

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF081922\  
 Data File : BF129905.D  
 Acq On : 19 Aug 2022 11:18  
 Operator : CG\JU  
 Sample : PB146848BS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB146848BS

Quant Time: Aug 20 01:09:35 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF081422.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 18 12:03:10 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Christian  
 Giraldo

08/22/2022  
 Supervised By :Jagrut  
 Upadhyay

| Compound                  | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|---------------------------|--------|------|----------|--------|-------|----------|
| -----                     |        |      |          |        |       |          |
| Internal Standards        |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4 | 6.792  | 152  | 141865   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.075  | 136  | 577291   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.833  | 164  | 295399   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.327 | 188  | 487710   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12          | 13.980 | 240  | 284740   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12          | 15.439 | 264  | 255921   | 20.000 | ng    | 0.01     |

|                             |        |     |         |         |    |      |
|-----------------------------|--------|-----|---------|---------|----|------|
| System Monitoring Compounds |        |     |         |         |    |      |
| 5) 2-Fluorophenol           | 5.440  | 112 | 1075704 | 125.545 | ng | 0.01 |
| 7) Phenol-d6                | 6.451  | 99  | 1279737 | 119.269 | ng | 0.00 |
| 23) Nitrobenzene-d5         | 7.363  | 82  | 839226  | 77.821  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol    | 10.633 | 330 | 341984  | 115.349 | ng | 0.00 |
| 45) 2-Fluorobiphenyl        | 9.151  | 172 | 1492529 | 76.739  | ng | 0.00 |
| 79) Terphenyl-d14           | 12.910 | 244 | 1502430 | 87.798  | ng | 0.00 |

|                               |       |     |         |        |    |        |
|-------------------------------|-------|-----|---------|--------|----|--------|
| Target Compounds              |       |     |         |        |    | Qvalue |
| 2) 1,4-Dioxane                | 2.569 | 88  | 124496  | 35.219 | ng | 98     |
| 3) Pyridine                   | 3.340 | 79  | 341746  | 36.942 | ng | 98     |
| 4) n-Nitrosodimethylamine     | 3.287 | 42  | 193522  | 45.393 | ng | 99     |
| 6) Aniline                    | 6.463 | 93  | 492354  | 40.260 | ng | 93     |
| 8) 2-Chlorophenol             | 6.592 | 128 | 421519  | 44.191 | ng | 99     |
| 9) Benzaldehyde               | 6.351 | 77  | 281327  | 50.771 | ng | 99     |
| 10) Phenol                    | 6.469 | 94  | 504136  | 42.833 | ng | 83     |
| 11) bis(2-Chloroethyl)ether   | 6.534 | 93  | 390388  | 43.679 | ng | 100    |
| 12) 1,3-Dichlorobenzene       | 6.734 | 146 | 442728  | 42.994 | ng | 99     |
| 13) 1,4-Dichlorobenzene       | 6.810 | 146 | 444717  | 42.266 | ng | 99     |
| 14) 1,2-Dichlorobenzene       | 6.963 | 146 | 421974  | 43.181 | ng | 98     |
| 15) Benzyl Alcohol            | 6.951 | 79  | 354177  | 43.724 | ng | 96     |
| 16) 2,2'-oxybis(1-Chloropr... | 7.069 | 45  | 514190  | 42.934 | ng | 95     |
| 17) 2-Methylphenol            | 7.069 | 107 | 328213  | 42.854 | ng | 99     |
| 18) Hexachloroethane          | 7.298 | 117 | 172334  | 43.616 | ng | 95     |
| 19) n-Nitroso-di-n-propyla... | 7.210 | 70  | 286366  | 42.223 | ng | 99     |
| 20) 3+4-Methylphenols         | 7.222 | 107 | 430549  | 41.879 | ng | 98     |
| 22) Acetophenone              | 7.210 | 105 | 586697  | 41.704 | ng | 98     |
| 24) Nitrobenzene              | 7.381 | 77  | 434209  | 39.930 | ng | 95     |
| 25) Isophorone                | 7.622 | 82  | 764381  | 41.182 | ng | 100    |
| 26) 2-Nitrophenol             | 7.698 | 139 | 224462  | 41.965 | ng | 99     |
| 27) 2,4-Dimethylphenol        | 7.739 | 122 | 345823  | 45.083 | ng | 96     |
| 28) bis(2-Chloroethoxy)met... | 7.828 | 93  | 474196  | 43.756 | ng | 99     |
| 29) 2,4-Dichlorophenol        | 7.951 | 162 | 335692  | 40.021 | ng | 100    |
| 30) 1,2,4-Trichlorobenzene    | 8.016 | 180 | 346143  | 39.118 | ng | 98     |
| 31) Naphthalene               | 8.098 | 128 | 1175677 | 38.950 | ng | 100    |
| 32) Benzoic acid              | 7.892 | 122 | 142975  | 43.035 | ng | 94     |
| 33) 4-Chloroaniline           | 8.157 | 127 | 436830  | 36.802 | ng | 99     |
| 34) Hexachlorobutadiene       | 8.204 | 225 | 209667  | 38.913 | ng | 98     |
| 35) Caprolactam               | 8.539 | 113 | 104523m | 40.072 | ng |        |
| 36) 4-Chloro-3-methylphenol   | 8.657 | 107 | 362364  | 40.045 | ng | 98     |
| 37) 2-Methylnaphthalene       | 8.792 | 142 | 768545  | 38.794 | ng | 100    |
| 38) 1-Methylnaphthalene       | 8.892 | 142 | 731045  | 37.970 | ng | 99     |
| 40) 1,2,4,5-Tetrachloroben... | 8.957 | 216 | 344825  | 41.970 | ng | 98     |
| 41) Hexachlorocyclopentadiene | 8.939 | 237 | 233793  | 84.750 | ng | 98     |
| 43) 2,4,6-Trichlorophenol     | 9.081 | 196 | 206603  | 38.703 | ng | 97     |

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Manual Integrations  
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 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |  |
|-------------------------------|--------|------|----------|--------|-------|----------|--|
| 44) 2,4,5-Trichlorophenol     | 9.133  | 196  | 223186   | 38.862 | ng    | 94       |  |
| 46) 1,1'-Biphenyl             | 9.257  | 154  | 918142   | 40.913 | ng    | 99       |  |
| 47) 2-Chloronaphthalene       | 9.281  | 162  | 711804   | 40.088 | ng    | 98       |  |
| 48) 2-Nitroaniline            | 9.392  | 65   | 230986   | 41.164 | ng    | 93       |  |
| 49) Acenaphthylene            | 9.698  | 152  | 1061316  | 39.416 | ng    | 100      |  |
| 50) Dimethylphthalate         | 9.563  | 163  | 811868   | 38.339 | ng    | 99       |  |
| 51) 2,6-Dinitrotoluene        | 9.633  | 165  | 185136   | 40.303 | ng    | 93       |  |
| 52) Acenaphthene              | 9.869  | 154  | 649201   | 39.741 | ng    | 100      |  |
| 53) 3-Nitroaniline            | 9.804  | 138  | 166520   | 32.779 | ng    | 91       |  |
| 54) 2,4-Dinitrophenol         | 9.928  | 184  | 166382   | 80.104 | ng    | 93       |  |
| 55) Dibenzofuran              | 10.045 | 168  | 968175   | 39.449 | ng    | 99       |  |
| 56) 4-Nitrophenol             | 9.998  | 139  | 185887   | 82.251 | ng    | 97       |  |
| 57) 2,4-Dinitrotoluene        | 10.045 | 165  | 235861   | 39.553 | ng    | 98       |  |
| 58) Fluorene                  | 10.386 | 166  | 793151   | 38.705 | ng    | 99       |  |
| 59) 2,3,4,6-Tetrachlorophenol | 10.175 | 232  | 165958   | 39.376 | ng    | # 80     |  |
| 60) Diethylphthalate          | 10.263 | 149  | 795341   | 37.667 | ng    | 99       |  |
| 61) 4-Chlorophenyl-phenyle... | 10.375 | 204  | 357364   | 38.861 | ng    | 97       |  |
| 62) 4-Nitroaniline            | 10.427 | 138  | 201472m  | 39.312 | ng    |          |  |
| 63) Azobenzene                | 10.539 | 77   | 775441   | 38.421 | ng    | 95       |  |
| 65) 4,6-Dinitro-2-methylph... | 10.457 | 198  | 115557   | 40.360 | ng    | 91       |  |
| 66) n-Nitrosodiphenylamine    | 10.498 | 169  | 674251   | 40.960 | ng    | 99       |  |
| 67) 4-Bromophenyl-phenylether | 10.863 | 248  | 228843   | 40.061 | ng    | 98       |  |
| 68) Hexachlorobenzene         | 10.939 | 284  | 253206   | 40.920 | ng    | # 92     |  |
| 69) Atrazine                  | 11.027 | 200  | 219070   | 43.360 | ng    | 97       |  |
| 70) Pentachlorophenol         | 11.145 | 266  | 137853   | 74.690 | ng    | 98       |  |
| 71) Phenanthrene              | 11.351 | 178  | 1101011  | 40.421 | ng    | 100      |  |
| 72) Anthracene                | 11.404 | 178  | 1120250  | 41.357 | ng    | 100      |  |
| 73) Carbazole                 | 11.569 | 167  | 1037991  | 42.214 | ng    | 100      |  |
| 74) Di-n-butylphthalate       | 11.880 | 149  | 1183913  | 37.411 | ng    | 99       |  |
| 75) Fluoranthene              | 12.545 | 202  | 1092359  | 39.191 | ng    | 99       |  |
| 77) Benzidine                 | 12.669 | 184  | 562188   | 87.295 | ng    | 100      |  |
| 78) Pyrene                    | 12.774 | 202  | 1099562  | 44.438 | ng    | 100      |  |
| 80) Butylbenzylphthalate      | 13.380 | 149  | 414565   | 39.595 | ng    | 97       |  |
| 81) Benzo(a)anthracene        | 13.968 | 228  | 793112   | 40.491 | ng    | 99       |  |
| 82) 3,3'-Dichlorobenzidine    | 13.927 | 252  | 222733   | 36.716 | ng    | 97       |  |
| 83) Chrysene                  | 14.004 | 228  | 725179   | 39.551 | ng    | 99       |  |
| 84) Bis(2-ethylhexyl)phtha... | 13.933 | 149  | 477493   | 38.440 | ng    | 98       |  |
| 85) Di-n-octyl phthalate      | 14.545 | 149  | 664975   | 38.779 | ng    | 99       |  |
| 87) Indeno(1,2,3-cd)pyrene    | 16.921 | 276  | 867337   | 49.367 | ng    | 100      |  |
| 88) Benzo(b)fluoranthene      | 15.015 | 252  | 695863   | 39.708 | ng    | 99       |  |
| 89) Benzo(k)fluoranthene      | 15.045 | 252  | 645326   | 38.399 | ng    | 99       |  |
| 90) Benzo(a)pyrene            | 15.380 | 252  | 598464   | 43.366 | ng    | 100      |  |
| 91) Dibenzo(a,h)anthracene    | 16.921 | 278  | 748861   | 51.657 | ng    | 99       |  |
| 92) Benzo(g,h,i)perylene      | 17.362 | 276  | 780895   | 53.994 | ng    | 98       |  |

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

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ALS Vial : 6 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
PB146848BS

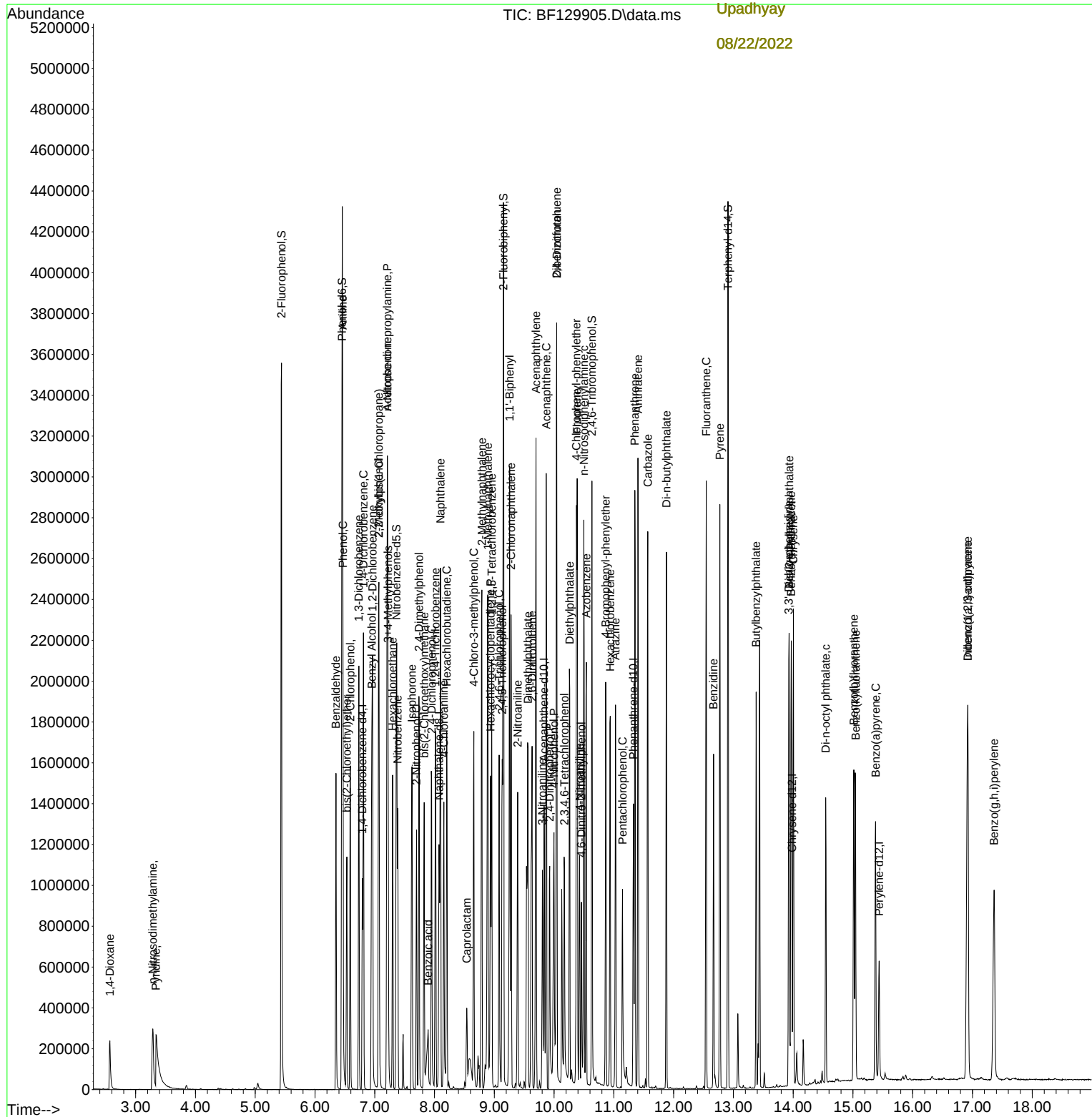
Quant Time: Aug 20 01:09:35 2022  
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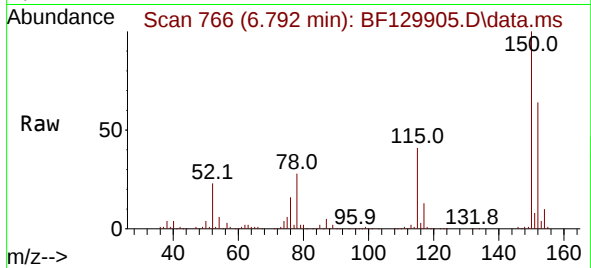
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#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.792 min Scan# 70  
Delta R.T. 0.000 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

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BNA\_F  
ClientSampleId :  
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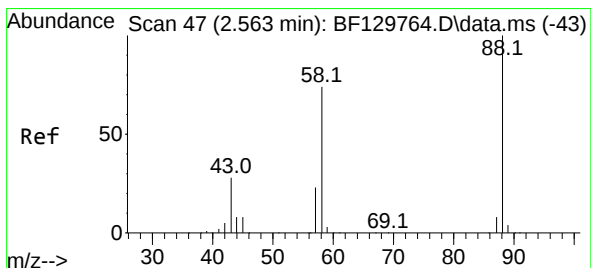
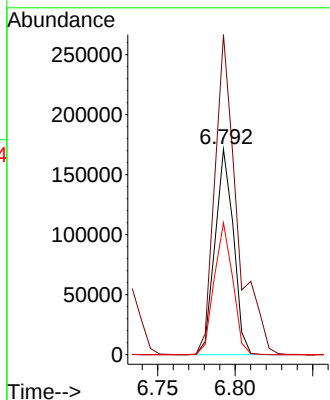
Tgt Ion: 152 Resp: 14186  
Ion Ratio Lower Upper  
152 100  
150 155.8 126.9 190.3  
115 64.2 53.4 80.0

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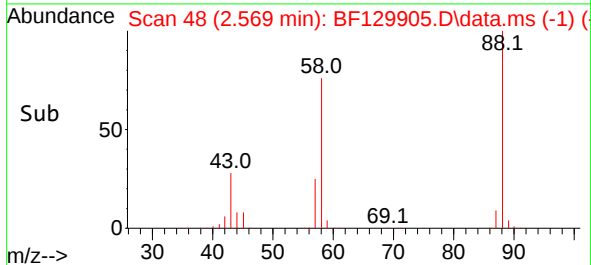
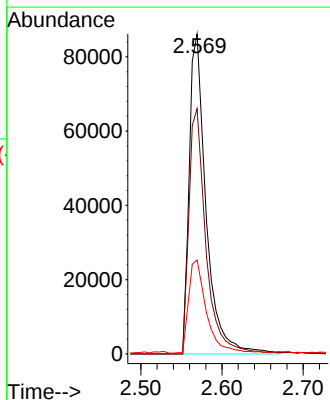
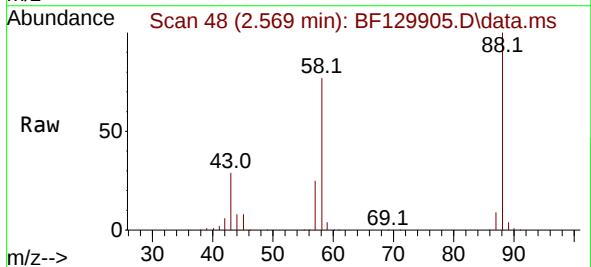
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#2  
1,4-Dioxane  
Concen: 35.219 ng  
RT: 2.569 min Scan# 48  
Delta R.T. 0.071 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

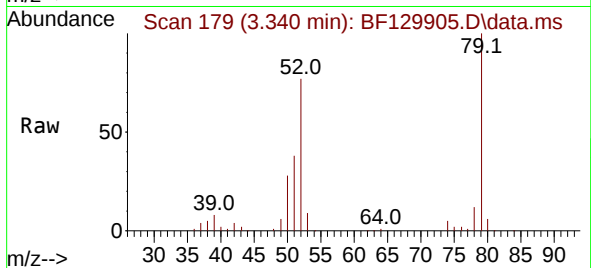
Tgt Ion: 88 Resp: 124496  
Ion Ratio Lower Upper  
88 100  
58 77.5 60.9 91.3  
43 30.7 23.6 35.4





#3  
Pyridine  
Concen: 36.942 ng  
RT: 3.340 min Scan# 11  
Delta R.T. 0.071 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

Instrument :  
BNA\_F  
ClientSampleId :  
PB146848BS



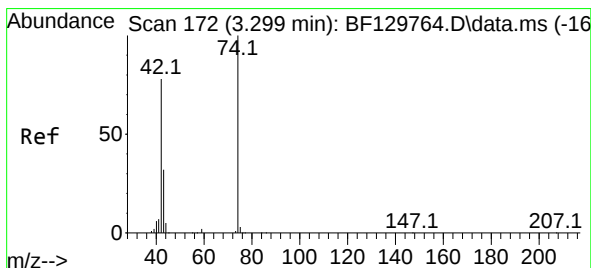
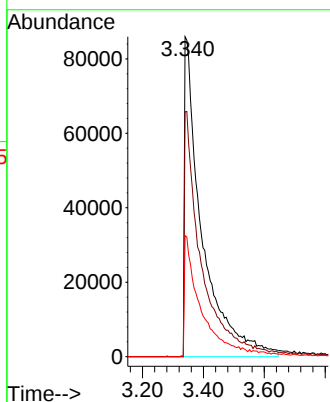
Tgt Ion: 79 Resp: 341740  
Ion Ratio Lower Upper  
79 100  
52 76.5 59.4 89.2  
51 37.8 29.5 44.3

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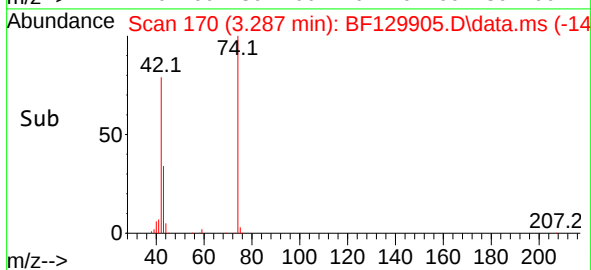
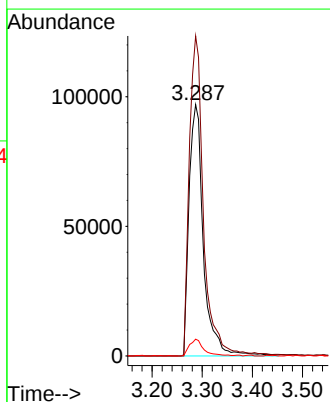
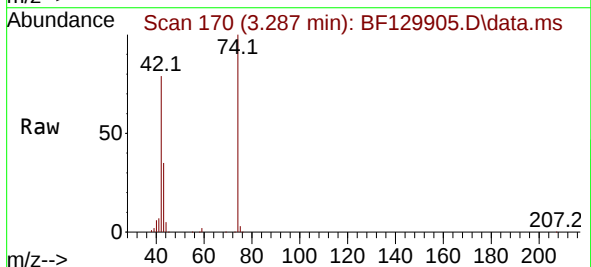
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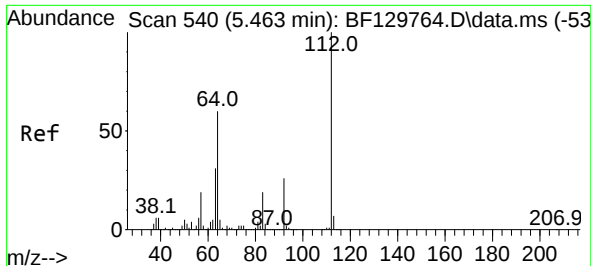
08/22/2022



#4  
n-Nitrosodimethylamine  
Concen: 45.393 ng  
RT: 3.287 min Scan# 170  
Delta R.T. 0.059 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

Tgt Ion: 42 Resp: 193522  
Ion Ratio Lower Upper  
42 100  
74 127.3 103.1 154.7  
44 6.7 5.4 8.2





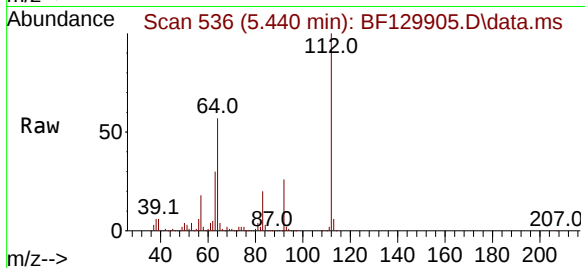
#5  
2-Fluorophenol  
Concen: 125.545 ng  
RT: 5.440 min Scan# 51  
Delta R.T. 0.012 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

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Tgt Ion:112 Resp: 1075704  
Ion Ratio Lower Upper  
112 100  
64 57.0 47.6 71.4  
63 29.9 24.6 37.0

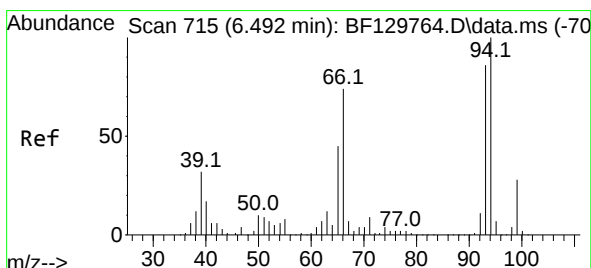
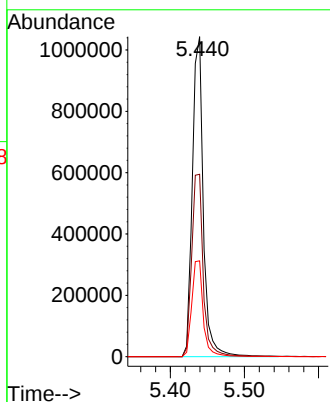
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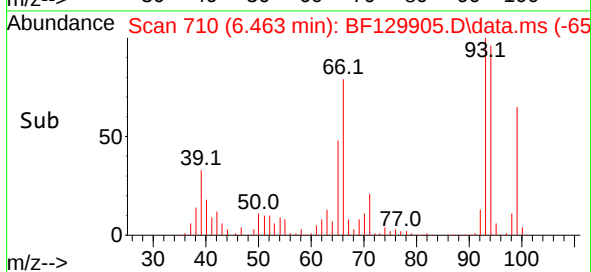
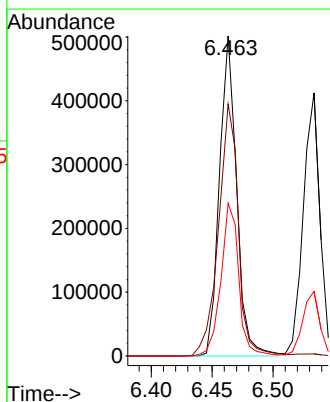
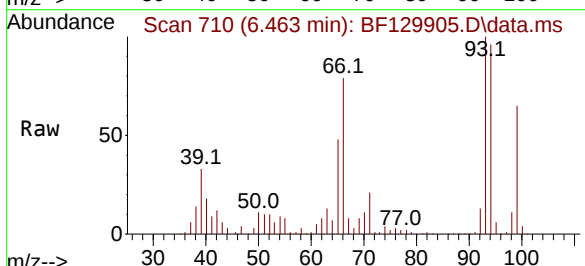
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#6  
Aniline  
Concen: 40.260 ng  
RT: 6.463 min Scan# 710  
Delta R.T. 0.000 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

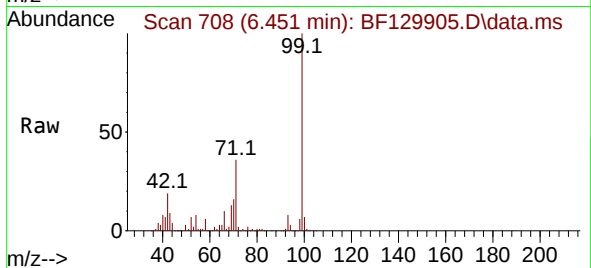
Tgt Ion: 93 Resp: 492354  
Ion Ratio Lower Upper  
93 100  
66 78.8 68.7 103.1  
65 47.7 41.6 62.4





#7  
Phenol-d6  
Concen: 119.269 ng  
RT: 6.451 min Scan# 70  
Delta R.T. 0.000 min  
Lab File: BF129905.D  
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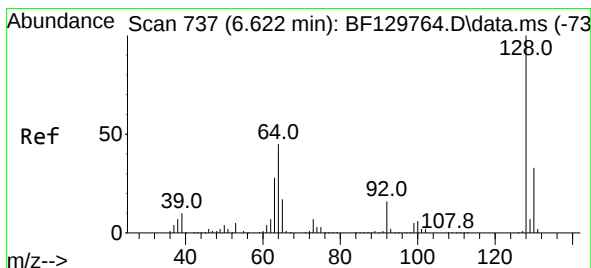
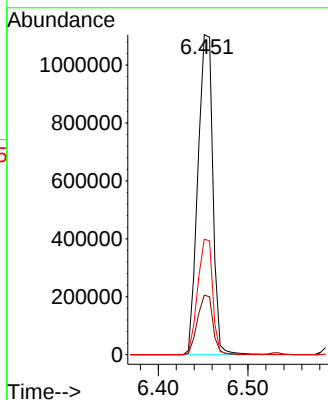
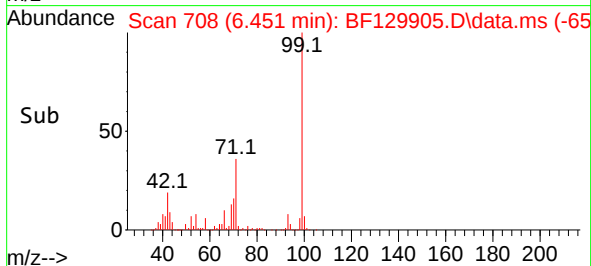
Tgt Ion: 99 Resp: 127973  
Ion Ratio Lower Upper  
99 100  
42 18.6 15.0 22.4  
71 36.1 28.8 43.2

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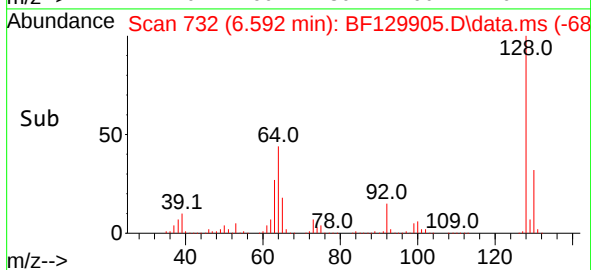
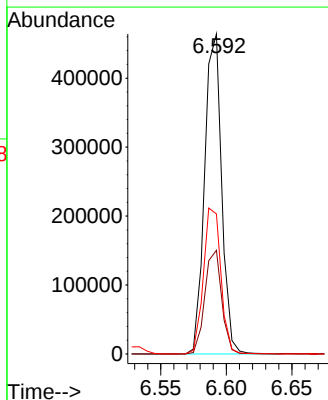
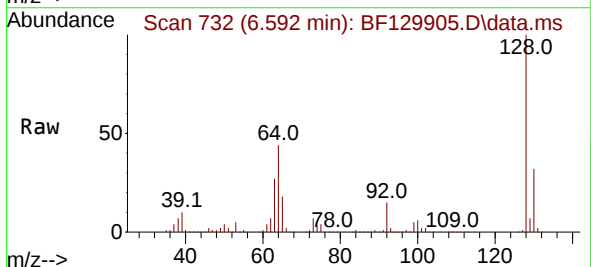
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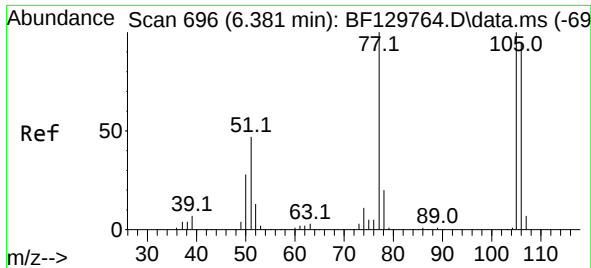
08/22/2022



#8  
2-Chlorophenol  
Concen: 44.191 ng  
RT: 6.592 min Scan# 732  
Delta R.T. 0.006 min  
Lab File: BF129905.D  
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Tgt Ion:128 Resp: 421519  
Ion Ratio Lower Upper  
128 100  
130 32.4 12.5 52.5  
64 43.7 24.9 64.9





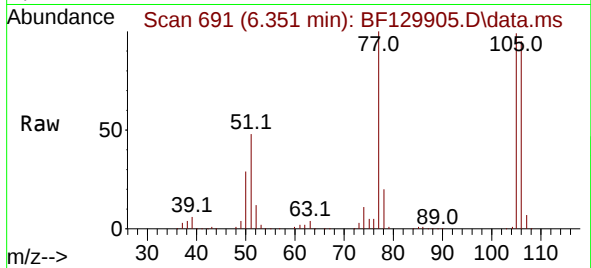
#9  
Benzaldehyde  
Concen: 50.771 ng  
RT: 6.351 min Scan# 696  
Delta R.T. 0.000 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

Instrument :

BNA\_F

ClientSampleId :

PB146848BS



Tgt Ion: 77 Resp: 28132  
Ion Ratio Lower Upper  
77 100  
105 99.3 80.3 120.3  
106 94.7 74.3 114.3

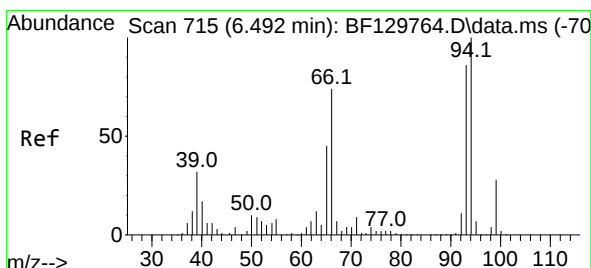
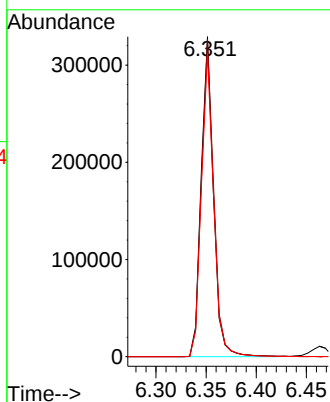
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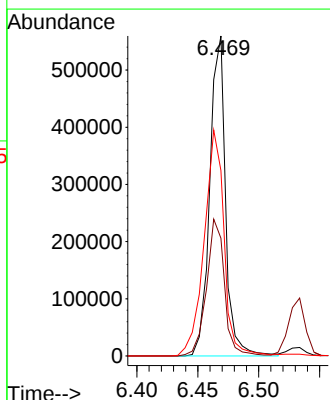
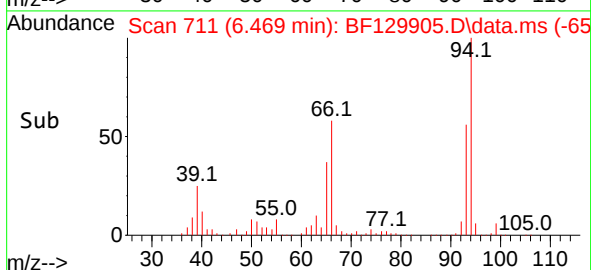
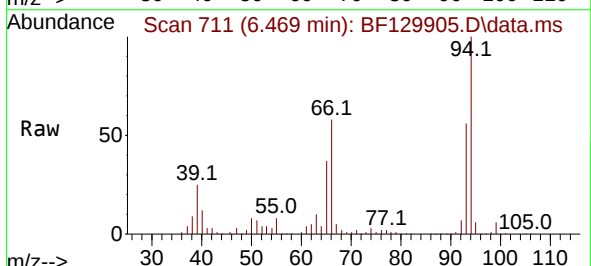
Supervised By :Jagrut  
Upadhyay

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#10  
Phenol  
Concen: 42.833 ng  
RT: 6.469 min Scan# 711  
Delta R.T. 0.006 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

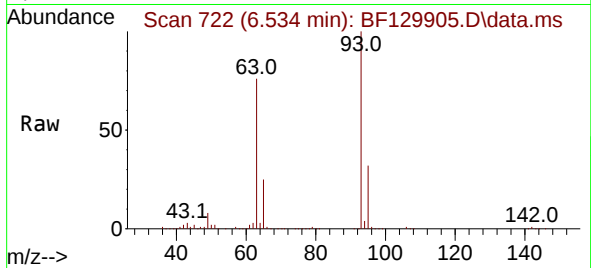
Tgt Ion: 94 Resp: 504136  
Ion Ratio Lower Upper  
94 100  
65 36.8 24.9 64.9  
66 58.0 54.2 94.2





#11  
bis(2-Chloroethyl)ether  
Concen: 43.679 ng  
RT: 6.534 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

Instrument :  
BNA\_F  
ClientSampleId :  
PB146848BS



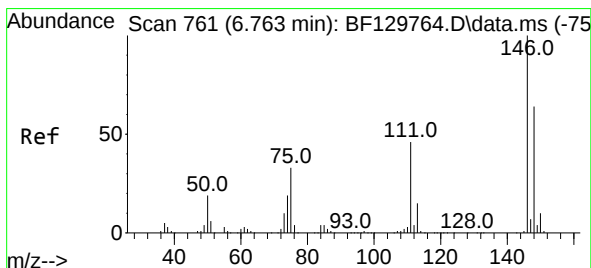
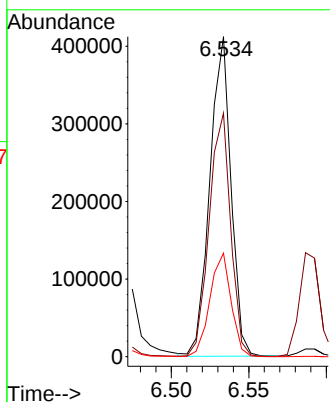
Tgt Ion: 93 Resp: 390388  
Ion Ratio Lower Upper  
93 100  
63 76.1 55.9 95.9  
95 32.4 12.3 52.3

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Reviewed By :Christian  
Giraldo

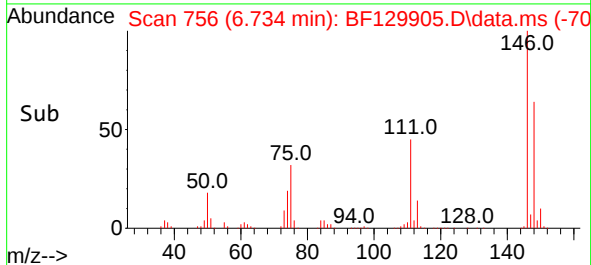
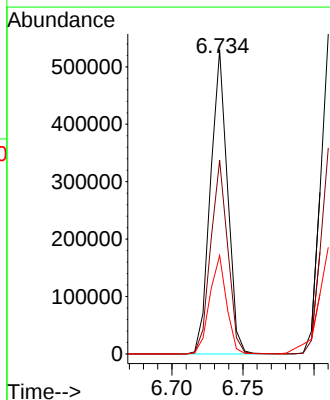
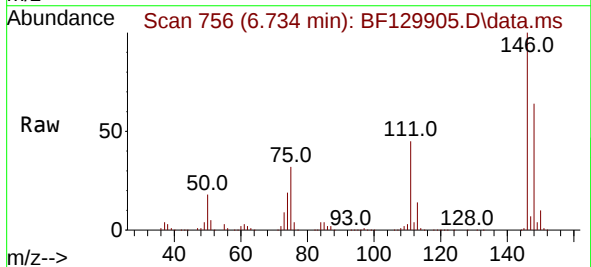
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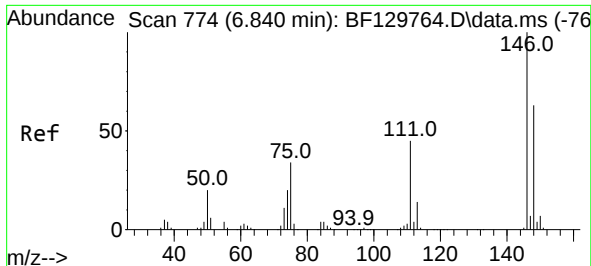
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#12  
1,3-Dichlorobenzene  
Concen: 42.994 ng  
RT: 6.734 min Scan# 756  
Delta R.T. 0.000 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

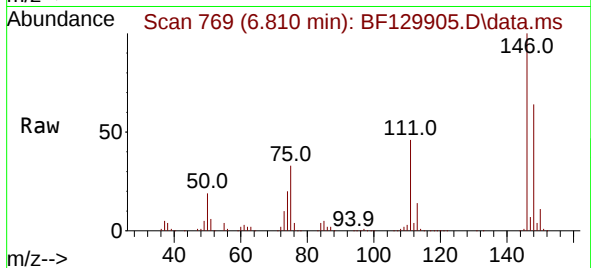
Tgt Ion:146 Resp: 442728  
Ion Ratio Lower Upper  
146 100  
148 63.7 51.2 76.8  
75 32.3 26.5 39.7





#13  
1,4-Dichlorobenzene  
Concen: 42.266 ng  
RT: 6.810 min Scan# 709  
Delta R.T. 0.000 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

Instrument :  
BNA\_F  
ClientSampleId :  
PB146848BS



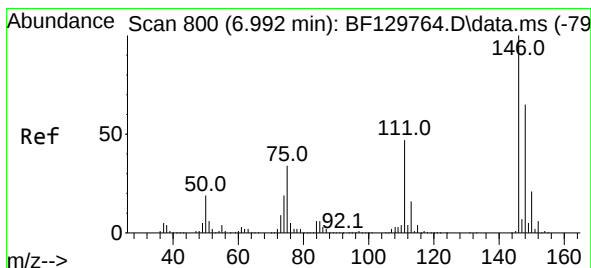
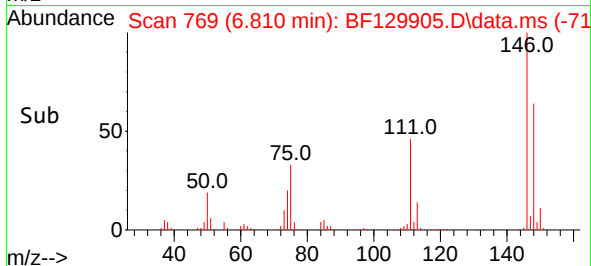
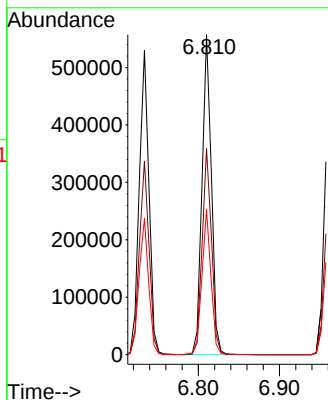
Tgt Ion:146 Resp: 44471  
Ion Ratio Lower Upper  
146 100  
148 64.4 50.6 75.8  
111 45.5 36.2 54.4

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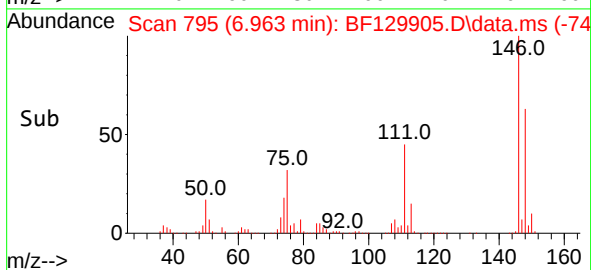
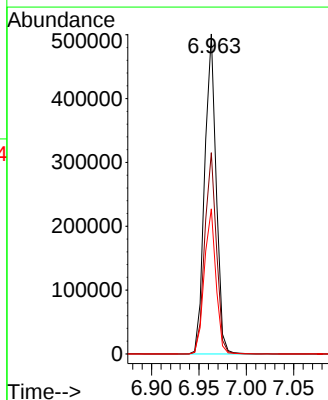
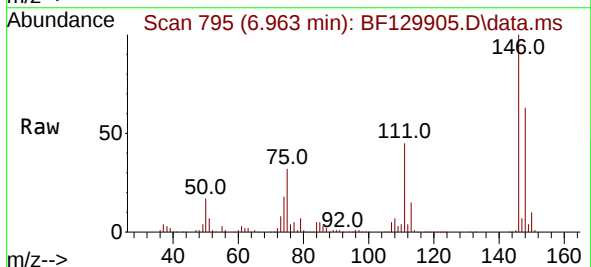
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#14  
1,2-Dichlorobenzene  
Concen: 43.181 ng  
RT: 6.963 min Scan# 795  
Delta R.T. 0.000 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

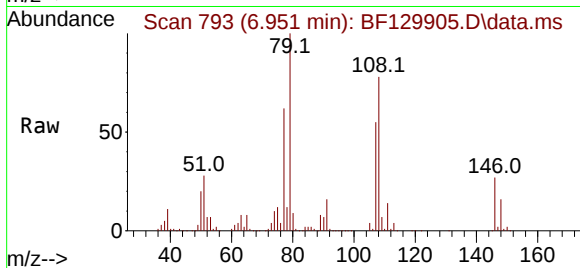
Tgt Ion:146 Resp: 421974  
Ion Ratio Lower Upper  
146 100  
148 62.9 51.8 77.6  
111 45.4 37.2 55.8





#15  
Benzyl Alcohol  
Concen: 43.724 ng  
RT: 6.951 min Scan# 79  
Delta R.T. 0.006 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

Instrument :  
BNA\_F  
ClientSampleId :  
PB146848BS



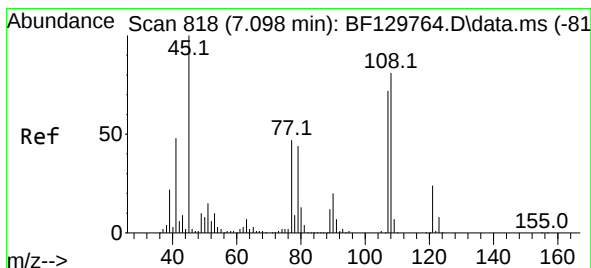
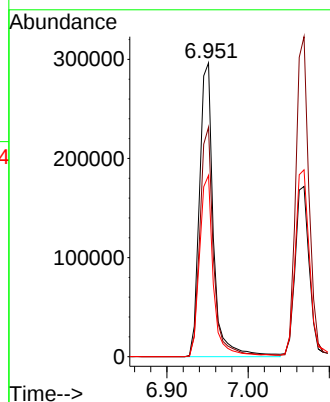
Tgt Ion: 79 Resp: 35417  
Ion Ratio Lower Upper  
79 100  
108 78.1 59.2 88.8  
77 61.7 51.9 77.9

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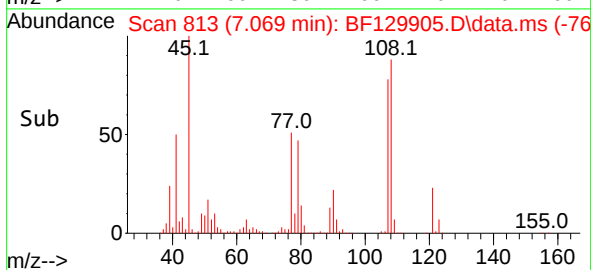
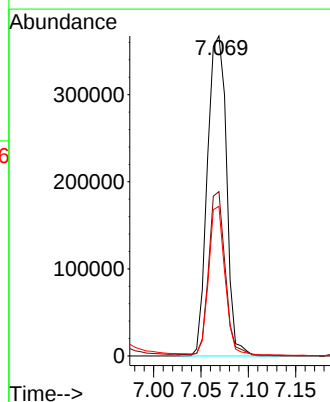
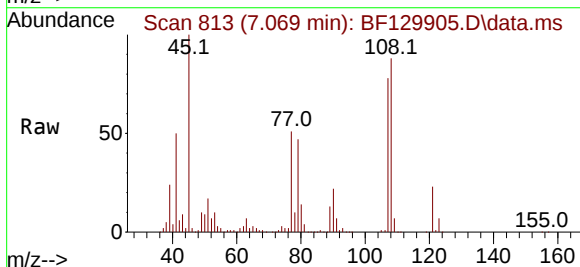
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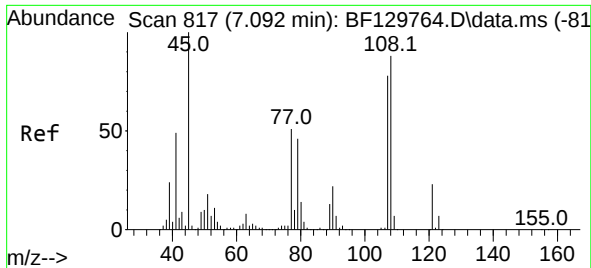
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#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 42.934 ng  
RT: 7.069 min Scan# 813  
Delta R.T. 0.000 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

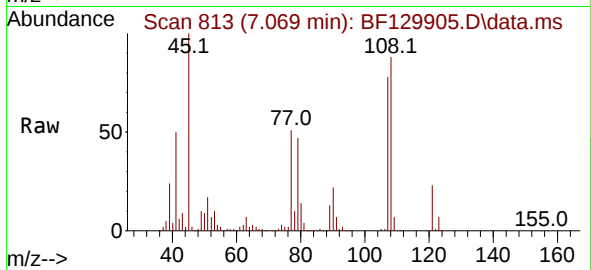
Tgt Ion: 45 Resp: 514190  
Ion Ratio Lower Upper  
45 100  
77 51.3 27.4 67.4  
79 46.8 24.4 64.4





#17  
2-Methylphenol  
Concen: 42.854 ng  
RT: 7.069 min Scan# 81  
Delta R.T. 0.006 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

Instrument :  
BNA\_F  
ClientSampleId :  
PB146848BS



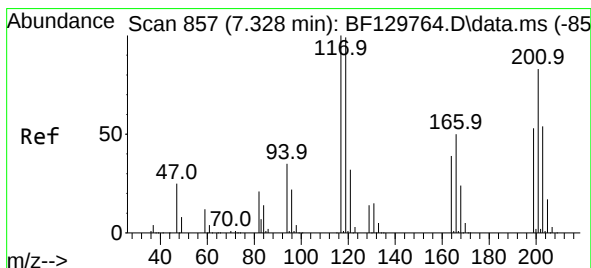
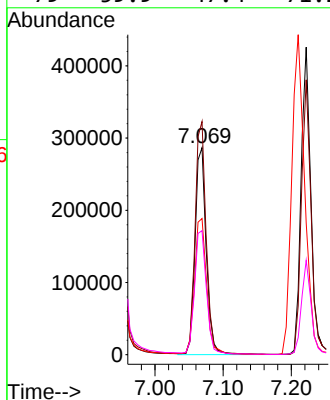
Tgt Ion:107 Resp: 32821  
Ion Ratio Lower Upper  
107 100  
108 112.6 90.2 135.2  
77 65.8 51.8 77.8  
79 59.9 47.4 71.2

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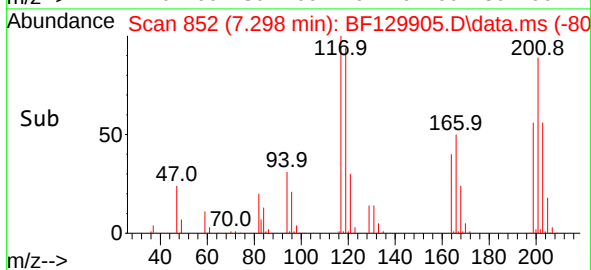
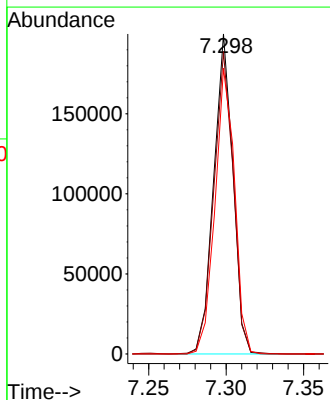
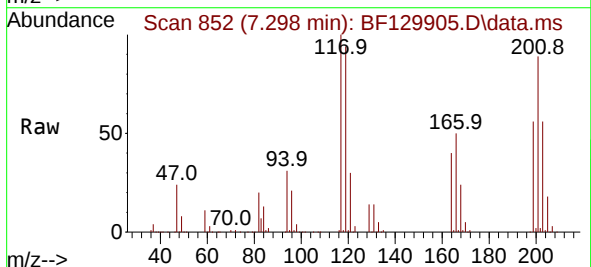
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#18  
Hexachloroethane  
Concen: 43.616 ng  
RT: 7.298 min Scan# 852  
Delta R.T. 0.000 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

Tgt Ion:117 Resp: 172334  
Ion Ratio Lower Upper  
117 100  
119 94.5 79.1 118.7  
201 89.2 66.6 100.0





#19

n-Nitroso-di-n-propylamine

Concen: 42.223 ng

RT: 7.210 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF129905.D

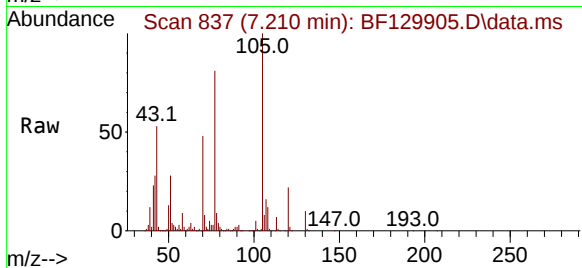
Acq: 19 Aug 2022 11:18

Instrument :

BNA\_F

ClientSampleId :

PB146848BS



Tgt Ion: 70 Resp: 286360

Ion Ratio Lower Upper

70 100

42 58.2 47.6 71.4

101 9.7 8.1 12.1

130 21.3 17.2 25.8

Manual Integrations

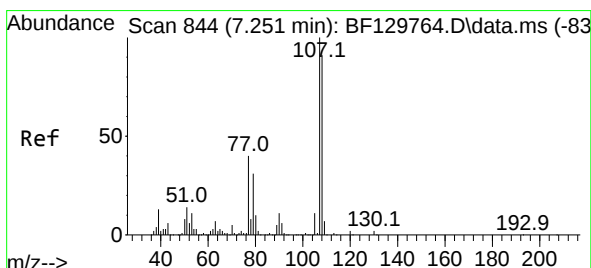
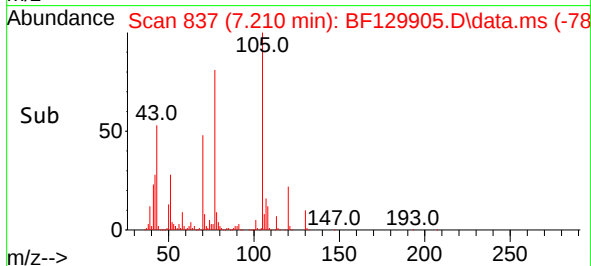
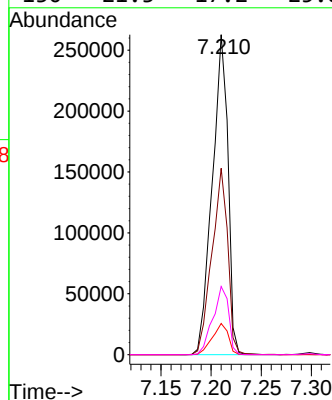
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#20

3+4-Methylphenols

Concen: 41.879 ng

RT: 7.222 min Scan# 839

Delta R.T. 0.000 min

Lab File: BF129905.D

Acq: 19 Aug 2022 11:18

Tgt Ion:107 Resp: 430549

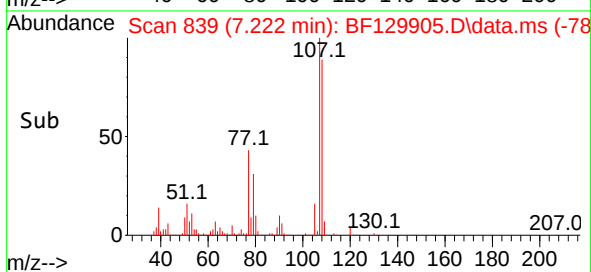
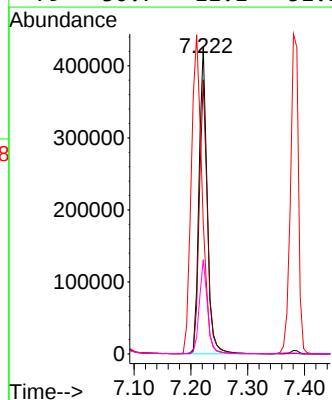
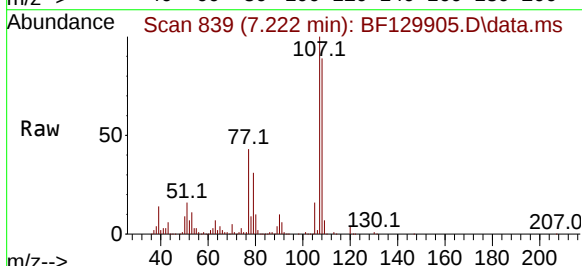
Ion Ratio Lower Upper

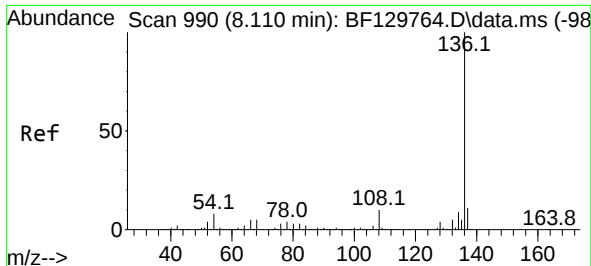
107 100

108 89.4 71.3 111.3

77 42.8 20.4 60.4

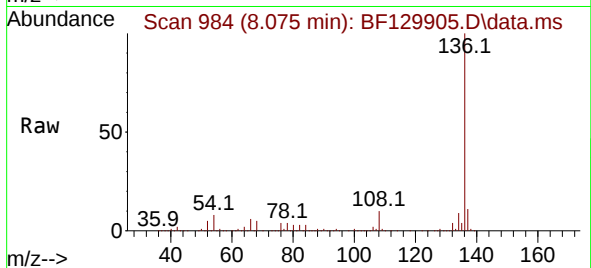
79 30.7 11.1 51.1





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.075 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

Instrument :  
BNA\_F  
ClientSampleId :  
PB146848BS



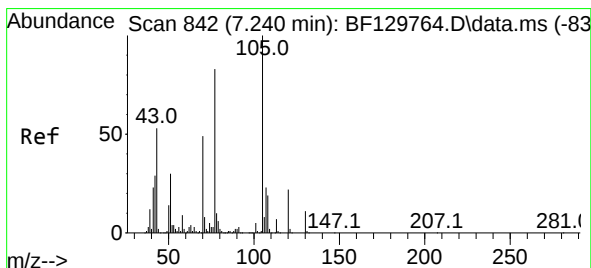
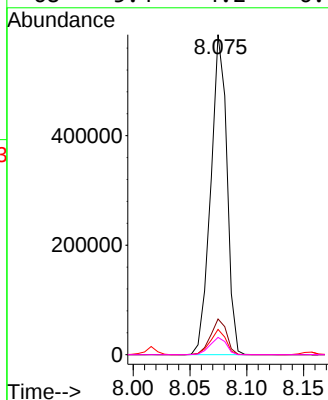
Tgt Ion:136 Resp: 57729  
Ion Ratio Lower Upper  
136 100  
137 11.1 8.4 12.6  
54 7.9 6.2 9.2  
68 5.4 4.2 6.4

Manual Integrations  
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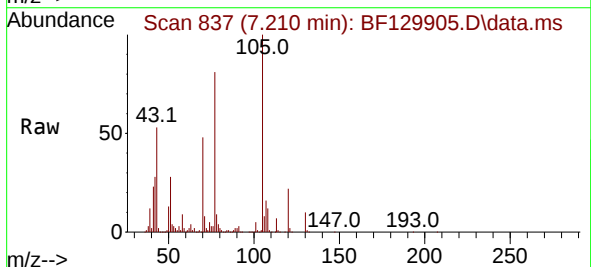
Reviewed By :Christian  
Giraldo

08/22/2022  
Supervised By :Jagrut  
Upadhyay

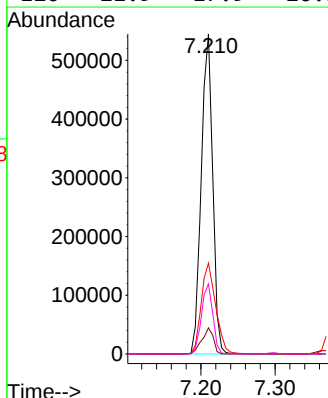
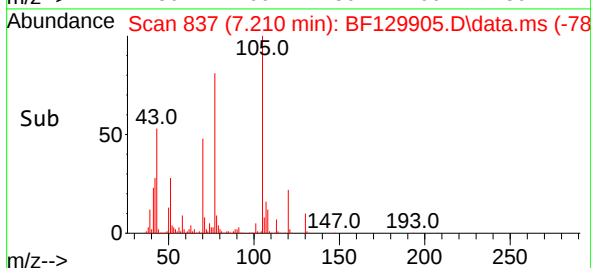
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#22  
Acetophenone  
Concen: 41.704 ng  
RT: 7.210 min Scan# 837  
Delta R.T. 0.000 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18



Tgt Ion:105 Resp: 586697  
Ion Ratio Lower Upper  
105 100  
71 8.2 6.6 9.8  
51 28.4 23.8 35.8  
120 21.9 17.9 26.9





#23

Nitrobenzene-d5

Concen: 77.821 ng

RT: 7.363 min Scan# 80

Delta R.T. -0.006 min

Lab File: BF129905.D

Acq: 19 Aug 2022 11:18

Instrument :

BNA\_F

ClientSampleId :

PB146848BS

Tgt Ion: 82 Resp: 839220

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 42.9  | 36.1  | 54.1  |
| 54  | 51.7  | 40.0  | 60.0  |

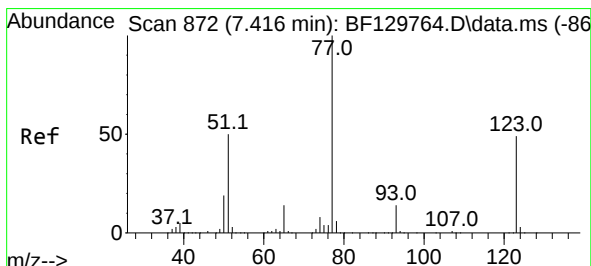
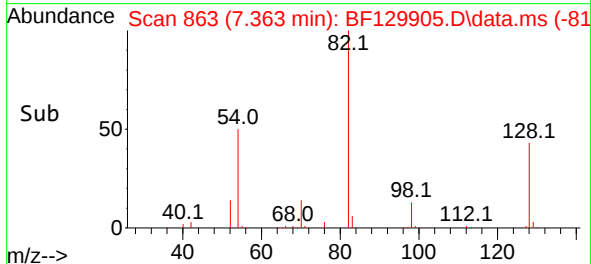
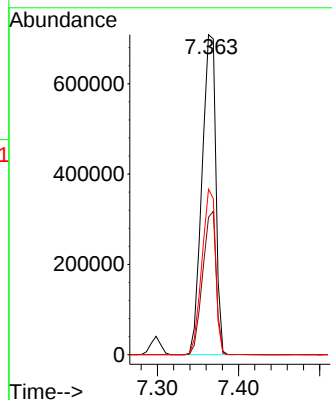
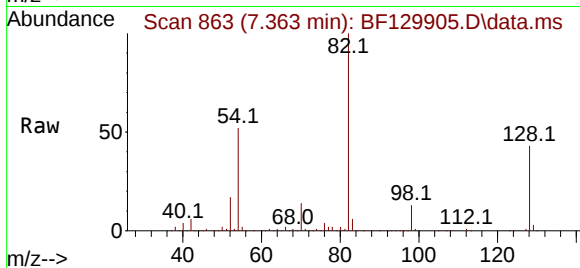
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Upadhyay

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#24

Nitrobenzene

Concen: 39.930 ng

RT: 7.381 min Scan# 866

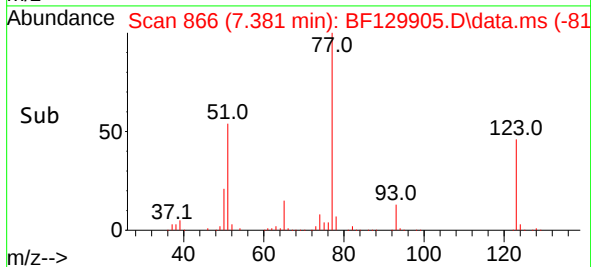
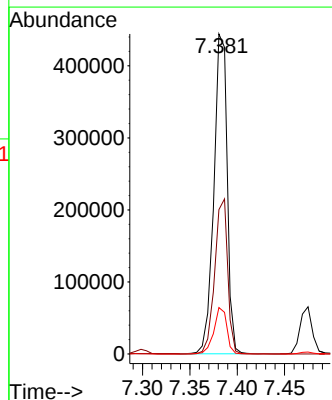
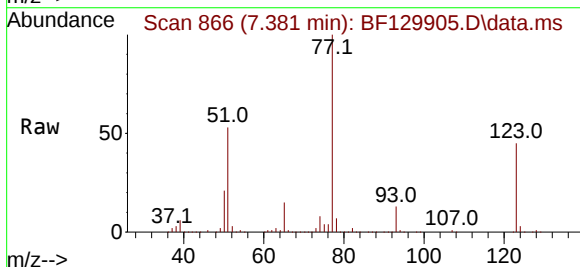
Delta R.T. -0.006 min

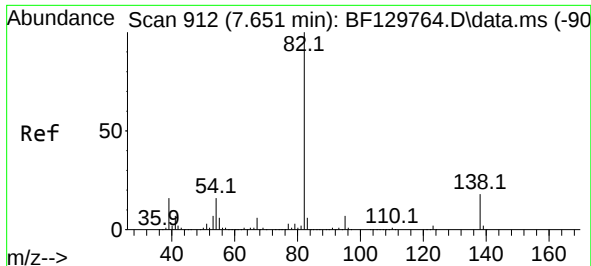
Lab File: BF129905.D

Acq: 19 Aug 2022 11:18

Tgt Ion: 77 Resp: 434209

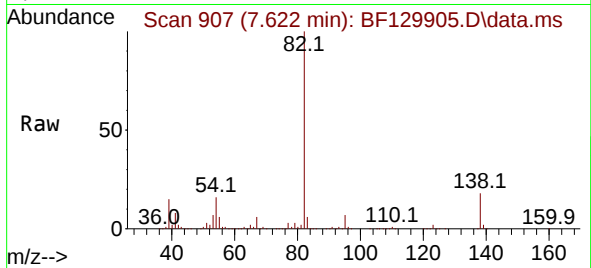
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 123 | 45.1  | 39.2  | 58.8  |
| 65  | 14.5  | 11.1  | 16.7  |





#25  
Isophorone  
Concen: 41.182 ng  
RT: 7.622 min Scan# 90  
Delta R.T. 0.000 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

Instrument :  
BNA\_F  
ClientSampleId :  
PB146848BS



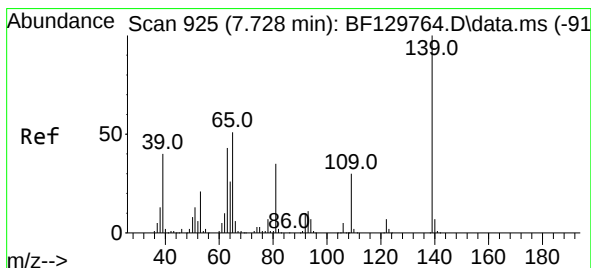
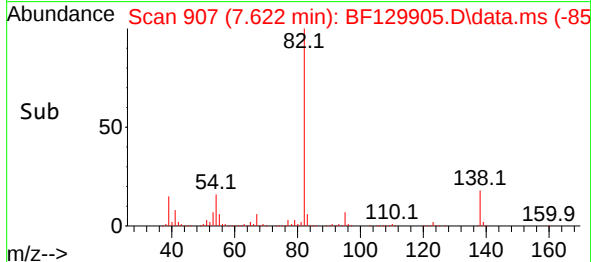
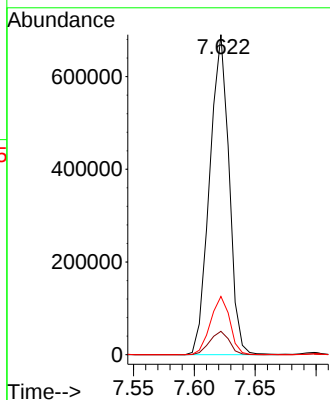
Tgt Ion: 82 Resp: 76438  
Ion Ratio Lower Upper  
82 100  
95 7.3 5.9 8.9  
138 18.2 14.6 21.8

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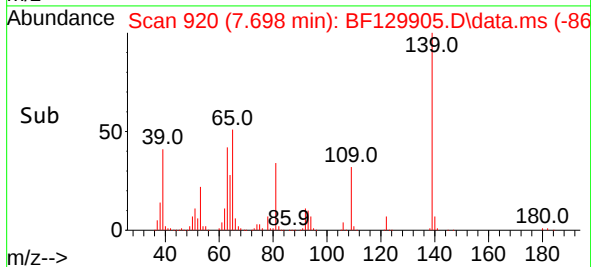
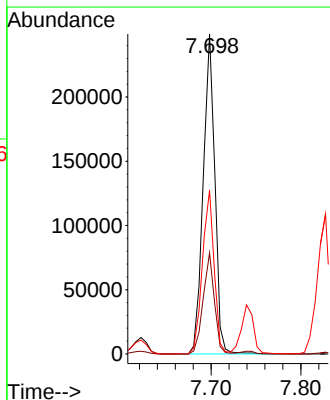
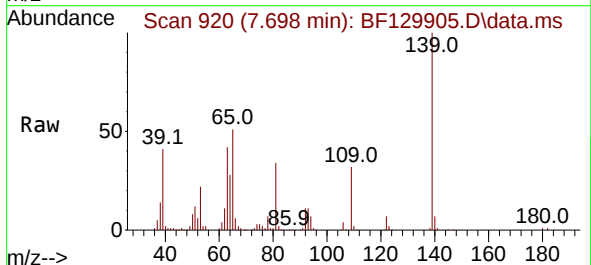
08/22/2022  
Supervised By :Jagrut  
Upadhyay

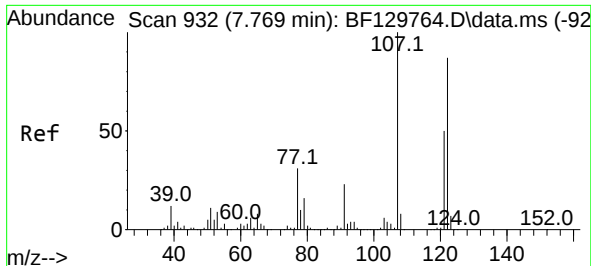
08/22/2022



#26  
2-Nitrophenol  
Concen: 41.965 ng  
RT: 7.698 min Scan# 920  
Delta R.T. 0.000 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

Tgt Ion:139 Resp: 224462  
Ion Ratio Lower Upper  
139 100  
109 31.5 24.4 36.6  
65 51.1 40.9 61.3





#27

2,4-Dimethylphenol

Concen: 45.083 ng

RT: 7.739 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF129905.D

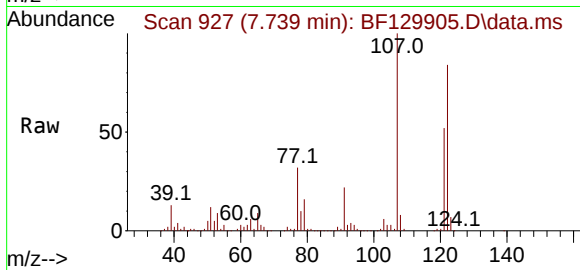
Acq: 19 Aug 2022 11:18

Instrument :

BNA\_F

ClientSampleId :

PB146848BS



| Tgt Ion: | 122   | Resp: | 34582 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 122      | 100   |       |       |
| 107      | 119.4 | 92.2  | 138.4 |
| 121      | 61.6  | 46.1  | 69.1  |

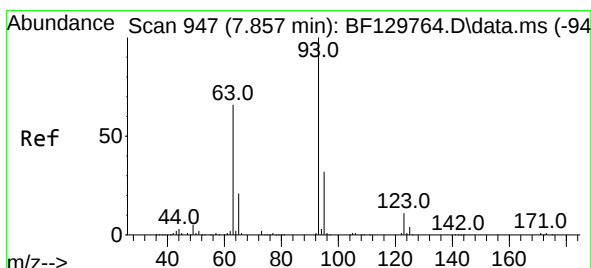
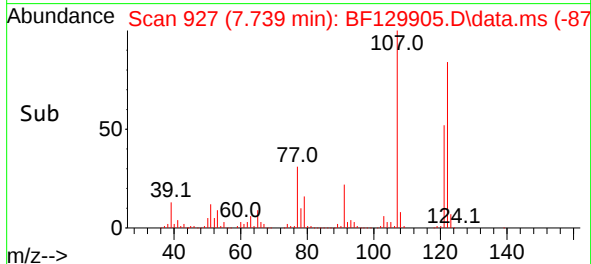
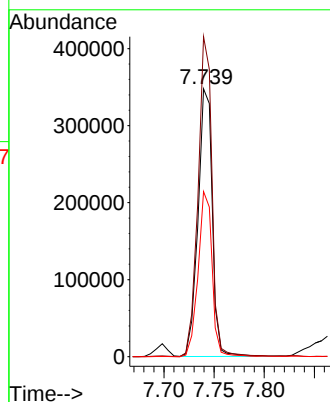
Manual Integrations  
APPROVED

Reviewed By :Christian  
Giraldo

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Supervised By :Jagrut  
Upadhyay

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#28

bis(2-Chloroethoxy)methane

Concen: 43.756 ng

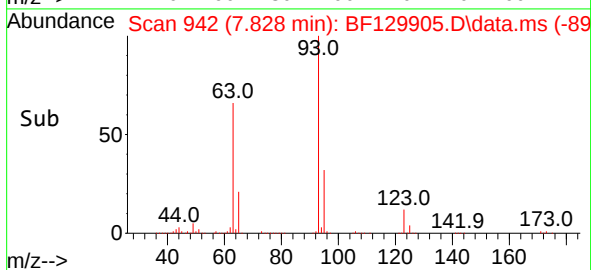
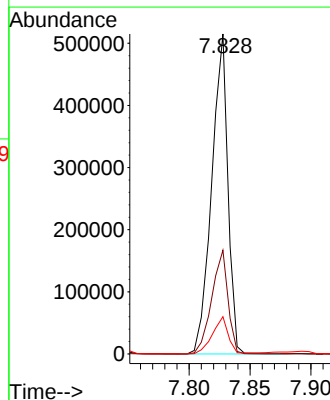
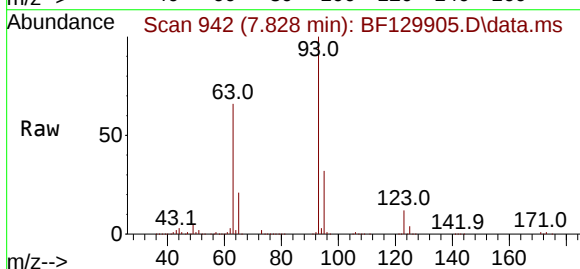
RT: 7.828 min Scan# 942

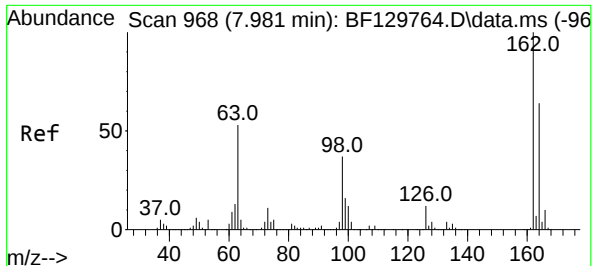
Delta R.T. 0.000 min

Lab File: BF129905.D

Acq: 19 Aug 2022 11:18

| Tgt Ion: | 93    | Resp: | 474196 |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 95       | 32.4  | 25.6  | 38.4   |
| 123      | 11.6  | 9.0   | 13.4   |





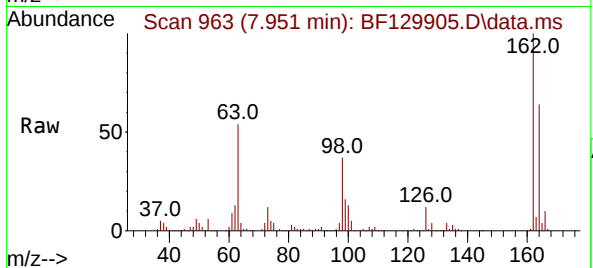
#29  
2,4-Dichlorophenol  
Concen: 40.021 ng  
RT: 7.951 min Scan# 90  
Delta R.T. 0.000 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

Instrument :

BNA\_F

ClientSampleId :

PB146848BS



Tgt Ion:162 Resp: 335692  
Ion Ratio Lower Upper  
162 100  
164 64.0 43.7 83.7  
98 36.6 16.5 56.5

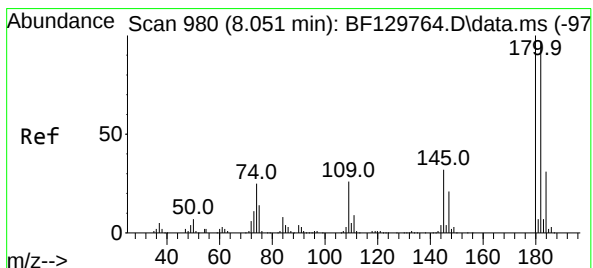
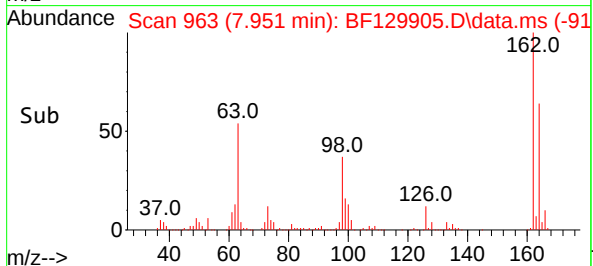
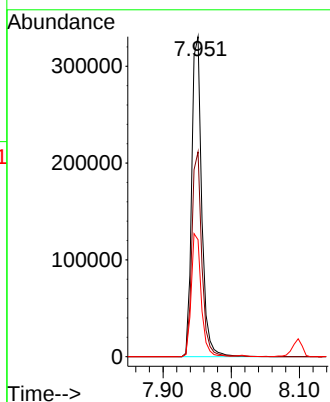
Manual Integrations  
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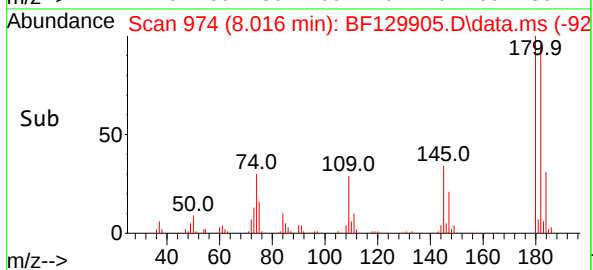
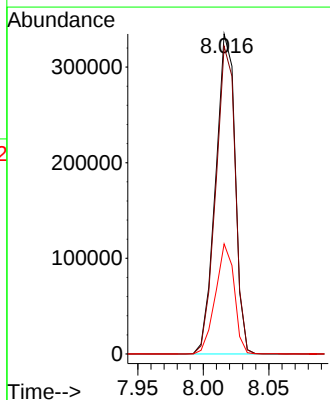
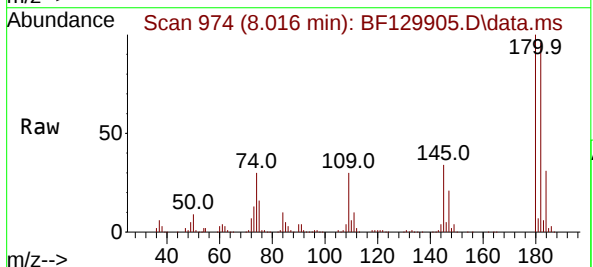
Supervised By :Jagrut  
Upadhyay

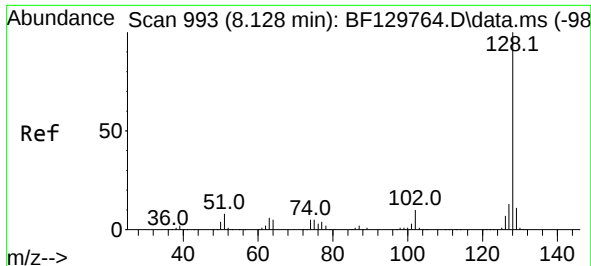
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#30  
1,2,4-Trichlorobenzene  
Concen: 39.118 ng  
RT: 8.016 min Scan# 974  
Delta R.T. -0.006 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

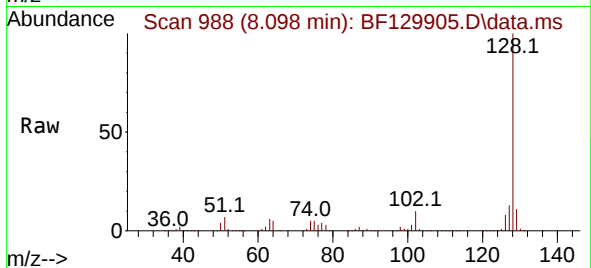
Tgt Ion:180 Resp: 346143  
Ion Ratio Lower Upper  
180 100  
182 96.2 77.6 116.4  
145 34.4 25.6 38.4





#31  
Naphthalene  
Concen: 38.950 ng  
RT: 8.098 min Scan# 915  
Delta R.T. 0.000 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

Instrument :  
BNA\_F  
ClientSampleId :  
PB146848BS



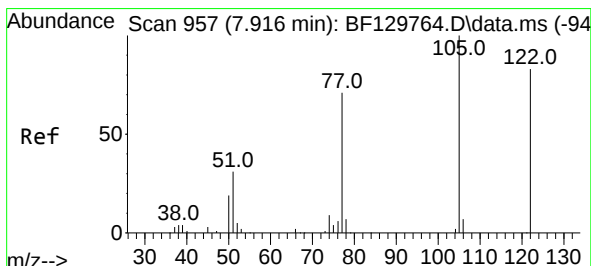
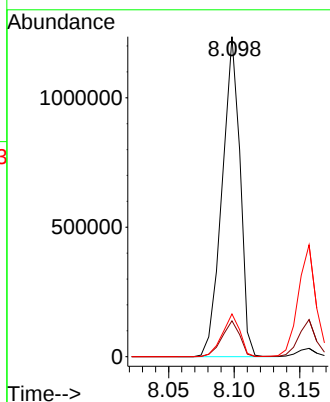
Tgt Ion:128 Resp: 117567  
Ion Ratio Lower Upper  
128 100  
129 11.2 8.9 13.3  
127 13.3 10.7 16.1

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Giraldo

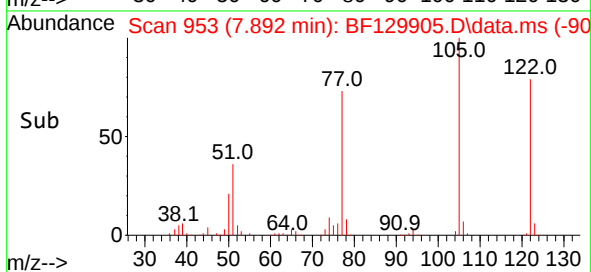
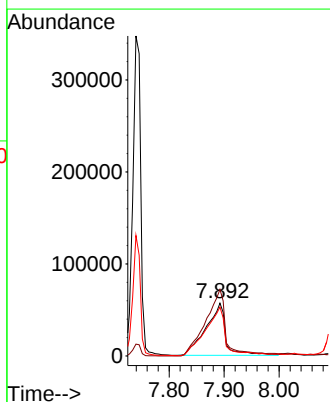
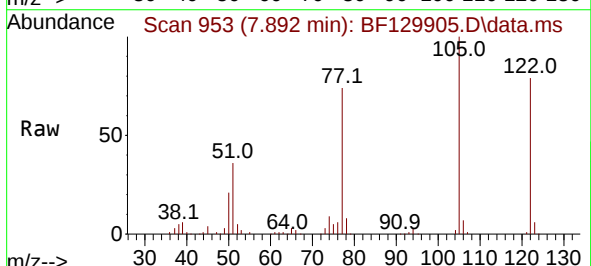
08/22/2022  
Supervised By :Jagrut  
Upadhyay

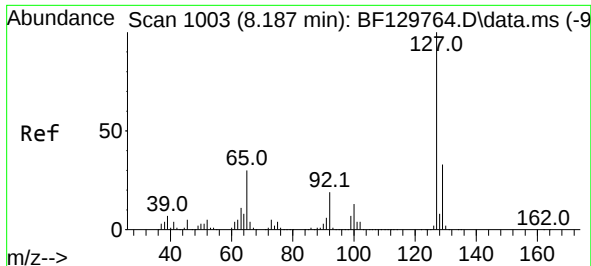
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#32  
Benzoic acid  
Concen: 43.035 ng  
RT: 7.892 min Scan# 953  
Delta R.T. 0.006 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

Tgt Ion:122 Resp: 142975  
Ion Ratio Lower Upper  
122 100  
105 126.1 99.9 139.9  
77 92.7 65.9 105.9





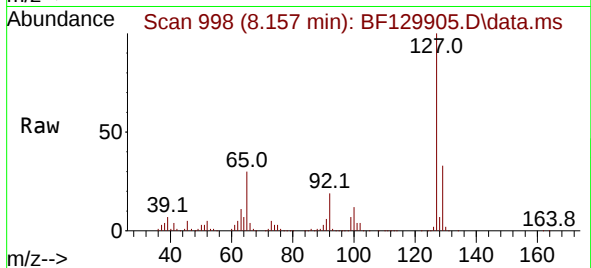
#33  
4-Chloroaniline  
Concen: 36.802 ng  
RT: 8.157 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

Instrument :

BNA\_F

ClientSampleId :

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Tgt Ion:127 Resp: 436830  
Ion Ratio Lower Upper  
127 100  
129 33.2 26.7 40.1  
65 29.8 24.2 36.2  
92 18.8 15.2 22.8

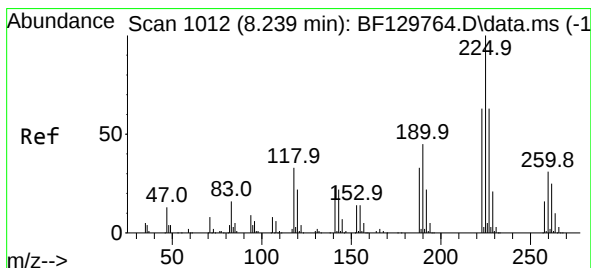
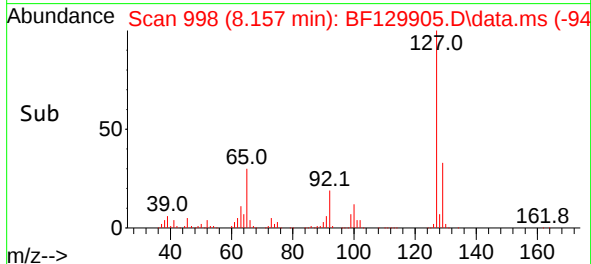
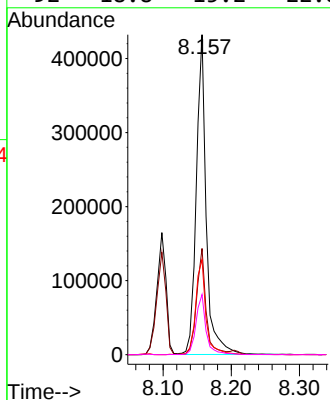
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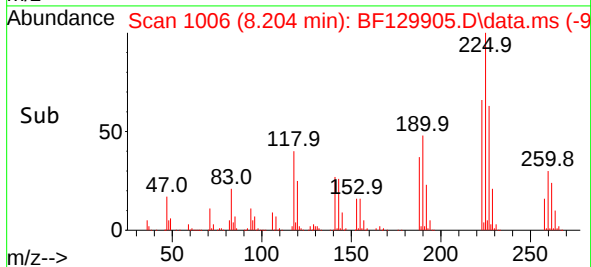
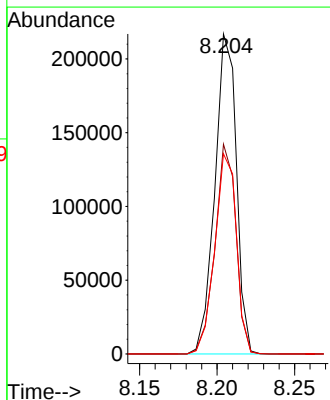
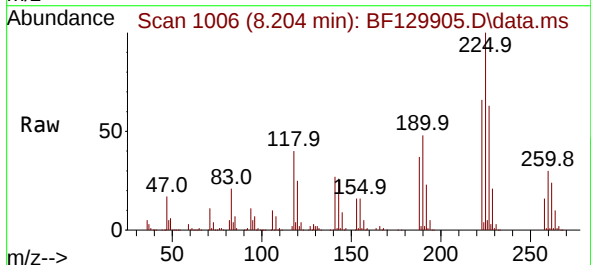
Supervised By :Jagrut  
Upadhyay

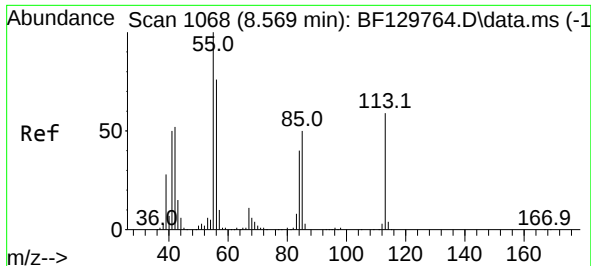
08/22/2022



#34  
Hexachlorobutadiene  
Concen: 38.913 ng  
RT: 8.204 min Scan# 1006  
Delta R.T. -0.006 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

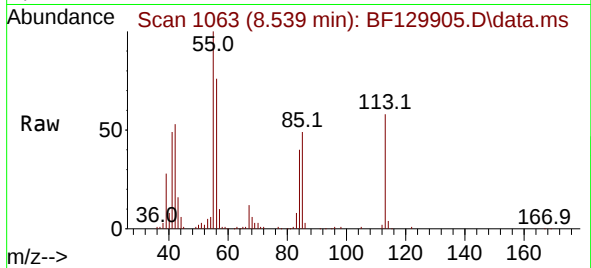
Tgt Ion:225 Resp: 209667  
Ion Ratio Lower Upper  
225 100  
223 65.5 50.2 75.2  
227 62.6 50.6 75.8





#35  
Caprolactam  
Concen: 40.072 ng m  
RT: 8.539 min Scan# 1063  
Delta R.T. 0.000 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

Instrument :  
BNA\_F  
ClientSampleId :  
PB146848BS



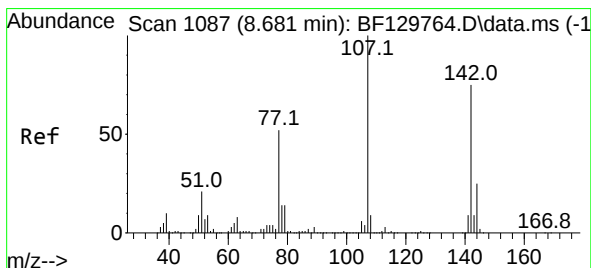
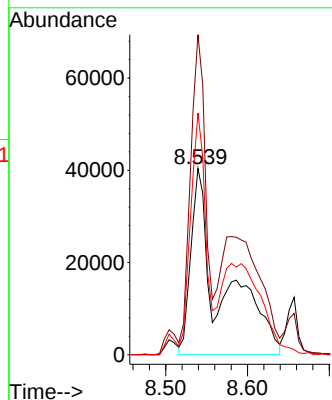
Tgt Ion:113 Resp: 10452  
Ion Ratio Lower Upper  
113 100  
55 171.8 148.8 188.8  
56 129.8 109.1 149.1

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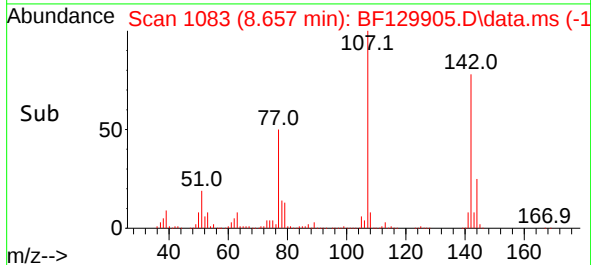
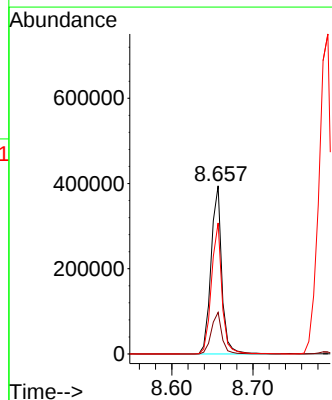
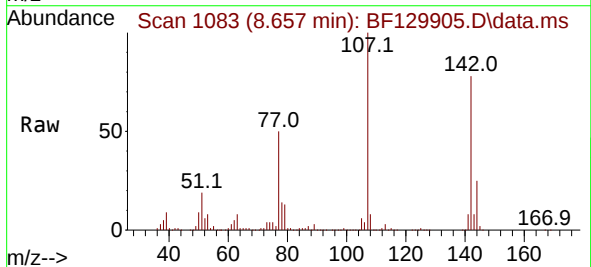
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Supervised By :Jagrut  
Upadhyay

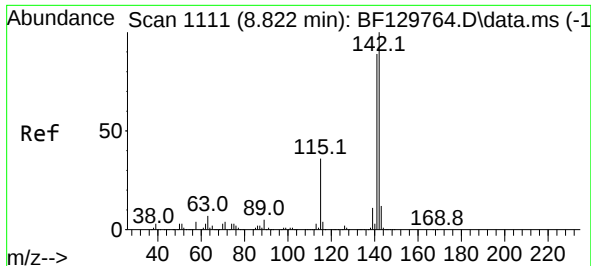
08/22/2022



#36  
4-Chloro-3-methylphenol  
Concen: 40.045 ng  
RT: 8.657 min Scan# 1083  
Delta R.T. 0.006 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

Tgt Ion:107 Resp: 362364  
Ion Ratio Lower Upper  
107 100  
144 24.7 19.9 29.9  
142 78.0 60.2 90.4





#37  
2-Methylnaphthalene  
Concen: 38.794 ng  
RT: 8.792 min Scan# 1106  
Delta R.T. 0.000 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

Instrument :  
BNA\_F  
ClientSampleId :  
PB146848BS

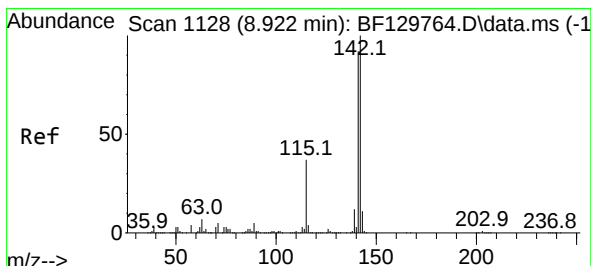
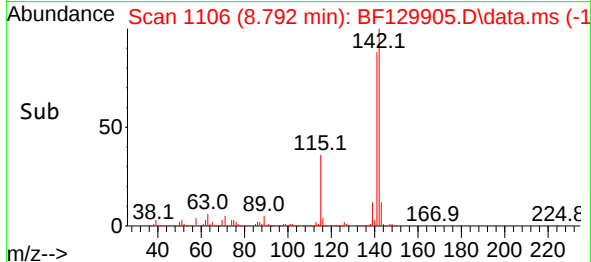
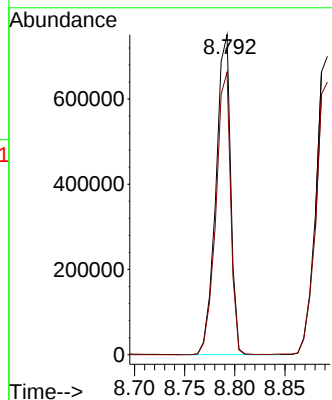
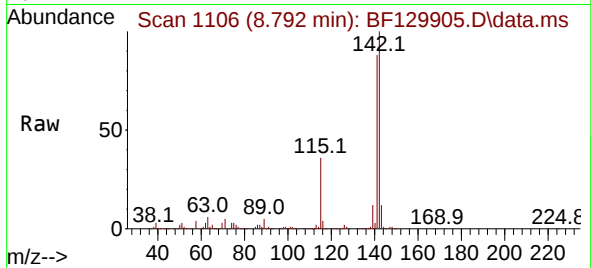
Tgt Ion:142 Resp: 76854  
Ion Ratio Lower Upper  
142 100  
141 88.3 70.9 106.3

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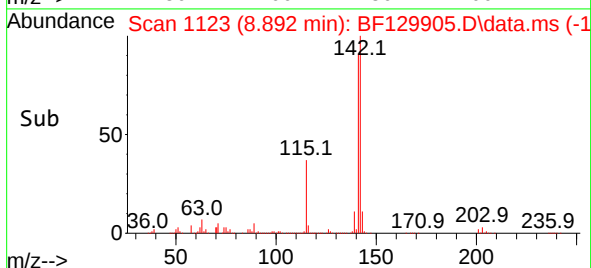
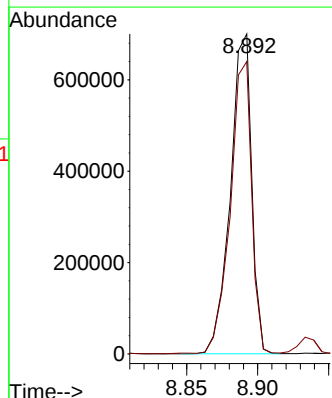
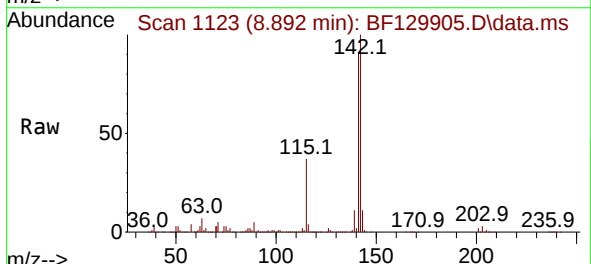
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Supervised By :Jagrut  
Upadhyay

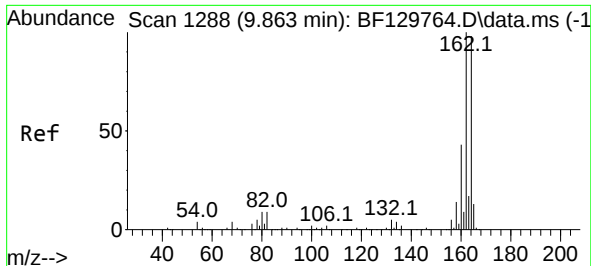
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#38  
1-Methylnaphthalene  
Concen: 37.970 ng  
RT: 8.892 min Scan# 1123  
Delta R.T. 0.000 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

Tgt Ion:142 Resp: 731045  
Ion Ratio Lower Upper  
142 100  
141 91.3 73.5 110.3





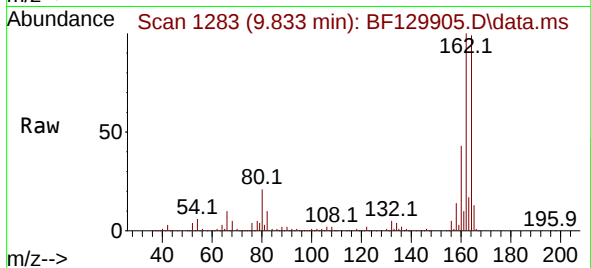
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.833 min Scan# 1133  
Delta R.T. 0.000 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

Instrument :

BNA\_F

ClientSampleId :

PB146848BS



Tgt Ion:164 Resp: 295399  
Ion Ratio Lower Upper  
164 100  
162 101.4 82.0 123.0  
160 43.1 35.4 53.0

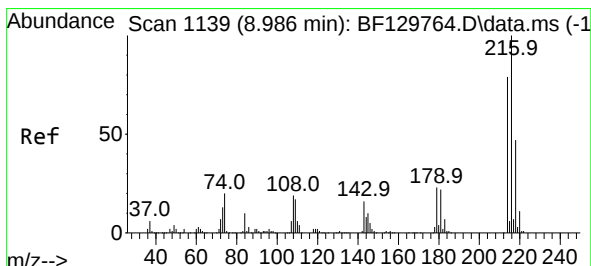
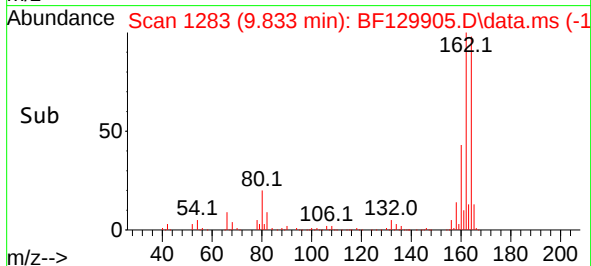
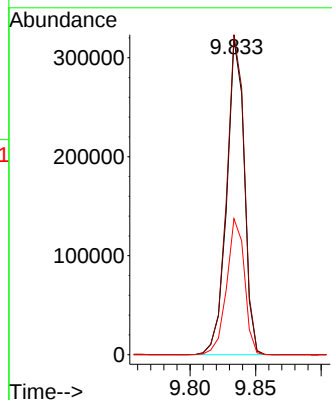
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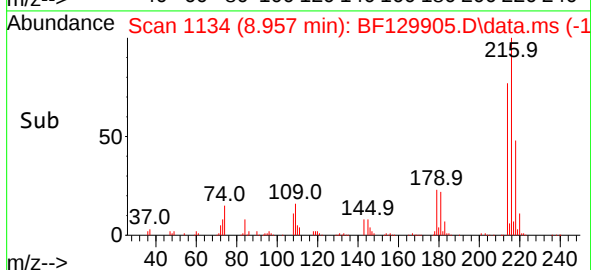
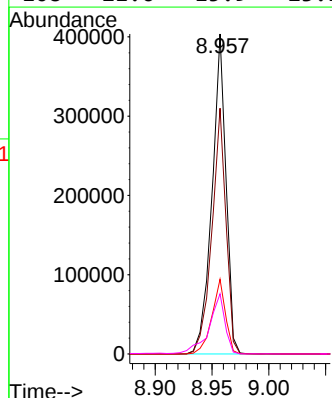
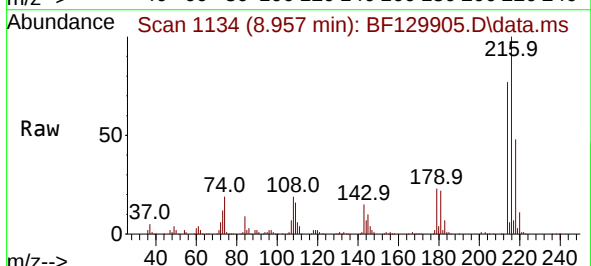
Supervised By :Jagrut  
Upadhyay

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#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 41.970 ng  
RT: 8.957 min Scan# 1134  
Delta R.T. 0.000 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

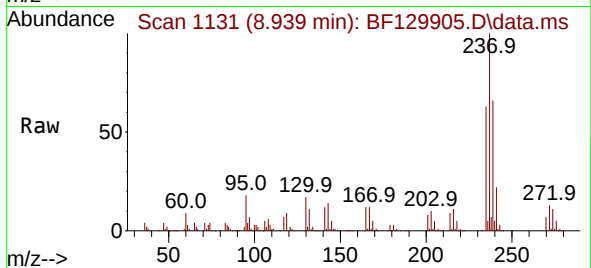
Tgt Ion:216 Resp: 344825  
Ion Ratio Lower Upper  
216 100  
214 77.3 63.1 94.7  
179 22.8 18.1 27.1  
108 21.6 15.9 23.9





#41  
Hexachlorocyclopentadiene  
Concen: 84.750 ng  
RT: 8.939 min Scan# 1136  
Delta R.T. 0.000 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

Instrument :  
BNA\_F  
ClientSampleId :  
PB146848BS



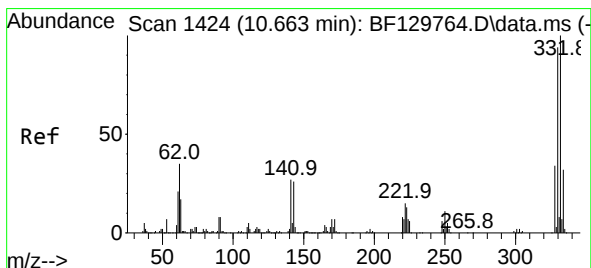
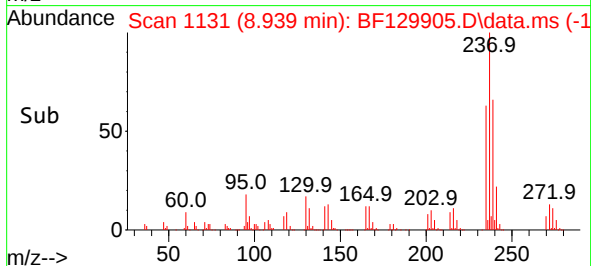
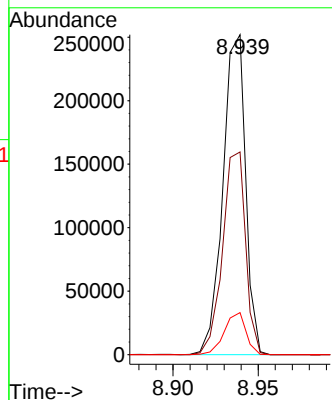
Tgt Ion:237 Resp: 233790  
Ion Ratio Lower Upper  
237 100  
235 63.4 41.5 81.5  
272 13.1 0.0 33.3

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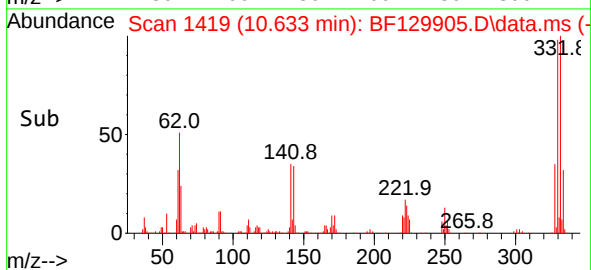
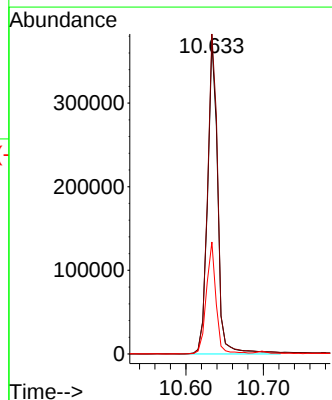
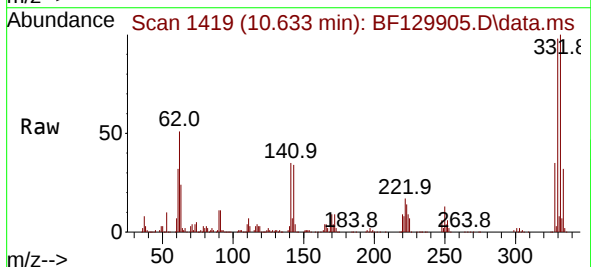
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Supervised By :Jagrut  
Upadhyay

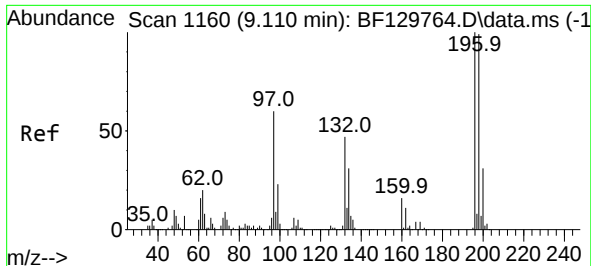
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#42  
2,4,6-Tribromophenol  
Concen: 115.349 ng  
RT: 10.633 min Scan# 1419  
Delta R.T. 0.006 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

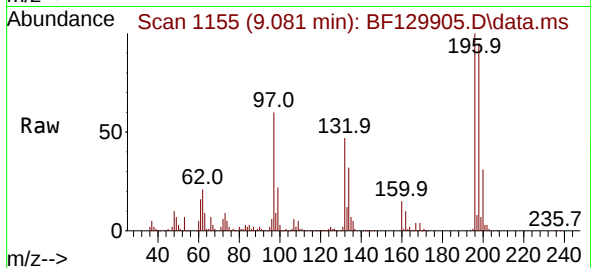
Tgt Ion:330 Resp: 341984  
Ion Ratio Lower Upper  
330 100  
332 103.9 82.6 124.0  
141 34.1 27.6 41.4





#43  
2,4,6-Trichlorophenol  
Concen: 38.703 ng  
RT: 9.081 min Scan# 1155  
Delta R.T. 0.000 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

Instrument :  
BNA\_F  
ClientSampleId :  
PB146848BS



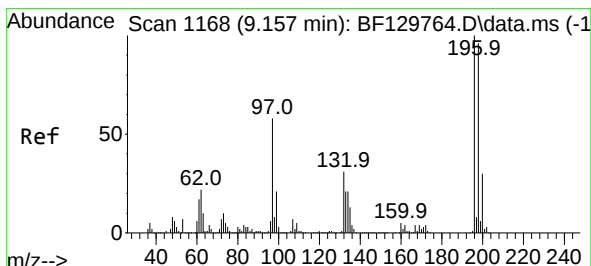
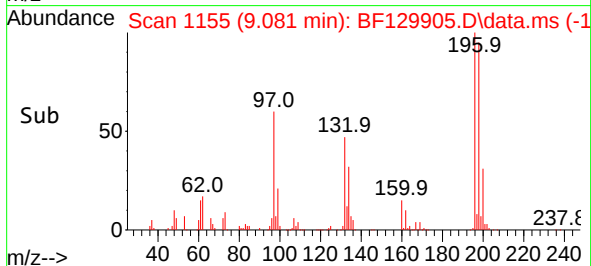
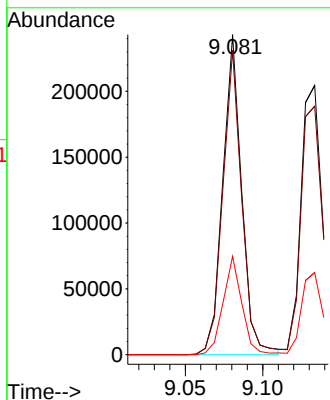
Tgt Ion:196 Resp: 20660  
Ion Ratio Lower Upper  
196 100  
198 95.1 79.0 118.4  
200 30.7 25.1 37.7

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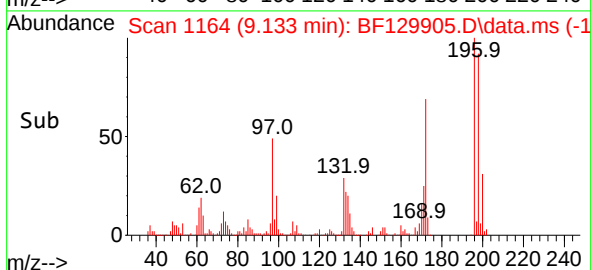
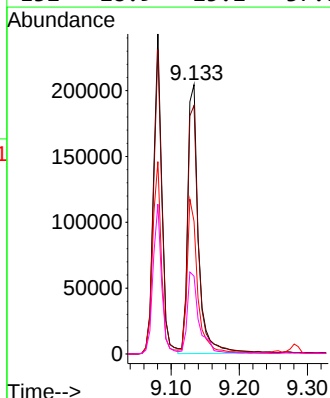
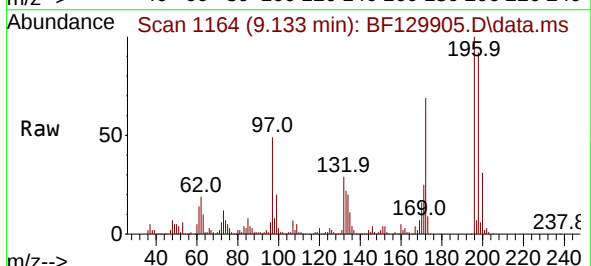
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Supervised By :Jagrut  
Upadhyay

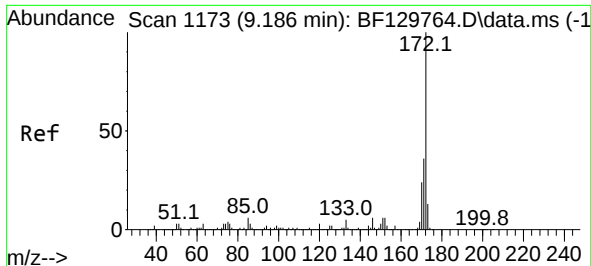
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#44  
2,4,5-Trichlorophenol  
Concen: 38.862 ng  
RT: 9.133 min Scan# 1164  
Delta R.T. 0.006 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

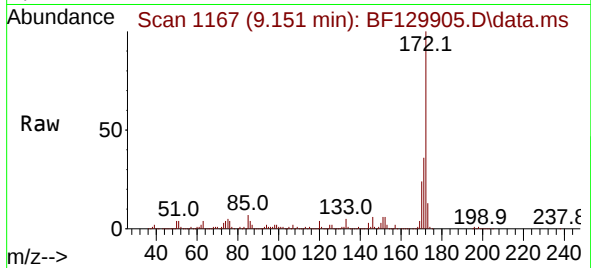
Tgt Ion:196 Resp: 223186  
Ion Ratio Lower Upper  
196 100  
198 92.3 76.4 114.6  
97 49.2 46.5 69.7  
132 28.9 25.2 37.8





#45  
2-Fluorobiphenyl  
Concen: 76.739 ng  
RT: 9.151 min Scan# 1167  
Delta R.T. 0.000 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

Instrument :  
BNA\_F  
ClientSampleId :  
PB146848BS



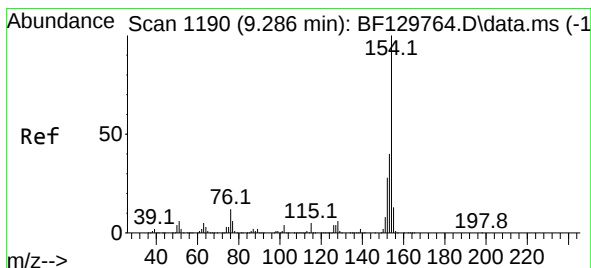
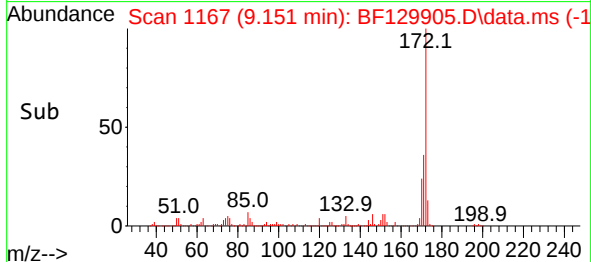
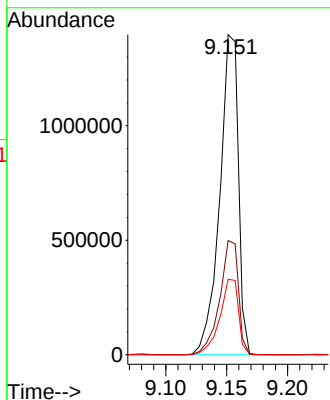
Tgt Ion:172 Resp: 1492529  
Ion Ratio Lower Upper  
172 100  
171 35.7 28.4 42.6  
170 23.5 19.1 28.7

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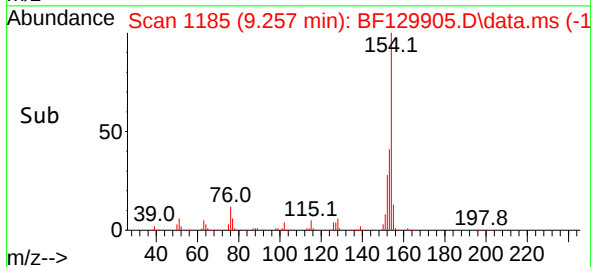
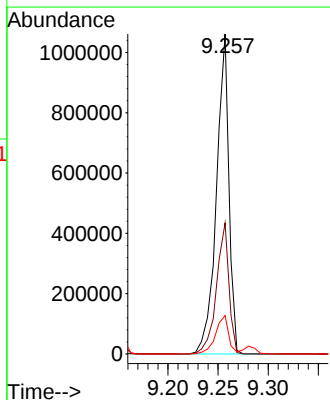
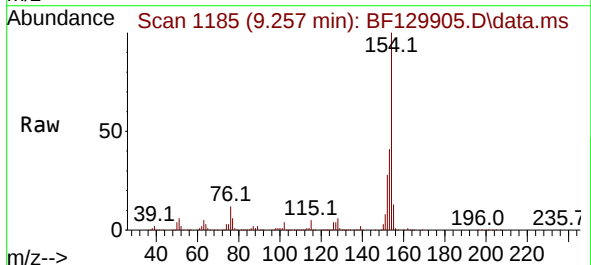
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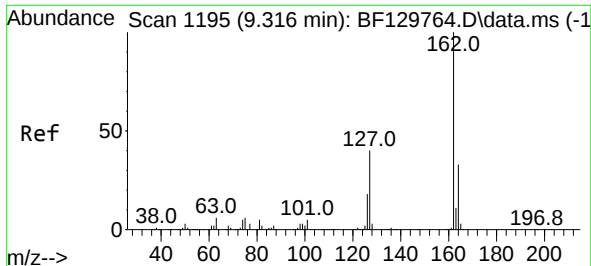
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#46  
1,1'-Biphenyl  
Concen: 40.913 ng  
RT: 9.257 min Scan# 1185  
Delta R.T. 0.000 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

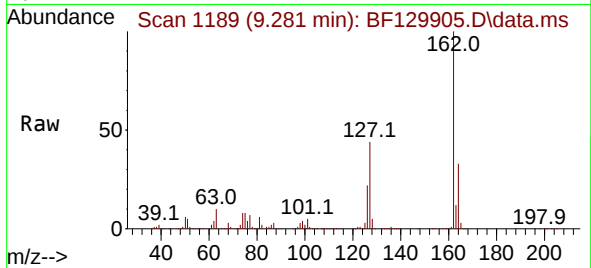
Tgt Ion:154 Resp: 918142  
Ion Ratio Lower Upper  
154 100  
153 41.0 20.2 60.2  
76 12.0 0.0 32.1





#47  
2-Chloronaphthalene  
Concen: 40.088 ng  
RT: 9.281 min Scan# 1195  
Delta R.T. 0.000 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

Instrument :  
BNA\_F  
ClientSampleId :  
PB146848BS



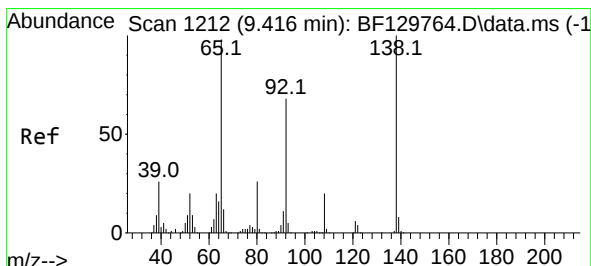
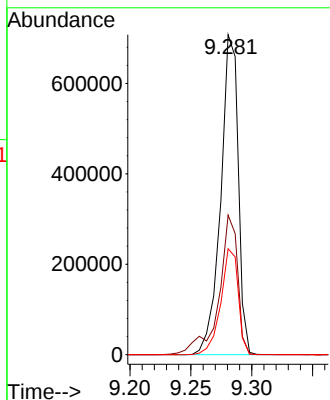
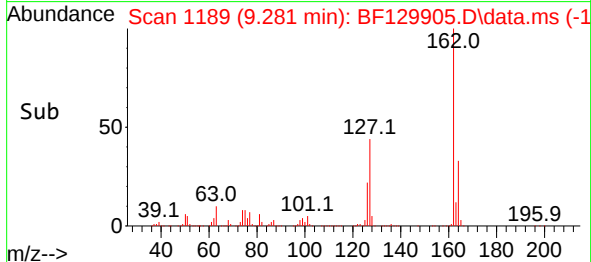
Tgt Ion:162 Resp: 711804  
Ion Ratio Lower Upper  
162 100  
127 43.6 33.1 49.7  
164 33.1 26.7 40.1

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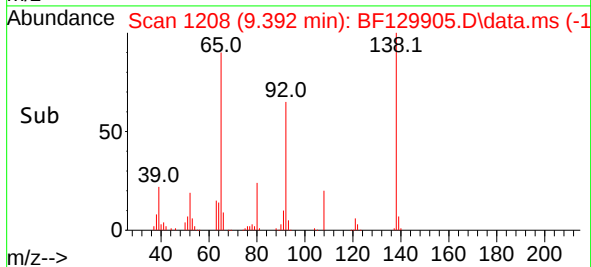
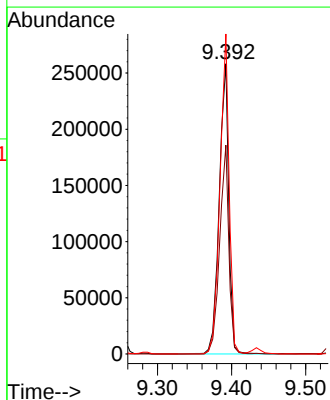
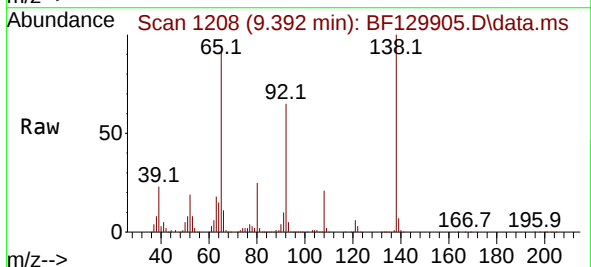
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Supervised By :Jagrut  
Upadhyay

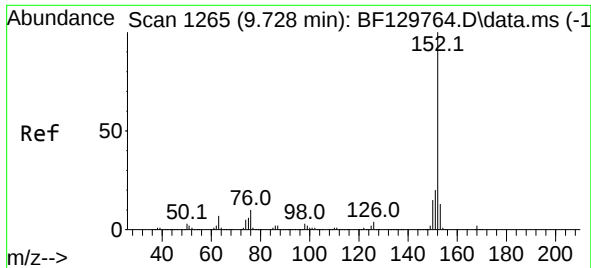
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#48  
2-Nitroaniline  
Concen: 41.164 ng  
RT: 9.392 min Scan# 1208  
Delta R.T. 0.006 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

Tgt Ion: 65 Resp: 230986  
Ion Ratio Lower Upper  
65 100  
92 71.9 55.0 82.4  
138 110.2 81.3 121.9





#49

Acenaphthylene

Concen: 39.416 ng

RT: 9.698 min Scan# 1260

Delta R.T. 0.000 min

Lab File: BF129905.D

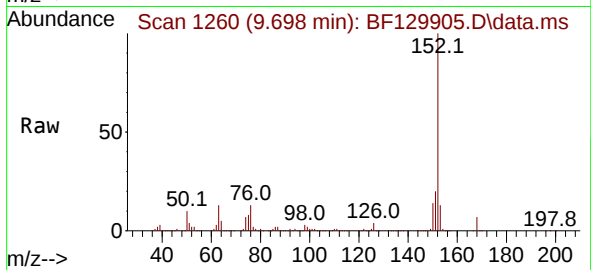
Acq: 19 Aug 2022 11:18

Instrument :

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Tgt Ion:152 Resp: 1061310

Ion Ratio Lower Upper

152 100

151 20.1 16.1 24.1

153 13.0 10.6 16.0

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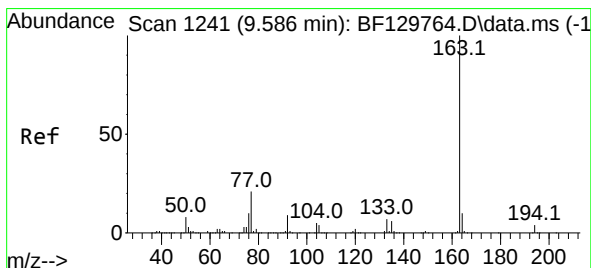
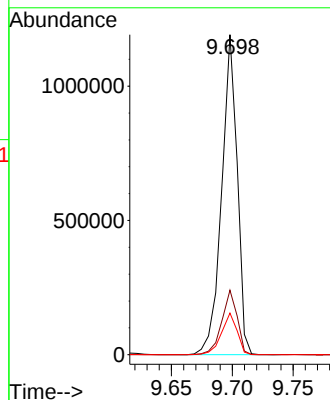
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#50

Dimethylphthalate

Concen: 38.339 ng

RT: 9.563 min Scan# 1237

Delta R.T. 0.006 min

Lab File: BF129905.D

Acq: 19 Aug 2022 11:18

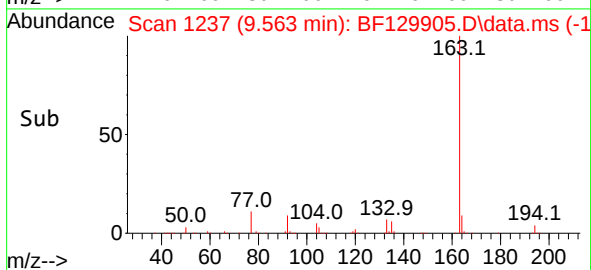
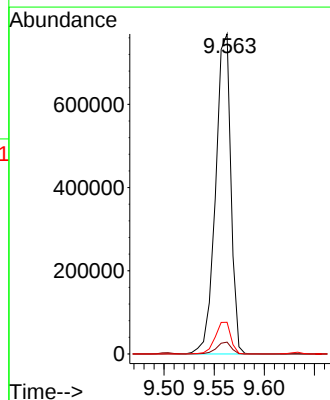
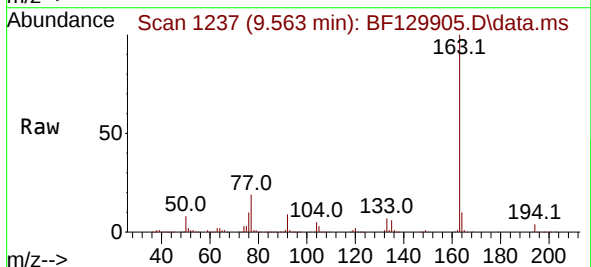
Tgt Ion:163 Resp: 811868

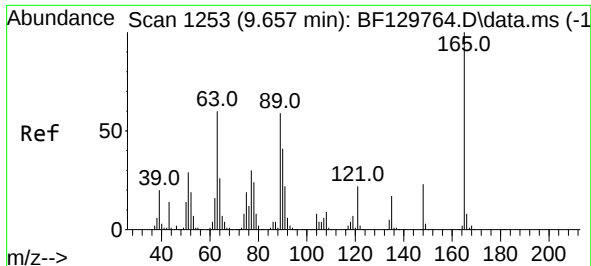
Ion Ratio Lower Upper

163 100

194 3.7 3.3 4.9

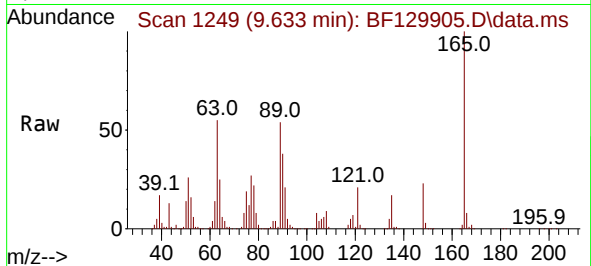
164 9.9 8.2 12.2





#51  
2,6-Dinitrotoluene  
Concen: 40.303 ng  
RT: 9.633 min Scan# 1249  
Delta R.T. 0.006 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

Instrument :  
BNA\_F  
ClientSampleId :  
PB146848BS



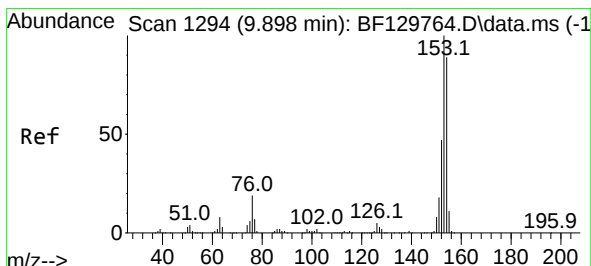
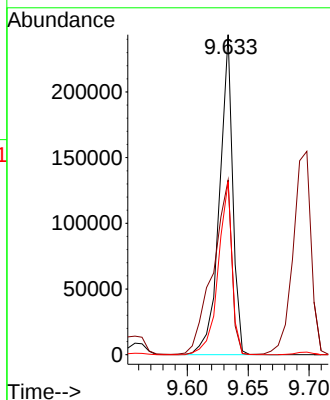
Tgt Ion:165 Resp: 185130  
Ion Ratio Lower Upper  
165 100  
63 54.5 47.8 71.8  
89 54.1 47.2 70.8

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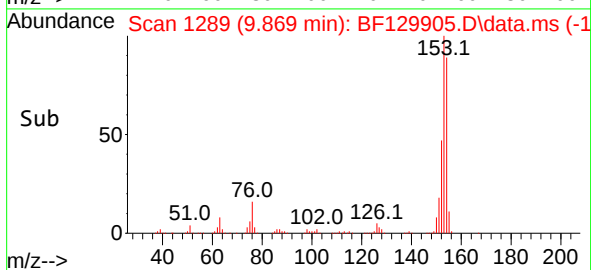
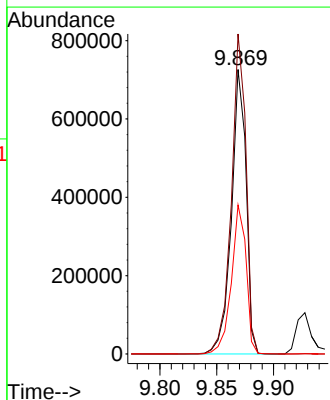
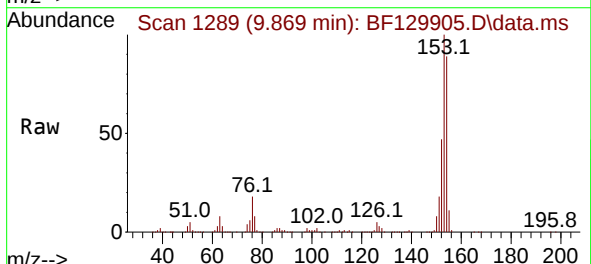
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Supervised By :Jagrut  
Upadhyay

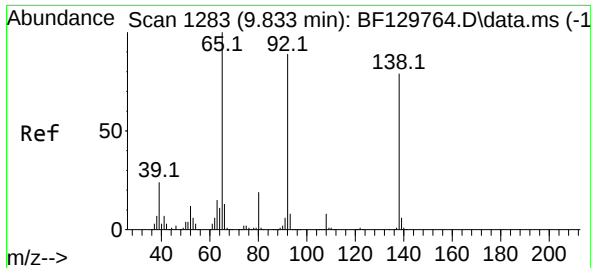
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#52  
Acenaphthene  
Concen: 39.741 ng  
RT: 9.869 min Scan# 1289  
Delta R.T. 0.000 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

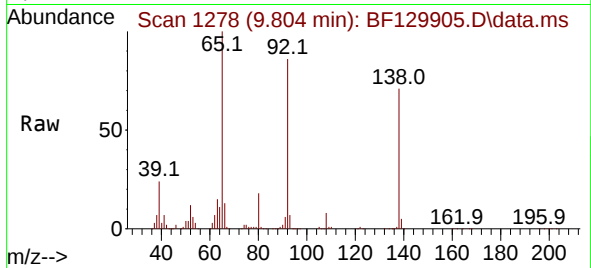
Tgt Ion:154 Resp: 649201  
Ion Ratio Lower Upper  
154 100  
153 112.5 89.8 134.6  
152 52.4 42.1 63.1





#53  
3-Nitroaniline  
Concen: 32.779 ng  
RT: 9.804 min Scan# 1278  
Delta R.T. 0.000 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

Instrument :  
BNA\_F  
ClientSampleId :  
PB146848BS



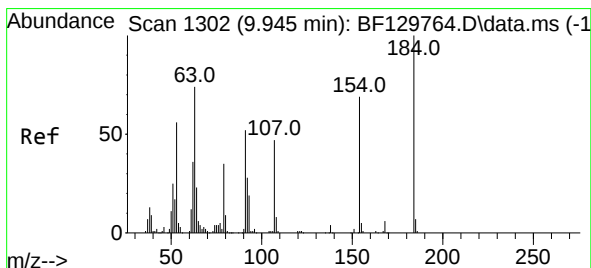
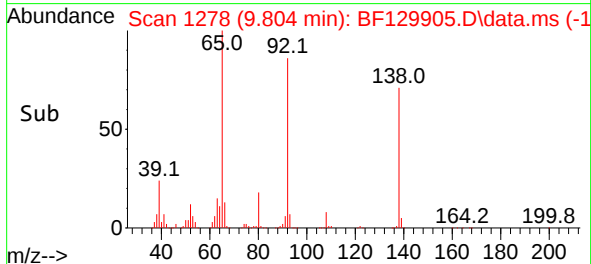
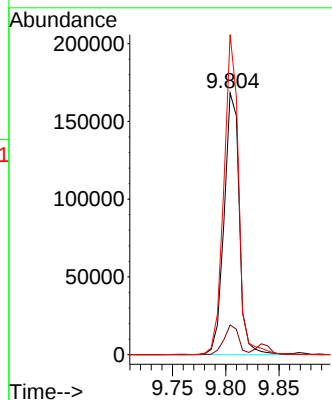
Tgt Ion:138 Resp: 166520  
Ion Ratio Lower Upper  
138 100  
108 11.3 8.4 12.6  
92 122.2 89.8 134.8

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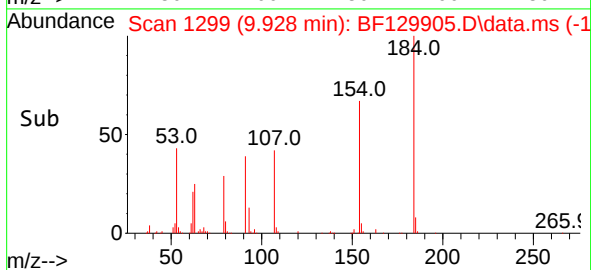
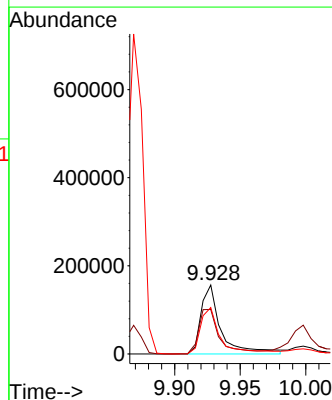
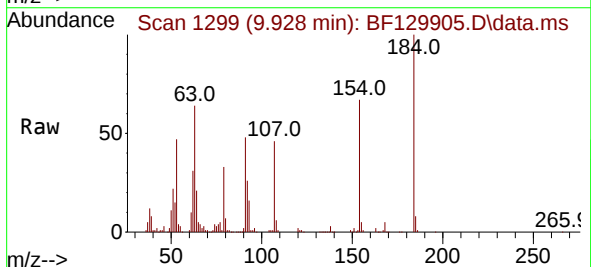
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Upadhyay

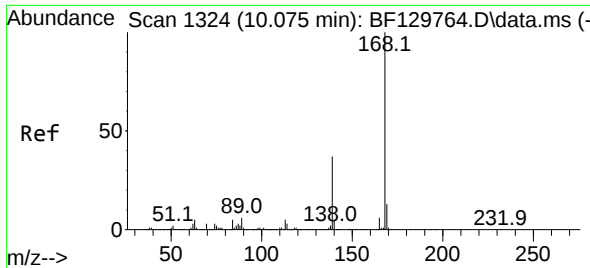
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#54  
2,4-Dinitrophenol  
Concen: 80.104 ng  
RT: 9.928 min Scan# 1299  
Delta R.T. 0.006 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

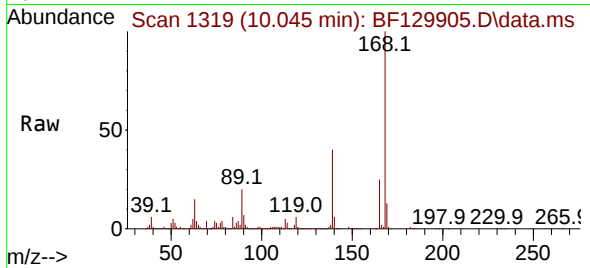
Tgt Ion:184 Resp: 166382  
Ion Ratio Lower Upper  
184 100  
63 64.5 59.6 89.4  
154 67.4 55.3 82.9





#55  
Dibenzenofuran  
Concen: 39.449 ng  
RT: 10.045 min Scan# 1319  
Delta R.T. 0.006 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

Instrument :  
BNA\_F  
ClientSampleId :  
PB146848BS



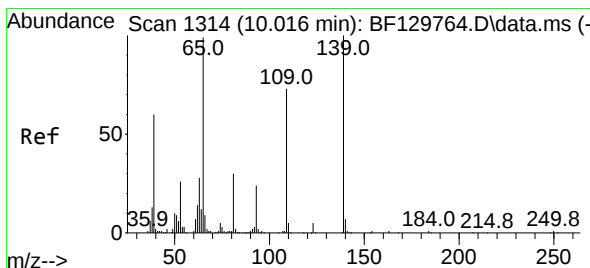
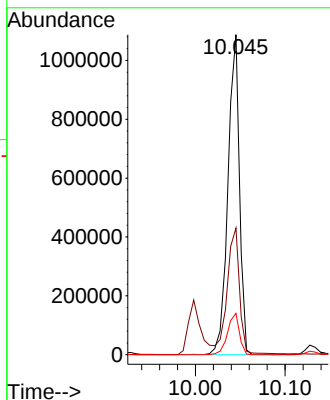
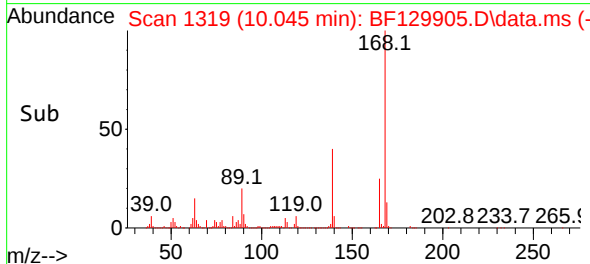
Tgt Ion:168 Resp: 96817  
Ion Ratio Lower Upper  
168 100  
139 39.6 31.3 46.9  
169 12.9 10.7 16.1

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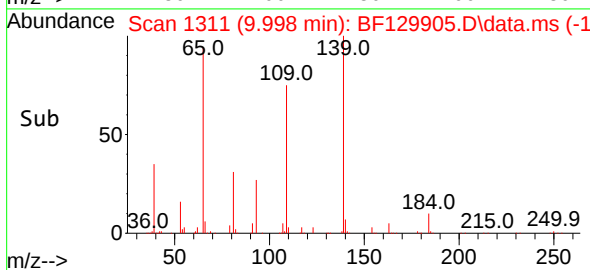
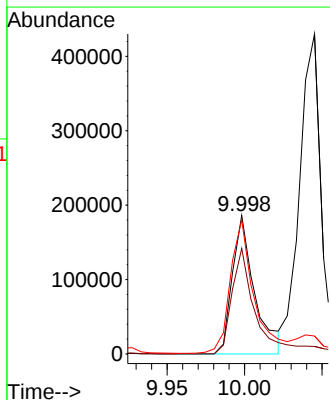
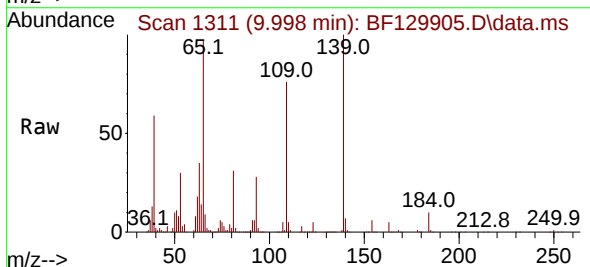
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Supervised By :Jagrut  
Upadhyay

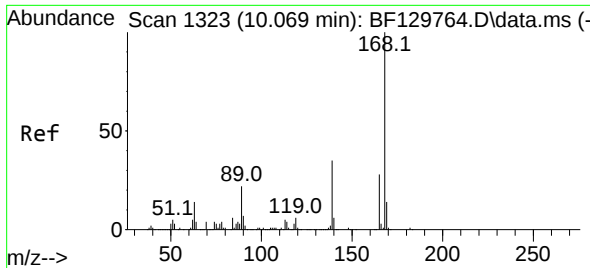
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#56  
4-Nitrophenol  
Concen: 82.251 ng  
RT: 9.998 min Scan# 1311  
Delta R.T. 0.006 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

Tgt Ion:139 Resp: 185887  
Ion Ratio Lower Upper  
139 100  
109 76.2 52.9 92.9  
65 96.9 79.5 119.5





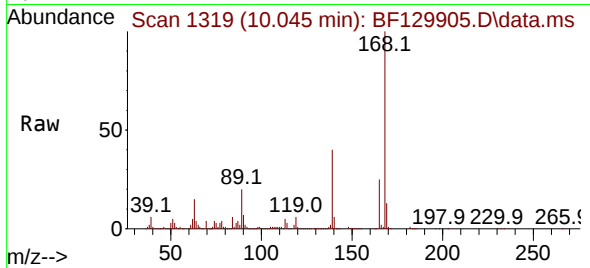
#57  
2,4-Dinitrotoluene  
Concen: 39.553 ng  
RT: 10.045 min Scan# 1319  
Delta R.T. 0.006 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

Instrument :

BNA\_F

ClientSampleId :

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Tgt Ion:165 Resp: 23586  
Ion Ratio Lower Upper  
165 100  
63 58.6 48.4 72.6  
89 79.0 62.3 93.5  
182 2.7 2.1 3.1

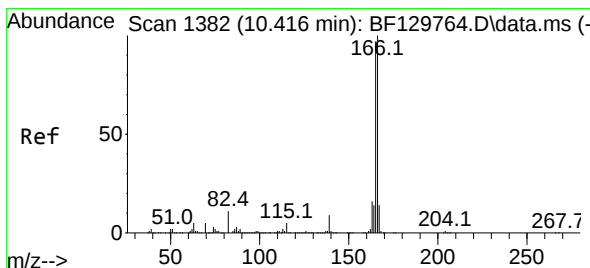
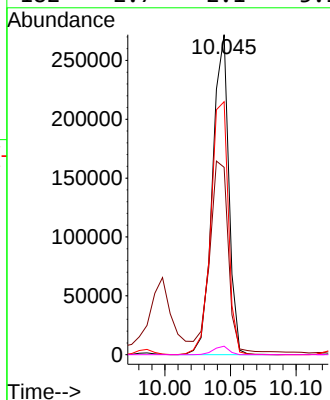
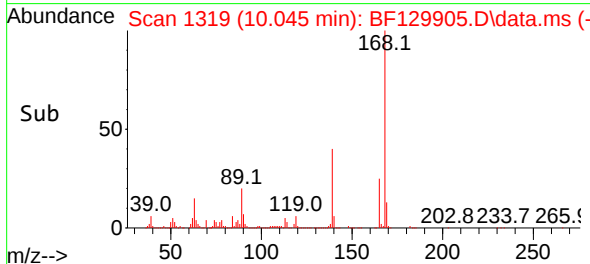
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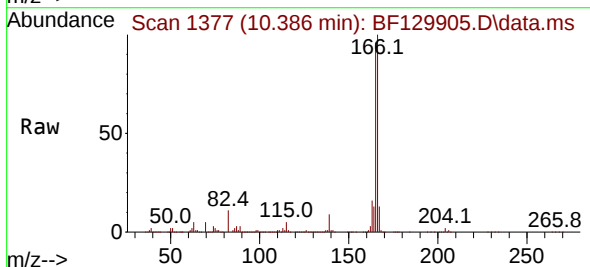
08/22/2022

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Upadhyay

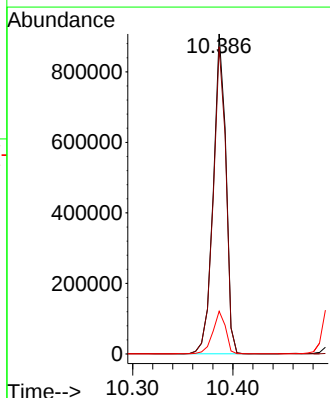
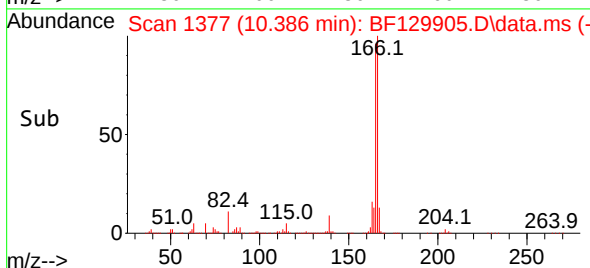
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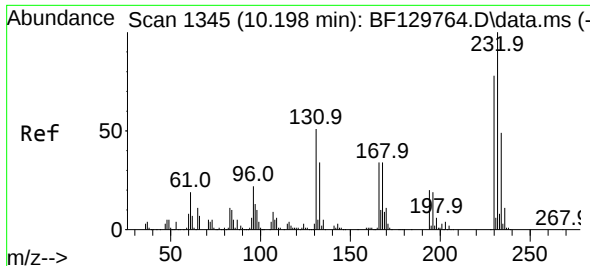


#58  
Fluorene  
Concen: 38.705 ng  
RT: 10.386 min Scan# 1377  
Delta R.T. 0.000 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18



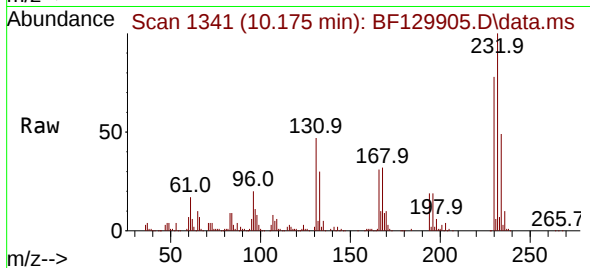
Tgt Ion:166 Resp: 793151  
Ion Ratio Lower Upper  
166 100  
165 96.0 77.9 116.9  
167 13.4 11.0 16.4





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 39.376 ng  
RT: 10.175 min Scan# 1341  
Delta R.T. 0.006 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

Instrument :  
BNA\_F  
ClientSampleId :  
PB146848BS



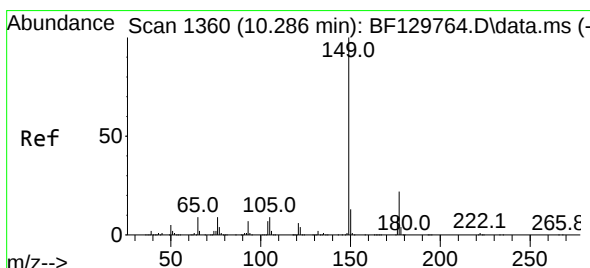
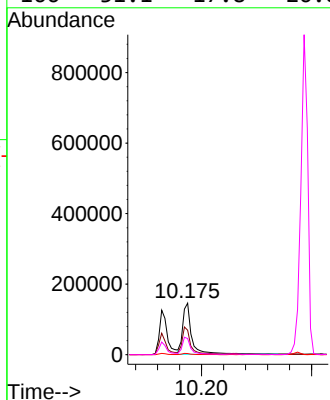
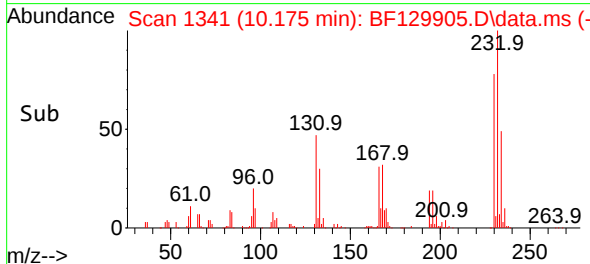
Tgt Ion:232 Resp: 165958  
Ion Ratio Lower Upper  
232 100  
131 50.5 29.9 44.9  
130 2.2 1.5 2.3  
166 31.1 17.8 26.8

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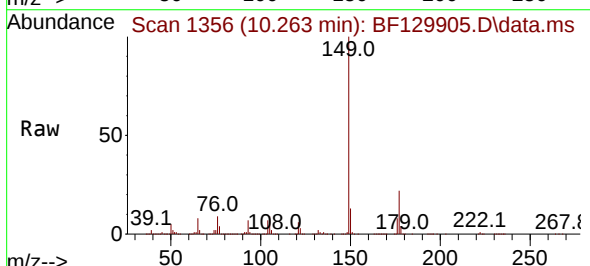
Reviewed By :Christian  
Giraldo

08/22/2022  
Supervised By :Jagrut  
Upadhyay

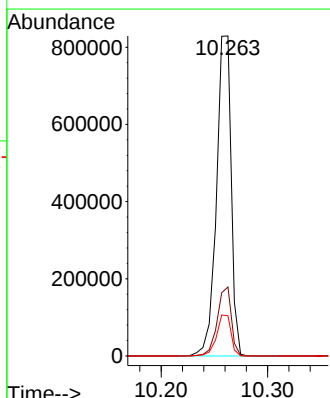
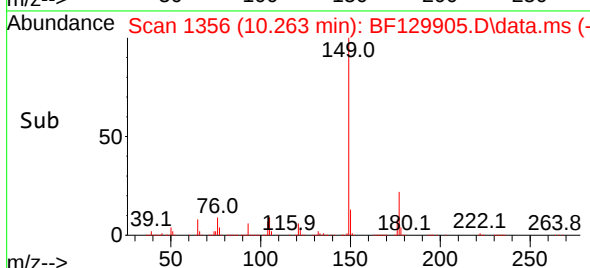
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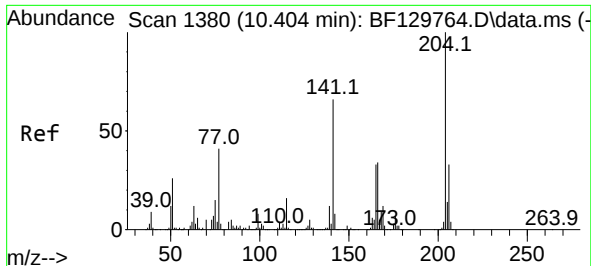


#60  
Diethylphthalate  
Concen: 37.667 ng  
RT: 10.263 min Scan# 1356  
Delta R.T. 0.006 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18



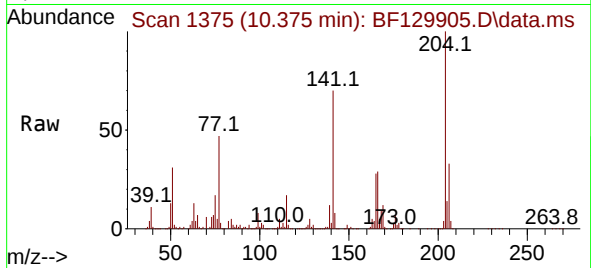
Tgt Ion:149 Resp: 795341  
Ion Ratio Lower Upper  
149 100  
177 21.5 17.7 26.5  
150 12.5 10.1 15.1





#61  
4-Chlorophenyl-phenylether  
Concen: 38.861 ng  
RT: 10.375 min Scan# 1375  
Delta R.T. 0.000 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

Instrument :  
BNA\_F  
ClientSampleId :  
PB146848BS



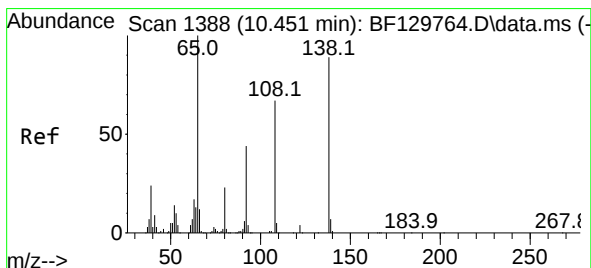
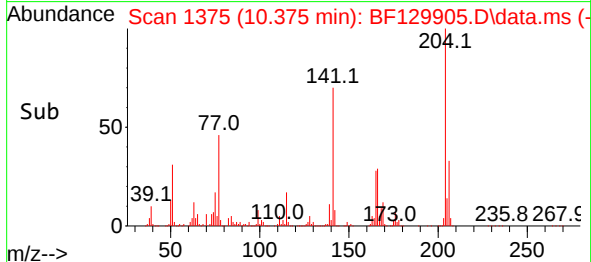
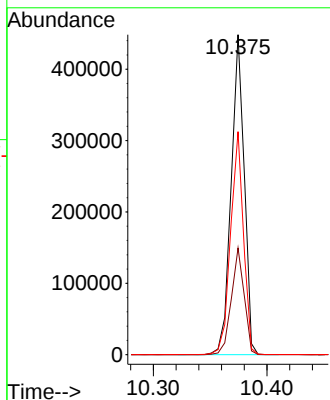
Tgt Ion:204 Resp: 357364  
Ion Ratio Lower Upper  
204 100  
206 33.4 26.5 39.7  
141 69.7 52.6 79.0

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Reviewed By :Christian  
Giraldo

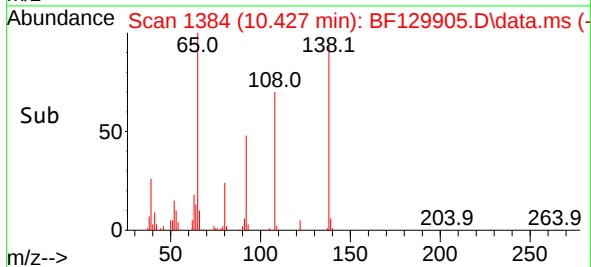
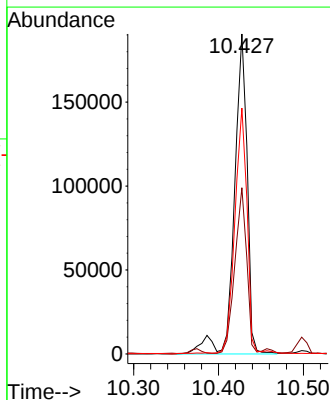
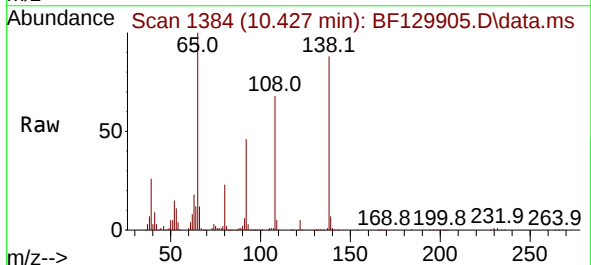
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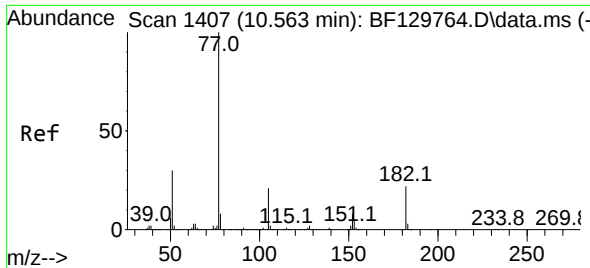
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#62  
4-Nitroaniline  
Concen: 39.312 ng m  
RT: 10.427 min Scan# 1384  
Delta R.T. 0.006 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

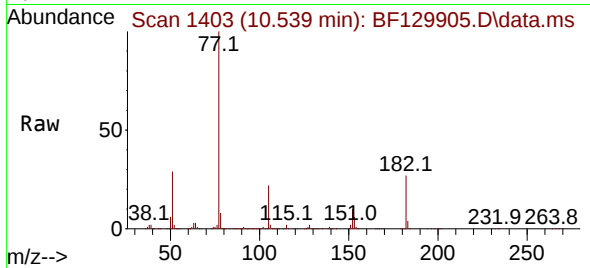
Tgt Ion:138 Resp: 201472  
Ion Ratio Lower Upper  
138 100  
92 52.0 30.3 70.3  
108 76.8 55.7 95.7





#63  
Azobenzene  
Concen: 38.421 ng  
RT: 10.539 min Scan# 1407  
Delta R.T. 0.006 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

Instrument :  
BNA\_F  
ClientSampleId :  
PB146848BS



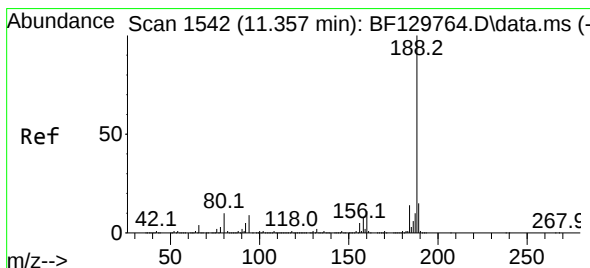
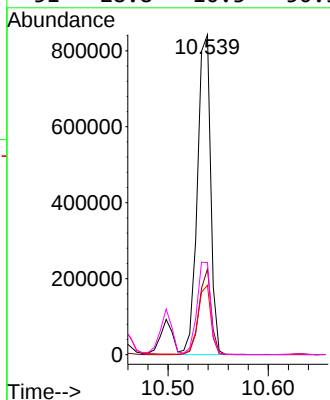
Tgt Ion: 77 Resp: 77544  
Ion Ratio Lower Upper  
77 100  
182 26.8 2.2 42.2  
105 21.7 0.8 40.8  
51 28.8 10.3 50.3

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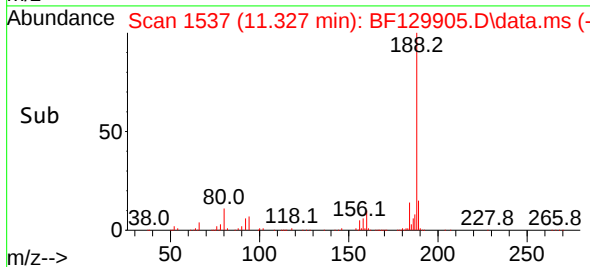
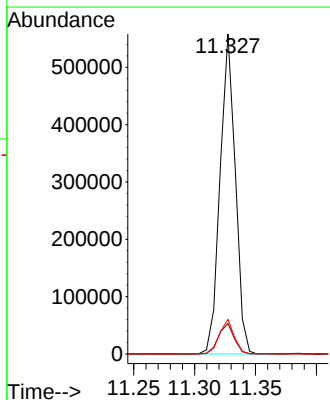
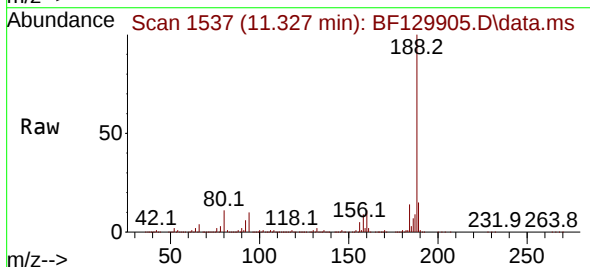
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#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.327 min Scan# 1537  
Delta R.T. 0.006 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

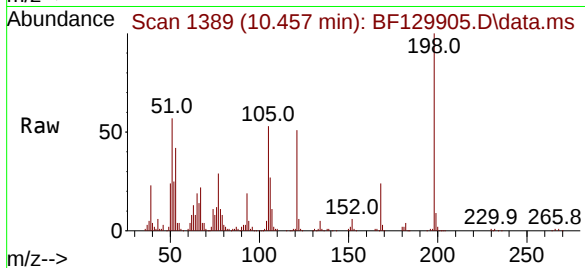
Tgt Ion:188 Resp: 487710  
Ion Ratio Lower Upper  
188 100  
94 9.5 7.4 11.2  
80 10.8 7.9 11.9





#65  
4,6-Dinitro-2-methylphenol  
Concen: 40.360 ng  
RT: 10.457 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

Instrument :  
BNA\_F  
ClientSampleId :  
PB146848BS



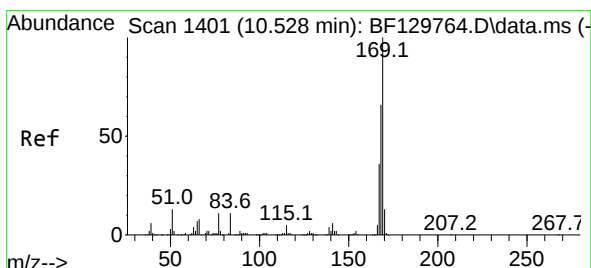
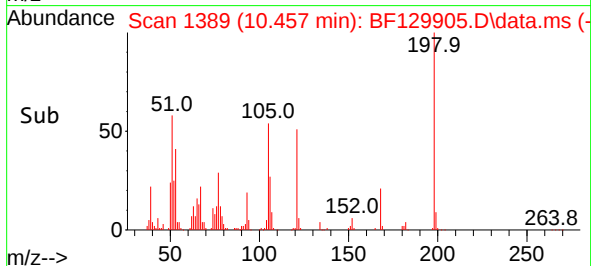
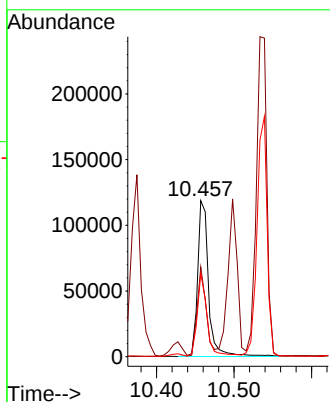
Tgt Ion:198 Resp: 115551  
Ion Ratio Lower Upper  
198 100  
51 57.4 29.4 69.4  
105 53.3 29.2 69.2

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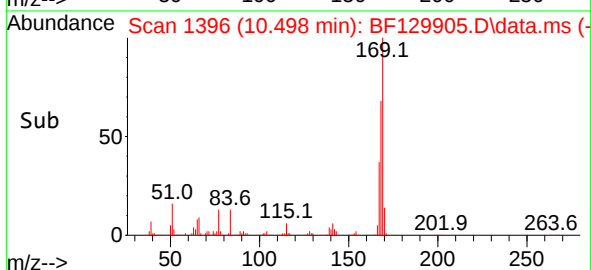
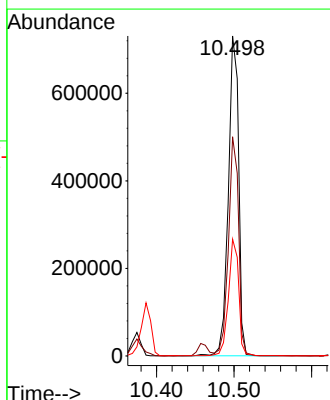
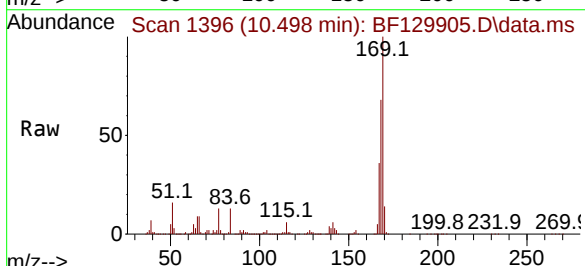
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Upadhyay

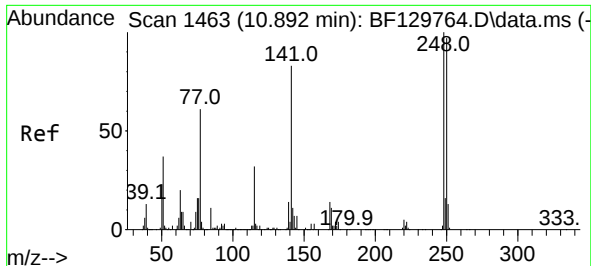
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#66  
n-Nitrosodiphenylamine  
Concen: 40.960 ng  
RT: 10.498 min Scan# 1396  
Delta R.T. 0.000 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

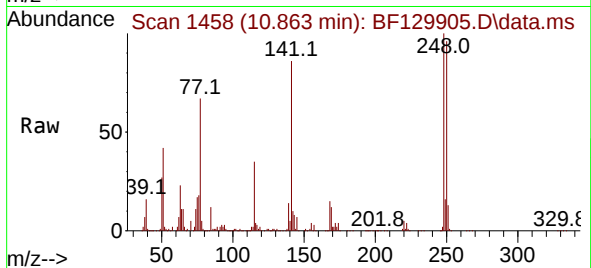
Tgt Ion:169 Resp: 674251  
Ion Ratio Lower Upper  
169 100  
168 68.5 53.4 80.2  
167 36.5 29.1 43.7





#67  
4-Bromophenyl-phenylether  
Concen: 40.061 ng  
RT: 10.863 min Scan# 1458  
Delta R.T. 0.000 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

Instrument :  
BNA\_F  
ClientSampleId :  
PB146848BS



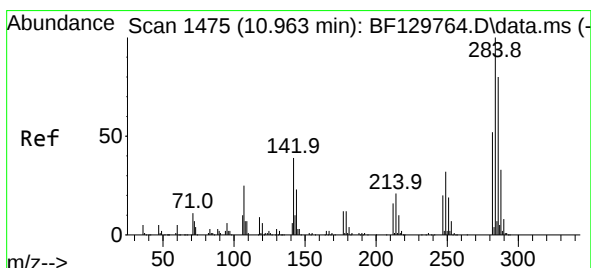
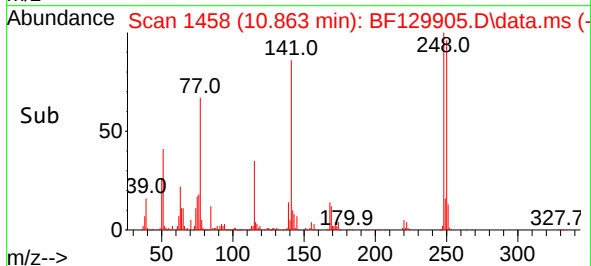
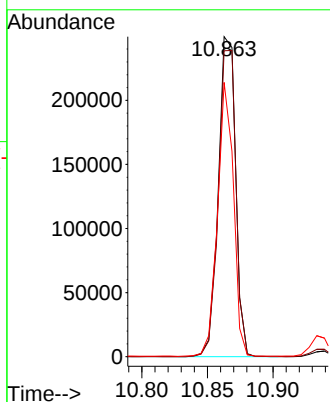
Tgt Ion:248 Resp: 22884  
Ion Ratio Lower Upper  
248 100  
250 95.6 77.8 116.6  
141 85.7 66.2 99.2

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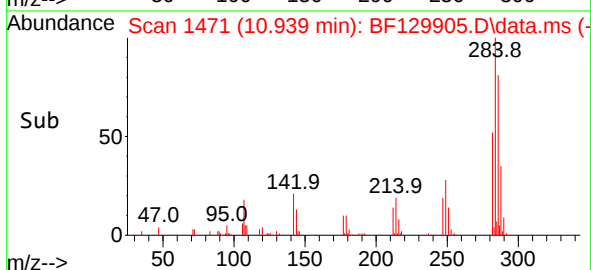
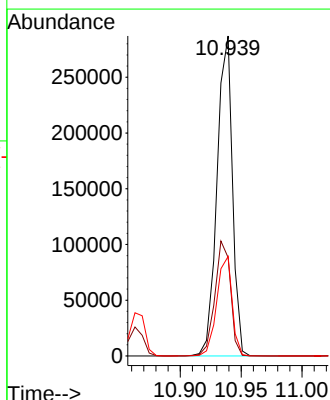
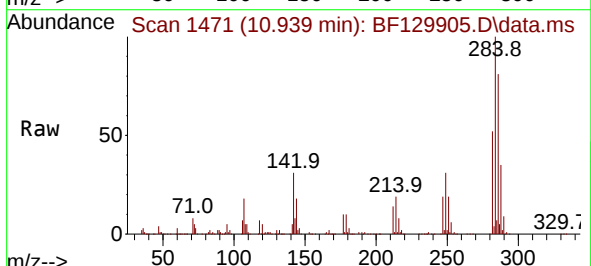
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Supervised By :Jagrut  
Upadhyay

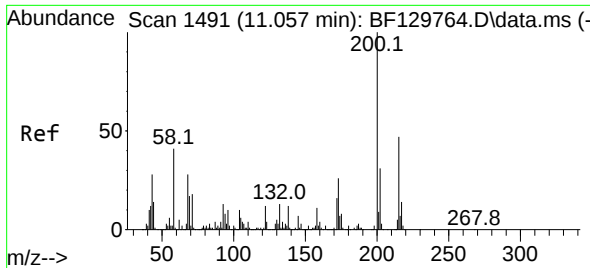
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#68  
Hexachlorobenzene  
Concen: 40.920 ng  
RT: 10.939 min Scan# 1471  
Delta R.T. 0.006 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

Tgt Ion:284 Resp: 253206  
Ion Ratio Lower Upper  
284 100  
142 30.7 31.4 47.0#  
249 31.1 25.7 38.5





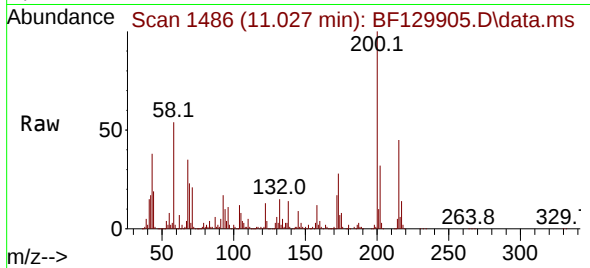
#69  
 Atrazine  
 Concen: 43.360 ng  
 RT: 11.027 min Scan# 1491  
 Delta R.T. 0.000 min  
 Lab File: BF129905.D  
 Acq: 19 Aug 2022 11:18

Instrument :

BNA\_F

ClientSampleId :

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Tgt Ion:200 Resp: 219070  
 Ion Ratio Lower Upper  
 200 100  
 173 27.8 6.4 46.4  
 215 44.9 27.1 67.1

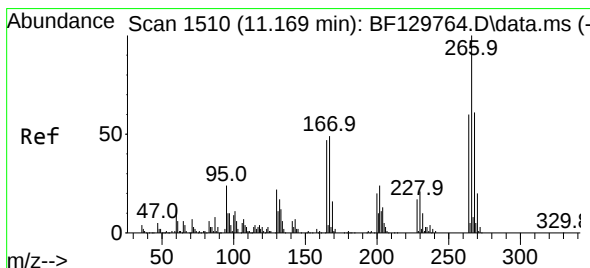
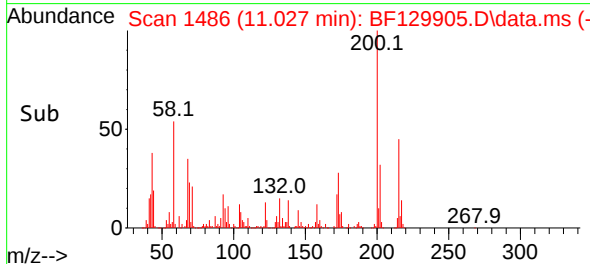
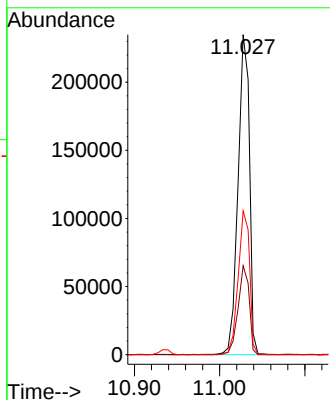
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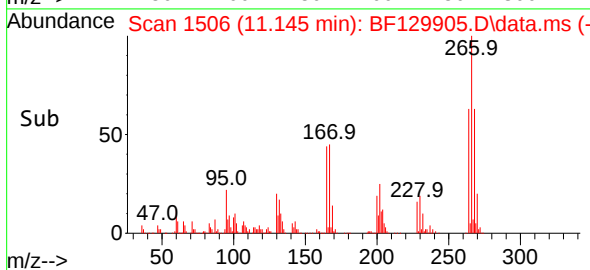
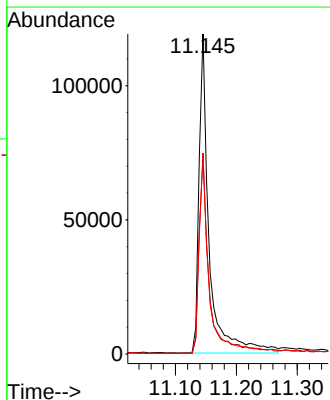
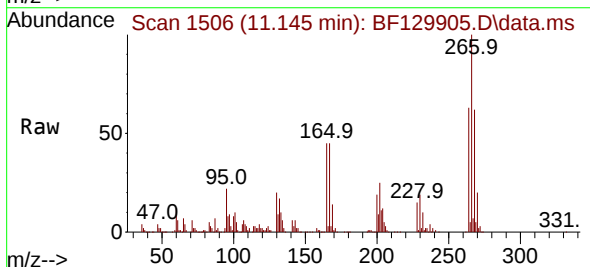
Supervised By :Jagrut  
 Upadhyay

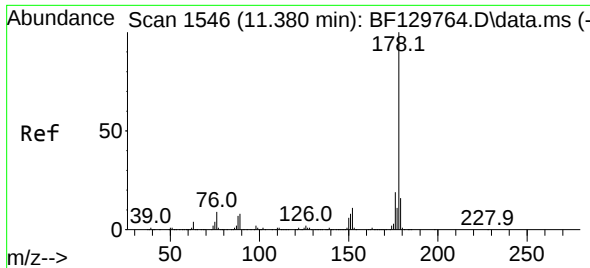
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#70  
 Pentachlorophenol  
 Concen: 74.690 ng  
 RT: 11.145 min Scan# 1506  
 Delta R.T. 0.006 min  
 Lab File: BF129905.D  
 Acq: 19 Aug 2022 11:18

Tgt Ion:266 Resp: 137853  
 Ion Ratio Lower Upper  
 266 100  
 268 62.0 49.0 73.4  
 264 62.8 47.9 71.9





#71  
Phenanthrene  
Concen: 40.421 ng  
RT: 11.351 min Scan# 110101  
Delta R.T. 0.000 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

Instrument :  
BNA\_F  
ClientSampleId :  
PB146848BS

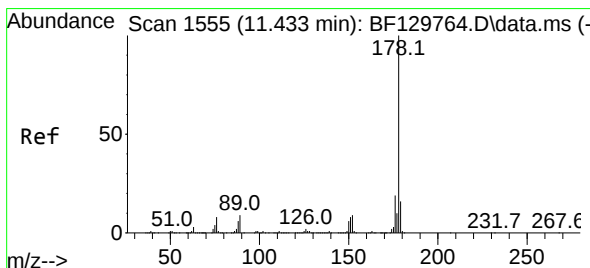
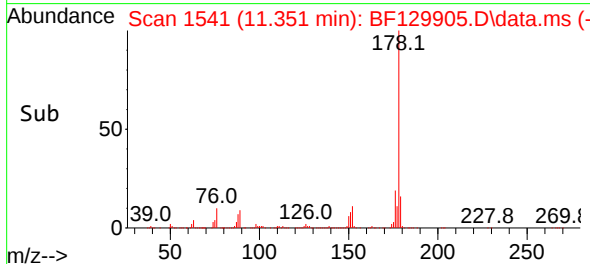
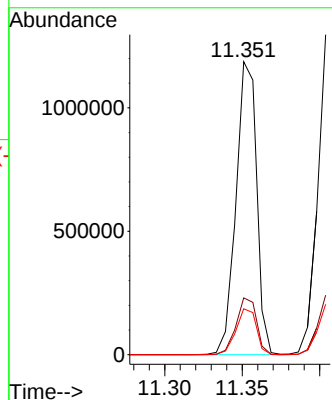
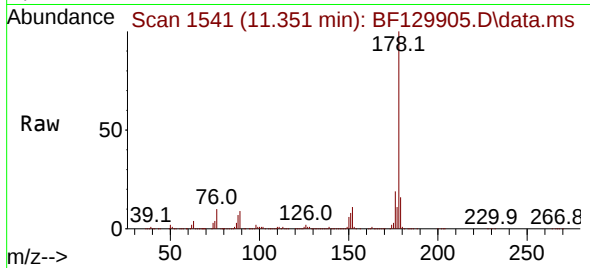
Tgt Ion:178 Resp: 110101  
Ion Ratio Lower Upper  
178 100  
176 19.4 15.5 23.3  
179 15.7 12.5 18.7

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Giraldo

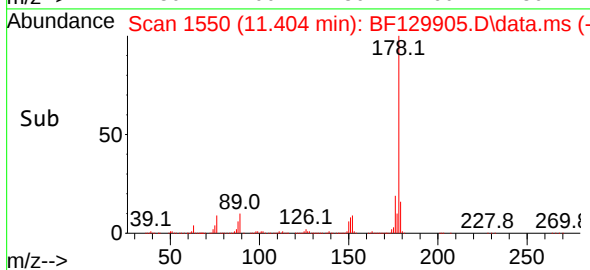
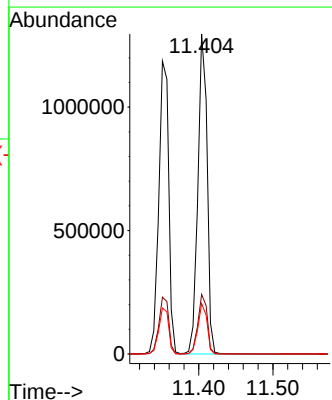
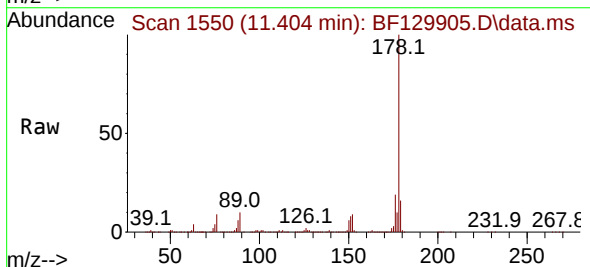
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Supervised By :Jagrut  
Upadhyay

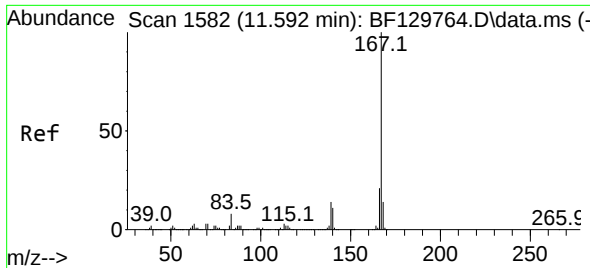
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#72  
Anthracene  
Concen: 41.357 ng  
RT: 11.404 min Scan# 1550  
Delta R.T. 0.000 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

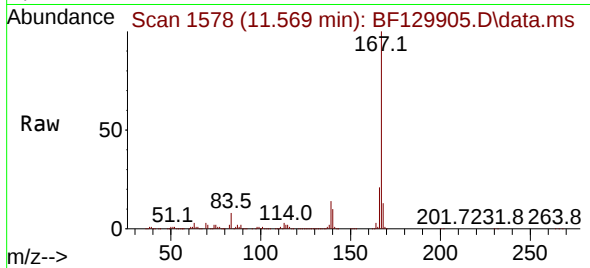
Tgt Ion:178 Resp: 1120250  
Ion Ratio Lower Upper  
178 100  
176 18.6 15.1 22.7  
179 15.7 12.6 18.8





#73  
 Carbazole  
 Concen: 42.214 ng  
 RT: 11.569 min Scan# 11  
 Delta R.T. 0.006 min  
 Lab File: BF129905.D  
 Acq: 19 Aug 2022 11:18

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB146848BS



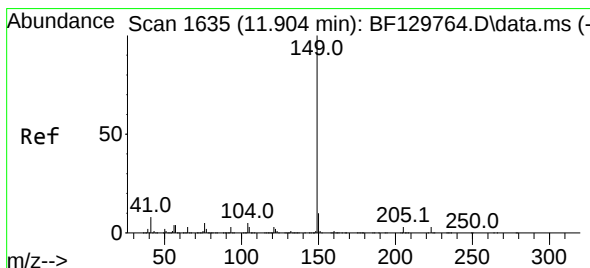
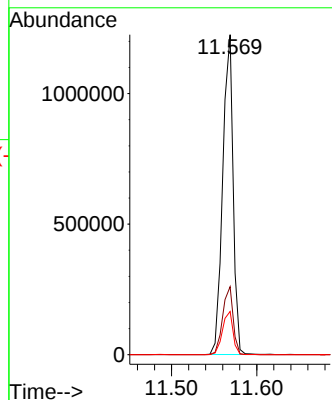
Tgt Ion:167 Resp: 103799  
 Ion Ratio Lower Upper  
 167 100  
 166 21.3 17.1 25.7  
 139 13.5 11.0 16.6

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 Giraldo

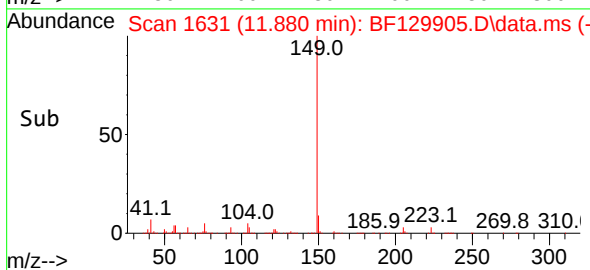
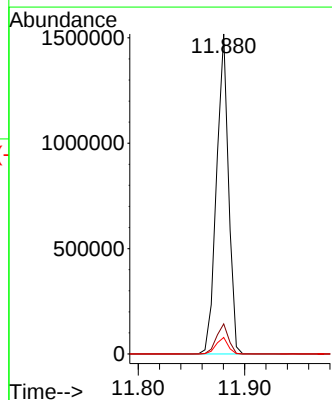
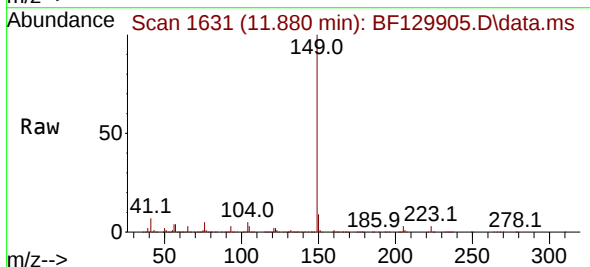
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 Supervised By :Jagrut  
 Upadhyay

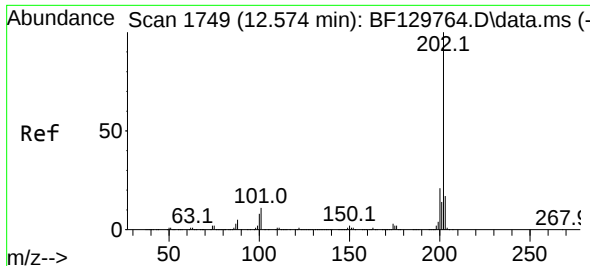
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#74  
 Di-n-butylphthalate  
 Concen: 37.411 ng  
 RT: 11.880 min Scan# 1631  
 Delta R.T. 0.000 min  
 Lab File: BF129905.D  
 Acq: 19 Aug 2022 11:18

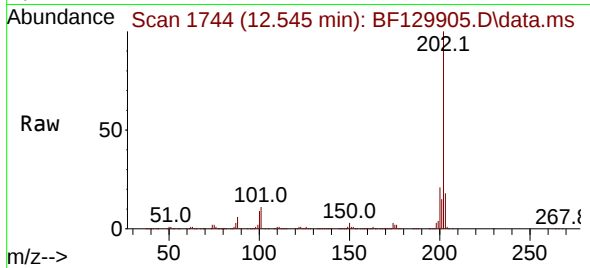
Tgt Ion:149 Resp: 1183913  
 Ion Ratio Lower Upper  
 149 100  
 150 9.4 7.8 11.6  
 104 5.2 4.2 6.4





#75  
Fluoranthene  
Concen: 39.191 ng  
RT: 12.545 min Scan# 1744  
Delta R.T. 0.006 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

Instrument :  
BNA\_F  
ClientSampleId :  
PB146848BS



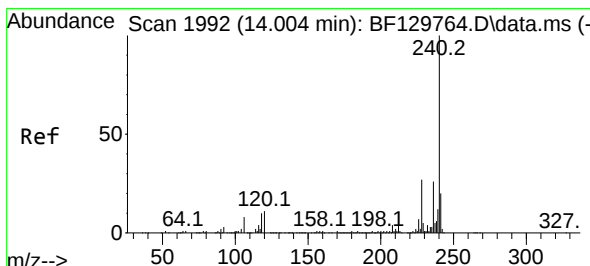
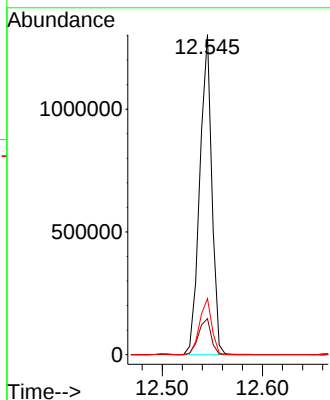
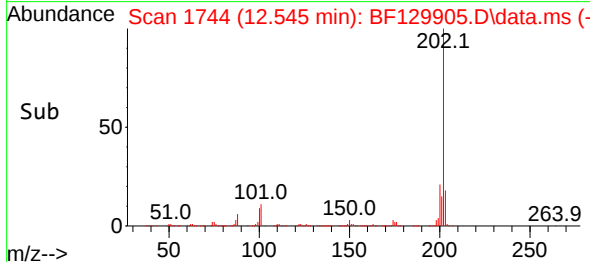
Tgt Ion:202 Resp: 109235  
Ion Ratio Lower Upper  
202 100  
101 11.2 0.0 30.7  
203 17.5 0.0 37.5

Manual Integrations  
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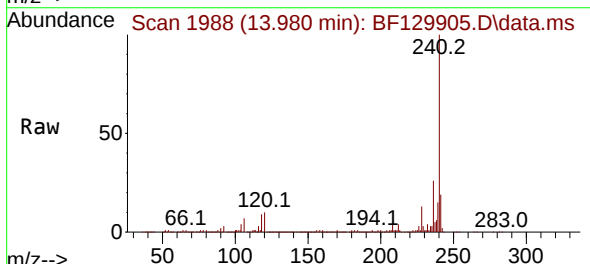
Reviewed By :Christian  
Giraldo

08/22/2022  
Supervised By :Jagrut  
Upadhyay

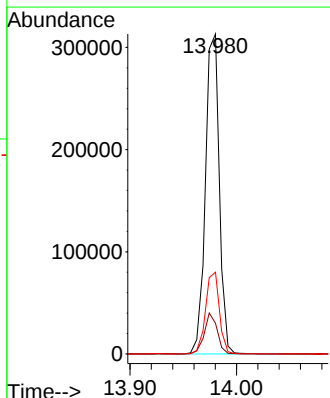
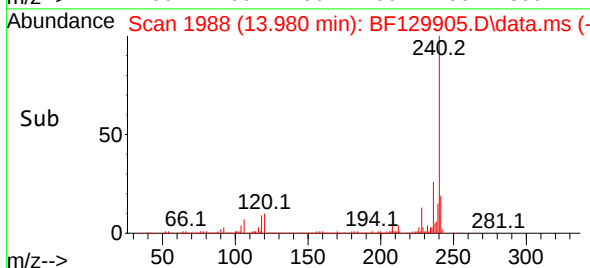
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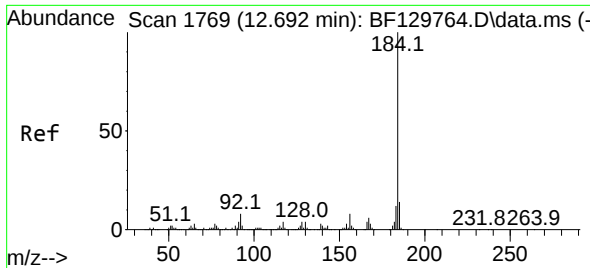


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.980 min Scan# 1988  
Delta R.T. 0.006 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18



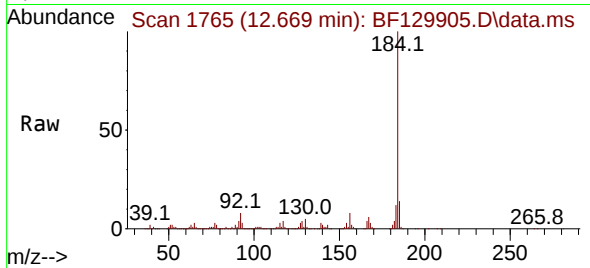
Tgt Ion:240 Resp: 284740  
Ion Ratio Lower Upper  
240 100  
120 9.6 9.2 13.8  
236 25.6 20.7 31.1





#77  
Benzidine  
Concen: 87.295 ng  
RT: 12.669 min Scan# 1765  
Delta R.T. 0.006 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

Instrument :  
BNA\_F  
ClientSampleId :  
PB146848BS



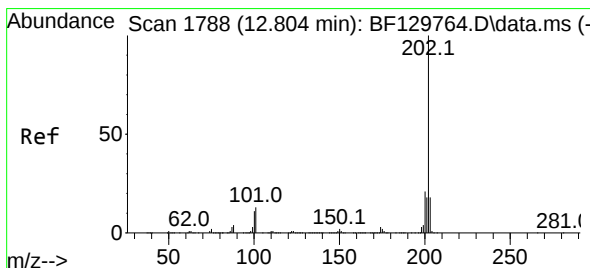
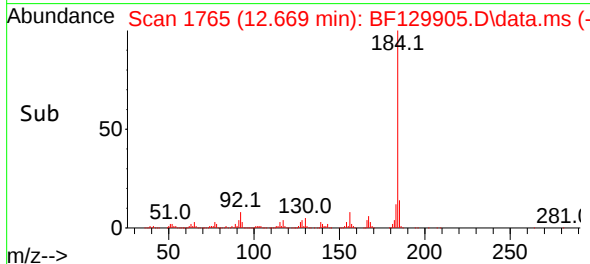
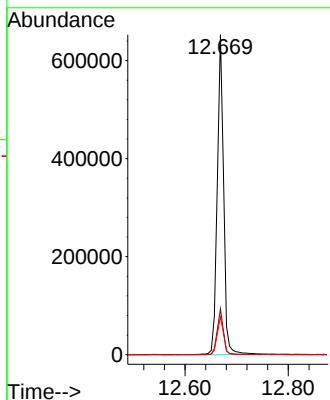
Tgt Ion:184 Resp: 56218  
Ion Ratio Lower Upper  
184 100  
185 14.3 11.4 17.2  
183 11.8 9.4 14.2

Manual Integrations  
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Reviewed By :Christian  
Giraldo

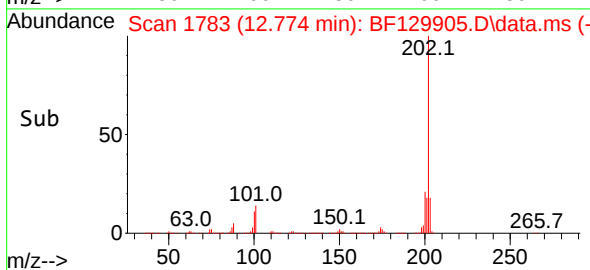
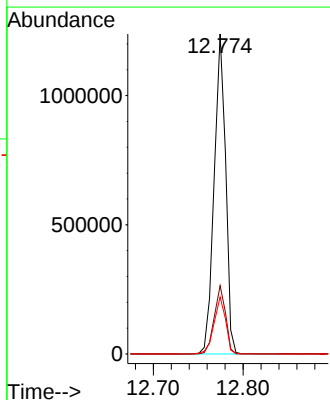
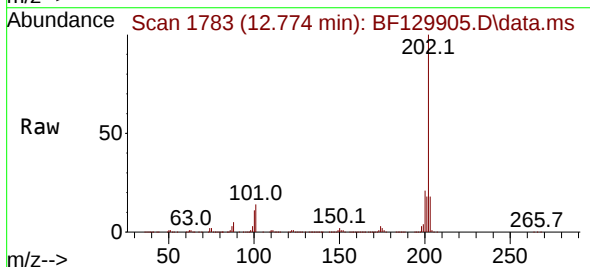
08/22/2022  
Supervised By :Jagrut  
Upadhyay

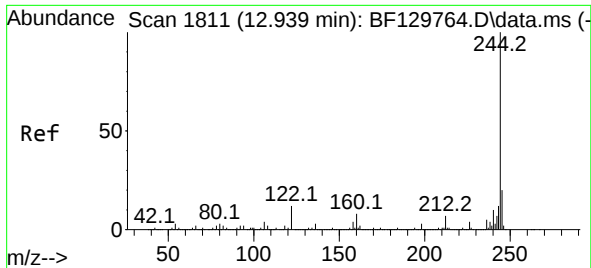
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#78  
Pyrene  
Concen: 44.438 ng  
RT: 12.774 min Scan# 1783  
Delta R.T. 0.006 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

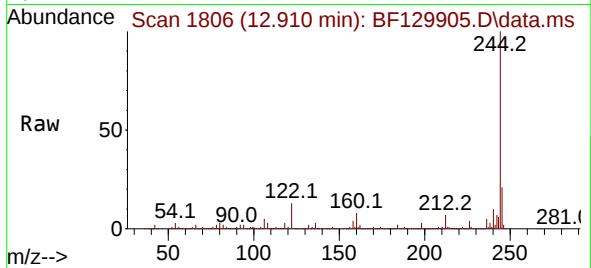
Tgt Ion:202 Resp: 1099562  
Ion Ratio Lower Upper  
202 100  
200 21.3 17.0 25.6  
203 17.8 14.1 21.1





#79  
Terphenyl-d14  
Concen: 87.798 ng  
RT: 12.910 min Scan# 1806  
Delta R.T. 0.000 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

Instrument :  
BNA\_F  
ClientSampleId :  
PB146848BS



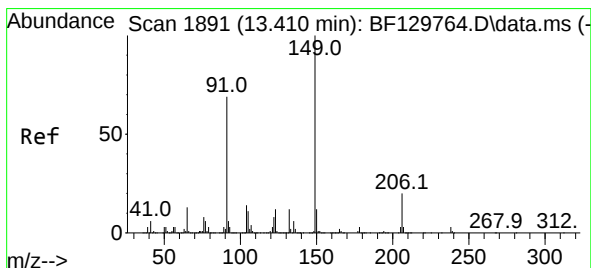
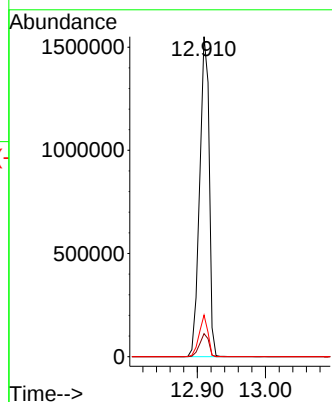
Tgt Ion:244 Resp: 1502430  
Ion Ratio Lower Upper  
244 100  
212 7.2 5.9 8.9  
122 13.0 9.9 14.9

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Giraldo

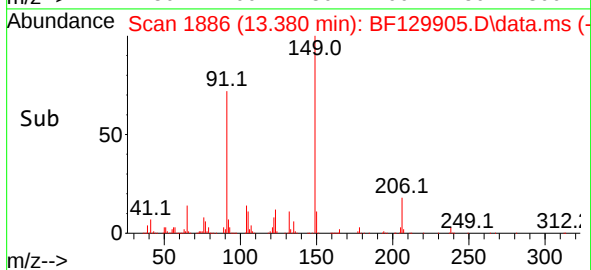
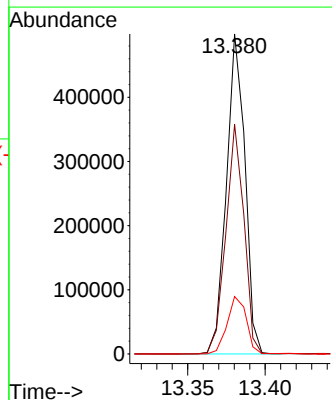
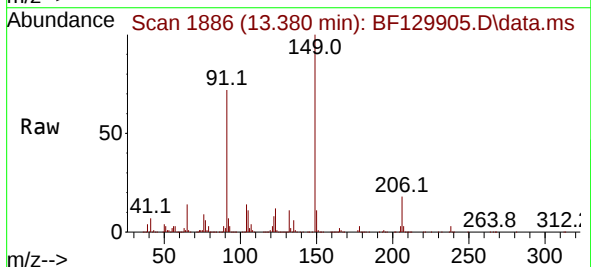
08/22/2022  
Supervised By :Jagrut  
Upadhyay

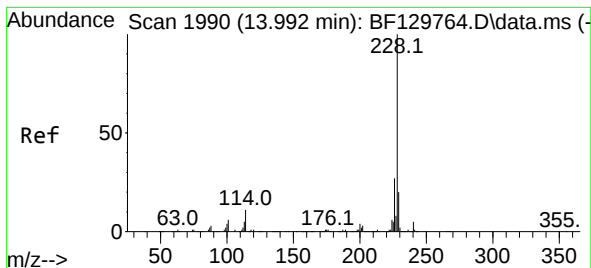
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#80  
Butylbenzylphthalate  
Concen: 39.595 ng  
RT: 13.380 min Scan# 1886  
Delta R.T. 0.000 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

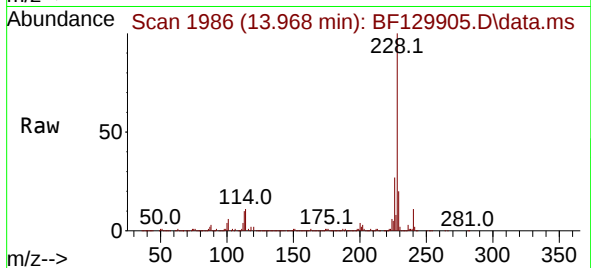
Tgt Ion:149 Resp: 414565  
Ion Ratio Lower Upper  
149 100  
91 71.8 55.4 83.0  
206 18.0 15.8 23.6





#81  
Benzo(a)anthracene  
Concen: 40.491 ng  
RT: 13.968 min Scan# 1986  
Delta R.T. 0.006 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

Instrument :  
BNA\_F  
ClientSampleId :  
PB146848BS



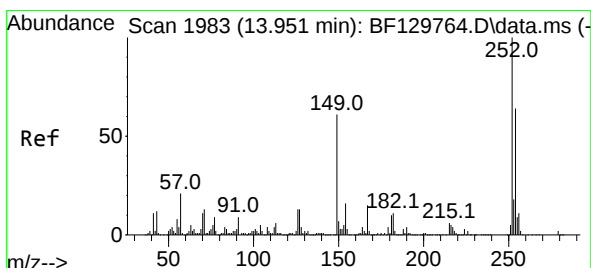
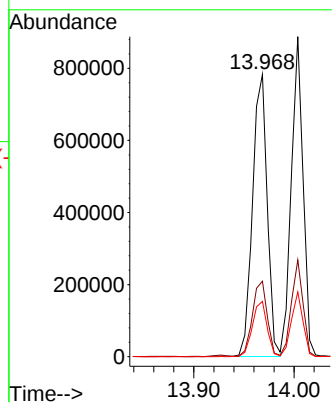
Tgt Ion:228 Resp: 793111  
Ion Ratio Lower Upper  
228 100  
226 26.8 21.4 32.0  
229 19.6 16.1 24.1

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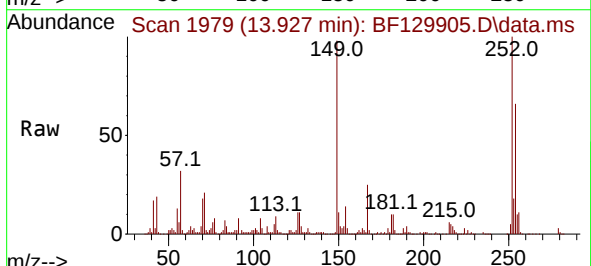
Reviewed By :Christian  
Giraldo

08/22/2022  
Supervised By :Jagrut  
Upadhyay

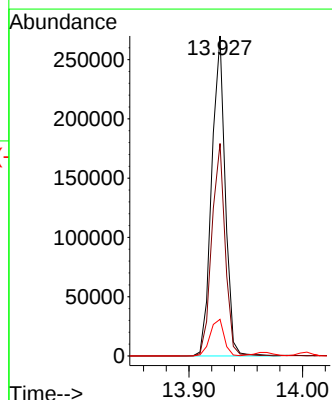
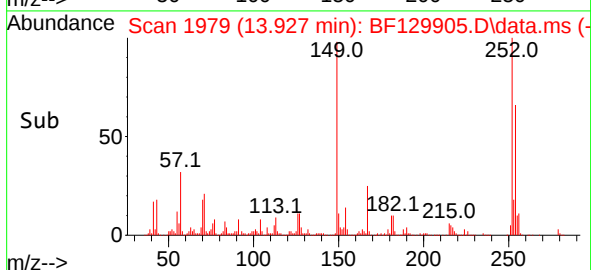
08/22/2022

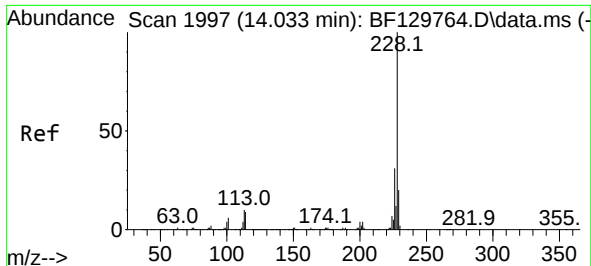


#82  
3,3'-Dichlorobenzidine  
Concen: 36.716 ng  
RT: 13.927 min Scan# 1979  
Delta R.T. 0.006 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18



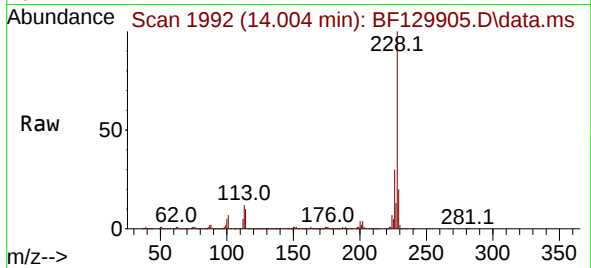
Tgt Ion:252 Resp: 222733  
Ion Ratio Lower Upper  
252 100  
254 66.4 51.4 77.2  
126 11.5 10.2 15.4





#83  
Chrysene  
Concen: 39.551 ng  
RT: 14.004 min Scan# 1997  
Delta R.T. 0.006 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

Instrument :  
BNA\_F  
ClientSampleId :  
PB146848BS



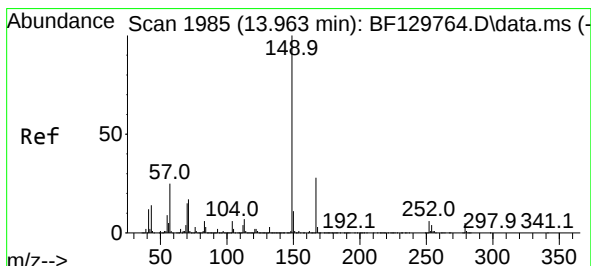
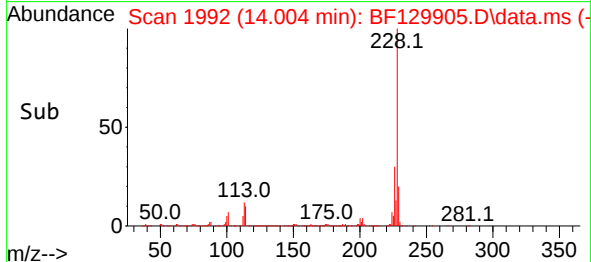
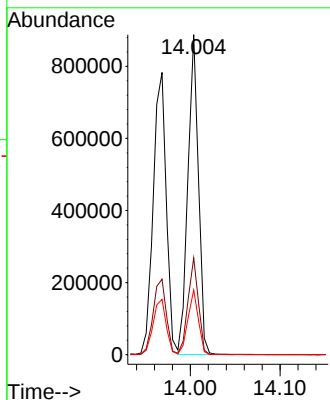
Tgt Ion:228 Resp: 725179  
Ion Ratio Lower Upper  
228 100  
226 30.3 24.4 36.6  
229 20.3 15.9 23.9

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Reviewed By :Christian  
Giraldo

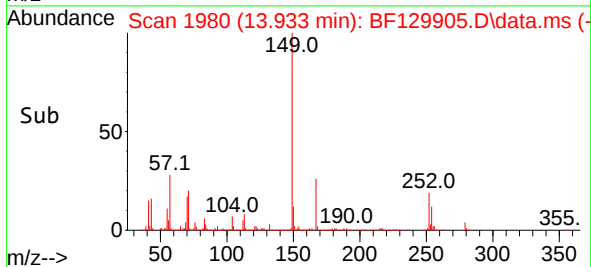
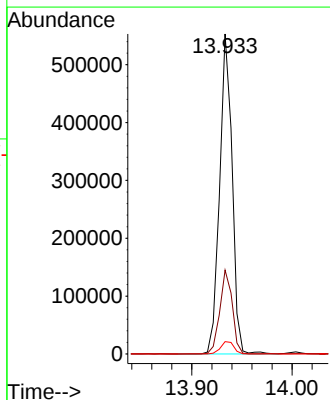
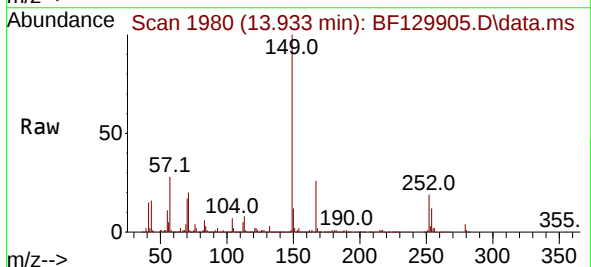
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Supervised By :Jagrut  
Upadhyay

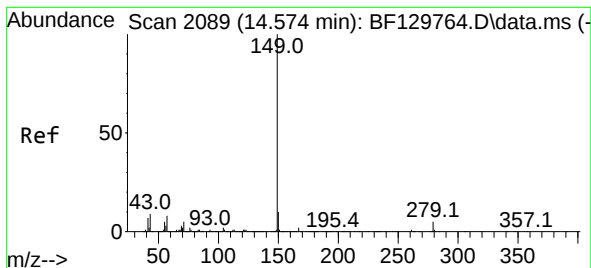
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#84  
Bis(2-ethylhexyl)phthalate  
Concen: 38.440 ng  
RT: 13.933 min Scan# 1980  
Delta R.T. 0.006 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

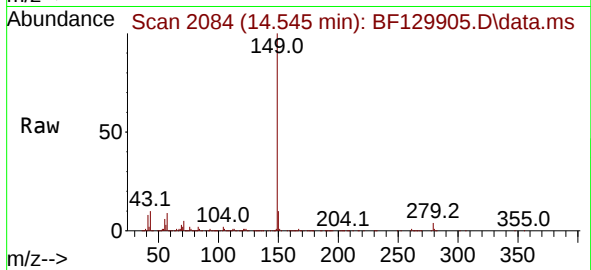
Tgt Ion:149 Resp: 477493  
Ion Ratio Lower Upper  
149 100  
167 26.2 22.0 33.0  
279 3.9 3.6 5.4





#85  
Di-n-octyl phthalate  
Concen: 38.779 ng  
RT: 14.545 min Scan# 2084  
Delta R.T. 0.006 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

Instrument :  
BNA\_F  
ClientSampleId :  
PB146848BS



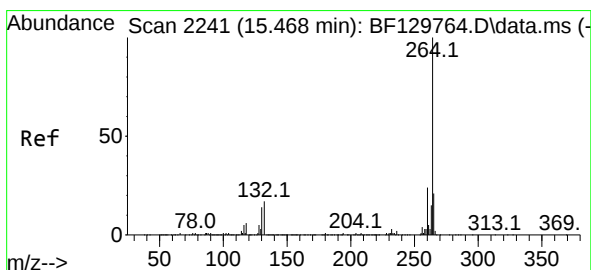
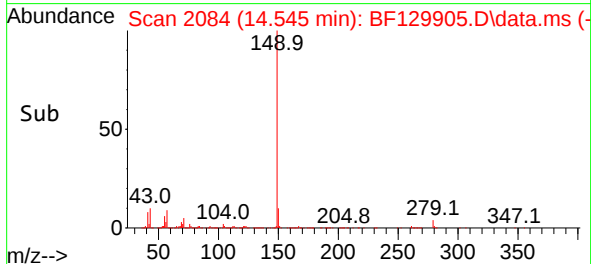
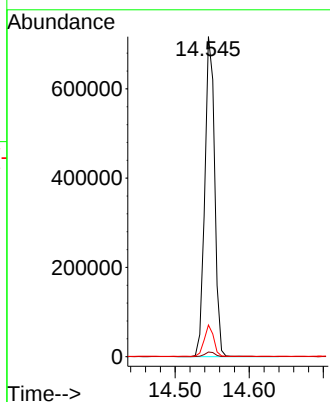
Tgt Ion:149 Resp: 66497  
Ion Ratio Lower Upper  
149 100  
167 1.5 1.3 1.9  
43 9.4 7.8 11.6

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Giraldo

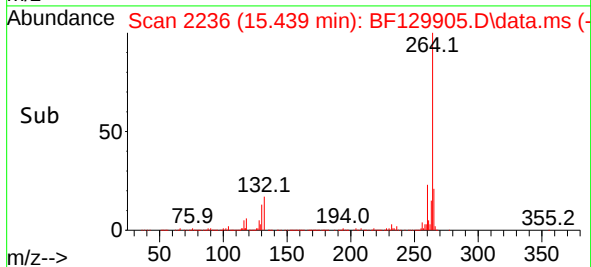
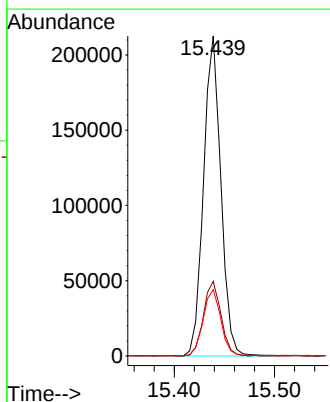
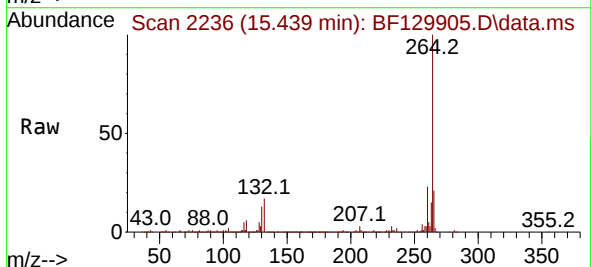
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Supervised By :Jagrut  
Upadhyay

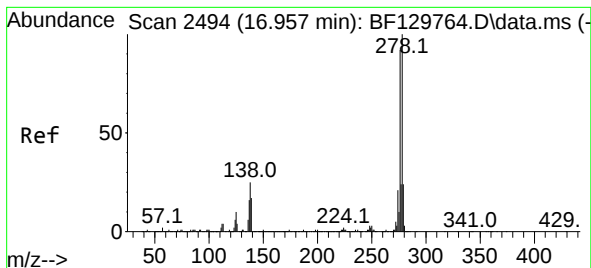
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#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.439 min Scan# 2236  
Delta R.T. 0.012 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

Tgt Ion:264 Resp: 255921  
Ion Ratio Lower Upper  
264 100  
260 23.3 19.1 28.7  
265 20.8 16.7 25.1





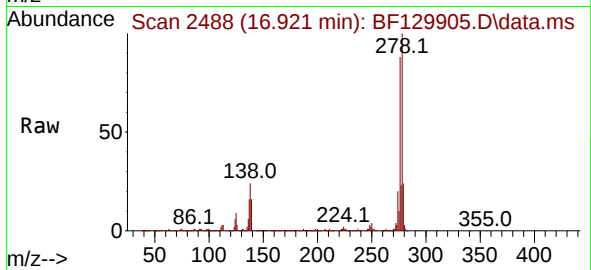
#87  
Indeno(1,2,3-cd)pyrene  
Concen: 49.367 ng  
RT: 16.921 min Scan# 2494  
Delta R.T. 0.018 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

Instrument :

BNA\_F

ClientSampleId :

PB146848BS



Tgt Ion: 276 Resp: 86733  
Ion Ratio Lower Upper  
276 100  
138 24.8 19.8 29.8  
277 25.6 20.4 30.6

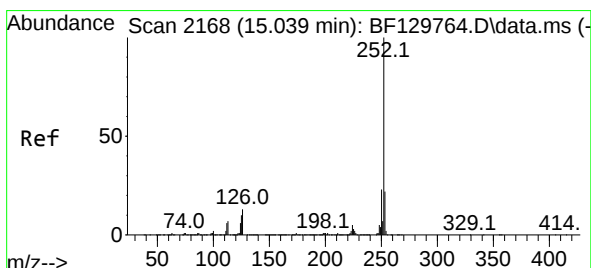
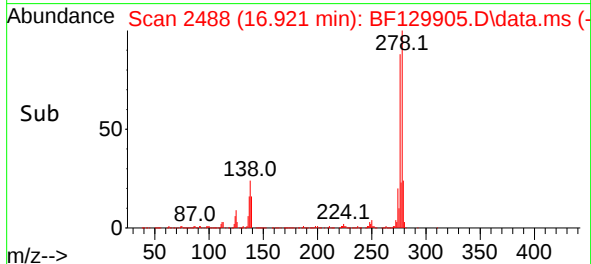
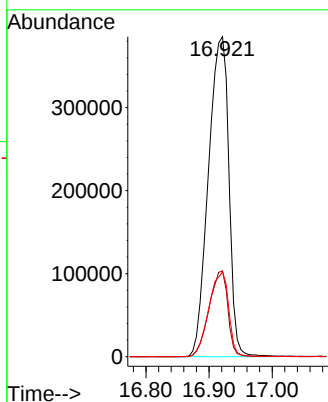
Manual Integrations  
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Giraldo

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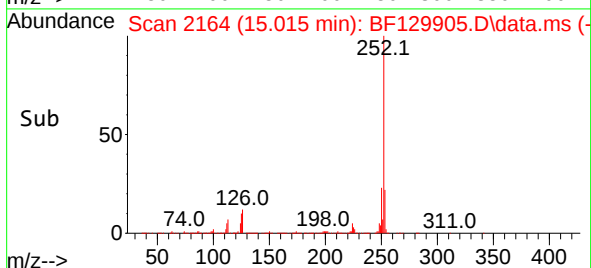
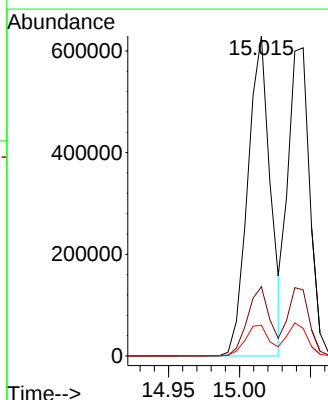
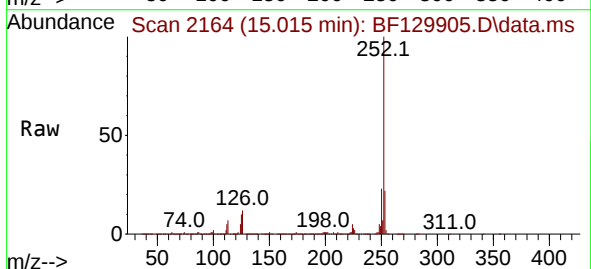
Supervised By : Jagrut  
Upadhyay

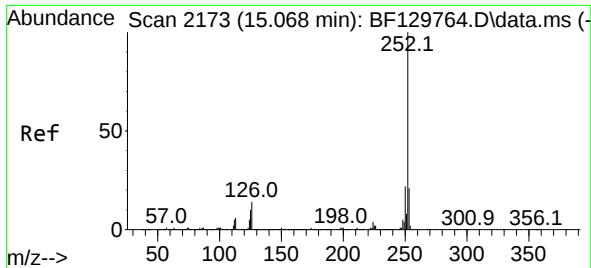
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#88  
Benzo(b)fluoranthene  
Concen: 39.708 ng  
RT: 15.015 min Scan# 2164  
Delta R.T. 0.012 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

Tgt Ion: 252 Resp: 695863  
Ion Ratio Lower Upper  
252 100  
253 21.7 17.5 26.3  
125 9.6 8.3 12.5





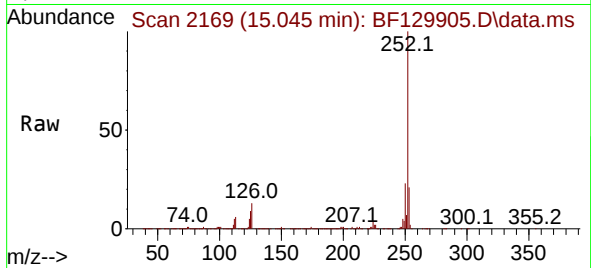
#89  
Benzo(k)fluoranthene  
Concen: 38.399 ng  
RT: 15.045 min Scan# 2173  
Delta R.T. 0.012 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

Instrument :

BNA\_F

ClientSampleId :

PB146848BS



Tgt Ion:252 Resp: 645320  
Ion Ratio Lower Upper  
252 100  
253 21.5 17.1 25.7  
125 9.0 8.3 12.5

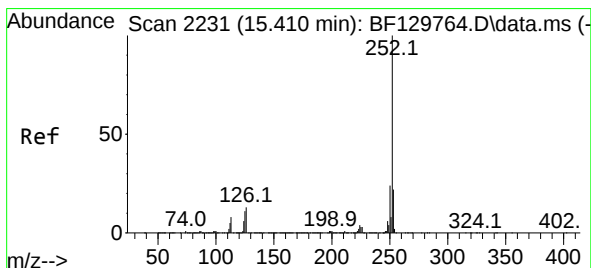
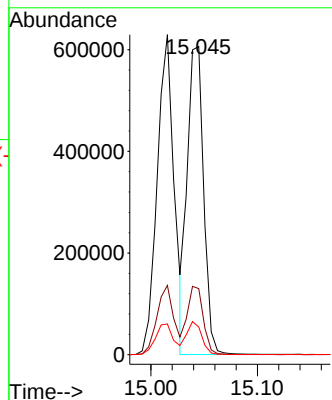
Manual Integrations  
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Giraldo

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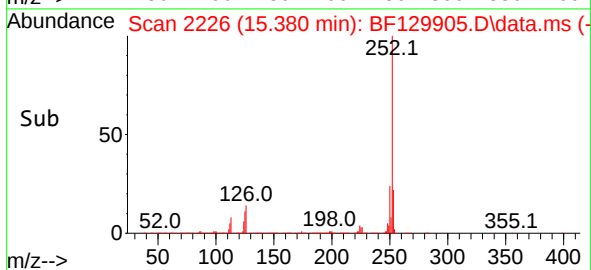
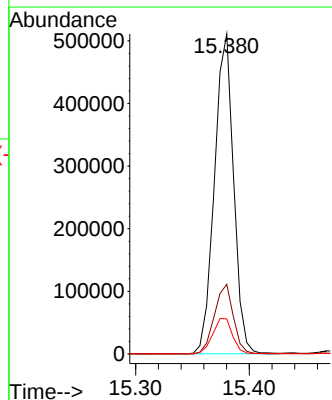
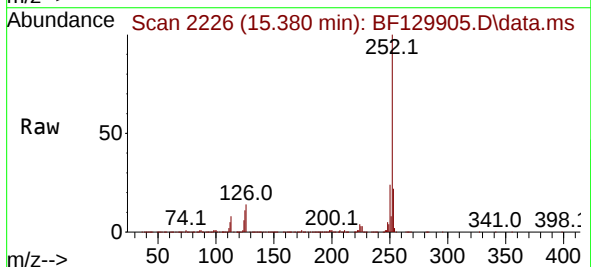
Supervised By :Jagrut  
Upadhyay

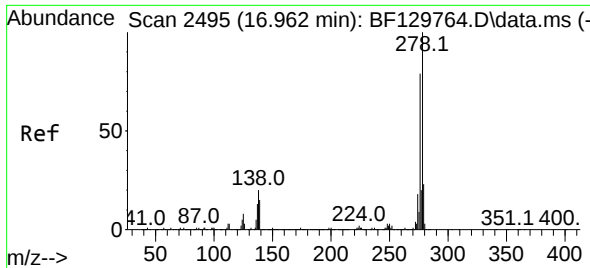
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#90  
Benzo(a)pyrene  
Concen: 43.366 ng  
RT: 15.380 min Scan# 2226  
Delta R.T. 0.012 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

Tgt Ion:252 Resp: 598464  
Ion Ratio Lower Upper  
252 100  
253 21.8 17.2 25.8  
125 11.0 8.8 13.2





#91  
Dibenzo(a,h)anthracene  
Concen: 51.657 ng  
RT: 16.921 min Scan# 2495  
Delta R.T. 0.018 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

Instrument :

BNA\_F

ClientSampleId :

PB146848BS

Tgt Ion:278 Resp: 74886  
Ion Ratio Lower Upper  
278 100  
139 15.9 12.2 18.4  
279 24.0 18.7 28.1

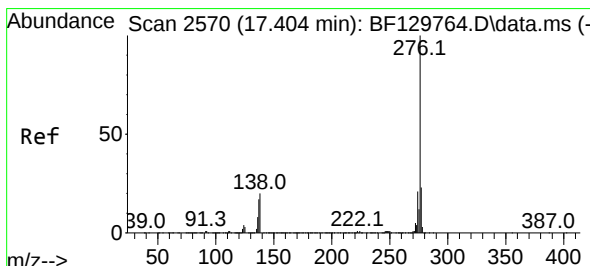
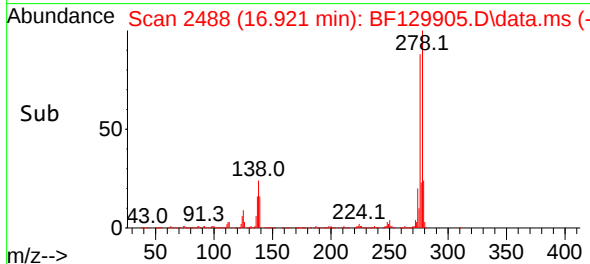
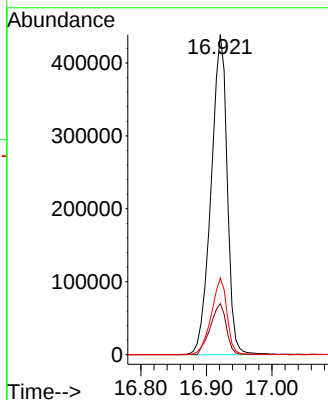
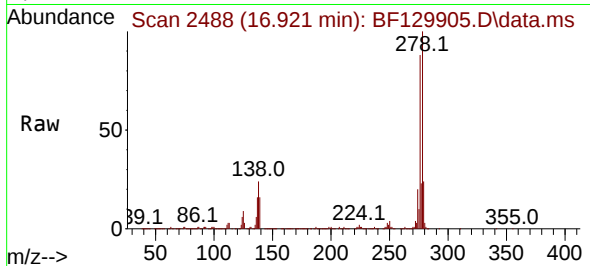
Manual Integrations  
APPROVED

Reviewed By :Christian  
Giraldo

08/22/2022

Supervised By :Jagrut  
Upadhyay

08/22/2022



#92  
Benzo(g,h,i)perylene  
Concen: 53.994 ng  
RT: 17.362 min Scan# 2563  
Delta R.T. 0.018 min  
Lab File: BF129905.D  
Acq: 19 Aug 2022 11:18

Tgt Ion:276 Resp: 780895  
Ion Ratio Lower Upper  
276 100  
277 23.5 18.2 27.4  
138 20.8 15.8 23.8

