

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF041923\  
 Data File : BF132918.D  
 Acq On : 19 Apr 2023 18:34  
 Operator : CG\JU  
 Sample : 02270-26MS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-16-14-16-20230413MS

Quant Time: Apr 20 01:48:24 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF041723.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 18 04:51:21 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : Christian Giraldo 04/21/2023  
 Supervised By : Jagrut Upadhyay 04/24/2023

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.763  | 152  | 239409   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.051  | 136  | 993494   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.804  | 164  | 547314   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.286 | 188  | 1016951  | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.921 | 240  | 642320   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.345 | 264  | 586284   | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.369  | 112  | 1724285  | 112.620 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.398  | 99   | 2262437  | 115.802 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.328  | 82   | 1396458  | 73.267  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.592 | 330  | 681326   | 124.112 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.128  | 172  | 2439571  | 68.475  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.874 | 244  | 3107306  | 82.534  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.493  | 88   | 342167   | 45.800  | ng    | 99       |
| 3) Pyridine                   | 3.199  | 79   | 859349   | 42.058  | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.152  | 42   | 483407   | 49.792  | ng    | 97       |
| 6) Aniline                    | 6.422  | 93   | 899615   | 34.722  | ng    | 98       |
| 8) 2-Chlorophenol             | 6.545  | 128  | 835394   | 53.783  | ng    | 99       |
| 9) Benzaldehyde               | 6.310  | 77   | 535106   | 46.291  | ng    | 98       |
| 10) Phenol                    | 6.410  | 94   | 1110900  | 50.571  | ng    | 99       |
| 11) bis(2-Chloroethyl)ether   | 6.498  | 93   | 819427   | 49.392  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.704  | 146  | 865037   | 50.668  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.781  | 146  | 871175   | 50.925  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 6.934  | 146  | 834738   | 52.261  | ng    | 99       |
| 15) Benzyl Alcohol            | 6.910  | 79   | 737914   | 55.112  | ng    | 97       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.045  | 45   | 1500972  | 52.287  | ng    | 99       |
| 17) 2-Methylphenol            | 7.022  | 107  | 701199   | 49.288  | ng    | 99       |
| 18) Hexachloroethane          | 7.281  | 117  | 303485   | 51.118  | ng    | 94       |
| 19) n-Nitroso-di-n-propyla... | 7.187  | 70   | 615710   | 50.489  | ng    | 100      |
| 20) 3+4-Methylphenols         | 7.175  | 107  | 851198   | 50.621  | ng    | 88       |
| 22) Acetophenone              | 7.175  | 105  | 1106194  | 47.463  | ng    | 95       |
| 24) Nitrobenzene              | 7.351  | 77   | 921690   | 47.179  | ng    | 95       |
| 25) Isophorone                | 7.587  | 82   | 1739541  | 48.116  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.663  | 139  | 447798   | 60.761  | ng    | 95       |
| 27) 2,4-Dimethylphenol        | 7.704  | 122  | 779365   | 51.842  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.804  | 93   | 1026399  | 47.484  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 7.904  | 162  | 706866   | 50.516  | ng    | 96       |
| 30) 1,2,4-Trichlorobenzene    | 7.992  | 180  | 720441   | 47.683  | ng    | 100      |
| 31) Naphthalene               | 8.075  | 128  | 2336694  | 46.543  | ng    | 99       |
| 32) Benzoic acid              | 7.828  | 122  | 496238   | 65.824  | ng    | 98       |
| 33) 4-Chloroaniline           | 8.116  | 127  | 211152   | 10.269  | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.192  | 225  | 396586   | 45.882  | ng    | 100      |
| 35) Caprolactam               | 8.492  | 113  | 260541m  | 62.523  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.598  | 107  | 782840   | 53.301  | ng    | 98       |
| 37) 2-Methylnaphthalene       | 8.763  | 142  | 1572829  | 45.515  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.863  | 142  | 1487333  | 46.193  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 8.933  | 216  | 671986   | 43.408  | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 8.922  | 237  | 871134   | 106.763 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 9.039  | 196  | 494381   | 50.379  | ng    | 99       |

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Instrument :  
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Manual Integrations  
 APPROVED

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 Supervised By : Jagrut Upadhyay 04/24/2023

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 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      | 9.075  | 196  | 532769   | 46.429  | ng    | 99       |
| 46) 1,1'-Biphenyl              | 9.228  | 154  | 1960189  | 45.178  | ng    | 99       |
| 47) 2-Chloronaphthalene        | 9.251  | 162  | 1487526  | 46.330  | ng    | 98       |
| 48) 2-Nitroaniline             | 9.345  | 65   | 509334   | 54.835  | ng    | 96       |
| 49) Acenaphthylene             | 9.669  | 152  | 2322634  | 45.355  | ng    | 99       |
| 50) Dimethylphthalate          | 9.533  | 163  | 1817760  | 48.039  | ng    | 100      |
| 51) 2,6-Dinitrotoluene         | 9.586  | 165  | 426798   | 51.445  | ng    | 92       |
| 52) Acenaphthene               | 9.839  | 154  | 1698043  | 51.456  | ng    | 99       |
| 53) 3-Nitroaniline             | 9.751  | 138  | 285854   | 30.279  | ng    | 97       |
| 54) 2,4-Dinitrophenol          | 9.863  | 184  | 454631   | 140.675 | ng    | # 86     |
| 55) Dibenzofuran               | 10.010 | 168  | 2159325  | 46.120  | ng    | 100      |
| 56) 4-Nitrophenol              | 9.916  | 139  | 764519   | 109.017 | ng    | 93       |
| 57) 2,4-Dinitrotoluene         | 9.992  | 165  | 573009   | 55.963  | ng    | 96       |
| 58) Fluorene                   | 10.351 | 166  | 1600633  | 46.670  | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.128 | 232  | 462244   | 51.904  | ng    | 100      |
| 60) Diethylphthalate           | 10.233 | 149  | 1768144  | 50.006  | ng    | 99       |
| 61) 4-Chlorophenyl-phenylether | 10.345 | 204  | 796124   | 45.637  | ng    | 93       |
| 62) 4-Nitroaniline             | 10.375 | 138  | 477358   | 52.607  | ng    | 98       |
| 63) Azobenzene                 | 10.504 | 77   | 1958622  | 49.589  | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph...  | 10.398 | 198  | 303682   | 62.354  | ng    | 96       |
| 66) n-Nitrosodiphenylamine     | 10.463 | 169  | 1503511  | 45.395  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether  | 10.833 | 248  | 540789   | 46.569  | ng    | 96       |
| 68) Hexachlorobenzene          | 10.904 | 284  | 589616   | 48.940  | ng    | 97       |
| 69) Atrazine                   | 10.992 | 200  | 536662   | 57.971  | ng    | 99       |
| 70) Pentachlorophenol          | 11.092 | 266  | 727009   | 93.514  | ng    | 99       |
| 71) Phenanthrene               | 11.310 | 178  | 2501933  | 45.738  | ng    | 99       |
| 72) Anthracene                 | 11.363 | 178  | 2538810  | 45.339  | ng    | 99       |
| 73) Carbazole                  | 11.516 | 167  | 2284627  | 47.153  | ng    | 99       |
| 74) Di-n-butylphthalate        | 11.857 | 149  | 2821915  | 54.330  | ng    | 99       |
| 75) Fluoranthene               | 12.498 | 202  | 2541389  | 46.719  | ng    | 99       |
| 77) Benzidine                  | 12.621 | 184  | 948810   | 94.826  | ng    | 95       |
| 78) Pyrene                     | 12.727 | 202  | 2609317  | 49.681  | ng    | 99       |
| 80) Butylbenzylphthalate       | 13.351 | 149  | 927780   | 70.505  | ng    | 91       |
| 81) Benzo(a)anthracene         | 13.910 | 228  | 2112462  | 48.359  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 13.874 | 252  | 635360   | 60.129  | ng    | 99       |
| 83) Chrysene                   | 13.951 | 228  | 2044460  | 47.088  | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha...  | 13.916 | 149  | 1324531  | 79.725  | ng    | 99       |
| 85) Di-n-octyl phthalate       | 14.527 | 149  | 2475873  | 65.829  | ng    | 95       |
| 87) Indeno(1,2,3-cd)pyrene     | 16.745 | 276  | 1964922  | 58.653  | ng    | 100      |
| 88) Benzo(b)fluoranthene       | 14.939 | 252  | 1963178  | 53.756  | ng    | 99       |
| 89) Benzo(k)fluoranthene       | 14.968 | 252  | 1691089  | 46.485  | ng    | 100      |
| 90) Benzo(a)pyrene             | 15.292 | 252  | 1549090  | 46.430  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene     | 16.768 | 278  | 1648387  | 57.748  | ng    | 98       |
| 92) Benzo(g,h,i)perylene       | 17.168 | 276  | 1605849  | 58.757  | ng    | 98       |

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

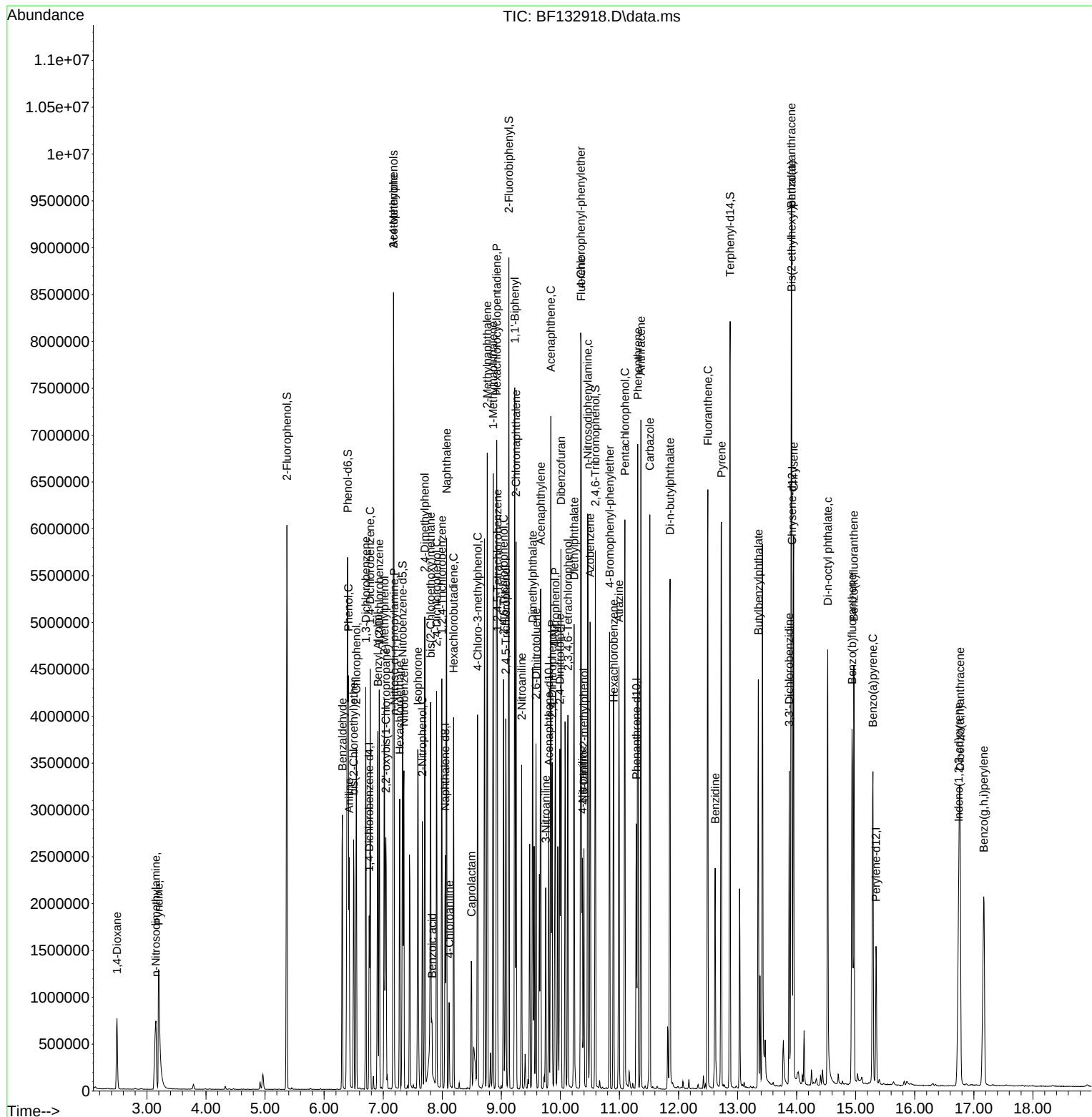
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF041923\  
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 ALS Vial : 6 Sample Multiplier: 1

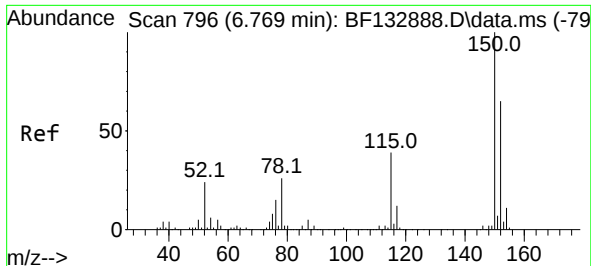
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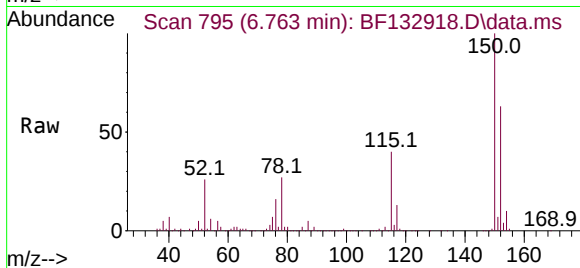
Reviewed By : Christian Giraldo 04/21/2023  
 Supervised By : Jagrut Upadhyay 04/24/2023





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.763 min Scan# 79  
Delta R.T. -0.006 min  
Lab File: BF132918.D  
Acq: 19 Apr 2023 18:34

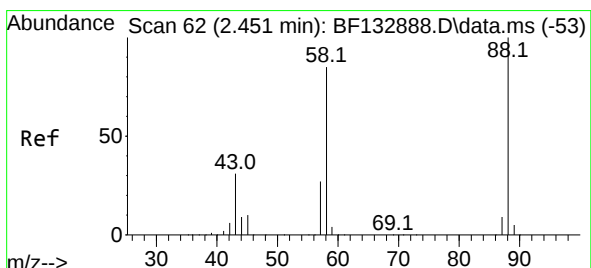
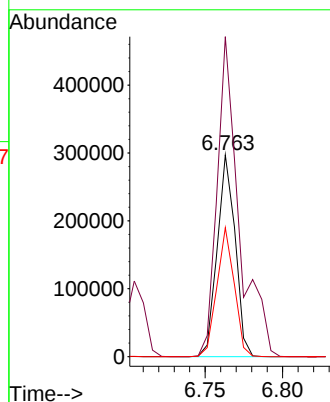
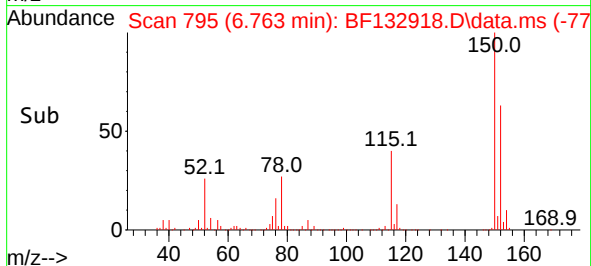
Instrument :  
BNA\_F  
ClientSampleId :  
SB-16-14-16-20230413MS



Tgt Ion:152 Resp: 239409  
Ion Ratio Lower Upper  
152 100  
150 158.6 122.8 184.2  
115 63.9 47.3 70.9

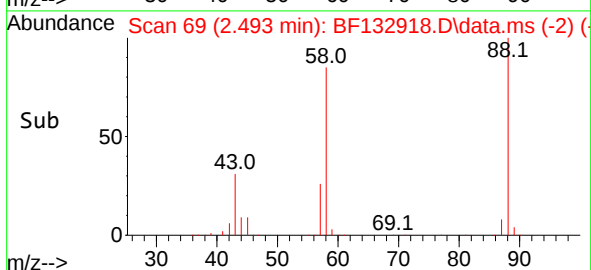
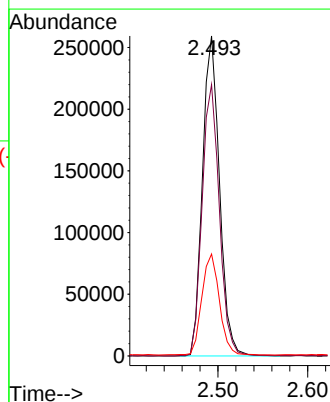
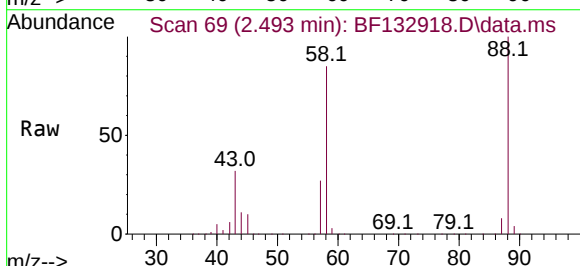
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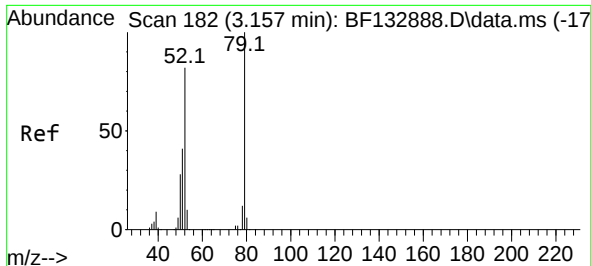
Reviewed By :Christian Giraldo 04/21/2023  
Supervised By :Jagrut Upadhyay 04/24/2023



#2  
1,4-Dioxane  
Concen: 45.800 ng  
RT: 2.493 min Scan# 69  
Delta R.T. 0.041 min  
Lab File: BF132918.D  
Acq: 19 Apr 2023 18:34

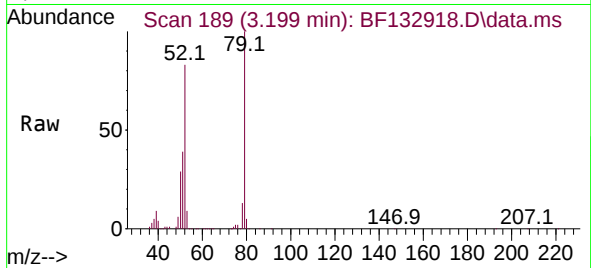
Tgt Ion: 88 Resp: 342167  
Ion Ratio Lower Upper  
88 100  
58 85.9 67.8 101.6  
43 32.6 25.4 38.0





#3  
Pyridine  
Concen: 42.058 ng  
RT: 3.199 min Scan# 181  
Delta R.T. 0.041 min  
Lab File: BF132918.D  
Acq: 19 Apr 2023 18:34

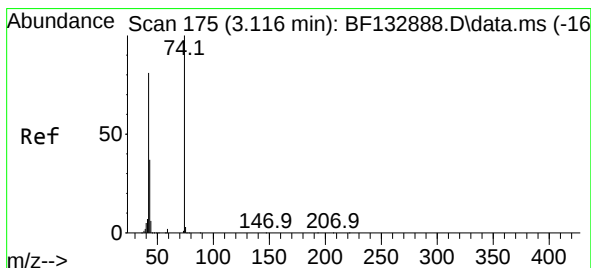
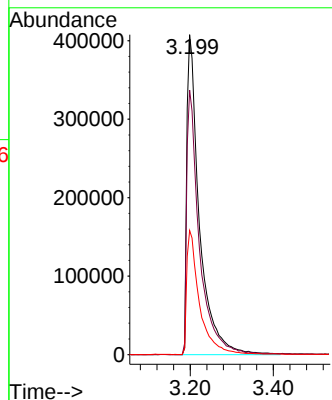
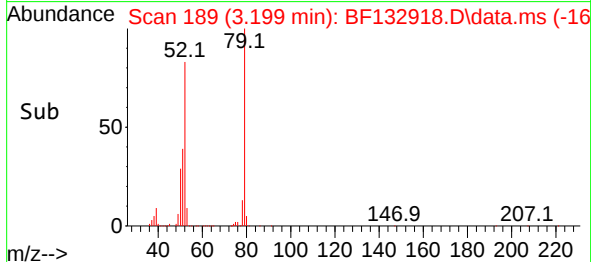
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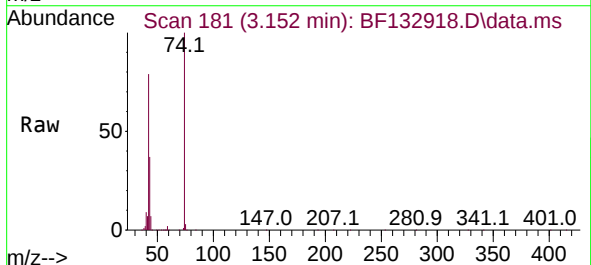
Tgt Ion: 79 Resp: 859349  
Ion Ratio Lower Upper  
79 100  
52 82.7 65.4 98.0  
51 38.8 32.6 48.8

Manual Integrations  
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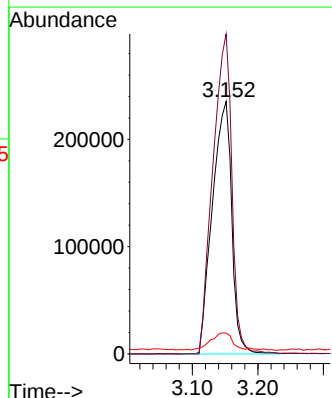
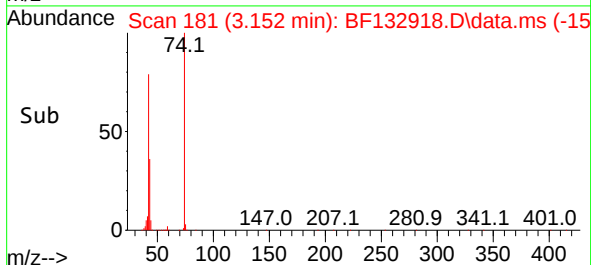
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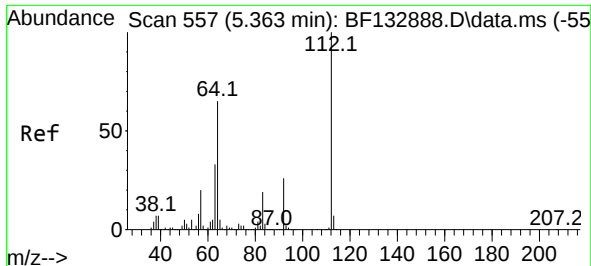


#4  
n-Nitrosodimethylamine  
Concen: 49.792 ng  
RT: 3.152 min Scan# 181  
Delta R.T. 0.035 min  
Lab File: BF132918.D  
Acq: 19 Apr 2023 18:34



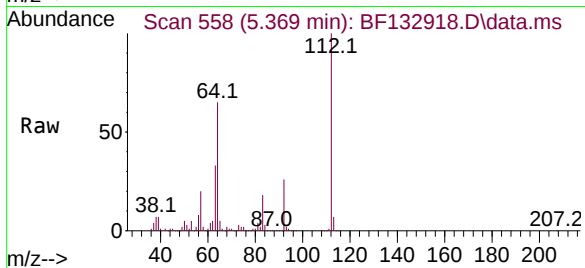
Tgt Ion: 42 Resp: 483407  
Ion Ratio Lower Upper  
42 100  
74 126.7 98.4 147.6  
44 8.3 6.1 9.1





#5  
2-Fluorophenol  
Concen: 112.620 ng  
RT: 5.369 min Scan# 557  
Delta R.T. 0.006 min  
Lab File: BF132918.D  
Acq: 19 Apr 2023 18:34

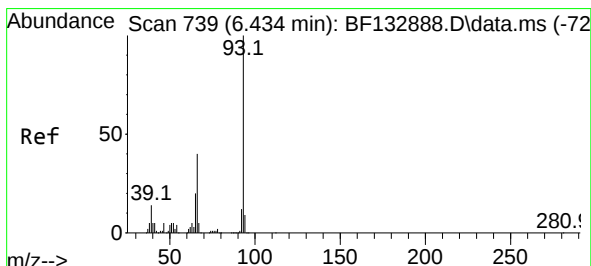
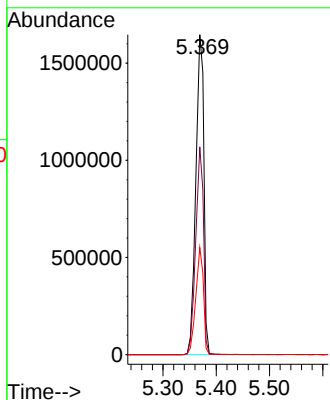
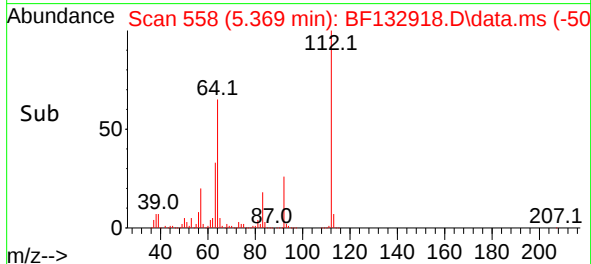
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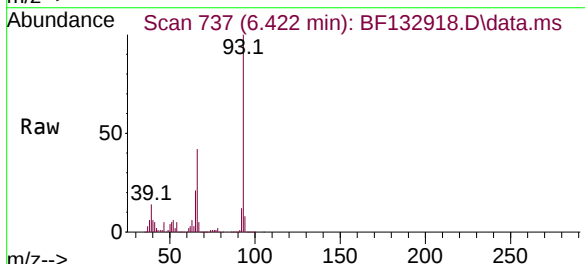
Tgt Ion: 112 Resp: 1724285  
Ion Ratio Lower Upper  
112 100  
64 64.9 51.8 77.8  
63 33.4 26.3 39.5

Manual Integrations  
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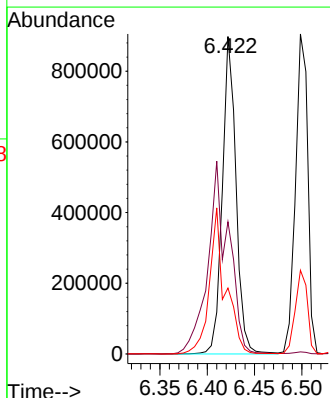
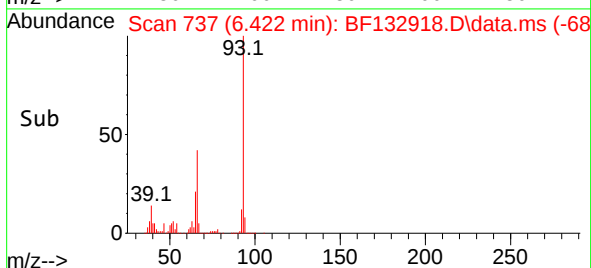
Reviewed By :Christian Giraldo 04/21/2023  
Supervised By :Jagrut Upadhyay 04/24/2023

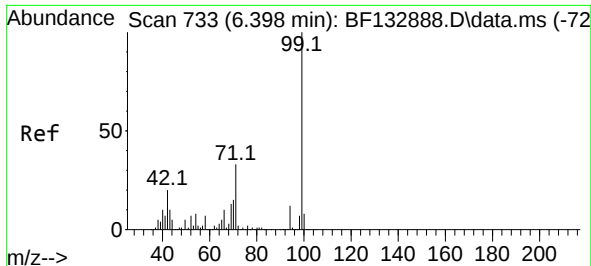


#6  
Aniline  
Concen: 34.722 ng  
RT: 6.422 min Scan# 737  
Delta R.T. -0.012 min  
Lab File: BF132918.D  
Acq: 19 Apr 2023 18:34



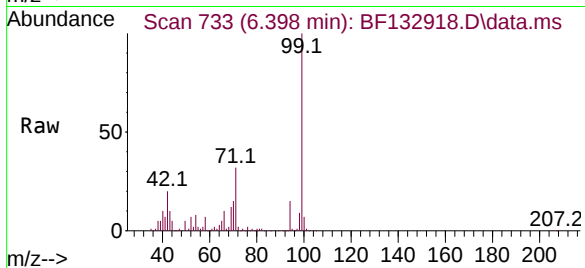
Tgt Ion: 93 Resp: 899615  
Ion Ratio Lower Upper  
93 100  
66 41.6 31.8 47.6  
65 20.8 16.3 24.5





#7  
Phenol-d6  
Concen: 115.802 ng  
RT: 6.398 min Scan# 733  
Delta R.T. 0.000 min  
Lab File: BF132918.D  
Acq: 19 Apr 2023 18:34

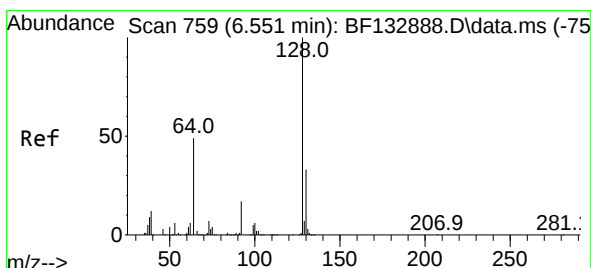
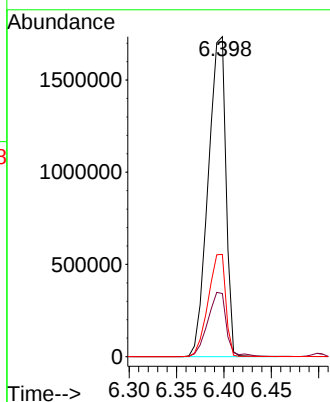
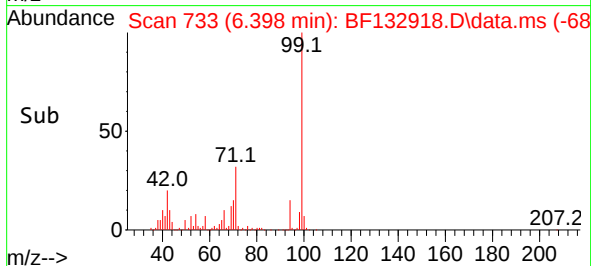
Instrument :  
BNA\_F  
ClientSampleId :  
SB-16-14-16-20230413MS



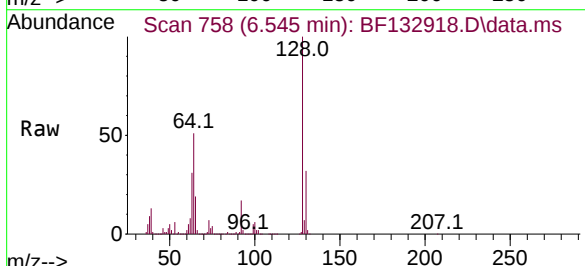
Tgt Ion: 99 Resp: 2262437  
Ion Ratio Lower Upper  
99 100  
42 19.7 16.1 24.1  
71 31.9 26.1 39.1

Manual Integrations  
APPROVED

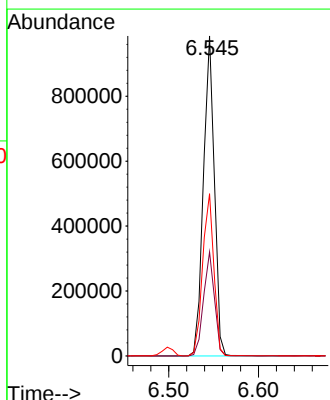
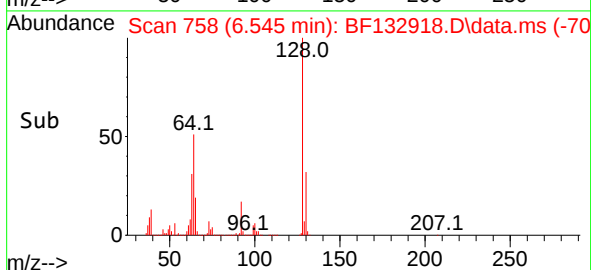
Reviewed By :Christian Giraldo 04/21/2023  
Supervised By :Jagrut Upadhyay 04/24/2023

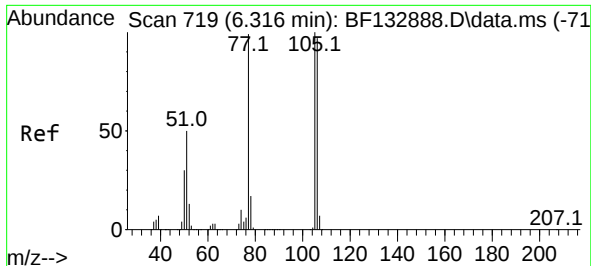


#8  
2-Chlorophenol  
Concen: 53.783 ng  
RT: 6.545 min Scan# 758  
Delta R.T. -0.006 min  
Lab File: BF132918.D  
Acq: 19 Apr 2023 18:34



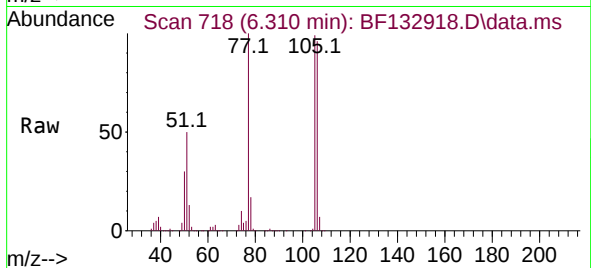
Tgt Ion:128 Resp: 835394  
Ion Ratio Lower Upper  
128 100  
130 32.5 13.2 53.2  
64 50.7 30.9 70.9





#9  
Benzaldehyde  
Concen: 46.291 ng  
RT: 6.310 min Scan# 719  
Delta R.T. -0.006 min  
Lab File: BF132918.D  
Acq: 19 Apr 2023 18:34

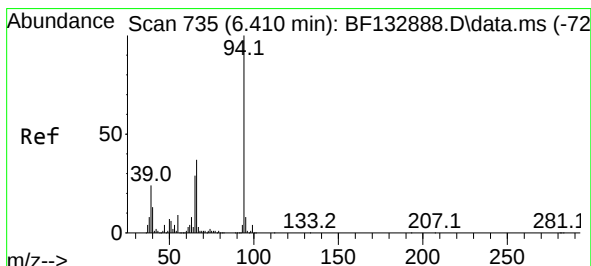
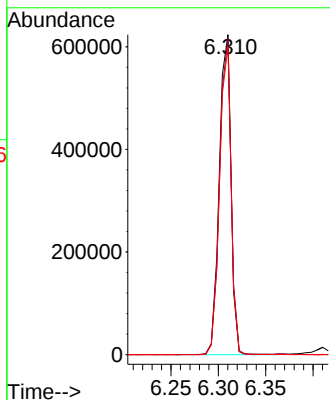
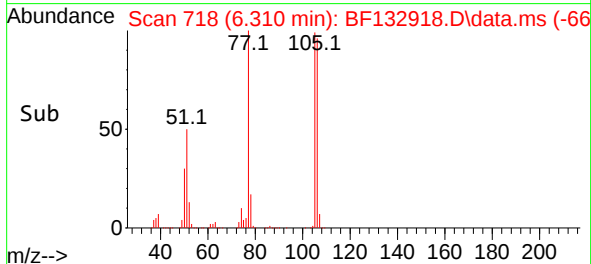
Instrument :  
BNA\_F  
ClientSampleId :  
SB-16-14-16-20230413MS



Tgt Ion: 77 Resp: 535106  
Ion Ratio Lower Upper  
77 100  
105 99.0 80.8 120.8  
106 96.2 77.9 117.9

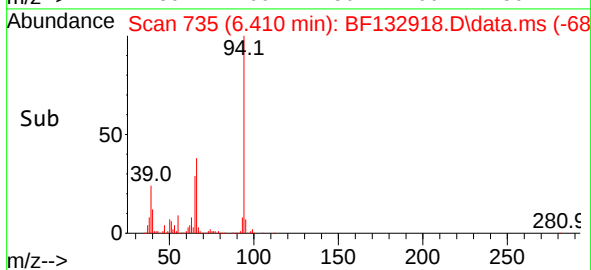
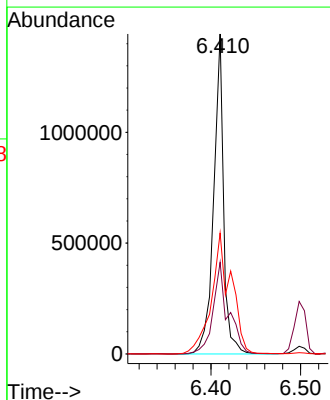
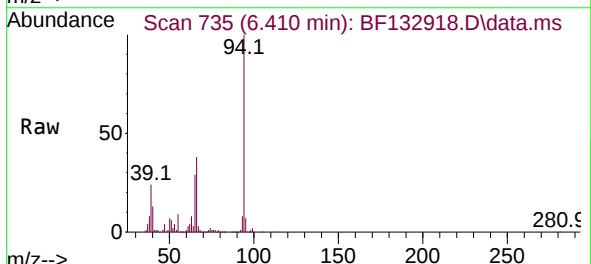
Manual Integrations  
APPROVED

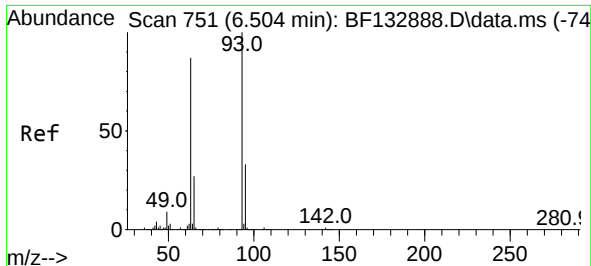
Reviewed By :Christian Giraldo 04/21/2023  
Supervised By :Jagrut Upadhyay 04/24/2023



#10  
Phenol  
Concen: 50.571 ng  
RT: 6.410 min Scan# 735  
Delta R.T. 0.000 min  
Lab File: BF132918.D  
Acq: 19 Apr 2023 18:34

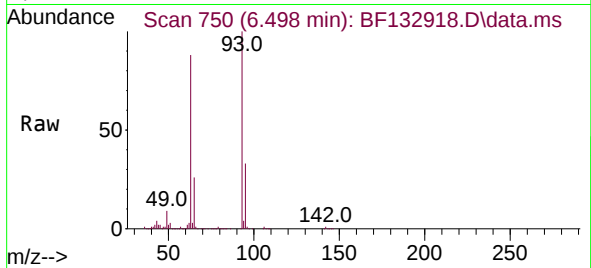
Tgt Ion: 94 Resp: 1110900  
Ion Ratio Lower Upper  
94 100  
65 28.6 9.0 49.0  
66 37.8 17.1 57.1





#11  
bis(2-Chloroethyl)ether  
Concen: 49.392 ng  
RT: 6.498 min Scan# 751  
Delta R.T. -0.006 min  
Lab File: BF132918.D  
Acq: 19 Apr 2023 18:34

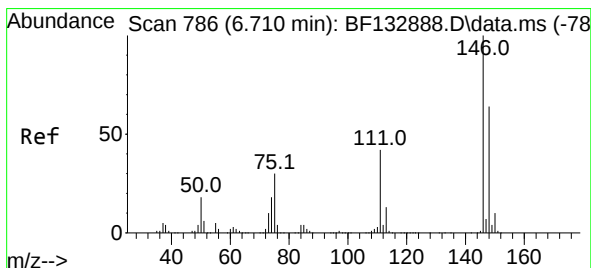
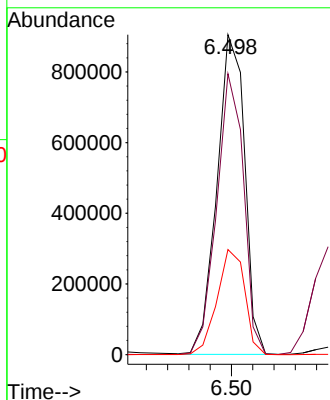
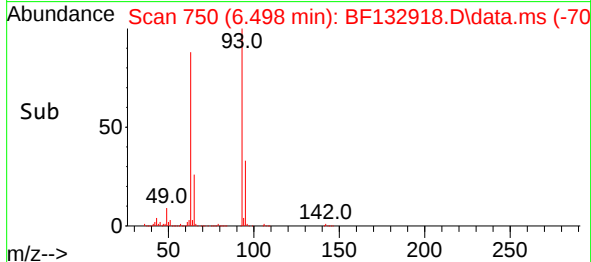
Instrument :  
BNA\_F  
ClientSampleId :  
SB-16-14-16-20230413MS



Tgt Ion: 93 Resp: 819427  
Ion Ratio Lower Upper  
93 100  
63 87.8 66.7 106.7  
95 32.8 12.8 52.8

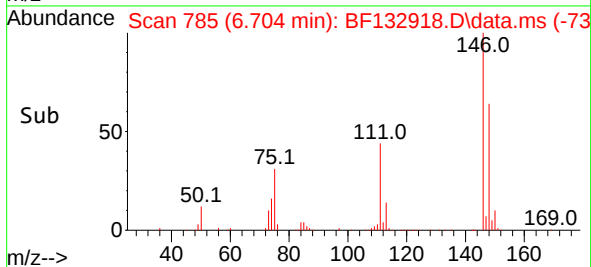
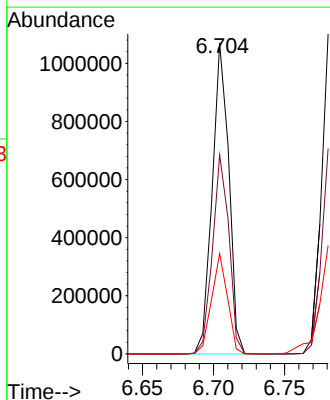
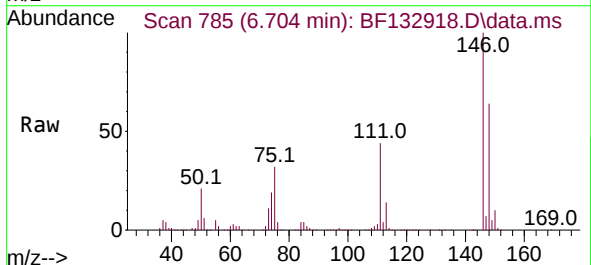
Manual Integrations  
APPROVED

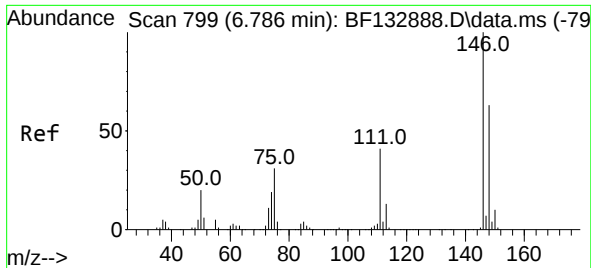
Reviewed By :Christian Giraldo 04/21/2023  
Supervised By :Jagrut Upadhyay 04/24/2023



#12  
1,3-Dichlorobenzene  
Concen: 50.668 ng  
RT: 6.704 min Scan# 785  
Delta R.T. -0.006 min  
Lab File: BF132918.D  
Acq: 19 Apr 2023 18:34

Tgt Ion:146 Resp: 865037  
Ion Ratio Lower Upper  
146 100  
148 64.0 51.1 76.7  
75 32.3 23.9 35.9





#13

1,4-Dichlorobenzene

Concen: 50.925 ng

RT: 6.781 min Scan# 799

Delta R.T. -0.006 min

Lab File: BF132918.D

Acq: 19 Apr 2023 18:34

Instrument :

BNA\_F

ClientSampleId :

SB-16-14-16-20230413MS

Tgt Ion:146 Resp: 871175

Ion Ratio Lower Upper

146 100

148 64.2 50.7 76.1

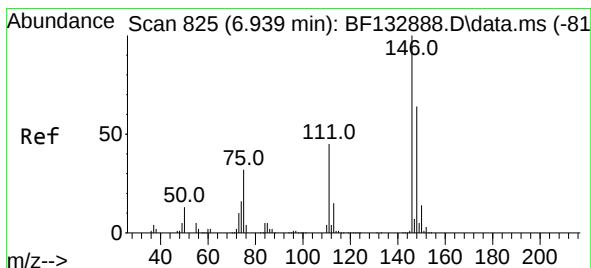
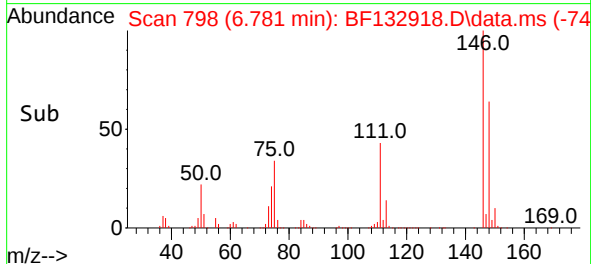
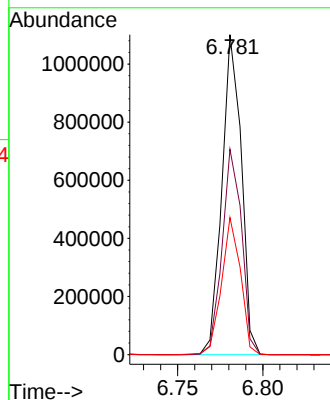
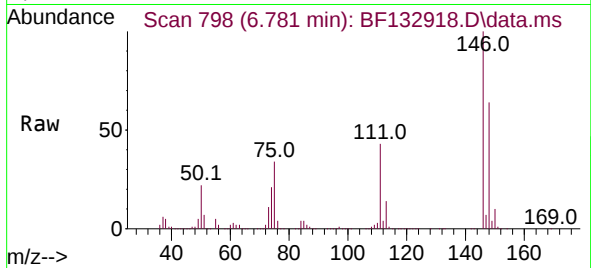
111 42.8 32.5 48.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/21/2023

Supervised By :Jagrut Upadhyay 04/24/2023



#14

1,2-Dichlorobenzene

Concen: 52.261 ng

RT: 6.934 min Scan# 824

Delta R.T. -0.006 min

Lab File: BF132918.D

Acq: 19 Apr 2023 18:34

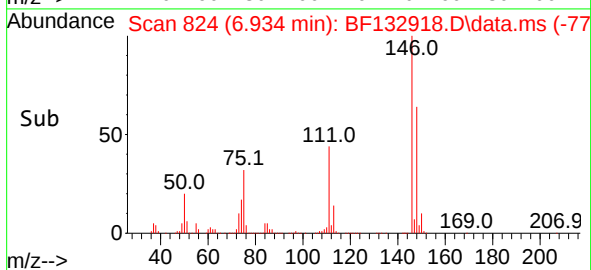
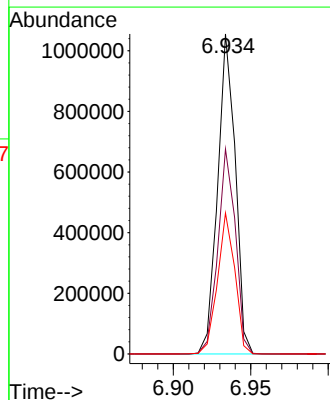
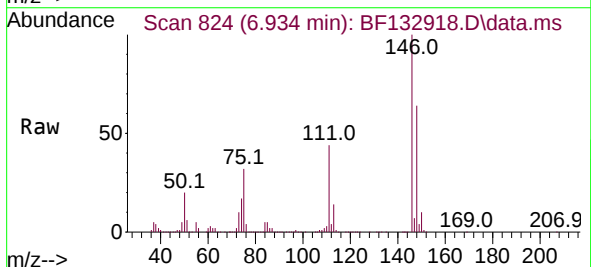
Tgt Ion:146 Resp: 834738

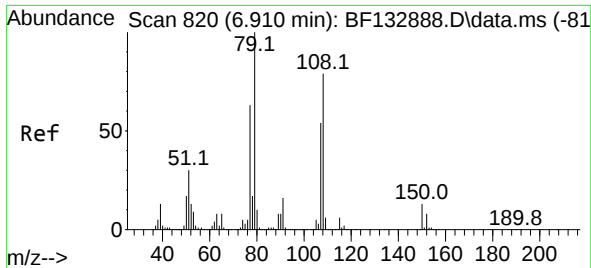
Ion Ratio Lower Upper

146 100

148 64.0 51.3 76.9

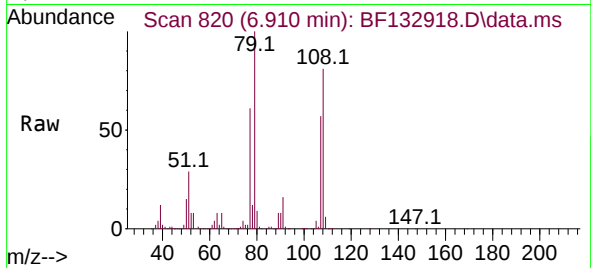
111 44.0 36.0 54.0





#15  
Benzyl Alcohol  
Concen: 55.112 ng  
RT: 6.910 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BF132918.D  
Acq: 19 Apr 2023 18:34

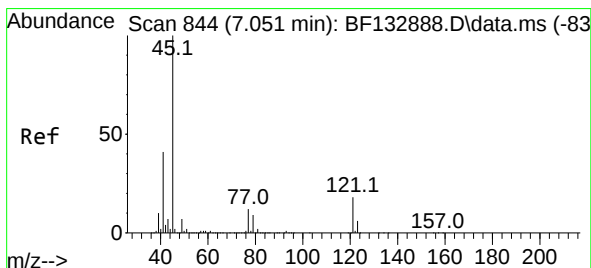
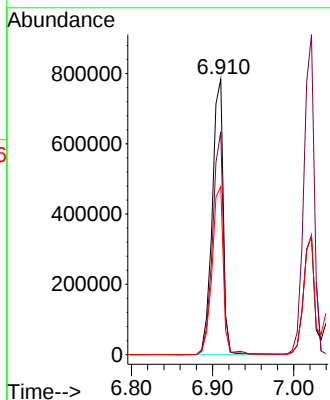
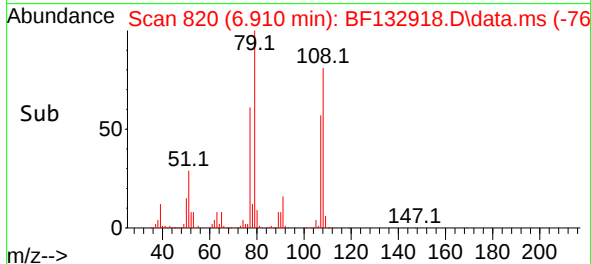
Instrument :  
BNA\_F  
ClientSampleId :  
SB-16-14-16-20230413MS



Tgt Ion: 79 Resp: 737914  
Ion Ratio Lower Upper  
79 100  
108 80.9 63.0 94.6  
77 60.9 50.4 75.6

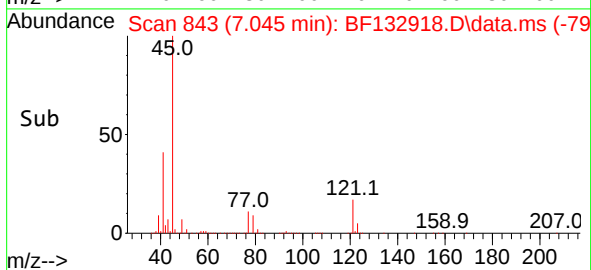
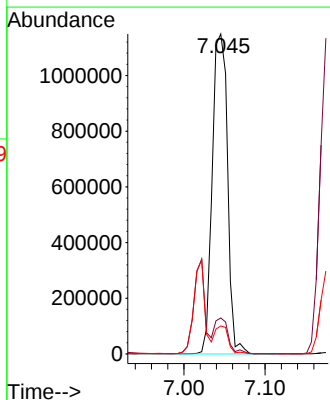
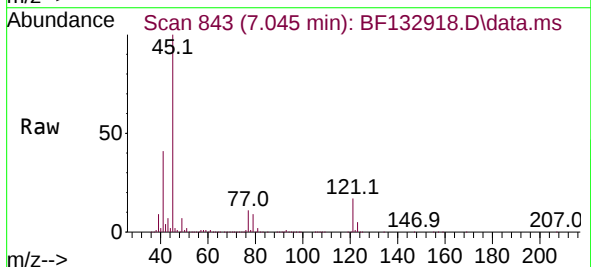
Manual Integrations  
APPROVED

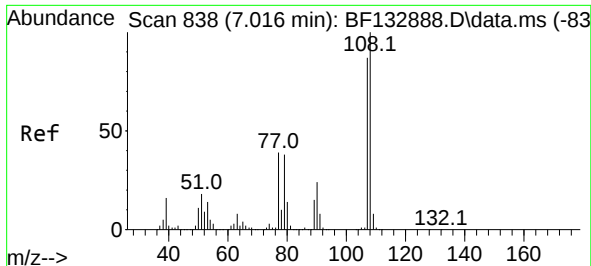
Reviewed By :Christian Giraldo 04/21/2023  
Supervised By :Jagrut Upadhyay 04/24/2023



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 52.287 ng  
RT: 7.045 min Scan# 843  
Delta R.T. -0.006 min  
Lab File: BF132918.D  
Acq: 19 Apr 2023 18:34

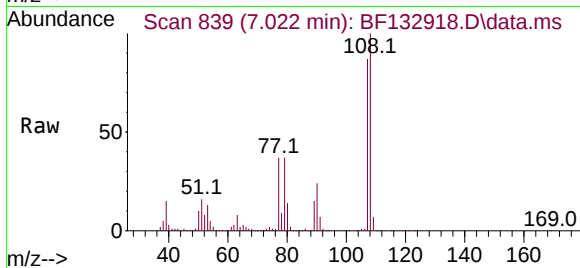
Tgt Ion: 45 Resp: 1500972  
Ion Ratio Lower Upper  
45 100  
77 11.2 0.0 31.6  
79 8.7 0.0 29.2





#17  
2-Methylphenol  
Concen: 49.288 ng  
RT: 7.022 min Scan# 838  
Delta R.T. 0.006 min  
Lab File: BF132918.D  
Acq: 19 Apr 2023 18:34

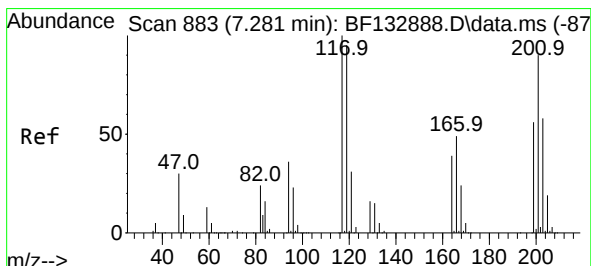
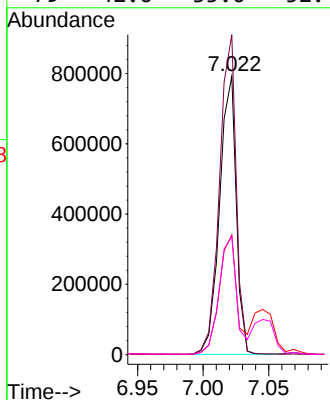
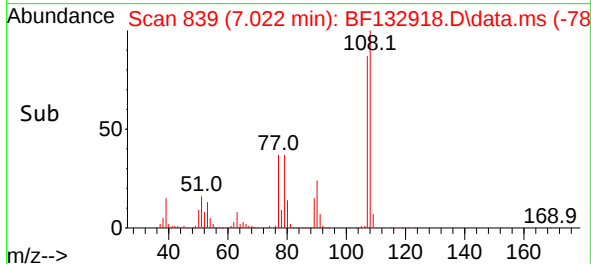
Instrument :  
BNA\_F  
ClientSampleId :  
SB-16-14-16-20230413MS



Tgt Ion:107 Resp: 701199  
Ion Ratio Lower Upper  
107 100  
108 115.0 91.7 137.5  
77 43.0 35.8 53.8  
79 42.6 35.0 52.4

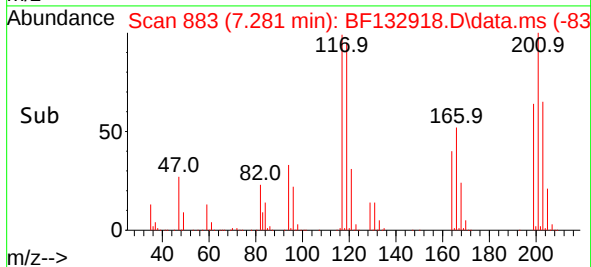
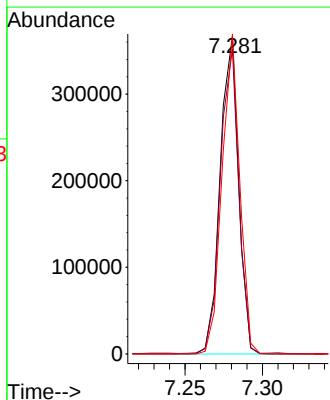
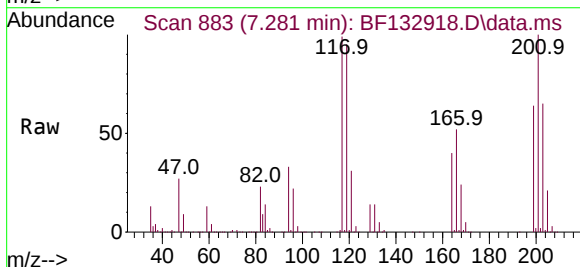
Manual Integrations  
APPROVED

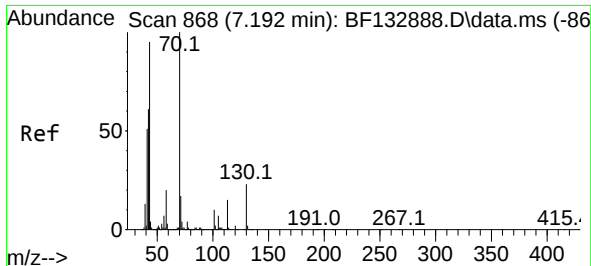
Reviewed By :Christian Giraldo 04/21/2023  
Supervised By :Jagrut Upadhyay 04/24/2023



#18  
Hexachloroethane  
Concen: 51.118 ng  
RT: 7.281 min Scan# 883  
Delta R.T. 0.000 min  
Lab File: BF132918.D  
Acq: 19 Apr 2023 18:34

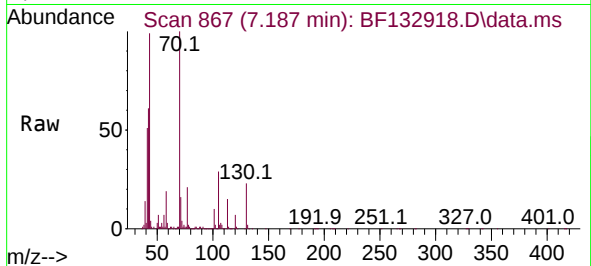
Tgt Ion:117 Resp: 303485  
Ion Ratio Lower Upper  
117 100  
119 96.0 76.1 114.1  
201 100.7 71.8 107.6





#19  
n-Nitroso-di-n-propylamine  
Concen: 50.489 ng  
RT: 7.187 min Scan# 867  
Delta R.T. -0.006 min  
Lab File: BF132918.D  
Acq: 19 Apr 2023 18:34

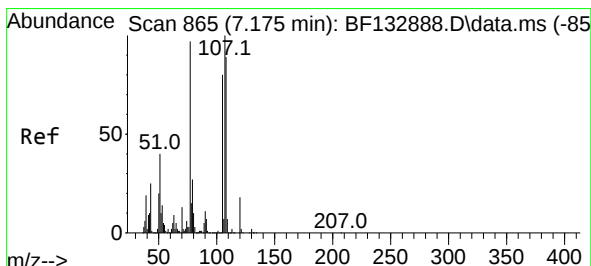
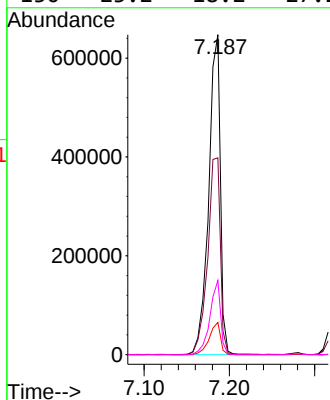
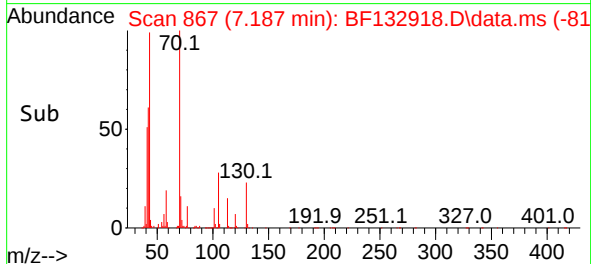
Instrument :  
BNA\_F  
ClientSampleId :  
SB-16-14-16-20230413MS



Tgt Ion: 70 Resp: 615710  
Ion Ratio Lower Upper  
70 100  
42 61.5 49.0 73.6  
101 10.1 8.1 12.1  
130 23.2 18.2 27.2

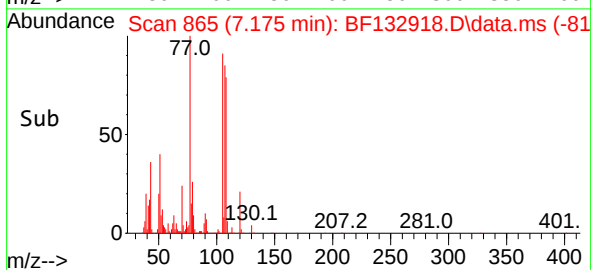
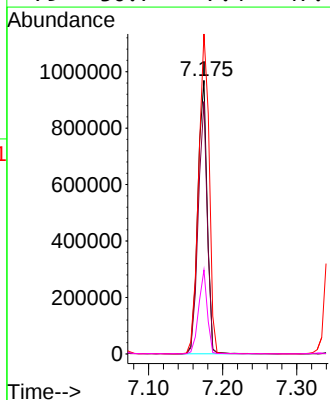
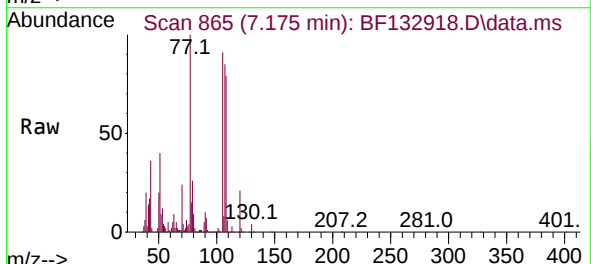
Manual Integrations  
APPROVED

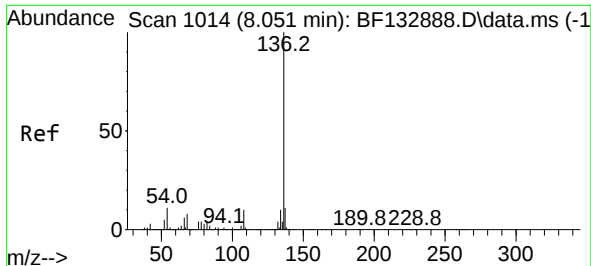
Reviewed By :Christian Giraldo 04/21/2023  
Supervised By :Jagrut Upadhyay 04/24/2023



#20  
3+4-Methylphenols  
Concen: 50.621 ng  
RT: 7.175 min Scan# 865  
Delta R.T. 0.000 min  
Lab File: BF132918.D  
Acq: 19 Apr 2023 18:34

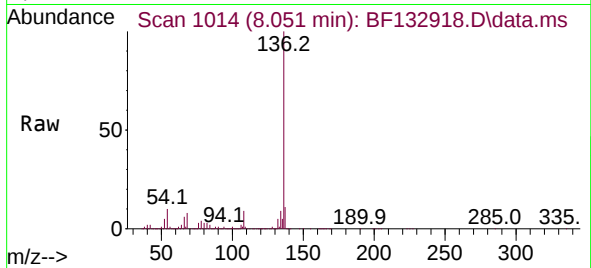
Tgt Ion:107 Resp: 851198  
Ion Ratio Lower Upper  
107 100  
108 92.3 68.5 108.5  
77 117.0 77.1 117.1  
79 30.7 7.4 47.4





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.051 min Scan# 1014  
Delta R.T. 0.000 min  
Lab File: BF132918.D  
Acq: 19 Apr 2023 18:34

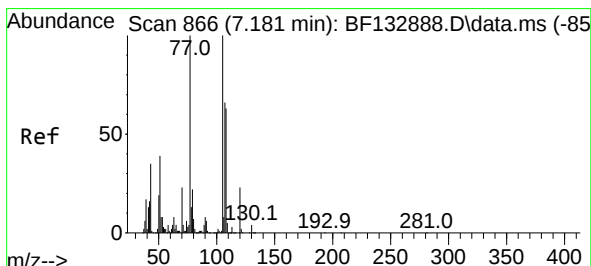
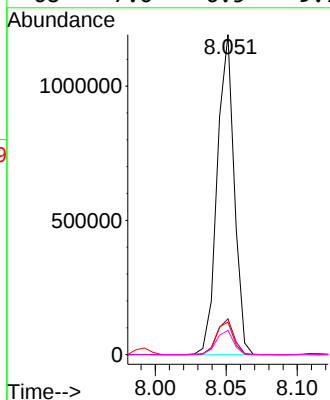
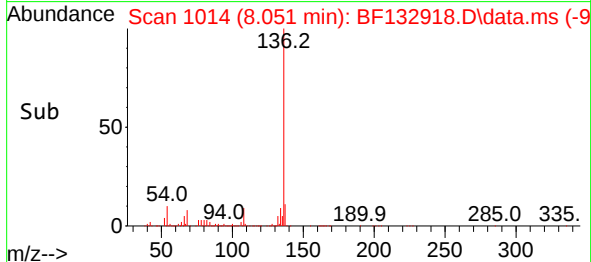
Instrument :  
BNA\_F  
ClientSampleId :  
SB-16-14-16-20230413MS



Tgt Ion:136 Resp: 993494  
Ion Ratio Lower Upper  
136 100  
137 11.2 9.0 13.4  
54 10.2 8.9 13.3  
68 7.6 6.5 9.7

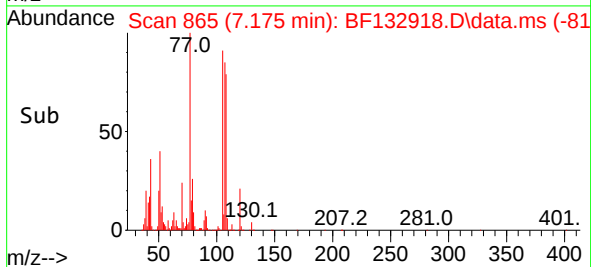
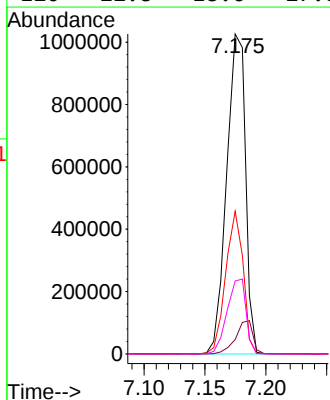
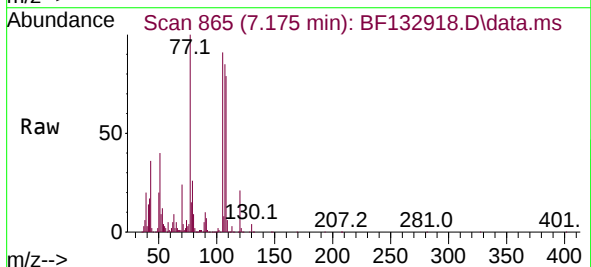
Manual Integrations  
APPROVED

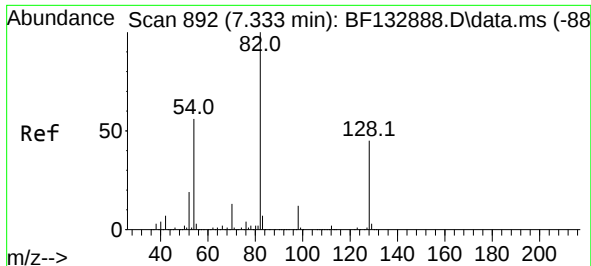
Reviewed By :Christian Giraldo 04/21/2023  
Supervised By :Jagrut Upadhyay 04/24/2023



#22  
Acetophenone  
Concen: 47.463 ng  
RT: 7.175 min Scan# 865  
Delta R.T. -0.006 min  
Lab File: BF132918.D  
Acq: 19 Apr 2023 18:34

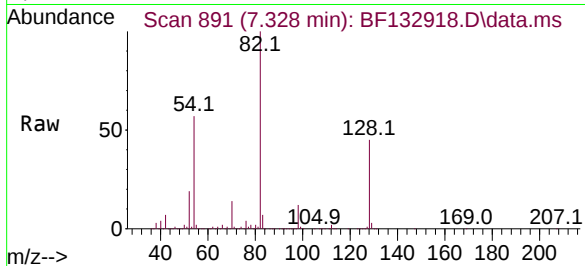
Tgt Ion:105 Resp: 1106194  
Ion Ratio Lower Upper  
105 100  
71 4.5 3.1 4.7  
51 44.6 31.4 47.2  
120 22.8 18.6 27.8





#23  
Nitrobenzene-d5  
Concen: 73.267 ng  
RT: 7.328 min Scan# 891  
Delta R.T. -0.006 min  
Lab File: BF132918.D  
Acq: 19 Apr 2023 18:34

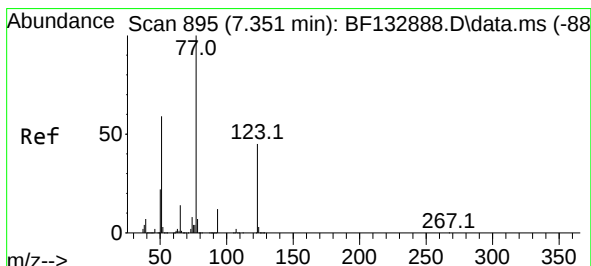
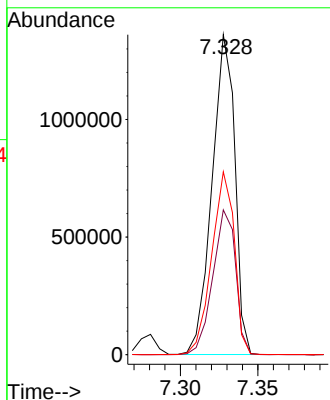
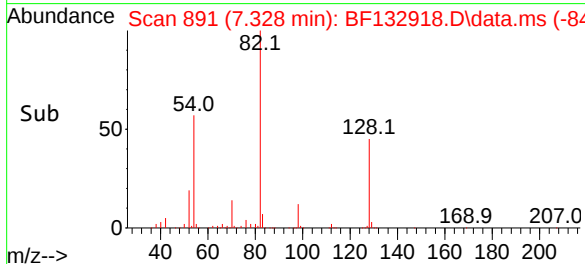
Instrument :  
BNA\_F  
ClientSampleId :  
SB-16-14-16-20230413MS



Tgt Ion: 82 Resp: 1396458  
Ion Ratio Lower Upper  
82 100  
128 45.2 35.7 53.5  
54 57.1 44.7 67.1

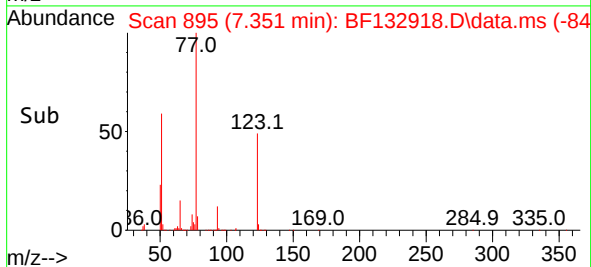
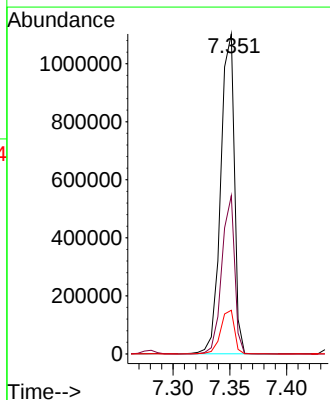
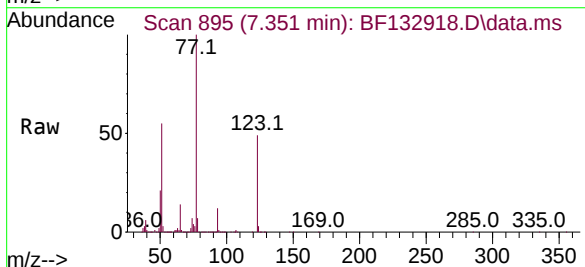
Manual Integrations  
APPROVED

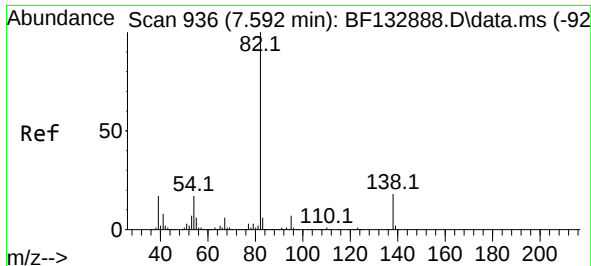
Reviewed By :Christian Giraldo 04/21/2023  
Supervised By :Jagrut Upadhyay 04/24/2023



#24  
Nitrobenzene  
Concen: 47.179 ng  
RT: 7.351 min Scan# 895  
Delta R.T. 0.000 min  
Lab File: BF132918.D  
Acq: 19 Apr 2023 18:34

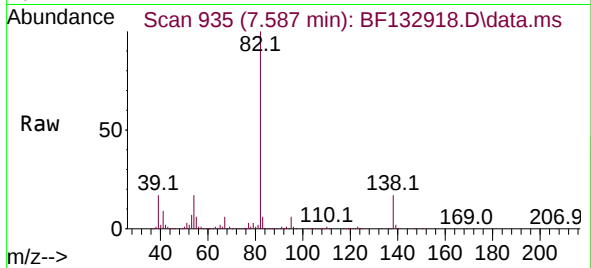
Tgt Ion: 77 Resp: 921690  
Ion Ratio Lower Upper  
77 100  
123 49.4 36.3 54.5  
65 13.6 11.2 16.8





#25  
Isophorone  
Concen: 48.116 ng  
RT: 7.587 min Scan# 936  
Delta R.T. -0.006 min  
Lab File: BF132918.D  
Acq: 19 Apr 2023 18:34

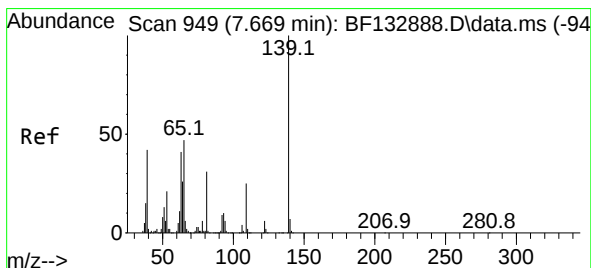
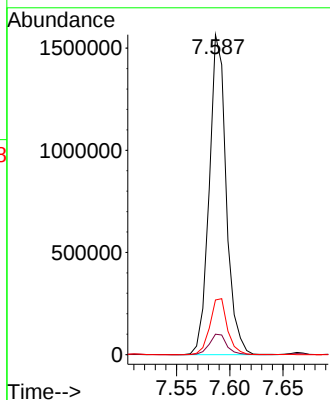
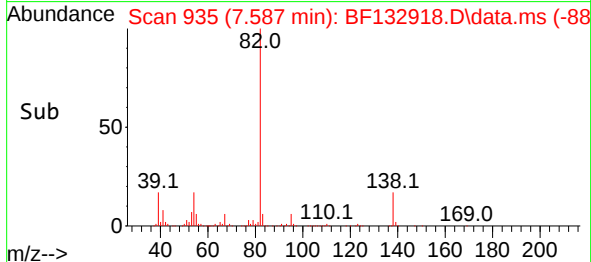
Instrument :  
BNA\_F  
ClientSampleId :  
SB-16-14-16-20230413MS



Tgt Ion: 82 Resp: 173954  
Ion Ratio Lower Upper  
82 100  
95 6.4 5.3 7.9  
138 17.1 14.2 21.2

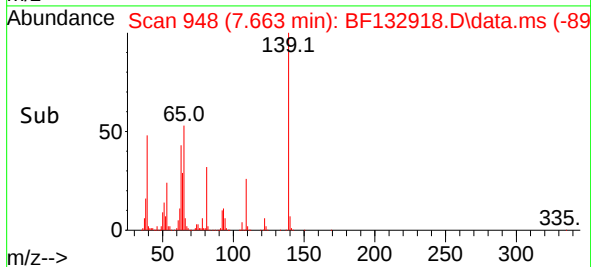
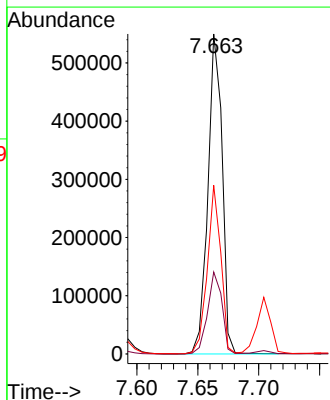
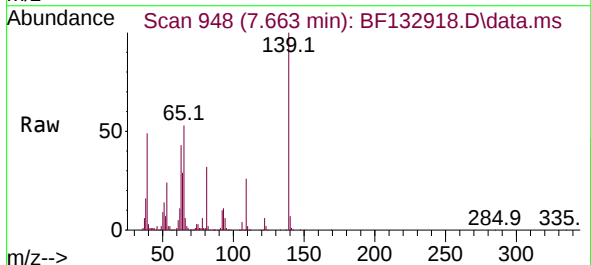
Manual Integrations  
APPROVED

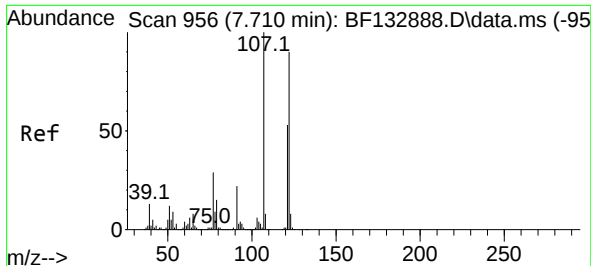
Reviewed By :Christian Giraldo 04/21/2023  
Supervised By :Jagrut Upadhyay 04/24/2023



#26  
2-Nitrophenol  
Concen: 60.761 ng  
RT: 7.663 min Scan# 948  
Delta R.T. -0.006 min  
Lab File: BF132918.D  
Acq: 19 Apr 2023 18:34

Tgt Ion:139 Resp: 447798  
Ion Ratio Lower Upper  
139 100  
109 25.6 20.1 30.1  
65 52.7 38.0 57.0





#27

2,4-Dimethylphenol

Concen: 51.842 ng

RT: 7.704 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF132918.D

Acq: 19 Apr 2023 18:34

Instrument :

BNA\_F

ClientSampleId :

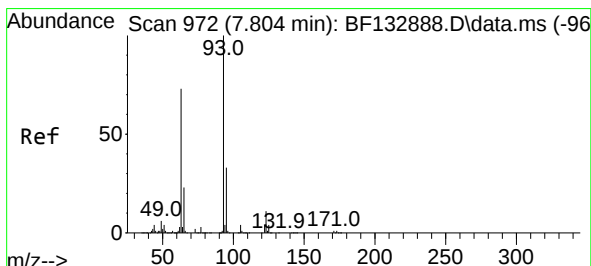
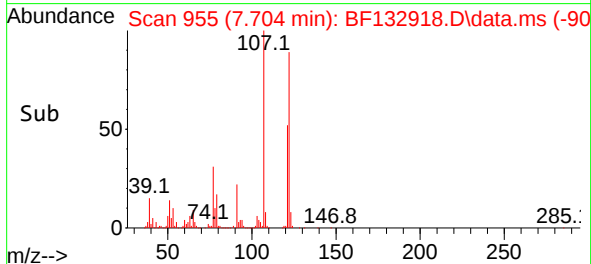
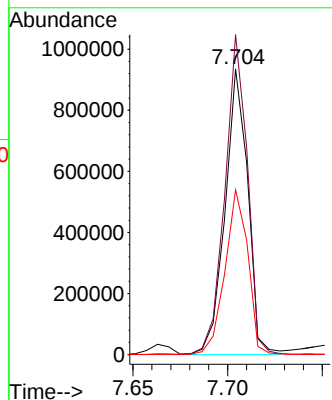
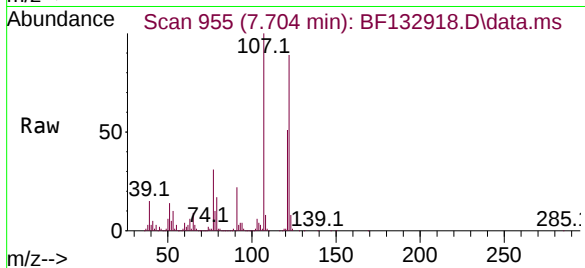
SB-16-14-16-20230413MS

Tgt Ion:122 Resp: 779365  
 Ion Ratio Lower Upper  
 122 100  
 107 112.0 88.5 132.7  
 121 57.7 47.2 70.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/21/2023  
 Supervised By :Jagrut Upadhyay 04/24/2023



#28

bis(2-Chloroethoxy)methane

Concen: 47.484 ng

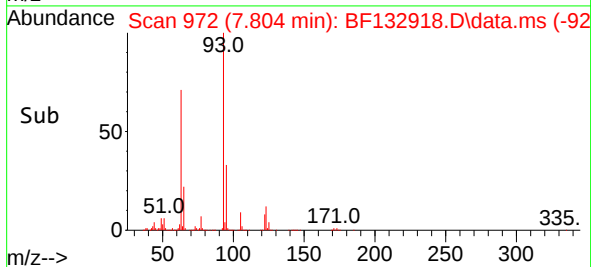
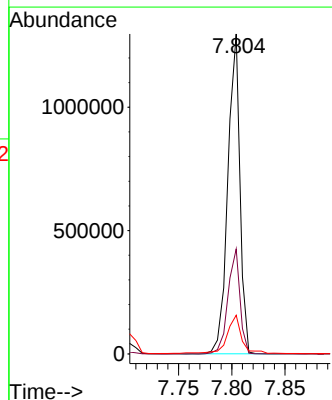
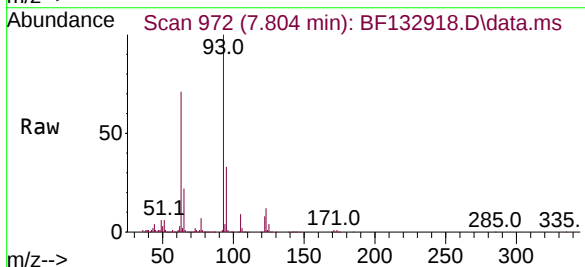
RT: 7.804 min Scan# 972

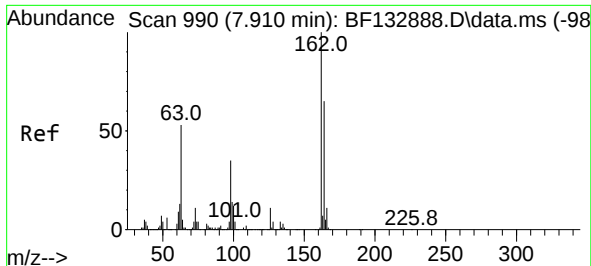
Delta R.T. 0.000 min

Lab File: BF132918.D

Acq: 19 Apr 2023 18:34

Tgt Ion: 93 Resp: 1026399  
 Ion Ratio Lower Upper  
 93 100  
 95 32.8 26.3 39.5  
 123 12.1 9.3 13.9





#29

2,4-Dichlorophenol

Concen: 50.516 ng

RT: 7.904 min Scan# 989

Delta R.T. -0.006 min

Lab File: BF132918.D

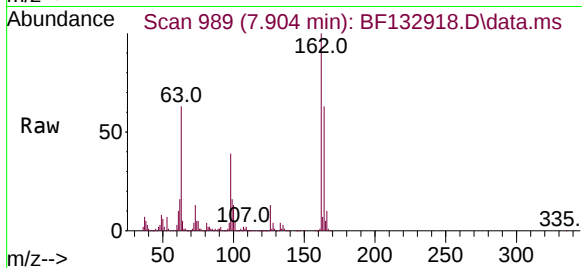
Acq: 19 Apr 2023 18:34

Instrument :

BNA\_F

ClientSampleId :

SB-16-14-16-20230413MS

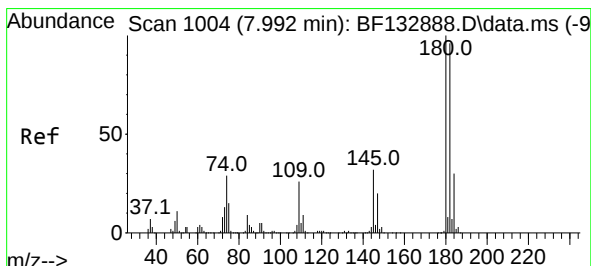
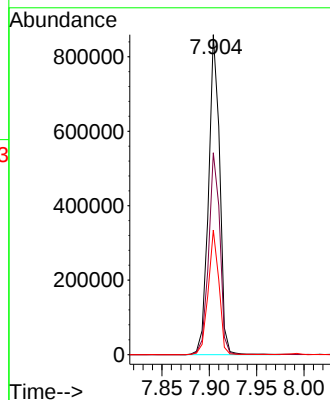
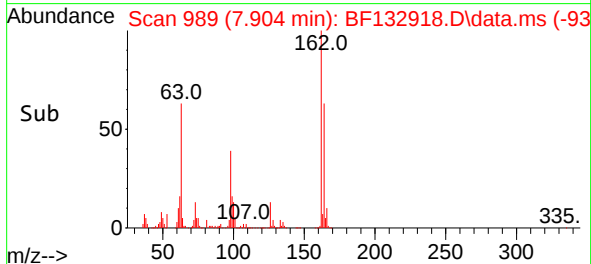


|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 162   | Resp: | 706866 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 164       | 63.1  | 45.2  | 85.2   |
| 98        | 38.9  | 14.8  | 54.8   |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/21/2023  
Supervised By :Jagrut Upadhyay 04/24/2023



#30

1,2,4-Trichlorobenzene

Concen: 47.683 ng

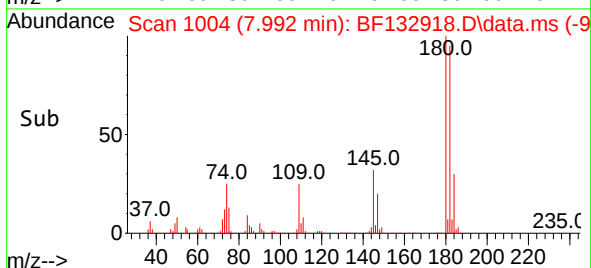
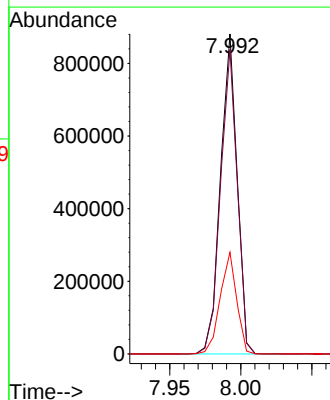
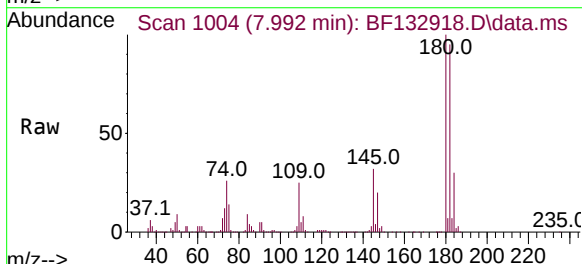
RT: 7.992 min Scan# 1004

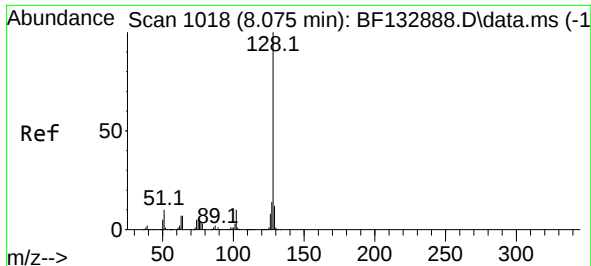
Delta R.T. 0.000 min

Lab File: BF132918.D

Acq: 19 Apr 2023 18:34

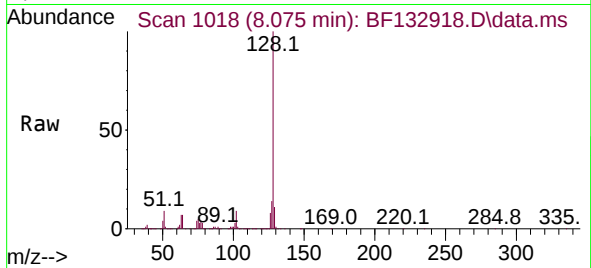
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 720441 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 95.1  | 76.6  | 114.8  |
| 145       | 31.7  | 25.4  | 38.0   |





#31  
Naphthalene  
Concen: 46.543 ng  
RT: 8.075 min Scan# 1018  
Delta R.T. 0.000 min  
Lab File: BF132918.D  
Acq: 19 Apr 2023 18:34

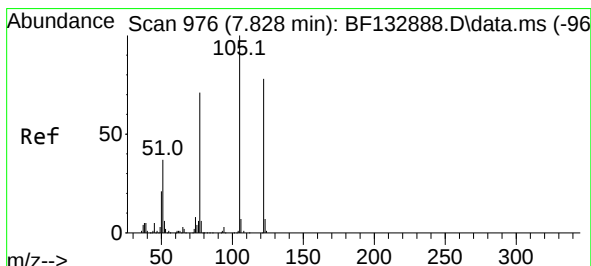
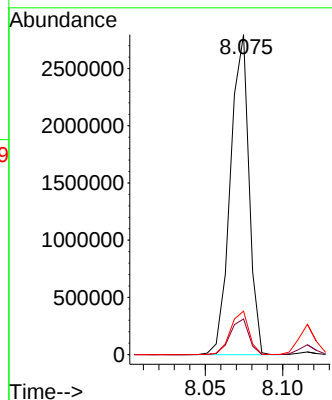
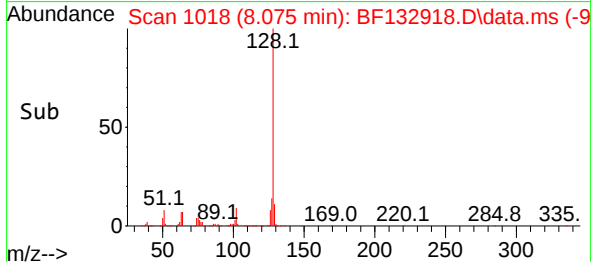
Instrument :  
BNA\_F  
ClientSampleId :  
SB-16-14-16-20230413MS



Tgt Ion:128 Resp: 2336694  
Ion Ratio Lower Upper  
128 100  
129 11.1 9.4 14.0  
127 13.6 11.0 16.6

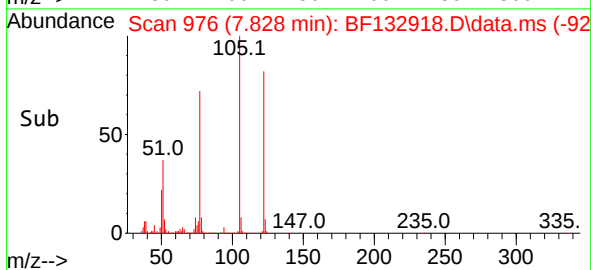
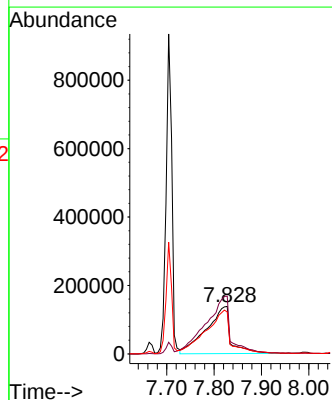
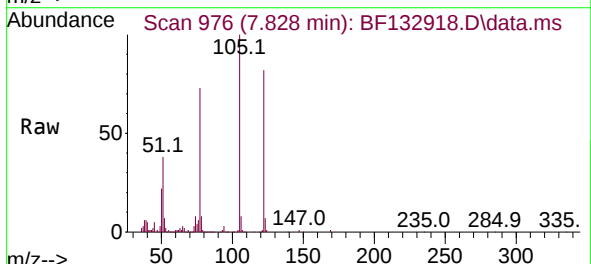
Manual Integrations  
APPROVED

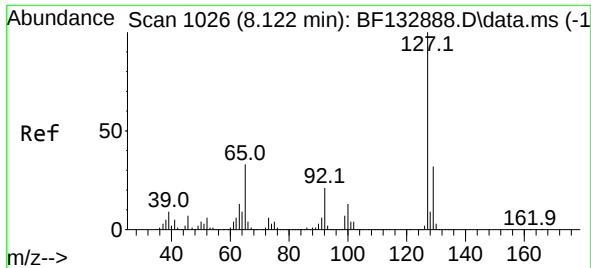
Reviewed By :Christian Giraldo 04/21/2023  
Supervised By :Jagrut Upadhyay 04/24/2023



#32  
Benzoic acid  
Concen: 65.824 ng  
RT: 7.828 min Scan# 976  
Delta R.T. -0.000 min  
Lab File: BF132918.D  
Acq: 19 Apr 2023 18:34

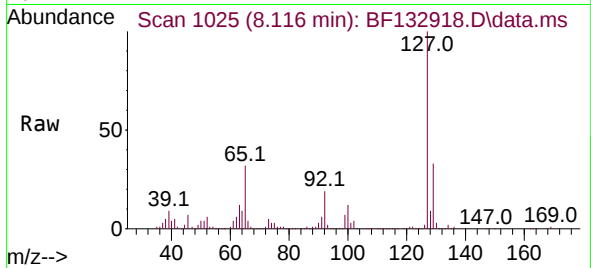
Tgt Ion:122 Resp: 496238  
Ion Ratio Lower Upper  
122 100  
105 121.9 104.5 144.5  
77 88.7 71.2 111.2





#33  
4-Chloroaniline  
Concen: 10.269 ng  
RT: 8.116 min Scan# 1025  
Delta R.T. -0.006 min  
Lab File: BF132918.D  
Acq: 19 Apr 2023 18:34

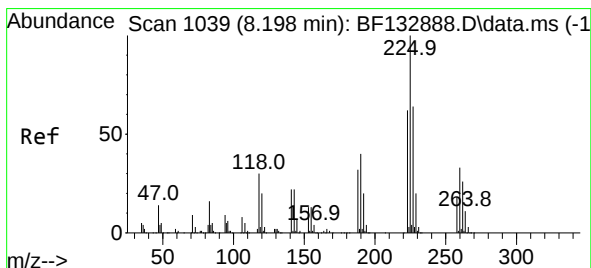
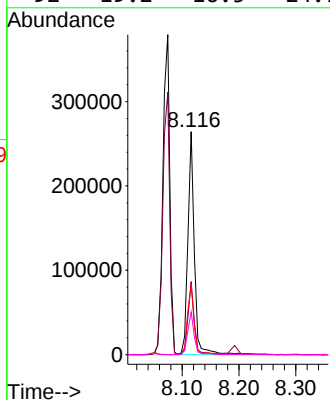
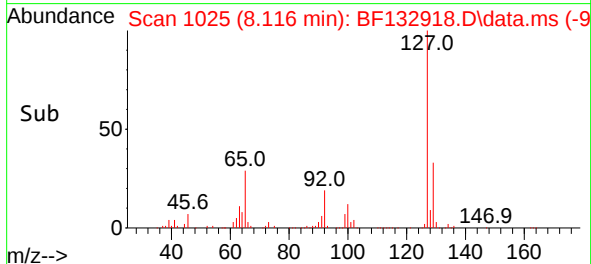
Instrument :  
BNA\_F  
ClientSampleId :  
SB-16-14-16-20230413MS



Tgt Ion:127 Resp: 211152  
Ion Ratio Lower Upper  
127 100  
129 32.8 25.9 38.9  
65 31.6 26.7 40.1  
92 19.2 16.5 24.7

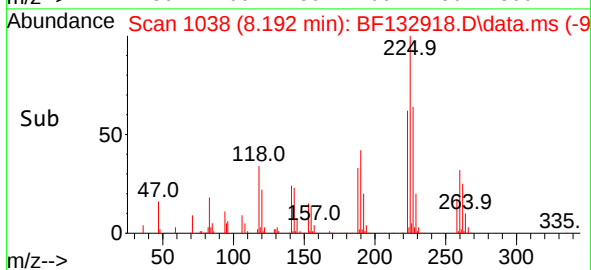
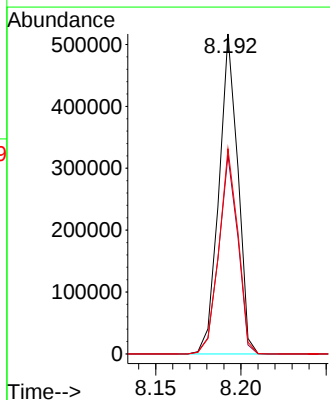
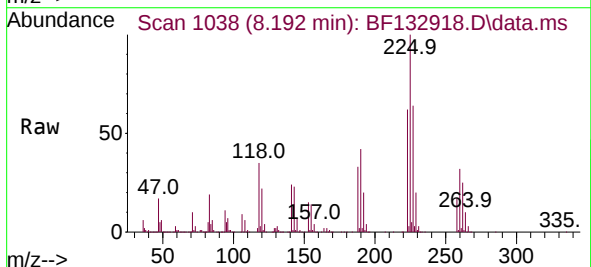
Manual Integrations  
APPROVED

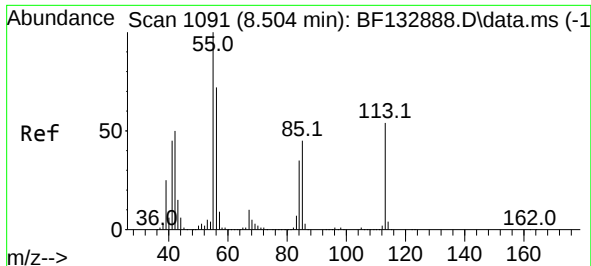
Reviewed By :Christian Giraldo 04/21/2023  
Supervised By :Jagrut Upadhyay 04/24/2023



#34  
Hexachlorobutadiene  
Concen: 45.882 ng  
RT: 8.192 min Scan# 1038  
Delta R.T. -0.006 min  
Lab File: BF132918.D  
Acq: 19 Apr 2023 18:34

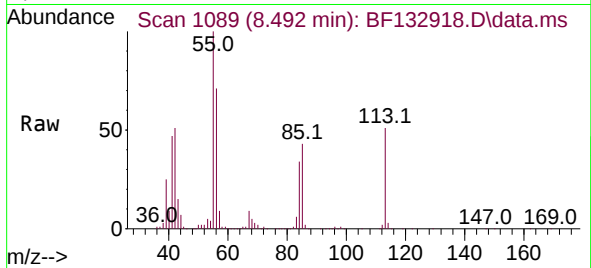
Tgt Ion:225 Resp: 396586  
Ion Ratio Lower Upper  
225 100  
223 62.1 49.6 74.4  
227 64.1 51.6 77.4





#35  
Caprolactam  
Concen: 62.523 ng m  
RT: 8.492 min Scan# 1091  
Delta R.T. -0.012 min  
Lab File: BF132918.D  
Acq: 19 Apr 2023 18:34

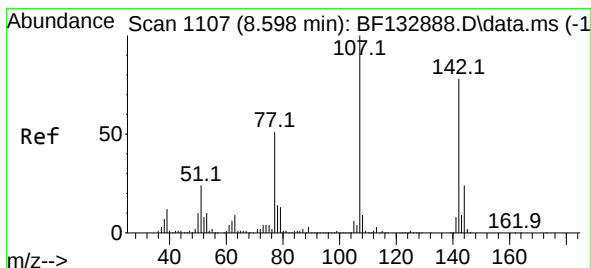
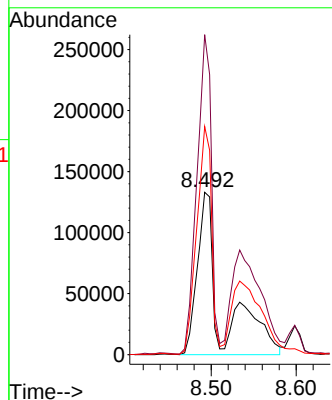
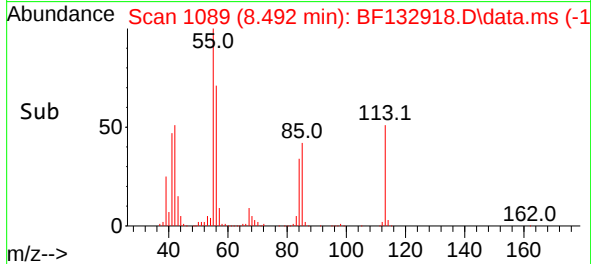
Instrument :  
BNA\_F  
ClientSampleId :  
SB-16-14-16-20230413MS



Tgt Ion:113 Resp: 26054  
Ion Ratio Lower Upper  
113 100  
55 197.2 166.0 206.0  
56 140.6 114.5 154.5

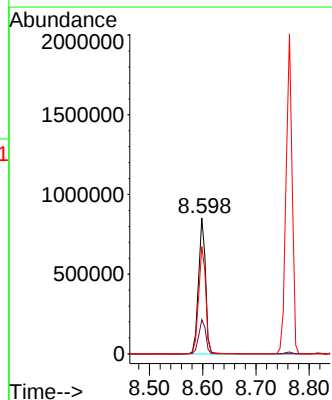
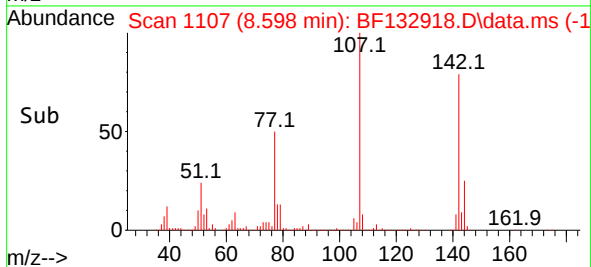
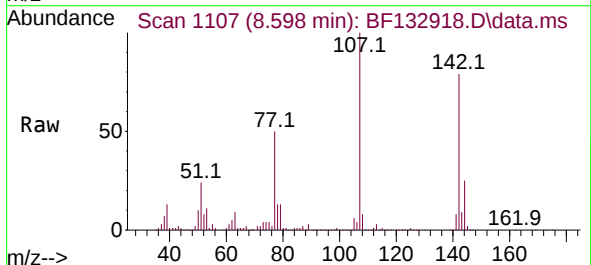
Manual Integrations  
APPROVED

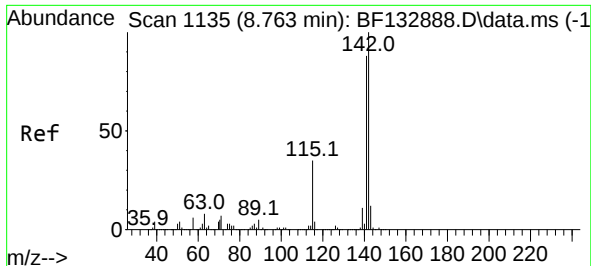
Reviewed By :Christian Giraldo 04/21/2023  
Supervised By :Jagrut Upadhyay 04/24/2023



#36  
4-Chloro-3-methylphenol  
Concen: 53.301 ng  
RT: 8.598 min Scan# 1107  
Delta R.T. 0.000 min  
Lab File: BF132918.D  
Acq: 19 Apr 2023 18:34

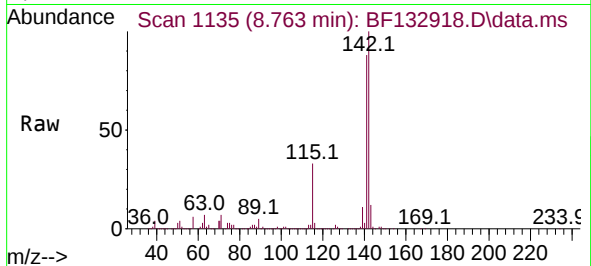
Tgt Ion:107 Resp: 782840  
Ion Ratio Lower Upper  
107 100  
144 25.2 19.4 29.0  
142 78.9 62.2 93.2





#37  
2-Methylnaphthalene  
Concen: 45.515 ng  
RT: 8.763 min Scan# 1135  
Delta R.T. 0.000 min  
Lab File: BF132918.D  
Acq: 19 Apr 2023 18:34

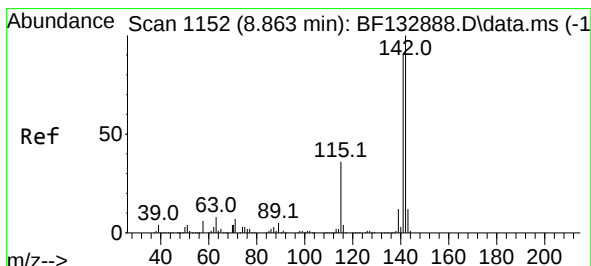
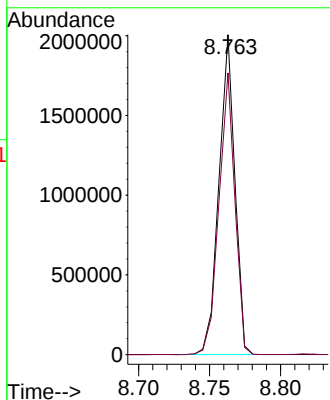
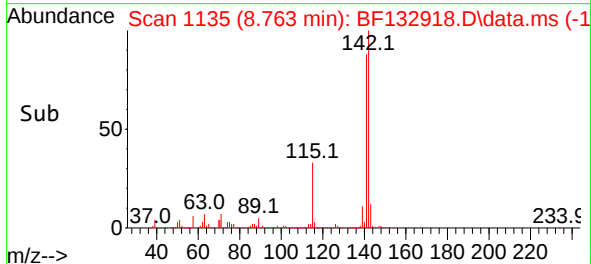
Instrument :  
BNA\_F  
ClientSampleId :  
SB-16-14-16-20230413MS



Tgt Ion:142 Resp: 1572829  
Ion Ratio Lower Upper  
142 100  
141 88.0 70.4 105.6

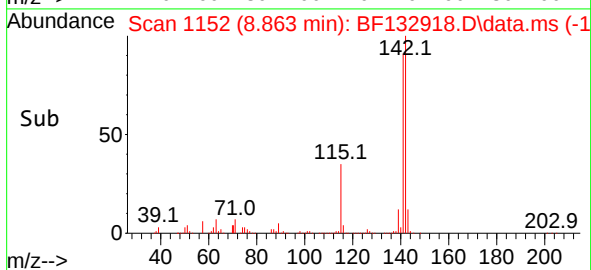
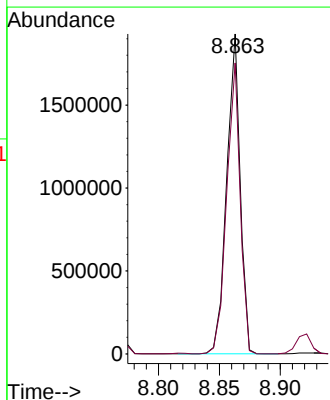
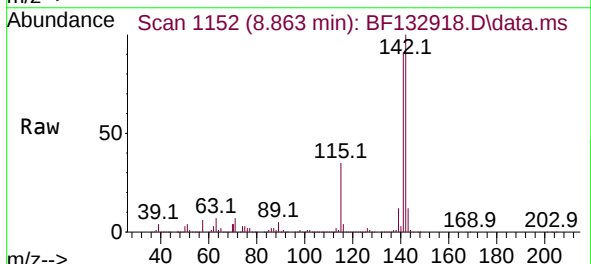
Manual Integrations  
APPROVED

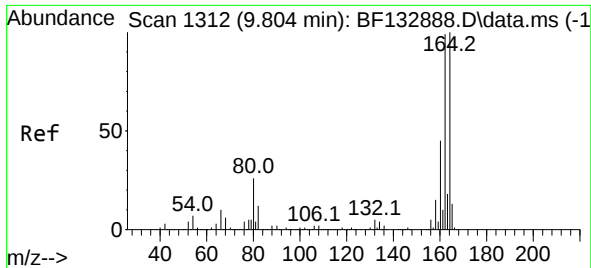
Reviewed By :Christian Giraldo 04/21/2023  
Supervised By :Jagrut Upadhyay 04/24/2023



#38  
1-Methylnaphthalene  
Concen: 46.193 ng  
RT: 8.863 min Scan# 1152  
Delta R.T. 0.000 min  
Lab File: BF132918.D  
Acq: 19 Apr 2023 18:34

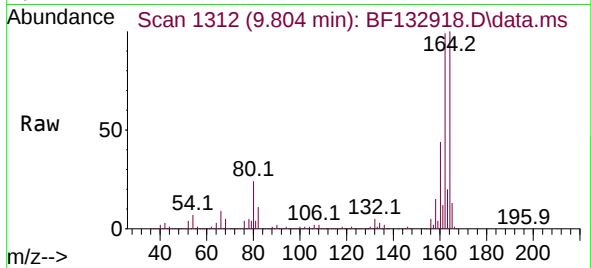
Tgt Ion:142 Resp: 1487333  
Ion Ratio Lower Upper  
142 100  
141 90.9 72.6 109.0





#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.804 min Scan# 1312  
Delta R.T. 0.000 min  
Lab File: BF132918.D  
Acq: 19 Apr 2023 18:34

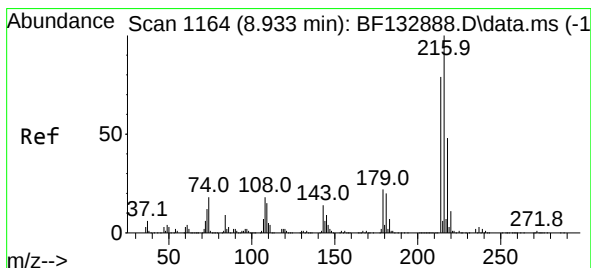
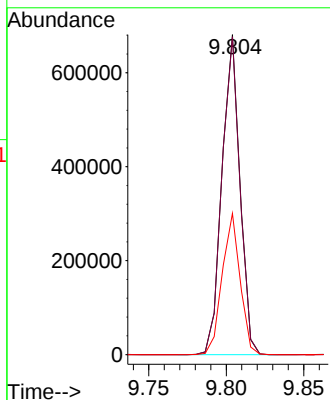
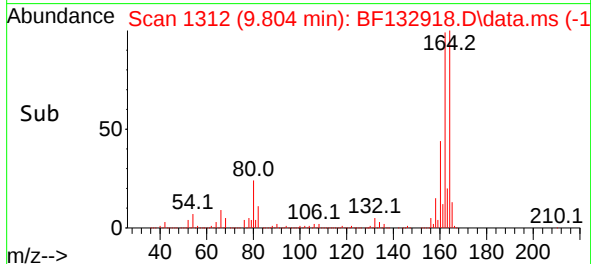
Instrument :  
BNA\_F  
ClientSampleId :  
SB-16-14-16-20230413MS



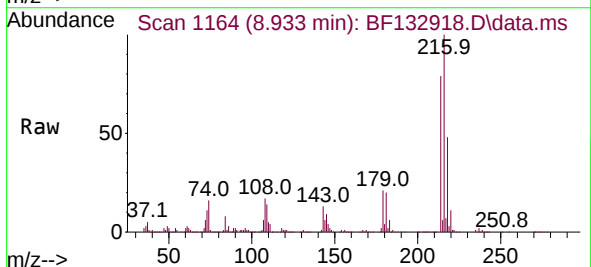
Tgt Ion:164 Resp: 547314  
Ion Ratio Lower Upper  
164 100  
162 99.3 79.1 118.7  
160 44.1 35.6 53.4

Manual Integrations  
APPROVED

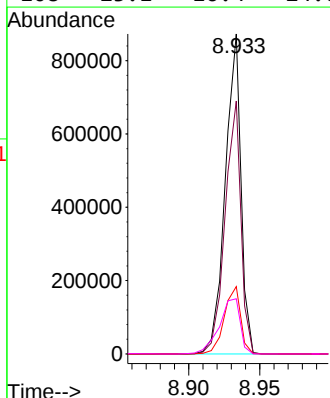
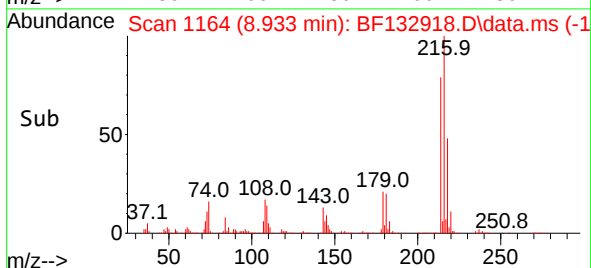
Reviewed By :Christian Giraldo 04/21/2023  
Supervised By :Jagrut Upadhyay 04/24/2023

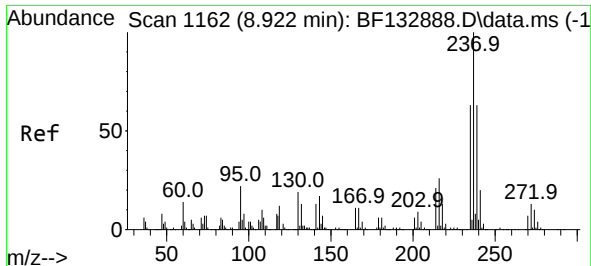


#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 43.408 ng  
RT: 8.933 min Scan# 1164  
Delta R.T. 0.000 min  
Lab File: BF132918.D  
Acq: 19 Apr 2023 18:34



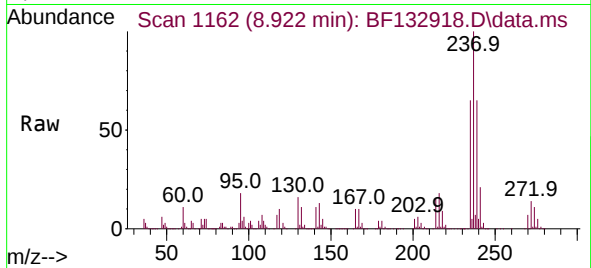
Tgt Ion:216 Resp: 671986  
Ion Ratio Lower Upper  
216 100  
214 79.7 63.1 94.7  
179 21.9 17.4 26.2  
108 23.1 16.4 24.6





#41  
Hexachlorocyclopentadiene  
Concen: 106.763 ng  
RT: 8.922 min Scan# 1162  
Delta R.T. 0.000 min  
Lab File: BF132918.D  
Acq: 19 Apr 2023 18:34

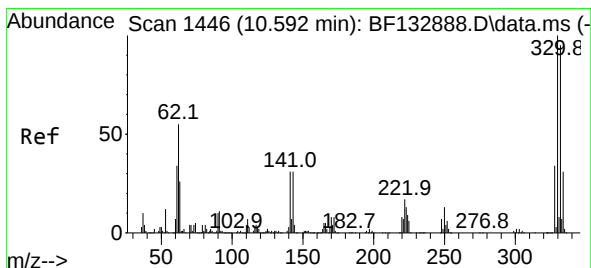
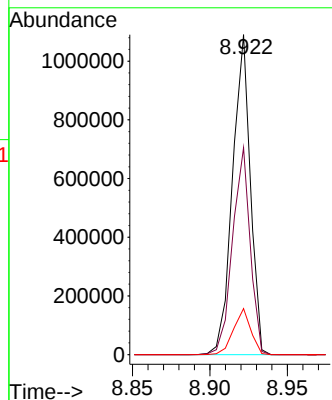
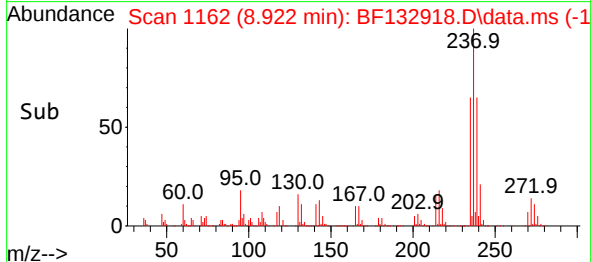
Instrument :  
BNA\_F  
ClientSampleId :  
SB-16-14-16-20230413MS



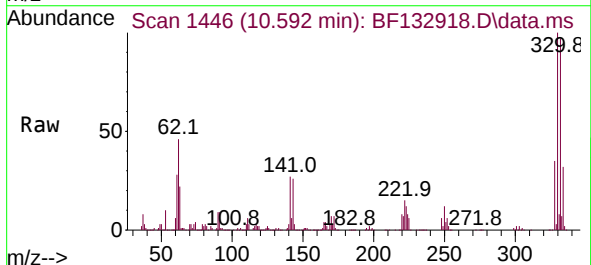
Tgt Ion: 237 Resp: 871134  
Ion Ratio Lower Upper  
237 100  
235 64.7 43.2 83.2  
272 14.4 0.0 32.8

Manual Integrations  
APPROVED

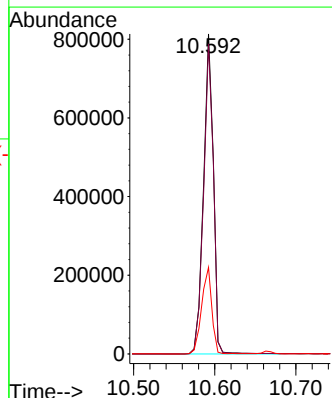
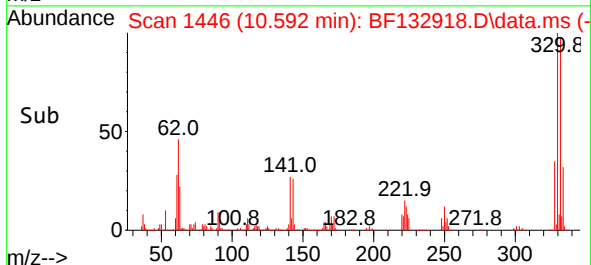
Reviewed By : Christian Giraldo 04/21/2023  
Supervised By : Jagrut Upadhyay 04/24/2023

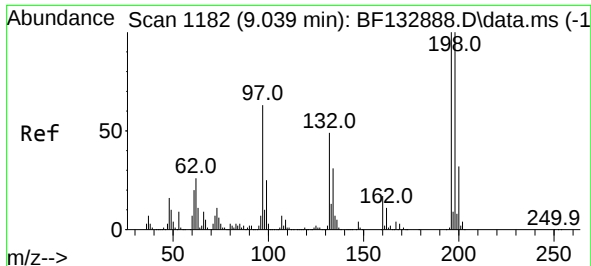


#42  
2,4,6-Tribromophenol  
Concen: 124.112 ng  
RT: 10.592 min Scan# 1446  
Delta R.T. 0.000 min  
Lab File: BF132918.D  
Acq: 19 Apr 2023 18:34



Tgt Ion: 330 Resp: 681326  
Ion Ratio Lower Upper  
330 100  
332 96.9 76.3 114.5  
141 28.0 23.9 35.9





#43

2,4,6-Trichlorophenol

Concen: 50.379 ng

RT: 9.039 min Scan# 1182

Delta R.T. 0.000 min

Lab File: BF132918.D

Acq: 19 Apr 2023 18:34

Instrument :

BNA\_F

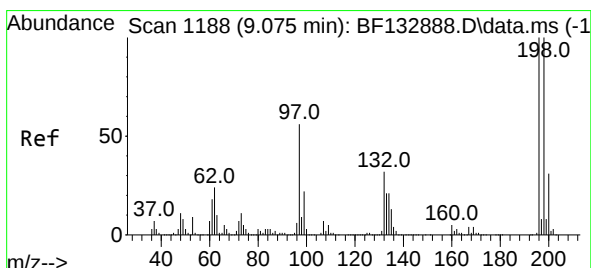
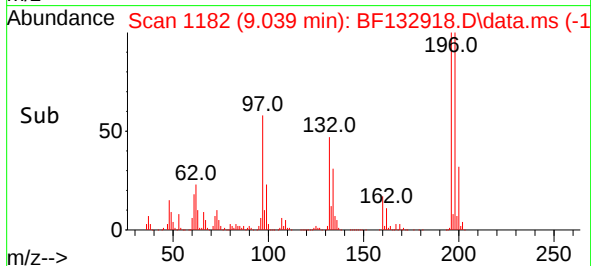
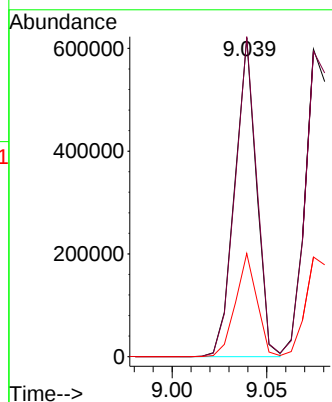
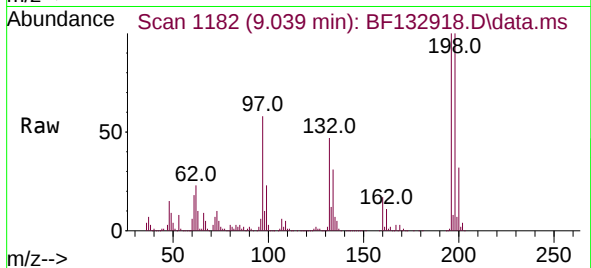
ClientSampleId :

SB-16-14-16-20230413MS

Tgt Ion:196 Resp: 494381  
 Ion Ratio Lower Upper  
 196 100  
 198 100.4 79.8 119.6  
 200 32.4 25.4 38.2

Manual Integrations  
 APPROVED

Reviewed By :Christian Giraldo 04/21/2023  
 Supervised By :Jagrut Upadhyay 04/24/2023



#44

2,4,5-Trichlorophenol

Concen: 46.429 ng

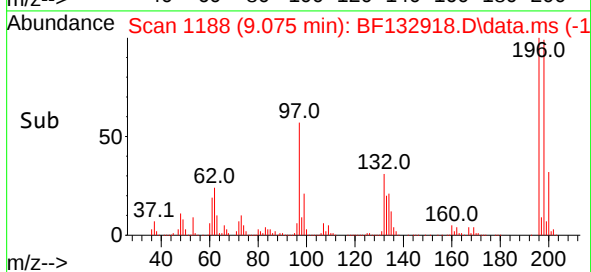
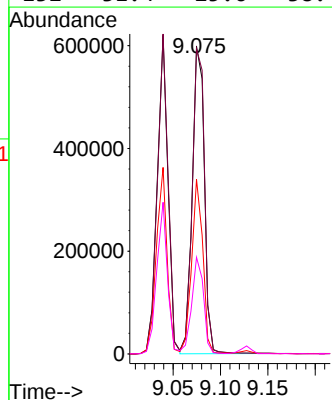
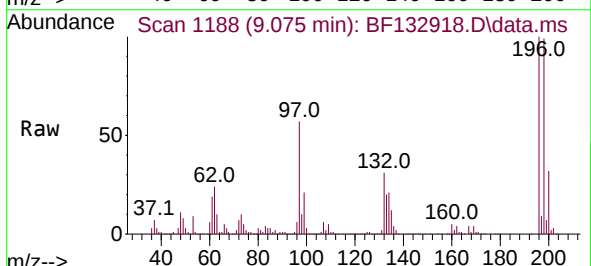
RT: 9.075 min Scan# 1188

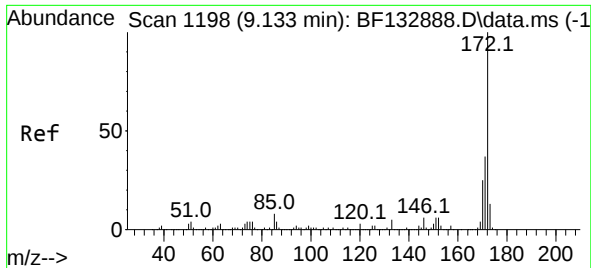
Delta R.T. 0.000 min

Lab File: BF132918.D

Acq: 19 Apr 2023 18:34

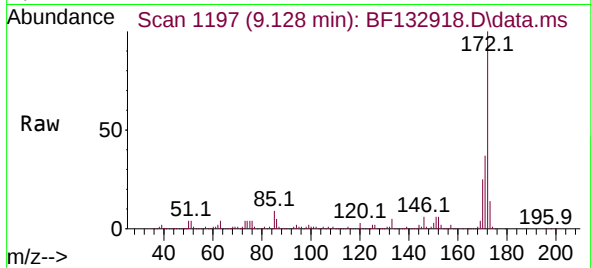
Tgt Ion:196 Resp: 532769  
 Ion Ratio Lower Upper  
 196 100  
 198 99.3 80.2 120.2  
 97 56.8 45.0 67.6  
 132 31.4 25.6 38.4





#45  
2-Fluorobiphenyl  
Concen: 68.475 ng  
RT: 9.128 min Scan# 1198  
Delta R.T. -0.006 min  
Lab File: BF132918.D  
Acq: 19 Apr 2023 18:34

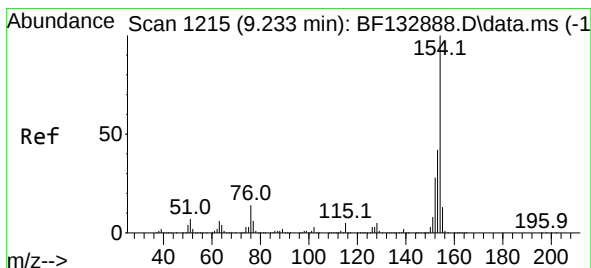
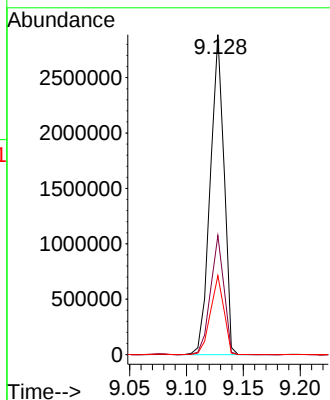
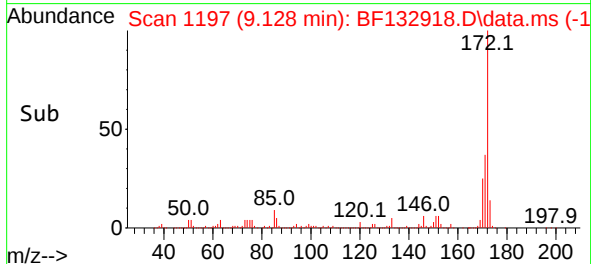
Instrument :  
BNA\_F  
ClientSampleId :  
SB-16-14-16-20230413MS



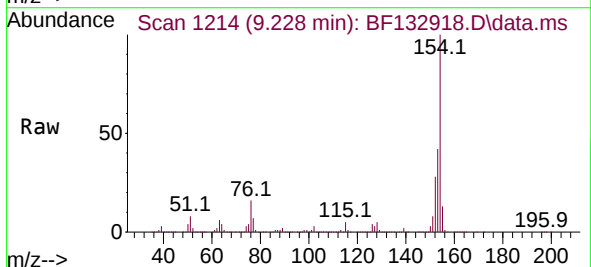
Tgt Ion:172 Resp: 243957  
Ion Ratio Lower Upper  
172 100  
171 37.2 29.4 44.0  
170 24.7 20.1 30.1

Manual Integrations  
APPROVED

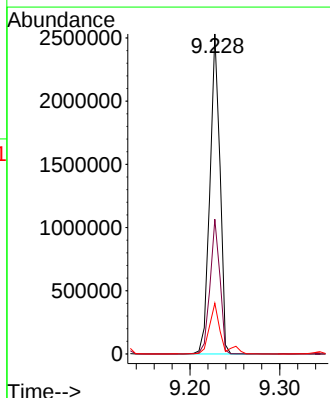
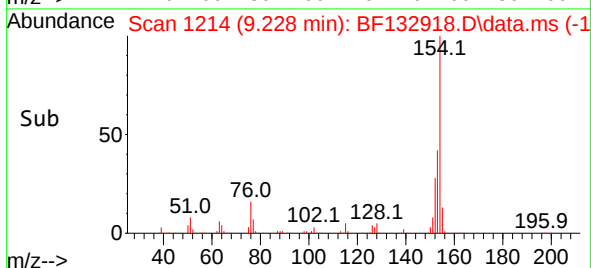
Reviewed By :Christian Giraldo 04/21/2023  
Supervised By :Jagrut Upadhyay 04/24/2023

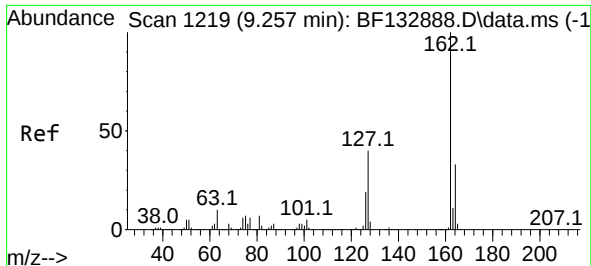


#46  
1,1'-Biphenyl  
Concen: 45.178 ng  
RT: 9.228 min Scan# 1214  
Delta R.T. -0.006 min  
Lab File: BF132918.D  
Acq: 19 Apr 2023 18:34



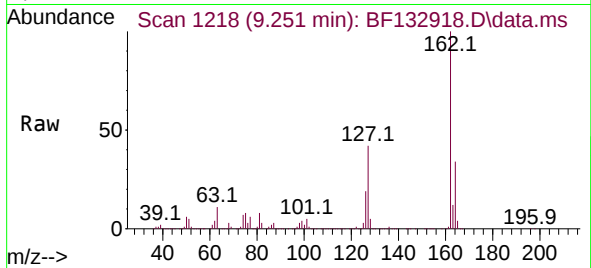
Tgt Ion:154 Resp: 1960189  
Ion Ratio Lower Upper  
154 100  
153 42.1 21.8 61.8  
76 15.8 0.0 34.0





#47  
2-Chloronaphthalene  
Concen: 46.330 ng  
RT: 9.251 min Scan# 1218  
Delta R.T. -0.006 min  
Lab File: BF132918.D  
Acq: 19 Apr 2023 18:34

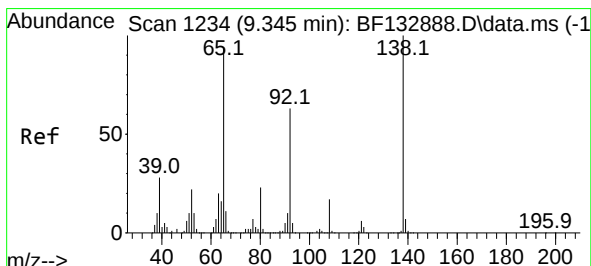
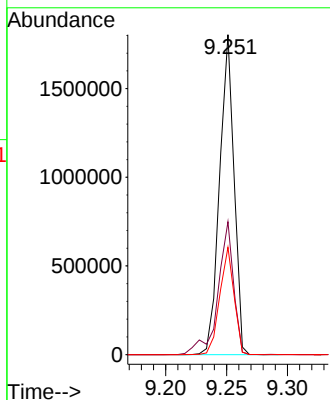
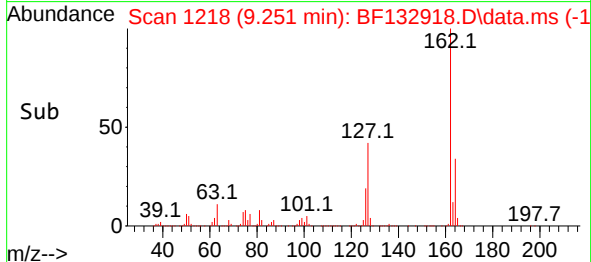
Instrument :  
BNA\_F  
ClientSampleId :  
SB-16-14-16-20230413MS



Tgt Ion:162 Resp: 1487526  
Ion Ratio Lower Upper  
162 100  
127 41.5 32.2 48.2  
164 33.5 26.5 39.7

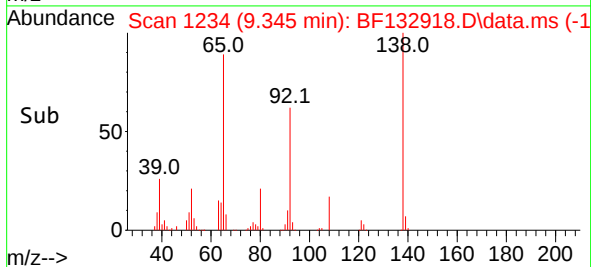
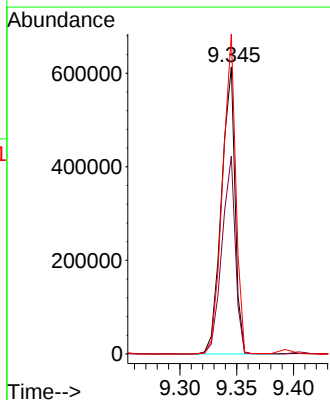
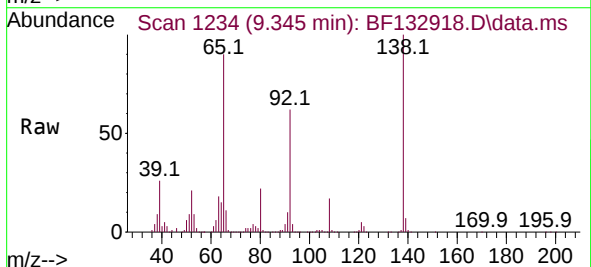
Manual Integrations  
APPROVED

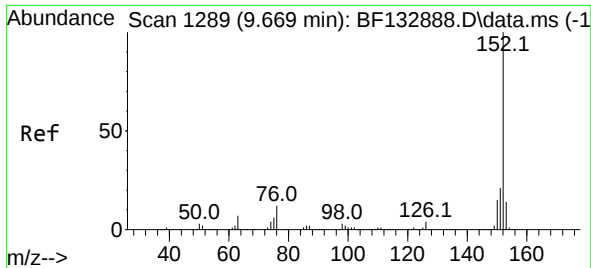
Reviewed By :Christian Giraldo 04/21/2023  
Supervised By :Jagrut Upadhyay 04/24/2023



#48  
2-Nitroaniline  
Concen: 54.835 ng  
RT: 9.345 min Scan# 1234  
Delta R.T. 0.000 min  
Lab File: BF132918.D  
Acq: 19 Apr 2023 18:34

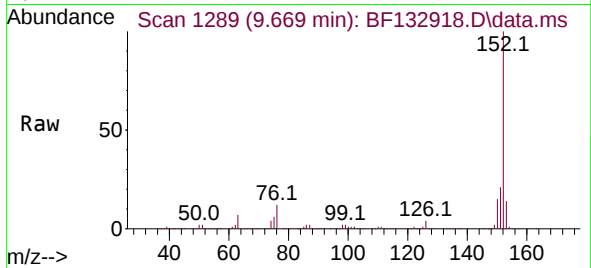
Tgt Ion: 65 Resp: 509334  
Ion Ratio Lower Upper  
65 100  
92 68.9 53.5 80.3  
138 111.5 84.8 127.2





#49  
Acenaphthylene  
Concen: 45.355 ng  
RT: 9.669 min Scan# 1289  
Delta R.T. 0.000 min  
Lab File: BF132918.D  
Acq: 19 Apr 2023 18:34

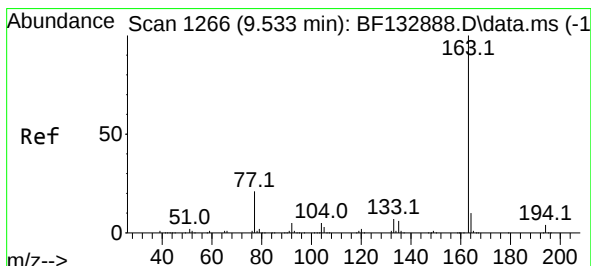
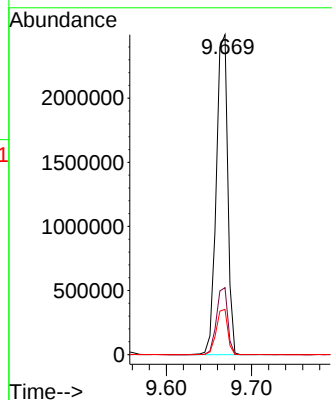
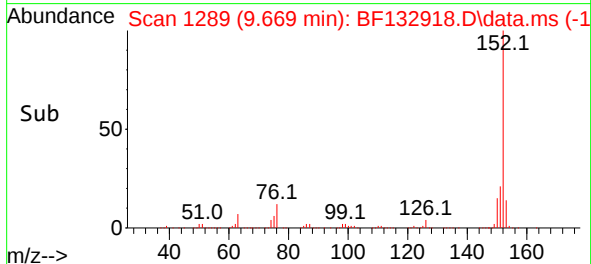
Instrument :  
BNA\_F  
ClientSampleId :  
SB-16-14-16-20230413MS



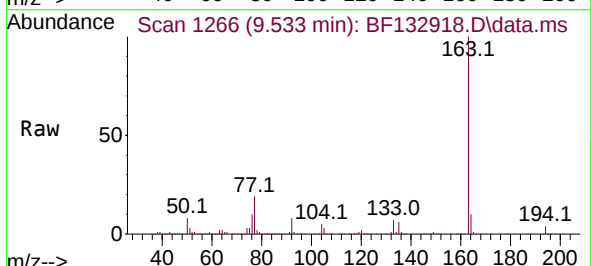
Tgt Ion:152 Resp: 2322634  
Ion Ratio Lower Upper  
152 100  
151 20.9 16.4 24.6  
153 14.1 11.4 17.0

Manual Integrations  
APPROVED

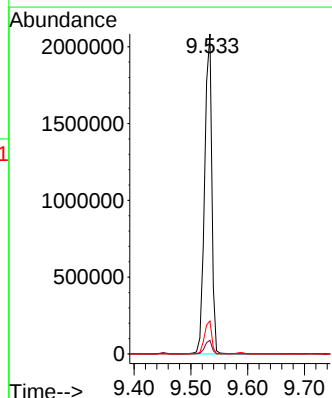
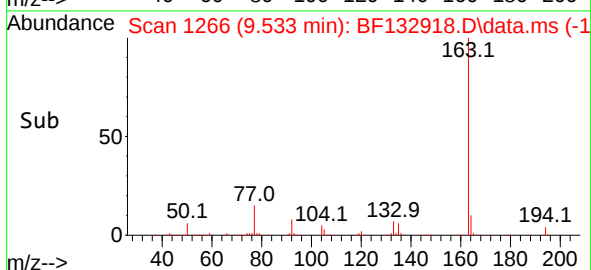
Reviewed By :Christian Giraldo 04/21/2023  
Supervised By :Jagrut Upadhyay 04/24/2023

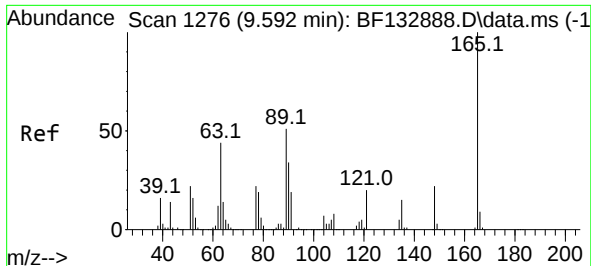


#50  
Dimethylphthalate  
Concen: 48.039 ng  
RT: 9.533 min Scan# 1266  
Delta R.T. 0.000 min  
Lab File: BF132918.D  
Acq: 19 Apr 2023 18:34



Tgt Ion:163 Resp: 1817760  
Ion Ratio Lower Upper  
163 100  
194 4.2 3.4 5.0  
164 10.3 8.3 12.5





#51

2,6-Dinitrotoluene

Concen: 51.445 ng

RT: 9.586 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF132918.D

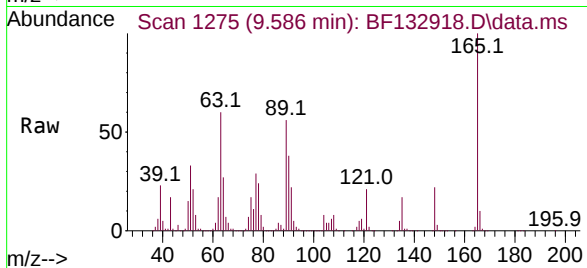
Acq: 19 Apr 2023 18:34

Instrument :

BNA\_F

ClientSampleId :

SB-16-14-16-20230413MS

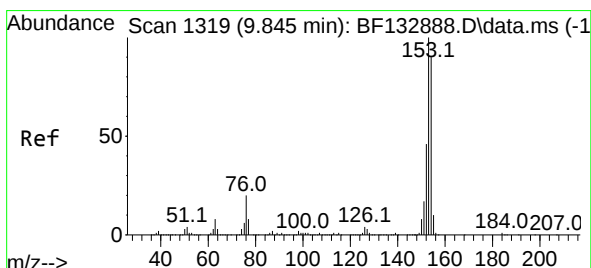
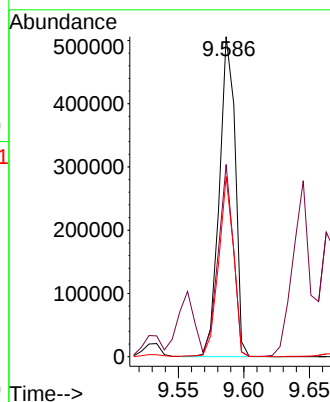
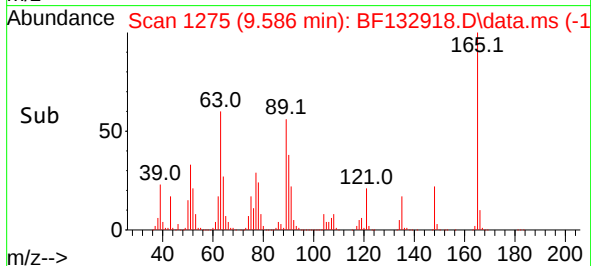


Tgt Ion:165 Resp: 426798

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 165 | 100   |       |       |
| 63  | 60.0  | 42.6  | 63.8  |
| 89  | 56.3  | 41.0  | 61.4  |

Manual Integrations  
APPROVED

Reviewed By :Christian Giraldo 04/21/2023  
Supervised By :Jagrut Upadhyay 04/24/2023



#52

Acenaphthene

Concen: 51.456 ng

RT: 9.839 min Scan# 1318

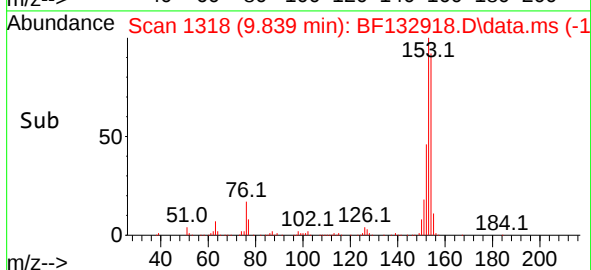
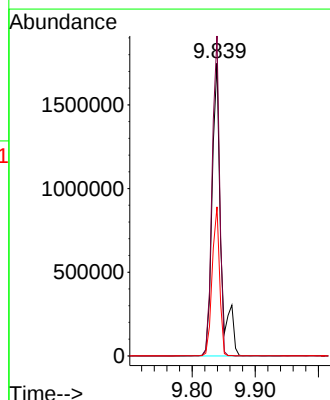
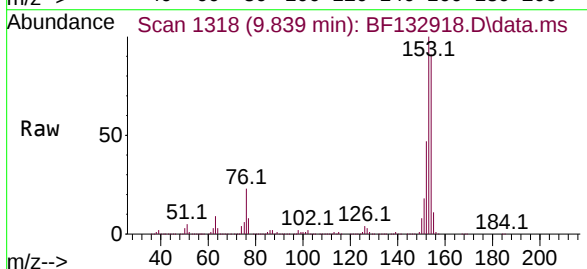
Delta R.T. -0.006 min

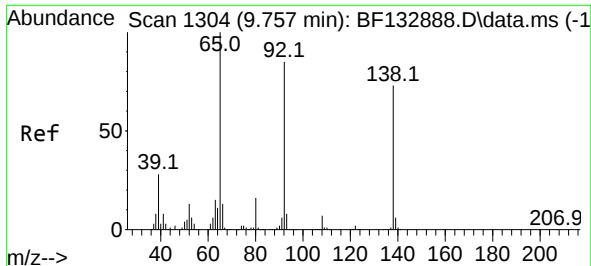
Lab File: BF132918.D

Acq: 19 Apr 2023 18:34

Tgt Ion:154 Resp: 1698043

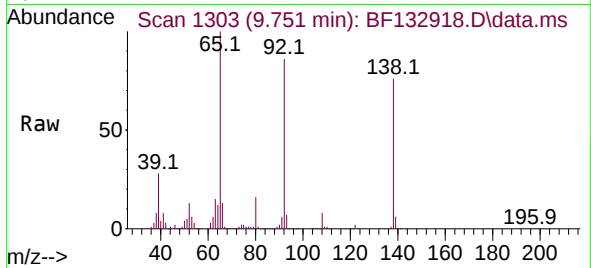
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 154 | 100   |       |       |
| 153 | 109.3 | 88.8  | 133.2 |
| 152 | 50.9  | 41.2  | 61.8  |





#53  
3-Nitroaniline  
Concen: 30.279 ng  
RT: 9.751 min Scan# 1303  
Delta R.T. -0.006 min  
Lab File: BF132918.D  
Acq: 19 Apr 2023 18:34

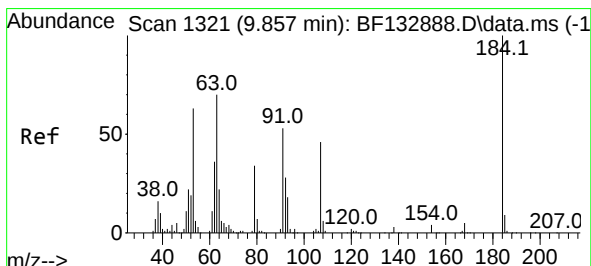
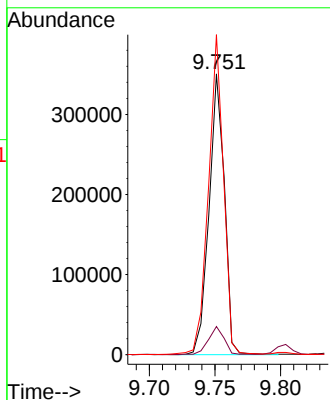
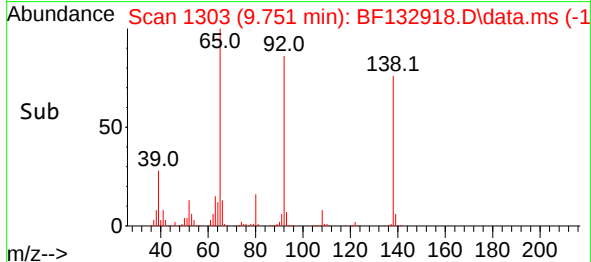
Instrument :  
BNA\_F  
ClientSampleId :  
SB-16-14-16-20230413MS



Tgt Ion:138 Resp: 285854  
Ion Ratio Lower Upper  
138 100  
108 10.0 8.2 12.2  
92 114.0 93.8 140.8

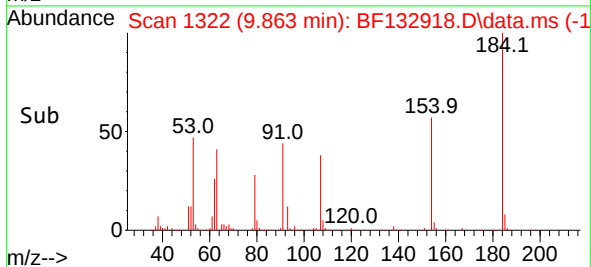
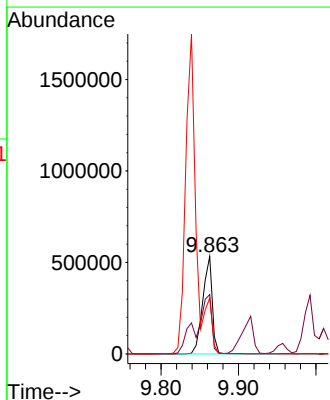
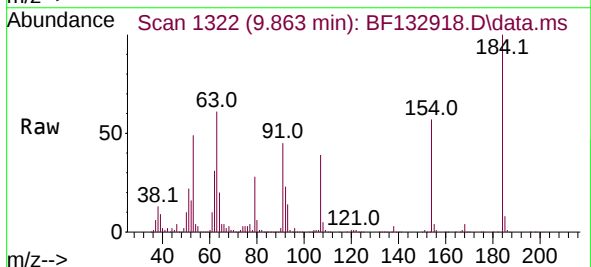
Manual Integrations  
APPROVED

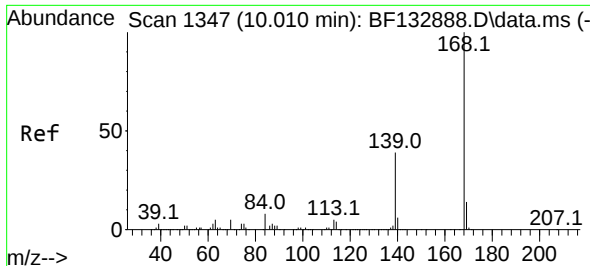
Reviewed By :Christian Giraldo 04/21/2023  
Supervised By :Jagrut Upadhyay 04/24/2023



#54  
2,4-Dinitrophenol  
Concen: 140.675 ng  
RT: 9.863 min Scan# 1322  
Delta R.T. 0.006 min  
Lab File: BF132918.D  
Acq: 19 Apr 2023 18:34

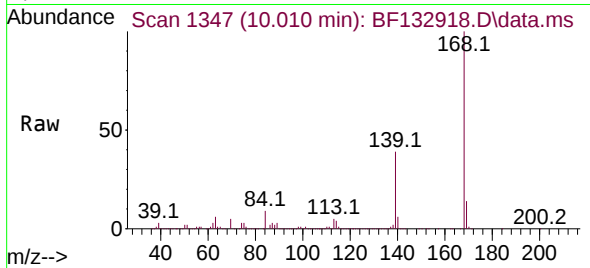
Tgt Ion:184 Resp: 454631  
Ion Ratio Lower Upper  
184 100  
63 60.8 62.7 94.1#  
154 57.0 49.9 74.9





#55  
Dibenzofuran  
Concen: 46.120 ng  
RT: 10.010 min Scan# 1347  
Delta R.T. 0.000 min  
Lab File: BF132918.D  
Acq: 19 Apr 2023 18:34

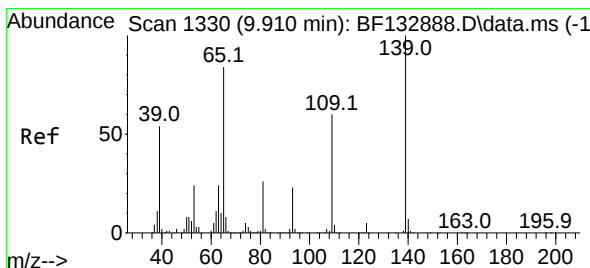
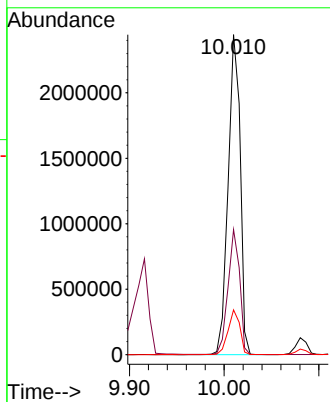
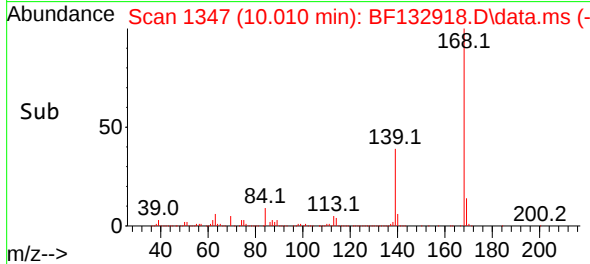
Instrument :  
BNA\_F  
ClientSampleId :  
SB-16-14-16-20230413MS



Tgt Ion:168 Resp: 2159325  
Ion Ratio Lower Upper  
168 100  
139 39.1 31.4 47.0  
169 14.0 11.2 16.8

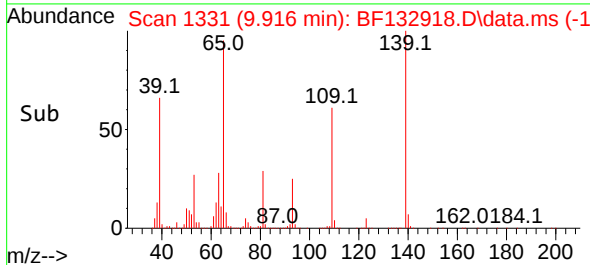
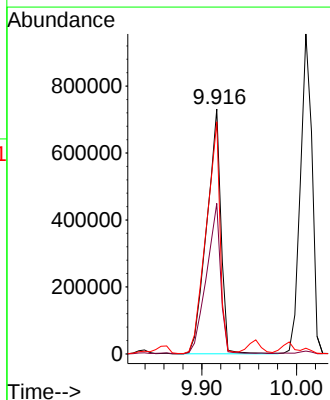
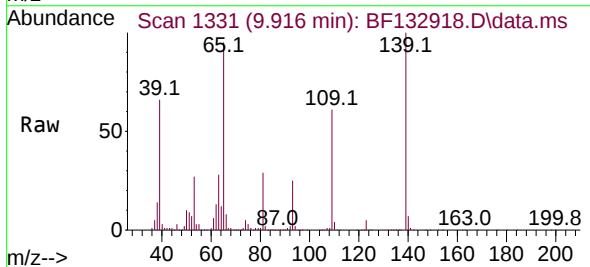
Manual Integrations  
APPROVED

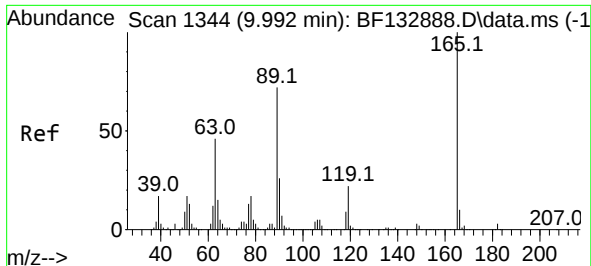
Reviewed By :Christian Giraldo 04/21/2023  
Supervised By :Jagrut Upadhyay 04/24/2023



#56  
4-Nitrophenol  
Concen: 109.017 ng  
RT: 9.916 min Scan# 1331  
Delta R.T. 0.006 min  
Lab File: BF132918.D  
Acq: 19 Apr 2023 18:34

Tgt Ion:139 Resp: 764519  
Ion Ratio Lower Upper  
139 100  
109 61.4 40.4 80.4  
65 94.8 64.2 104.2





#57

2,4-Dinitrotoluene

Concen: 55.963 ng

RT: 9.992 min Scan# 1344

Delta R.T. 0.000 min

Lab File: BF132918.D

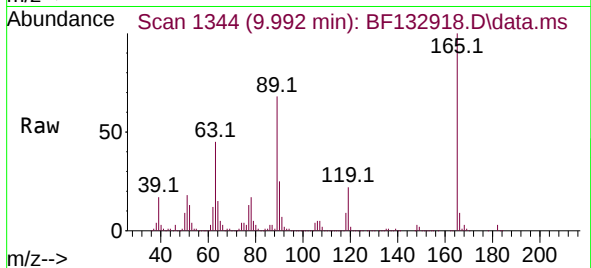
Acq: 19 Apr 2023 18:34

Instrument :

BNA\_F

ClientSampleId :

SB-16-14-16-20230413MS



Tgt Ion:165 Resp: 573009

Ion Ratio Lower Upper

165 100

63 44.8 37.0 55.6

89 68.5 57.8 86.6

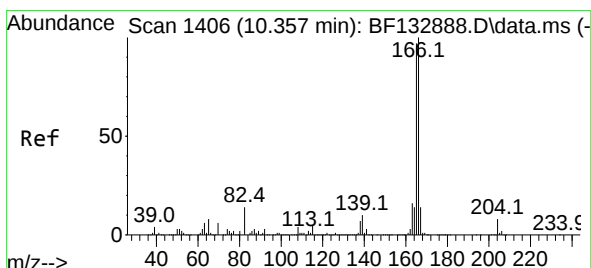
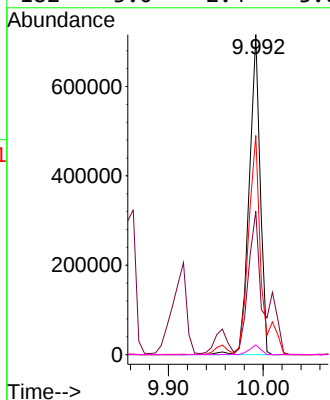
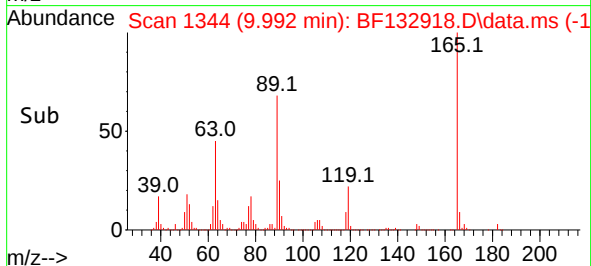
182 3.0 2.4 3.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/21/2023

Supervised By :Jagrut Upadhyay 04/24/2023



#58

Fluorene

Concen: 46.670 ng

RT: 10.351 min Scan# 1405

Delta R.T. -0.006 min

Lab File: BF132918.D

Acq: 19 Apr 2023 18:34

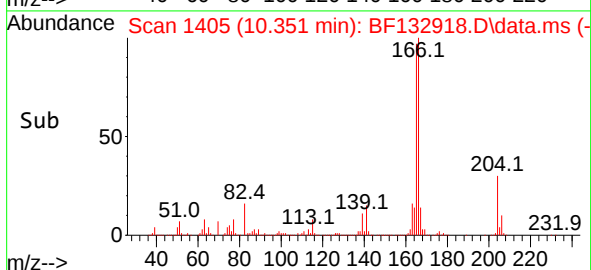
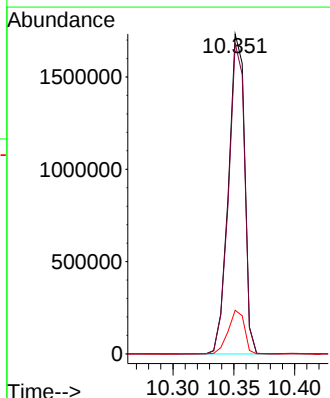
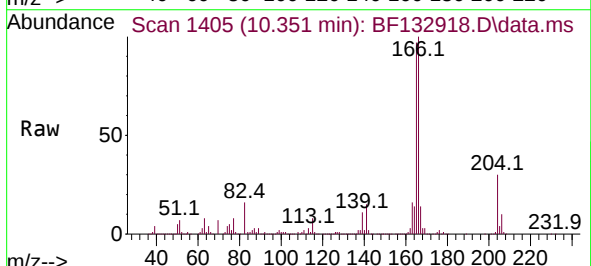
Tgt Ion:166 Resp: 1600633

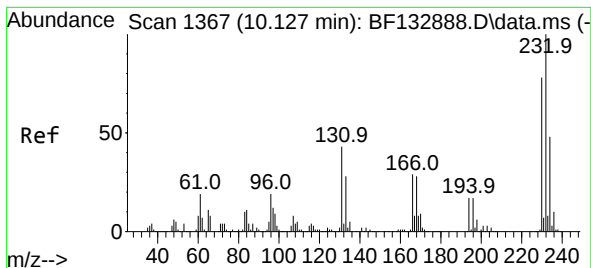
Ion Ratio Lower Upper

166 100

165 97.1 78.0 117.0

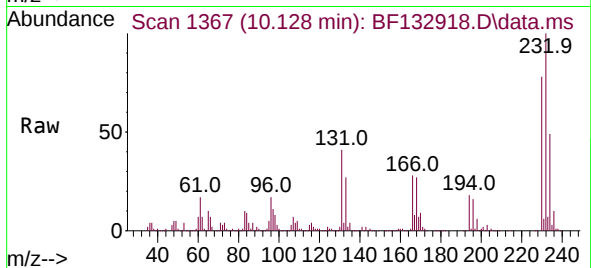
167 13.6 11.0 16.4





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 51.904 ng  
RT: 10.128 min Scan# 1367  
Delta R.T. 0.000 min  
Lab File: BF132918.D  
Acq: 19 Apr 2023 18:34

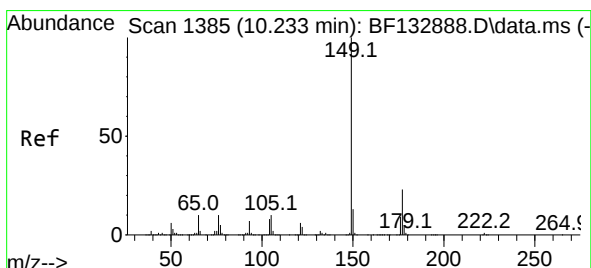
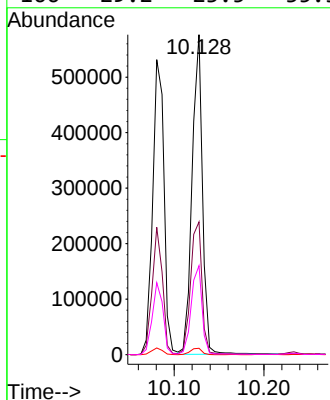
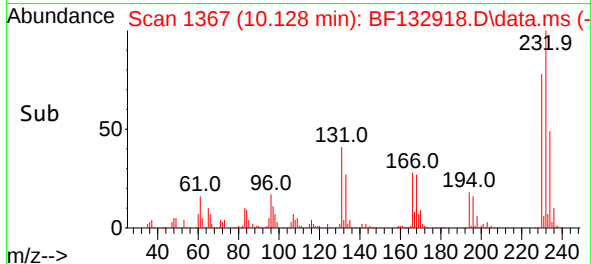
Instrument :  
BNA\_F  
ClientSampleId :  
SB-16-14-16-20230413MS



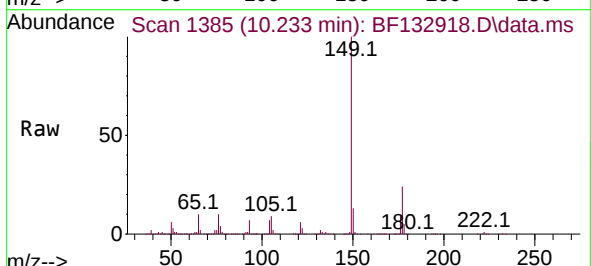
Tgt Ion:232 Resp: 462244  
Ion Ratio Lower Upper  
232 100  
131 45.2 35.9 53.9  
130 2.2 1.8 2.8  
166 29.2 23.5 35.3

Manual Integrations  
APPROVED

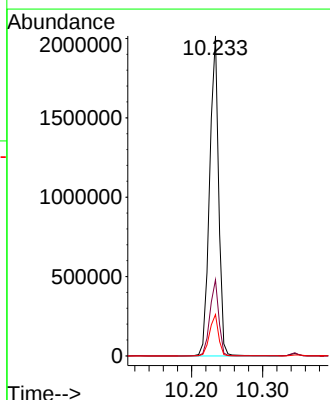
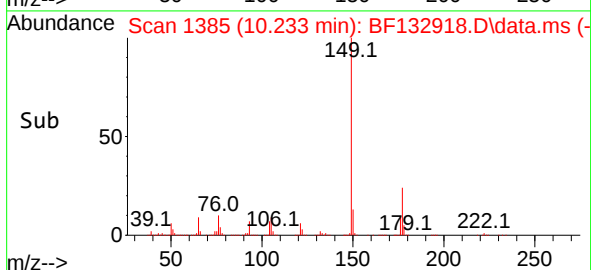
Reviewed By :Christian Giraldo 04/21/2023  
Supervised By :Jagrut Upadhyay 04/24/2023

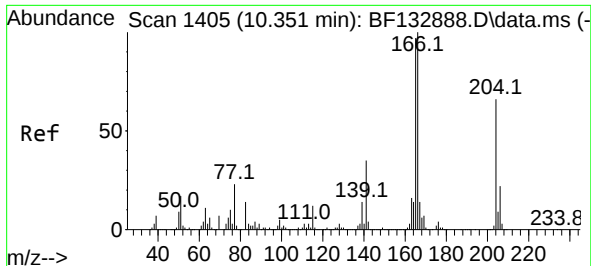


#60  
Diethylphthalate  
Concen: 50.006 ng  
RT: 10.233 min Scan# 1385  
Delta R.T. 0.000 min  
Lab File: BF132918.D  
Acq: 19 Apr 2023 18:34



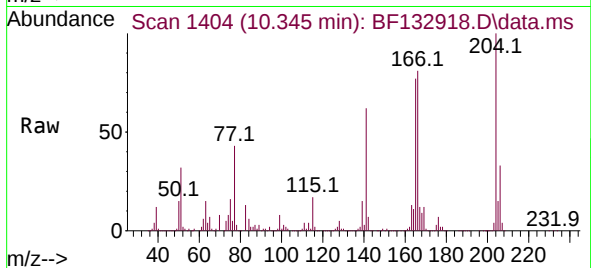
Tgt Ion:149 Resp: 1768144  
Ion Ratio Lower Upper  
149 100  
177 23.8 18.5 27.7  
150 12.9 10.3 15.5





#61  
4-Chlorophenyl-phenylether  
Concen: 45.637 ng  
RT: 10.345 min Scan# 1404  
Delta R.T. -0.006 min  
Lab File: BF132918.D  
Acq: 19 Apr 2023 18:34

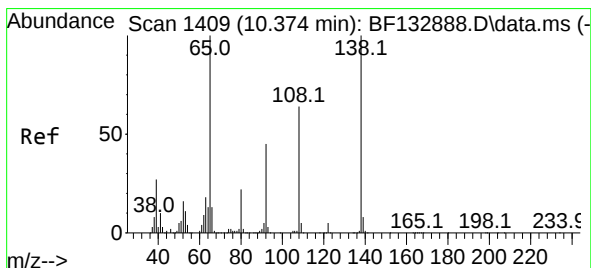
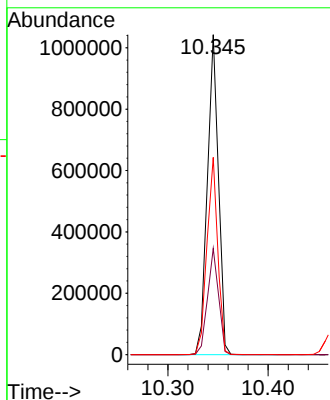
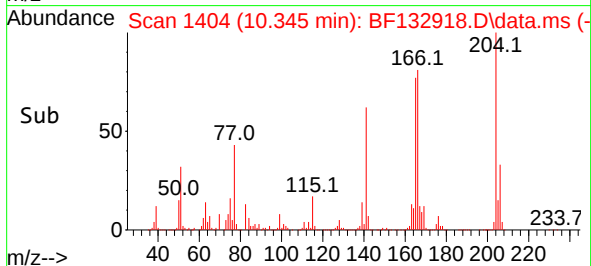
Instrument :  
BNA\_F  
ClientSampleId :  
SB-16-14-16-20230413MS



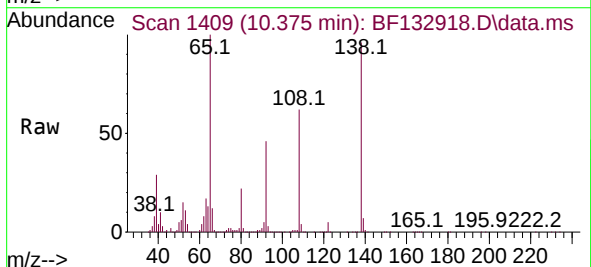
Tgt Ion:204 Resp: 796124  
Ion Ratio Lower Upper  
204 100  
206 33.2 26.6 40.0  
141 61.6 43.1 64.7

Manual Integrations  
APPROVED

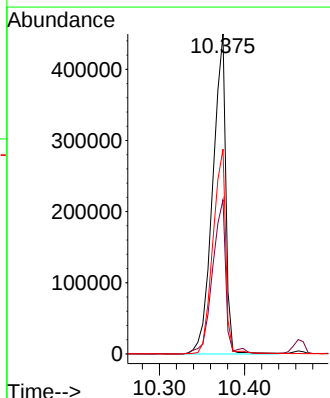
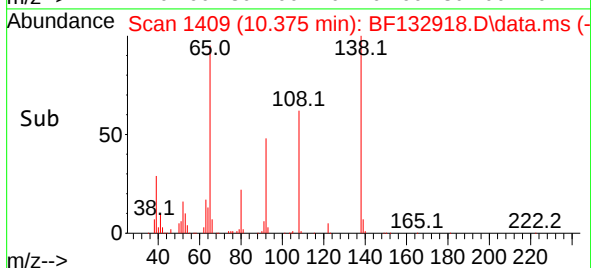
Reviewed By :Christian Giraldo 04/21/2023  
Supervised By :Jagrut Upadhyay 04/24/2023

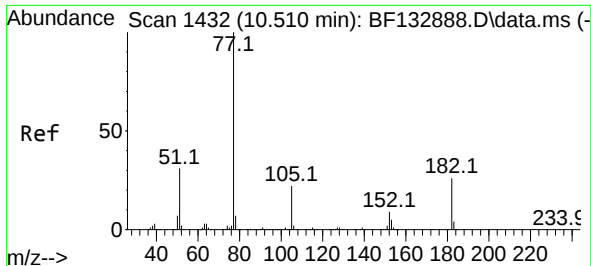


#62  
4-Nitroaniline  
Concen: 52.607 ng  
RT: 10.375 min Scan# 1409  
Delta R.T. 0.000 min  
Lab File: BF132918.D  
Acq: 19 Apr 2023 18:34



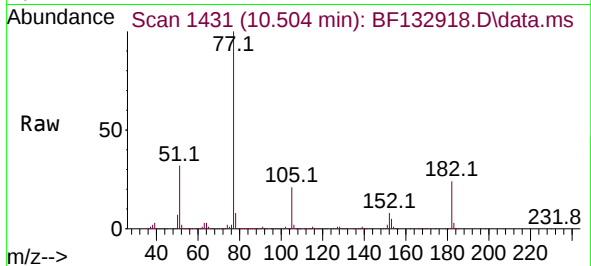
Tgt Ion:138 Resp: 477358  
Ion Ratio Lower Upper  
138 100  
92 48.2 25.0 65.0  
108 64.0 44.2 84.2





#63  
Azobenzene  
Concen: 49.589 ng  
RT: 10.504 min Scan# 1432  
Delta R.T. -0.006 min  
Lab File: BF132918.D  
Acq: 19 Apr 2023 18:34

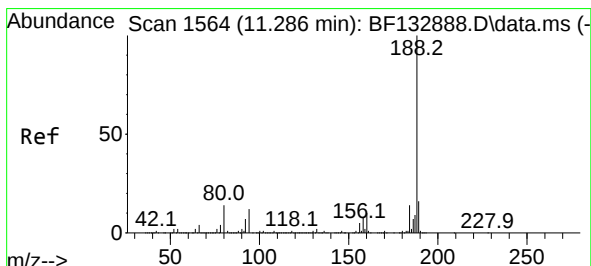
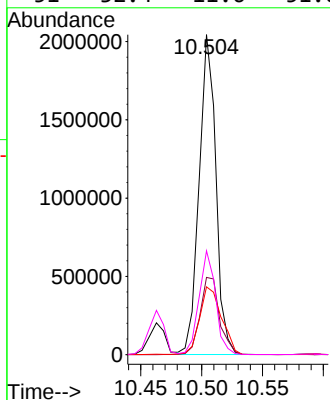
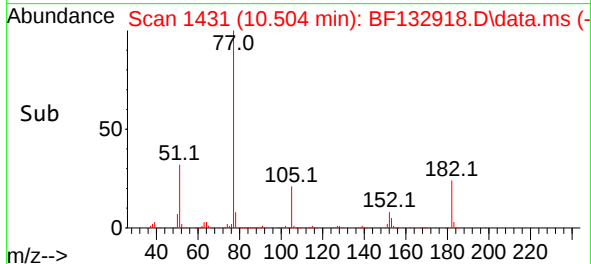
Instrument :  
BNA\_F  
ClientSampleId :  
SB-16-14-16-20230413MS



Tgt Ion: 77 Resp: 195862  
Ion Ratio Lower Upper  
77 100  
182 24.1 6.0 46.0  
105 21.2 1.6 41.6  
51 32.4 11.6 51.6

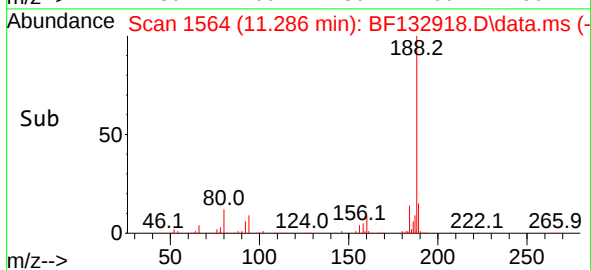
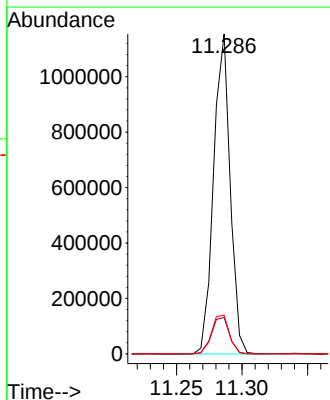
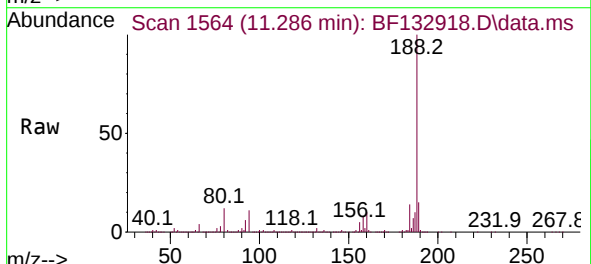
Manual Integrations  
APPROVED

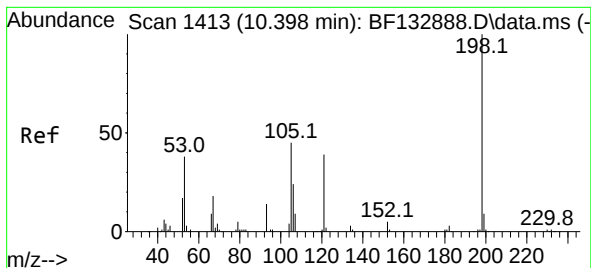
Reviewed By :Christian Giraldo 04/21/2023  
Supervised By :Jagrut Upadhyay 04/24/2023



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.286 min Scan# 1564  
Delta R.T. 0.000 min  
Lab File: BF132918.D  
Acq: 19 Apr 2023 18:34

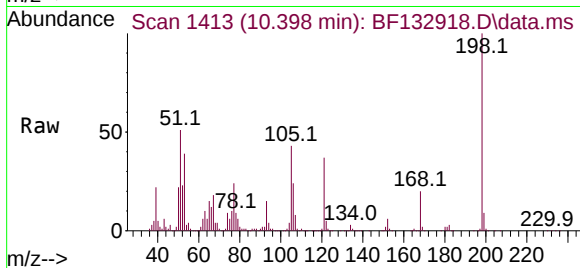
Tgt Ion:188 Resp: 1016951  
Ion Ratio Lower Upper  
188 100  
94 11.4 9.9 14.9  
80 12.1 10.8 16.2





#65  
4,6-Dinitro-2-methylphenol  
Concen: 62.354 ng  
RT: 10.398 min Scan# 1413  
Delta R.T. 0.000 min  
Lab File: BF132918.D  
Acq: 19 Apr 2023 18:34

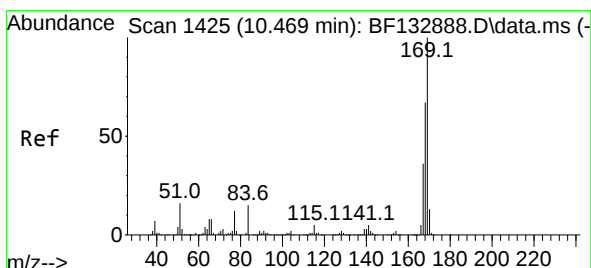
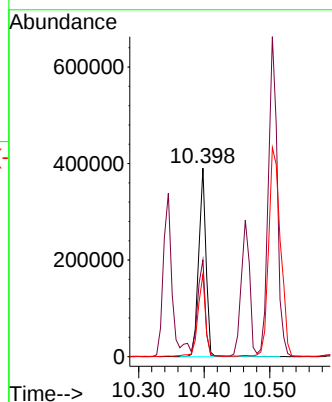
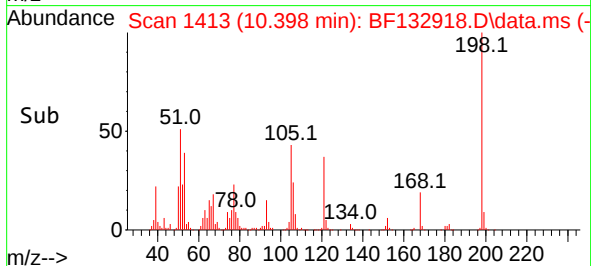
Instrument :  
BNA\_F  
ClientSampleId :  
SB-16-14-16-20230413MS



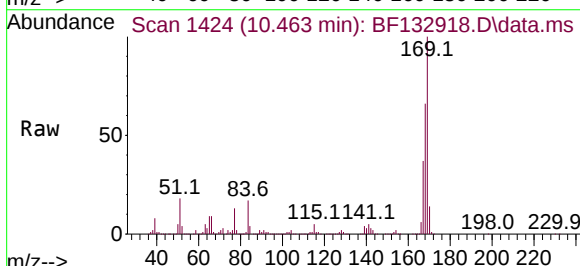
Tgt Ion:198 Resp: 303682  
Ion Ratio Lower Upper  
198 100  
51 51.3 34.6 74.6  
105 43.5 25.6 65.6

Manual Integrations  
APPROVED

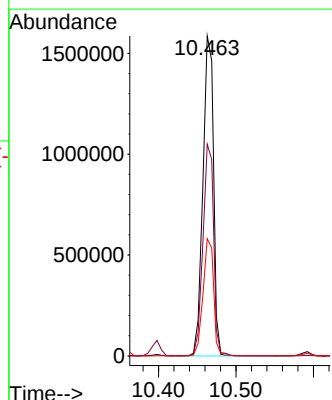
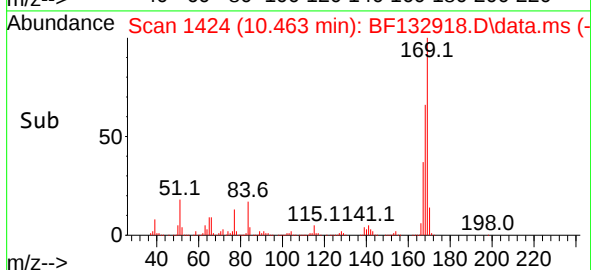
Reviewed By :Christian Giraldo 04/21/2023  
Supervised By :Jagrut Upadhyay 04/24/2023

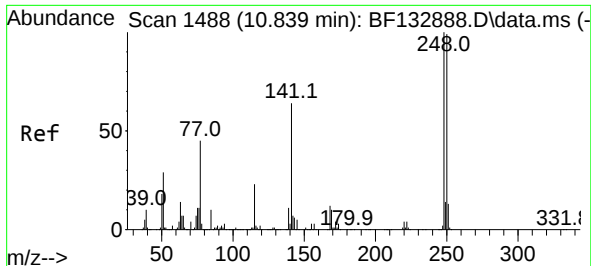


#66  
n-Nitrosodiphenylamine  
Concen: 45.395 ng  
RT: 10.463 min Scan# 1424  
Delta R.T. -0.006 min  
Lab File: BF132918.D  
Acq: 19 Apr 2023 18:34



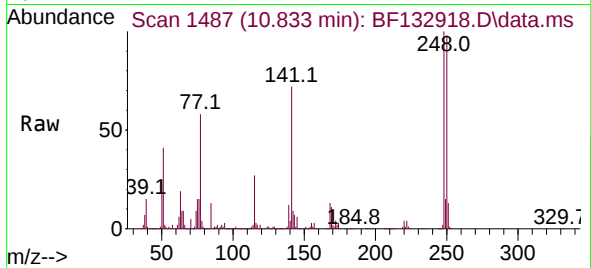
Tgt Ion:169 Resp: 1503511  
Ion Ratio Lower Upper  
169 100  
168 66.2 53.4 80.0  
167 36.6 29.0 43.6





#67  
4-Bromophenyl-phenylether  
Concen: 46.569 ng  
RT: 10.833 min Scan# 1487  
Delta R.T. -0.006 min  
Lab File: BF132918.D  
Acq: 19 Apr 2023 18:34

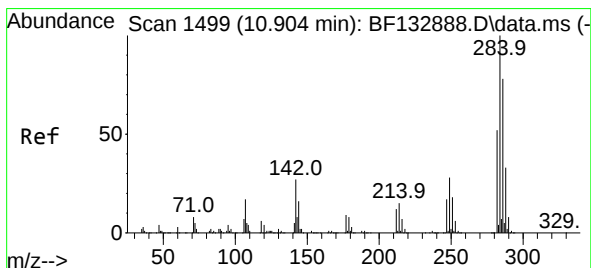
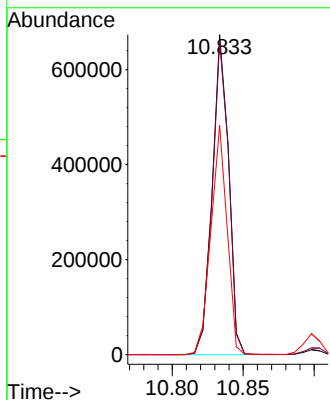
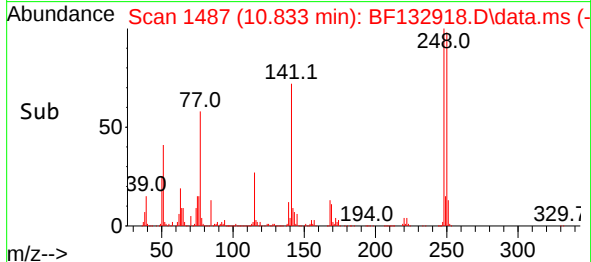
Instrument :  
BNA\_F  
ClientSampleId :  
SB-16-14-16-20230413MS



Tgt Ion:248 Resp: 540789  
Ion Ratio Lower Upper  
248 100  
250 98.0 79.1 118.7  
141 71.7 51.0 76.6

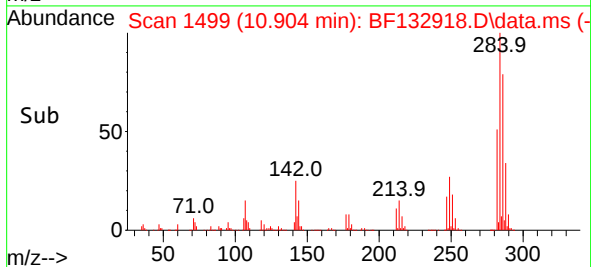
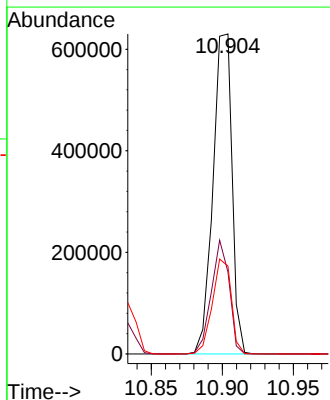
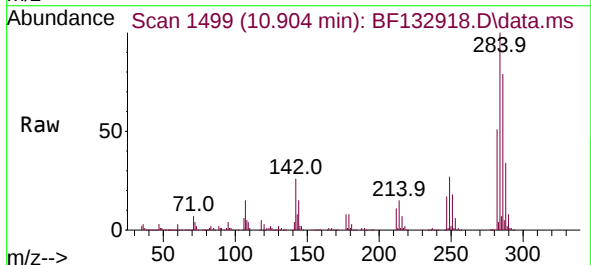
Manual Integrations  
APPROVED

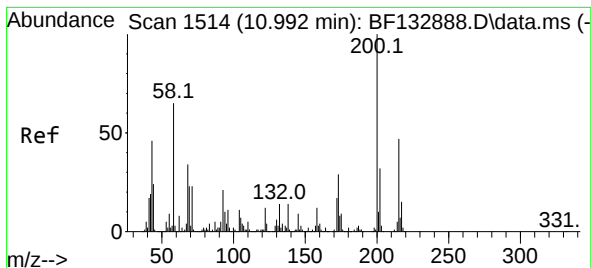
Reviewed By :Christian Giraldo 04/21/2023  
Supervised By :Jagrut Upadhyay 04/24/2023



#68  
Hexachlorobenzene  
Concen: 48.940 ng  
RT: 10.904 min Scan# 1499  
Delta R.T. -0.000 min  
Lab File: BF132918.D  
Acq: 19 Apr 2023 18:34

Tgt Ion:284 Resp: 589616  
Ion Ratio Lower Upper  
284 100  
142 25.6 22.0 33.0  
249 27.4 22.6 34.0





#69

Atrazine

Concen: 57.971 ng

RT: 10.992 min Scan# 1514

Delta R.T. 0.000 min

Lab File: BF132918.D

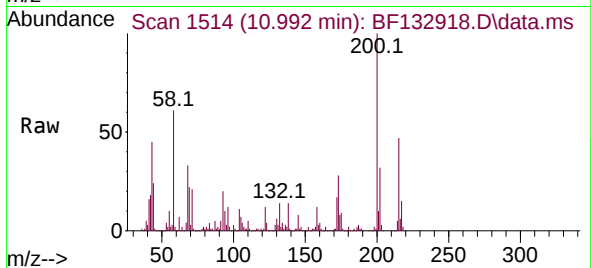
Acq: 19 Apr 2023 18:34

Instrument :

BNA\_F

ClientSampleId :

SB-16-14-16-20230413MS



Tgt Ion:200 Resp: 536662

Ion Ratio Lower Upper

200 100

173 28.0 8.7 48.7

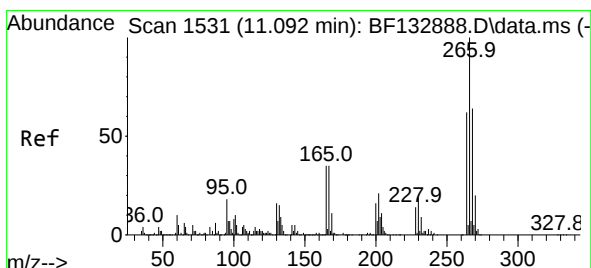
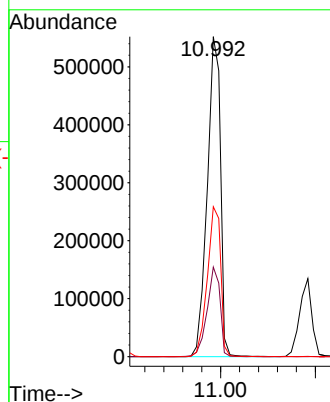
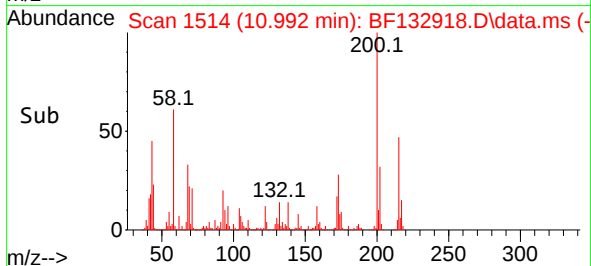
215 46.8 27.2 67.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/21/2023

Supervised By :Jagrut Upadhyay 04/24/2023



#70

Pentachlorophenol

Concen: 93.514 ng

RT: 11.092 min Scan# 1531

Delta R.T. 0.000 min

Lab File: BF132918.D

Acq: 19 Apr 2023 18:34

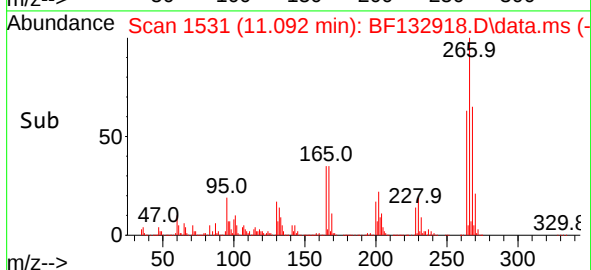
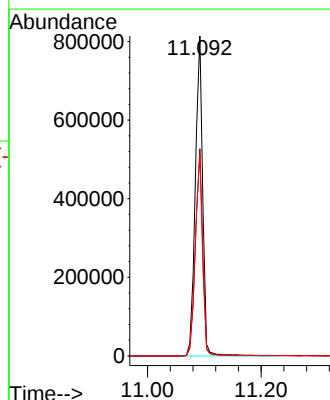
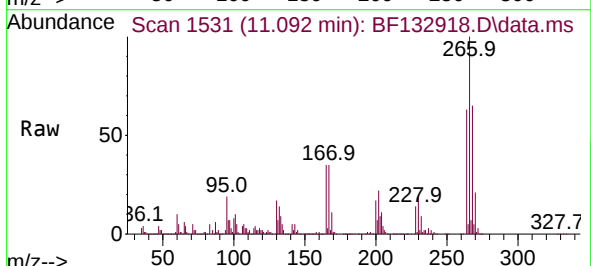
Tgt Ion:266 Resp: 727009

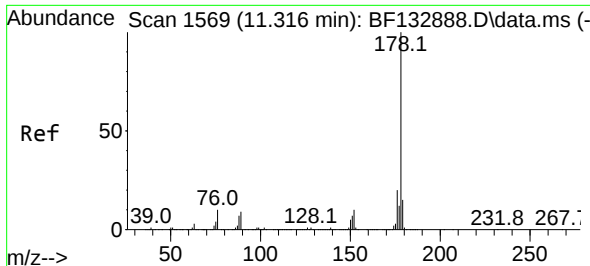
Ion Ratio Lower Upper

266 100

268 64.7 50.9 76.3

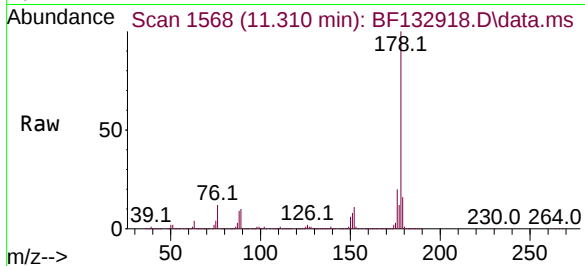
264 63.0 49.8 74.6





#71  
Phenanthrene  
Concen: 45.738 ng  
RT: 11.310 min Scan# 1568  
Delta R.T. -0.006 min  
Lab File: BF132918.D  
Acq: 19 Apr 2023 18:34

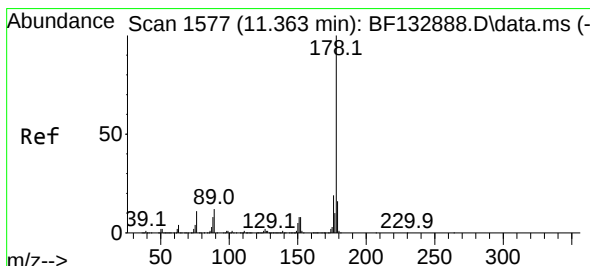
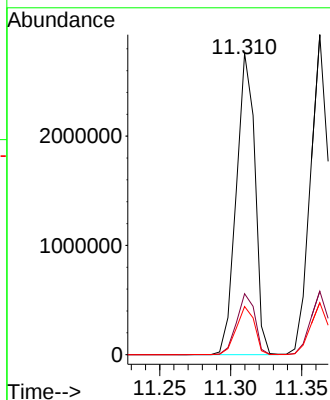
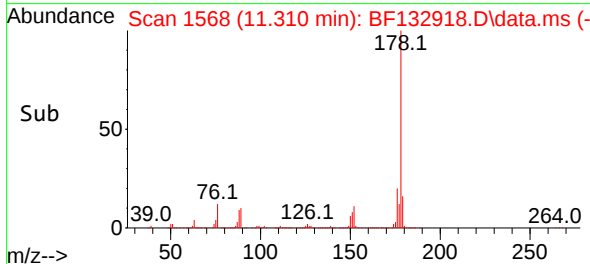
Instrument :  
BNA\_F  
ClientSampleId :  
SB-16-14-16-20230413MS



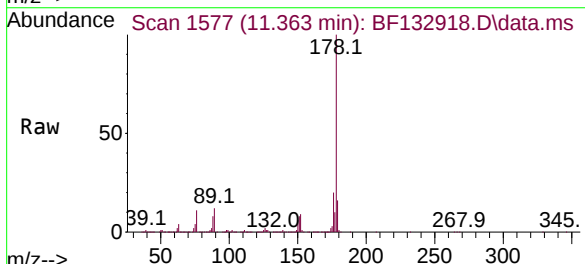
Tgt Ion:178 Resp: 2501933  
Ion Ratio Lower Upper  
178 100  
176 20.2 15.9 23.9  
179 16.0 12.3 18.5

Manual Integrations  
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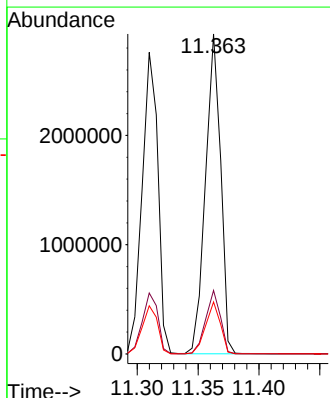
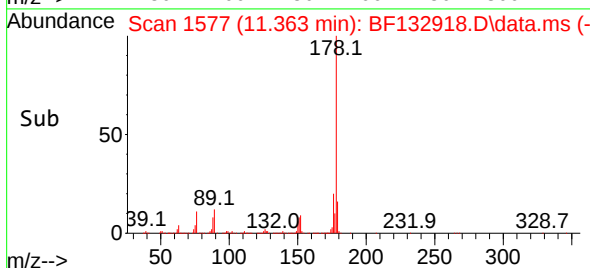
Reviewed By :Christian Giraldo 04/21/2023  
Supervised By :Jagrut Upadhyay 04/24/2023

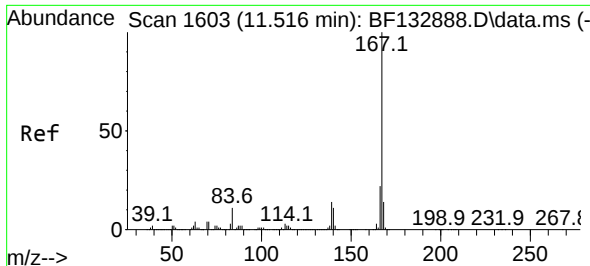


#72  
Anthracene  
Concen: 45.339 ng  
RT: 11.363 min Scan# 1577  
Delta R.T. 0.000 min  
Lab File: BF132918.D  
Acq: 19 Apr 2023 18:34



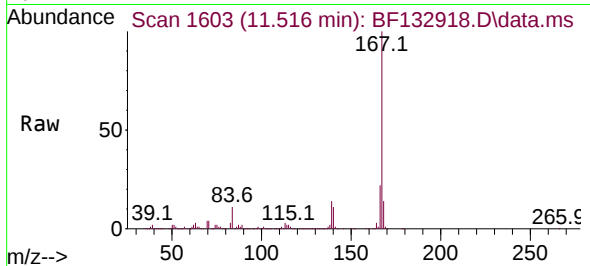
Tgt Ion:178 Resp: 2538810  
Ion Ratio Lower Upper  
178 100  
176 19.8 15.5 23.3  
179 16.2 12.8 19.2





#73  
 Carbazole  
 Concen: 47.153 ng  
 RT: 11.516 min Scan# 1603  
 Delta R.T. 0.000 min  
 Lab File: BF132918.D  
 Acq: 19 Apr 2023 18:34

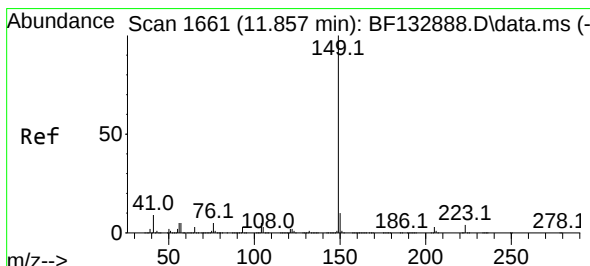
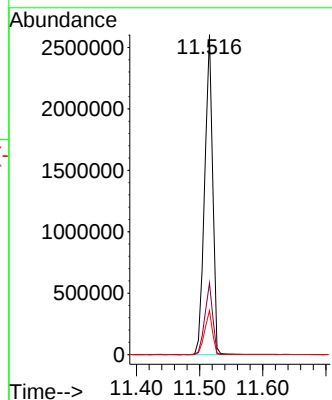
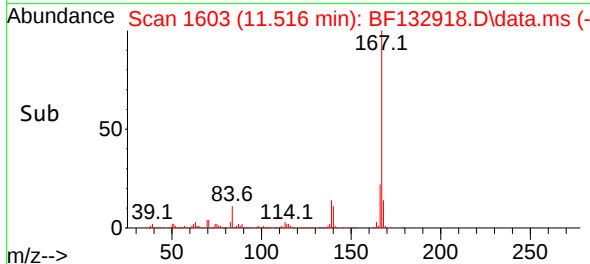
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-16-14-16-20230413MS



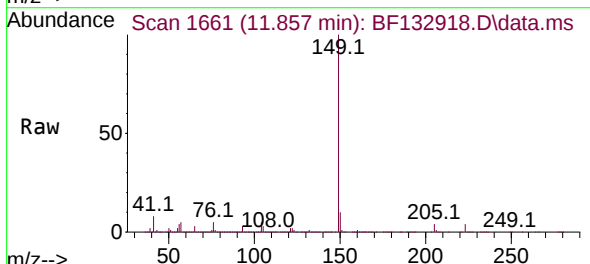
Tgt Ion:167 Resp: 2284627  
 Ion Ratio Lower Upper  
 167 100  
 166 22.4 17.4 26.2  
 139 13.7 11.0 16.4

Manual Integrations  
 APPROVED

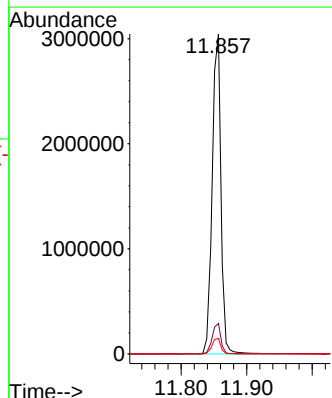
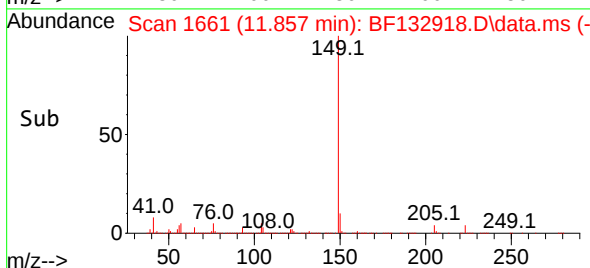
Reviewed By :Christian Giraldo 04/21/2023  
 Supervised By :Jagrut Upadhyay 04/24/2023

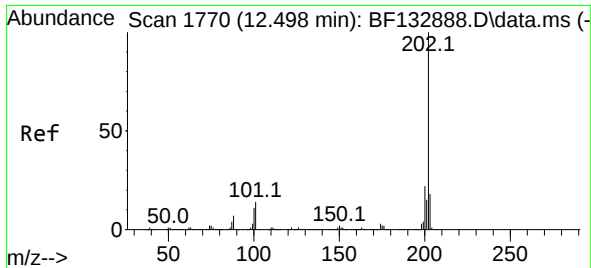


#74  
 Di-n-butylphthalate  
 Concen: 54.330 ng  
 RT: 11.857 min Scan# 1661  
 Delta R.T. 0.000 min  
 Lab File: BF132918.D  
 Acq: 19 Apr 2023 18:34



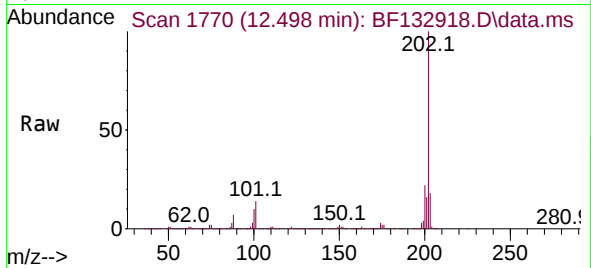
Tgt Ion:149 Resp: 2821915  
 Ion Ratio Lower Upper  
 149 100  
 150 9.5 7.8 11.6  
 104 4.8 4.2 6.2





#75  
Fluoranthene  
Concen: 46.719 ng  
RT: 12.498 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF132918.D  
Acq: 19 Apr 2023 18:34

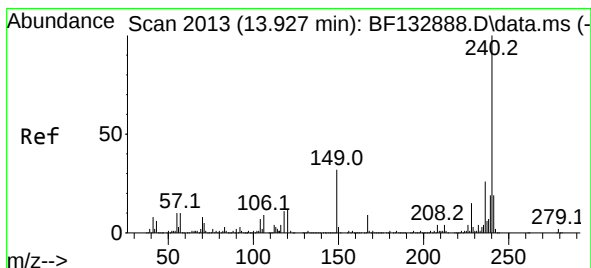
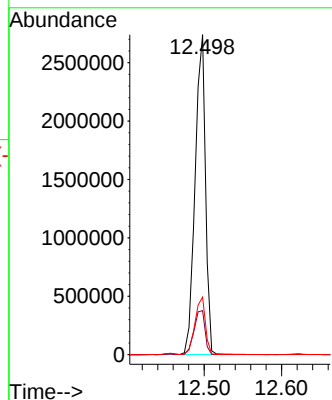
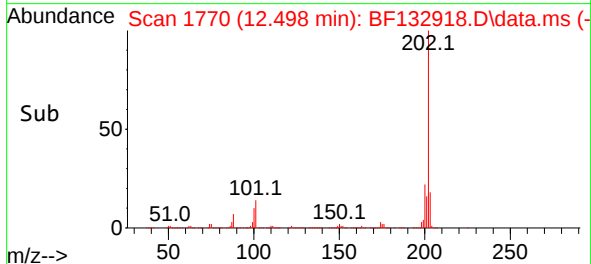
Instrument :  
BNA\_F  
ClientSampleId :  
SB-16-14-16-20230413MS



Tgt Ion:202 Resp: 2541389  
Ion Ratio Lower Upper  
202 100  
101 13.7 0.0 34.5  
203 18.0 0.0 38.2

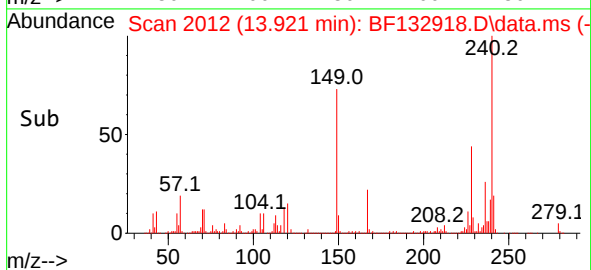
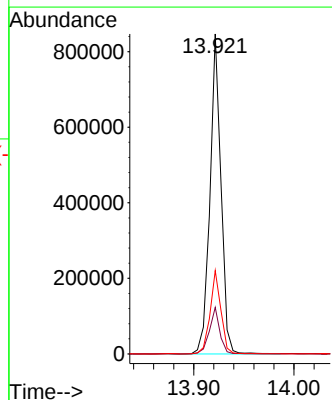
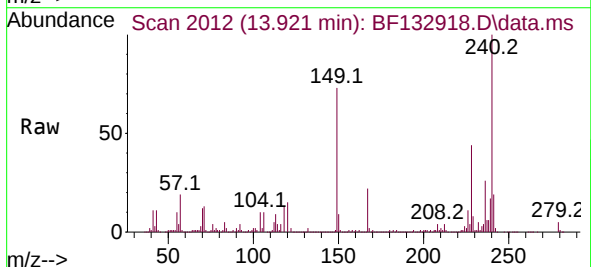
Manual Integrations  
APPROVED

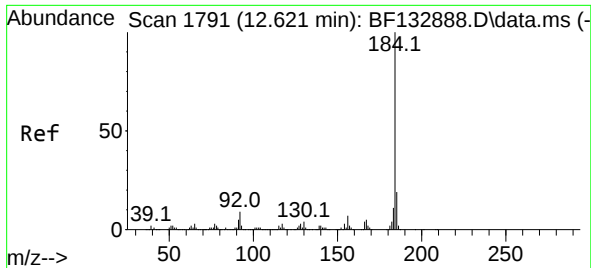
Reviewed By :Christian Giraldo 04/21/2023  
Supervised By :Jagrut Upadhyay 04/24/2023



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.921 min Scan# 2012  
Delta R.T. -0.006 min  
Lab File: BF132918.D  
Acq: 19 Apr 2023 18:34

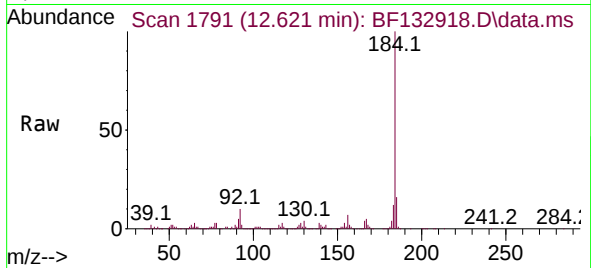
Tgt Ion:240 Resp: 642320  
Ion Ratio Lower Upper  
240 100  
120 14.5 10.0 15.0  
236 26.0 20.8 31.2





#77  
Benzidine  
Concen: 94.826 ng  
RT: 12.621 min Scan# 1791  
Delta R.T. 0.000 min  
Lab File: BF132918.D  
Acq: 19 Apr 2023 18:34

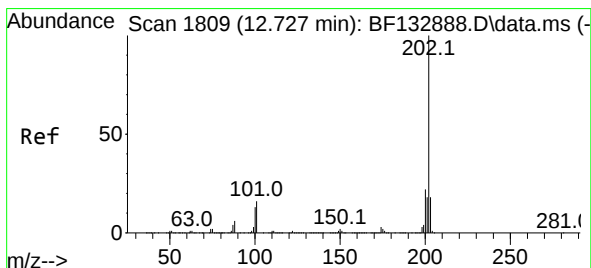
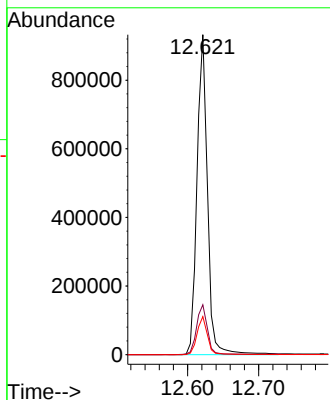
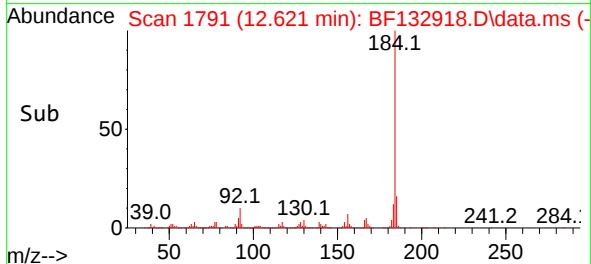
Instrument :  
BNA\_F  
ClientSampleId :  
SB-16-14-16-20230413MS



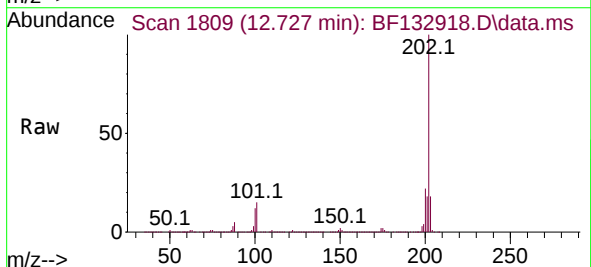
Tgt Ion:184 Resp: 948810  
Ion Ratio Lower Upper  
184 100  
185 15.6 14.9 22.3  
183 11.9 9.0 13.6

Manual Integrations  
APPROVED

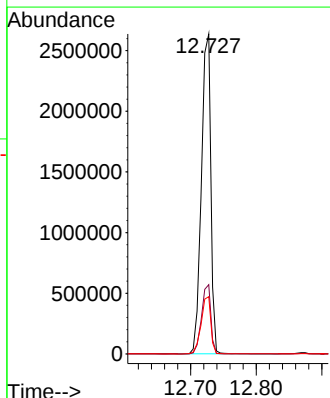
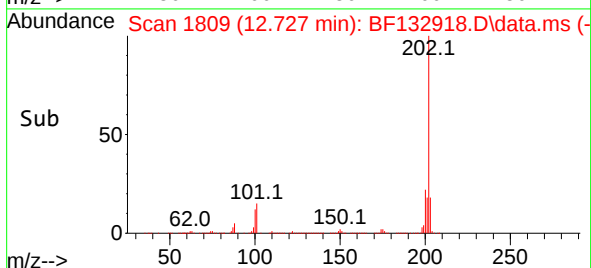
Reviewed By :Christian Giraldo 04/21/2023  
Supervised By :Jagrut Upadhyay 04/24/2023

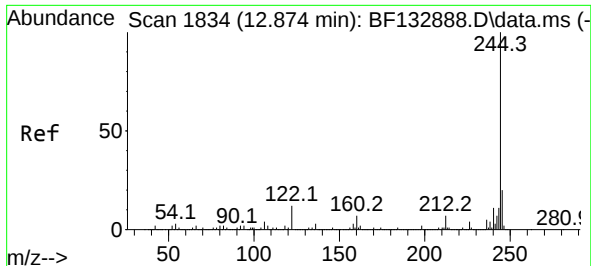


#78  
Pyrene  
Concen: 49.681 ng  
RT: 12.727 min Scan# 1809  
Delta R.T. 0.000 min  
Lab File: BF132918.D  
Acq: 19 Apr 2023 18:34



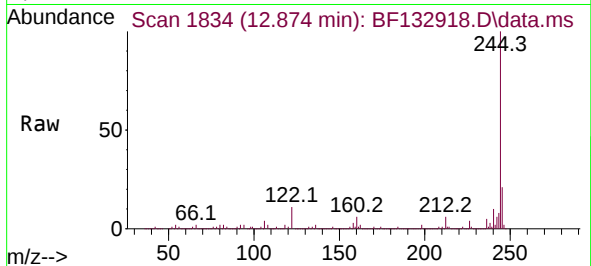
Tgt Ion:202 Resp: 2609317  
Ion Ratio Lower Upper  
202 100  
200 21.6 17.6 26.4  
203 17.9 14.6 22.0





#79  
 Terphenyl-d14  
 Concen: 82.534 ng  
 RT: 12.874 min Scan# 1834  
 Delta R.T. 0.000 min  
 Lab File: BF132918.D  
 Acq: 19 Apr 2023 18:34

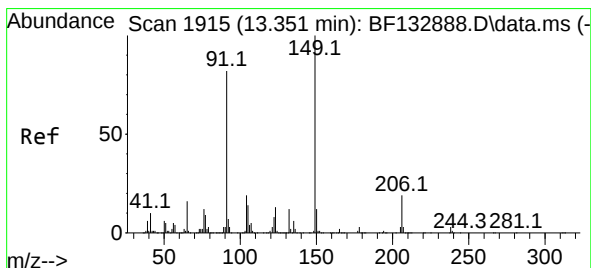
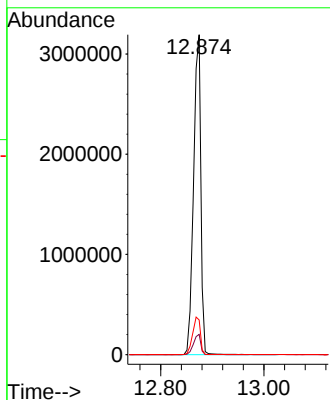
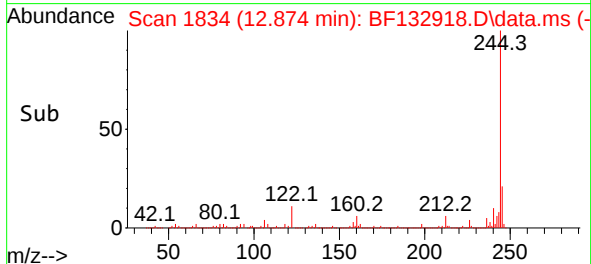
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-16-14-16-20230413MS



Tgt Ion:244 Resp: 3107306  
 Ion Ratio Lower Upper  
 244 100  
 212 6.3 5.4 8.0  
 122 10.8 9.6 14.4

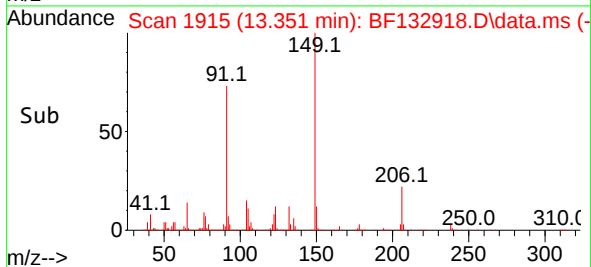
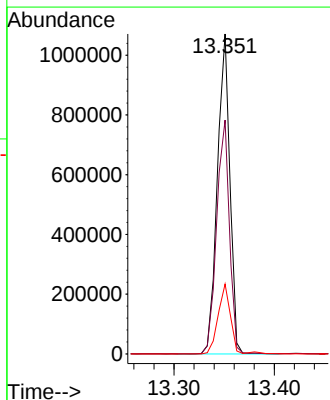
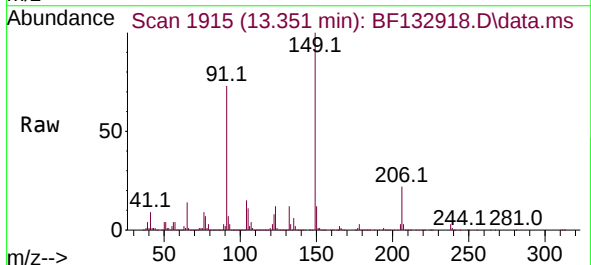
Manual Integrations  
 APPROVED

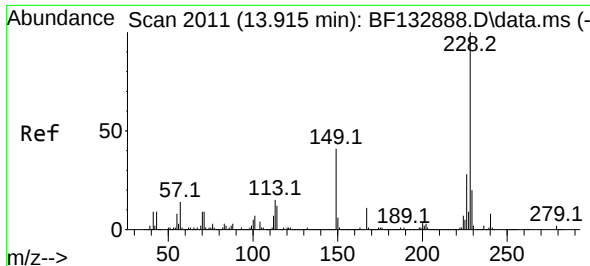
Reviewed By :Christian Giraldo 04/21/2023  
 Supervised By :Jagrut Upadhyay 04/24/2023



#80  
 Butylbenzylphthalate  
 Concen: 70.505 ng  
 RT: 13.351 min Scan# 1915  
 Delta R.T. -0.000 min  
 Lab File: BF132918.D  
 Acq: 19 Apr 2023 18:34

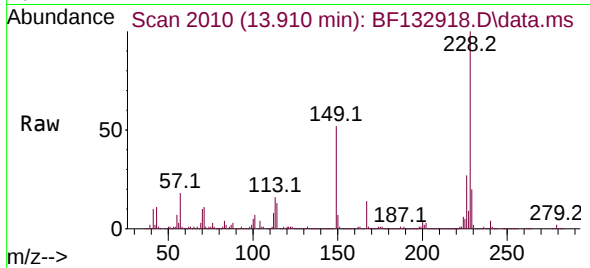
Tgt Ion:149 Resp: 927780  
 Ion Ratio Lower Upper  
 149 100  
 91 73.1 65.4 98.0  
 206 21.8 15.6 23.4





#81  
Benzo(a)anthracene  
Concen: 48.359 ng  
RT: 13.910 min Scan# 2011  
Delta R.T. -0.006 min  
Lab File: BF132918.D  
Acq: 19 Apr 2023 18:34

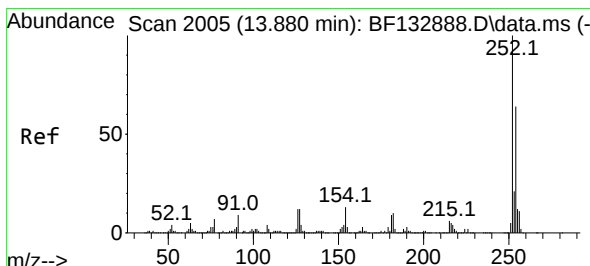
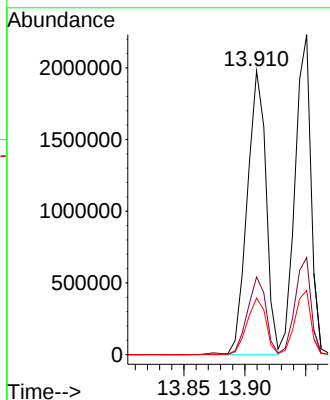
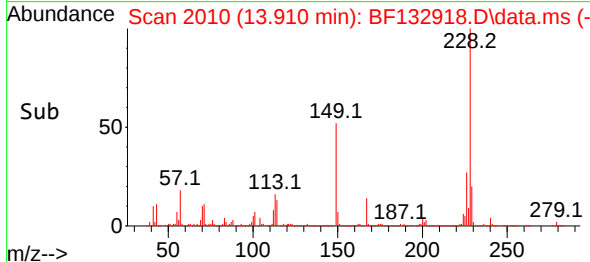
Instrument :  
BNA\_F  
ClientSampleId :  
SB-16-14-16-20230413MS



Tgt Ion:228 Resp: 2112462  
Ion Ratio Lower Upper  
228 100  
226 27.4 22.4 33.6  
229 19.9 16.2 24.2

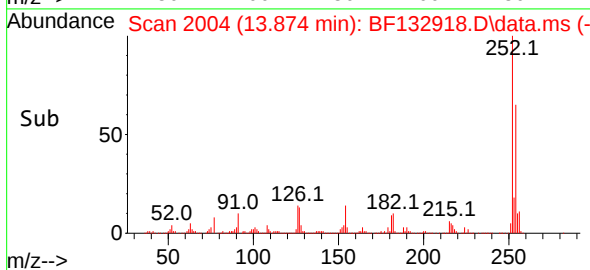
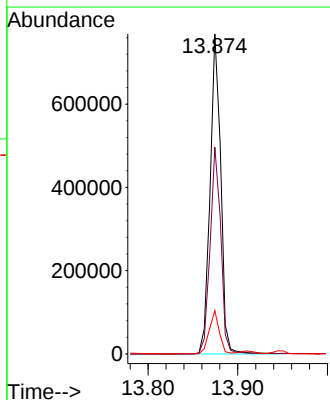
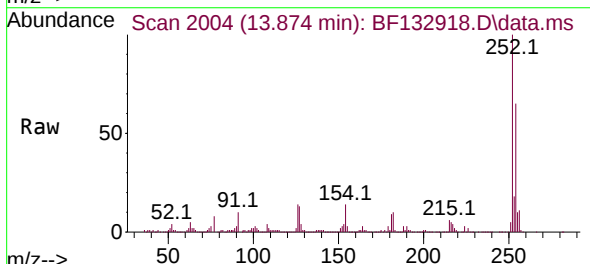
Manual Integrations  
APPROVED

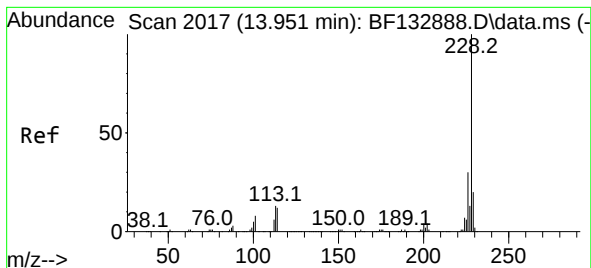
Reviewed By :Christian Giraldo 04/21/2023  
Supervised By :Jagrut Upadhyay 04/24/2023



#82  
3,3'-Dichlorobenzidine  
Concen: 60.129 ng  
RT: 13.874 min Scan# 2004  
Delta R.T. -0.006 min  
Lab File: BF132918.D  
Acq: 19 Apr 2023 18:34

Tgt Ion:252 Resp: 635360  
Ion Ratio Lower Upper  
252 100  
254 64.6 51.0 76.6  
126 13.6 9.8 14.6





#83

Chrysene

Concen: 47.088 ng

RT: 13.951 min Scan# 2017

Delta R.T. 0.000 min

Lab File: BF132918.D

Acq: 19 Apr 2023 18:34

Instrument :

BNA\_F

ClientSampleId :

SB-16-14-16-20230413MS

Tgt Ion:228 Resp: 2044460

Ion Ratio Lower Upper

228 100

226 30.3 24.3 36.5

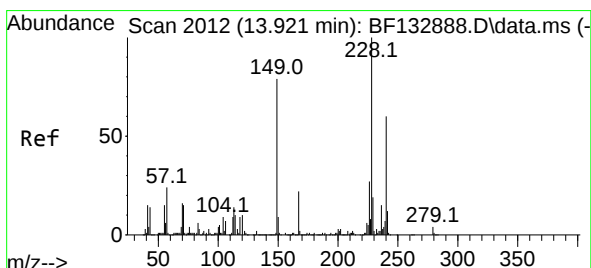
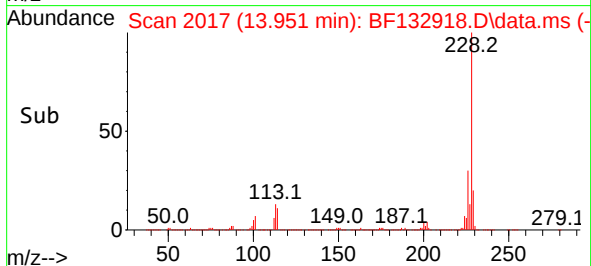
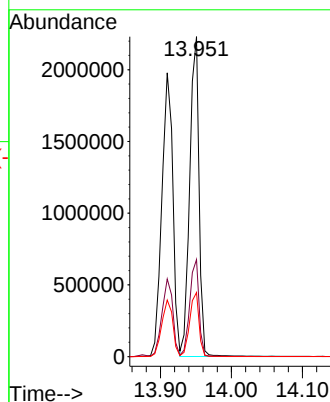
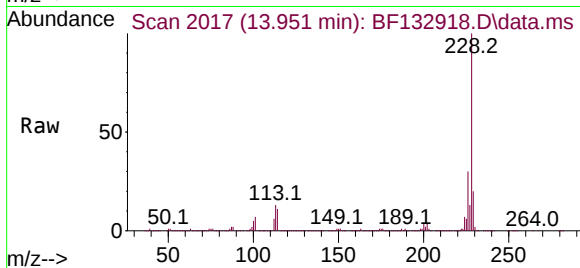
229 20.0 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/21/2023

Supervised By :Jagrut Upadhyay 04/24/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 79.725 ng

RT: 13.916 min Scan# 2011

Delta R.T. -0.005 min

Lab File: BF132918.D

Acq: 19 Apr 2023 18:34

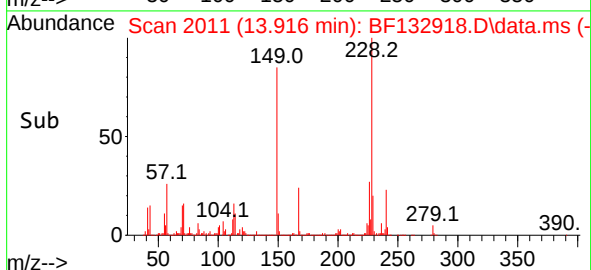
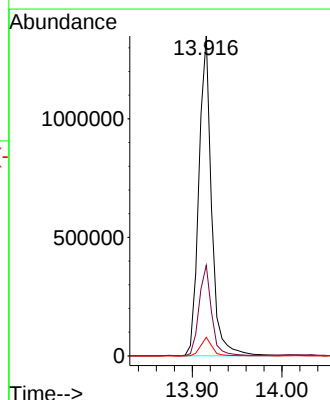
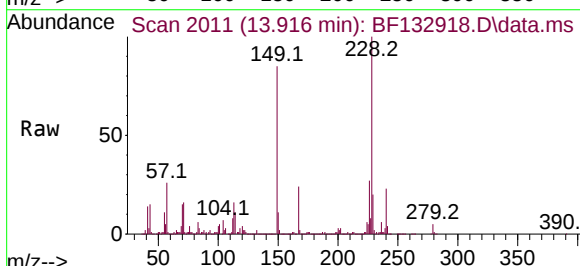
Tgt Ion:149 Resp: 1324531

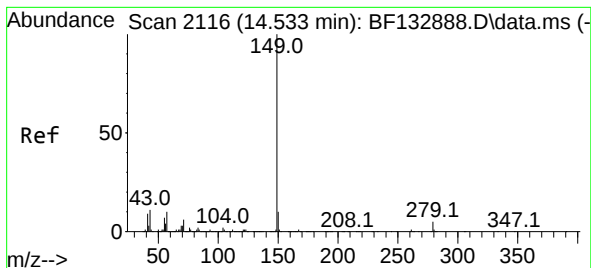
Ion Ratio Lower Upper

149 100

167 28.3 22.2 33.4

279 5.8 4.2 6.2





#85

Di-n-octyl phthalate

Concen: 65.829 ng

RT: 14.527 min Scan# 2116

Delta R.T. -0.006 min

Lab File: BF132918.D

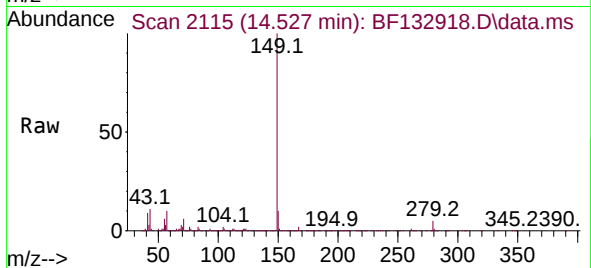
Acq: 19 Apr 2023 18:34

Instrument :

BNA\_F

ClientSampleId :

SB-16-14-16-20230413MS



Tgt Ion:149 Resp: 2475873

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

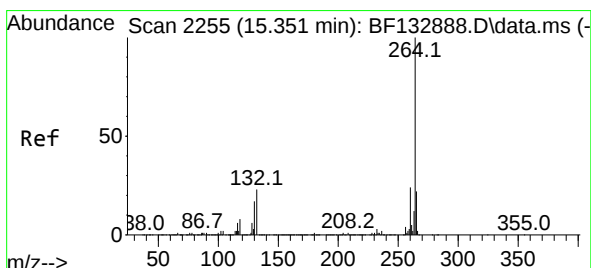
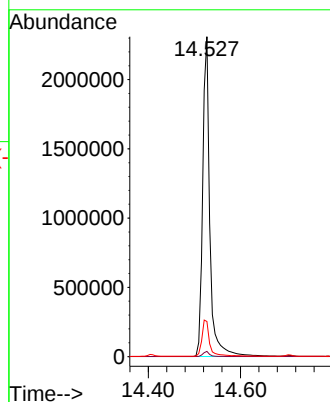
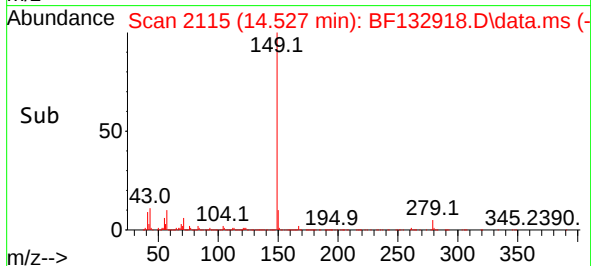
43 12.2 11.5 17.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/21/2023

Supervised By :Jagrut Upadhyay 04/24/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.345 min Scan# 2254

Delta R.T. -0.006 min

Lab File: BF132918.D

Acq: 19 Apr 2023 18:34

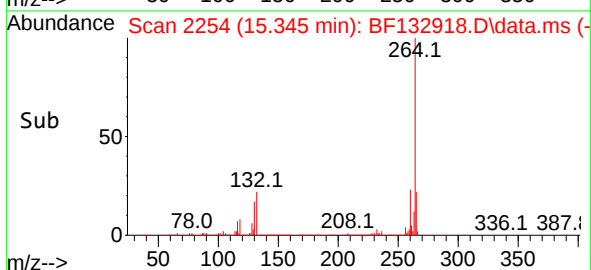
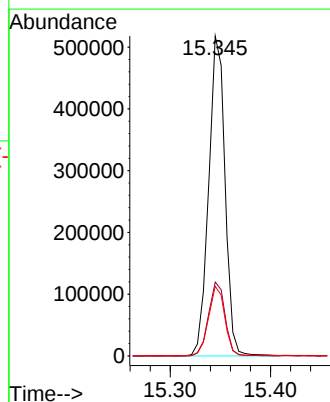
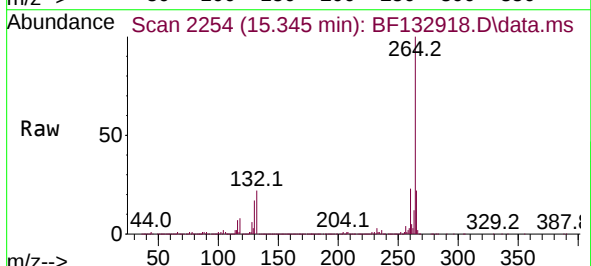
Tgt Ion:264 Resp: 586284

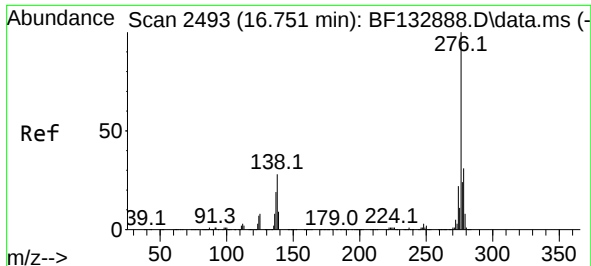
Ion Ratio Lower Upper

264 100

260 23.1 19.0 28.6

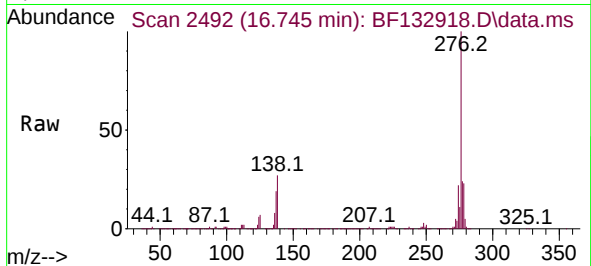
265 21.8 17.7 26.5





#87  
Indeno(1,2,3-cd)pyrene  
Concen: 58.653 ng  
RT: 16.745 min Scan# 2492  
Delta R.T. -0.006 min  
Lab File: BF132918.D  
Acq: 19 Apr 2023 18:34

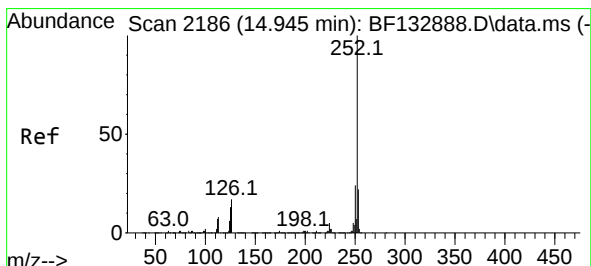
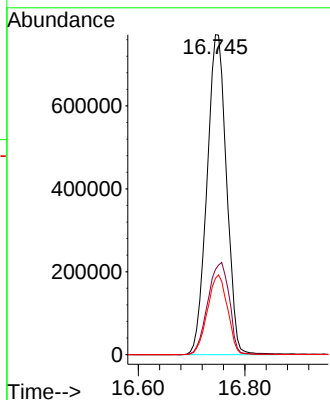
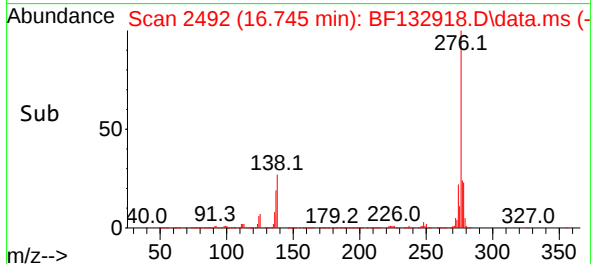
Instrument :  
BNA\_F  
ClientSampleId :  
SB-16-14-16-20230413MS



Tgt Ion:276 Resp: 1964922  
Ion Ratio Lower Upper  
276 100  
138 31.7 25.5 38.3  
277 25.5 20.3 30.5

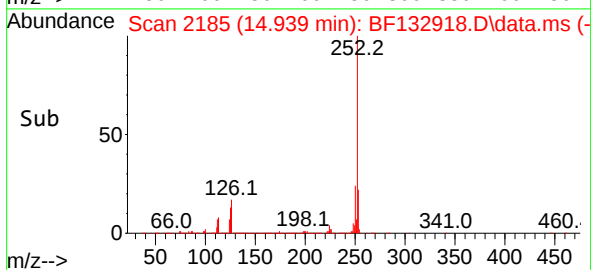
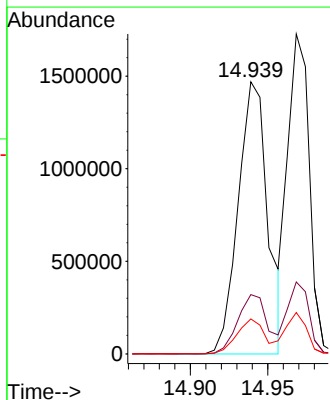
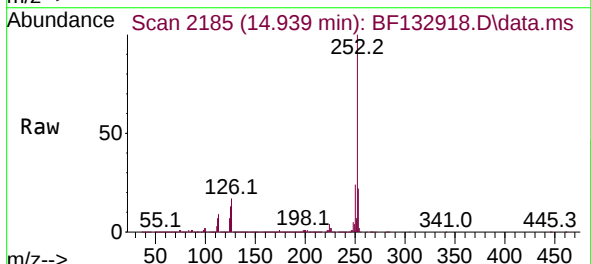
Manual Integrations  
APPROVED

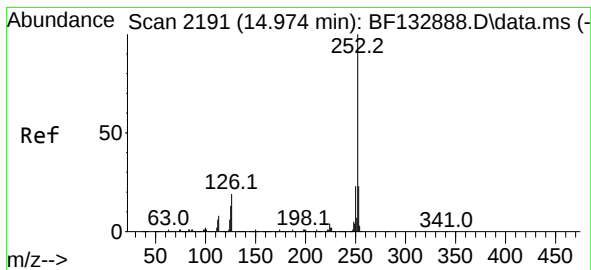
Reviewed By :Christian Giraldo 04/21/2023  
Supervised By :Jagrut Upadhyay 04/24/2023



#88  
Benzo(b)fluoranthene  
Concen: 53.756 ng  
RT: 14.939 min Scan# 2185  
Delta R.T. -0.006 min  
Lab File: BF132918.D  
Acq: 19 Apr 2023 18:34

Tgt Ion:252 Resp: 1963178  
Ion Ratio Lower Upper  
252 100  
253 21.8 17.9 26.9  
125 12.8 10.0 15.0





#89

Benzo(k)fluoranthene

Concen: 46.485 ng

RT: 14.968 min Scan# 2191

Delta R.T. -0.006 min

Lab File: BF132918.D

Acq: 19 Apr 2023 18:34

Instrument :

BNA\_F

ClientSampleId :

SB-16-14-16-20230413MS

Tgt Ion:252 Resp: 1691089

Ion Ratio Lower Upper

252 100

253 22.5 18.0 27.0

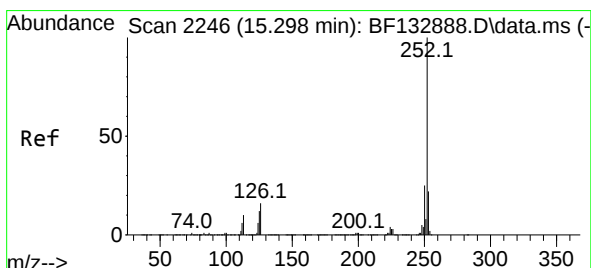
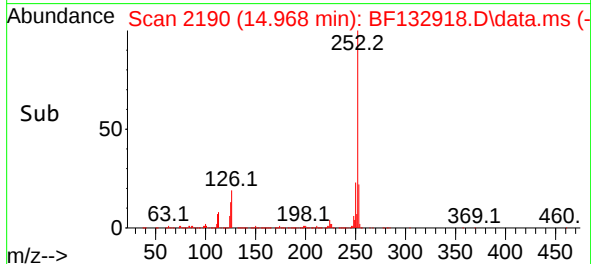
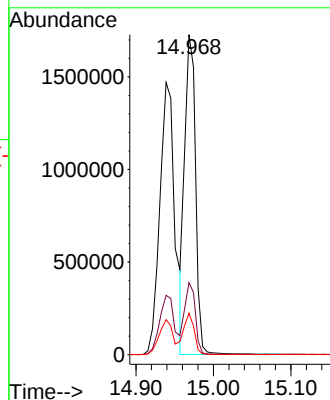
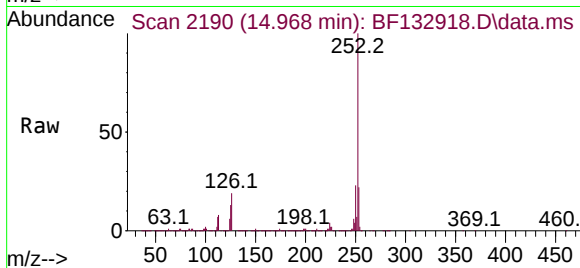
125 12.9 10.0 15.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/21/2023

Supervised By :Jagrut Upadhyay 04/24/2023



#90

Benzo(a)pyrene

Concen: 46.430 ng

RT: 15.292 min Scan# 2245

Delta R.T. -0.006 min

Lab File: BF132918.D

Acq: 19 Apr 2023 18:34

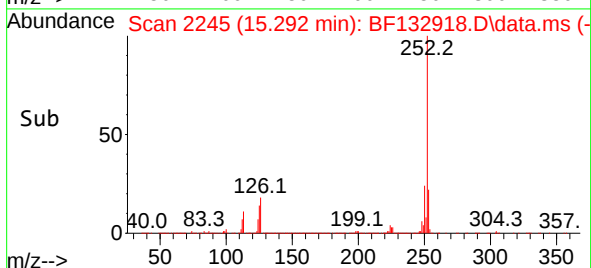
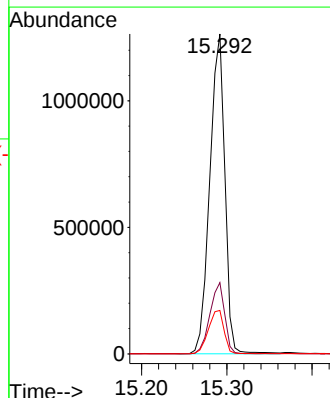
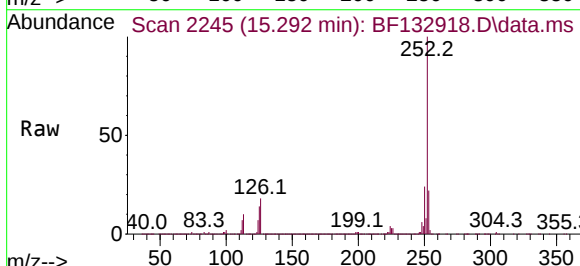
Tgt Ion:252 Resp: 1549090

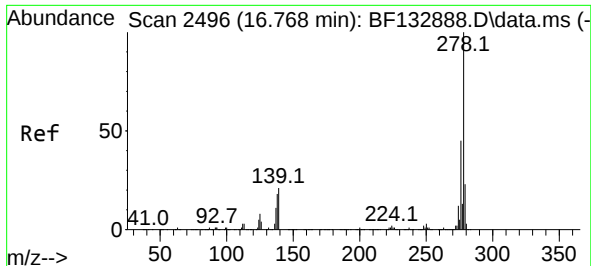
Ion Ratio Lower Upper

252 100

253 22.3 17.7 26.5

125 13.6 9.9 14.9





#91

Dibenzo(a,h)anthracene

Concen: 57.748 ng

RT: 16.768 min Scan# 2496

Delta R.T. 0.000 min

Lab File: BF132918.D

Acq: 19 Apr 2023 18:34

Instrument :

BNA\_F

ClientSampleId :

SB-16-14-16-20230413MS

Tgt Ion:278 Resp: 164838

Ion Ratio Lower Upper

278 100

139 19.5 16.7 25.1

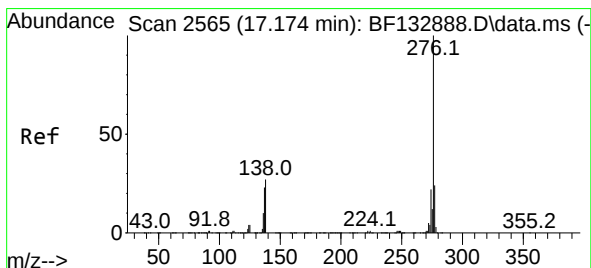
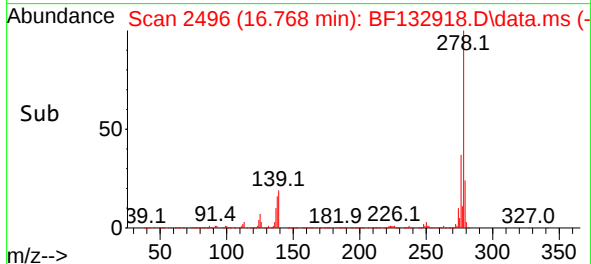
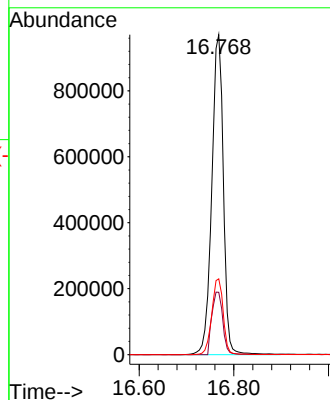
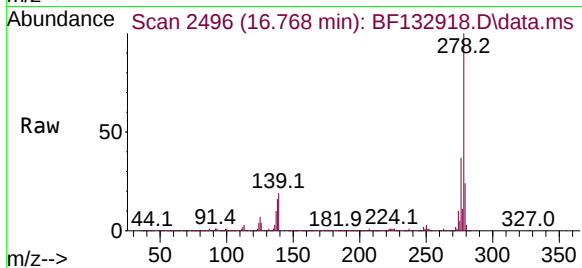
279 23.7 18.4 27.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/21/2023

Supervised By :Jagrut Upadhyay 04/24/2023



#92

Benzo(g,h,i)perylene

Concen: 58.757 ng

RT: 17.168 min Scan# 2564

Delta R.T. -0.006 min

Lab File: BF132918.D

Acq: 19 Apr 2023 18:34

Tgt Ion:276 Resp: 1605849

Ion Ratio Lower Upper

276 100

277 23.4 18.9 28.3

138 28.4 21.7 32.5

