

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP091223\  
 Data File : BP017162.D  
 Acq On : 13 Sep 2023 22:37  
 Operator : MA/JU  
 Sample : 04227-04DL 5X  
 Misc :  
 ALS Vial : 50 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 BH9W1DL

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 09/14/2023  
 Supervised By :mohammad ahmed 09/15/2023

Quant Time: Sep 14 00:31:49 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP091223.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Sep 12 23:27:27 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| -----                         |        |      |          |         |        |          |
| Internal Standards            |        |      |          |         |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.957  | 152  | 276580   | 20.000  | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.781 | 136  | 1178185  | 20.000  | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.610 | 164  | 732313   | 20.000  | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.381 | 188  | 1493461  | 20.000  | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.480 | 240  | 1037290  | 20.000  | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.010 | 264  | 1122169  | 20.000  | ng/ul  | -0.01    |
| System Monitoring Compounds   |        |      |          |         |        |          |
| 3) 1,4-Dioxane-d8             | 3.311  | 96   | 32733    | 4.973   | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.758  | 84   | 186240   | 9.892   | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.110  | 99   | 159510   | 7.093   | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.299  | 67   | 424317   | 30.186  | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.475  | 132  | 447336   | 24.933  | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.669  | 113  | 318454   | 17.086  | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.152  | 128  | 290800   | 35.249  | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.869  | 143  | 314586   | 35.718  | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.399 | 165  | 590922   | 34.692  | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.946 | 131  | 552463   | 21.519  | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.034 | 166  | 1975613  | 37.910  | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.310 | 160  | 2204195  | 37.276  | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.898 | 143  | 94107m   | 9.343   | ng/ul  | 0.06     |
| 60) Fluorene-d10              | 15.610 | 176  | 1669598  | 37.053  | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.739 | 200  | 270648   | 32.436  | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.486 | 188  | 2585126  | 40.740  | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.722 | 212  | 2580931  | 47.443  | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.839 | 264  | 2080352  | 39.278  | ng/ul  | -0.01    |
| Target Compounds              |        |      |          |         |        |          |
|                               |        |      |          |         | Qvalue |          |
| 2) 1,4-Dioxane                | 3.352  | 88   | 63317    | 8.946   | ng/uL# | 82       |
| 8) Phenol                     | 7.146  | 94   | 3072019  | 129.516 | ng/ul  | 98       |
| 12) 2-Chlorophenol            | 7.510  | 128  | 67656    | 3.715   | ng/ul  | 96       |
| 13) 2-Methylphenol            | 8.399  | 108  | 416120   | 23.533  | ng/ul  | 99       |
| 16) Acetophenone              | 8.805  | 105  | 348307   | 11.939  | ng/ul  | 99       |
| 18) 4-Methylphenol            | 8.740  | 108  | 1605016  | 82.041  | ng/ul  | 96       |
| 26) 2,4-Dimethylphenol        | 9.952  | 107  | 1360816m | 68.212  | ng/ul  |          |
| 30) Naphthalene               | 10.834 | 128  | 6042651  | 101.354 | ng/ul  | 99       |
| 36) 2-Methylnaphthalene       | 12.440 | 142  | 2099912  | 52.199  | ng/ul  | 98       |
| 37) 1-Methylnaphthalene       | 12.657 | 142  | 1318960  | 32.390  | ng/ul  | 99       |
| 42) 2,4,5-Trichlorophenol     | 13.116 | 196  | 57782    | 3.923   | ng/ul  | 99       |
| 43) 1,1'-Biphenyl             | 13.445 | 154  | 679757   | 12.945  | ng/ul  | 99       |
| 47) Dimethylphthalate         | 14.081 | 163  | 97332    | 1.840   | ng/ul# | 93       |
| 59) Diethylphthalate          | 15.434 | 149  | 2753612  | 52.720  | ng/ul  | 99       |
| 61) Fluorene                  | 15.669 | 166  | 105131   | 2.036   | ng/ul  | 98       |
| 67) N-Nitrosodiphenylamine    | 15.881 | 169  | 72430    | 1.865   | ng/ul# | 95       |
| 71) Pentachlorophenol         | 17.016 | 266  | 163210   | 14.904  | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.316 | 149  | 581527   | 7.646   | ng/ul  | 97       |
| -----                         |        |      |          |         |        |          |

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

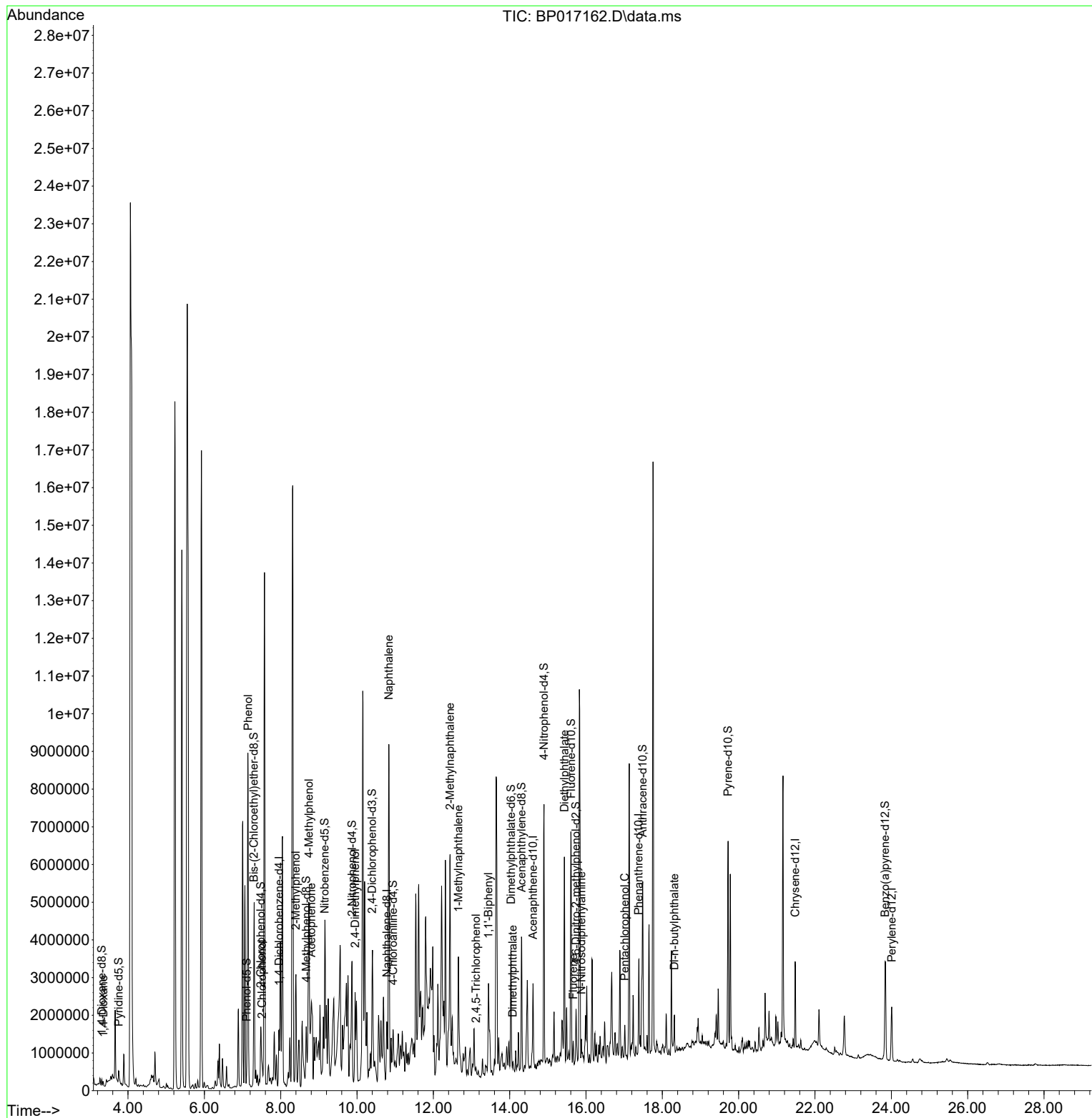
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Data File : BP017162.D  
Acq On : 13 Sep 2023 22:37  
Operator : MA/JU  
Sample : 04227-04DL 5X  
Misc :  
ALS Vial : 50 Sample Multiplier: 1

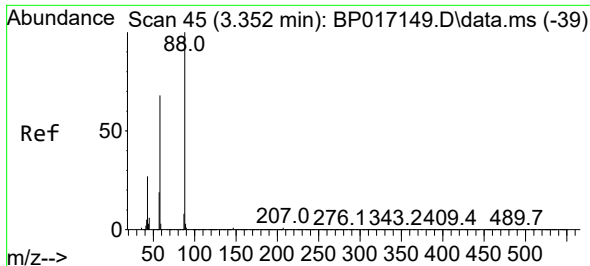
Instrument :  
BNA\_P  
ClientSampleId :  
BH9W1DL

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 09/14/2023  
Supervised By :mohammad ahmed 09/15/2023

Quant Time: Sep 14 00:31:49 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP091223.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Sep 12 23:27:27 2023  
Response via : Initial Calibration





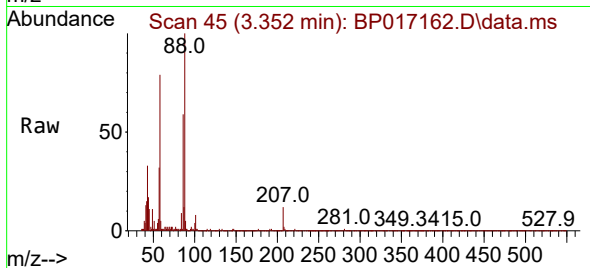
#2  
1,4-Dioxane  
Concen: 8.946 ng/uL  
RT: 3.352 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: BP017162.D  
Acq: 13 Sep 2023 22:37

Instrument :

BNA\_P

ClientSampleId :

BH9W1DL



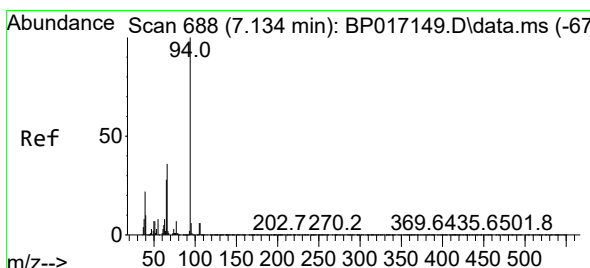
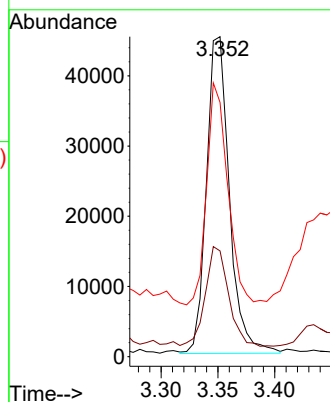
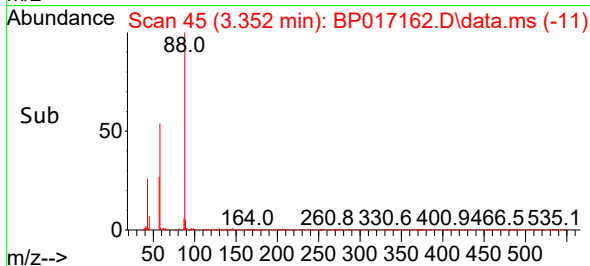
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 33.1  | 21.9  | 32.9  |
| 58      | 79.5  | 50.8  | 76.2  |

Manual Integrations

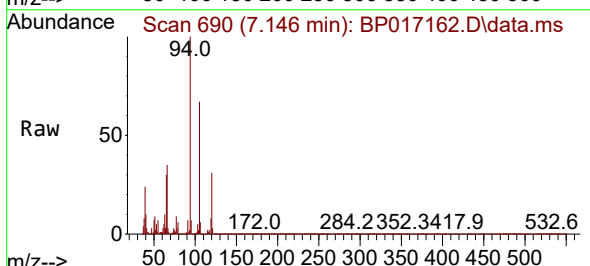
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Reviewed By :Yogesh Patel 09/14/2023

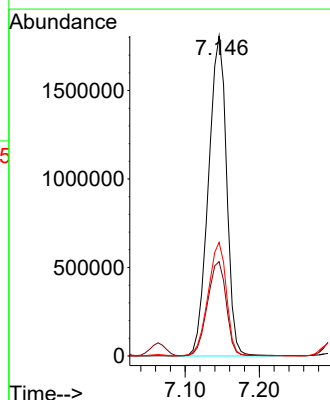
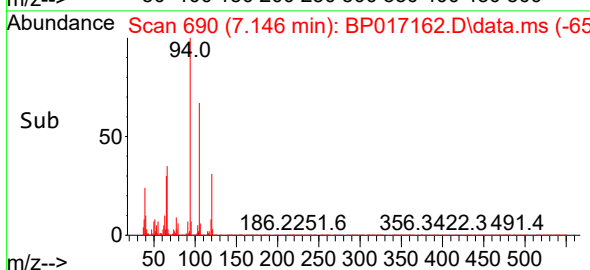
Supervised By :mohammad ahmed 09/15/2023

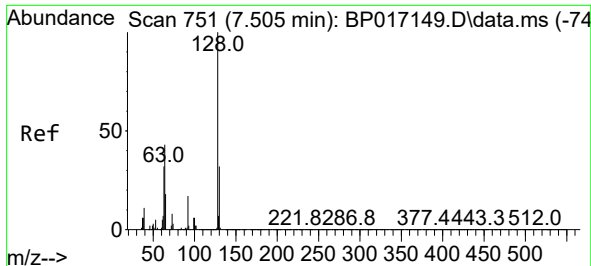


#8  
Phenol  
Concen: 129.516 ng/uL  
RT: 7.146 min Scan# 690  
Delta R.T. 0.012 min  
Lab File: BP017162.D  
Acq: 13 Sep 2023 22:37



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 94      | 100   |       |       |
| 65      | 29.5  | 22.7  | 34.1  |
| 66      | 35.5  | 29.6  | 44.4  |





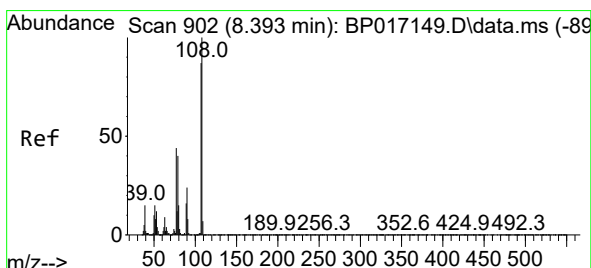
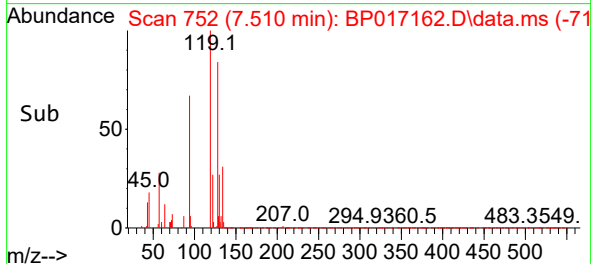
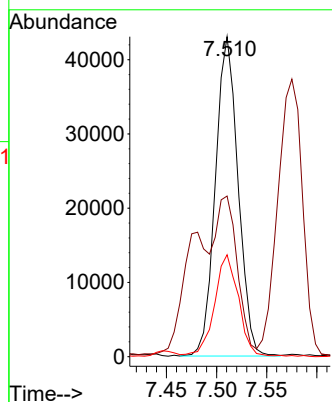
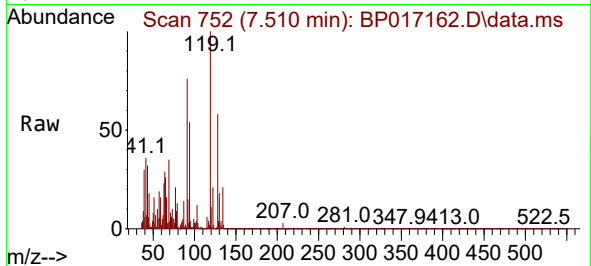
#12  
2-Chlorophenol  
Concen: 3.715 ng/ul  
RT: 7.510 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: BP017162.D  
Acq: 13 Sep 2023 22:37

Instrument :  
BNA\_P  
ClientSampleId :  
BH9W1DL

Tgt Ion:128 Resp: 67650  
Ion Ratio Lower Upper  
128 100  
64 50.2 36.8 55.2  
130 31.9 26.3 39.5

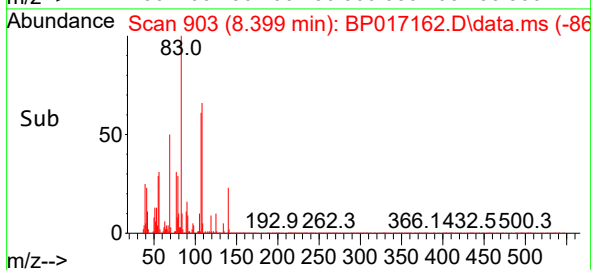
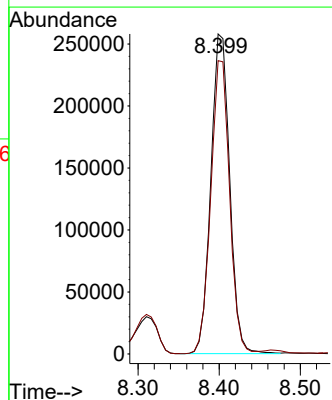
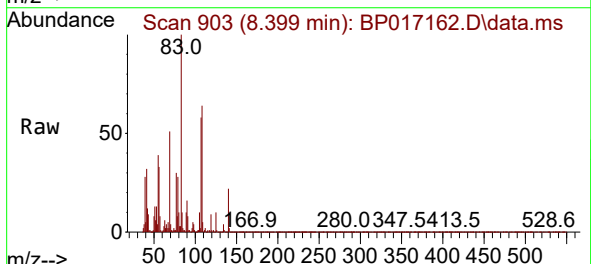
Manual Integrations  
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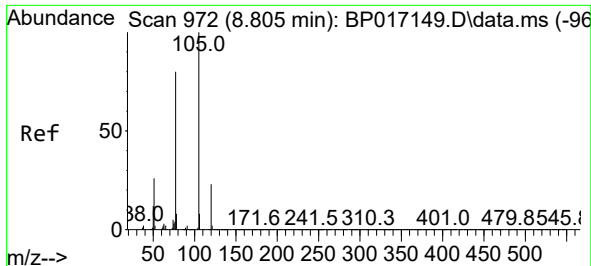
Reviewed By :Yogesh Patel 09/14/2023  
Supervised By :mohammad ahmed 09/15/2023



#13  
2-Methylphenol  
Concen: 23.533 ng/ul  
RT: 8.399 min Scan# 903  
Delta R.T. 0.000 min  
Lab File: BP017162.D  
Acq: 13 Sep 2023 22:37

Tgt Ion:108 Resp: 416120  
Ion Ratio Lower Upper  
108 100  
107 91.6 72.2 108.4





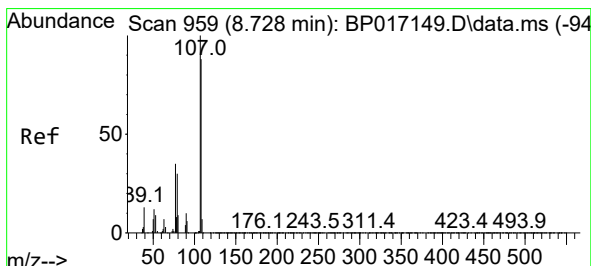
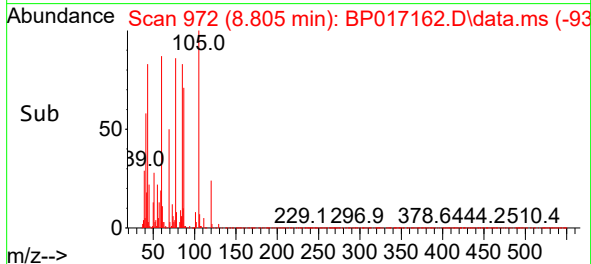
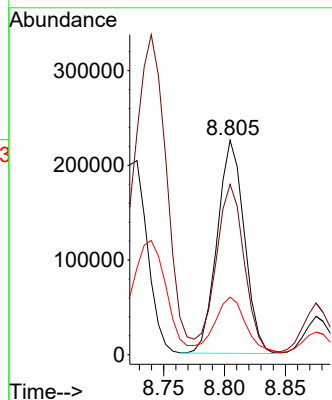
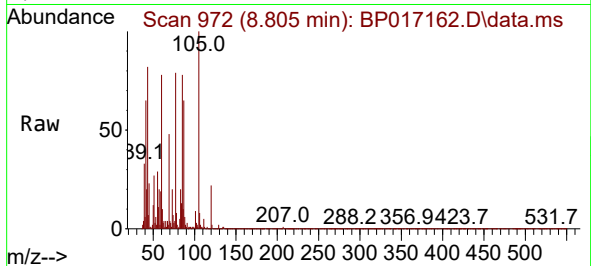
#16  
Acetophenone  
Concen: 11.939 ng/ul  
RT: 8.805 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BP017162.D  
Acq: 13 Sep 2023 22:37

Instrument :  
BNA\_P  
ClientSampleId :  
BH9W1DL

Tgt Ion:105 Resp: 34830  
Ion Ratio Lower Upper  
105 100  
77 79.5 63.0 94.4  
51 26.9 20.5 30.7

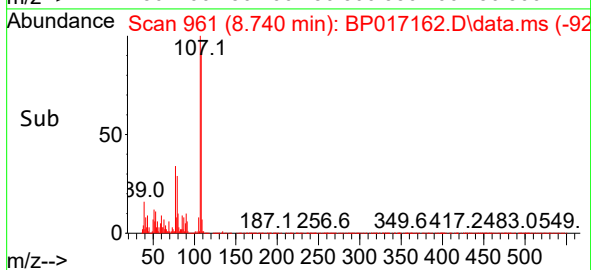
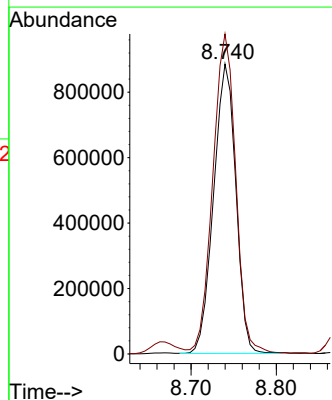
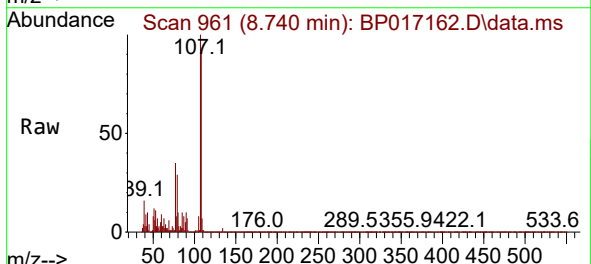
Manual Integrations  
APPROVED

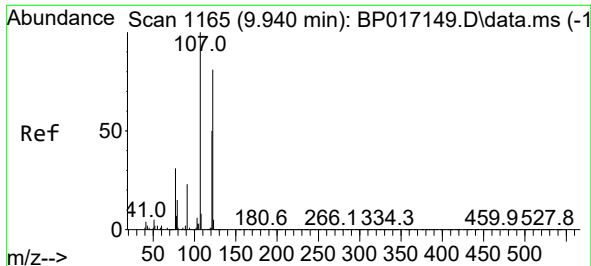
Reviewed By :Yogesh Patel 09/14/2023  
Supervised By :mohammad ahmed 09/15/2023



#18  
4-Methylphenol  
Concen: 82.041 ng/ul  
RT: 8.740 min Scan# 961  
Delta R.T. 0.006 min  
Lab File: BP017162.D  
Acq: 13 Sep 2023 22:37

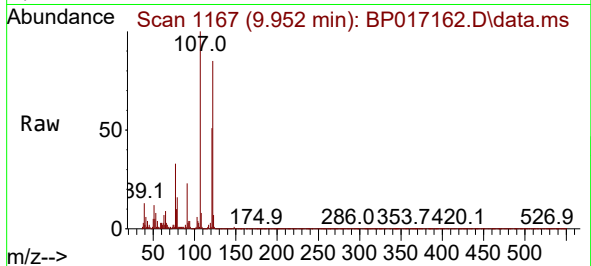
Tgt Ion:108 Resp: 1605016  
Ion Ratio Lower Upper  
108 100  
107 110.4 91.4 137.0





#26  
2,4-Dimethylphenol  
Concen: 68.212 ng/ul m  
RT: 9.952 min Scan# 1165  
Delta R.T. 0.006 min  
Lab File: BP017162.D  
Acq: 13 Sep 2023 22:37

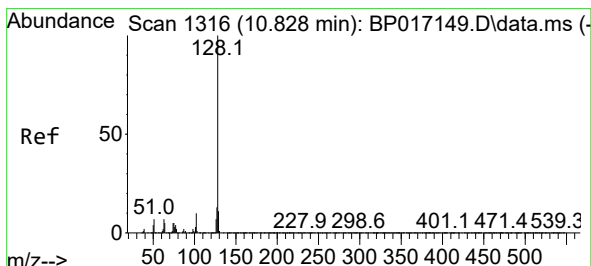
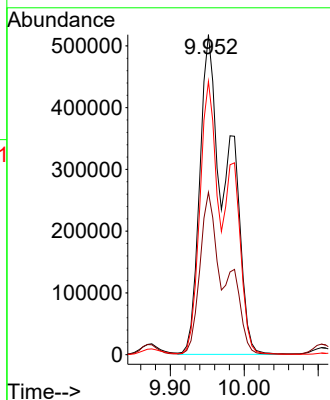
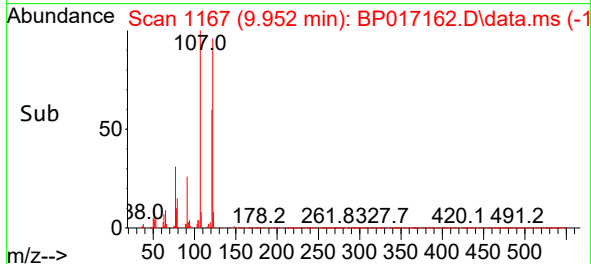
Instrument :  
BNA\_P  
ClientSampleId :  
BH9W1DL



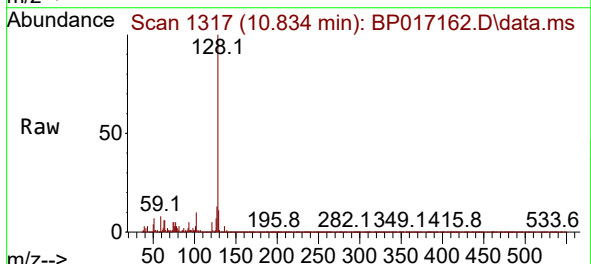
Tgt Ion:107 Resp: 1360810  
Ion Ratio Lower Upper  
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122 85.4 70.4 105.6

Manual Integrations  
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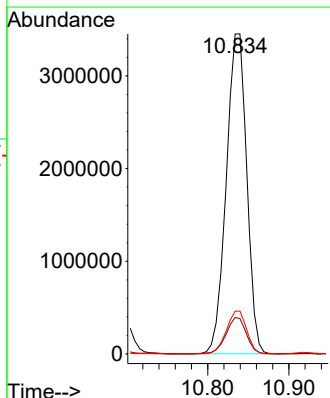
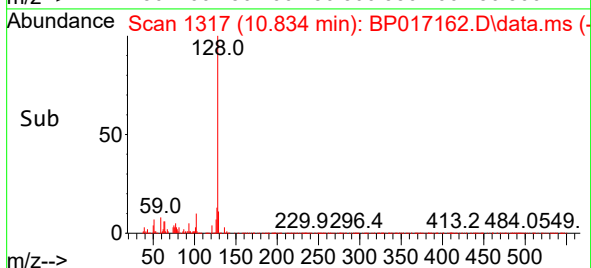
Reviewed By :Yogesh Patel 09/14/2023  
Supervised By :mohammad ahmed 09/15/2023

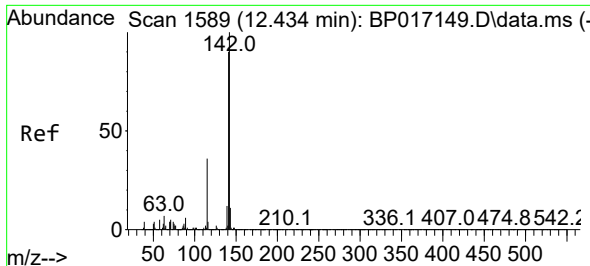


#30  
Naphthalene  
Concen: 101.354 ng/ul  
RT: 10.834 min Scan# 1317  
Delta R.T. 0.000 min  
Lab File: BP017162.D  
Acq: 13 Sep 2023 22:37



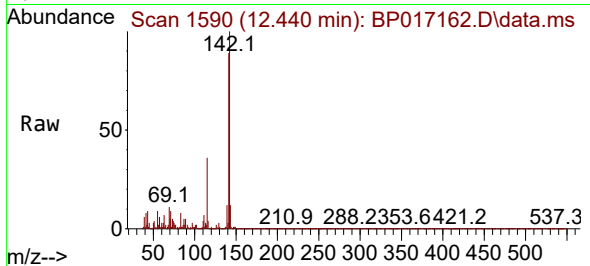
Tgt Ion:128 Resp: 6042651  
Ion Ratio Lower Upper  
128 100  
129 11.4 8.6 13.0  
127 13.4 10.4 15.6





#36  
2-Methylnaphthalene  
Concen: 52.199 ng/ul  
RT: 12.440 min Scan# 1589  
Delta R.T. 0.000 min  
Lab File: BP017162.D  
Acq: 13 Sep 2023 22:37

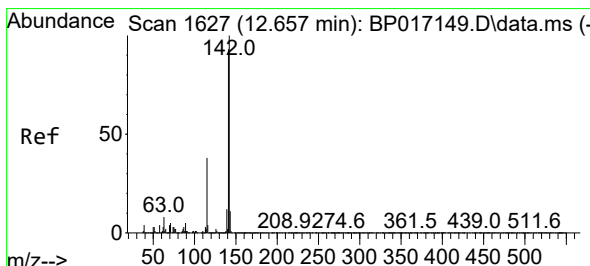
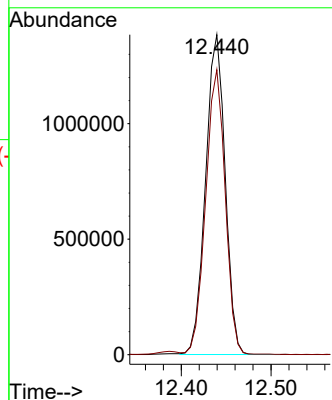
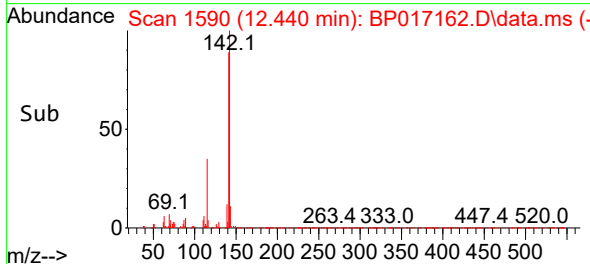
Instrument :  
BNA\_P  
ClientSampleId :  
BH9W1DL



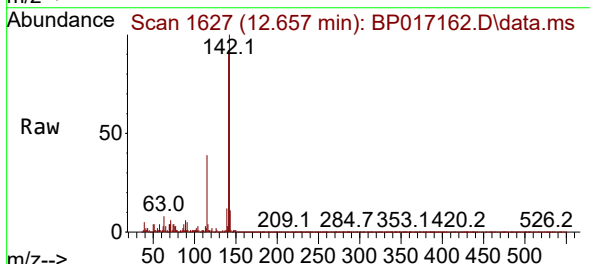
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Ion Ratio Lower Upper  
142 100  
141 89.1 70.1 105.1

Manual Integrations  
APPROVED

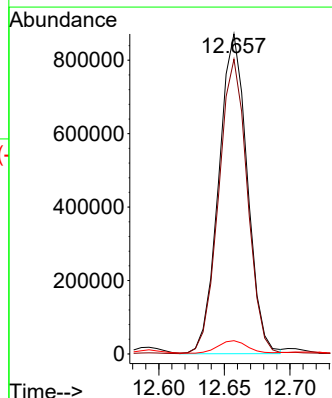
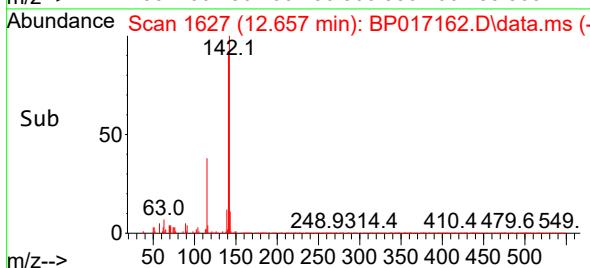
Reviewed By :Yogesh Patel 09/14/2023  
Supervised By :mohammad ahmed 09/15/2023

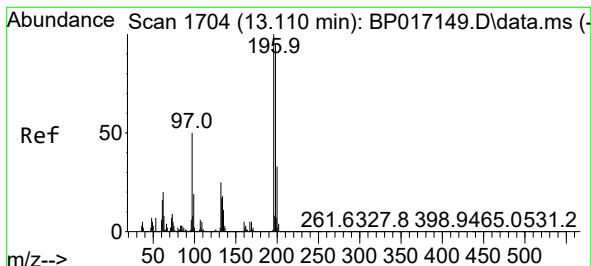


#37  
1-Methylnaphthalene  
Concen: 32.390 ng/ul  
RT: 12.657 min Scan# 1627  
Delta R.T. -0.006 min  
Lab File: BP017162.D  
Acq: 13 Sep 2023 22:37



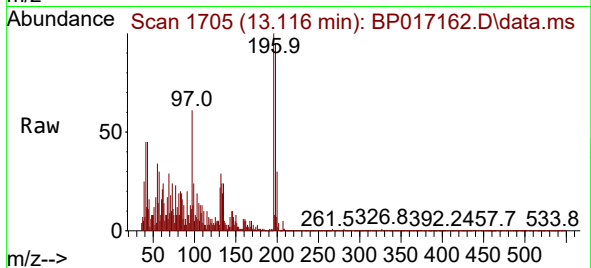
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Ion Ratio Lower Upper  
142 100  
141 92.1 74.1 111.1  
116 4.1 3.1 4.7





#42  
2,4,5-Trichlorophenol  
Concen: 3.923 ng/ul  
RT: 13.116 min Scan# 1704  
Delta R.T. 0.000 min  
Lab File: BP017162.D  
Acq: 13 Sep 2023 22:37

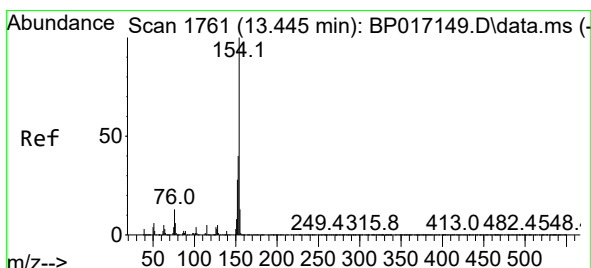
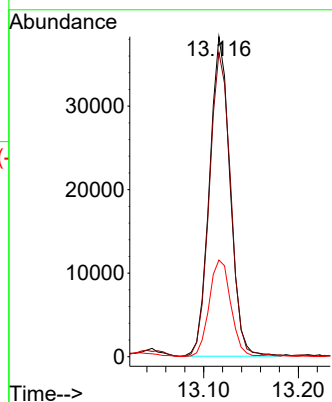
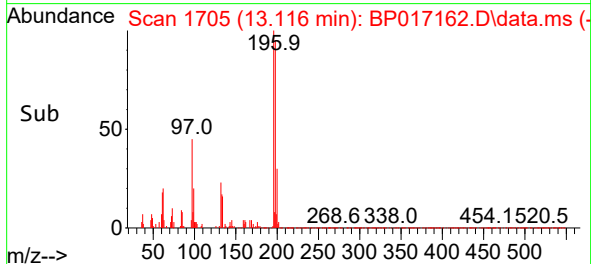
Instrument :  
BNA\_P  
ClientSampleId :  
BH9W1DL



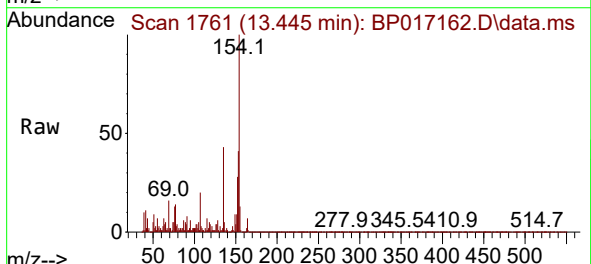
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Ion Ratio Lower Upper  
196 100  
198 95.1 76.9 115.3  
200 30.2 25.0 37.6

Manual Integrations  
APPROVED

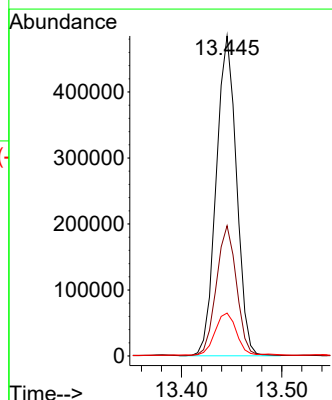
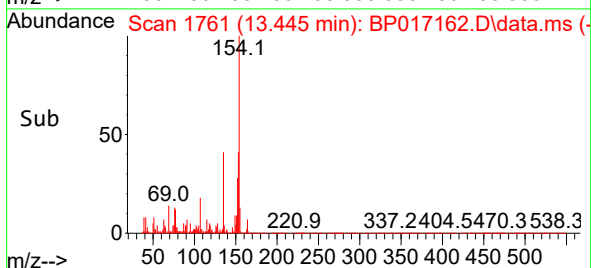
Reviewed By :Yogesh Patel 09/14/2023  
Supervised By :mohammad ahmed 09/15/2023

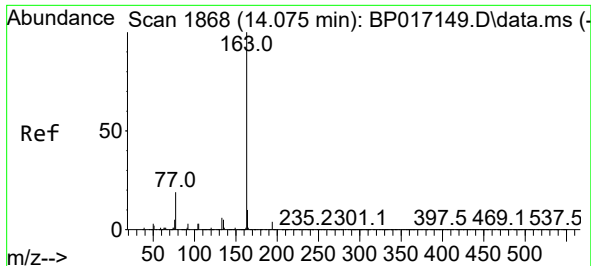


#43  
1,1'-Biphenyl  
Concen: 12.945 ng/ul  
RT: 13.445 min Scan# 1761  
Delta R.T. -0.006 min  
Lab File: BP017162.D  
Acq: 13 Sep 2023 22:37



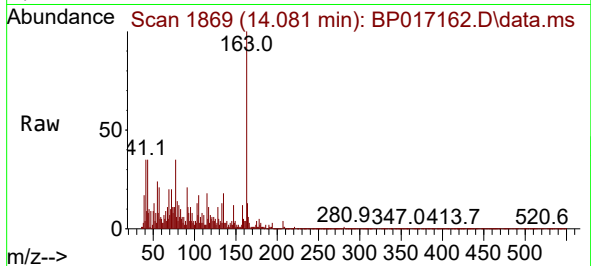
Tgt Ion:154 Resp: 679757  
Ion Ratio Lower Upper  
154 100  
153 40.7 31.8 47.8  
76 13.4 10.8 16.2





#47  
Dimethylphthalate  
Concen: 1.840 ng/ul  
RT: 14.081 min Scan# 1868  
Delta R.T. 0.000 min  
Lab File: BP017162.D  
Acq: 13 Sep 2023 22:37

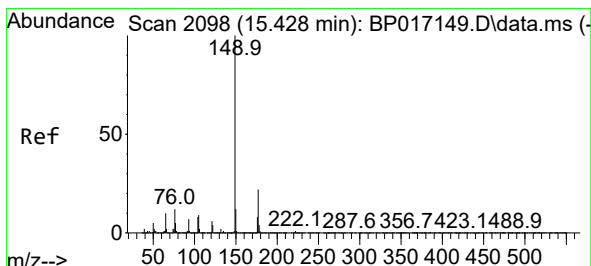
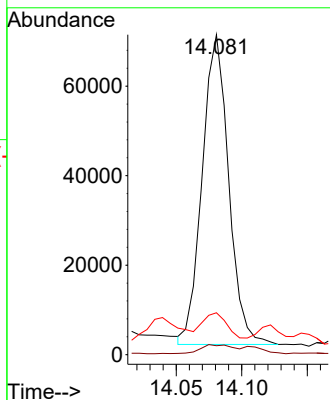
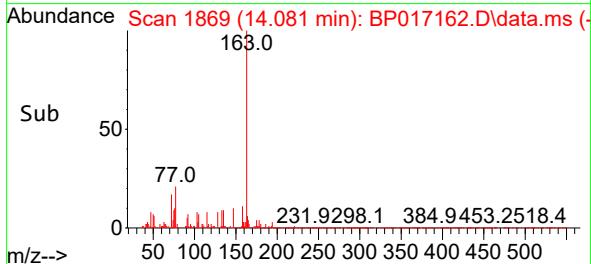
Instrument :  
BNA\_P  
ClientSampleId :  
BH9W1DL



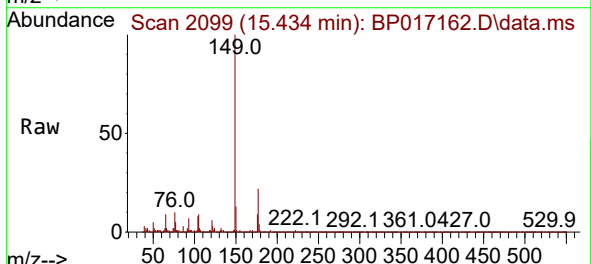
Tgt Ion:163 Resp: 97332  
Ion Ratio Lower Upper  
163 100  
194 2.8 3.3 4.9  
164 13.1 7.9 11.9

Manual Integrations  
APPROVED

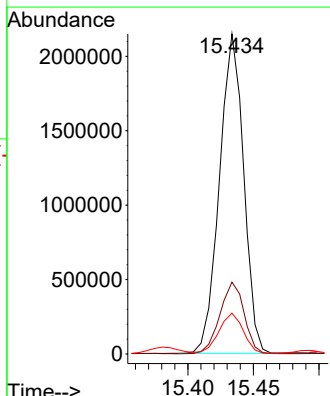
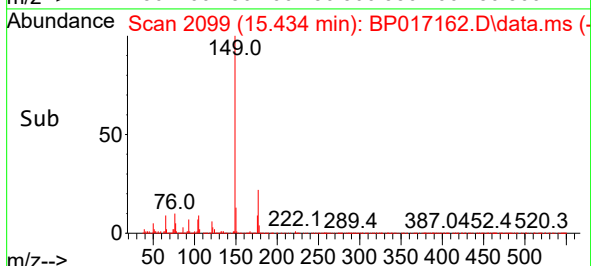
Reviewed By :Yogesh Patel 09/14/2023  
Supervised By :mohammad ahmed 09/15/2023

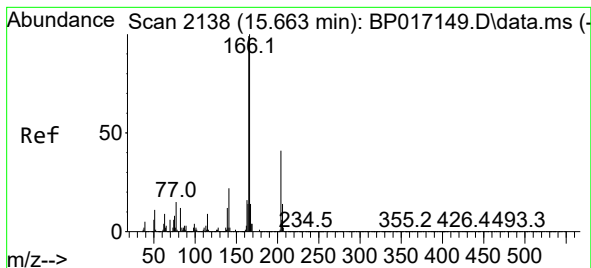


#59  
Diethylphthalate  
Concen: 52.720 ng/ul  
RT: 15.434 min Scan# 2099  
Delta R.T. 0.000 min  
Lab File: BP017162.D  
Acq: 13 Sep 2023 22:37



Tgt Ion:149 Resp: 2753612  
Ion Ratio Lower Upper  
149 100  
177 22.5 17.5 26.3  
150 12.7 10.0 15.0





#61

Fluorene

Concen: 2.036 ng/ul

RT: 15.669 min Scan# 2138

Delta R.T. 0.000 min

Lab File: BP017162.D

Acq: 13 Sep 2023 22:37

Instrument :

BNA\_P

ClientSampleId :

BH9W1DL

Tgt Ion:166 Resp: 10513

Ion Ratio Lower Upper

166 100

165 99.2 78.2 117.2

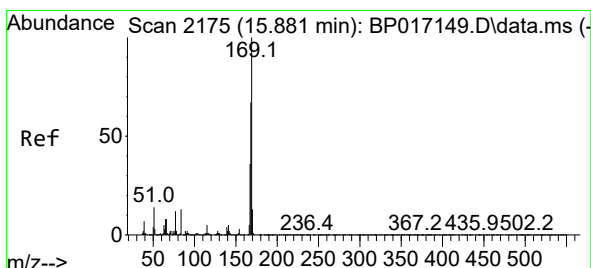
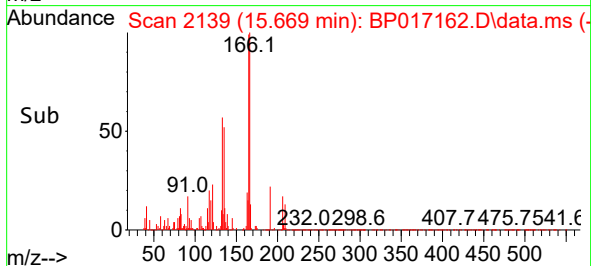
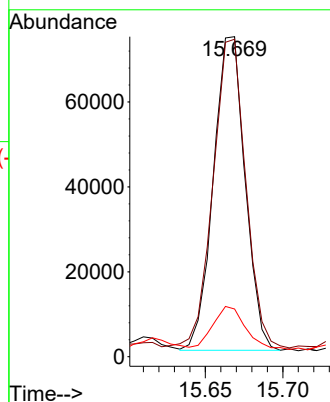
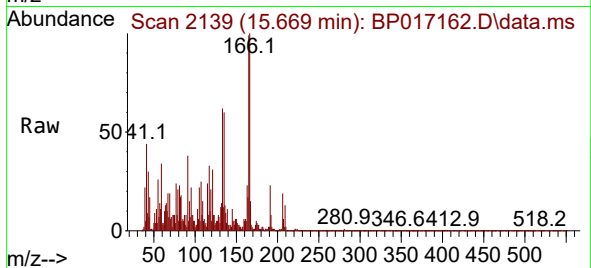
167 14.9 11.0 16.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/14/2023

Supervised By :mohammad ahmed 09/15/2023



#67

N-Nitrosodiphenylamine

Concen: 1.865 ng/ul

RT: 15.881 min Scan# 2175

Delta R.T. -0.006 min

Lab File: BP017162.D

Acq: 13 Sep 2023 22:37

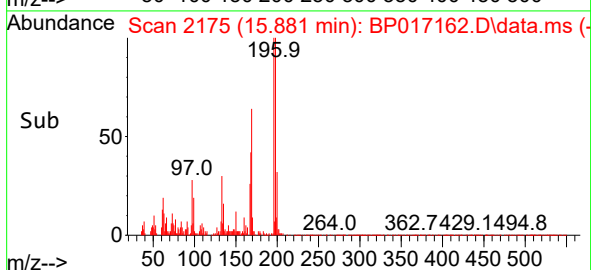
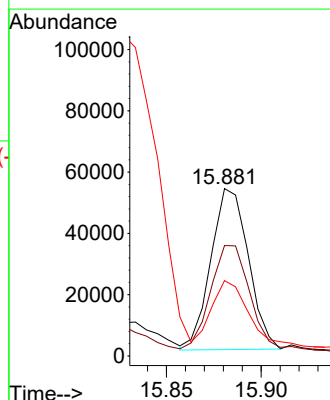
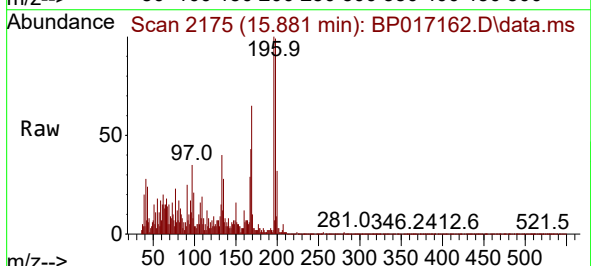
Tgt Ion:169 Resp: 72430

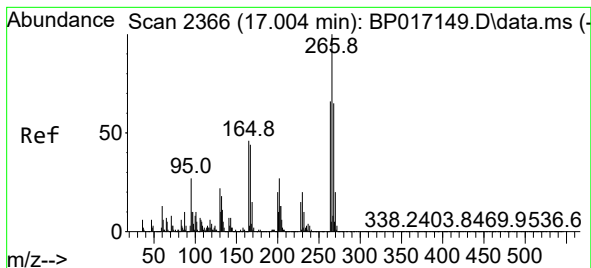
Ion Ratio Lower Upper

169 100

168 65.9 52.7 79.1

167 45.0 29.0 43.4#





#71

Pentachlorophenol

Concen: 14.904 ng/ul

RT: 17.016 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP017162.D

Acq: 13 Sep 2023 22:37

Instrument :

BNA\_P

ClientSampleId :

BH9W1DL

Tgt Ion:266 Resp: 163210

Ion Ratio Lower Upper

266 100

264 64.5 50.7 76.1

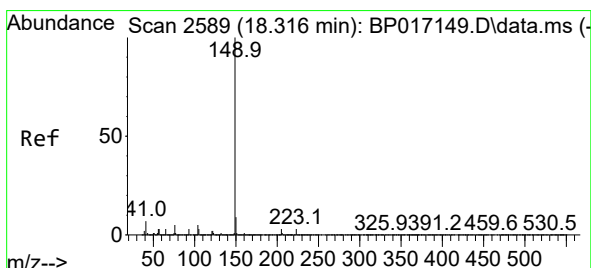
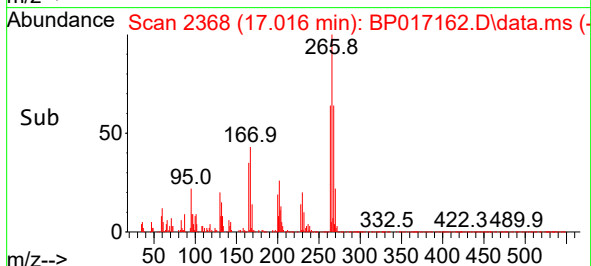
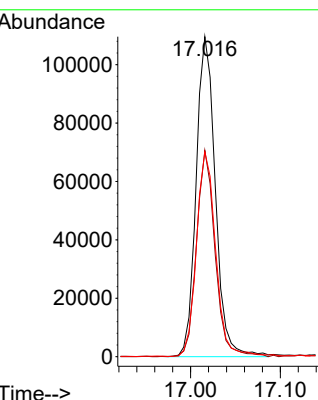
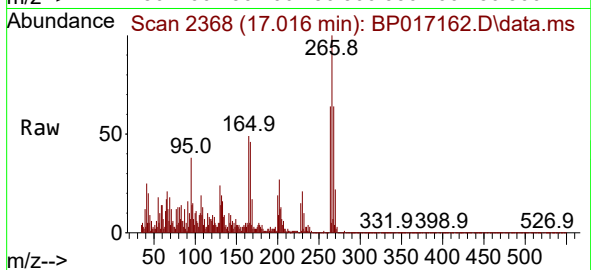
268 64.0 51.1 76.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/14/2023

Supervised By :mohammad ahmed 09/15/2023



#78

Di-n-butylphthalate

Concen: 7.646 ng/ul

RT: 18.316 min Scan# 2589

Delta R.T. -0.006 min

Lab File: BP017162.D

Acq: 13 Sep 2023 22:37

Tgt Ion:149 Resp: 581527

Ion Ratio Lower Upper

149 100

150 10.1 7.2 10.8

104 6.1 4.2 6.4

