

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF081122\  
 Data File : BF129722.D  
 Acq On : 11 Aug 2022 18:56  
 Operator : CG\JU  
 Sample : N4017-06MSD  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB07MSD

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 08/12/2022  
 Supervised By : Jagrut Upadhyay 08/12/2022

Quant Time: Aug 12 00:01:16 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF072522.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 11 23:50:03 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.834  | 152  | 147112   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.116  | 136  | 597646   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.875  | 164  | 321495   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.363 | 188  | 520110   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.010 | 240  | 253234   | 20.000  | ng    | -0.01    |
| 86) Perylene-d12              | 15.480 | 264  | 291315   | 20.000  | ng    | -0.01    |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.481  | 112  | 1097515  | 121.530 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.493  | 99   | 1394020  | 122.808 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.404  | 82   | 890451   | 81.333  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.669 | 330  | 371432   | 120.168 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.192  | 172  | 1550371  | 74.600  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.945 | 244  | 1330935  | 99.154  | ng    | -0.01    |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.663  | 88   | 170409   | 41.823  | ng    | 86       |
| 3) Pyridine                   | 3.440  | 79   | 442690   | 39.123  | ng    | 88       |
| 4) n-Nitrosodimethylamine     | 3.393  | 42   | 228934   | 46.074  | ng    | # 91     |
| 6) Aniline                    | 6.498  | 93   | 612127   | 43.378  | ng    | # 47     |
| 8) 2-Chlorophenol             | 6.628  | 128  | 514337   | 52.130  | ng    | 98       |
| 9) Benzaldehyde               | 6.387  | 77   | 352820   | 45.770  | ng    | 97       |
| 10) Phenol                    | 6.504  | 94   | 607720m  | 50.275  | ng    |          |
| 11) bis(2-Chloroethyl)ether   | 6.569  | 93   | 472008   | 49.237  | ng    | 93       |
| 12) 1,3-Dichlorobenzene       | 6.775  | 146  | 522781   | 49.404  | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 6.851  | 146  | 534009   | 49.622  | ng    | 100      |
| 14) 1,2-Dichlorobenzene       | 7.004  | 146  | 507769   | 51.333  | ng    | 99       |
| 15) Benzyl Alcohol            | 6.987  | 79   | 433638   | 52.674  | ng    | 100      |
| 16) 2,2'-oxybis(1-Chloropr... | 7.104  | 45   | 617571   | 42.857  | ng    | # 1      |
| 17) 2-Methylphenol            | 7.104  | 107  | 408715   | 49.934  | ng    | # 89     |
| 18) Hexachloroethane          | 7.340  | 117  | 199749   | 49.294  | ng    | 92       |
| 19) n-Nitroso-di-n-propyla... | 7.251  | 70   | 348574   | 50.724  | ng    | 90       |
| 20) 3+4-Methylphenols         | 7.257  | 107  | 522122   | 50.170  | ng    | # 86     |
| 22) Acetophenone              | 7.245  | 105  | 707252   | 50.829  | ng    | 98       |
| 24) Nitrobenzene              | 7.422  | 77   | 526250   | 46.678  | ng    | 95       |
| 25) Isophorone                | 7.657  | 82   | 961676   | 49.003  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.739  | 139  | 280844   | 50.495  | ng    | # 87     |
| 27) 2,4-Dimethylphenol        | 7.781  | 122  | 461602m  | 55.330  | ng    |          |
| 28) bis(2-Chloroethoxy)met... | 7.863  | 93   | 590600   | 51.878  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.987  | 162  | 425108   | 49.369  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 8.057  | 180  | 422978   | 47.457  | ng    | 97       |
| 31) Naphthalene               | 8.139  | 128  | 1447233  | 47.663  | ng    | 99       |
| 32) Benzoic acid              | 7.898  | 122  | 65400    | 10.844  | ng    | 95       |
| 33) 4-Chloroaniline           | 8.192  | 127  | 563662   | 45.215  | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.245  | 225  | 250582   | 49.460  | ng    | 99       |
| 35) Caprolactam               | 8.575  | 113  | 130522m  | 46.623  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.692  | 107  | 465929   | 51.017  | ng    | 94       |
| 37) 2-Methylnaphthalene       | 8.828  | 142  | 961408   | 48.723  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.928  | 142  | 904444   | 47.481  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 8.998  | 216  | 424860   | 50.328  | ng    | 97       |
| 41) Hexachlorocyclopentadiene | 8.975  | 237  | 302202   | 80.393  | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.116  | 196  | 270516   | 44.120  | ng    | 98       |

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Manual Integrations  
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 11 23:50:03 2022  
 Response via : Initial Calibration

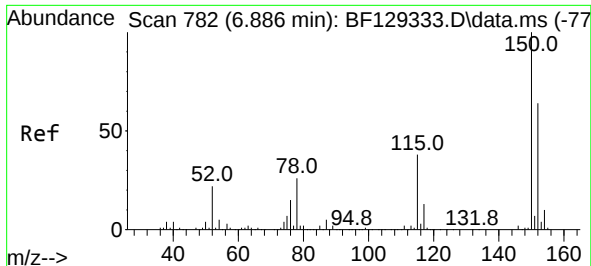
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.163  | 196  | 288615   | 43.286 | ng    | # 90     |
| 46) 1,1'-Biphenyl             | 9.292  | 154  | 1154413  | 49.202 | ng    | 100      |
| 47) 2-Chloronaphthalene       | 9.322  | 162  | 900918   | 47.499 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.428  | 65   | 294325   | 46.666 | ng    | 88       |
| 49) Acenaphthylene            | 9.739  | 152  | 1361583  | 47.243 | ng    | 99       |
| 50) Dimethylphthalate         | 9.598  | 163  | 1057710  | 47.658 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.669  | 165  | 236147   | 47.539 | ng    | 95       |
| 52) Acenaphthene              | 9.910  | 154  | 903976m  | 48.022 | ng    |          |
| 53) 3-Nitroaniline            | 9.839  | 138  | 221506   | 37.763 | ng    | 95       |
| 54) 2,4-Dinitrophenol         | 9.951  | 184  | 118451   | 46.710 | ng    | 93       |
| 55) Dibenzofuran              | 10.081 | 168  | 1212761  | 46.736 | ng    | 96       |
| 56) 4-Nitrophenol             | 10.028 | 139  | 266190   | 61.512 | ng    | 98       |
| 57) 2,4-Dinitrotoluene        | 10.075 | 165  | 301204   | 46.416 | ng    | 92       |
| 58) Fluorene                  | 10.422 | 166  | 998285   | 48.081 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.204 | 232  | 210997   | 40.949 | ng    | 96       |
| 60) Diethylphthalate          | 10.292 | 149  | 1013970  | 47.261 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.410 | 204  | 456374   | 49.858 | ng    | # 88     |
| 62) 4-Nitroaniline            | 10.463 | 138  | 252231m  | 43.347 | ng    |          |
| 63) Azobenzene                | 10.575 | 77   | 988094   | 45.154 | ng    | 95       |
| 65) 4,6-Dinitro-2-methylph... | 10.486 | 198  | 115787   | 35.271 | ng    | 93       |
| 66) n-Nitrosodiphenylamine    | 10.533 | 169  | 853866   | 49.297 | ng    | 96       |
| 67) 4-Bromophenyl-phenylether | 10.904 | 248  | 287655   | 50.507 | ng    | 98       |
| 68) Hexachlorobenzene         | 10.975 | 284  | 322674   | 52.288 | ng    | 95       |
| 69) Atrazine                  | 11.063 | 200  | 270939   | 51.499 | ng    | 98       |
| 70) Pentachlorophenol         | 11.175 | 266  | 140678   | 41.933 | ng    | 98       |
| 71) Phenanthrene              | 11.392 | 178  | 1348008  | 47.479 | ng    | 99       |
| 72) Anthracene                | 11.445 | 178  | 1393594  | 49.949 | ng    | 98       |
| 73) Carbazole                 | 11.604 | 167  | 1217547  | 46.358 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.916 | 149  | 1504586  | 48.105 | ng    | 100      |
| 75) Fluoranthene              | 12.580 | 202  | 1227306  | 42.664 | ng    | 99       |
| 77) Benzidine                 | 12.704 | 184  | 707303   | 79.062 | ng    | 99       |
| 78) Pyrene                    | 12.810 | 202  | 1182644  | 55.848 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.416 | 149  | 484625   | 52.762 | ng    | 99       |
| 81) Benzo(a)anthracene        | 13.998 | 228  | 815704   | 47.155 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.963 | 252  | 252188   | 44.155 | ng    | 99       |
| 83) Chrysene                  | 14.039 | 228  | 752047   | 46.129 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 13.969 | 149  | 611779   | 50.592 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.586 | 149  | 915020   | 52.583 | ng    | 96       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.974 | 276  | 1066265  | 54.353 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.051 | 252  | 911794   | 47.185 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 15.086 | 252  | 811294   | 42.842 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.421 | 252  | 797307   | 50.827 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 16.986 | 278  | 925038   | 57.935 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.427 | 276  | 914554   | 56.055 | ng    | 98       |

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

## Manual Integrations

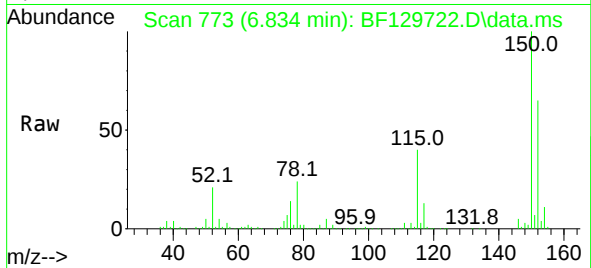
Reviewed By :Christian Giraldo 08/12/2022  
Supervised By :Jagrut Upadhyay 08/12/2022

[illegible]



#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.834 min Scan# 71  
 Delta R.T. -0.006 min  
 Lab File: BF129722.D  
 Acq: 11 Aug 2022 18:56

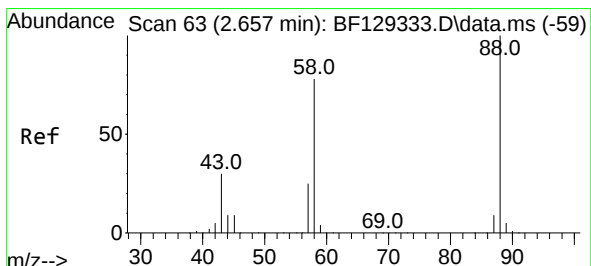
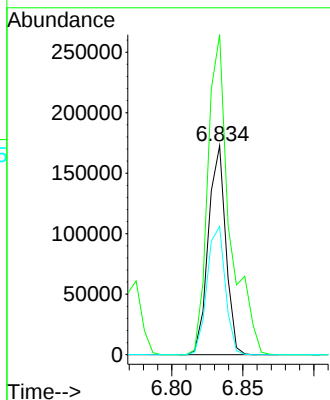
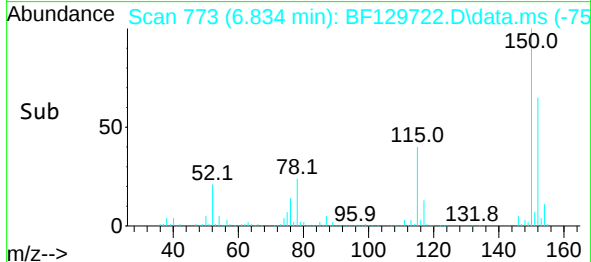
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB07MSD



Tgt Ion:152 Resp: 147112  
 Ion Ratio Lower Upper  
 152 100  
 150 153.2 123.7 185.5  
 115 61.4 49.9 74.9

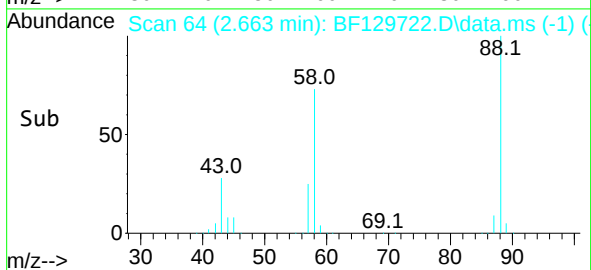
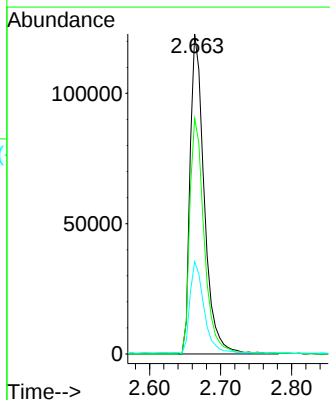
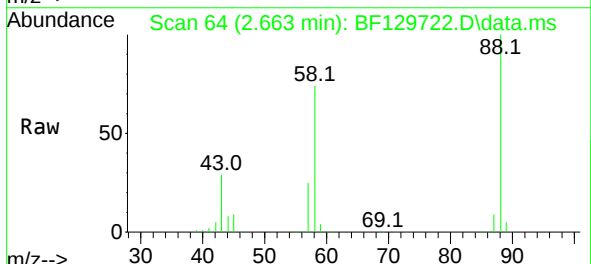
Manual Integrations  
 APPROVED

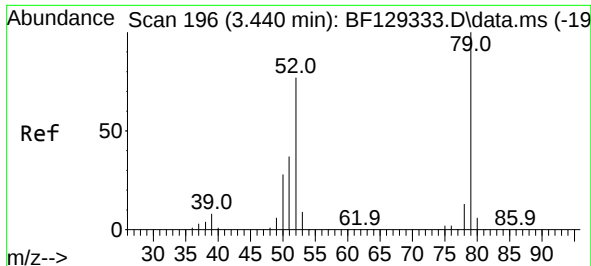
Reviewed By :Christian Giraldo 08/12/2022  
 Supervised By :Jagrut Upadhyay 08/12/2022



#2  
 1,4-Dioxane  
 Concen: 41.823 ng  
 RT: 2.663 min Scan# 64  
 Delta R.T. 0.106 min  
 Lab File: BF129722.D  
 Acq: 11 Aug 2022 18:56

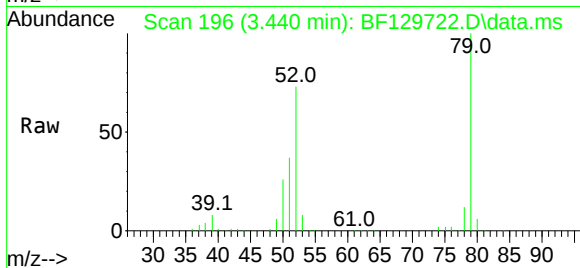
Tgt Ion: 88 Resp: 170409  
 Ion Ratio Lower Upper  
 88 100  
 58 75.1 71.8 107.8  
 43 28.2 26.6 39.8





#3  
Pyridine  
Concen: 39.123 ng  
RT: 3.440 min Scan# 196  
Delta R.T. 0.106 min  
Lab File: BF129722.D  
Acq: 11 Aug 2022 18:56

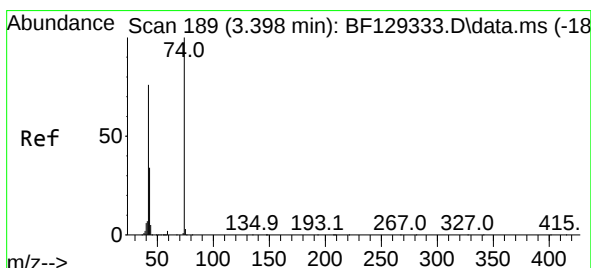
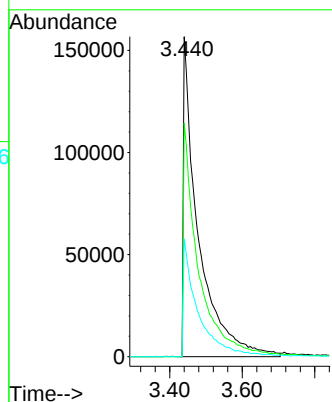
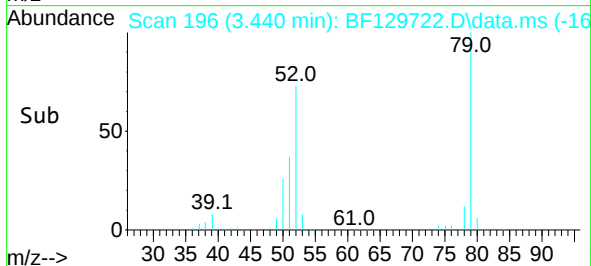
Instrument :  
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ClientSampleId :  
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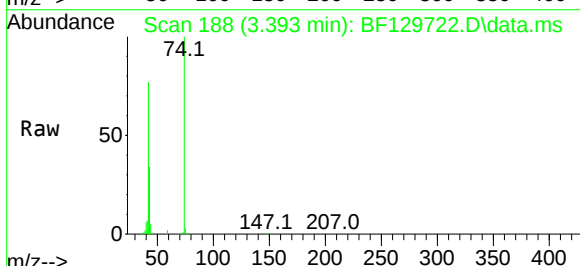
Tgt Ion: 79 Resp: 442690  
Ion Ratio Lower Upper  
79 100  
52 72.9 68.6 102.8  
51 36.8 32.9 49.3

Manual Integrations  
APPROVED

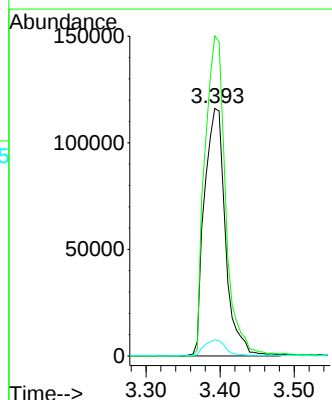
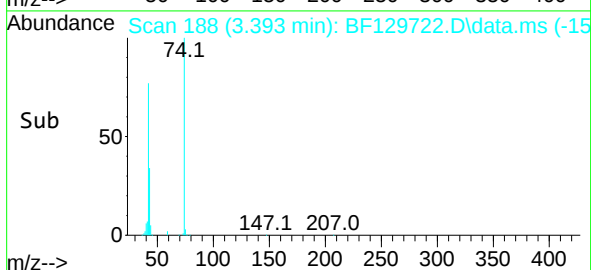
Reviewed By :Christian Giraldo 08/12/2022  
Supervised By :Jagrut Upadhyay 08/12/2022



#4  
n-Nitrosodimethylamine  
Concen: 46.074 ng  
RT: 3.393 min Scan# 188  
Delta R.T. 0.100 min  
Lab File: BF129722.D  
Acq: 11 Aug 2022 18:56



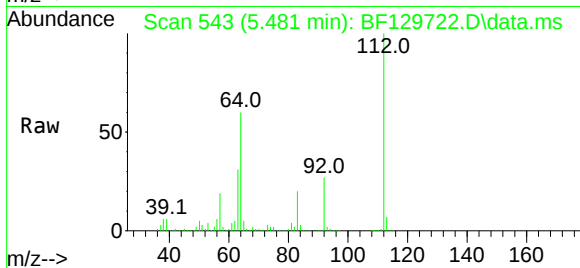
Tgt Ion: 42 Resp: 228934  
Ion Ratio Lower Upper  
42 100  
74 129.3 94.8 142.2  
44 6.5 6.6 10.0#





#5  
2-Fluorophenol  
Concen: 121.530 ng  
RT: 5.481 min Scan# 546  
Delta R.T. 0.012 min  
Lab File: BF129722.D  
Acq: 11 Aug 2022 18:56

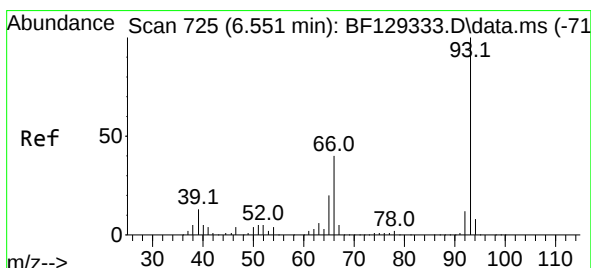
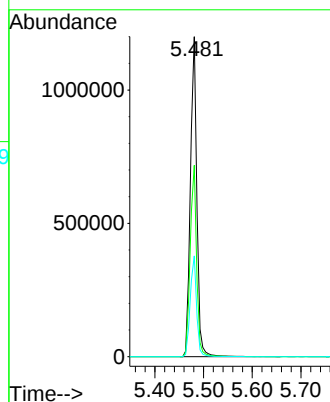
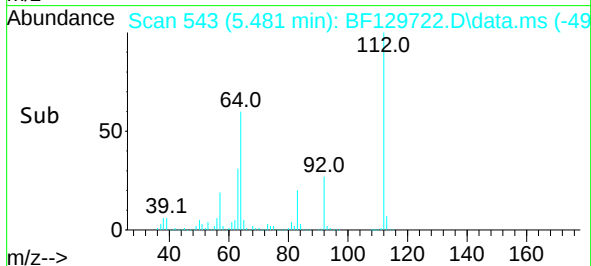
Instrument :  
BNA\_F  
ClientSampleId :  
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Tgt Ion:112 Resp: 109751  
Ion Ratio Lower Upper  
112 100  
64 59.8 53.3 79.9  
63 31.5 28.0 42.0

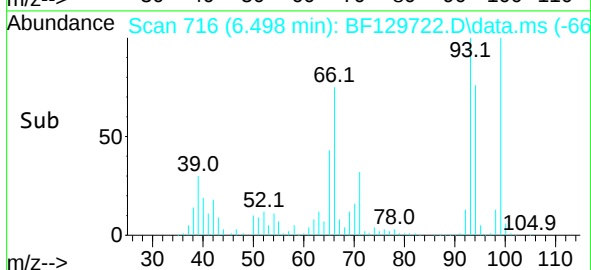
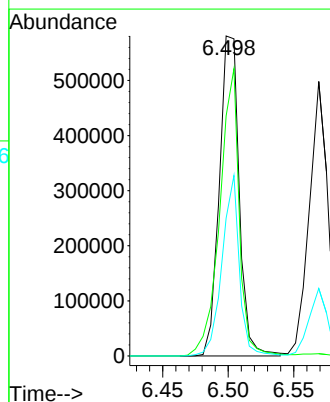
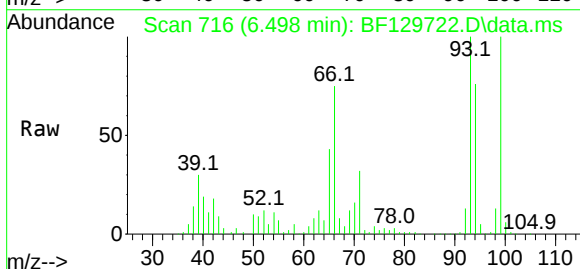
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#6  
Aniline  
Concen: 43.378 ng  
RT: 6.498 min Scan# 716  
Delta R.T. -0.006 min  
Lab File: BF129722.D  
Acq: 11 Aug 2022 18:56

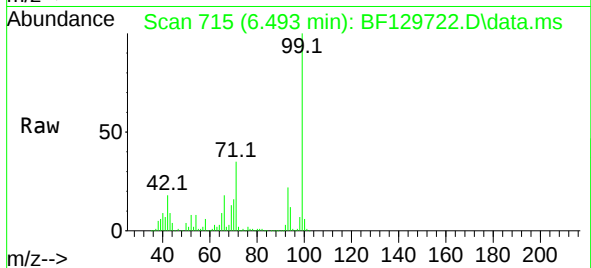
Tgt Ion: 93 Resp: 612127  
Ion Ratio Lower Upper  
93 100  
66 75.0 32.5 48.7#  
65 43.1 16.4 24.6#





#7  
Phenol-d6  
Concen: 122.808 ng  
RT: 6.493 min Scan# 719  
Delta R.T. -0.000 min  
Lab File: BF129722.D  
Acq: 11 Aug 2022 18:56

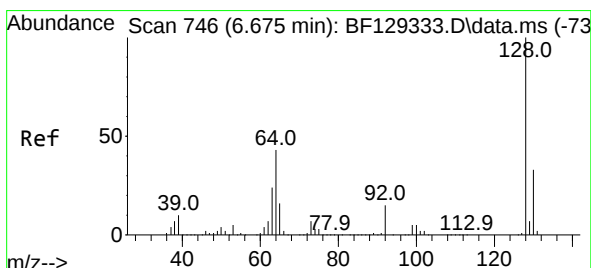
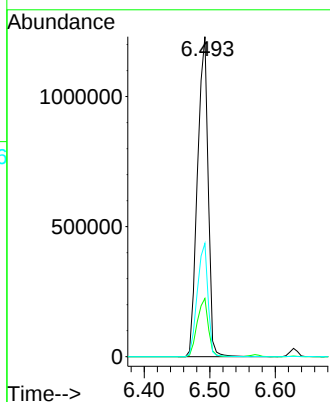
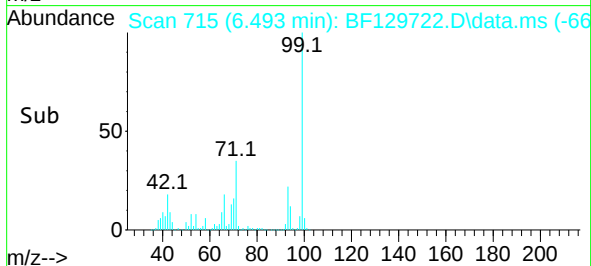
Instrument :  
BNA\_F  
ClientSampleId :  
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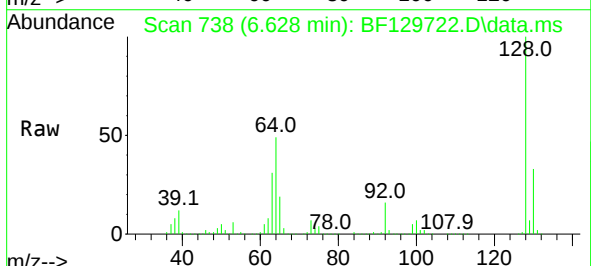
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Ion Ratio Lower Upper  
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42 18.2 17.3 25.9  
71 35.4 28.9 43.3

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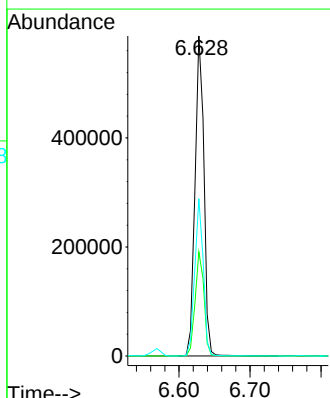
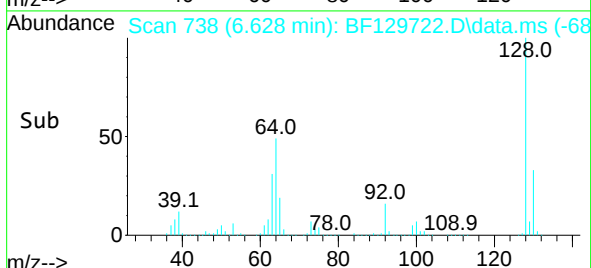
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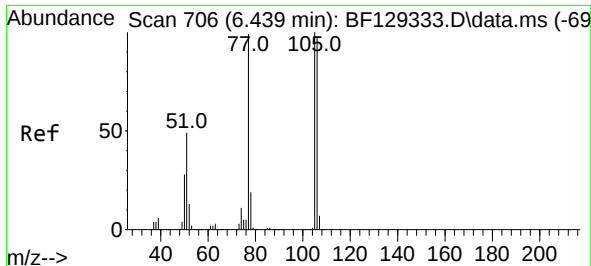


#8  
2-Chlorophenol  
Concen: 52.130 ng  
RT: 6.628 min Scan# 738  
Delta R.T. -0.006 min  
Lab File: BF129722.D  
Acq: 11 Aug 2022 18:56



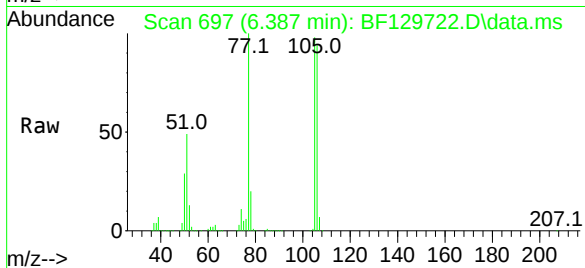
Tgt Ion:128 Resp: 514337  
Ion Ratio Lower Upper  
128 100  
130 32.5 13.1 53.1  
64 49.1 30.9 70.9





#9  
Benzaldehyde  
Concen: 45.770 ng  
RT: 6.387 min Scan# 697  
Delta R.T. -0.006 min  
Lab File: BF129722.D  
Acq: 11 Aug 2022 18:56

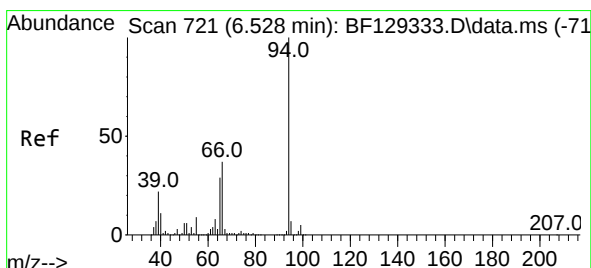
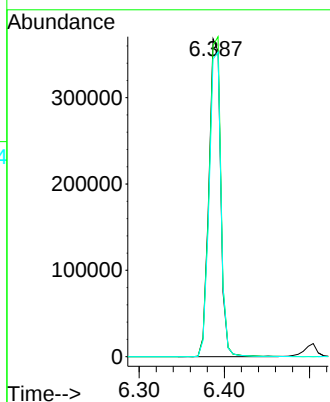
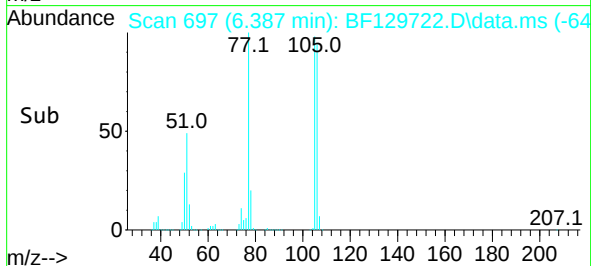
Instrument :  
BNA\_F  
ClientSampleId :  
SB07MSD



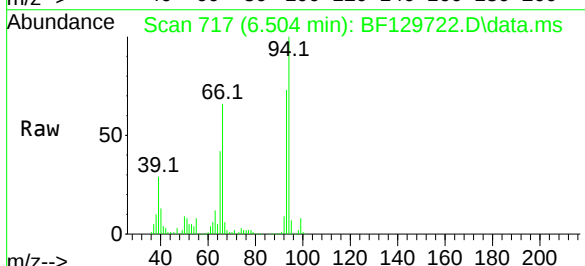
Tgt Ion: 77 Resp: 352820  
Ion Ratio Lower Upper  
77 100  
105 98.0 81.6 121.6  
106 93.6 76.1 116.1

Manual Integrations  
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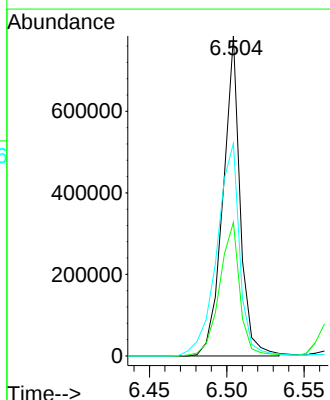
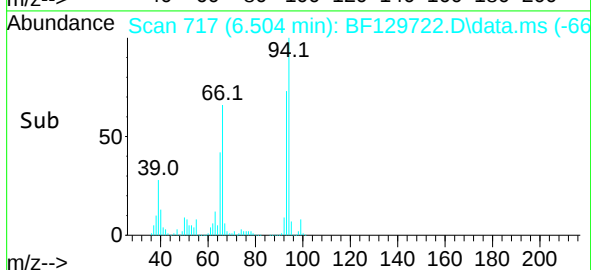
Reviewed By :Christian Giraldo 08/12/2022  
Supervised By :Jagrut Upadhyay 08/12/2022

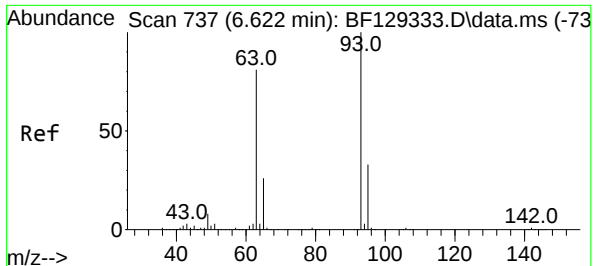


#10  
Phenol  
Concen: 50.275 ng m  
RT: 6.504 min Scan# 717  
Delta R.T. -0.000 min  
Lab File: BF129722.D  
Acq: 11 Aug 2022 18:56



Tgt Ion: 94 Resp: 607720  
Ion Ratio Lower Upper  
94 100  
65 41.7 11.4 51.4  
66 66.5 21.4 61.4#





#11

bis(2-Chloroethyl)ether

Concen: 49.237 ng

RT: 6.569 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF129722.D

Acq: 11 Aug 2022 18:56

Instrument :

BNA\_F

ClientSampleId :

SB07MSD

Tgt Ion: 93 Resp: 472000

Ion Ratio Lower Upper

93 100

63 78.5 67.4 107.4

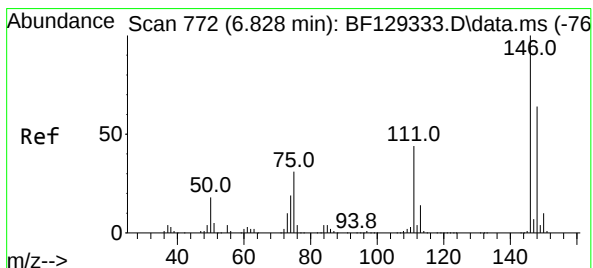
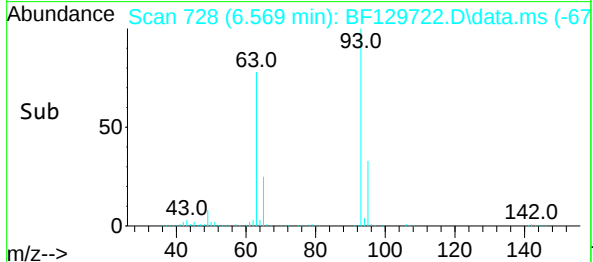
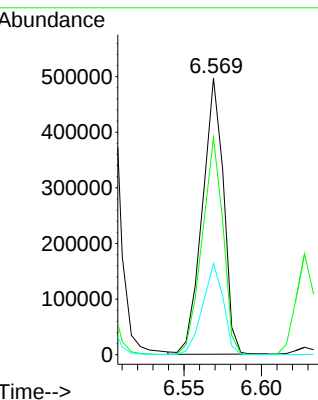
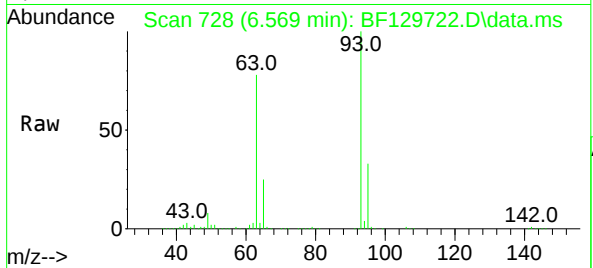
95 33.0 12.7 52.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/12/2022

Supervised By :Jagrut Upadhyay 08/12/2022



#12

1,3-Dichlorobenzene

Concen: 49.404 ng

RT: 6.775 min Scan# 763

Delta R.T. -0.006 min

Lab File: BF129722.D

Acq: 11 Aug 2022 18:56

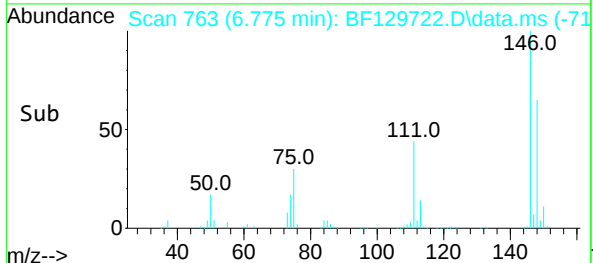
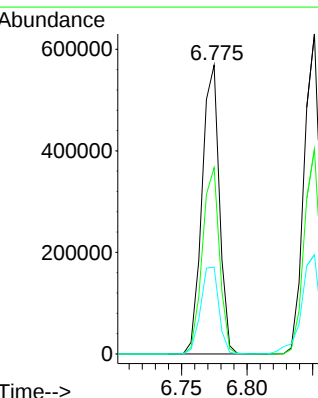
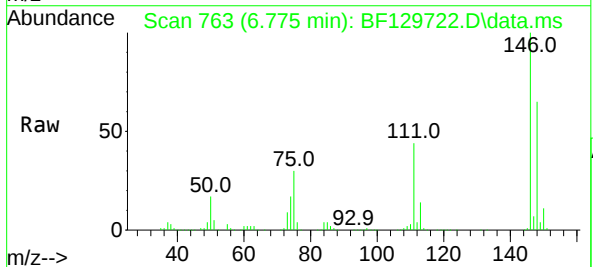
Tgt Ion:146 Resp: 522781

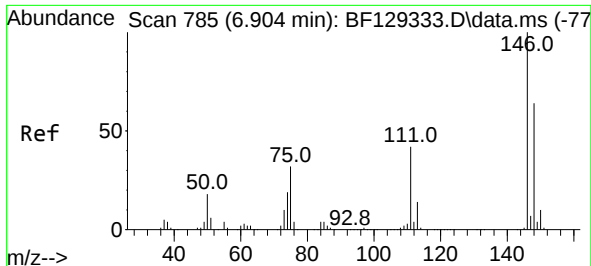
Ion Ratio Lower Upper

146 100

148 64.6 50.6 75.8

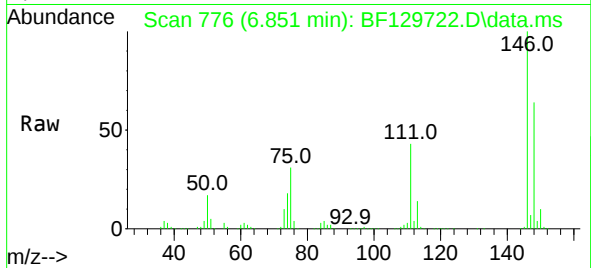
75 30.1 26.3 39.5





#13  
1,4-Dichlorobenzene  
Concen: 49.622 ng  
RT: 6.851 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF129722.D  
Acq: 11 Aug 2022 18:56

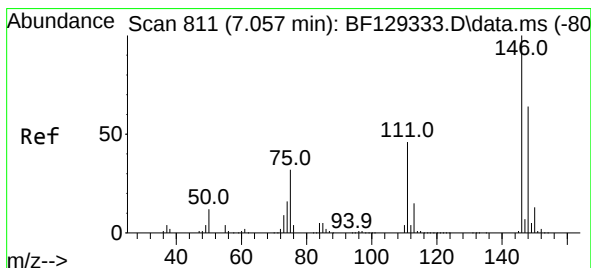
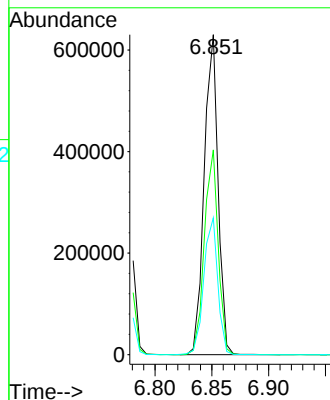
Instrument :  
BNA\_F  
ClientSampleId :  
SB07MSD



Tgt Ion:146 Resp: 534009  
Ion Ratio Lower Upper  
146 100  
148 64.0 51.1 76.7  
111 42.8 34.2 51.4

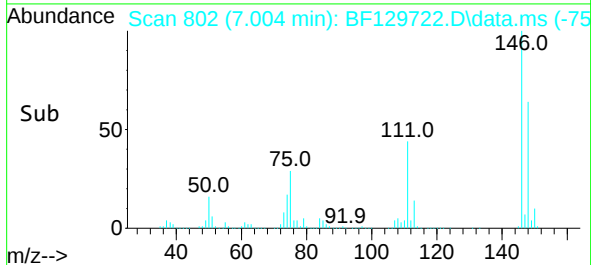
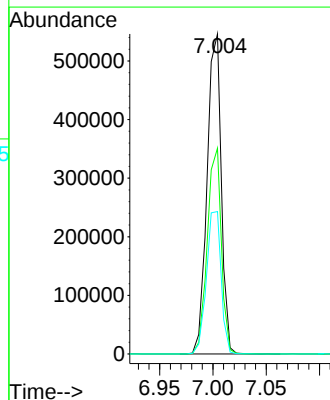
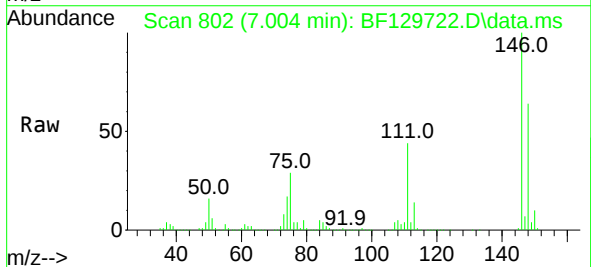
Manual Integrations  
APPROVED

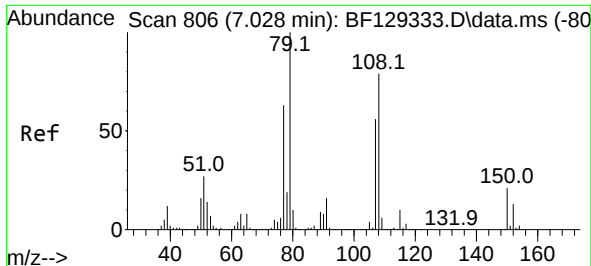
Reviewed By :Christian Giraldo 08/12/2022  
Supervised By :Jagrut Upadhyay 08/12/2022



#14  
1,2-Dichlorobenzene  
Concen: 51.333 ng  
RT: 7.004 min Scan# 802  
Delta R.T. -0.006 min  
Lab File: BF129722.D  
Acq: 11 Aug 2022 18:56

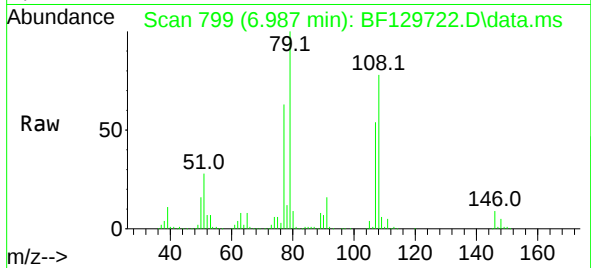
Tgt Ion:146 Resp: 507769  
Ion Ratio Lower Upper  
146 100  
148 64.3 51.8 77.8  
111 44.5 35.1 52.7





#15  
Benzyl Alcohol  
Concen: 52.674 ng  
RT: 6.987 min Scan# 79  
Delta R.T. -0.000 min  
Lab File: BF129722.D  
Acq: 11 Aug 2022 18:56

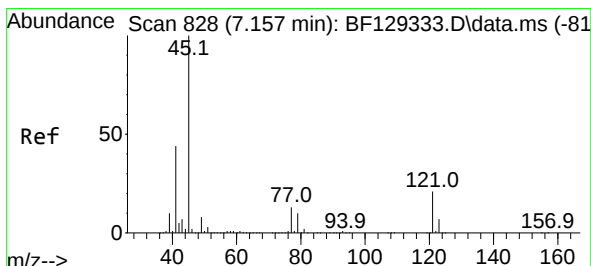
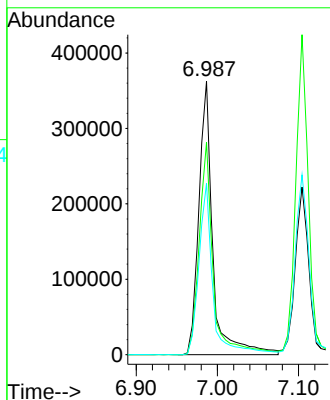
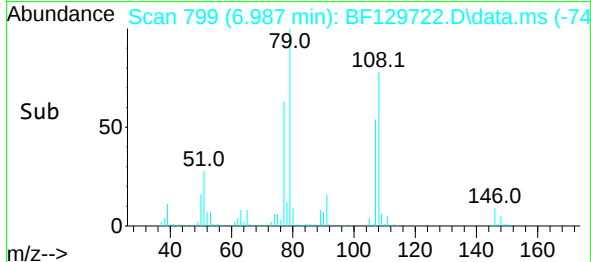
Instrument :  
BNA\_F  
ClientSampleId :  
SB07MSD



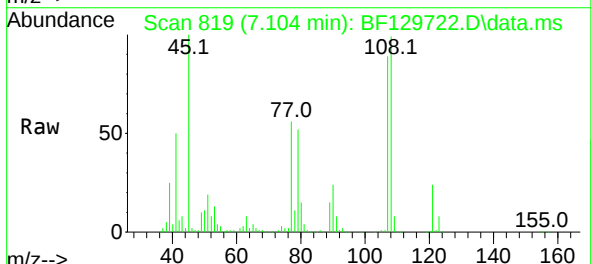
Tgt Ion: 79 Resp: 433638  
Ion Ratio Lower Upper  
79 100  
108 77.6 61.8 92.6  
77 62.6 50.2 75.4

Manual Integrations  
APPROVED

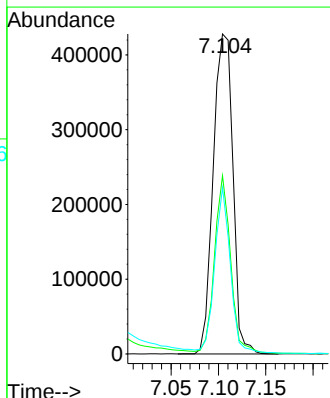
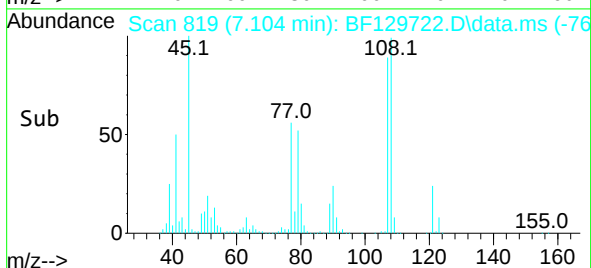
Reviewed By :Christian Giraldo 08/12/2022  
Supervised By :Jagrut Upadhyay 08/12/2022

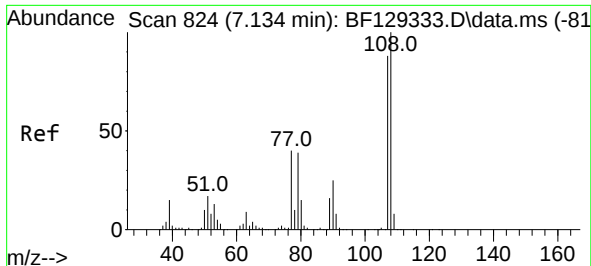


#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 42.857 ng  
RT: 7.104 min Scan# 819  
Delta R.T. -0.006 min  
Lab File: BF129722.D  
Acq: 11 Aug 2022 18:56



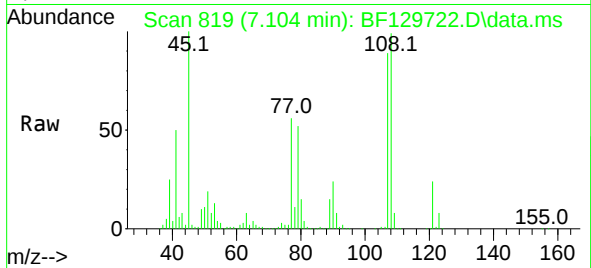
Tgt Ion: 45 Resp: 617571  
Ion Ratio Lower Upper  
45 100  
77 55.7 0.0 31.3#  
79 51.9 0.0 28.3#





#17  
2-Methylphenol  
Concen: 49.934 ng  
RT: 7.104 min Scan# 819  
Delta R.T. -0.006 min  
Lab File: BF129722.D  
Acq: 11 Aug 2022 18:56

Instrument :  
BNA\_F  
ClientSampleId :  
SB07MSD

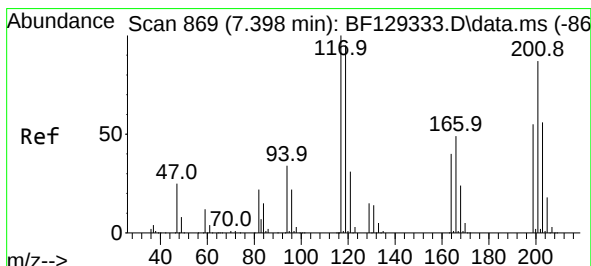
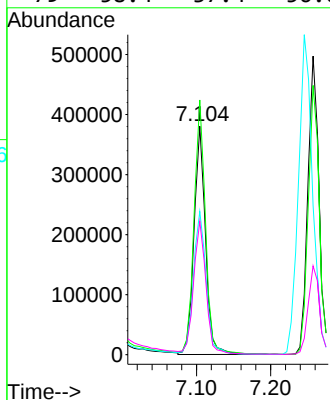
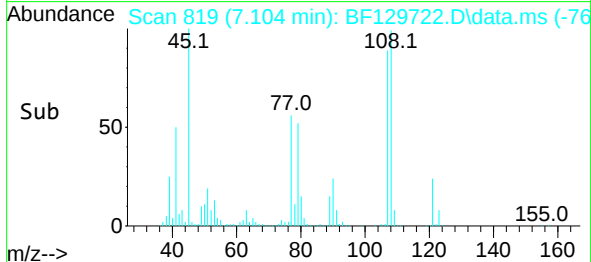


Tgt Ion:107 Resp: 408715

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 107 | 100   |       |       |
| 108 | 111.5 | 91.9  | 137.9 |
| 77  | 62.7  | 37.8  | 56.8  |
| 79  | 58.4  | 37.4  | 56.0  |

Manual Integrations  
APPROVED

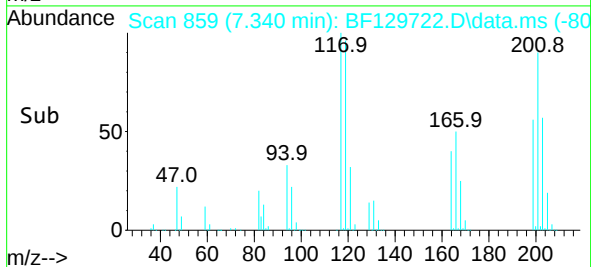
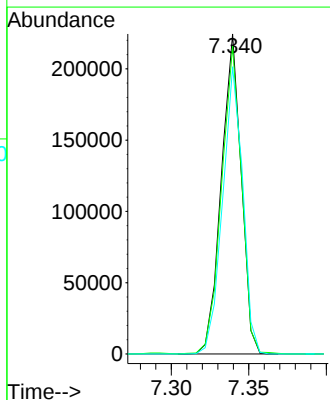
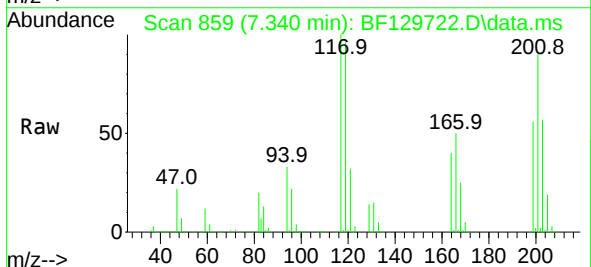
Reviewed By :Christian Giraldo 08/12/2022  
Supervised By :Jagrut Upadhyay 08/12/2022



#18  
Hexachloroethane  
Concen: 49.294 ng  
RT: 7.340 min Scan# 859  
Delta R.T. -0.006 min  
Lab File: BF129722.D  
Acq: 11 Aug 2022 18:56

Tgt Ion:117 Resp: 199749

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 119 | 96.3  | 77.4  | 116.2 |
| 201 | 89.8  | 84.6  | 127.0 |





#19

n-Nitroso-di-n-propylamine

Concen: 50.724 ng

RT: 7.251 min Scan# 84

Delta R.T. -0.006 min

Lab File: BF129722.D

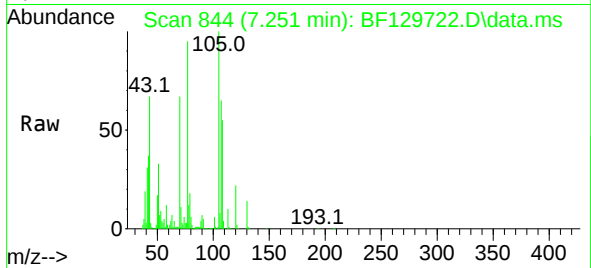
Acq: 11 Aug 2022 18:56

Instrument :

BNA\_F

ClientSampleId :

SB07MSD



Tgt Ion: 70 Resp: 348574

Ion Ratio Lower Upper

70 100

42 55.0 52.3 78.5

101 9.5 7.5 11.3

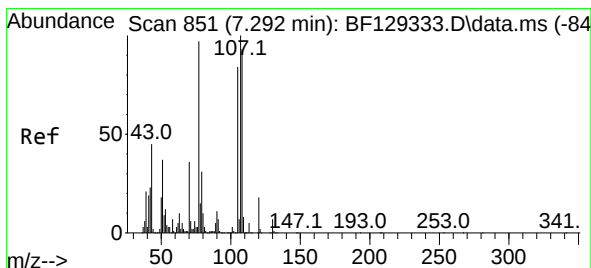
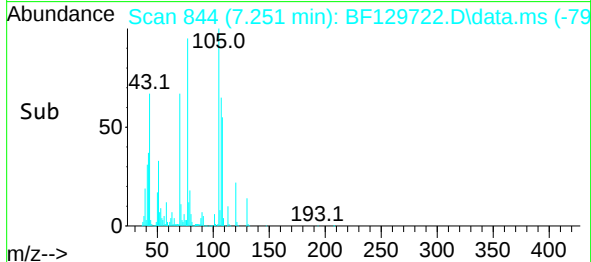
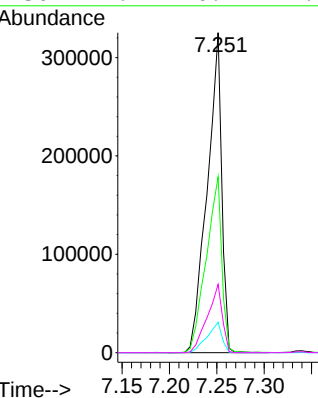
130 21.4 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/12/2022

Supervised By :Jagrut Upadhyay 08/12/2022



#20

3+4-Methylphenols

Concen: 50.170 ng

RT: 7.257 min Scan# 845

Delta R.T. -0.006 min

Lab File: BF129722.D

Acq: 11 Aug 2022 18:56

Tgt Ion:107 Resp: 522122

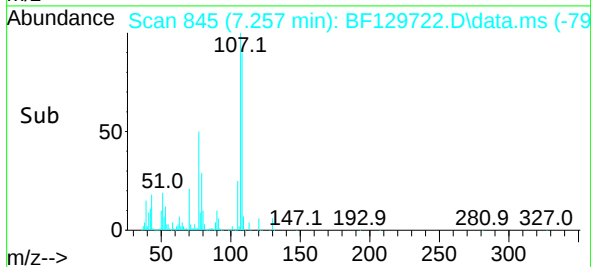
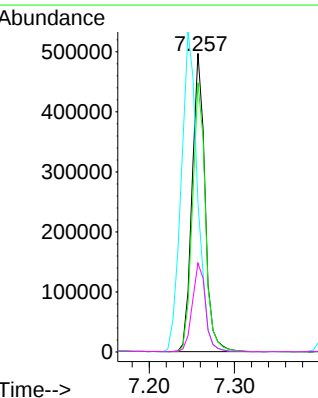
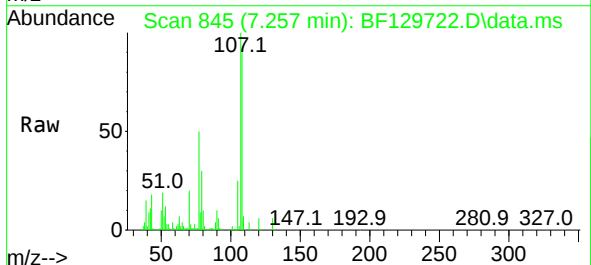
Ion Ratio Lower Upper

107 100

108 90.2 71.8 111.8

77 50.0 59.3 99.3#

79 29.7 11.7 51.7





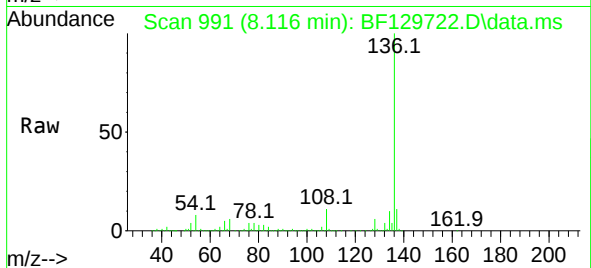
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.116 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BF129722.D  
Acq: 11 Aug 2022 18:56

Instrument :

BNA\_F

ClientSampleId :

SB07MSD

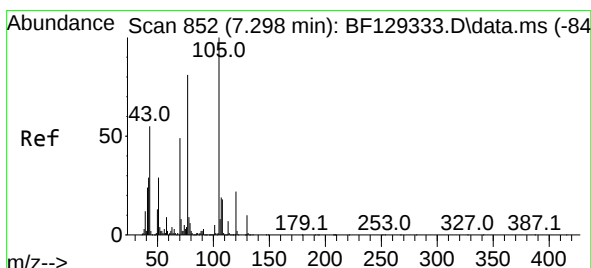
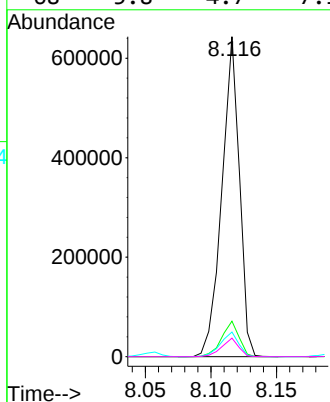
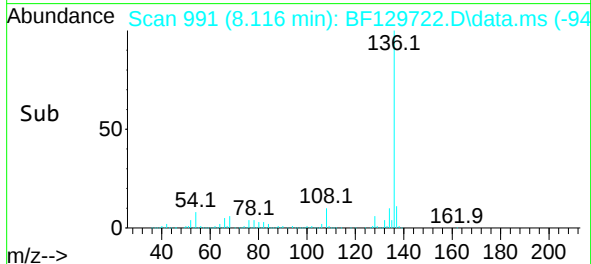


Tgt Ion:136 Resp: 597640  
Ion Ratio Lower Upper  
136 100  
137 11.1 8.8 13.2  
54 7.7 7.5 11.3  
68 5.8 4.7 7.1

Manual Integrations

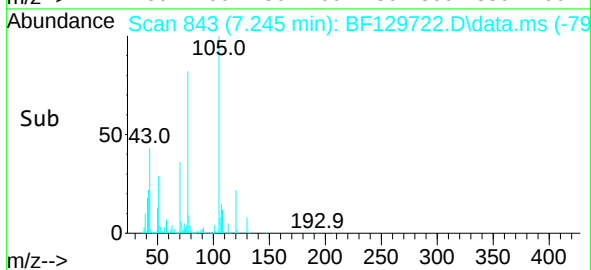
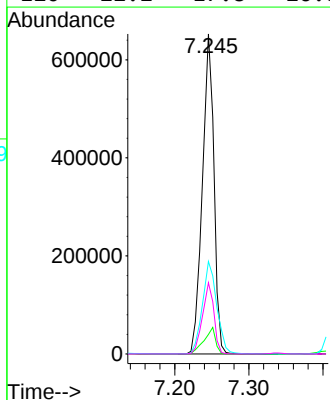
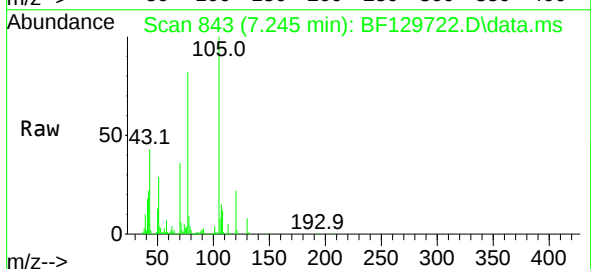
APPROVED

Reviewed By :Christian Giraldo 08/12/2022  
Supervised By :Jagrut Upadhyay 08/12/2022



#22  
Acetophenone  
Concen: 50.829 ng  
RT: 7.245 min Scan# 843  
Delta R.T. -0.006 min  
Lab File: BF129722.D  
Acq: 11 Aug 2022 18:56

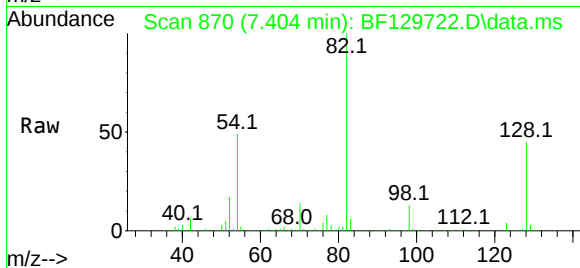
Tgt Ion:105 Resp: 707252  
Ion Ratio Lower Upper  
105 100  
71 6.1 5.0 7.4  
51 28.9 25.0 37.4  
120 22.2 17.8 26.8





#23  
Nitrobenzene-d5  
Concen: 81.333 ng  
RT: 7.404 min Scan# 811  
Delta R.T. -0.006 min  
Lab File: BF129722.D  
Acq: 11 Aug 2022 18:56

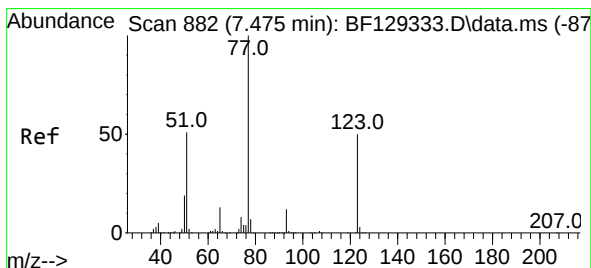
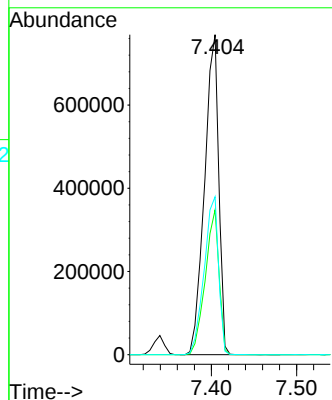
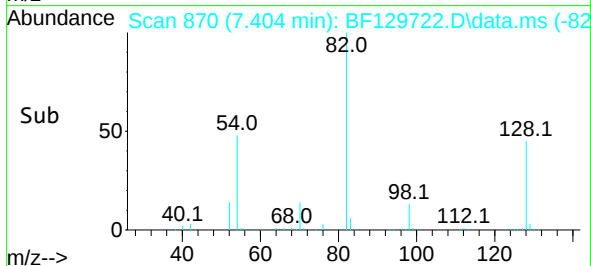
Instrument :  
BNA\_F  
ClientSampleId :  
SB07MSD



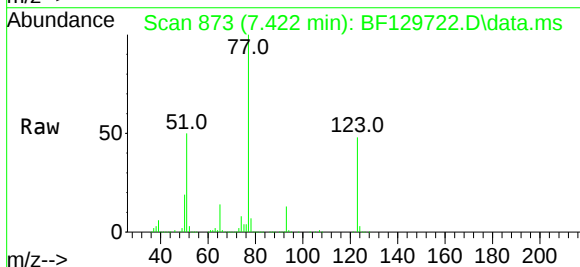
Tgt Ion: 82 Resp: 89045  
Ion Ratio Lower Upper  
82 100  
128 45.3 34.0 51.0  
54 49.3 46.9 70.3

Manual Integrations  
APPROVED

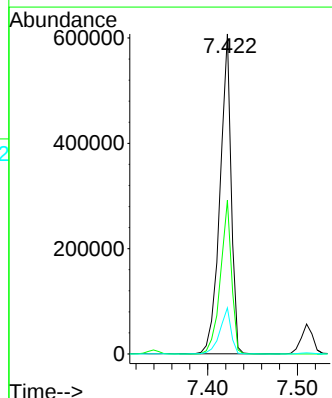
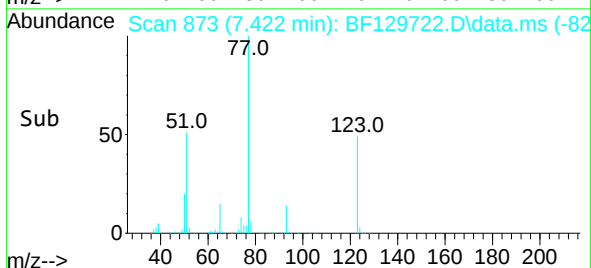
Reviewed By :Christian Giraldo 08/12/2022  
Supervised By :Jagrut Upadhyay 08/12/2022

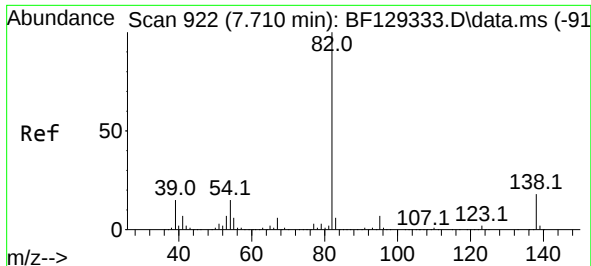


#24  
Nitrobenzene  
Concen: 46.678 ng  
RT: 7.422 min Scan# 873  
Delta R.T. -0.006 min  
Lab File: BF129722.D  
Acq: 11 Aug 2022 18:56



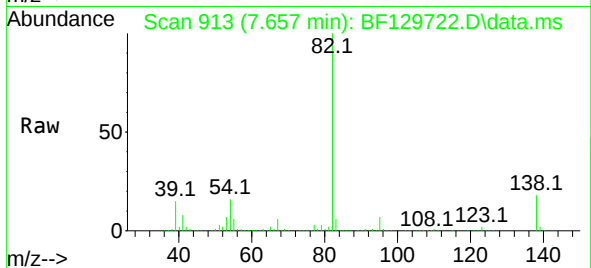
Tgt Ion: 77 Resp: 526250  
Ion Ratio Lower Upper  
77 100  
123 48.0 35.4 53.2  
65 14.4 11.8 17.8





#25  
Isophorone  
Concen: 49.003 ng  
RT: 7.657 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BF129722.D  
Acq: 11 Aug 2022 18:56

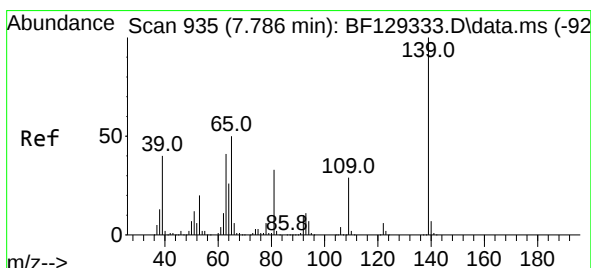
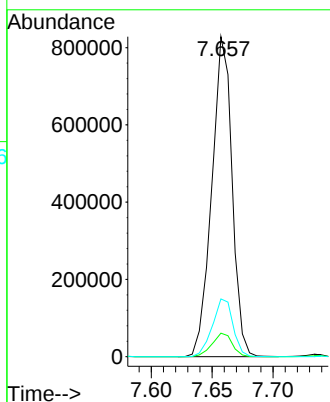
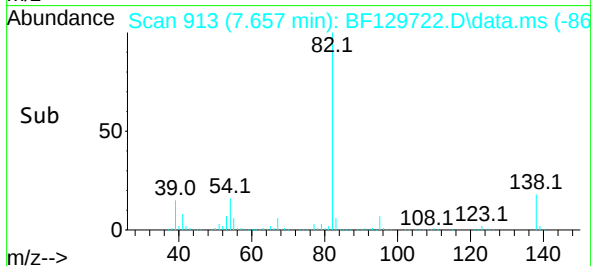
Instrument :  
BNA\_F  
ClientSampleId :  
SB07MSD



Tgt Ion: 82 Resp: 961670  
Ion Ratio Lower Upper  
82 100  
95 7.3 5.7 8.5  
138 18.0 14.2 21.2

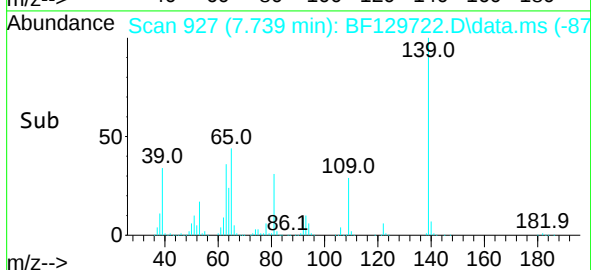
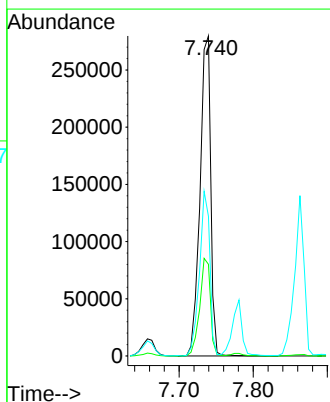
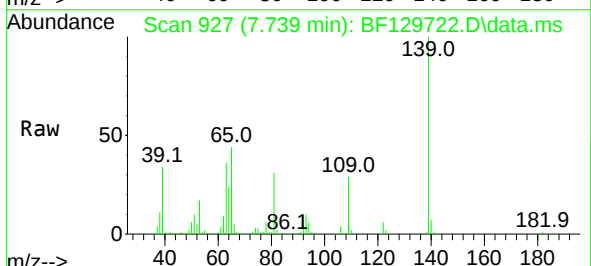
Manual Integrations  
APPROVED

Reviewed By :Christian Giraldo 08/12/2022  
Supervised By :Jagrut Upadhyay 08/12/2022



#26  
2-Nitrophenol  
Concen: 50.495 ng  
RT: 7.739 min Scan# 927  
Delta R.T. -0.000 min  
Lab File: BF129722.D  
Acq: 11 Aug 2022 18:56

Tgt Ion:139 Resp: 280844  
Ion Ratio Lower Upper  
139 100  
109 28.6 25.0 37.4  
65 43.6 45.1 67.7#





#27

2,4-Dimethylphenol

Concen: 55.330 ng m

RT: 7.781 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF129722.D

Acq: 11 Aug 2022 18:56

Instrument :

BNA\_F

ClientSampleId :

SB07MSD

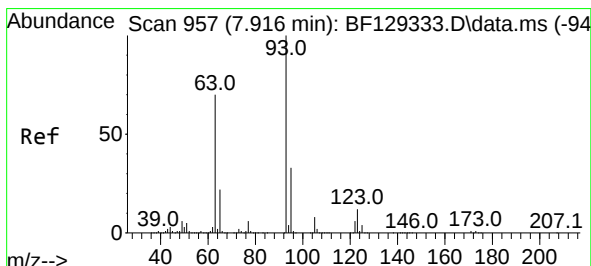
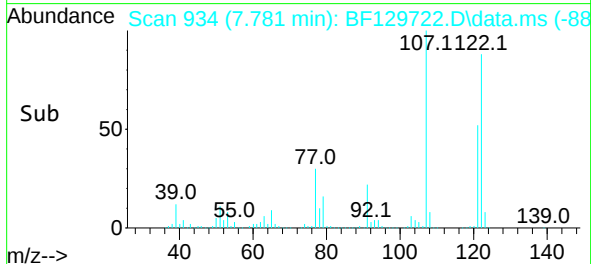
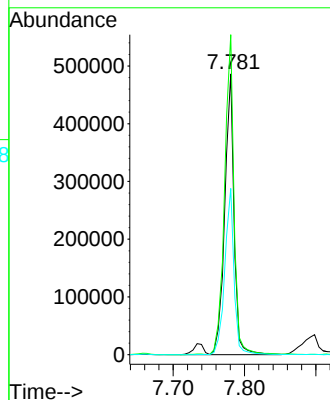
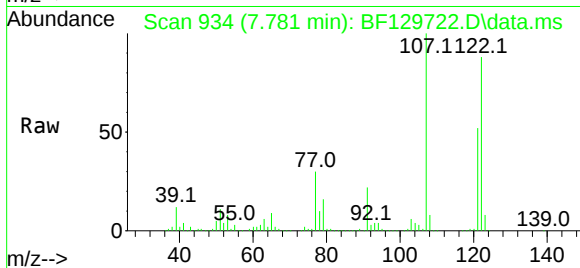
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 122   | Resp: | 46160 |
| Ion Ratio | Lower | Upper |       |
| 122       | 100   |       |       |
| 107       | 114.0 | 93.0  | 139.6 |
| 121       | 59.2  | 46.6  | 70.0  |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/12/2022

Supervised By :Jagrut Upadhyay 08/12/2022



#28

bis(2-Chloroethoxy)methane

Concen: 51.878 ng

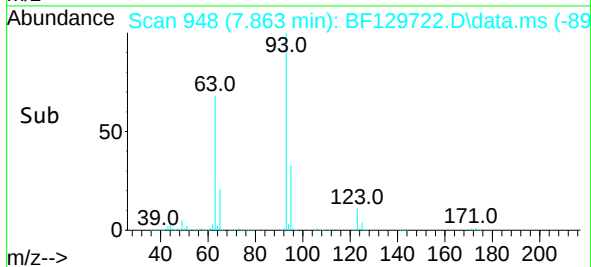
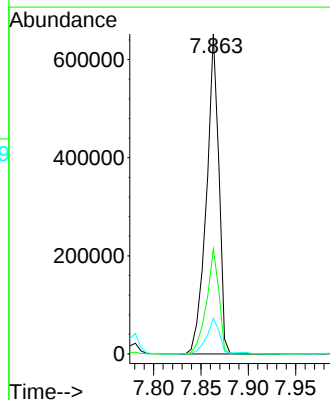
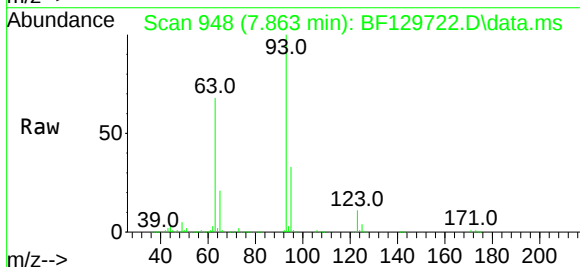
RT: 7.863 min Scan# 948

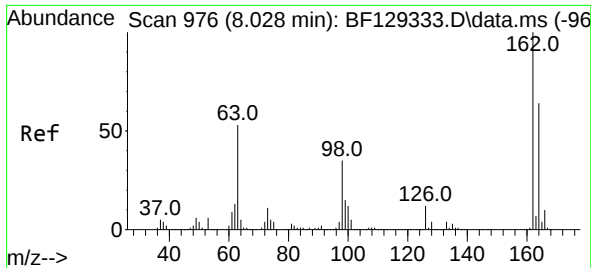
Delta R.T. -0.006 min

Lab File: BF129722.D

Acq: 11 Aug 2022 18:56

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 93    | Resp: | 590600 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 95        | 32.8  | 26.8  | 40.2   |
| 123       | 11.1  | 9.2   | 13.8   |





#29

2,4-Dichlorophenol

Concen: 49.369 ng

RT: 7.987 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF129722.D

Acq: 11 Aug 2022 18:56

Instrument :

BNA\_F

ClientSampleId :

SB07MSD

Tgt Ion:162 Resp: 425108

Ion Ratio Lower Upper

162 100

164 62.9 44.2 84.2

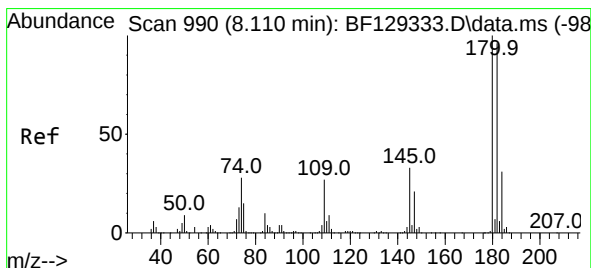
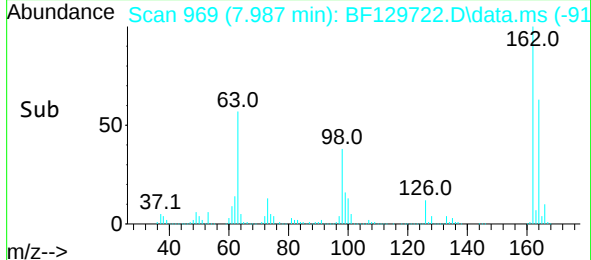
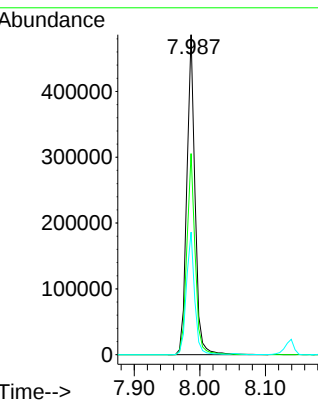
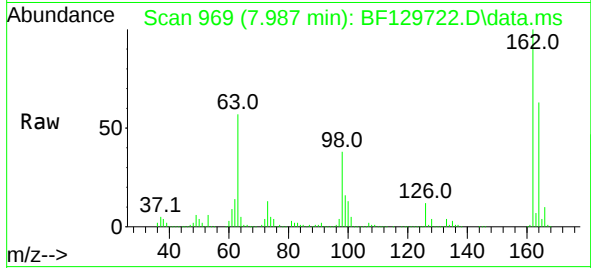
98 38.3 19.6 59.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/12/2022

Supervised By :Jagrut Upadhyay 08/12/2022



#30

1,2,4-Trichlorobenzene

Concen: 47.457 ng

RT: 8.057 min Scan# 981

Delta R.T. -0.006 min

Lab File: BF129722.D

Acq: 11 Aug 2022 18:56

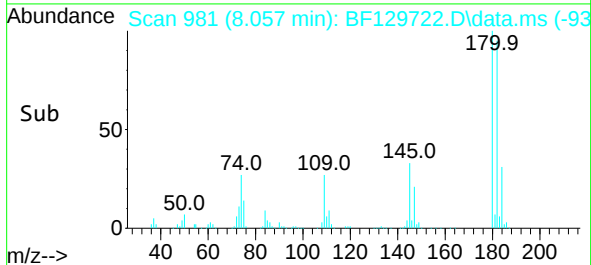
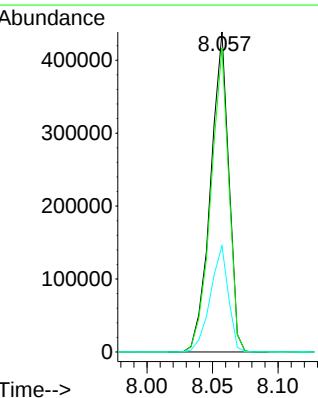
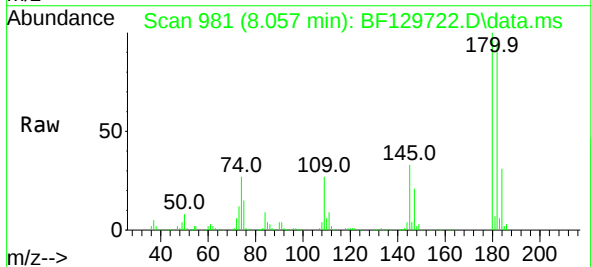
Tgt Ion:180 Resp: 422978

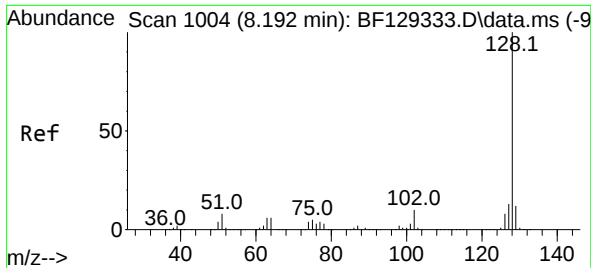
Ion Ratio Lower Upper

180 100

182 95.0 79.2 118.8

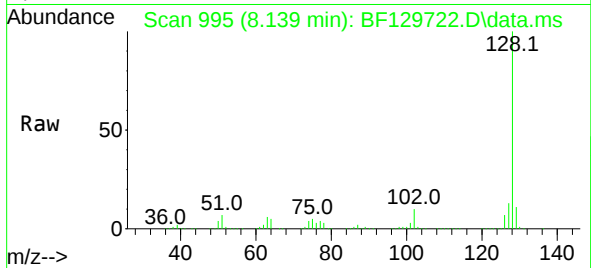
145 33.2 26.2 39.2





#31  
Naphthalene  
Concen: 47.663 ng  
RT: 8.139 min Scan# 94  
Delta R.T. -0.006 min  
Lab File: BF129722.D  
Acq: 11 Aug 2022 18:56

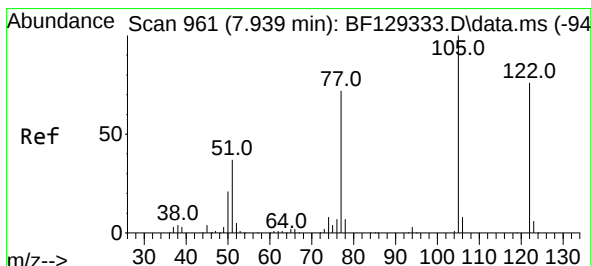
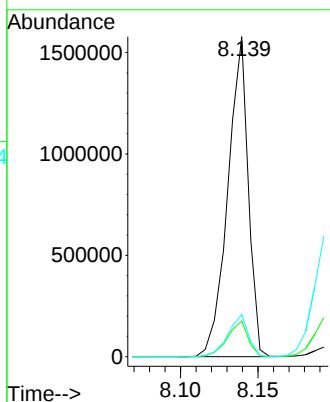
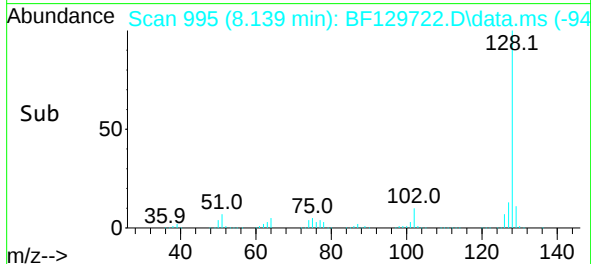
Instrument :  
BNA\_F  
Client SampleId :  
SB07MSD



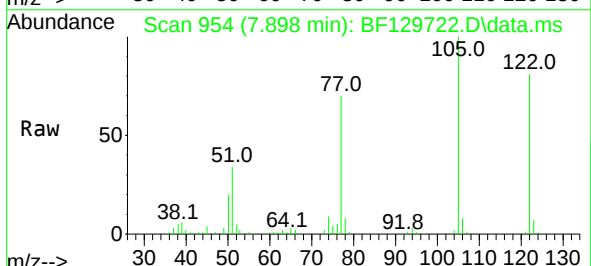
Tgt Ion:128 Resp: 144723  
Ion Ratio Lower Upper  
128 100  
129 11.1 9.2 13.8  
127 13.2 10.5 15.7

Manual Integrations  
APPROVED

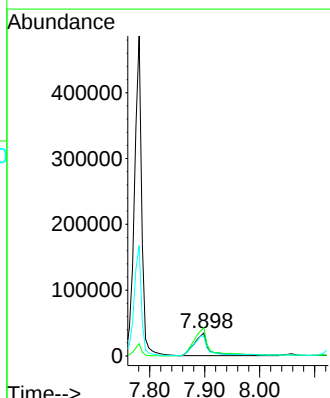
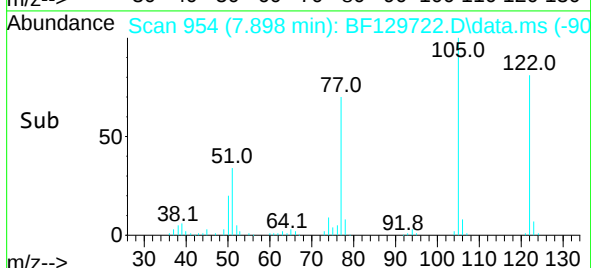
Reviewed By :Christian Giraldo 08/12/2022  
Supervised By :Jagrut Upadhyay 08/12/2022



#32  
Benzoic acid  
Concen: 10.844 ng  
RT: 7.898 min Scan# 954  
Delta R.T. -0.018 min  
Lab File: BF129722.D  
Acq: 11 Aug 2022 18:56



Tgt Ion:122 Resp: 65400  
Ion Ratio Lower Upper  
122 100  
105 123.7 107.1 147.1  
77 87.1 74.2 114.2





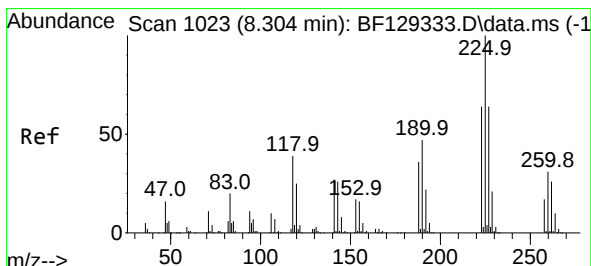
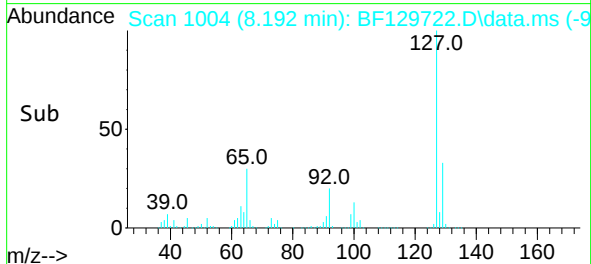
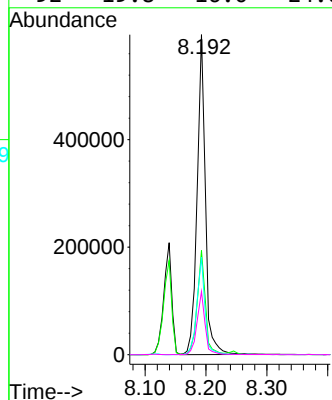
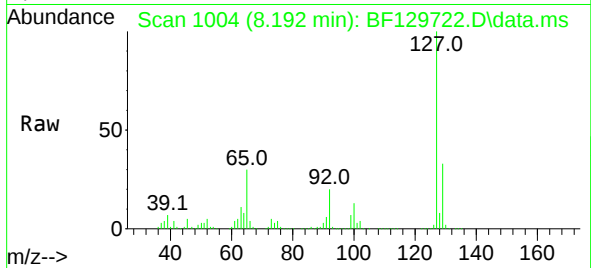
#33  
4-Chloroaniline  
Concen: 45.215 ng  
RT: 8.192 min Scan# 1012  
Delta R.T. -0.006 min  
Lab File: BF129722.D  
Acq: 11 Aug 2022 18:56

Instrument :  
BNA\_F  
ClientSampleId :  
SB07MSD

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 127   | Resp: | 56366 |
| Ion Ratio | Lower | Upper |       |
| 127       | 100   |       |       |
| 129       | 32.5  | 26.4  | 39.6  |
| 65        | 30.4  | 26.4  | 39.6  |
| 92        | 19.8  | 16.0  | 24.0  |

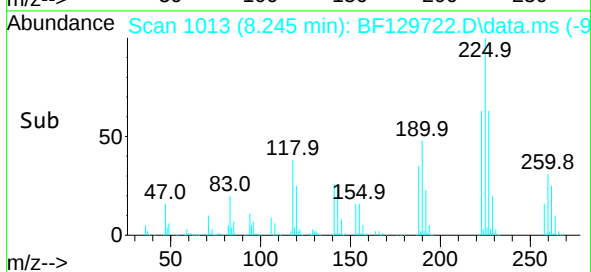
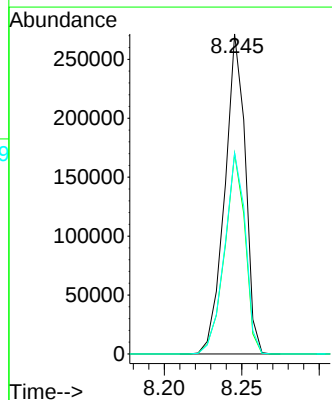
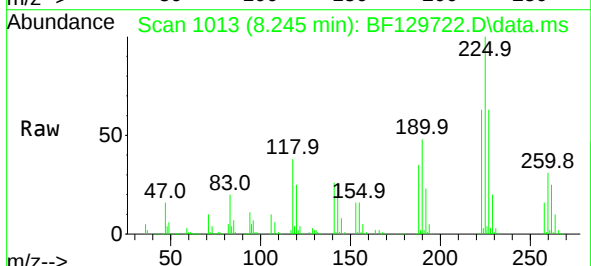
Manual Integrations  
APPROVED

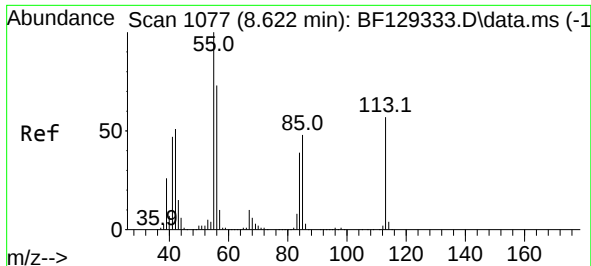
Reviewed By :Christian Giraldo 08/12/2022  
Supervised By :Jagrut Upadhyay 08/12/2022



#34  
Hexachlorobutadiene  
Concen: 49.460 ng  
RT: 8.245 min Scan# 1013  
Delta R.T. -0.006 min  
Lab File: BF129722.D  
Acq: 11 Aug 2022 18:56

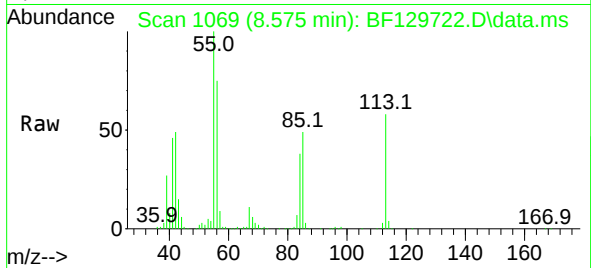
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 225   | Resp: | 250582 |
| Ion Ratio | Lower | Upper |        |
| 225       | 100   |       |        |
| 223       | 62.7  | 51.0  | 76.6   |
| 227       | 62.8  | 51.1  | 76.7   |





#35  
Caprolactam  
Concen: 46.623 ng m  
RT: 8.575 min Scan# 1069  
Delta R.T. -0.006 min  
Lab File: BF129722.D  
Acq: 11 Aug 2022 18:56

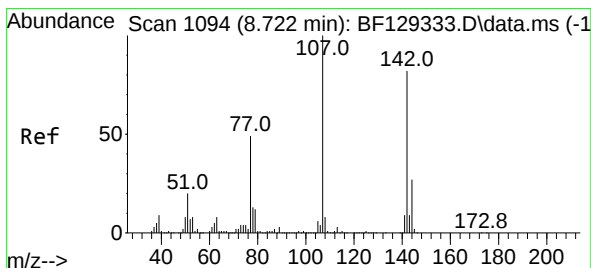
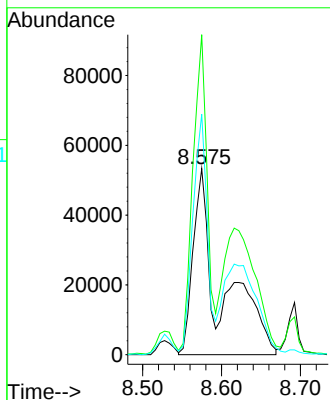
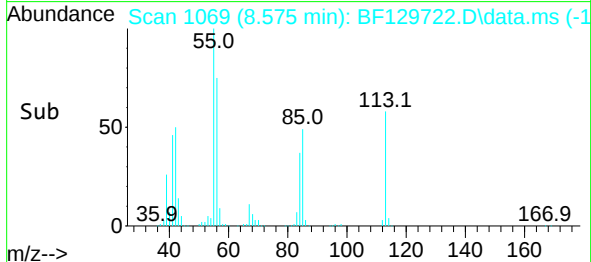
Instrument :  
BNA\_F  
ClientSampleId :  
SB07MSD



Tgt Ion:113 Resp: 13052  
Ion Ratio Lower Upper  
113 100  
55 171.9 188.5 228.5  
56 129.2 130.6 170.6

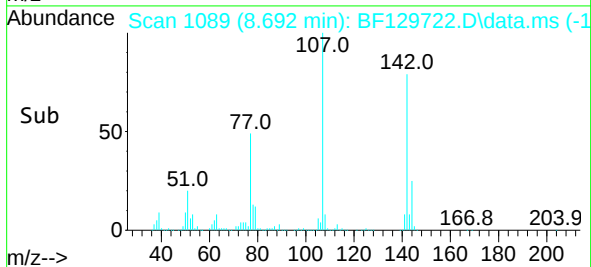
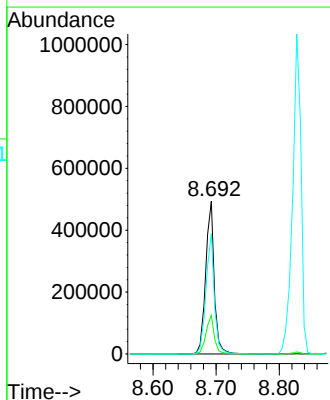
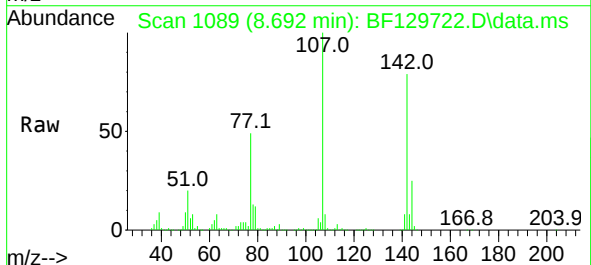
Manual Integrations  
APPROVED

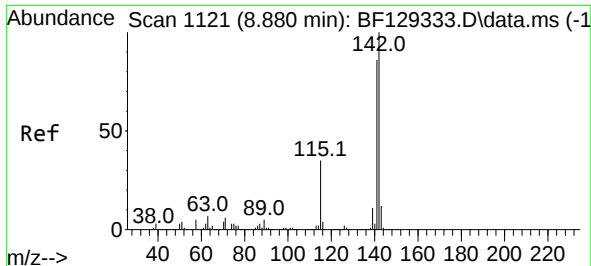
Reviewed By :Christian Giraldo 08/12/2022  
Supervised By :Jagrut Upadhyay 08/12/2022



#36  
4-Chloro-3-methylphenol  
Concen: 51.017 ng  
RT: 8.692 min Scan# 1089  
Delta R.T. -0.000 min  
Lab File: BF129722.D  
Acq: 11 Aug 2022 18:56

Tgt Ion:107 Resp: 465929  
Ion Ratio Lower Upper  
107 100  
144 25.3 19.5 29.3  
142 78.8 58.2 87.4





#37

2-Methylnaphthalene

Concen: 48.723 ng

RT: 8.828 min Scan# 1112

Delta R.T. -0.006 min

Lab File: BF129722.D

Acq: 11 Aug 2022 18:56

Instrument :

BNA\_F

ClientSampleId :

SB07MSD

Tgt Ion:142 Resp: 961408

Ion Ratio Lower Upper

142 100

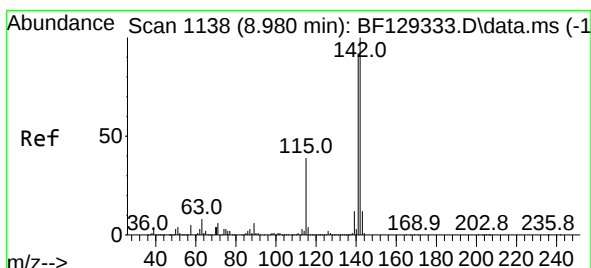
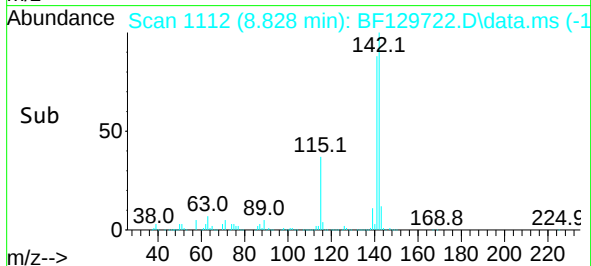
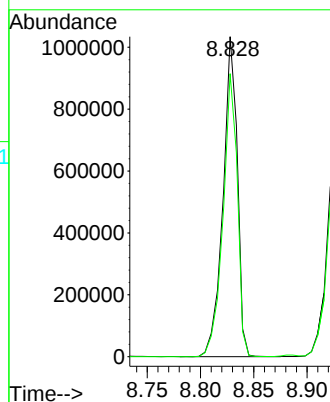
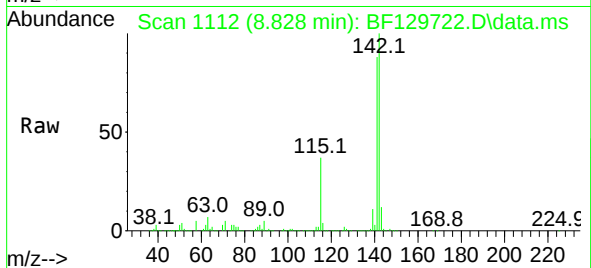
141 88.4 71.0 106.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/12/2022

Supervised By :Jagrut Upadhyay 08/12/2022



#38

1-Methylnaphthalene

Concen: 47.481 ng

RT: 8.928 min Scan# 1129

Delta R.T. -0.006 min

Lab File: BF129722.D

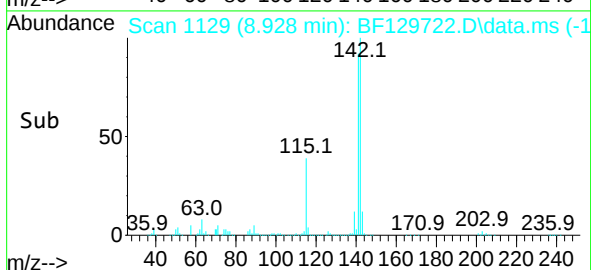
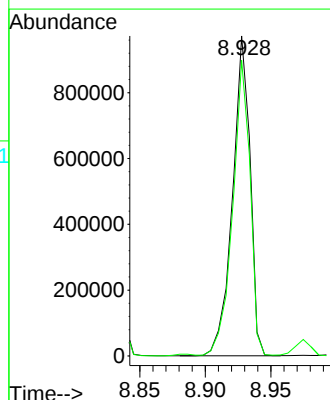
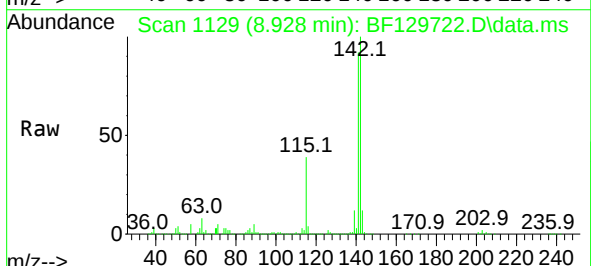
Acq: 11 Aug 2022 18:56

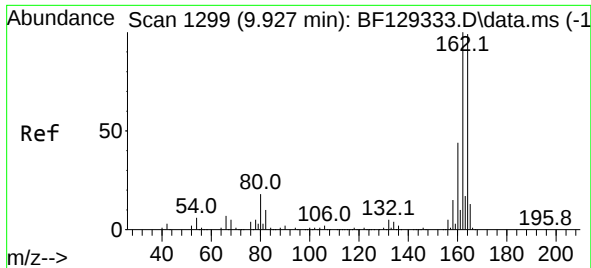
Tgt Ion:142 Resp: 904444

Ion Ratio Lower Upper

142 100

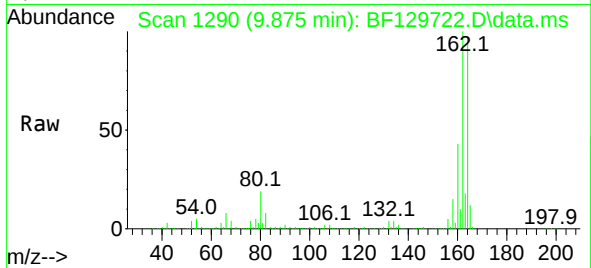
141 92.4 74.2 111.4





#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.875 min Scan# 1141  
Delta R.T. -0.006 min  
Lab File: BF129722.D  
Acq: 11 Aug 2022 18:56

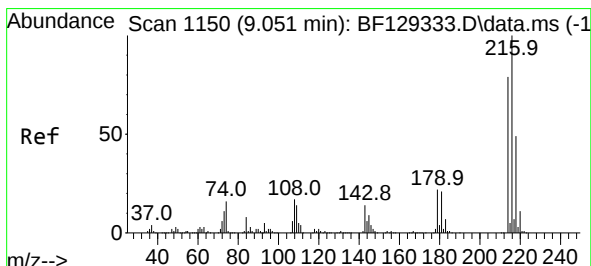
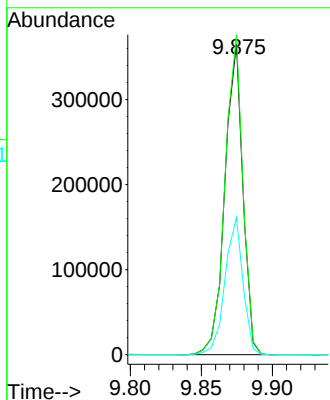
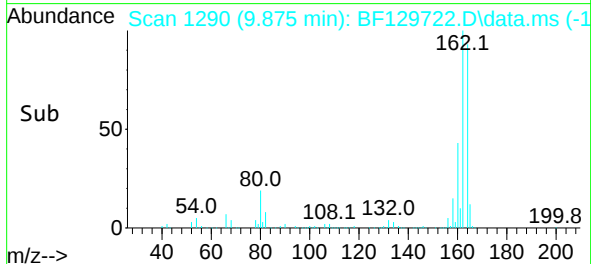
Instrument :  
BNA\_F  
ClientSampleId :  
SB07MSD



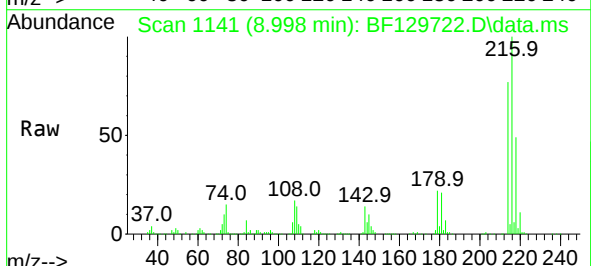
Tgt Ion:164 Resp: 321495  
Ion Ratio Lower Upper  
164 100  
162 102.9 79.5 119.3  
160 44.2 34.2 51.4

Manual Integrations  
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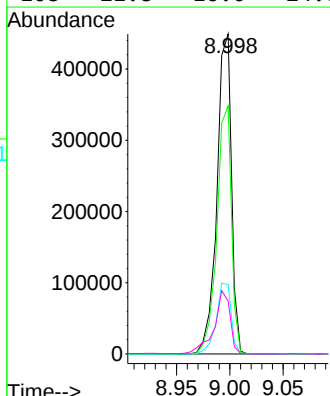
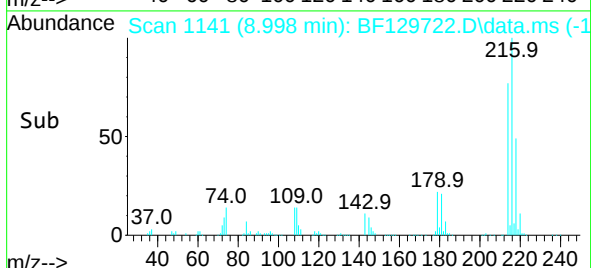
Reviewed By :Christian Giraldo 08/12/2022  
Supervised By :Jagrut Upadhyay 08/12/2022



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 50.328 ng  
RT: 8.998 min Scan# 1141  
Delta R.T. -0.000 min  
Lab File: BF129722.D  
Acq: 11 Aug 2022 18:56



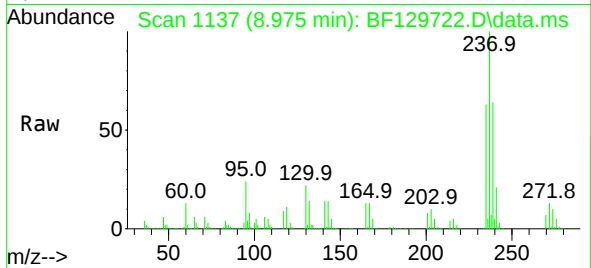
Tgt Ion:216 Resp: 424860  
Ion Ratio Lower Upper  
216 100  
214 77.6 63.6 95.4  
179 22.7 17.0 25.6  
108 21.8 16.0 24.0





#41  
Hexachlorocyclopentadiene  
Concen: 80.393 ng  
RT: 8.975 min Scan# 1147  
Delta R.T. -0.006 min  
Lab File: BF129722.D  
Acq: 11 Aug 2022 18:56

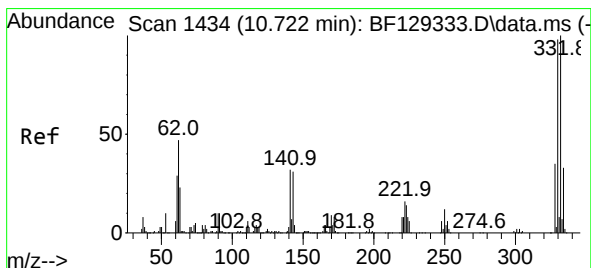
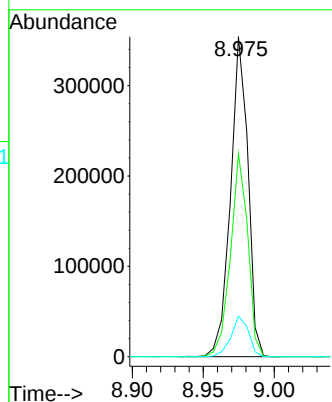
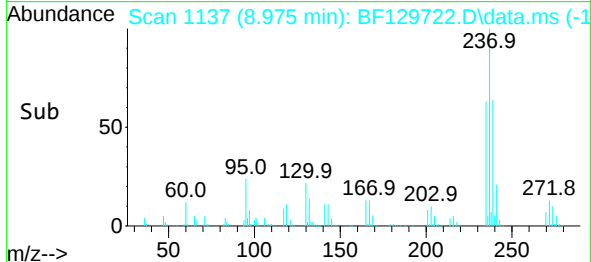
Instrument :  
BNA\_F  
ClientSampleId :  
SB07MSD



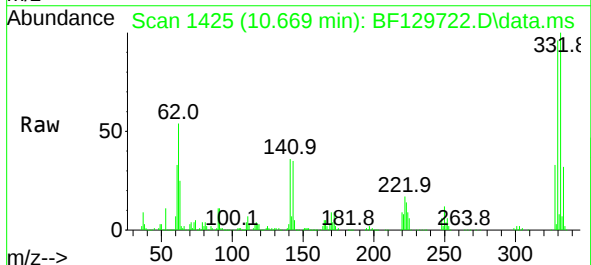
Tgt Ion: 237 Resp: 30220  
Ion Ratio Lower Upper  
237 100  
235 63.5 43.2 83.2  
272 12.6 0.0 31.9

Manual Integrations  
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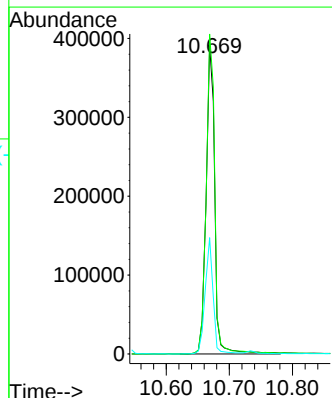
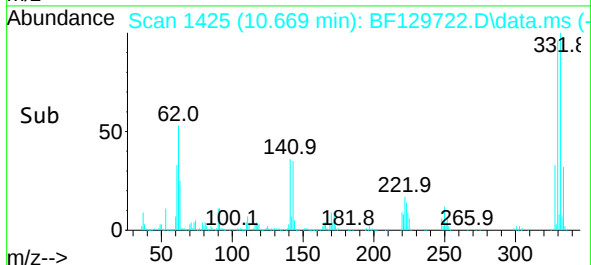
Reviewed By : Christian Giraldo 08/12/2022  
Supervised By : Jagrut Upadhyay 08/12/2022

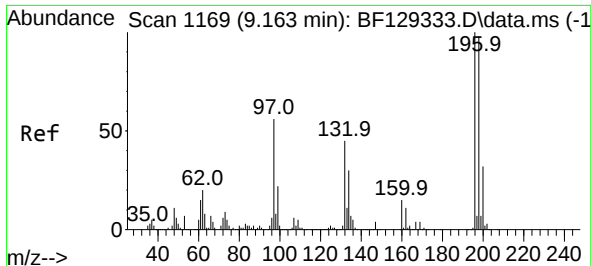


#42  
2,4,6-Tribromophenol  
Concen: 120.168 ng  
RT: 10.669 min Scan# 1425  
Delta R.T. -0.006 min  
Lab File: BF129722.D  
Acq: 11 Aug 2022 18:56



Tgt Ion: 330 Resp: 371432  
Ion Ratio Lower Upper  
330 100  
332 104.7 76.8 115.2  
141 34.9 28.0 42.0





#43

2,4,6-Trichlorophenol

Concen: 44.120 ng

RT: 9.116 min Scan# 1169

Delta R.T. -0.006 min

Lab File: BF129722.D

Acq: 11 Aug 2022 18:56

Instrument :

BNA\_F

ClientSampleId :

SB07MSD

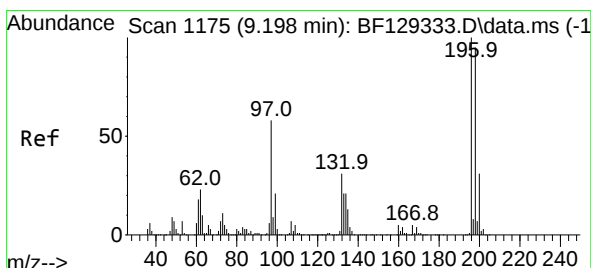
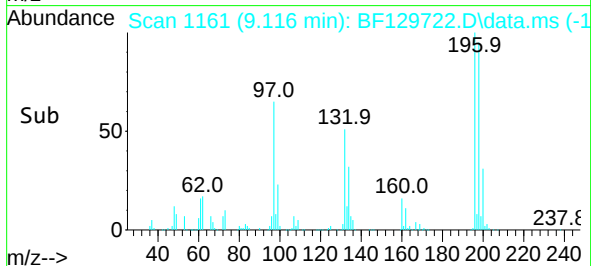
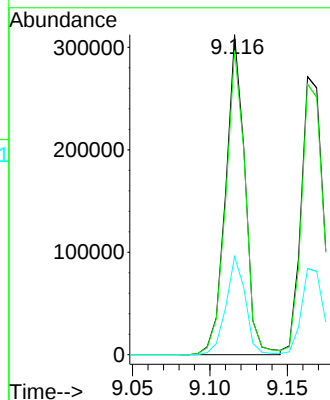
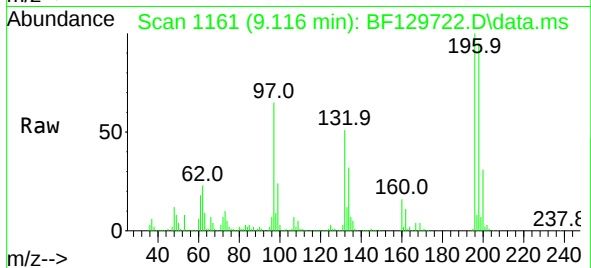
Tgt Ion:196 Resp: 270510  
 Ion Ratio Lower Upper  
 196 100  
 198 95.0 74.0 111.0  
 200 30.7 24.1 36.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/12/2022

Supervised By :Jagrut Upadhyay 08/12/2022



#44

2,4,5-Trichlorophenol

Concen: 43.286 ng

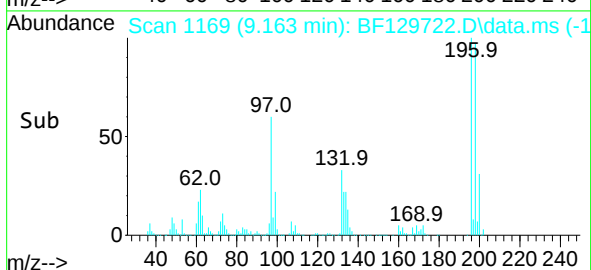
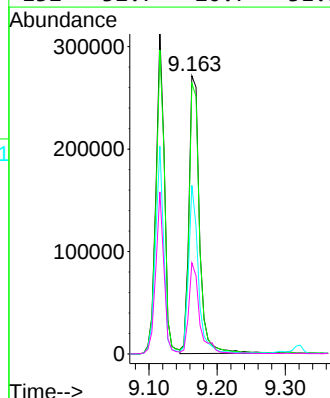
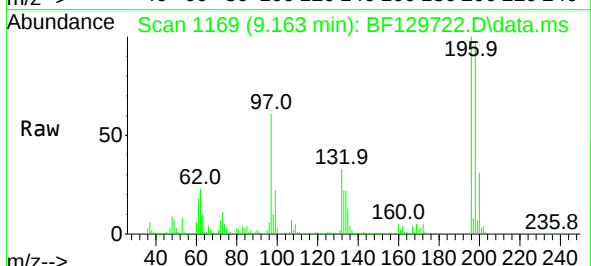
RT: 9.163 min Scan# 1169

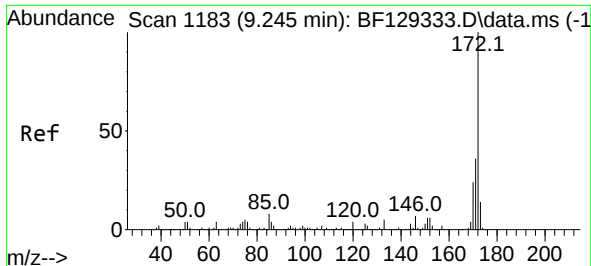
Delta R.T. -0.006 min

Lab File: BF129722.D

Acq: 11 Aug 2022 18:56

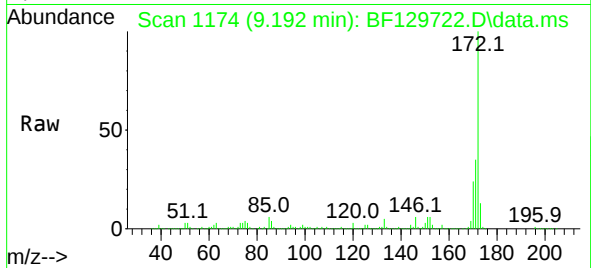
Tgt Ion:196 Resp: 288615  
 Ion Ratio Lower Upper  
 196 100  
 198 97.3 75.7 113.5  
 97 60.7 36.4 54.6#  
 132 32.7 20.7 31.1#





#45  
2-Fluorobiphenyl  
Concen: 74.600 ng  
RT: 9.192 min Scan# 1191  
Delta R.T. -0.006 min  
Lab File: BF129722.D  
Acq: 11 Aug 2022 18:56

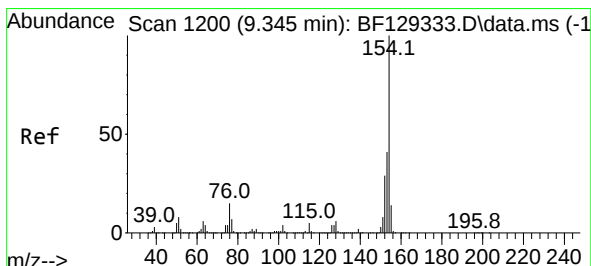
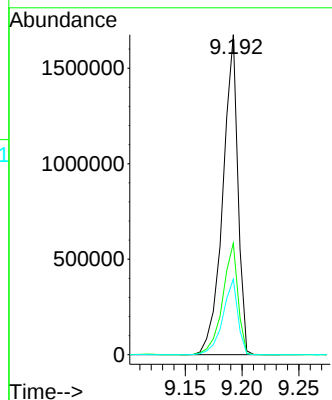
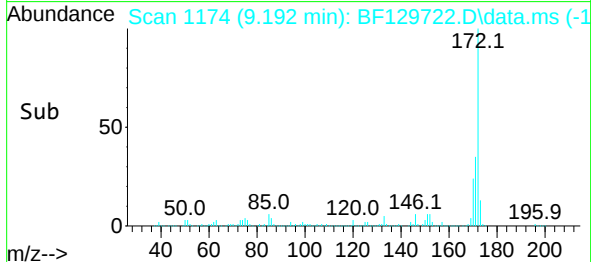
Instrument :  
BNA\_F  
ClientSampleId :  
SB07MSD



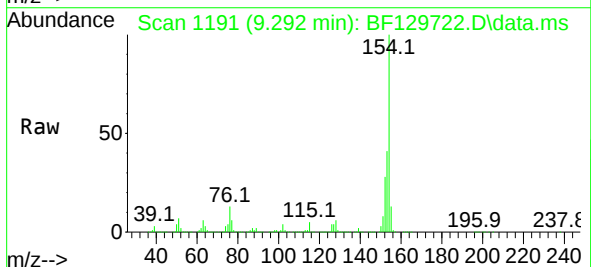
Tgt Ion:172 Resp: 155037  
Ion Ratio Lower Upper  
172 100  
171 34.9 28.8 43.2  
170 23.6 19.8 29.8

Manual Integrations  
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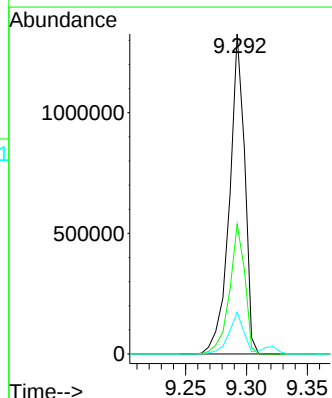
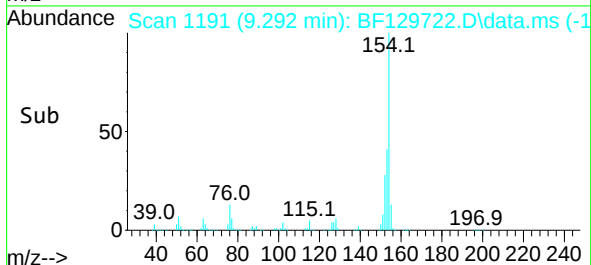
Reviewed By :Christian Giraldo 08/12/2022  
Supervised By :Jagrut Upadhyay 08/12/2022

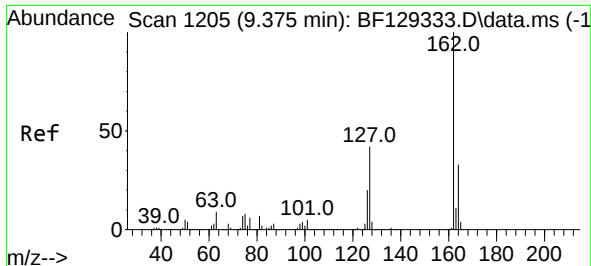


#46  
1,1'-Biphenyl  
Concen: 49.202 ng  
RT: 9.292 min Scan# 1191  
Delta R.T. -0.006 min  
Lab File: BF129722.D  
Acq: 11 Aug 2022 18:56



Tgt Ion:154 Resp: 1154413  
Ion Ratio Lower Upper  
154 100  
153 40.6 20.6 60.6  
76 13.1 0.0 33.3





#47

2-Chloronaphthalene

Concen: 47.499 ng

RT: 9.322 min Scan# 1196

Delta R.T. -0.006 min

Lab File: BF129722.D

Acq: 11 Aug 2022 18:56

Instrument :

BNA\_F

ClientSampleId :

SB07MSD

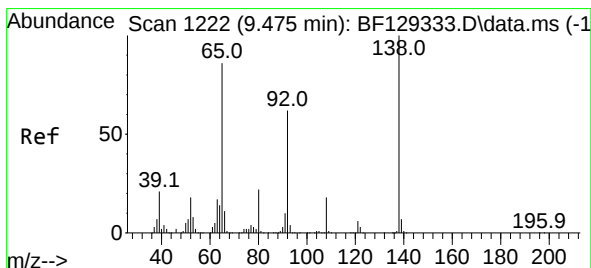
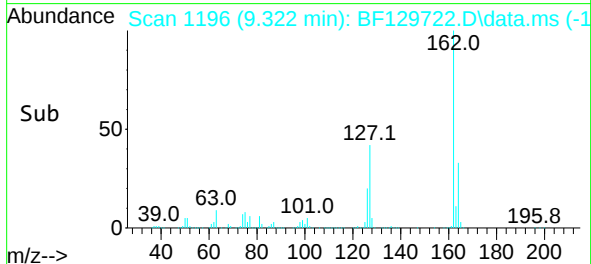
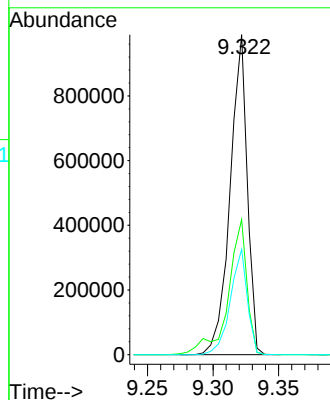
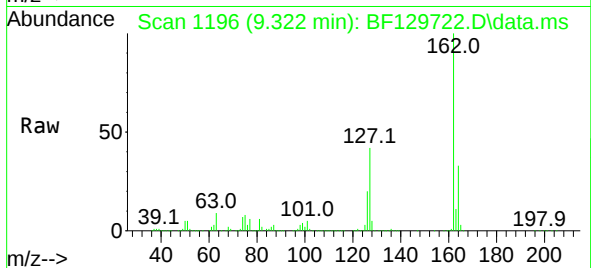
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 162   | Resp: | 900918 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 127       | 42.2  | 34.5  | 51.7   |
| 164       | 32.9  | 26.5  | 39.7   |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/12/2022

Supervised By :Jagrut Upadhyay 08/12/2022



#48

2-Nitroaniline

Concen: 46.666 ng

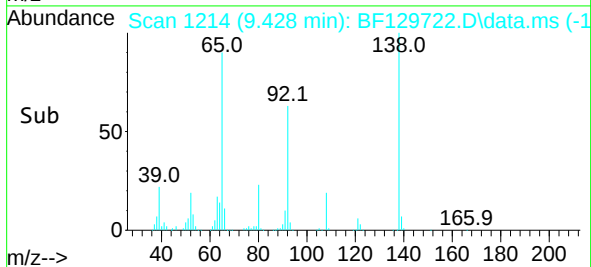
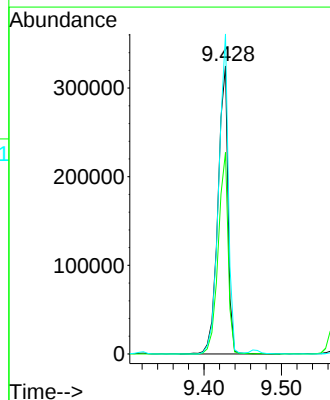
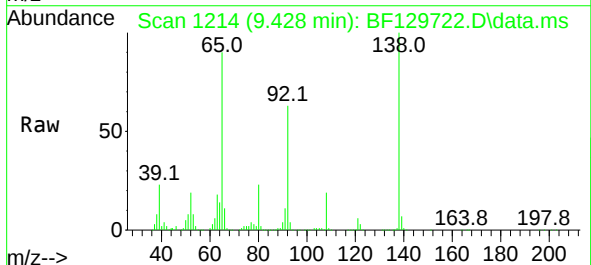
RT: 9.428 min Scan# 1214

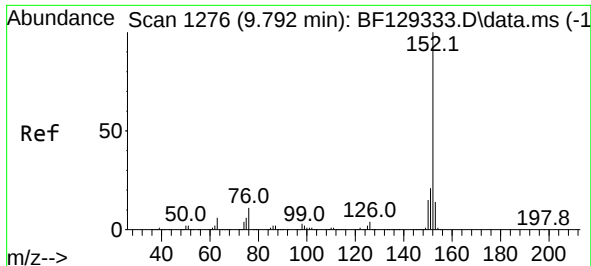
Delta R.T. -0.000 min

Lab File: BF129722.D

Acq: 11 Aug 2022 18:56

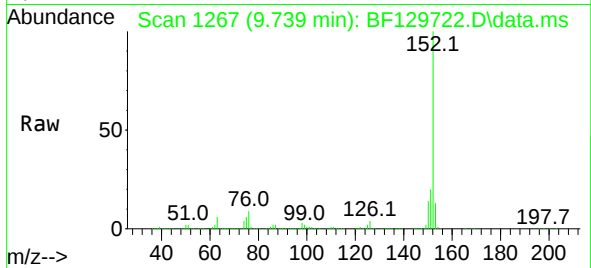
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 65    | Resp: | 294325 |
| Ion Ratio | Lower | Upper |        |
| 65        | 100   |       |        |
| 92        | 70.0  | 51.9  | 77.9   |
| 138       | 111.1 | 76.4  | 114.6  |





#49  
Acenaphthylene  
Concen: 47.243 ng  
RT: 9.739 min Scan# 1267  
Delta R.T. -0.000 min  
Lab File: BF129722.D  
Acq: 11 Aug 2022 18:56

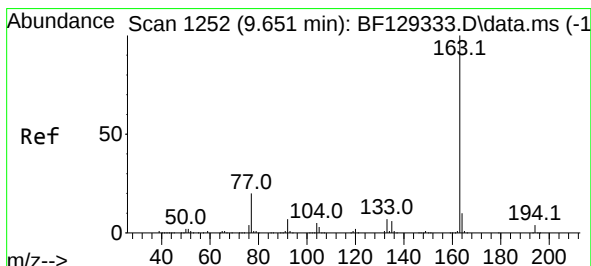
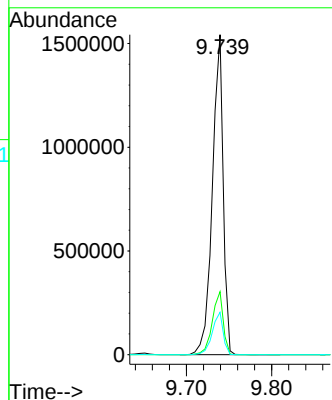
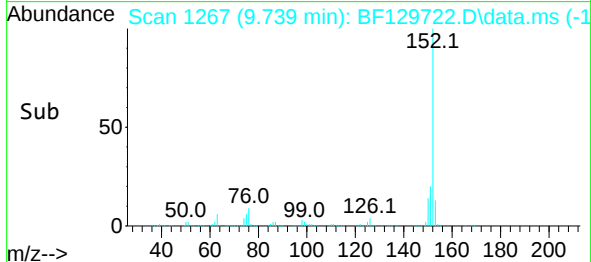
Instrument :  
BNA\_F  
ClientSampleId :  
SB07MSD



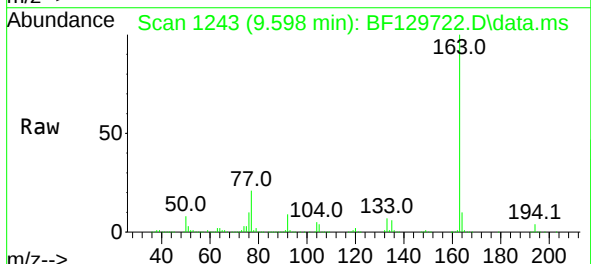
Tgt Ion:152 Resp: 136158  
Ion Ratio Lower Upper  
152 100  
151 19.7 16.2 24.4  
153 13.2 10.7 16.1

Manual Integrations  
APPROVED

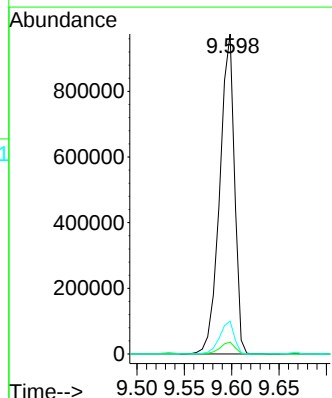
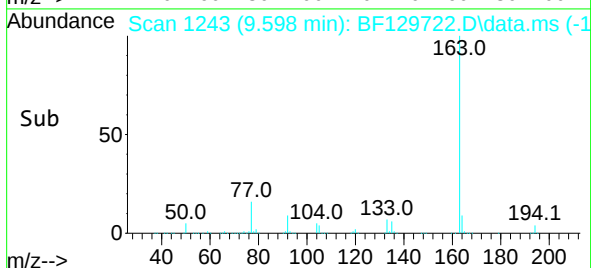
Reviewed By :Christian Giraldo 08/12/2022  
Supervised By :Jagrut Upadhyay 08/12/2022

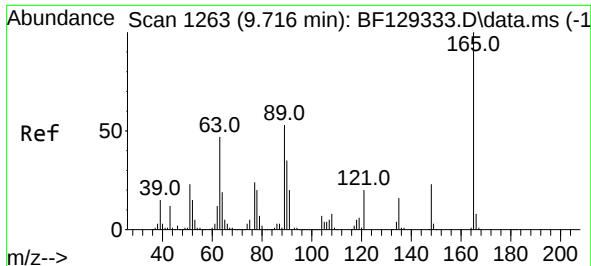


#50  
Dimethylphthalate  
Concen: 47.658 ng  
RT: 9.598 min Scan# 1243  
Delta R.T. -0.000 min  
Lab File: BF129722.D  
Acq: 11 Aug 2022 18:56



Tgt Ion:163 Resp: 1057710  
Ion Ratio Lower Upper  
163 100  
194 3.7 3.2 4.8  
164 10.3 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 47.539 ng

RT: 9.669 min Scan# 1263

Delta R.T. -0.000 min

Lab File: BF129722.D

Acq: 11 Aug 2022 18:56

Instrument :

BNA\_F

ClientSampleId :

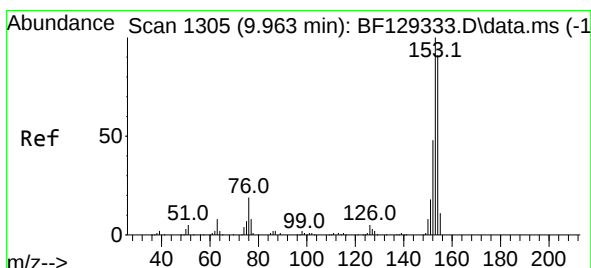
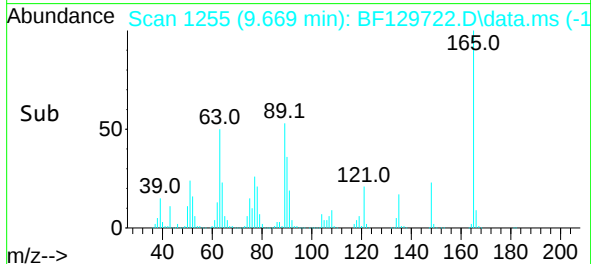
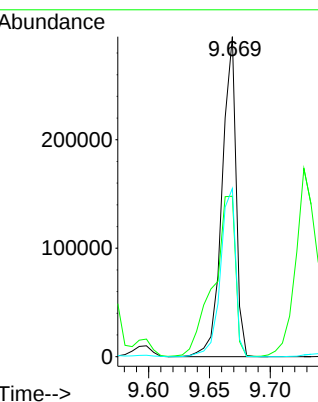
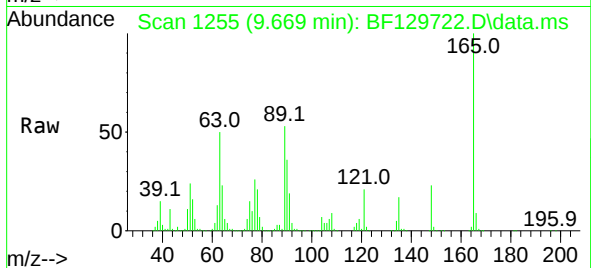
SB07MSD

|             |             |
|-------------|-------------|
| Tgt Ion:165 | Resp: 23614 |
| Ion Ratio   | Lower Upper |
| 165 100     |             |
| 63 50.2     | 44.9 67.3   |
| 89 52.6     | 43.6 65.4   |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/12/2022  
Supervised By :Jagrut Upadhyay 08/12/2022



#52

Acenaphthene

Concen: 48.022 ng m

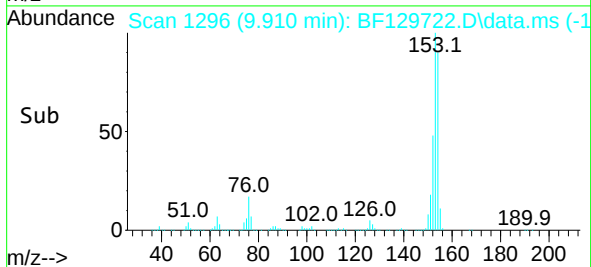
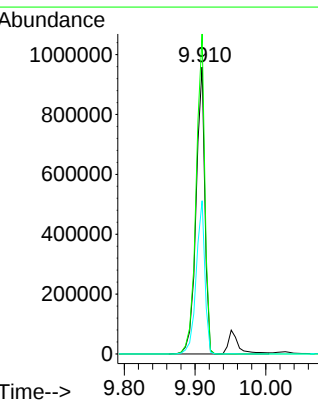
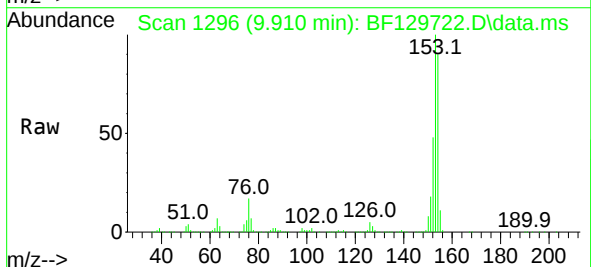
RT: 9.910 min Scan# 1296

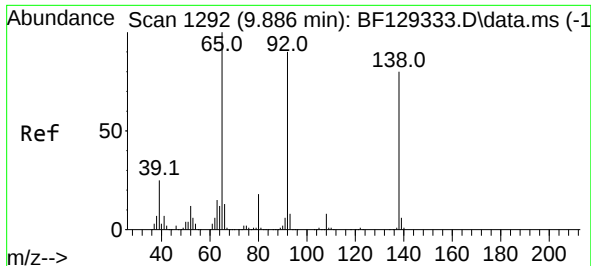
Delta R.T. -0.006 min

Lab File: BF129722.D

Acq: 11 Aug 2022 18:56

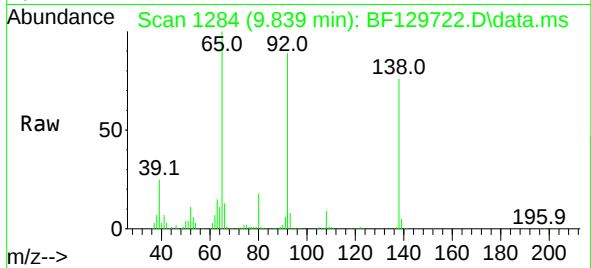
|             |              |
|-------------|--------------|
| Tgt Ion:154 | Resp: 903976 |
| Ion Ratio   | Lower Upper  |
| 154 100     |              |
| 153 111.6   | 89.6 134.4   |
| 152 53.4    | 42.4 63.6    |





#53  
3-Nitroaniline  
Concen: 37.763 ng  
RT: 9.839 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF129722.D  
Acq: 11 Aug 2022 18:56

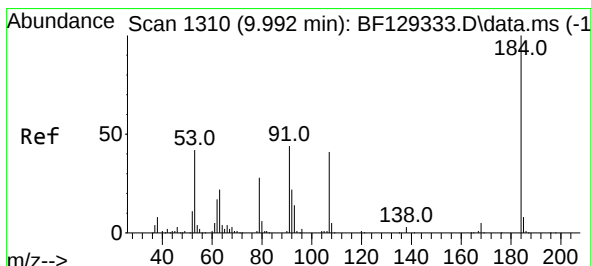
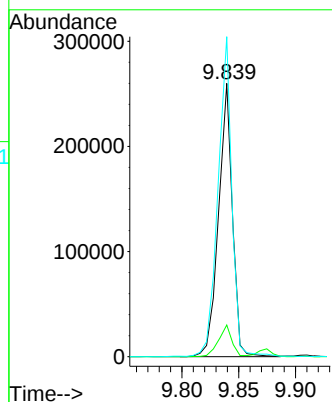
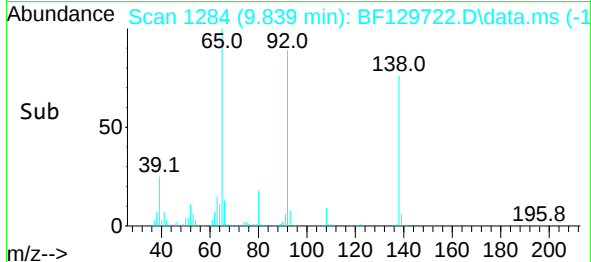
Instrument :  
BNA\_F  
ClientSampleId :  
SB07MSD



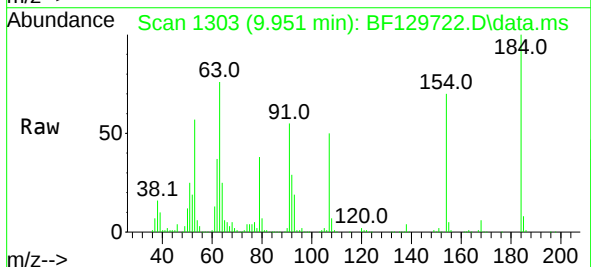
Tgt Ion:138 Resp: 221500  
Ion Ratio Lower Upper  
138 100  
108 11.6 10.9 16.3  
92 117.1 98.2 147.2

Manual Integrations  
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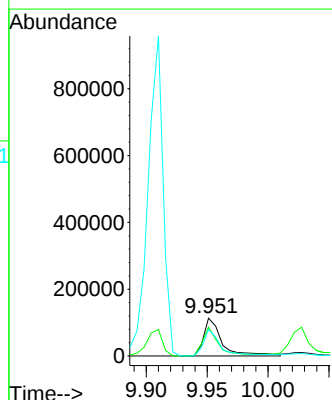
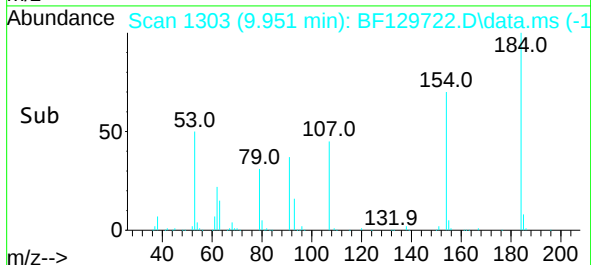
Reviewed By :Christian Giraldo 08/12/2022  
Supervised By :Jagrut Upadhyay 08/12/2022

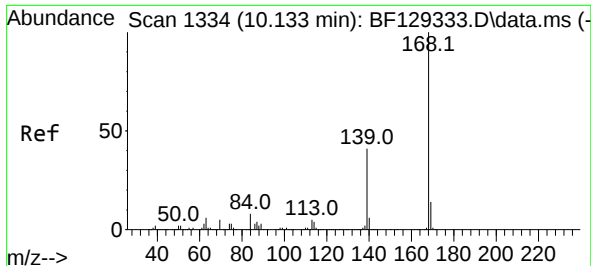


#54  
2,4-Dinitrophenol  
Concen: 46.710 ng  
RT: 9.951 min Scan# 1303  
Delta R.T. -0.006 min  
Lab File: BF129722.D  
Acq: 11 Aug 2022 18:56



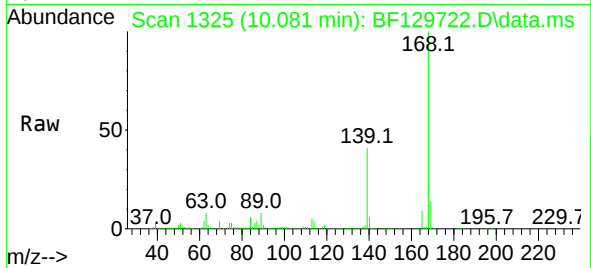
Tgt Ion:184 Resp: 118451  
Ion Ratio Lower Upper  
184 100  
63 76.0 64.5 96.7  
154 70.3 50.6 75.8





#55  
Dibenzenofuran  
Concen: 46.736 ng  
RT: 10.081 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF129722.D  
Acq: 11 Aug 2022 18:56

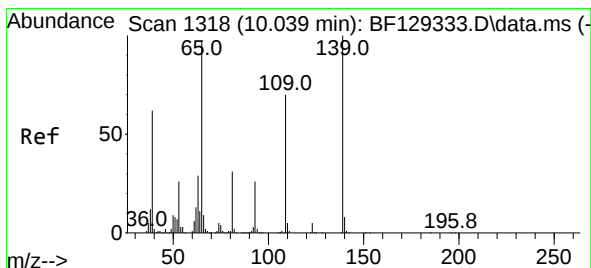
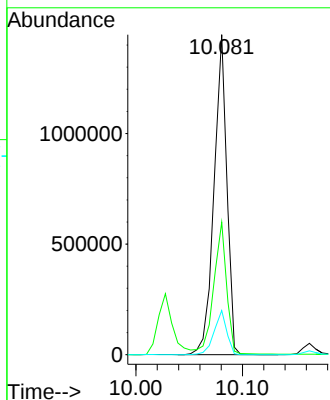
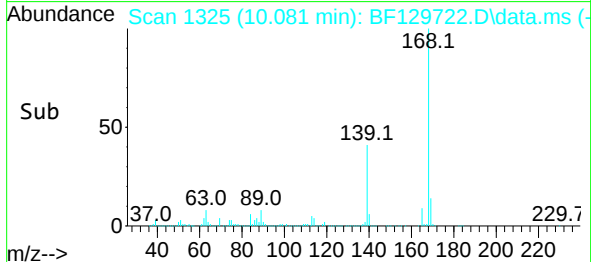
Instrument :  
BNA\_F  
ClientSampleId :  
SB07MSD



Tgt Ion:168 Resp: 121276  
Ion Ratio Lower Upper  
168 100  
139 41.4 30.6 46.0  
169 13.8 11.0 16.6

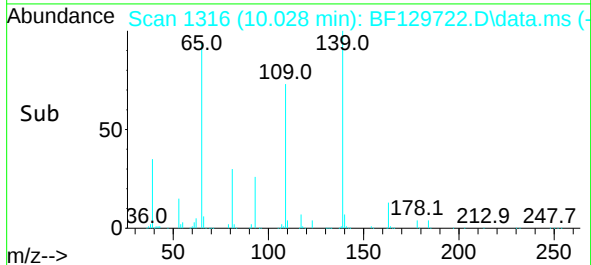
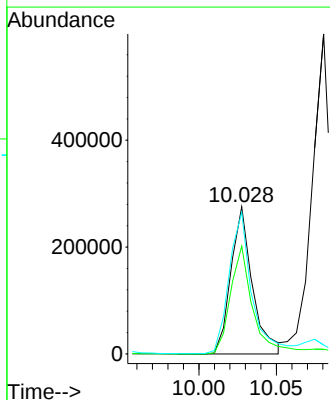
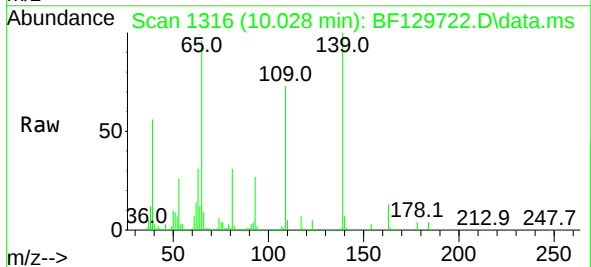
Manual Integrations  
APPROVED

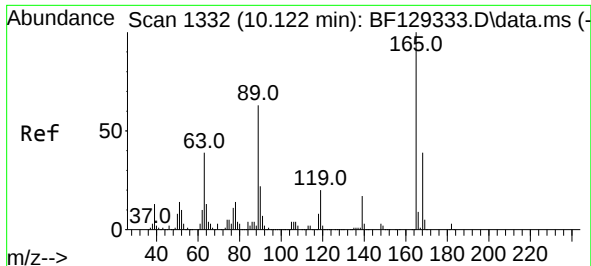
Reviewed By :Christian Giraldo 08/12/2022  
Supervised By :Jagrut Upadhyay 08/12/2022



#56  
4-Nitrophenol  
Concen: 61.512 ng  
RT: 10.028 min Scan# 1316  
Delta R.T. -0.000 min  
Lab File: BF129722.D  
Acq: 11 Aug 2022 18:56

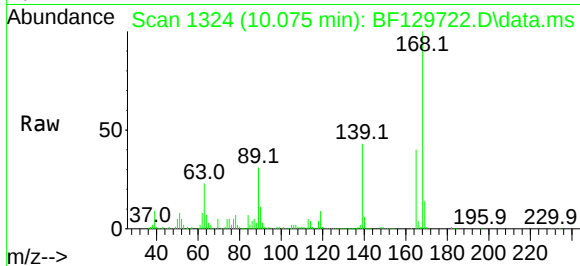
Tgt Ion:139 Resp: 266190  
Ion Ratio Lower Upper  
139 100  
109 73.2 50.7 90.7  
65 96.2 74.5 114.5





#57  
2,4-Dinitrotoluene  
Concen: 46.416 ng  
RT: 10.075 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF129722.D  
Acq: 11 Aug 2022 18:56

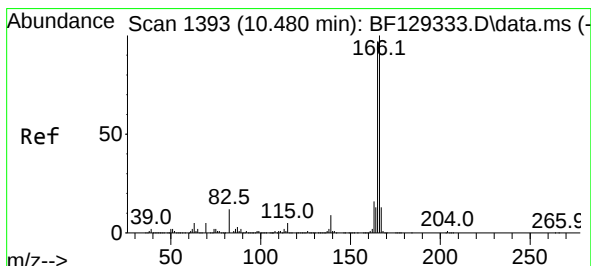
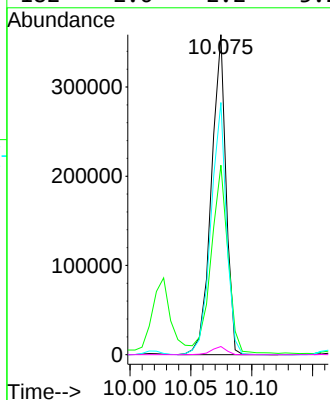
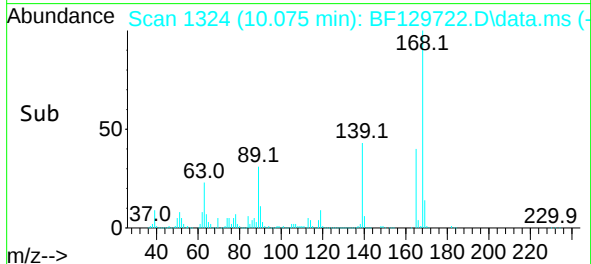
Instrument :  
BNA\_F  
ClientSampleId :  
SB07MSD



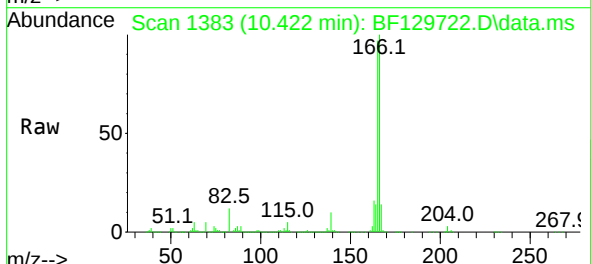
Tgt Ion:165 Resp: 301204  
Ion Ratio Lower Upper  
165 100  
63 59.2 39.8 59.6  
89 78.8 60.2 90.2  
182 2.6 2.2 3.2

Manual Integrations  
APPROVED

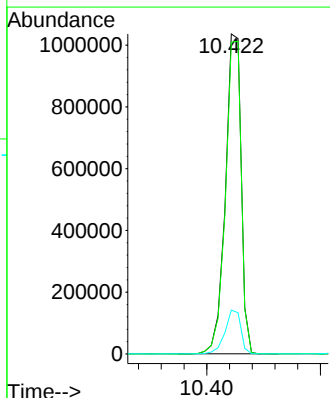
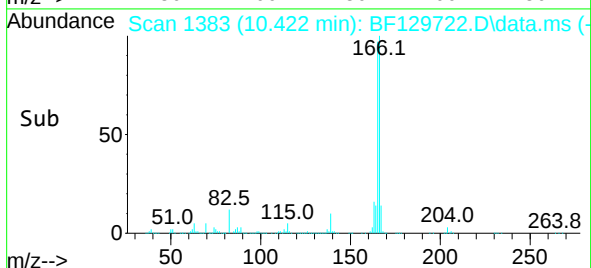
Reviewed By :Christian Giraldo 08/12/2022  
Supervised By :Jagrut Upadhyay 08/12/2022

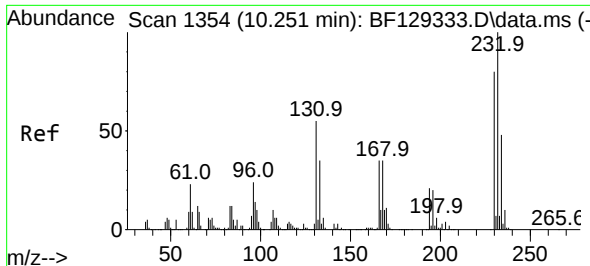


#58  
Fluorene  
Concen: 48.081 ng  
RT: 10.422 min Scan# 1383  
Delta R.T. -0.006 min  
Lab File: BF129722.D  
Acq: 11 Aug 2022 18:56



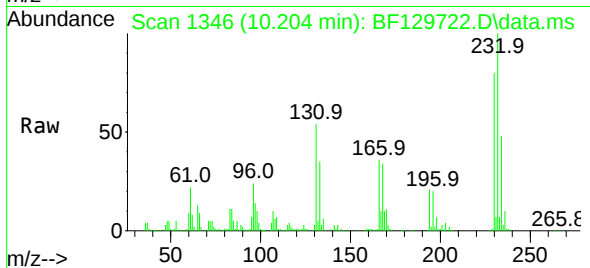
Tgt Ion:166 Resp: 998285  
Ion Ratio Lower Upper  
166 100  
165 97.4 78.1 117.1  
167 13.7 10.5 15.7





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 40.949 ng  
RT: 10.204 min Scan# 1346  
Delta R.T. -0.006 min  
Lab File: BF129722.D  
Acq: 11 Aug 2022 18:56

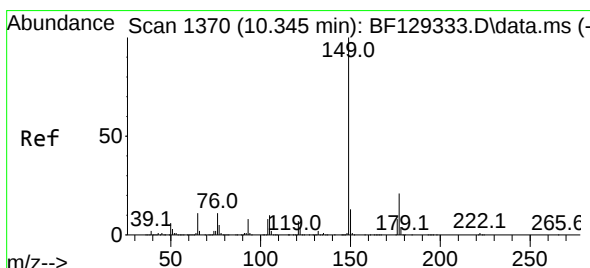
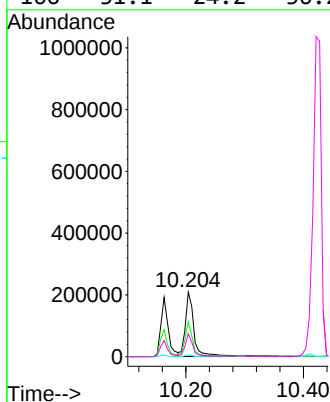
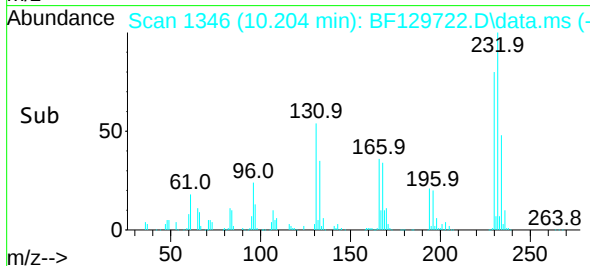
Instrument :  
BNA\_F  
ClientSampleId :  
SB07MSD



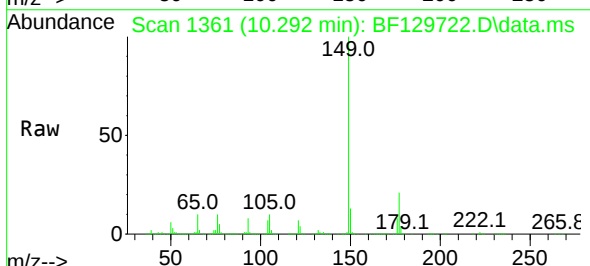
Tgt Ion:232 Resp: 210991  
Ion Ratio Lower Upper  
232 100  
131 49.1 36.1 54.1  
130 2.7 1.8 2.8  
166 31.1 24.2 36.2

Manual Integrations  
APPROVED

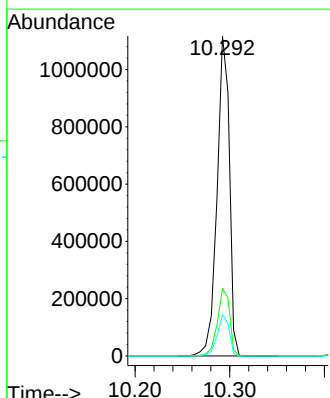
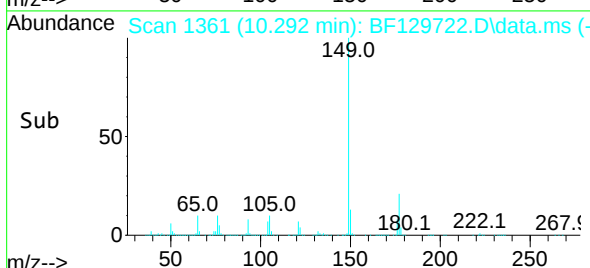
Reviewed By :Christian Giraldo 08/12/2022  
Supervised By :Jagrut Upadhyay 08/12/2022

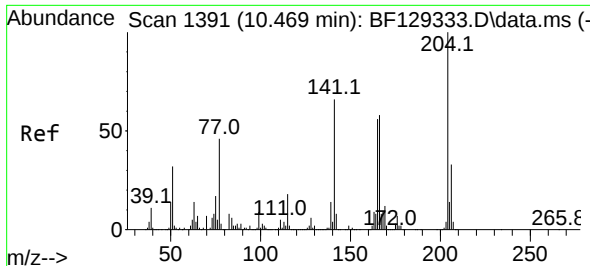


#60  
Diethylphthalate  
Concen: 47.261 ng  
RT: 10.292 min Scan# 1361  
Delta R.T. -0.006 min  
Lab File: BF129722.D  
Acq: 11 Aug 2022 18:56



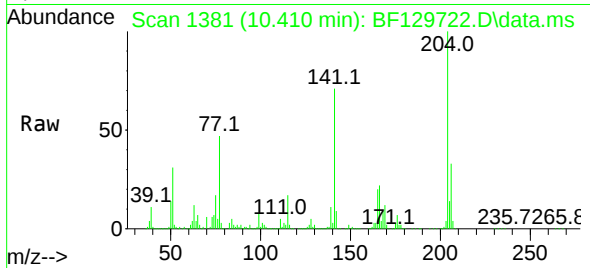
Tgt Ion:149 Resp: 1013970  
Ion Ratio Lower Upper  
149 100  
177 21.0 17.3 25.9  
150 12.9 10.2 15.2





#61  
4-Chlorophenyl-phenylether  
Concen: 49.858 ng  
RT: 10.410 min Scan# 1381  
Delta R.T. -0.006 min  
Lab File: BF129722.D  
Acq: 11 Aug 2022 18:56

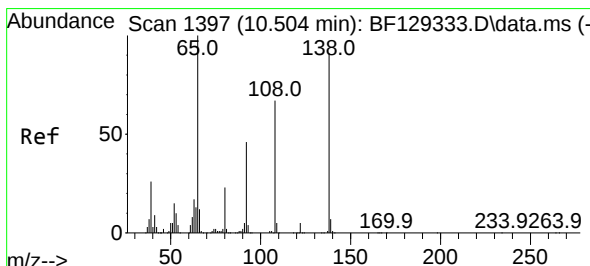
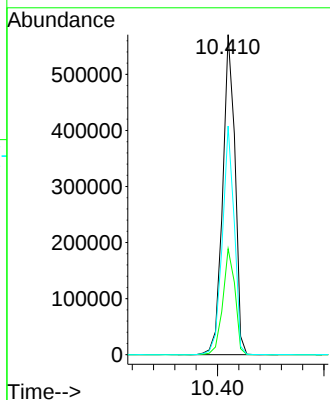
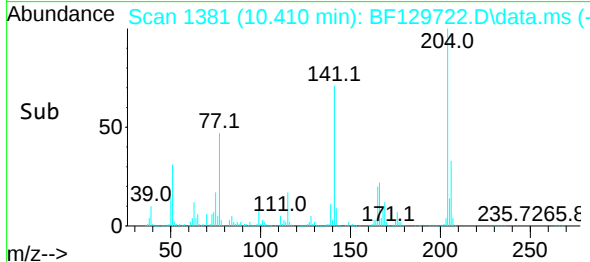
Instrument :  
BNA\_F  
ClientSampleId :  
SB07MSD



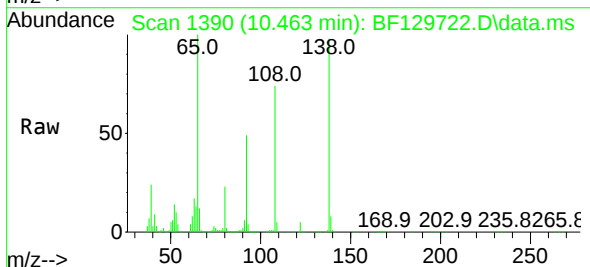
Tgt Ion:204 Resp: 456374  
Ion Ratio Lower Upper  
204 100  
206 33.1 25.8 38.6  
141 71.4 47.0 70.4

Manual Integrations  
APPROVED

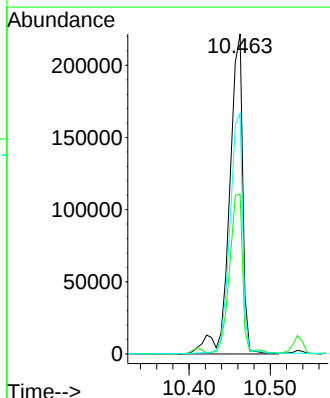
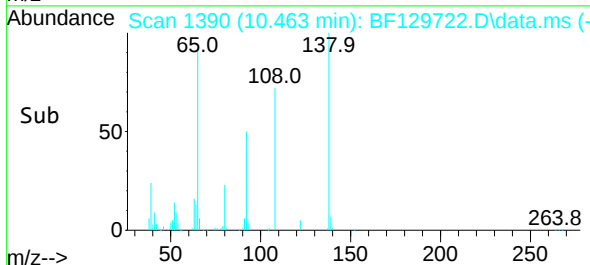
Reviewed By :Christian Giraldo 08/12/2022  
Supervised By :Jagrut Upadhyay 08/12/2022

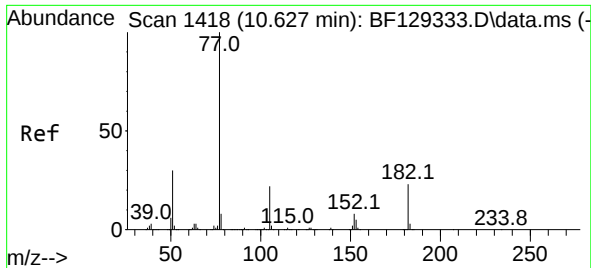


#62  
4-Nitroaniline  
Concen: 43.347 ng m  
RT: 10.463 min Scan# 1390  
Delta R.T. -0.000 min  
Lab File: BF129722.D  
Acq: 11 Aug 2022 18:56



Tgt Ion:138 Resp: 252231  
Ion Ratio Lower Upper  
138 100  
92 50.0 33.5 73.5  
108 75.2 61.0 101.0





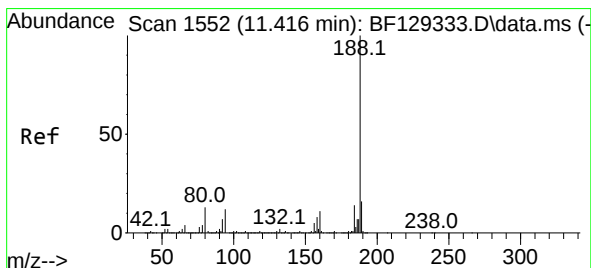
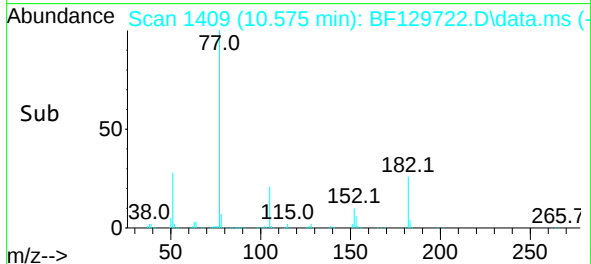
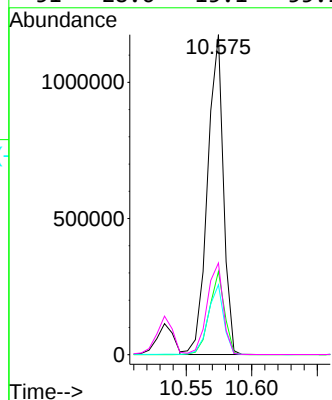
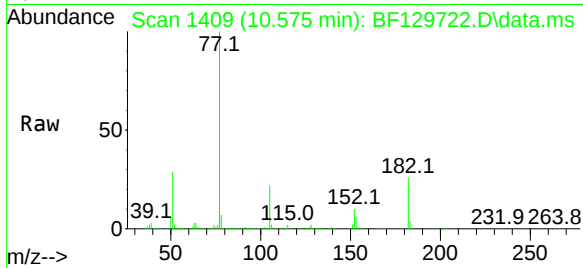
#63  
Azobenzene  
Concen: 45.154 ng  
RT: 10.575 min Scan# 1418  
Delta R.T. -0.006 min  
Lab File: BF129722.D  
Acq: 11 Aug 2022 18:56

Instrument :  
BNA\_F  
ClientSampleId :  
SB07MSD

|             |              |
|-------------|--------------|
| Tgt Ion: 77 | Resp: 988094 |
| Ion Ratio   | Lower Upper  |
| 77 100      |              |
| 182 26.0    | 5.6 45.6     |
| 105 21.9    | 1.6 41.6     |
| 51 28.6     | 15.1 55.1    |

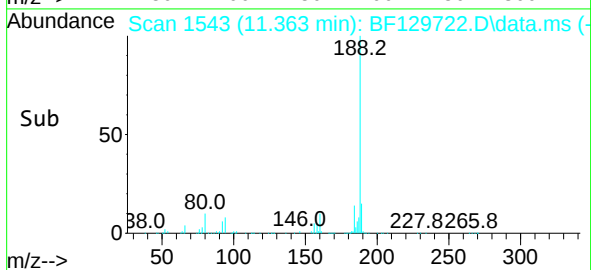
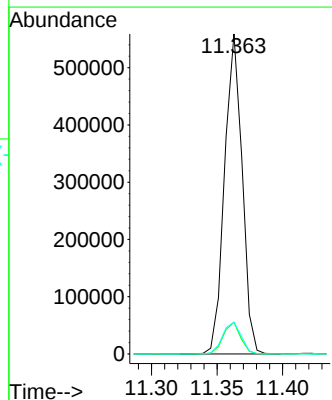
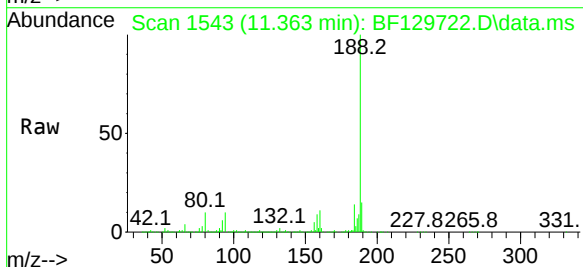
Manual Integrations  
APPROVED

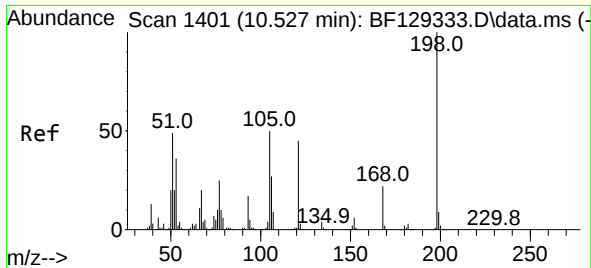
Reviewed By :Christian Giraldo 08/12/2022  
Supervised By :Jagrut Upadhyay 08/12/2022



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.363 min Scan# 1543  
Delta R.T. -0.006 min  
Lab File: BF129722.D  
Acq: 11 Aug 2022 18:56

|             |              |
|-------------|--------------|
| Tgt Ion:188 | Resp: 520110 |
| Ion Ratio   | Lower Upper  |
| 188 100     |              |
| 94 9.9      | 7.0 10.6     |
| 80 9.9      | 7.6 11.4     |





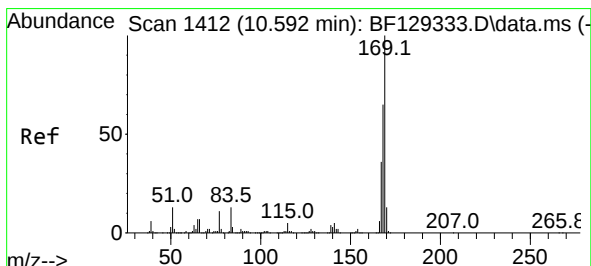
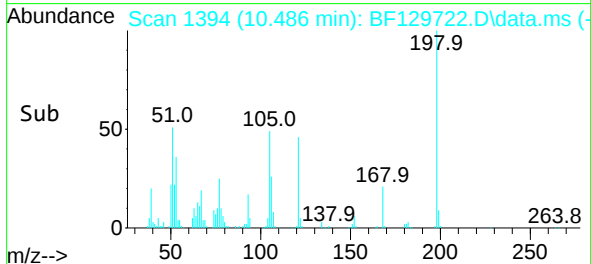
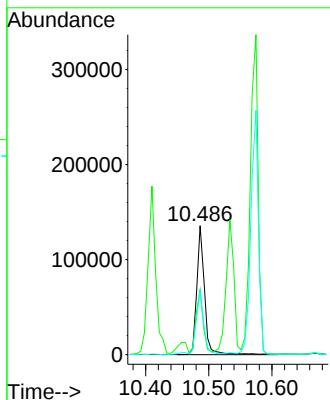
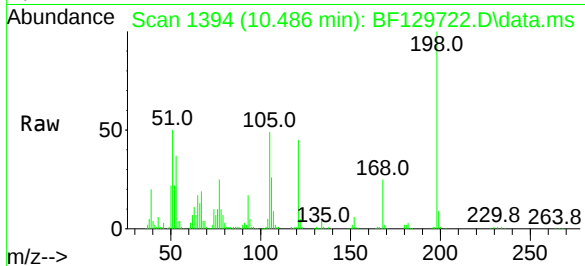
#65  
4,6-Dinitro-2-methylphenol  
Concen: 35.271 ng  
RT: 10.486 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF129722.D  
Acq: 11 Aug 2022 18:56

Instrument :  
BNA\_F  
ClientSampleId :  
SB07MSD

Tgt Ion:198 Resp: 11578  
Ion Ratio Lower Upper  
198 100  
51 50.4 37.6 77.6  
105 49.1 27.0 67.0

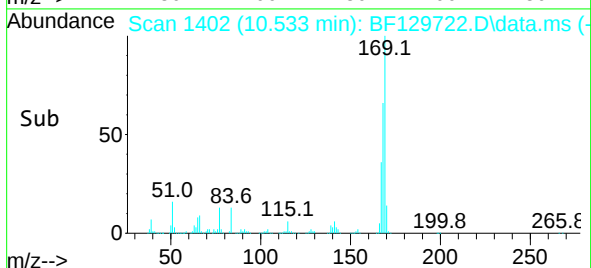
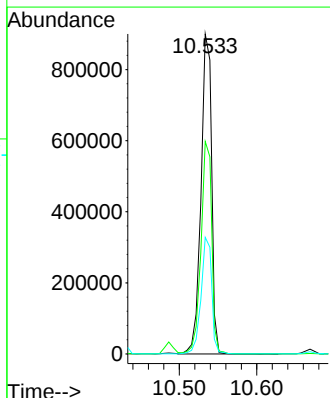
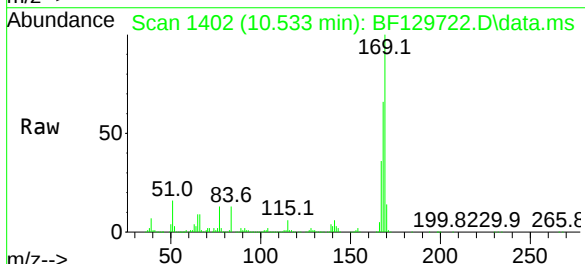
Manual Integrations  
APPROVED

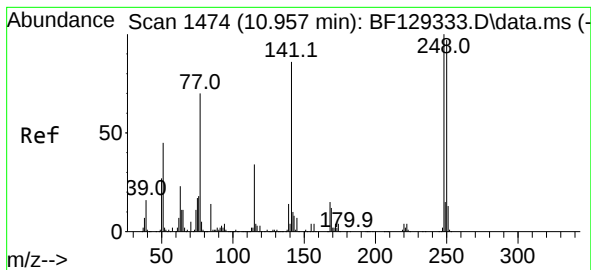
Reviewed By :Christian Giraldo 08/12/2022  
Supervised By :Jagrut Upadhyay 08/12/2022



#66  
n-Nitrosodiphenylamine  
Concen: 49.297 ng  
RT: 10.533 min Scan# 1402  
Delta R.T. -0.006 min  
Lab File: BF129722.D  
Acq: 11 Aug 2022 18:56

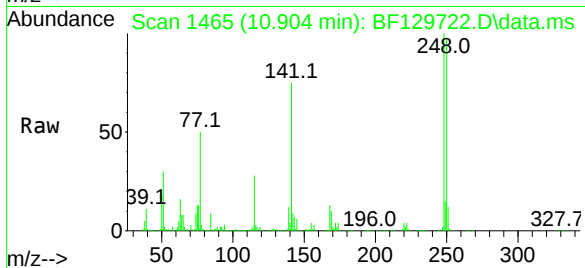
Tgt Ion:169 Resp: 853866  
Ion Ratio Lower Upper  
169 100  
168 66.4 50.1 75.1  
167 36.5 27.9 41.9





#67  
4-Bromophenyl-phenylether  
Concen: 50.507 ng  
RT: 10.904 min Scan# 1465  
Delta R.T. -0.006 min  
Lab File: BF129722.D  
Acq: 11 Aug 2022 18:56

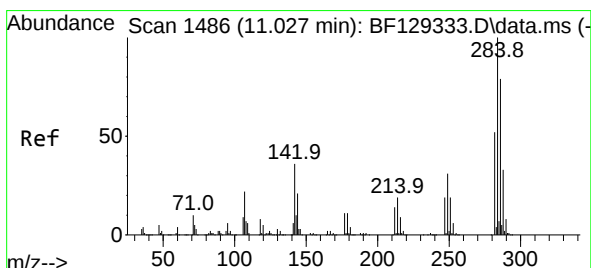
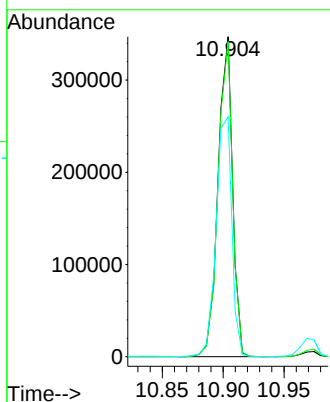
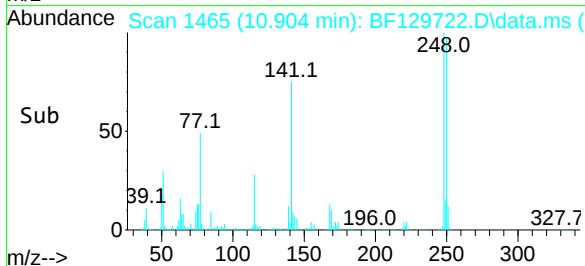
Instrument :  
BNA\_F  
ClientSampleId :  
SB07MSD



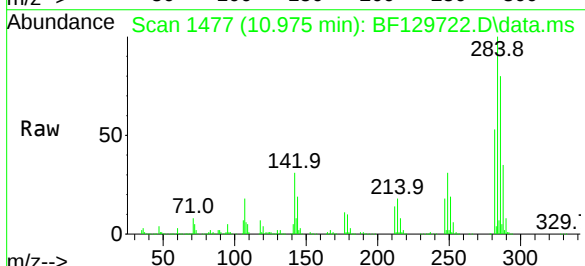
Tgt Ion:248 Resp: 28765  
Ion Ratio Lower Upper  
248 100  
250 98.4 80.6 120.8  
141 75.0 58.9 88.3

Manual Integrations  
APPROVED

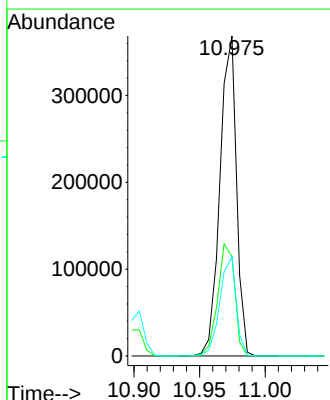
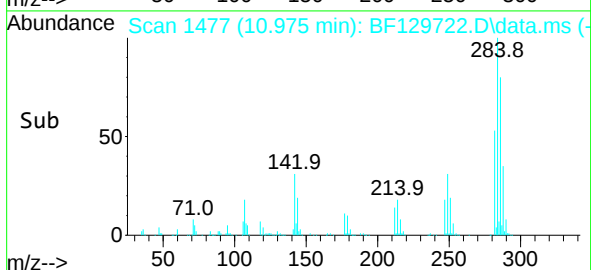
Reviewed By :Christian Giraldo 08/12/2022  
Supervised By :Jagrut Upadhyay 08/12/2022

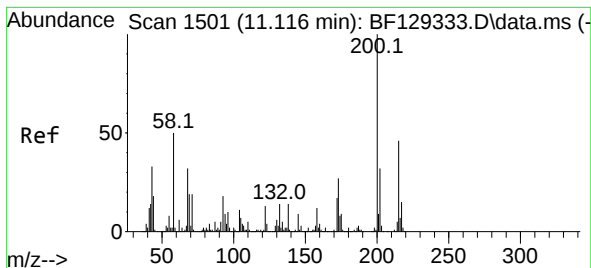


#68  
Hexachlorobenzene  
Concen: 52.288 ng  
RT: 10.975 min Scan# 1477  
Delta R.T. -0.006 min  
Lab File: BF129722.D  
Acq: 11 Aug 2022 18:56



Tgt Ion:284 Resp: 322674  
Ion Ratio Lower Upper  
284 100  
142 31.1 29.0 43.4  
249 31.0 25.0 37.6





#69

Atrazine

Concen: 51.499 ng

RT: 11.063 min Scan# 14

Delta R.T. -0.006 min

Lab File: BF129722.D

Acq: 11 Aug 2022 18:56

Instrument :

BNA\_F

ClientSampleId :

SB07MSD

Tgt Ion:200 Resp: 270939

Ion Ratio Lower Upper

200 100

173 27.7 6.3 46.3

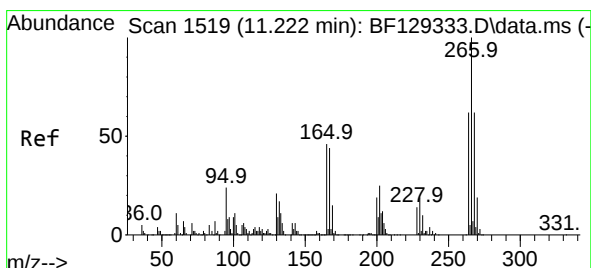
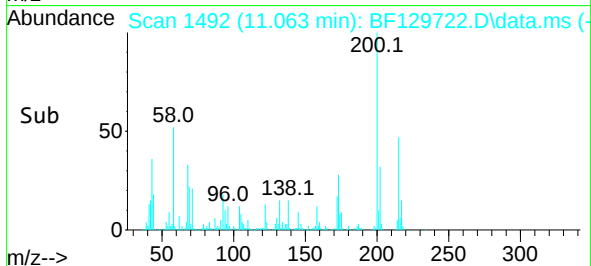
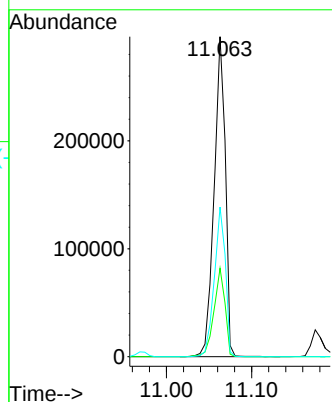
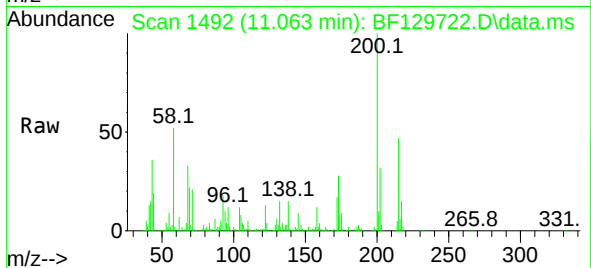
215 46.7 28.3 68.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/12/2022

Supervised By :Jagrut Upadhyay 08/12/2022



#70

Pentachlorophenol

Concen: 41.933 ng

RT: 11.175 min Scan# 1511

Delta R.T. -0.006 min

Lab File: BF129722.D

Acq: 11 Aug 2022 18:56

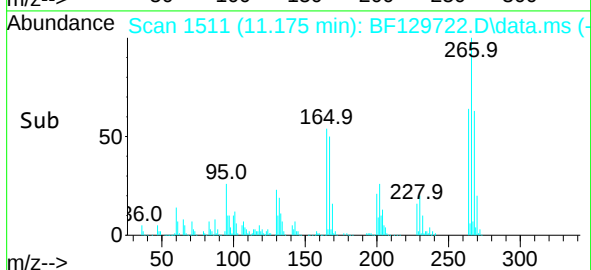
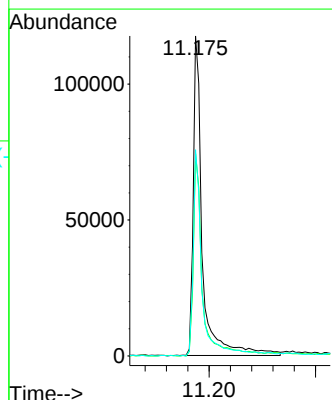
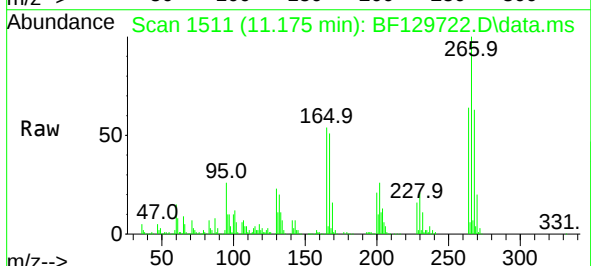
Tgt Ion:266 Resp: 140678

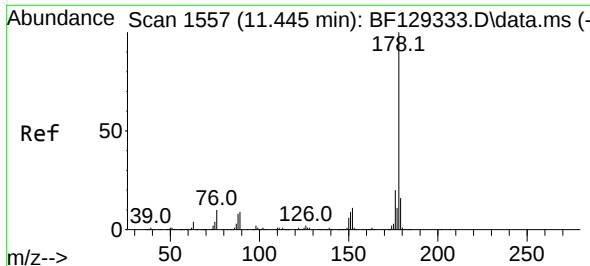
Ion Ratio Lower Upper

266 100

268 63.2 51.0 76.4

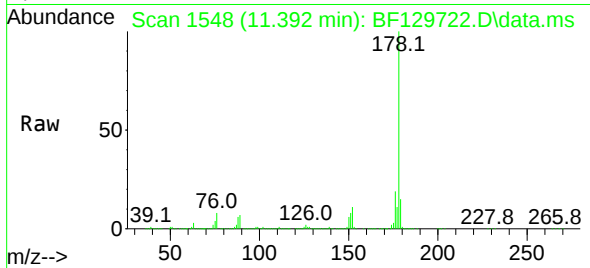
264 64.5 49.4 74.2





#71  
Phenanthrene  
Concen: 47.479 ng  
RT: 11.392 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF129722.D  
Acq: 11 Aug 2022 18:56

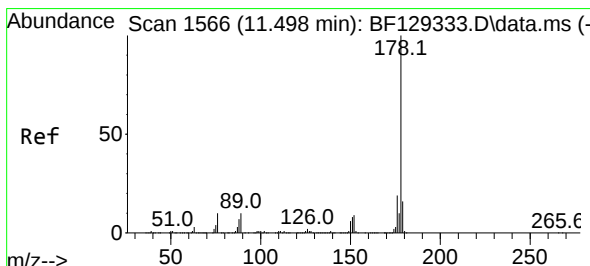
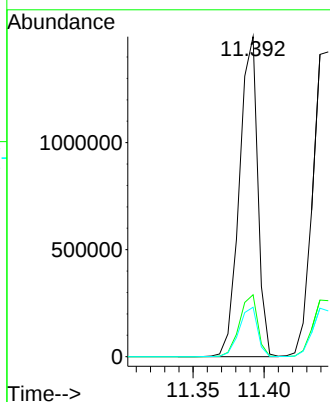
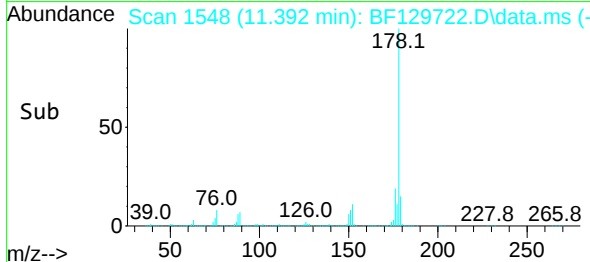
Instrument :  
BNA\_F  
ClientSampleId :  
SB07MSD



Tgt Ion:178 Resp: 1348008  
Ion Ratio Lower Upper  
178 100  
176 19.4 16.0 24.0  
179 15.5 12.6 19.0

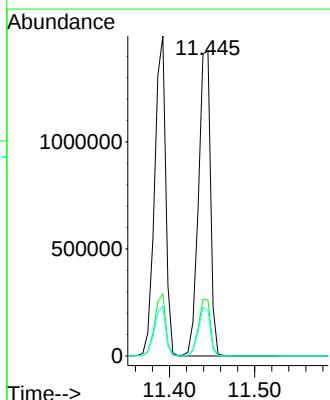
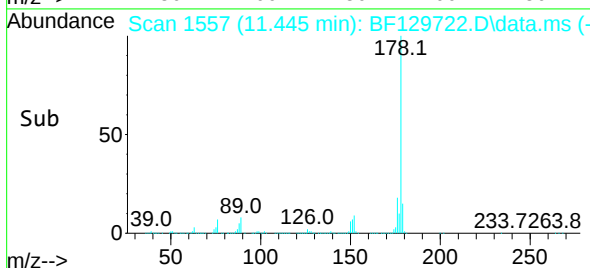
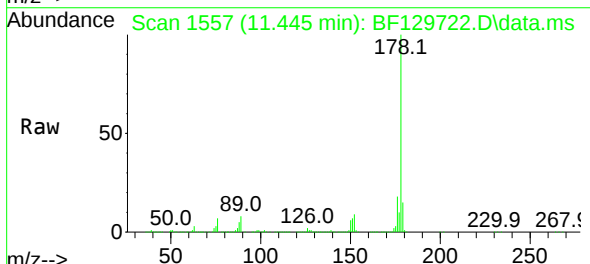
Manual Integrations  
APPROVED

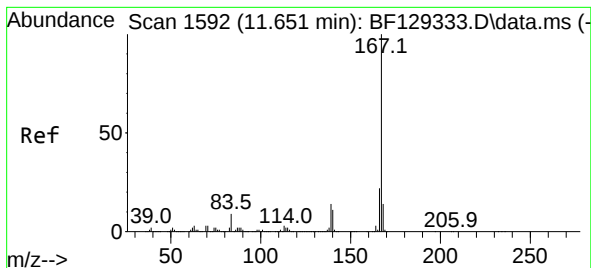
Reviewed By :Christian Giraldo 08/12/2022  
Supervised By :Jagrut Upadhyay 08/12/2022



#72  
Anthracene  
Concen: 49.949 ng  
RT: 11.445 min Scan# 1557  
Delta R.T. -0.000 min  
Lab File: BF129722.D  
Acq: 11 Aug 2022 18:56

Tgt Ion:178 Resp: 1393594  
Ion Ratio Lower Upper  
178 100  
176 18.4 15.4 23.2  
179 15.0 12.6 19.0





#73

Carbazole

Concen: 46.358 ng

RT: 11.604 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF129722.D

Acq: 11 Aug 2022 18:56

Instrument :

BNA\_F

ClientSampleId :

SB07MSD

Tgt Ion:167 Resp: 121754

Ion Ratio Lower Upper

167 100

166 21.4 17.7 26.5

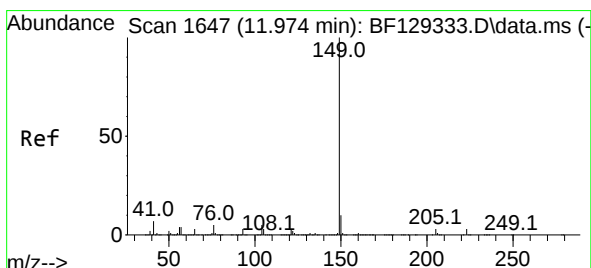
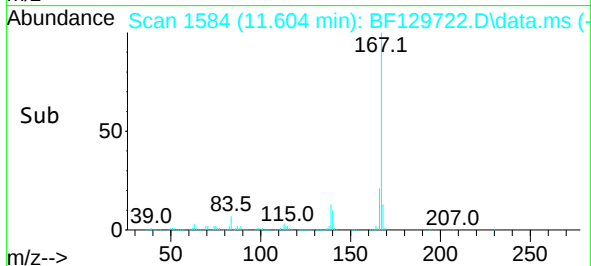
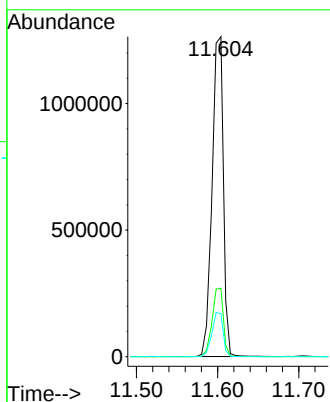
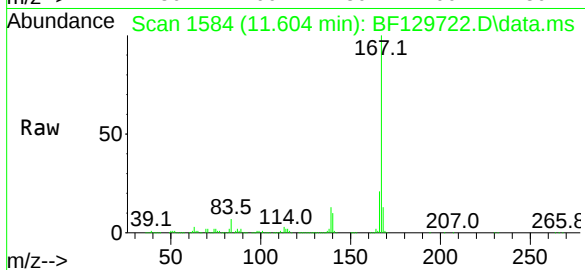
139 13.5 11.2 16.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/12/2022

Supervised By :Jagrut Upadhyay 08/12/2022



#74

Di-n-butylphthalate

Concen: 48.105 ng

RT: 11.916 min Scan# 1637

Delta R.T. -0.006 min

Lab File: BF129722.D

Acq: 11 Aug 2022 18:56

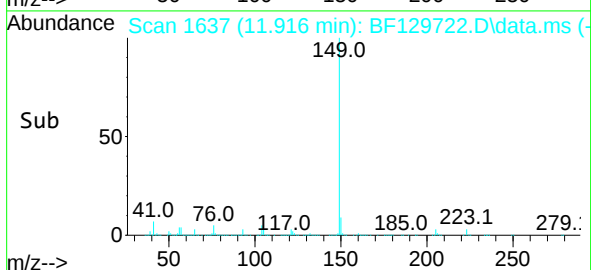
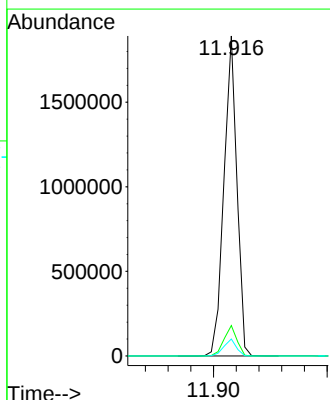
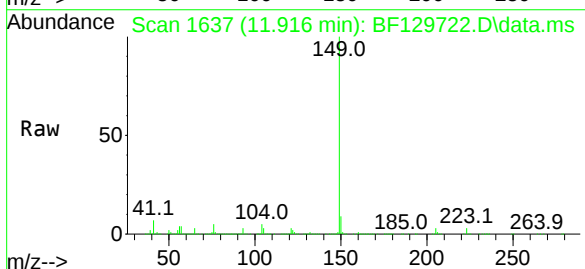
Tgt Ion:149 Resp: 1504586

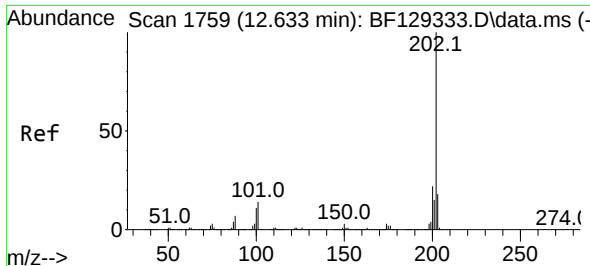
Ion Ratio Lower Upper

149 100

150 9.5 7.5 11.3

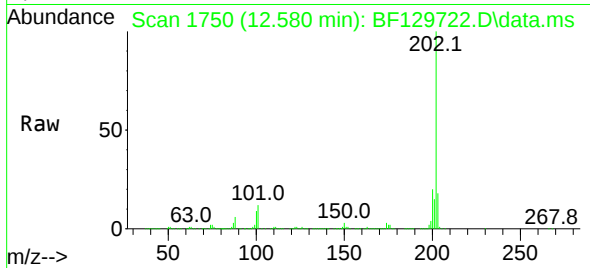
104 5.3 4.4 6.6





#75  
Fluoranthene  
Concen: 42.664 ng  
RT: 12.580 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF129722.D  
Acq: 11 Aug 2022 18:56

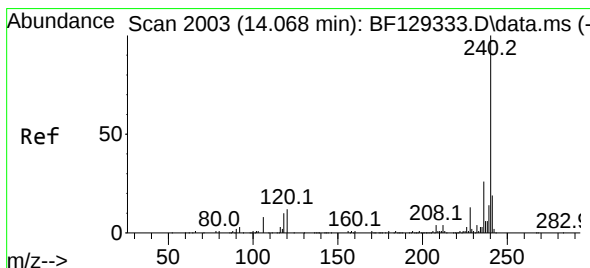
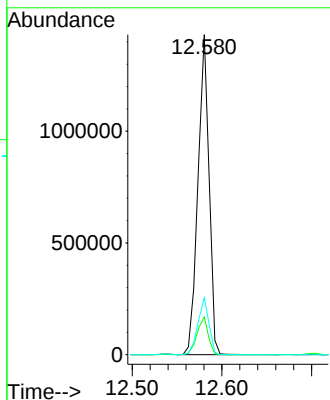
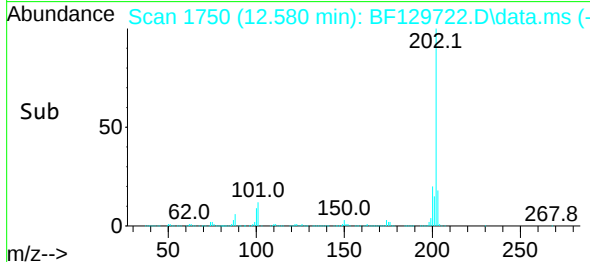
Instrument :  
BNA\_F  
ClientSampleId :  
SB07MSD



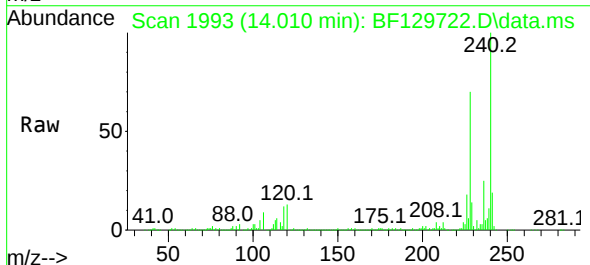
Tgt Ion:202 Resp: 1227300  
Ion Ratio Lower Upper  
202 100  
101 11.7 0.0 31.4  
203 17.8 0.0 38.0

Manual Integrations  
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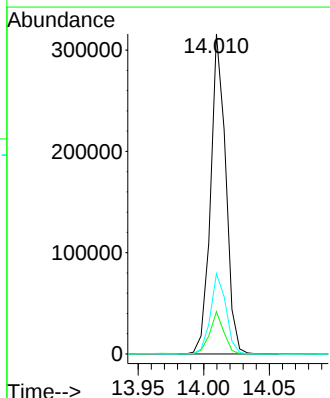
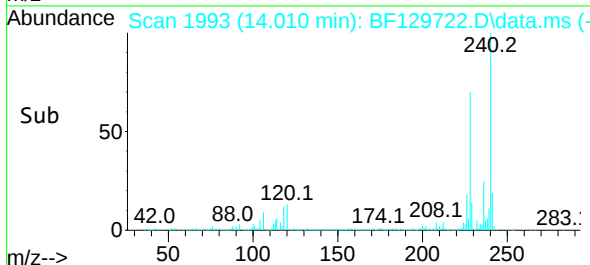
Reviewed By :Christian Giraldo 08/12/2022  
Supervised By :Jagrut Upadhyay 08/12/2022

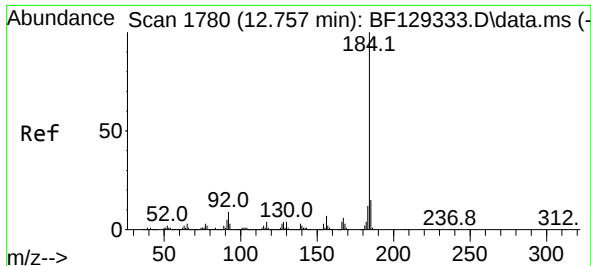


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.010 min Scan# 1993  
Delta R.T. -0.012 min  
Lab File: BF129722.D  
Acq: 11 Aug 2022 18:56



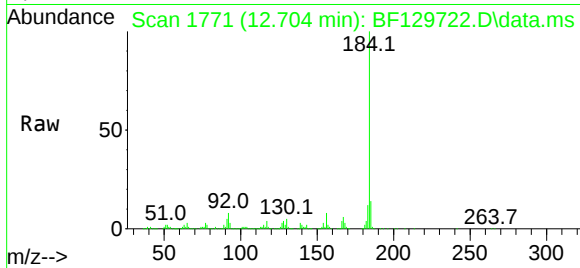
Tgt Ion:240 Resp: 253234  
Ion Ratio Lower Upper  
240 100  
120 13.2 8.9 13.3  
236 25.1 20.8 31.2





#77  
Benzidine  
Concen: 79.062 ng  
RT: 12.704 min Scan# 1771  
Delta R.T. -0.006 min  
Lab File: BF129722.D  
Acq: 11 Aug 2022 18:56

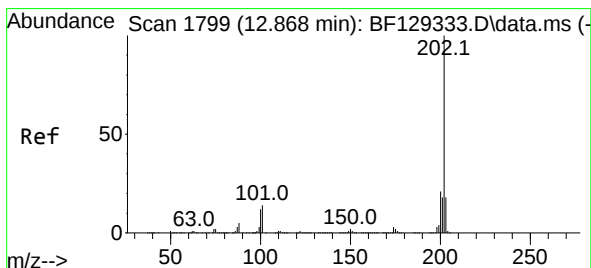
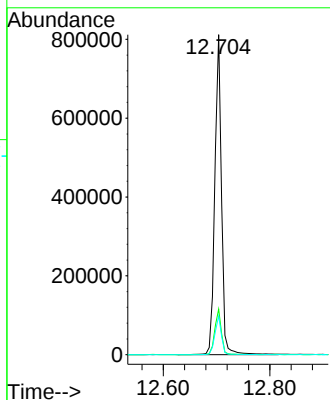
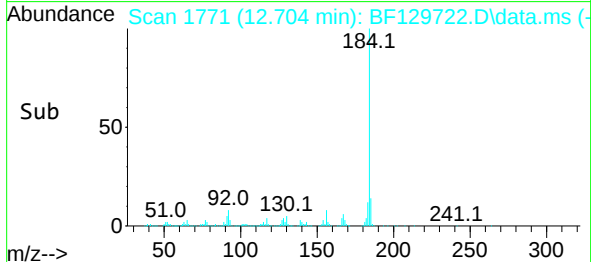
Instrument :  
BNA\_F  
ClientSampleId :  
SB07MSD



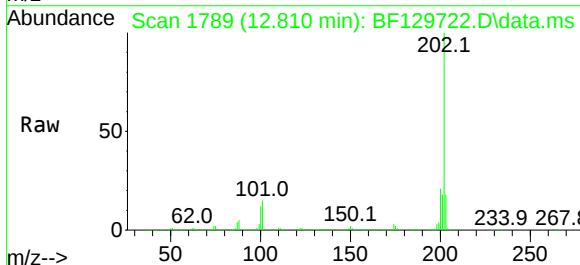
Tgt Ion:184 Resp: 70730  
Ion Ratio Lower Upper  
184 100  
185 14.2 11.9 17.9  
183 12.1 9.3 13.9

Manual Integrations  
APPROVED

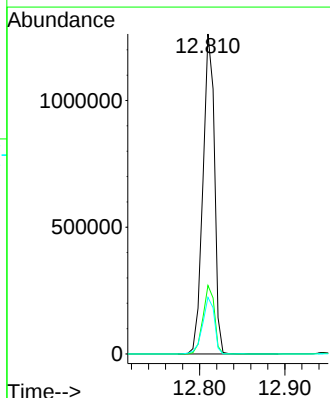
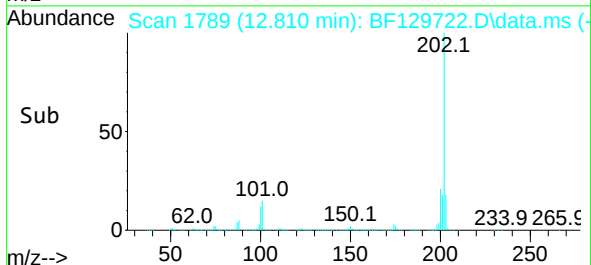
Reviewed By :Christian Giraldo 08/12/2022  
Supervised By :Jagrut Upadhyay 08/12/2022

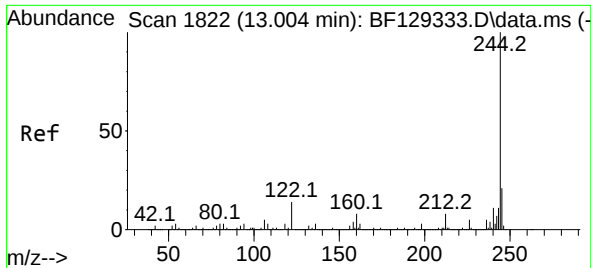


#78  
Pyrene  
Concen: 55.848 ng  
RT: 12.810 min Scan# 1789  
Delta R.T. -0.006 min  
Lab File: BF129722.D  
Acq: 11 Aug 2022 18:56



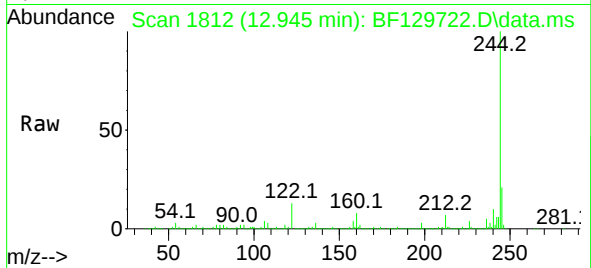
Tgt Ion:202 Resp: 1182644  
Ion Ratio Lower Upper  
202 100  
200 21.4 17.7 26.5  
203 17.7 14.6 21.8





#79  
 Terphenyl-d14  
 Concen: 99.154 ng  
 RT: 12.945 min Scan# 1812  
 Delta R.T. -0.012 min  
 Lab File: BF129722.D  
 Acq: 11 Aug 2022 18:56

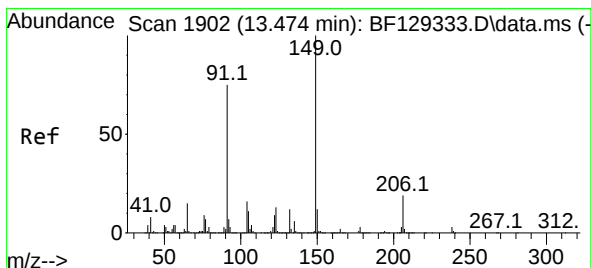
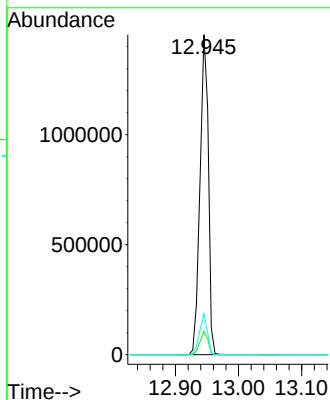
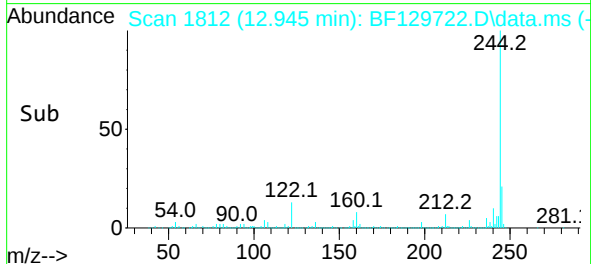
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB07MSD



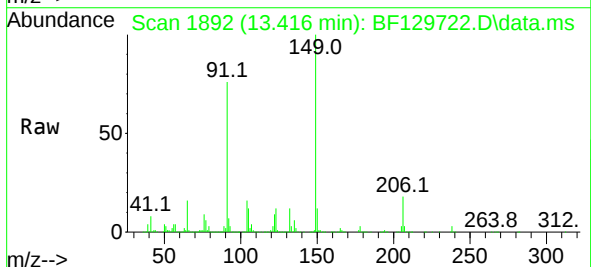
Tgt Ion:244 Resp: 1330935  
 Ion Ratio Lower Upper  
 244 100  
 212 7.2 6.1 9.1  
 122 12.7 8.8 13.2

Manual Integrations  
 APPROVED

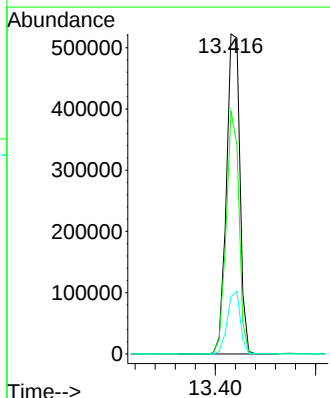
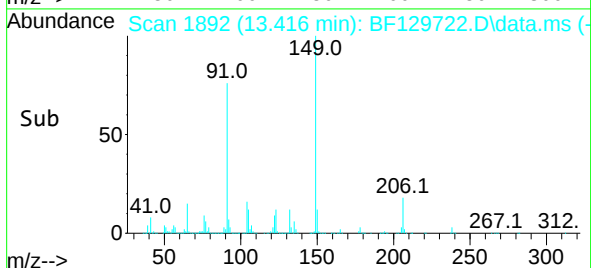
Reviewed By :Christian Giraldo 08/12/2022  
 Supervised By :Jagrut Upadhyay 08/12/2022

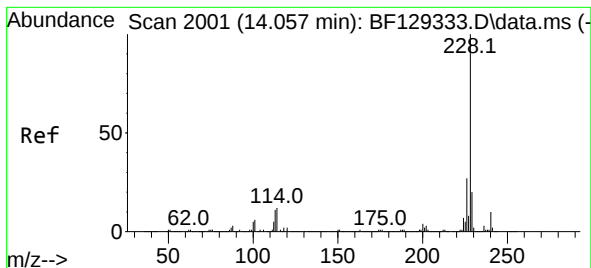


#80  
 Butylbenzylphthalate  
 Concen: 52.762 ng  
 RT: 13.416 min Scan# 1892  
 Delta R.T. -0.006 min  
 Lab File: BF129722.D  
 Acq: 11 Aug 2022 18:56



Tgt Ion:149 Resp: 484625  
 Ion Ratio Lower Upper  
 149 100  
 91 75.8 61.2 91.8  
 206 18.0 15.7 23.5





#81

Benzo(a)anthracene

Concen: 47.155 ng

RT: 13.998 min Scan# 1991

Delta R.T. -0.012 min

Lab File: BF129722.D

Acq: 11 Aug 2022 18:56

Instrument :

BNA\_F

ClientSampleId :

SB07MSD

Tgt Ion:228 Resp: 815704

Ion Ratio Lower Upper

228 100

226 27.1 22.1 33.1

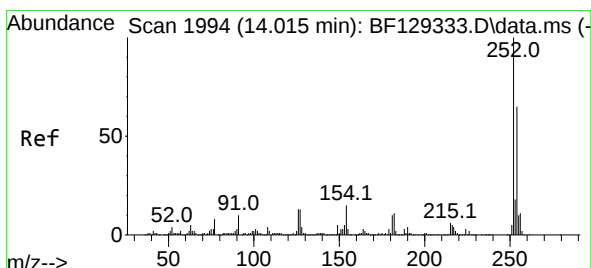
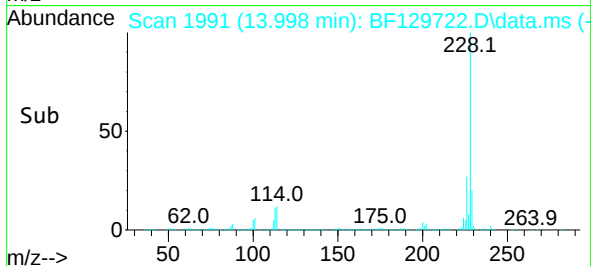
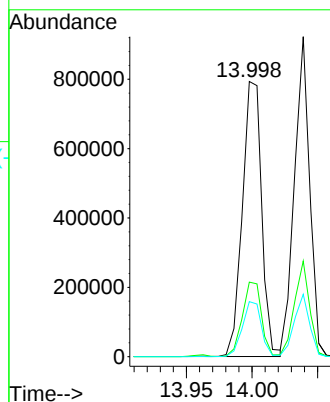
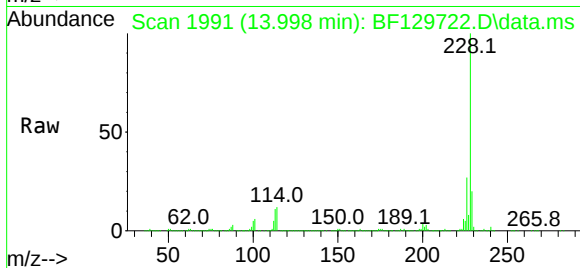
229 20.0 15.8 23.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/12/2022

Supervised By :Jagrut Upadhyay 08/12/2022



#82

3,3'-Dichlorobenzidine

Concen: 44.155 ng

RT: 13.963 min Scan# 1985

Delta R.T. -0.006 min

Lab File: BF129722.D

Acq: 11 Aug 2022 18:56

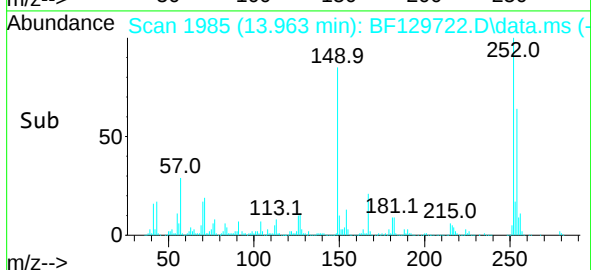
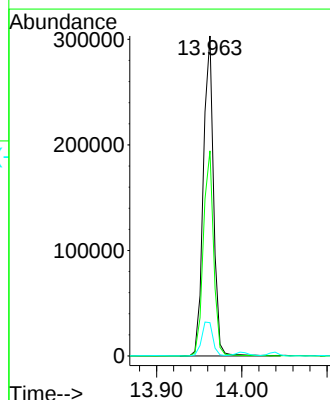
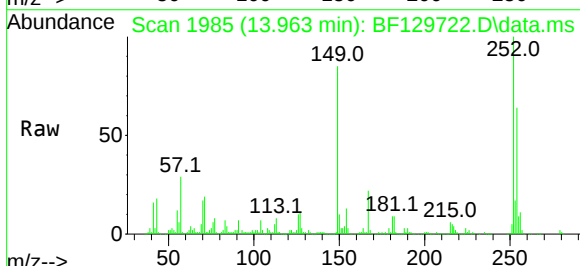
Tgt Ion:252 Resp: 252188

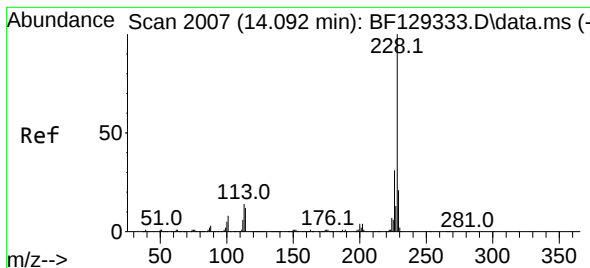
Ion Ratio Lower Upper

252 100

254 64.1 50.2 75.4

126 10.4 8.2 12.4





#83

Chrysene

Concen: 46.129 ng

RT: 14.039 min Scan# 1998

Delta R.T. -0.006 min

Lab File: BF129722.D

Acq: 11 Aug 2022 18:56

Instrument :

BNA\_F

ClientSampleId :

SB07MSD

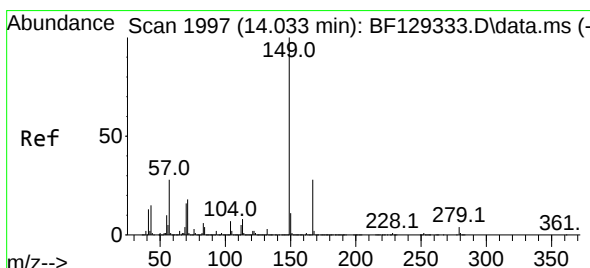
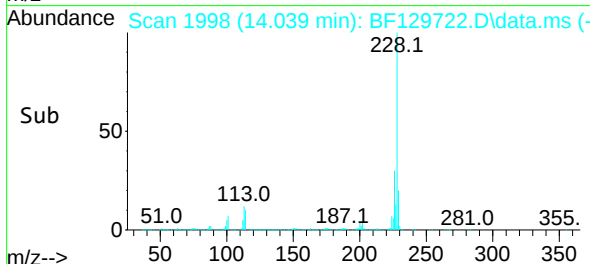
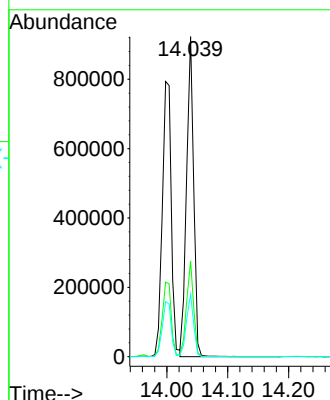
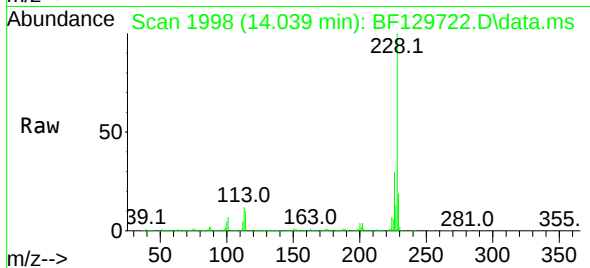
Tgt Ion:228 Resp: 75204

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 29.9  | 24.3  | 36.5  |
| 229 | 19.5  | 15.9  | 23.9  |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/12/2022  
Supervised By :Jagrut Upadhyay 08/12/2022



#84

Bis(2-ethylhexyl)phthalate

Concen: 50.592 ng

RT: 13.969 min Scan# 1986

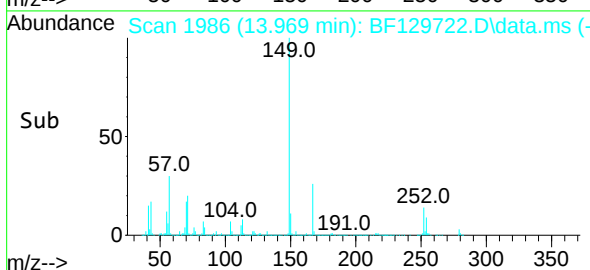
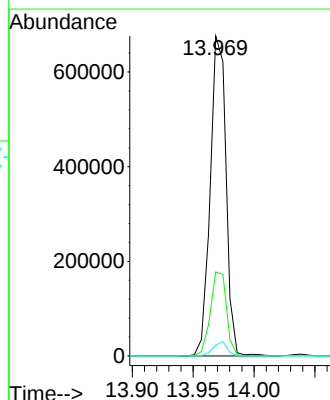
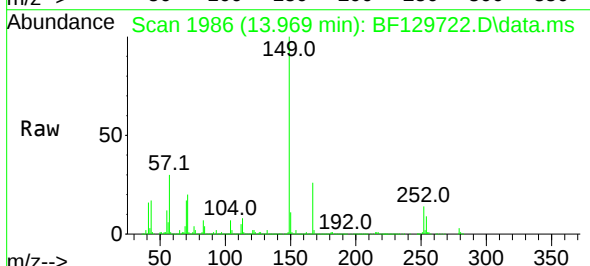
Delta R.T. -0.006 min

Lab File: BF129722.D

Acq: 11 Aug 2022 18:56

Tgt Ion:149 Resp: 611779

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 26.3  | 21.0  | 31.4  |
| 279 | 3.4   | 3.1   | 4.7   |





#85

Di-n-octyl phthalate

Concen: 52.583 ng

RT: 14.586 min Scan# 2091

Delta R.T. -0.006 min

Lab File: BF129722.D

Acq: 11 Aug 2022 18:56

Instrument :

BNA\_F

ClientSampleId :

SB07MSD

Tgt Ion:149 Resp: 915020

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

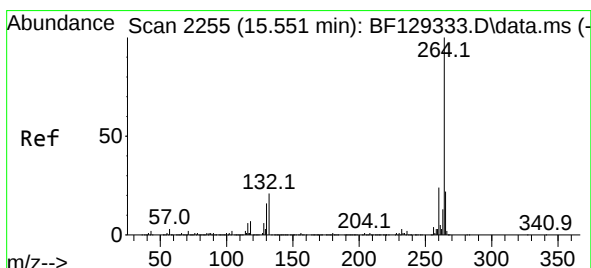
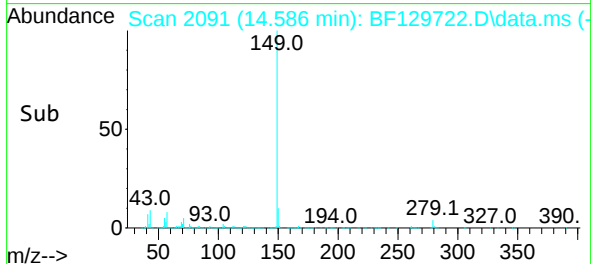
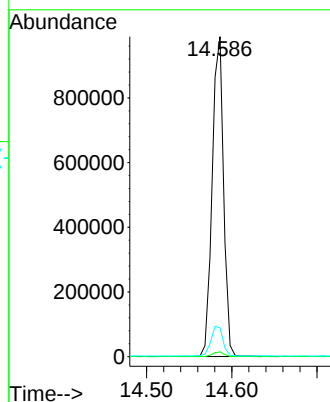
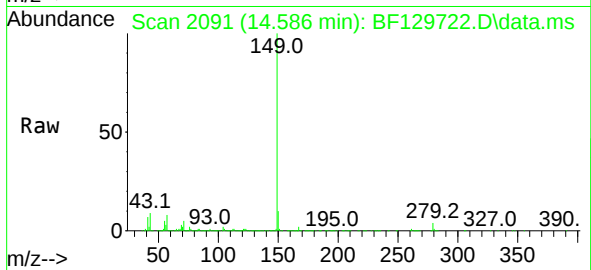
43 9.6 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/12/2022

Supervised By :Jagrut Upadhyay 08/12/2022



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.480 min Scan# 2243

Delta R.T. -0.012 min

Lab File: BF129722.D

Acq: 11 Aug 2022 18:56

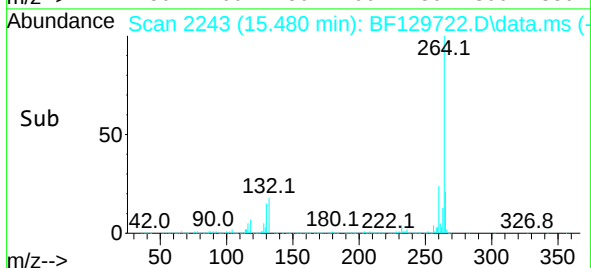
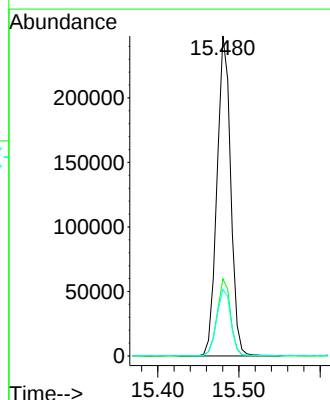
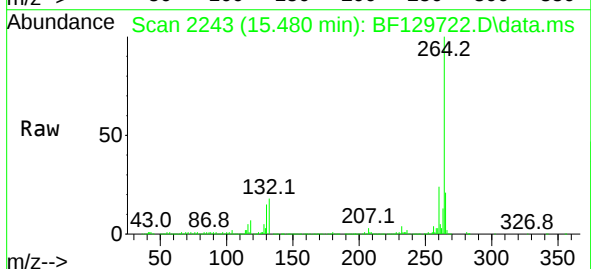
Tgt Ion:264 Resp: 291315

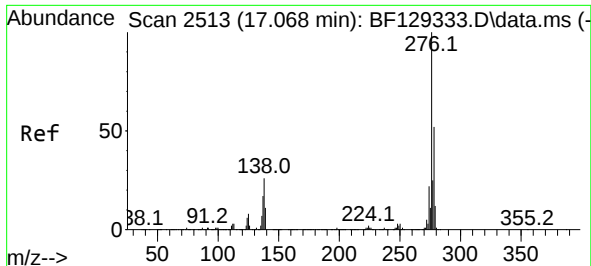
Ion Ratio Lower Upper

264 100

260 24.1 18.4 27.6

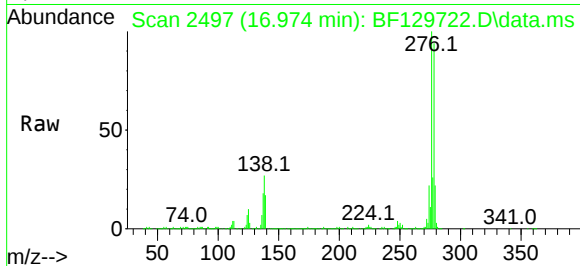
265 20.8 17.2 25.8





#87  
Indeno(1,2,3-cd)pyrene  
Concen: 54.353 ng  
RT: 16.974 min Scan# 2497  
Delta R.T. -0.012 min  
Lab File: BF129722.D  
Acq: 11 Aug 2022 18:56

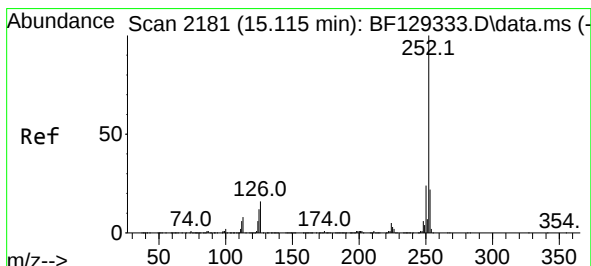
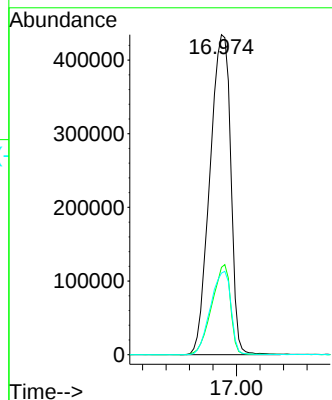
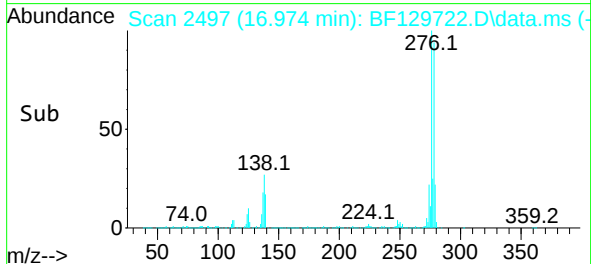
Instrument :  
BNA\_F  
ClientSampleId :  
SB07MSD



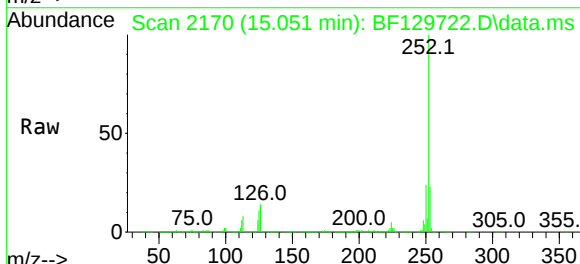
Tgt Ion:276 Resp: 106626  
Ion Ratio Lower Upper  
276 100  
138 25.4 21.1 31.7  
277 25.6 20.3 30.5

Manual Integrations  
APPROVED

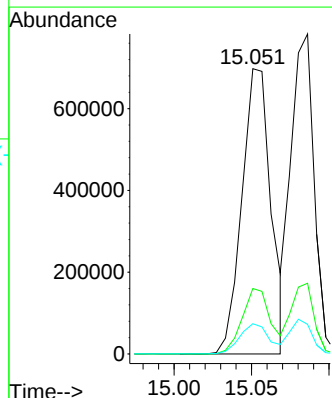
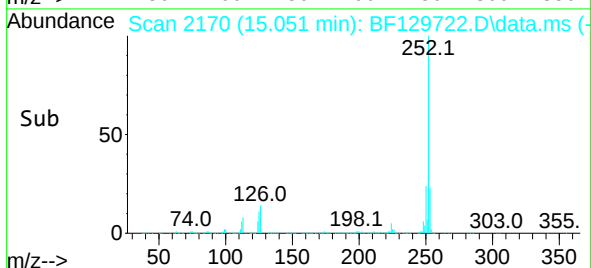
Reviewed By :Christian Giraldo 08/12/2022  
Supervised By :Jagrut Upadhyay 08/12/2022

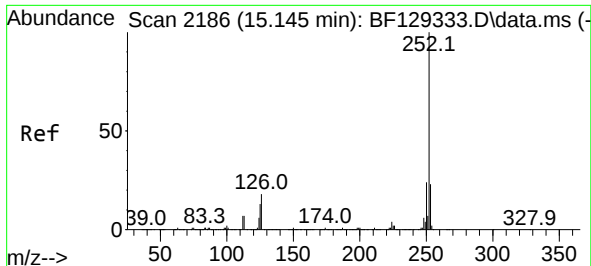


#88  
Benzo(b)fluoranthene  
Concen: 47.185 ng  
RT: 15.051 min Scan# 2170  
Delta R.T. -0.012 min  
Lab File: BF129722.D  
Acq: 11 Aug 2022 18:56



Tgt Ion:252 Resp: 911794  
Ion Ratio Lower Upper  
252 100  
253 23.0 17.7 26.5  
125 10.6 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 42.842 ng

RT: 15.086 min Scan# 2186

Delta R.T. -0.006 min

Lab File: BF129722.D

Acq: 11 Aug 2022 18:56

Instrument :

BNA\_F

ClientSampleId :

SB07MSD

Tgt Ion:252 Resp: 811294

Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.6

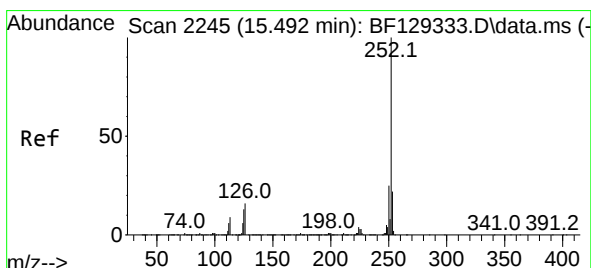
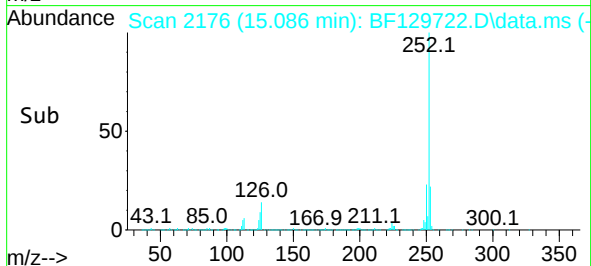
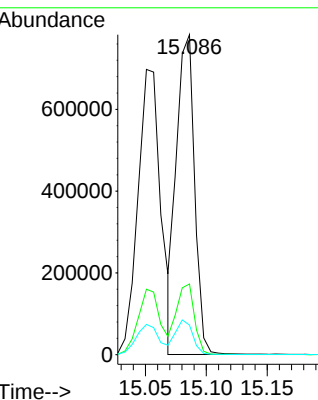
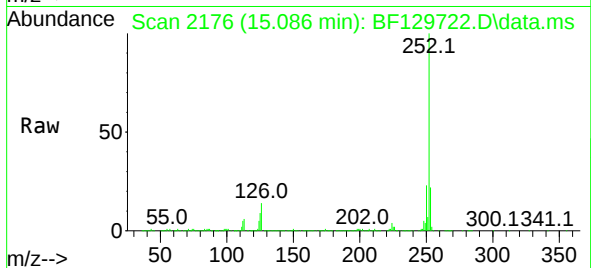
125 9.2 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/12/2022

Supervised By :Jagrut Upadhyay 08/12/2022



#90

Benzo(a)pyrene

Concen: 50.827 ng

RT: 15.421 min Scan# 2233

Delta R.T. -0.006 min

Lab File: BF129722.D

Acq: 11 Aug 2022 18:56

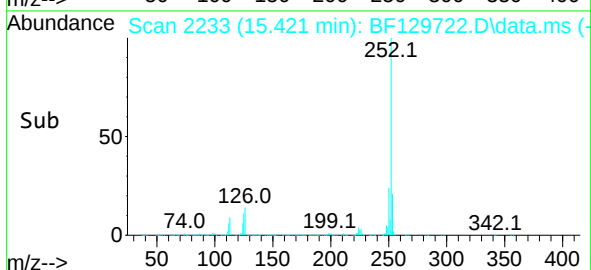
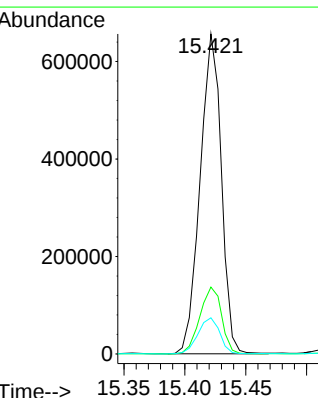
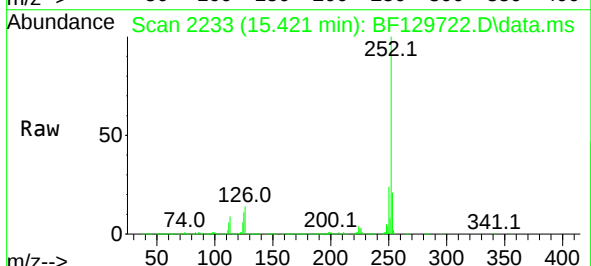
Tgt Ion:252 Resp: 797307

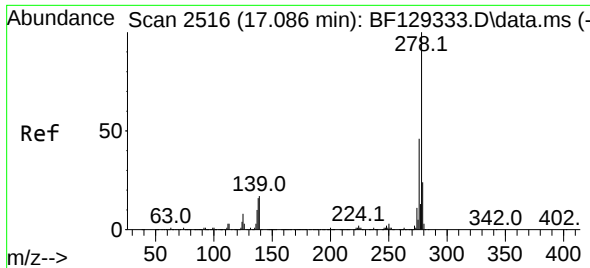
Ion Ratio Lower Upper

252 100

253 20.9 17.0 25.6

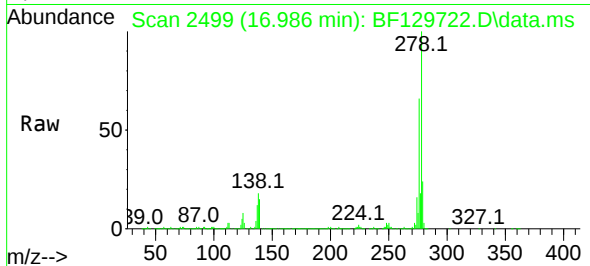
125 11.3 8.8 13.2





#91  
Dibenzo(a,h)anthracene  
Concen: 57.935 ng  
RT: 16.986 min Scan# 2499  
Delta R.T. -0.006 min  
Lab File: BF129722.D  
Acq: 11 Aug 2022 18:56

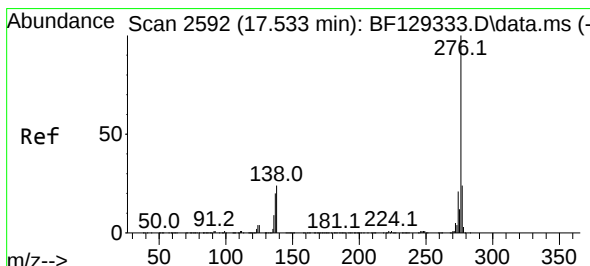
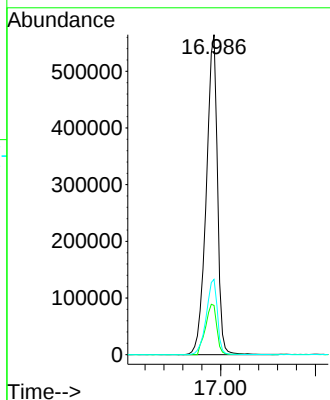
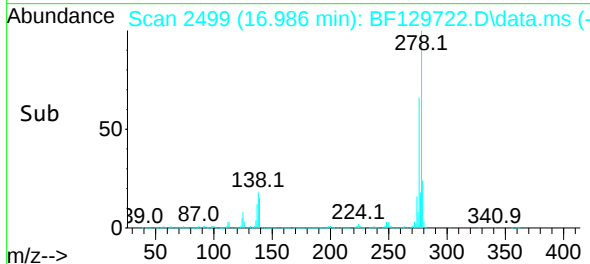
Instrument :  
BNA\_F  
ClientSampleId :  
SB07MSD



Tgt Ion:278 Resp: 925038  
Ion Ratio Lower Upper  
278 100  
139 15.4 12.8 19.2  
279 23.5 18.6 28.0

Manual Integrations  
APPROVED

Reviewed By :Christian Giraldo 08/12/2022  
Supervised By :Jagrut Upadhyay 08/12/2022



#92  
Benzo(g,h,i)perylene  
Concen: 56.055 ng  
RT: 17.427 min Scan# 2574  
Delta R.T. -0.006 min  
Lab File: BF129722.D  
Acq: 11 Aug 2022 18:56

Tgt Ion:276 Resp: 914554  
Ion Ratio Lower Upper  
276 100  
277 23.6 19.1 28.7  
138 20.9 18.0 27.0

