

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF120922\  
 Data File : BF131565.D  
 Acq On : 09 Dec 2022 14:20  
 Operator : CG\JU  
 Sample : PB149479BS  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB149479BS

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 12/10/2022  
 Supervised By : Jagrut Upadhyay 12/12/2022

Quant Time: Dec 10 03:57:46 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF120822.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 09 06:08:27 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.910  | 152  | 54309    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.198  | 136  | 195191   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.963  | 164  | 117714   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.457 | 188  | 229718   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.110 | 240  | 131945   | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 15.615 | 264  | 108893   | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.528  | 112  | 478536   | 146.999 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.540  | 99   | 612008   | 143.464 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.481  | 82   | 435847   | 84.420  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.763 | 330  | 205510   | 157.137 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.281  | 172  | 799827   | 85.672  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.051 | 244  | 974601   | 101.298 | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.746  | 88   | 53893    | 36.677  | ng    | 99       |
| 3) Pyridine                   | 3.499  | 79   | 149485   | 36.642  | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.469  | 42   | 97046    | 43.133  | ng    | 93       |
| 6) Aniline                    | 6.575  | 93   | 216897   | 42.513  | ng    | 98       |
| 8) 2-Chlorophenol             | 6.692  | 128  | 155246   | 45.001  | ng    | 94       |
| 9) Benzaldehyde               | 6.457  | 77   | 78574    | 26.887  | ng    | 94       |
| 10) Phenol                    | 6.551  | 94   | 215692m  | 45.329  | ng    |          |
| 11) bis(2-Chloroethyl)ether   | 6.645  | 93   | 161811   | 45.365  | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 6.851  | 146  | 175167   | 43.795  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.928  | 146  | 174549   | 43.265  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 7.081  | 146  | 166749   | 43.267  | ng    | 96       |
| 15) Benzyl Alcohol            | 7.057  | 79   | 169309   | 43.291  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.187  | 45   | 203563   | 44.181  | ng    | 99       |
| 17) 2-Methylphenol            | 7.163  | 107  | 138612   | 44.582  | ng    | 98       |
| 18) Hexachloroethane          | 7.422  | 117  | 71340    | 43.835  | ng    | 92       |
| 19) n-Nitroso-di-n-propyla... | 7.328  | 70   | 141315   | 44.178  | ng    | 99       |
| 20) 3+4-Methylphenols         | 7.316  | 107  | 183801   | 43.402  | ng    | 93       |
| 22) Acetophenone              | 7.322  | 105  | 270461   | 44.216  | ng    | 99       |
| 24) Nitrobenzene              | 7.498  | 77   | 217642   | 41.796  | ng    | 99       |
| 25) Isophorone                | 7.739  | 82   | 381150   | 45.833  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.816  | 139  | 82550    | 46.488  | ng    | 96       |
| 27) 2,4-Dimethylphenol        | 7.851  | 122  | 139841m  | 51.379  | ng    |          |
| 28) bis(2-Chloroethoxy)met... | 7.945  | 93   | 203444   | 47.291  | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 8.057  | 162  | 144604   | 42.968  | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 8.139  | 180  | 171815   | 41.631  | ng    | 98       |
| 31) Naphthalene               | 8.222  | 128  | 452254   | 41.137  | ng    | 100      |
| 32) Benzoic acid              | 7.975  | 122  | 86880    | 44.076  | ng    | 95       |
| 33) 4-Chloroaniline           | 8.269  | 127  | 120004   | 29.121  | ng    | 95       |
| 34) Hexachlorobutadiene       | 8.334  | 225  | 120251   | 41.342  | ng    | 99       |
| 35) Caprolactam               | 8.645  | 113  | 43162m   | 49.580  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.751  | 107  | 167368   | 44.289  | ng    | 98       |
| 37) 2-Methylnaphthalene       | 8.916  | 142  | 313413   | 41.685  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 9.016  | 142  | 295347   | 40.921  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.081  | 216  | 191297   | 43.900  | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 9.069  | 237  | 266587   | 120.532 | ng    | 96       |
| 43) 2,4,6-Trichlorophenol     | 9.192  | 196  | 114502   | 42.483  | ng    | 98       |

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 Sample : PB149479BS  
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Manual Integrations  
 APPROVED

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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 09 06:08:27 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.233  | 196  | 125115   | 43.164 | ng    | 96       |
| 46) 1,1'-Biphenyl             | 9.386  | 154  | 405607   | 43.580 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 9.410  | 162  | 320628   | 42.283 | ng    | 98       |
| 48) 2-Nitroaniline            | 9.504  | 65   | 119996   | 44.672 | ng    | 98       |
| 49) Acenaphthylene            | 9.828  | 152  | 488600   | 43.884 | ng    | 100      |
| 50) Dimethylphthalate         | 9.686  | 163  | 395115   | 44.031 | ng    | 98       |
| 51) 2,6-Dinitrotoluene        | 9.751  | 165  | 85374    | 46.085 | ng    | # 84     |
| 52) Acenaphthene              | 9.998  | 154  | 366173m  | 49.093 | ng    |          |
| 53) 3-Nitroaniline            | 9.922  | 138  | 57517    | 32.359 | ng    | 95       |
| 54) 2,4-Dinitrophenol         | 10.028 | 184  | 101294   | 94.722 | ng    | 94       |
| 55) Dibenzofuran              | 10.175 | 168  | 456598   | 43.325 | ng    | 97       |
| 56) 4-Nitrophenol             | 10.080 | 139  | 119375   | 96.678 | ng    | 90       |
| 57) 2,4-Dinitrotoluene        | 10.157 | 165  | 113640   | 46.243 | ng    | 99       |
| 58) Fluorene                  | 10.516 | 166  | 373349   | 43.577 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.286 | 232  | 105273m  | 42.889 | ng    |          |
| 60) Diethylphthalate          | 10.386 | 149  | 386971   | 44.938 | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 10.510 | 204  | 210637   | 44.488 | ng    | 94       |
| 62) 4-Nitroaniline            | 10.539 | 138  | 78870    | 44.778 | ng    | 99       |
| 63) Azobenzene                | 10.669 | 77   | 428166   | 43.594 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 10.563 | 198  | 64141    | 44.084 | ng    | 94       |
| 66) n-Nitrosodiphenylamine    | 10.628 | 169  | 313787   | 42.252 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.998 | 248  | 127228   | 43.053 | ng    | 96       |
| 68) Hexachlorobenzene         | 11.063 | 284  | 138193   | 43.233 | ng    | # 95     |
| 69) Atrazine                  | 11.157 | 200  | 122619   | 51.993 | ng    | 98       |
| 70) Pentachlorophenol         | 11.257 | 266  | 152578   | 92.720 | ng    | 99       |
| 71) Phenanthrene              | 11.486 | 178  | 543862   | 42.475 | ng    | 99       |
| 72) Anthracene                | 11.539 | 178  | 561341   | 45.061 | ng    | 98       |
| 73) Carbazole                 | 11.692 | 167  | 464069   | 45.639 | ng    | 99       |
| 74) Di-n-butylphthalate       | 12.016 | 149  | 590691   | 47.352 | ng    | 99       |
| 75) Fluoranthene              | 12.674 | 202  | 591405   | 44.855 | ng    | 98       |
| 77) Benzidine                 | 12.798 | 184  | 240242   | 67.955 | ng    | 99       |
| 78) Pyrene                    | 12.910 | 202  | 593395   | 45.609 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.527 | 149  | 188298   | 50.011 | ng    | 93       |
| 81) Benzo(a)anthracene        | 14.098 | 228  | 422632   | 44.354 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 14.063 | 252  | 99260    | 36.614 | ng    | 97       |
| 83) Chrysene                  | 14.139 | 228  | 395411   | 43.649 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.080 | 149  | 219163   | 43.060 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.704 | 149  | 318081   | 38.949 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.162 | 276  | 383445   | 43.148 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.174 | 252  | 318869   | 44.430 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.204 | 252  | 323468   | 43.181 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.557 | 252  | 283447   | 46.278 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.180 | 278  | 329178   | 45.006 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.633 | 276  | 326379   | 44.401 | ng    | 99       |

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

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 Operator : CG\JU  
 Sample : PB149479BS  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

## Instrument :

BNA\_F

## ClientSampleId :

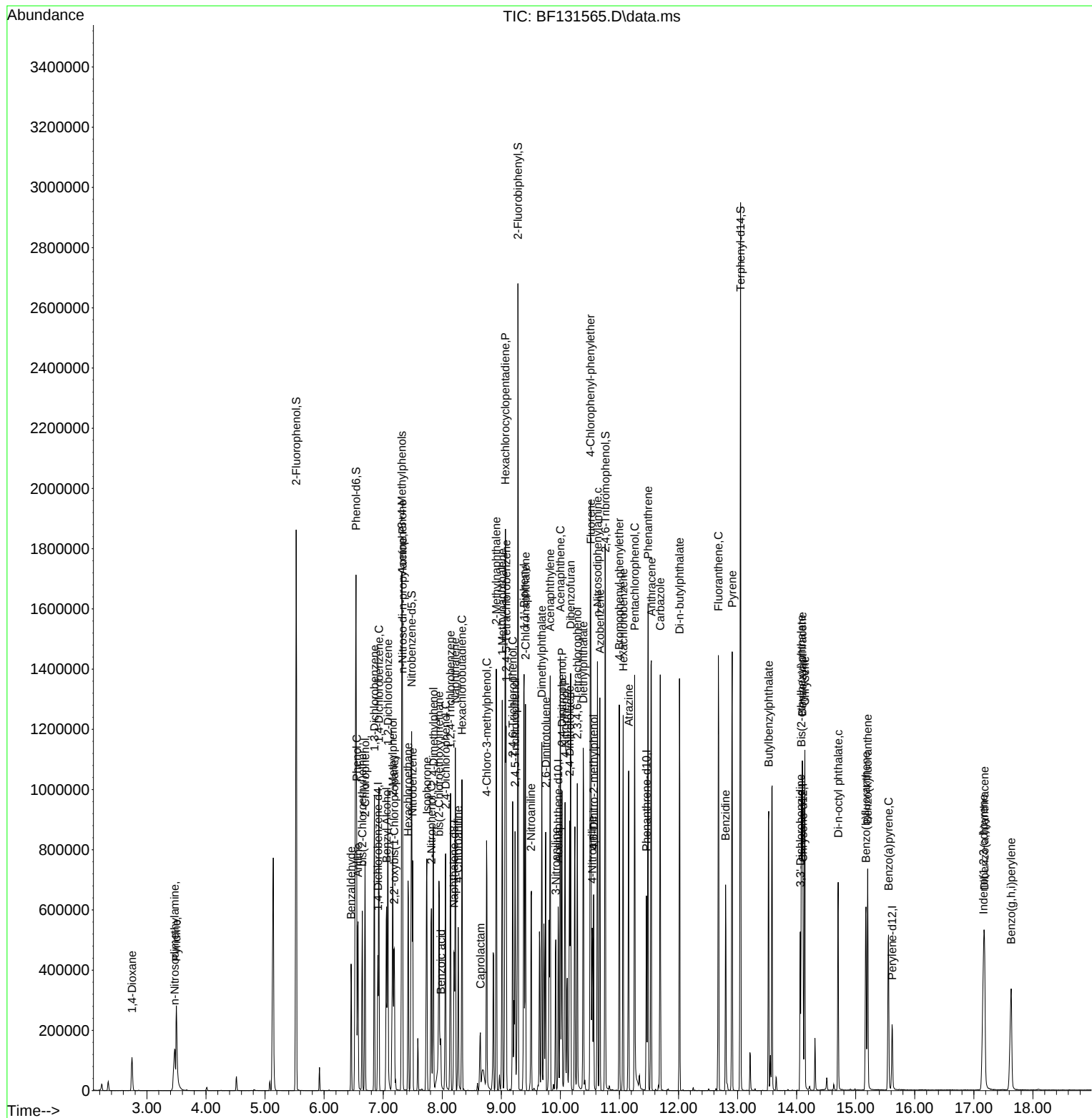
PB149479BS

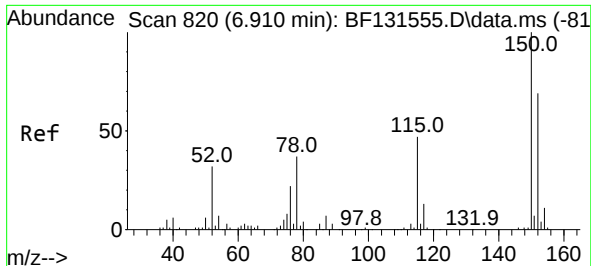
## Manual Integrations

## APPROVED

Reviewed By : Christian Giraldo 12/10/2022  
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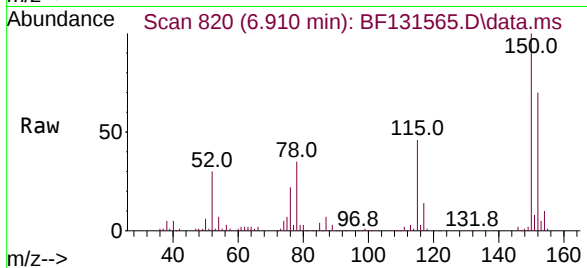
Quant Time: Dec 10 03:57:46 2022  
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#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.910 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20

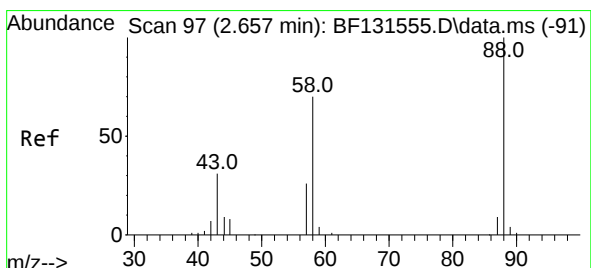
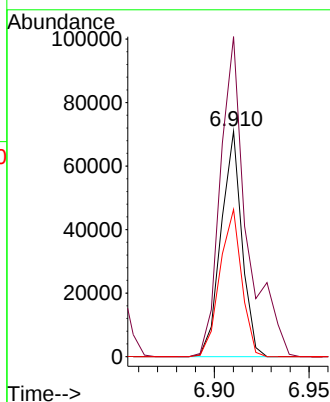
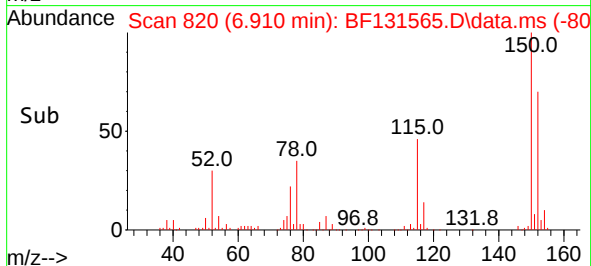
Instrument :  
BNA\_F  
ClientSampleId :  
PB149479BS



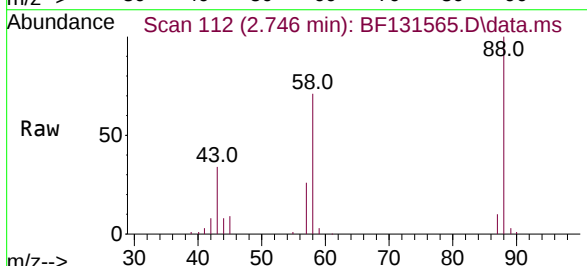
Tgt Ion:152 Resp: 54309  
Ion Ratio Lower Upper  
152 100  
150 142.0 116.7 175.1  
115 65.3 54.6 82.0

Manual Integrations  
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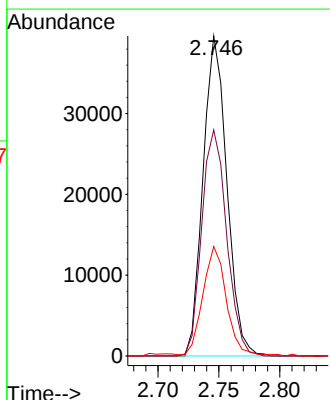
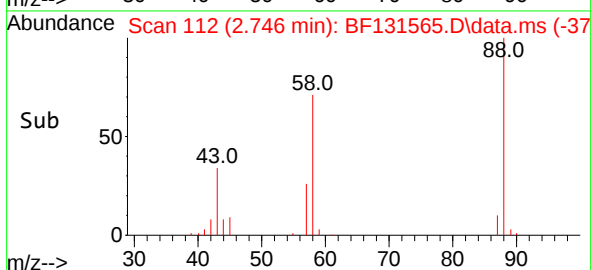
Reviewed By :Christian Giraldo 12/10/2022  
Supervised By :Jagrut Upadhyay 12/12/2022

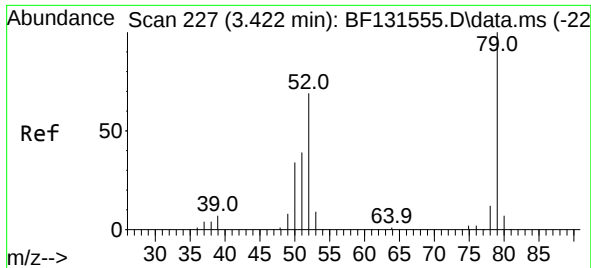


#2  
1,4-Dioxane  
Concen: 36.677 ng  
RT: 2.746 min Scan# 112  
Delta R.T. 0.088 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20



Tgt Ion: 88 Resp: 53893  
Ion Ratio Lower Upper  
88 100  
58 73.8 60.0 90.0  
43 34.0 26.7 40.1





#3

Pyridine

Concen: 36.642 ng

RT: 3.499 min Scan# 24

Delta R.T. 0.077 min

Lab File: BF131565.D

Acq: 09 Dec 2022 14:20

Instrument :

BNA\_F

ClientSampleId :

PB149479BS

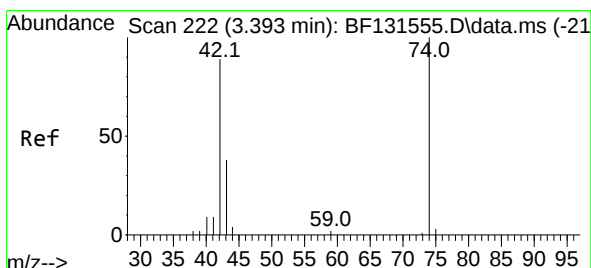
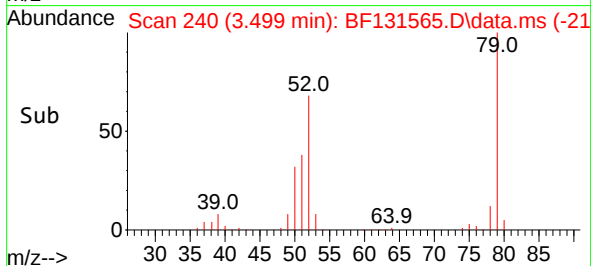
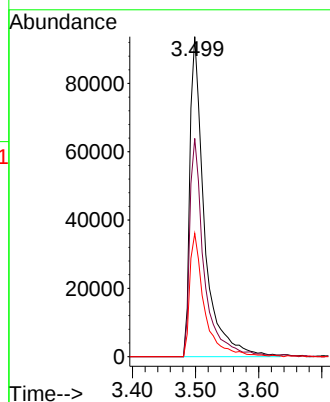
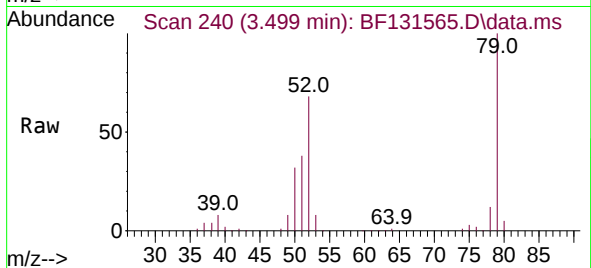
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 79    | Resp: | 14948 |
| Ion Ratio | Lower | Upper |       |
| 79        | 100   |       |       |
| 52        | 68.2  | 55.0  | 82.6  |
| 51        | 38.5  | 31.4  | 47.2  |

Manual Integrations

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Supervised By :Jagrut Upadhyay 12/12/2022



#4

n-Nitrosodimethylamine

Concen: 43.133 ng

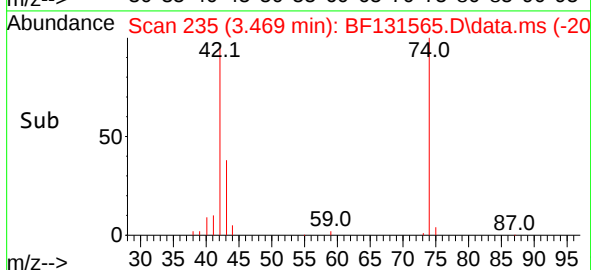
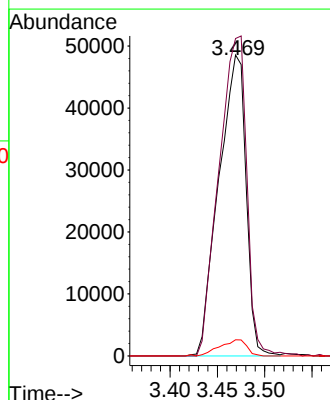
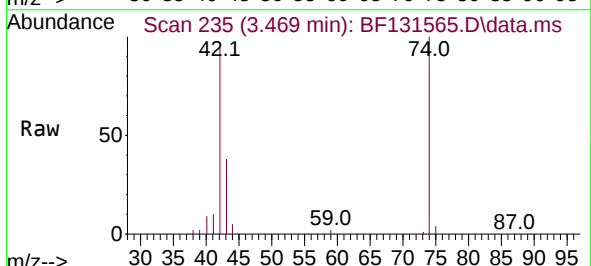
RT: 3.469 min Scan# 235

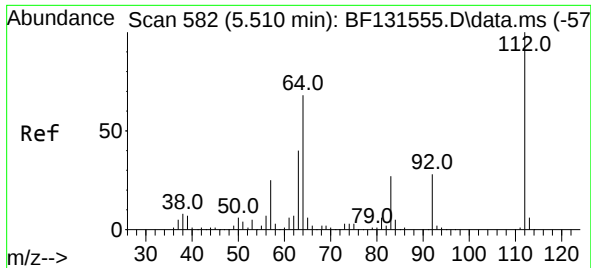
Delta R.T. 0.077 min

Lab File: BF131565.D

Acq: 09 Dec 2022 14:20

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 42    | Resp: | 97046 |
| Ion Ratio | Lower | Upper |       |
| 42        | 100   |       |       |
| 74        | 105.5 | 90.2  | 135.2 |
| 44        | 5.4   | 3.7   | 5.5   |





#5  
2-Fluorophenol  
Concen: 146.999 ng  
RT: 5.528 min Scan# 582  
Delta R.T. 0.018 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20

Instrument :

BNA\_F

ClientSampleId :

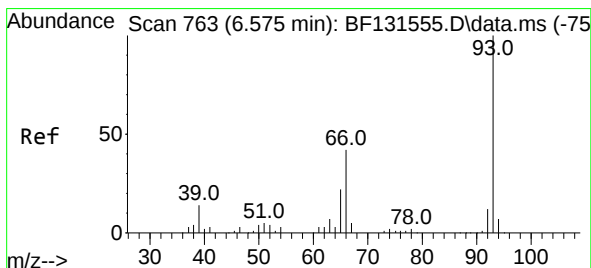
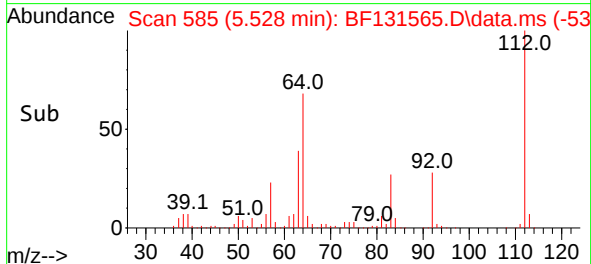
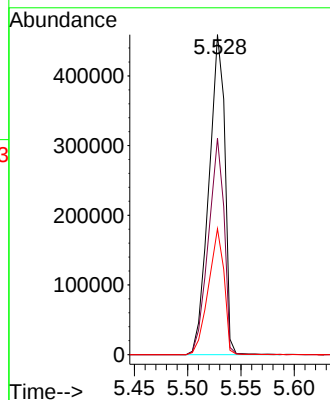
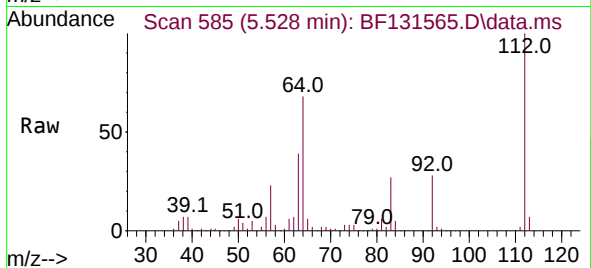
PB149479BS

Tgt Ion:112 Resp: 478536  
Ion Ratio Lower Upper  
112 100  
64 67.6 54.5 81.7  
63 39.3 31.9 47.9

Manual Integrations

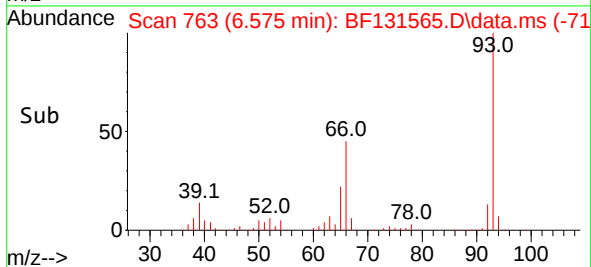
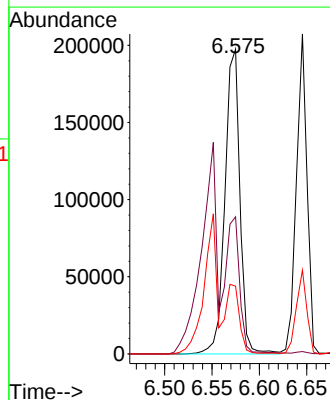
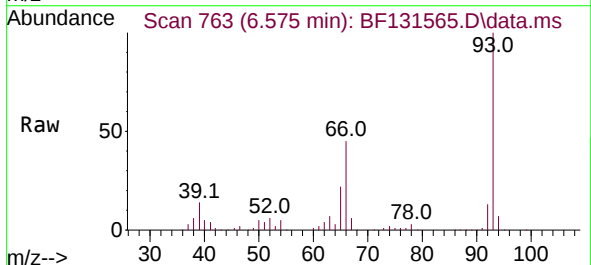
APPROVED

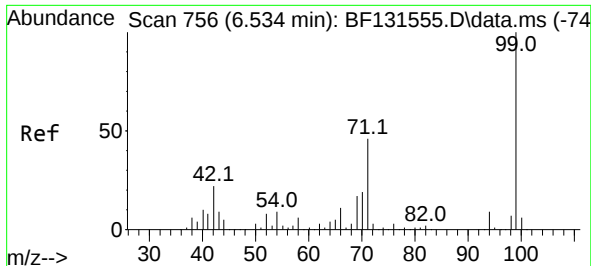
Reviewed By :Christian Giraldo 12/10/2022  
Supervised By :Jagrut Upadhyay 12/12/2022



#6  
Aniline  
Concen: 42.513 ng  
RT: 6.575 min Scan# 763  
Delta R.T. 0.000 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20

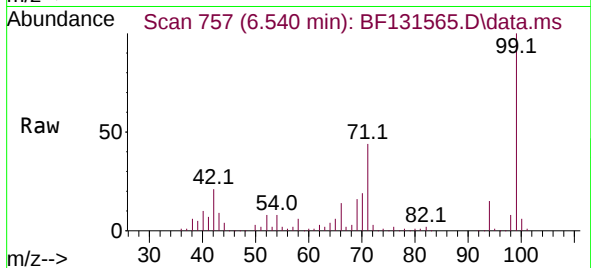
Tgt Ion: 93 Resp: 216897  
Ion Ratio Lower Upper  
93 100  
66 45.0 34.6 51.8  
65 22.2 17.7 26.5





#7  
Phenol-d6  
Concen: 143.464 ng  
RT: 6.540 min Scan# 756  
Delta R.T. 0.006 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20

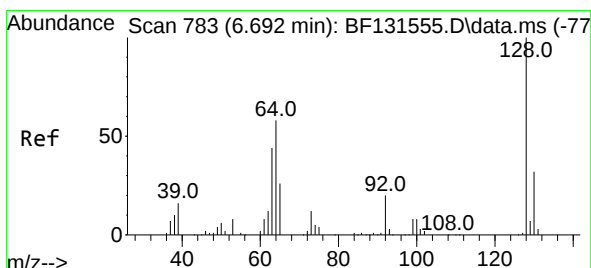
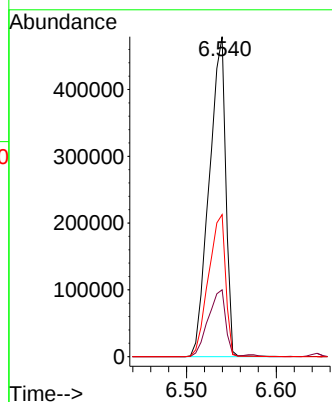
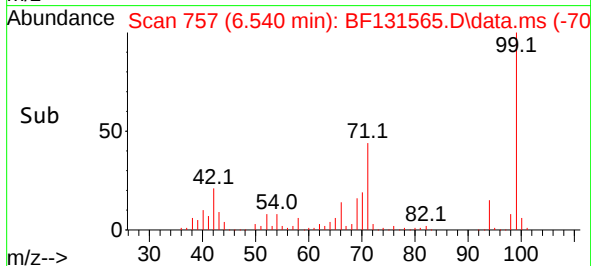
Instrument :  
BNA\_F  
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Tgt Ion: 99 Resp: 612008  
Ion Ratio Lower Upper  
99 100  
42 20.9 17.9 26.9  
71 44.4 37.2 55.8

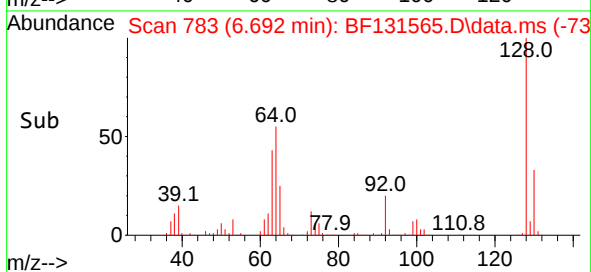
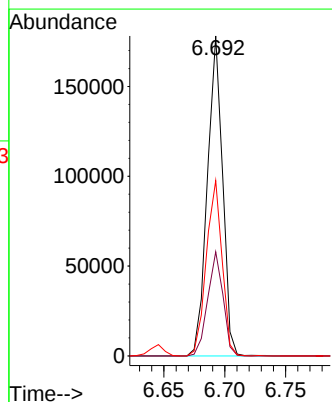
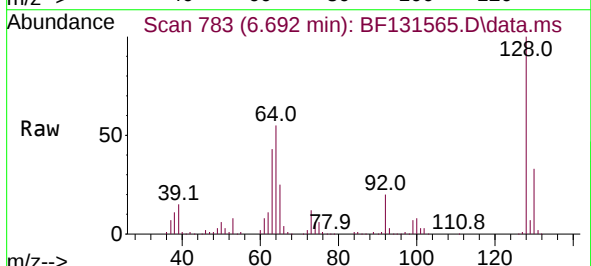
Manual Integrations  
APPROVED

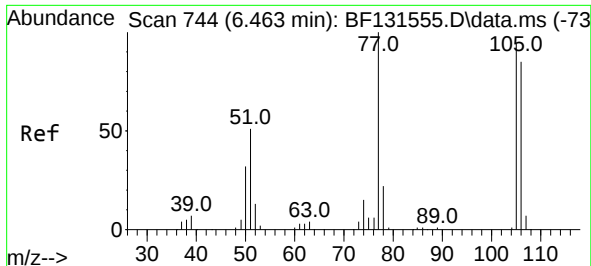
Reviewed By :Christian Giraldo 12/10/2022  
Supervised By :Jagrut Upadhyay 12/12/2022



#8  
2-Chlorophenol  
Concen: 45.001 ng  
RT: 6.692 min Scan# 783  
Delta R.T. 0.000 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20

Tgt Ion:128 Resp: 155246  
Ion Ratio Lower Upper  
128 100  
130 32.5 11.6 51.6  
64 54.8 40.6 80.6





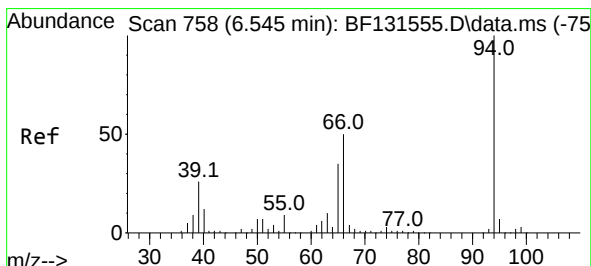
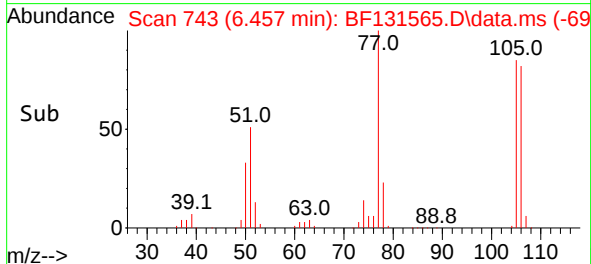
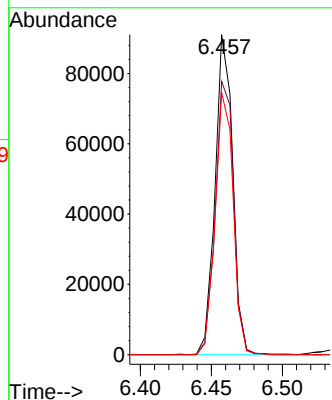
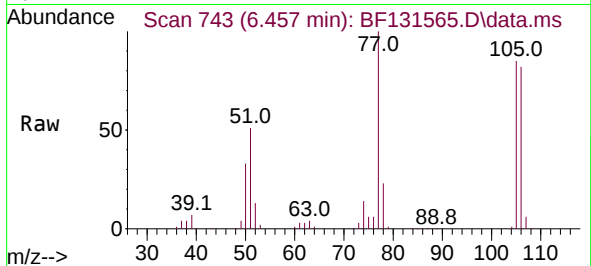
#9  
Benzaldehyde  
Concen: 26.887 ng  
RT: 6.457 min Scan# 744  
Delta R.T. -0.006 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20

Instrument :  
BNA\_F  
ClientSampleId :  
PB149479BS

Tgt Ion: 77 Resp: 78574  
Ion Ratio Lower Upper  
77 100  
105 85.4 73.8 113.8  
106 81.9 65.2 105.2

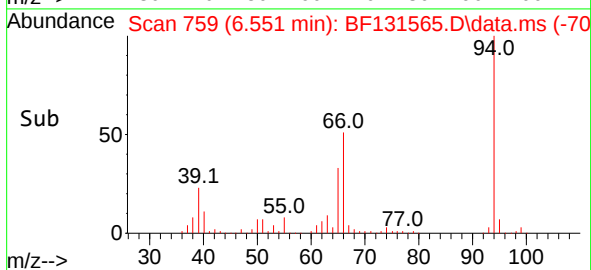
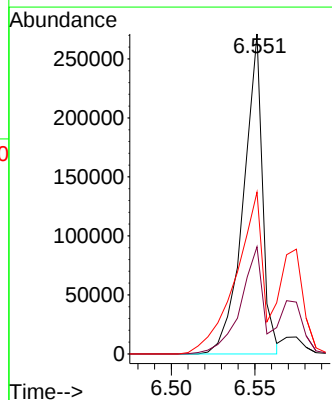
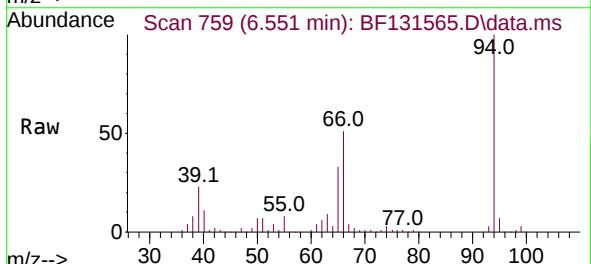
Manual Integrations  
APPROVED

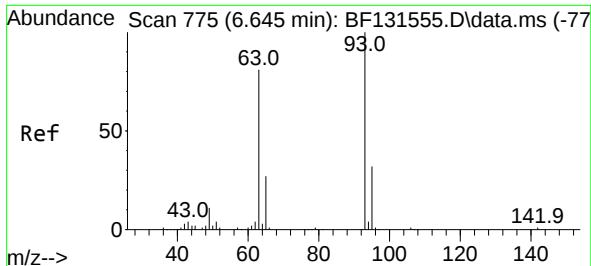
Reviewed By :Christian Giraldo 12/10/2022  
Supervised By :Jagrut Upadhyay 12/12/2022



#10  
Phenol  
Concen: 45.329 ng m  
RT: 6.551 min Scan# 759  
Delta R.T. 0.006 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20

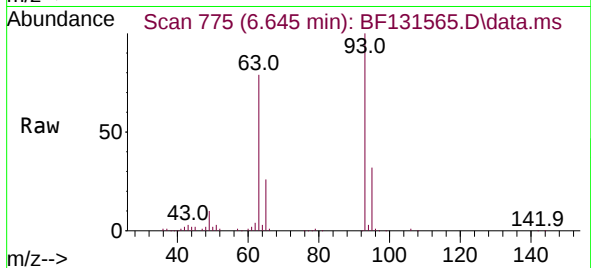
Tgt Ion: 94 Resp: 215692  
Ion Ratio Lower Upper  
94 100  
65 33.5 14.8 54.8  
66 50.5 30.8 70.8





#11  
bis(2-Chloroethyl)ether  
Concen: 45.365 ng  
RT: 6.645 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20

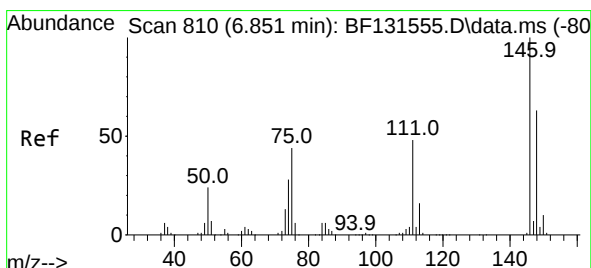
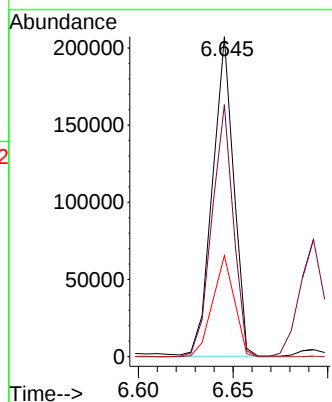
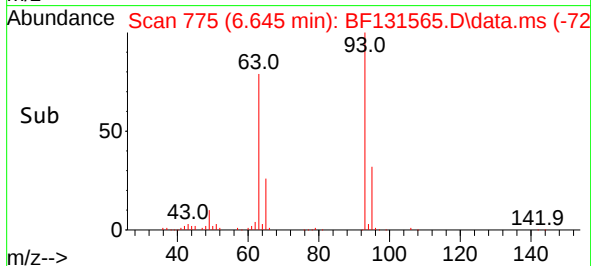
Instrument :  
BNA\_F  
ClientSampleId :  
PB149479BS



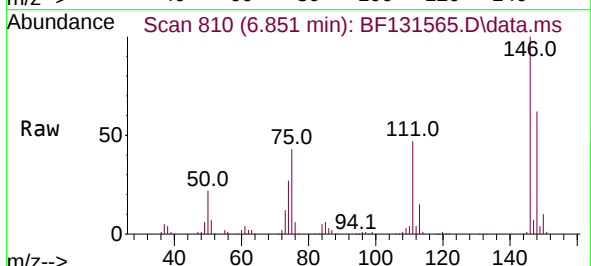
Tgt Ion: 93 Resp: 16181  
Ion Ratio Lower Upper  
93 100  
63 78.7 60.4 100.4  
95 31.6 12.3 52.3

Manual Integrations  
APPROVED

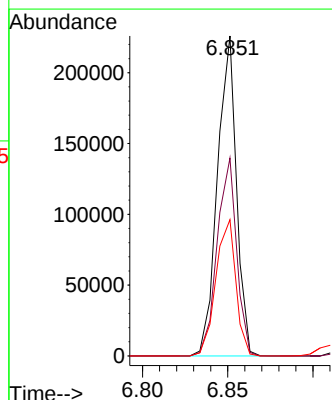
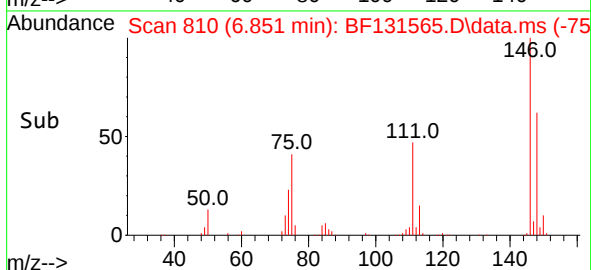
Reviewed By :Christian Giraldo 12/10/2022  
Supervised By :Jagrut Upadhyay 12/12/2022

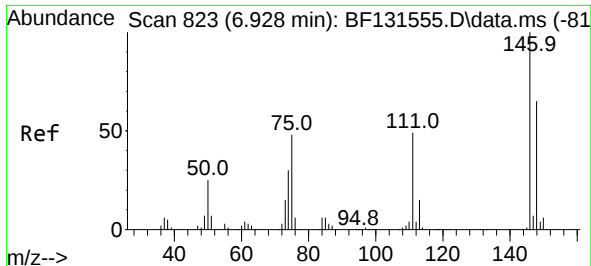


#12  
1,3-Dichlorobenzene  
Concen: 43.795 ng  
RT: 6.851 min Scan# 810  
Delta R.T. 0.000 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20



Tgt Ion:146 Resp: 175167  
Ion Ratio Lower Upper  
146 100  
148 61.8 50.7 76.1  
75 42.6 35.1 52.7





#13

1,4-Dichlorobenzene

Concen: 43.265 ng

RT: 6.928 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF131565.D

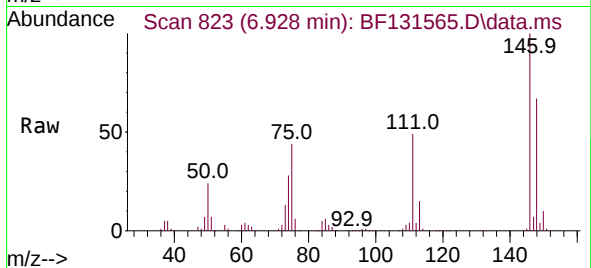
Acq: 09 Dec 2022 14:20

Instrument :

BNA\_F

ClientSampleId :

PB149479BS



Tgt Ion:146 Resp: 174549

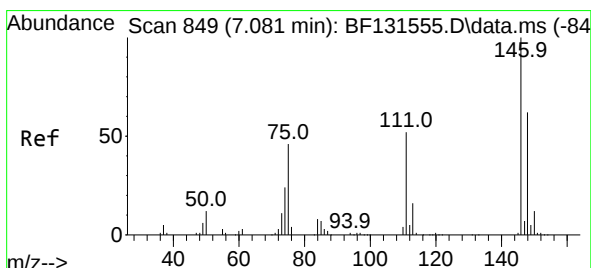
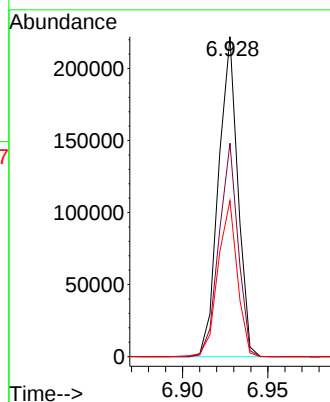
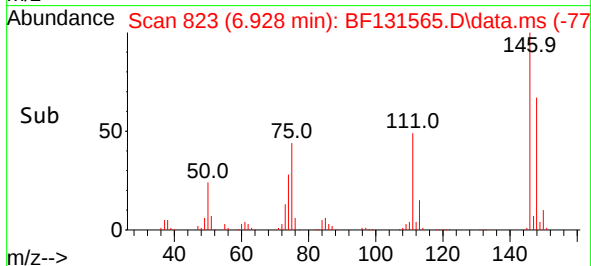
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 148 | 66.7  | 51.8  | 77.6  |
| 111 | 48.7  | 38.9  | 58.3  |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 12/10/2022

Supervised By :Jagrut Upadhyay 12/12/2022



#14

1,2-Dichlorobenzene

Concen: 43.267 ng

RT: 7.081 min Scan# 849

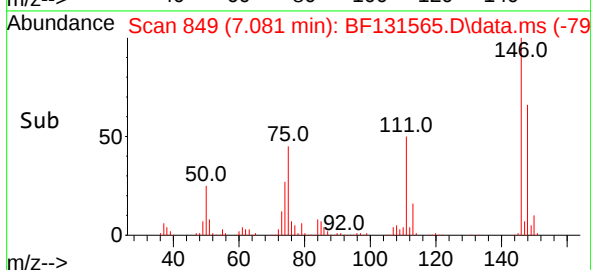
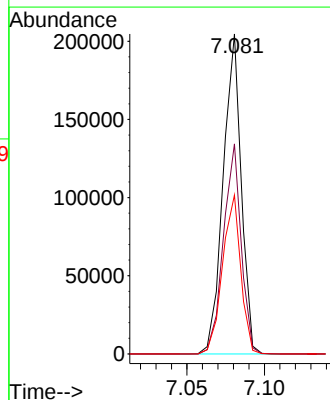
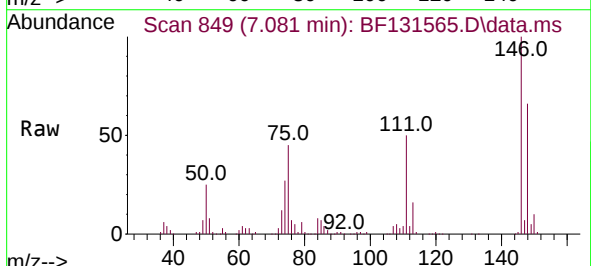
Delta R.T. 0.000 min

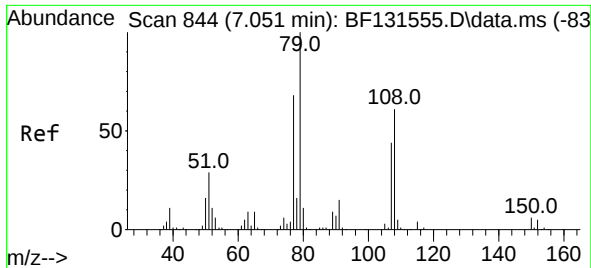
Lab File: BF131565.D

Acq: 09 Dec 2022 14:20

Tgt Ion:146 Resp: 166749

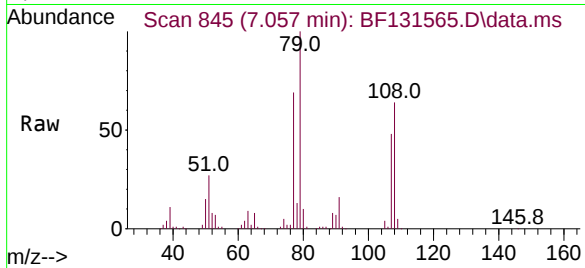
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 148 | 65.6  | 49.9  | 74.9  |
| 111 | 49.6  | 41.8  | 62.6  |





#15  
Benzyl Alcohol  
Concen: 43.291 ng  
RT: 7.057 min Scan# 844  
Delta R.T. 0.006 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20

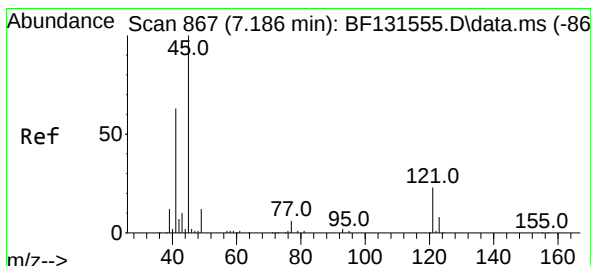
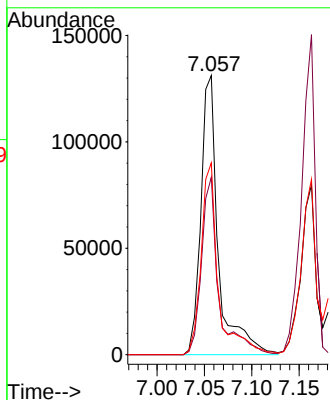
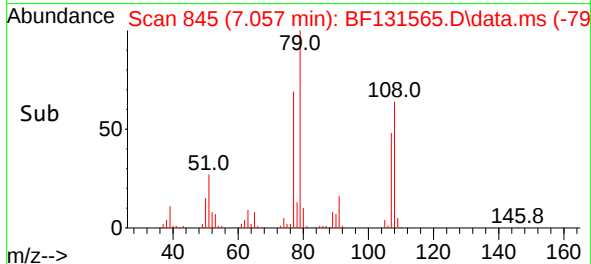
Instrument :  
BNA\_F  
ClientSampleId :  
PB149479BS



Tgt Ion: 79 Resp: 169309  
Ion Ratio Lower Upper  
79 100  
108 63.5 49.2 73.8  
77 68.7 54.5 81.7

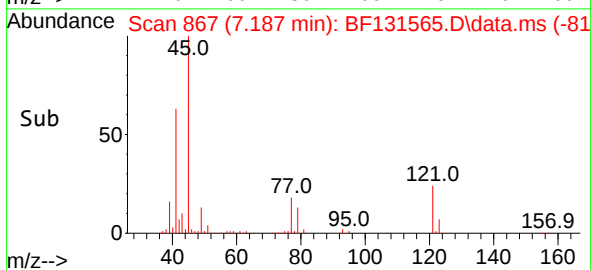
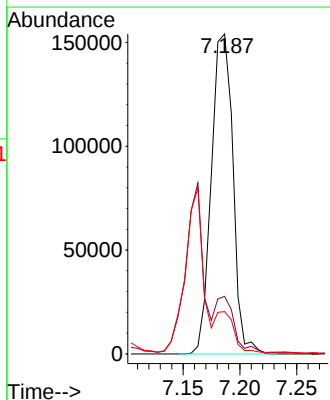
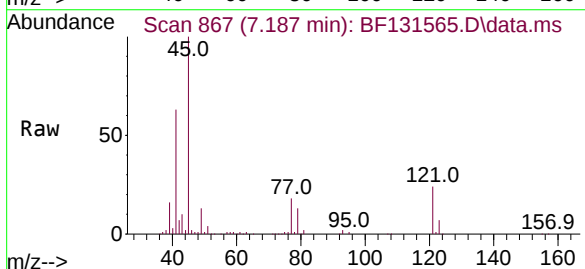
Manual Integrations  
APPROVED

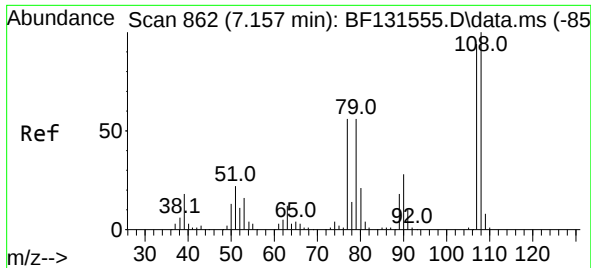
Reviewed By :Christian Giraldo 12/10/2022  
Supervised By :Jagrut Upadhyay 12/12/2022



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 44.181 ng  
RT: 7.187 min Scan# 867  
Delta R.T. 0.000 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20

Tgt Ion: 45 Resp: 203563  
Ion Ratio Lower Upper  
45 100  
77 18.0 0.0 37.7  
79 13.2 0.0 33.6





#17  
2-Methylphenol  
Concen: 44.582 ng  
RT: 7.163 min Scan# 80  
Delta R.T. 0.006 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20

Instrument :

BNA\_F

ClientSampleId :

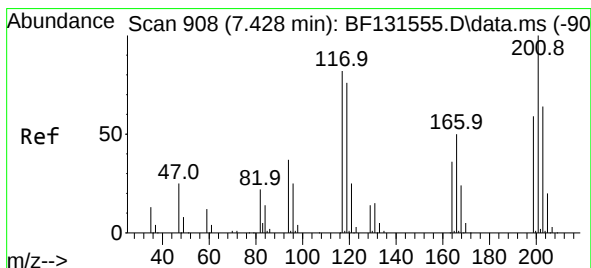
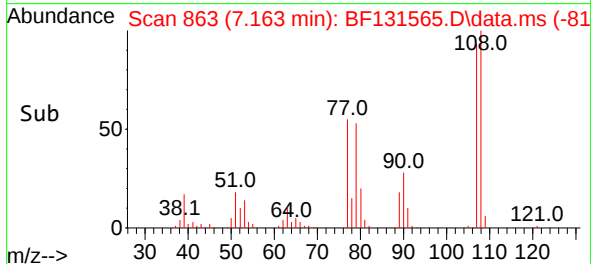
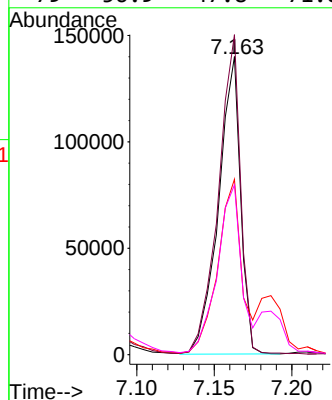
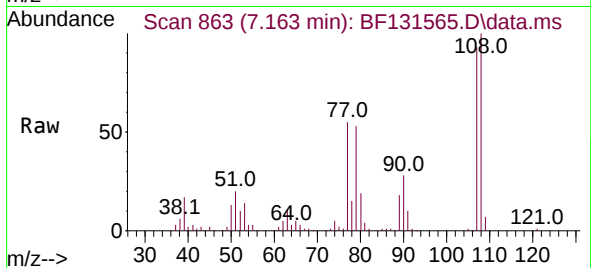
PB149479BS

Tgt Ion:107 Resp: 138612  
Ion Ratio Lower Upper  
107 100  
108 107.4 85.5 128.3  
77 58.8 48.2 72.4  
79 56.9 47.8 71.8

Manual Integrations

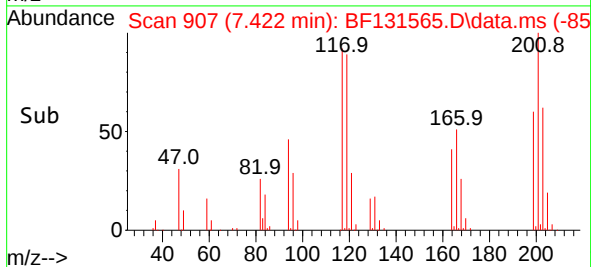
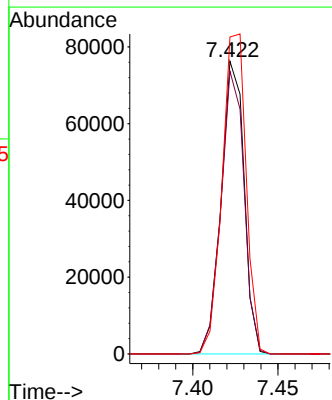
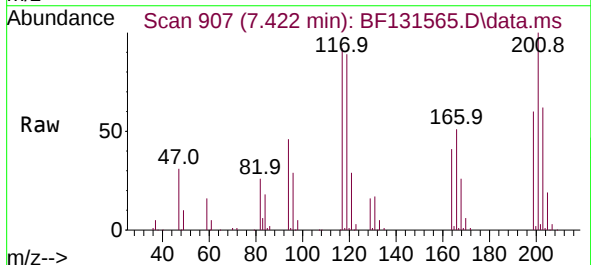
APPROVED

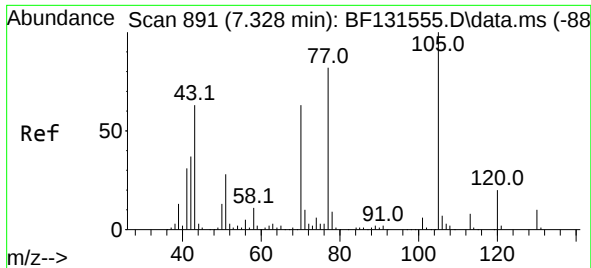
Reviewed By :Christian Giraldo 12/10/2022  
Supervised By :Jagrut Upadhyay 12/12/2022



#18  
Hexachloroethane  
Concen: 43.835 ng  
RT: 7.422 min Scan# 907  
Delta R.T. -0.006 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20

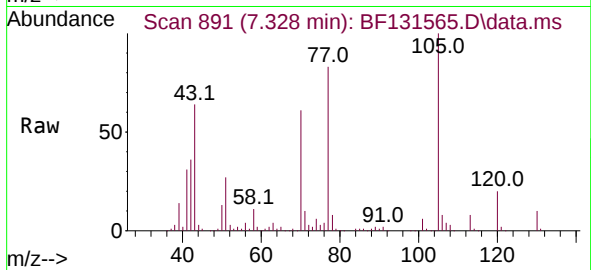
Tgt Ion:117 Resp: 71340  
Ion Ratio Lower Upper  
117 100  
119 96.6 75.0 112.4  
201 108.3 98.0 147.0





#19  
n-Nitroso-di-n-propylamine  
Concen: 44.178 ng  
RT: 7.328 min Scan# 891  
Delta R.T. 0.000 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20

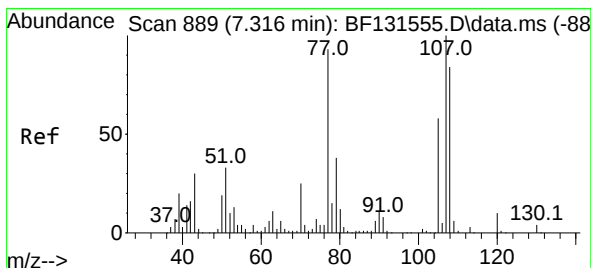
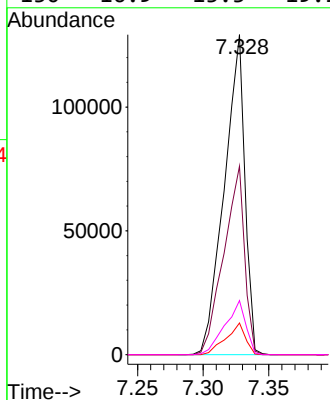
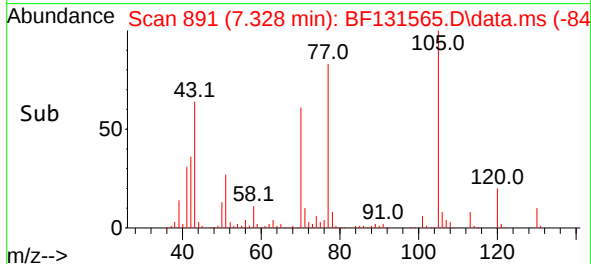
Instrument :  
BNA\_F  
ClientSampleId :  
PB149479BS



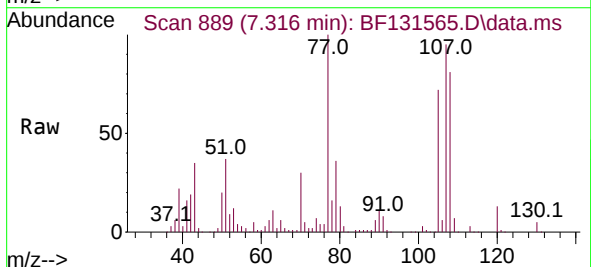
Tgt Ion: 70 Resp: 141315  
Ion Ratio Lower Upper  
70 100  
42 58.9 46.4 69.6  
101 9.9 7.2 10.8  
130 16.9 13.3 19.9

Manual Integrations  
APPROVED

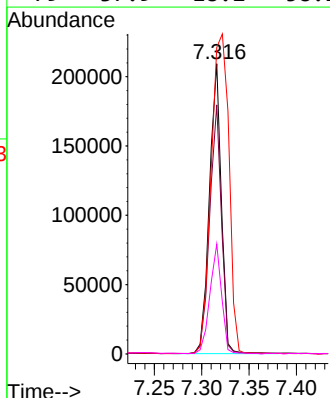
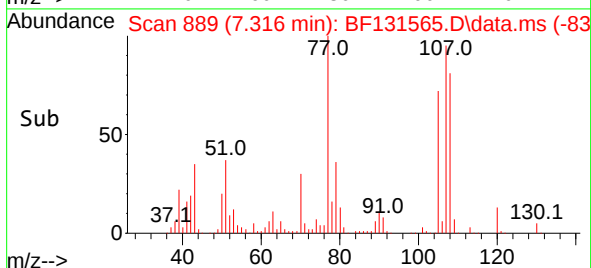
Reviewed By :Christian Giraldo 12/10/2022  
Supervised By :Jagrut Upadhyay 12/12/2022

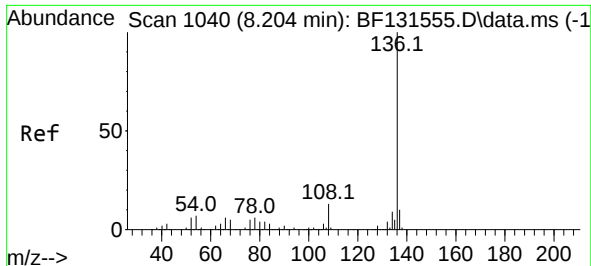


#20  
3+4-Methylphenols  
Concen: 43.402 ng  
RT: 7.316 min Scan# 889  
Delta R.T. 0.000 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20



Tgt Ion:107 Resp: 183801  
Ion Ratio Lower Upper  
107 100  
108 85.8 64.0 104.0  
77 105.6 73.1 113.1  
79 37.9 18.2 58.2





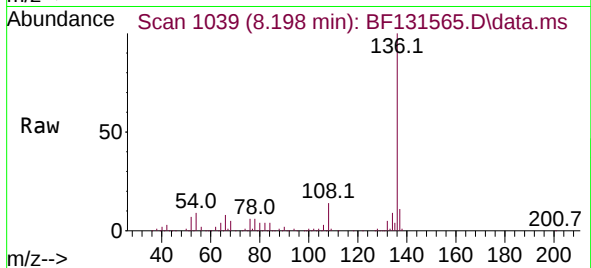
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.198 min Scan# 1040  
Delta R.T. -0.006 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20

Instrument :

BNA\_F

ClientSampleId :

PB149479BS

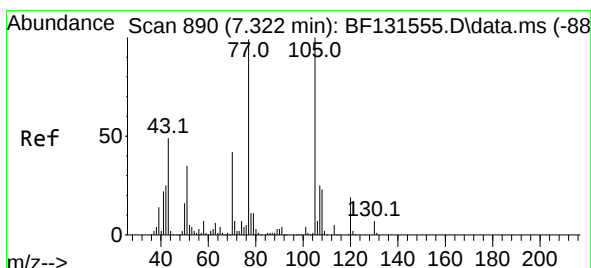
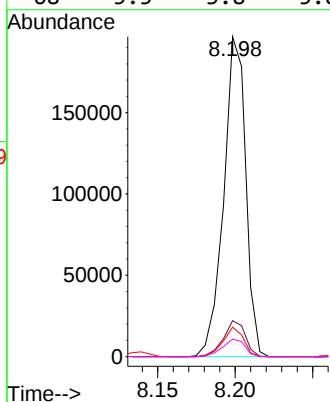
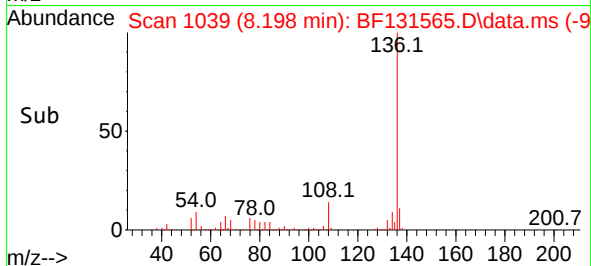


Tgt Ion:136 Resp: 195191  
Ion Ratio Lower Upper  
136 100  
137 11.2 8.1 12.1  
54 9.2 6.0 9.0  
68 5.5 3.8 5.8

Manual Integrations

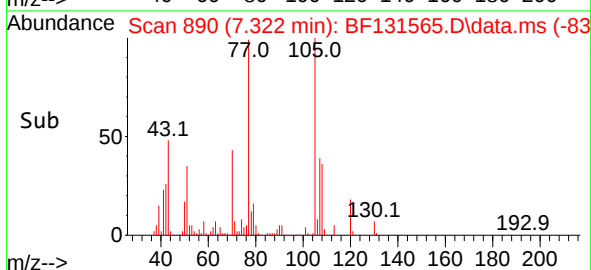
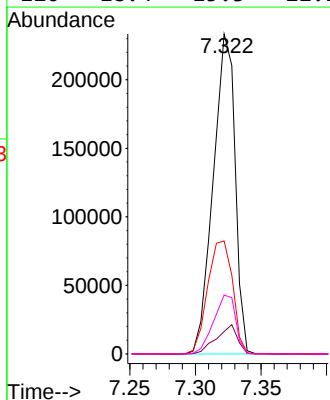
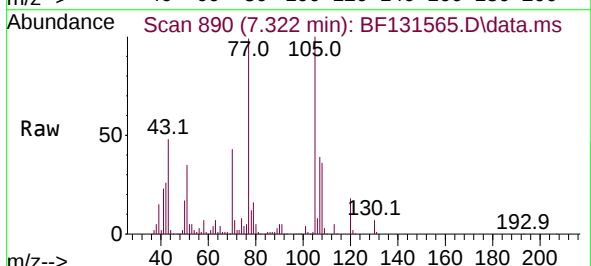
APPROVED

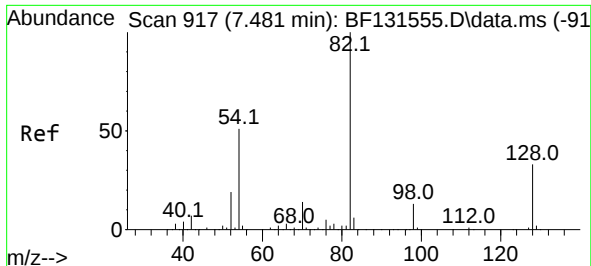
Reviewed By :Christian Giraldo 12/10/2022  
Supervised By :Jagrut Upadhyay 12/12/2022



#22  
Acetophenone  
Concen: 44.216 ng  
RT: 7.322 min Scan# 890  
Delta R.T. 0.000 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20

Tgt Ion:105 Resp: 270461  
Ion Ratio Lower Upper  
105 100  
71 7.0 5.4 8.0  
51 35.3 27.8 41.6  
120 18.4 15.3 22.9





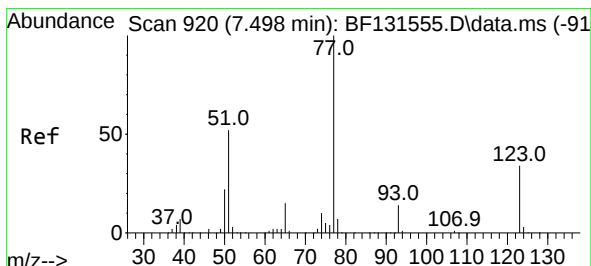
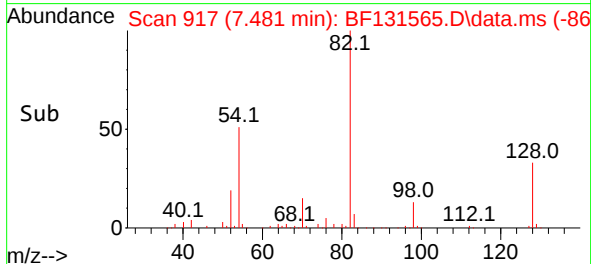
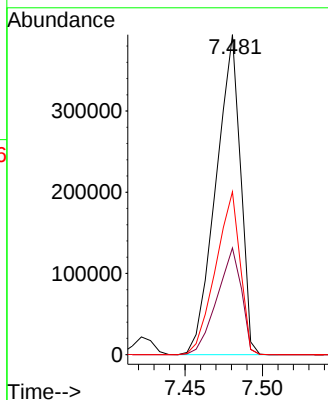
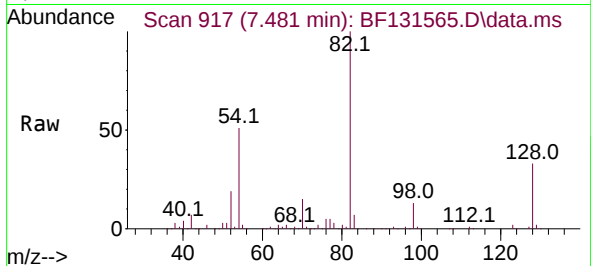
#23  
Nitrobenzene-d5  
Concen: 84.420 ng  
RT: 7.481 min Scan# 917  
Delta R.T. 0.000 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20

Instrument :  
BNA\_F  
ClientSampleId :  
PB149479BS

Tgt Ion: 82 Resp: 43584  
Ion Ratio Lower Upper  
82 100  
128 33.3 26.1 39.1  
54 50.9 40.6 60.8

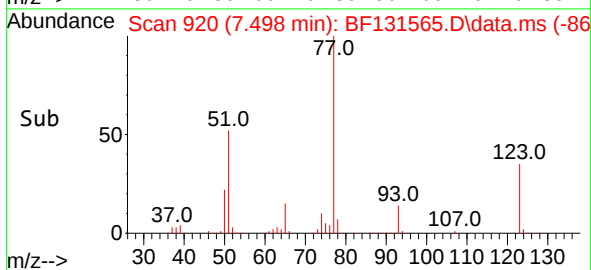
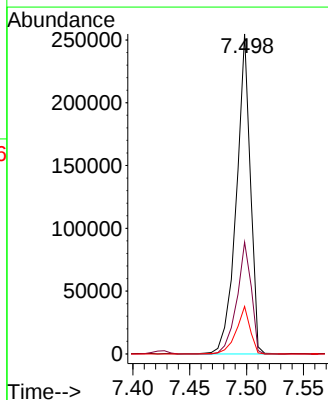
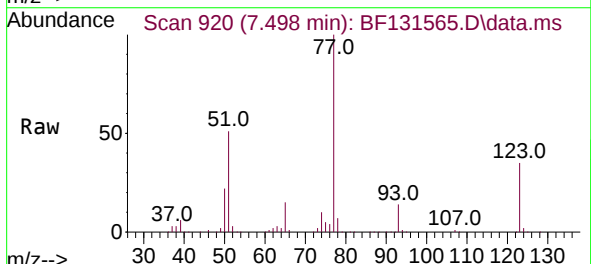
Manual Integrations  
APPROVED

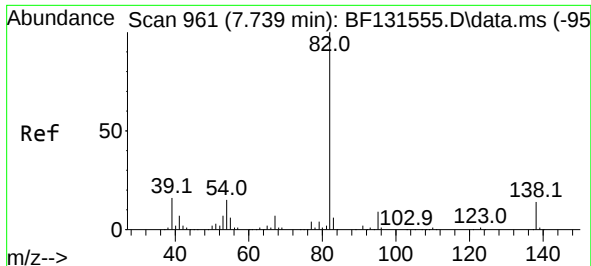
Reviewed By :Christian Giraldo 12/10/2022  
Supervised By :Jagrut Upadhyay 12/12/2022



#24  
Nitrobenzene  
Concen: 41.796 ng  
RT: 7.498 min Scan# 920  
Delta R.T. 0.000 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20

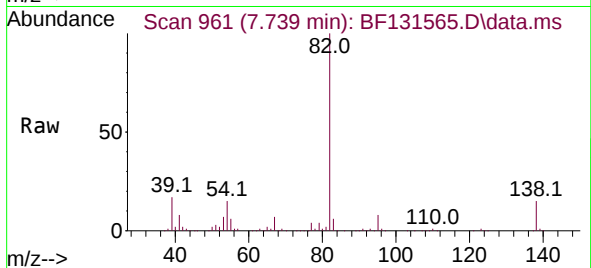
Tgt Ion: 77 Resp: 217642  
Ion Ratio Lower Upper  
77 100  
123 34.9 27.1 40.7  
65 14.8 11.9 17.9





#25  
Isophorone  
Concen: 45.833 ng  
RT: 7.739 min Scan# 961  
Delta R.T. 0.000 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20

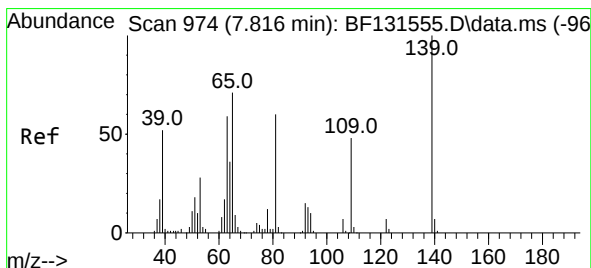
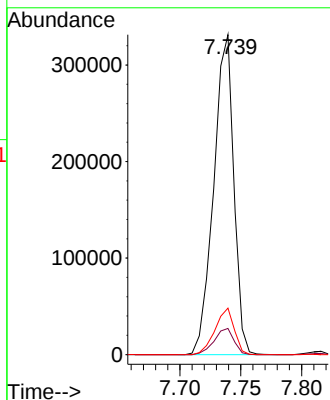
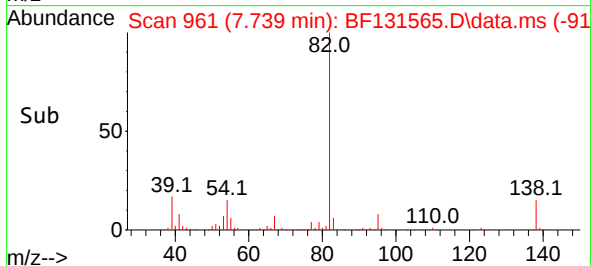
Instrument :  
BNA\_F  
ClientSampleId :  
PB149479BS



Tgt Ion: 82 Resp: 381150  
Ion Ratio Lower Upper  
82 100  
95 8.2 6.9 10.3  
138 14.5 11.4 17.0

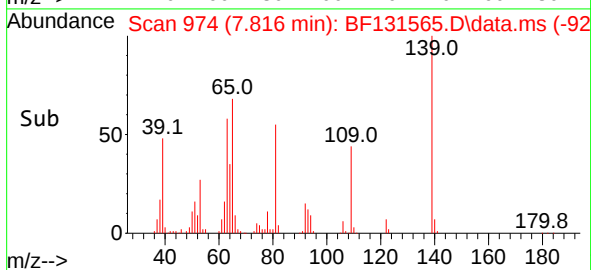
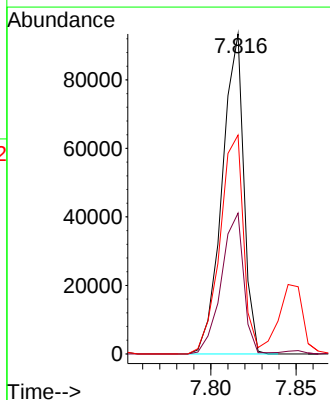
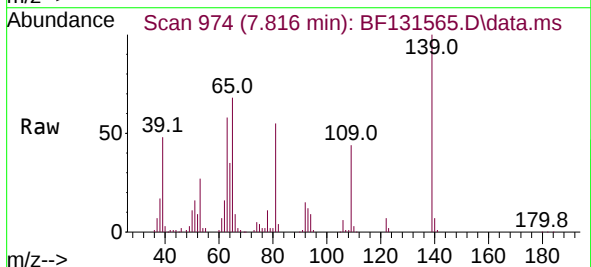
Manual Integrations  
APPROVED

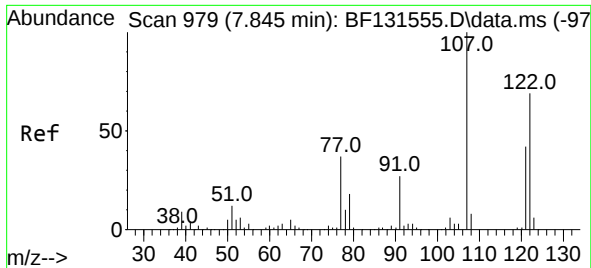
Reviewed By :Christian Giraldo 12/10/2022  
Supervised By :Jagrut Upadhyay 12/12/2022



#26  
2-Nitrophenol  
Concen: 46.488 ng  
RT: 7.816 min Scan# 974  
Delta R.T. 0.000 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20

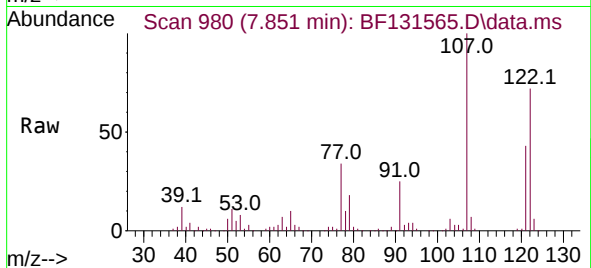
Tgt Ion:139 Resp: 82550  
Ion Ratio Lower Upper  
139 100  
109 44.0 38.6 58.0  
65 68.4 56.5 84.7





#27  
2,4-Dimethylphenol  
Concen: 51.379 ng m  
RT: 7.851 min Scan# 980  
Delta R.T. 0.006 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20

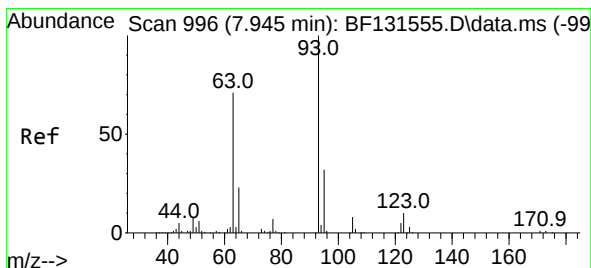
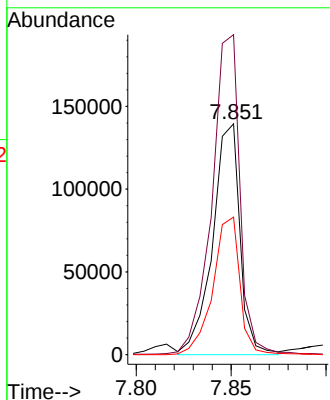
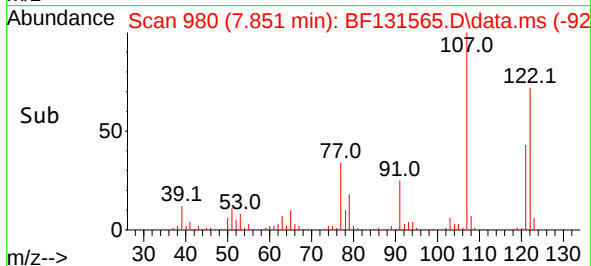
Instrument :  
BNA\_F  
ClientSampleId :  
PB149479BS



Tgt Ion:122 Resp: 13984  
Ion Ratio Lower Upper  
122 100  
107 138.7 114.2 171.2  
121 59.6 48.2 72.2

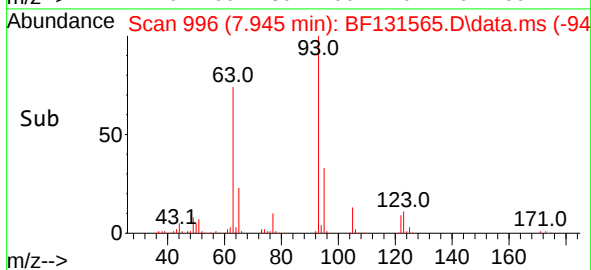
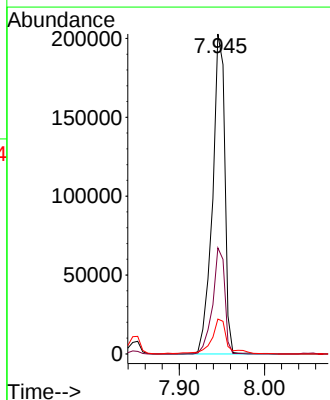
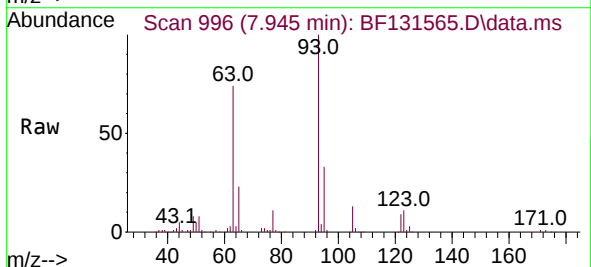
Manual Integrations  
APPROVED

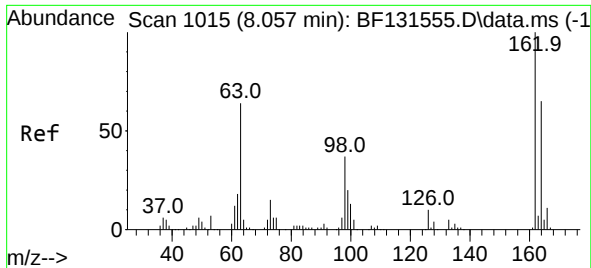
Reviewed By :Christian Giraldo 12/10/2022  
Supervised By :Jagrut Upadhyay 12/12/2022



#28  
bis(2-Chloroethoxy)methane  
Concen: 47.291 ng  
RT: 7.945 min Scan# 996  
Delta R.T. 0.000 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20

Tgt Ion: 93 Resp: 203444  
Ion Ratio Lower Upper  
93 100  
95 33.1 25.8 38.6  
123 10.9 8.1 12.1





#29

2,4-Dichlorophenol

Concen: 42.968 ng

RT: 8.057 min Scan# 1015

Delta R.T. 0.000 min

Lab File: BF131565.D

Acq: 09 Dec 2022 14:20

Instrument :

BNA\_F

ClientSampleId :

PB149479BS

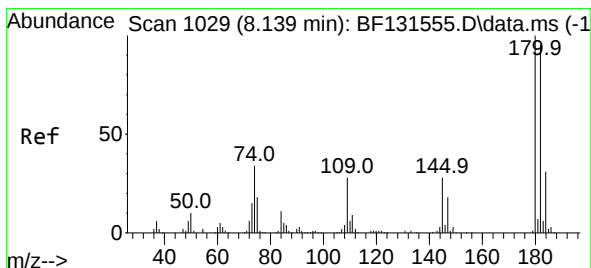
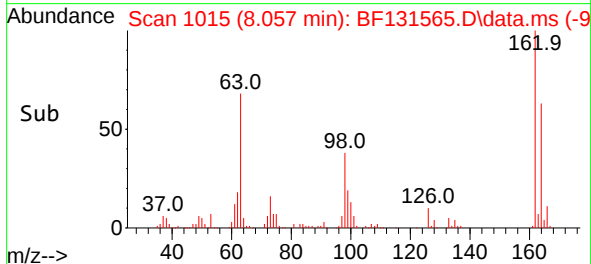
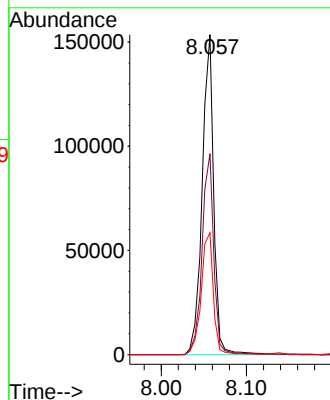
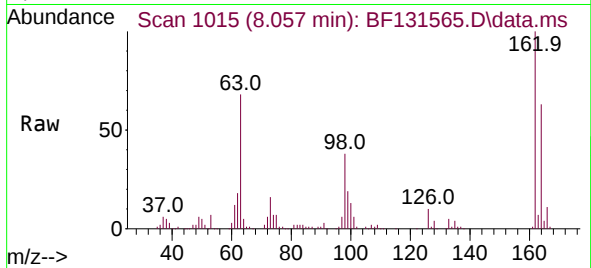
Tgt Ion:162 Resp: 144604  
 Ion Ratio Lower Upper  
 162 100  
 164 62.8 45.0 85.0  
 98 38.1 16.6 56.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 12/10/2022

Supervised By :Jagrut Upadhyay 12/12/2022



#30

1,2,4-Trichlorobenzene

Concen: 41.631 ng

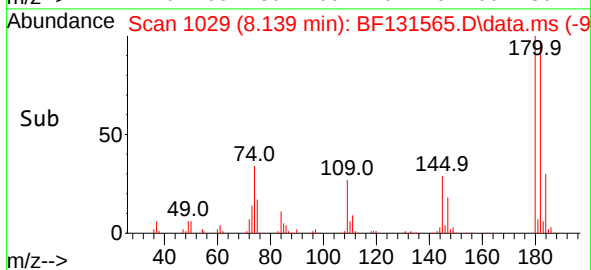
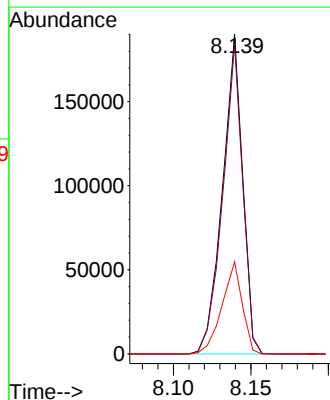
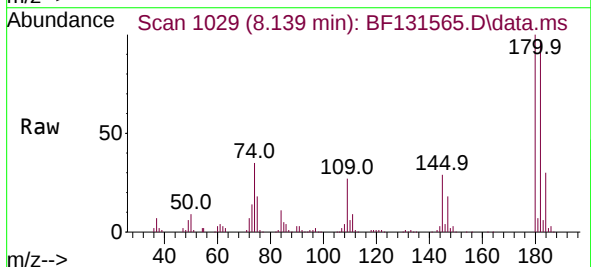
RT: 8.139 min Scan# 1029

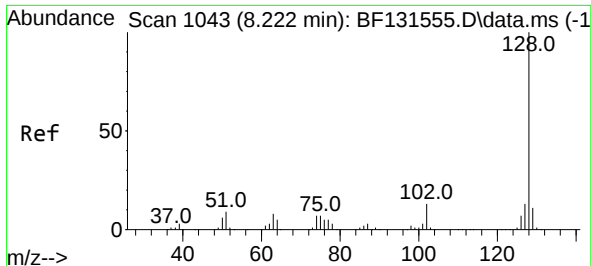
Delta R.T. 0.000 min

Lab File: BF131565.D

Acq: 09 Dec 2022 14:20

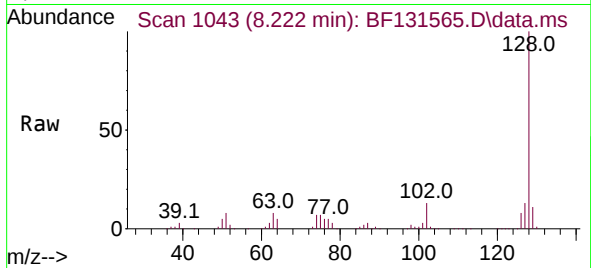
Tgt Ion:180 Resp: 171815  
 Ion Ratio Lower Upper  
 180 100  
 182 96.9 75.8 113.6  
 145 28.8 22.4 33.6





#31  
Naphthalene  
Concen: 41.137 ng  
RT: 8.222 min Scan# 1043  
Delta R.T. 0.000 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20

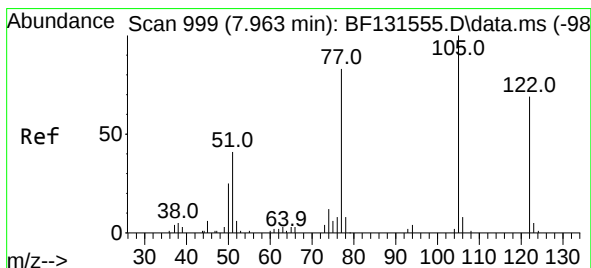
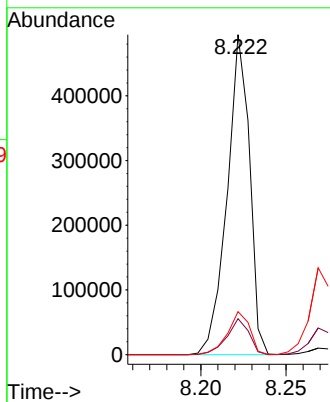
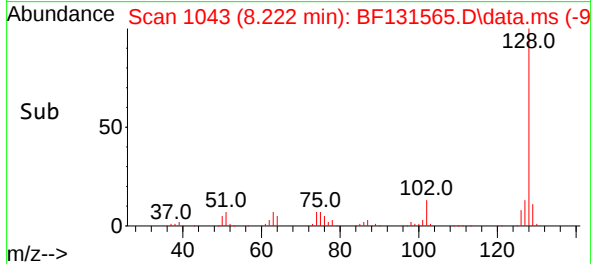
Instrument :  
BNA\_F  
ClientSampleId :  
PB149479BS



Tgt Ion:128 Resp: 452254  
Ion Ratio Lower Upper  
128 100  
129 11.2 8.9 13.3  
127 13.4 10.6 15.8

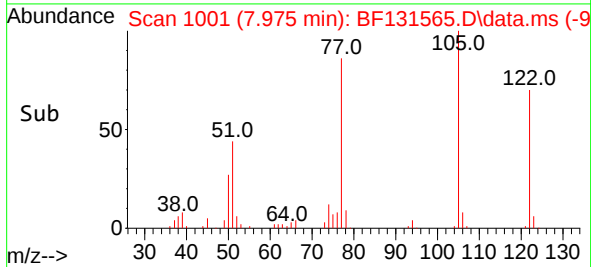
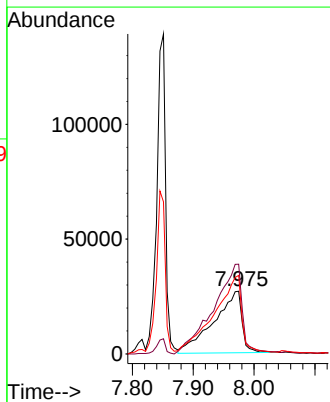
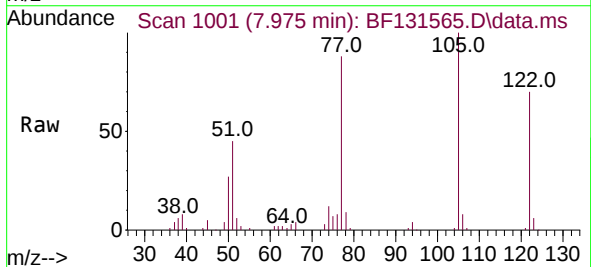
Manual Integrations  
APPROVED

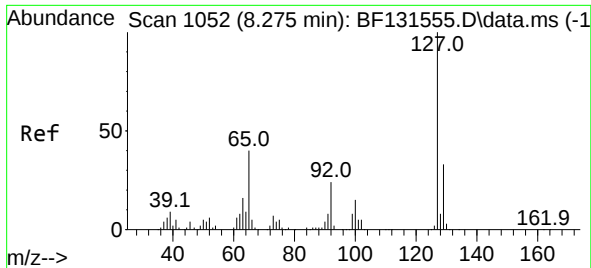
Reviewed By :Christian Giraldo 12/10/2022  
Supervised By :Jagrut Upadhyay 12/12/2022



#32  
Benzoic acid  
Concen: 44.076 ng  
RT: 7.975 min Scan# 1001  
Delta R.T. 0.012 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20

Tgt Ion:122 Resp: 86880  
Ion Ratio Lower Upper  
122 100  
105 142.9 119.8 159.8  
77 125.2 97.6 137.6





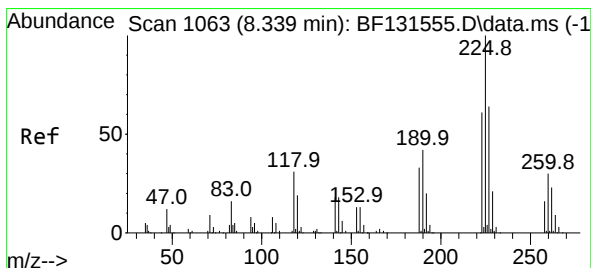
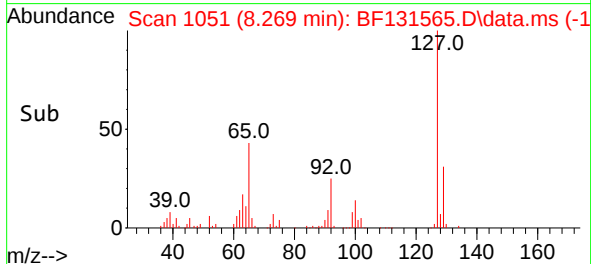
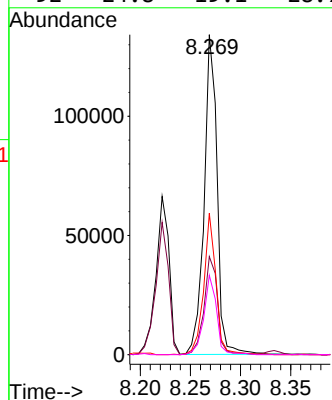
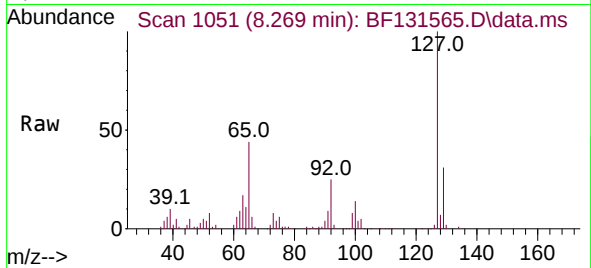
#33  
4-Chloroaniline  
Concen: 29.121 ng  
RT: 8.269 min Scan# 1051  
Delta R.T. -0.006 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20

Instrument :  
BNA\_F  
ClientSampleId :  
PB149479BS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 127     | 100   |       |       |
| 129     | 30.6  | 26.4  | 39.6  |
| 65      | 44.2  | 31.9  | 47.9  |
| 92      | 24.8  | 19.1  | 28.7  |

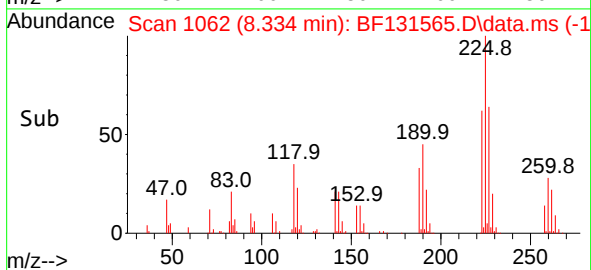
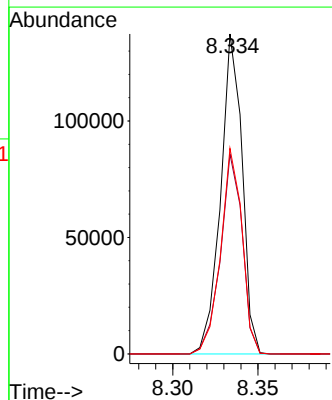
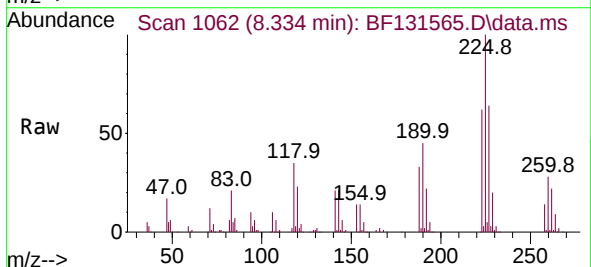
Manual Integrations  
APPROVED

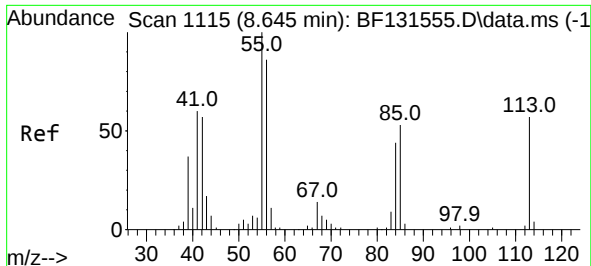
Reviewed By :Christian Giraldo 12/10/2022  
Supervised By :Jagrut Upadhyay 12/12/2022



#34  
Hexachlorobutadiene  
Concen: 41.342 ng  
RT: 8.334 min Scan# 1062  
Delta R.T. -0.006 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20

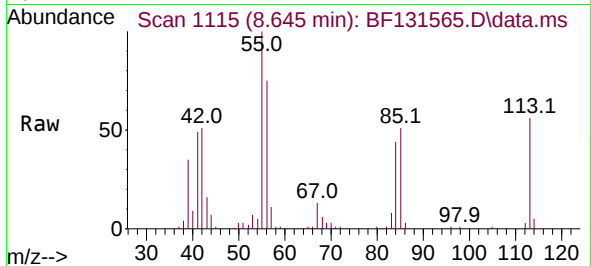
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 62.4  | 48.7  | 73.1  |
| 227     | 64.2  | 51.0  | 76.6  |





#35  
Caprolactam  
Concen: 49.580 ng m  
RT: 8.645 min Scan# 1115  
Delta R.T. 0.000 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20

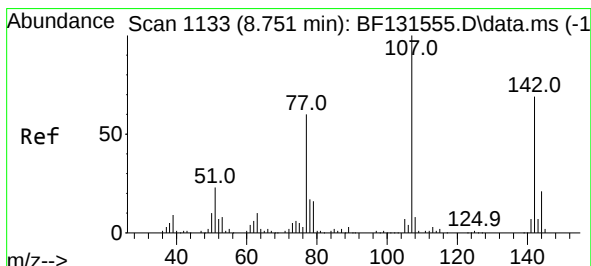
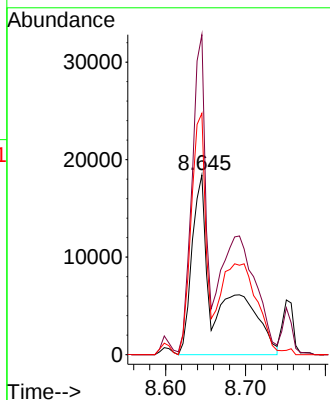
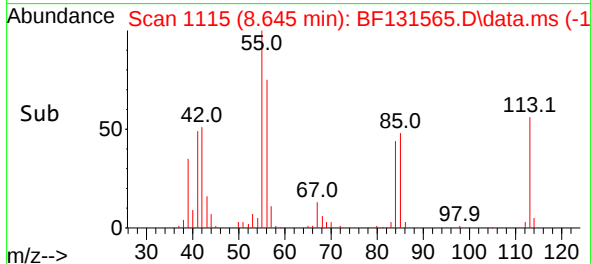
Instrument :  
BNA\_F  
ClientSampleId :  
PB149479BS



Tgt Ion:113 Resp: 43162  
Ion Ratio Lower Upper  
113 100  
55 178.2 155.8 195.8  
56 134.3 131.7 171.7

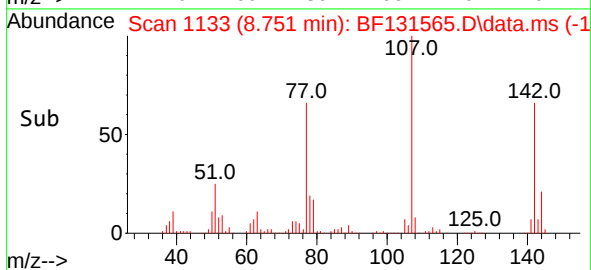
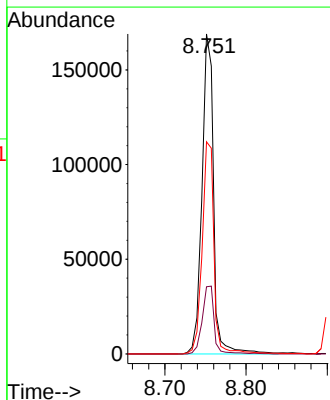
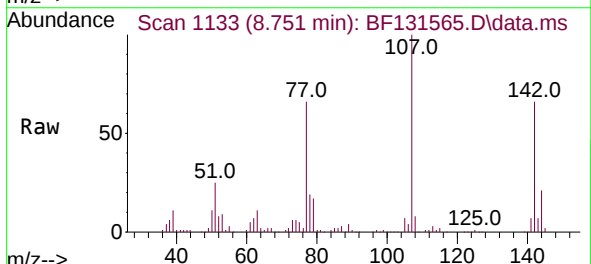
Manual Integrations  
APPROVED

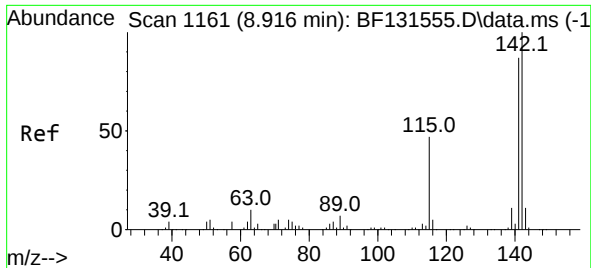
Reviewed By :Christian Giraldo 12/10/2022  
Supervised By :Jagrut Upadhyay 12/12/2022



#36  
4-Chloro-3-methylphenol  
Concen: 44.289 ng  
RT: 8.751 min Scan# 1133  
Delta R.T. 0.000 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20

Tgt Ion:107 Resp: 167368  
Ion Ratio Lower Upper  
107 100  
144 21.0 17.0 25.4  
142 66.3 54.8 82.2





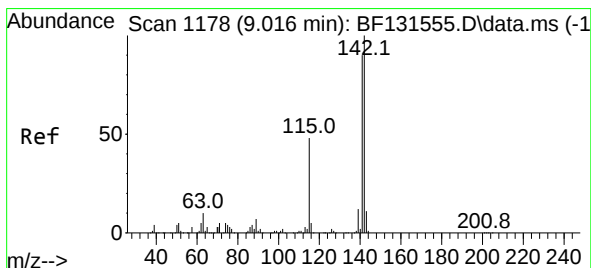
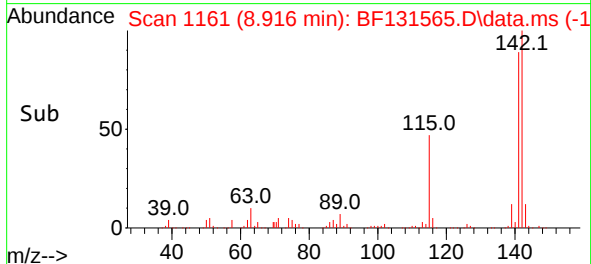
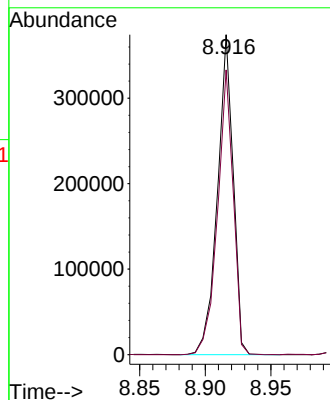
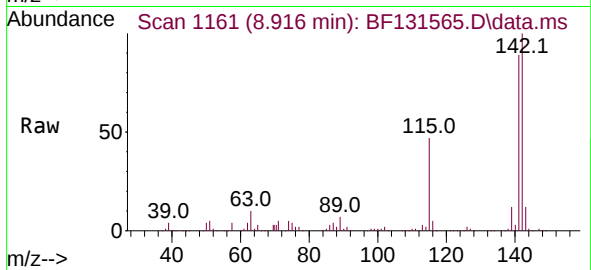
#37  
2-Methylnaphthalene  
Concen: 41.685 ng  
RT: 8.916 min Scan# 1161  
Delta R.T. 0.000 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20

Instrument :  
BNA\_F  
ClientSampleId :  
PB149479BS

Tgt Ion:142 Resp: 313413  
Ion Ratio Lower Upper  
142 100  
141 89.0 69.7 104.5

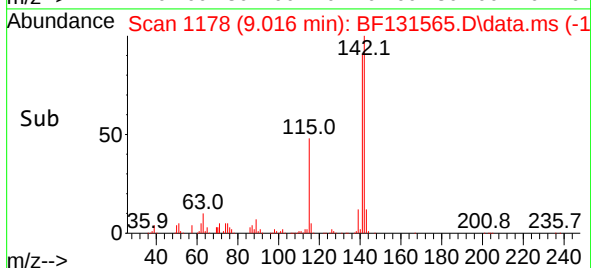
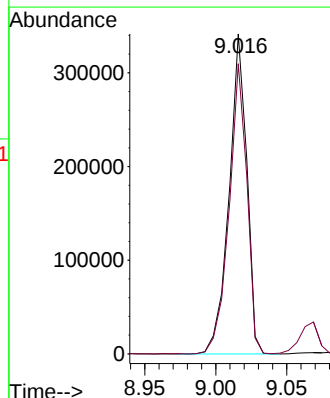
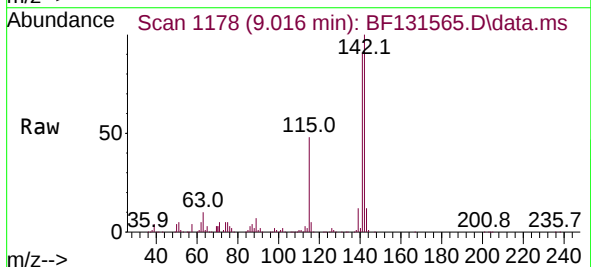
Manual Integrations  
APPROVED

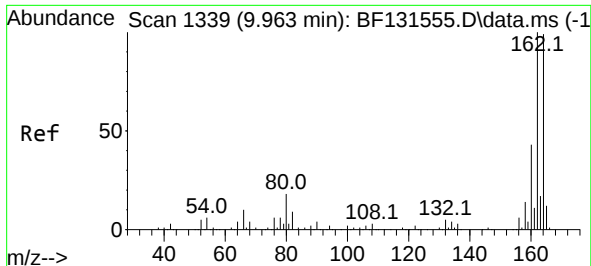
Reviewed By :Christian Giraldo 12/10/2022  
Supervised By :Jagrut Upadhyay 12/12/2022



#38  
1-Methylnaphthalene  
Concen: 40.921 ng  
RT: 9.016 min Scan# 1178  
Delta R.T. 0.000 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20

Tgt Ion:142 Resp: 295347  
Ion Ratio Lower Upper  
142 100  
141 90.7 71.9 107.9





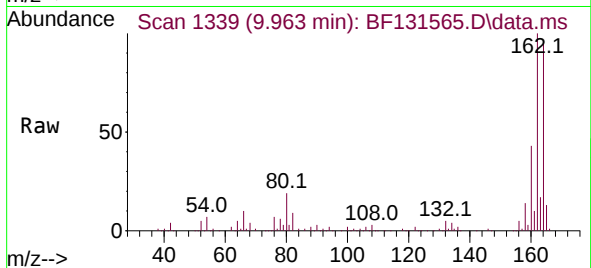
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.963 min Scan# 1339  
Delta R.T. -0.000 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20

Instrument :

BNA\_F

ClientSampleId :

PB149479BS

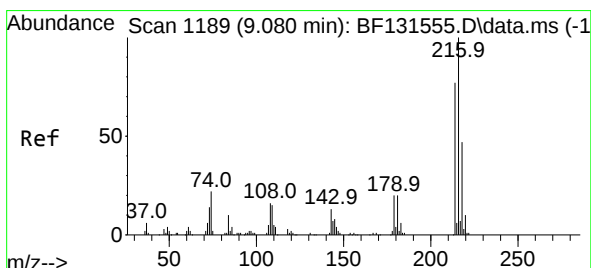
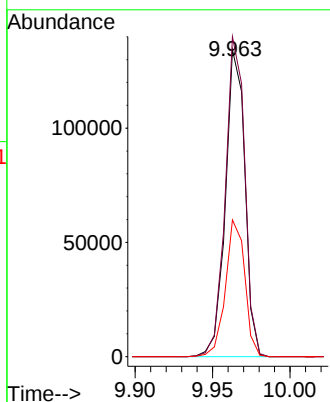
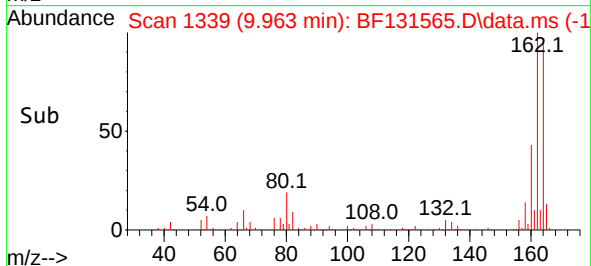


Tgt Ion:164 Resp: 117714  
Ion Ratio Lower Upper  
164 100  
162 104.2 81.0 121.6  
160 44.5 35.0 52.6

Manual Integrations

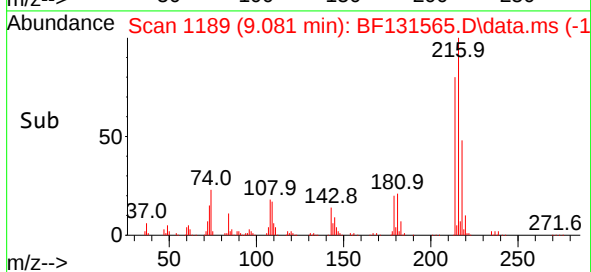
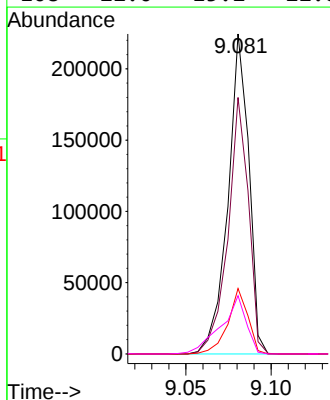
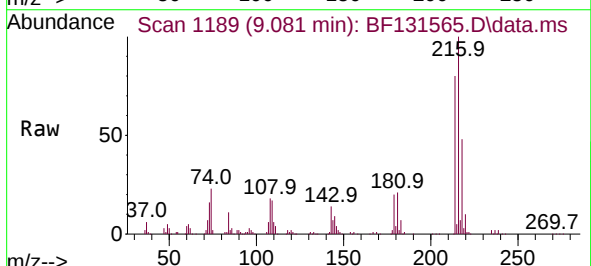
APPROVED

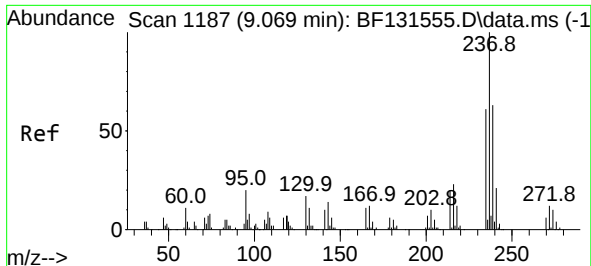
Reviewed By :Christian Giraldo 12/10/2022  
Supervised By :Jagrut Upadhyay 12/12/2022



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 43.900 ng  
RT: 9.081 min Scan# 1189  
Delta R.T. 0.000 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20

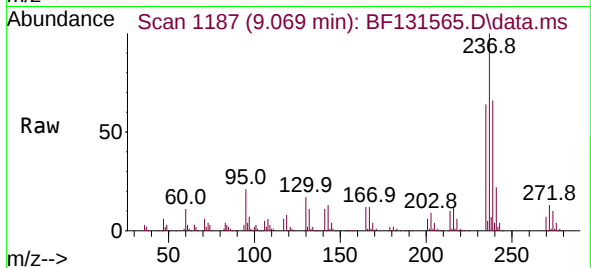
Tgt Ion:216 Resp: 191297  
Ion Ratio Lower Upper  
216 100  
214 78.4 62.1 93.1  
179 19.6 16.0 24.0  
108 22.0 15.2 22.8





#41  
Hexachlorocyclopentadiene  
Concen: 120.532 ng  
RT: 9.069 min Scan# 1187  
Delta R.T. -0.000 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20

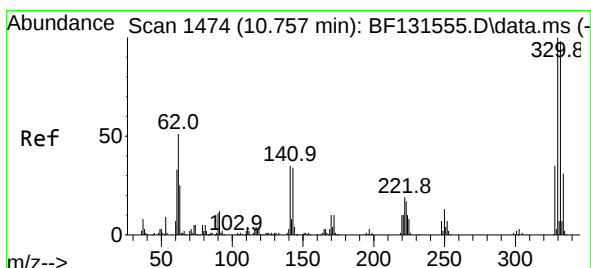
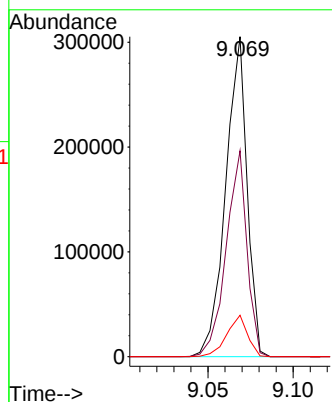
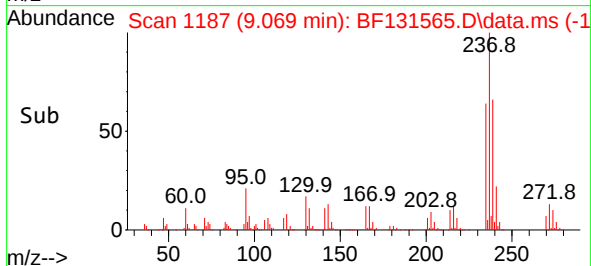
Instrument :  
BNA\_F  
ClientSampleId :  
PB149479BS



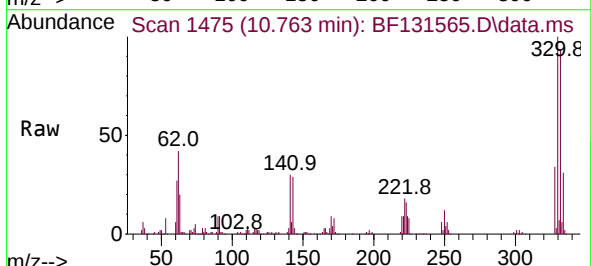
Tgt Ion:237 Resp: 266587  
Ion Ratio Lower Upper  
237 100  
235 64.3 40.6 80.6  
272 12.9 0.0 32.2

Manual Integrations  
APPROVED

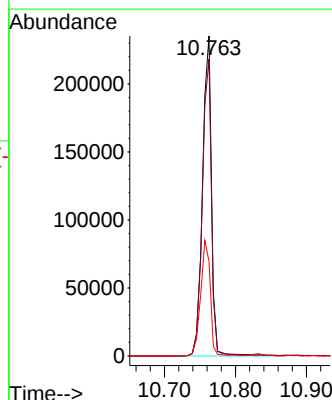
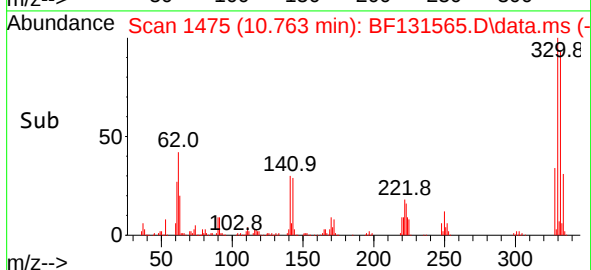
Reviewed By :Christian Giraldo 12/10/2022  
Supervised By :Jagrut Upadhyay 12/12/2022

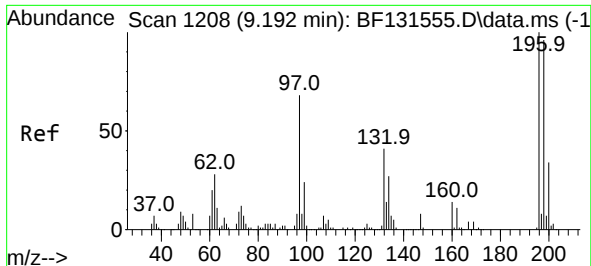


#42  
2,4,6-Tribromophenol  
Concen: 157.137 ng  
RT: 10.763 min Scan# 1475  
Delta R.T. 0.006 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20



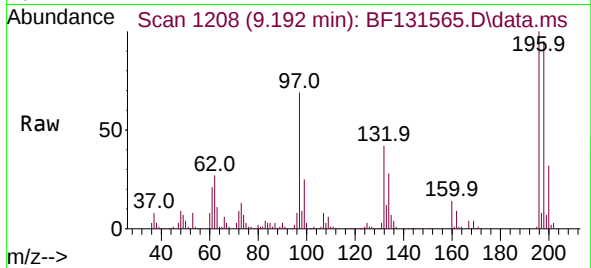
Tgt Ion:330 Resp: 205510  
Ion Ratio Lower Upper  
330 100  
332 94.1 78.3 117.5  
141 38.7 32.6 49.0





#43  
2,4,6-Trichlorophenol  
Concen: 42.483 ng  
RT: 9.192 min Scan# 1208  
Delta R.T. 0.000 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20

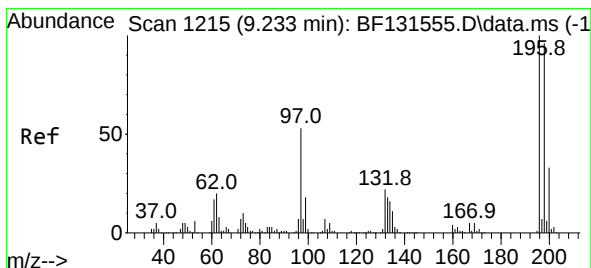
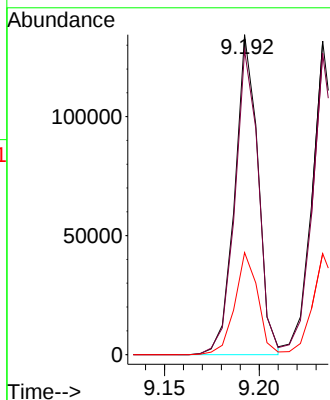
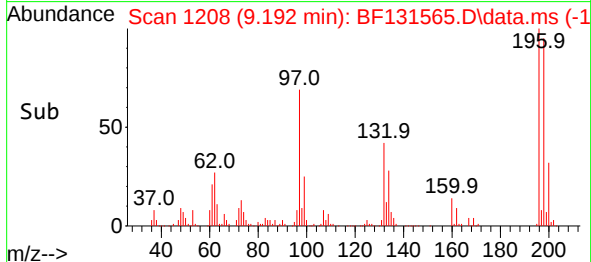
Instrument :  
BNA\_F  
ClientSampleId :  
PB149479BS



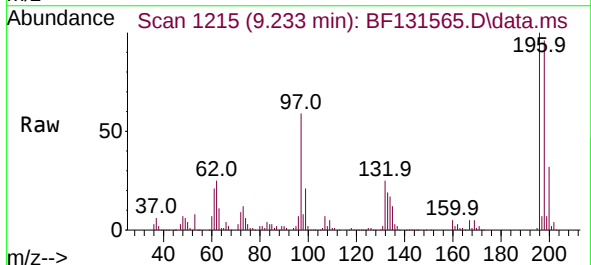
Tgt Ion:196 Resp: 114502  
Ion Ratio Lower Upper  
196 100  
198 95.1 76.9 115.3  
200 31.9 26.9 40.3

Manual Integrations  
APPROVED

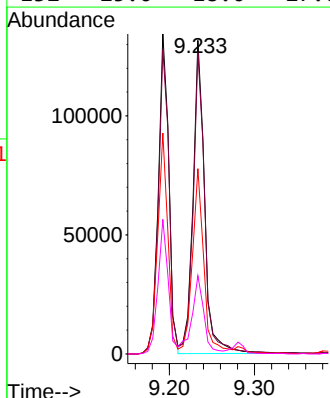
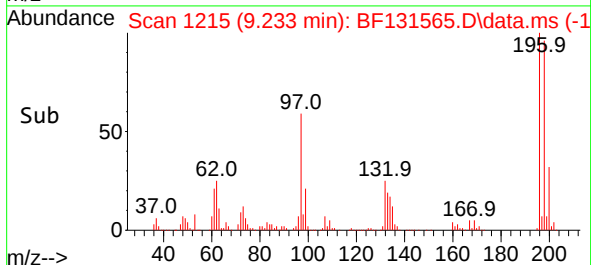
Reviewed By :Christian Giraldo 12/10/2022  
Supervised By :Jagrut Upadhyay 12/12/2022

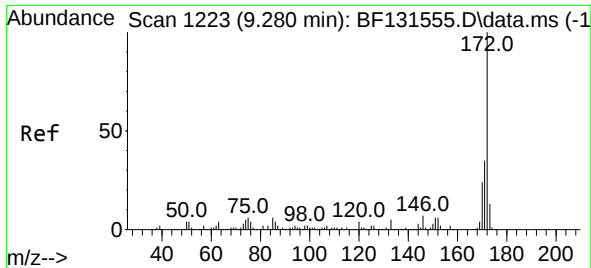


#44  
2,4,5-Trichlorophenol  
Concen: 43.164 ng  
RT: 9.233 min Scan# 1215  
Delta R.T. 0.000 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20



Tgt Ion:196 Resp: 125115  
Ion Ratio Lower Upper  
196 100  
198 96.1 77.2 115.8  
97 59.1 42.2 63.2  
132 25.0 18.0 27.0





#45  
2-Fluorobiphenyl  
Concen: 85.672 ng  
RT: 9.281 min Scan# 1223  
Delta R.T. 0.000 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20

Instrument :

BNA\_F

ClientSampleId :

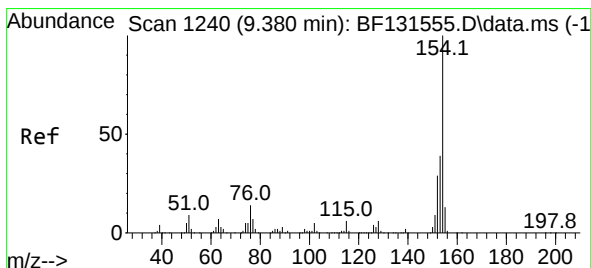
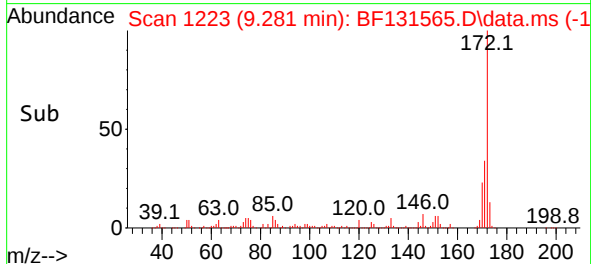
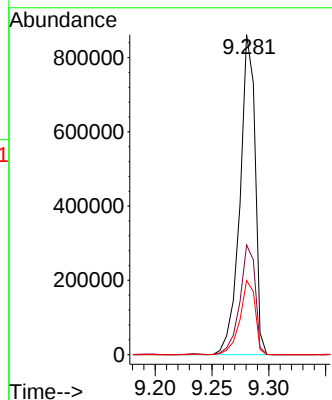
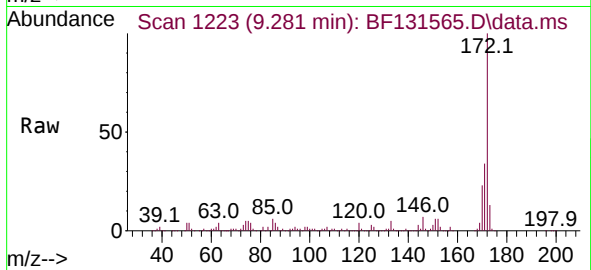
PB149479BS

Tgt Ion:172 Resp: 799827  
Ion Ratio Lower Upper  
172 100  
171 34.3 28.3 42.5  
170 23.2 19.3 28.9

Manual Integrations

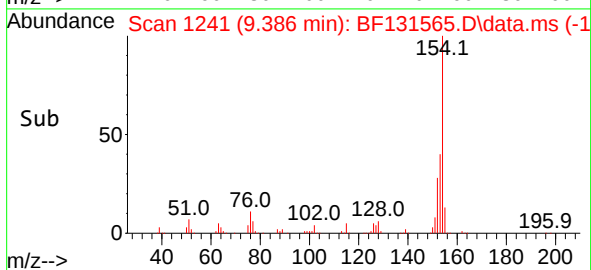
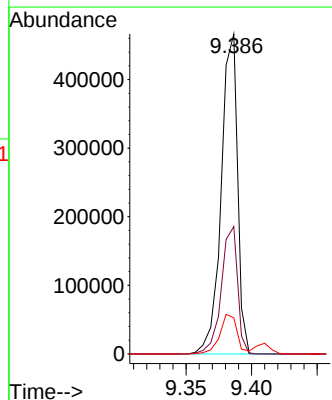
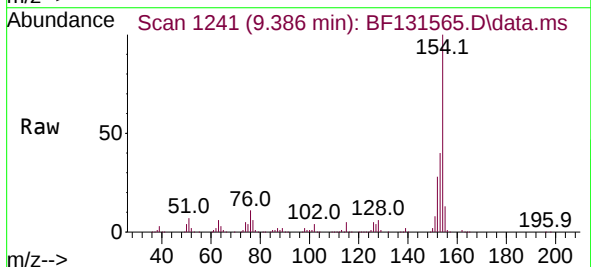
APPROVED

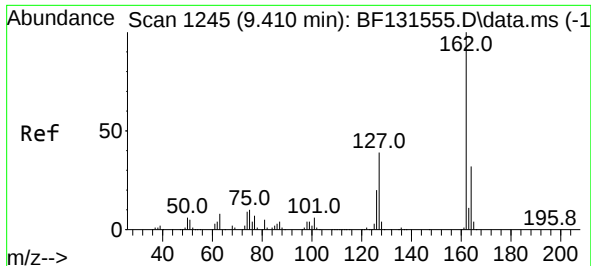
Reviewed By :Christian Giraldo 12/10/2022  
Supervised By :Jagrut Upadhyay 12/12/2022



#46  
1,1'-Biphenyl  
Concen: 43.580 ng  
RT: 9.386 min Scan# 1241  
Delta R.T. 0.006 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20

Tgt Ion:154 Resp: 405607  
Ion Ratio Lower Upper  
154 100  
153 39.8 19.4 59.4  
76 11.3 0.0 34.0





#47

2-Chloronaphthalene

Concen: 42.283 ng

RT: 9.410 min Scan# 1245

Delta R.T. 0.000 min

Lab File: BF131565.D

Acq: 09 Dec 2022 14:20

Instrument :

BNA\_F

ClientSampleId :

PB149479BS

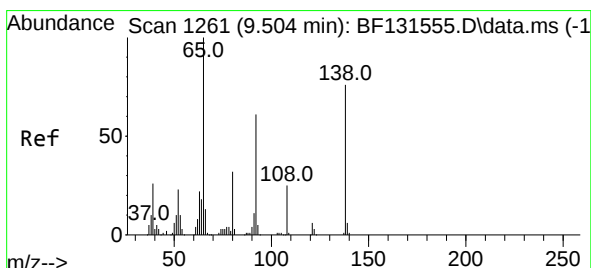
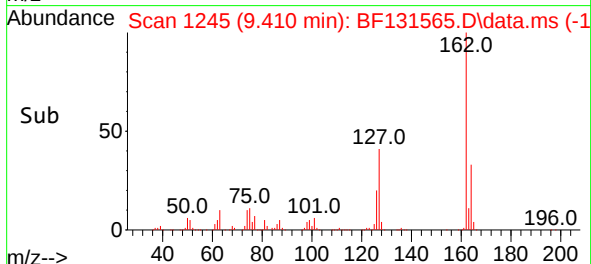
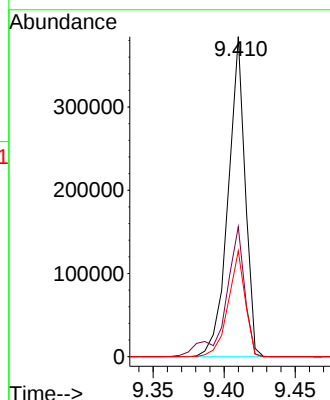
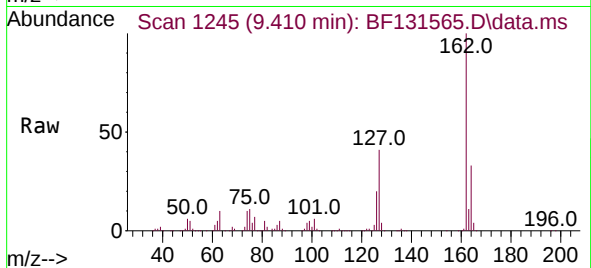
Tgt Ion:162 Resp: 320628  
 Ion Ratio Lower Upper  
 162 100  
 127 40.6 31.4 47.2  
 164 33.0 25.8 38.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 12/10/2022

Supervised By :Jagrut Upadhyay 12/12/2022



#48

2-Nitroaniline

Concen: 44.672 ng

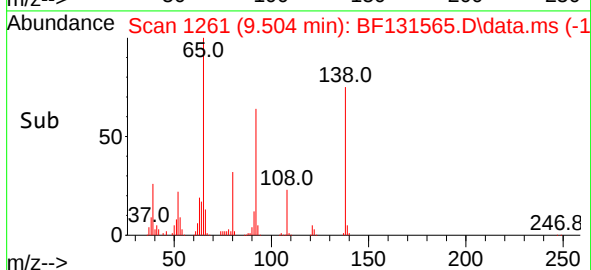
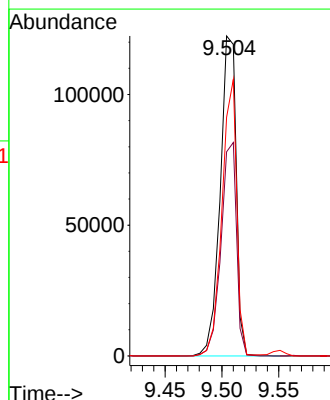
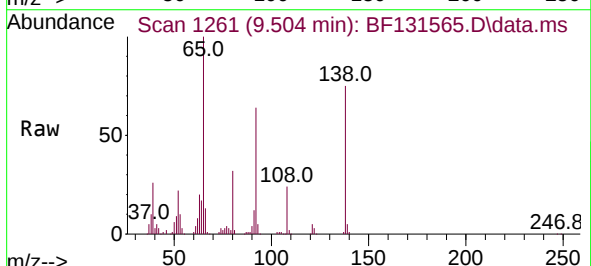
RT: 9.504 min Scan# 1261

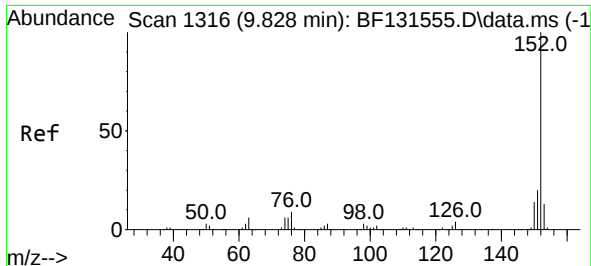
Delta R.T. 0.000 min

Lab File: BF131565.D

Acq: 09 Dec 2022 14:20

Tgt Ion: 65 Resp: 119996  
 Ion Ratio Lower Upper  
 65 100  
 92 63.8 49.2 73.8  
 138 74.6 60.7 91.1





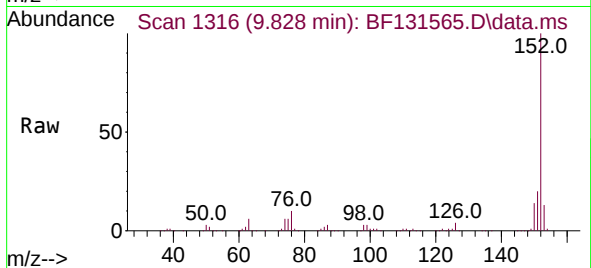
#49  
Acenaphthylene  
Concen: 43.884 ng  
RT: 9.828 min Scan# 1316  
Delta R.T. -0.000 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20

Instrument :

BNA\_F

ClientSampleId :

PB149479BS

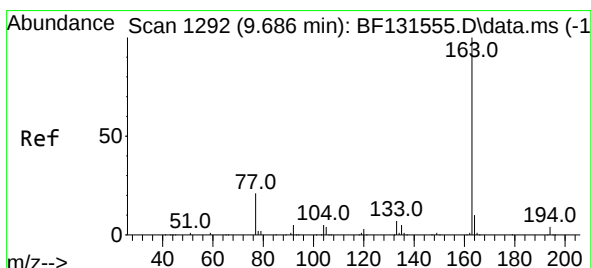
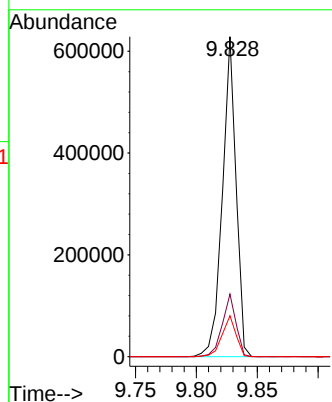
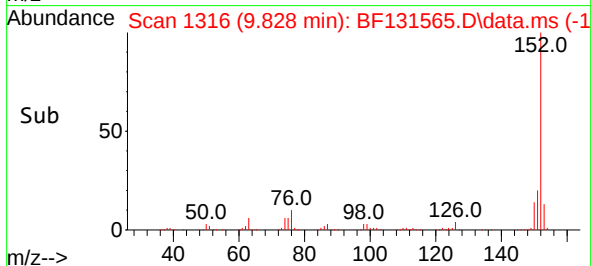


Tgt Ion:152 Resp: 488600  
Ion Ratio Lower Upper  
152 100  
151 19.5 15.6 23.4  
153 12.8 10.4 15.6

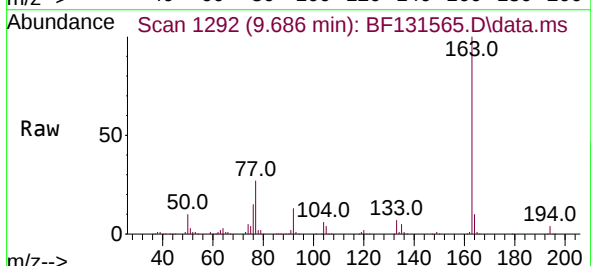
Manual Integrations

APPROVED

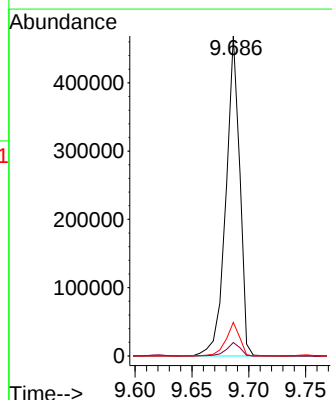
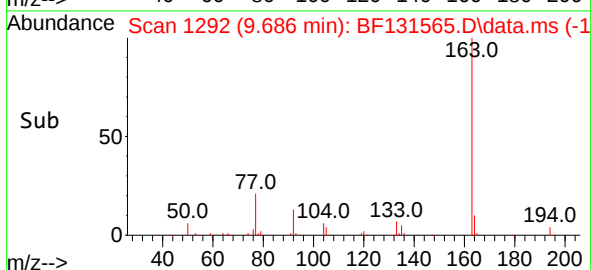
Reviewed By :Christian Giraldo 12/10/2022  
Supervised By :Jagrut Upadhyay 12/12/2022

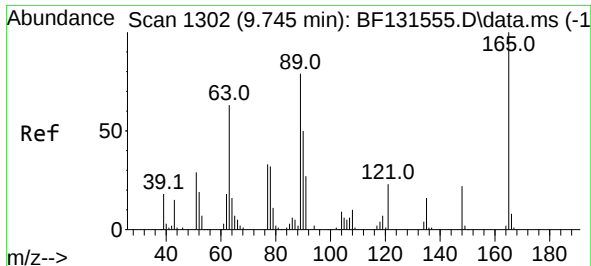


#50  
Dimethylphthalate  
Concen: 44.031 ng  
RT: 9.686 min Scan# 1292  
Delta R.T. 0.000 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20



Tgt Ion:163 Resp: 395115  
Ion Ratio Lower Upper  
163 100  
194 4.2 3.1 4.7  
164 10.5 7.8 11.6





#51

2,6-Dinitrotoluene

Concen: 46.085 ng

RT: 9.751 min Scan# 1303

Delta R.T. 0.006 min

Lab File: BF131565.D

Acq: 09 Dec 2022 14:20

Instrument :

BNA\_F

ClientSampleId :

PB149479BS

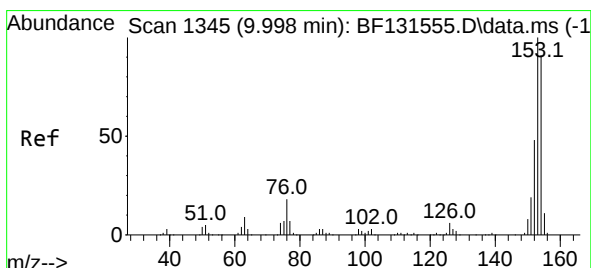
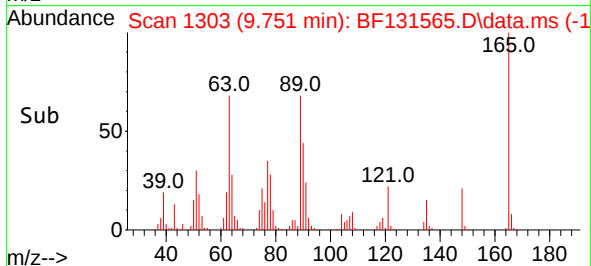
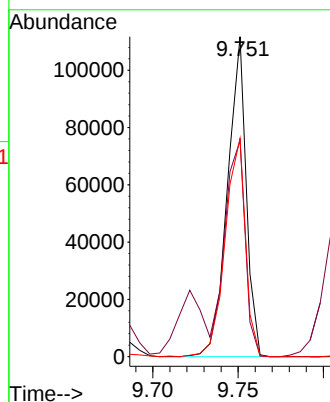
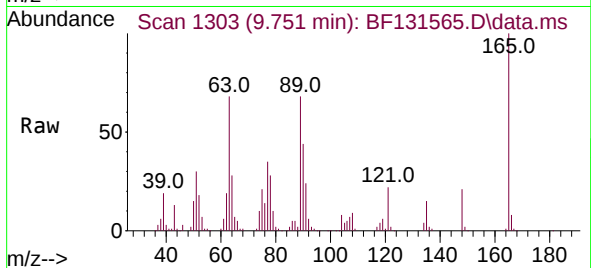
Tgt Ion:165 Resp: 85374

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 165 | 100   |       |       |
| 63  | 67.5  | 67.9  | 101.9 |
| 89  | 68.2  | 63.2  | 94.8  |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 12/10/2022  
Supervised By :Jagrut Upadhyay 12/12/2022



#52

Acenaphthene

Concen: 49.093 ng m

RT: 9.998 min Scan# 1345

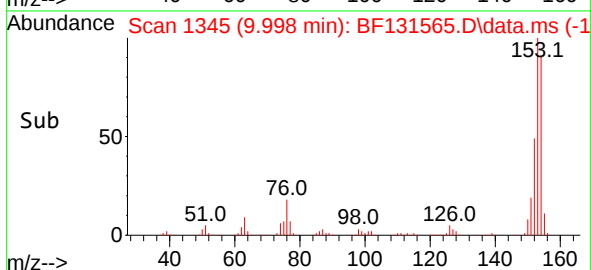
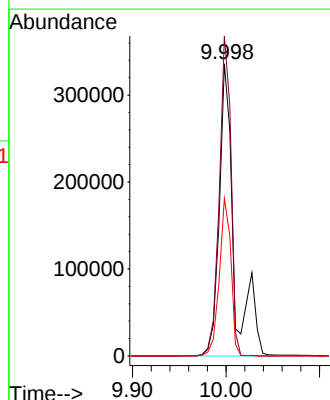
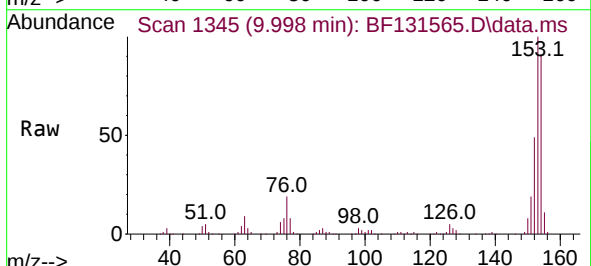
Delta R.T. 0.000 min

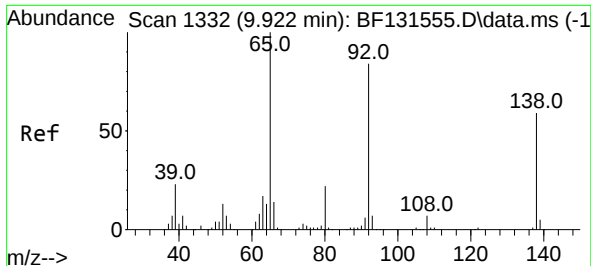
Lab File: BF131565.D

Acq: 09 Dec 2022 14:20

Tgt Ion:154 Resp: 366173

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 154 | 100   |       |       |
| 153 | 109.5 | 87.9  | 131.9 |
| 152 | 53.9  | 42.4  | 63.6  |





#53  
3-Nitroaniline  
Concen: 32.359 ng  
RT: 9.922 min Scan# 1332  
Delta R.T. 0.000 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20

Instrument :

BNA\_F

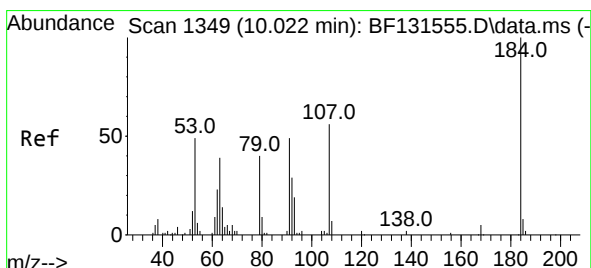
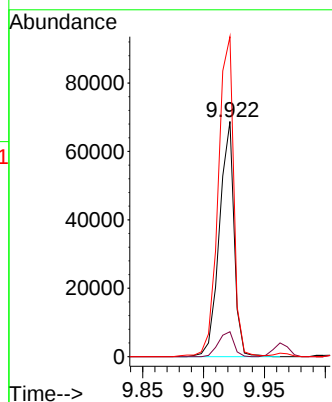
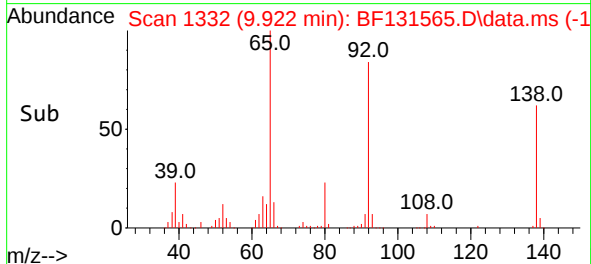
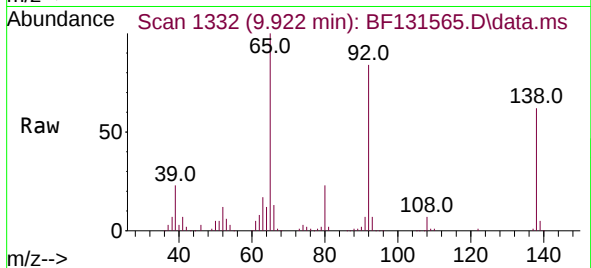
ClientSampleId :

PB149479BS

Tgt Ion:138 Resp: 57517  
Ion Ratio Lower Upper  
138 100  
108 10.6 9.6 14.4  
92 136.1 113.4 170.0

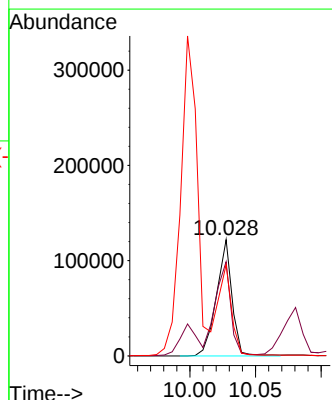
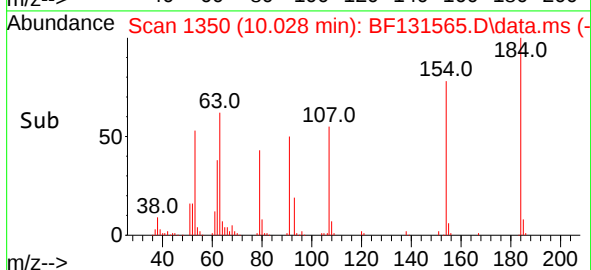
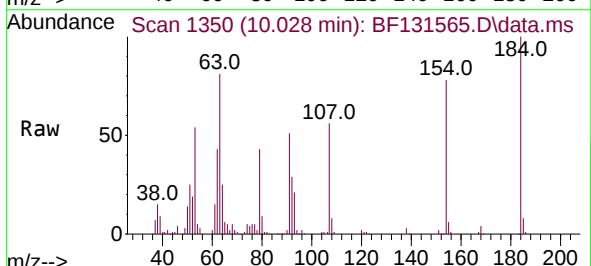
Manual Integrations  
APPROVED

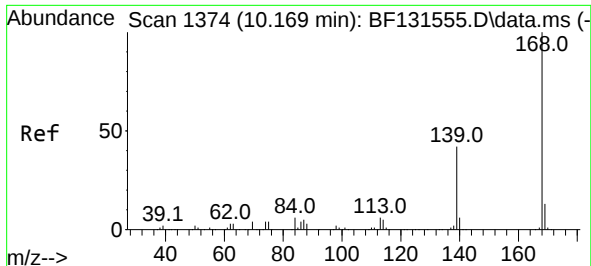
Reviewed By :Christian Giraldo 12/10/2022  
Supervised By :Jagrut Upadhyay 12/12/2022



#54  
2,4-Dinitrophenol  
Concen: 94.722 ng  
RT: 10.028 min Scan# 1350  
Delta R.T. 0.006 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20

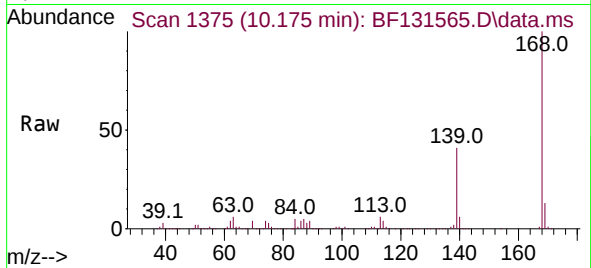
Tgt Ion:184 Resp: 101294  
Ion Ratio Lower Upper  
184 100  
63 81.1 60.7 91.1  
154 78.4 59.0 88.6





#55  
Dibenzofuran  
Concen: 43.325 ng  
RT: 10.175 min Scan# 1374  
Delta R.T. 0.006 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20

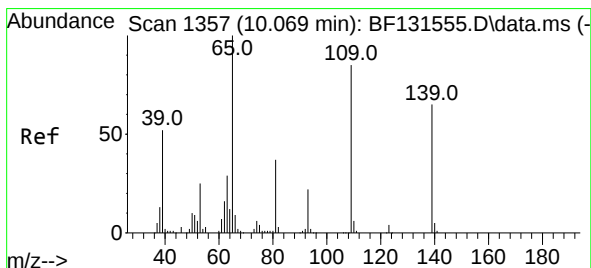
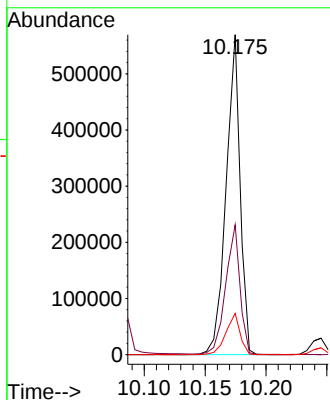
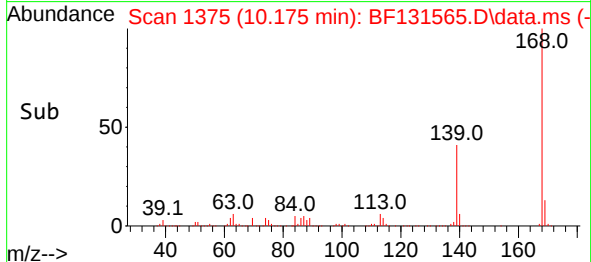
Instrument :  
BNA\_F  
ClientSampleId :  
PB149479BS



Tgt Ion:168 Resp: 456598  
Ion Ratio Lower Upper  
168 100  
139 40.6 33.9 50.9  
169 12.9 10.7 16.1

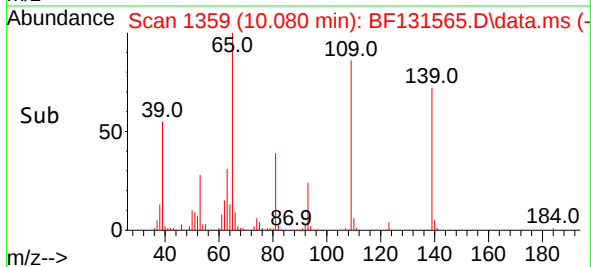
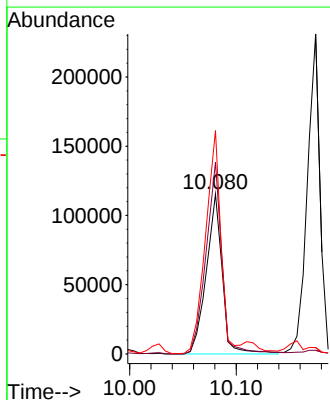
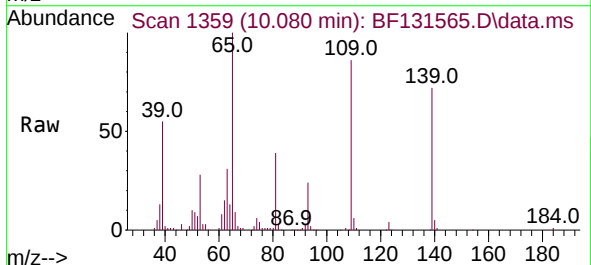
Manual Integrations  
APPROVED

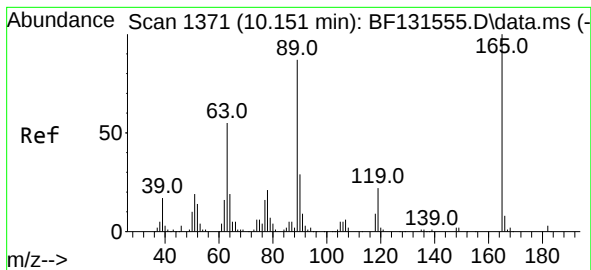
Reviewed By :Christian Giraldo 12/10/2022  
Supervised By :Jagrut Upadhyay 12/12/2022



#56  
4-Nitrophenol  
Concen: 96.678 ng  
RT: 10.080 min Scan# 1359  
Delta R.T. 0.012 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20

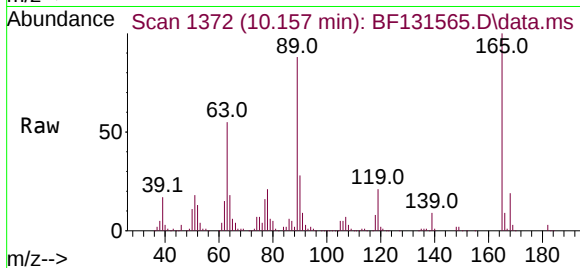
Tgt Ion:139 Resp: 119375  
Ion Ratio Lower Upper  
139 100  
109 119.9 110.2 150.2  
65 139.7 133.3 173.3





#57  
2,4-Dinitrotoluene  
Concen: 46.243 ng  
RT: 10.157 min Scan# 1372  
Delta R.T. 0.006 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20

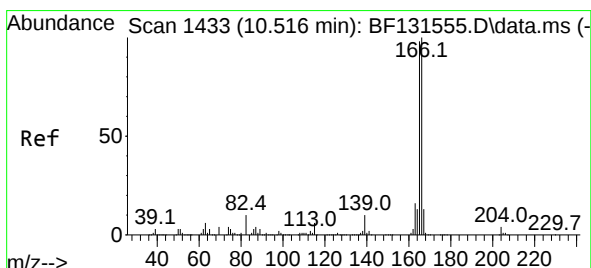
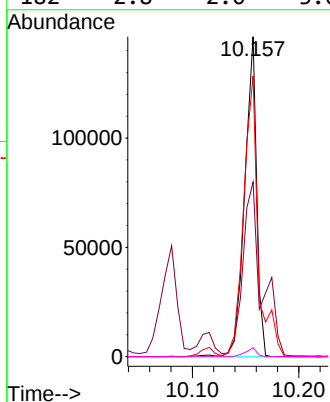
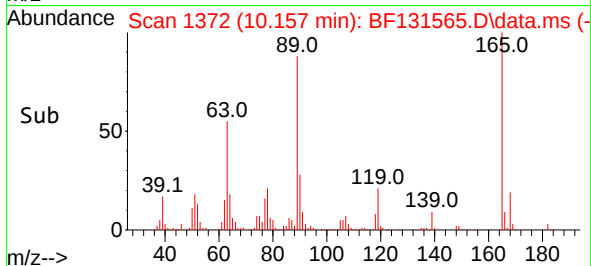
Instrument :  
BNA\_F  
ClientSampleId :  
PB149479BS



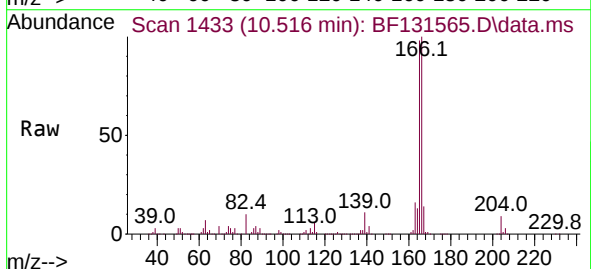
Tgt Ion:165 Resp: 113640  
Ion Ratio Lower Upper  
165 100  
63 54.5 44.4 66.6  
89 87.7 69.6 104.4  
182 2.8 2.0 3.0

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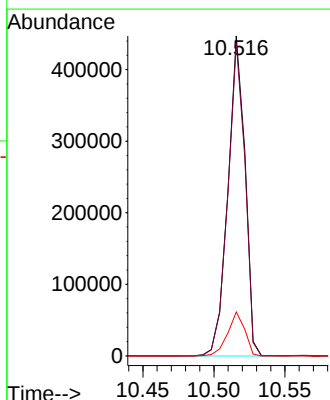
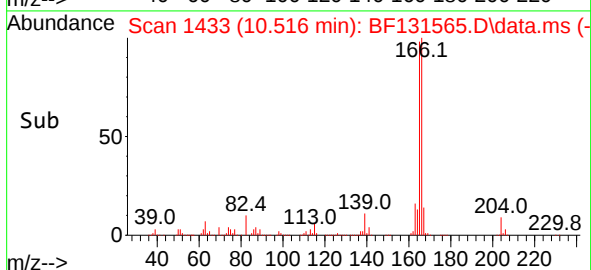
Reviewed By :Christian Giraldo 12/10/2022  
Supervised By :Jagrut Upadhyay 12/12/2022

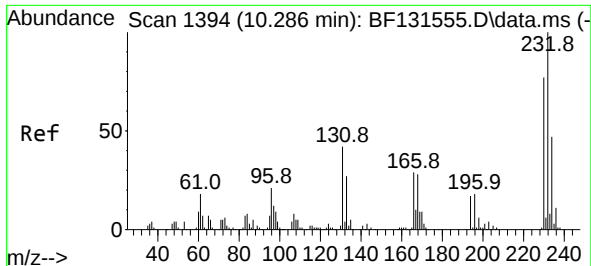


#58  
Fluorene  
Concen: 43.577 ng  
RT: 10.516 min Scan# 1433  
Delta R.T. 0.000 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20



Tgt Ion:166 Resp: 373349  
Ion Ratio Lower Upper  
166 100  
165 97.8 78.4 117.6  
167 13.8 10.7 16.1





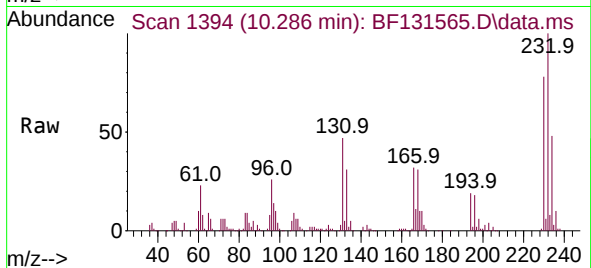
#59  
2,3,4,6-Tetrachlorophenol  
Concen: 42.889 ng m  
RT: 10.286 min Scan# 1394  
Delta R.T. 0.000 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20

Instrument :

BNA\_F

ClientSampleId :

PB149479BS

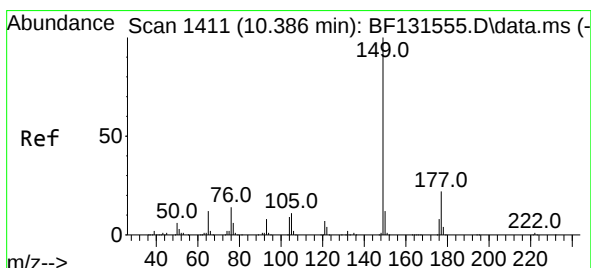
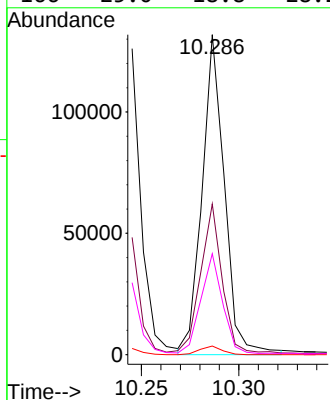
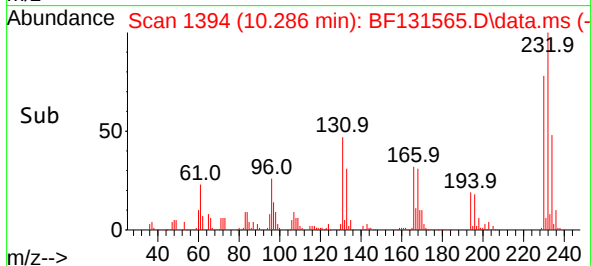


Tgt Ion:232 Resp: 105273  
Ion Ratio Lower Upper  
232 100  
131 40.8 31.0 46.6  
130 2.5 1.8 2.8  
166 25.0 18.8 28.2

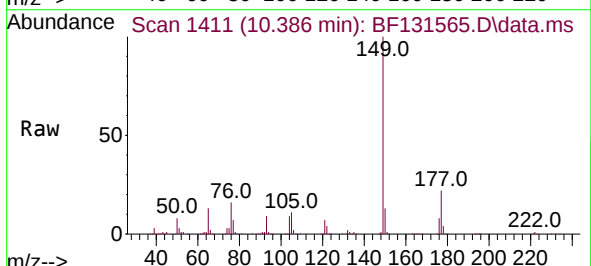
Manual Integrations

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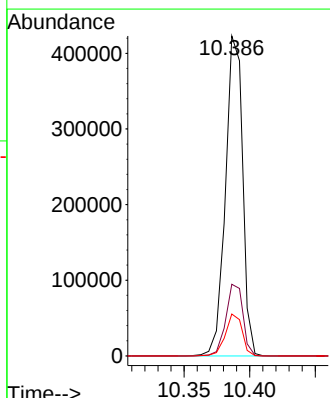
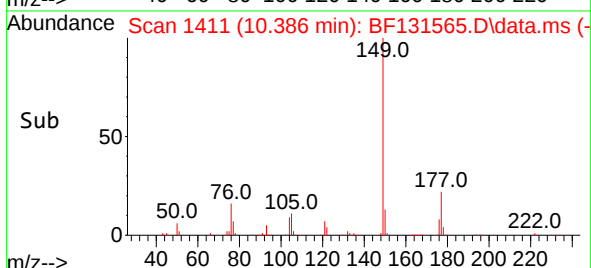
Reviewed By :Christian Giraldo 12/10/2022  
Supervised By :Jagrut Upadhyay 12/12/2022

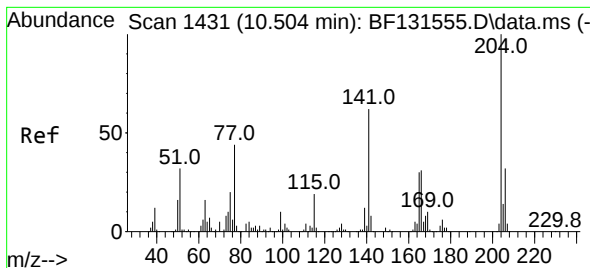


#60  
Diethylphthalate  
Concen: 44.938 ng  
RT: 10.386 min Scan# 1411  
Delta R.T. 0.000 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20



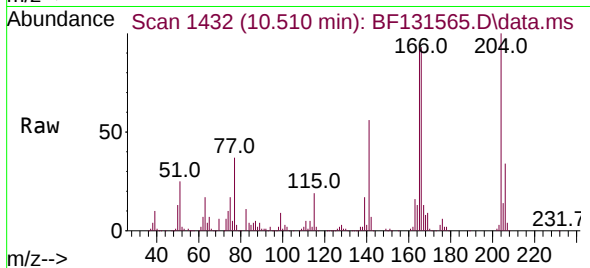
Tgt Ion:149 Resp: 386971  
Ion Ratio Lower Upper  
149 100  
177 22.4 17.4 26.2  
150 13.1 9.7 14.5





#61  
4-Chlorophenyl-phenylether  
Concen: 44.488 ng  
RT: 10.510 min Scan# 1431  
Delta R.T. 0.006 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20

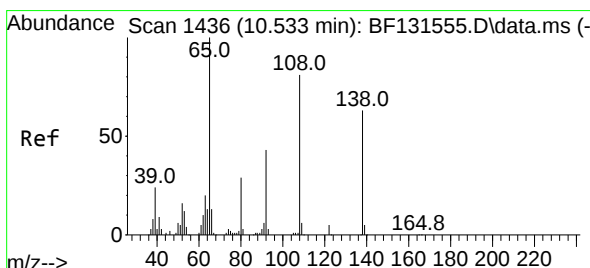
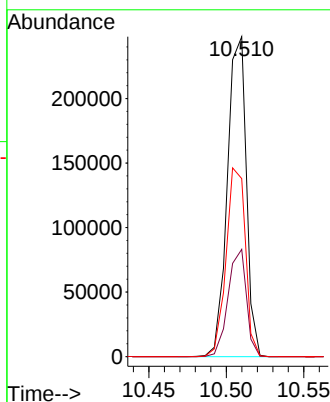
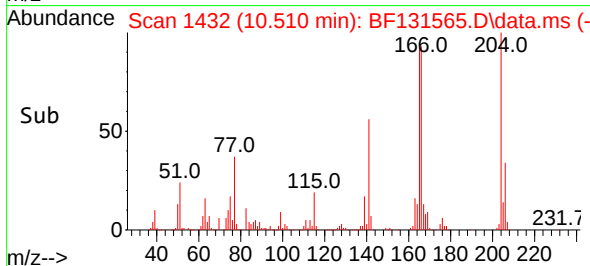
Instrument :  
BNA\_F  
ClientSampleId :  
PB149479BS



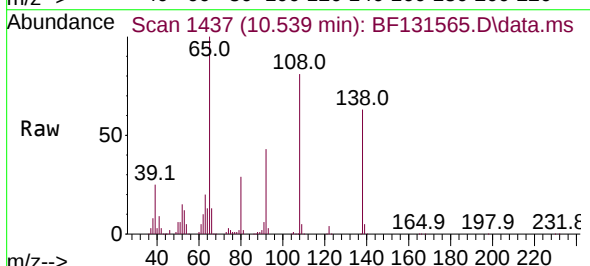
Tgt Ion:204 Resp: 210637  
Ion Ratio Lower Upper  
204 100  
206 33.5 25.4 38.2  
141 55.6 49.5 74.3

Manual Integrations  
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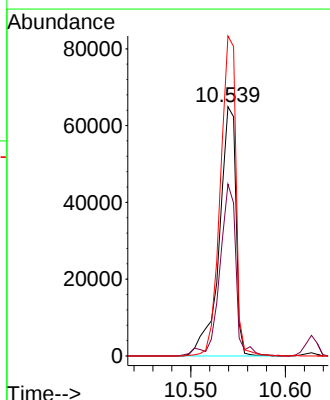
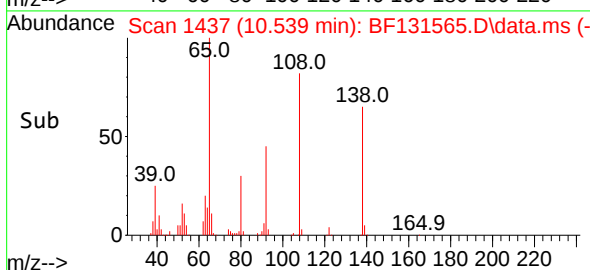
Reviewed By :Christian Giraldo 12/10/2022  
Supervised By :Jagrut Upadhyay 12/12/2022

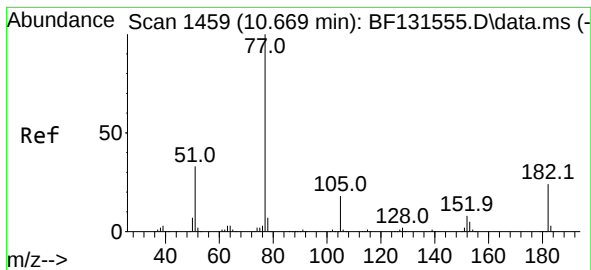


#62  
4-Nitroaniline  
Concen: 44.778 ng  
RT: 10.539 min Scan# 1437  
Delta R.T. 0.006 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20



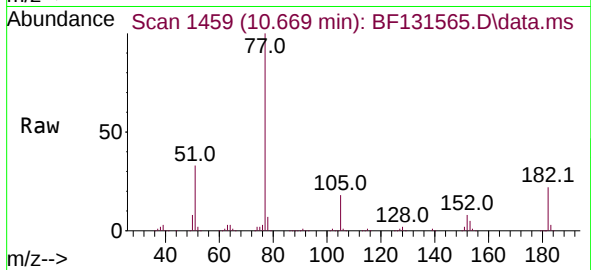
Tgt Ion:138 Resp: 78870  
Ion Ratio Lower Upper  
138 100  
92 68.9 47.5 87.5  
108 128.4 108.8 148.8





#63  
Azobenzene  
Concen: 43.594 ng  
RT: 10.669 min Scan# 1459  
Delta R.T. 0.000 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20

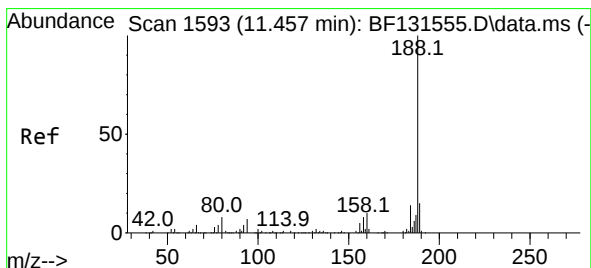
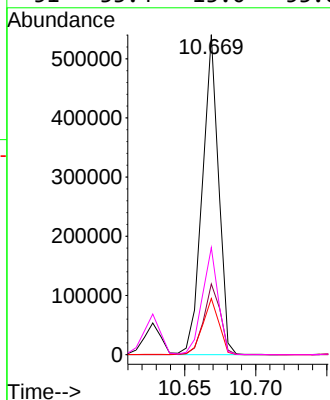
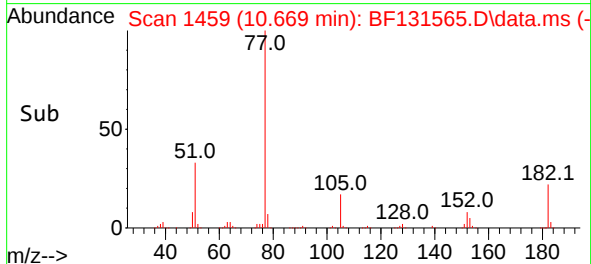
Instrument :  
BNA\_F  
ClientSampleId :  
PB149479BS



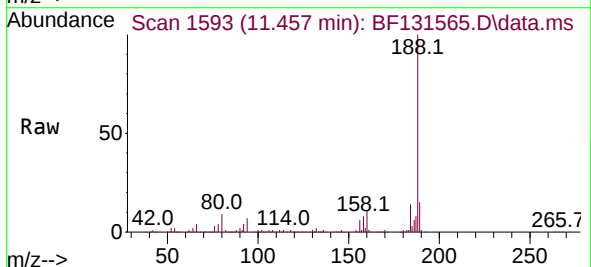
Tgt Ion: 77 Resp: 428166  
Ion Ratio Lower Upper  
77 100  
182 22.1 3.9 43.9  
105 17.5 0.0 38.3  
51 33.4 13.0 53.0

Manual Integrations  
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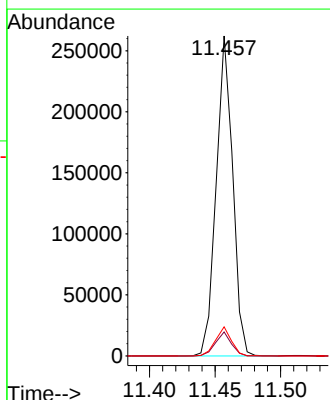
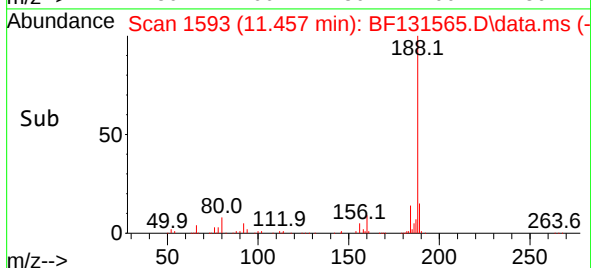
Reviewed By :Christian Giraldo 12/10/2022  
Supervised By :Jagrut Upadhyay 12/12/2022

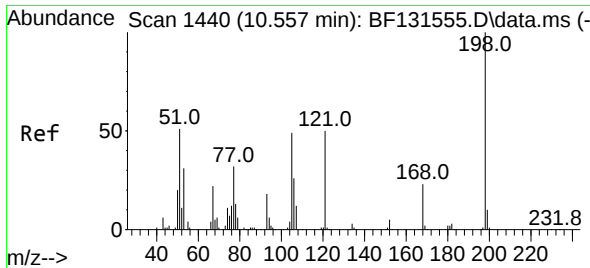


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.457 min Scan# 1593  
Delta R.T. 0.000 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20



Tgt Ion:188 Resp: 229718  
Ion Ratio Lower Upper  
188 100  
94 7.5 5.5 8.3  
80 9.1 6.6 10.0





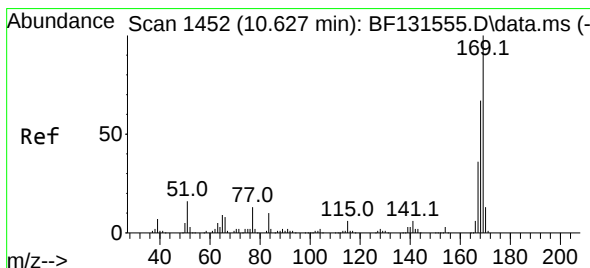
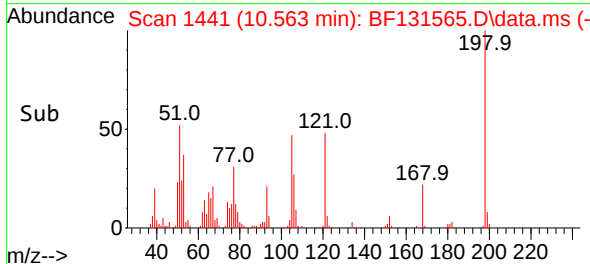
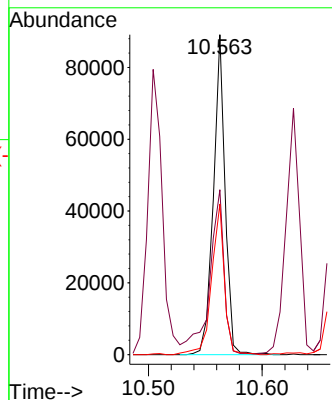
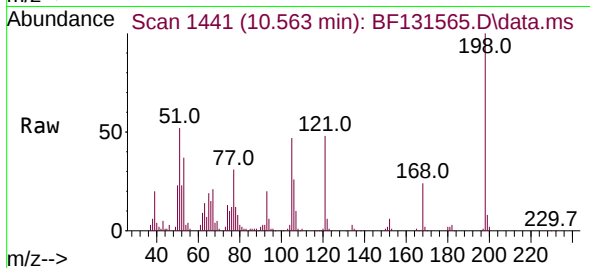
#65  
4,6-Dinitro-2-methylphenol  
Concen: 44.084 ng  
RT: 10.563 min Scan# 1441  
Delta R.T. 0.006 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20

Instrument :  
BNA\_F  
ClientSampleId :  
PB149479BS

Tgt Ion:198 Resp: 6414  
Ion Ratio Lower Upper  
198 100  
51 51.6 36.7 76.7  
105 47.1 29.9 69.9

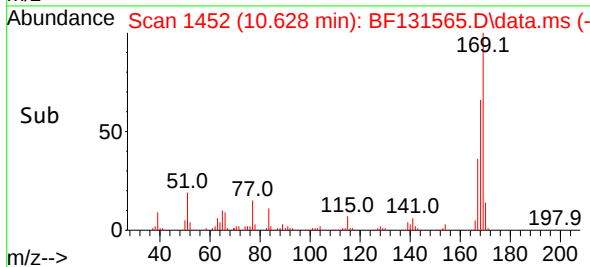
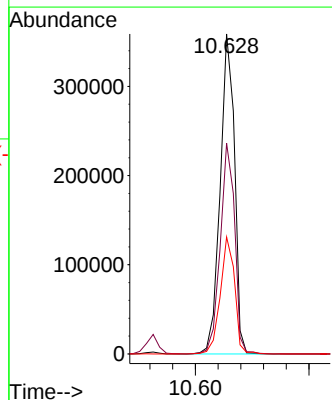
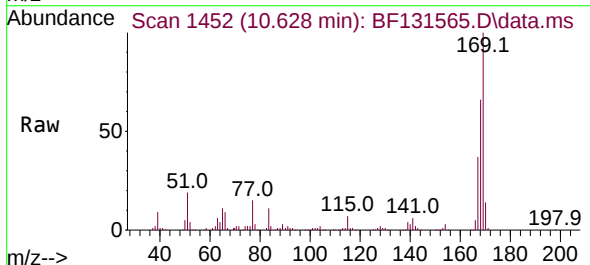
Manual Integrations  
APPROVED

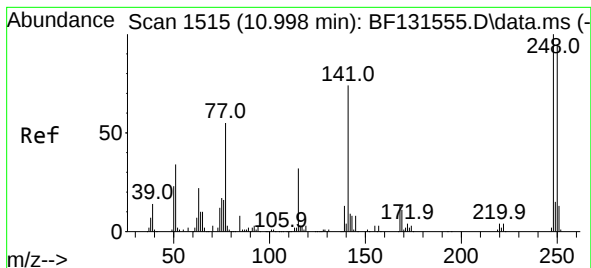
Reviewed By :Christian Giraldo 12/10/2022  
Supervised By :Jagrut Upadhyay 12/12/2022



#66  
n-Nitrosodiphenylamine  
Concen: 42.252 ng  
RT: 10.628 min Scan# 1452  
Delta R.T. 0.000 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20

Tgt Ion:169 Resp: 313787  
Ion Ratio Lower Upper  
169 100  
168 65.9 53.8 80.6  
167 36.5 29.1 43.7





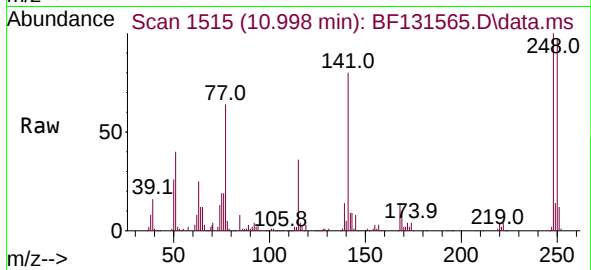
#67  
4-Bromophenyl-phenylether  
Concen: 43.053 ng  
RT: 10.998 min Scan# 1515  
Delta R.T. 0.000 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20

Instrument :

BNA\_F

ClientSampleId :

PB149479BS

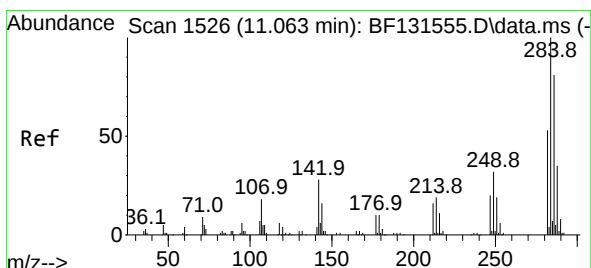
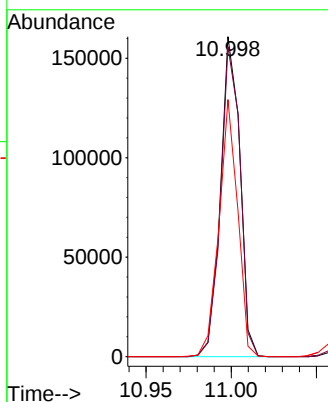
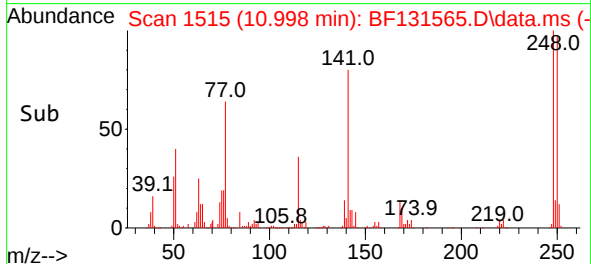


Tgt Ion:248 Resp: 127228  
Ion Ratio Lower Upper  
248 100  
250 96.9 76.2 114.2  
141 80.3 59.5 89.3

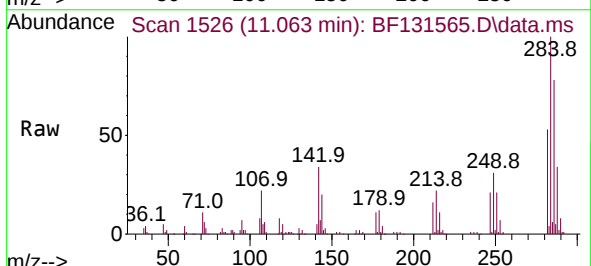
Manual Integrations

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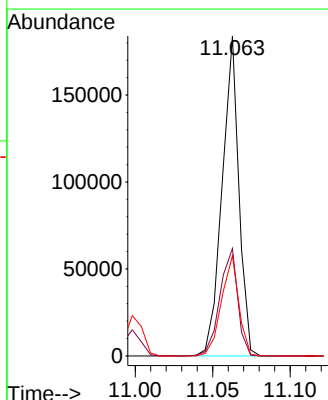
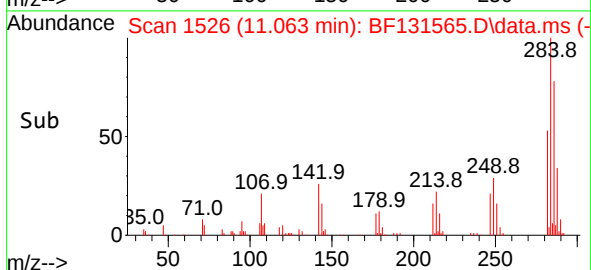
Reviewed By :Christian Giraldo 12/10/2022  
Supervised By :Jagrut Upadhyay 12/12/2022

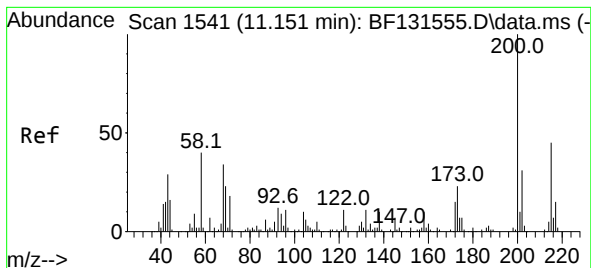


#68  
Hexachlorobenzene  
Concen: 43.233 ng  
RT: 11.063 min Scan# 1526  
Delta R.T. 0.000 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20



Tgt Ion:284 Resp: 138193  
Ion Ratio Lower Upper  
284 100  
142 33.6 22.3 33.5#  
249 31.3 25.4 38.2





#69

Atrazine

Concen: 51.993 ng

RT: 11.157 min Scan# 1542

Delta R.T. 0.006 min

Lab File: BF131565.D

Acq: 09 Dec 2022 14:20

Instrument :

BNA\_F

ClientSampleId :

PB149479BS

Tgt Ion:200 Resp: 122619

Ion Ratio Lower Upper

200 100

173 24.1 3.4 43.4

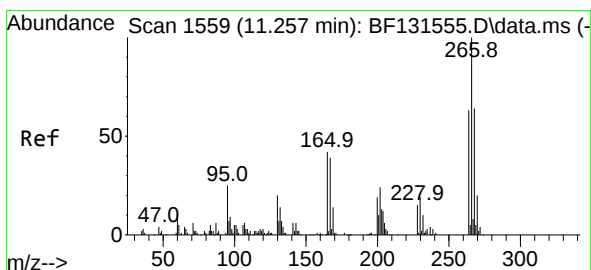
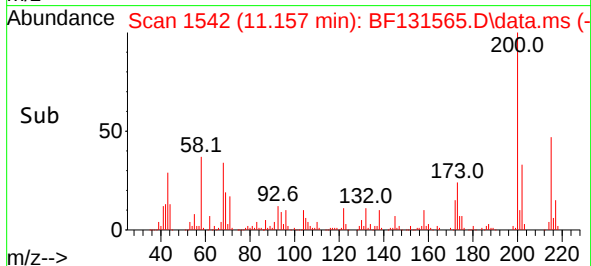
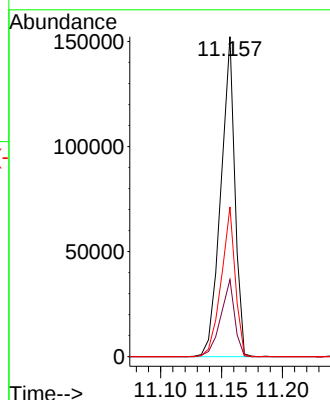
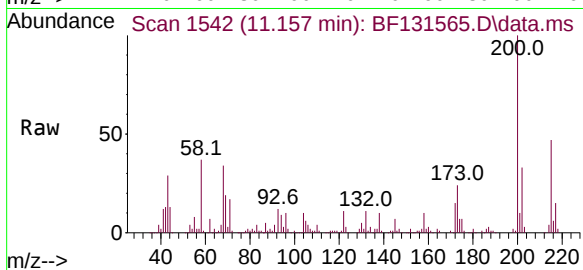
215 46.8 25.0 65.0

Manual Integrations

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Reviewed By :Christian Giraldo 12/10/2022

Supervised By :Jagrut Upadhyay 12/12/2022



#70

Pentachlorophenol

Concen: 92.720 ng

RT: 11.257 min Scan# 1559

Delta R.T. -0.000 min

Lab File: BF131565.D

Acq: 09 Dec 2022 14:20

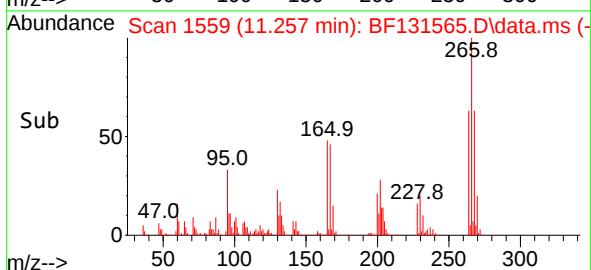
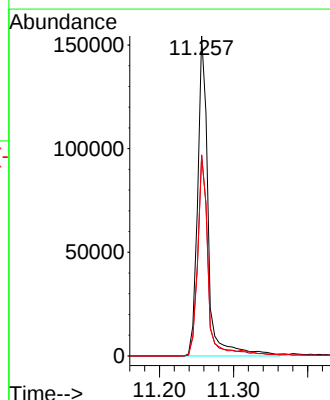
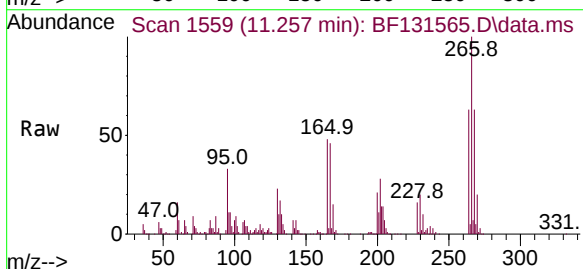
Tgt Ion:266 Resp: 152578

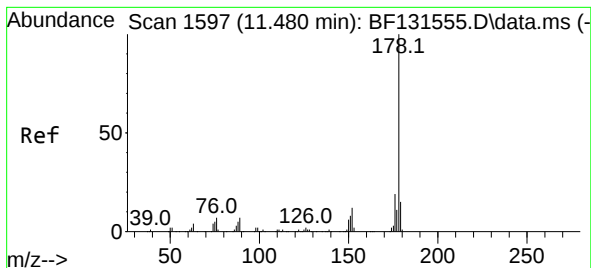
Ion Ratio Lower Upper

266 100

268 62.8 51.5 77.3

264 62.6 50.7 76.1





#71

Phenanthrene

Concen: 42.475 ng

RT: 11.486 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF131565.D

Acq: 09 Dec 2022 14:20

Instrument :

BNA\_F

ClientSampleId :

PB149479BS

Tgt Ion:178 Resp: 543862

Ion Ratio Lower Upper

178 100

176 19.6 15.4 23.0

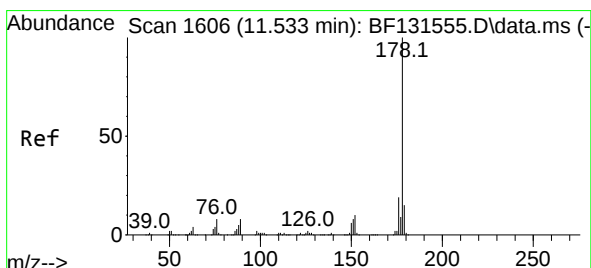
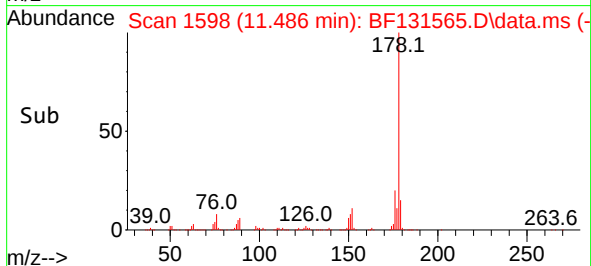
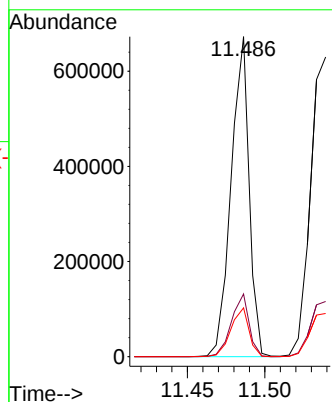
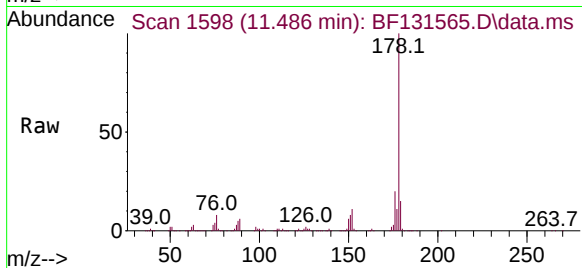
179 15.2 12.2 18.4

Manual Integrations

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Reviewed By :Christian Giraldo 12/10/2022

Supervised By :Jagrut Upadhyay 12/12/2022



#72

Anthracene

Concen: 45.061 ng

RT: 11.539 min Scan# 1607

Delta R.T. 0.006 min

Lab File: BF131565.D

Acq: 09 Dec 2022 14:20

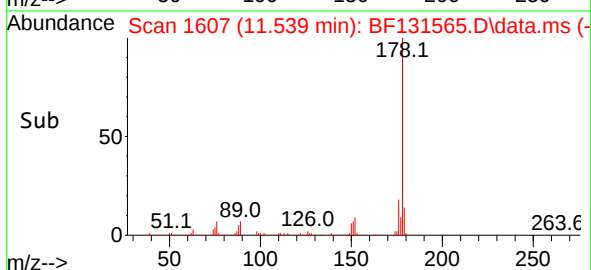
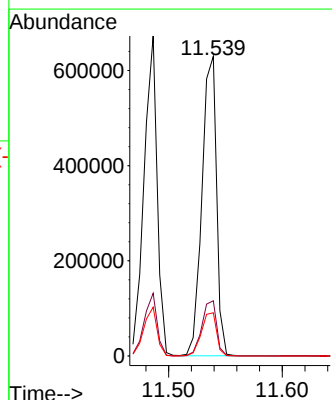
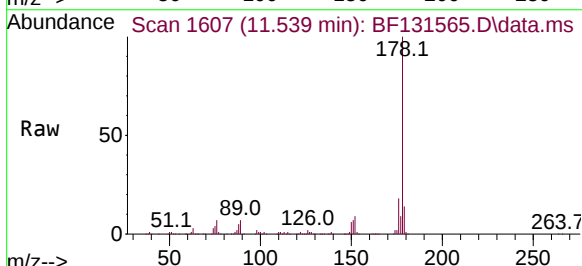
Tgt Ion:178 Resp: 561341

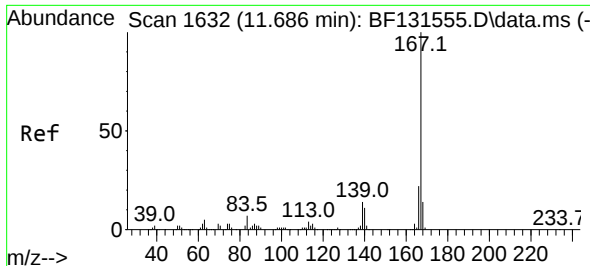
Ion Ratio Lower Upper

178 100

176 18.4 15.0 22.6

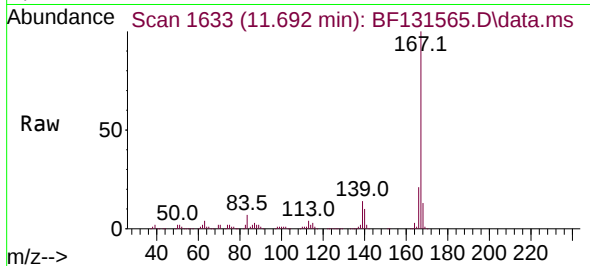
179 14.4 12.3 18.5





#73  
Carbazole  
Concen: 45.639 ng  
RT: 11.692 min Scan# 1633  
Delta R.T. 0.006 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20

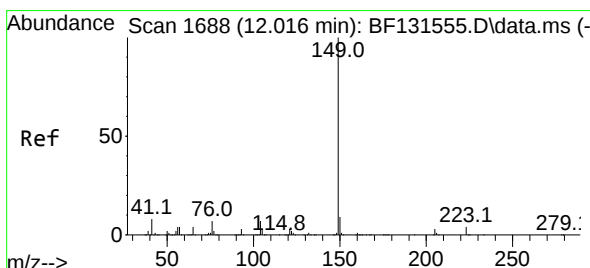
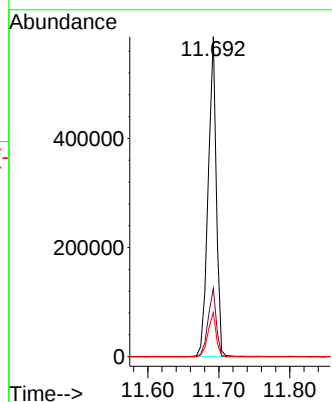
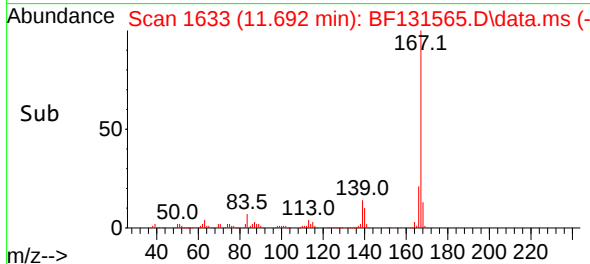
Instrument :  
BNA\_F  
ClientSampleId :  
PB149479BS



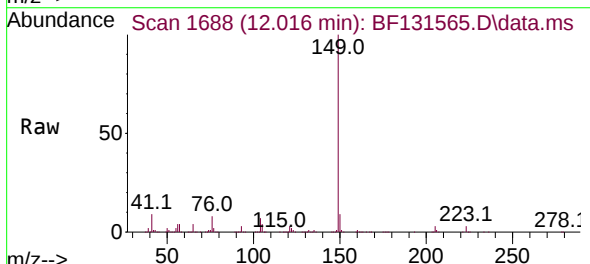
Tgt Ion:167 Resp: 464069  
Ion Ratio Lower Upper  
167 100  
166 21.3 17.4 26.0  
139 13.8 11.0 16.4

Manual Integrations  
APPROVED

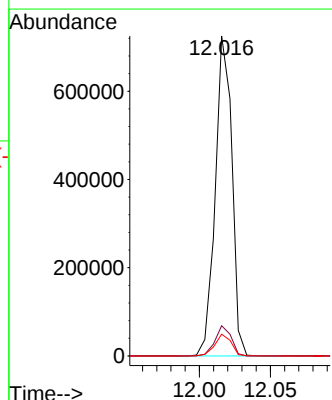
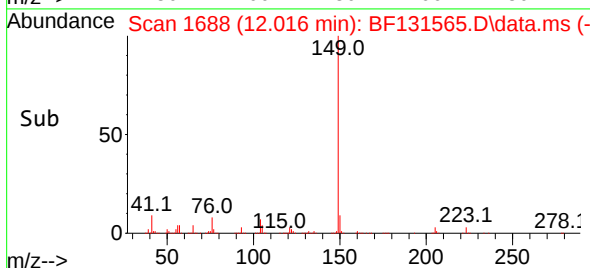
Reviewed By :Christian Giraldo 12/10/2022  
Supervised By :Jagrut Upadhyay 12/12/2022

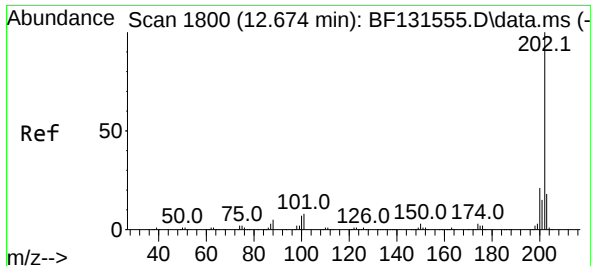


#74  
Di-n-butylphthalate  
Concen: 47.352 ng  
RT: 12.016 min Scan# 1688  
Delta R.T. 0.000 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20



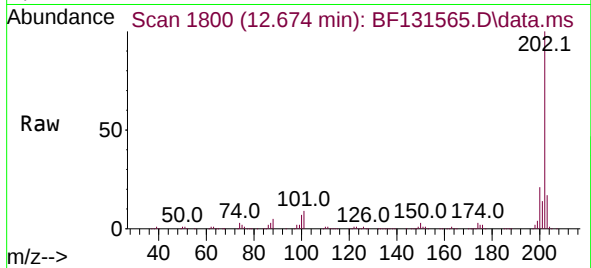
Tgt Ion:149 Resp: 590691  
Ion Ratio Lower Upper  
149 100  
150 9.4 7.2 10.8  
104 6.8 5.2 7.8





#75  
Fluoranthene  
Concen: 44.855 ng  
RT: 12.674 min Scan# 1800  
Delta R.T. 0.000 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20

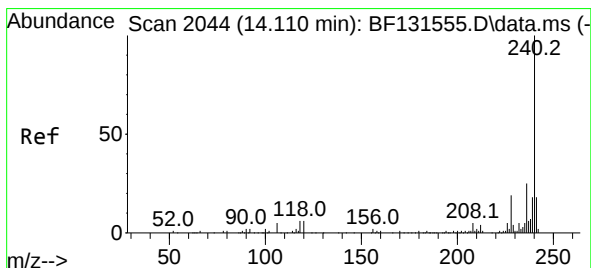
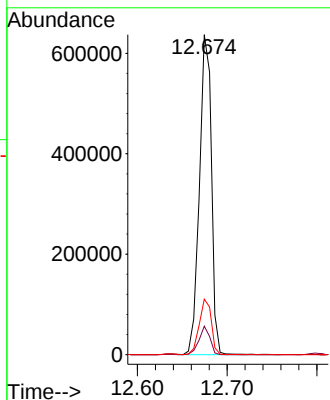
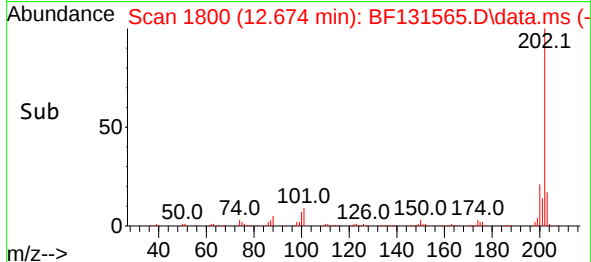
Instrument :  
BNA\_F  
ClientSampleId :  
PB149479BS



Tgt Ion:202 Resp: 591405  
Ion Ratio Lower Upper  
202 100  
101 8.9 0.0 27.7  
203 17.3 0.0 37.7

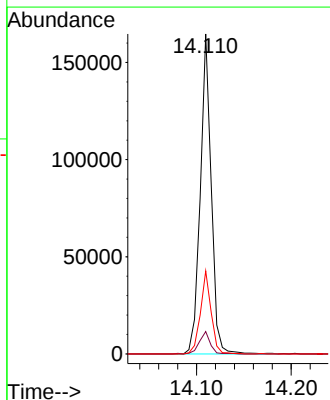
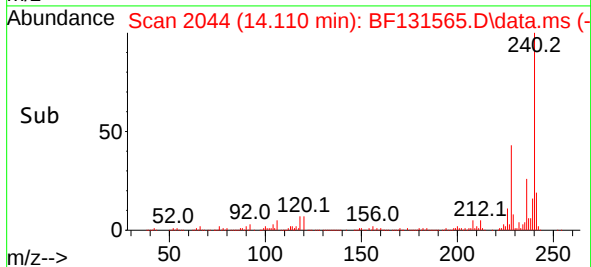
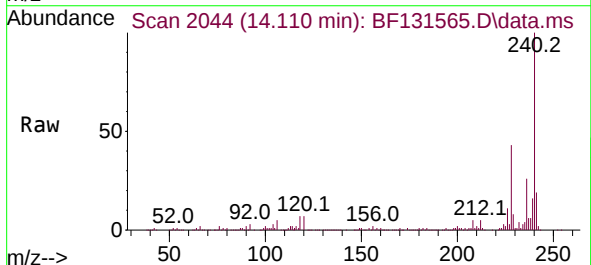
Manual Integrations  
APPROVED

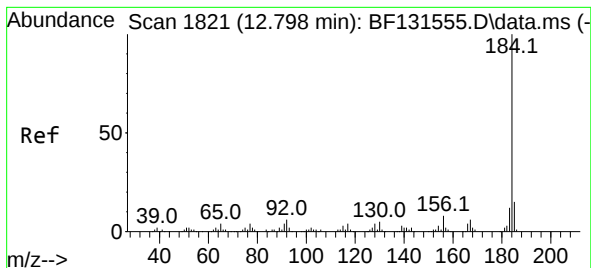
Reviewed By :Christian Giraldo 12/10/2022  
Supervised By :Jagrut Upadhyay 12/12/2022



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.110 min Scan# 2044  
Delta R.T. -0.000 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20

Tgt Ion:240 Resp: 131945  
Ion Ratio Lower Upper  
240 100  
120 7.0 4.6 7.0#  
236 25.9 20.2 30.2





#77

Benzidine

Concen: 67.955 ng

RT: 12.798 min Scan# 1821

Delta R.T. 0.000 min

Lab File: BF131565.D

Acq: 09 Dec 2022 14:20

Instrument :

BNA\_F

ClientSampleId :

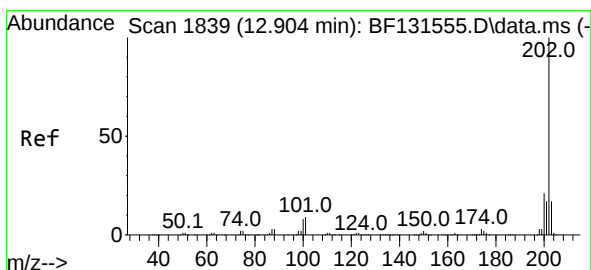
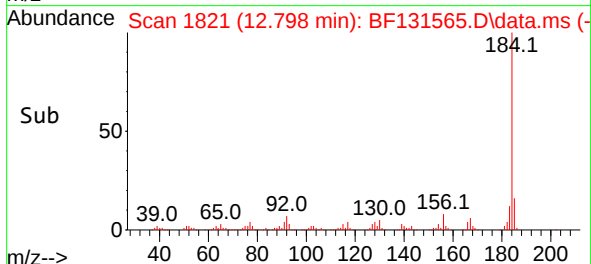
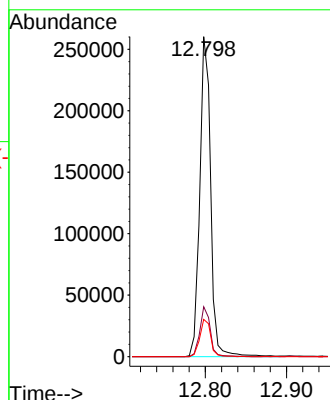
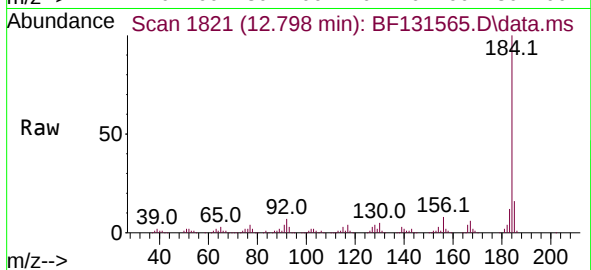
PB149479BS

|             |                |
|-------------|----------------|
| Tgt Ion:184 | Resp: 240242   |
| Ion Ratio   | Lower Upper    |
| 184         | 100            |
| 185         | 15.6 12.2 18.2 |
| 183         | 11.6 9.3 13.9  |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 12/10/2022  
Supervised By :Jagrut Upadhyay 12/12/2022



#78

Pyrene

Concen: 45.609 ng

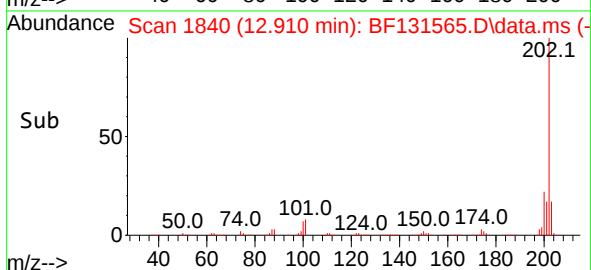
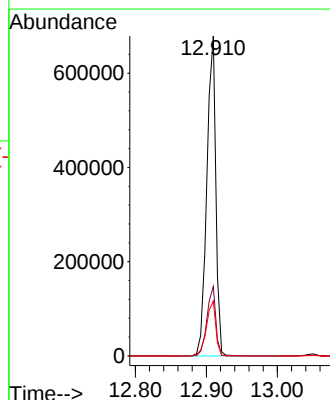
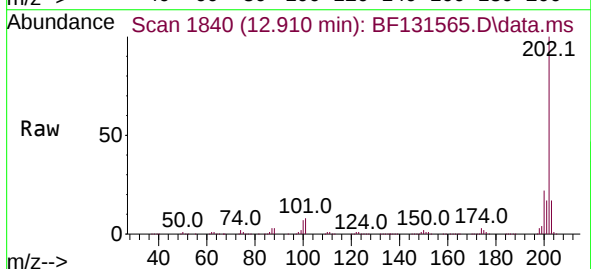
RT: 12.910 min Scan# 1840

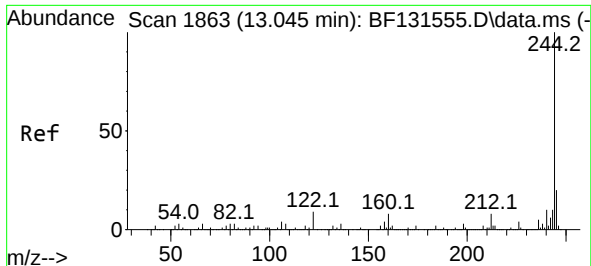
Delta R.T. 0.006 min

Lab File: BF131565.D

Acq: 09 Dec 2022 14:20

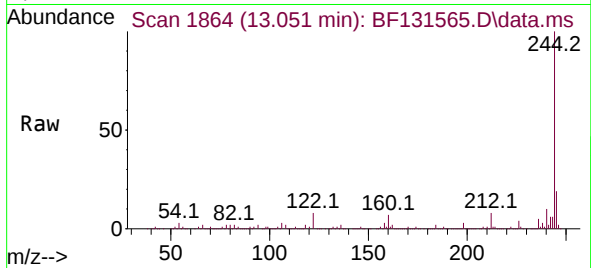
|             |                |
|-------------|----------------|
| Tgt Ion:202 | Resp: 593395   |
| Ion Ratio   | Lower Upper    |
| 202         | 100            |
| 200         | 21.7 16.7 25.1 |
| 203         | 17.1 13.8 20.6 |





#79  
Terphenyl-d14  
Concen: 101.298 ng  
RT: 13.051 min Scan# 1864  
Delta R.T. 0.006 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20

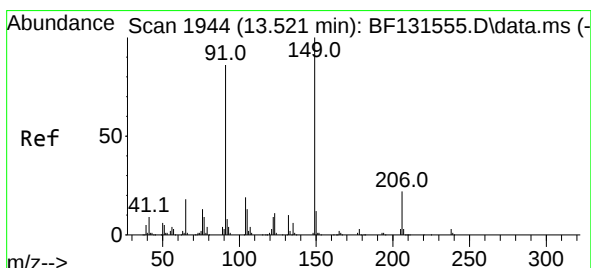
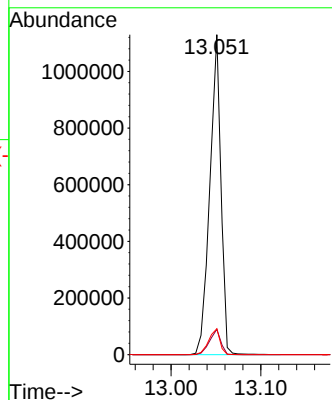
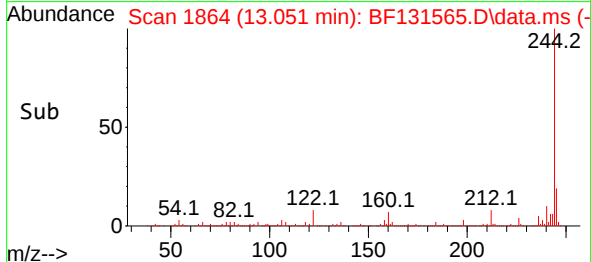
Instrument :  
BNA\_F  
ClientSampleId :  
PB149479BS



Tgt Ion:244 Resp: 974601  
Ion Ratio Lower Upper  
244 100  
212 7.9 6.5 9.7  
122 8.1 7.1 10.7

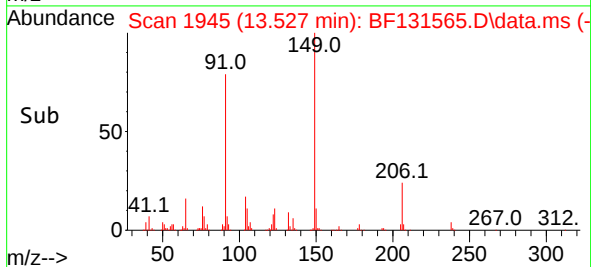
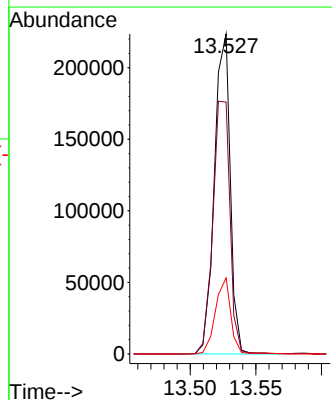
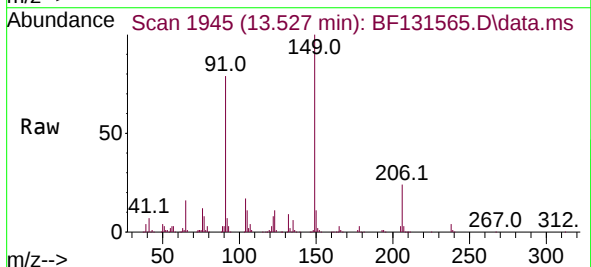
Manual Integrations  
APPROVED

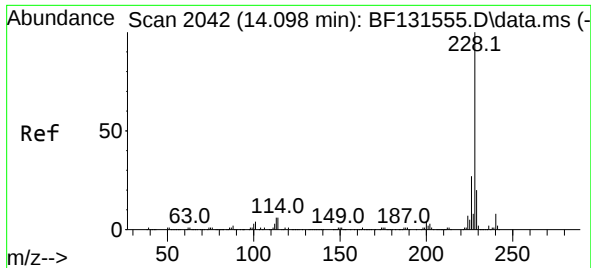
Reviewed By :Christian Giraldo 12/10/2022  
Supervised By :Jagrut Upadhyay 12/12/2022



#80  
Butylbenzylphthalate  
Concen: 50.011 ng  
RT: 13.527 min Scan# 1945  
Delta R.T. 0.006 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20

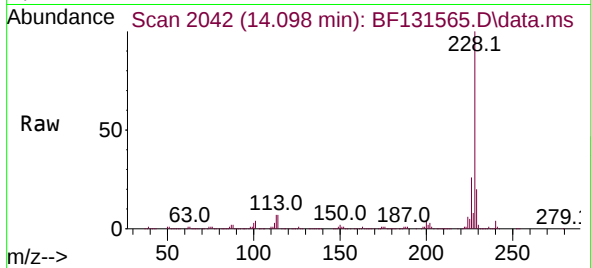
Tgt Ion:149 Resp: 188298  
Ion Ratio Lower Upper  
149 100  
91 78.7 69.0 103.4  
206 23.7 17.8 26.8





#81  
Benzo(a)anthracene  
Concen: 44.354 ng  
RT: 14.098 min Scan# 2042  
Delta R.T. 0.000 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20

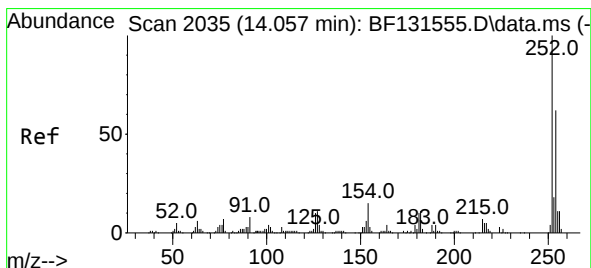
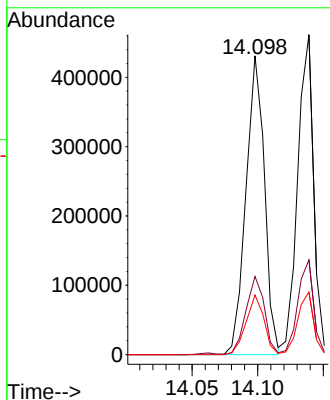
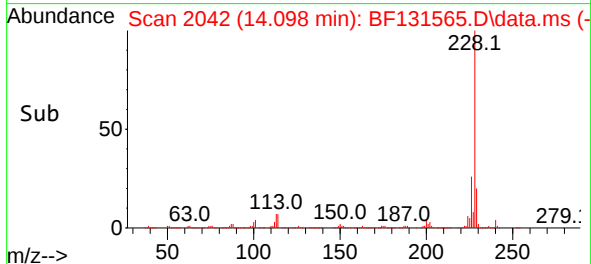
Instrument :  
BNA\_F  
ClientSampleId :  
PB149479BS



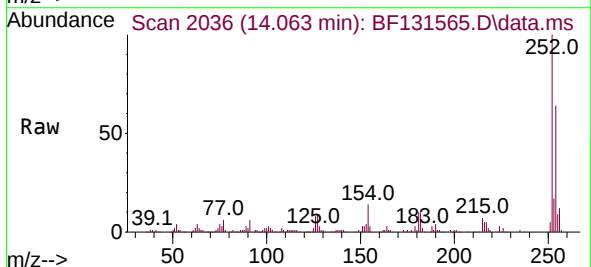
Tgt Ion:228 Resp: 422632  
Ion Ratio Lower Upper  
228 100  
226 26.2 21.5 32.3  
229 19.9 15.8 23.6

Manual Integrations  
APPROVED

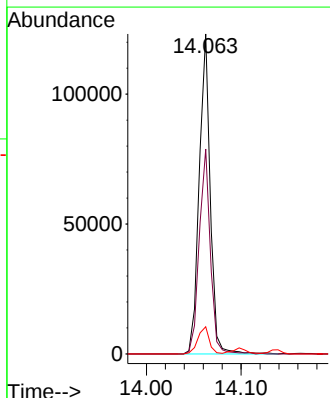
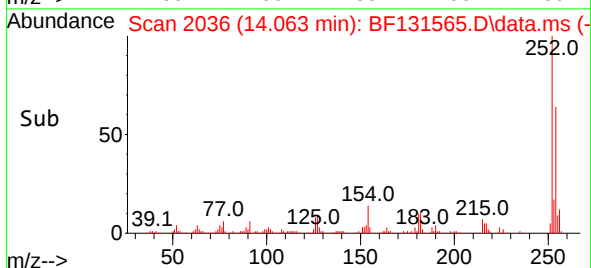
Reviewed By :Christian Giraldo 12/10/2022  
Supervised By :Jagrut Upadhyay 12/12/2022

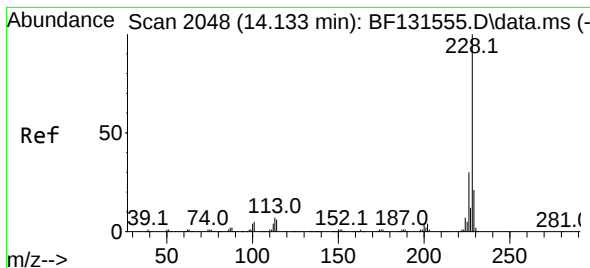


#82  
3,3'-Dichlorobenzidine  
Concen: 36.614 ng  
RT: 14.063 min Scan# 2036  
Delta R.T. 0.006 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20



Tgt Ion:252 Resp: 99260  
Ion Ratio Lower Upper  
252 100  
254 64.0 49.6 74.4  
126 8.5 7.9 11.9





#83

Chrysene

Concen: 43.649 ng

RT: 14.139 min Scan# 2048

Delta R.T. 0.006 min

Lab File: BF131565.D

Acq: 09 Dec 2022 14:20

Instrument :

BNA\_F

ClientSampleId :

PB149479BS

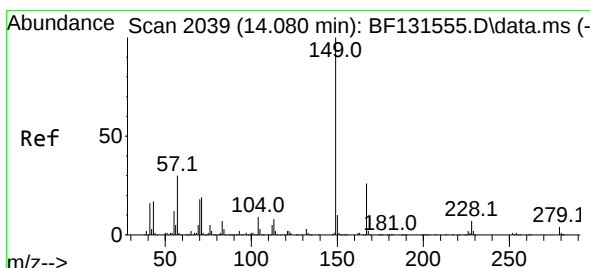
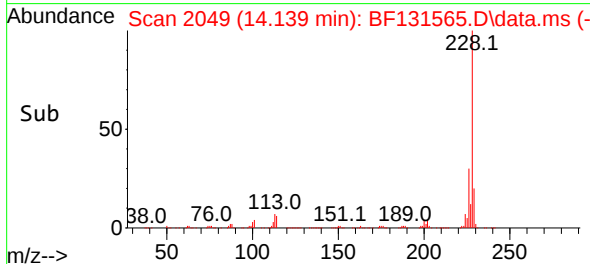
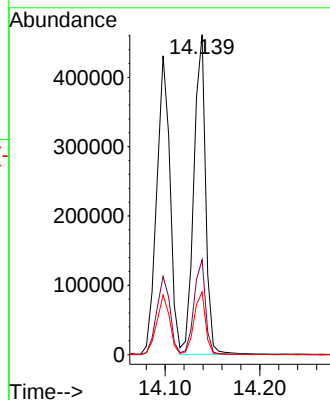
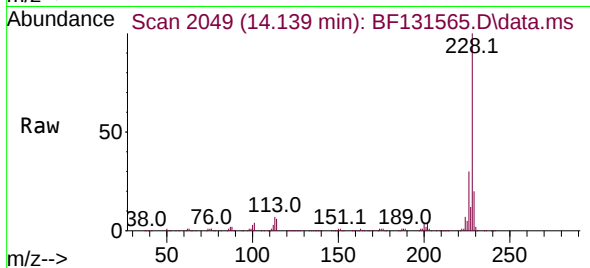
Tgt Ion:228 Resp: 395411

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 29.6  | 23.9  | 35.9  |
| 229 | 19.6  | 16.7  | 25.1  |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 12/10/2022  
Supervised By :Jagrut Upadhyay 12/12/2022



#84

Bis(2-ethylhexyl)phthalate

Concen: 43.060 ng

RT: 14.080 min Scan# 2039

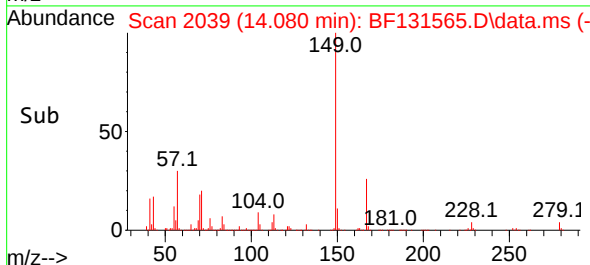
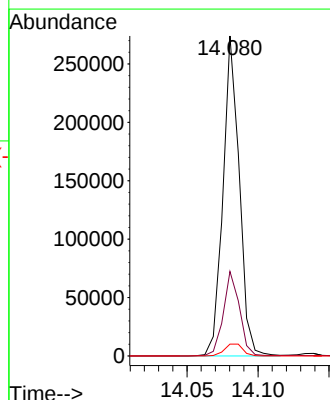
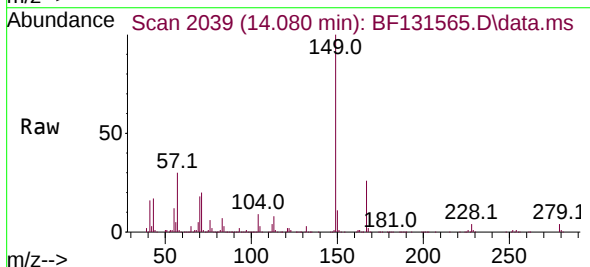
Delta R.T. 0.000 min

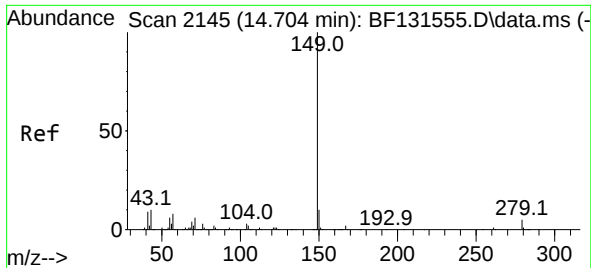
Lab File: BF131565.D

Acq: 09 Dec 2022 14:20

Tgt Ion:149 Resp: 219163

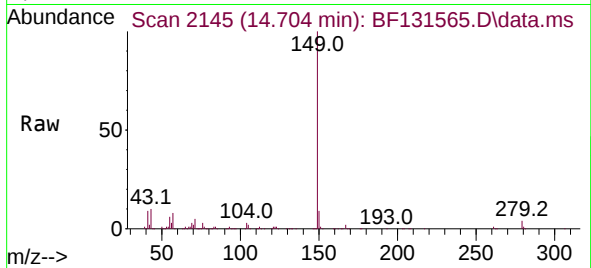
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 26.4  | 20.8  | 31.2  |
| 279 | 3.7   | 3.3   | 4.9   |





#85  
Di-n-octyl phthalate  
Concen: 38.949 ng  
RT: 14.704 min Scan# 2145  
Delta R.T. -0.000 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20

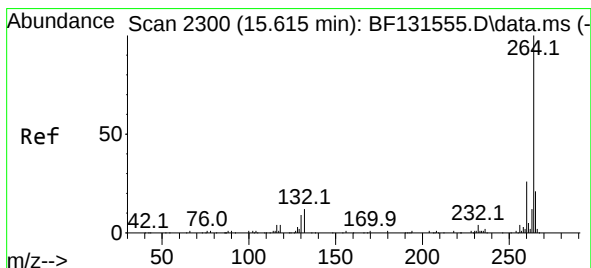
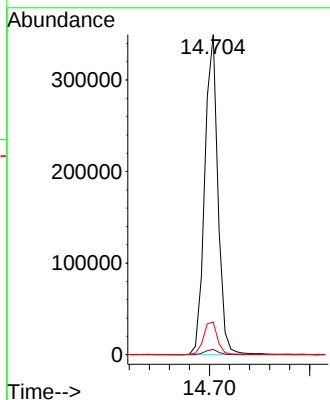
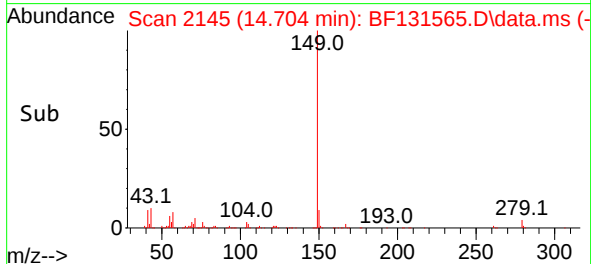
Instrument :  
BNA\_F  
ClientSampleId :  
PB149479BS



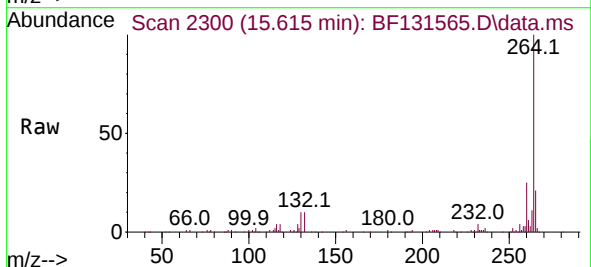
Tgt Ion:149 Resp: 318081  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.2 1.8  
43 11.1 8.6 13.0

Manual Integrations  
APPROVED

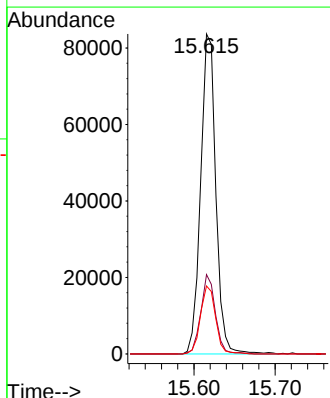
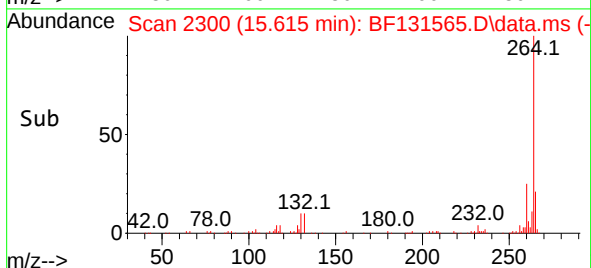
Reviewed By :Christian Giraldo 12/10/2022  
Supervised By :Jagrut Upadhyay 12/12/2022

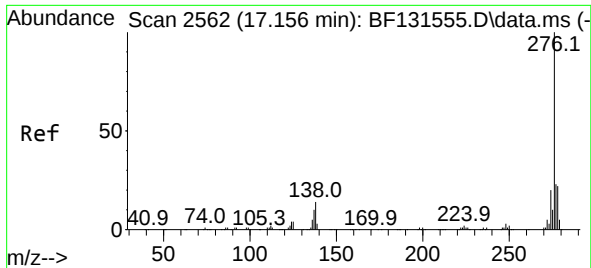


#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.615 min Scan# 2300  
Delta R.T. 0.000 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20



Tgt Ion:264 Resp: 108893  
Ion Ratio Lower Upper  
264 100  
260 24.8 20.6 30.8  
265 21.2 16.8 25.2





#87  
 Indeno(1,2,3-cd)pyrene  
 Concen: 43.148 ng  
 RT: 17.162 min Scan# 21  
 Delta R.T. 0.006 min  
 Lab File: BF131565.D  
 Acq: 09 Dec 2022 14:20

Instrument :

BNA\_F

ClientSampleId :

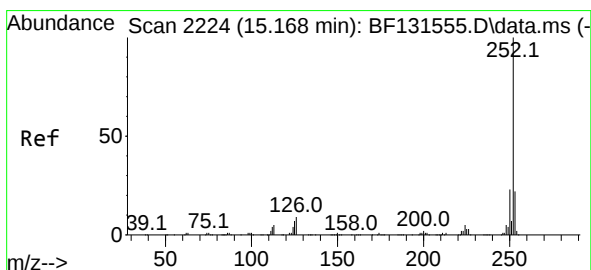
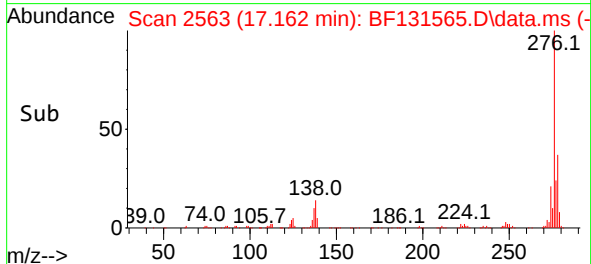
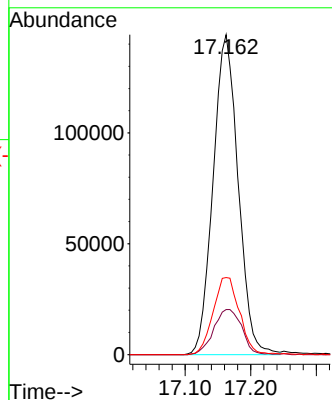
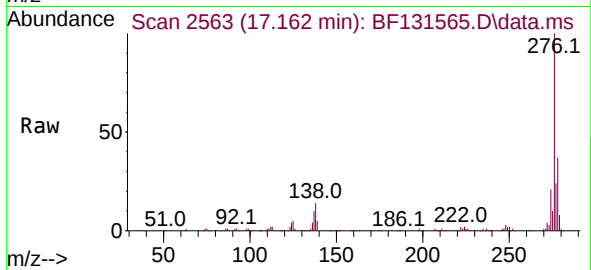
PB149479BS

Tgt Ion:276 Resp: 383445  
 Ion Ratio Lower Upper  
 276 100  
 138 15.8 12.7 19.1  
 277 25.5 20.0 30.0

Manual Integrations

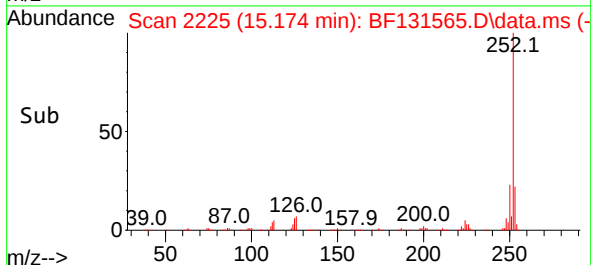
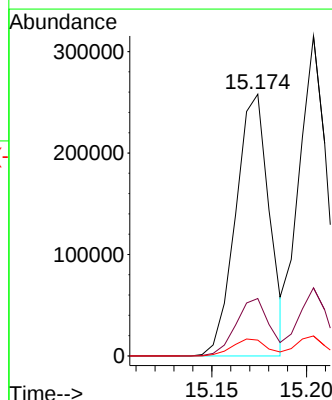
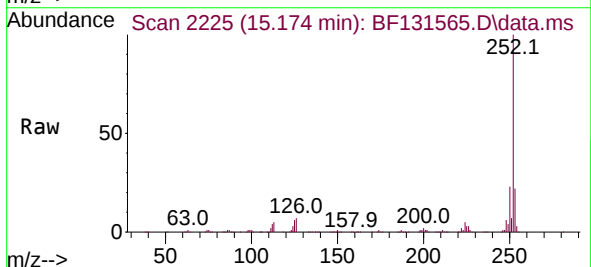
APPROVED

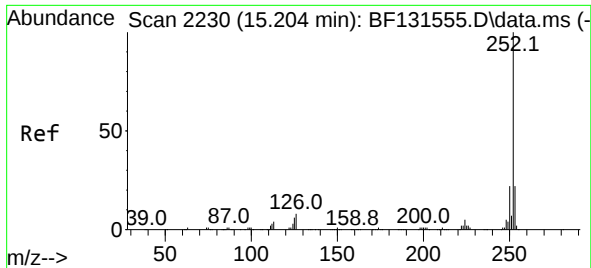
Reviewed By :Christian Giraldo 12/10/2022  
 Supervised By :Jagrut Upadhyay 12/12/2022



#88  
 Benzo(b)fluoranthene  
 Concen: 44.430 ng  
 RT: 15.174 min Scan# 2225  
 Delta R.T. 0.006 min  
 Lab File: BF131565.D  
 Acq: 09 Dec 2022 14:20

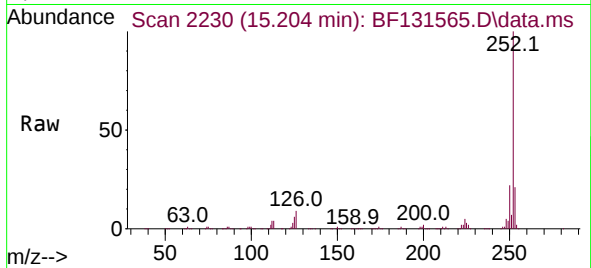
Tgt Ion:252 Resp: 318869  
 Ion Ratio Lower Upper  
 252 100  
 253 21.9 17.7 26.5  
 125 6.0 5.6 8.4





#89  
Benzo(k)fluoranthene  
Concen: 43.181 ng  
RT: 15.204 min Scan# 2230  
Delta R.T. 0.000 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20

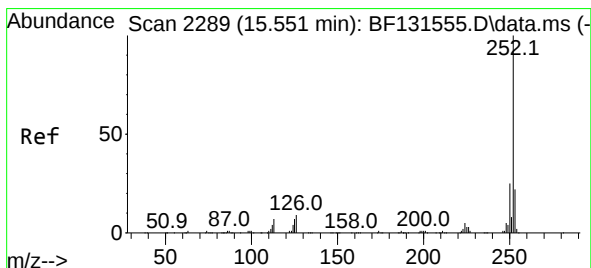
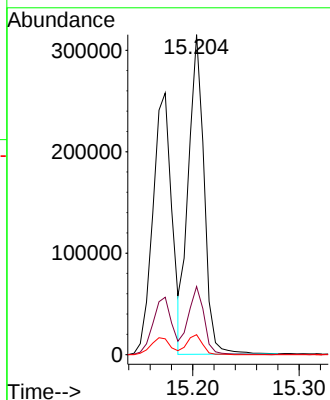
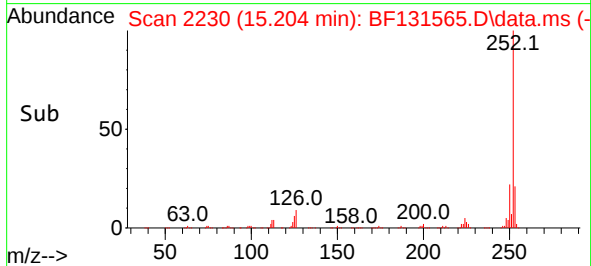
Instrument :  
BNA\_F  
ClientSampleId :  
PB149479BS



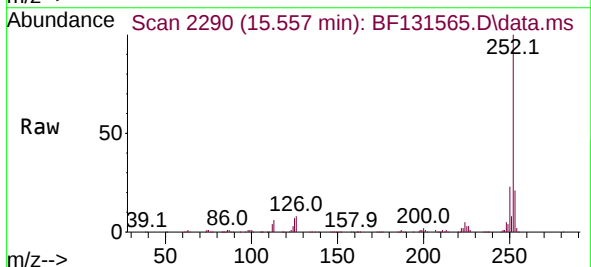
Tgt Ion:252 Resp: 323468  
Ion Ratio Lower Upper  
252 100  
253 21.3 17.7 26.5  
125 6.2 4.9 7.3

Manual Integrations  
APPROVED

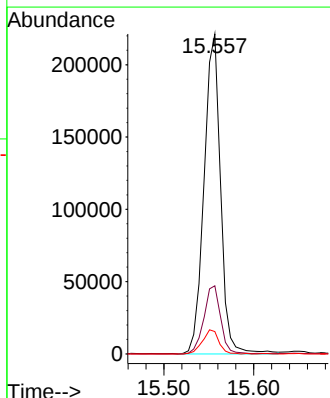
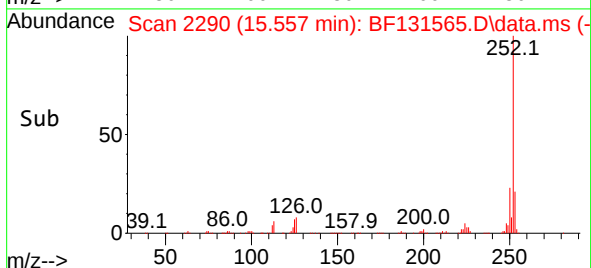
Reviewed By :Christian Giraldo 12/10/2022  
Supervised By :Jagrut Upadhyay 12/12/2022

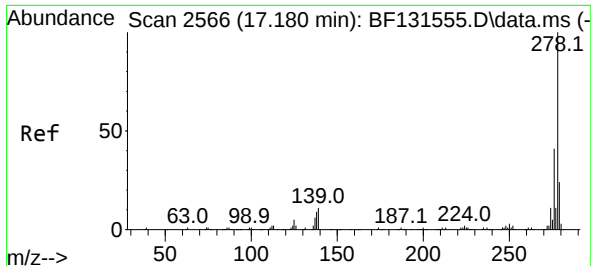


#90  
Benzo(a)pyrene  
Concen: 46.278 ng  
RT: 15.557 min Scan# 2290  
Delta R.T. 0.006 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20



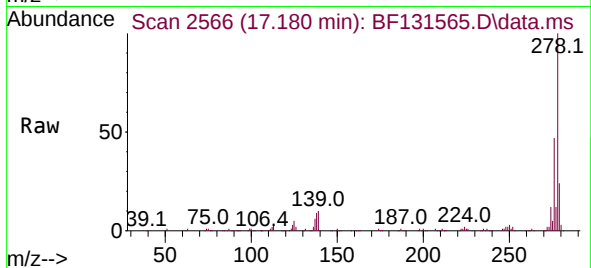
Tgt Ion:252 Resp: 283447  
Ion Ratio Lower Upper  
252 100  
253 21.3 17.5 26.3  
125 7.0 5.6 8.4





#91  
Dibenzo(a,h)anthracene  
Concen: 45.006 ng  
RT: 17.180 min Scan# 2566  
Delta R.T. 0.000 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20

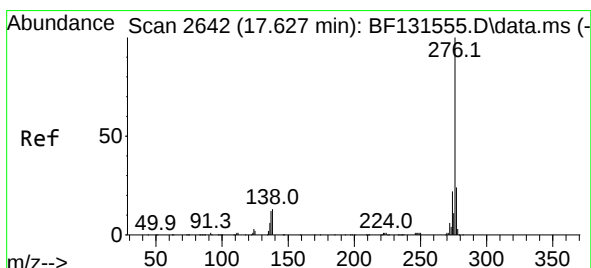
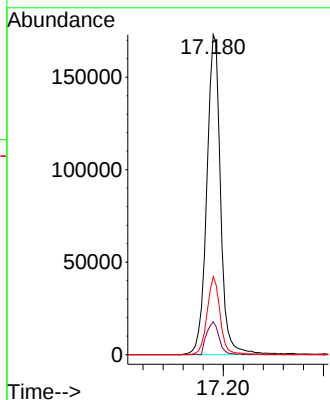
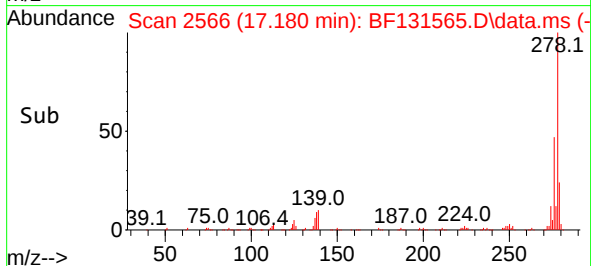
Instrument :  
BNA\_F  
ClientSampleId :  
PB149479BS



Tgt Ion: 278 Resp: 329178  
Ion Ratio Lower Upper  
278 100  
139 10.2 8.9 13.3  
279 24.4 19.0 28.6

Manual Integrations  
APPROVED

Reviewed By : Christian Giraldo 12/10/2022  
Supervised By : Jagrut Upadhyay 12/12/2022



#92  
Benzo(g,h,i)perylene  
Concen: 44.401 ng  
RT: 17.633 min Scan# 2643  
Delta R.T. 0.006 min  
Lab File: BF131565.D  
Acq: 09 Dec 2022 14:20

Tgt Ion: 276 Resp: 326379  
Ion Ratio Lower Upper  
276 100  
277 23.1 19.0 28.6  
138 13.8 10.7 16.1

