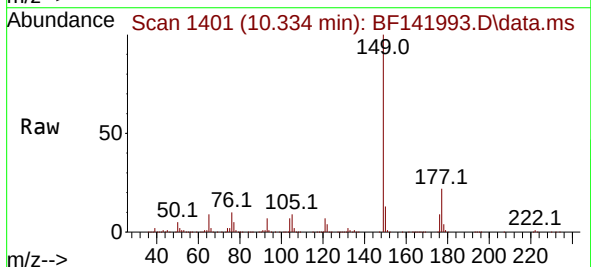
Manual Integrations  
APPROVED

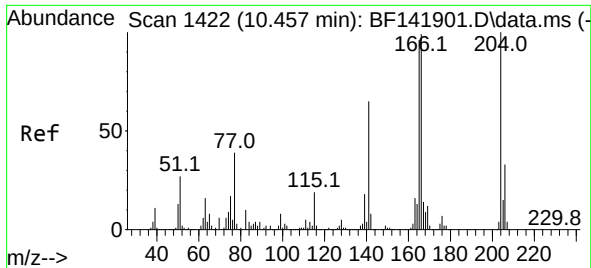
Reviewed By :Anahy Claudio 03/19/2025  
Supervised By :mohammad ahmed 03/24/2025



#60  
Diethylphthalate  
Concen: 42.892 ng  
RT: 10.334 min Scan# 1401  
Delta R.T. -0.006 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31

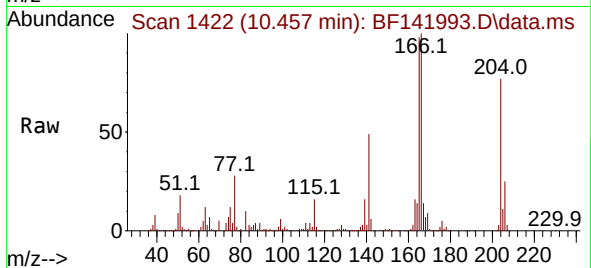
Tgt Ion:149 Resp: 894203  
Ion Ratio Lower Upper  
149 100  
177 22.1 18.0 27.0  
150 12.6 10.2 15.4





#61  
4-Chlorophenyl-phenylether  
Concen: 44.899 ng  
RT: 10.457 min Scan# 1422  
Delta R.T. 0.000 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31

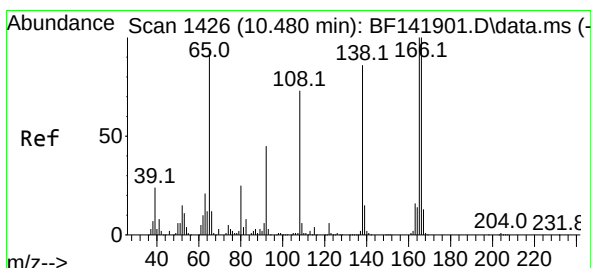
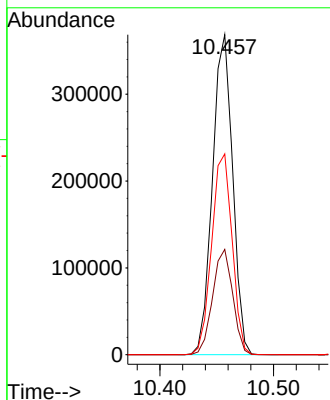
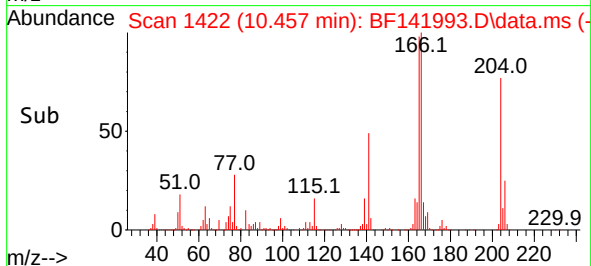
Instrument :  
BNA\_F  
ClientSampleId :  
JC-03-03132025MSD



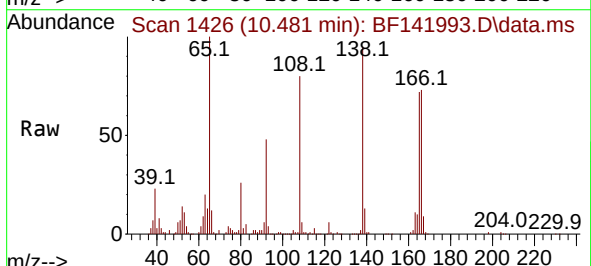
Tgt Ion:204 Resp: 454829  
Ion Ratio Lower Upper  
204 100  
206 32.9 26.8 40.2  
141 62.7 52.4 78.6

Manual Integrations  
APPROVED

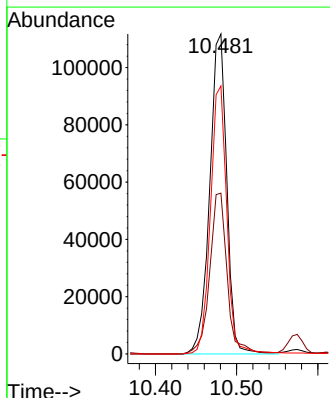
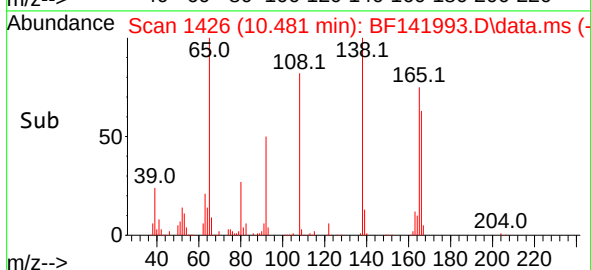
Reviewed By :Anahy Claudio 03/19/2025  
Supervised By :mohammad ahmed 03/24/2025

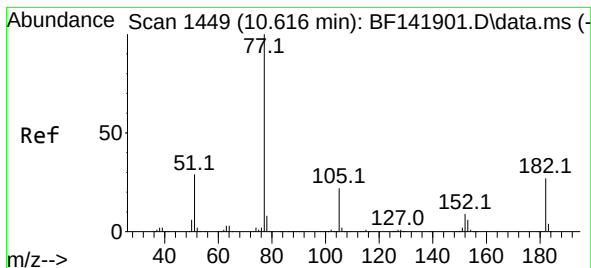


#62  
4-Nitroaniline  
Concen: 37.858 ng  
RT: 10.481 min Scan# 1426  
Delta R.T. 0.000 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31



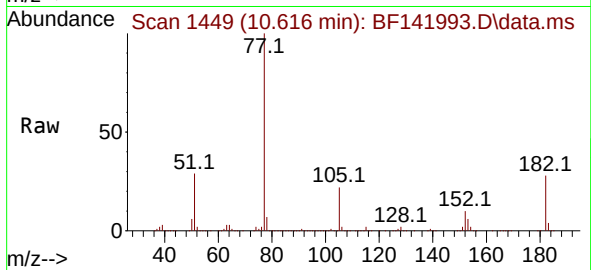
Tgt Ion:138 Resp: 162752  
Ion Ratio Lower Upper  
138 100  
92 50.3 32.6 72.6  
108 83.8 65.0 105.0





#63  
Azobenzene  
Concen: 41.682 ng  
RT: 10.616 min Scan# 1449  
Delta R.T. 0.000 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31

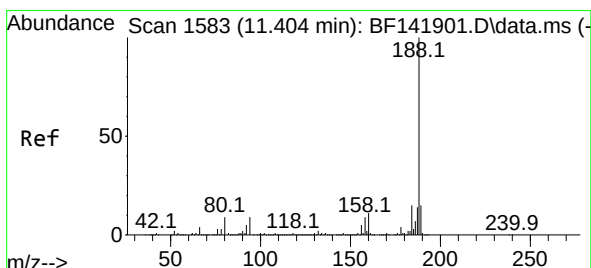
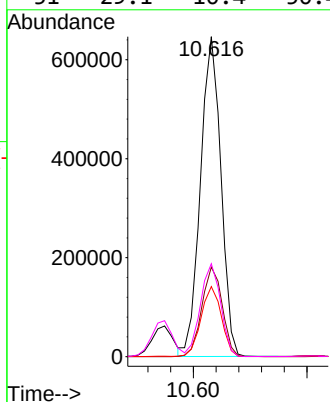
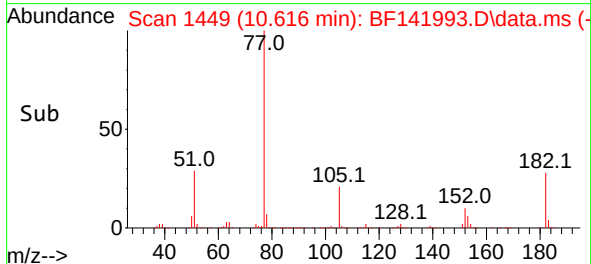
Instrument :  
BNA\_F  
ClientSampleId :  
JC-03-03132025MSD



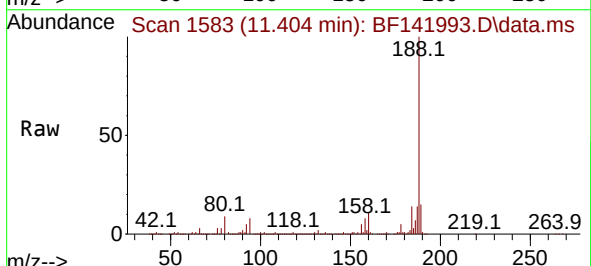
Tgt Ion: 77 Resp: 807900  
Ion Ratio Lower Upper  
77 100  
182 28.0 6.6 46.6  
105 21.9 1.3 41.3  
51 29.1 10.4 50.4

Manual Integrations  
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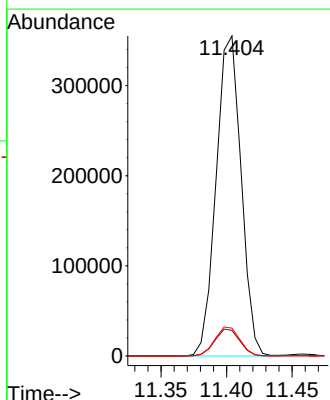
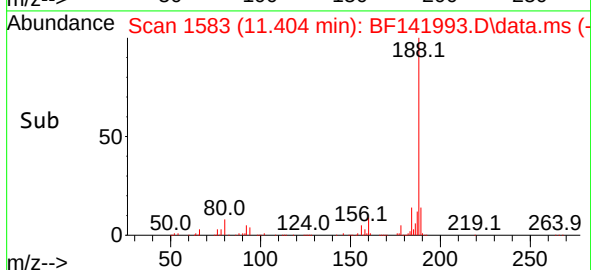
Reviewed By :Anahy Claudio 03/19/2025  
Supervised By :mohammad ahmed 03/24/2025

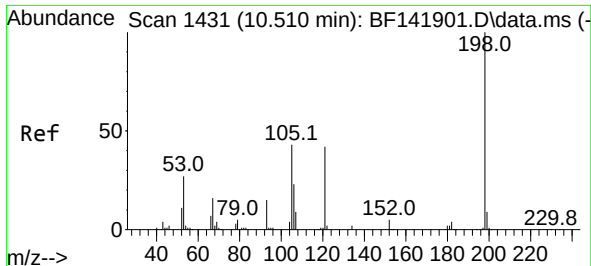


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.404 min Scan# 1583  
Delta R.T. 0.000 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31



Tgt Ion:188 Resp: 470466  
Ion Ratio Lower Upper  
188 100  
94 8.0 6.8 10.2  
80 8.7 7.6 11.4





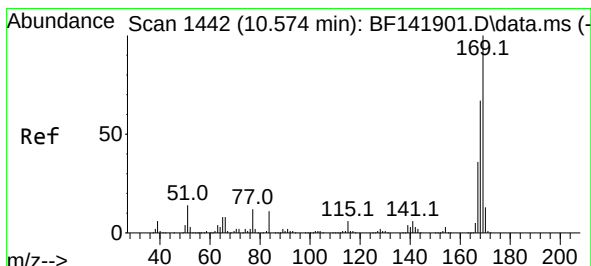
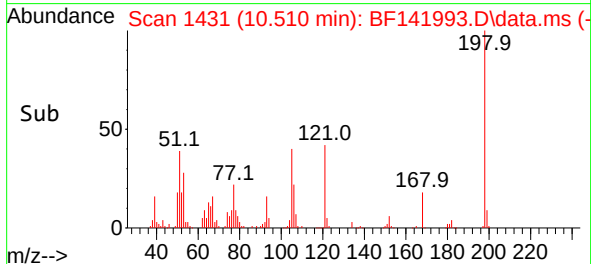
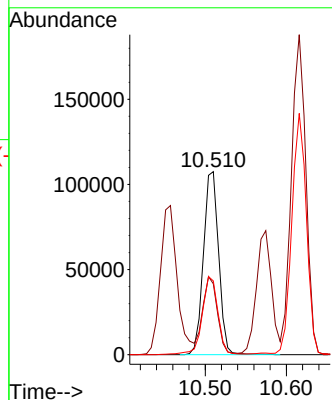
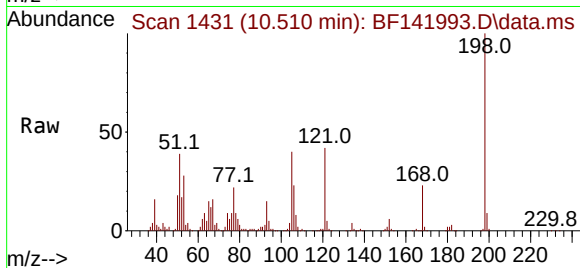
#65  
4,6-Dinitro-2-methylphenol  
Concen: 49.802 ng  
RT: 10.510 min Scan# 1431  
Delta R.T. -0.000 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31

Instrument :  
BNA\_F  
ClientSampleId :  
JC-03-03132025MSD

Tgt Ion:198 Resp: 139678  
Ion Ratio Lower Upper  
198 100  
51 38.7 22.3 62.3  
105 40.3 23.0 63.0

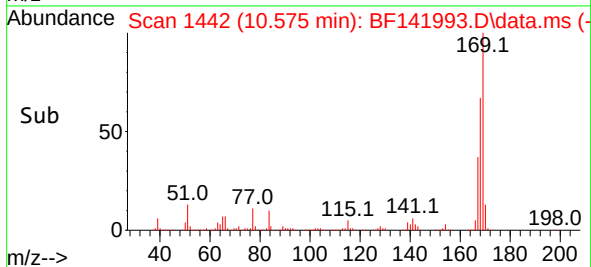
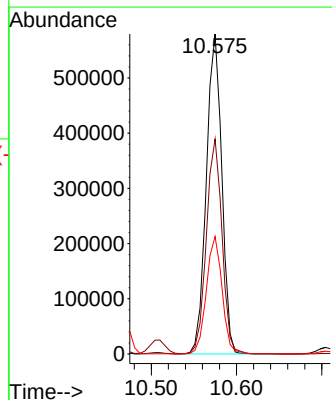
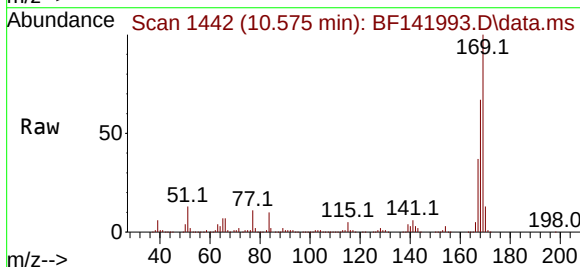
Manual Integrations  
APPROVED

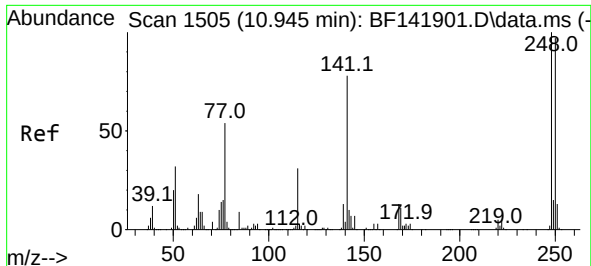
Reviewed By :Anahy Claudio 03/19/2025  
Supervised By :mohammad ahmed 03/24/2025



#66  
n-Nitrosodiphenylamine  
Concen: 47.911 ng  
RT: 10.575 min Scan# 1442  
Delta R.T. 0.000 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31

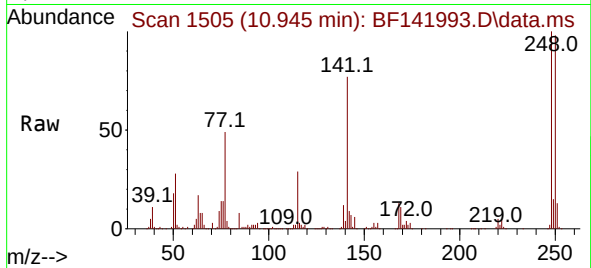
Tgt Ion:169 Resp: 729426  
Ion Ratio Lower Upper  
169 100  
168 67.2 53.7 80.5  
167 36.7 29.2 43.8





#67  
4-Bromophenyl-phenylether  
Concen: 47.932 ng  
RT: 10.945 min Scan# 1505  
Delta R.T. 0.000 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31

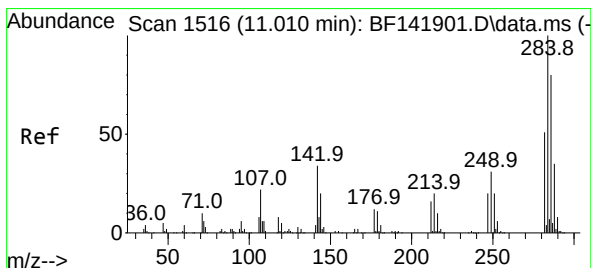
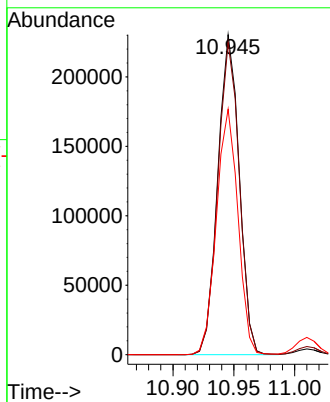
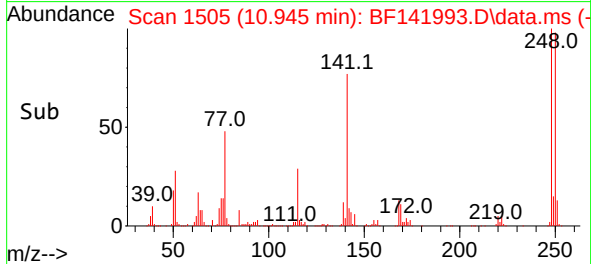
Instrument :  
BNA\_F  
ClientSampleId :  
JC-03-03132025MSD



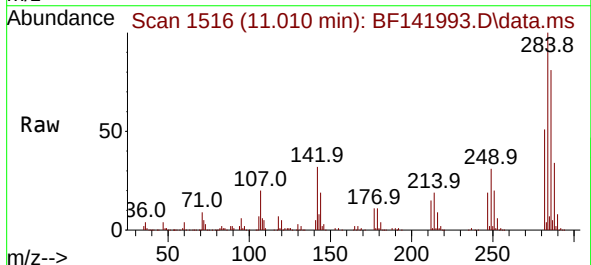
Tgt Ion:248 Resp: 283205  
Ion Ratio Lower Upper  
248 100  
250 97.5 77.8 116.8  
141 76.7 62.6 93.8

Manual Integrations  
APPROVED

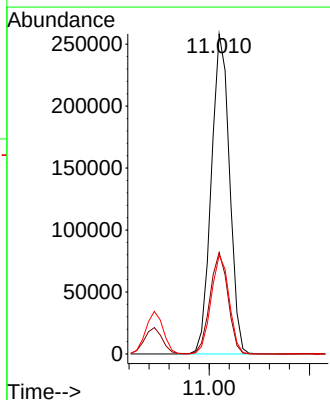
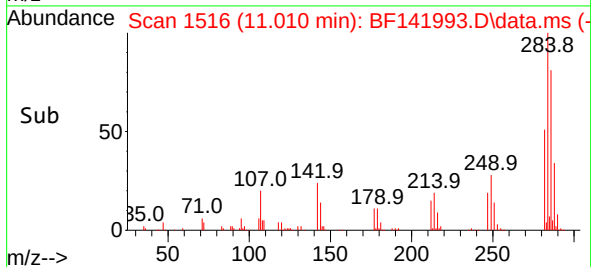
Reviewed By :Anahy Claudio 03/19/2025  
Supervised By :mohammad ahmed 03/24/2025

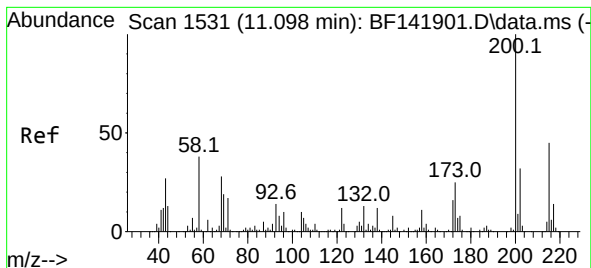


#68  
Hexachlorobenzene  
Concen: 50.043 ng  
RT: 11.010 min Scan# 1516  
Delta R.T. 0.000 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31



Tgt Ion:284 Resp: 324295  
Ion Ratio Lower Upper  
284 100  
142 31.7 27.0 40.6  
249 30.9 25.2 37.8





#69

Atrazine

Concen: 56.733 ng

RT: 11.098 min Scan# 1531

Delta R.T. 0.000 min

Lab File: BF141993.D

Acq: 18 Mar 2025 13:31

Instrument :

BNA\_F

ClientSampleId :

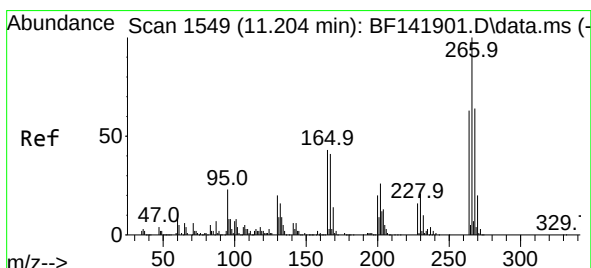
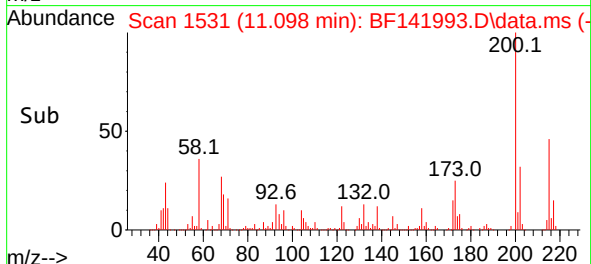
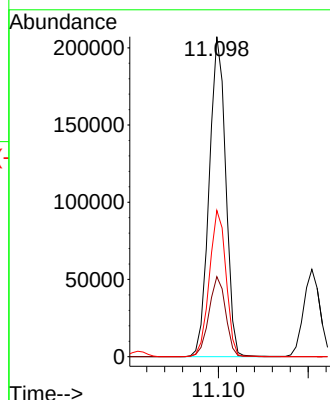
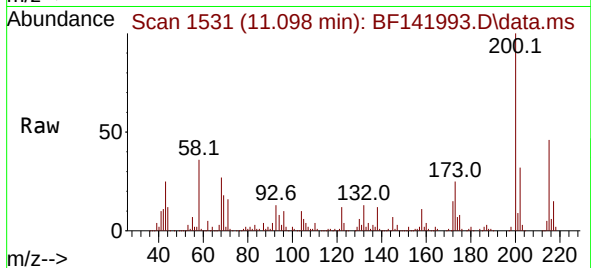
JC-03-03132025MSD

Tgt Ion:200 Resp: 264785  
 Ion Ratio Lower Upper  
 200 100  
 173 25.0 4.7 44.7  
 215 45.7 25.4 65.4

Manual Integrations

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Reviewed By :Anahy Claudio 03/19/2025  
 Supervised By :mohammad ahmed 03/24/2025



#70

Pentachlorophenol

Concen: 94.300 ng

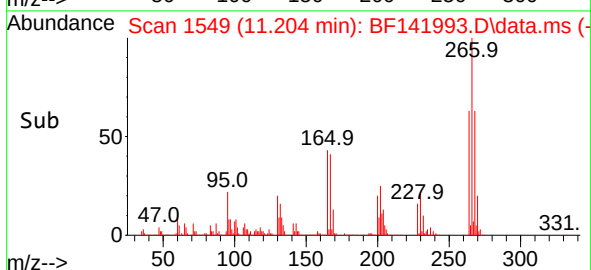
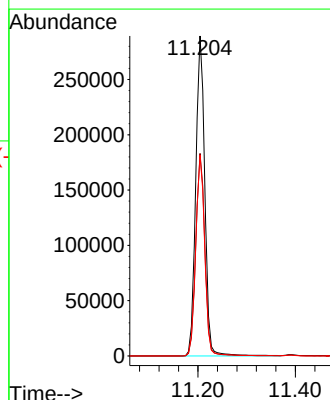
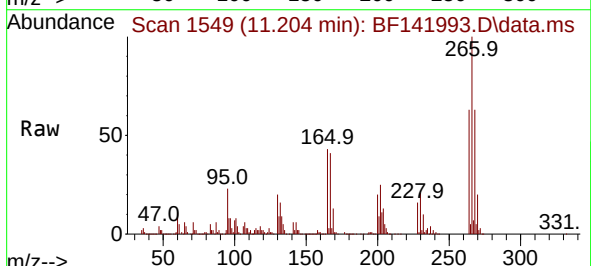
RT: 11.204 min Scan# 1549

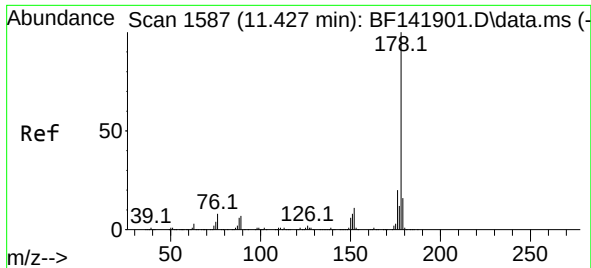
Delta R.T. 0.000 min

Lab File: BF141993.D

Acq: 18 Mar 2025 13:31

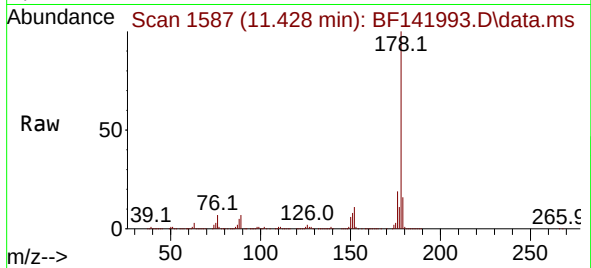
Tgt Ion:266 Resp: 376512  
 Ion Ratio Lower Upper  
 266 100  
 268 63.3 51.0 76.6  
 264 62.8 50.2 75.2





#71  
Phenanthrene  
Concen: 46.630 ng  
RT: 11.428 min Scan# 1587  
Delta R.T. 0.000 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31

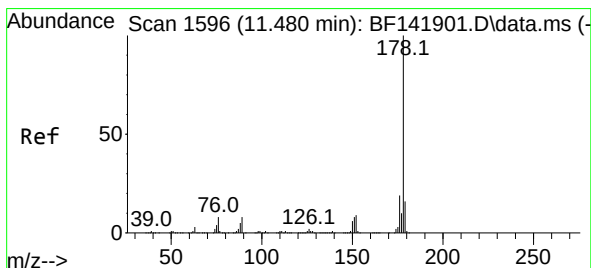
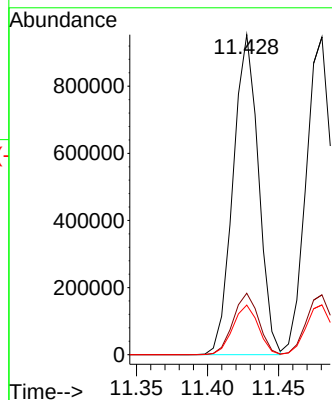
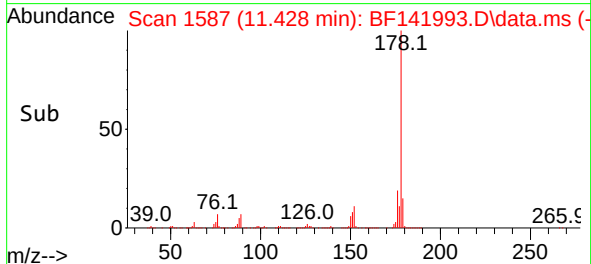
Instrument :  
BNA\_F  
ClientSampleId :  
JC-03-03132025MSD



Tgt Ion:178 Resp: 1184930  
Ion Ratio Lower Upper  
178 100  
176 19.2 15.8 23.8  
179 15.5 12.6 19.0

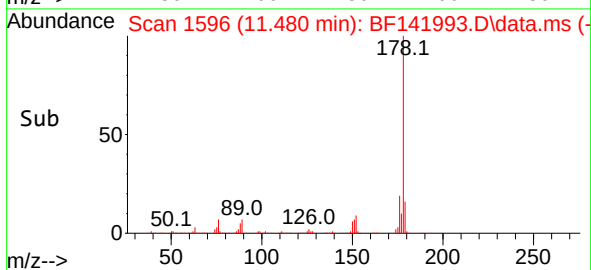
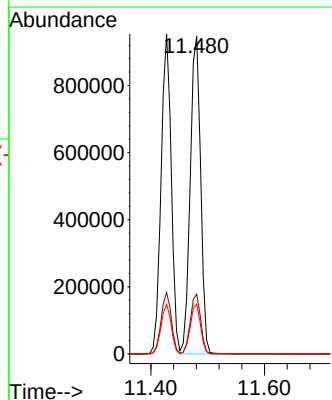
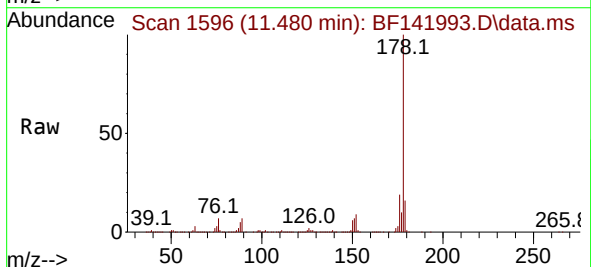
Manual Integrations  
APPROVED

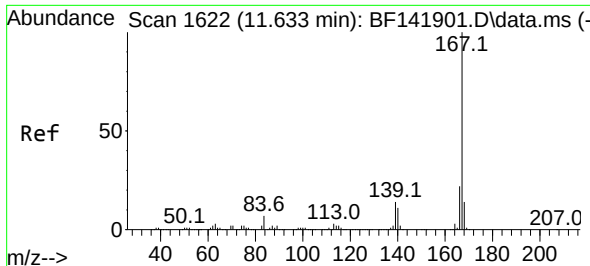
Reviewed By :Anahy Claudio 03/19/2025  
Supervised By :mohammad ahmed 03/24/2025



#72  
Anthracene  
Concen: 47.150 ng  
RT: 11.480 min Scan# 1596  
Delta R.T. 0.000 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31

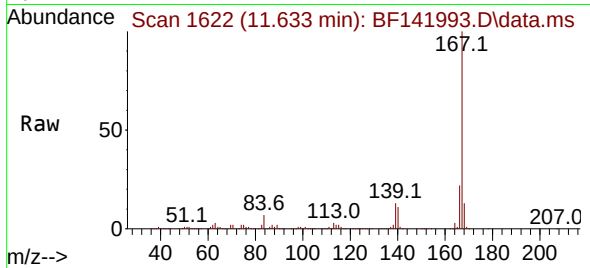
Tgt Ion:178 Resp: 1202057  
Ion Ratio Lower Upper  
178 100  
176 18.8 15.1 22.7  
179 15.6 12.6 19.0





#73  
 Carbazole  
 Concen: 42.945 ng  
 RT: 11.633 min Scan# 1622  
 Delta R.T. 0.000 min  
 Lab File: BF141993.D  
 Acq: 18 Mar 2025 13:31

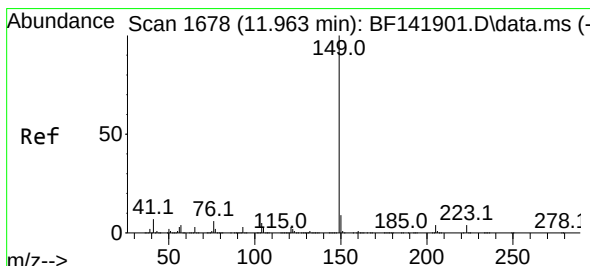
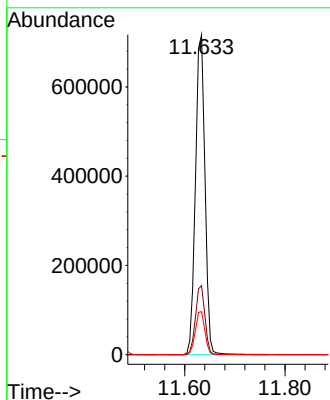
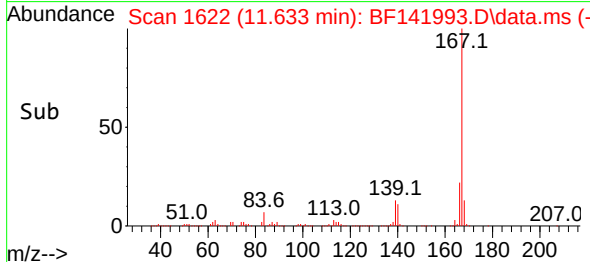
Instrument :  
 BNA\_F  
 ClientSampleId :  
 JC-03-03132025MSD



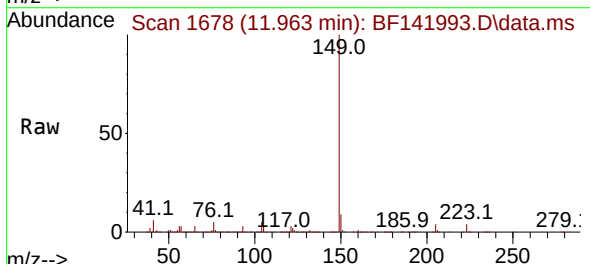
Tgt Ion:167 Resp: 944218  
 Ion Ratio Lower Upper  
 167 100  
 166 21.6 17.4 26.2  
 139 13.5 11.0 16.6

Manual Integrations  
 APPROVED

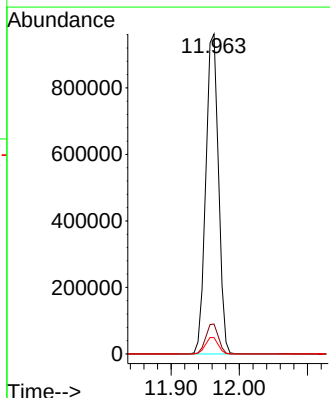
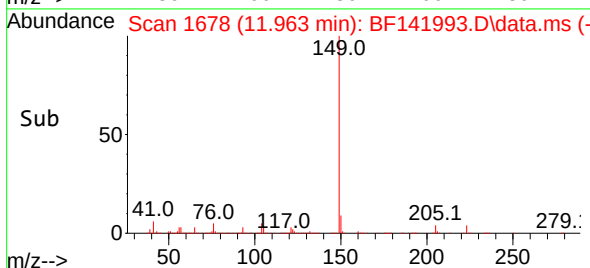
Reviewed By :Anahy Claudio 03/19/2025  
 Supervised By :mohammad ahmed 03/24/2025



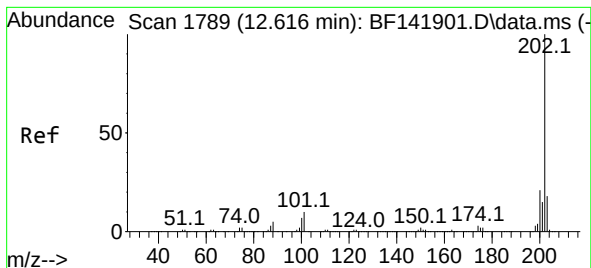
#74  
 Di-n-butylphthalate  
 Concen: 42.737 ng  
 RT: 11.963 min Scan# 1678  
 Delta R.T. 0.000 min  
 Lab File: BF141993.D  
 Acq: 18 Mar 2025 13:31



Tgt Ion:149 Resp: 1246779  
 Ion Ratio Lower Upper  
 149 100  
 150 9.3 7.6 11.4  
 104 5.1 4.4 6.6

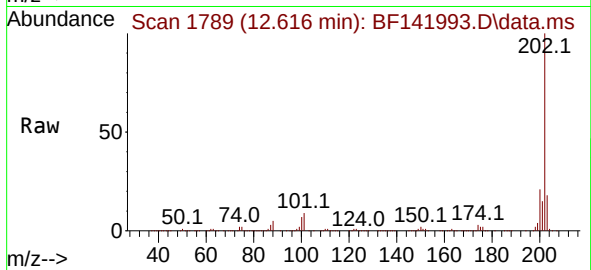






#75  
Fluoranthene  
Concen: 41.046 ng  
RT: 12.616 min Scan# 1789  
Delta R.T. 0.000 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31

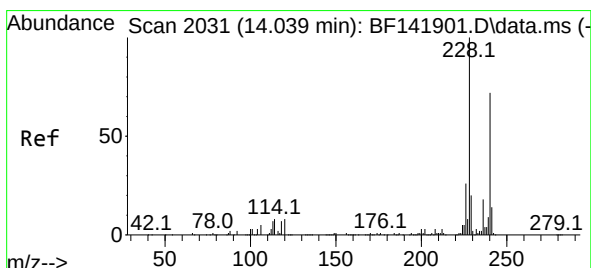
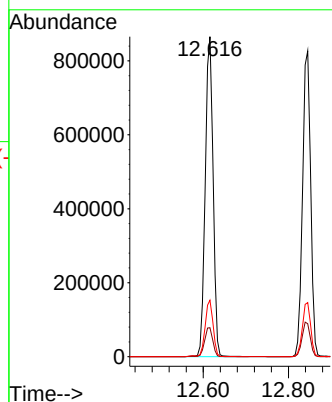
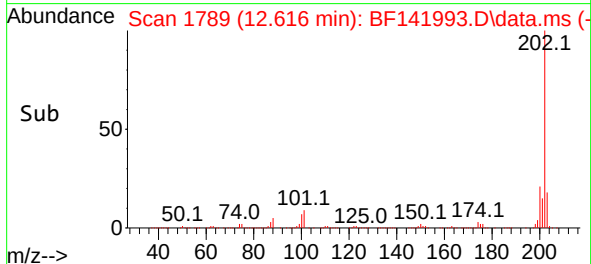
Instrument :  
BNA\_F  
ClientSampleId :  
JC-03-03132025MSD



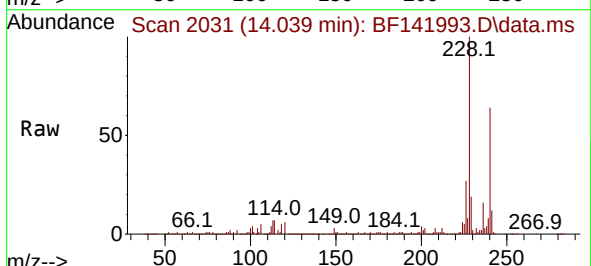
Tgt Ion:202 Resp: 1106420  
Ion Ratio Lower Upper  
202 100  
101 9.0 0.0 29.7  
203 17.6 0.0 37.8

Manual Integrations  
APPROVED

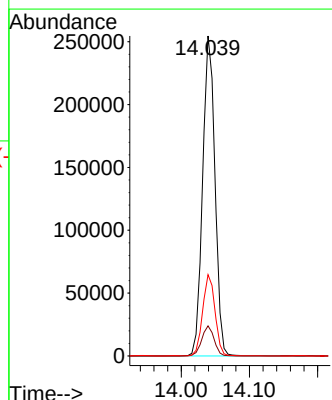
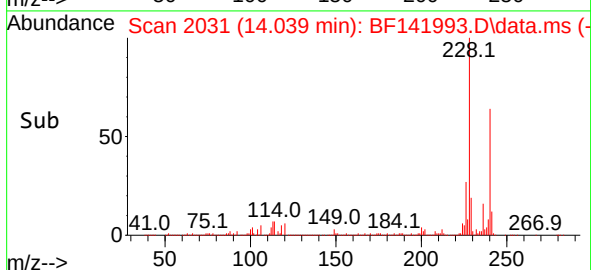
Reviewed By :Anahy Claudio 03/19/2025  
Supervised By :mohammad ahmed 03/24/2025

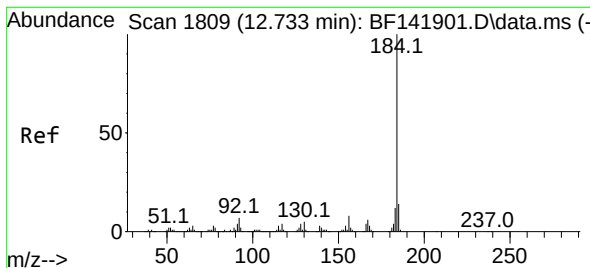


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.039 min Scan# 2031  
Delta R.T. 0.000 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31



Tgt Ion:240 Resp: 320562  
Ion Ratio Lower Upper  
240 100  
120 9.4 8.4 12.6  
236 25.4 20.5 30.7





#77

Benzidine

Concen: 15.413 ng

RT: 12.733 min Scan# 1809

Delta R.T. 0.000 min

Lab File: BF141993.D

Acq: 18 Mar 2025 13:31

Instrument :

BNA\_F

ClientSampleId :

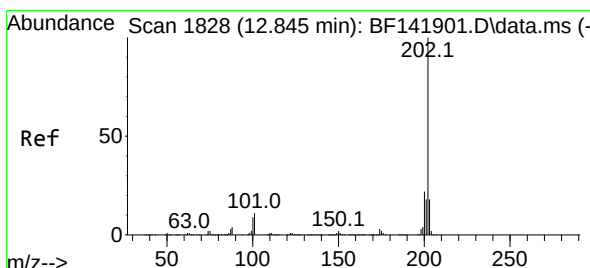
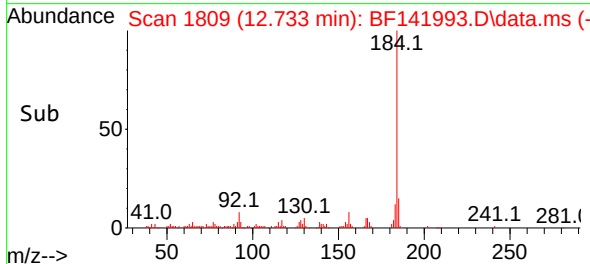
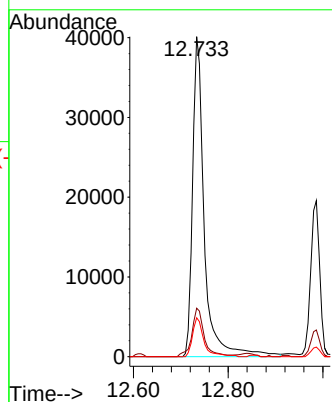
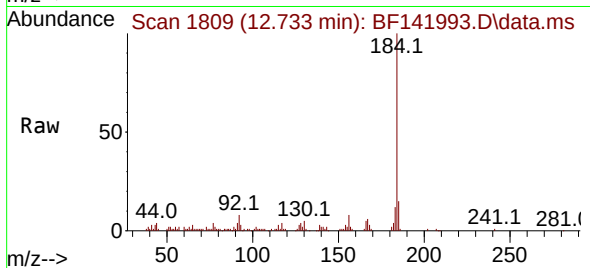
JC-03-03132025MSD

Tgt Ion:184 Resp: 68935  
 Ion Ratio Lower Upper  
 184 100  
 185 15.1 11.5 17.3  
 183 12.1 9.7 14.5

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/19/2025  
 Supervised By :mohammad ahmed 03/24/2025



#78

Pyrene

Concen: 39.418 ng

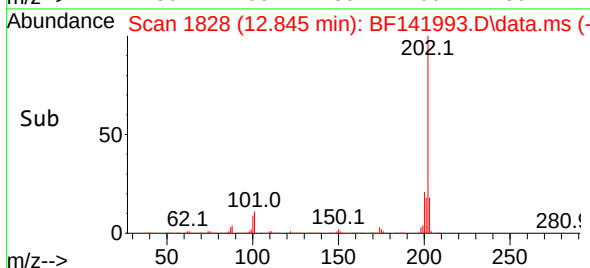
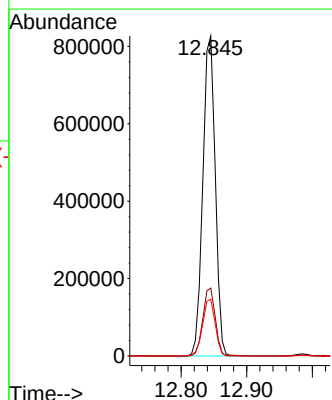
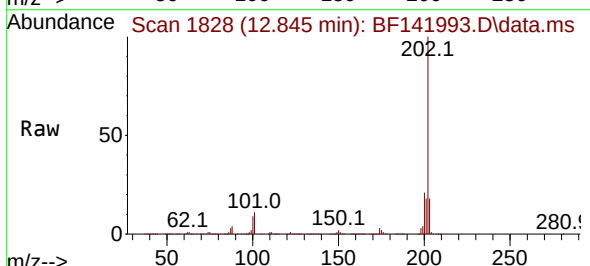
RT: 12.845 min Scan# 1828

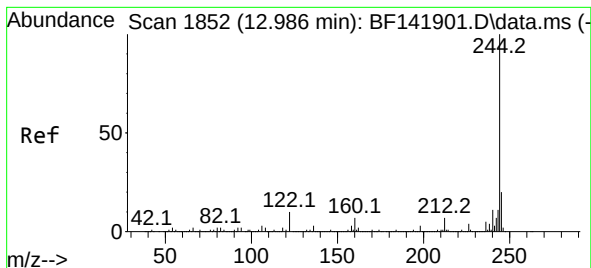
Delta R.T. 0.000 min

Lab File: BF141993.D

Acq: 18 Mar 2025 13:31

Tgt Ion:202 Resp: 1093026  
 Ion Ratio Lower Upper  
 202 100  
 200 21.2 17.3 25.9  
 203 17.7 14.4 21.6





#79

Terphenyl-d14

Concen: 85.689 ng

RT: 12.986 min Scan# 1852

Delta R.T. 0.000 min

Lab File: BF141993.D

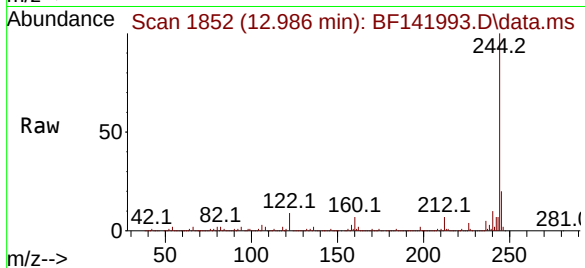
Acq: 18 Mar 2025 13:31

Instrument :

BNA\_F

ClientSampleId :

JC-03-03132025MSD



Tgt Ion:244 Resp: 185793

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

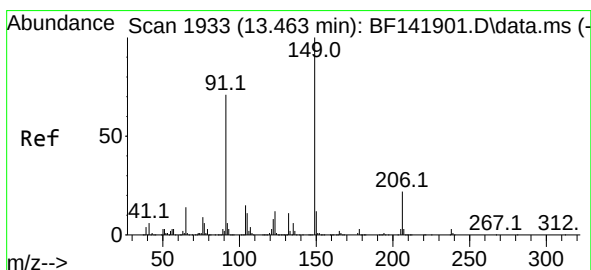
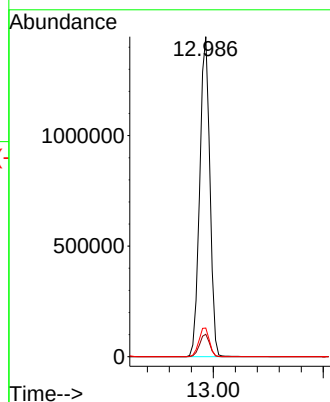
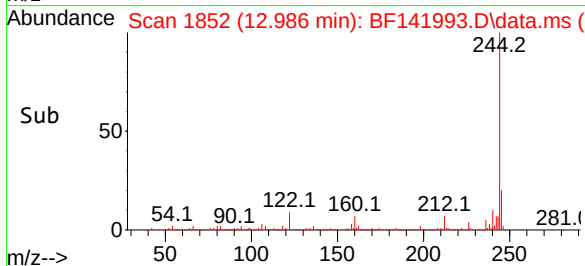
122 9.0 7.7 11.5

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/19/2025

Supervised By :mohammad ahmed 03/24/2025



#80

Butylbenzylphthalate

Concen: 39.902 ng

RT: 13.457 min Scan# 1932

Delta R.T. -0.006 min

Lab File: BF141993.D

Acq: 18 Mar 2025 13:31

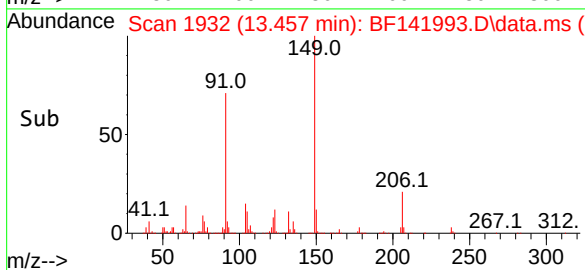
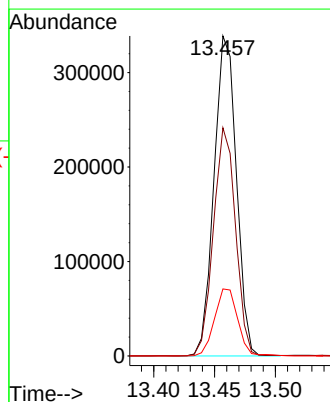
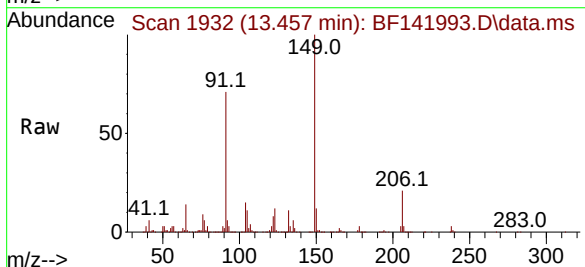
Tgt Ion:149 Resp: 433069

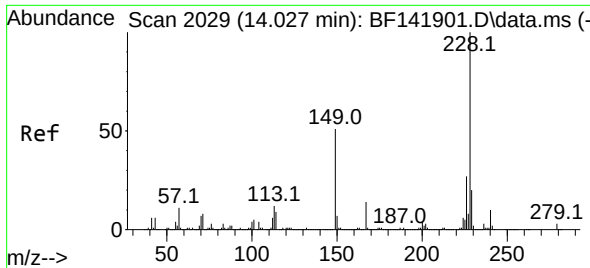
Ion Ratio Lower Upper

149 100

91 71.3 56.5 84.7

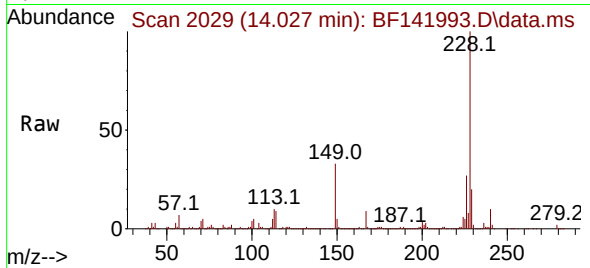
206 21.0 17.3 25.9





#81  
Benzo(a)anthracene  
Concen: 48.029 ng  
RT: 14.027 min Scan# 2029  
Delta R.T. 0.000 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31

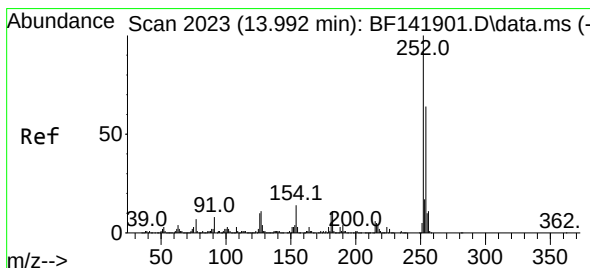
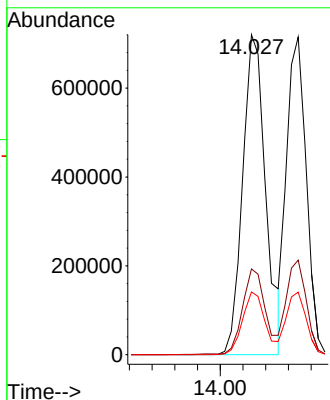
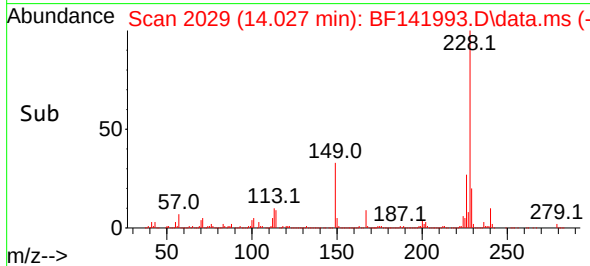
Instrument :  
BNA\_F  
ClientSampleId :  
JC-03-03132025MSD



Tgt Ion:228 Resp: 101031  
Ion Ratio Lower Upper  
228 100  
226 26.8 21.8 32.8  
229 19.6 16.0 24.0

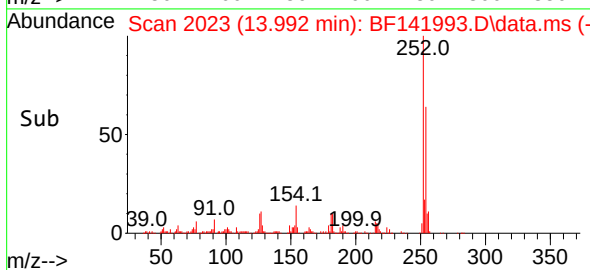
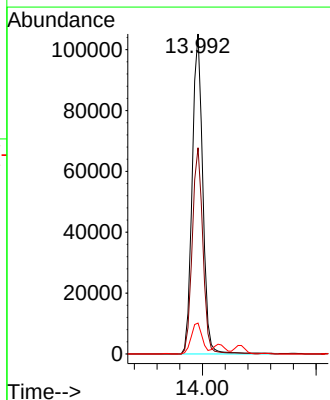
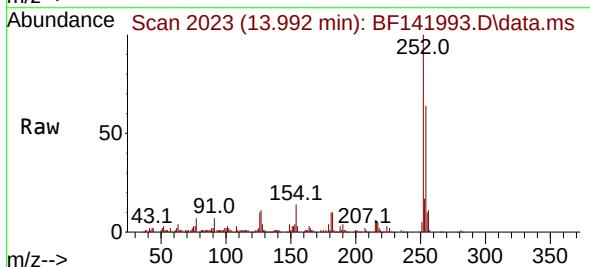
Manual Integrations  
APPROVED

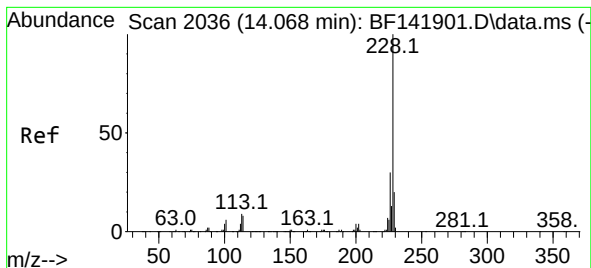
Reviewed By :Anahy Claudio 03/19/2025  
Supervised By :mohammad ahmed 03/24/2025



#82  
3,3'-Dichlorobenzidine  
Concen: 22.534 ng  
RT: 13.992 min Scan# 2023  
Delta R.T. 0.000 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31

Tgt Ion:252 Resp: 136983  
Ion Ratio Lower Upper  
252 100  
254 64.5 51.0 76.6  
126 9.7 8.4 12.6





#83

Chrysene

Concen: 45.312 ng

RT: 14.069 min Scan# 2036

Delta R.T. 0.000 min

Lab File: BF141993.D

Acq: 18 Mar 2025 13:31

Instrument :

BNA\_F

ClientSampleId :

JC-03-03132025MSD

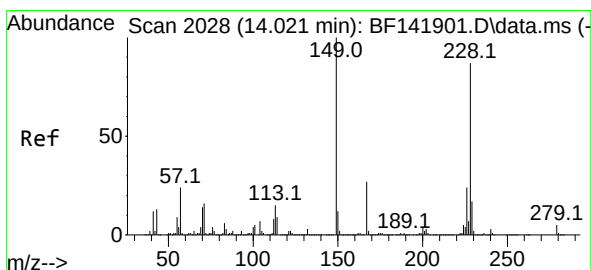
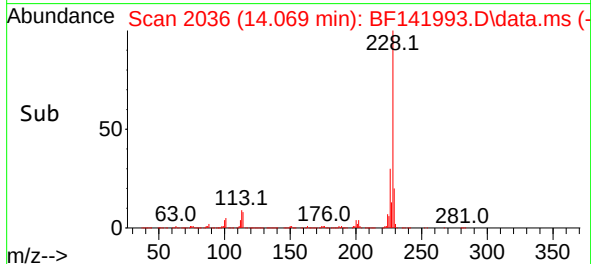
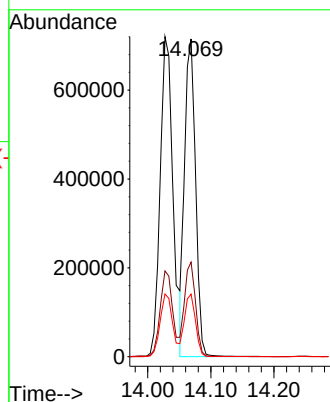
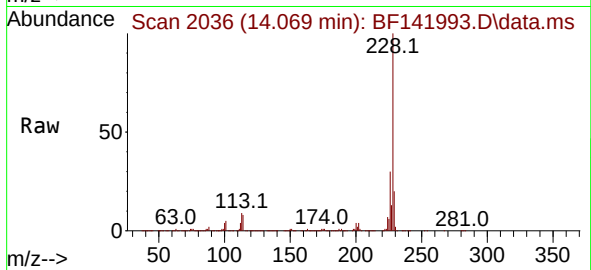
Tgt Ion:228 Resp: 864000

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 29.7  | 24.1  | 36.1  |
| 229 | 19.7  | 15.7  | 23.5  |

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/19/2025  
Supervised By :mohammad ahmed 03/24/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 41.728 ng

RT: 14.016 min Scan# 2027

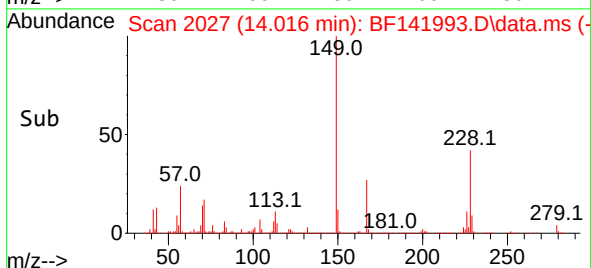
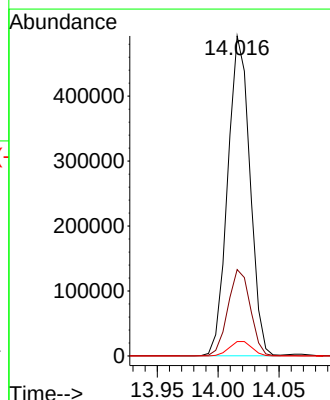
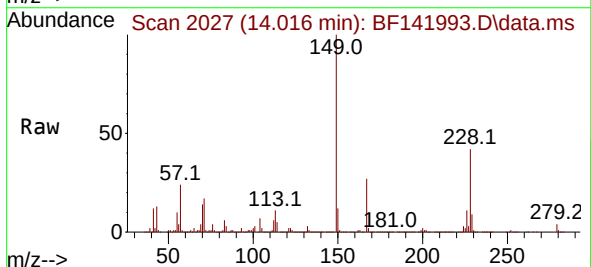
Delta R.T. -0.006 min

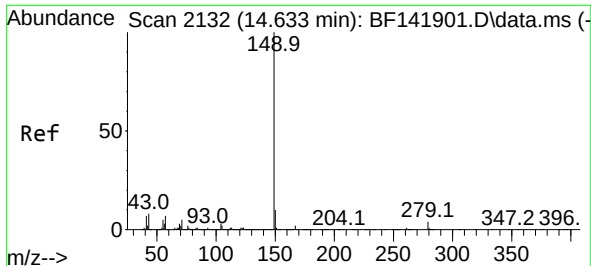
Lab File: BF141993.D

Acq: 18 Mar 2025 13:31

Tgt Ion:149 Resp: 624421

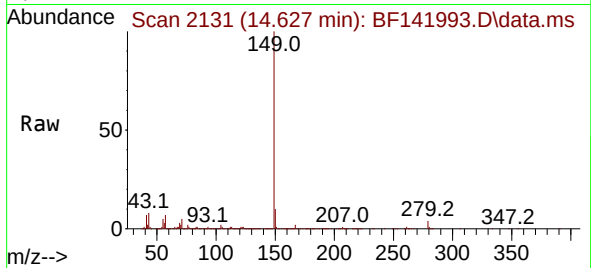
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 27.0  | 21.4  | 32.0  |
| 279 | 4.5   | 3.8   | 5.6   |





#85  
Di-n-octyl phthalate  
Concen: 53.136 ng  
RT: 14.627 min Scan# 2131  
Delta R.T. -0.006 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31

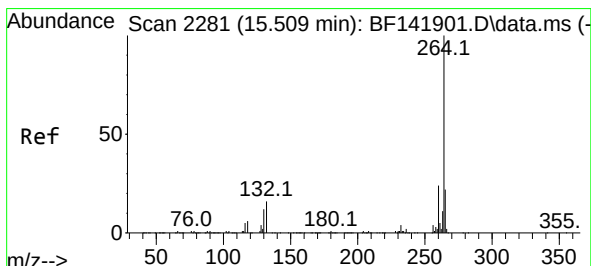
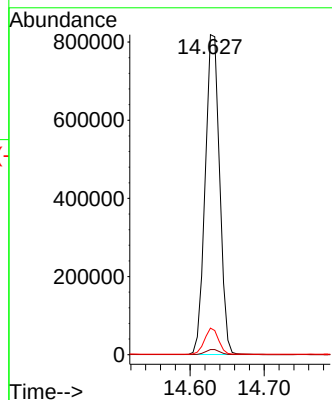
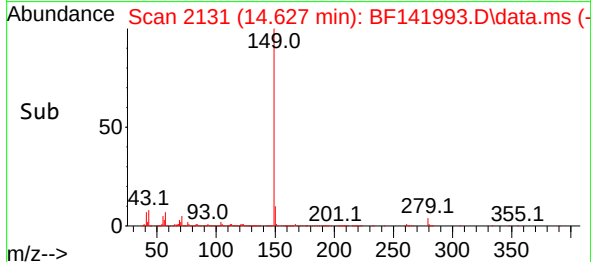
Instrument :  
BNA\_F  
ClientSampleId :  
JC-03-03132025MSD



Tgt Ion:149 Resp: 1106352  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.3 1.9  
43 7.9 6.9 10.3

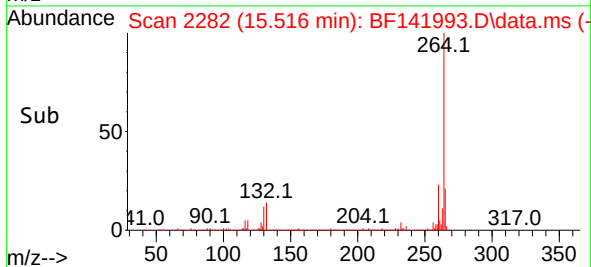
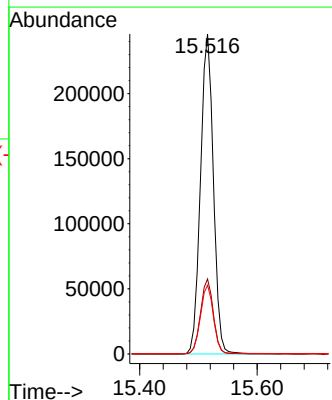
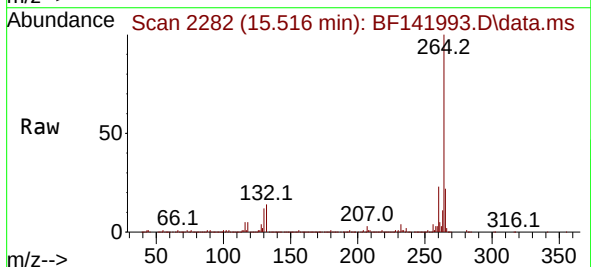
Manual Integrations  
APPROVED

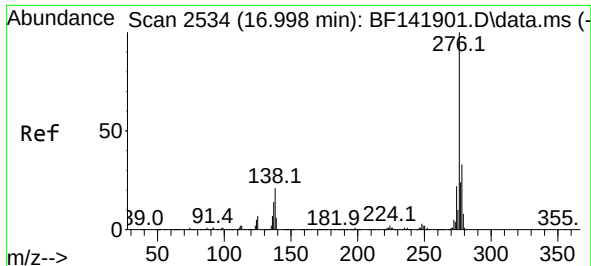
Reviewed By :Anahy Claudio 03/19/2025  
Supervised By :mohammad ahmed 03/24/2025



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.516 min Scan# 2282  
Delta R.T. 0.006 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31

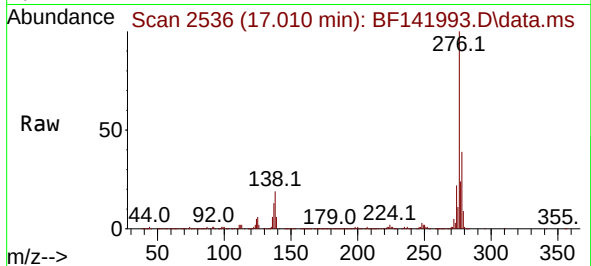
Tgt Ion:264 Resp: 374866  
Ion Ratio Lower Upper  
264 100  
260 23.4 19.1 28.7  
265 21.5 17.5 26.3





#87  
Indeno(1,2,3-cd)pyrene  
Concen: 51.446 ng  
RT: 17.010 min Scan# 2536  
Delta R.T. 0.012 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31

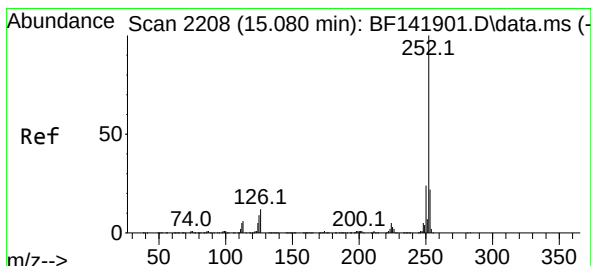
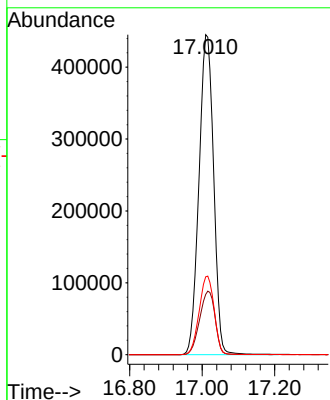
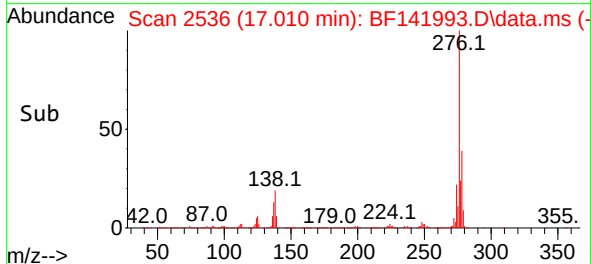
Instrument :  
BNA\_F  
ClientSampleId :  
JC-03-03132025MSD



Tgt Ion:276 Resp: 1247538  
Ion Ratio Lower Upper  
276 100  
138 21.0 18.4 27.6  
277 25.2 20.3 30.5

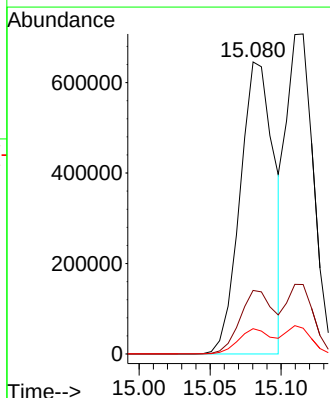
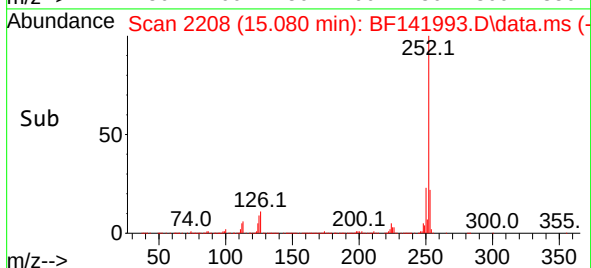
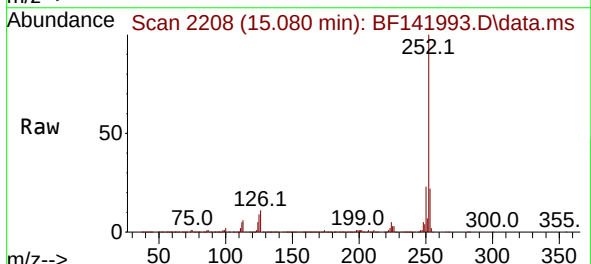
Manual Integrations  
APPROVED

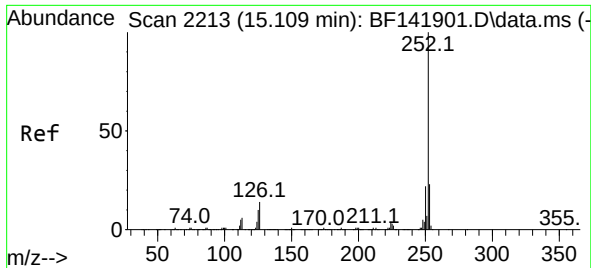
Reviewed By :Anahy Claudio 03/19/2025  
Supervised By :mohammad ahmed 03/24/2025



#88  
Benzo(b)fluoranthene  
Concen: 41.826 ng  
RT: 15.080 min Scan# 2208  
Delta R.T. 0.000 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31

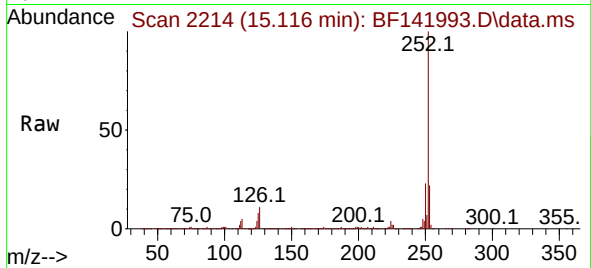
Tgt Ion:252 Resp: 1074570  
Ion Ratio Lower Upper  
252 100  
253 21.8 17.5 26.3  
125 8.6 7.0 10.4





#89  
Benzo(k)fluoranthene  
Concen: 42.742 ng  
RT: 15.116 min Scan# 2214  
Delta R.T. 0.006 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31

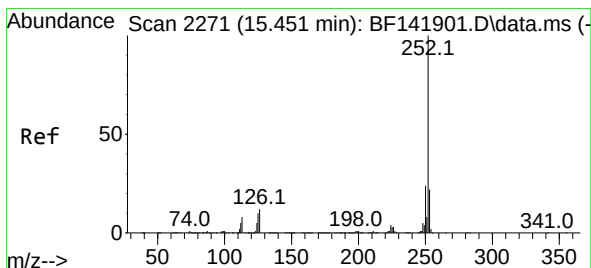
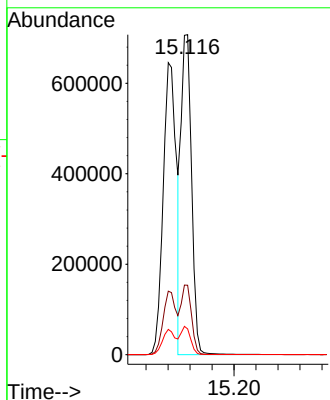
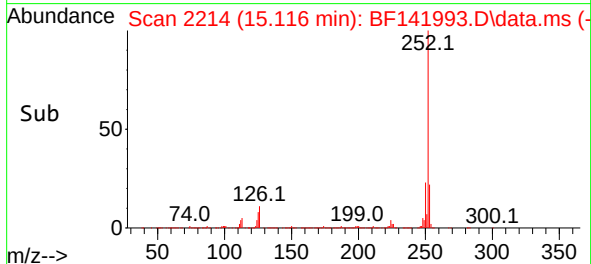
Instrument :  
BNA\_F  
ClientSampleId :  
JC-03-03132025MSD



Tgt Ion:252 Resp: 939725  
Ion Ratio Lower Upper  
252 100  
253 21.7 17.7 26.5  
125 8.0 7.2 10.8

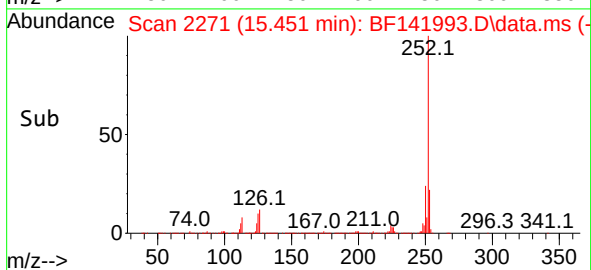
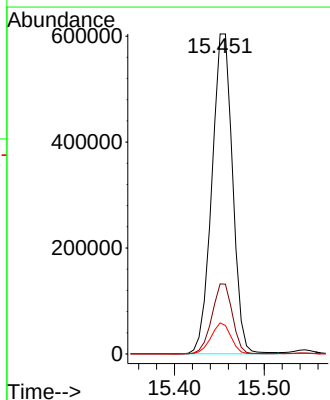
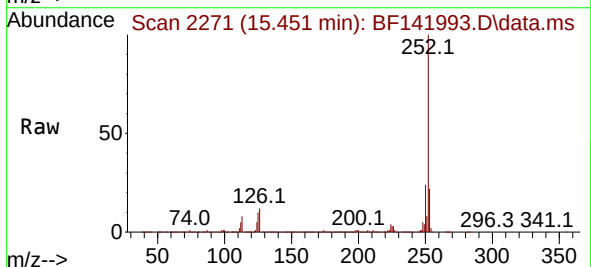
Manual Integrations  
APPROVED

Reviewed By :Anahy Claudio 03/19/2025  
Supervised By :mohammad ahmed 03/24/2025

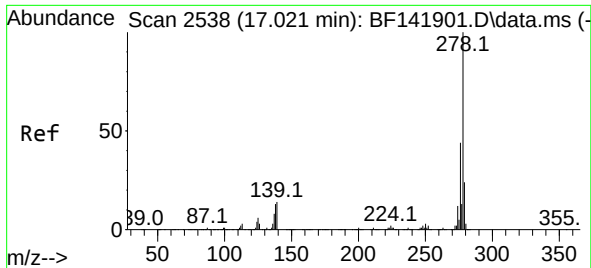


#90  
Benzo(a)pyrene  
Concen: 48.122 ng  
RT: 15.451 min Scan# 2271  
Delta R.T. 0.000 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31

Tgt Ion:252 Resp: 967379  
Ion Ratio Lower Upper  
252 100  
253 21.9 17.4 26.0  
125 9.7 7.8 11.8

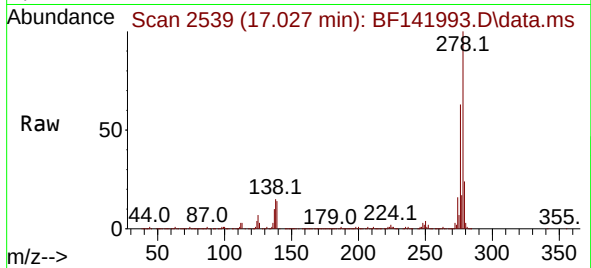






#91  
Dibenzo(a,h)anthracene  
Concen: 50.667 ng  
RT: 17.027 min Scan# 2538  
Delta R.T. 0.006 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31

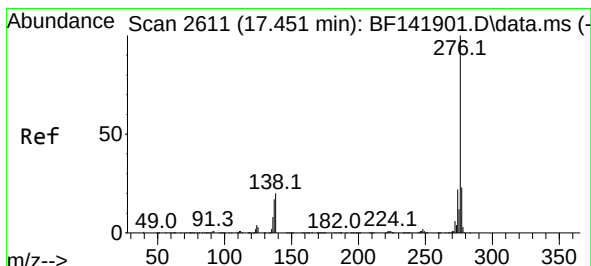
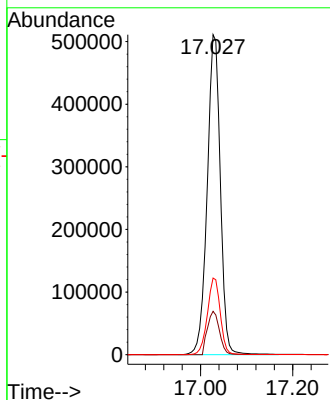
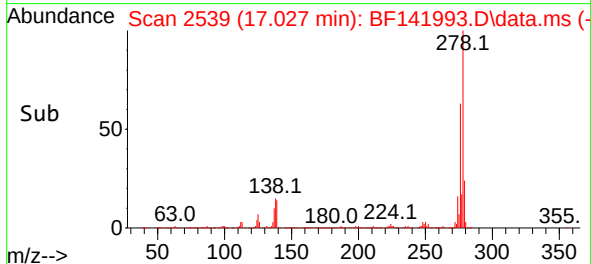
Instrument :  
BNA\_F  
ClientSampleId :  
JC-03-03132025MSD



Tgt Ion:278 Resp: 1013729  
Ion Ratio Lower Upper  
278 100  
139 13.6 11.4 17.2  
279 24.0 18.8 28.2

Manual Integrations  
APPROVED

Reviewed By :Anahy Claudio 03/19/2025  
Supervised By :mohammad ahmed 03/24/2025



#92  
Benzo(g,h,i)perylene  
Concen: 46.929 ng  
RT: 17.462 min Scan# 2613  
Delta R.T. 0.012 min  
Lab File: BF141993.D  
Acq: 18 Mar 2025 13:31

Tgt Ion:276 Resp: 927863  
Ion Ratio Lower Upper  
276 100  
277 24.0 18.7 28.1  
138 17.9 15.8 23.8

