

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF111522\  
 Data File : BF131246.D  
 Acq On : 15 Nov 2022 22:44  
 Operator : CG\JU  
 Sample : PB148948BS  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB148948BS

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 11/16/2022  
 Supervised By : Jagrut Upadhyay 11/16/2022

Quant Time: Nov 16 07:04:29 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF111522.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Nov 16 06:35:36 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.975  | 152  | 97638    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.269  | 136  | 379881   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 10.033 | 164  | 222045   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.527 | 188  | 402863   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.192 | 240  | 290870   | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 15.733 | 264  | 215943   | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.593  | 112  | 710600   | 128.874 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.592  | 99   | 881215   | 126.180 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.545  | 82   | 565388   | 83.540  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.828 | 330  | 255969   | 120.683 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.351  | 172  | 1063381  | 70.083  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.127 | 244  | 1287809  | 76.031  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.887  | 88   | 91767    | 36.326  | ng    | 97       |
| 3) Pyridine                   | 3.628  | 79   | 244964   | 34.307  | ng    | 96       |
| 4) n-Nitrosodimethylamine     | 3.599  | 42   | 180406   | 43.348  | ng    | 99       |
| 6) Aniline                    | 6.640  | 93   | 328787m  | 37.533  | ng    |          |
| 8) 2-Chlorophenol             | 6.757  | 128  | 274362   | 44.264  | ng    | 98       |
| 9) Benzaldehyde               | 6.528  | 77   | 136541   | 26.953  | ng    | 94       |
| 10) Phenol                    | 6.604  | 94   | 334468   | 42.811  | ng    | 94       |
| 11) bis(2-Chloroethyl)ether   | 6.710  | 93   | 261122   | 42.687  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.916  | 146  | 293887   | 41.911  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.992  | 146  | 293276   | 41.355  | ng    | 100      |
| 14) 1,2-Dichlorobenzene       | 7.145  | 146  | 284179   | 43.356  | ng    | 98       |
| 15) Benzyl Alcohol            | 7.116  | 79   | 238674m  | 39.344  | ng    |          |
| 16) 2,2'-oxybis(1-Chloropr... | 7.251  | 45   | 500482   | 43.437  | ng    | 98       |
| 17) 2-Methylphenol            | 7.216  | 107  | 227470   | 42.987  | ng    | 98       |
| 18) Hexachloroethane          | 7.492  | 117  | 112788   | 43.748  | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 7.392  | 70   | 205007   | 42.127  | ng    | 100      |
| 20) 3+4-Methylphenols         | 7.375  | 107  | 282907   | 41.333  | ng    | 93       |
| 22) Acetophenone              | 7.387  | 105  | 395610   | 39.951  | ng    | 98       |
| 24) Nitrobenzene              | 7.563  | 77   | 307553   | 42.095  | ng    | 99       |
| 25) Isophorone                | 7.804  | 82   | 559719   | 41.397  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.881  | 139  | 122175   | 42.305  | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 7.910  | 122  | 252917   | 45.700  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 8.010  | 93   | 320468   | 42.040  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.116  | 162  | 234998   | 39.265  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.204  | 180  | 267690   | 38.149  | ng    | 98       |
| 31) Naphthalene               | 8.292  | 128  | 770101   | 37.418  | ng    | 99       |
| 32) Benzoic acid              | 8.028  | 122  | 158983   | 40.825  | ng    | 92       |
| 33) 4-Chloroaniline           | 8.334  | 127  | 210927   | 26.034  | ng    | 97       |
| 34) Hexachlorobutadiene       | 8.404  | 225  | 167446   | 37.703  | ng    | 96       |
| 35) Caprolactam               | 8.704  | 113  | 75065m   | 42.442  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.810  | 107  | 250660   | 39.789  | ng    | 95       |
| 37) 2-Methylnaphthalene       | 8.986  | 142  | 518428   | 37.822  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 9.086  | 142  | 488155   | 36.727  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.151  | 216  | 266337   | 37.254  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.133  | 237  | 338730   | 92.441  | ng    | 97       |
| 43) 2,4,6-Trichlorophenol     | 9.257  | 196  | 170217   | 36.417  | ng    | 99       |

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 Sample : PB148948BS  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
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 PB148948BS

Manual Integrations  
 APPROVED

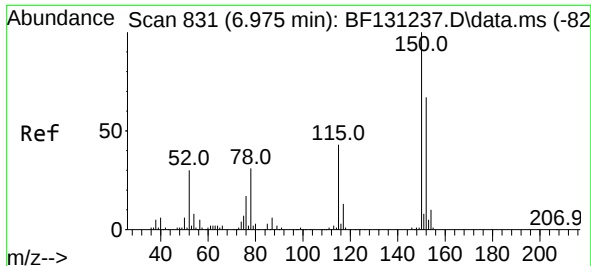
Reviewed By : Christian Giraldo 11/16/2022  
 Supervised By : Jagrut Upadhyay 11/16/2022

Quant Time: Nov 16 07:04:29 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF111522.M  
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| Compound                       | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol      | 9.298  | 196  | 188066   | 37.494 | ng    | 96       |
| 46) 1,1'-Biphenyl              | 9.451  | 154  | 641511   | 37.582 | ng    | 99       |
| 47) 2-Chloronaphthalene        | 9.475  | 162  | 502302   | 36.325 | ng    | 100      |
| 48) 2-Nitroaniline             | 9.569  | 65   | 176321   | 40.436 | ng    | 97       |
| 49) Acenaphthylene             | 9.898  | 152  | 778010   | 36.845 | ng    | 99       |
| 50) Dimethylphthalate          | 9.757  | 163  | 592171   | 37.243 | ng    | 99       |
| 51) 2,6-Dinitrotoluene         | 9.816  | 165  | 123905   | 40.239 | ng    | 93       |
| 52) Acenaphthene               | 10.069 | 154  | 530880   | 40.278 | ng    | 99       |
| 53) 3-Nitroaniline             | 9.986  | 138  | 89024    | 27.939 | ng    | 96       |
| 54) 2,4-Dinitrophenol          | 10.086 | 184  | 111285   | 79.129 | ng    | # 82     |
| 55) Dibenzofuran               | 10.245 | 168  | 692187   | 36.655 | ng    | 96       |
| 56) 4-Nitrophenol              | 10.139 | 139  | 196379   | 78.497 | ng    | 97       |
| 57) 2,4-Dinitrotoluene         | 10.222 | 165  | 161936   | 42.367 | ng    | 90       |
| 58) Fluorene                   | 10.586 | 166  | 534607   | 35.977 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.351 | 232  | 162915   | 38.340 | ng    | 99       |
| 60) Diethylphthalate           | 10.457 | 149  | 560726   | 37.308 | ng    | 99       |
| 61) 4-Chlorophenyl-phenylether | 10.580 | 204  | 271310   | 36.925 | ng    | 95       |
| 62) 4-Nitroaniline             | 10.604 | 138  | 124603   | 38.454 | ng    | 96       |
| 63) Azobenzene                 | 10.739 | 77   | 572434   | 36.378 | ng    | 100      |
| 65) 4,6-Dinitro-2-methylph...  | 10.628 | 198  | 69302    | 39.870 | ng    | 91       |
| 66) n-Nitrosodiphenylamine     | 10.698 | 169  | 474902   | 37.104 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether  | 11.075 | 248  | 180980   | 38.261 | ng    | 91       |
| 68) Hexachlorobenzene          | 11.133 | 284  | 195574   | 38.152 | ng    | 99       |
| 69) Atrazine                   | 11.227 | 200  | 168070   | 40.061 | ng    | 99       |
| 70) Pentachlorophenol          | 11.327 | 266  | 236049   | 78.892 | ng    | 100      |
| 71) Phenanthrene               | 11.557 | 178  | 813991   | 36.611 | ng    | 99       |
| 72) Anthracene                 | 11.610 | 178  | 831372   | 38.278 | ng    | 99       |
| 73) Carbazole                  | 11.763 | 167  | 754765   | 38.823 | ng    | 99       |
| 74) Di-n-butylphthalate        | 12.092 | 149  | 854159   | 37.751 | ng    | 99       |
| 75) Fluoranthene               | 12.751 | 202  | 923660   | 37.669 | ng    | 100      |
| 77) Benzidine                  | 12.874 | 184  | 372404   | 59.745 | ng    | 99       |
| 78) Pyrene                     | 12.986 | 202  | 938328   | 37.423 | ng    | 99       |
| 80) Butylbenzylphthalate       | 13.604 | 149  | 344047   | 40.488 | ng    | 99       |
| 81) Benzo(a)anthracene         | 14.180 | 228  | 743199   | 36.765 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine     | 14.139 | 252  | 194345   | 32.856 | ng    | 96       |
| 83) Chrysene                   | 14.216 | 228  | 708837   | 35.994 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha...  | 14.163 | 149  | 437578   | 40.945 | ng    | 99       |
| 85) Di-n-octyl phthalate       | 14.798 | 149  | 626307   | 41.471 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene     | 17.315 | 276  | 581309   | 40.748 | ng    | 99       |
| 88) Benzo(b)fluoranthene       | 15.268 | 252  | 604148   | 40.071 | ng    | 100      |
| 89) Benzo(k)fluoranthene       | 15.304 | 252  | 573299   | 38.357 | ng    | 100      |
| 90) Benzo(a)pyrene             | 15.668 | 252  | 510481   | 42.356 | ng    | 100      |
| 91) Dibenzo(a,h)anthracene     | 17.345 | 278  | 485631   | 41.492 | ng    | 97       |
| 92) Benzo(g,h,i)perylene       | 17.804 | 276  | 488170   | 38.065 | ng    | 99       |

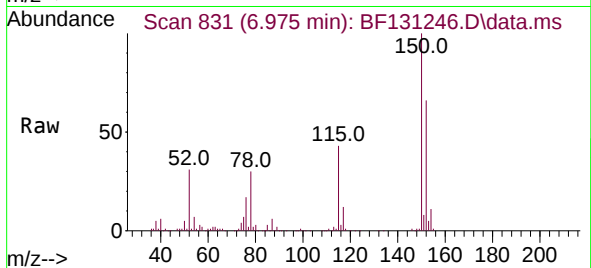
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.975 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: BF131246.D  
Acq: 15 Nov 2022 22:44

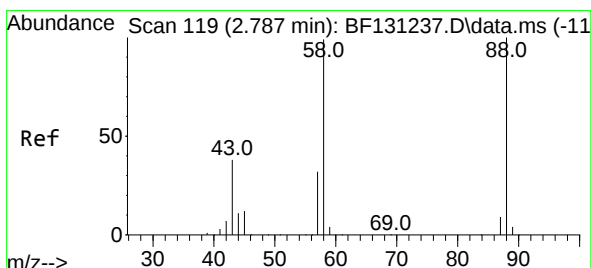
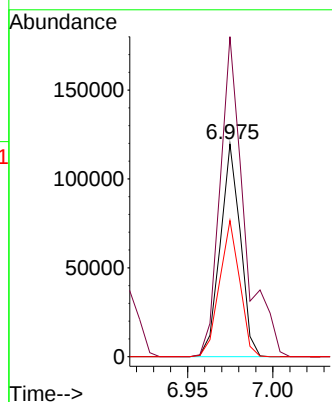
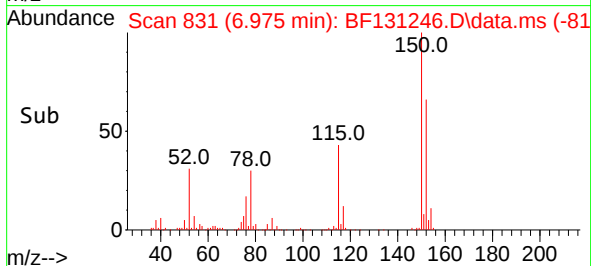
Instrument :  
BNA\_F  
ClientSampleId :  
PB148948BS



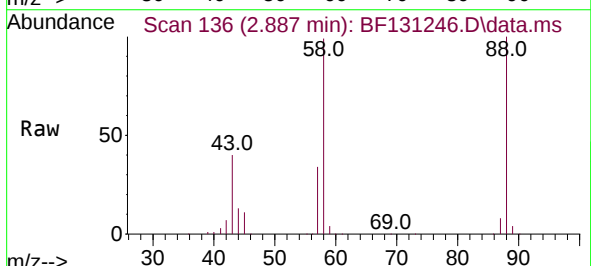
Tgt Ion:152 Resp: 97638  
Ion Ratio Lower Upper  
152 100  
150 150.6 120.2 180.4  
115 64.0 51.8 77.8

Manual Integrations  
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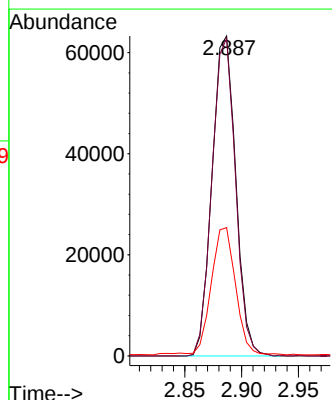
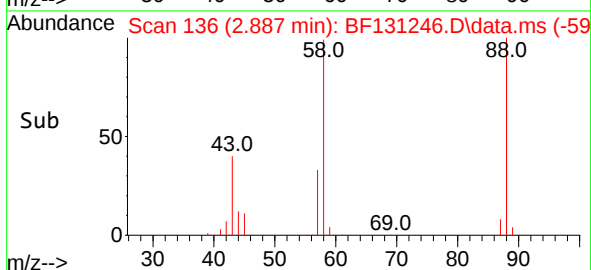
Reviewed By :Christian Giraldo 11/16/2022  
Supervised By :Jagrut Upadhyay 11/16/2022

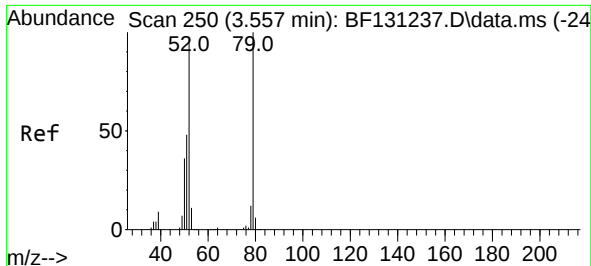


#2  
1,4-Dioxane  
Concen: 36.326 ng  
RT: 2.887 min Scan# 136  
Delta R.T. 0.100 min  
Lab File: BF131246.D  
Acq: 15 Nov 2022 22:44



Tgt Ion: 88 Resp: 91767  
Ion Ratio Lower Upper  
88 100  
58 98.4 77.1 115.7  
43 41.4 31.3 46.9





#3

Pyridine

Concen: 34.307 ng

RT: 3.628 min Scan# 20

Delta R.T. 0.071 min

Lab File: BF131246.D

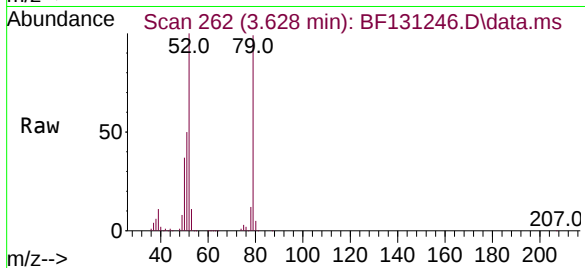
Acq: 15 Nov 2022 22:44

Instrument :

BNA\_F

ClientSampleId :

PB148948BS



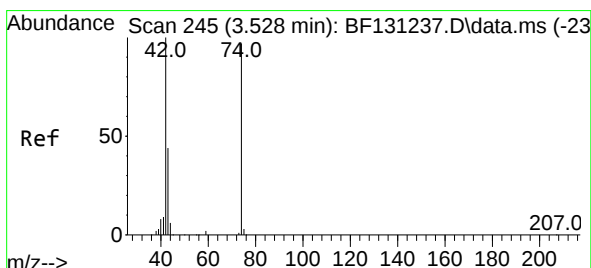
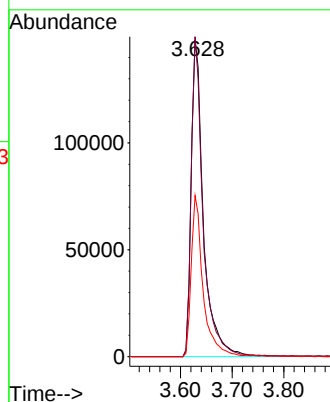
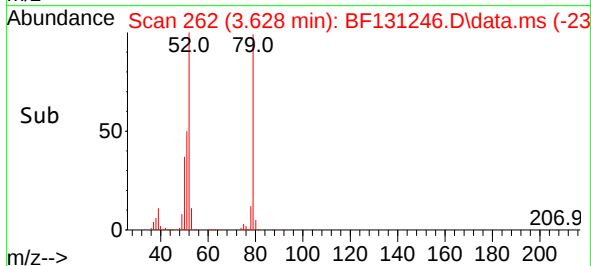
Tgt Ion: 79 Resp: 244964

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 79  | 100   |       |       |
| 52  | 101.0 | 77.7  | 116.5 |
| 51  | 50.9  | 38.7  | 58.1  |

Manual Integrations

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Supervised By :Jagrut Upadhyay 11/16/2022



#4

n-Nitrosodimethylamine

Concen: 43.348 ng

RT: 3.599 min Scan# 257

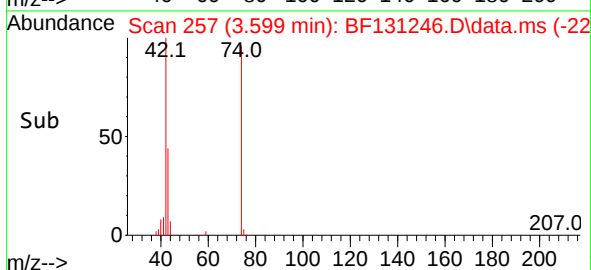
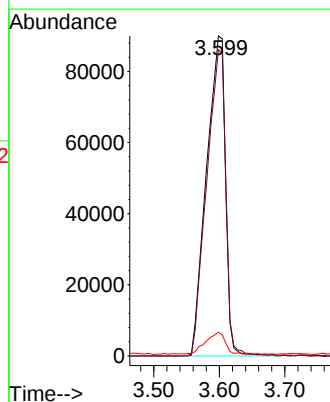
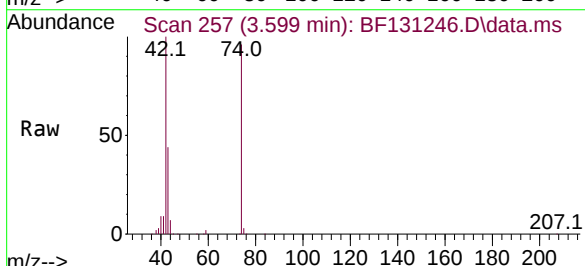
Delta R.T. 0.071 min

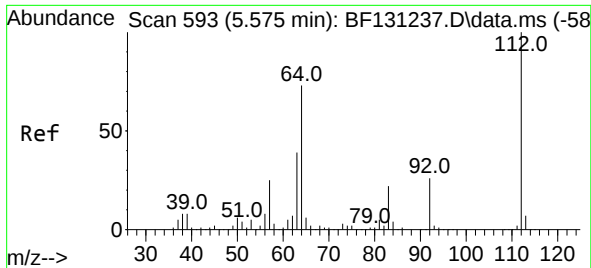
Lab File: BF131246.D

Acq: 15 Nov 2022 22:44

Tgt Ion: 42 Resp: 180406

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 42  | 100   |       |       |
| 74  | 95.7  | 77.8  | 116.6 |
| 44  | 7.4   | 5.9   | 8.9   |





#5  
2-Fluorophenol  
Concen: 128.874 ng  
RT: 5.593 min Scan# 593  
Delta R.T. 0.018 min  
Lab File: BF131246.D  
Acq: 15 Nov 2022 22:44

Instrument :

BNA\_F

ClientSampleId :

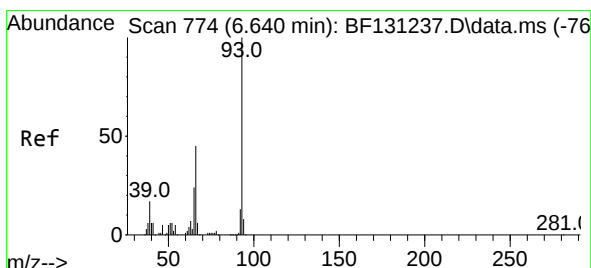
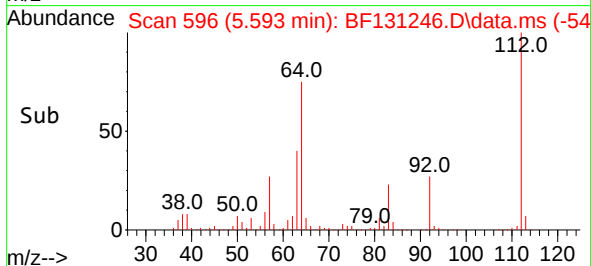
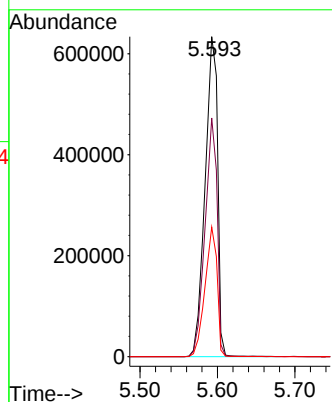
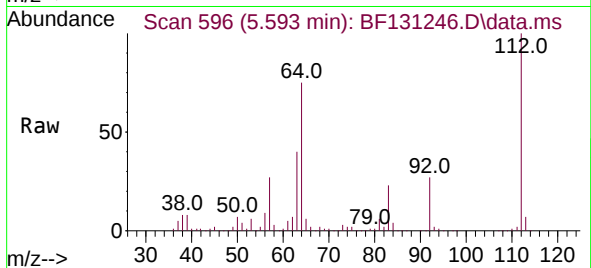
PB148948BS

Tgt Ion:112 Resp: 710600  
Ion Ratio Lower Upper  
112 100  
64 74.6 58.4 87.6  
63 40.5 31.6 47.4

Manual Integrations

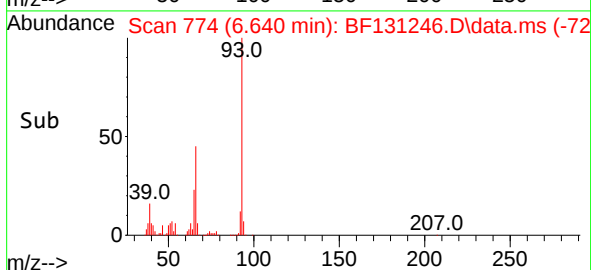
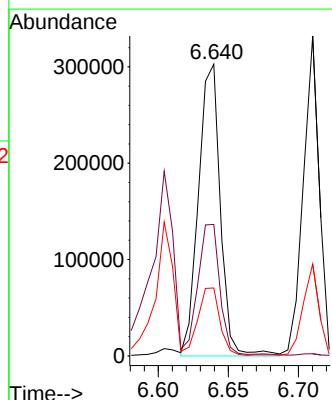
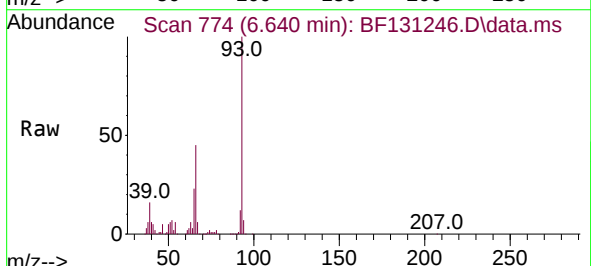
APPROVED

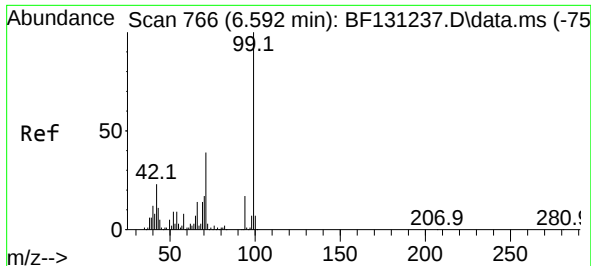
Reviewed By :Christian Giraldo 11/16/2022  
Supervised By :Jagrut Upadhyay 11/16/2022



#6  
Aniline  
Concen: 37.533 ng m  
RT: 6.640 min Scan# 774  
Delta R.T. 0.000 min  
Lab File: BF131246.D  
Acq: 15 Nov 2022 22:44

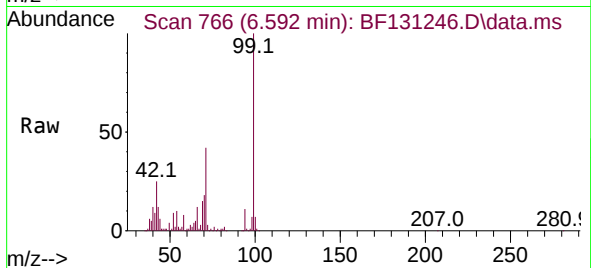
Tgt Ion: 93 Resp: 328787  
Ion Ratio Lower Upper  
93 100  
66 45.1 36.6 55.0  
65 23.3 19.3 28.9





#7  
Phenol-d6  
Concen: 126.180 ng  
RT: 6.592 min Scan# 766  
Delta R.T. 0.000 min  
Lab File: BF131246.D  
Acq: 15 Nov 2022 22:44

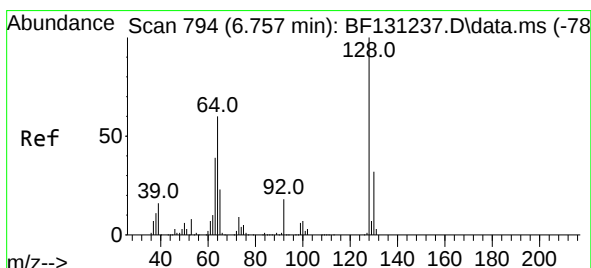
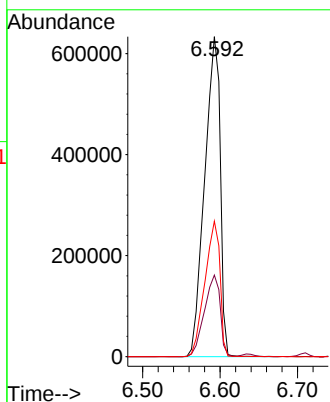
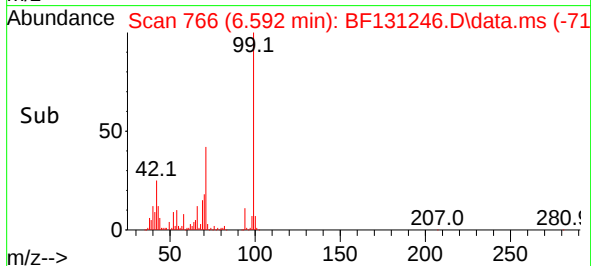
Instrument :  
BNA\_F  
Client Sample Id :  
PB148948BS



Tgt Ion: 99 Resp: 881215  
Ion Ratio Lower Upper  
99 100  
42 25.5 18.6 28.0  
71 42.3 31.1 46.7

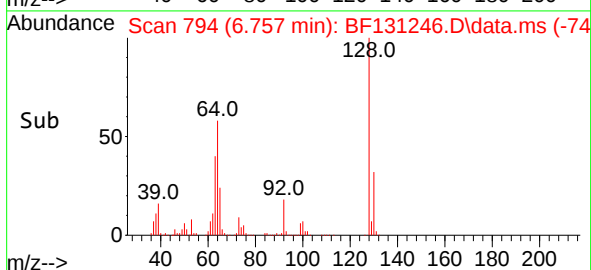
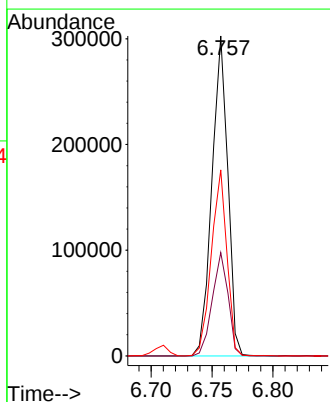
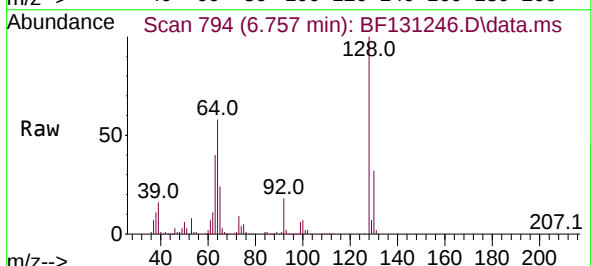
Manual Integrations  
APPROVED

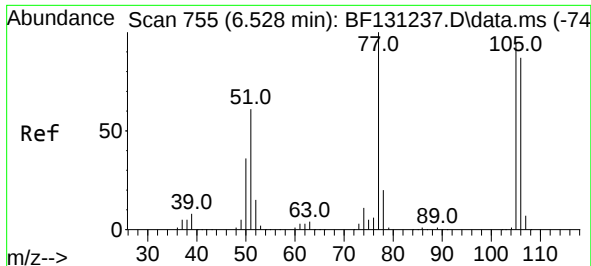
Reviewed By :Christian Giraldo 11/16/2022  
Supervised By :Jagrut Upadhyay 11/16/2022



#8  
2-Chlorophenol  
Concen: 44.264 ng  
RT: 6.757 min Scan# 794  
Delta R.T. 0.000 min  
Lab File: BF131246.D  
Acq: 15 Nov 2022 22:44

Tgt Ion:128 Resp: 274362  
Ion Ratio Lower Upper  
128 100  
130 32.3 12.2 52.2  
64 58.1 40.1 80.1





#9

Benzaldehyde

Concen: 26.953 ng

RT: 6.528 min Scan# 755

Delta R.T. -0.000 min

Lab File: BF131246.D

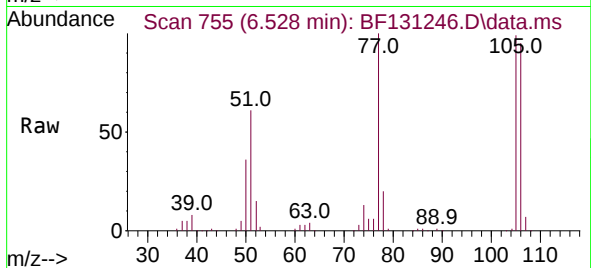
Acq: 15 Nov 2022 22:44

Instrument :

BNA\_F

ClientSampleId :

PB148948BS

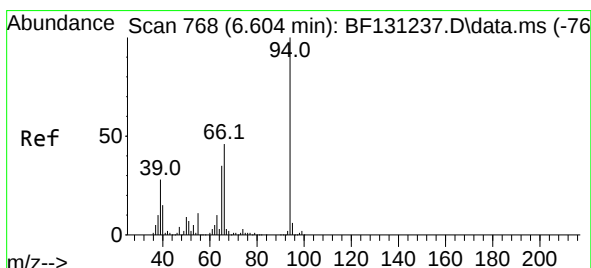
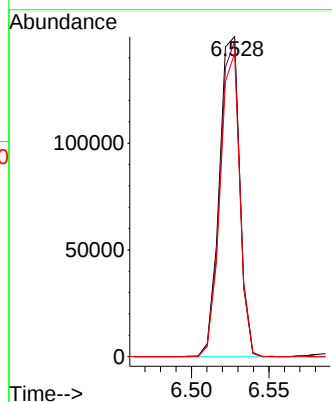
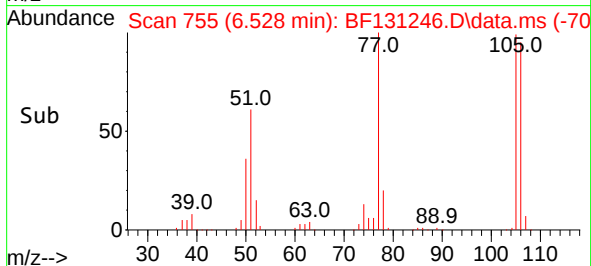


|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 77    | Resp: | 13654 |
| Ion Ratio | Lower | Upper |       |
| 77        | 100   |       |       |
| 105       | 98.5  | 74.8  | 114.8 |
| 106       | 94.8  | 67.3  | 107.3 |

Manual Integrations

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Reviewed By :Christian Giraldo 11/16/2022  
Supervised By :Jagrut Upadhyay 11/16/2022



#10

Phenol

Concen: 42.811 ng

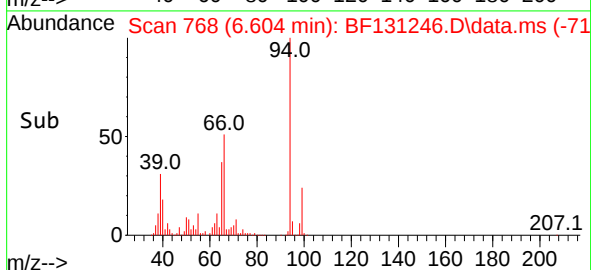
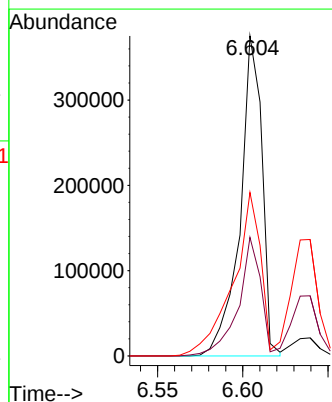
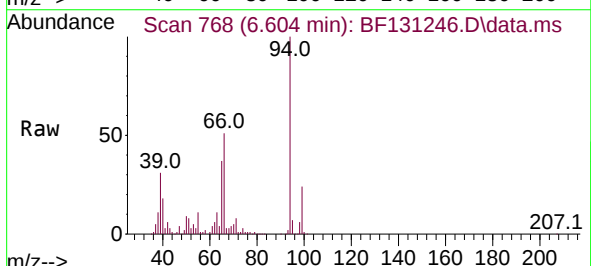
RT: 6.604 min Scan# 768

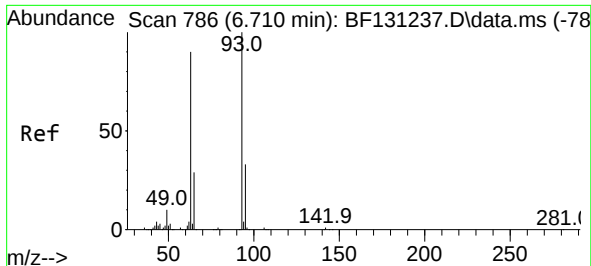
Delta R.T. 0.000 min

Lab File: BF131246.D

Acq: 15 Nov 2022 22:44

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 94    | Resp: | 334468 |
| Ion Ratio | Lower | Upper |        |
| 94        | 100   |       |        |
| 65        | 37.0  | 14.8  | 54.8   |
| 66        | 51.1  | 26.5  | 66.5   |





#11

bis(2-Chloroethyl)ether

Concen: 42.687 ng

RT: 6.710 min Scan# 786

Delta R.T. 0.000 min

Lab File: BF131246.D

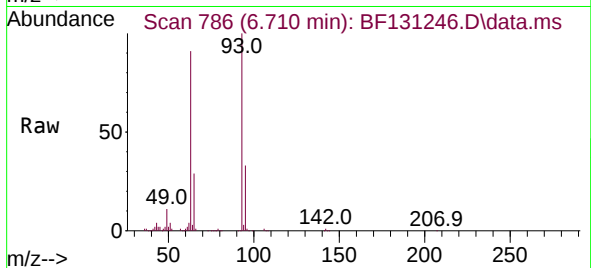
Acq: 15 Nov 2022 22:44

Instrument :

BNA\_F

ClientSampleId :

PB148948BS



Tgt Ion: 93 Resp: 261122

Ion Ratio Lower Upper

93 100

63 90.7 69.8 109.8

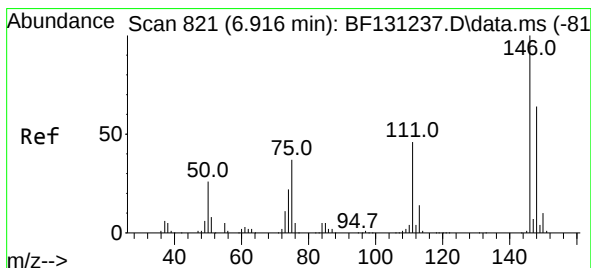
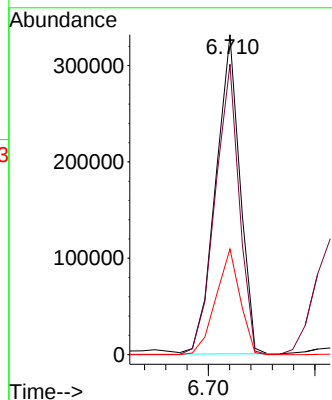
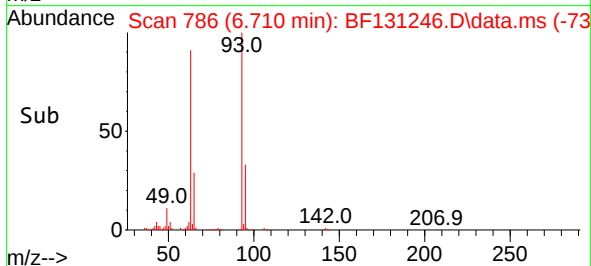
95 33.0 13.4 53.4

Manual Integrations

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Reviewed By :Christian Giraldo 11/16/2022

Supervised By :Jagrut Upadhyay 11/16/2022



#12

1,3-Dichlorobenzene

Concen: 41.911 ng

RT: 6.916 min Scan# 821

Delta R.T. 0.000 min

Lab File: BF131246.D

Acq: 15 Nov 2022 22:44

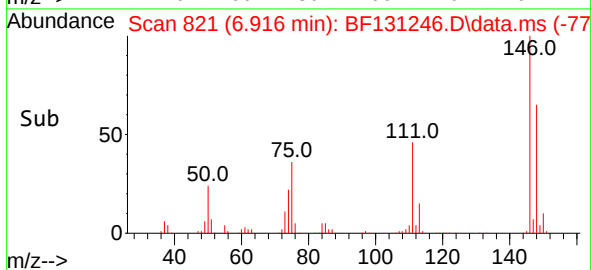
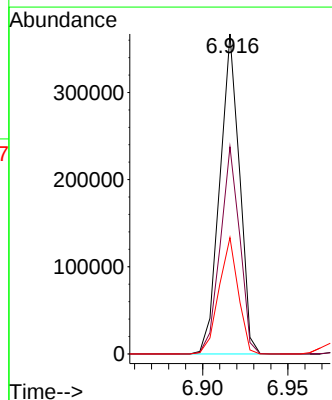
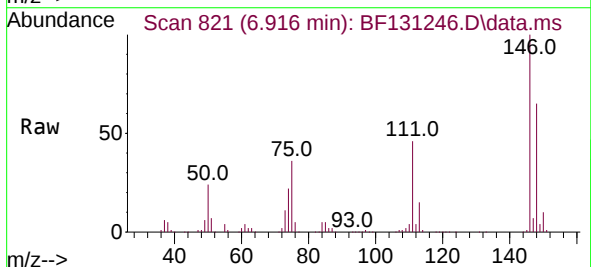
Tgt Ion:146 Resp: 293887

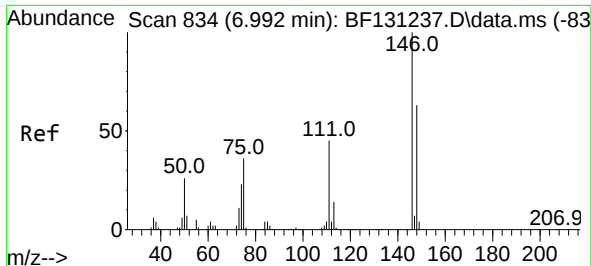
Ion Ratio Lower Upper

146 100

148 64.7 51.0 76.6

75 36.3 29.2 43.8





#13

1,4-Dichlorobenzene

Concen: 41.355 ng

RT: 6.992 min Scan# 834

Delta R.T. 0.000 min

Lab File: BF131246.D

Acq: 15 Nov 2022 22:44

Instrument :

BNA\_F

ClientSampleId :

PB148948BS

Tgt Ion:146 Resp: 293276

Ion Ratio Lower Upper

146 100

148 62.8 50.1 75.1

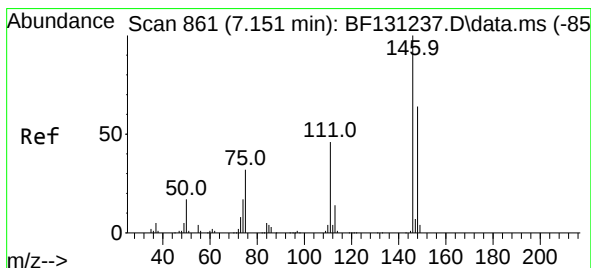
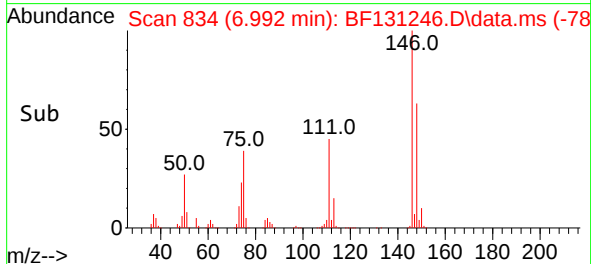
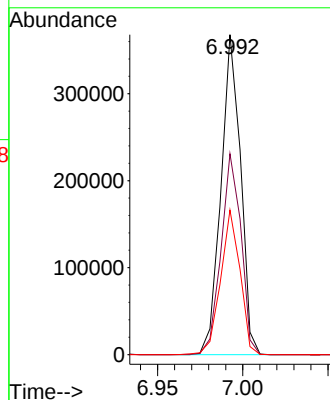
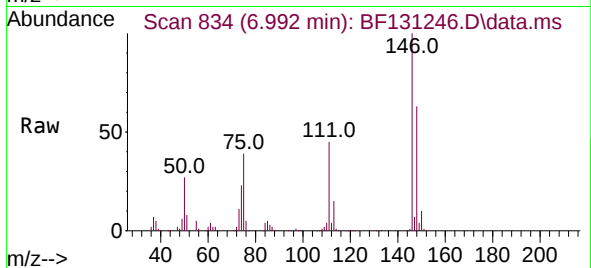
111 45.2 36.3 54.5

Manual Integrations

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Reviewed By :Christian Giraldo 11/16/2022

Supervised By :Jagrut Upadhyay 11/16/2022



#14

1,2-Dichlorobenzene

Concen: 43.356 ng

RT: 7.145 min Scan# 860

Delta R.T. -0.006 min

Lab File: BF131246.D

Acq: 15 Nov 2022 22:44

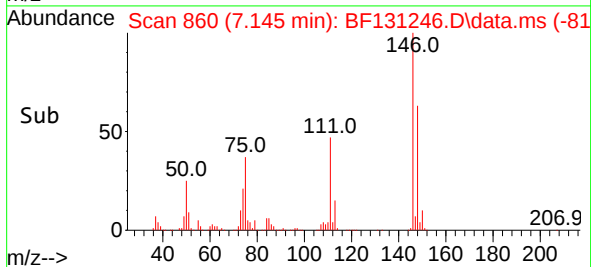
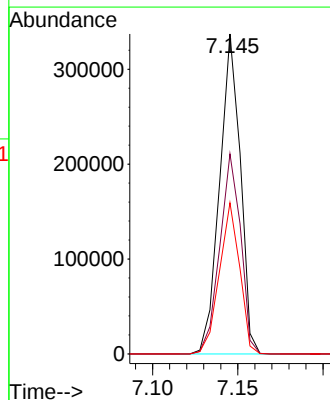
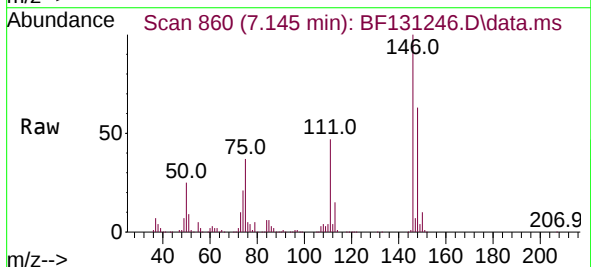
Tgt Ion:146 Resp: 284179

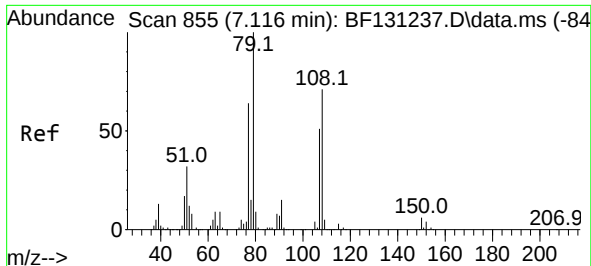
Ion Ratio Lower Upper

146 100

148 62.5 51.0 76.6

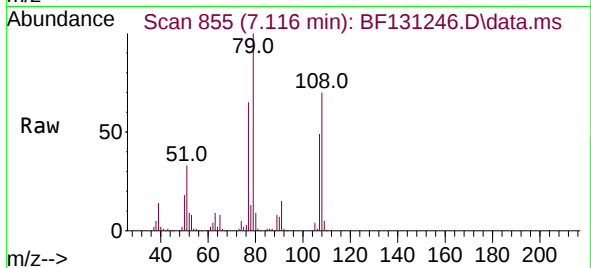
111 47.2 36.9 55.3





#15  
Benzyl Alcohol  
Concen: 39.344 ng m  
RT: 7.116 min Scan# 855  
Delta R.T. 0.000 min  
Lab File: BF131246.D  
Acq: 15 Nov 2022 22:44

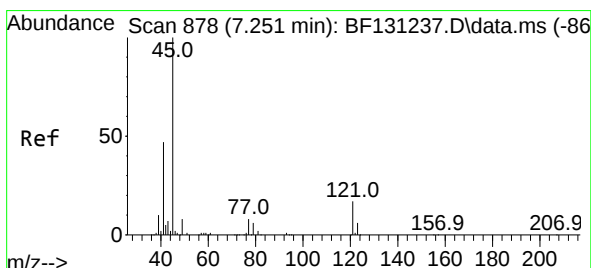
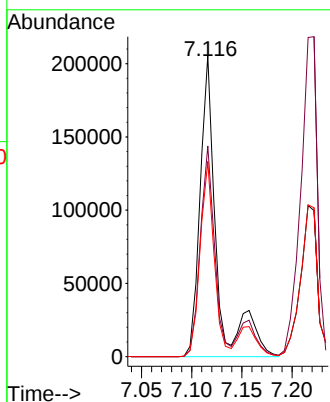
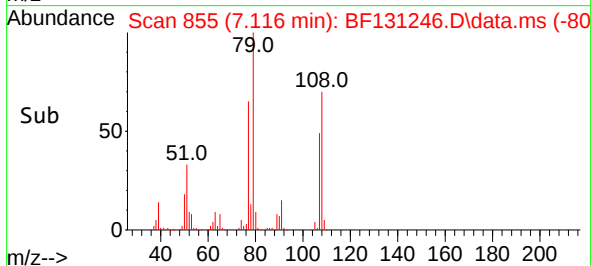
Instrument :  
BNA\_F  
ClientSampleId :  
PB148948BS



Tgt Ion: 79 Resp: 238674  
Ion Ratio Lower Upper  
79 100  
108 69.9 56.7 85.1  
77 64.8 51.4 77.2

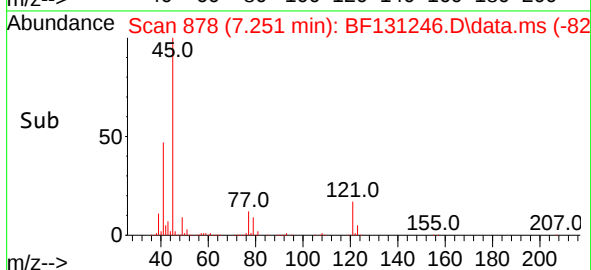
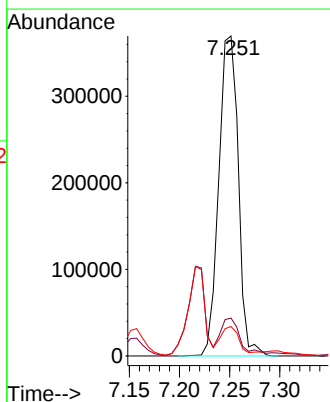
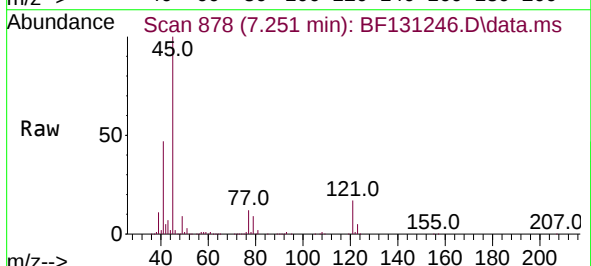
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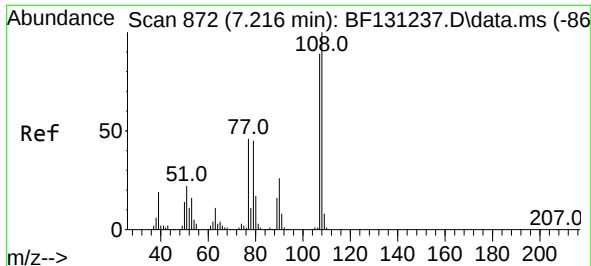
Reviewed By :Christian Giraldo 11/16/2022  
Supervised By :Jagrut Upadhyay 11/16/2022



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 43.437 ng  
RT: 7.251 min Scan# 878  
Delta R.T. 0.000 min  
Lab File: BF131246.D  
Acq: 15 Nov 2022 22:44

Tgt Ion: 45 Resp: 500482  
Ion Ratio Lower Upper  
45 100  
77 11.8 0.0 31.0  
79 9.2 0.0 28.5





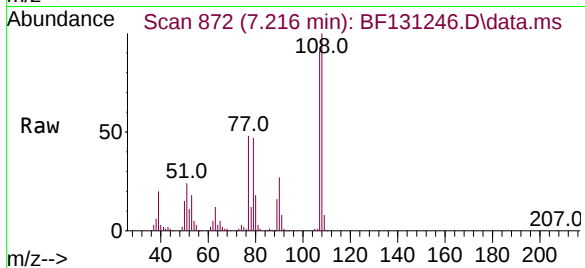
#17  
2-Methylphenol  
Concen: 42.987 ng  
RT: 7.216 min Scan# 872  
Delta R.T. 0.000 min  
Lab File: BF131246.D  
Acq: 15 Nov 2022 22:44

Instrument :

BNA\_F

ClientSampleId :

PB148948BS

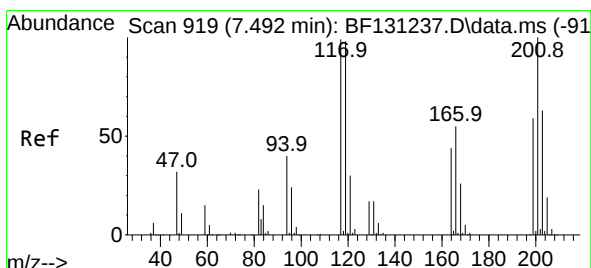
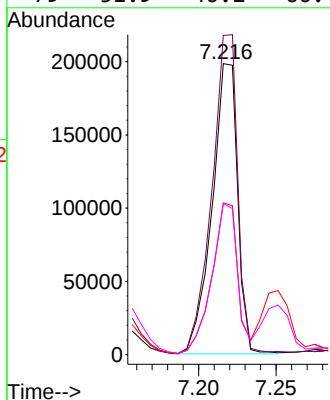
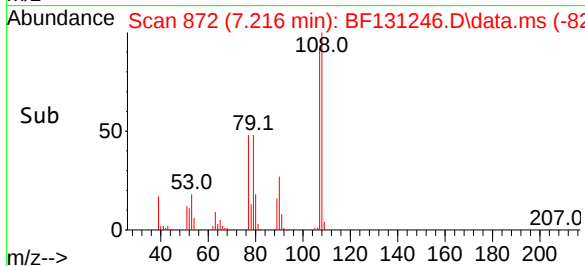


Tgt Ion:107 Resp: 227476  
Ion Ratio Lower Upper  
107 100  
108 109.7 89.8 134.6  
77 52.1 41.4 62.0  
79 51.9 40.2 60.4

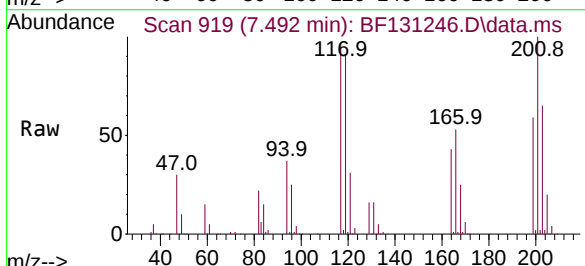
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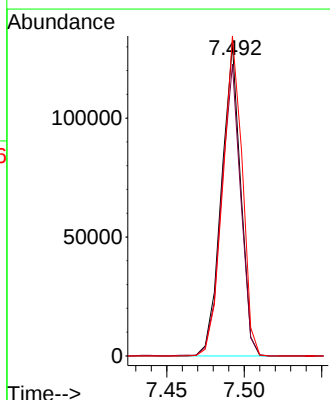
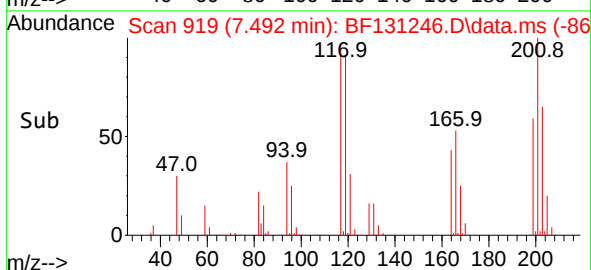
Reviewed By :Christian Giraldo 11/16/2022  
Supervised By :Jagrut Upadhyay 11/16/2022

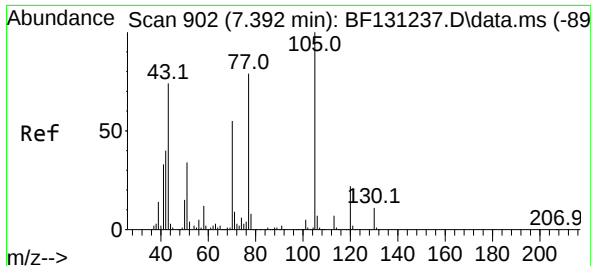


#18  
Hexachloroethane  
Concen: 43.748 ng  
RT: 7.492 min Scan# 919  
Delta R.T. 0.000 min  
Lab File: BF131246.D  
Acq: 15 Nov 2022 22:44



Tgt Ion:117 Resp: 112788  
Ion Ratio Lower Upper  
117 100  
119 93.6 79.0 118.6  
201 102.7 80.9 121.3





#19

n-Nitroso-di-n-propylamine

Concen: 42.127 ng

RT: 7.392 min Scan# 902

Delta R.T. 0.000 min

Lab File: BF131246.D

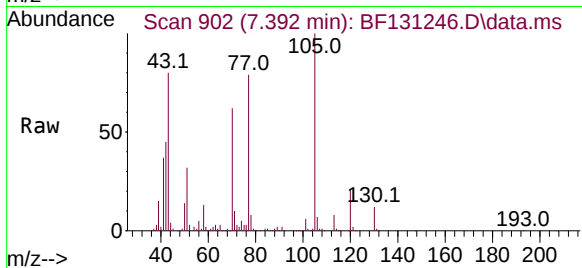
Acq: 15 Nov 2022 22:44

Instrument :

BNA\_F

ClientSampleId :

PB148948BS



Tgt Ion: 70 Resp: 20500

Ion Ratio Lower Upper

70 100

42 72.8 58.3 87.5

101 9.0 7.2 10.8

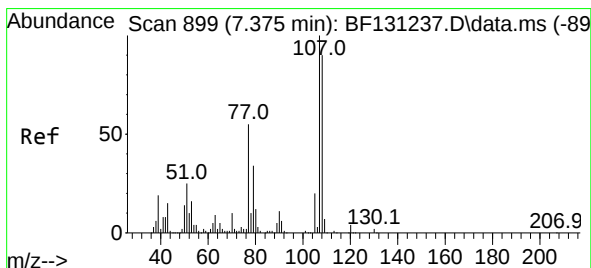
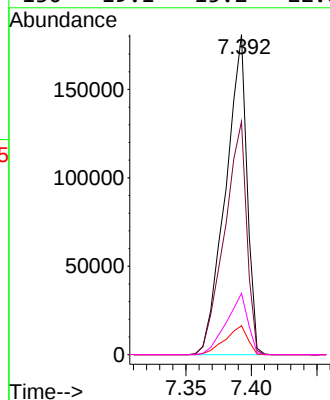
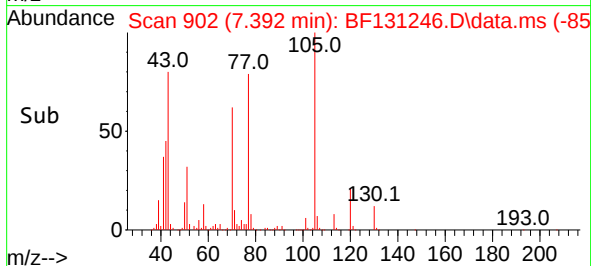
130 19.1 15.2 22.8

Manual Integrations

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Reviewed By :Christian Giraldo 11/16/2022

Supervised By :Jagrut Upadhyay 11/16/2022



#20

3+4-Methylphenols

Concen: 41.333 ng

RT: 7.375 min Scan# 899

Delta R.T. 0.000 min

Lab File: BF131246.D

Acq: 15 Nov 2022 22:44

Tgt Ion:107 Resp: 282907

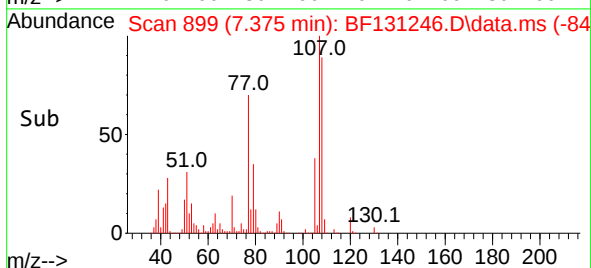
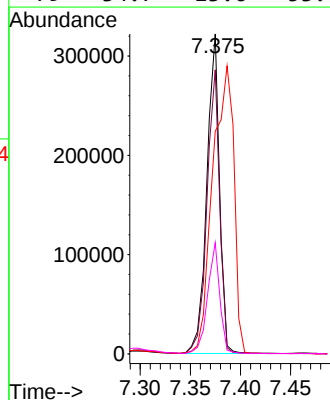
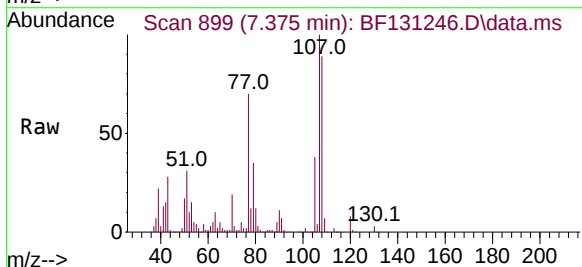
Ion Ratio Lower Upper

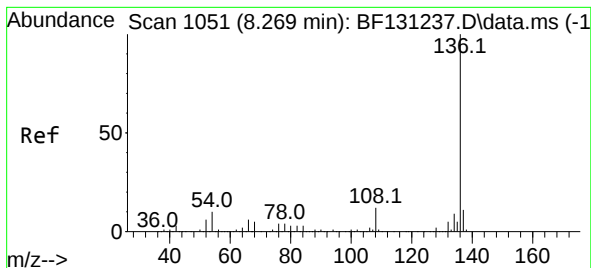
107 100

108 88.8 69.5 109.5

77 69.6 35.3 75.3

79 34.7 13.6 53.6





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.269 min Scan# 1051

Delta R.T. -0.000 min

Lab File: BF131246.D

Acq: 15 Nov 2022 22:44

Instrument :

BNA\_F

ClientSampleId :

PB148948BS

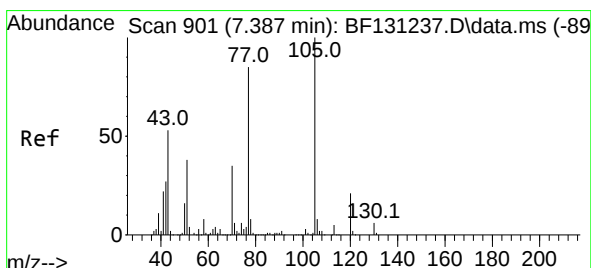
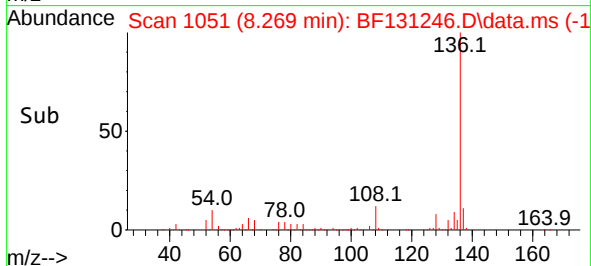
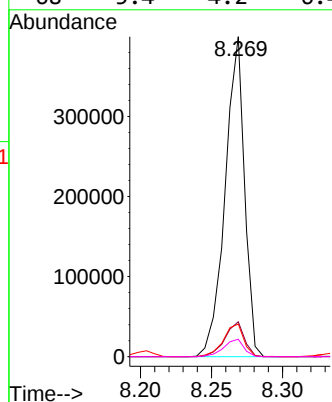
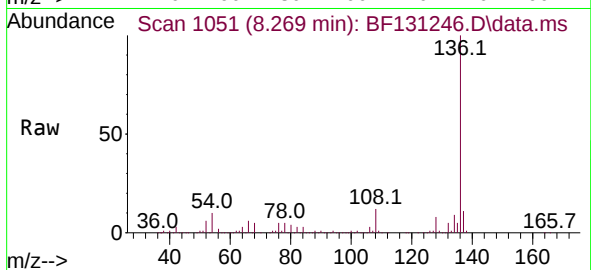
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 136   | Resp: | 37988 |
| Ion Ratio | Lower | Upper |       |
| 136       | 100   |       |       |
| 137       | 10.9  | 8.5   | 12.7  |
| 54        | 10.2  | 7.8   | 11.8  |
| 68        | 5.4   | 4.2   | 6.4   |

Manual Integrations

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Reviewed By :Christian Giraldo 11/16/2022

Supervised By :Jagrut Upadhyay 11/16/2022



#22

Acetophenone

Concen: 39.951 ng

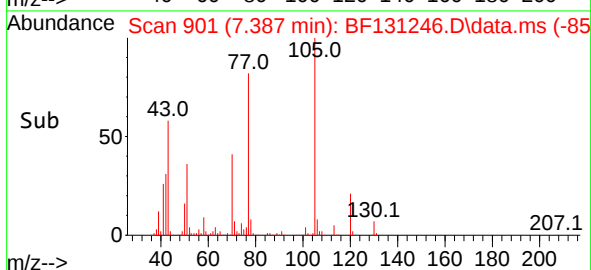
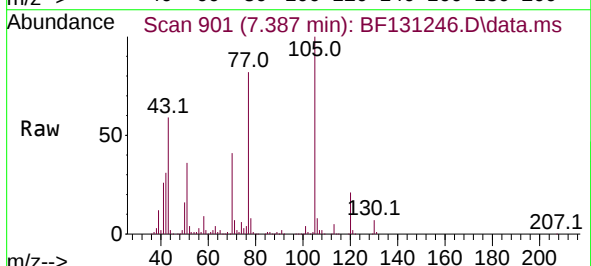
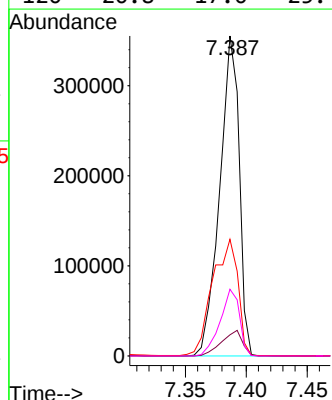
RT: 7.387 min Scan# 901

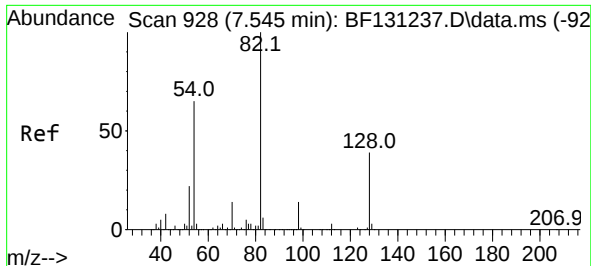
Delta R.T. 0.000 min

Lab File: BF131246.D

Acq: 15 Nov 2022 22:44

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 395610 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 71        | 6.6   | 4.7   | 7.1    |
| 51        | 36.4  | 30.2  | 45.2   |
| 120       | 20.8  | 17.0  | 25.4   |





#23

Nitrobenzene-d5

Concen: 83.540 ng

RT: 7.545 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF131246.D

Acq: 15 Nov 2022 22:44

Instrument :

BNA\_F

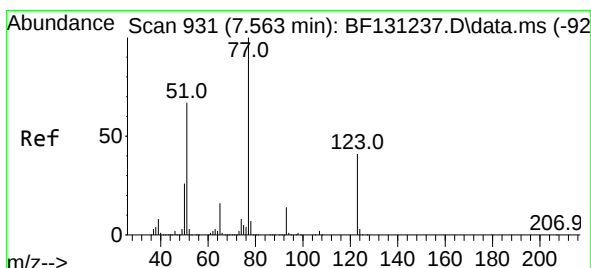
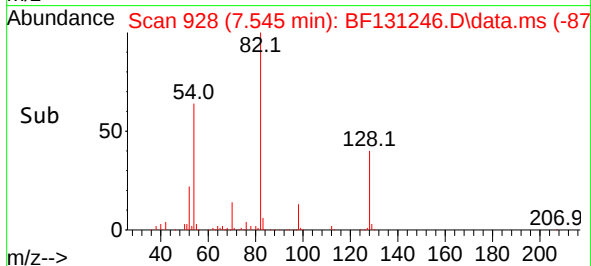
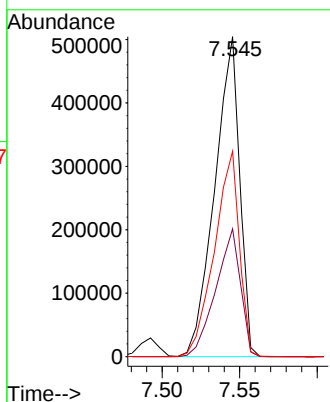
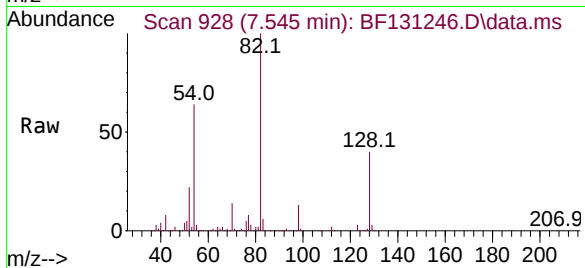
ClientSampleId :

PB148948BS

Tgt Ion: 82 Resp: 565388  
 Ion Ratio Lower Upper  
 82 100  
 128 39.9 31.1 46.7  
 54 64.2 51.8 77.6

Manual Integrations  
 APPROVED

Reviewed By :Christian Giraldo 11/16/2022  
 Supervised By :Jagrut Upadhyay 11/16/2022



#24

Nitrobenzene

Concen: 42.095 ng

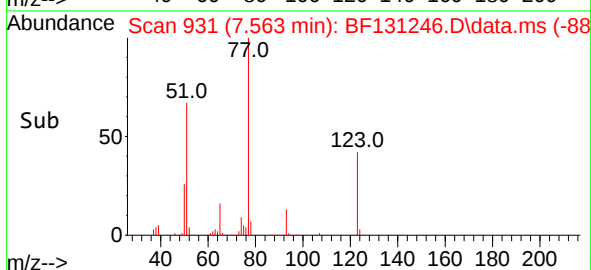
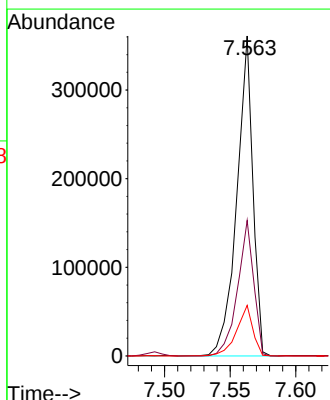
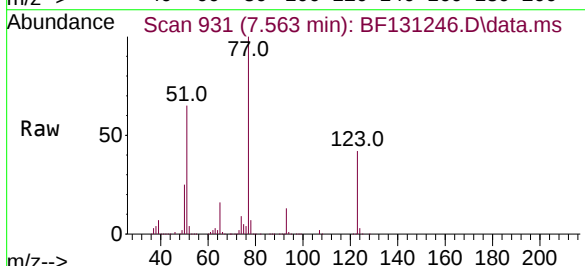
RT: 7.563 min Scan# 931

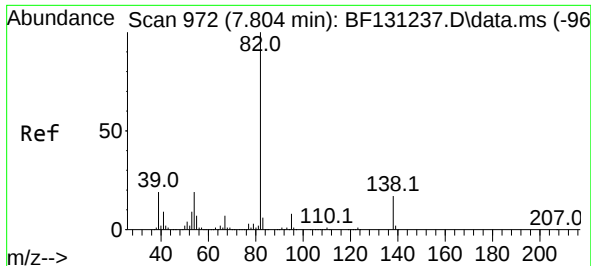
Delta R.T. 0.000 min

Lab File: BF131246.D

Acq: 15 Nov 2022 22:44

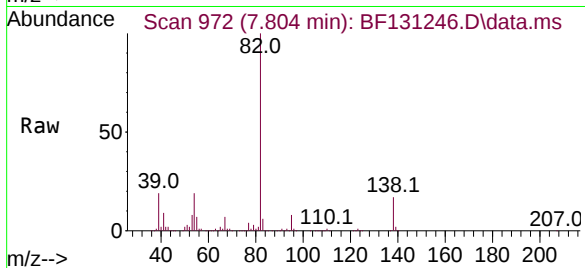
Tgt Ion: 77 Resp: 307553  
 Ion Ratio Lower Upper  
 77 100  
 123 42.3 33.2 49.8  
 65 15.8 13.0 19.4





#25  
Isophorone  
Concen: 41.397 ng  
RT: 7.804 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BF131246.D  
Acq: 15 Nov 2022 22:44

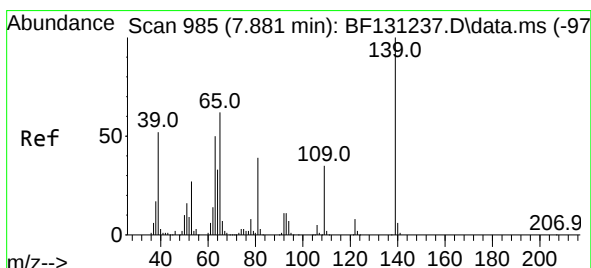
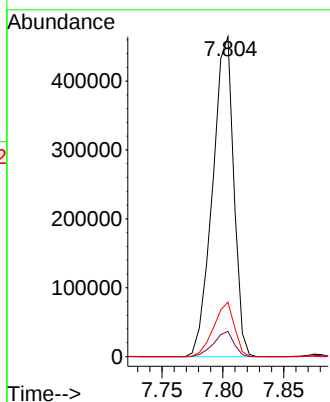
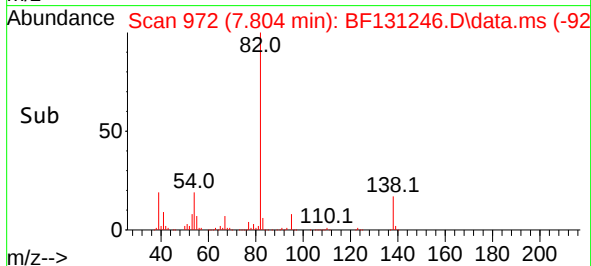
Instrument :  
BNA\_F  
ClientSampleId :  
PB148948BS



Tgt Ion: 82 Resp: 559719  
Ion Ratio Lower Upper  
82 100  
95 7.9 6.2 9.2  
138 17.0 13.4 20.0

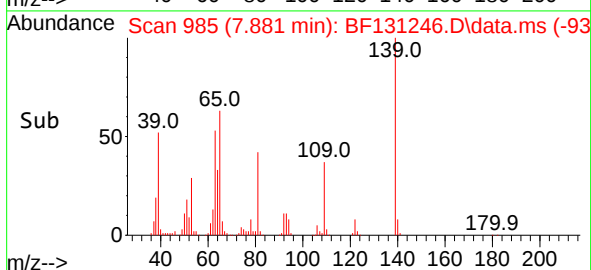
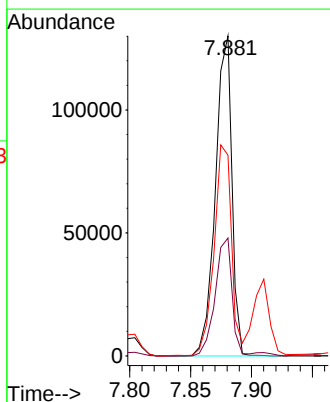
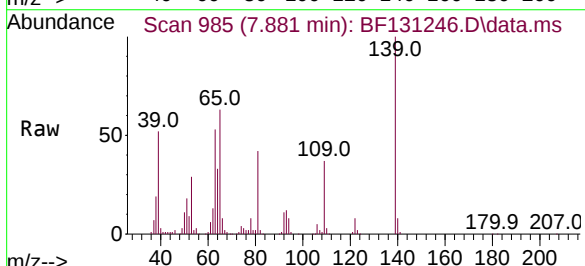
Manual Integrations  
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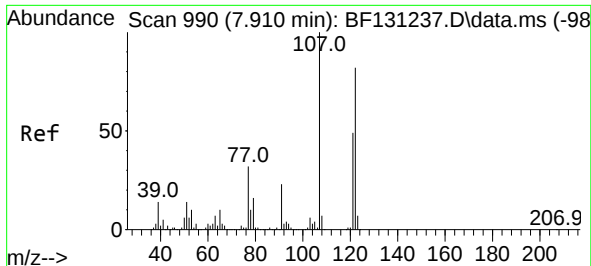
Reviewed By :Christian Giraldo 11/16/2022  
Supervised By :Jagrut Upadhyay 11/16/2022



#26  
2-Nitrophenol  
Concen: 42.305 ng  
RT: 7.881 min Scan# 985  
Delta R.T. -0.000 min  
Lab File: BF131246.D  
Acq: 15 Nov 2022 22:44

Tgt Ion:139 Resp: 122175  
Ion Ratio Lower Upper  
139 100  
109 36.8 28.0 42.0  
65 62.7 49.3 73.9





#27

2,4-Dimethylphenol

Concen: 45.700 ng

RT: 7.910 min Scan# 990

Delta R.T. 0.000 min

Lab File: BF131246.D

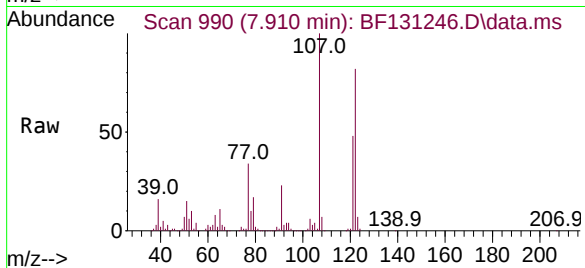
Acq: 15 Nov 2022 22:44

Instrument :

BNA\_F

ClientSampleId :

PB148948BS



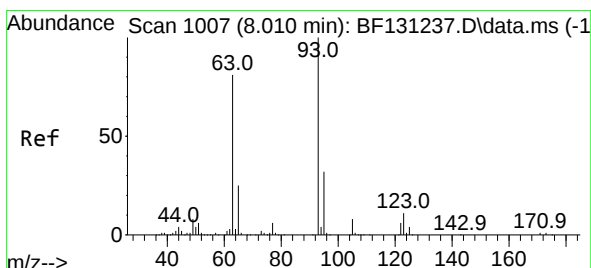
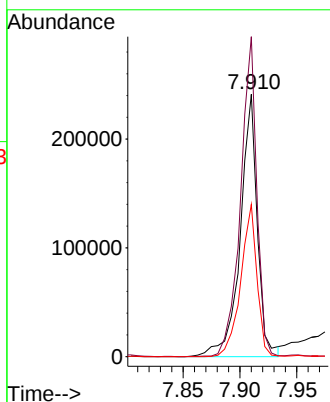
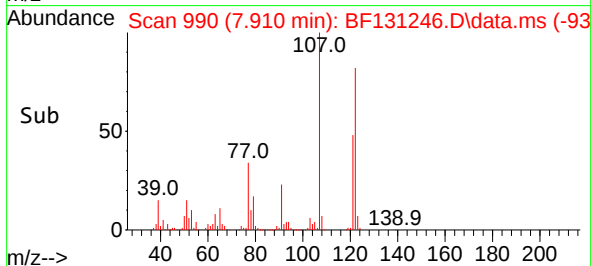
| Tgt Ion: | 122   | Resp: | 25291 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 122      | 100   |       |       |
| 107      | 122.0 | 97.1  | 145.7 |
| 121      | 58.0  | 47.5  | 71.3  |

Manual Integrations

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Reviewed By :Christian Giraldo 11/16/2022

Supervised By :Jagrut Upadhyay 11/16/2022



#28

bis(2-Chloroethoxy)methane

Concen: 42.040 ng

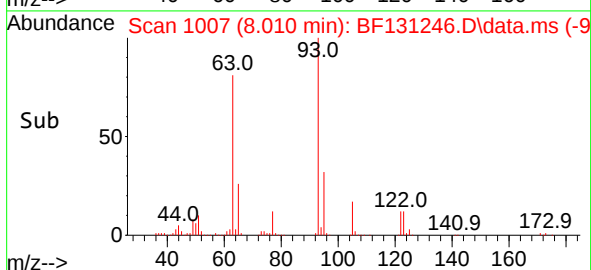
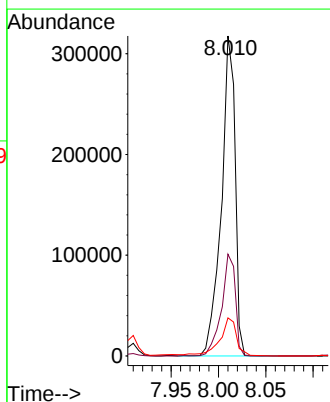
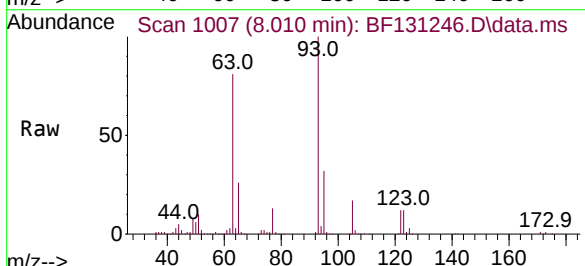
RT: 8.010 min Scan# 1007

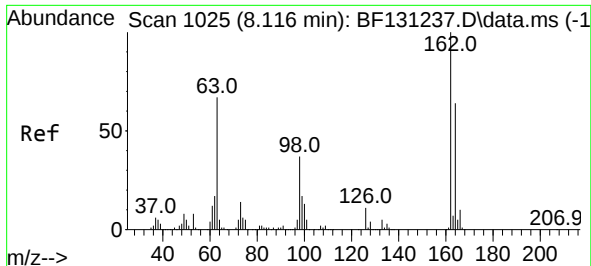
Delta R.T. 0.000 min

Lab File: BF131246.D

Acq: 15 Nov 2022 22:44

| Tgt Ion: | 93    | Resp: | 320468 |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 95       | 31.8  | 25.7  | 38.5   |
| 123      | 11.9  | 9.2   | 13.8   |





#29

2,4-Dichlorophenol

Concen: 39.265 ng

RT: 8.116 min Scan# 1025

Delta R.T. 0.000 min

Lab File: BF131246.D

Acq: 15 Nov 2022 22:44

Instrument :

BNA\_F

ClientSampleId :

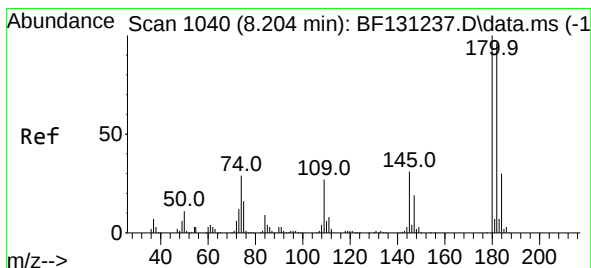
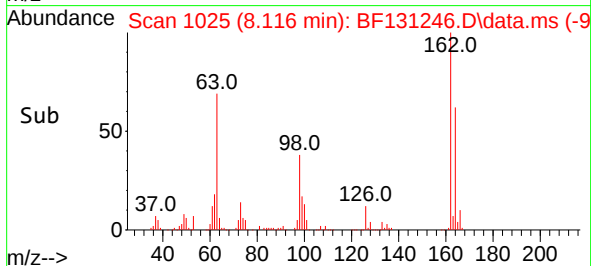
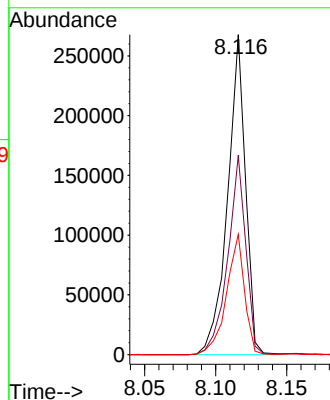
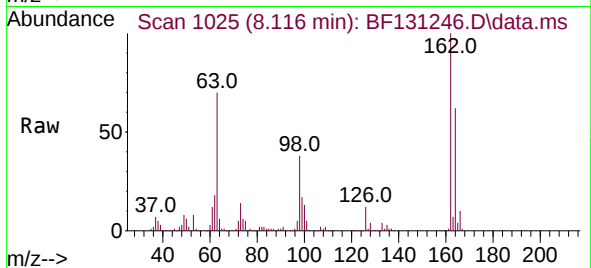
PB148948BS

Tgt Ion:162 Resp: 234998  
 Ion Ratio Lower Upper  
 162 100  
 164 62.3 43.5 83.5  
 98 37.6 17.2 57.2

Manual Integrations

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Reviewed By :Christian Giraldo 11/16/2022  
 Supervised By :Jagrut Upadhyay 11/16/2022



#30

1,2,4-Trichlorobenzene

Concen: 38.149 ng

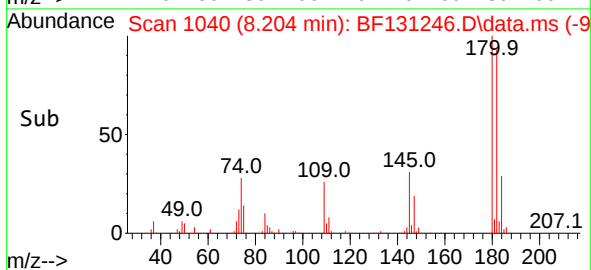
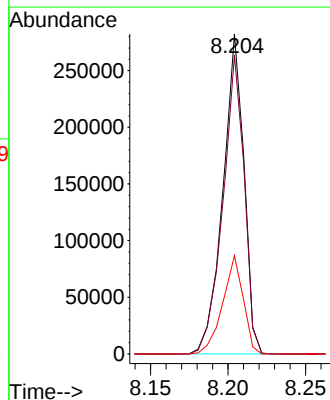
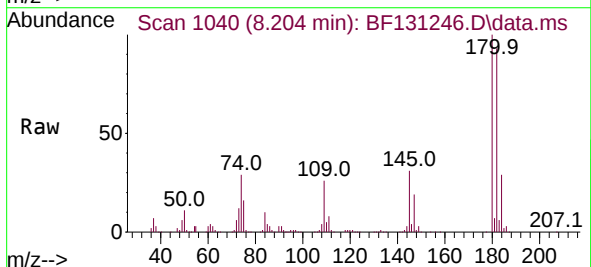
RT: 8.204 min Scan# 1040

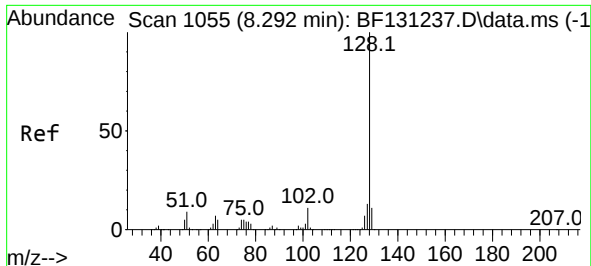
Delta R.T. 0.000 min

Lab File: BF131246.D

Acq: 15 Nov 2022 22:44

Tgt Ion:180 Resp: 267690  
 Ion Ratio Lower Upper  
 180 100  
 182 93.4 76.6 115.0  
 145 30.7 24.8 37.2





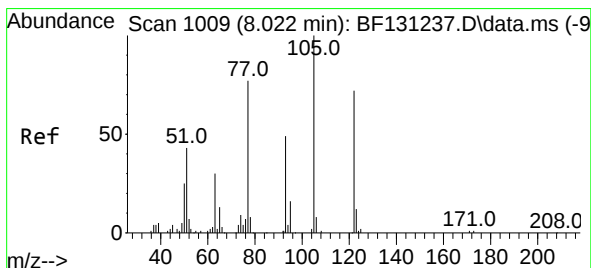
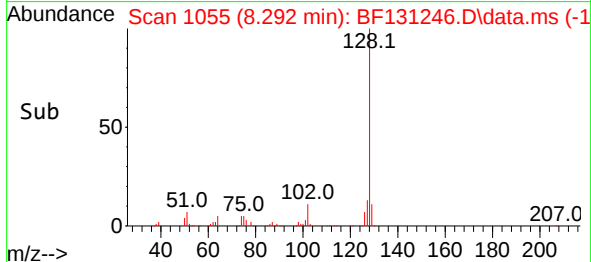
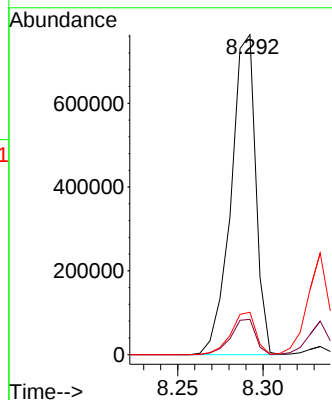
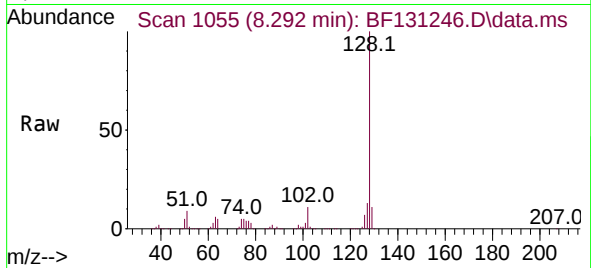
#31  
Naphthalene  
Concen: 37.418 ng  
RT: 8.292 min Scan# 1055  
Delta R.T. 0.000 min  
Lab File: BF131246.D  
Acq: 15 Nov 2022 22:44

Instrument :  
BNA\_F  
ClientSampleId :  
PB148948BS

Tgt Ion:128 Resp: 770101  
Ion Ratio Lower Upper  
128 100  
129 11.0 8.4 12.6  
127 13.2 10.3 15.5

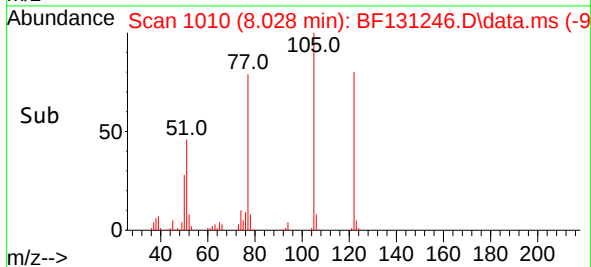
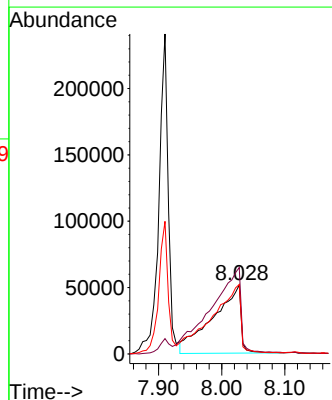
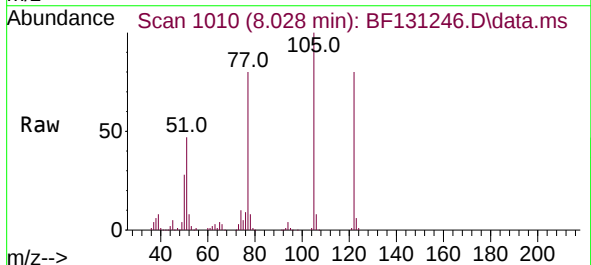
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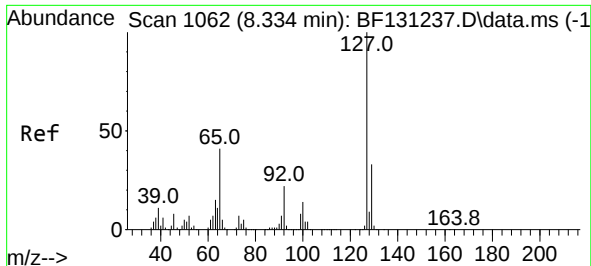
Reviewed By :Christian Giraldo 11/16/2022  
Supervised By :Jagrut Upadhyay 11/16/2022



#32  
Benzoic acid  
Concen: 40.825 ng  
RT: 8.028 min Scan# 1010  
Delta R.T. 0.006 min  
Lab File: BF131246.D  
Acq: 15 Nov 2022 22:44

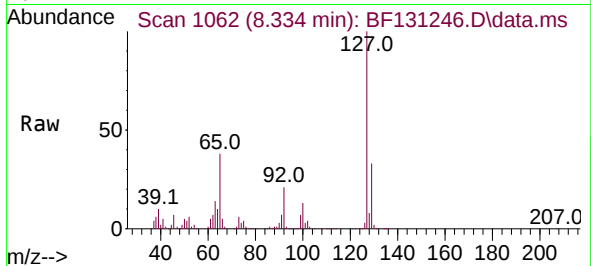
Tgt Ion:122 Resp: 158983  
Ion Ratio Lower Upper  
122 100  
105 125.3 116.9 156.9  
77 100.6 86.9 126.9





#33  
4-Chloroaniline  
Concen: 26.034 ng  
RT: 8.334 min Scan# 1062  
Delta R.T. 0.000 min  
Lab File: BF131246.D  
Acq: 15 Nov 2022 22:44

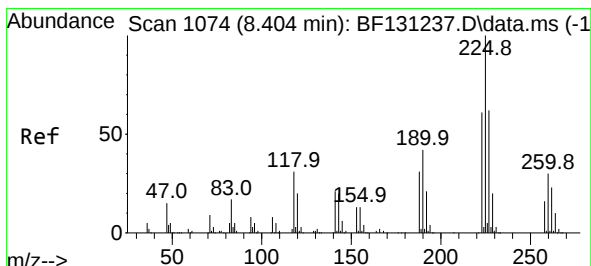
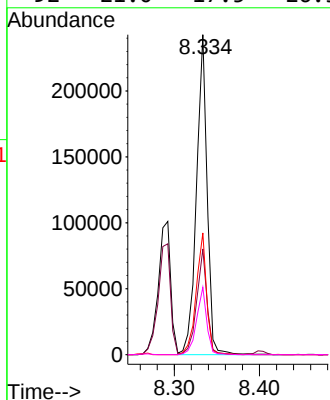
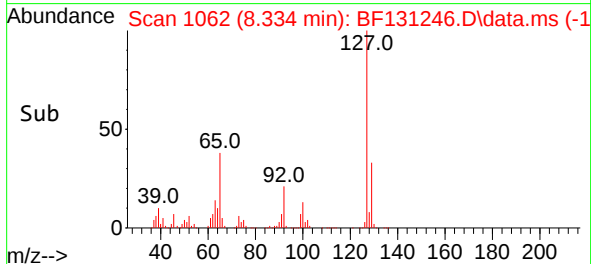
Instrument :  
BNA\_F  
ClientSampleId :  
PB148948BS



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 127     | 100   |       |       |
| 129     | 33.0  | 26.0  | 39.0  |
| 65      | 38.0  | 32.6  | 48.8  |
| 92      | 21.0  | 17.5  | 26.3  |

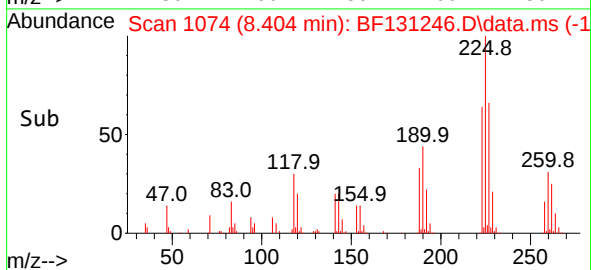
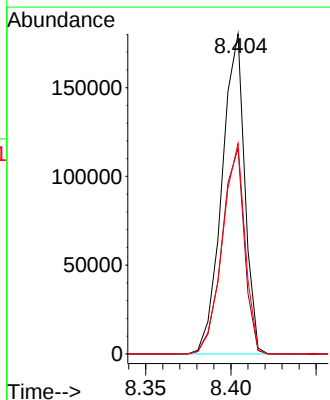
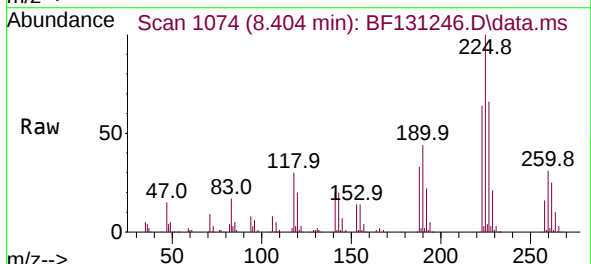
Manual Integrations  
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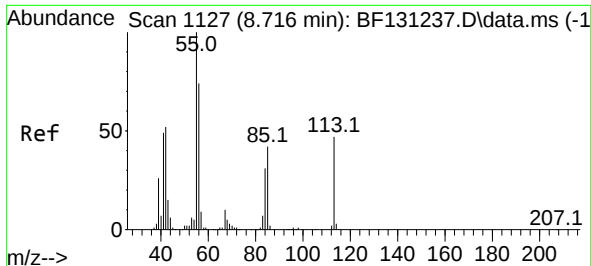
Reviewed By :Christian Giraldo 11/16/2022  
Supervised By :Jagrut Upadhyay 11/16/2022



#34  
Hexachlorobutadiene  
Concen: 37.703 ng  
RT: 8.404 min Scan# 1074  
Delta R.T. 0.000 min  
Lab File: BF131246.D  
Acq: 15 Nov 2022 22:44

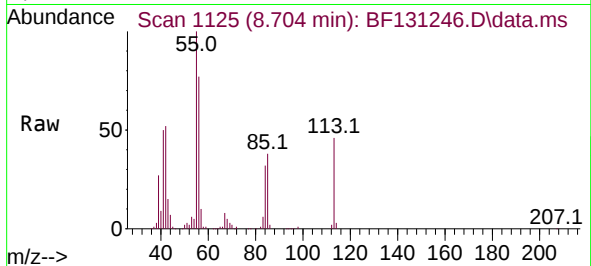
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 64.2  | 49.1  | 73.7  |
| 227     | 65.8  | 50.0  | 75.0  |





#35  
Caprolactam  
Concen: 42.442 ng m  
RT: 8.704 min Scan# 1127  
Delta R.T. -0.012 min  
Lab File: BF131246.D  
Acq: 15 Nov 2022 22:44

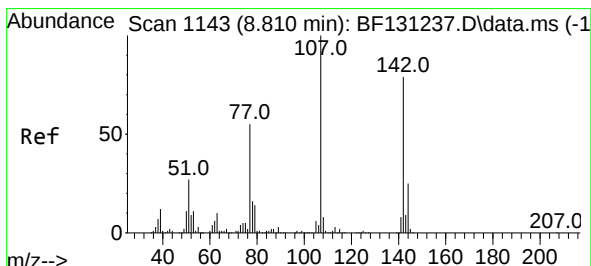
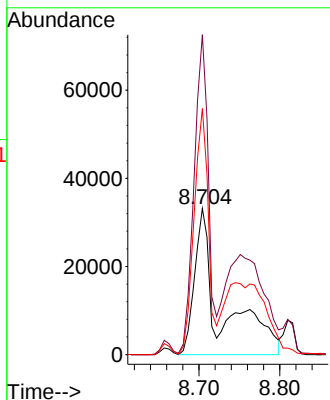
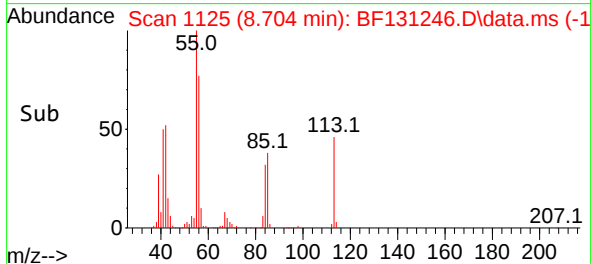
Instrument :  
BNA\_F  
ClientSampleId :  
PB148948BS



Tgt Ion:113 Resp: 75065  
Ion Ratio Lower Upper  
113 100  
55 218.8 193.2 233.2  
56 168.3 137.2 177.2

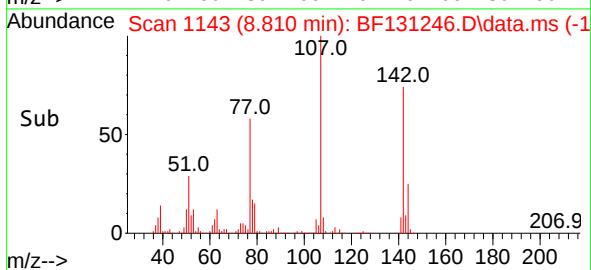
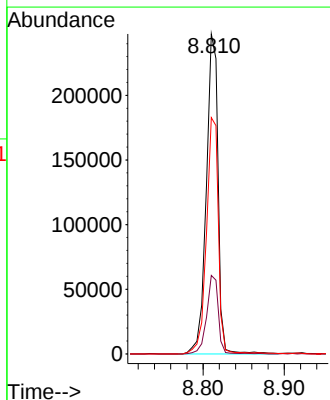
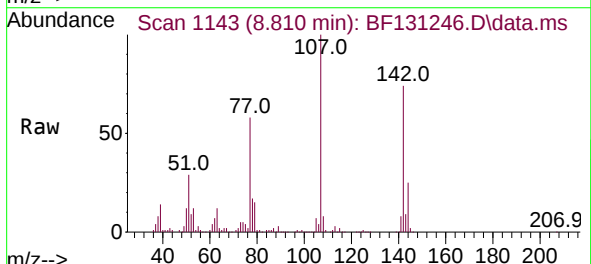
Manual Integrations  
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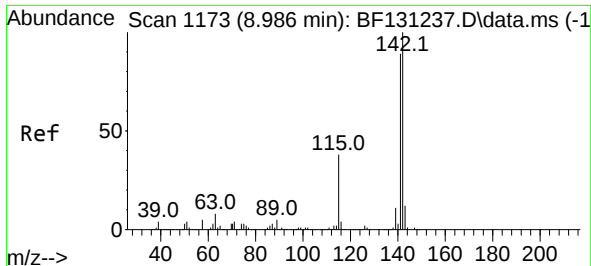
Reviewed By :Christian Giraldo 11/16/2022  
Supervised By :Jagrut Upadhyay 11/16/2022



#36  
4-Chloro-3-methylphenol  
Concen: 39.789 ng  
RT: 8.810 min Scan# 1143  
Delta R.T. 0.000 min  
Lab File: BF131246.D  
Acq: 15 Nov 2022 22:44

Tgt Ion:107 Resp: 250660  
Ion Ratio Lower Upper  
107 100  
144 24.5 20.2 30.2  
142 73.8 63.0 94.6





#37

2-Methylnaphthalene

Concen: 37.822 ng

RT: 8.986 min Scan# 1173

Delta R.T. 0.000 min

Lab File: BF131246.D

Acq: 15 Nov 2022 22:44

Instrument :

BNA\_F

ClientSampleId :

PB148948BS

Tgt Ion:142 Resp: 518428

Ion Ratio Lower Upper

142 100

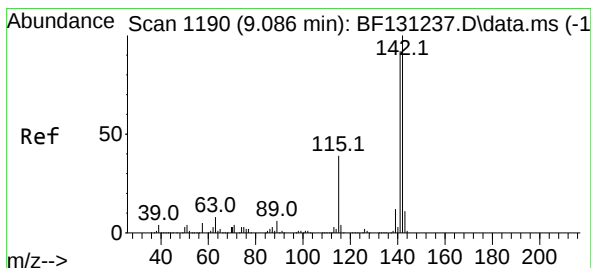
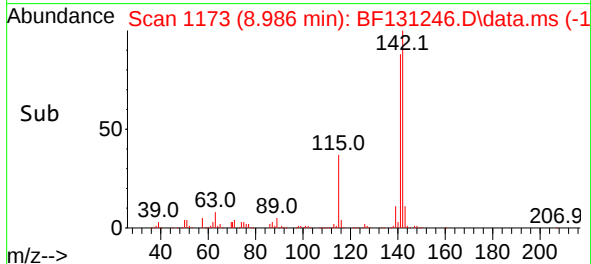
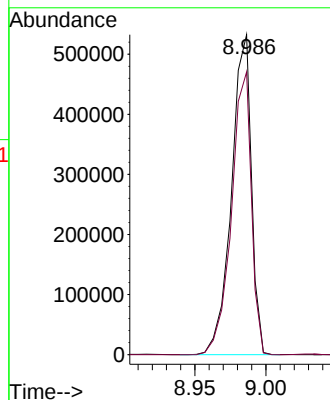
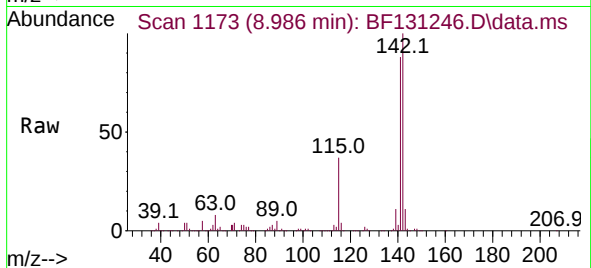
141 88.3 71.0 106.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/16/2022

Supervised By :Jagrut Upadhyay 11/16/2022



#38

1-Methylnaphthalene

Concen: 36.727 ng

RT: 9.086 min Scan# 1190

Delta R.T. 0.000 min

Lab File: BF131246.D

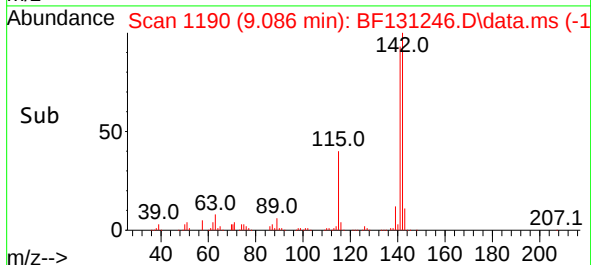
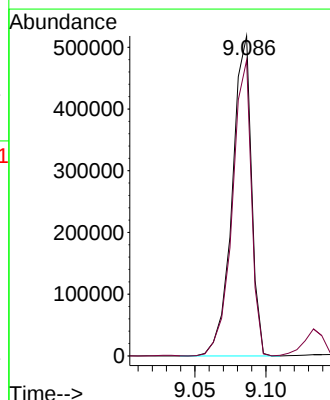
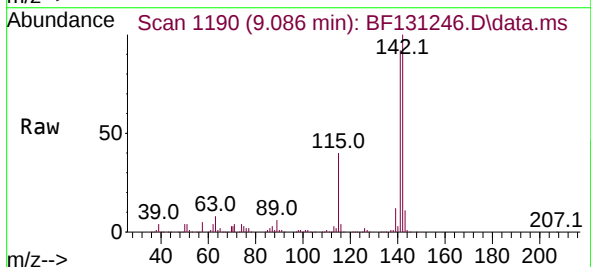
Acq: 15 Nov 2022 22:44

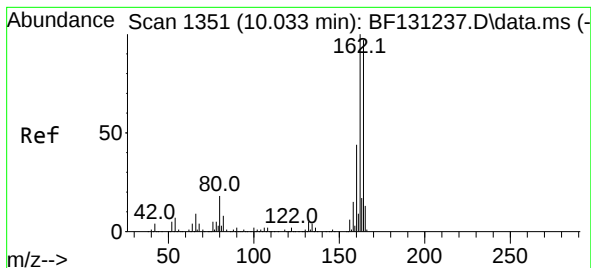
Tgt Ion:142 Resp: 488155

Ion Ratio Lower Upper

142 100

141 92.4 73.4 110.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.033 min Scan# 1351

Delta R.T. 0.000 min

Lab File: BF131246.D

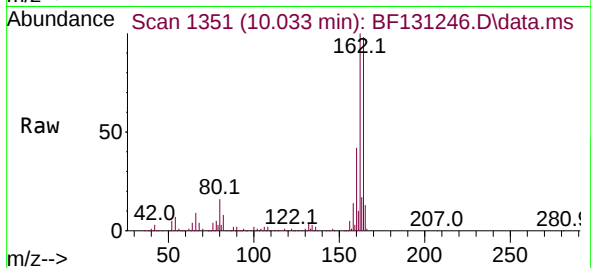
Acq: 15 Nov 2022 22:44

Instrument :

BNA\_F

ClientSampleId :

PB148948BS



Tgt Ion:164 Resp: 222045

Ion Ratio Lower Upper

164 100

162 102.3 82.1 123.1

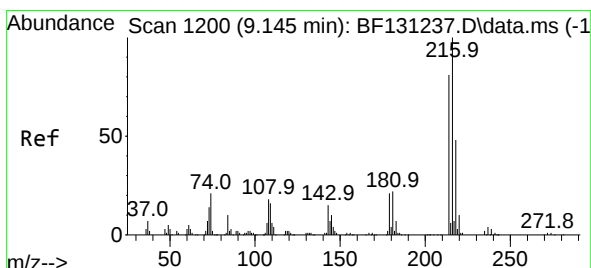
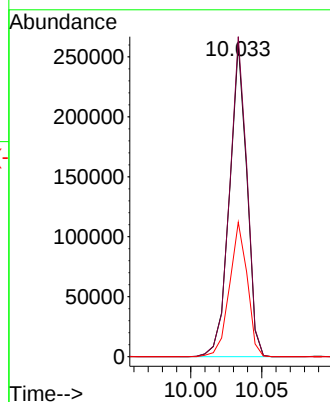
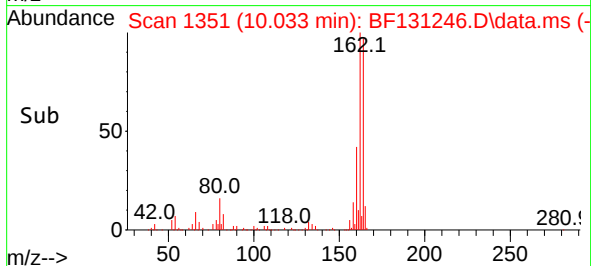
160 43.0 36.2 54.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/16/2022

Supervised By :Jagrut Upadhyay 11/16/2022



#40

1,2,4,5-Tetrachlorobenzene

Concen: 37.254 ng

RT: 9.151 min Scan# 1201

Delta R.T. 0.006 min

Lab File: BF131246.D

Acq: 15 Nov 2022 22:44

Tgt Ion:216 Resp: 266337

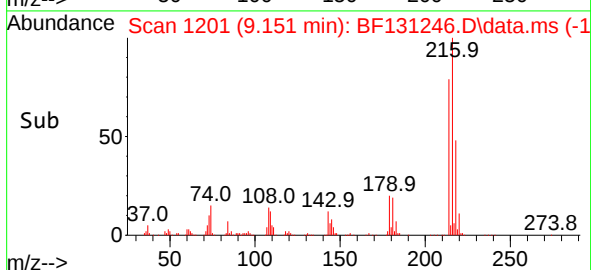
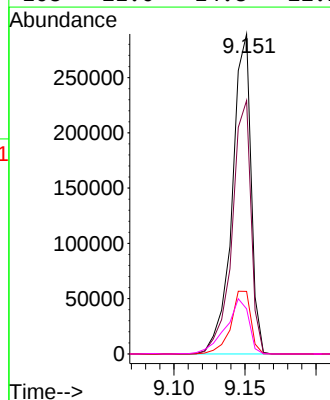
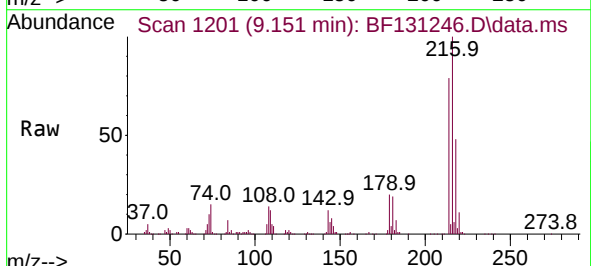
Ion Ratio Lower Upper

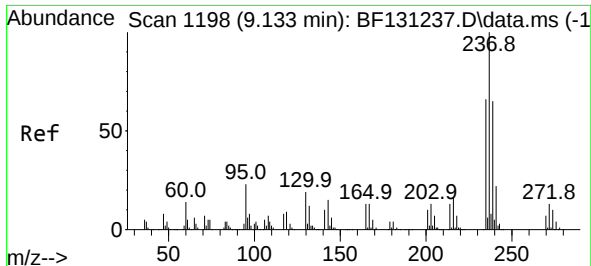
216 100

214 79.4 63.7 95.5

179 20.8 16.5 24.7

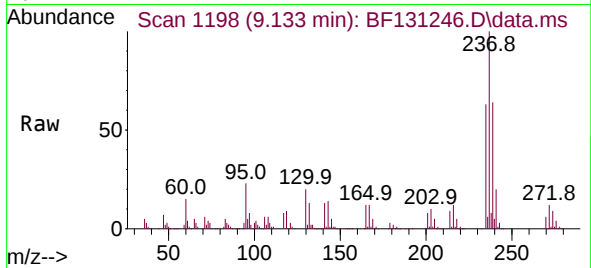
108 21.0 14.8 22.2





#41  
Hexachlorocyclopentadiene  
Concen: 92.441 ng  
RT: 9.133 min Scan# 1198  
Delta R.T. 0.000 min  
Lab File: BF131246.D  
Acq: 15 Nov 2022 22:44

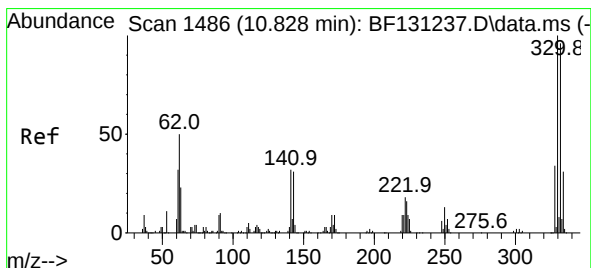
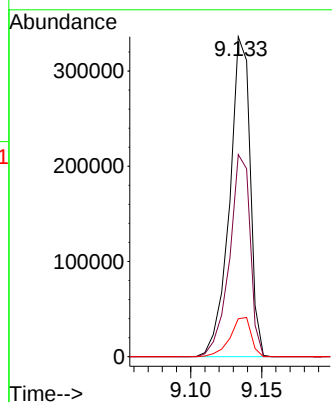
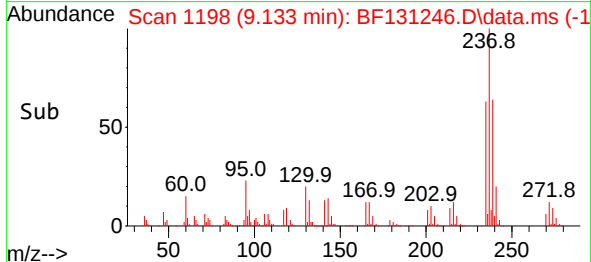
Instrument :  
BNA\_F  
ClientSampleId :  
PB148948BS



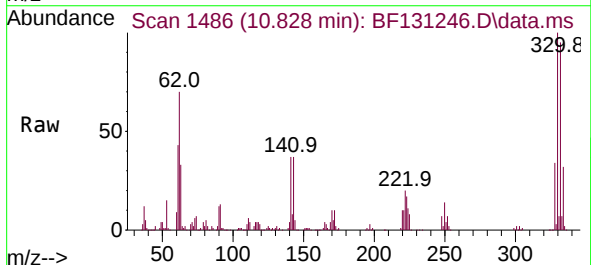
Tgt Ion: 237 Resp: 338730  
Ion Ratio Lower Upper  
237 100  
235 63.1 45.6 85.6  
272 11.8 0.0 32.6

Manual Integrations  
APPROVED

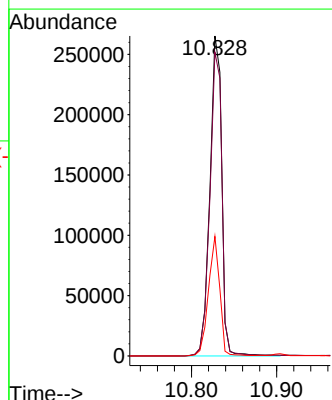
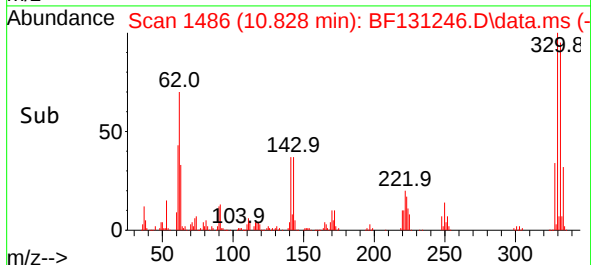
Reviewed By : Christian Giraldo 11/16/2022  
Supervised By : Jagrut Upadhyay 11/16/2022

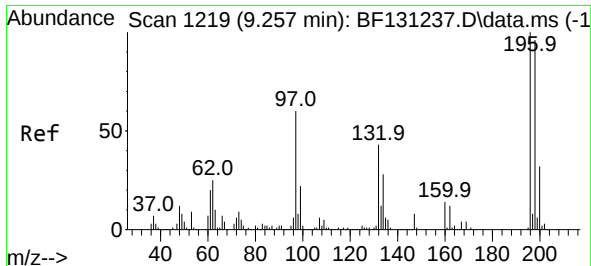


#42  
2,4,6-Tribromophenol  
Concen: 120.683 ng  
RT: 10.828 min Scan# 1486  
Delta R.T. -0.000 min  
Lab File: BF131246.D  
Acq: 15 Nov 2022 22:44



Tgt Ion: 330 Resp: 255969  
Ion Ratio Lower Upper  
330 100  
332 96.6 76.8 115.2  
141 35.7 29.6 44.4





#43

2,4,6-Trichlorophenol

Concen: 36.417 ng

RT: 9.257 min Scan# 1219

Delta R.T. 0.000 min

Lab File: BF131246.D

Acq: 15 Nov 2022 22:44

Instrument :

BNA\_F

ClientSampleId :

PB148948BS

Tgt Ion:196 Resp: 17021

Ion Ratio Lower Upper

196 100

198 94.3 76.5 114.7

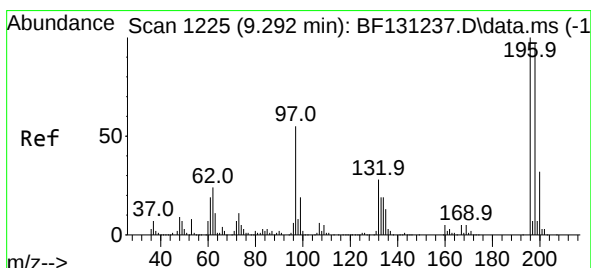
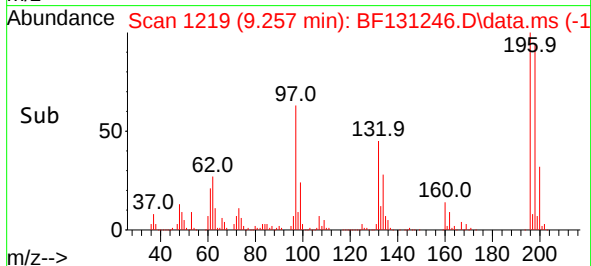
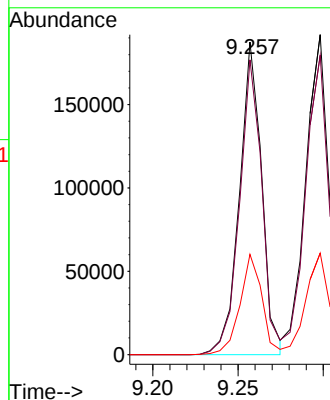
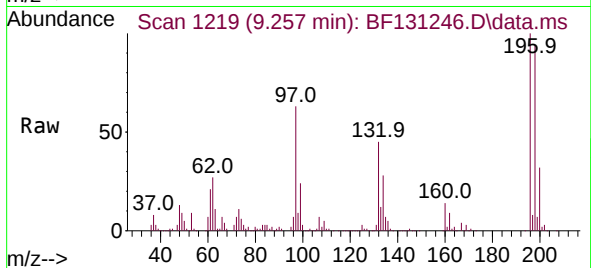
200 32.1 25.3 37.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/16/2022

Supervised By :Jagrut Upadhyay 11/16/2022



#44

2,4,5-Trichlorophenol

Concen: 37.494 ng

RT: 9.298 min Scan# 1226

Delta R.T. 0.006 min

Lab File: BF131246.D

Acq: 15 Nov 2022 22:44

Tgt Ion:196 Resp: 188066

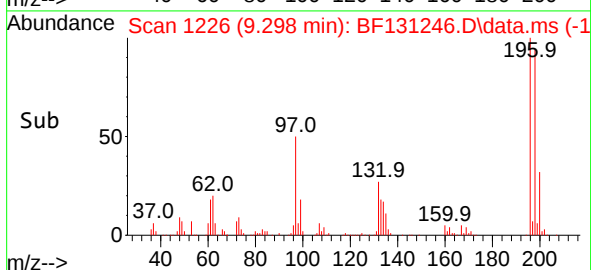
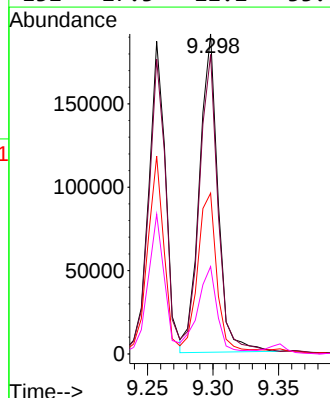
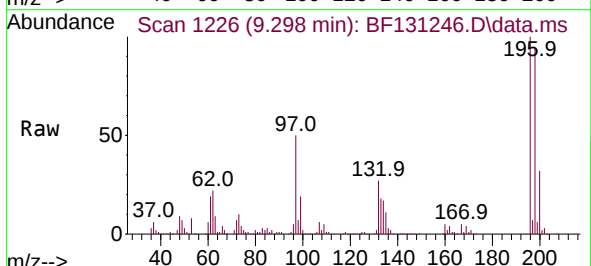
Ion Ratio Lower Upper

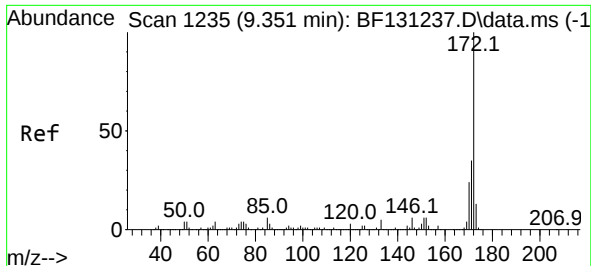
196 100

198 93.5 77.0 115.6

97 50.2 44.3 66.5

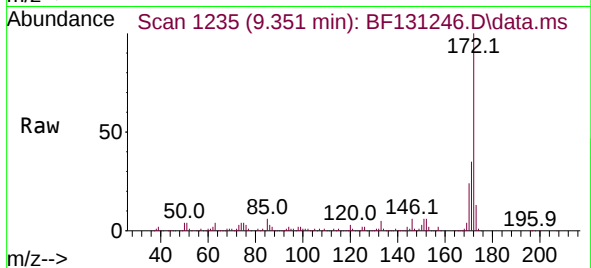
132 27.3 22.2 33.4





#45  
2-Fluorobiphenyl  
Concen: 70.083 ng  
RT: 9.351 min Scan# 1235  
Delta R.T. 0.000 min  
Lab File: BF131246.D  
Acq: 15 Nov 2022 22:44

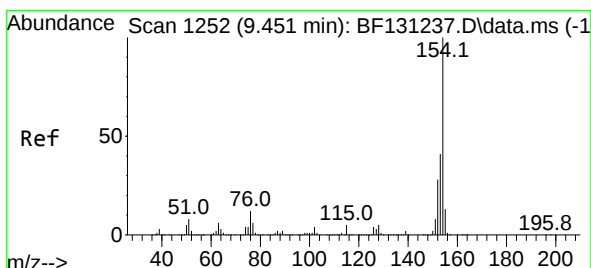
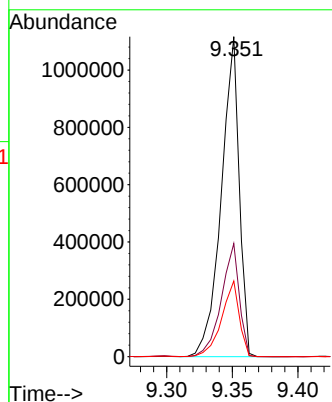
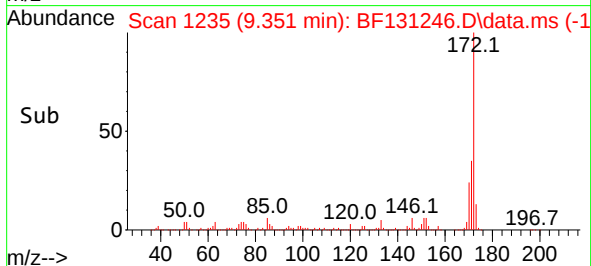
Instrument :  
BNA\_F  
ClientSampleId :  
PB148948BS



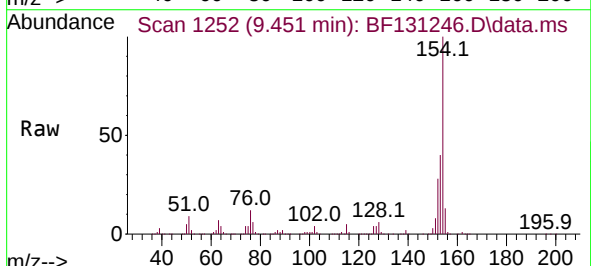
Tgt Ion:172 Resp: 106338  
Ion Ratio Lower Upper  
172 100  
171 35.3 28.2 42.2  
170 23.6 18.8 28.2

Manual Integrations  
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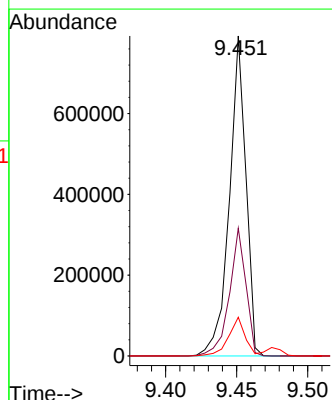
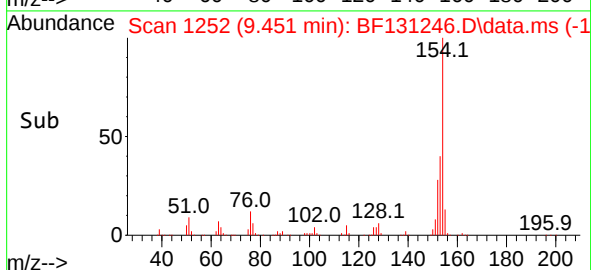
Reviewed By :Christian Giraldo 11/16/2022  
Supervised By :Jagrut Upadhyay 11/16/2022

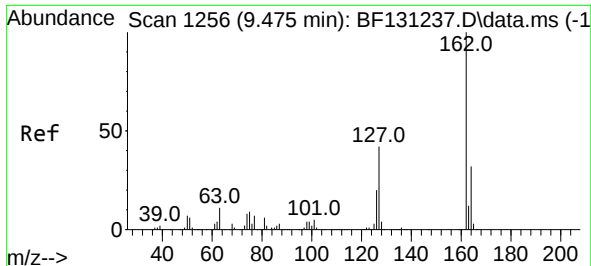


#46  
1,1'-Biphenyl  
Concen: 37.582 ng  
RT: 9.451 min Scan# 1252  
Delta R.T. 0.000 min  
Lab File: BF131246.D  
Acq: 15 Nov 2022 22:44



Tgt Ion:154 Resp: 641511  
Ion Ratio Lower Upper  
154 100  
153 39.9 20.8 60.8  
76 12.1 0.0 31.6





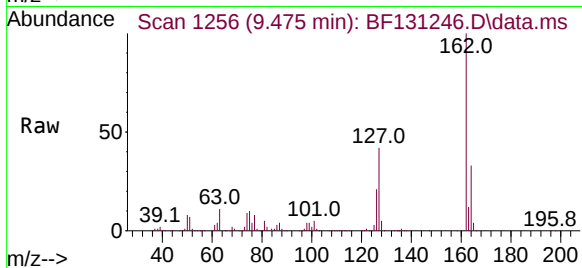
#47  
2-Chloronaphthalene  
Concen: 36.325 ng  
RT: 9.475 min Scan# 1256  
Delta R.T. 0.000 min  
Lab File: BF131246.D  
Acq: 15 Nov 2022 22:44

Instrument :

BNA\_F

ClientSampleId :

PB148948BS

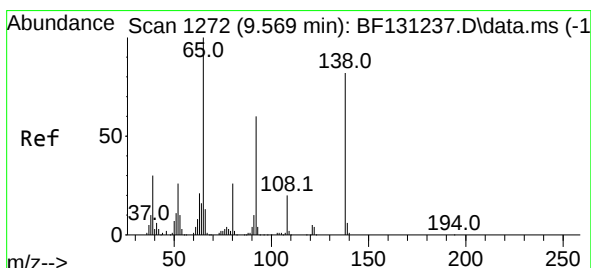
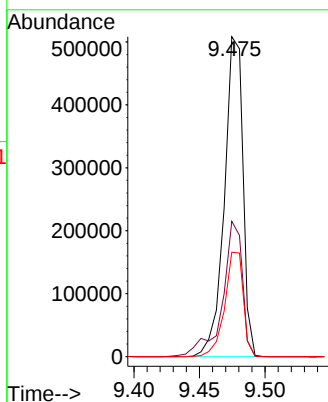
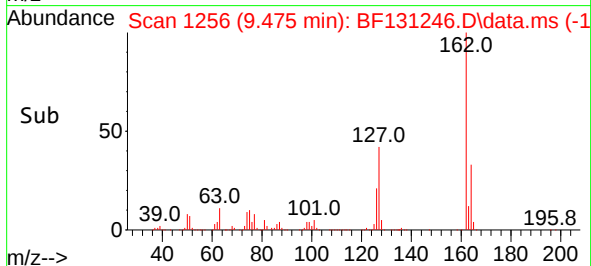


Tgt Ion:162 Resp: 502302  
Ion Ratio Lower Upper  
162 100  
127 42.3 34.1 51.1  
164 32.6 25.9 38.9

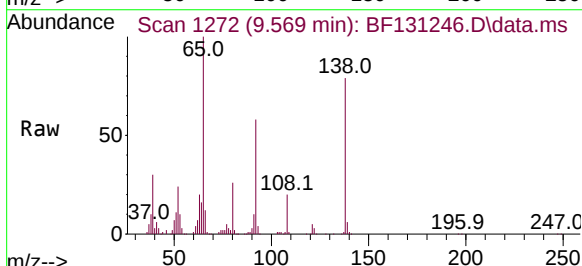
Manual Integrations

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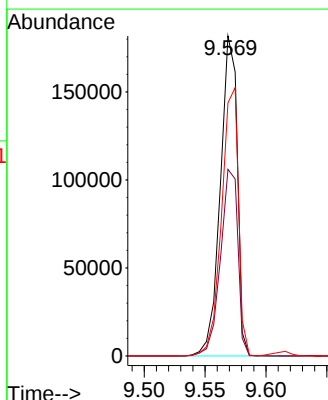
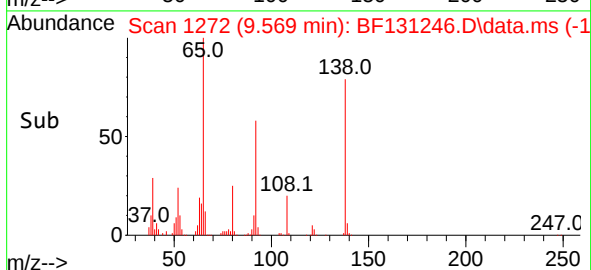
Reviewed By :Christian Giraldo 11/16/2022  
Supervised By :Jagrut Upadhyay 11/16/2022

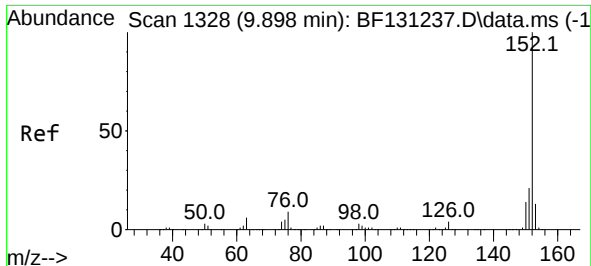


#48  
2-Nitroaniline  
Concen: 40.436 ng  
RT: 9.569 min Scan# 1272  
Delta R.T. -0.000 min  
Lab File: BF131246.D  
Acq: 15 Nov 2022 22:44



Tgt Ion: 65 Resp: 176321  
Ion Ratio Lower Upper  
65 100  
92 58.3 48.2 72.2  
138 79.1 65.8 98.8





#49

Acenaphthylene

Concen: 36.845 ng

RT: 9.898 min Scan# 1328

Delta R.T. 0.000 min

Lab File: BF131246.D

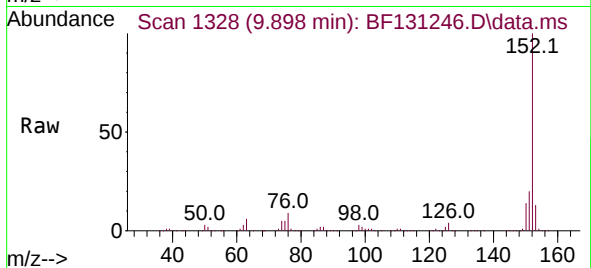
Acq: 15 Nov 2022 22:44

Instrument :

BNA\_F

ClientSampleId :

PB148948BS



Tgt Ion:152 Resp: 778010

Ion Ratio Lower Upper

152 100

151 20.0 16.4 24.6

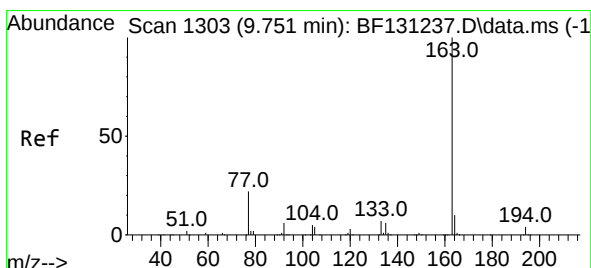
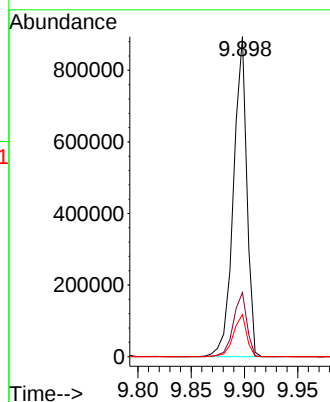
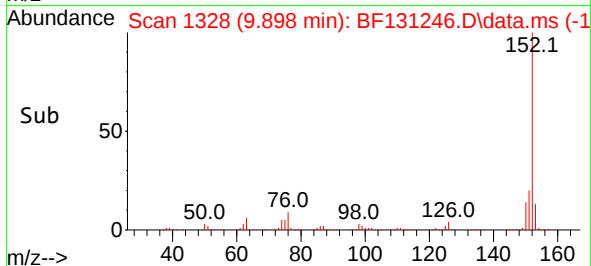
153 13.1 10.5 15.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/16/2022

Supervised By :Jagrut Upadhyay 11/16/2022



#50

Dimethylphthalate

Concen: 37.243 ng

RT: 9.757 min Scan# 1304

Delta R.T. 0.006 min

Lab File: BF131246.D

Acq: 15 Nov 2022 22:44

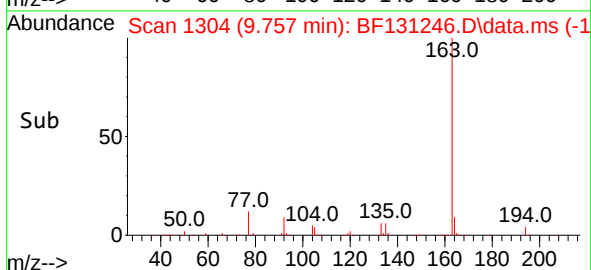
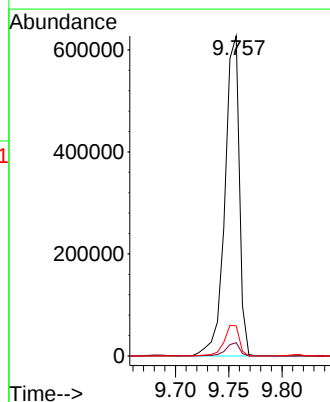
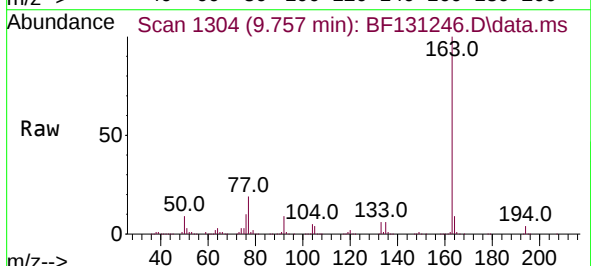
Tgt Ion:163 Resp: 592171

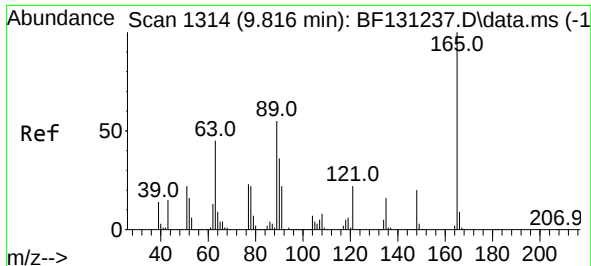
Ion Ratio Lower Upper

163 100

194 4.1 3.2 4.8

164 9.4 7.9 11.9





#51  
2,6-Dinitrotoluene  
Concen: 40.239 ng  
RT: 9.816 min Scan# 1314  
Delta R.T. -0.000 min  
Lab File: BF131246.D  
Acq: 15 Nov 2022 22:44

Instrument :

BNA\_F

ClientSampleId :

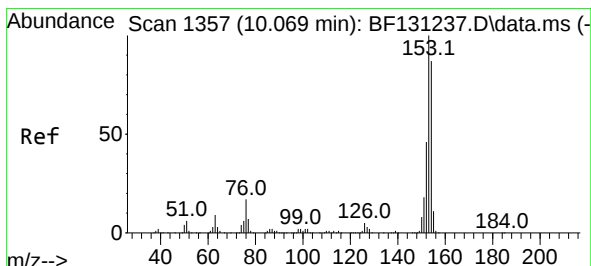
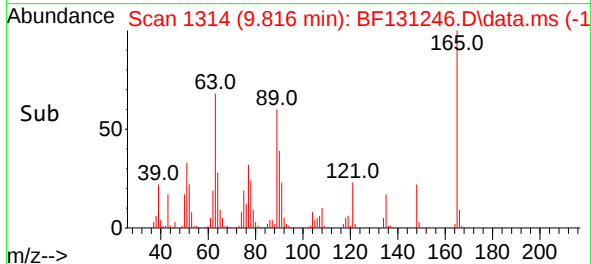
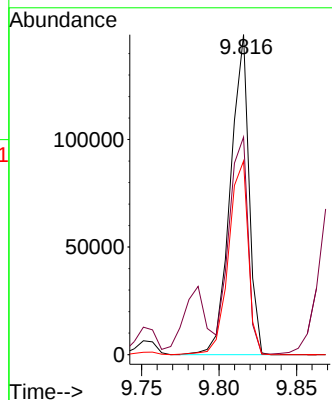
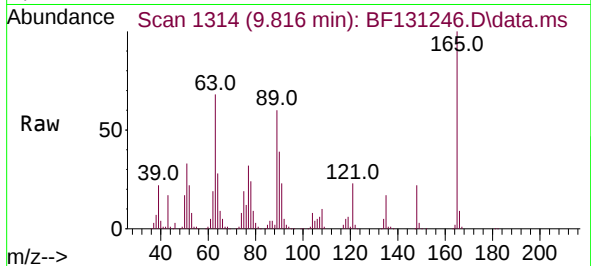
PB148948BS

Tgt Ion:165 Resp: 123905  
Ion Ratio Lower Upper  
165 100  
63 68.0 49.8 74.6  
89 60.5 44.5 66.7

Manual Integrations

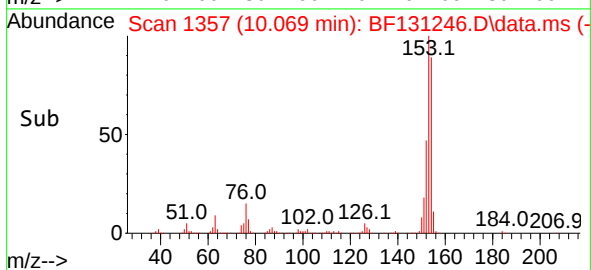
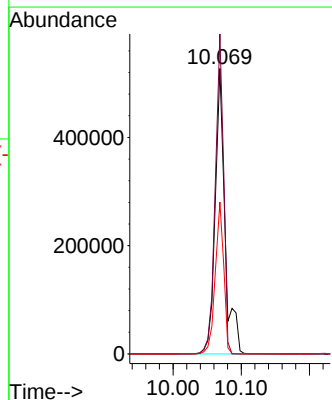
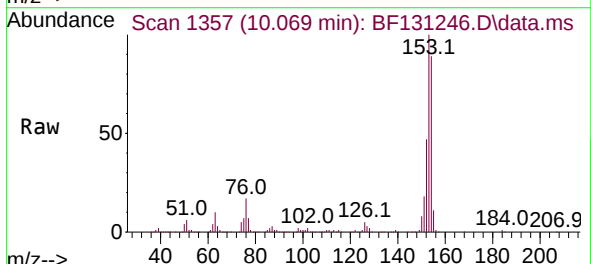
APPROVED

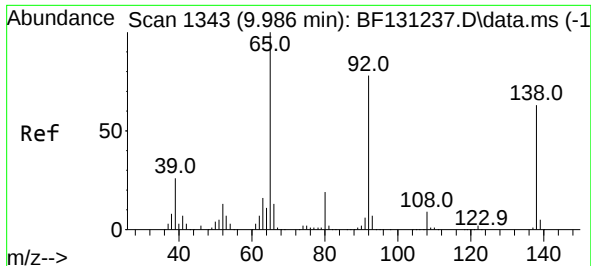
Reviewed By :Christian Giraldo 11/16/2022  
Supervised By :Jagrut Upadhyay 11/16/2022



#52  
Acenaphthene  
Concen: 40.278 ng  
RT: 10.069 min Scan# 1357  
Delta R.T. -0.000 min  
Lab File: BF131246.D  
Acq: 15 Nov 2022 22:44

Tgt Ion:154 Resp: 530880  
Ion Ratio Lower Upper  
154 100  
153 112.1 91.4 137.2  
152 53.2 42.4 63.6





#53  
3-Nitroaniline  
Concen: 27.939 ng  
RT: 9.986 min Scan# 1343  
Delta R.T. 0.000 min  
Lab File: BF131246.D  
Acq: 15 Nov 2022 22:44

Instrument :

BNA\_F

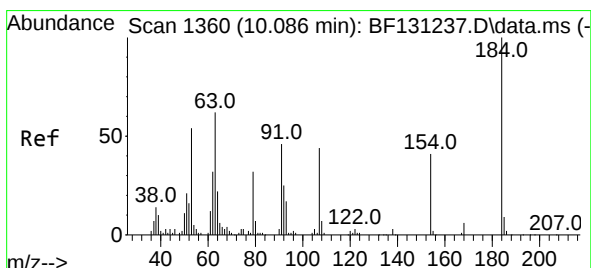
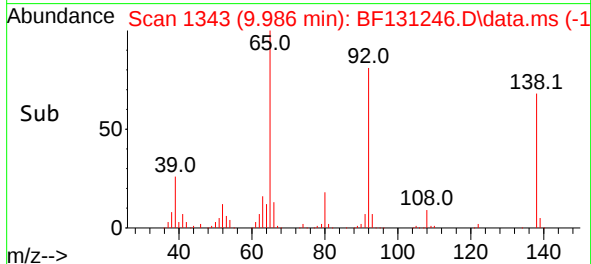
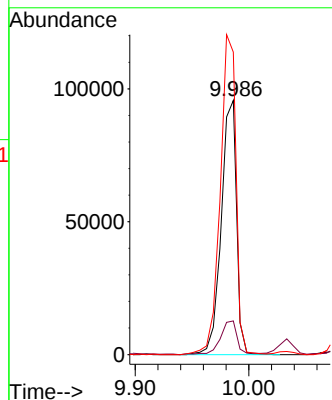
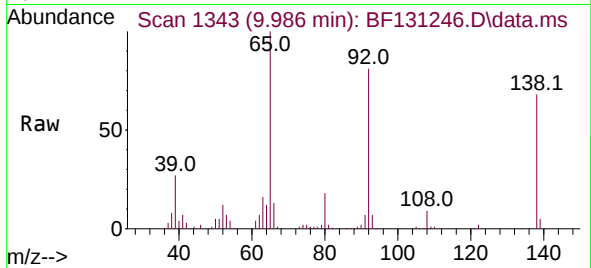
ClientSampleId :

PB148948BS

Tgt Ion:138 Resp: 89024  
Ion Ratio Lower Upper  
138 100  
108 13.2 11.4 17.2  
92 119.0 98.6 148.0

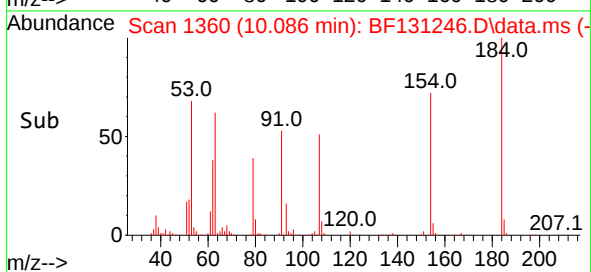
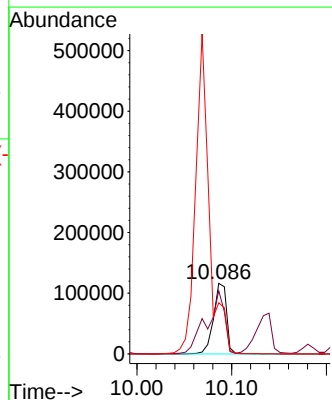
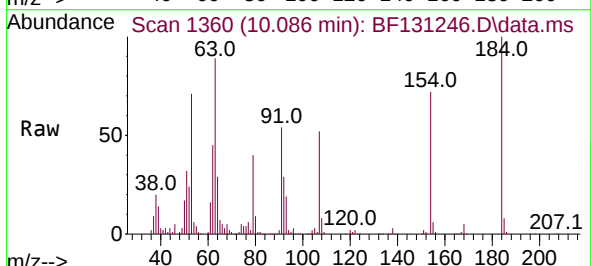
Manual Integrations  
APPROVED

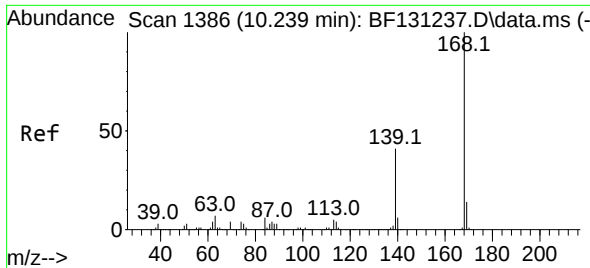
Reviewed By :Christian Giraldo 11/16/2022  
Supervised By :Jagrut Upadhyay 11/16/2022



#54  
2,4-Dinitrophenol  
Concen: 79.129 ng  
RT: 10.086 min Scan# 1360  
Delta R.T. 0.000 min  
Lab File: BF131246.D  
Acq: 15 Nov 2022 22:44

Tgt Ion:184 Resp: 111285  
Ion Ratio Lower Upper  
184 100  
63 89.5 52.5 78.7#  
154 72.4 54.0 81.0





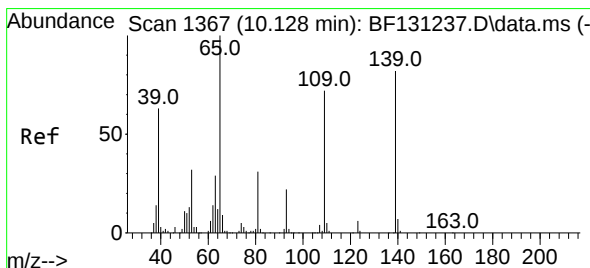
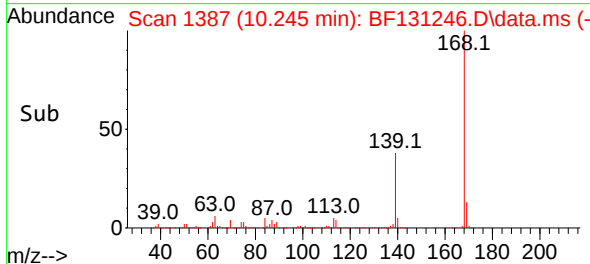
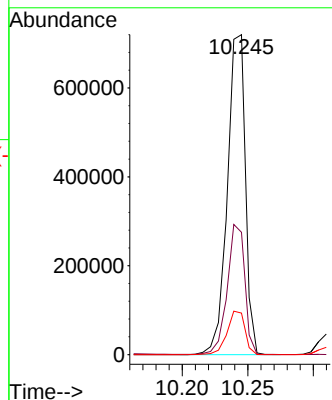
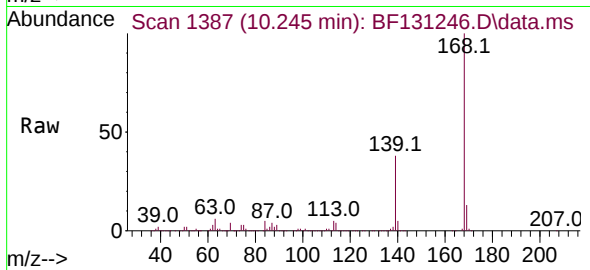
#55  
Dibenzenofuran  
Concen: 36.655 ng  
RT: 10.245 min Scan# 1387  
Delta R.T. 0.006 min  
Lab File: BF131246.D  
Acq: 15 Nov 2022 22:44

Instrument :  
BNA\_F  
ClientSampleId :  
PB148948BS

Tgt Ion:168 Resp: 69218  
Ion Ratio Lower Upper  
168 100  
139 38.2 32.9 49.3  
169 13.0 10.8 16.2

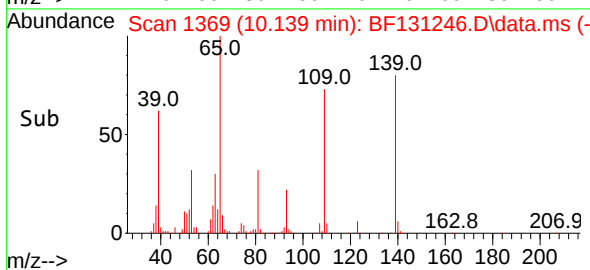
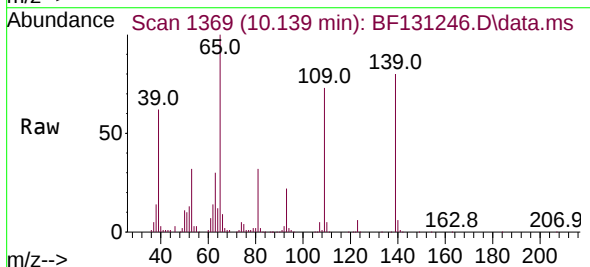
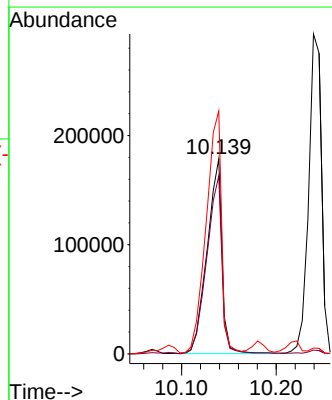
Manual Integrations  
APPROVED

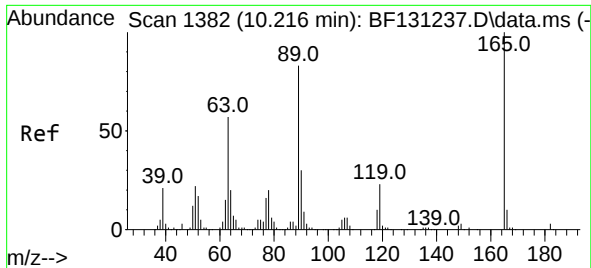
Reviewed By :Christian Giraldo 11/16/2022  
Supervised By :Jagrut Upadhyay 11/16/2022



#56  
4-Nitrophenol  
Concen: 78.497 ng  
RT: 10.139 min Scan# 1369  
Delta R.T. 0.011 min  
Lab File: BF131246.D  
Acq: 15 Nov 2022 22:44

Tgt Ion:139 Resp: 196379  
Ion Ratio Lower Upper  
139 100  
109 91.3 68.1 108.1  
65 124.5 101.6 141.6





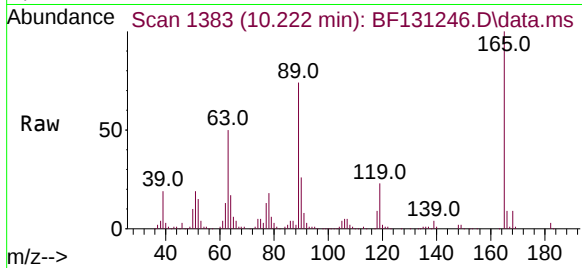
#57  
2,4-Dinitrotoluene  
Concen: 42.367 ng  
RT: 10.222 min Scan# 1383  
Delta R.T. 0.006 min  
Lab File: BF131246.D  
Acq: 15 Nov 2022 22:44

Instrument :

BNA\_F

ClientSampleId :

PB148948BS

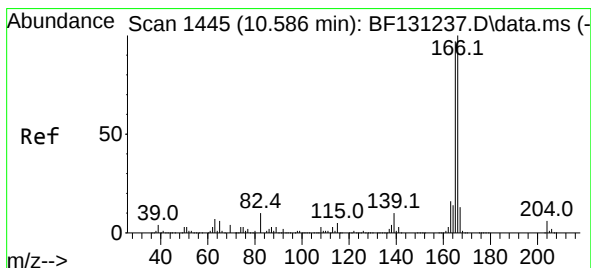
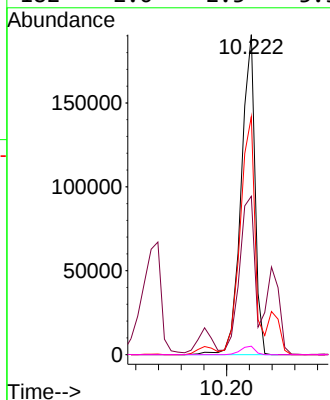
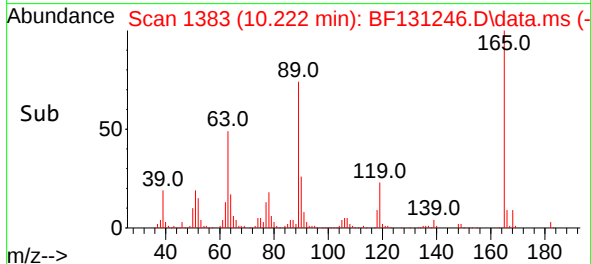


Tgt Ion:165 Resp: 161936  
Ion Ratio Lower Upper  
165 100  
63 49.5 46.0 69.0  
89 74.3 66.2 99.4  
182 2.6 2.3 3.5

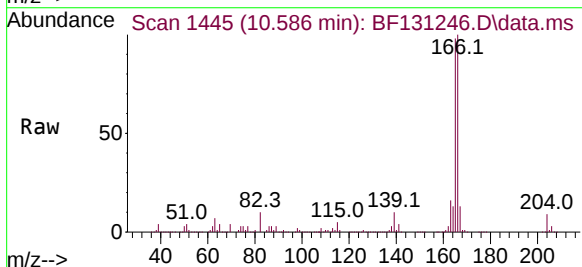
Manual Integrations

APPROVED

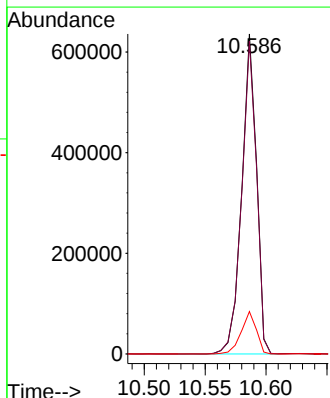
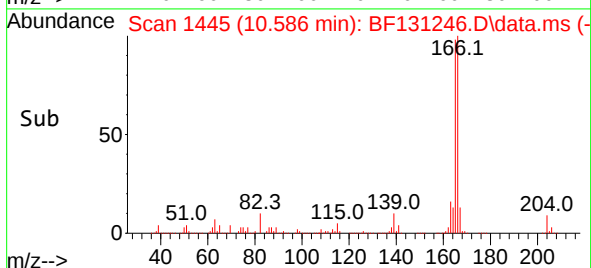
Reviewed By :Christian Giraldo 11/16/2022  
Supervised By :Jagrut Upadhyay 11/16/2022

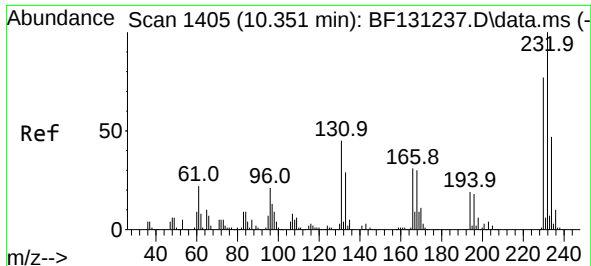


#58  
Fluorene  
Concen: 35.977 ng  
RT: 10.586 min Scan# 1445  
Delta R.T. 0.000 min  
Lab File: BF131246.D  
Acq: 15 Nov 2022 22:44



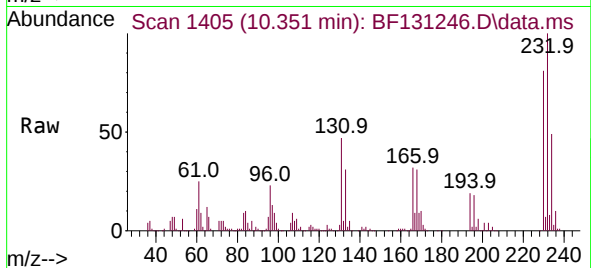
Tgt Ion:166 Resp: 534607  
Ion Ratio Lower Upper  
166 100  
165 97.7 77.4 116.0  
167 13.3 10.5 15.7





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 38.340 ng  
RT: 10.351 min Scan# 1405  
Delta R.T. 0.000 min  
Lab File: BF131246.D  
Acq: 15 Nov 2022 22:44

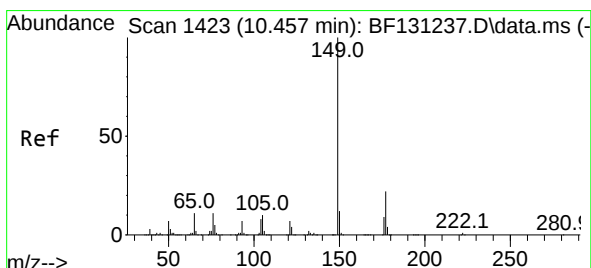
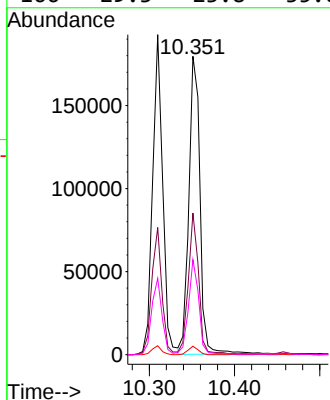
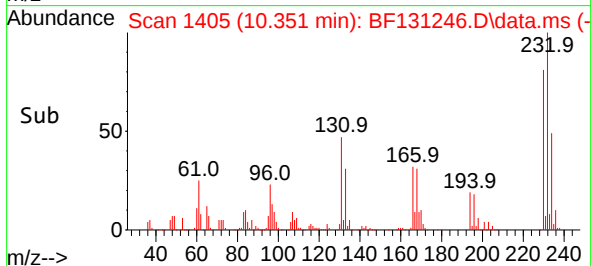
Instrument :  
BNA\_F  
ClientSampleId :  
PB148948BS



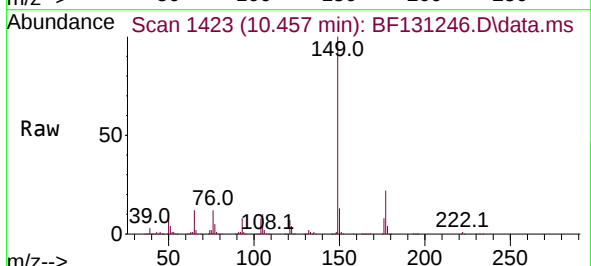
Tgt Ion:232 Resp: 162915  
Ion Ratio Lower Upper  
232 100  
131 44.2 34.6 51.8  
130 2.5 1.9 2.9  
166 29.3 23.8 35.6

Manual Integrations  
APPROVED

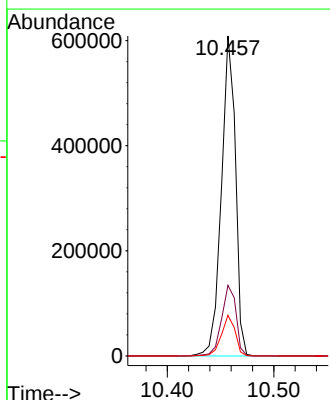
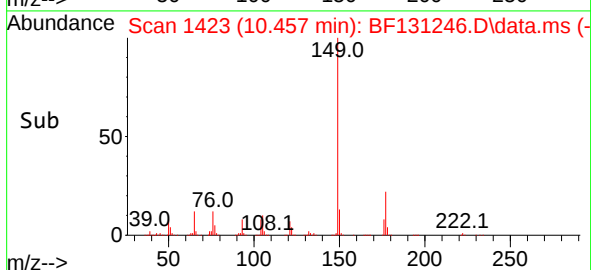
Reviewed By :Christian Giraldo 11/16/2022  
Supervised By :Jagrut Upadhyay 11/16/2022

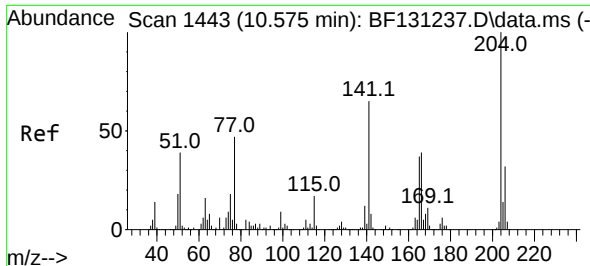


#60  
Diethylphthalate  
Concen: 37.308 ng  
RT: 10.457 min Scan# 1423  
Delta R.T. 0.000 min  
Lab File: BF131246.D  
Acq: 15 Nov 2022 22:44



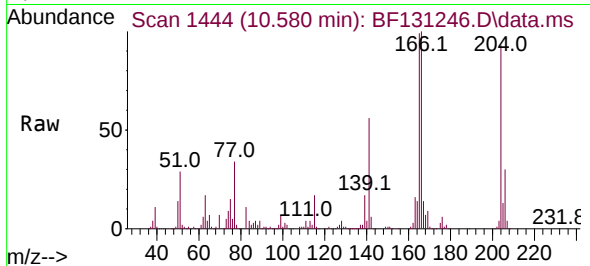
Tgt Ion:149 Resp: 560726  
Ion Ratio Lower Upper  
149 100  
177 22.0 17.9 26.9  
150 12.7 9.9 14.9





#61  
4-Chlorophenyl-phenylether  
Concen: 36.925 ng  
RT: 10.580 min Scan# 1443  
Delta R.T. 0.006 min  
Lab File: BF131246.D  
Acq: 15 Nov 2022 22:44

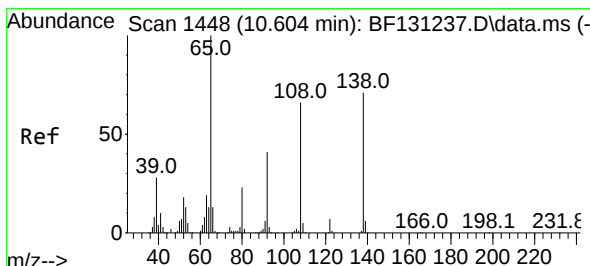
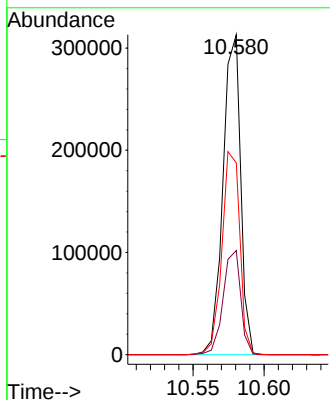
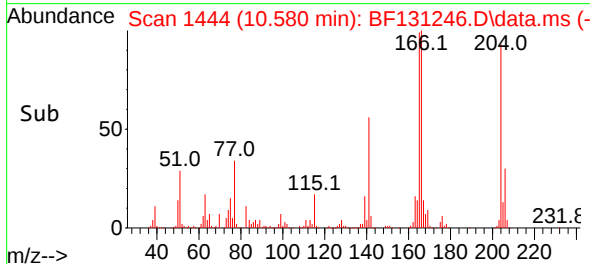
Instrument :  
BNA\_F  
ClientSampleId :  
PB148948BS



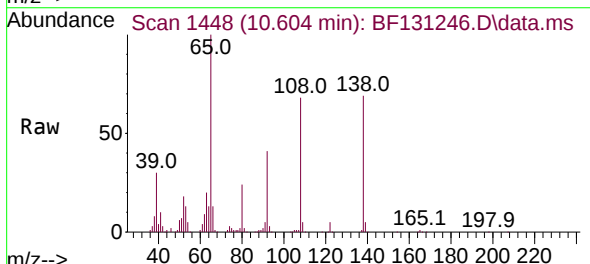
Tgt Ion:204 Resp: 271316  
Ion Ratio Lower Upper  
204 100  
206 32.5 25.8 38.8  
141 59.9 52.1 78.1

Manual Integrations  
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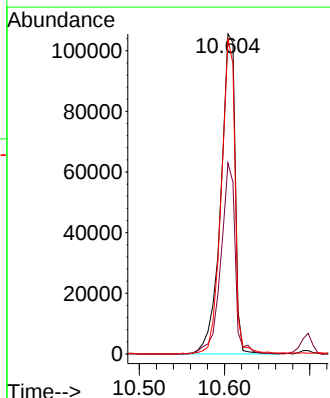
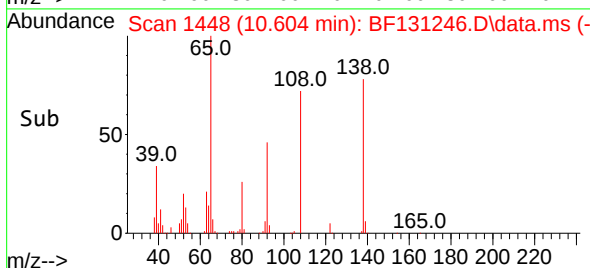
Reviewed By :Christian Giraldo 11/16/2022  
Supervised By :Jagrut Upadhyay 11/16/2022

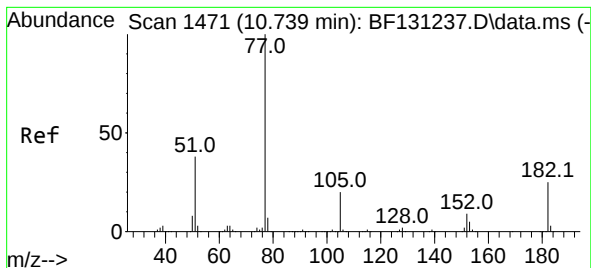


#62  
4-Nitroaniline  
Concen: 38.454 ng  
RT: 10.604 min Scan# 1448  
Delta R.T. -0.000 min  
Lab File: BF131246.D  
Acq: 15 Nov 2022 22:44



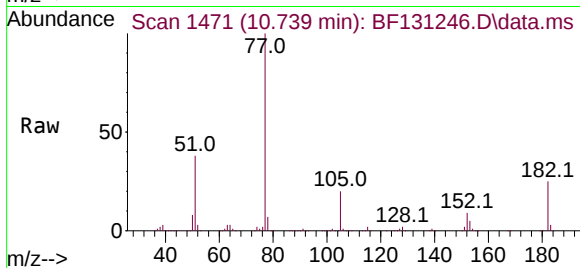
Tgt Ion:138 Resp: 124603  
Ion Ratio Lower Upper  
138 100  
92 59.6 37.6 77.6  
108 98.3 73.2 113.2





#63  
Azobenzene  
Concen: 36.378 ng  
RT: 10.739 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: BF131246.D  
Acq: 15 Nov 2022 22:44

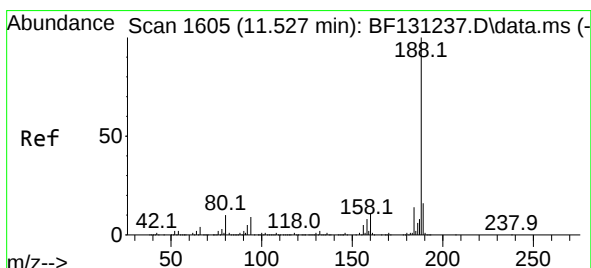
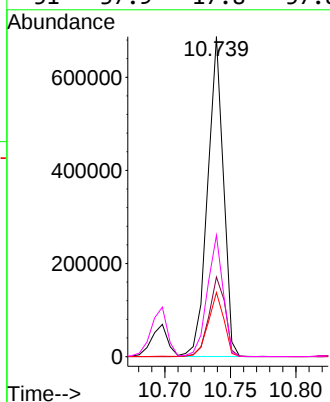
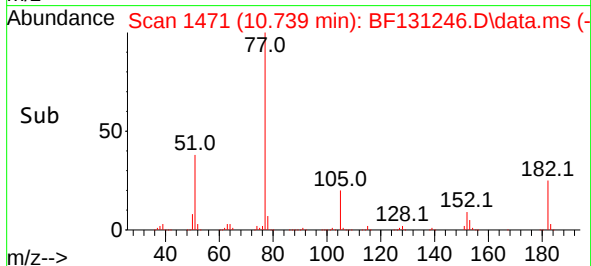
Instrument :  
BNA\_F  
ClientSampleId :  
PB148948BS



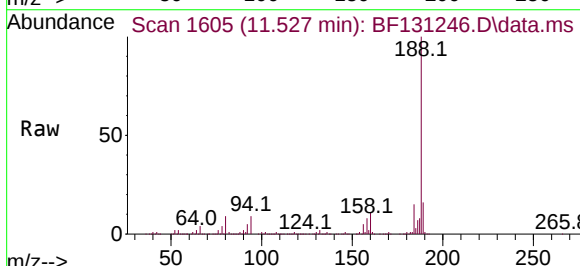
Tgt Ion: 77 Resp: 572434  
Ion Ratio Lower Upper  
77 100  
182 24.9 5.0 45.0  
105 20.0 0.1 40.1  
51 37.9 17.8 57.8

Manual Integrations  
APPROVED

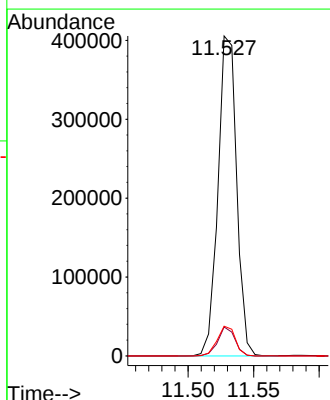
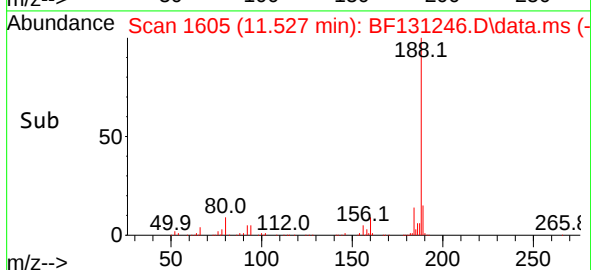
Reviewed By :Christian Giraldo 11/16/2022  
Supervised By :Jagrut Upadhyay 11/16/2022

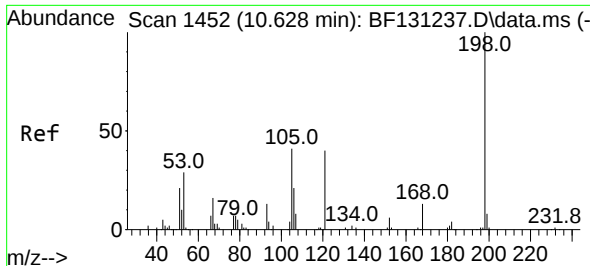


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.527 min Scan# 1605  
Delta R.T. 0.000 min  
Lab File: BF131246.D  
Acq: 15 Nov 2022 22:44



Tgt Ion:188 Resp: 402863  
Ion Ratio Lower Upper  
188 100  
94 9.0 6.8 10.2  
80 9.3 8.0 12.0





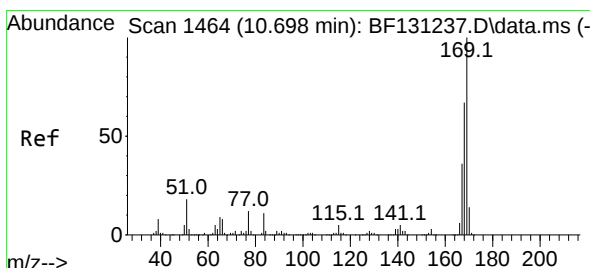
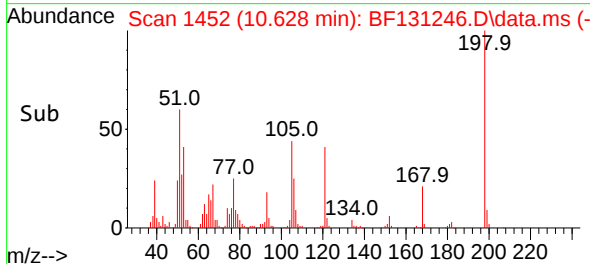
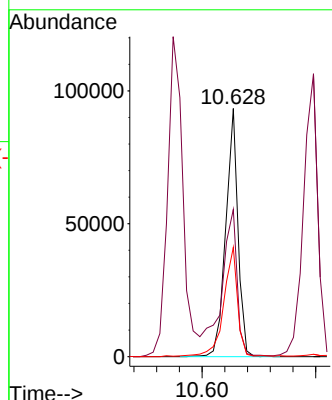
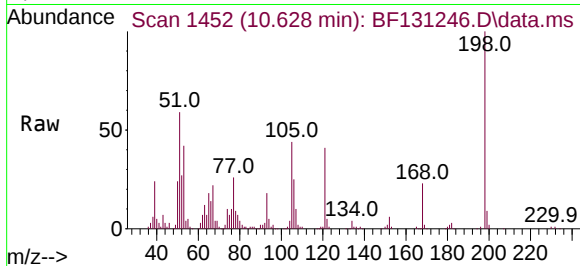
#65  
4,6-Dinitro-2-methylphenol  
Concen: 39.870 ng  
RT: 10.628 min Scan# 1452  
Delta R.T. -0.000 min  
Lab File: BF131246.D  
Acq: 15 Nov 2022 22:44

Instrument :  
BNA\_F  
ClientSampleId :  
PB148948BS

Tgt Ion:198 Resp: 69302  
Ion Ratio Lower Upper  
198 100  
51 59.3 29.4 69.4  
105 44.1 22.2 62.2

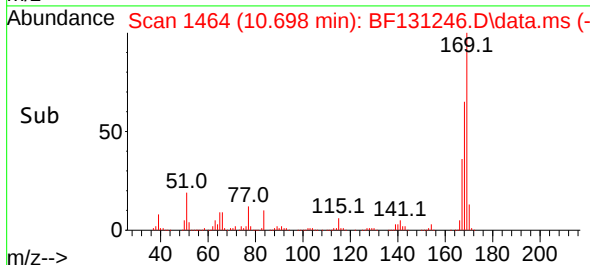
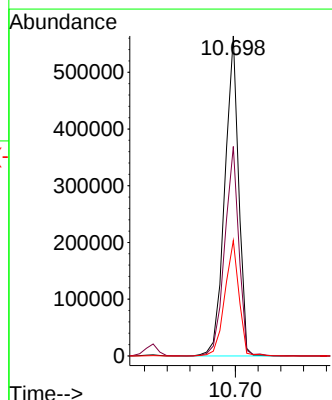
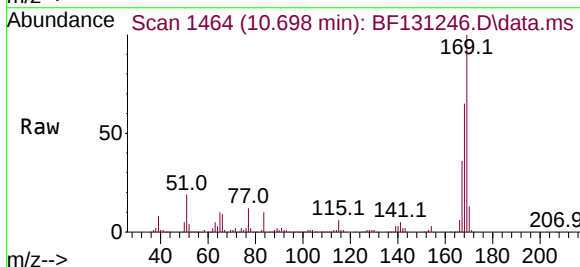
Manual Integrations  
APPROVED

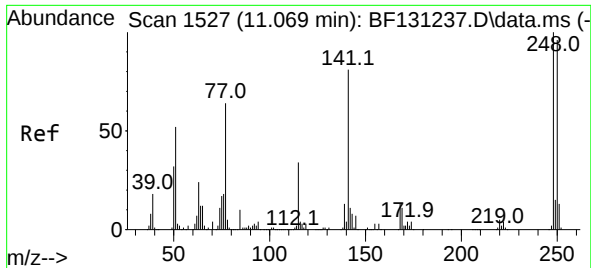
Reviewed By :Christian Giraldo 11/16/2022  
Supervised By :Jagrut Upadhyay 11/16/2022



#66  
n-Nitrosodiphenylamine  
Concen: 37.104 ng  
RT: 10.698 min Scan# 1464  
Delta R.T. 0.000 min  
Lab File: BF131246.D  
Acq: 15 Nov 2022 22:44

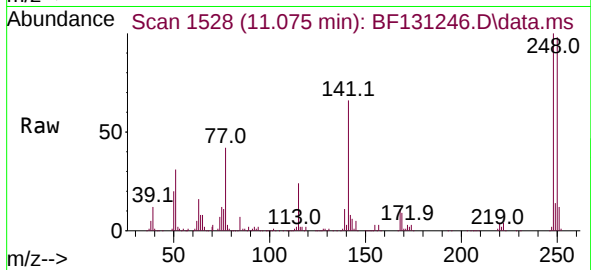
Tgt Ion:169 Resp: 474902  
Ion Ratio Lower Upper  
169 100  
168 65.4 53.4 80.0  
167 36.0 28.9 43.3





#67  
4-Bromophenyl-phenylether  
Concen: 38.261 ng  
RT: 11.075 min Scan# 1528  
Delta R.T. 0.006 min  
Lab File: BF131246.D  
Acq: 15 Nov 2022 22:44

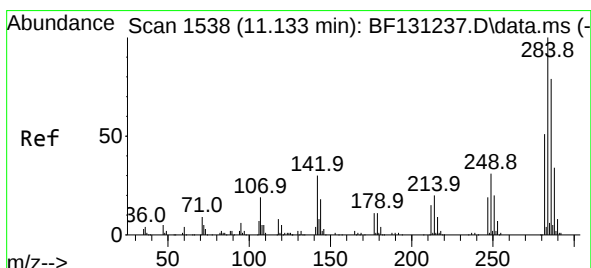
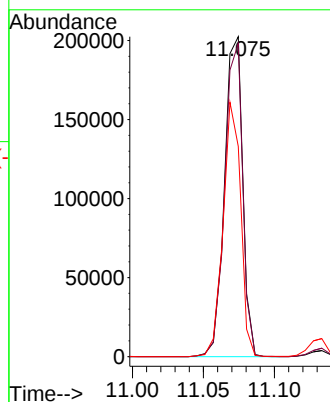
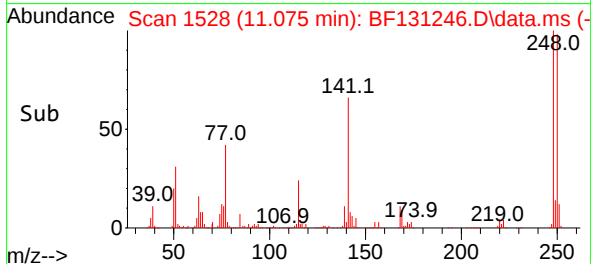
Instrument :  
BNA\_F  
ClientSampleId :  
PB148948BS



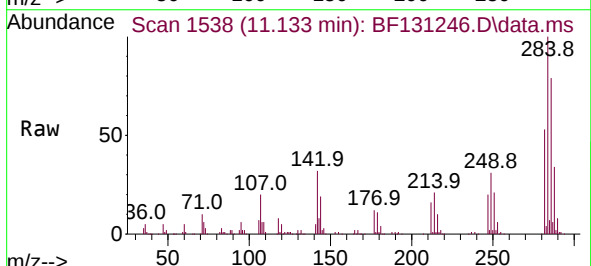
Tgt Ion:248 Resp: 180980  
Ion Ratio Lower Upper  
248 100  
250 97.9 76.6 114.8  
141 65.7 64.7 97.1

Manual Integrations  
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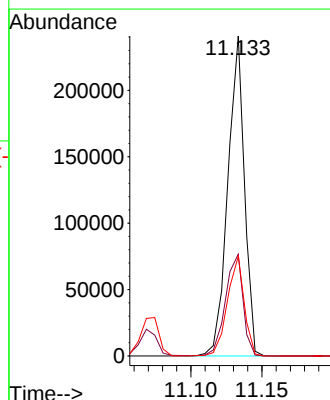
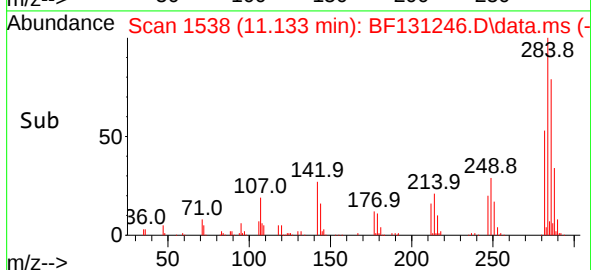
Reviewed By :Christian Giraldo 11/16/2022  
Supervised By :Jagrut Upadhyay 11/16/2022

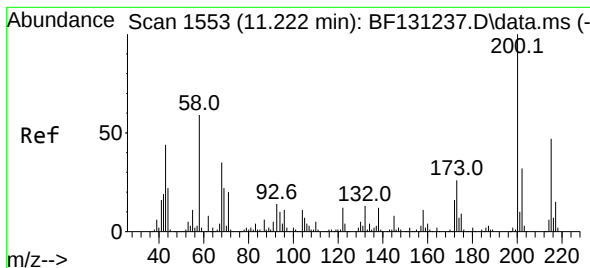


#68  
Hexachlorobenzene  
Concen: 38.152 ng  
RT: 11.133 min Scan# 1538  
Delta R.T. 0.000 min  
Lab File: BF131246.D  
Acq: 15 Nov 2022 22:44



Tgt Ion:284 Resp: 195574  
Ion Ratio Lower Upper  
284 100  
142 31.8 24.3 36.5  
249 31.1 24.8 37.2





#69

Atrazine

Concen: 40.061 ng

RT: 11.227 min Scan# 1553

Delta R.T. 0.006 min

Lab File: BF131246.D

Acq: 15 Nov 2022 22:44

Instrument :

BNA\_F

ClientSampleId :

PB148948BS

Tgt Ion:200 Resp: 168070

Ion Ratio Lower Upper

200 100

173 24.8 6.4 46.4

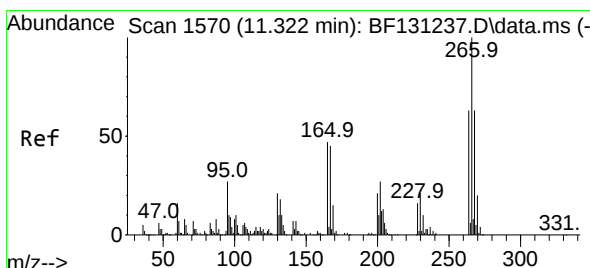
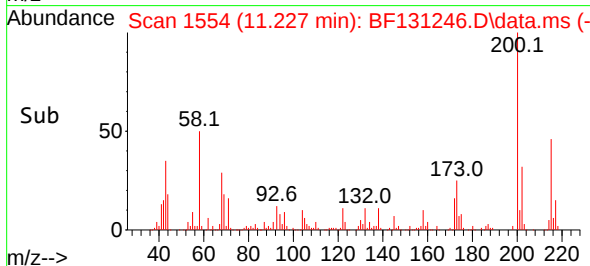
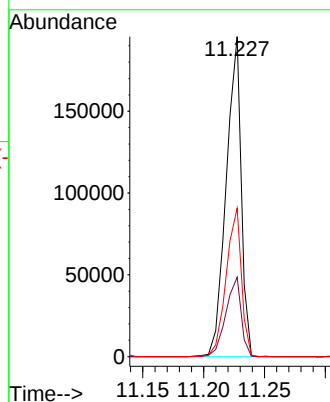
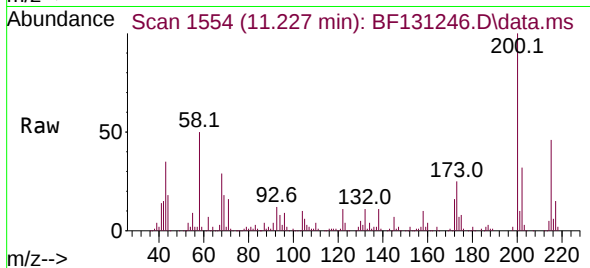
215 46.4 26.5 66.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/16/2022

Supervised By :Jagrut Upadhyay 11/16/2022



#70

Pentachlorophenol

Concen: 78.892 ng

RT: 11.327 min Scan# 1571

Delta R.T. 0.006 min

Lab File: BF131246.D

Acq: 15 Nov 2022 22:44

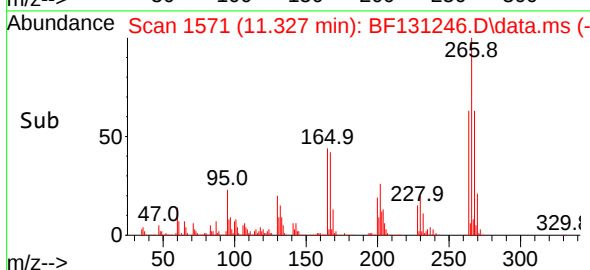
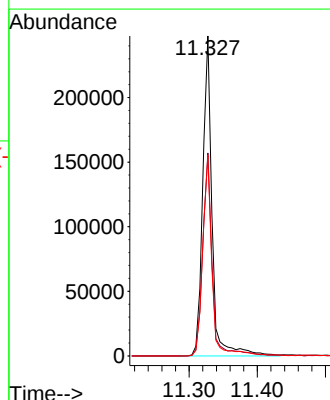
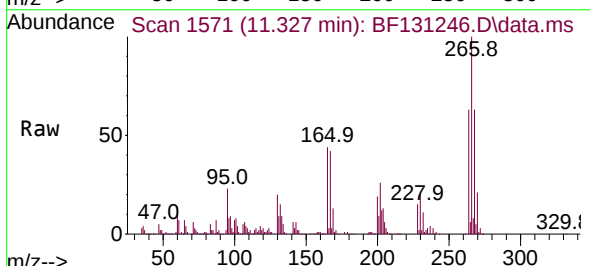
Tgt Ion:266 Resp: 236049

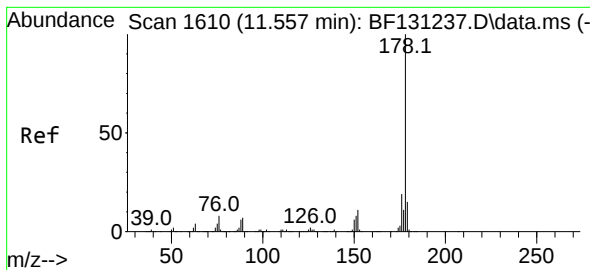
Ion Ratio Lower Upper

266 100

268 63.4 50.5 75.7

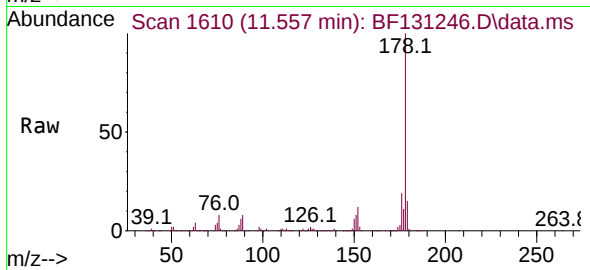
264 62.7 50.4 75.6





#71  
Phenanthrene  
Concen: 36.611 ng  
RT: 11.557 min Scan# 1610  
Delta R.T. 0.000 min  
Lab File: BF131246.D  
Acq: 15 Nov 2022 22:44

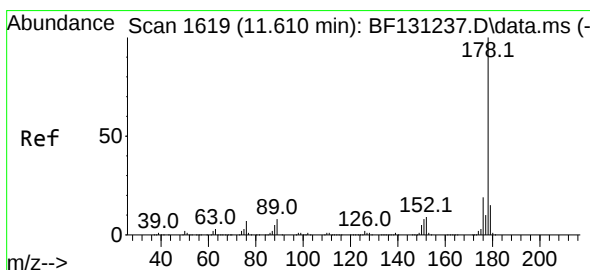
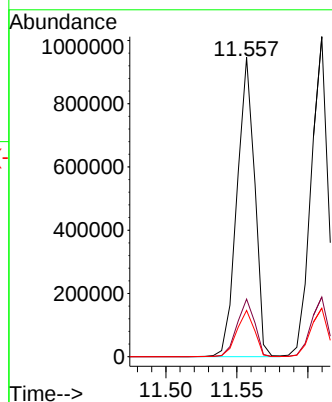
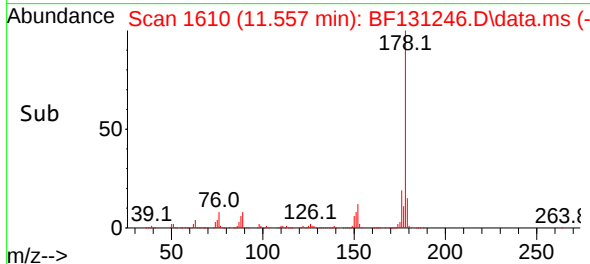
Instrument :  
BNA\_F  
ClientSampleId :  
PB148948BS



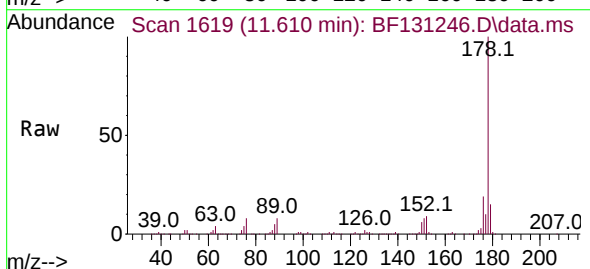
Tgt Ion:178 Resp: 813991  
Ion Ratio Lower Upper  
178 100  
176 19.2 15.3 22.9  
179 15.4 12.1 18.1

Manual Integrations  
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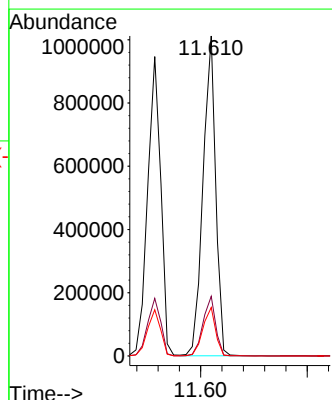
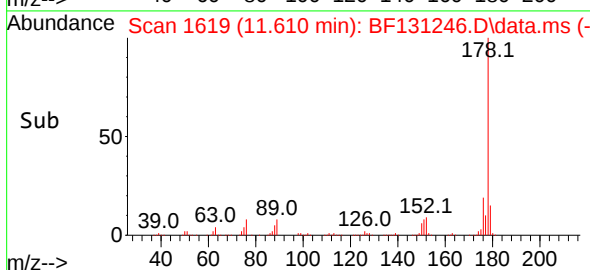
Reviewed By :Christian Giraldo 11/16/2022  
Supervised By :Jagrut Upadhyay 11/16/2022

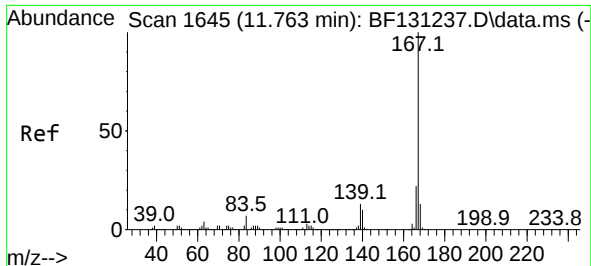


#72  
Anthracene  
Concen: 38.278 ng  
RT: 11.610 min Scan# 1619  
Delta R.T. 0.000 min  
Lab File: BF131246.D  
Acq: 15 Nov 2022 22:44



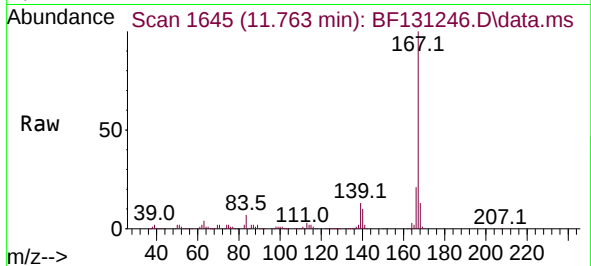
Tgt Ion:178 Resp: 831372  
Ion Ratio Lower Upper  
178 100  
176 18.6 15.2 22.8  
179 15.1 12.2 18.2





#73  
 Carbazole  
 Concen: 38.823 ng  
 RT: 11.763 min Scan# 1645  
 Delta R.T. 0.000 min  
 Lab File: BF131246.D  
 Acq: 15 Nov 2022 22:44

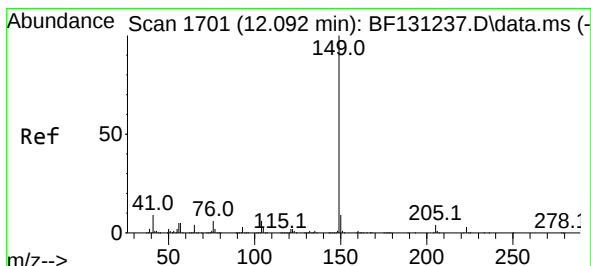
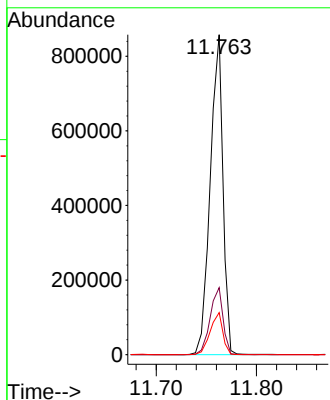
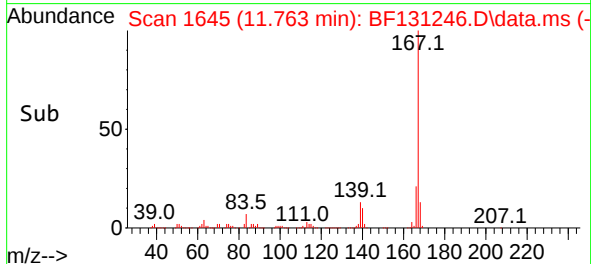
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB148948BS



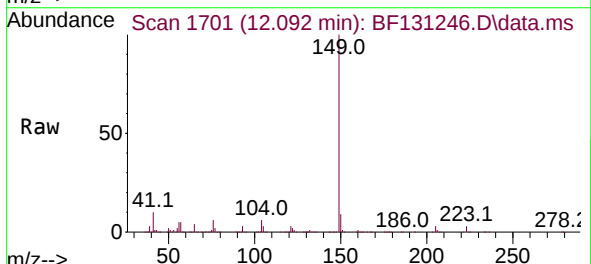
Tgt Ion:167 Resp: 754765  
 Ion Ratio Lower Upper  
 167 100  
 166 21.0 17.3 25.9  
 139 13.1 10.3 15.5

Manual Integrations  
 APPROVED

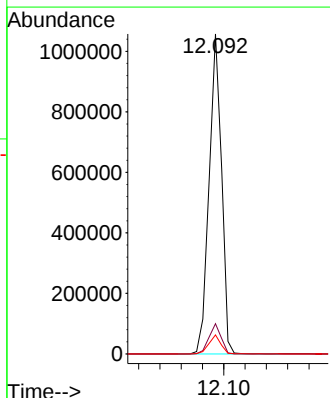
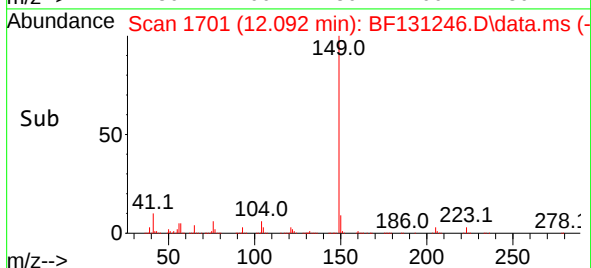
Reviewed By :Christian Giraldo 11/16/2022  
 Supervised By :Jagrut Upadhyay 11/16/2022

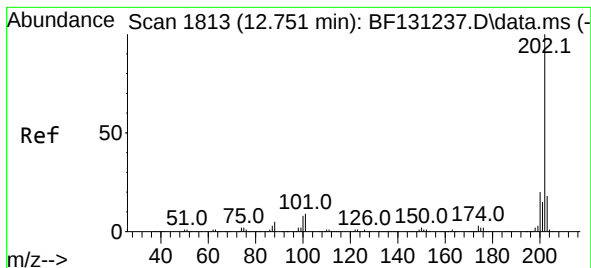


#74  
 Di-n-butylphthalate  
 Concen: 37.751 ng  
 RT: 12.092 min Scan# 1701  
 Delta R.T. 0.000 min  
 Lab File: BF131246.D  
 Acq: 15 Nov 2022 22:44



Tgt Ion:149 Resp: 854159  
 Ion Ratio Lower Upper  
 149 100  
 150 9.4 7.3 10.9  
 104 5.9 4.5 6.7





#75

Fluoranthene

Concen: 37.669 ng

RT: 12.751 min Scan# 1813

Delta R.T. 0.000 min

Lab File: BF131246.D

Acq: 15 Nov 2022 22:44

Instrument :

BNA\_F

ClientSampleId :

PB148948BS

Tgt Ion:202 Resp: 923660

Ion Ratio Lower Upper

202 100

101 9.6 0.0 29.4

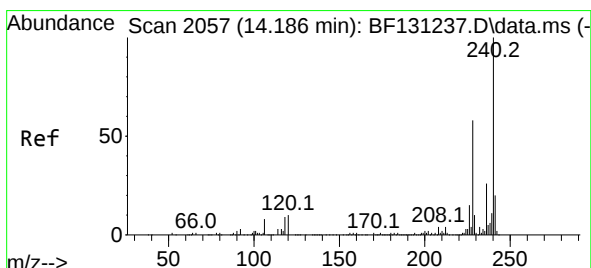
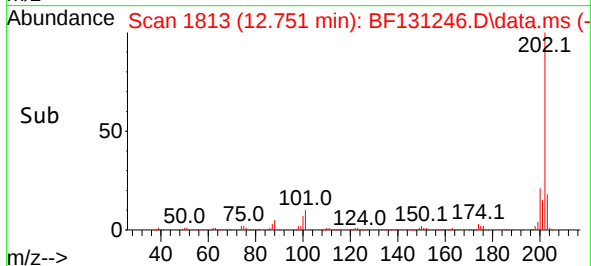
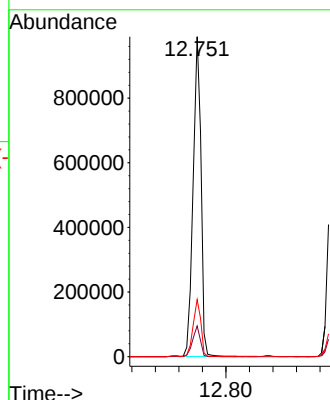
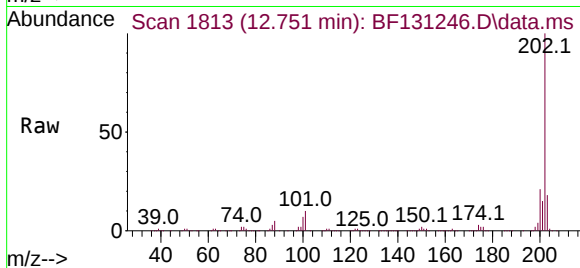
203 17.8 0.0 37.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/16/2022

Supervised By :Jagrut Upadhyay 11/16/2022



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.192 min Scan# 2058

Delta R.T. 0.006 min

Lab File: BF131246.D

Acq: 15 Nov 2022 22:44

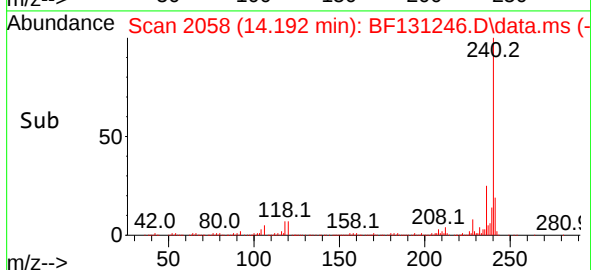
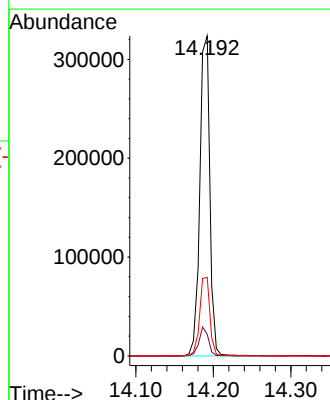
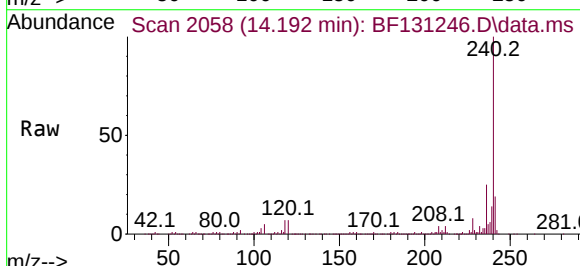
Tgt Ion:240 Resp: 290870

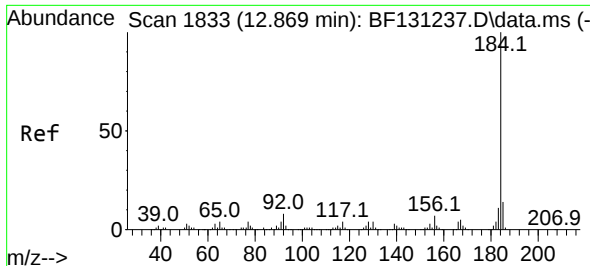
Ion Ratio Lower Upper

240 100

120 6.7 7.8 11.6

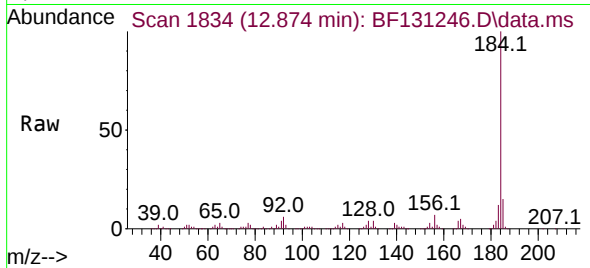
236 24.5 20.6 31.0





#77  
Benzidine  
Concen: 59.745 ng  
RT: 12.874 min Scan# 1834  
Delta R.T. 0.005 min  
Lab File: BF131246.D  
Acq: 15 Nov 2022 22:44

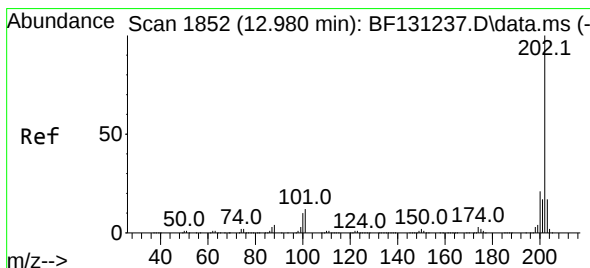
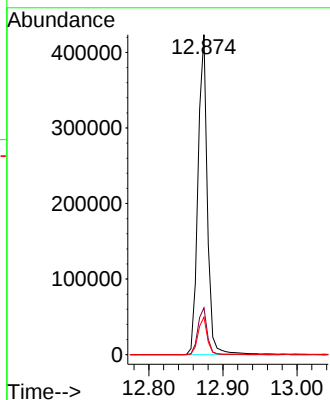
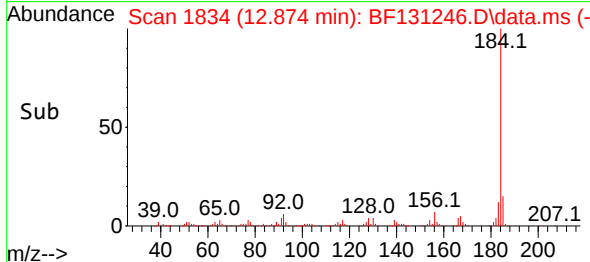
Instrument :  
BNA\_F  
ClientSampleId :  
PB148948BS



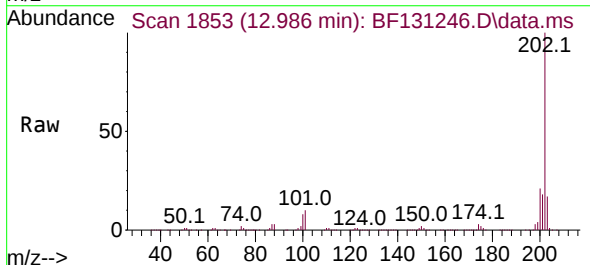
Tgt Ion:184 Resp: 372404  
Ion Ratio Lower Upper  
184 100  
185 14.6 11.4 17.2  
183 11.7 9.0 13.4

Manual Integrations  
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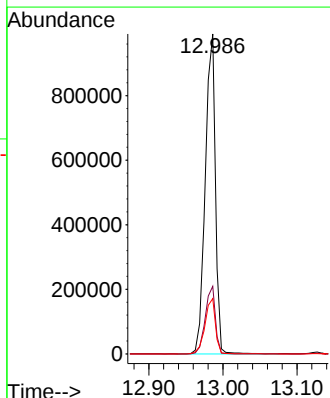
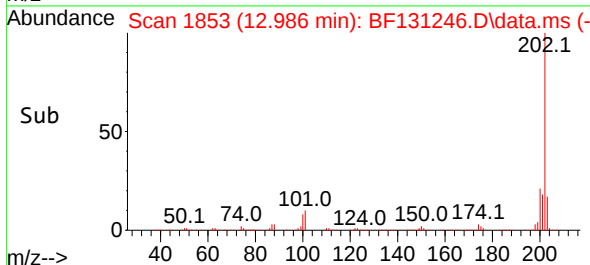
Reviewed By :Christian Giraldo 11/16/2022  
Supervised By :Jagrut Upadhyay 11/16/2022

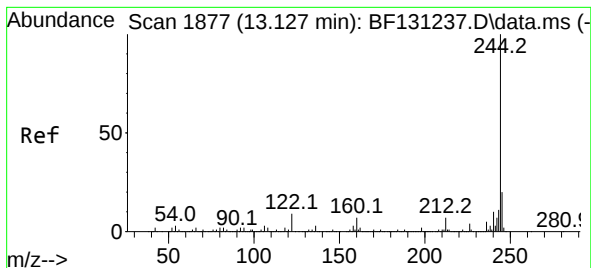


#78  
Pyrene  
Concen: 37.423 ng  
RT: 12.986 min Scan# 1853  
Delta R.T. 0.006 min  
Lab File: BF131246.D  
Acq: 15 Nov 2022 22:44



Tgt Ion:202 Resp: 938328  
Ion Ratio Lower Upper  
202 100  
200 21.1 16.4 24.6  
203 17.3 14.0 21.0





#79

Terphenyl-d14

Concen: 76.031 ng

RT: 13.127 min Scan# 1877

Delta R.T. 0.000 min

Lab File: BF131246.D

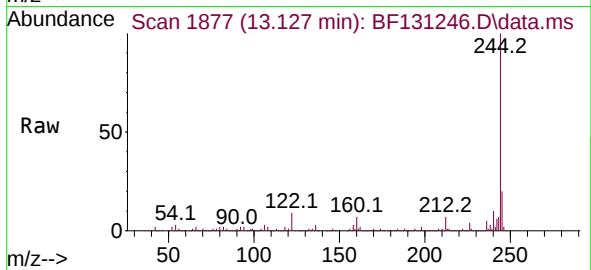
Acq: 15 Nov 2022 22:44

Instrument :

BNA\_F

ClientSampleId :

PB148948BS



Tgt Ion:244 Resp: 1287809

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.6

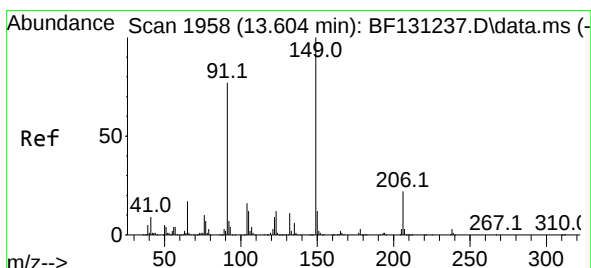
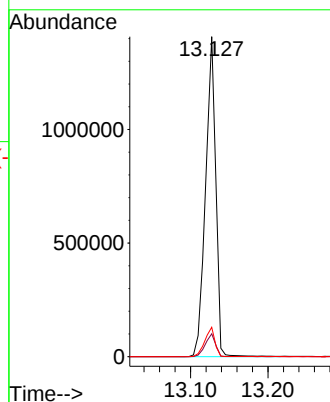
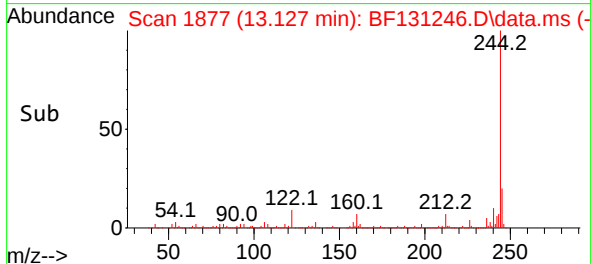
122 9.2 7.4 11.2

Manual Integrations

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Reviewed By :Christian Giraldo 11/16/2022

Supervised By :Jagrut Upadhyay 11/16/2022



#80

Butylbenzylphthalate

Concen: 40.488 ng

RT: 13.604 min Scan# 1958

Delta R.T. 0.000 min

Lab File: BF131246.D

Acq: 15 Nov 2022 22:44

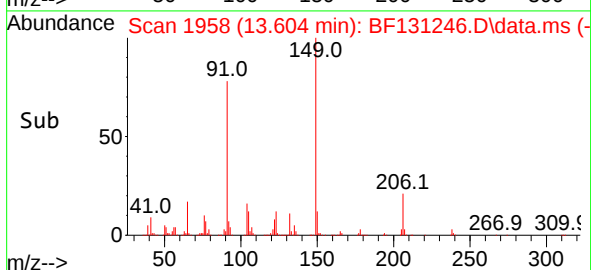
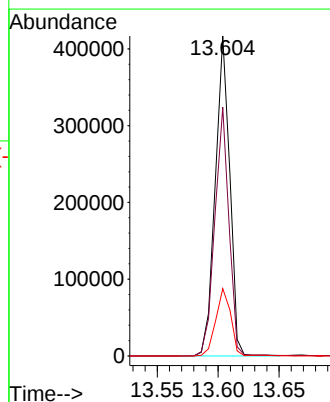
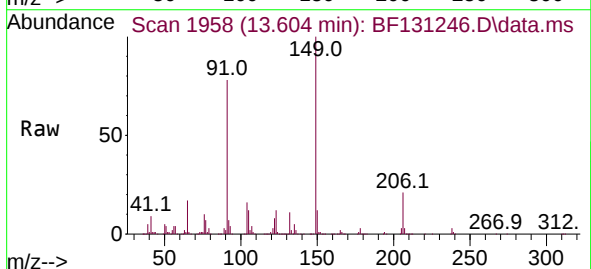
Tgt Ion:149 Resp: 344047

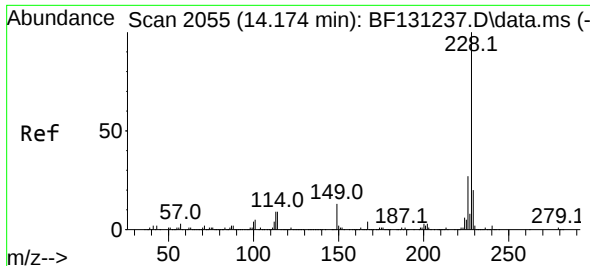
Ion Ratio Lower Upper

149 100

91 77.7 61.5 92.3

206 21.0 17.4 26.2





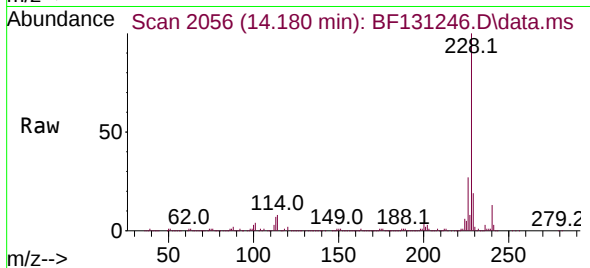
#81  
Benzo(a)anthracene  
Concen: 36.765 ng  
RT: 14.180 min Scan# 2056  
Delta R.T. 0.006 min  
Lab File: BF131246.D  
Acq: 15 Nov 2022 22:44

Instrument :

BNA\_F

ClientSampleId :

PB148948BS

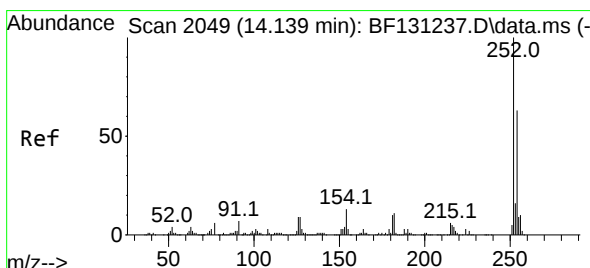
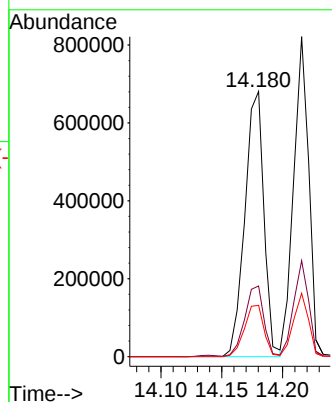
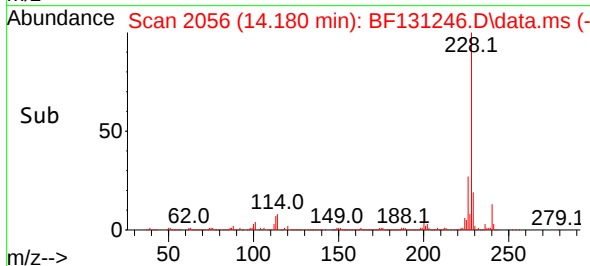


Tgt Ion:228 Resp: 743199  
Ion Ratio Lower Upper  
228 100  
226 26.7 21.3 31.9  
229 19.4 15.8 23.6

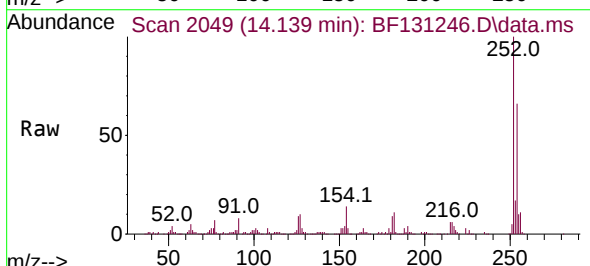
Manual Integrations

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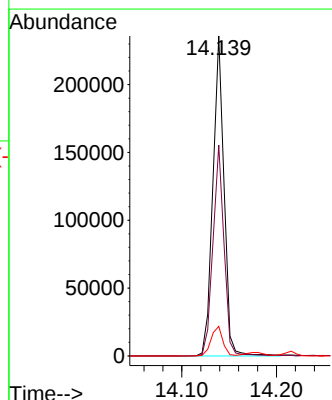
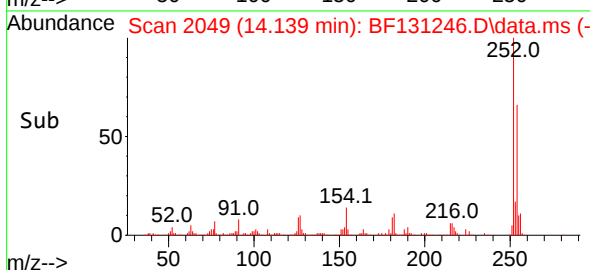
Reviewed By :Christian Giraldo 11/16/2022  
Supervised By :Jagrut Upadhyay 11/16/2022

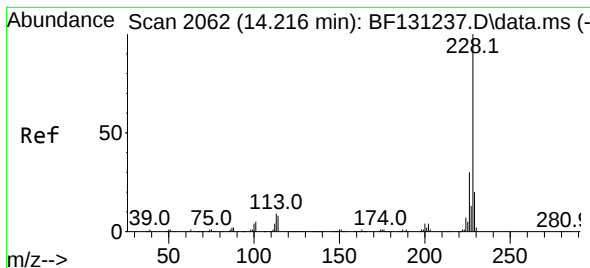


#82  
3,3'-Dichlorobenzidine  
Concen: 32.856 ng  
RT: 14.139 min Scan# 2049  
Delta R.T. 0.000 min  
Lab File: BF131246.D  
Acq: 15 Nov 2022 22:44



Tgt Ion:252 Resp: 194345  
Ion Ratio Lower Upper  
252 100  
254 65.9 50.2 75.4  
126 9.2 7.4 11.2





#83

Chrysene

Concen: 35.994 ng

RT: 14.216 min Scan# 2062

Delta R.T. 0.000 min

Lab File: BF131246.D

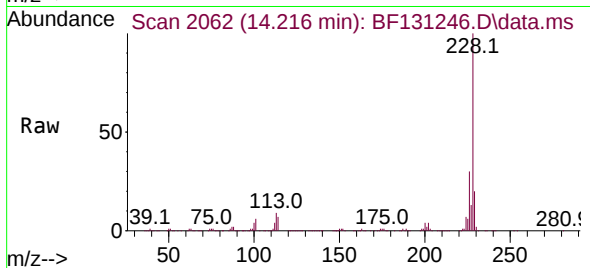
Acq: 15 Nov 2022 22:44

Instrument :

BNA\_F

ClientSampleId :

PB148948BS



Tgt Ion:228 Resp: 708832

Ion Ratio Lower Upper

228 100

226 30.0 23.8 35.6

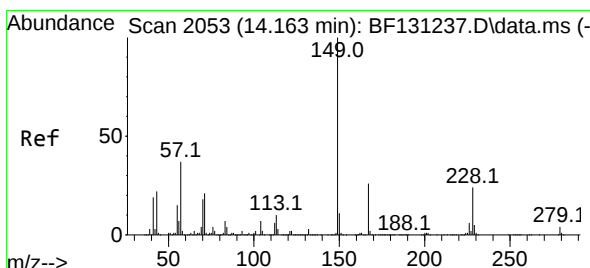
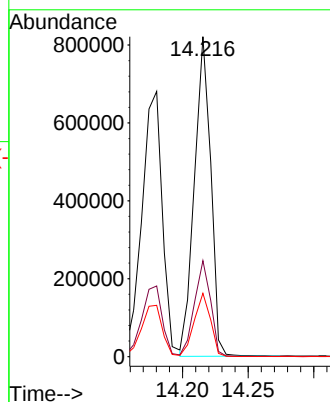
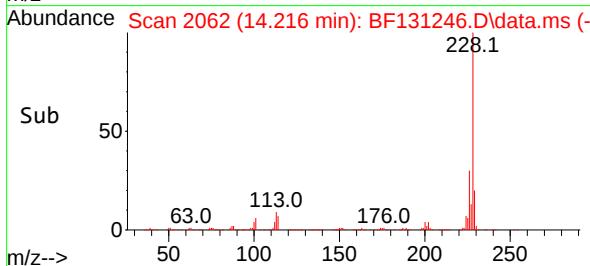
229 19.8 15.9 23.9

Manual Integrations

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Reviewed By :Christian Giraldo 11/16/2022

Supervised By :Jagrut Upadhyay 11/16/2022



#84

Bis(2-ethylhexyl)phthalate

Concen: 40.945 ng

RT: 14.163 min Scan# 2053

Delta R.T. 0.000 min

Lab File: BF131246.D

Acq: 15 Nov 2022 22:44

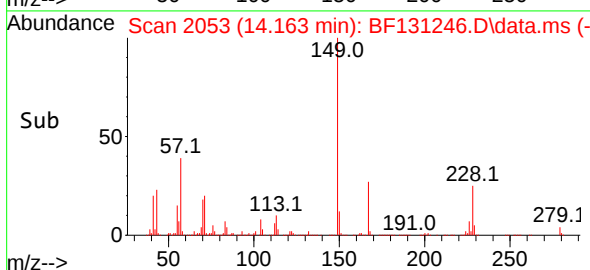
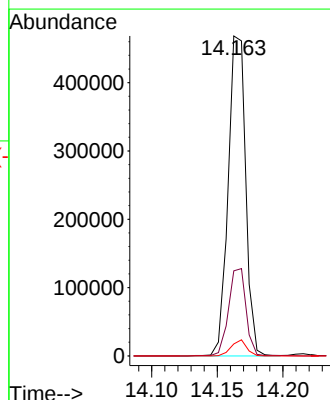
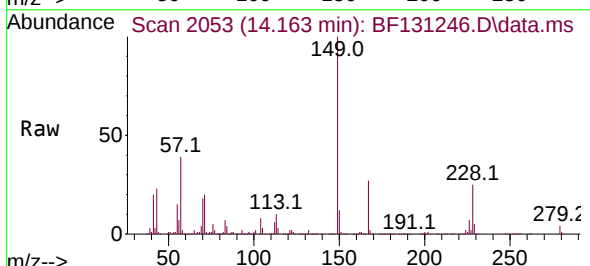
Tgt Ion:149 Resp: 437578

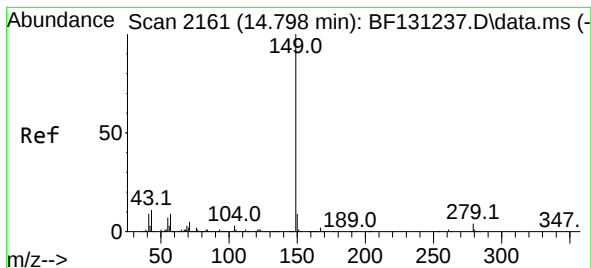
Ion Ratio Lower Upper

149 100

167 26.6 20.9 31.3

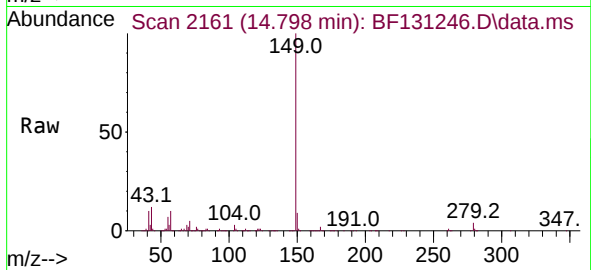
279 3.7 3.1 4.7





#85  
Di-n-octyl phthalate  
Concen: 41.471 ng  
RT: 14.798 min Scan# 2161  
Delta R.T. 0.000 min  
Lab File: BF131246.D  
Acq: 15 Nov 2022 22:44

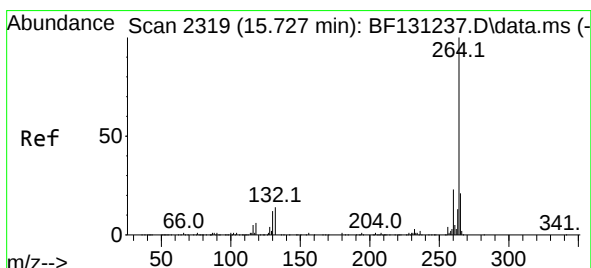
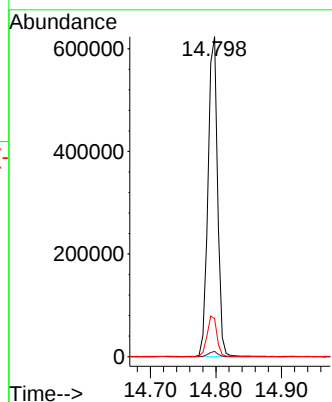
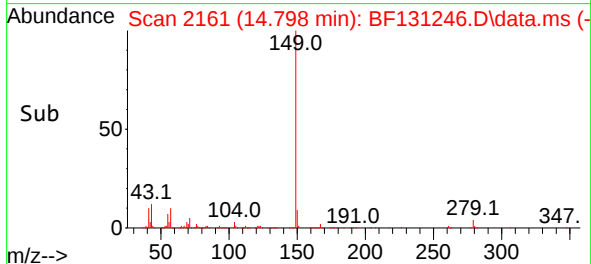
Instrument :  
BNA\_F  
ClientSampleId :  
PB148948BS



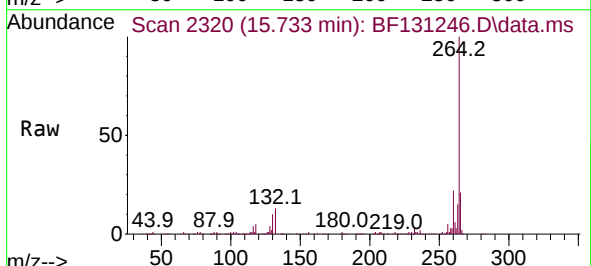
Tgt Ion:149 Resp: 626307  
Ion Ratio Lower Upper  
149 100  
167 1.5 1.3 1.9  
43 12.9 10.1 15.1

Manual Integrations  
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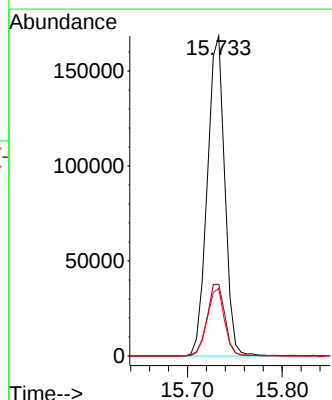
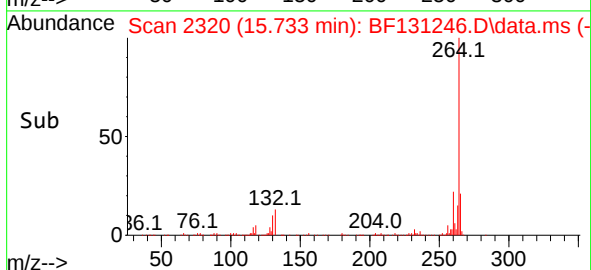
Reviewed By :Christian Giraldo 11/16/2022  
Supervised By :Jagrut Upadhyay 11/16/2022

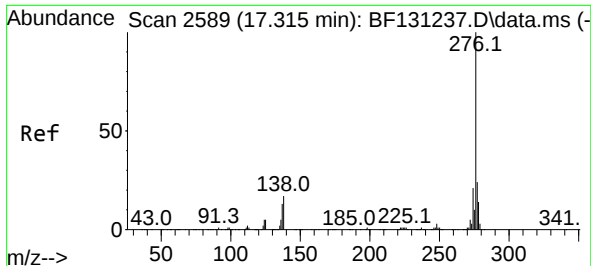


#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.733 min Scan# 2320  
Delta R.T. 0.006 min  
Lab File: BF131246.D  
Acq: 15 Nov 2022 22:44



Tgt Ion:264 Resp: 215943  
Ion Ratio Lower Upper  
264 100  
260 22.4 18.6 27.8  
265 21.2 16.6 24.8





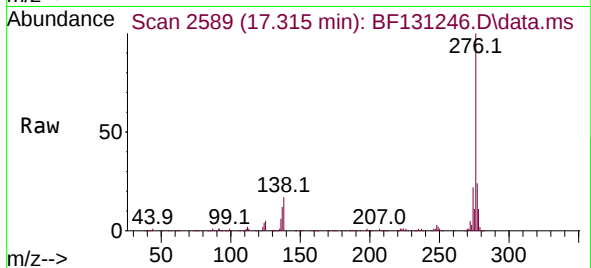
#87  
 Indeno(1,2,3-cd)pyrene  
 Concen: 40.748 ng  
 RT: 17.315 min Scan# 2589  
 Delta R.T. 0.000 min  
 Lab File: BF131246.D  
 Acq: 15 Nov 2022 22:44

Instrument :

BNA\_F

ClientSampleId :

PB148948BS

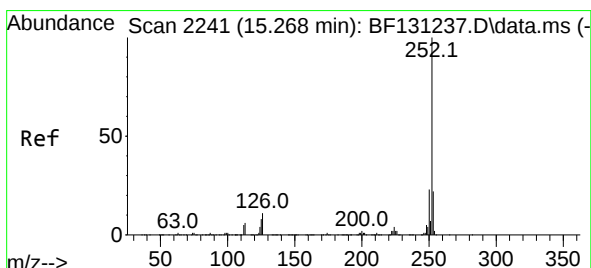
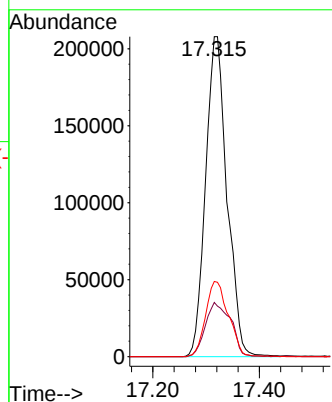
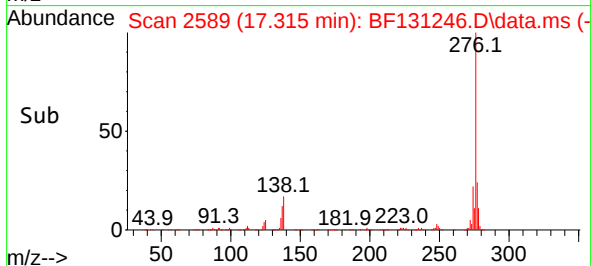


Tgt Ion:276 Resp: 581309  
 Ion Ratio Lower Upper  
 276 100  
 138 20.1 16.6 24.8  
 277 25.0 20.2 30.2

Manual Integrations

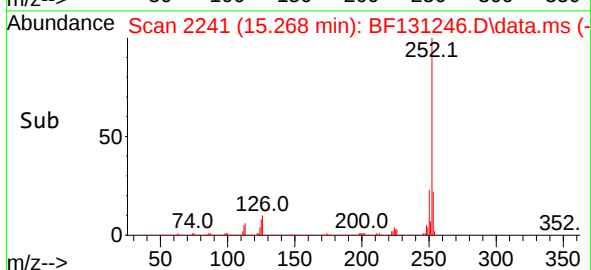
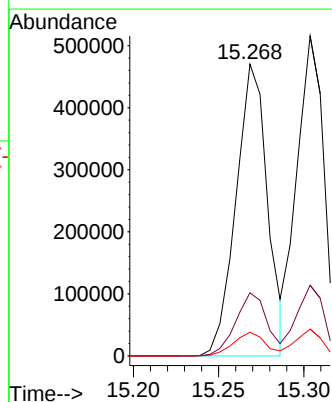
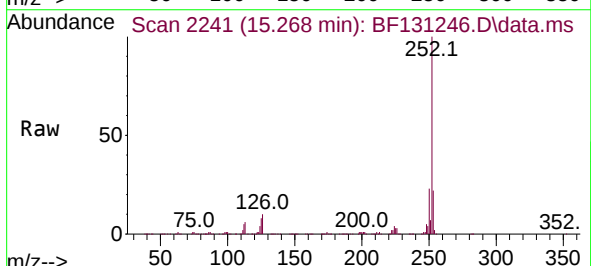
APPROVED

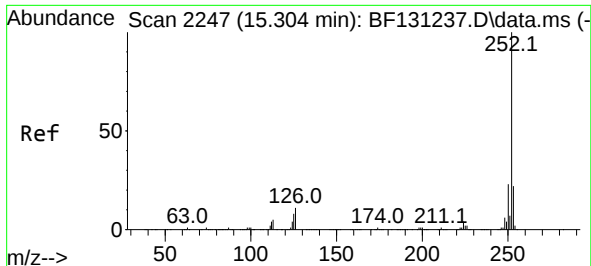
Reviewed By :Christian Giraldo 11/16/2022  
 Supervised By :Jagrut Upadhyay 11/16/2022



#88  
 Benzo(b)fluoranthene  
 Concen: 40.071 ng  
 RT: 15.268 min Scan# 2241  
 Delta R.T. 0.000 min  
 Lab File: BF131246.D  
 Acq: 15 Nov 2022 22:44

Tgt Ion:252 Resp: 604148  
 Ion Ratio Lower Upper  
 252 100  
 253 21.6 17.3 25.9  
 125 8.1 6.6 9.8





#89

Benzo(k)fluoranthene

Concen: 38.357 ng

RT: 15.304 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF131246.D

Acq: 15 Nov 2022 22:44

Instrument :

BNA\_F

ClientSampleId :

PB148948BS

Tgt Ion:252 Resp: 573299

Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

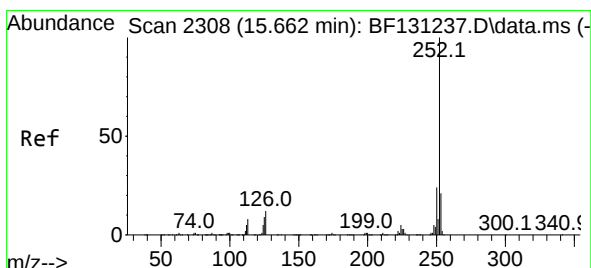
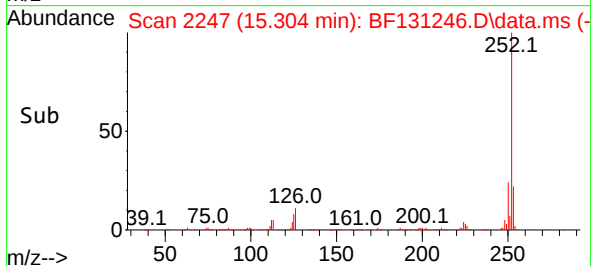
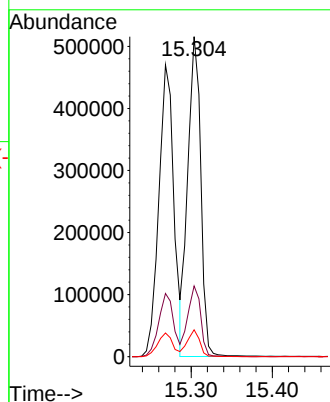
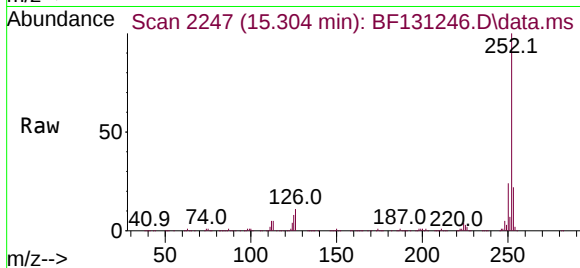
125 8.4 6.6 9.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/16/2022

Supervised By :Jagrut Upadhyay 11/16/2022



#90

Benzo(a)pyrene

Concen: 42.356 ng

RT: 15.668 min Scan# 2309

Delta R.T. 0.006 min

Lab File: BF131246.D

Acq: 15 Nov 2022 22:44

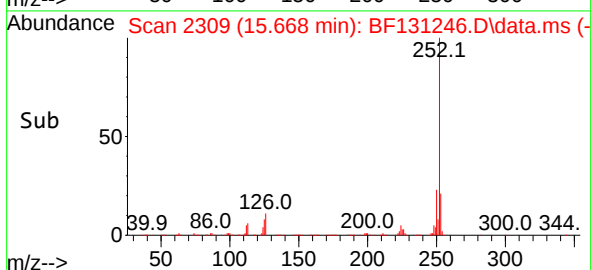
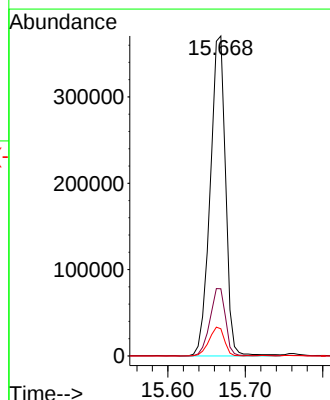
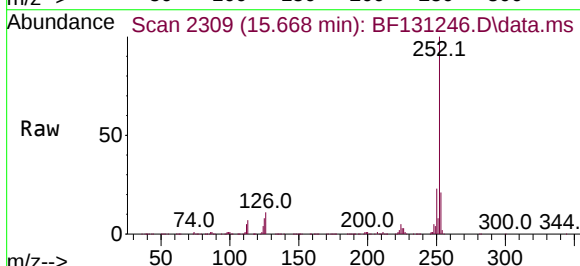
Tgt Ion:252 Resp: 510481

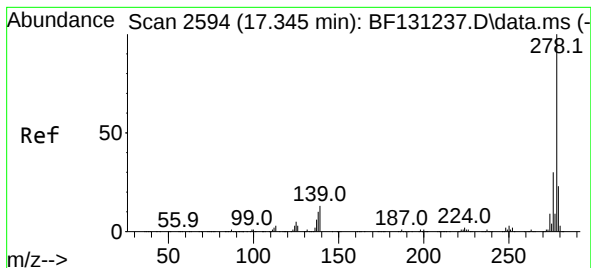
Ion Ratio Lower Upper

252 100

253 21.0 16.9 25.3

125 8.5 7.0 10.4





#91

Dibenzo(a,h)anthracene

Concen: 41.492 ng

RT: 17.345 min Scan# 2594

Delta R.T. 0.000 min

Lab File: BF131246.D

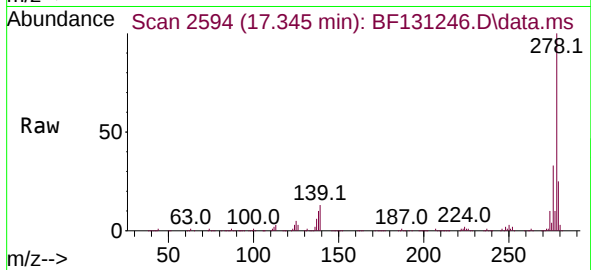
Acq: 15 Nov 2022 22:44

Instrument :

BNA\_F

ClientSampleId :

PB148948BS



Tgt Ion:278 Resp: 485631

Ion Ratio Lower Upper

278 100

139 13.0 10.1 15.1

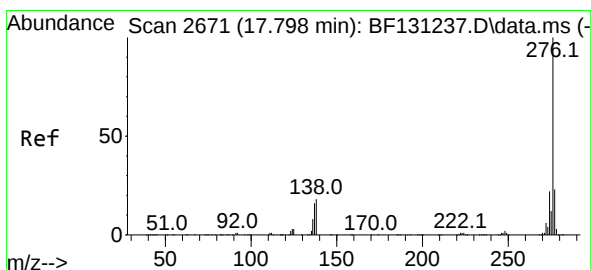
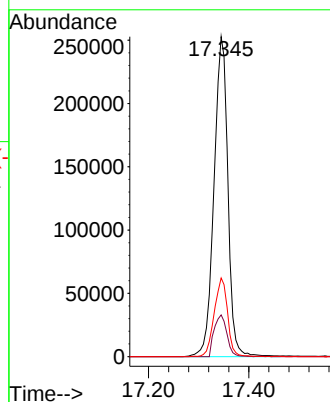
279 24.6 18.2 27.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/16/2022

Supervised By :Jagrut Upadhyay 11/16/2022



#92

Benzo(g,h,i)perylene

Concen: 38.065 ng

RT: 17.804 min Scan# 2672

Delta R.T. 0.006 min

Lab File: BF131246.D

Acq: 15 Nov 2022 22:44

Tgt Ion:276 Resp: 488170

Ion Ratio Lower Upper

276 100

277 22.9 18.6 27.8

138 17.6 14.5 21.7

