

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030723\  
 Data File : BF132685.D  
 Acq On : 07 Mar 2023 19:06  
 Operator : CG\JU  
 Sample : 01825-01MSD  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HH-TP1-0306MSD

Quant Time: Mar 08 04:42:23 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022223.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 07 13:42:31 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : Christian Giraldo 03/08/2023  
 Supervised By : Jagrut Upadhyay 03/08/2023

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.987  | 152  | 184855   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.275  | 136  | 681150   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 10.039 | 164  | 359553   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.533 | 188  | 687724   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.192 | 240  | 351915   | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 15.733 | 264  | 389873   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.622  | 112  | 1151321  | 101.082 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.622  | 99   | 1487151  | 100.045 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.557  | 82   | 960175   | 66.879  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.833 | 330  | 391429   | 100.805 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.351  | 172  | 1430823  | 60.594  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.121 | 244  | 1488036  | 71.491  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.910  | 88   | 228917   | 36.334  | ng    | 96       |
| 3) Pyridine                   | 3.675  | 79   | 613973   | 36.712  | ng    | 96       |
| 4) n-Nitrosodimethylamine     | 3.640  | 42   | 249104   | 39.434  | ng    | 85       |
| 6) Aniline                    | 6.651  | 93   | 641698   | 32.078  | ng    | 96       |
| 8) 2-Chlorophenol             | 6.775  | 128  | 558886   | 47.278  | ng    | 97       |
| 9) Benzaldehyde               | 6.539  | 77   | 272452   | 33.967  | ng    | 100      |
| 10) Phenol                    | 6.634  | 94   | 727040   | 42.661  | ng    | 95       |
| 11) bis(2-Chloroethyl)ether   | 6.722  | 93   | 583203   | 44.329  | ng    | 95       |
| 12) 1,3-Dichlorobenzene       | 6.928  | 146  | 576817   | 45.470  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 7.004  | 146  | 572711   | 45.213  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.157  | 146  | 555982   | 45.735  | ng    | 99       |
| 15) Benzyl Alcohol            | 7.134  | 79   | 506925   | 44.280  | ng    | 97       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.263  | 45   | 712994   | 42.499  | ng    | 100      |
| 17) 2-Methylphenol            | 7.239  | 107  | 463607   | 42.022  | ng    | 96       |
| 18) Hexachloroethane          | 7.498  | 117  | 223954   | 45.255  | ng    | 94       |
| 19) n-Nitroso-di-n-propyla... | 7.404  | 70   | 350042   | 38.263  | ng    | 92       |
| 20) 3+4-Methylphenols         | 7.392  | 107  | 521485   | 36.587  | ng    | # 87     |
| 22) Acetophenone              | 7.398  | 105  | 686827   | 39.989  | ng    | # 92     |
| 24) Nitrobenzene              | 7.575  | 77   | 622550   | 40.545  | ng    | 99       |
| 25) Isophorone                | 7.810  | 82   | 1129114  | 41.021  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.892  | 139  | 301033   | 44.435  | ng    | 92       |
| 27) 2,4-Dimethylphenol        | 7.922  | 122  | 459689   | 42.992  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 8.016  | 93   | 680989   | 42.292  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.133  | 162  | 458245   | 43.084  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.216  | 180  | 502715   | 43.527  | ng    | 98       |
| 31) Naphthalene               | 8.298  | 128  | 1457017  | 41.784  | ng    | 99       |
| 32) Benzoic acid              | 8.051  | 122  | 352561m  | 42.335  | ng    |          |
| 33) 4-Chloroaniline           | 8.345  | 127  | 213503   | 14.288  | ng    | # 93     |
| 34) Hexachlorobutadiene       | 8.410  | 225  | 311677   | 42.468  | ng    | 100      |
| 35) Caprolactam               | 8.728  | 113  | 164451m  | 46.899  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.828  | 107  | 504194   | 43.164  | ng    | 96       |
| 37) 2-Methylnaphthalene       | 8.992  | 142  | 960684   | 40.426  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 9.092  | 142  | 892792   | 40.201  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 9.157  | 216  | 510604   | 43.405  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.139  | 237  | 457092   | 71.639  | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 9.269  | 196  | 348747   | 43.745  | ng    | 100      |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030723\  
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 Operator : CG\JU  
 Sample : 01825-01MSD  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HH-TP1-0306MSD

Manual Integrations  
 APPROVED

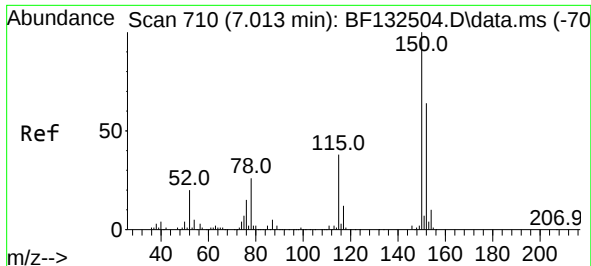
Reviewed By : Christian Giraldo 03/08/2023  
 Supervised By : Jagrut Upadhyay 03/08/2023

Quant Time : Mar 08 04:42:23 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022223.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 07 13:42:31 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.316  | 196  | 368828   | 39.639 | ng    | 97       |
| 46) 1,1'-Biphenyl             | 9.457  | 154  | 1143402  | 42.015 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 9.480  | 162  | 939330   | 43.535 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.580  | 65   | 318307   | 40.055 | ng    | 89       |
| 49) Acenaphthylene            | 9.898  | 152  | 1450789  | 42.249 | ng    | 100      |
| 50) Dimethylphthalate         | 9.757  | 163  | 1108843  | 42.355 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.822  | 165  | 258734   | 43.396 | ng    | # 87     |
| 52) Acenaphthene              | 10.075 | 154  | 1013637m | 46.486 | ng    |          |
| 53) 3-Nitroaniline            | 9.992  | 138  | 191495   | 28.712 | ng    | 94       |
| 54) 2,4-Dinitrophenol         | 10.104 | 184  | 288449   | 76.847 | ng    | 91       |
| 55) Dibenzofuran              | 10.245 | 168  | 1318465  | 41.476 | ng    | 99       |
| 56) 4-Nitrophenol             | 10.157 | 139  | 393945   | 79.203 | ng    | 96       |
| 57) 2,4-Dinitrotoluene        | 10.227 | 165  | 347214   | 43.774 | ng    | 95       |
| 58) Fluorene                  | 10.592 | 166  | 1033578  | 42.508 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.363 | 232  | 304214   | 44.013 | ng    | 98       |
| 60) Diethylphthalate          | 10.451 | 149  | 1060406  | 41.473 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.575 | 204  | 522708   | 41.439 | ng    | 98       |
| 62) 4-Nitroaniline            | 10.610 | 138  | 271165   | 41.419 | ng    | 94       |
| 63) Azobenzene                | 10.739 | 77   | 1126452  | 41.599 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.639 | 198  | 201369   | 43.254 | ng    | 97       |
| 66) n-Nitrosodiphenylamine    | 10.698 | 169  | 902458   | 42.092 | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 11.069 | 248  | 331700   | 42.639 | ng    | 99       |
| 68) Hexachlorobenzene         | 11.139 | 284  | 371737   | 45.414 | ng    | # 94     |
| 69) Atrazine                  | 11.222 | 200  | 315603   | 47.151 | ng    | 99       |
| 70) Pentachlorophenol         | 11.339 | 266  | 365245   | 74.997 | ng    | 99       |
| 71) Phenanthrene              | 11.563 | 178  | 2072401  | 58.169 | ng    | 99       |
| 72) Anthracene                | 11.610 | 178  | 1675759  | 45.676 | ng    | 99       |
| 73) Carbazole                 | 11.763 | 167  | 1384495  | 41.855 | ng    | 99       |
| 74) Di-n-butylphthalate       | 12.080 | 149  | 1639212  | 42.247 | ng    | 100      |
| 75) Fluoranthene              | 12.757 | 202  | 2427849  | 62.335 | ng    | 98       |
| 77) Benzidine                 | 12.874 | 184  | 532507   | 62.161 | ng    | 99       |
| 78) Pyrene                    | 12.992 | 202  | 2304821  | 72.036 | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.592 | 149  | 625014   | 49.502 | ng    | 100      |
| 81) Benzo(a)anthracene        | 14.180 | 228  | 1526244  | 57.963 | ng    | 97       |
| 82) 3,3'-Dichlorobenzidine    | 14.139 | 252  | 223702   | 28.817 | ng    | 98       |
| 83) Chrysene                  | 14.221 | 228  | 1367919  | 55.555 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.151 | 149  | 803668   | 51.815 | ng    | # 97     |
| 85) Di-n-octyl phthalate      | 14.774 | 149  | 1230643  | 54.296 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.333 | 276  | 1417917  | 55.504 | ng    | 100      |
| 88) Benzo(b)fluoranthene      | 15.280 | 252  | 1489127  | 56.995 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 15.310 | 252  | 1226105  | 47.950 | ng    | 100      |
| 90) Benzo(a)pyrene            | 15.674 | 252  | 1283276  | 52.479 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.351 | 278  | 1032043  | 49.584 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.827 | 276  | 1170751  | 49.712 | ng    | 99       |

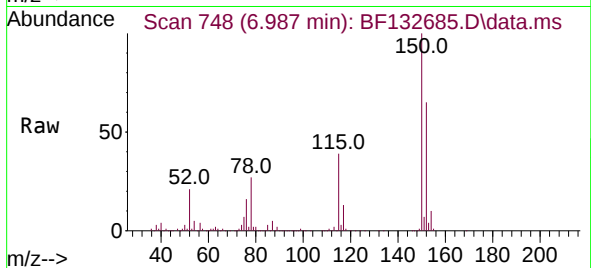
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.987 min Scan# 74  
Delta R.T. -0.006 min  
Lab File: BF132685.D  
Acq: 07 Mar 2023 19:06

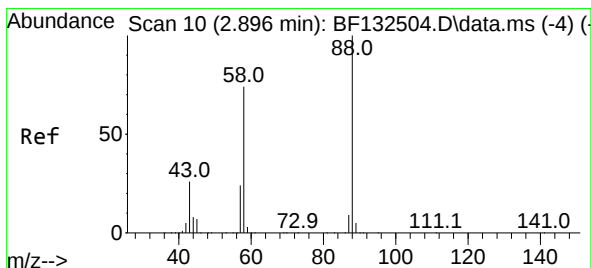
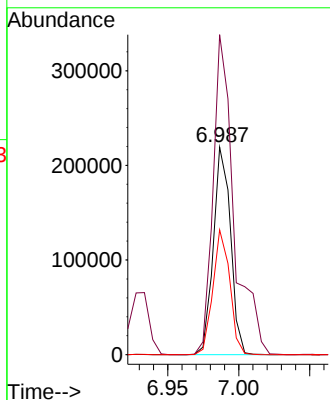
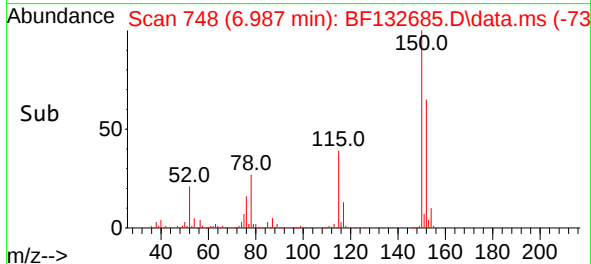
Instrument :  
BNA\_F  
ClientSampleId :  
HH-TP1-0306MSD



Tgt Ion:152 Resp: 18485  
Ion Ratio Lower Upper  
152 100  
150 154.2 125.4 188.2  
115 60.1 47.8 71.6

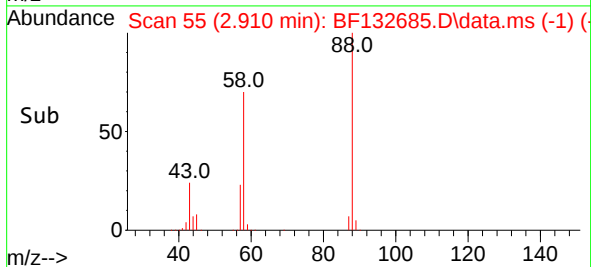
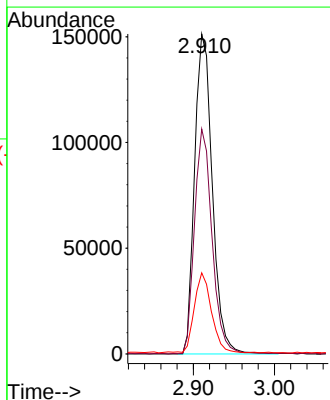
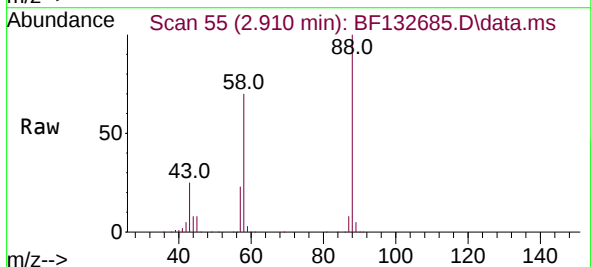
Manual Integrations  
APPROVED

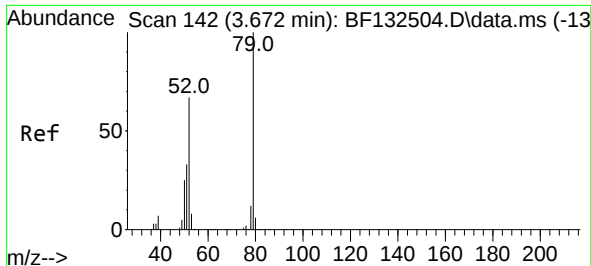
Reviewed By :Christian Giraldo 03/08/2023  
Supervised By :Jagrut Upadhyay 03/08/2023



#2  
1,4-Dioxane  
Concen: 36.334 ng  
RT: 2.910 min Scan# 55  
Delta R.T. 0.070 min  
Lab File: BF132685.D  
Acq: 07 Mar 2023 19:06

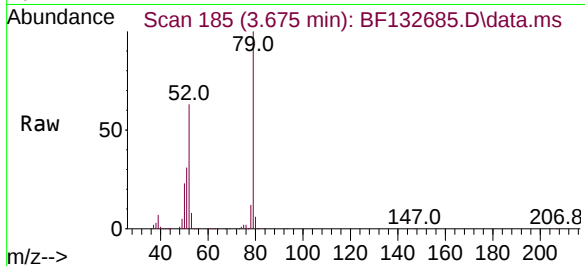
Tgt Ion: 88 Resp: 228917  
Ion Ratio Lower Upper  
88 100  
58 69.8 58.3 87.5  
43 23.9 20.7 31.1





#3  
Pyridine  
Concen: 36.712 ng  
RT: 3.675 min Scan# 18  
Delta R.T. 0.053 min  
Lab File: BF132685.D  
Acq: 07 Mar 2023 19:06

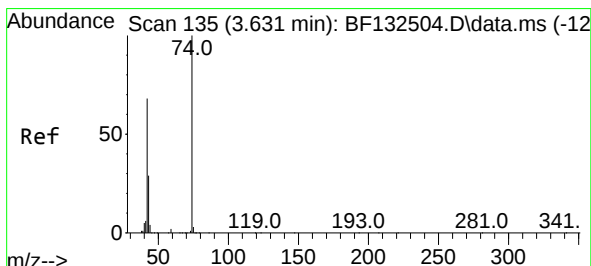
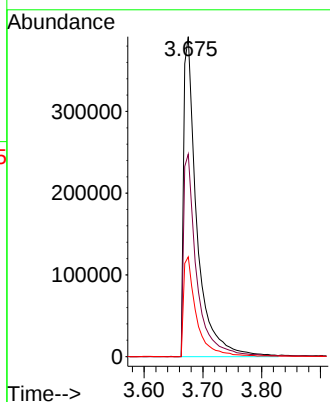
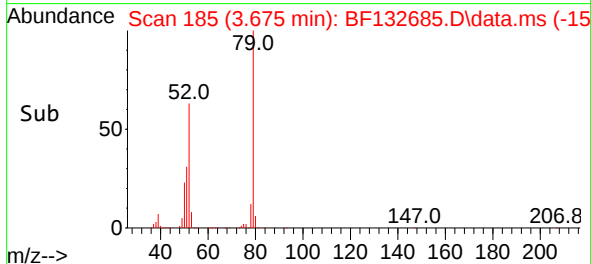
Instrument :  
BNA\_F  
ClientSampleId :  
HH-TP1-0306MSD



Tgt Ion: 79 Resp: 613973  
Ion Ratio Lower Upper  
79 100  
52 63.3 53.7 80.5  
51 31.2 26.6 40.0

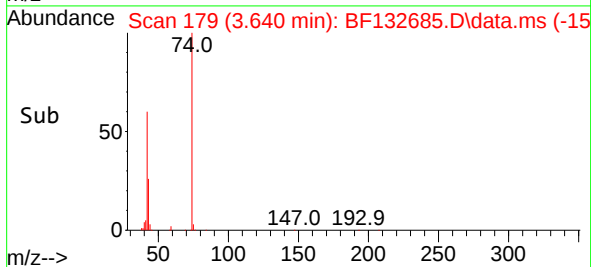
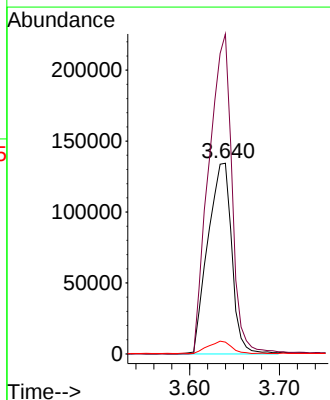
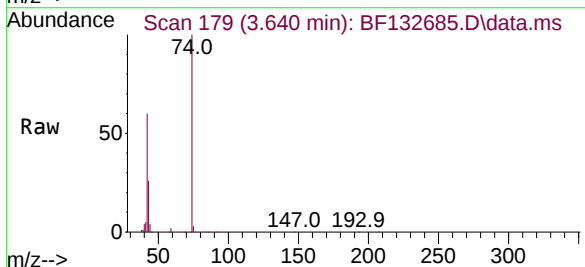
Manual Integrations  
APPROVED

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Supervised By :Jagrut Upadhyay 03/08/2023



#4  
n-Nitrosodimethylamine  
Concen: 39.434 ng  
RT: 3.640 min Scan# 179  
Delta R.T. 0.047 min  
Lab File: BF132685.D  
Acq: 07 Mar 2023 19:06

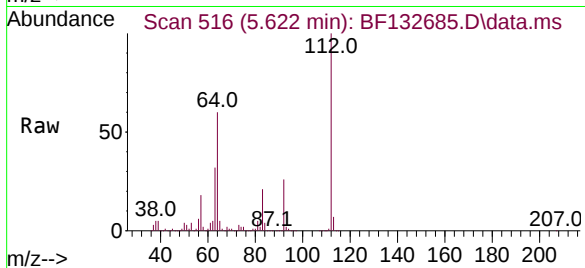
Tgt Ion: 42 Resp: 249104  
Ion Ratio Lower Upper  
42 100  
74 167.9 118.2 177.2  
44 6.2 5.3 7.9





#5  
2-Fluorophenol  
Concen: 101.082 ng  
RT: 5.622 min Scan# 516  
Delta R.T. 0.006 min  
Lab File: BF132685.D  
Acq: 07 Mar 2023 19:06

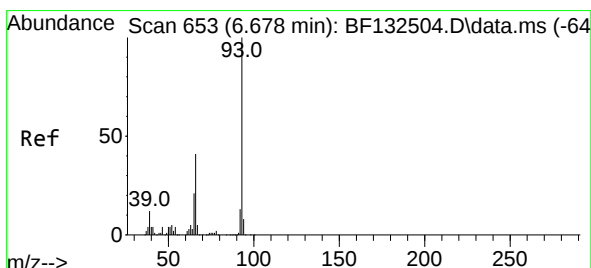
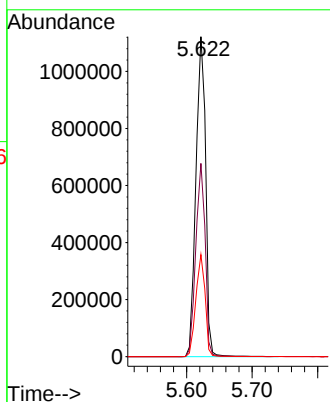
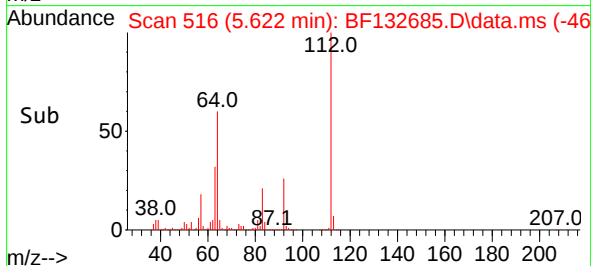
Instrument :  
BNA\_F  
ClientSampleId :  
HH-TP1-0306MSD



Tgt Ion: 112 Resp: 115132  
Ion Ratio Lower Upper  
112 100  
64 60.4 51.6 77.4  
63 31.9 27.4 41.2

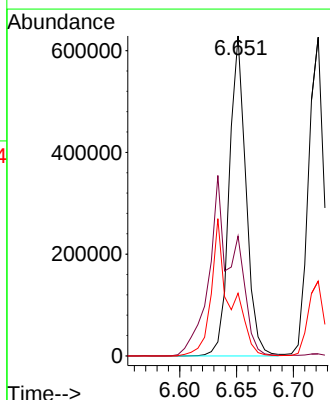
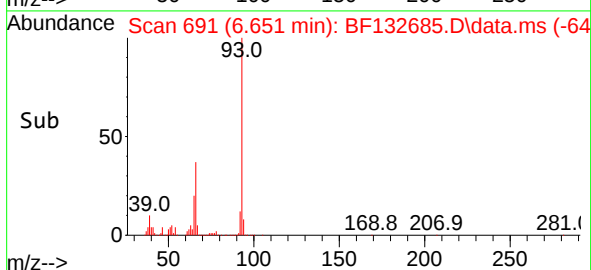
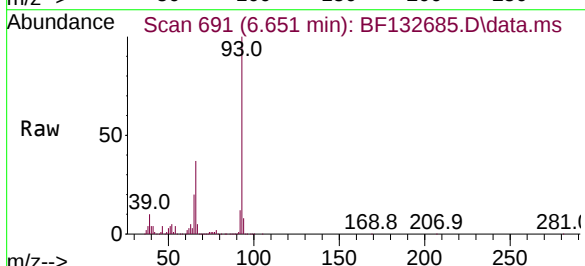
Manual Integrations  
APPROVED

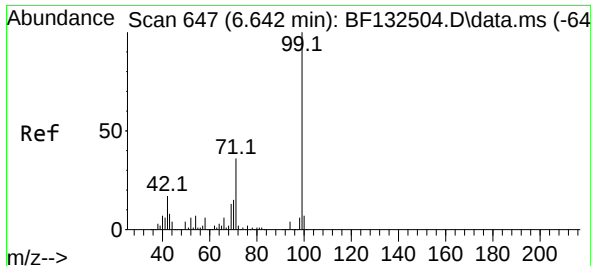
Reviewed By :Christian Giraldo 03/08/2023  
Supervised By :Jagrut Upadhyay 03/08/2023



#6  
Aniline  
Concen: 32.078 ng  
RT: 6.651 min Scan# 691  
Delta R.T. -0.006 min  
Lab File: BF132685.D  
Acq: 07 Mar 2023 19:06

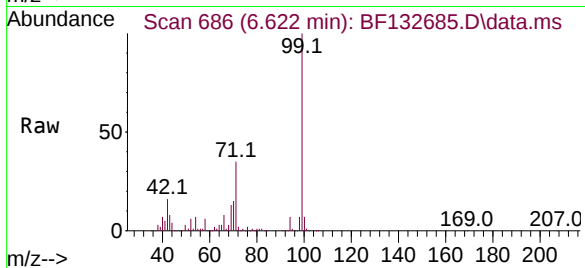
Tgt Ion: 93 Resp: 641698  
Ion Ratio Lower Upper  
93 100  
66 37.4 32.5 48.7  
65 19.6 16.6 24.8





#7  
Phenol-d6  
Concen: 100.045 ng  
RT: 6.622 min Scan# 68  
Delta R.T. -0.000 min  
Lab File: BF132685.D  
Acq: 07 Mar 2023 19:06

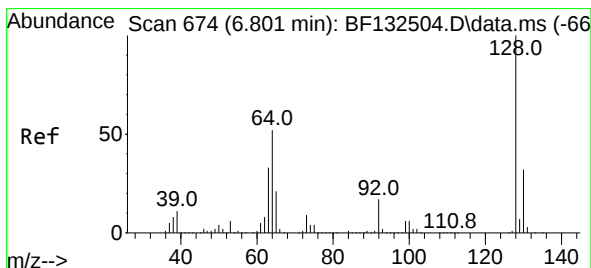
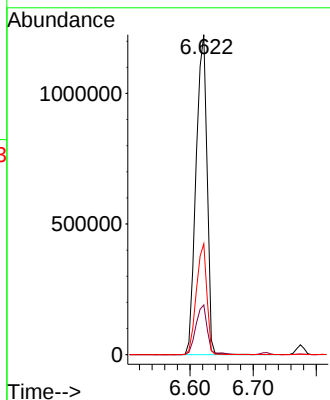
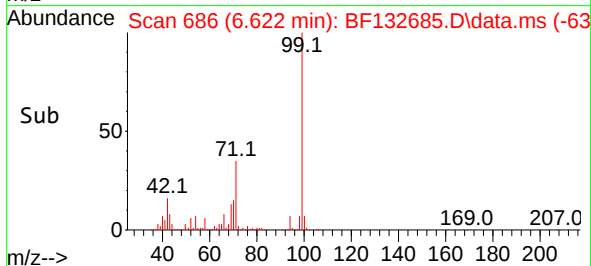
Instrument :  
BNA\_F  
ClientSampleId :  
HH-TP1-0306MSD



Tgt Ion: 99 Resp: 148715  
Ion Ratio Lower Upper  
99 100  
42 15.5 13.9 20.9  
71 34.6 28.5 42.7

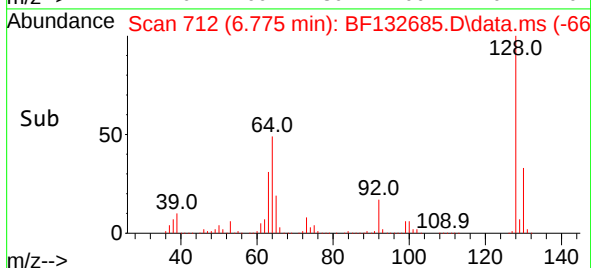
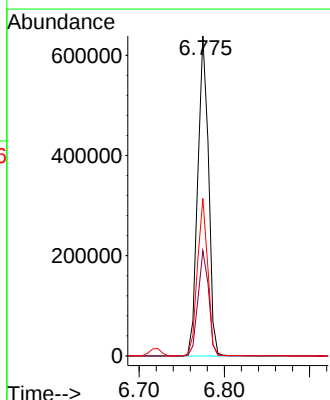
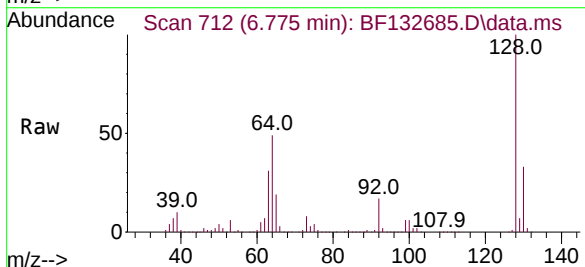
Manual Integrations  
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Supervised By :Jagrut Upadhyay 03/08/2023



#8  
2-Chlorophenol  
Concen: 47.278 ng  
RT: 6.775 min Scan# 712  
Delta R.T. -0.006 min  
Lab File: BF132685.D  
Acq: 07 Mar 2023 19:06

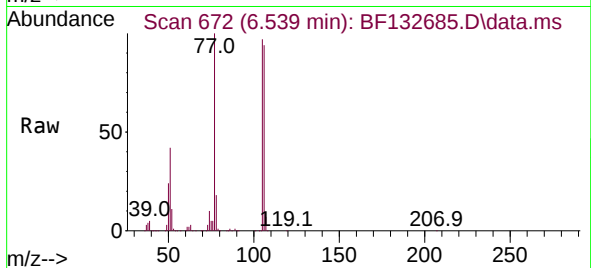
Tgt Ion:128 Resp: 558886  
Ion Ratio Lower Upper  
128 100  
130 32.9 12.1 52.1  
64 49.2 32.0 72.0





#9  
Benzaldehyde  
Concen: 33.967 ng  
RT: 6.539 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: BF132685.D  
Acq: 07 Mar 2023 19:06

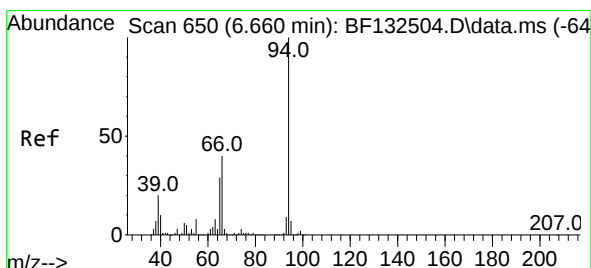
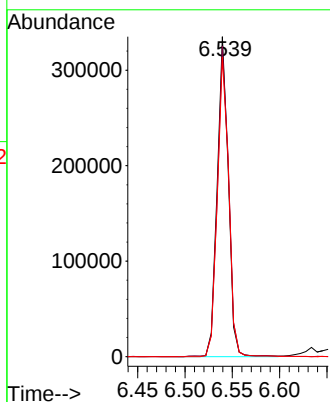
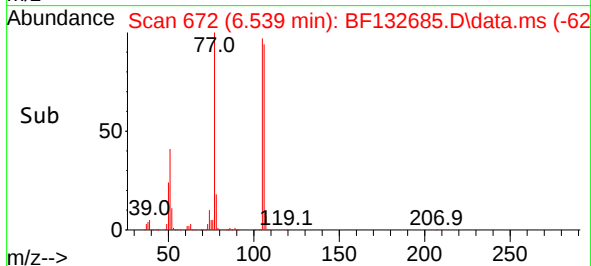
Instrument :  
BNA\_F  
ClientSampleId :  
HH-TP1-0306MSD



Tgt Ion: 77 Resp: 272452  
Ion Ratio Lower Upper  
77 100  
105 97.1 77.9 117.9  
106 93.5 73.4 113.4

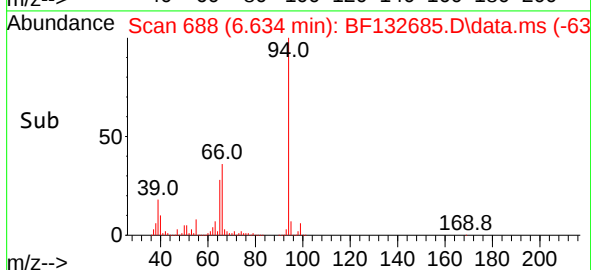
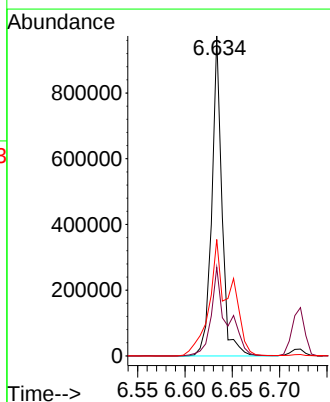
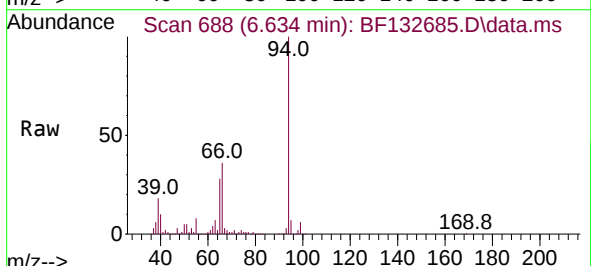
Manual Integrations  
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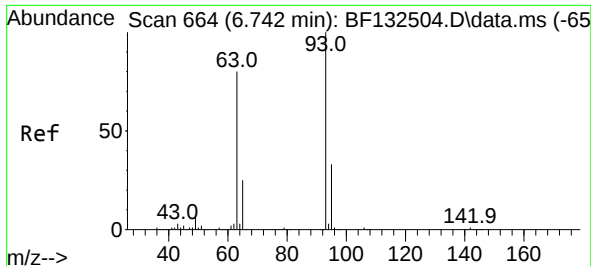
Reviewed By :Christian Giraldo 03/08/2023  
Supervised By :Jagrut Upadhyay 03/08/2023



#10  
Phenol  
Concen: 42.661 ng  
RT: 6.634 min Scan# 688  
Delta R.T. -0.006 min  
Lab File: BF132685.D  
Acq: 07 Mar 2023 19:06

Tgt Ion: 94 Resp: 727040  
Ion Ratio Lower Upper  
94 100  
65 27.7 9.4 49.4  
66 36.4 19.8 59.8





#11

bis(2-Chloroethyl)ether

Concen: 44.329 ng

RT: 6.722 min Scan# 703

Delta R.T. -0.006 min

Lab File: BF132685.D

Acq: 07 Mar 2023 19:06

Instrument :

BNA\_F

ClientSampleId :

HH-TP1-0306MSD

Tgt Ion: 93 Resp: 583203

Ion Ratio Lower Upper

93 100

63 73.2 59.6 99.6

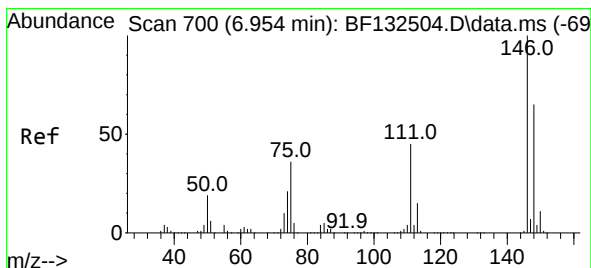
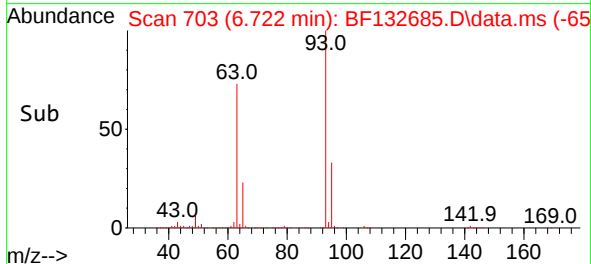
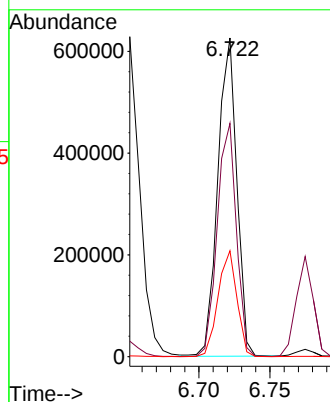
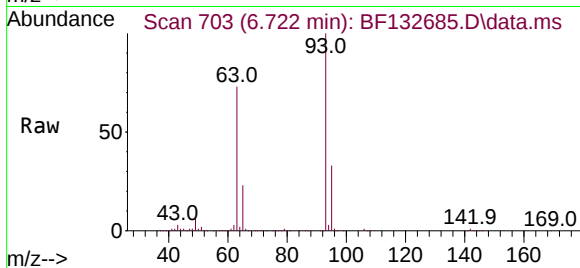
95 33.2 12.8 52.8

Manual Integrations

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Reviewed By :Christian Giraldo 03/08/2023

Supervised By :Jagrut Upadhyay 03/08/2023



#12

1,3-Dichlorobenzene

Concen: 45.470 ng

RT: 6.928 min Scan# 738

Delta R.T. -0.006 min

Lab File: BF132685.D

Acq: 07 Mar 2023 19:06

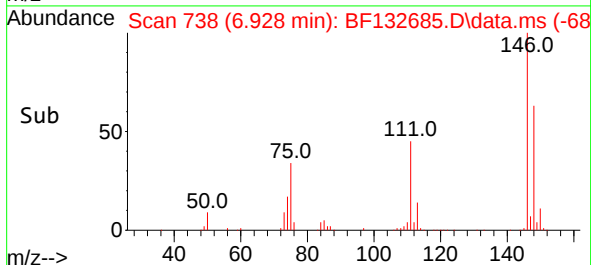
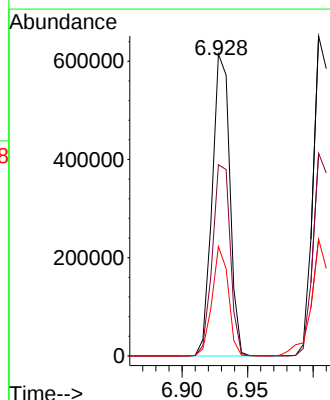
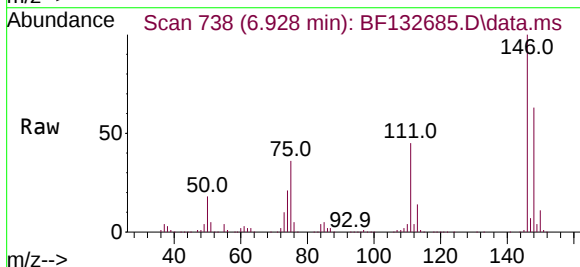
Tgt Ion:146 Resp: 576817

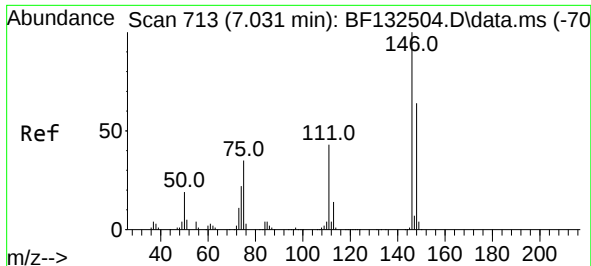
Ion Ratio Lower Upper

146 100

148 63.3 51.9 77.9

75 36.3 28.9 43.3





#13

1,4-Dichlorobenzene

Concen: 45.213 ng

RT: 7.004 min Scan# 713

Delta R.T. -0.006 min

Lab File: BF132685.D

Acq: 07 Mar 2023 19:06

Instrument :

BNA\_F

ClientSampleId :

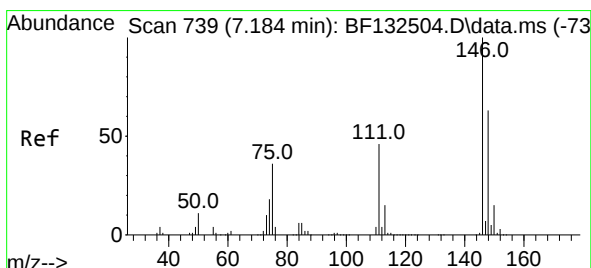
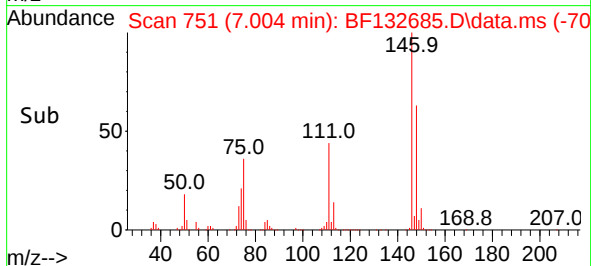
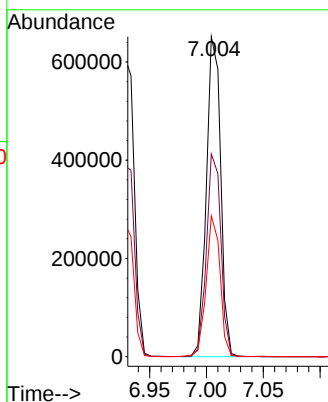
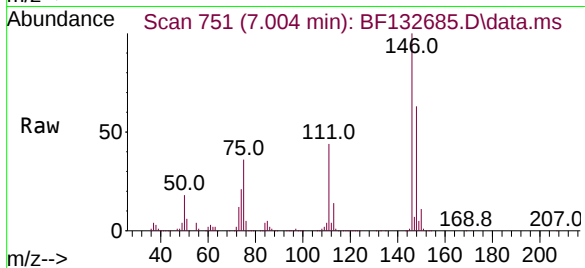
HH-TP1-0306MSD

Tgt Ion:146 Resp: 572711  
 Ion Ratio Lower Upper  
 146 100  
 148 63.3 51.1 76.7  
 111 44.0 34.8 52.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/08/2023  
 Supervised By :Jagrut Upadhyay 03/08/2023



#14

1,2-Dichlorobenzene

Concen: 45.735 ng

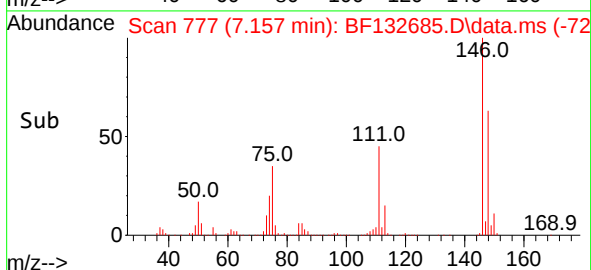
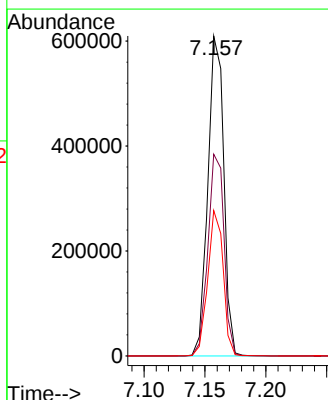
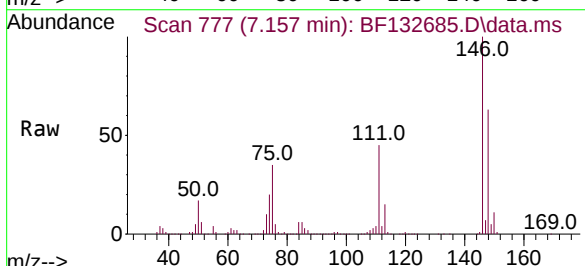
RT: 7.157 min Scan# 777

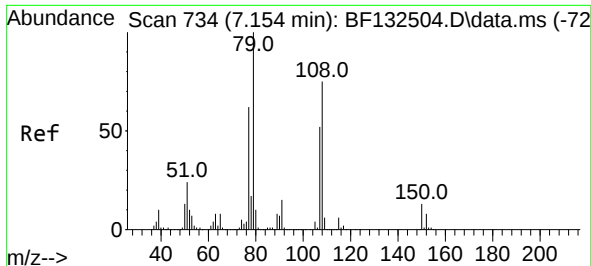
Delta R.T. -0.006 min

Lab File: BF132685.D

Acq: 07 Mar 2023 19:06

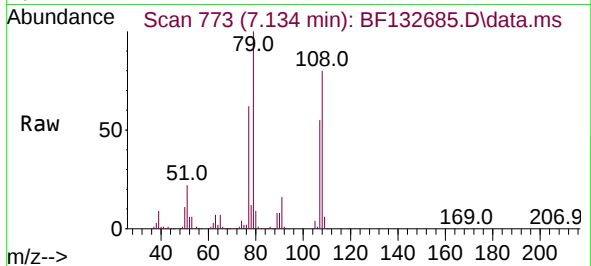
Tgt Ion:146 Resp: 555982  
 Ion Ratio Lower Upper  
 146 100  
 148 63.1 50.6 75.8  
 111 45.4 37.2 55.8





#15  
Benzyl Alcohol  
Concen: 44.280 ng  
RT: 7.134 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: BF132685.D  
Acq: 07 Mar 2023 19:06

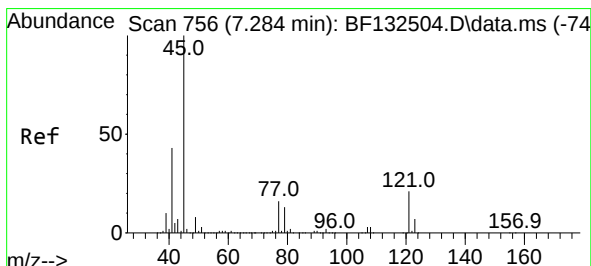
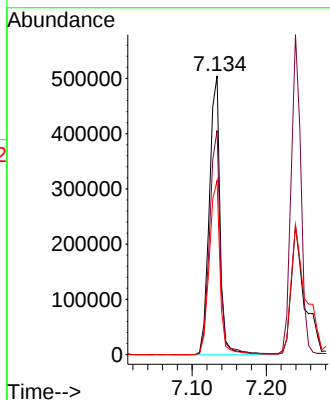
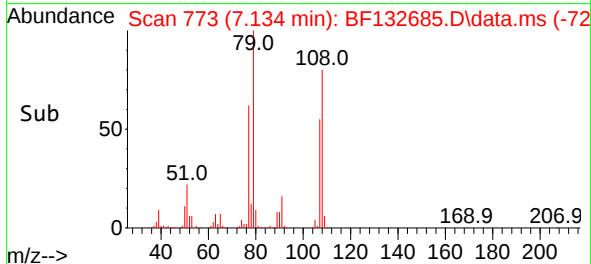
Instrument :  
BNA\_F  
ClientSampleId :  
HH-TP1-0306MSD



Tgt Ion: 79 Resp: 506925  
Ion Ratio Lower Upper  
79 100  
108 80.4 60.2 90.4  
77 62.5 49.9 74.9

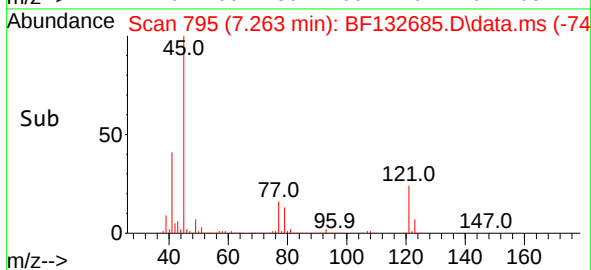
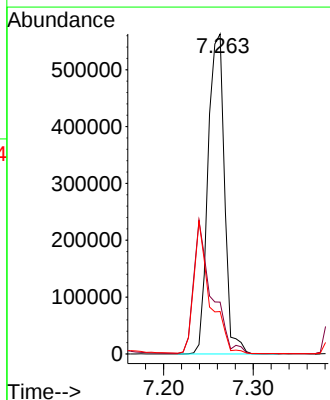
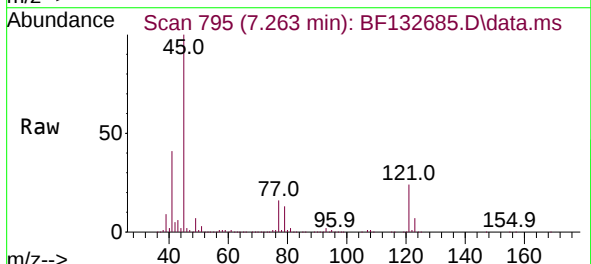
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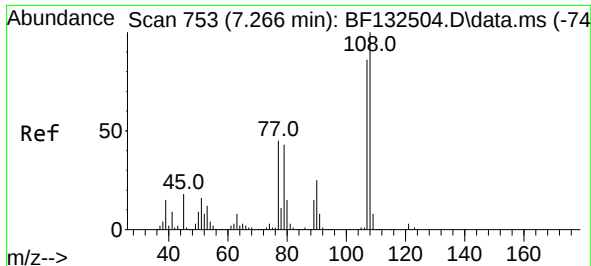
Reviewed By :Christian Giraldo 03/08/2023  
Supervised By :Jagrut Upadhyay 03/08/2023



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 42.499 ng  
RT: 7.263 min Scan# 795  
Delta R.T. -0.000 min  
Lab File: BF132685.D  
Acq: 07 Mar 2023 19:06

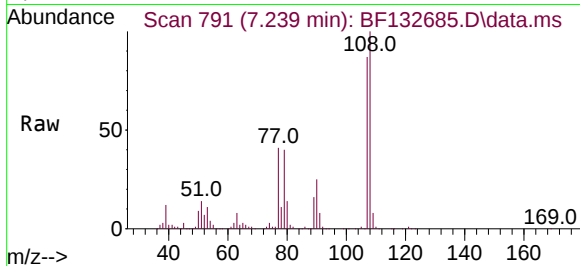
Tgt Ion: 45 Resp: 712994  
Ion Ratio Lower Upper  
45 100  
77 16.2 0.0 36.4  
79 13.3 0.0 33.4





#17  
2-Methylphenol  
Concen: 42.022 ng  
RT: 7.239 min Scan# 791  
Delta R.T. -0.000 min  
Lab File: BF132685.D  
Acq: 07 Mar 2023 19:06

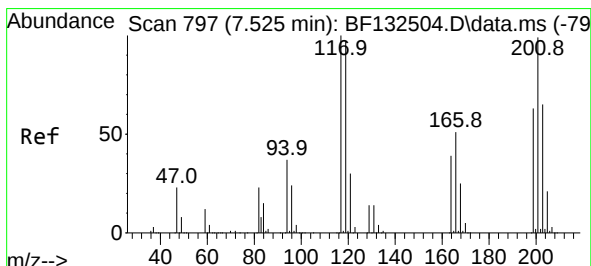
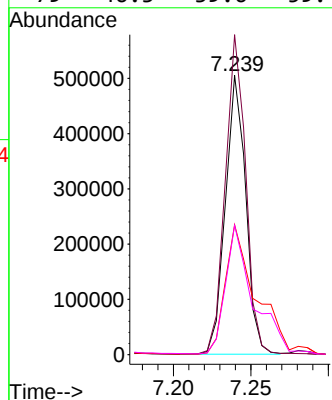
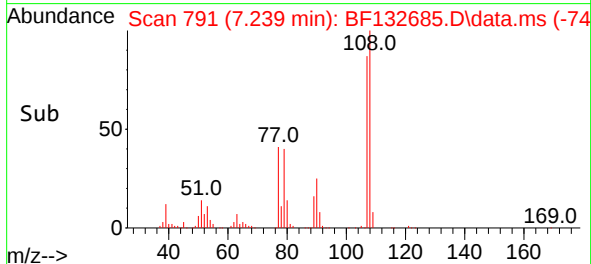
Instrument :  
BNA\_F  
ClientSampleId :  
HH-TP1-0306MSD



Tgt Ion:107 Resp: 46360  
Ion Ratio Lower Upper  
107 100  
108 114.6 93.0 139.4  
77 46.5 42.1 63.1  
79 46.3 39.6 59.4

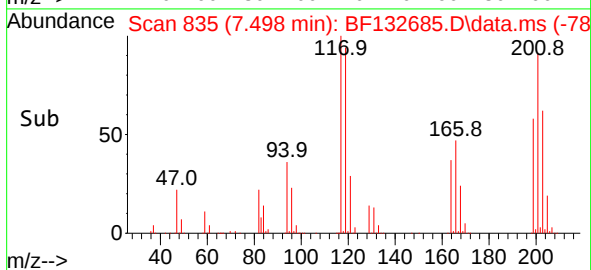
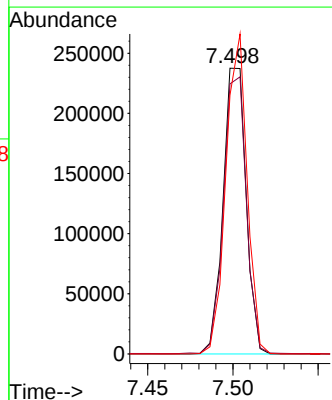
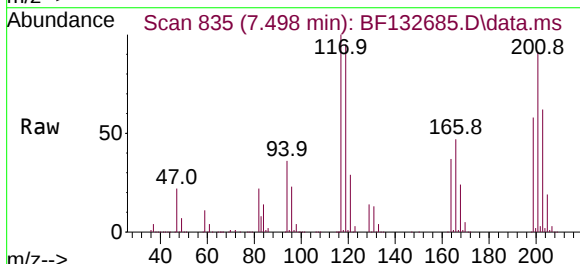
Manual Integrations  
APPROVED

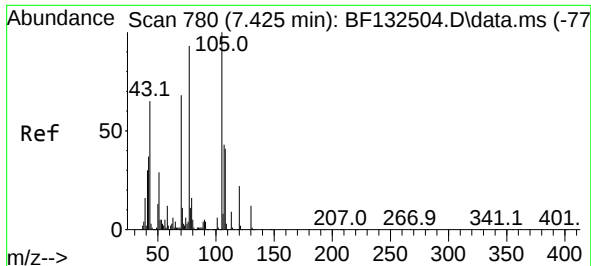
Reviewed By :Christian Giraldo 03/08/2023  
Supervised By :Jagrut Upadhyay 03/08/2023



#18  
Hexachloroethane  
Concen: 45.255 ng  
RT: 7.498 min Scan# 835  
Delta R.T. -0.006 min  
Lab File: BF132685.D  
Acq: 07 Mar 2023 19:06

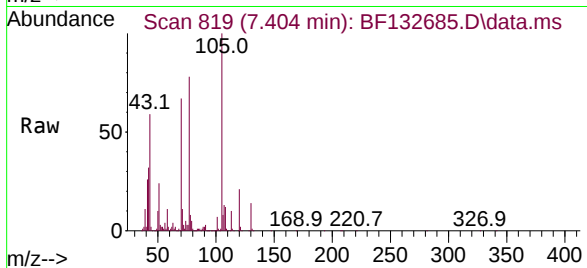
Tgt Ion:117 Resp: 223954  
Ion Ratio Lower Upper  
117 100  
119 94.5 78.0 117.0  
201 90.5 79.0 118.4





#19  
n-Nitroso-di-n-propylamine  
Concen: 38.263 ng  
RT: 7.404 min Scan# 819  
Delta R.T. -0.000 min  
Lab File: BF132685.D  
Acq: 07 Mar 2023 19:06

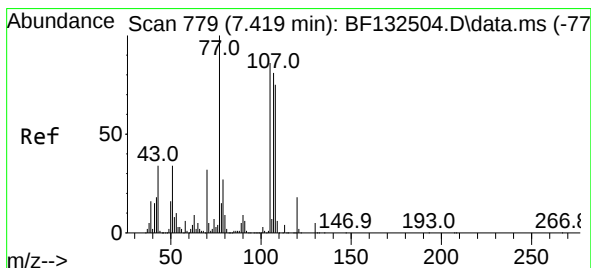
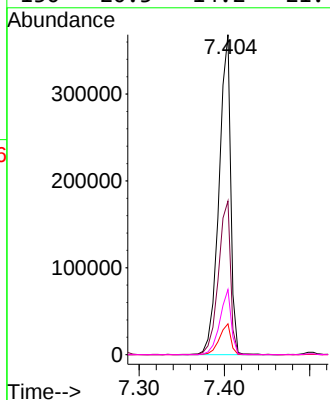
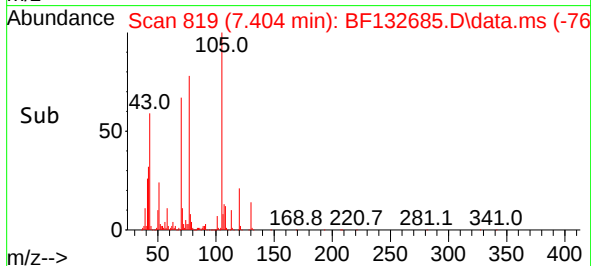
Instrument :  
BNA\_F  
ClientSampleId :  
HH-TP1-0306MSD



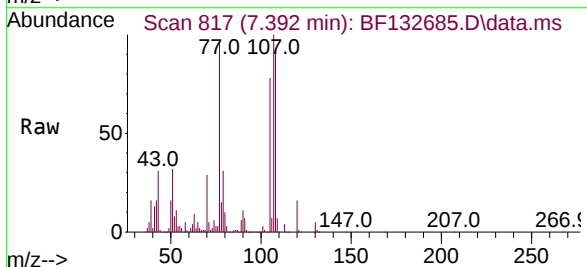
Tgt Ion: 70 Resp: 350042  
Ion Ratio Lower Upper  
70 100  
42 48.0 44.1 66.1  
101 9.6 7.4 11.2  
130 20.3 14.2 21.4

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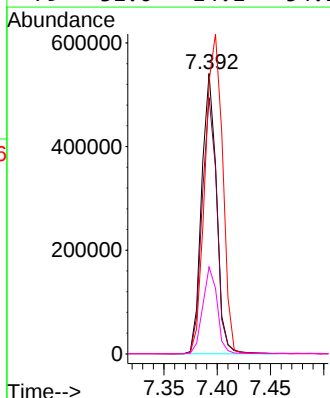
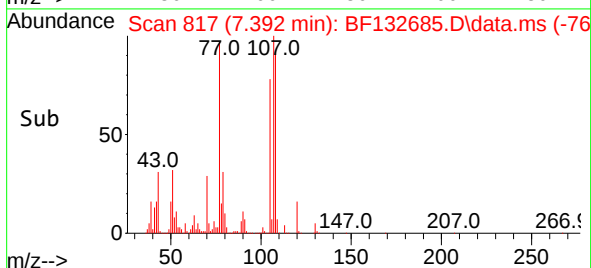
Reviewed By :Christian Giraldo 03/08/2023  
Supervised By :Jagrut Upadhyay 03/08/2023

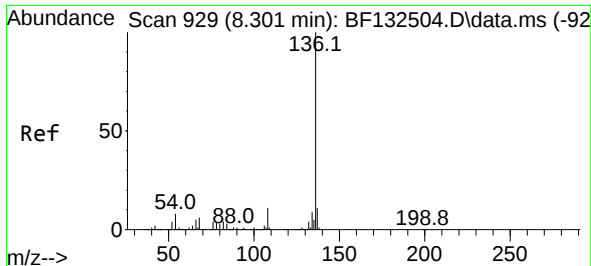


#20  
3+4-Methylphenols  
Concen: 36.587 ng  
RT: 7.392 min Scan# 817  
Delta R.T. -0.006 min  
Lab File: BF132685.D  
Acq: 07 Mar 2023 19:06



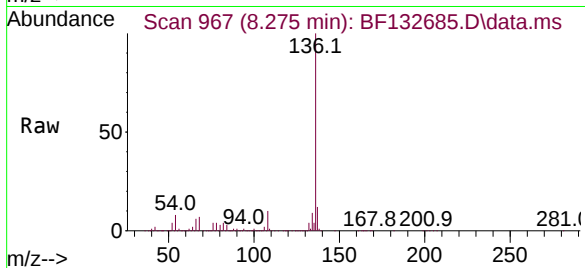
Tgt Ion:107 Resp: 521485  
Ion Ratio Lower Upper  
107 100  
108 91.4 72.6 112.6  
77 97.2 104.0 144.0#  
79 31.0 14.1 54.1





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.275 min Scan# 90  
Delta R.T. -0.006 min  
Lab File: BF132685.D  
Acq: 07 Mar 2023 19:06

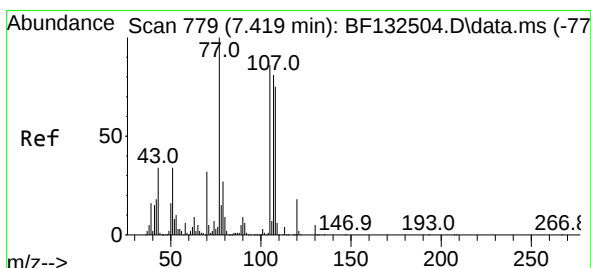
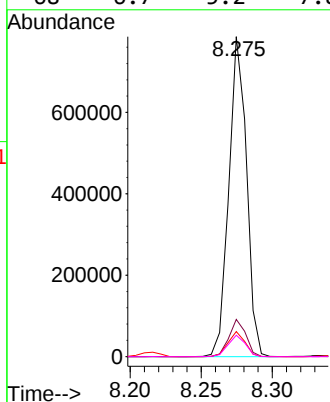
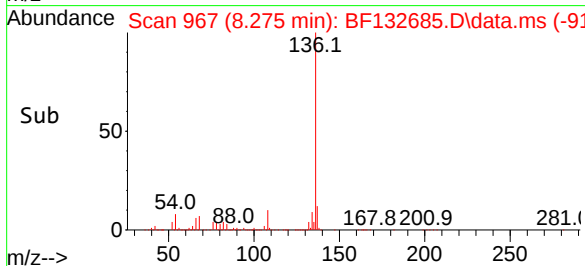
Instrument :  
BNA\_F  
ClientSampleId :  
HH-TP1-0306MSD



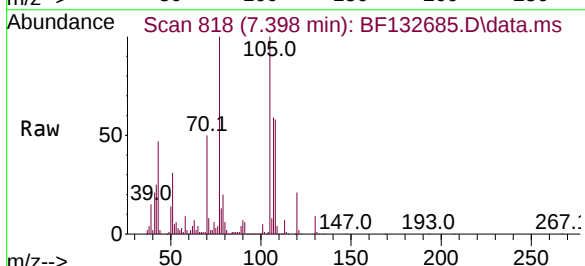
Tgt Ion:136 Resp: 681150  
Ion Ratio Lower Upper  
136 100  
137 11.6 8.9 13.3  
54 7.8 6.2 9.4  
68 6.7 5.2 7.8

Manual Integrations  
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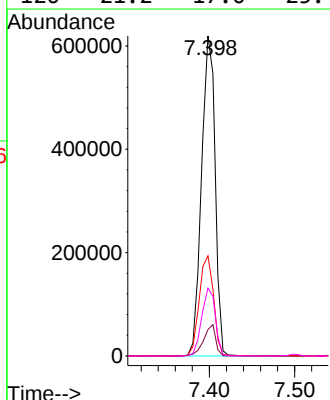
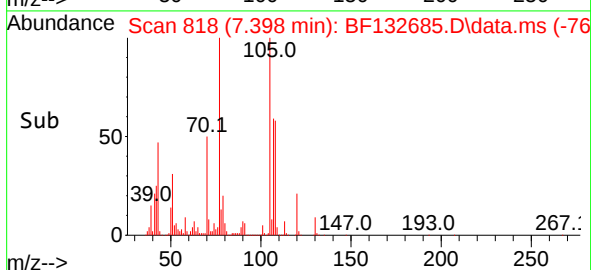
Reviewed By :Christian Giraldo 03/08/2023  
Supervised By :Jagrut Upadhyay 03/08/2023

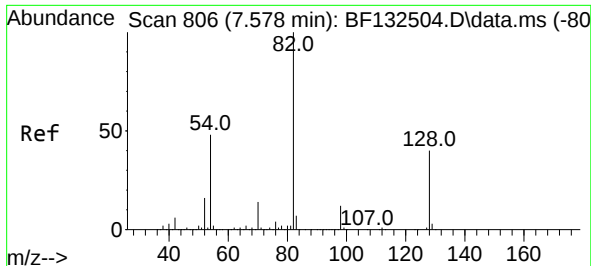


#22  
Acetophenone  
Concen: 39.989 ng  
RT: 7.398 min Scan# 818  
Delta R.T. -0.006 min  
Lab File: BF132685.D  
Acq: 07 Mar 2023 19:06



Tgt Ion:105 Resp: 686827  
Ion Ratio Lower Upper  
105 100  
71 8.2 5.0 7.4#  
51 31.3 31.5 47.3#  
120 21.2 17.0 25.4





#23

Nitrobenzene-d5

Concen: 66.879 ng

RT: 7.557 min Scan# 84

Delta R.T. -0.006 min

Lab File: BF132685.D

Acq: 07 Mar 2023 19:06

Instrument :

BNA\_F

ClientSampleId :

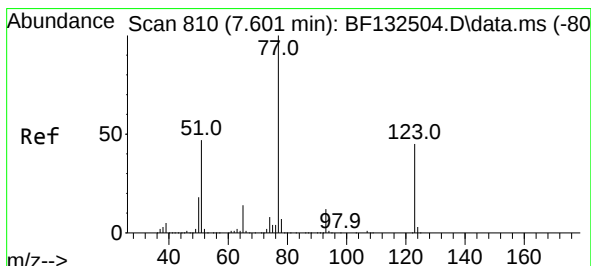
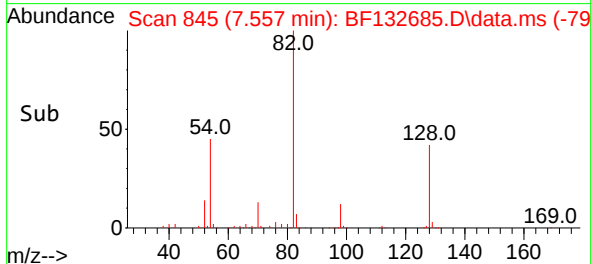
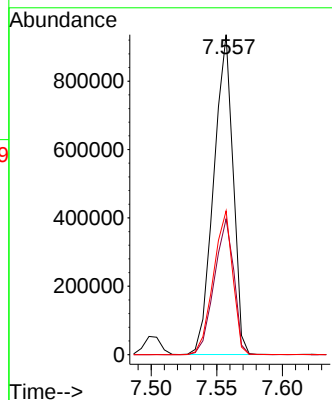
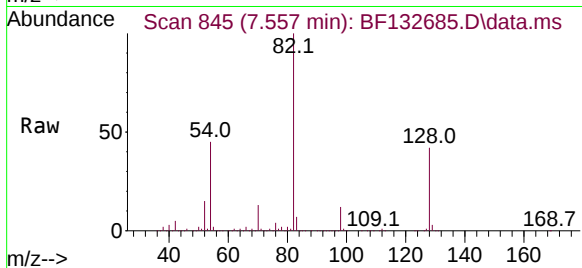
HH-TP1-0306MSD

|             |              |
|-------------|--------------|
| Tgt Ion: 82 | Resp: 960175 |
| Ion Ratio   | Lower Upper  |
| 82 100      |              |
| 128 42.4    | 32.2 48.2    |
| 54 45.0     | 38.4 57.6    |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/08/2023  
Supervised By :Jagrut Upadhyay 03/08/2023



#24

Nitrobenzene

Concen: 40.545 ng

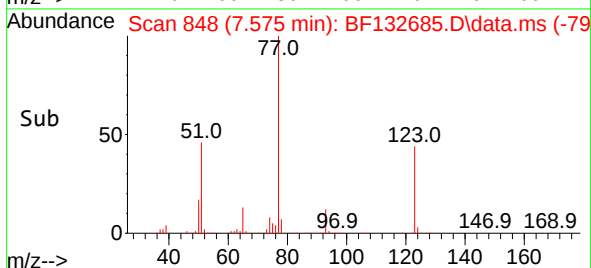
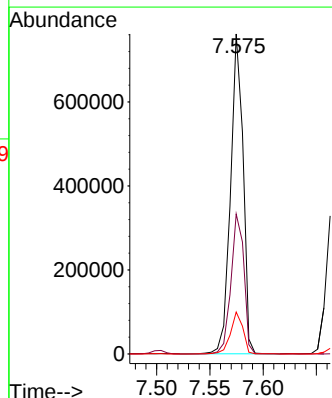
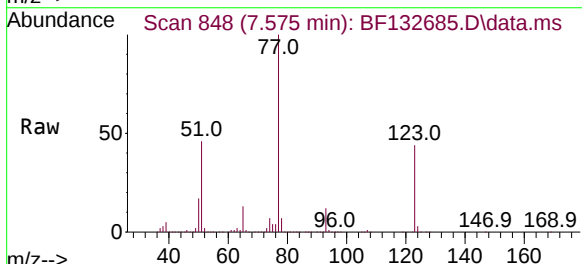
RT: 7.575 min Scan# 848

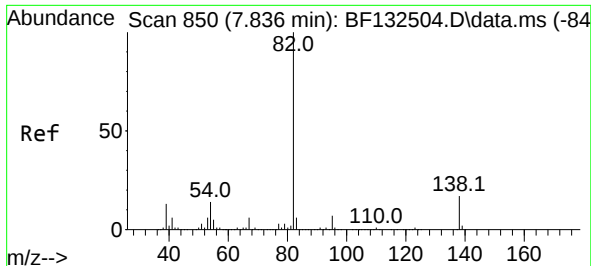
Delta R.T. -0.006 min

Lab File: BF132685.D

Acq: 07 Mar 2023 19:06

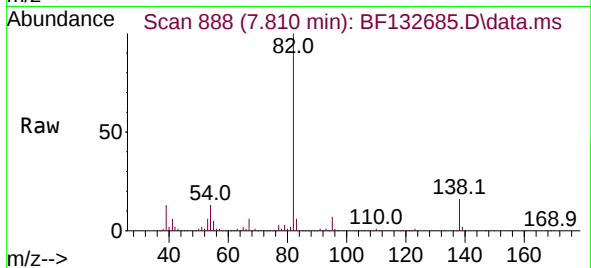
|             |              |
|-------------|--------------|
| Tgt Ion: 77 | Resp: 622550 |
| Ion Ratio   | Lower Upper  |
| 77 100      |              |
| 123 43.7    | 35.8 53.6    |
| 65 13.1     | 10.9 16.3    |





#25  
Isophorone  
Concen: 41.021 ng  
RT: 7.810 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF132685.D  
Acq: 07 Mar 2023 19:06

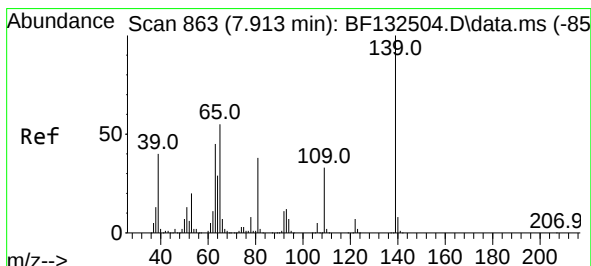
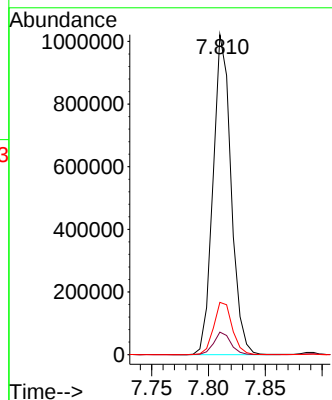
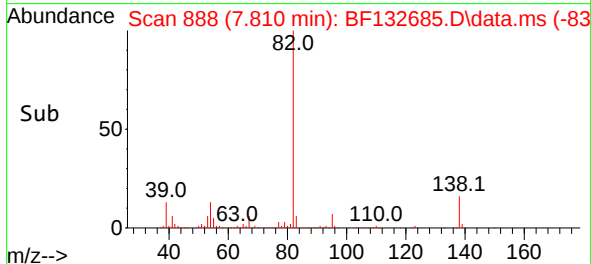
Instrument :  
BNA\_F  
ClientSampleId :  
HH-TP1-0306MSD



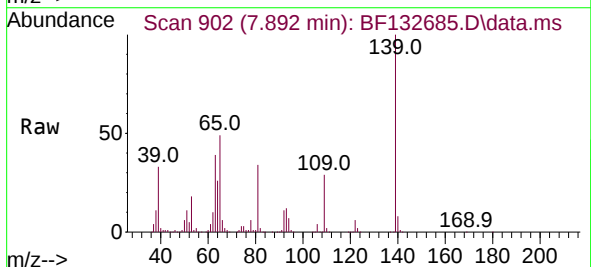
Tgt Ion: 82 Resp: 1129114  
Ion Ratio Lower Upper  
82 100  
95 7.0 5.7 8.5  
138 16.3 13.3 19.9

Manual Integrations  
APPROVED

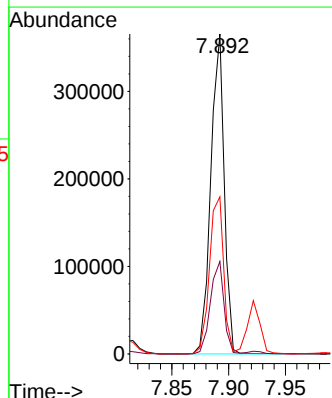
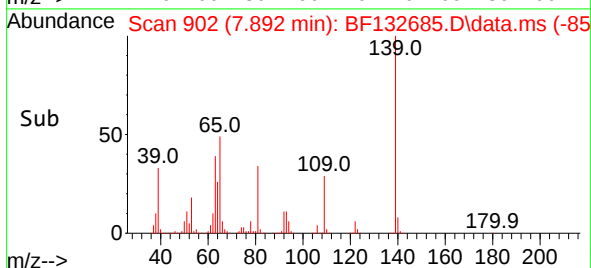
Reviewed By :Christian Giraldo 03/08/2023  
Supervised By :Jagrut Upadhyay 03/08/2023

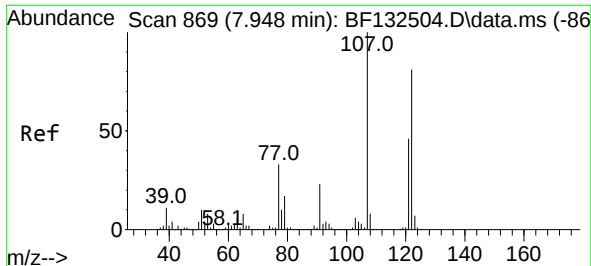


#26  
2-Nitrophenol  
Concen: 44.435 ng  
RT: 7.892 min Scan# 902  
Delta R.T. -0.000 min  
Lab File: BF132685.D  
Acq: 07 Mar 2023 19:06



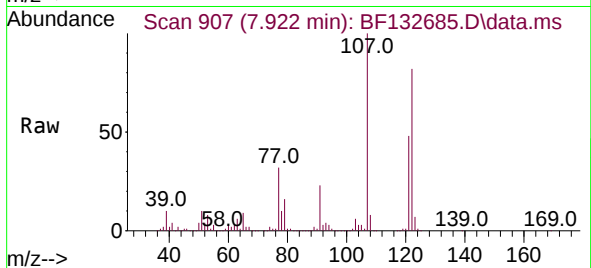
Tgt Ion:139 Resp: 301033  
Ion Ratio Lower Upper  
139 100  
109 28.9 26.2 39.2  
65 49.1 43.8 65.8





#27  
2,4-Dimethylphenol  
Concen: 42.992 ng  
RT: 7.922 min Scan# 90  
Delta R.T. -0.006 min  
Lab File: BF132685.D  
Acq: 07 Mar 2023 19:06

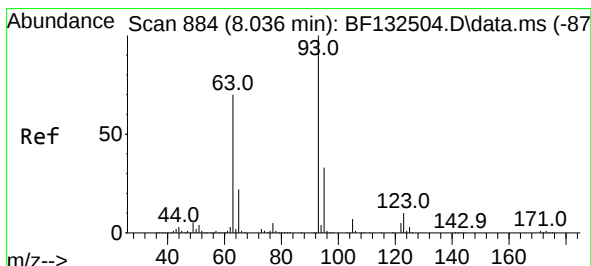
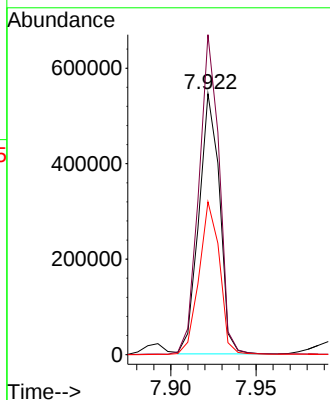
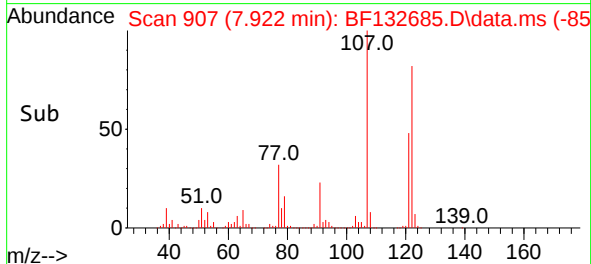
Instrument :  
BNA\_F  
ClientSampleId :  
HH-TP1-0306MSD



Tgt Ion:122 Resp: 459689  
Ion Ratio Lower Upper  
122 100  
107 122.6 98.7 148.1  
121 58.5 45.8 68.6

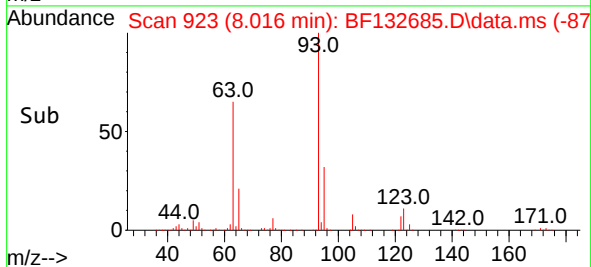
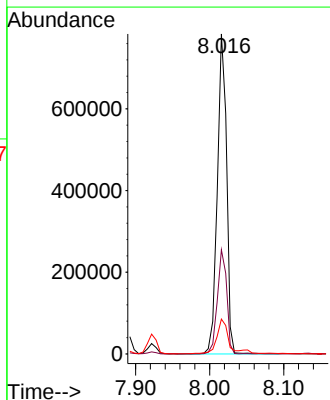
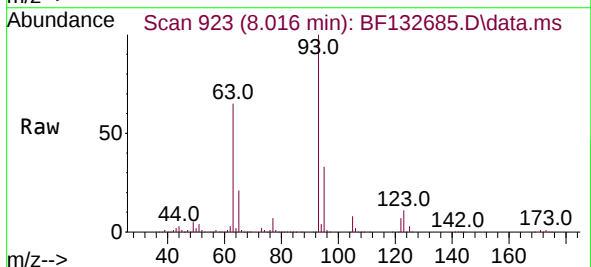
Manual Integrations  
APPROVED

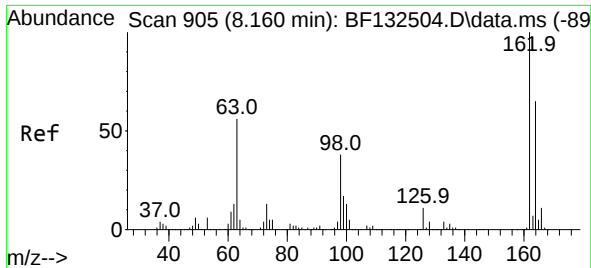
Reviewed By :Christian Giraldo 03/08/2023  
Supervised By :Jagrut Upadhyay 03/08/2023



#28  
bis(2-Chloroethoxy)methane  
Concen: 42.292 ng  
RT: 8.016 min Scan# 923  
Delta R.T. -0.006 min  
Lab File: BF132685.D  
Acq: 07 Mar 2023 19:06

Tgt Ion: 93 Resp: 680989  
Ion Ratio Lower Upper  
93 100  
95 32.5 26.3 39.5  
123 10.9 8.3 12.5





#29

2,4-Dichlorophenol

Concen: 43.084 ng

RT: 8.133 min Scan# 94

Delta R.T. -0.000 min

Lab File: BF132685.D

Acq: 07 Mar 2023 19:06

Instrument :

BNA\_F

ClientSampleId :

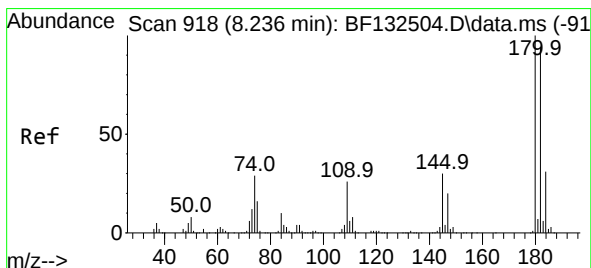
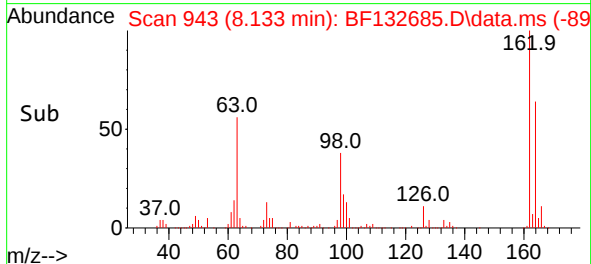
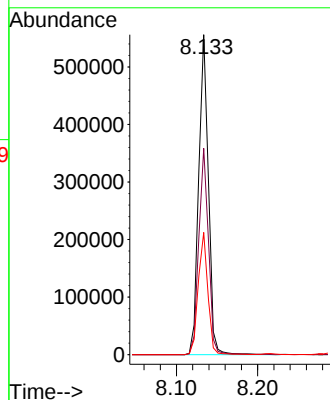
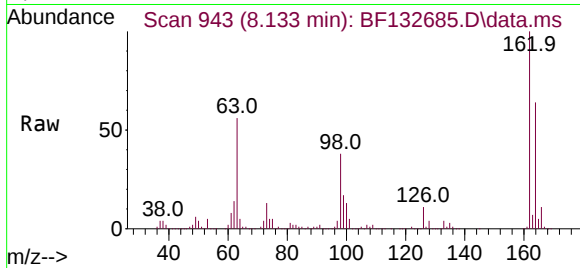
HH-TP1-0306MSD

Tgt Ion:162 Resp: 458245  
 Ion Ratio Lower Upper  
 162 100  
 164 64.5 45.3 85.3  
 98 38.2 17.9 57.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/08/2023  
 Supervised By :Jagrut Upadhyay 03/08/2023



#30

1,2,4-Trichlorobenzene

Concen: 43.527 ng

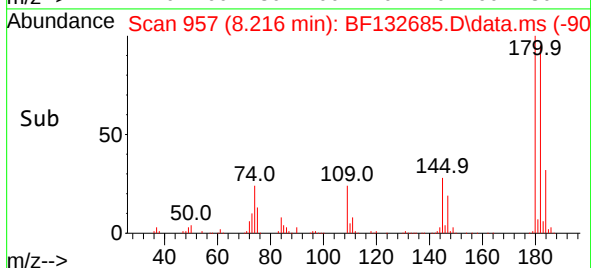
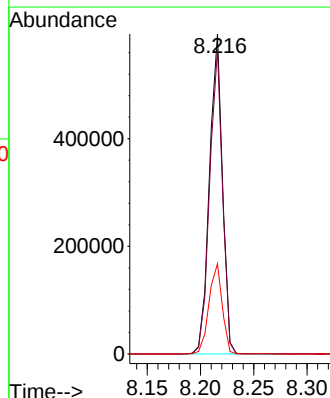
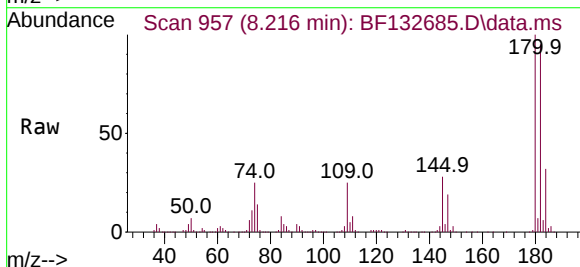
RT: 8.216 min Scan# 957

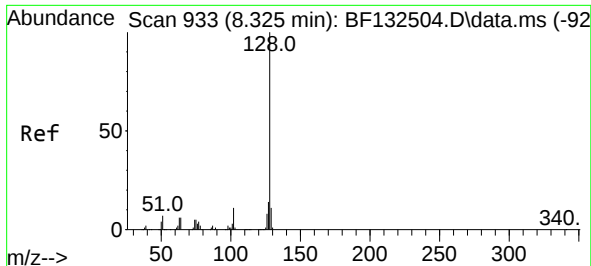
Delta R.T. -0.000 min

Lab File: BF132685.D

Acq: 07 Mar 2023 19:06

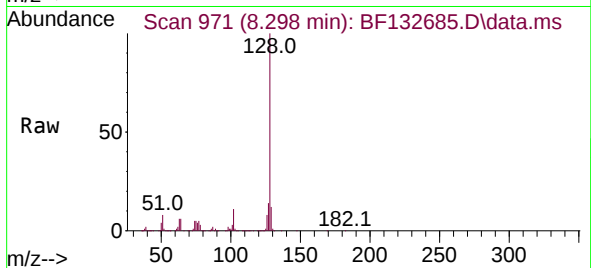
Tgt Ion:180 Resp: 502715  
 Ion Ratio Lower Upper  
 180 100  
 182 95.1 75.1 112.7  
 145 28.2 23.8 35.6





#31  
Naphthalene  
Concen: 41.784 ng  
RT: 8.298 min Scan# 911  
Delta R.T. -0.006 min  
Lab File: BF132685.D  
Acq: 07 Mar 2023 19:06

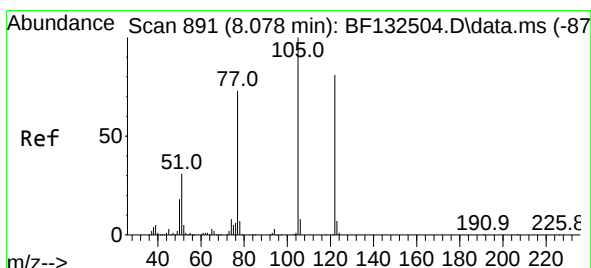
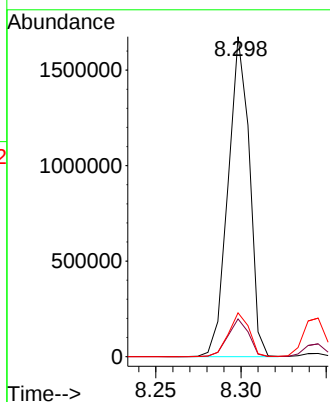
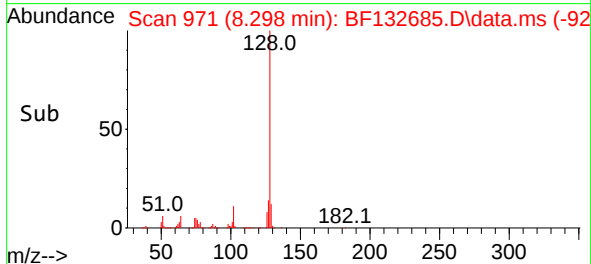
Instrument :  
BNA\_F  
ClientSampleId :  
HH-TP1-0306MSD



Tgt Ion:128 Resp: 1457017  
Ion Ratio Lower Upper  
128 100  
129 11.8 9.1 13.7  
127 13.7 11.0 16.6

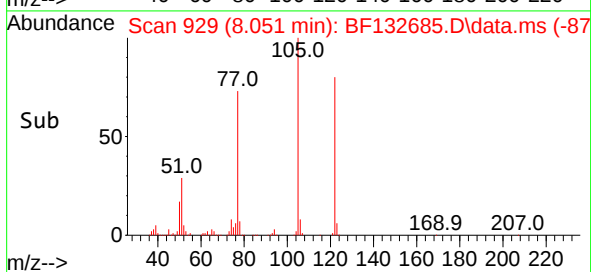
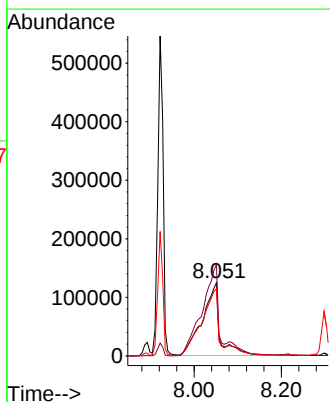
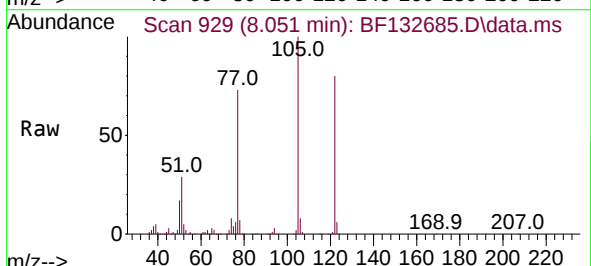
Manual Integrations  
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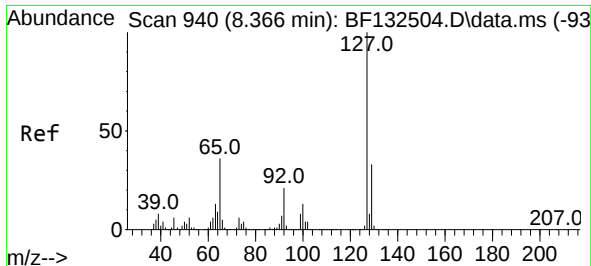
Reviewed By :Christian Giraldo 03/08/2023  
Supervised By :Jagrut Upadhyay 03/08/2023



#32  
Benzoic acid  
Concen: 42.335 ng m  
RT: 8.051 min Scan# 929  
Delta R.T. -0.006 min  
Lab File: BF132685.D  
Acq: 07 Mar 2023 19:06

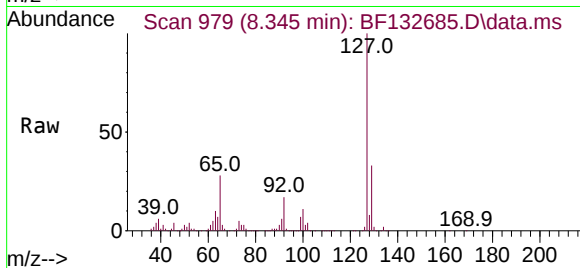
Tgt Ion:122 Resp: 352561  
Ion Ratio Lower Upper  
122 100  
105 125.3 102.6 142.6  
77 91.9 70.2 110.2





#33  
4-Chloroaniline  
Concen: 14.288 ng  
RT: 8.345 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: BF132685.D  
Acq: 07 Mar 2023 19:06

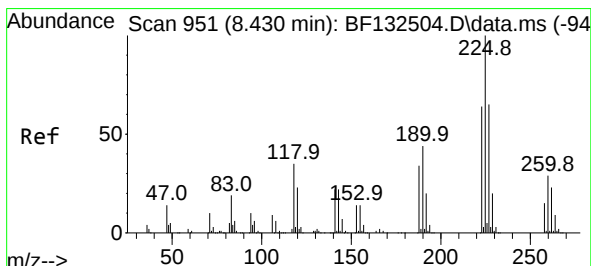
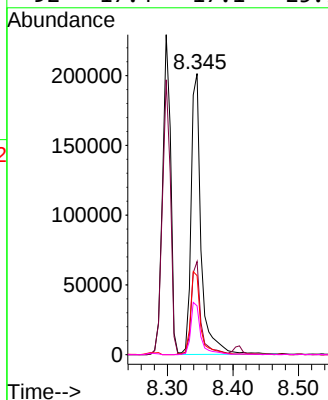
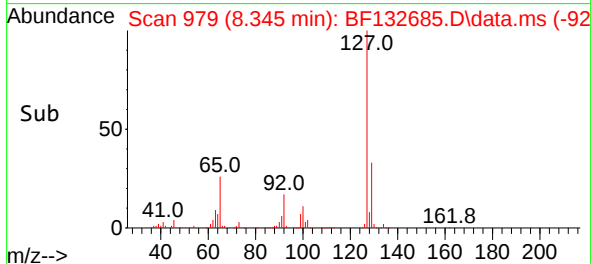
Instrument :  
BNA\_F  
ClientSampleId :  
HH-TP1-0306MSD



Tgt Ion:127 Resp: 213503  
Ion Ratio Lower Upper  
127 100  
129 33.1 26.4 39.6  
65 28.1 28.8 43.2  
92 17.4 17.1 25.7

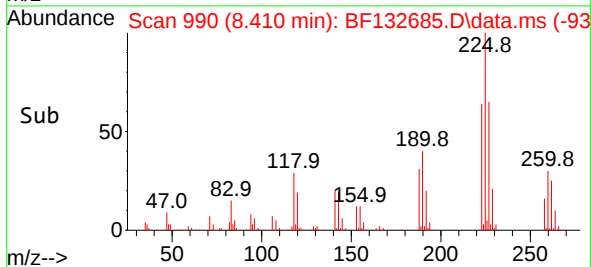
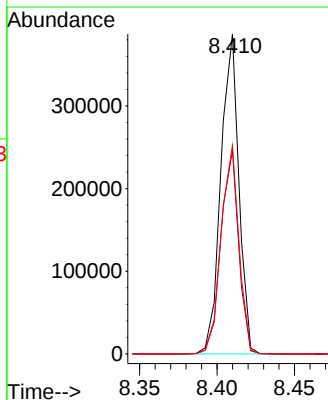
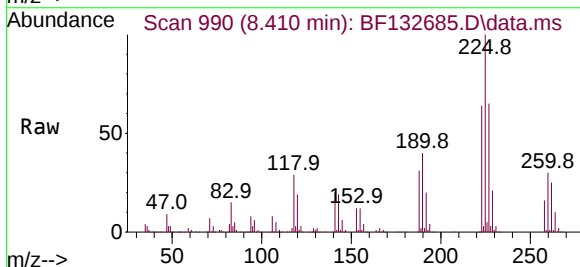
Manual Integrations  
APPROVED

Reviewed By :Christian Giraldo 03/08/2023  
Supervised By :Jagrut Upadhyay 03/08/2023



#34  
Hexachlorobutadiene  
Concen: 42.468 ng  
RT: 8.410 min Scan# 990  
Delta R.T. -0.000 min  
Lab File: BF132685.D  
Acq: 07 Mar 2023 19:06

Tgt Ion:225 Resp: 311677  
Ion Ratio Lower Upper  
225 100  
223 63.6 51.0 76.4  
227 65.1 51.7 77.5





#35

Caprolactam

Concen: 46.899 ng m

RT: 8.728 min Scan# 1044

Delta R.T. -0.006 min

Lab File: BF132685.D

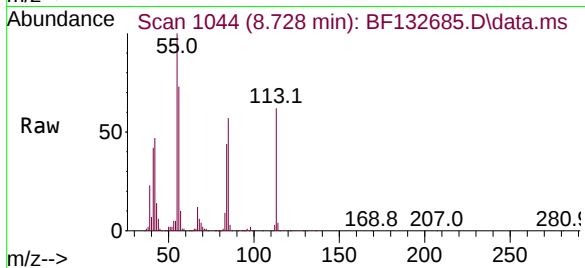
Acq: 07 Mar 2023 19:06

Instrument :

BNA\_F

ClientSampleId :

HH-TP1-0306MSD



Tgt Ion:113 Resp: 16445

Ion Ratio Lower Upper

113 100

55 160.4 149.4 189.4

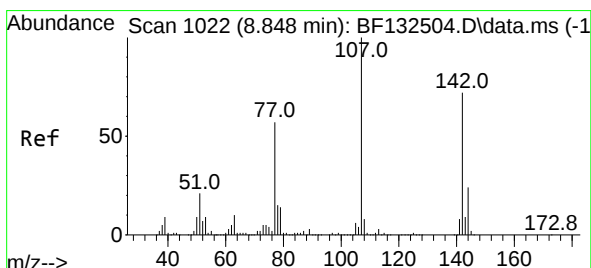
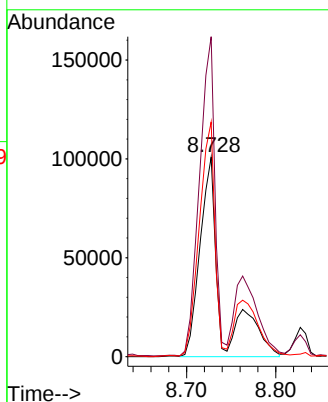
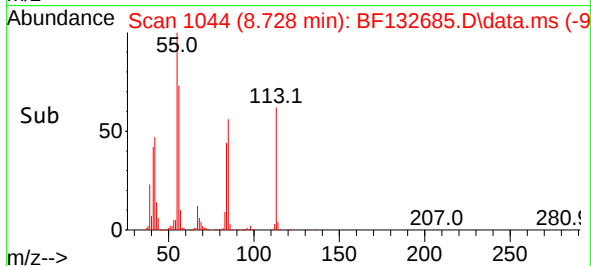
56 117.7 105.0 145.0

Manual Integrations

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Reviewed By :Christian Giraldo 03/08/2023

Supervised By :Jagrut Upadhyay 03/08/2023



#36

4-Chloro-3-methylphenol

Concen: 43.164 ng

RT: 8.828 min Scan# 1061

Delta R.T. -0.000 min

Lab File: BF132685.D

Acq: 07 Mar 2023 19:06

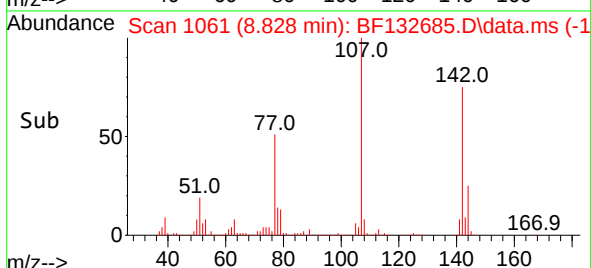
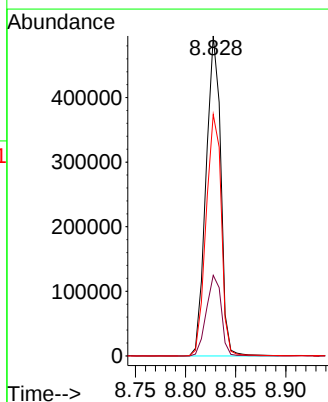
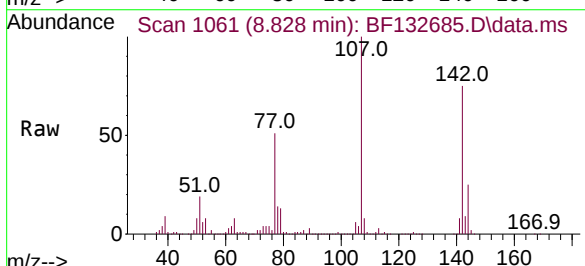
Tgt Ion:107 Resp: 504194

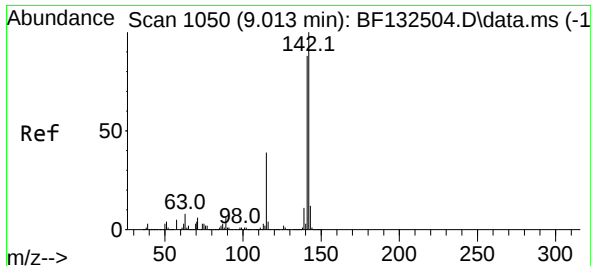
Ion Ratio Lower Upper

107 100

144 25.2 18.9 28.3

142 75.4 57.9 86.9





#37

2-Methylnaphthalene

Concen: 40.426 ng

RT: 8.992 min Scan# 1106

Delta R.T. -0.000 min

Lab File: BF132685.D

Acq: 07 Mar 2023 19:06

Instrument :

BNA\_F

ClientSampleId :

HH-TP1-0306MSD

Tgt Ion:142 Resp: 960684

Ion Ratio Lower Upper

142 100

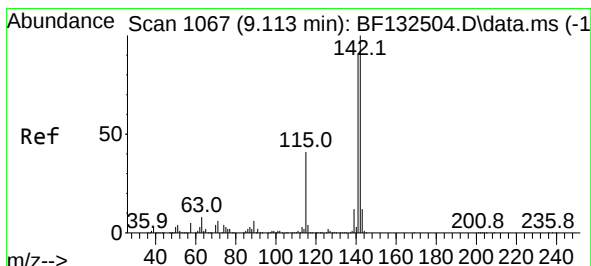
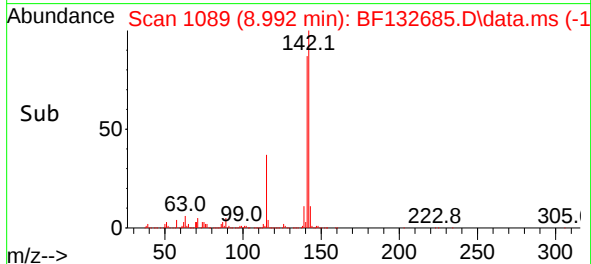
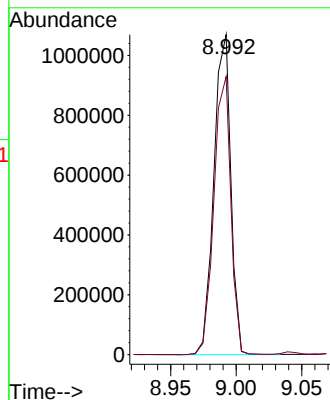
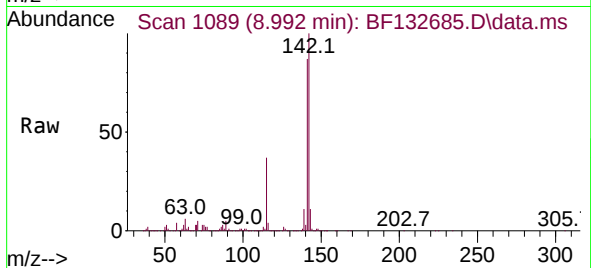
141 86.9 70.2 105.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/08/2023

Supervised By :Jagrut Upadhyay 03/08/2023



#38

1-Methylnaphthalene

Concen: 40.201 ng

RT: 9.092 min Scan# 1106

Delta R.T. -0.000 min

Lab File: BF132685.D

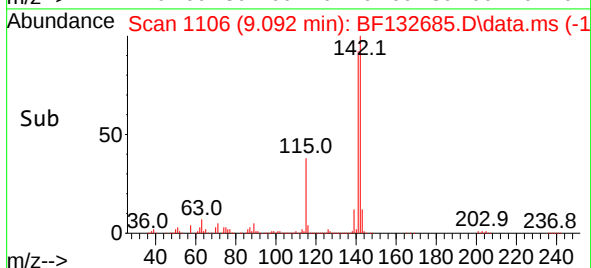
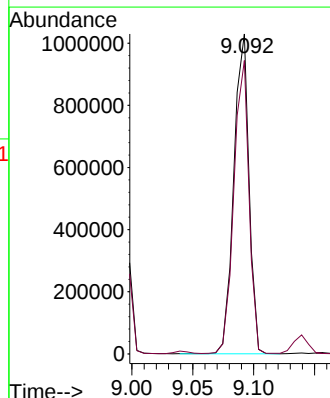
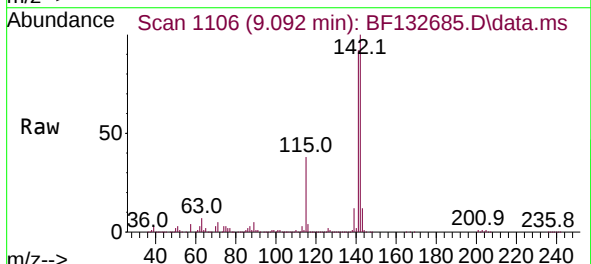
Acq: 07 Mar 2023 19:06

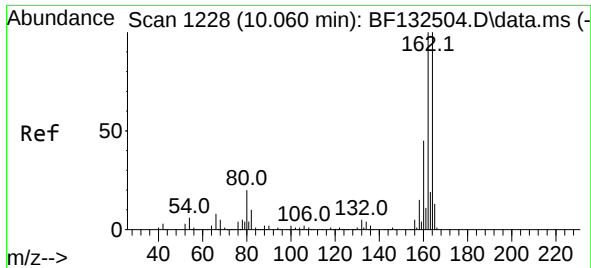
Tgt Ion:142 Resp: 892792

Ion Ratio Lower Upper

142 100

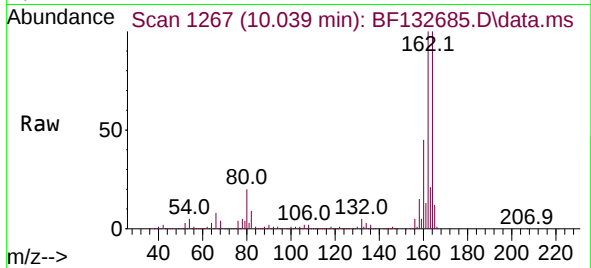
141 91.7 73.0 109.6





#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.039 min Scan# 1117  
Delta R.T. -0.000 min  
Lab File: BF132685.D  
Acq: 07 Mar 2023 19:06

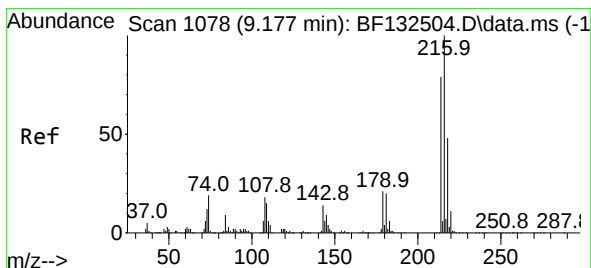
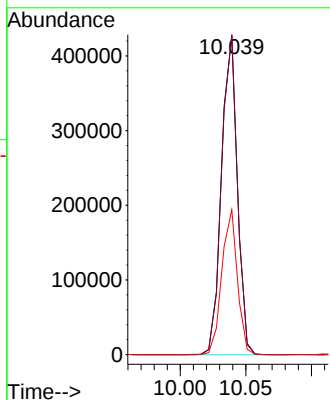
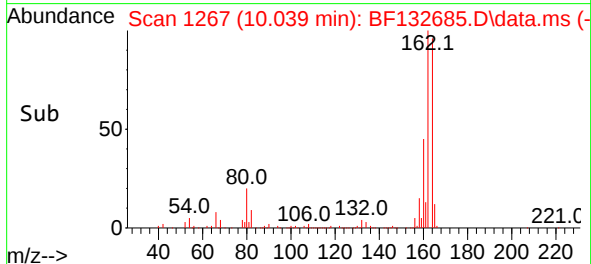
Instrument :  
BNA\_F  
ClientSampleId :  
HH-TP1-0306MSD



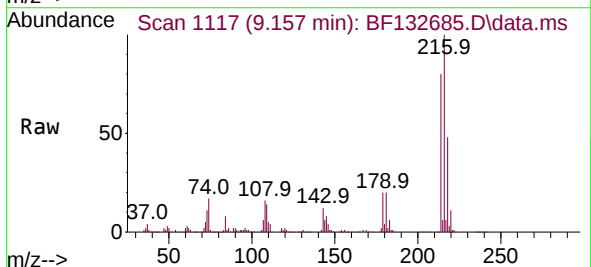
Tgt Ion:164 Resp: 359553  
Ion Ratio Lower Upper  
164 100  
162 100.4 79.8 119.8  
160 45.4 35.8 53.6

Manual Integrations  
APPROVED

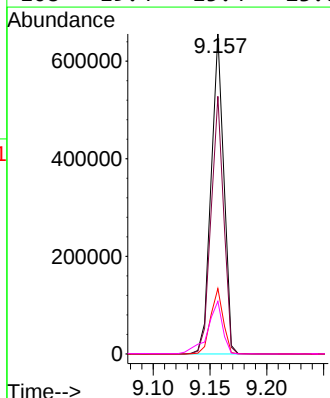
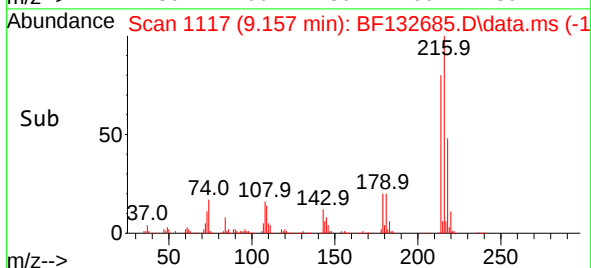
Reviewed By :Christian Giraldo 03/08/2023  
Supervised By :Jagrut Upadhyay 03/08/2023

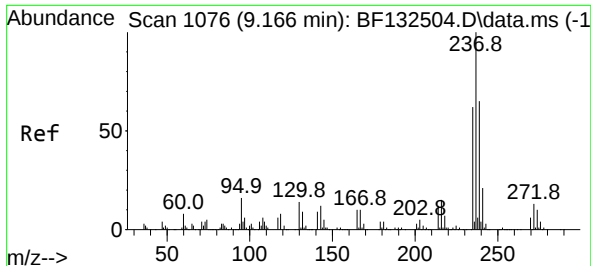


#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 43.405 ng  
RT: 9.157 min Scan# 1117  
Delta R.T. -0.000 min  
Lab File: BF132685.D  
Acq: 07 Mar 2023 19:06



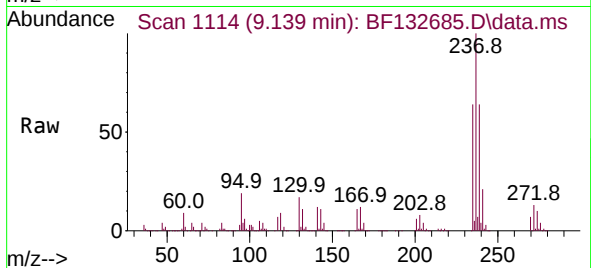
Tgt Ion:216 Resp: 510604  
Ion Ratio Lower Upper  
216 100  
214 79.7 63.0 94.6  
179 20.2 16.6 24.8  
108 19.4 15.4 23.0





#41  
Hexachlorocyclopentadiene  
Concen: 71.639 ng  
RT: 9.139 min Scan# 1114  
Delta R.T. -0.000 min  
Lab File: BF132685.D  
Acq: 07 Mar 2023 19:06

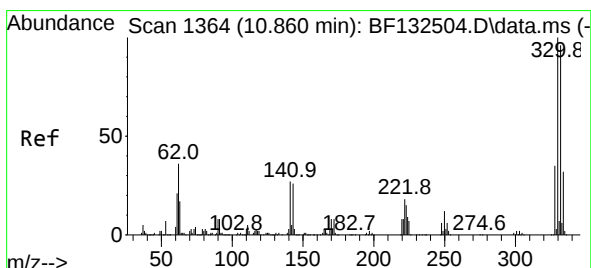
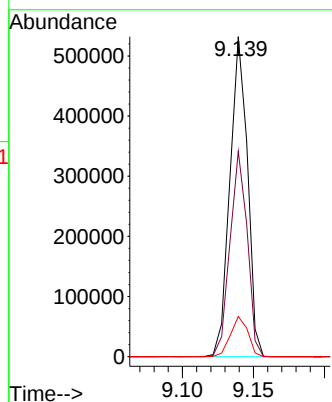
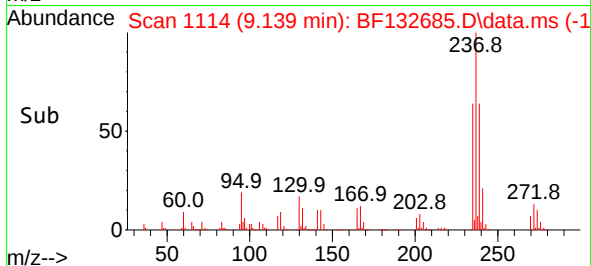
Instrument :  
BNA\_F  
ClientSampleId :  
HH-TP1-0306MSD



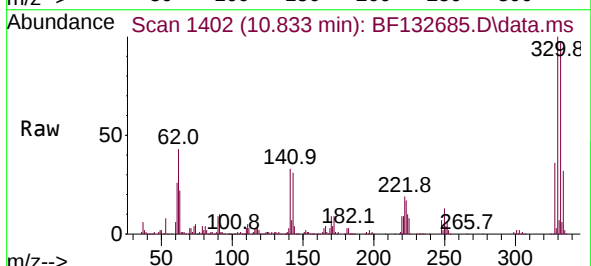
Tgt Ion: 237 Resp: 457092  
Ion Ratio Lower Upper  
237 100  
235 64.2 42.4 82.4  
272 12.5 0.0 32.7

Manual Integrations  
APPROVED

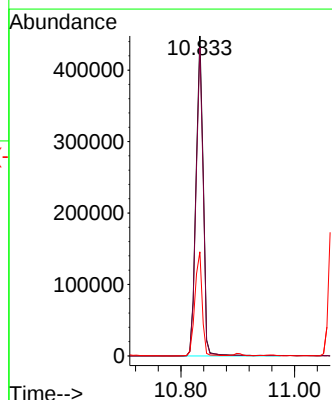
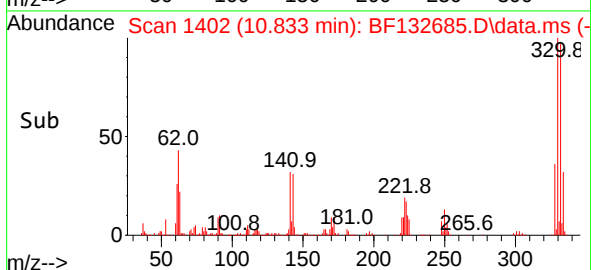
Reviewed By : Christian Giraldo 03/08/2023  
Supervised By : Jagrut Upadhyay 03/08/2023

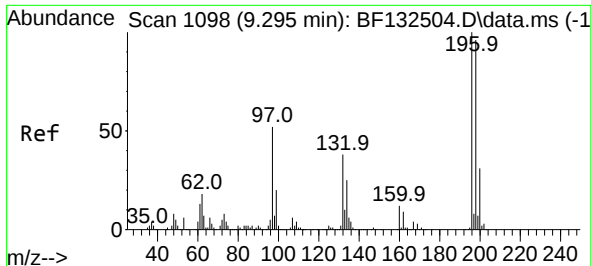


#42  
2,4,6-Tribromophenol  
Concen: 100.805 ng  
RT: 10.833 min Scan# 1402  
Delta R.T. -0.000 min  
Lab File: BF132685.D  
Acq: 07 Mar 2023 19:06



Tgt Ion: 330 Resp: 391429  
Ion Ratio Lower Upper  
330 100  
332 95.8 76.2 114.4  
141 32.9 28.4 42.6





#43

2,4,6-Trichlorophenol

Concen: 43.745 ng

RT: 9.269 min Scan# 1136

Delta R.T. -0.000 min

Lab File: BF132685.D

Acq: 07 Mar 2023 19:06

Instrument :

BNA\_F

ClientSampleId :

HH-TP1-0306MSD

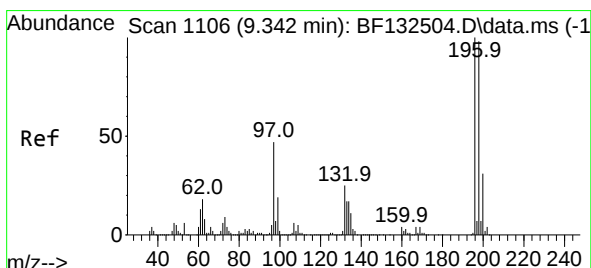
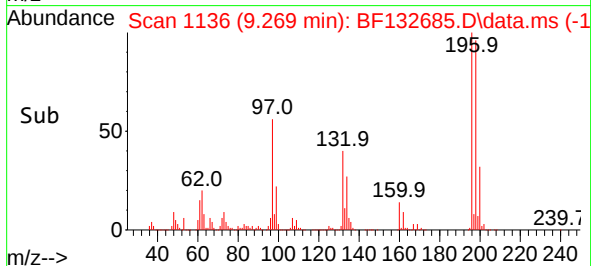
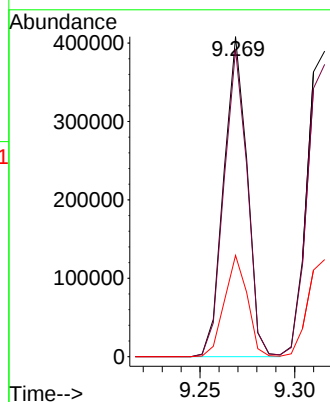
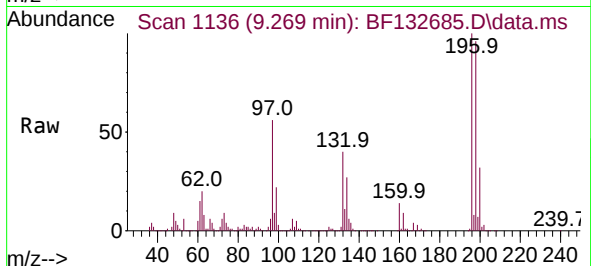
Tgt Ion:196 Resp: 34874

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 196 | 100   |       |       |
| 198 | 96.0  | 77.1  | 115.7 |
| 200 | 31.6  | 25.0  | 37.4  |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/08/2023  
Supervised By :Jagrut Upadhyay 03/08/2023



#44

2,4,5-Trichlorophenol

Concen: 39.639 ng

RT: 9.316 min Scan# 1144

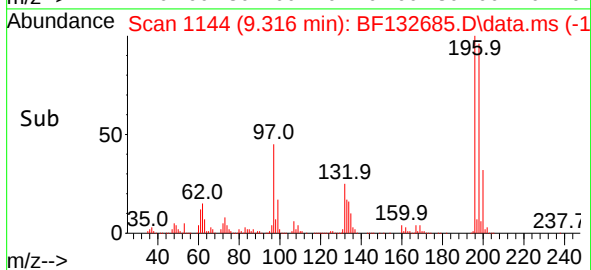
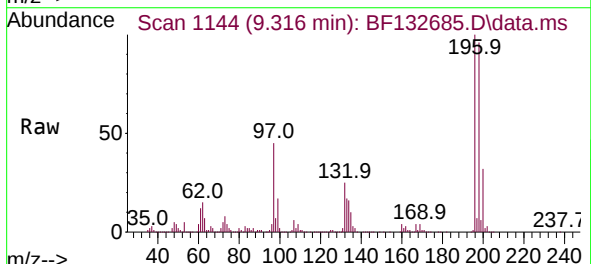
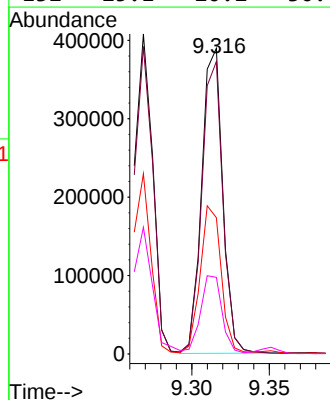
Delta R.T. 0.006 min

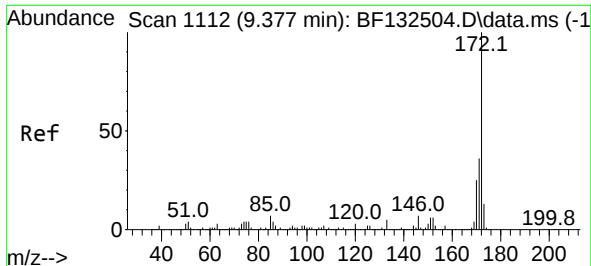
Lab File: BF132685.D

Acq: 07 Mar 2023 19:06

Tgt Ion:196 Resp: 368828

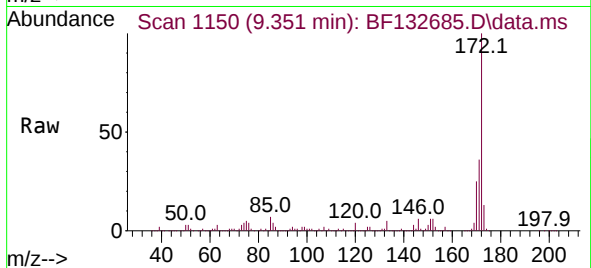
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 196 | 100   |       |       |
| 198 | 95.6  | 78.3  | 117.5 |
| 97  | 44.6  | 38.1  | 57.1  |
| 132 | 25.1  | 20.2  | 30.4  |





#45  
2-Fluorobiphenyl  
Concen: 60.594 ng  
RT: 9.351 min Scan# 1112  
Delta R.T. -0.006 min  
Lab File: BF132685.D  
Acq: 07 Mar 2023 19:06

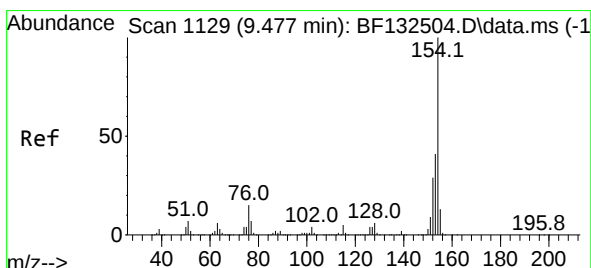
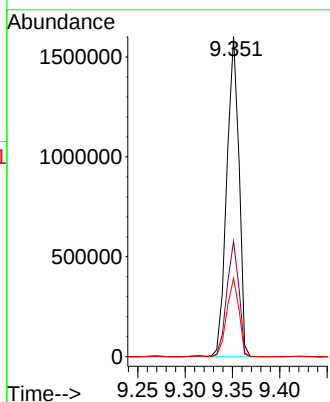
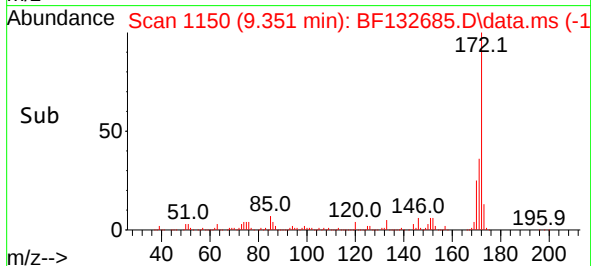
Instrument :  
BNA\_F  
ClientSampleId :  
HH-TP1-0306MSD



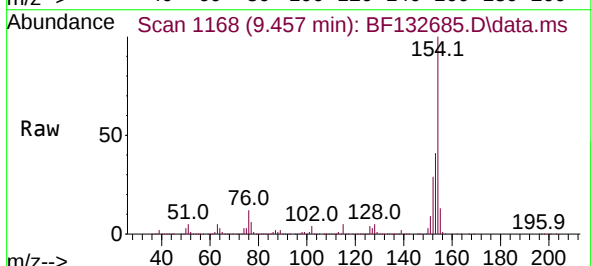
Tgt Ion:172 Resp: 1430823  
Ion Ratio Lower Upper  
172 100  
171 36.1 28.8 43.2  
170 24.5 19.7 29.5

Manual Integrations  
APPROVED

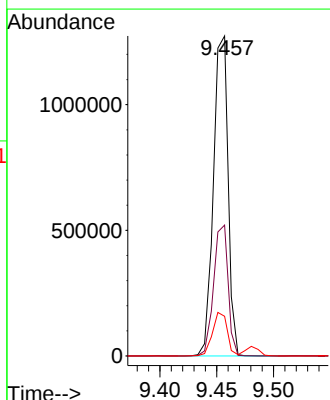
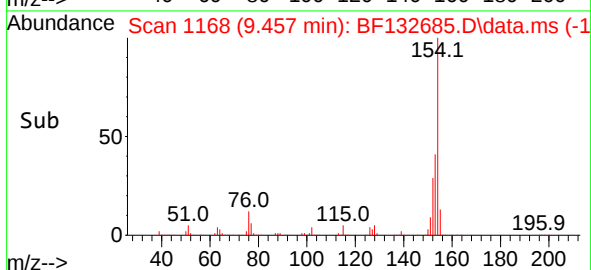
Reviewed By :Christian Giraldo 03/08/2023  
Supervised By :Jagrut Upadhyay 03/08/2023

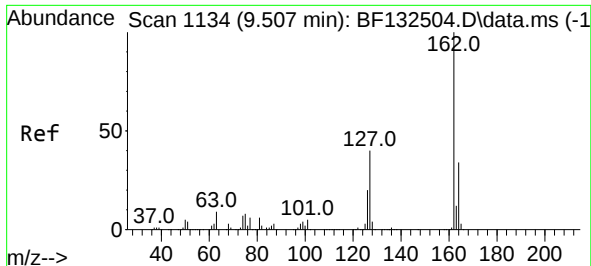


#46  
1,1'-Biphenyl  
Concen: 42.015 ng  
RT: 9.457 min Scan# 1168  
Delta R.T. -0.000 min  
Lab File: BF132685.D  
Acq: 07 Mar 2023 19:06



Tgt Ion:154 Resp: 1143402  
Ion Ratio Lower Upper  
154 100  
153 40.9 20.9 60.9  
76 12.4 0.0 34.7





#47

2-Chloronaphthalene

Concen: 43.535 ng

RT: 9.480 min Scan# 1134

Delta R.T. -0.006 min

Lab File: BF132685.D

Acq: 07 Mar 2023 19:06

Instrument :

BNA\_F

ClientSampleId :

HH-TP1-0306MSD

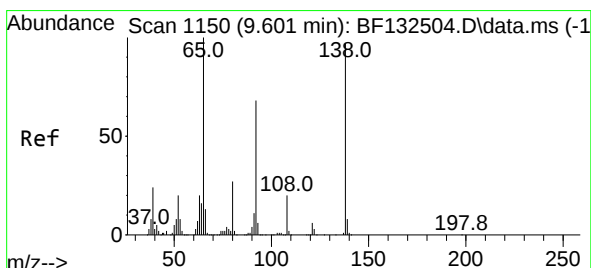
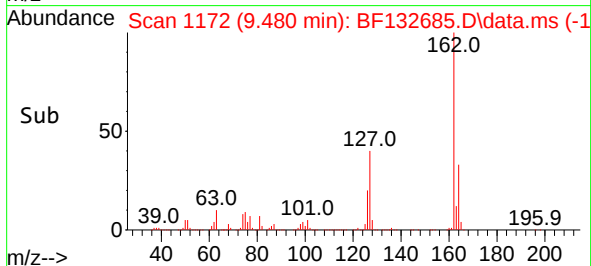
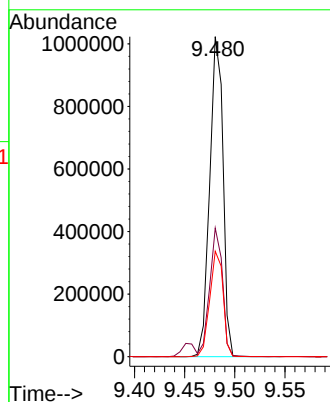
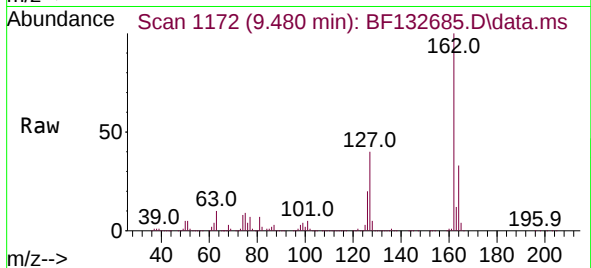
Tgt Ion:162 Resp: 939336

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 162 | 100   |       |       |
| 127 | 40.2  | 32.3  | 48.5  |
| 164 | 32.9  | 26.9  | 40.3  |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/08/2023  
Supervised By :Jagrut Upadhyay 03/08/2023



#48

2-Nitroaniline

Concen: 40.055 ng

RT: 9.580 min Scan# 1189

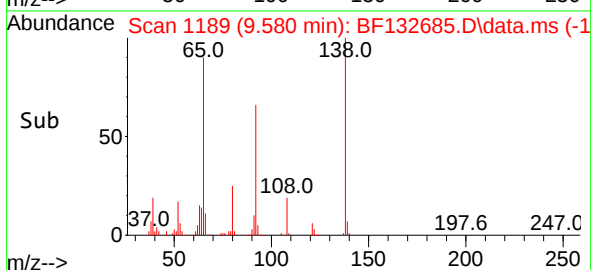
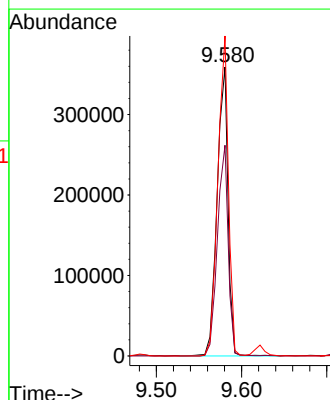
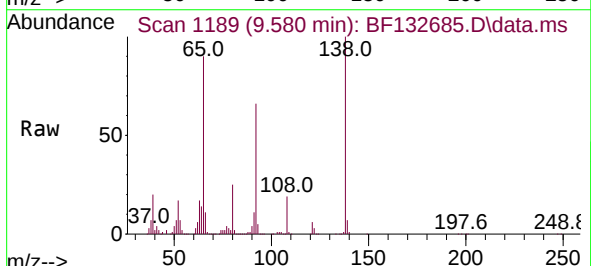
Delta R.T. -0.000 min

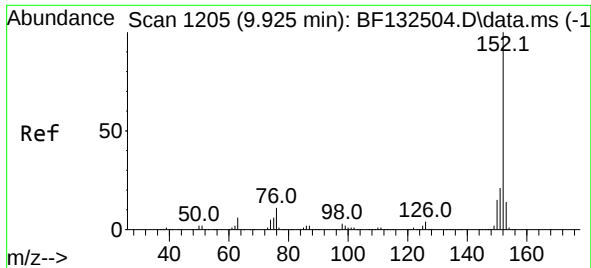
Lab File: BF132685.D

Acq: 07 Mar 2023 19:06

Tgt Ion: 65 Resp: 318307

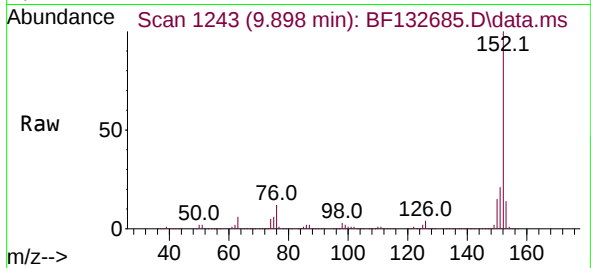
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 92  | 72.9  | 54.5  | 81.7  |
| 138 | 110.8 | 77.2  | 115.8 |





#49  
Acenaphthylene  
Concen: 42.249 ng  
RT: 9.898 min Scan# 1219  
Delta R.T. -0.006 min  
Lab File: BF132685.D  
Acq: 07 Mar 2023 19:06

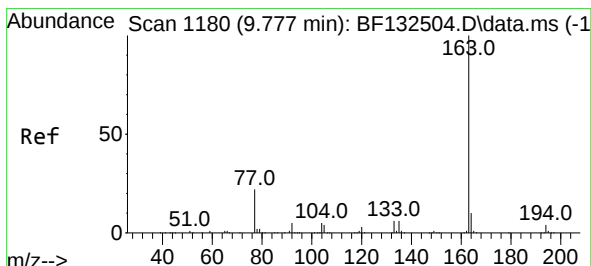
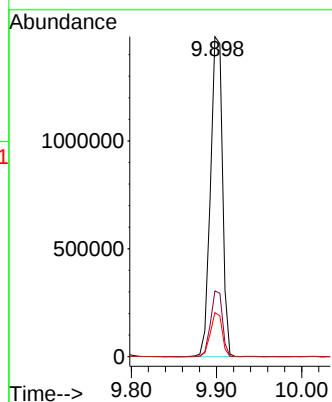
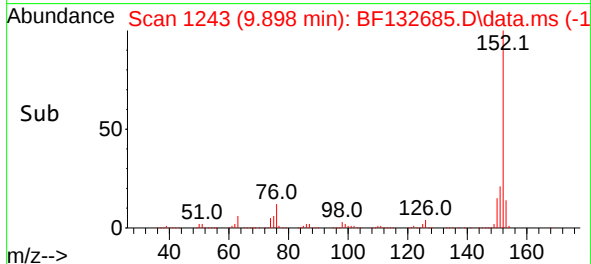
Instrument :  
BNA\_F  
ClientSampleId :  
HH-TP1-0306MSD



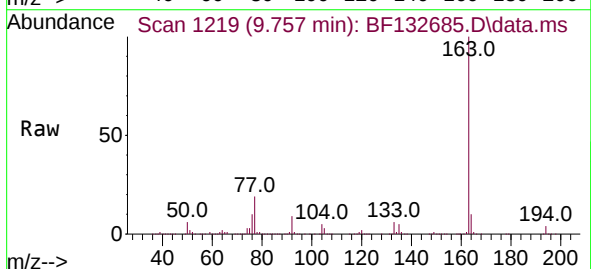
Tgt Ion:152 Resp: 1450789  
Ion Ratio Lower Upper  
152 100  
151 20.5 16.4 24.6  
153 13.8 11.0 16.6

Manual Integrations  
APPROVED

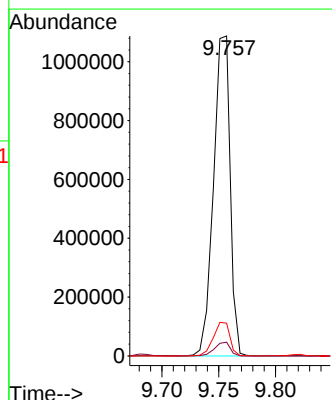
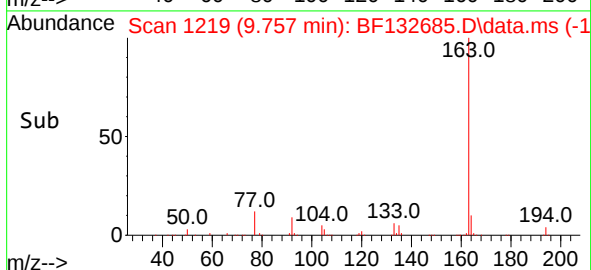
Reviewed By :Christian Giraldo 03/08/2023  
Supervised By :Jagrut Upadhyay 03/08/2023

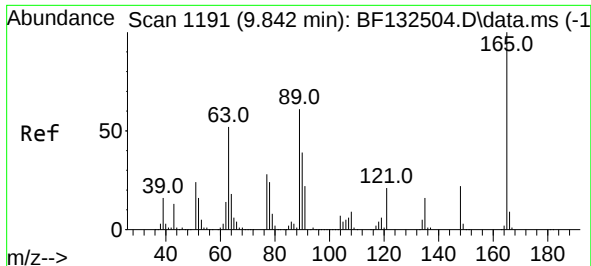


#50  
Dimethylphthalate  
Concen: 42.355 ng  
RT: 9.757 min Scan# 1219  
Delta R.T. -0.000 min  
Lab File: BF132685.D  
Acq: 07 Mar 2023 19:06



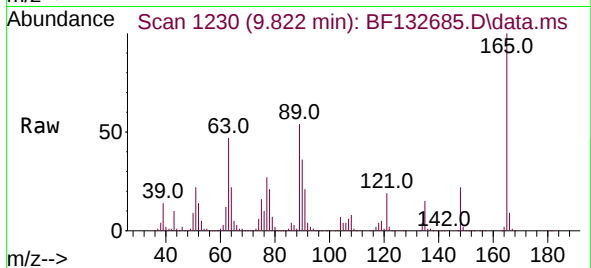
Tgt Ion:163 Resp: 1108843  
Ion Ratio Lower Upper  
163 100  
194 4.3 3.3 4.9  
164 10.2 8.3 12.5





#51  
2,6-Dinitrotoluene  
Concen: 43.396 ng  
RT: 9.822 min Scan# 1191  
Delta R.T. -0.000 min  
Lab File: BF132685.D  
Acq: 07 Mar 2023 19:06

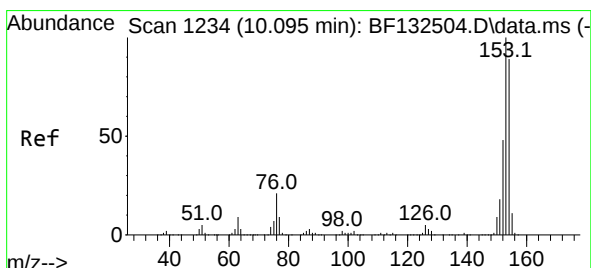
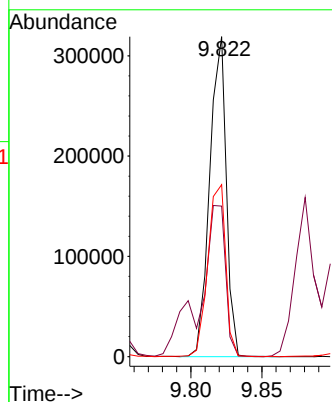
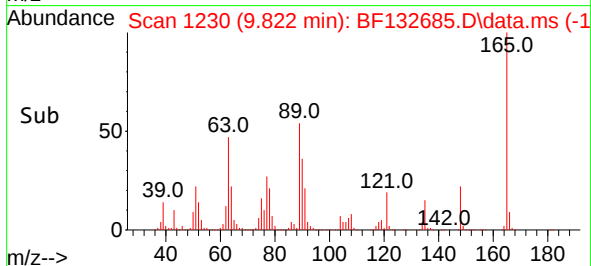
Instrument :  
BNA\_F  
ClientSampleId :  
HH-TP1-0306MSD



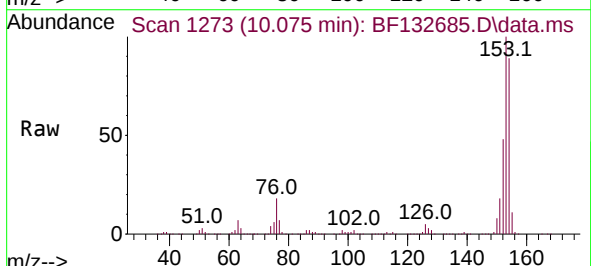
Tgt Ion:165 Resp: 258734  
Ion Ratio Lower Upper  
165 100  
63 47.0 47.3 70.9  
89 53.7 48.9 73.3

Manual Integrations  
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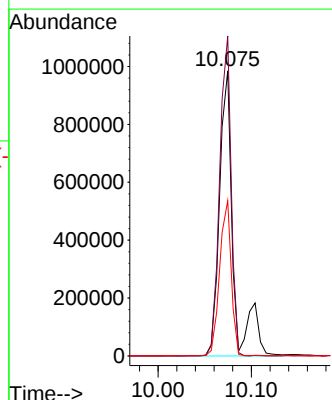
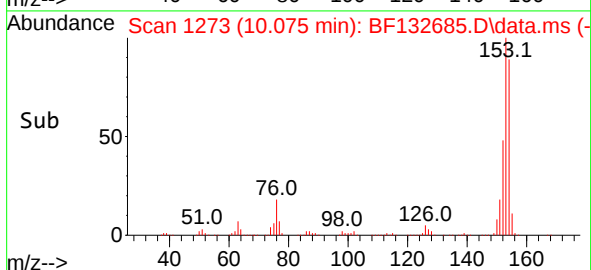
Reviewed By :Christian Giraldo 03/08/2023  
Supervised By :Jagrut Upadhyay 03/08/2023

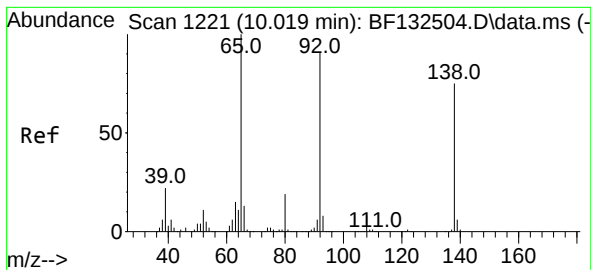


#52  
Acenaphthene  
Concen: 46.486 ng m  
RT: 10.075 min Scan# 1273  
Delta R.T. -0.000 min  
Lab File: BF132685.D  
Acq: 07 Mar 2023 19:06



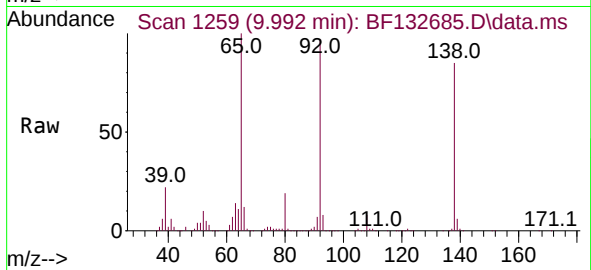
Tgt Ion:154 Resp: 1013637  
Ion Ratio Lower Upper  
154 100  
153 112.3 89.8 134.8  
152 54.4 43.3 64.9





#53  
3-Nitroaniline  
Concen: 28.712 ng  
RT: 9.992 min Scan# 1259  
Delta R.T. -0.006 min  
Lab File: BF132685.D  
Acq: 07 Mar 2023 19:06

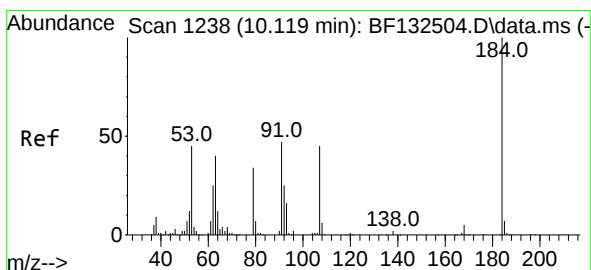
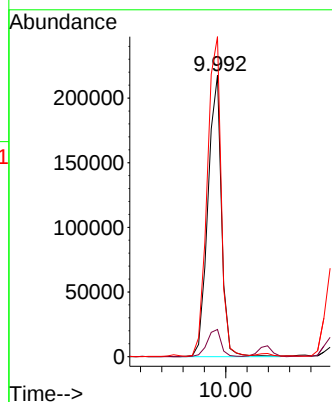
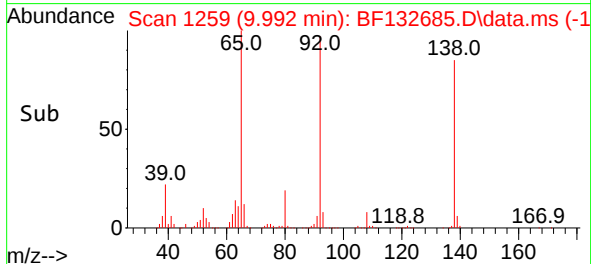
Instrument :  
BNA\_F  
ClientSampleId :  
HH-TP1-0306MSD



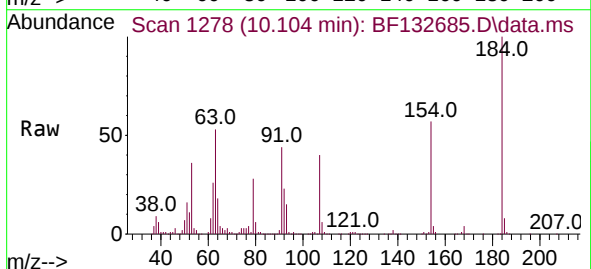
Tgt Ion:138 Resp: 191495  
Ion Ratio Lower Upper  
138 100  
108 9.6 8.1 12.1  
92 113.8 97.2 145.8

Manual Integrations  
APPROVED

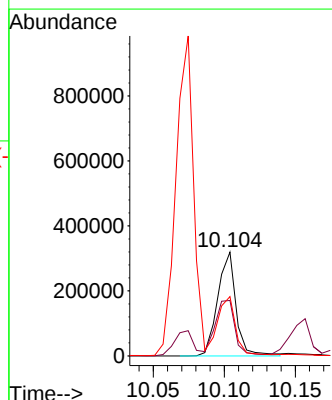
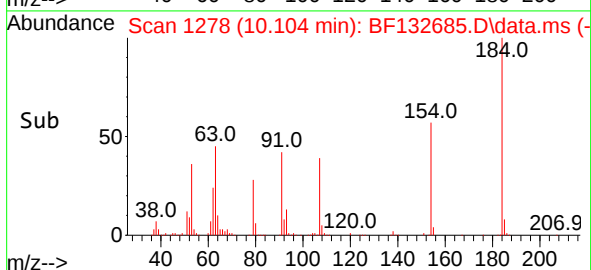
Reviewed By :Christian Giraldo 03/08/2023  
Supervised By :Jagrut Upadhyay 03/08/2023

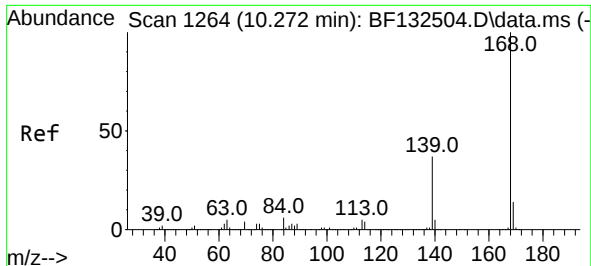


#54  
2,4-Dinitrophenol  
Concen: 76.847 ng  
RT: 10.104 min Scan# 1278  
Delta R.T. -0.000 min  
Lab File: BF132685.D  
Acq: 07 Mar 2023 19:06



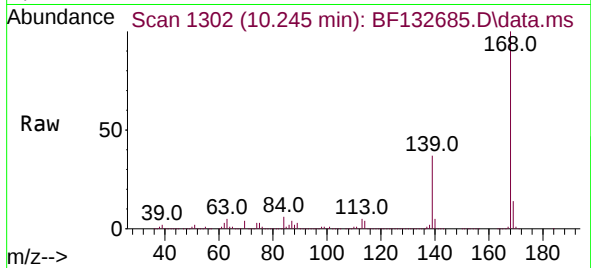
Tgt Ion:184 Resp: 288449  
Ion Ratio Lower Upper  
184 100  
63 53.5 51.4 77.2  
154 57.2 48.3 72.5





#55  
Dibenzenofuran  
Concen: 41.476 ng  
RT: 10.245 min Scan# 1318  
Delta R.T. -0.000 min  
Lab File: BF132685.D  
Acq: 07 Mar 2023 19:06

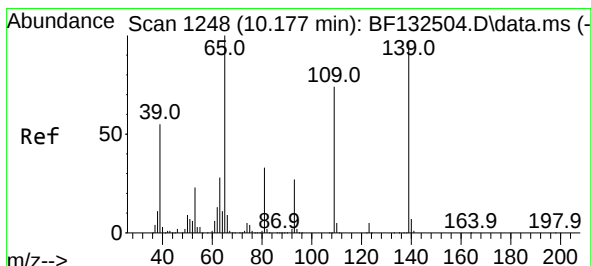
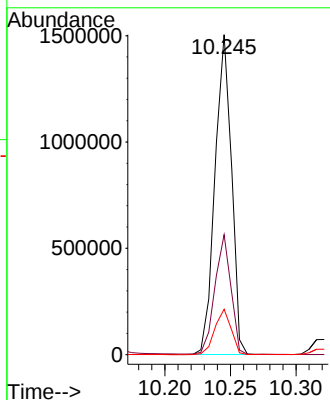
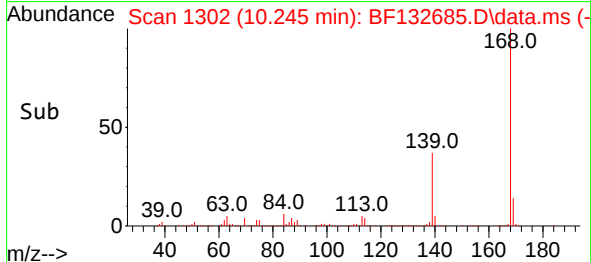
Instrument :  
BNA\_F  
ClientSampleId :  
HH-TP1-0306MSD



Tgt Ion:168 Resp: 1318465  
Ion Ratio Lower Upper  
168 100  
139 37.5 29.8 44.6  
169 14.2 10.9 16.3

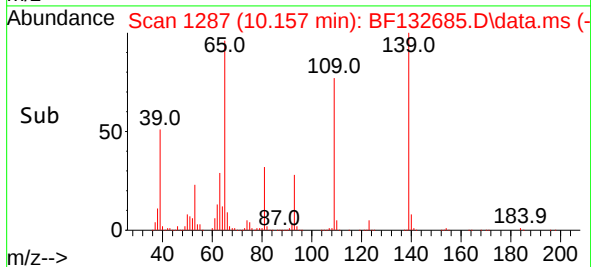
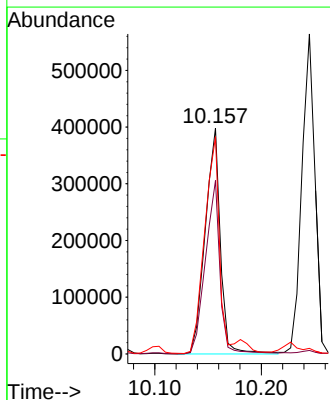
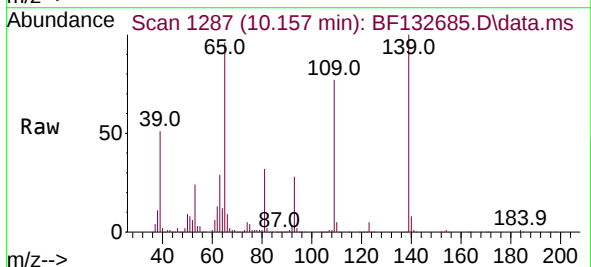
Manual Integrations  
APPROVED

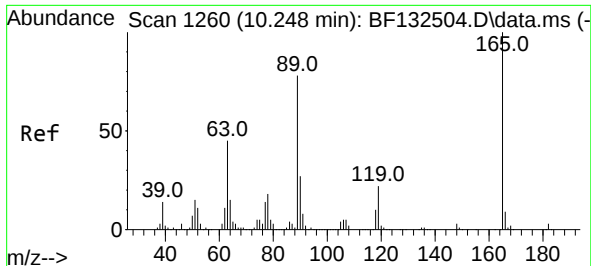
Reviewed By :Christian Giraldo 03/08/2023  
Supervised By :Jagrut Upadhyay 03/08/2023



#56  
4-Nitrophenol  
Concen: 79.203 ng  
RT: 10.157 min Scan# 1287  
Delta R.T. 0.006 min  
Lab File: BF132685.D  
Acq: 07 Mar 2023 19:06

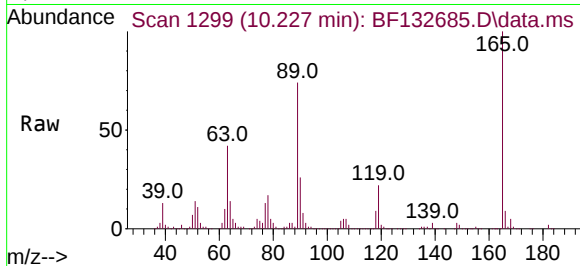
Tgt Ion:139 Resp: 393945  
Ion Ratio Lower Upper  
139 100  
109 76.8 56.7 96.7  
65 96.2 83.5 123.5





#57  
2,4-Dinitrotoluene  
Concen: 43.774 ng  
RT: 10.227 min Scan# 1361  
Delta R.T. -0.000 min  
Lab File: BF132685.D  
Acq: 07 Mar 2023 19:06

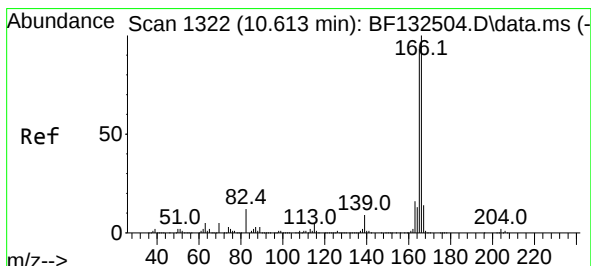
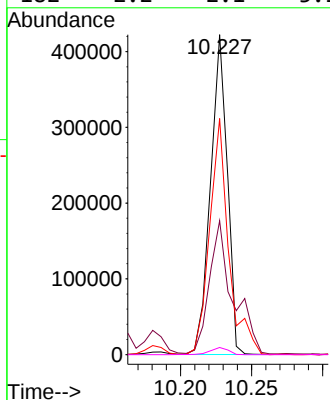
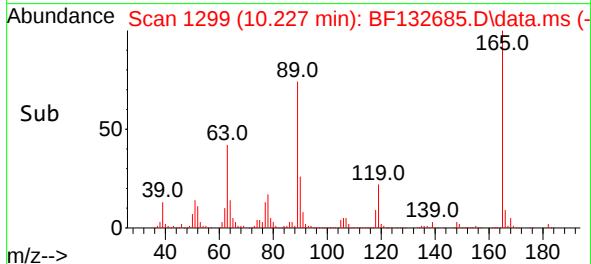
Instrument :  
BNA\_F  
ClientSampleId :  
HH-TP1-0306MSD



Tgt Ion:165 Resp: 347214  
Ion Ratio Lower Upper  
165 100  
63 41.8 36.5 54.7  
89 73.8 62.4 93.6  
182 2.2 2.1 3.1

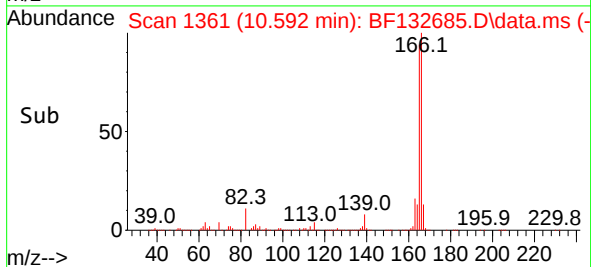
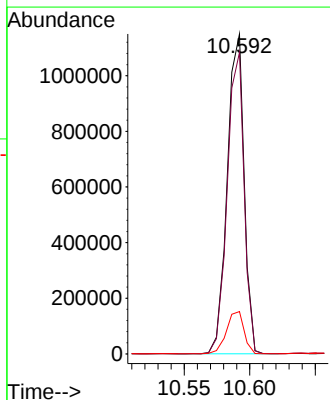
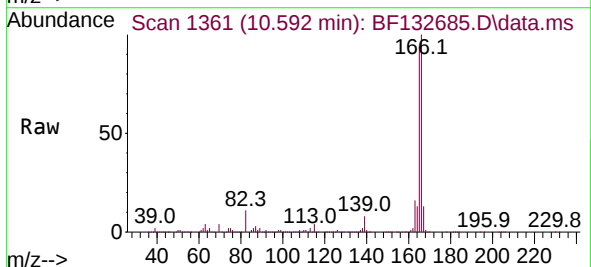
Manual Integrations  
APPROVED

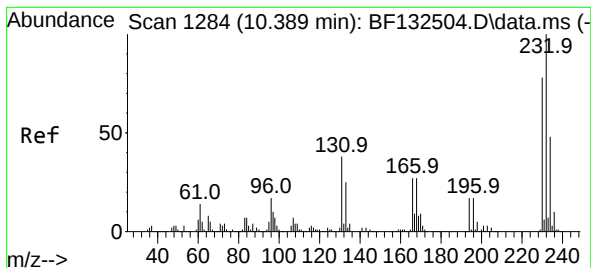
Reviewed By :Christian Giraldo 03/08/2023  
Supervised By :Jagrut Upadhyay 03/08/2023



#58  
Fluorene  
Concen: 42.508 ng  
RT: 10.592 min Scan# 1361  
Delta R.T. -0.000 min  
Lab File: BF132685.D  
Acq: 07 Mar 2023 19:06

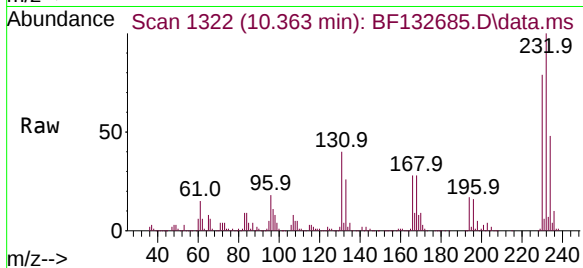
Tgt Ion:166 Resp: 1033578  
Ion Ratio Lower Upper  
166 100  
165 94.2 74.2 111.4  
167 13.2 11.1 16.7





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 44.013 ng  
RT: 10.363 min Scan# 1322  
Delta R.T. -0.000 min  
Lab File: BF132685.D  
Acq: 07 Mar 2023 19:06

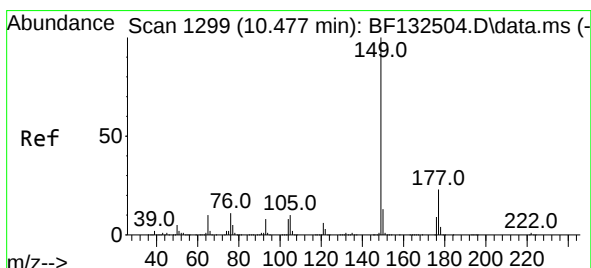
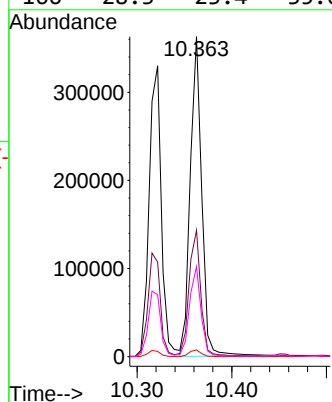
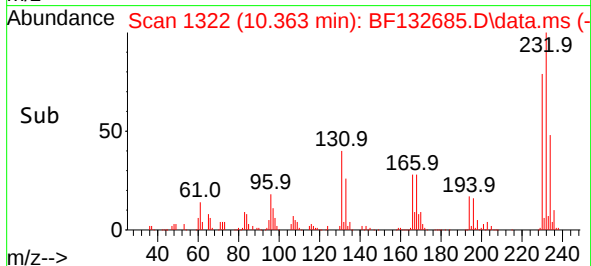
Instrument :  
BNA\_F  
ClientSampleId :  
HH-TP1-0306MSD



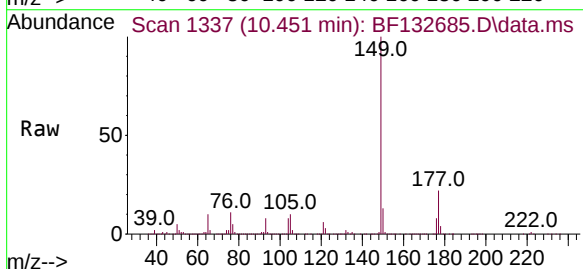
Tgt Ion:232 Resp: 304214  
Ion Ratio Lower Upper  
232 100  
131 40.5 33.8 50.8  
130 2.2 1.7 2.5  
166 28.3 23.4 35.0

Manual Integrations  
APPROVED

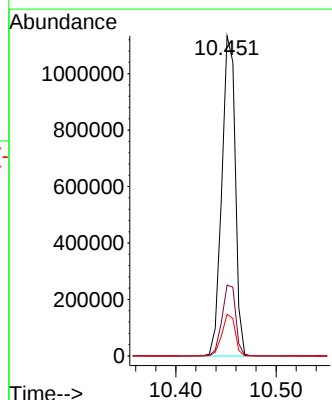
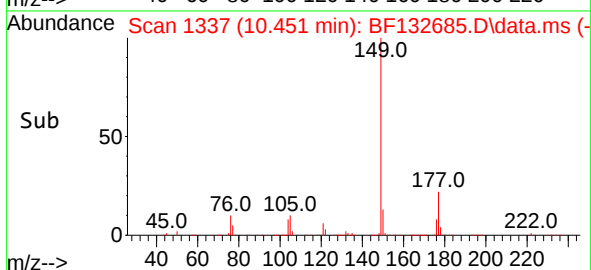
Reviewed By :Christian Giraldo 03/08/2023  
Supervised By :Jagrut Upadhyay 03/08/2023

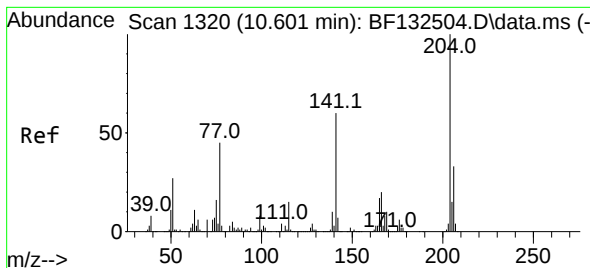


#60  
Diethylphthalate  
Concen: 41.473 ng  
RT: 10.451 min Scan# 1337  
Delta R.T. -0.006 min  
Lab File: BF132685.D  
Acq: 07 Mar 2023 19:06



Tgt Ion:149 Resp: 1060406  
Ion Ratio Lower Upper  
149 100  
177 22.1 18.1 27.1  
150 13.1 10.2 15.2





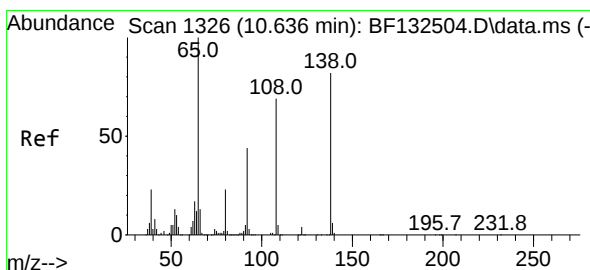
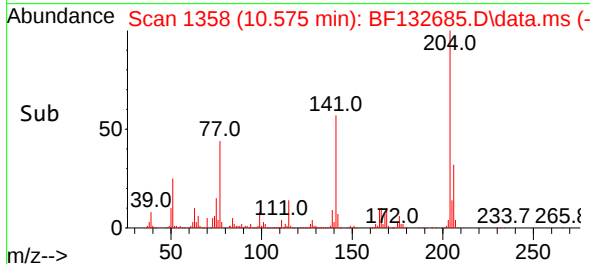
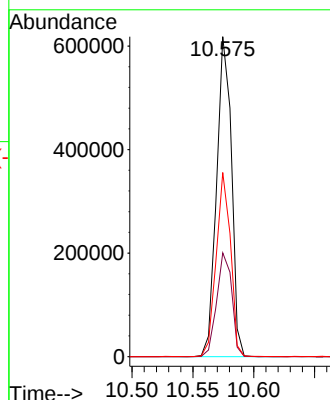
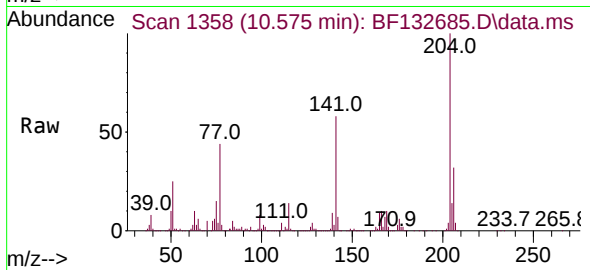
#61  
4-Chlorophenyl-phenylether  
Concen: 41.439 ng  
RT: 10.575 min Scan# 1318  
Delta R.T. -0.006 min  
Lab File: BF132685.D  
Acq: 07 Mar 2023 19:06

Instrument :  
BNA\_F  
ClientSampleId :  
HH-TP1-0306MSD

Tgt Ion:204 Resp: 522708  
Ion Ratio Lower Upper  
204 100  
206 32.4 26.3 39.5  
141 57.5 47.8 71.8

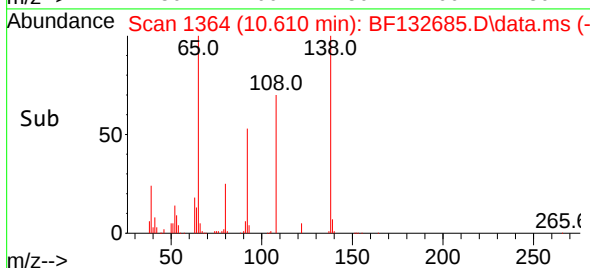
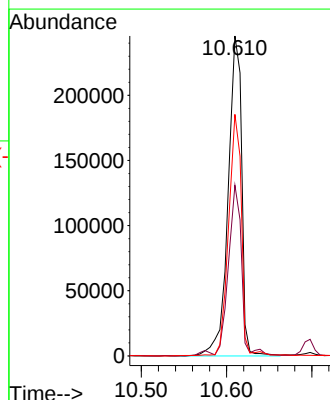
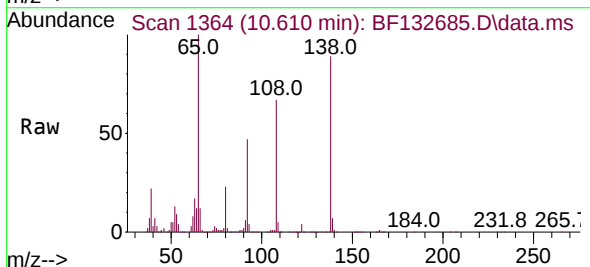
Manual Integrations  
APPROVED

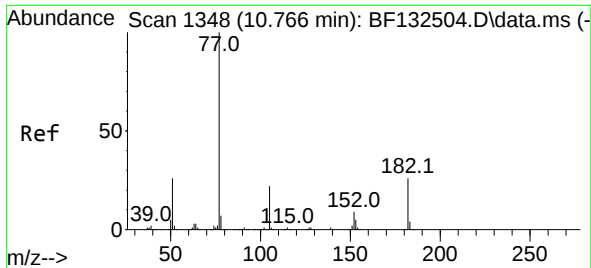
Reviewed By :Christian Giraldo 03/08/2023  
Supervised By :Jagrut Upadhyay 03/08/2023



#62  
4-Nitroaniline  
Concen: 41.419 ng  
RT: 10.610 min Scan# 1364  
Delta R.T. -0.006 min  
Lab File: BF132685.D  
Acq: 07 Mar 2023 19:06

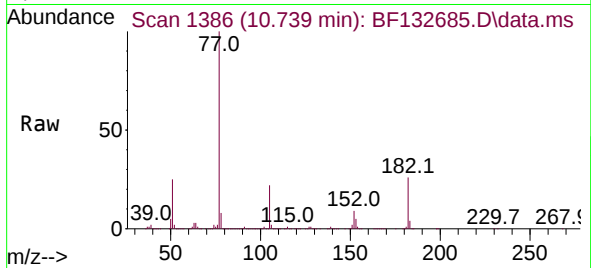
Tgt Ion:138 Resp: 271165  
Ion Ratio Lower Upper  
138 100  
92 53.3 33.8 73.8  
108 75.5 63.7 103.7





#63  
Azobenzene  
Concen: 41.599 ng  
RT: 10.739 min Scan# 1348  
Delta R.T. -0.000 min  
Lab File: BF132685.D  
Acq: 07 Mar 2023 19:06

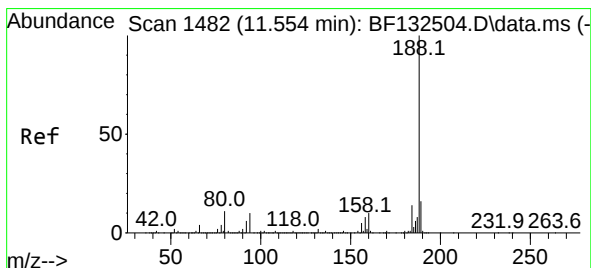
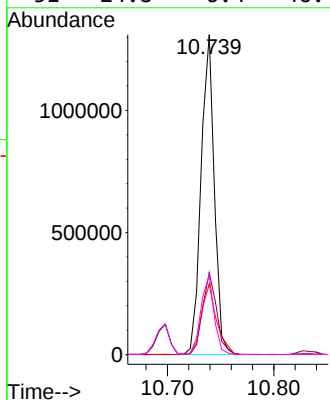
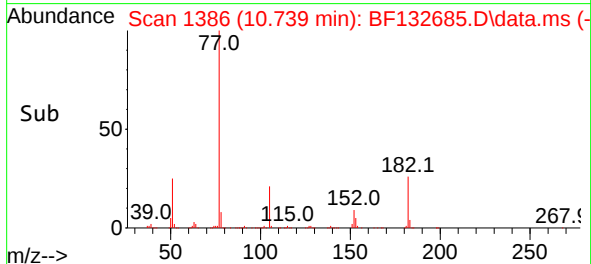
Instrument :  
BNA\_F  
ClientSampleId :  
HH-TP1-0306MSD



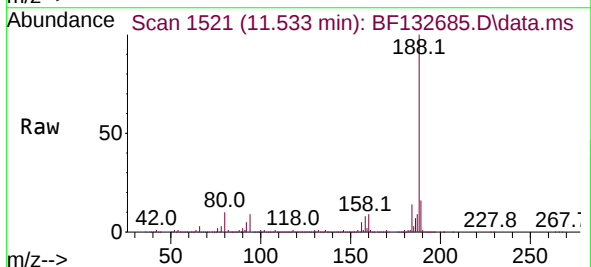
Tgt Ion: 77 Resp: 1126452  
Ion Ratio Lower Upper  
77 100  
182 25.6 5.5 45.5  
105 22.0 1.8 41.8  
51 24.8 6.4 46.4

Manual Integrations  
APPROVED

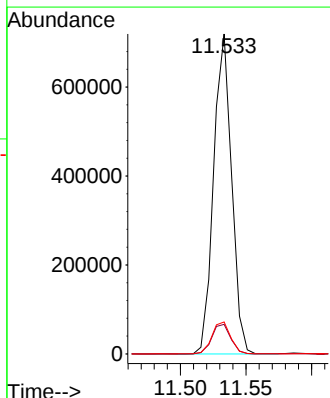
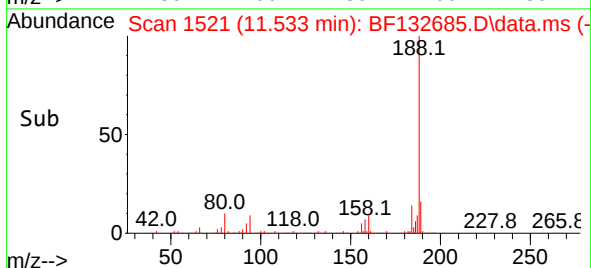
Reviewed By :Christian Giraldo 03/08/2023  
Supervised By :Jagrut Upadhyay 03/08/2023

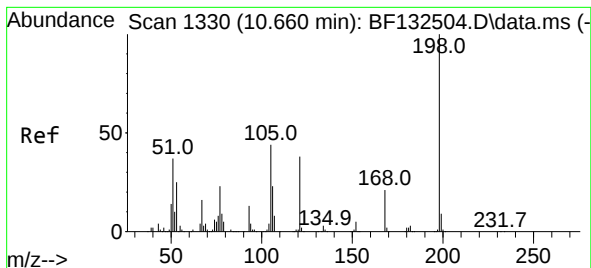


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.533 min Scan# 1521  
Delta R.T. -0.000 min  
Lab File: BF132685.D  
Acq: 07 Mar 2023 19:06



Tgt Ion:188 Resp: 687724  
Ion Ratio Lower Upper  
188 100  
94 9.2 8.3 12.5  
80 10.0 8.7 13.1





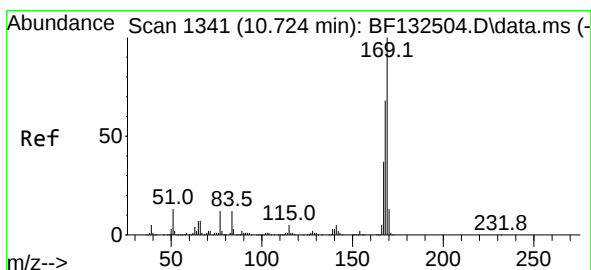
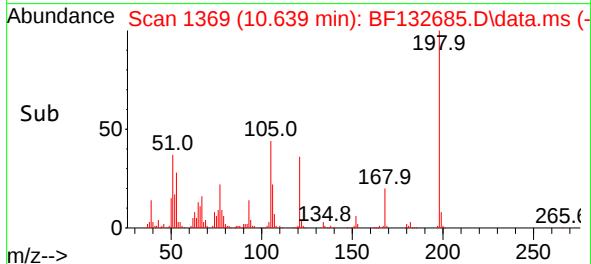
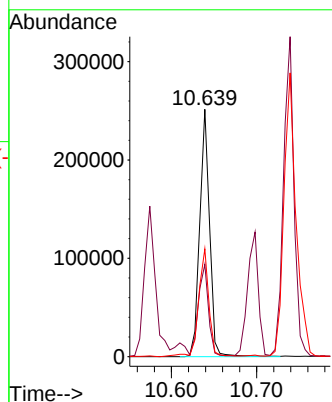
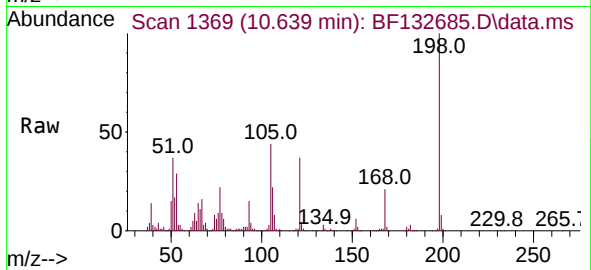
#65  
4,6-Dinitro-2-methylphenol  
Concen: 43.254 ng  
RT: 10.639 min Scan# 1330  
Delta R.T. -0.006 min  
Lab File: BF132685.D  
Acq: 07 Mar 2023 19:06

Instrument :  
BNA\_F  
ClientSampleId :  
HH-TP1-0306MSD

Tgt Ion:198 Resp: 201369  
Ion Ratio Lower Upper  
198 100  
51 37.3 20.6 60.6  
105 43.6 24.3 64.3

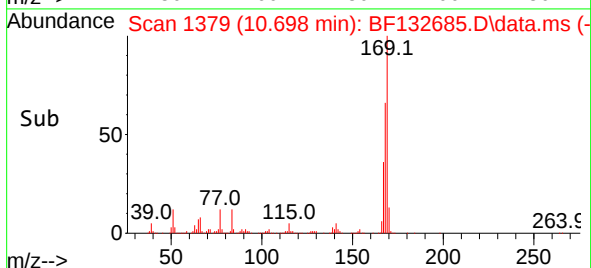
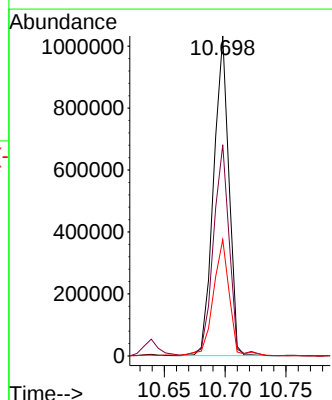
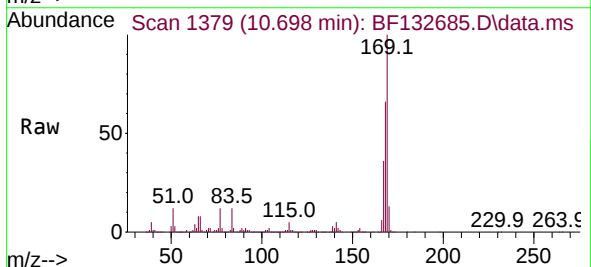
Manual Integrations  
APPROVED

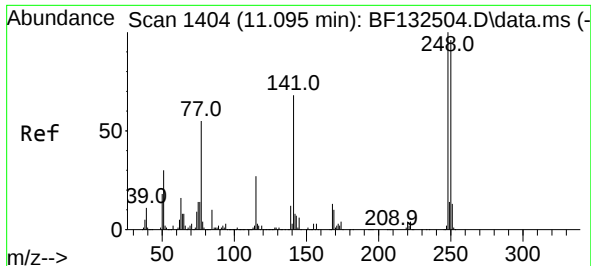
Reviewed By :Christian Giraldo 03/08/2023  
Supervised By :Jagrut Upadhyay 03/08/2023



#66  
n-Nitrosodiphenylamine  
Concen: 42.092 ng  
RT: 10.698 min Scan# 1379  
Delta R.T. -0.000 min  
Lab File: BF132685.D  
Acq: 07 Mar 2023 19:06

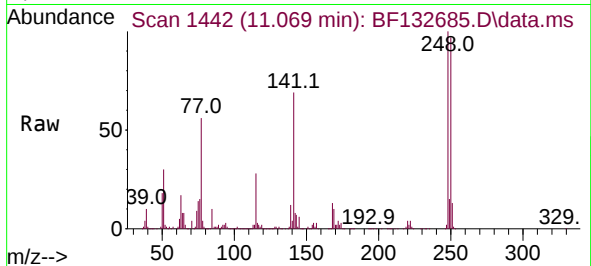
Tgt Ion:169 Resp: 902458  
Ion Ratio Lower Upper  
169 100  
168 66.0 54.2 81.4  
167 36.3 29.6 44.4





#67  
4-Bromophenyl-phenylether  
Concen: 42.639 ng  
RT: 11.069 min Scan# 1404  
Delta R.T. -0.006 min  
Lab File: BF132685.D  
Acq: 07 Mar 2023 19:06

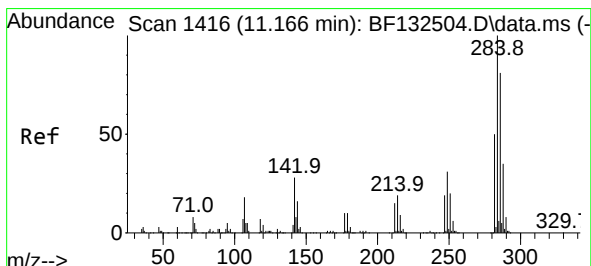
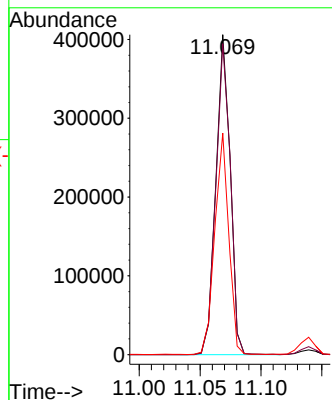
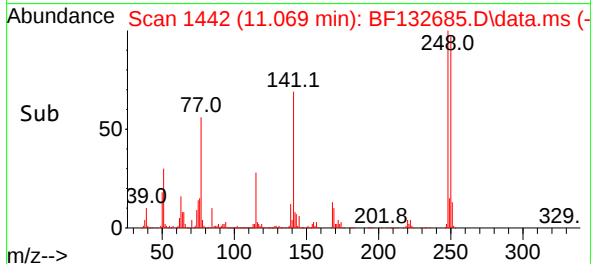
Instrument :  
BNA\_F  
ClientSampleId :  
HH-TP1-0306MSD



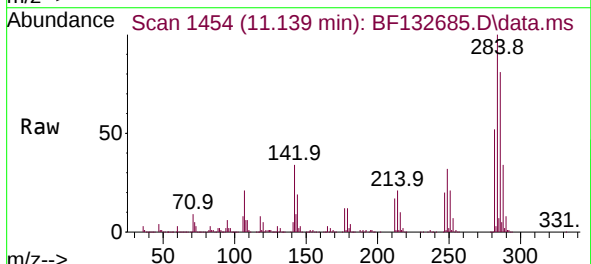
Tgt Ion:248 Resp: 331700  
Ion Ratio Lower Upper  
248 100  
250 97.2 77.0 115.4  
141 69.2 54.2 81.2

Manual Integrations  
APPROVED

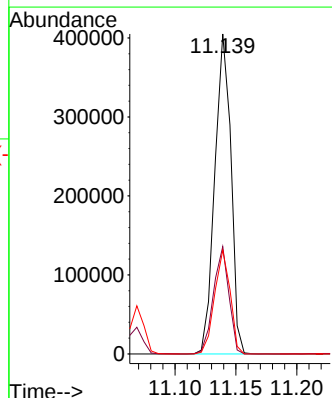
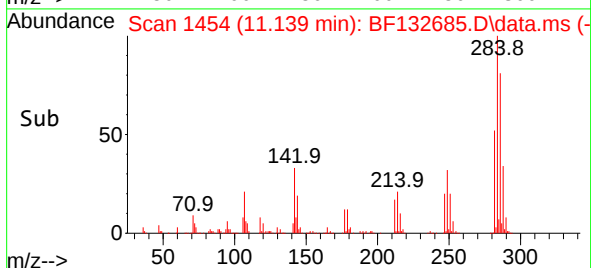
Reviewed By :Christian Giraldo 03/08/2023  
Supervised By :Jagrut Upadhyay 03/08/2023

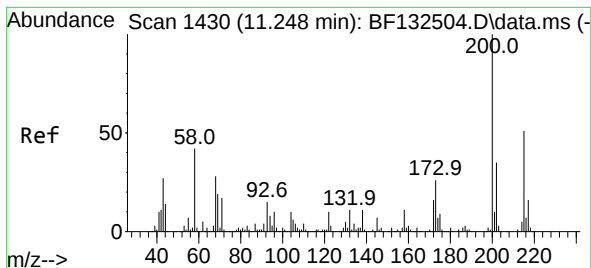


#68  
Hexachlorobenzene  
Concen: 45.414 ng  
RT: 11.139 min Scan# 1454  
Delta R.T. -0.006 min  
Lab File: BF132685.D  
Acq: 07 Mar 2023 19:06



Tgt Ion:284 Resp: 371737  
Ion Ratio Lower Upper  
284 100  
142 33.5 22.2 33.4#  
249 32.4 24.9 37.3





#69

Atrazine

Concen: 47.151 ng

RT: 11.222 min Scan# 14

Delta R.T. -0.000 min

Lab File: BF132685.D

Acq: 07 Mar 2023 19:06

Instrument :

BNA\_F

ClientSampleId :

HH-TP1-0306MSD

Tgt Ion:200 Resp: 315603

Ion Ratio Lower Upper

200 100

173 26.4 6.4 46.4

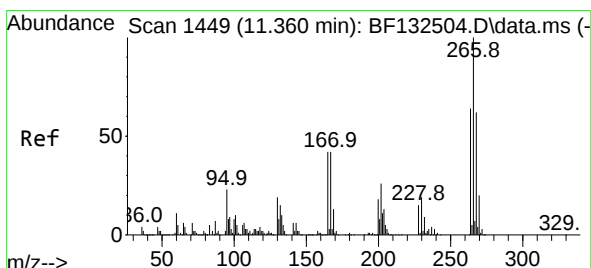
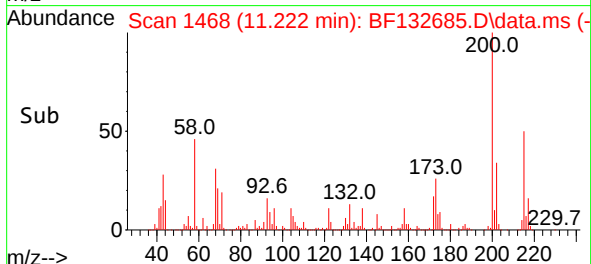
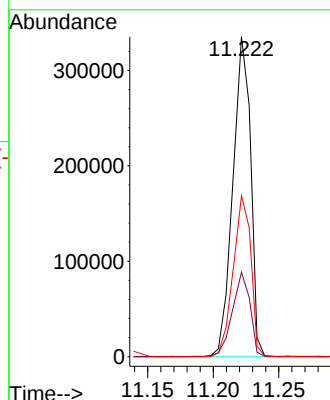
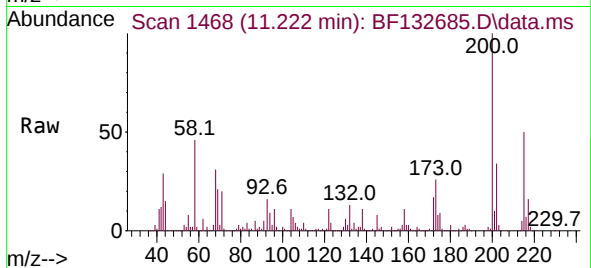
215 50.3 31.0 71.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/08/2023

Supervised By :Jagrut Upadhyay 03/08/2023



#70

Pentachlorophenol

Concen: 74.997 ng

RT: 11.339 min Scan# 1488

Delta R.T. -0.000 min

Lab File: BF132685.D

Acq: 07 Mar 2023 19:06

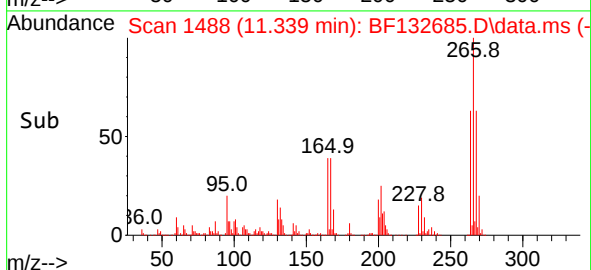
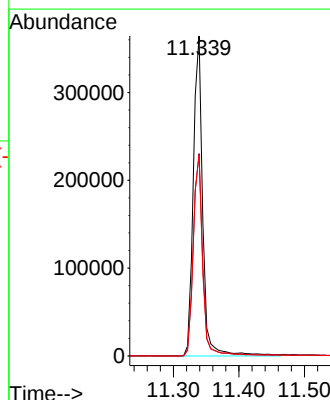
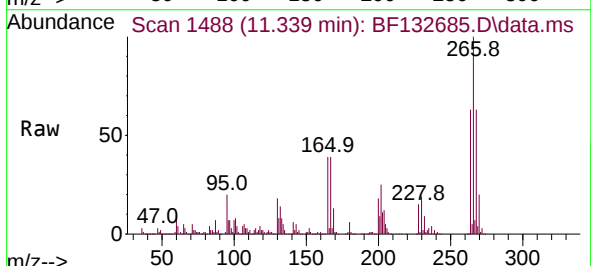
Tgt Ion:266 Resp: 365245

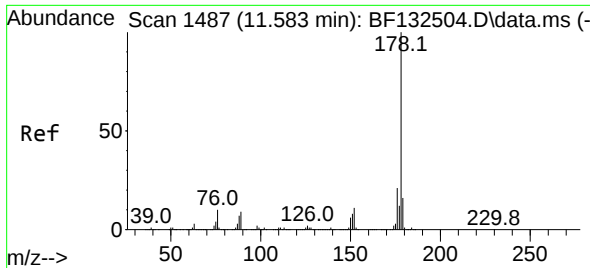
Ion Ratio Lower Upper

266 100

268 63.2 49.8 74.6

264 62.9 50.9 76.3





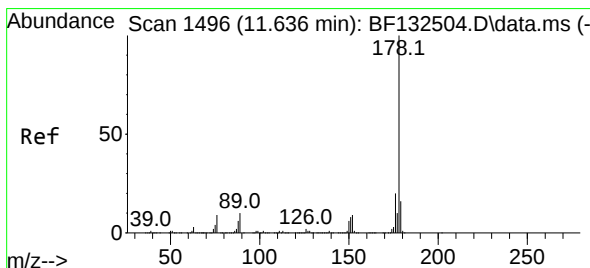
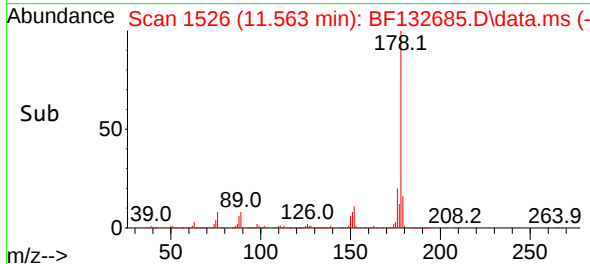
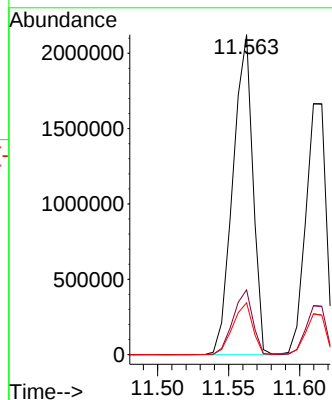
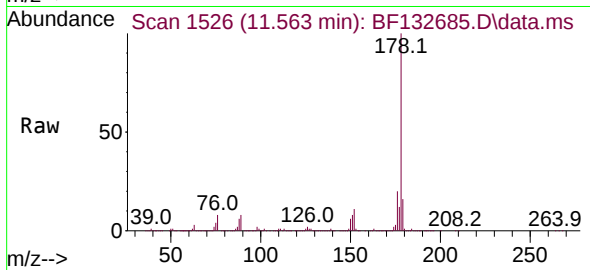
#71  
Phenanthrene  
Concen: 58.169 ng  
RT: 11.563 min Scan# 11534  
Delta R.T. -0.000 min  
Lab File: BF132685.D  
Acq: 07 Mar 2023 19:06

Instrument :  
BNA\_F  
ClientSampleId :  
HH-TP1-0306MSD

Tgt Ion:178 Resp: 2072401  
Ion Ratio Lower Upper  
178 100  
176 20.2 16.5 24.7  
179 16.2 13.0 19.6

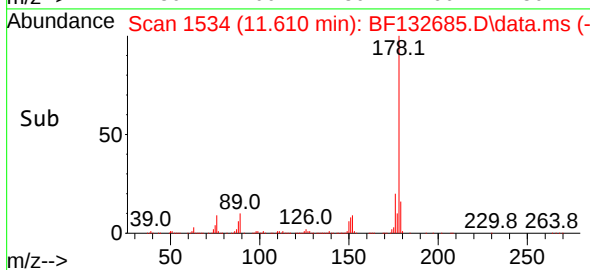
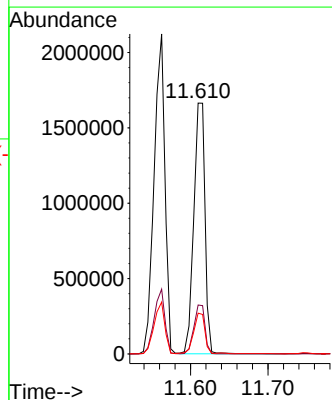
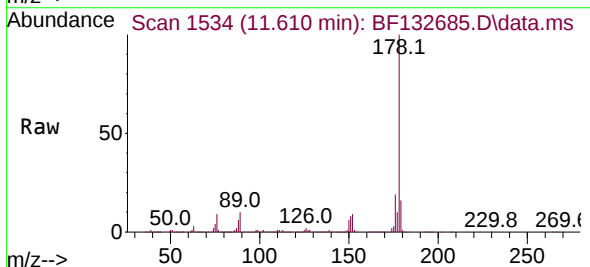
Manual Integrations  
APPROVED

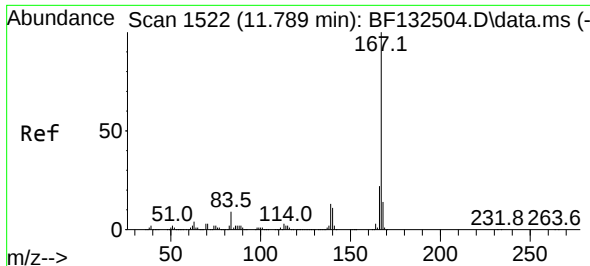
Reviewed By :Christian Giraldo 03/08/2023  
Supervised By :Jagrut Upadhyay 03/08/2023



#72  
Anthracene  
Concen: 45.676 ng  
RT: 11.610 min Scan# 1534  
Delta R.T. -0.006 min  
Lab File: BF132685.D  
Acq: 07 Mar 2023 19:06

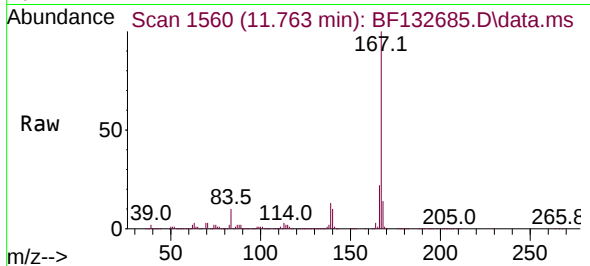
Tgt Ion:178 Resp: 1675759  
Ion Ratio Lower Upper  
178 100  
176 19.5 15.6 23.4  
179 16.2 12.5 18.7





#73  
 Carbazole  
 Concen: 41.855 ng  
 RT: 11.763 min Scan# 11  
 Delta R.T. -0.006 min  
 Lab File: BF132685.D  
 Acq: 07 Mar 2023 19:06

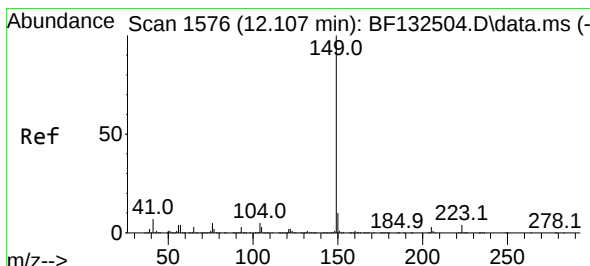
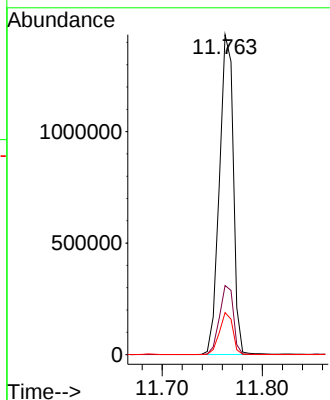
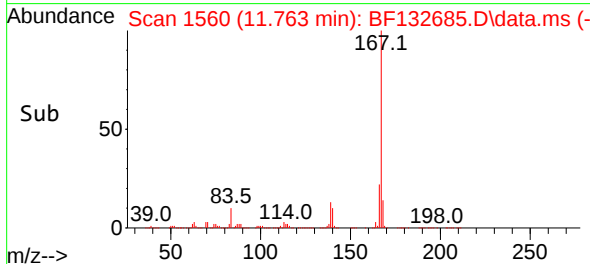
Instrument :  
 BNA\_F  
 ClientSampleId :  
 HH-TP1-0306MSD



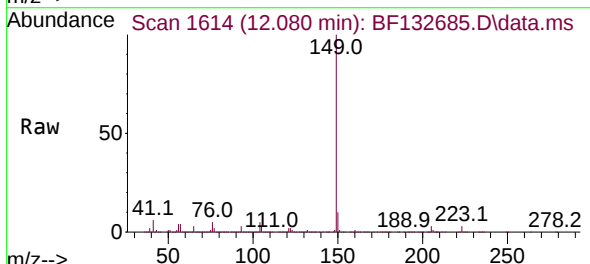
Tgt Ion:167 Resp: 1384495  
 Ion Ratio Lower Upper  
 167 100  
 166 21.6 17.7 26.5  
 139 13.1 10.5 15.7

Manual Integrations  
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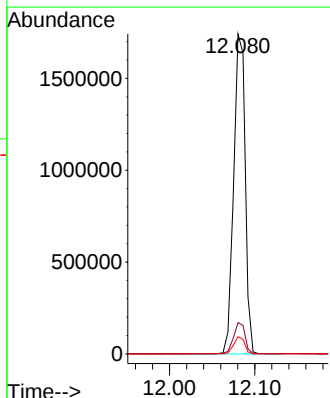
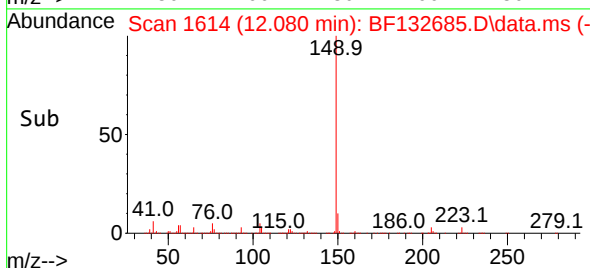
Reviewed By :Christian Giraldo 03/08/2023  
 Supervised By :Jagrut Upadhyay 03/08/2023

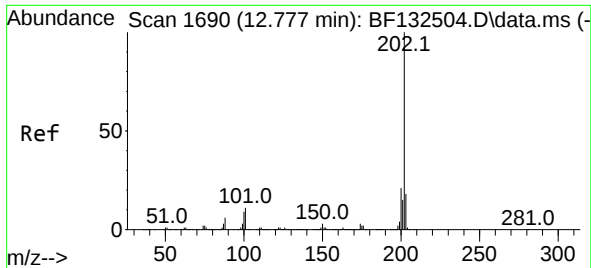


#74  
 Di-n-butylphthalate  
 Concen: 42.247 ng  
 RT: 12.080 min Scan# 1614  
 Delta R.T. -0.006 min  
 Lab File: BF132685.D  
 Acq: 07 Mar 2023 19:06



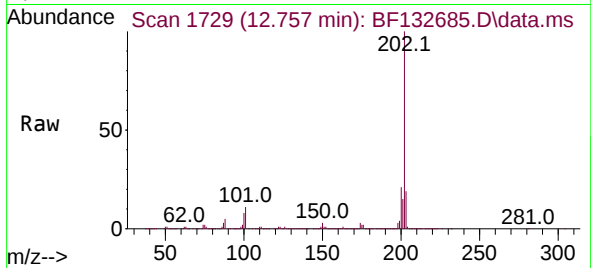
Tgt Ion:149 Resp: 1639212  
 Ion Ratio Lower Upper  
 149 100  
 150 9.8 7.8 11.8  
 104 5.4 4.3 6.5





#75  
Fluoranthene  
Concen: 62.335 ng  
RT: 12.757 min Scan# 1729  
Delta R.T. -0.000 min  
Lab File: BF132685.D  
Acq: 07 Mar 2023 19:06

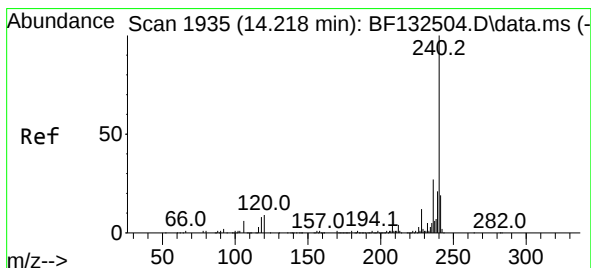
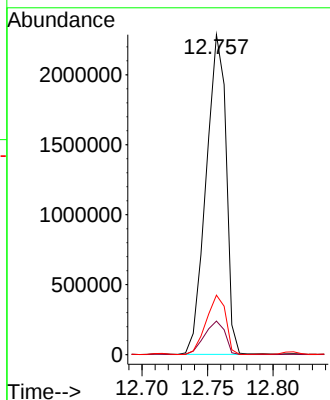
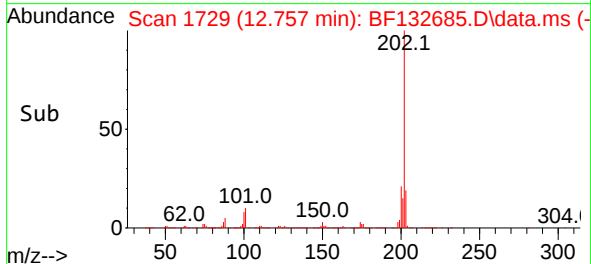
Instrument :  
BNA\_F  
ClientSampleId :  
HH-TP1-0306MSD



Tgt Ion:202 Resp: 2427849  
Ion Ratio Lower Upper  
202 100  
101 10.5 0.0 31.4  
203 18.6 0.0 38.0

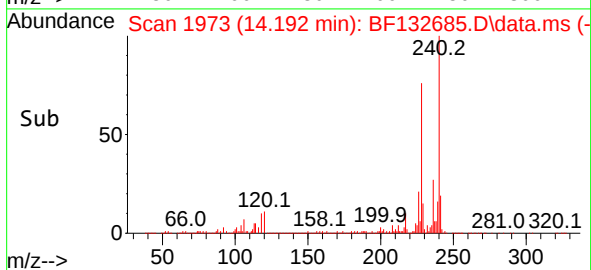
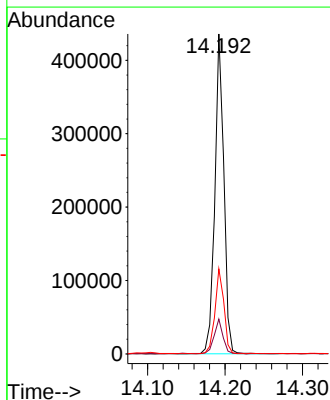
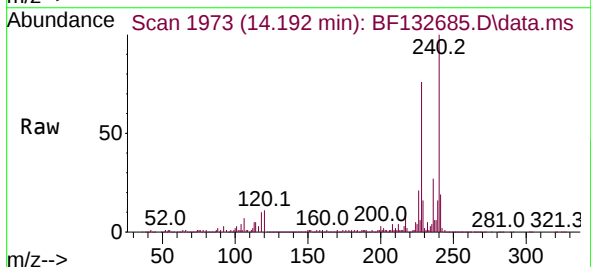
Manual Integrations  
APPROVED

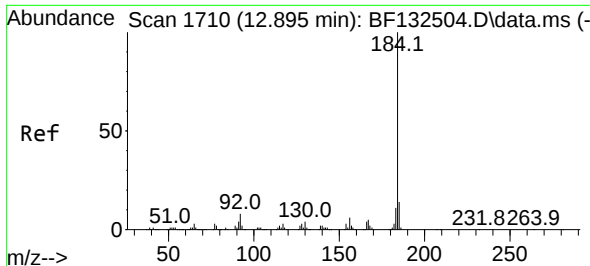
Reviewed By :Christian Giraldo 03/08/2023  
Supervised By :Jagrut Upadhyay 03/08/2023



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.192 min Scan# 1973  
Delta R.T. -0.006 min  
Lab File: BF132685.D  
Acq: 07 Mar 2023 19:06

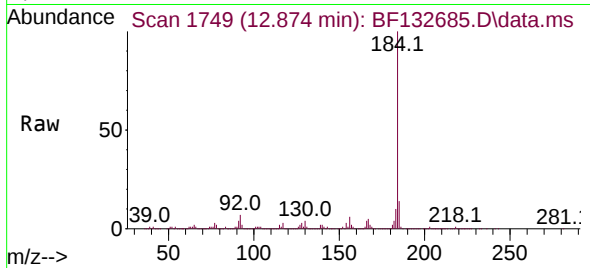
Tgt Ion:240 Resp: 351915  
Ion Ratio Lower Upper  
240 100  
120 10.9 7.2 10.8#  
236 26.6 21.8 32.6





#77  
Benzidine  
Concen: 62.161 ng  
RT: 12.874 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: BF132685.D  
Acq: 07 Mar 2023 19:06

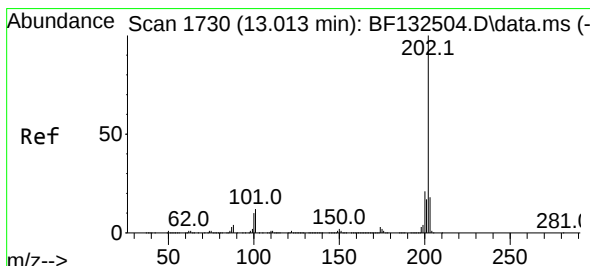
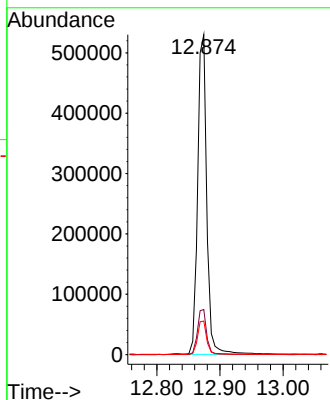
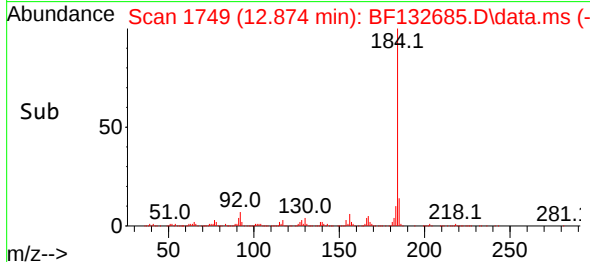
Instrument :  
BNA\_F  
ClientSampleId :  
HH-TP1-0306MSD



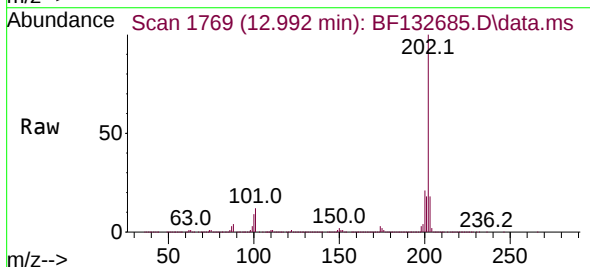
Tgt Ion:184 Resp: 532507  
Ion Ratio Lower Upper  
184 100  
185 14.1 11.7 17.5  
183 10.5 8.7 13.1

Manual Integrations  
APPROVED

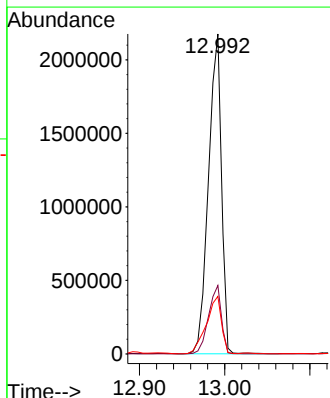
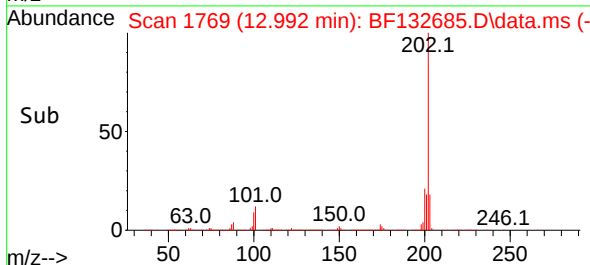
Reviewed By :Christian Giraldo 03/08/2023  
Supervised By :Jagrut Upadhyay 03/08/2023

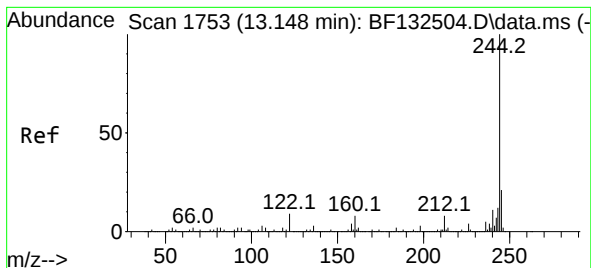


#78  
Pyrene  
Concen: 72.036 ng  
RT: 12.992 min Scan# 1769  
Delta R.T. -0.000 min  
Lab File: BF132685.D  
Acq: 07 Mar 2023 19:06



Tgt Ion:202 Resp: 2304821  
Ion Ratio Lower Upper  
202 100  
200 21.4 17.1 25.7  
203 18.0 14.6 21.8





#79

Terphenyl-d14

Concen: 71.491 ng

RT: 13.121 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF132685.D

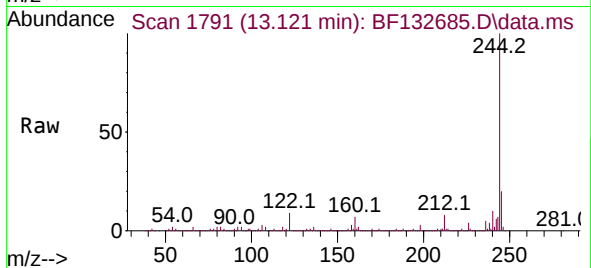
Acq: 07 Mar 2023 19:06

Instrument :

BNA\_F

ClientSampleId :

HH-TP1-0306MSD



Tgt Ion:244 Resp: 1488036

Ion Ratio Lower Upper

244 100

212 7.7 6.5 9.7

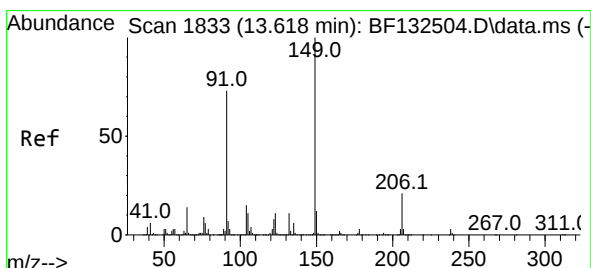
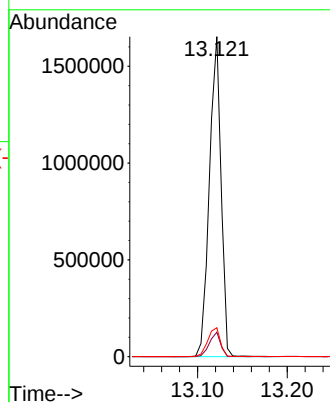
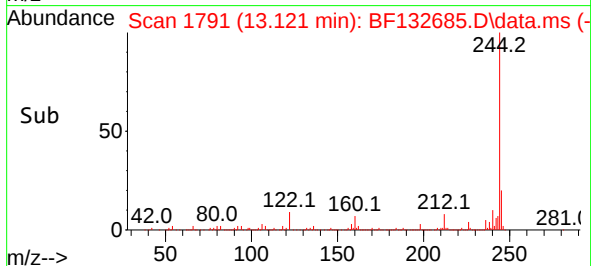
122 9.0 7.5 11.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/08/2023

Supervised By :Jagrut Upadhyay 03/08/2023



#80

Butylbenzylphthalate

Concen: 49.502 ng

RT: 13.592 min Scan# 1871

Delta R.T. -0.006 min

Lab File: BF132685.D

Acq: 07 Mar 2023 19:06

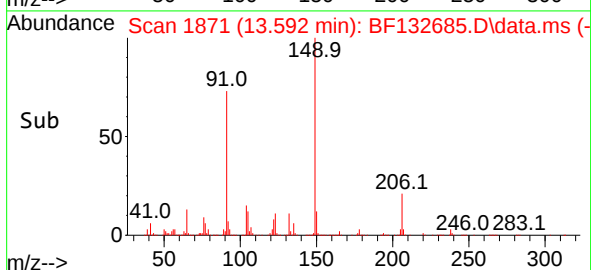
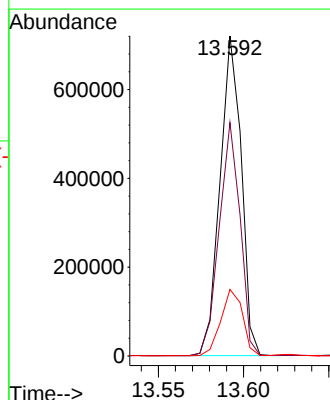
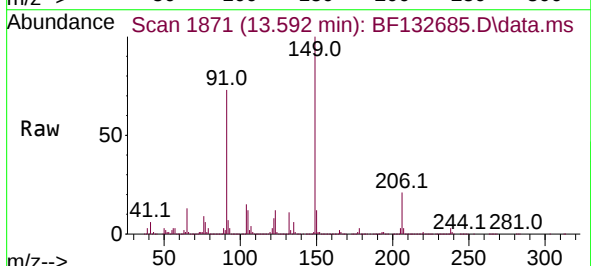
Tgt Ion:149 Resp: 625014

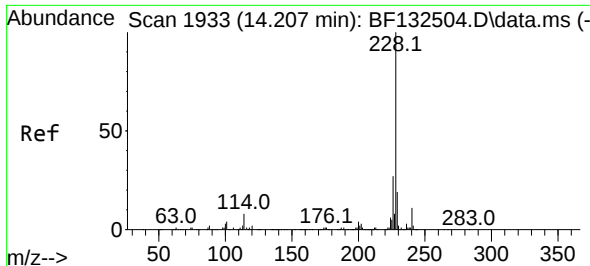
Ion Ratio Lower Upper

149 100

91 72.9 58.4 87.6

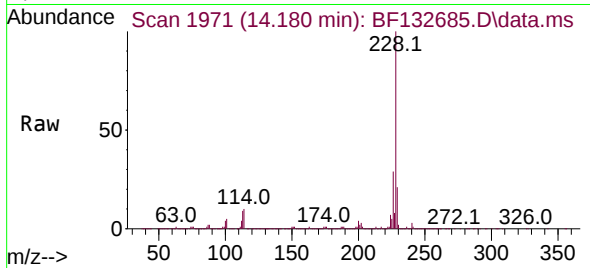
206 20.8 16.8 25.2





#81  
Benzo(a)anthracene  
Concen: 57.963 ng  
RT: 14.180 min Scan# 1933  
Delta R.T. -0.006 min  
Lab File: BF132685.D  
Acq: 07 Mar 2023 19:06

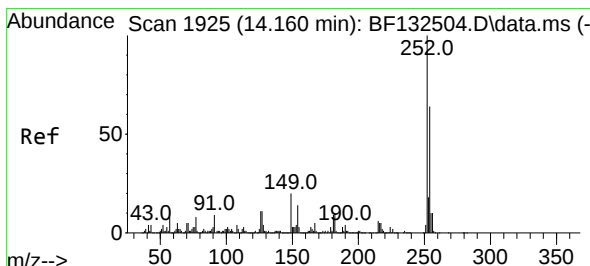
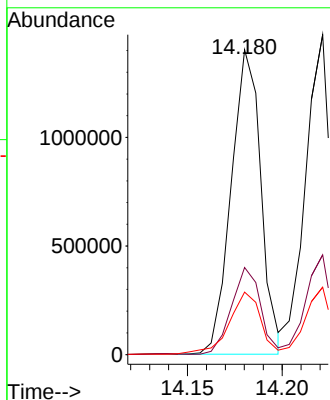
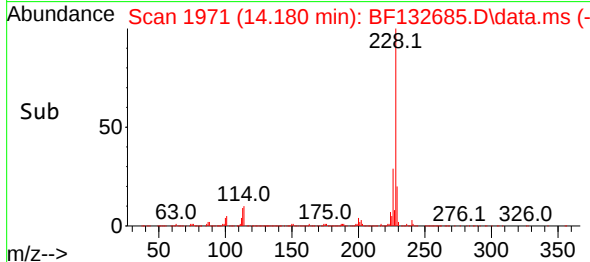
Instrument :  
BNA\_F  
ClientSampleId :  
HH-TP1-0306MSD



Tgt Ion:228 Resp: 1526244  
Ion Ratio Lower Upper  
228 100  
226 28.6 21.7 32.5  
229 20.5 15.4 23.2

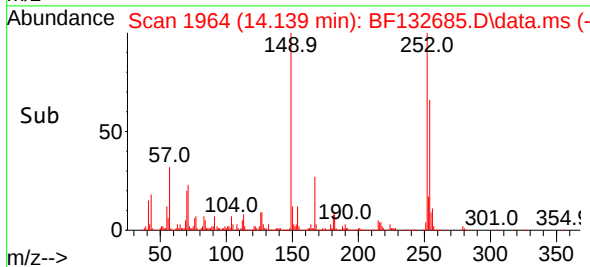
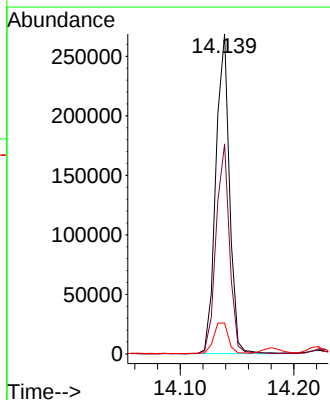
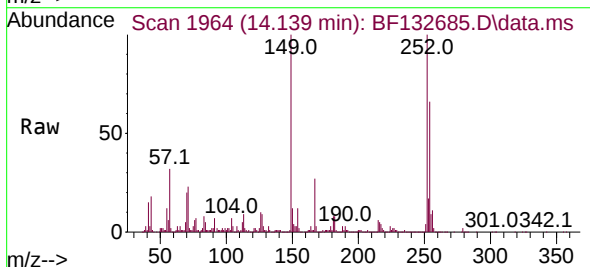
Manual Integrations  
APPROVED

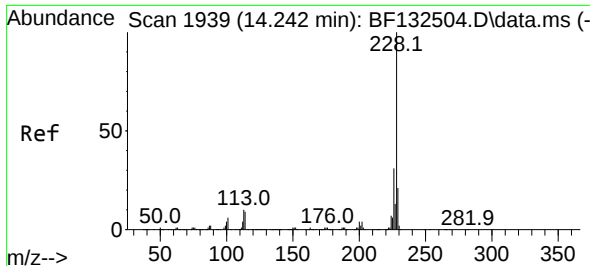
Reviewed By :Christian Giraldo 03/08/2023  
Supervised By :Jagrut Upadhyay 03/08/2023



#82  
3,3'-Dichlorobenzidine  
Concen: 28.817 ng  
RT: 14.139 min Scan# 1964  
Delta R.T. -0.000 min  
Lab File: BF132685.D  
Acq: 07 Mar 2023 19:06

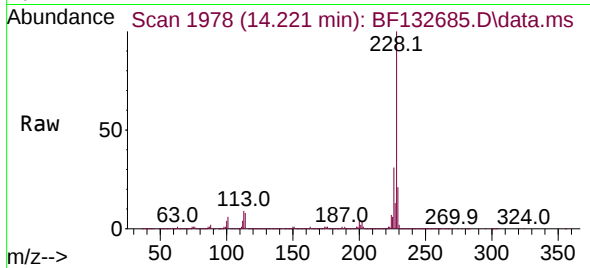
Tgt Ion:252 Resp: 223702  
Ion Ratio Lower Upper  
252 100  
254 65.6 51.4 77.2  
126 9.6 8.9 13.3





#83  
Chrysene  
Concen: 55.555 ng  
RT: 14.221 min Scan# 1939  
Delta R.T. -0.000 min  
Lab File: BF132685.D  
Acq: 07 Mar 2023 19:06

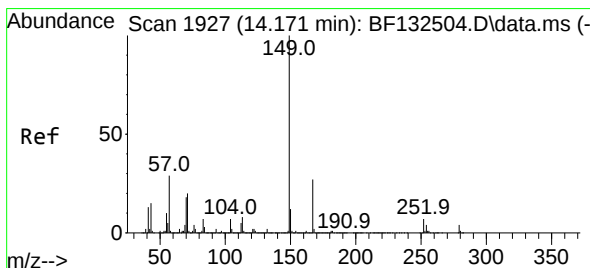
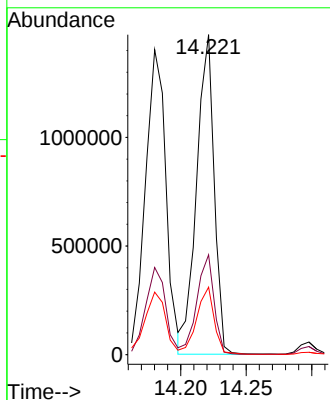
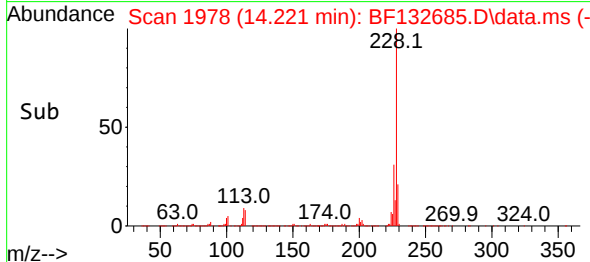
Instrument :  
BNA\_F  
ClientSampleId :  
HH-TP1-0306MSD



Tgt Ion:228 Resp: 1367919  
Ion Ratio Lower Upper  
228 100  
226 31.2 25.0 37.6  
229 21.1 16.4 24.6

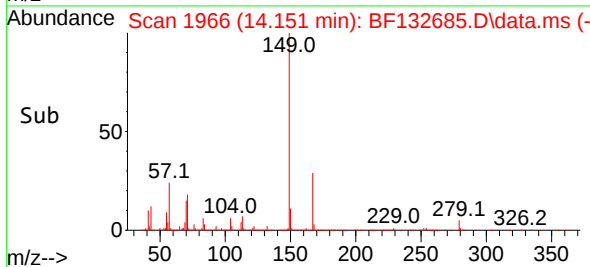
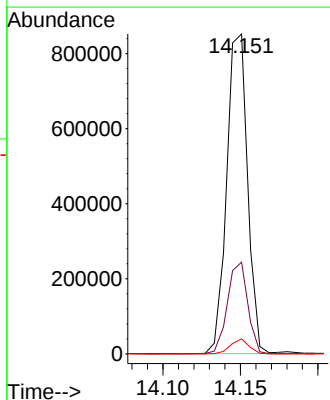
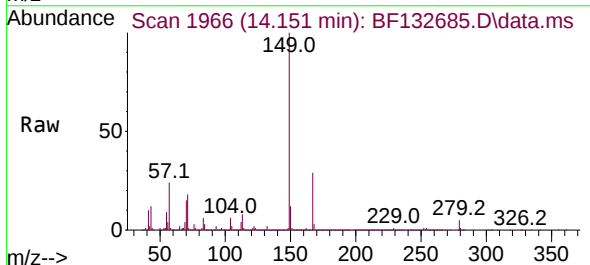
Manual Integrations  
APPROVED

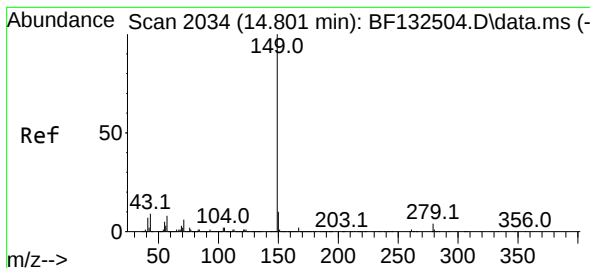
Reviewed By :Christian Giraldo 03/08/2023  
Supervised By :Jagrut Upadhyay 03/08/2023



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 51.815 ng  
RT: 14.151 min Scan# 1966  
Delta R.T. -0.000 min  
Lab File: BF132685.D  
Acq: 07 Mar 2023 19:06

Tgt Ion:149 Resp: 803668  
Ion Ratio Lower Upper  
149 100  
167 28.7 21.8 32.6  
279 4.7 3.0 4.6





#85

Di-n-octyl phthalate

Concen: 54.296 ng

RT: 14.774 min Scan# 2034

Delta R.T. -0.000 min

Lab File: BF132685.D

Acq: 07 Mar 2023 19:06

Instrument :

BNA\_F

ClientSampleId :

HH-TP1-0306MSD

Tgt Ion:149 Resp: 1230643

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

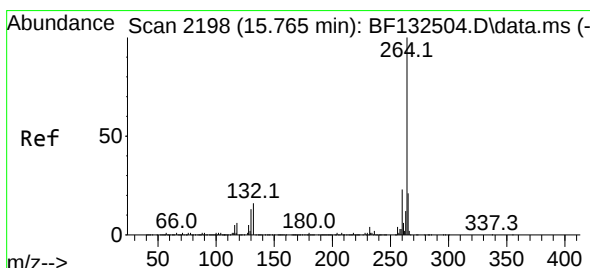
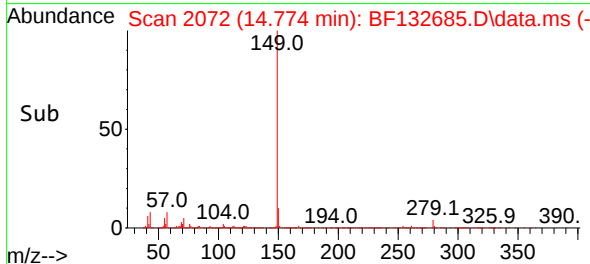
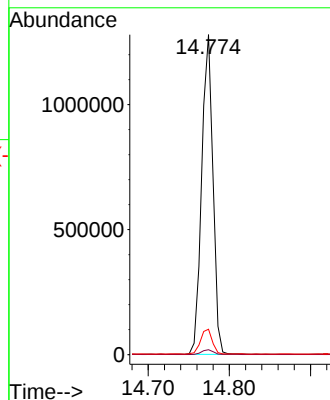
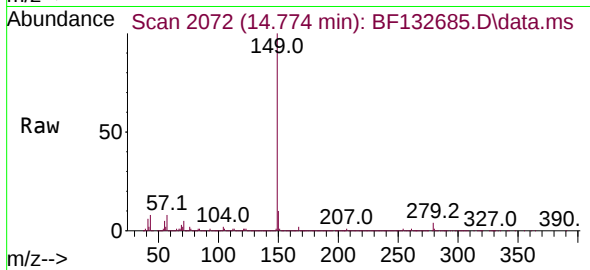
43 8.0 7.2 10.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/08/2023

Supervised By :Jagrut Upadhyay 03/08/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.733 min Scan# 2235

Delta R.T. -0.006 min

Lab File: BF132685.D

Acq: 07 Mar 2023 19:06

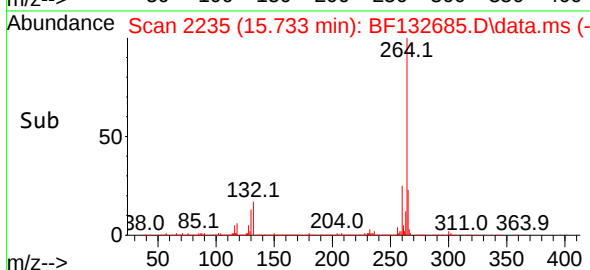
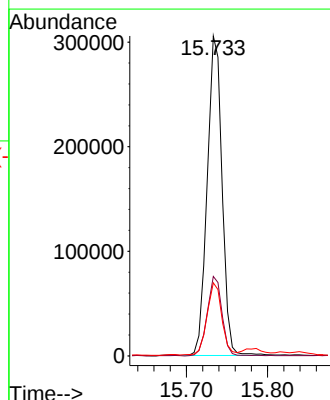
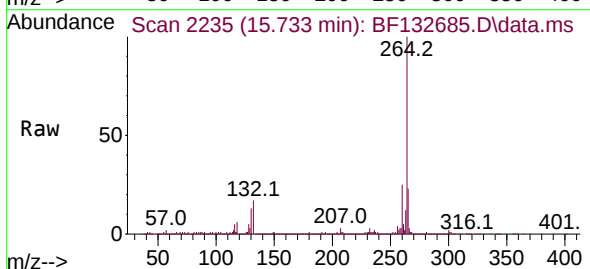
Tgt Ion:264 Resp: 389873

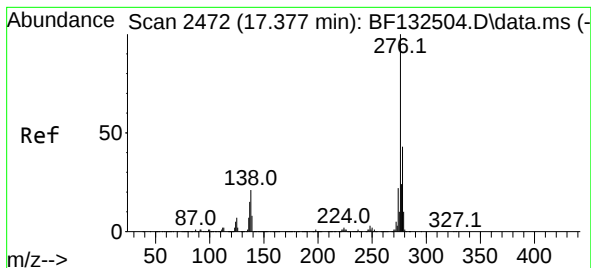
Ion Ratio Lower Upper

264 100

260 24.8 18.8 28.2

265 22.8 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 55.504 ng

RT: 17.333 min Scan# 211

Delta R.T. -0.012 min

Lab File: BF132685.D

Acq: 07 Mar 2023 19:06

Instrument :

BNA\_F

ClientSampleId :

HH-TP1-0306MSD

Tgt Ion: 276 Resp: 141791

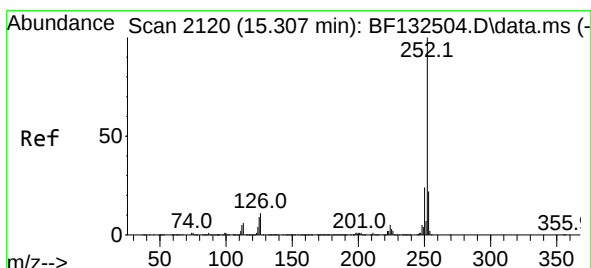
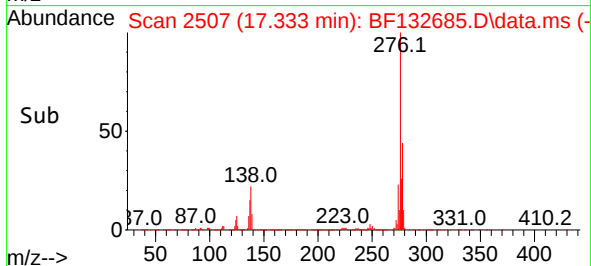
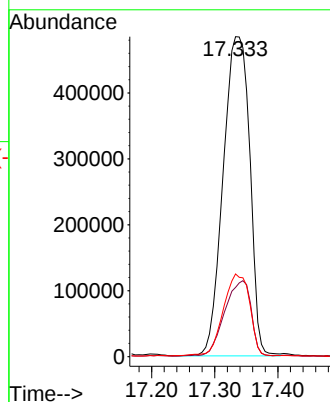
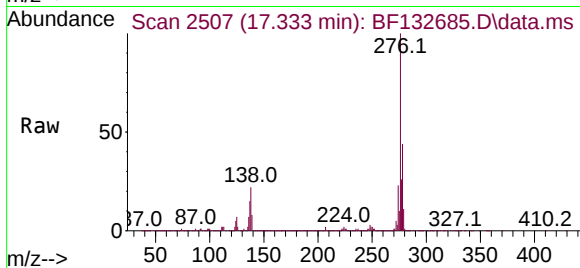
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 138 | 23.6  | 19.0  | 28.4  |
| 277 | 25.3  | 20.0  | 30.0  |

Manual Integrations

APPROVED

Reviewed By : Christian Giraldo 03/08/2023

Supervised By : Jagrut Upadhyay 03/08/2023



#88

Benzo(b)fluoranthene

Concen: 56.995 ng

RT: 15.280 min Scan# 2158

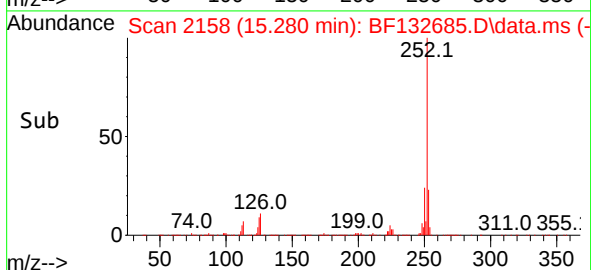
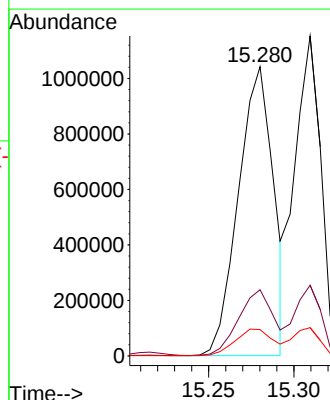
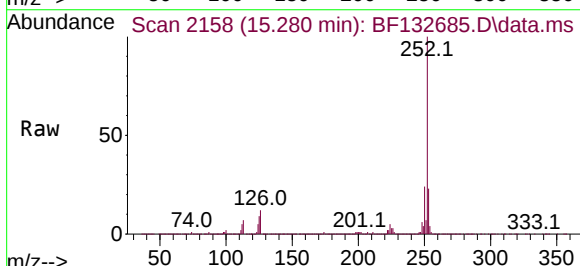
Delta R.T. -0.000 min

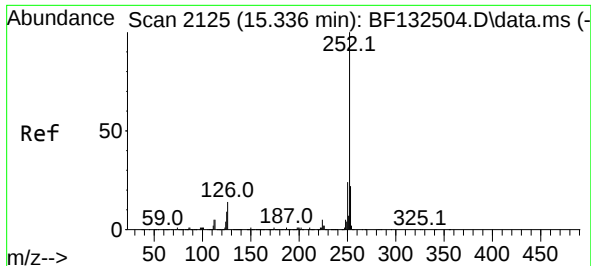
Lab File: BF132685.D

Acq: 07 Mar 2023 19:06

Tgt Ion: 252 Resp: 1489127

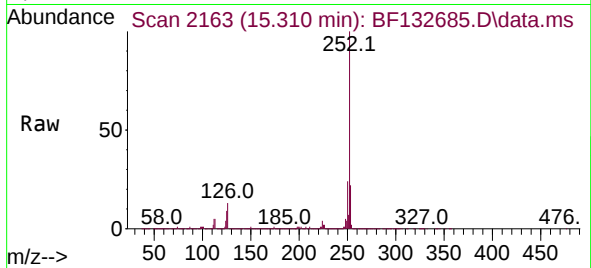
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 22.9  | 17.4  | 26.0  |
| 125 | 9.1   | 7.0   | 10.6  |





#89  
Benzo(k)fluoranthene  
Concen: 47.950 ng  
RT: 15.310 min Scan# 2125  
Delta R.T. -0.006 min  
Lab File: BF132685.D  
Acq: 07 Mar 2023 19:06

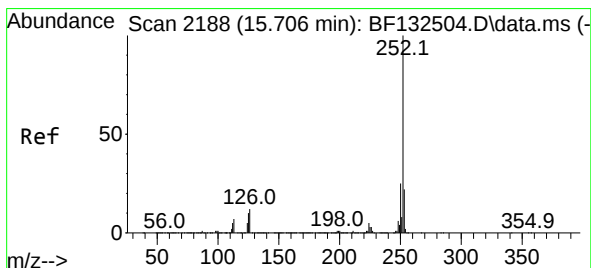
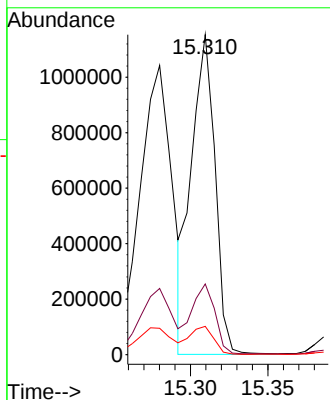
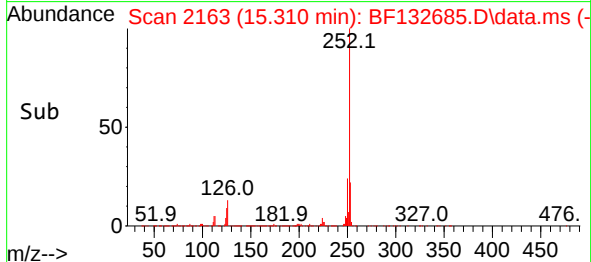
Instrument :  
BNA\_F  
ClientSampleId :  
HH-TP1-0306MSD



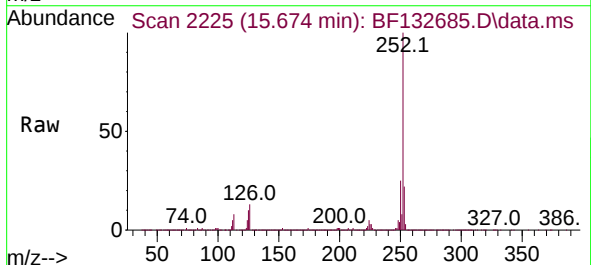
Tgt Ion:252 Resp: 1226105  
Ion Ratio Lower Upper  
252 100  
253 22.1 17.5 26.3  
125 8.8 7.2 10.8

Manual Integrations  
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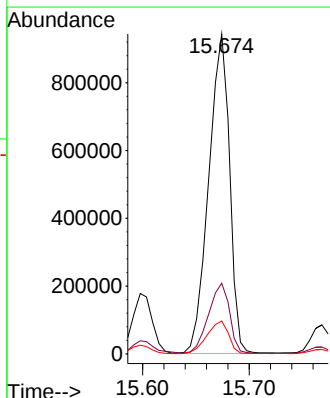
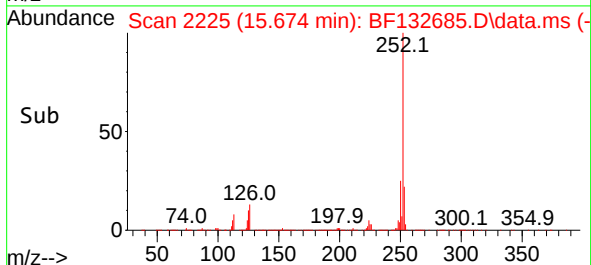
Reviewed By :Christian Giraldo 03/08/2023  
Supervised By :Jagrut Upadhyay 03/08/2023

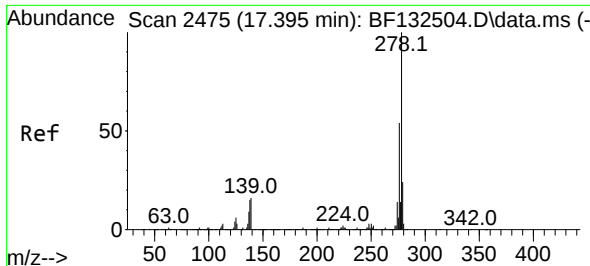


#90  
Benzo(a)pyrene  
Concen: 52.479 ng  
RT: 15.674 min Scan# 2225  
Delta R.T. -0.000 min  
Lab File: BF132685.D  
Acq: 07 Mar 2023 19:06



Tgt Ion:252 Resp: 1283276  
Ion Ratio Lower Upper  
252 100  
253 22.1 17.2 25.8  
125 10.3 8.0 12.0





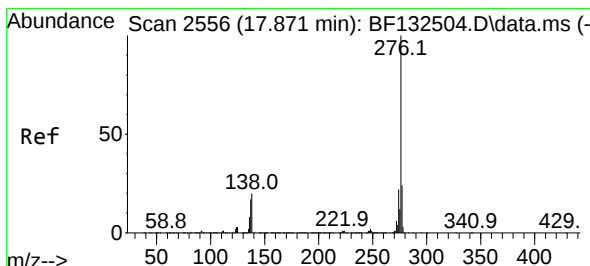
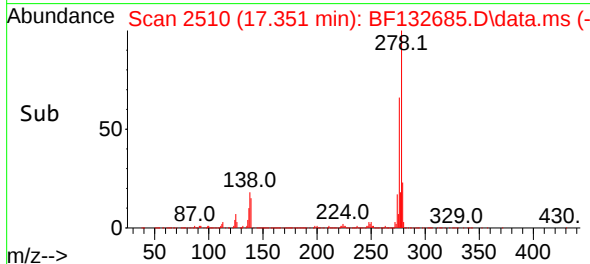
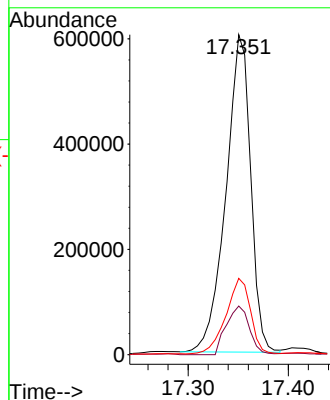
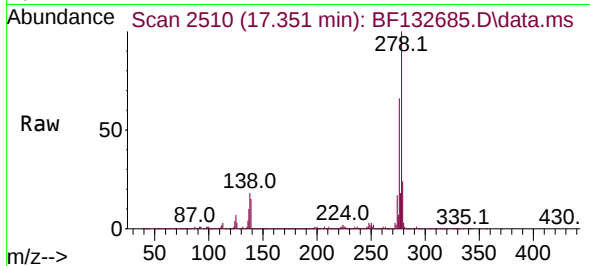
#91  
Dibenzo(a,h)anthracene  
Concen: 49.584 ng  
RT: 17.351 min Scan# 2510  
Delta R.T. -0.006 min  
Lab File: BF132685.D  
Acq: 07 Mar 2023 19:06

Instrument :  
BNA\_F  
ClientSampleId :  
HH-TP1-0306MSD

Tgt Ion:278 Resp: 1032043  
Ion Ratio Lower Upper  
278 100  
139 15.2 13.0 19.4  
279 23.8 19.0 28.4

Manual Integrations  
APPROVED

Reviewed By :Christian Giraldo 03/08/2023  
Supervised By :Jagrut Upadhyay 03/08/2023



#92  
Benzo(g,h,i)perylene  
Concen: 49.712 ng  
RT: 17.827 min Scan# 2591  
Delta R.T. -0.006 min  
Lab File: BF132685.D  
Acq: 07 Mar 2023 19:06

Tgt Ion:276 Resp: 1170751  
Ion Ratio Lower Upper  
276 100  
277 23.9 18.9 28.3  
138 21.0 16.2 24.4

