

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032020\  
 Data File : BF119480.D  
 Acq On : 20 Mar 2020 19:13  
 Operator : CG/JU  
 Sample : L1749-03MSD  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 BU-02-031920MSD

Manual Integrations  
 APPROVED

mohammad  
 3/23/2020 9:40:51 AM

Quant Time: Mar 23 04:46:42 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 18 15:11:18 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.85  | 152  | 303648   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.14  | 136  | 1158248  | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.90  | 164  | 577279   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.39 | 188  | 963552   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 14.03 | 240  | 591953   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.50 | 264  | 690818   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.48  | 112 | 2030442 | 106.45 | ng | 0.02 |
| 7) Phenol-d6             | 6.48  | 99  | 2396764 | 98.36  | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.42  | 82  | 1752842 | 82.25  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.69 | 330 | 705880  | 118.52 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 9.22  | 172 | 3035700 | 77.91  | ng | 0.00 |
| 79) Terphenyl-d14        | 12.97 | 244 | 2763271 | 91.46  | ng | 0.00 |

## Target Compounds

|                                |      |     |         |        |    | Qvalue |
|--------------------------------|------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.76 | 88  | 335350  | 35.597 | ng | # 83   |
| 3) Pyridine                    | 3.47 | 79  | 504621  | 19.443 | ng | 98     |
| 4) n-Nitrosodimethylamine      | 3.40 | 42  | 483783  | 38.224 | ng | 97     |
| 6) Aniline                     | 6.52 | 93  | 317201  | 9.432  | ng | 98     |
| 8) 2-Chlorophenol              | 6.64 | 128 | 916338  | 45.740 | ng | 99     |
| 9) Benzaldehyde                | 6.40 | 77  | 617683  | 39.961 | ng | 99     |
| 10) Phenol                     | 6.49 | 94  | 943648m | 36.295 | ng |        |
| 11) bis(2-Chloroethyl)ether    | 6.59 | 93  | 892003  | 42.897 | ng | 96     |
| 12) 1,3-Dichlorobenzene        | 6.80 | 146 | 859044  | 39.619 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 6.87 | 146 | 879290  | 40.543 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 7.03 | 146 | 819213  | 40.412 | ng | 99     |
| 15) Benzyl Alcohol             | 6.99 | 79  | 793366  | 43.285 | ng | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.13 | 45  | 1660418 | 39.587 | ng | 98     |
| 17) 2-Methylphenol             | 7.10 | 107 | 722905  | 39.384 | ng | 98     |
| 18) Hexachloroethane           | 7.37 | 117 | 322608  | 40.590 | ng | 99     |
| 19) n-Nitroso-di-n-propylamine | 7.27 | 70  | 641212  | 43.659 | ng | 99     |
| 20) 3+4-Methylphenols          | 7.26 | 107 | 854575  | 37.989 | ng | # 84   |
| 22) Acetophenone               | 7.26 | 105 | 1192970 | 43.105 | ng | # 92   |
| 24) Nitrobenzene               | 7.44 | 77  | 957478  | 42.040 | ng | 95     |
| 25) Isophorone                 | 7.67 | 82  | 1757644 | 40.657 | ng | 100    |
| 26) 2-Nitrophenol              | 7.75 | 139 | 467628  | 52.146 | ng | 97     |
| 27) 2,4-Dimethylphenol         | 7.79 | 122 | 796089  | 42.932 | ng | 100    |
| 28) bis(2-Chloroethoxy)methane | 7.89 | 93  | 1098608 | 42.975 | ng | 98     |
| 29) 2,4-Dichlorophenol         | 7.99 | 162 | 724431  | 42.519 | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 8.08 | 180 | 771797  | 40.961 | ng | 98     |
| 31) Naphthalene                | 8.16 | 128 | 2462993 | 41.322 | ng | 99     |
| 32) Benzoic acid               | 7.90 | 122 | 484365  | 40.608 | ng | 99     |
| 33) 4-Chloroaniline            | 8.20 | 127 | 175697  | 6.433  | ng | 97     |
| 34) Hexachlorobutadiene        | 8.28 | 225 | 425000  | 40.314 | ng | 97     |
| 35) Caprolactam                | 8.57 | 113 | 164285m | 29.462 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 8.69 | 107 | 783038  | 42.050 | ng | 98     |
| 37) 2-Methylnaphthalene        | 8.86 | 142 | 1674357 | 42.803 | ng | 99     |
| 38) 1-Methylnaphthalene        | 8.96 | 142 | 1571815 | 42.452 | ng | 99     |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.02 | 216 | 732613  | 43.297 | ng | 100    |

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 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 BU-02-031920MSD

Manual Integrations  
 APPROVED

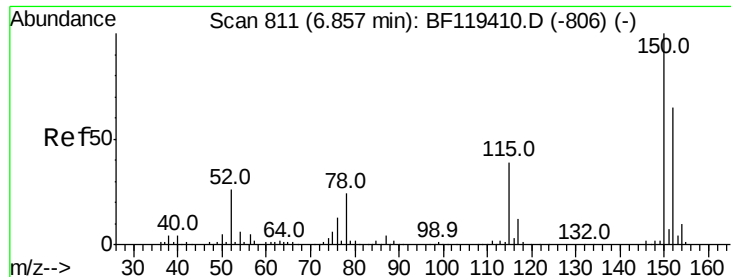
mohammad  
 3/23/2020 9:40:51 AM

Quant Time: Mar 23 04:46:42 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 18 15:11:18 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 9.01  | 237  | 463076   | 48.139 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol      | 9.13  | 196  | 529598   | 43.737 | ng    | 99       |
| 44) 2,4,5-Trichlorophenol      | 9.17  | 196  | 563835   | 41.567 | ng    | 96       |
| 46) 1,1'-Biphenyl              | 9.32  | 154  | 1965340  | 41.801 | ng    | 99       |
| 47) 2-Chloronaphthalene        | 9.35  | 162  | 1530886  | 41.568 | ng    | 99       |
| 48) 2-Nitroaniline             | 9.44  | 65   | 574616   | 45.203 | ng    | 93       |
| 49) Acenaphthylene             | 9.76  | 152  | 2429309  | 42.005 | ng    | 99       |
| 50) Dimethylphthalate          | 9.62  | 163  | 2090011  | 50.970 | ng    | 98       |
| 51) 2,6-Dinitrotoluene         | 9.68  | 165  | 407081   | 46.317 | ng    | 92       |
| 52) Acenaphthene               | 9.93  | 154  | 1492419  | 41.393 | ng    | 99       |
| 53) 3-Nitroaniline             | 9.84  | 138  | 97462    | 8.784  | ng    | 98       |
| 54) 2,4-Dinitrophenol          | 9.95  | 184  | 153456   | 43.956 | ng    | 94       |
| 55) Dibenzofuran               | 10.10 | 168  | 2166222  | 41.905 | ng    | 99       |
| 56) 4-Nitrophenol              | 10.01 | 139  | 636224   | 72.684 | ng    | 97       |
| 57) 2,4-Dinitrotoluene         | 10.09 | 165  | 533272   | 48.165 | ng    | 98       |
| 58) Fluorene                   | 10.45 | 166  | 1590045  | 41.595 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.22 | 232  | 444707   | 43.860 | ng    | 99       |
| 60) Diethylphthalate           | 10.32 | 149  | 1823181  | 43.809 | ng    | 100      |
| 61) 4-Chlorophenyl-phenylether | 10.44 | 204  | 790427   | 42.284 | ng    | 99       |
| 62) 4-Nitroaniline             | 10.46 | 138  | 310963   | 29.225 | ng    | 93       |
| 63) Azobenzene                 | 10.60 | 77   | 1713662  | 40.890 | ng    | 93       |
| 65) 4,6-Dinitro-2-methylphenol | 10.49 | 198  | 117896   | 29.179 | ng    | 94       |
| 66) n-Nitrosodiphenylamine     | 10.56 | 169  | 1491826  | 47.162 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether  | 10.93 | 248  | 498391   | 45.417 | ng    | 95       |
| 68) Hexachlorobenzene          | 11.00 | 284  | 513849   | 45.752 | ng    | 98       |
| 69) Atrazine                   | 11.09 | 200  | 433424   | 49.980 | ng    | 99       |
| 70) Pentachlorophenol          | 11.19 | 266  | 558025   | 84.735 | ng    | 98       |
| 71) Phenanthrene               | 11.42 | 178  | 2160855  | 43.249 | ng    | 99       |
| 72) Anthracene                 | 11.46 | 178  | 2209820  | 43.518 | ng    | 100      |
| 73) Carbazole                  | 11.62 | 167  | 2018796  | 40.166 | ng    | 99       |
| 74) Di-n-butylphthalate        | 11.95 | 149  | 2616801  | 48.670 | ng    | 98       |
| 75) Fluoranthene               | 12.60 | 202  | 2026613  | 37.480 | ng    | 98       |
| 77) Benzidine                  | 12.72 | 184  | 876847   | 35.002 | ng    | 98       |
| 78) Pyrene                     | 12.83 | 202  | 2017428  | 41.527 | ng    | 99       |
| 80) Butylbenzylphthalate       | 13.45 | 149  | 943064   | 47.996 | ng    | 96       |
| 81) Benzo(a)anthracene         | 14.02 | 228  | 1664489  | 43.240 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine     | 13.98 | 252  | 547672   | 36.084 | ng    | 98       |
| 83) Chrysene                   | 14.06 | 228  | 1689108  | 42.518 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 14.02 | 149  | 1207502  | 51.552 | ng    | 99       |
| 85) Di-n-octyl phthalate       | 14.63 | 149  | 2151587  | 52.230 | ng    | 98       |
| 86) Indeno(1,2,3-cd)pyrene     | 16.99 | 276  | 1937754  | 51.791 | ng    | 98       |
| 88) Benzo(b)fluoranthene       | 15.07 | 252  | 1847860  | 40.043 | ng    | 99       |
| 89) Benzo(k)fluoranthene       | 15.10 | 252  | 1852608  | 42.161 | ng    | 100      |
| 90) Benzo(a)pyrene             | 15.44 | 252  | 1764477  | 42.074 | ng    | 97       |
| 91) Dibenzo(a,h)anthracene     | 17.00 | 278  | 1653684  | 45.083 | ng    | 97       |
| 92) Benzo(g,h,i)perylene       | 17.43 | 276  | 1544791  | 41.920 | ng    | 97       |

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





#1

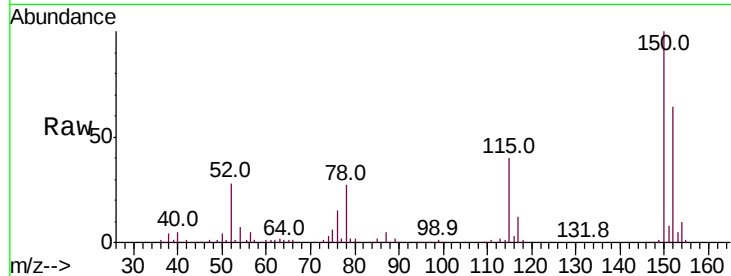
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.85 min Scan# 810  
Delta R.T. -0.01 min  
Lab File: BF119480.D  
Acq: 20 Mar 2020 19:13

Instrument :  
BNA\_F  
ClientSampleId :  
BU-02-031920MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.0 | 123.9 | 185.9 |
| 115     | 62.4  | 47.8  | 71.6  |

Manual Integrations  
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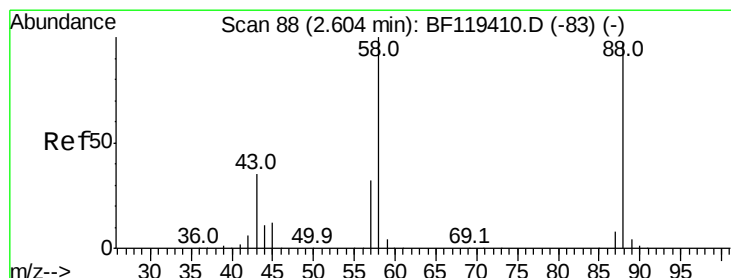
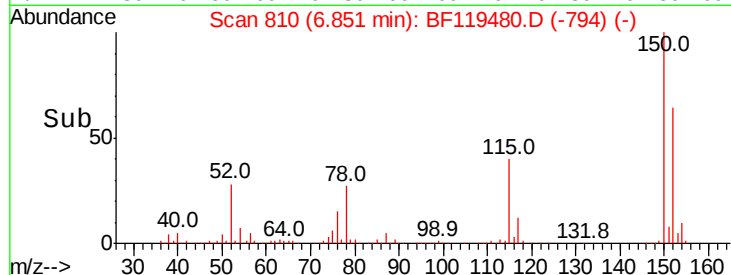
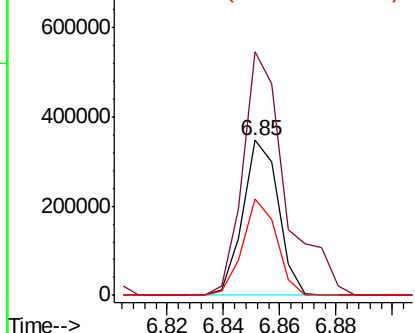


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane  
Concen: 35.597 ng  
RT: 2.76 min Scan# 114  
Delta R.T. 0.15 min  
Lab File: BF119480.D  
Acq: 20 Mar 2020 19:13

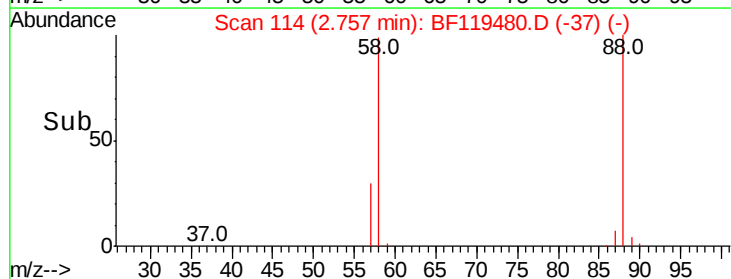
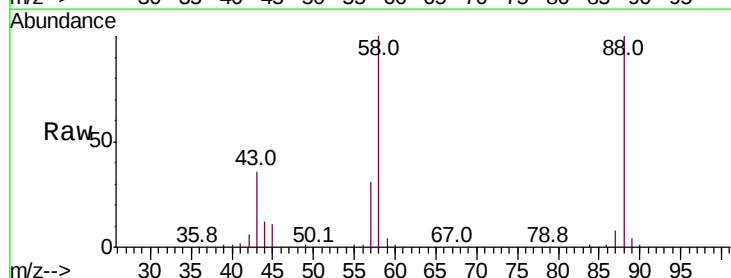
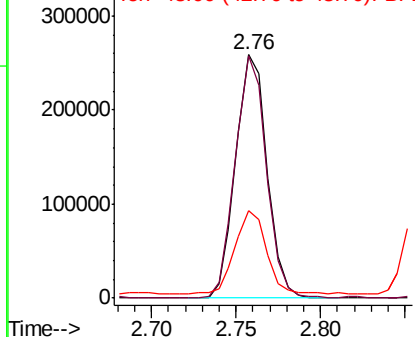
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 98.1  | 79.4  | 119.2 |
| 43      | 0.0   | 28.4  | 42.6# |

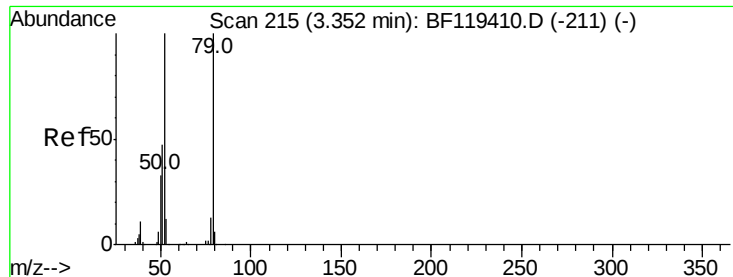
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





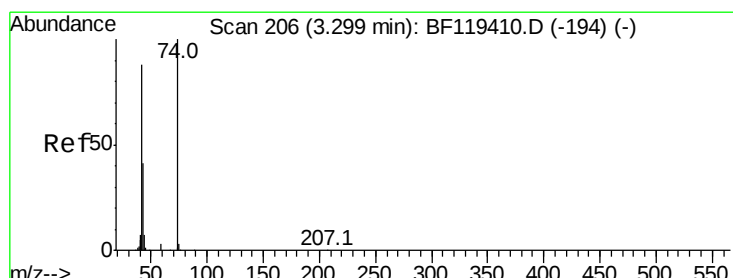
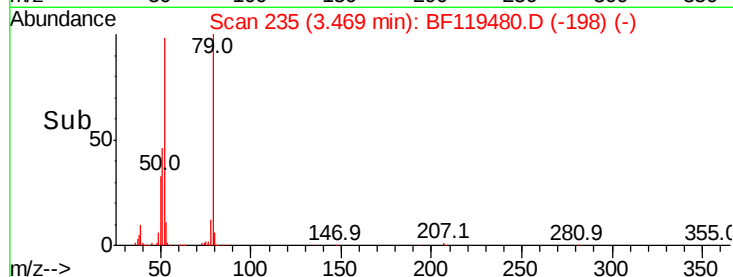
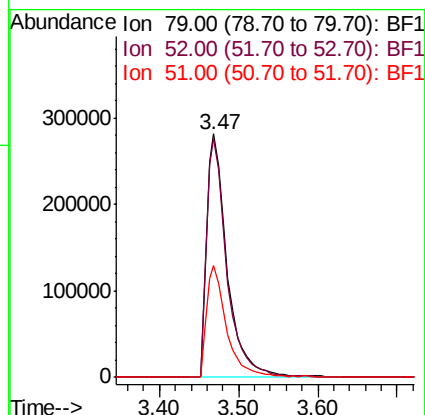
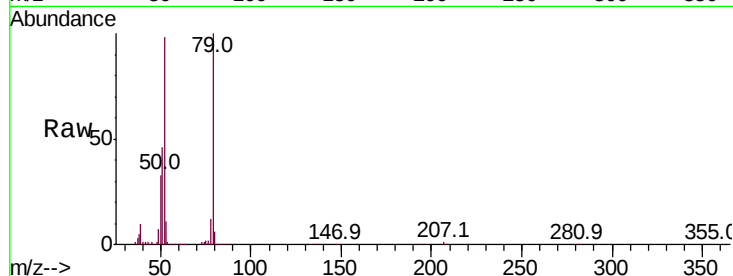
#3  
Pvridine  
Concen: 19.443 ng  
RT: 3.47 min Scan# 235  
Delta R.T. 0.12 min  
Lab File: BF119480.D  
Acq: 20 Mar 2020 19:13

Instrument :  
BNA\_F  
ClientSampleId :  
BU-02-031920MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 52      | 97.9  | 80.0  | 120.0 |
| 51      | 46.1  | 37.9  | 56.9  |

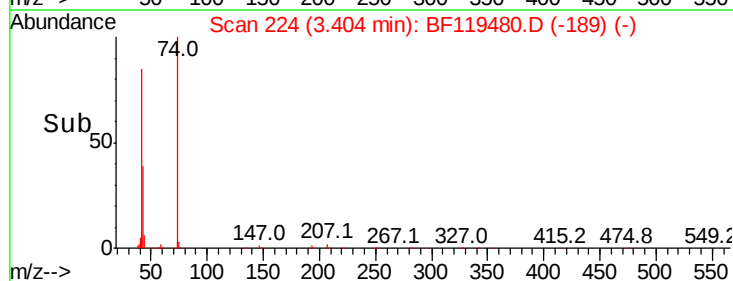
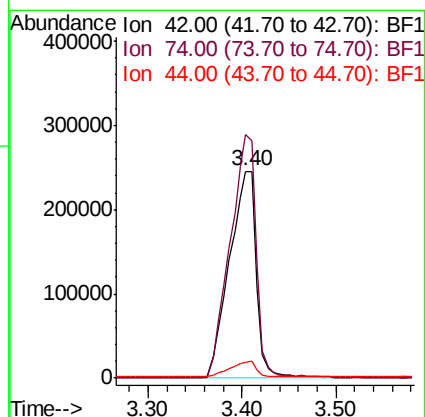
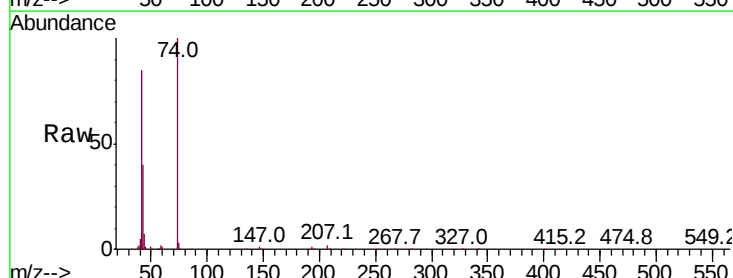
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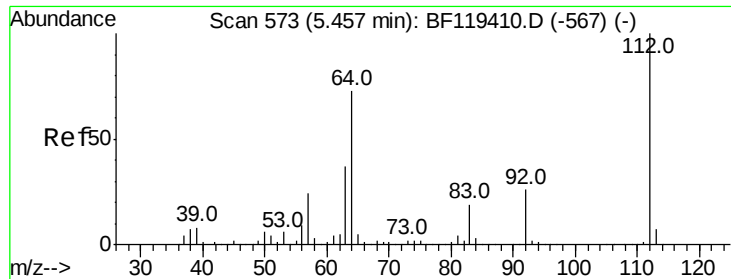
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3/23/2020 9:40:51 AM



#4  
n-Nitrosodimethylamine  
Concen: 38.224 ng  
RT: 3.40 min Scan# 224  
Delta R.T. 0.11 min  
Lab File: BF119480.D  
Acq: 20 Mar 2020 19:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 74      | 117.6 | 91.3  | 136.9 |
| 44      | 7.9   | 7.1   | 10.7  |





#5

2-Fluorophenol

Concen: 106.448 ng

RT: 5.48 min Scan# 577

Delta R.T. 0.02 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

Instrument :

BNA\_F

ClientSampleId :

BU-02-031920MSD

Tot Ion: 112 Resp: 2030442

Ion Ratio Lower Upper

112 100

64 69.1 58.1 87.1

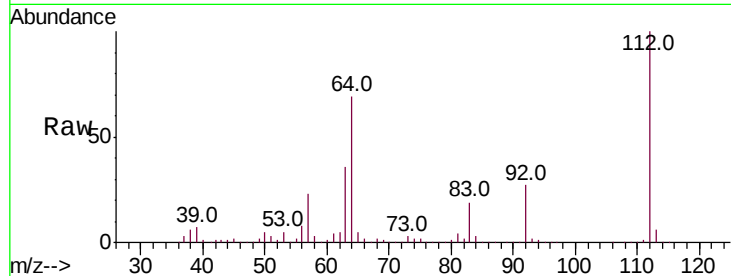
63 36.2 29.7 44.5

Manual Integrations

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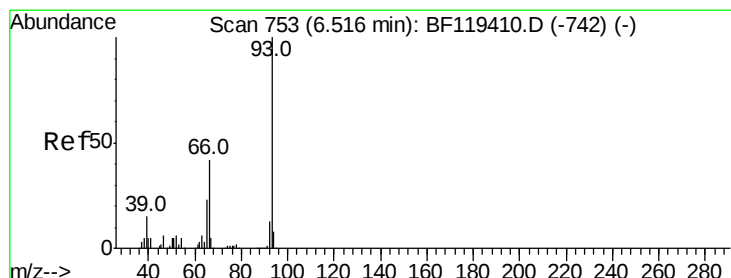
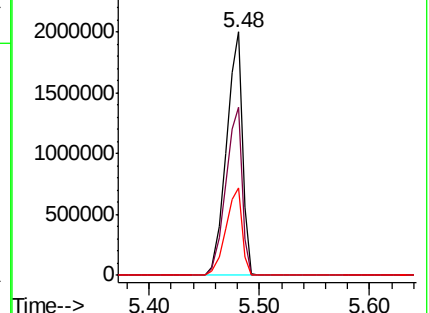
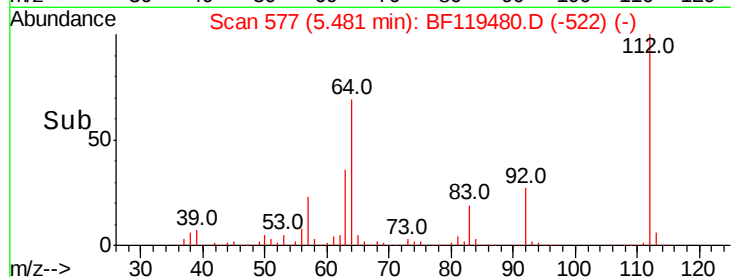
3/23/2020 9:40:51 AM



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 9.432 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.00 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

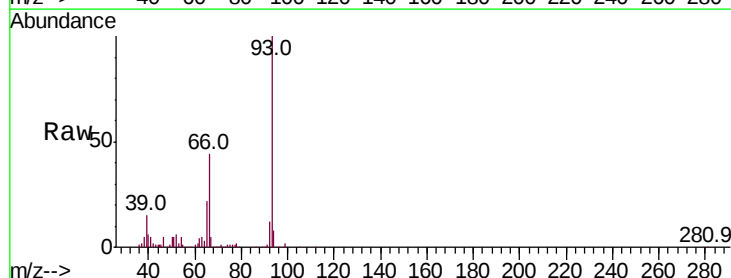
Tgt Ion: 93 Resp: 317201

Ion Ratio Lower Upper

93 100

66 44.4 34.2 51.4

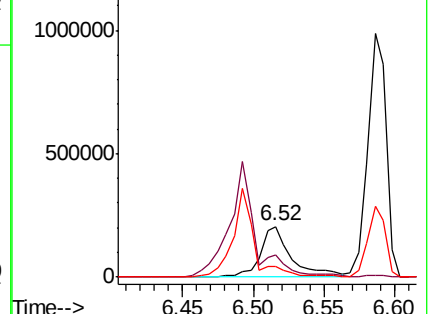
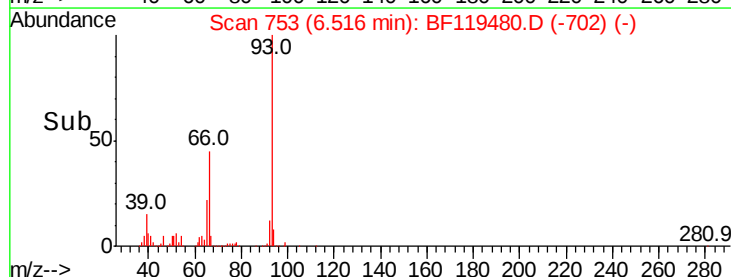
65 22.0 18.2 27.4

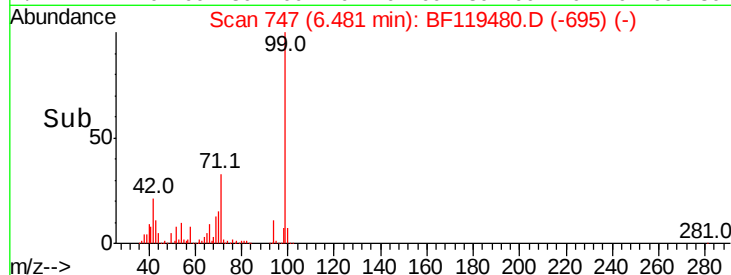
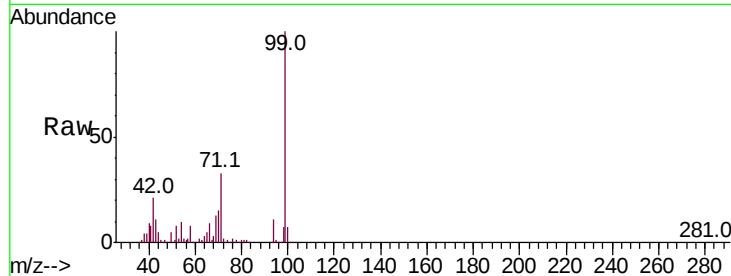
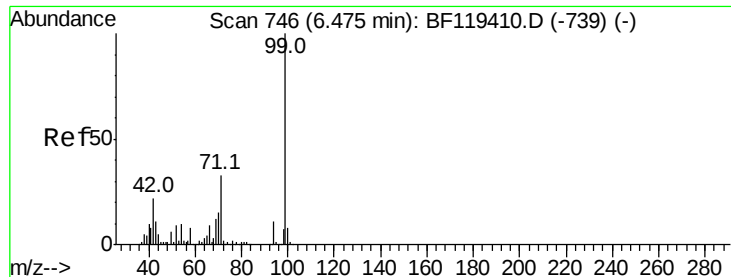


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 98.364 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.01 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

| Tot Ion | 99    | Resp  | 2396764 |
|---------|-------|-------|---------|
| Ion     | Ratio | Lower | Upper   |
| 99      | 100   |       |         |
| 42      | 21.3  | 17.8  | 26.6    |
| 71      | 33.5  | 26.0  | 39.0    |

Instrument :

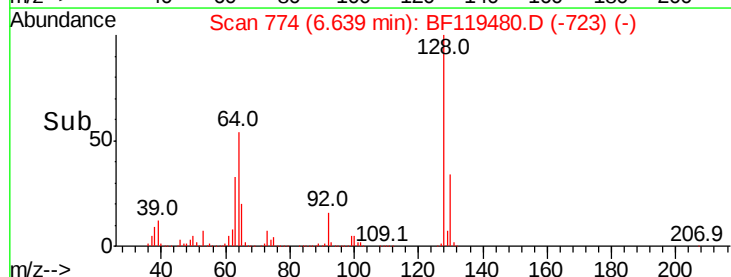
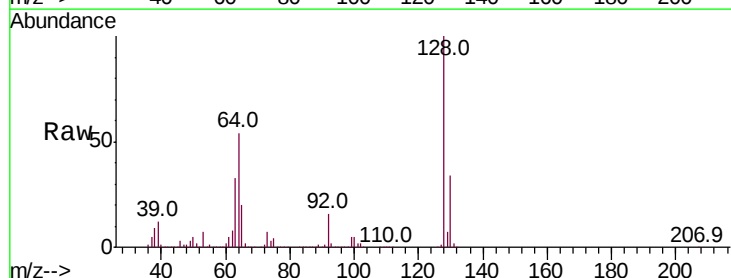
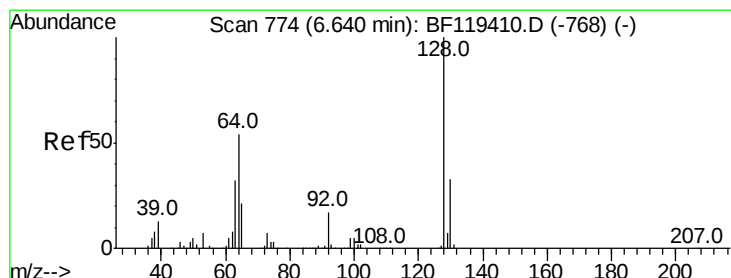
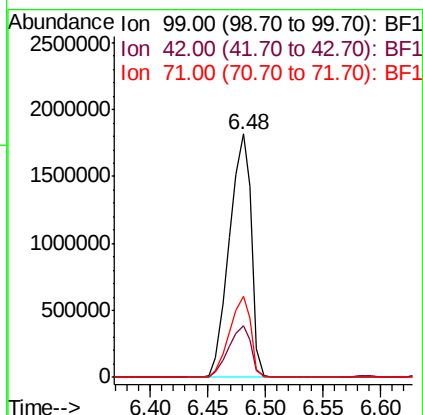
BNA\_F

ClientSampleId :

BU-02-031920MSD

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#8

2-Chlorophenol

Concen: 45.740 ng

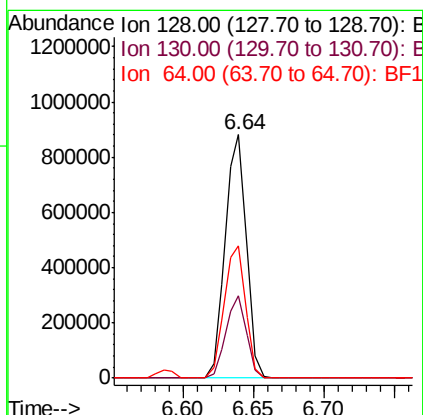
RT: 6.64 min Scan# 774

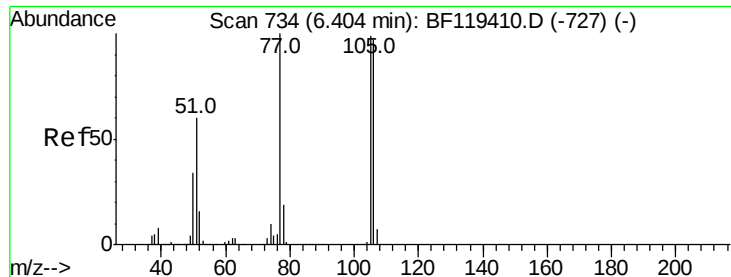
Delta R.T. -0.00 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

| Tgt Ion | 128   | Resp  | 916338 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 128     | 100   |       |        |
| 130     | 33.7  | 13.0  | 53.0   |
| 64      | 54.5  | 35.1  | 75.1   |





#9

Benzaldehyde

Concen: 39.961 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.00 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

Instrument :

BNA\_F

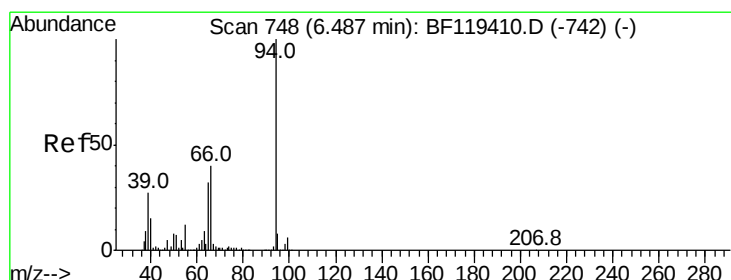
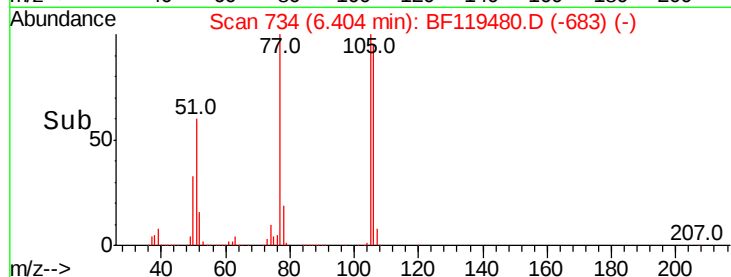
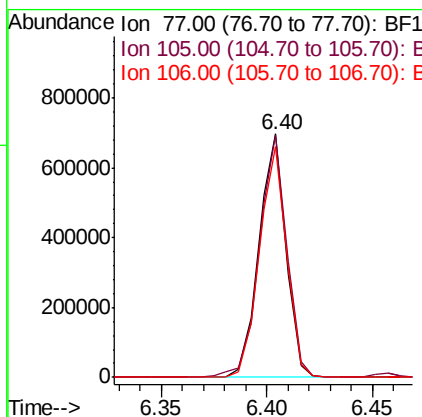
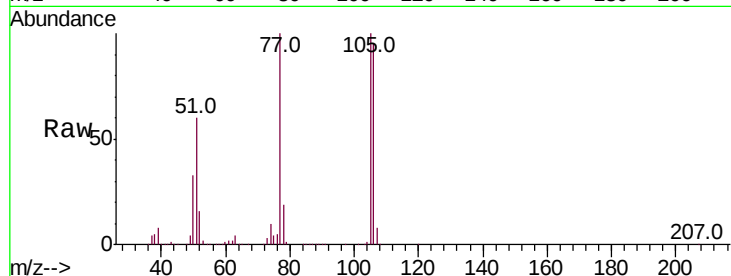
ClientSampleId :

BU-02-031920MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 77    | Resp: | 617683 |
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 105       | 99.7  | 78.6  | 118.6  |
| 106       | 95.0  | 76.5  | 116.5  |

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#10

Phenol

Concen: 36.295 ng m

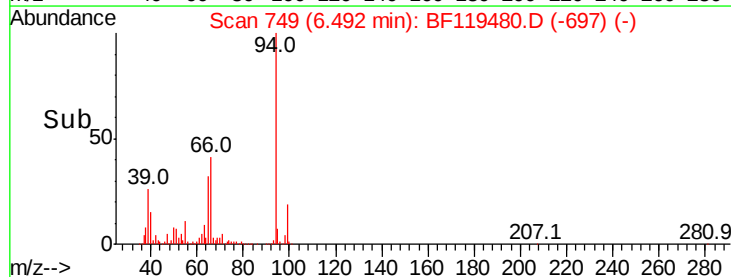
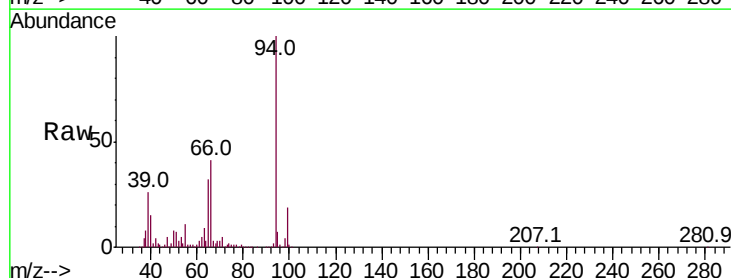
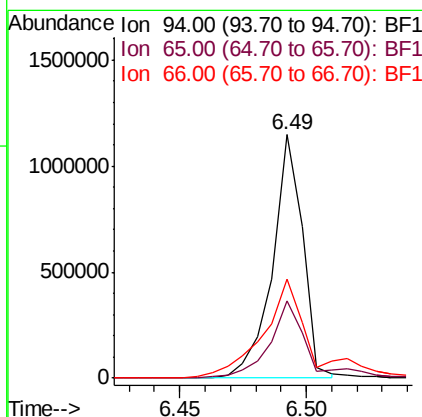
RT: 6.49 min Scan# 749

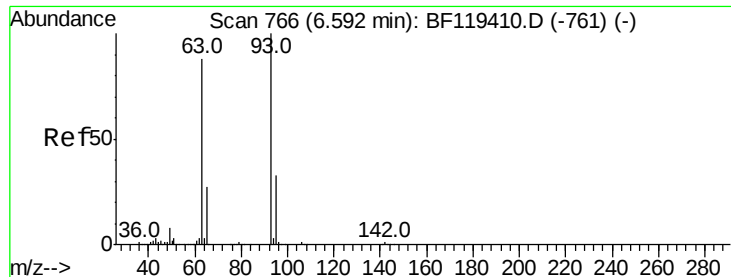
Delta R.T. 0.01 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 94    | Resp: | 943648 |
| Ion Ratio | Lower | Upper |        |
| 94        | 100   |       |        |
| 65        | 31.5  | 12.0  | 52.0   |
| 66        | 40.6  | 20.6  | 60.6   |





#11

bis(2-Chloroethyl)ether

Concen: 42.897 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.01 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

Instrument :

BNA\_F

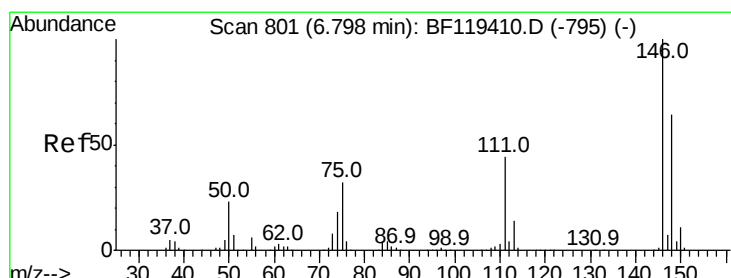
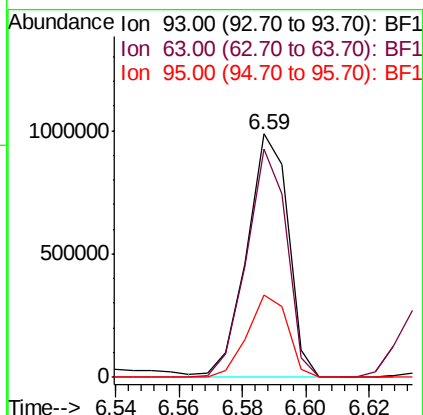
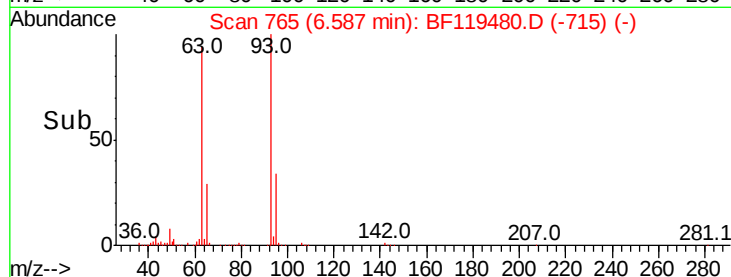
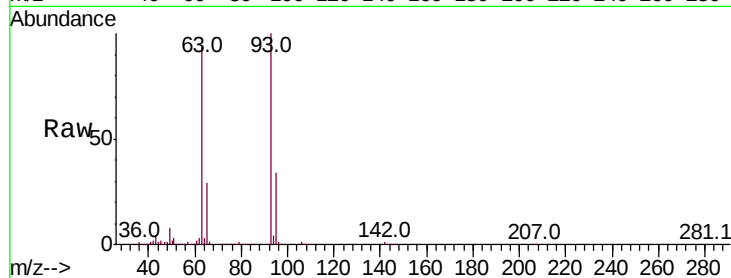
ClientSampleId :

BU-02-031920MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 93    | Resp: | 892003 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 63        | 93.7  | 68.4  | 108.4  |
| 95        | 33.6  | 13.4  | 53.4   |

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#12

1,3-Dichlorobenzene

Concen: 39.619 ng

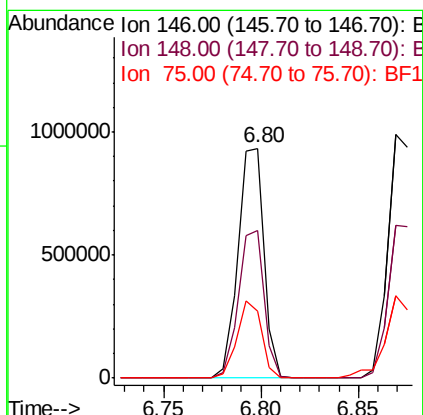
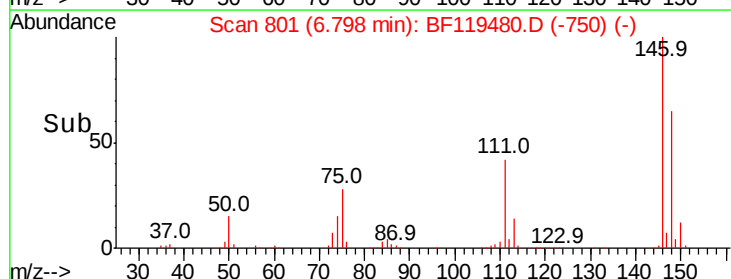
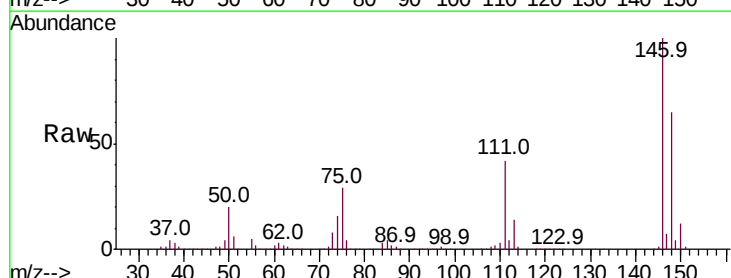
RT: 6.80 min Scan# 801

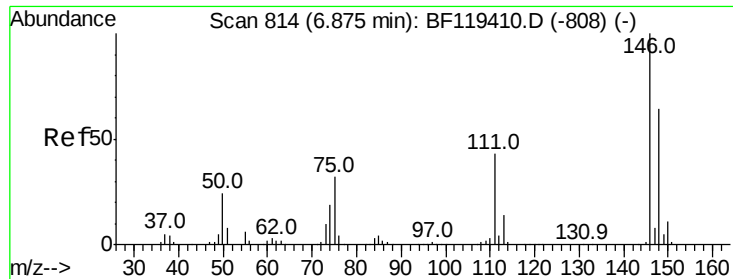
Delta R.T. -0.00 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 859044 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 64.5  | 51.4  | 77.0   |
| 75        | 29.1  | 25.8  | 38.8   |





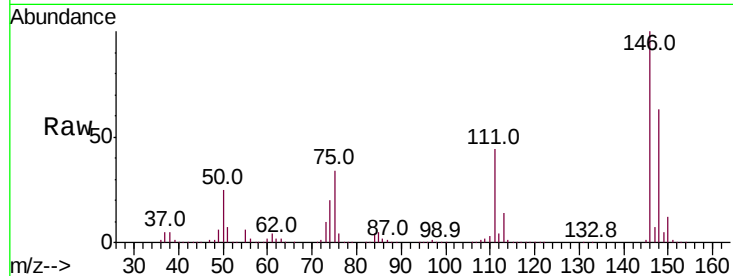
#13  
 1,4-Dichlorobenzene  
 Concen: 40.543 ng  
 RT: 6.87 min Scan# 813  
 Delta R.T. -0.01 min  
 Lab File: BF119480.D  
 Acq: 20 Mar 2020 19:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 BU-02-031920MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 62.8  | 50.9  | 76.3  |
| 111     | 43.5  | 34.6  | 52.0  |

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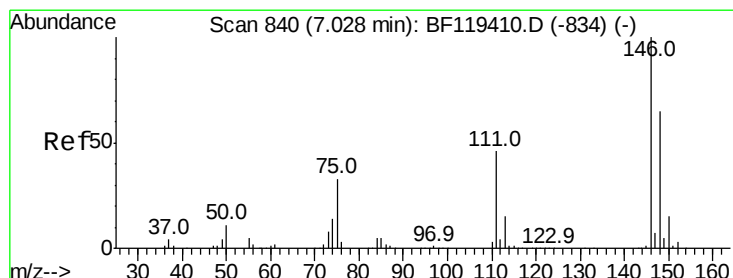
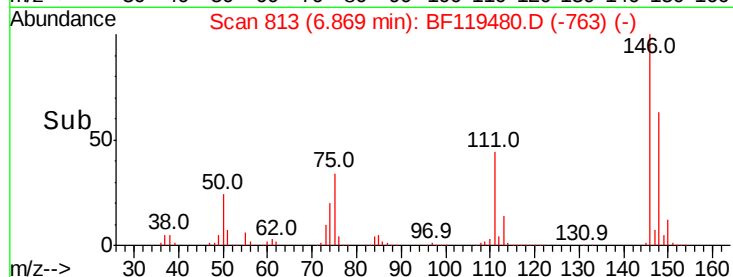
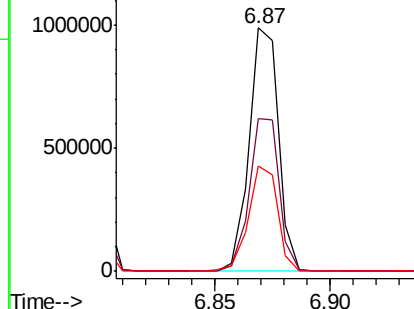


Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14  
 1,2-Dichlorobenzene  
 Concen: 40.412 ng  
 RT: 7.03 min Scan# 840  
 Delta R.T. -0.00 min  
 Lab File: BF119480.D  
 Acq: 20 Mar 2020 19:13

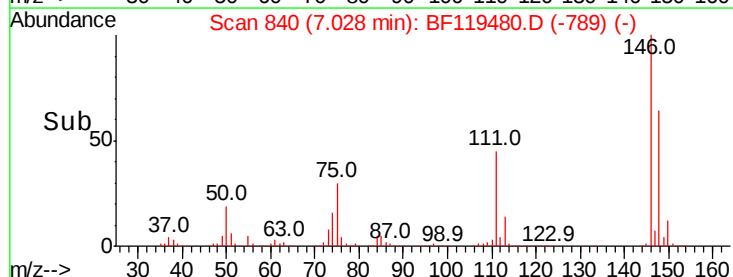
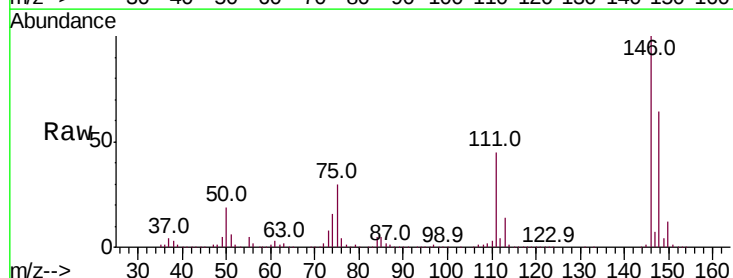
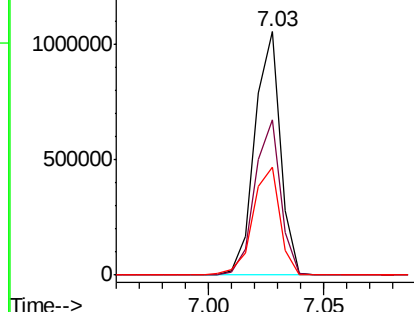
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.0  | 51.7  | 77.5  |
| 111     | 44.5  | 36.4  | 54.6  |

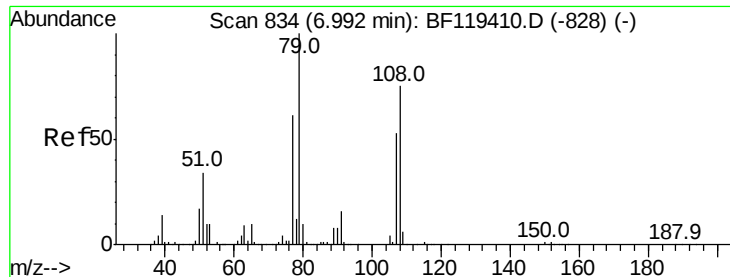
Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 43.285 ng

RT: 6.99 min Scan# 834

Delta R.T. -0.00 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

Instrument :

BNA\_F

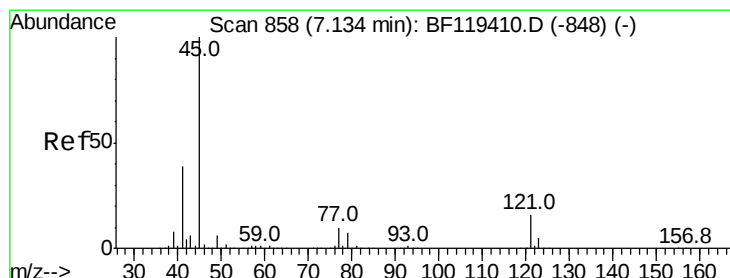
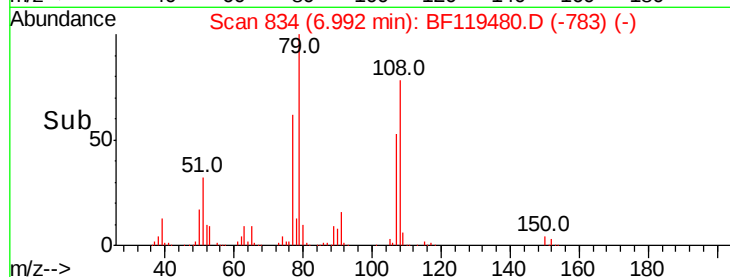
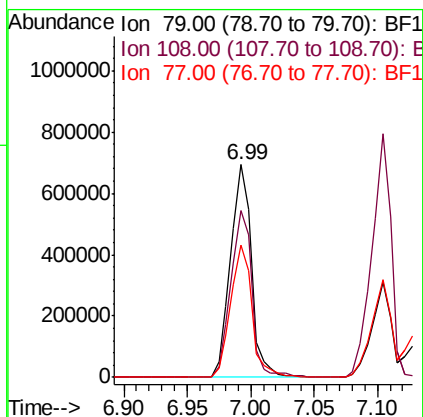
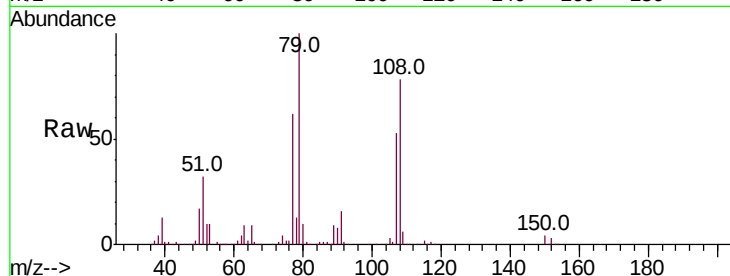
ClientSampleId :

BU-02-031920MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 79    | Resp: | 793366 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 108       | 78.4  | 60.4  | 90.6   |
| 77        | 62.2  | 49.0  | 73.4   |

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#16

2,2'-oxybis(1-chloropropane)

Concen: 39.587 ng

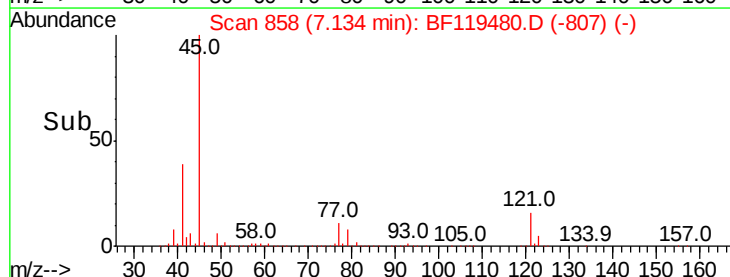
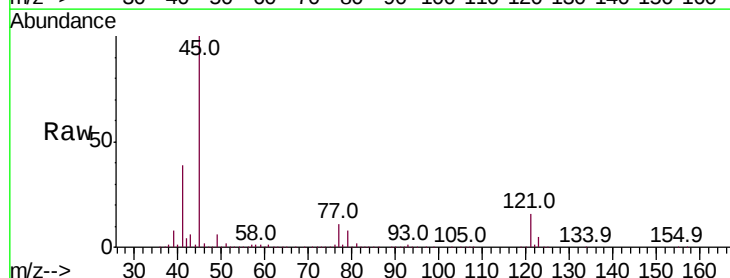
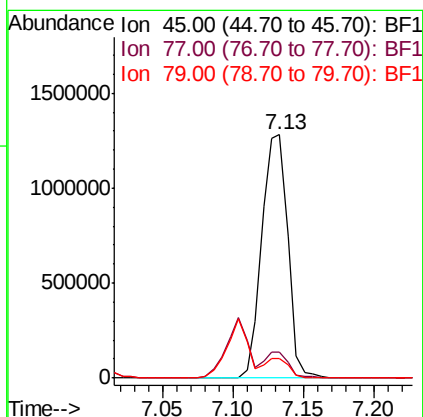
RT: 7.13 min Scan# 858

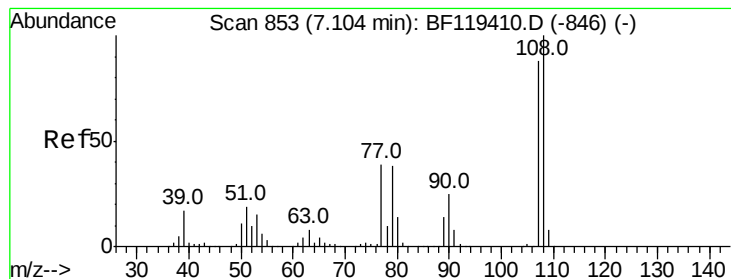
Delta R.T. -0.00 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 45    | Resp: | 1660418 |
| Ion Ratio | Lower | Upper |         |
| 45        | 100   |       |         |
| 77        | 10.9  | 0.0   | 30.1    |
| 79        | 8.3   | 0.0   | 27.4    |





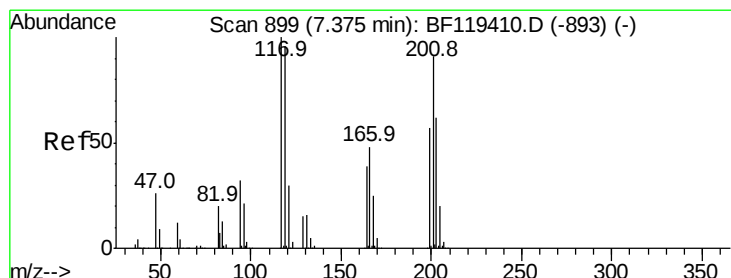
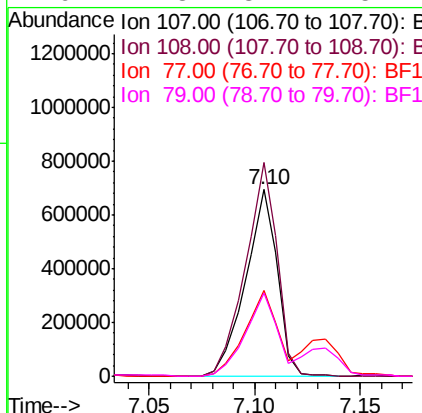
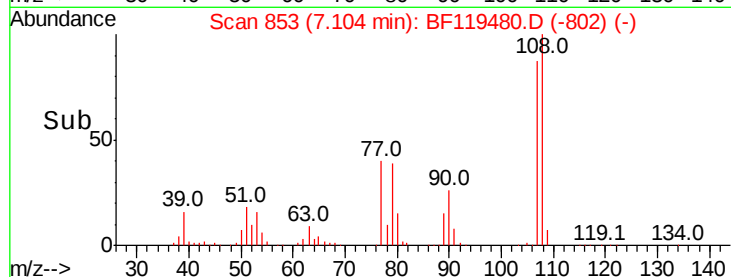
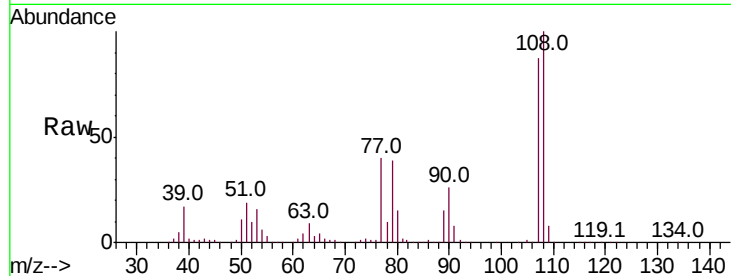
#17  
2-Methylphenol  
Concen: 39.384 ng  
RT: 7.10 min Scan# 853  
Delta R.T. -0.00 min  
Lab File: BF119480.D  
Acq: 20 Mar 2020 19:13

Instrument :  
BNA\_F  
ClientSampleId :  
BU-02-031920MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 107     | 100   | 722905 |       |       |
| 108     | 114.4 |        | 90.7  | 136.1 |
| 77      | 46.2  |        | 35.6  | 53.4  |
| 79      | 44.8  |        | 34.7  | 52.1  |

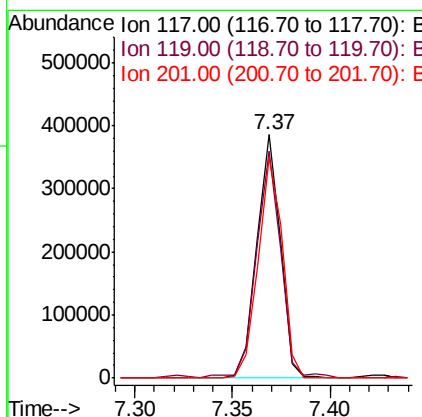
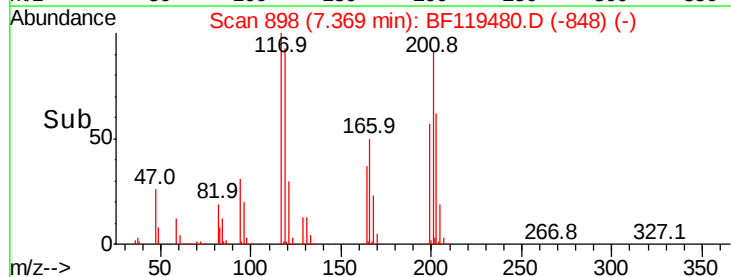
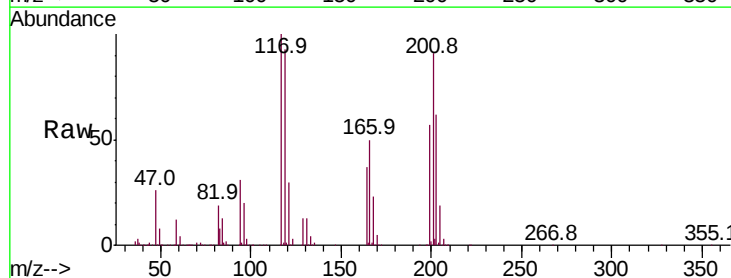
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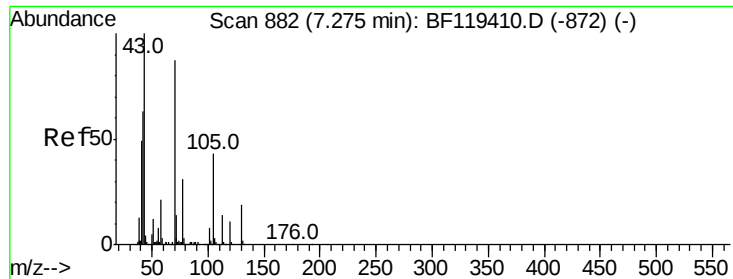
mohammad  
3/23/2020 9:40:51 AM



#18  
Hexachloroethane  
Concen: 40.590 ng  
RT: 7.37 min Scan# 898  
Delta R.T. -0.01 min  
Lab File: BF119480.D  
Acq: 20 Mar 2020 19:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 322608 |       |       |
| 119     | 93.3  |        | 76.8  | 115.2 |
| 201     | 90.6  |        | 72.5  | 108.7 |





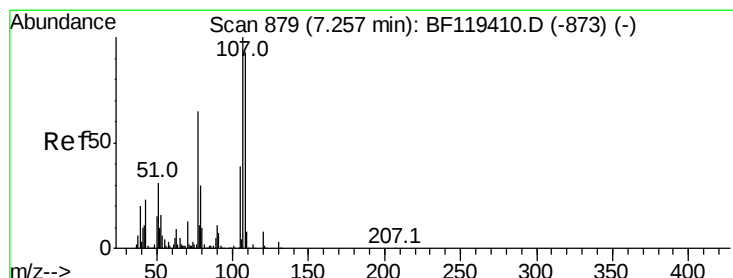
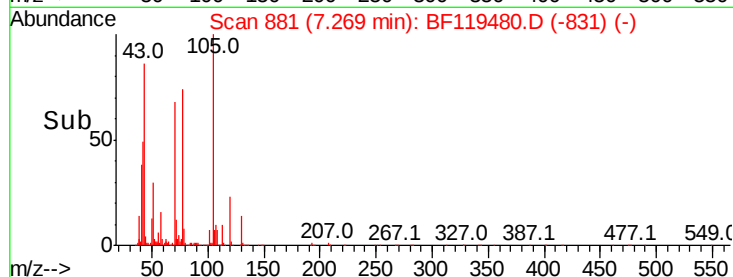
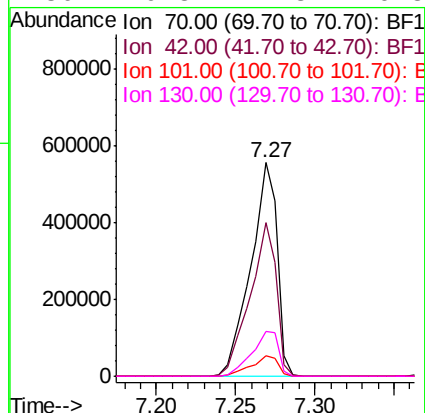
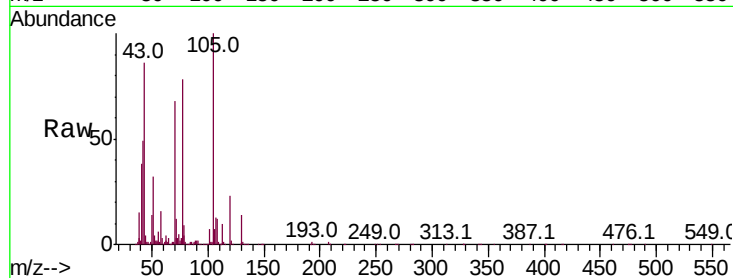
#19  
n-Nitroso-di-n-propylamine  
Concen: 43.659 ng  
RT: 7.27 min Scan# 881  
Delta R.T. -0.01 min  
Lab File: BF119480.D  
Acq: 20 Mar 2020 19:13

Instrument :  
BNA\_F  
ClientSampleId :  
BU-02-031920MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 72.2  | 58.2  | 87.4  |
| 101     | 9.8   | 7.4   | 11.2  |
| 130     | 20.8  | 17.8  | 26.8  |

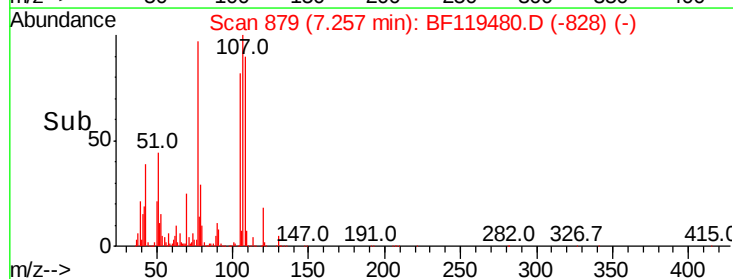
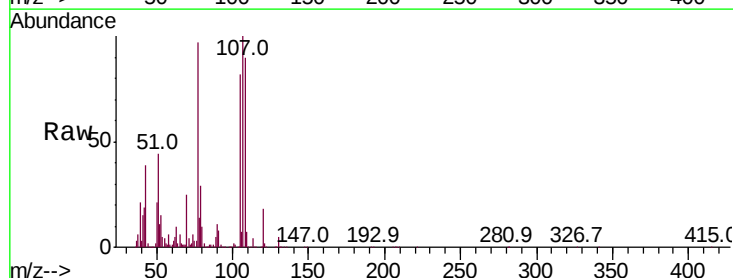
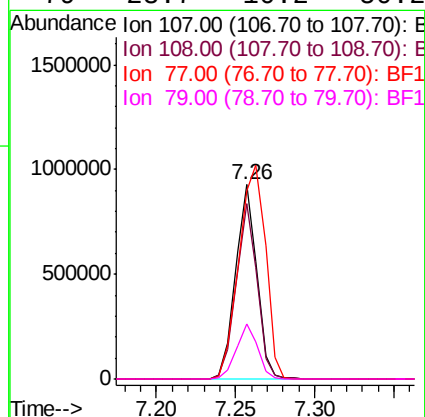
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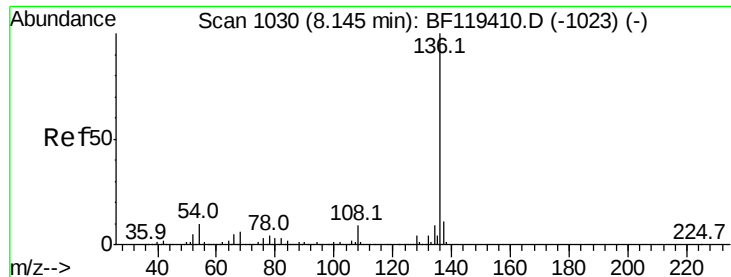
mohammad  
3/23/2020 9:40:51 AM



#20  
3+4-Methylphenols  
Concen: 37.989 ng  
RT: 7.26 min Scan# 879  
Delta R.T. -0.00 min  
Lab File: BF119480.D  
Acq: 20 Mar 2020 19:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 90.2  | 72.6  | 112.6 |
| 77      | 96.9  | 44.7  | 84.7# |
| 79      | 28.7  | 10.2  | 50.2  |





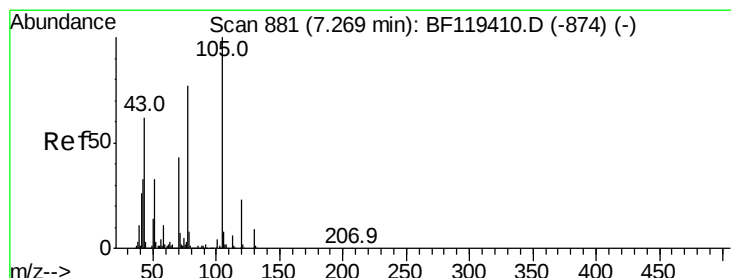
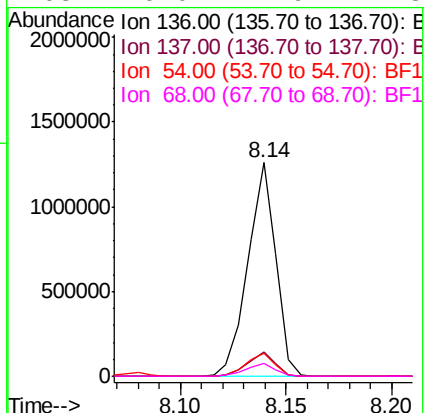
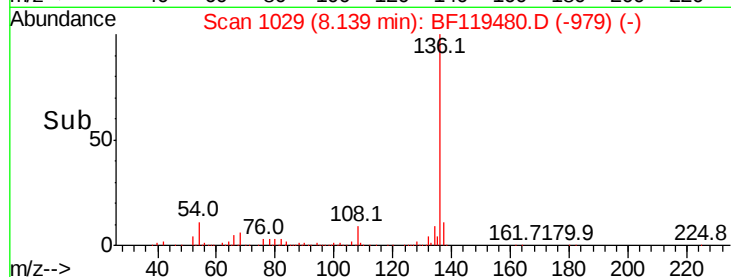
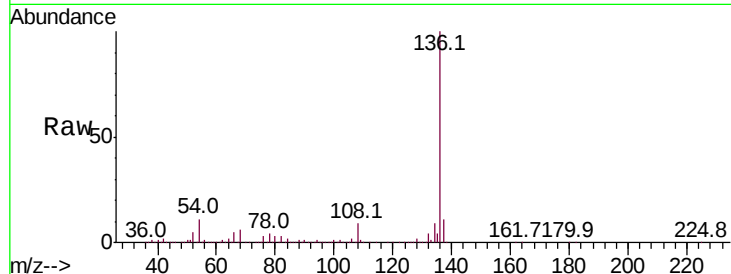
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.14 min Scan# 1029  
Delta R.T. -0.01 min  
Lab File: BF119480.D  
Acq: 20 Mar 2020 19:13

Instrument :  
BNA\_F  
ClientSampleId :  
BU-02-031920MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 11.3  | 8.4   | 12.6  |
| 54      | 10.6  | 8.3   | 12.5  |
| 68      | 6.0   | 4.9   | 7.3   |

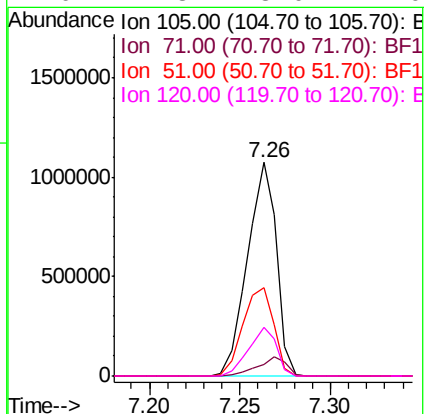
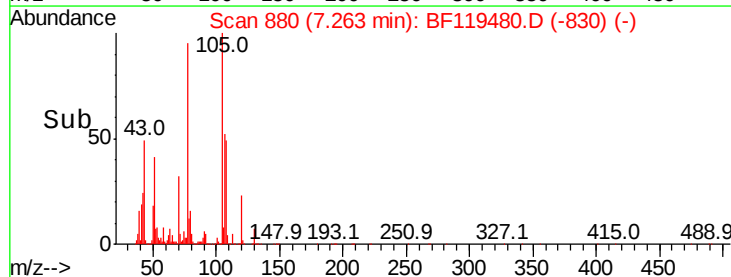
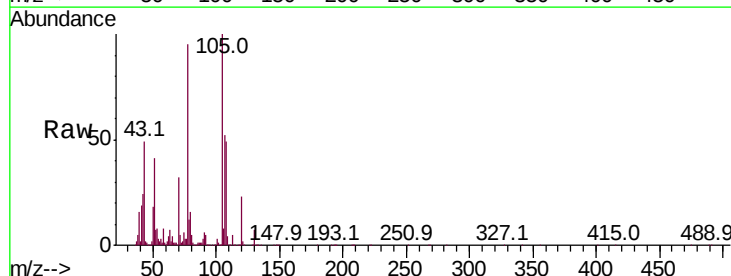
Manual Integrations  
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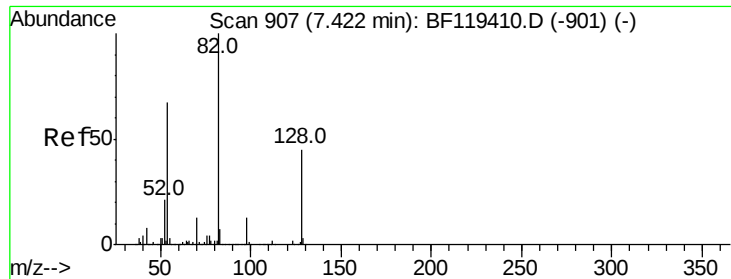
mohammad  
3/23/2020 9:40:51 AM



#22  
Acetophenone  
Concen: 43.105 ng  
RT: 7.26 min Scan# 880  
Delta R.T. -0.01 min  
Lab File: BF119480.D  
Acq: 20 Mar 2020 19:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 71      | 5.3   | 5.8   | 8.6#  |
| 51      | 41.2  | 26.8  | 40.2# |
| 120     | 22.8  | 18.0  | 27.0  |





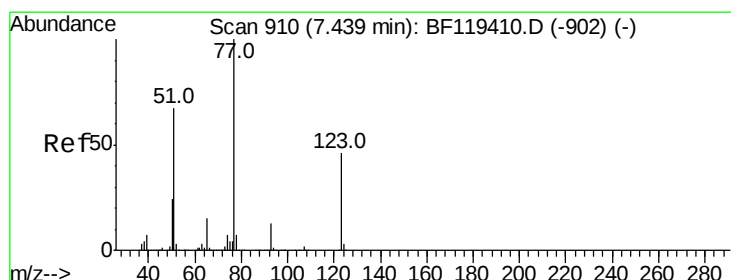
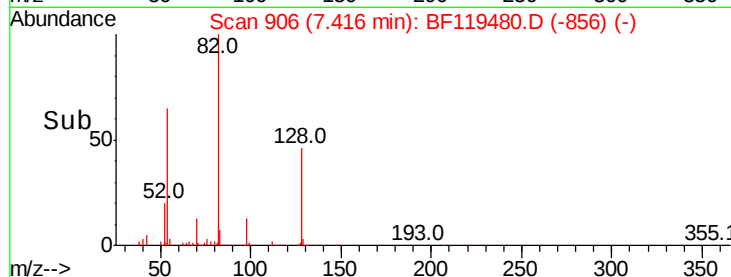
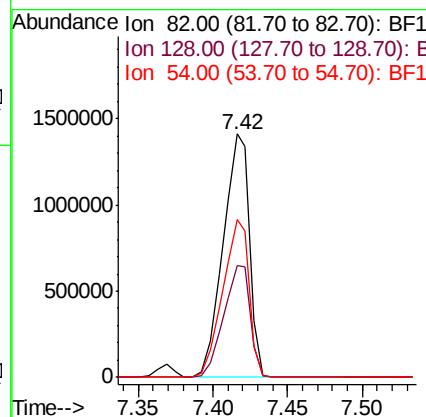
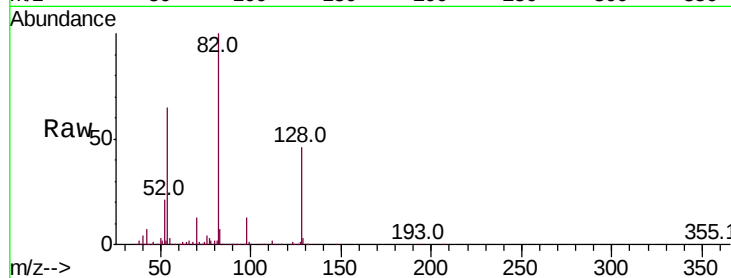
#23  
 Nitrobenzene-d5  
 Concen: 82.248 ng  
 RT: 7.42 min Scan# 906  
 Delta R.T. -0.01 min  
 Lab File: BF119480.D  
 Acq: 20 Mar 2020 19:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 BU-02-031920MSD

Tot Ion: 82 Resp: 1752842  
 Ion Ratio Lower Upper  
 82 100  
 128 45.7 35.8 53.8  
 54 65.0 53.4 80.0

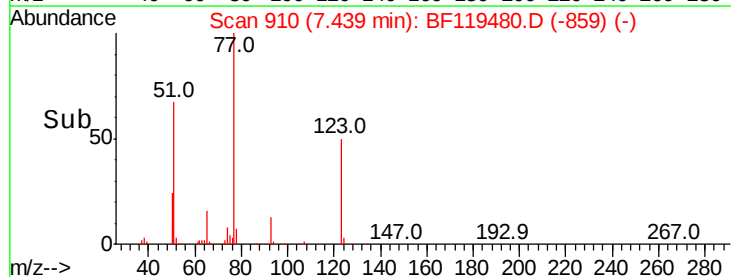
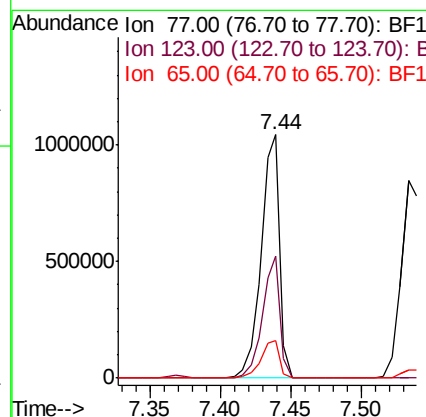
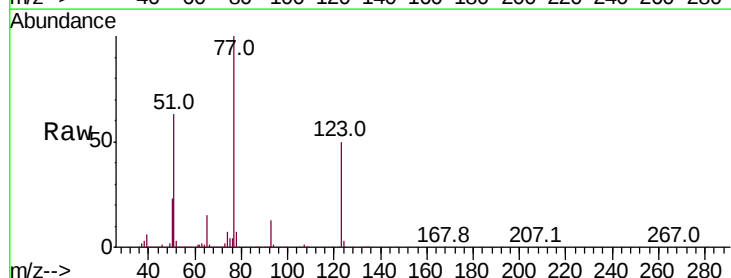
Manual Integrations  
 APPROVED

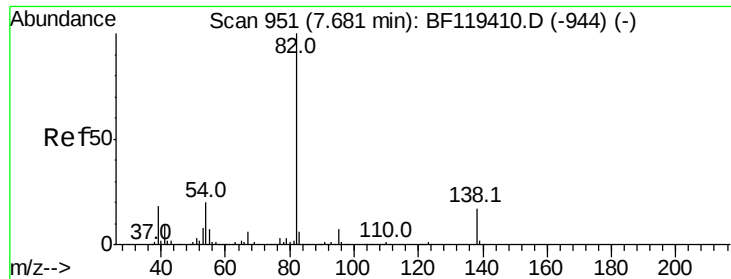
mohammad  
 3/23/2020 9:40:51 AM



#24  
 Nitrobenzene  
 Concen: 42.040 ng  
 RT: 7.44 min Scan# 910  
 Delta R.T. -0.00 min  
 Lab File: BF119480.D  
 Acq: 20 Mar 2020 19:13

Tgt Ion: 77 Resp: 957478  
 Ion Ratio Lower Upper  
 77 100  
 123 50.2 36.9 55.3  
 65 15.2 12.2 18.4





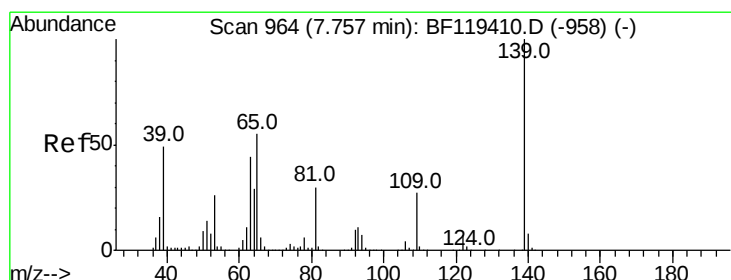
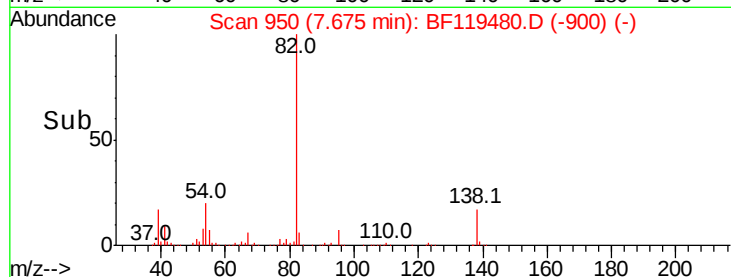
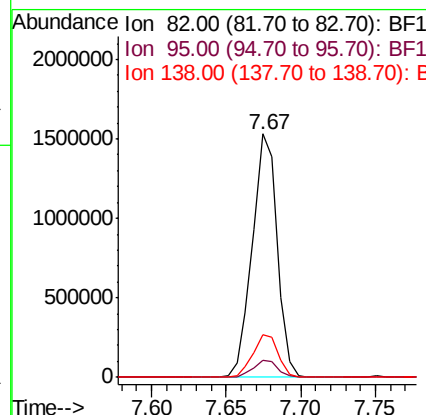
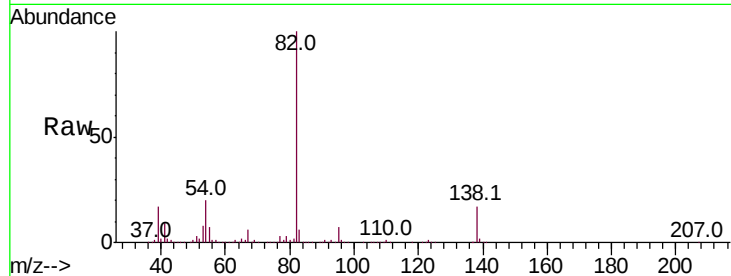
#25  
Isophorone  
Concen: 40.657 ng  
RT: 7.67 min Scan# 950  
Delta R.T. -0.01 min  
Lab File: BF119480.D  
Acq: 20 Mar 2020 19:13

Instrument :  
BNA\_F  
ClientSampleId :  
BU-02-031920MSD

Tot Ion: 82 Resp: 1757644  
Ion Ratio Lower Upper  
82 100  
95 6.8 5.4 8.2  
138 17.4 13.8 20.8

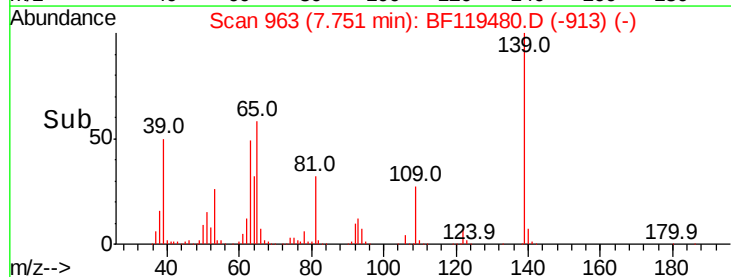
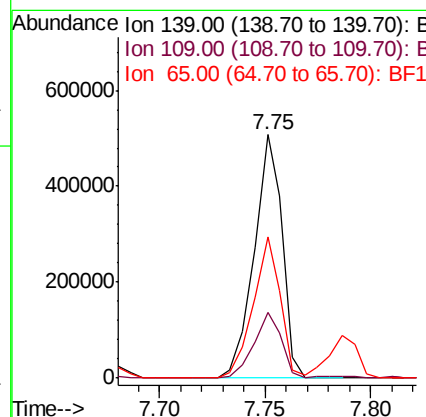
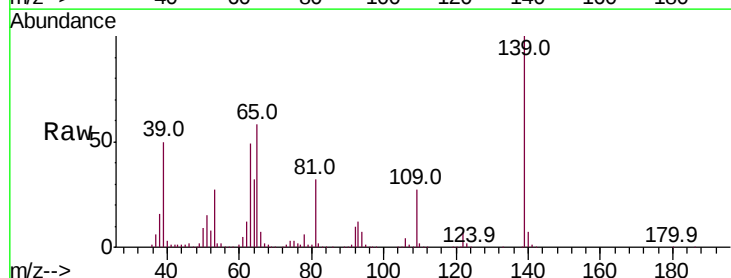
Manual Integrations  
APPROVED

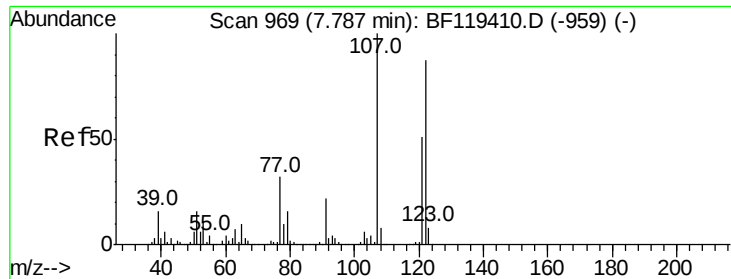
mohammad  
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#26  
2-Nitrophenol  
Concen: 52.146 ng  
RT: 7.75 min Scan# 963  
Delta R.T. -0.01 min  
Lab File: BF119480.D  
Acq: 20 Mar 2020 19:13

Tgt Ion: 139 Resp: 467628  
Ion Ratio Lower Upper  
139 100  
109 26.7 21.7 32.5  
65 57.9 43.9 65.9





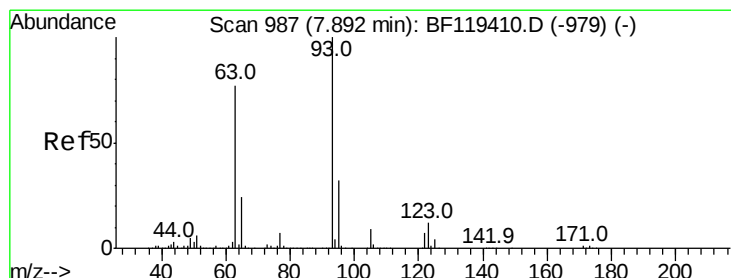
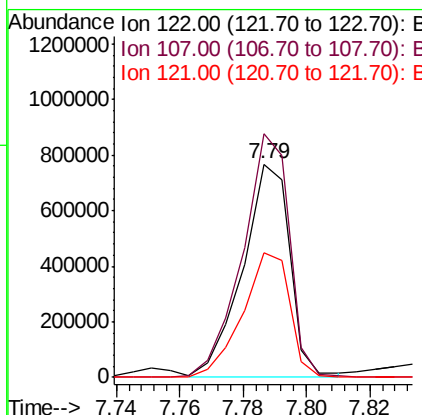
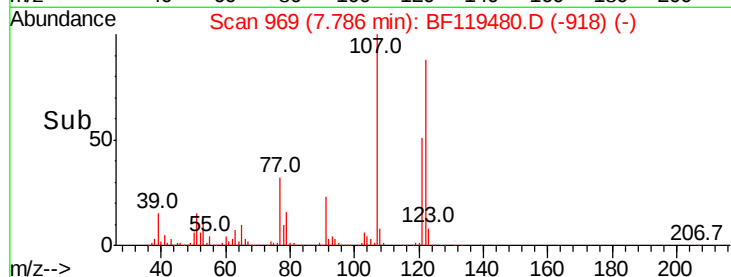
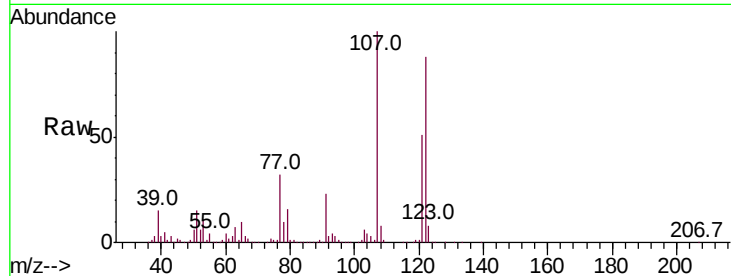
#27  
2,4-Dimethylphenol  
Concen: 42.932 ng  
RT: 7.79 min Scan# 969  
Delta R.T. -0.00 min  
Lab File: BF119480.D  
Acq: 20 Mar 2020 19:13

Instrument :  
BNA\_F  
ClientSampleId :  
BU-02-031920MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 122     | 100   | 796089 |       |       |
| 107     | 114.3 | 91.8   | 137.6 |       |
| 121     | 58.5  | 46.5   | 69.7  |       |

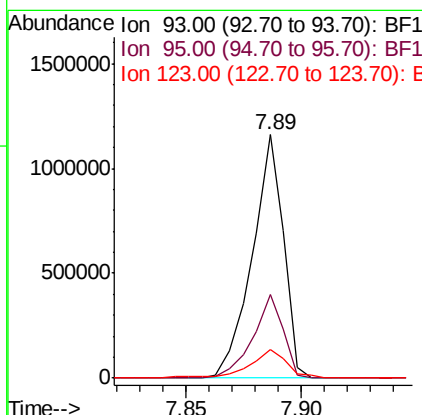
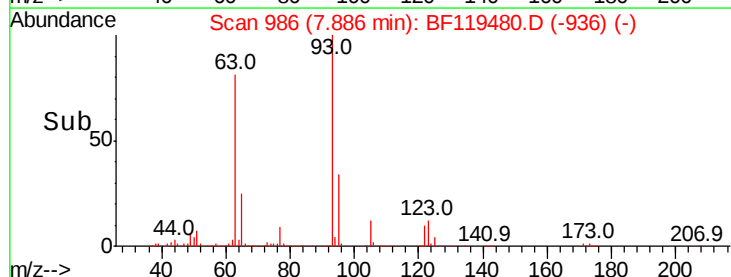
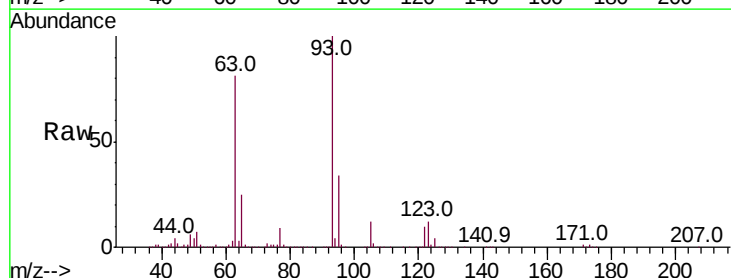
Manual Integrations  
APPROVED

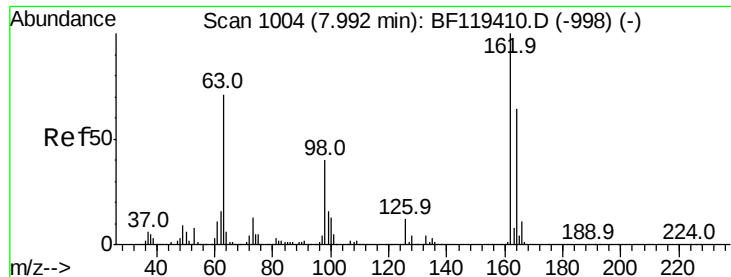
mohammad  
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#28  
bis(2-Chloroethoxy)methane  
Concen: 42.975 ng  
RT: 7.89 min Scan# 986  
Delta R.T. -0.01 min  
Lab File: BF119480.D  
Acq: 20 Mar 2020 19:13

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 93      | 100   | 1098608 |       |       |
| 95      | 34.1  | 26.0    | 39.0  |       |
| 123     | 11.9  | 9.7     | 14.5  |       |





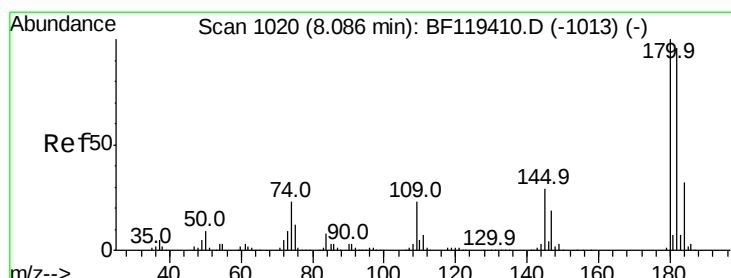
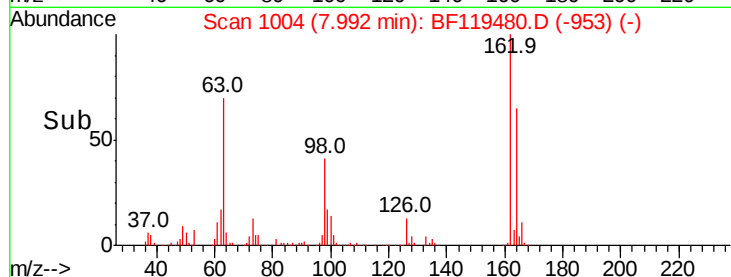
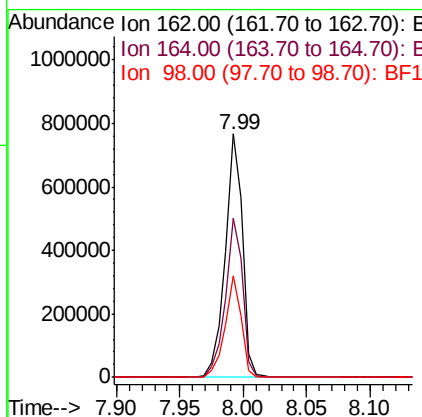
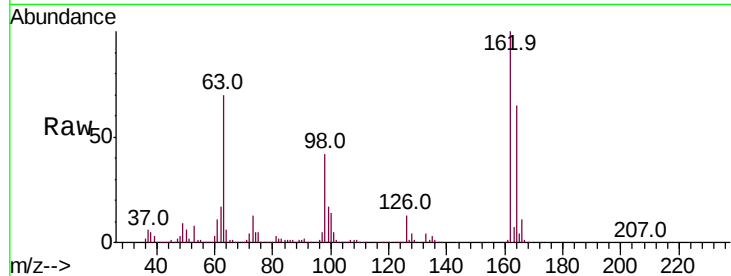
#29  
 2,4-Dichlorophenol  
 Concen: 42.519 ng  
 RT: 7.99 min Scan# 1004  
 Delta R.T. -0.00 min  
 Lab File: BF119480.D  
 Acq: 20 Mar 2020 19:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 BU-02-031920MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 65.2  | 43.6  | 83.6  |
| 98      | 41.5  | 20.4  | 60.4  |

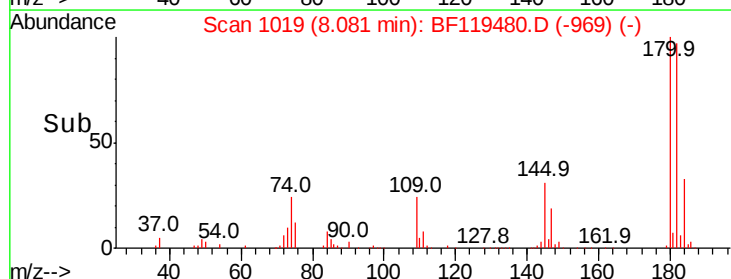
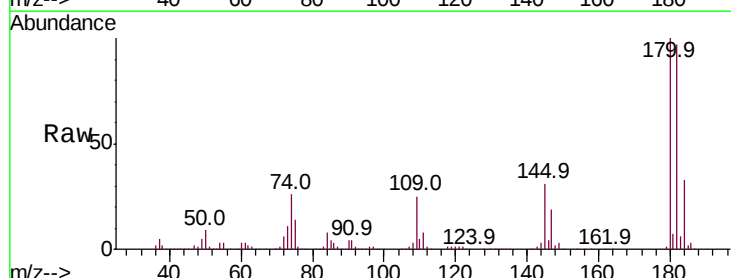
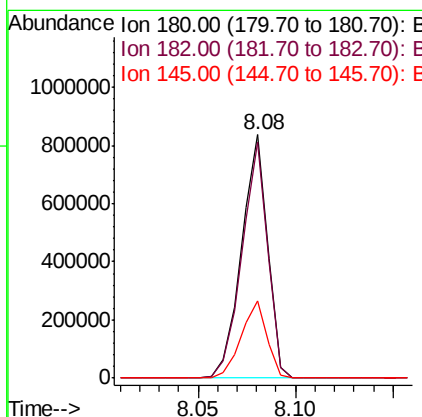
Manual Integrations  
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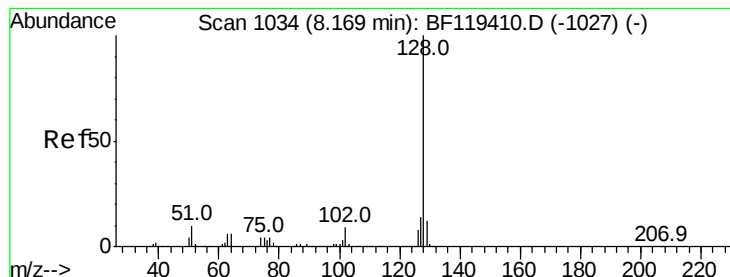
mohammad  
 3/23/2020 9:40:51 AM



#30  
 1,2,4-Trichlorobenzene  
 Concen: 40.961 ng  
 RT: 8.08 min Scan# 1019  
 Delta R.T. -0.01 min  
 Lab File: BF119480.D  
 Acq: 20 Mar 2020 19:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 97.1  | 76.6  | 115.0 |
| 145     | 31.5  | 23.2  | 34.8  |





#31

Naphthalene

Concen: 41.322 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

Instrument :

BNA\_F

ClientSampleId :

BU-02-031920MSD

Tot Ion:128 Resp: 2462993

Ion Ratio Lower Upper

128 100

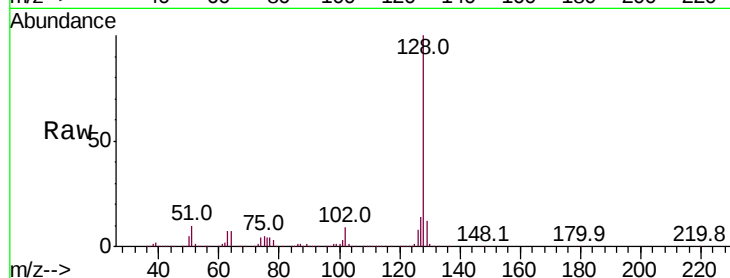
129 12.1 9.3 13.9

127 13.9 11.0 16.4

Manual Integrations  
APPROVED

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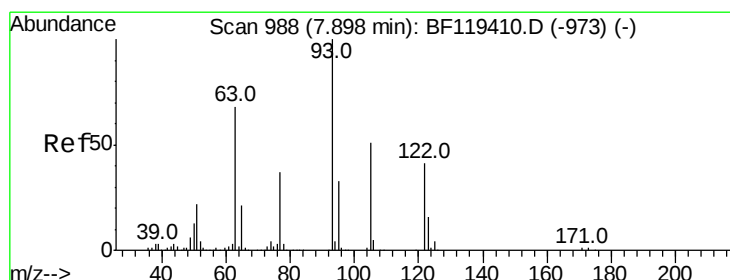
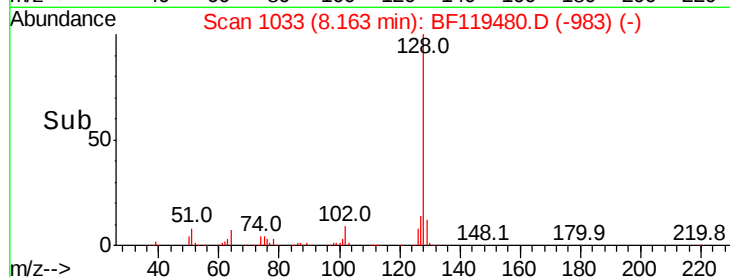
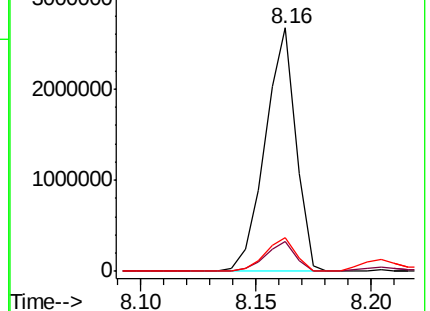
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 40.608 ng

RT: 7.90 min Scan# 989

Delta R.T. 0.01 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

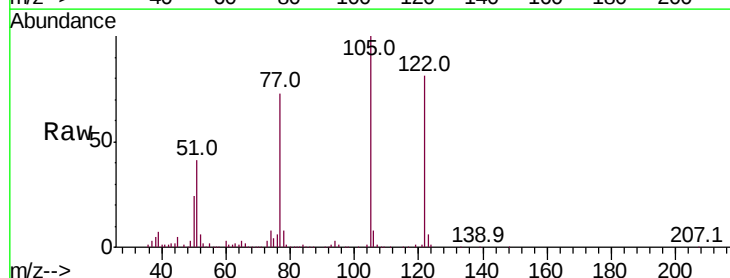
Tgt Ion:122 Resp: 484365

Ion Ratio Lower Upper

122 100

105 123.7 102.9 142.9

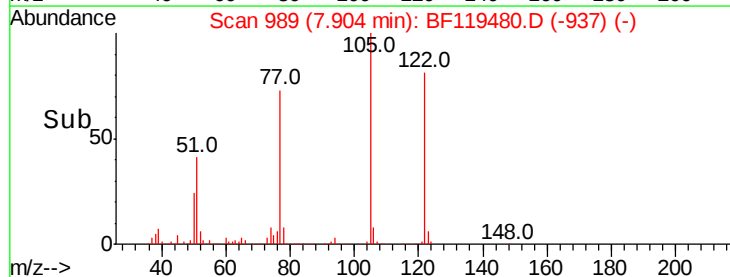
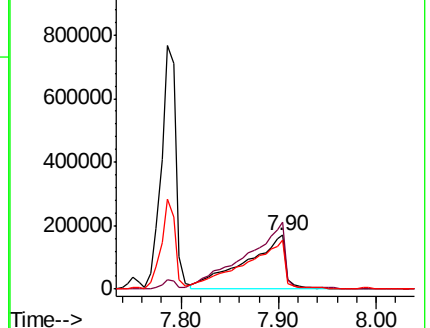
77 90.8 70.1 110.1

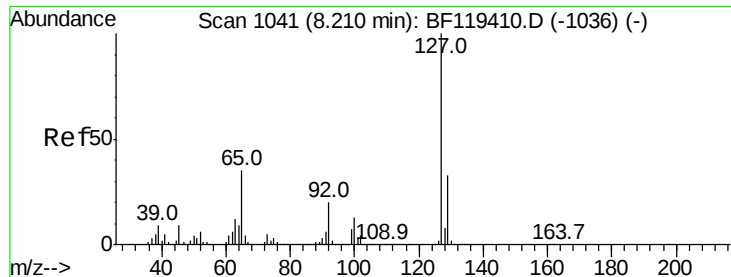


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





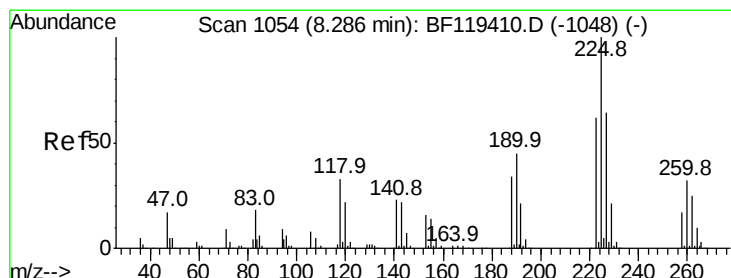
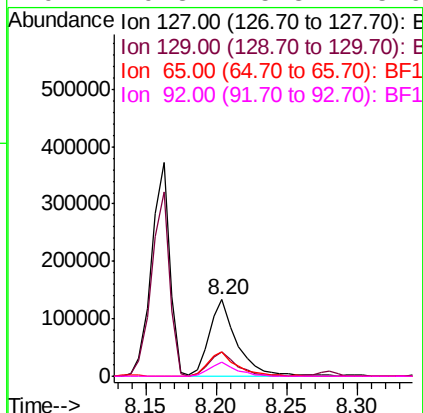
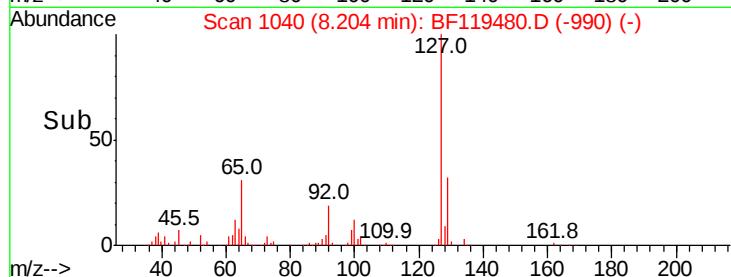
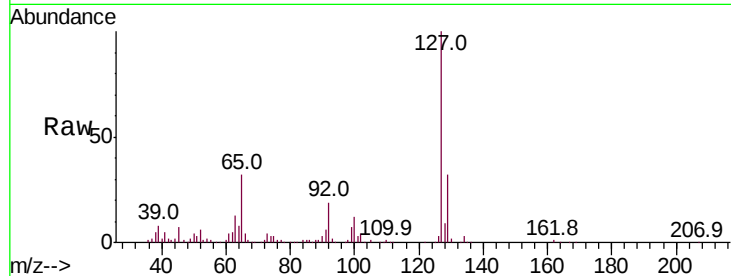
#33  
4-Chloroaniline  
Concen: 6.433 ng  
RT: 8.20 min Scan# 1040  
Delta R.T. -0.01 min  
Lab File: BF119480.D  
Acq: 20 Mar 2020 19:13

Instrument :  
BNA\_F  
ClientSampleId :  
BU-02-031920MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 127     | 100   |       |       |
| 129     | 31.7  | 26.2  | 39.4  |
| 65      | 32.2  | 27.7  | 41.5  |
| 92      | 19.3  | 15.8  | 23.6  |

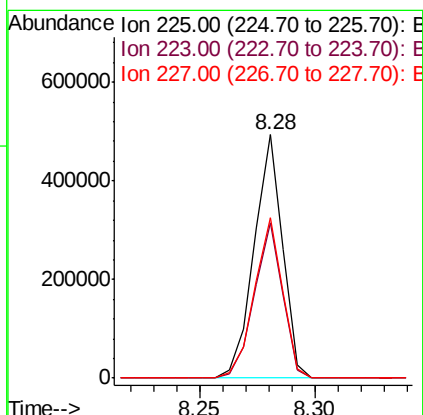
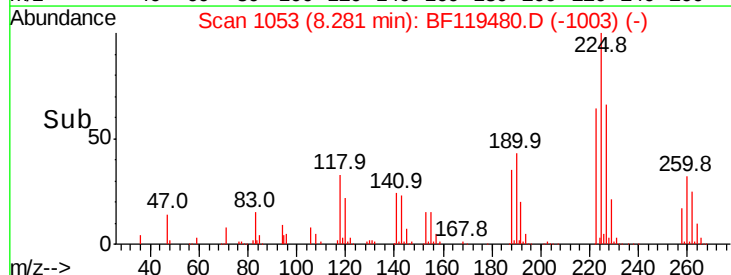
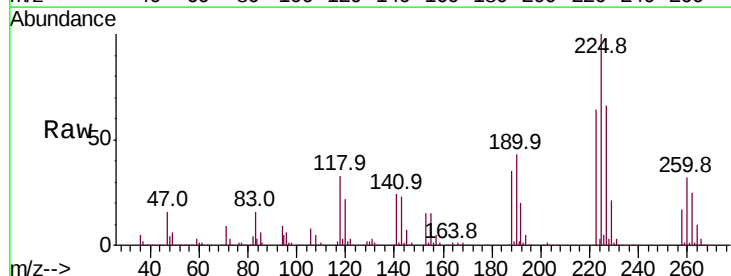
Manual Integrations  
APPROVED

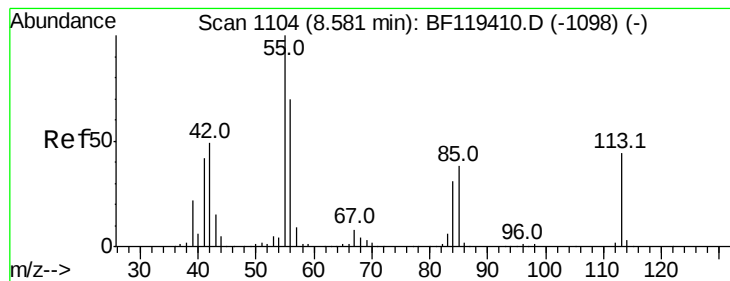
mohammad  
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#34  
Hexachlorobutadiene  
Concen: 40.314 ng  
RT: 8.28 min Scan# 1053  
Delta R.T. -0.01 min  
Lab File: BF119480.D  
Acq: 20 Mar 2020 19:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 63.7  | 49.2  | 73.8  |
| 227     | 66.0  | 51.1  | 76.7  |





#35

Caprolactam

Concen: 29.462 ng/mL

RT: 8.57 min Scan# 1103

Delta R.T. -0.01 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

Instrument :

BNA\_F

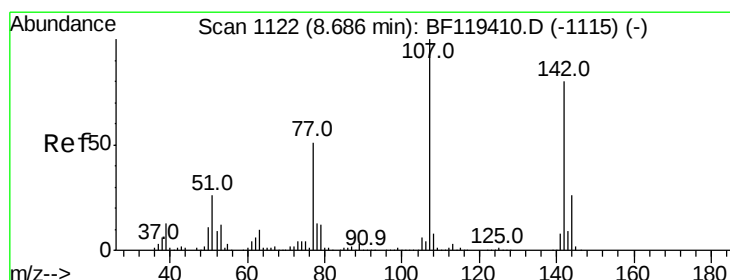
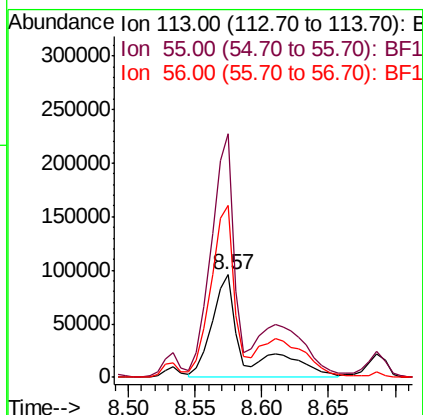
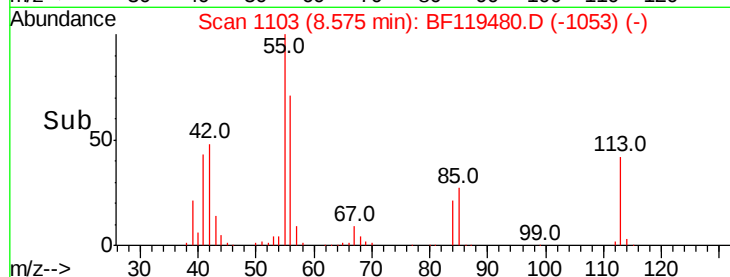
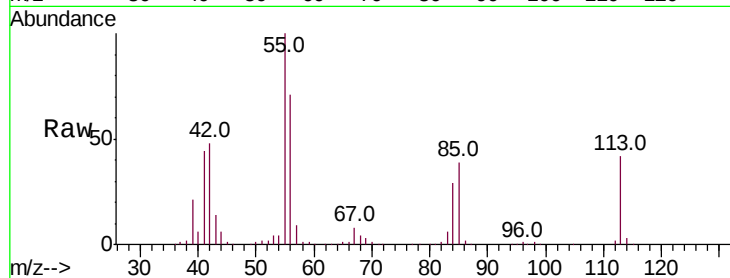
ClientSampleId :

BU-02-031920MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 55      | 238.1 | 208.4 | 248.4 |
| 56      | 168.4 | 138.9 | 178.9 |

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#36

4-Chloro-3-methylphenol

Concen: 42.050 ng/mL

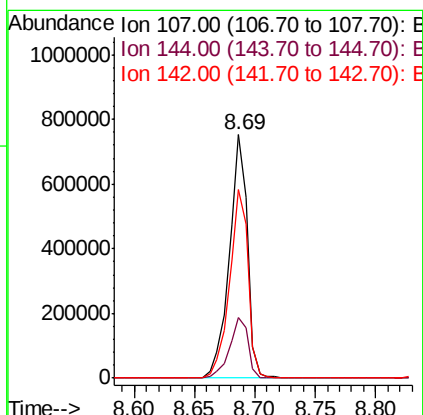
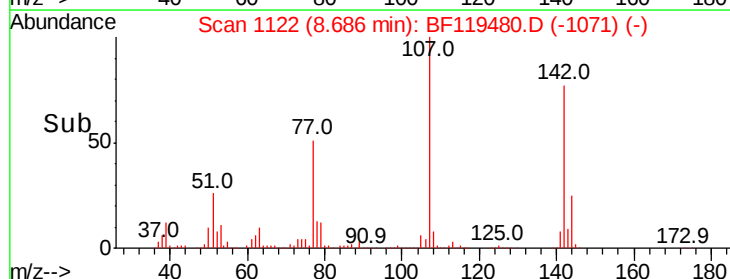
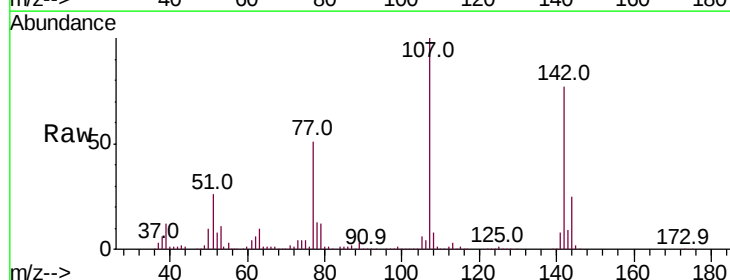
RT: 8.69 min Scan# 1122

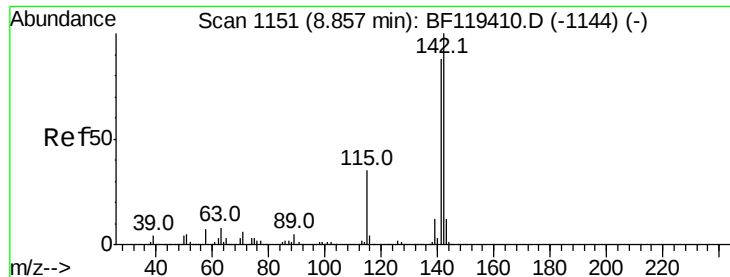
Delta R.T. -0.00 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 144     | 25.1  | 20.6  | 31.0  |
| 142     | 77.5  | 63.8  | 95.6  |





#37

2-Methylnaphthalene

Concen: 42.803 ng

RT: 8.86 min Scan# 1151

Delta R.T. -0.00 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

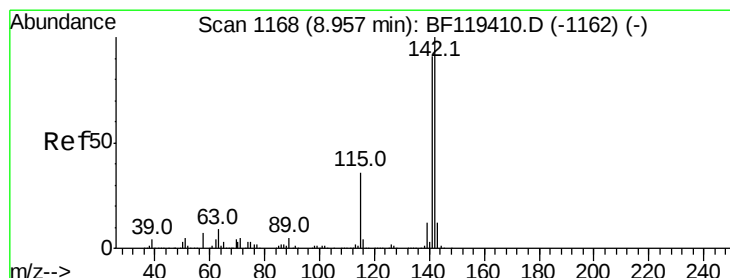
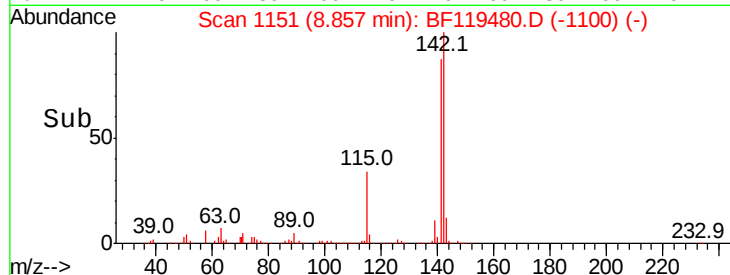
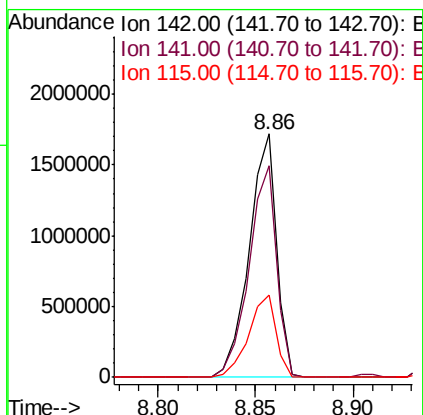
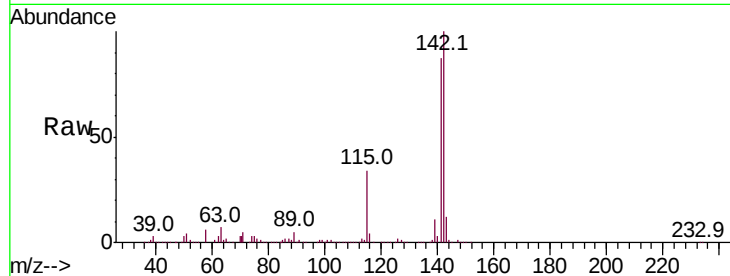
Instrument :  
BNA\_F

ClientSampleId :  
BU-02-031920MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 86.9  | 70.4  | 105.6 |
| 115     | 33.9  | 27.8  | 41.6  |

Manual Integrations  
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#38

1-Methylnaphthalene

Concen: 42.452 ng

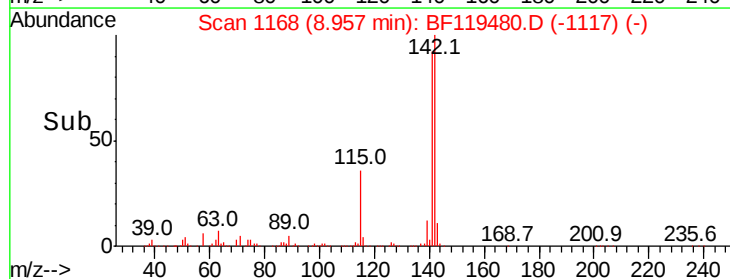
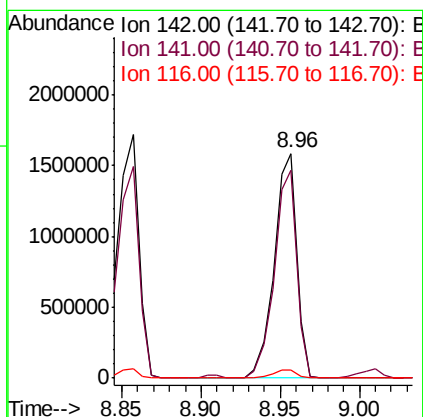
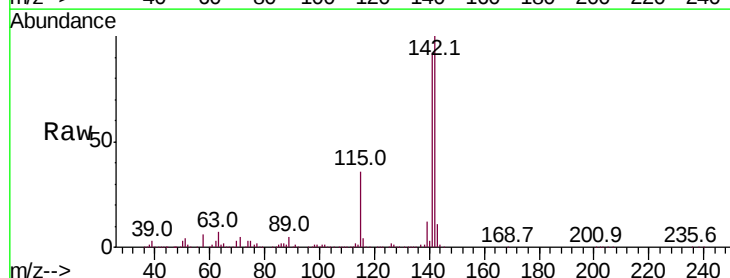
RT: 8.96 min Scan# 1168

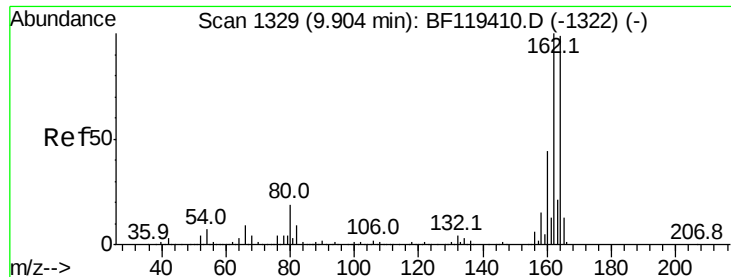
Delta R.T. -0.00 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 92.4  | 73.1  | 109.7 |
| 116     | 3.8   | 3.0   | 4.6   |





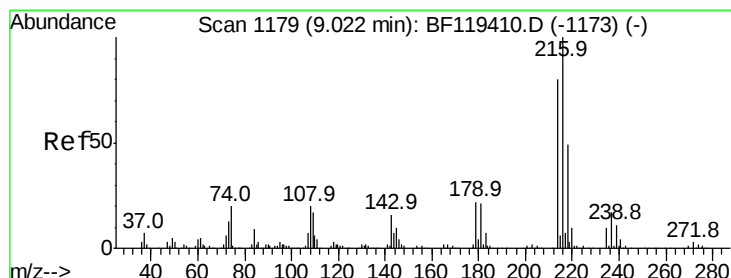
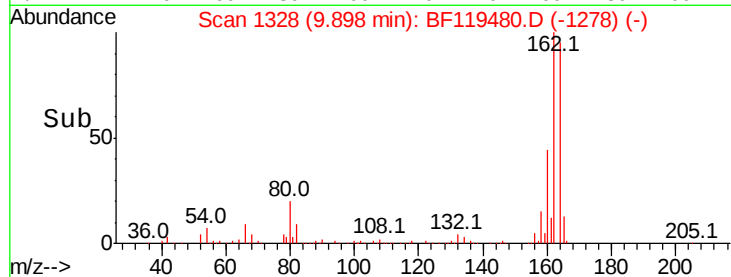
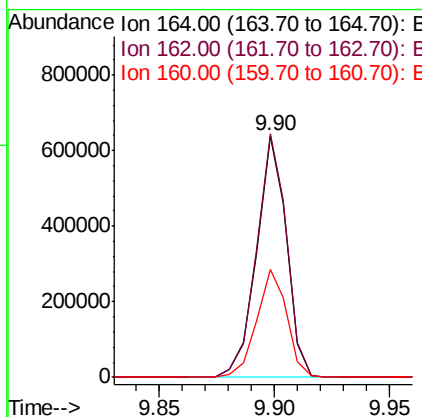
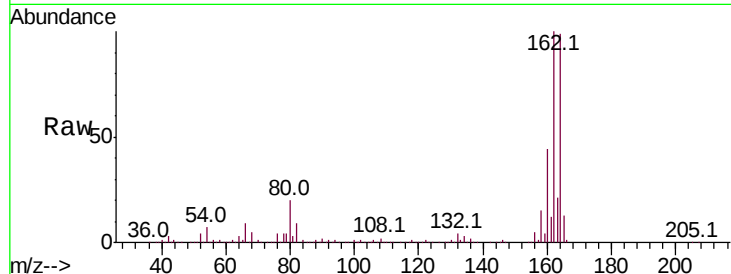
#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.90 min Scan# 1328  
 Delta R.T. -0.01 min  
 Lab File: BF119480.D  
 Acq: 20 Mar 2020 19:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 BU-02-031920MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 100.9 | 80.7  | 121.1 |
| 160     | 44.6  | 35.5  | 53.3  |

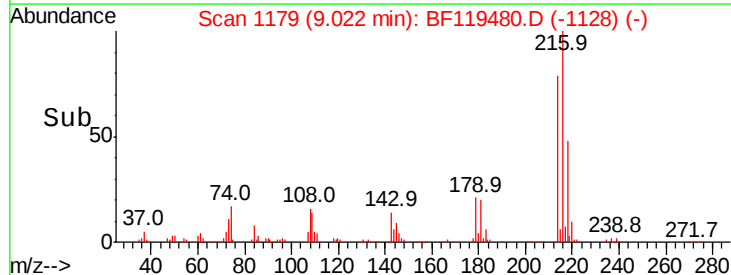
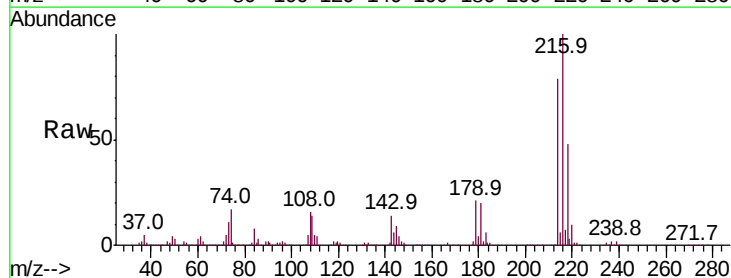
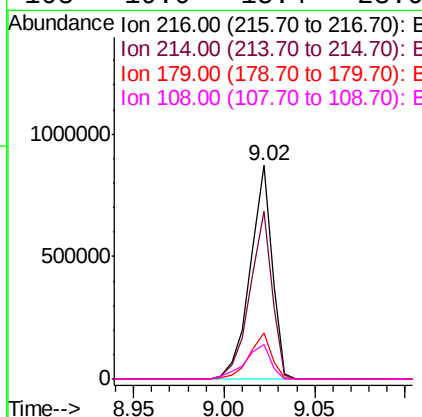
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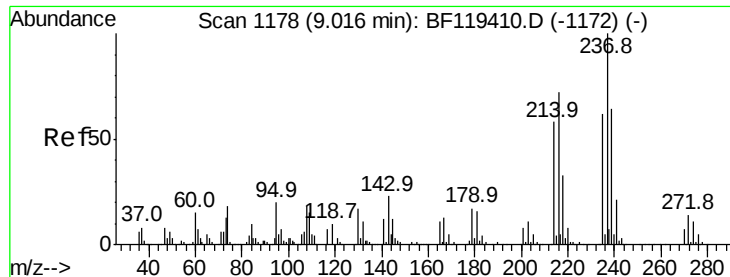
mohammad  
 3/23/2020 9:40:51 AM



#40  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 43.297 ng  
 RT: 9.02 min Scan# 1179  
 Delta R.T. -0.00 min  
 Lab File: BF119480.D  
 Acq: 20 Mar 2020 19:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 216     | 100   |       |       |
| 214     | 79.2  | 63.0  | 94.6  |
| 179     | 21.3  | 17.0  | 25.4  |
| 108     | 19.0  | 15.4  | 23.0  |





#41

Hexachlorocyclopentadiene

Concen: 48.139 ng

RT: 9.01 min Scan# 1177

Delta R.T. -0.01 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

Instrument :

BNA\_F

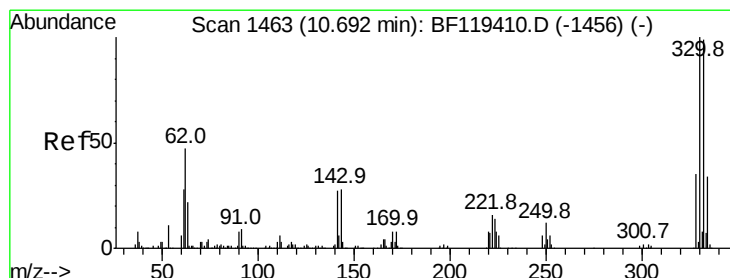
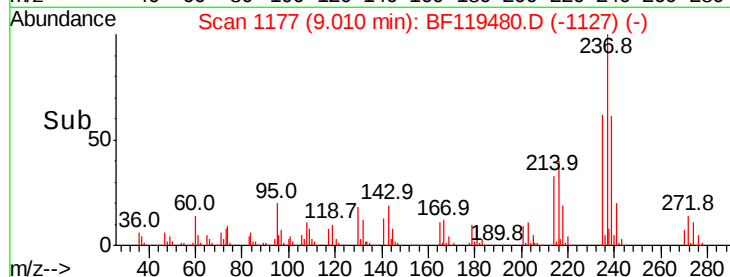
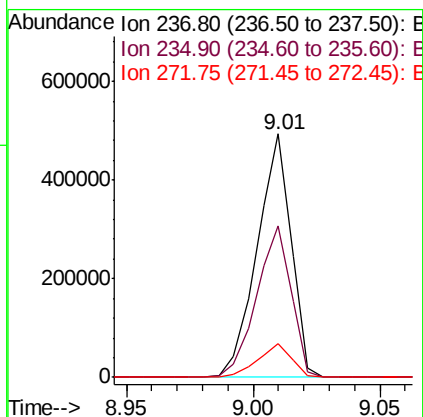
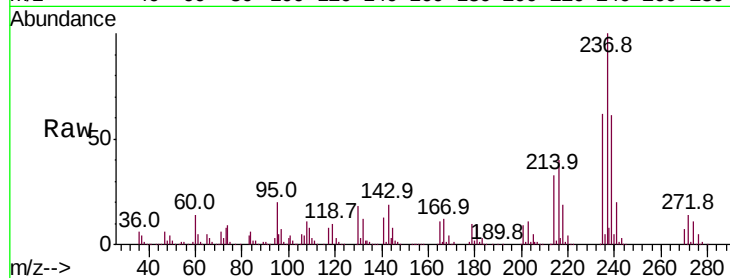
ClientSampleId :

BU-02-031920MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 237   | Resp: | 463076 |
| Ion Ratio | Lower | Upper |        |
| 237       | 100   |       |        |
| 235       | 62.0  | 42.5  | 82.5   |
| 272       | 14.1  | 0.0   | 34.3   |

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#42

2,4,6-Tribromophenol

Concen: 118.524 ng

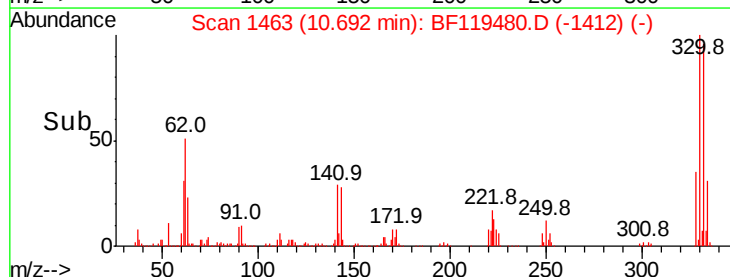
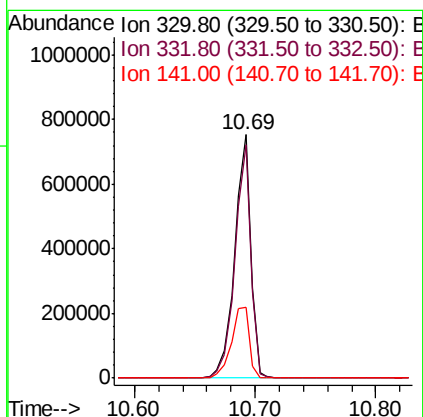
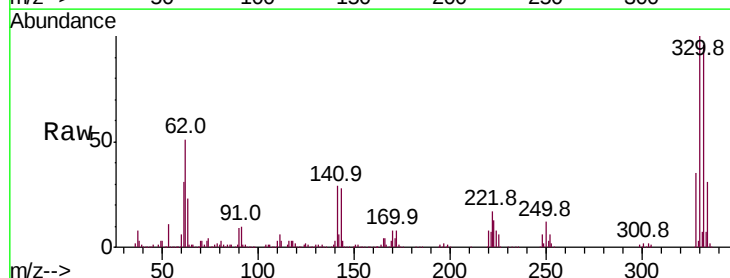
RT: 10.69 min Scan# 1463

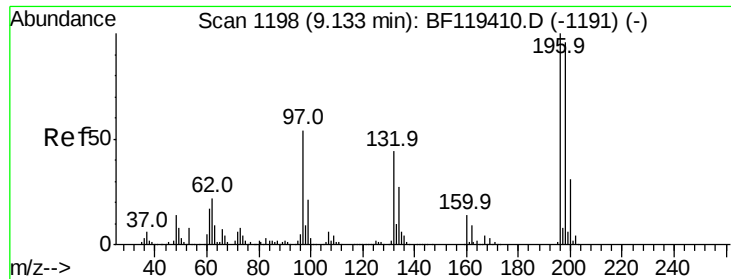
Delta R.T. -0.00 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 330   | Resp: | 705880 |
| Ion Ratio | Lower | Upper |        |
| 330       | 100   |       |        |
| 332       | 94.6  | 77.6  | 116.4  |
| 141       | 32.4  | 26.6  | 40.0   |





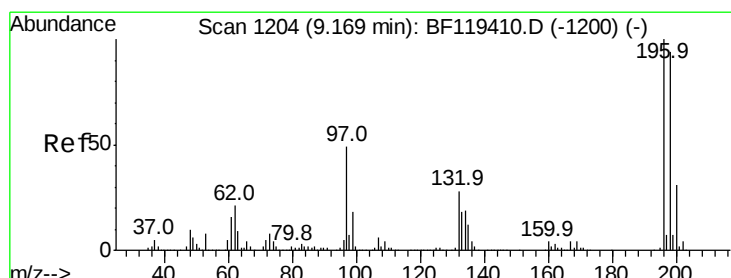
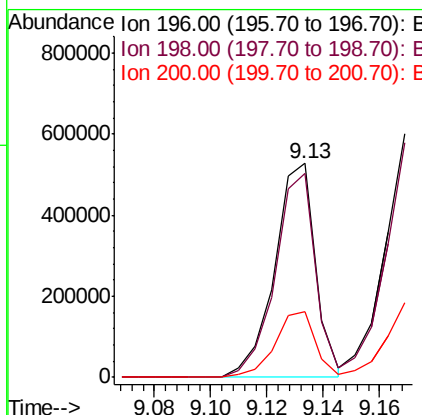
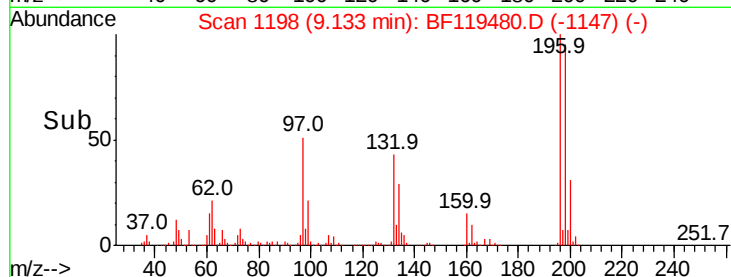
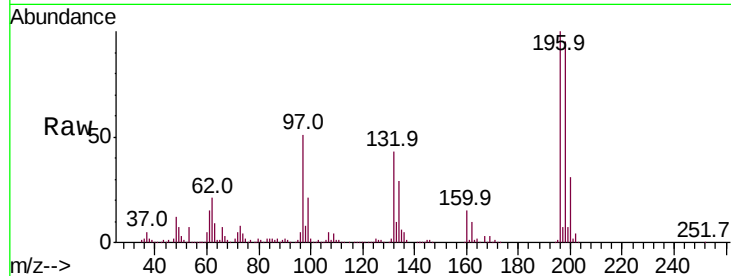
#43  
 2,4,6-Trichlorophenol  
 Concen: 43.737 ng  
 RT: 9.13 min Scan# 1198  
 Delta R.T. -0.00 min  
 Lab File: BF119480.D  
 Acq: 20 Mar 2020 19:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 BU-02-031920MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 529598 |       |       |
| 198     | 95.4  | 77.0   | 115.4 |       |
| 200     | 31.0  | 25.1   | 37.7  |       |

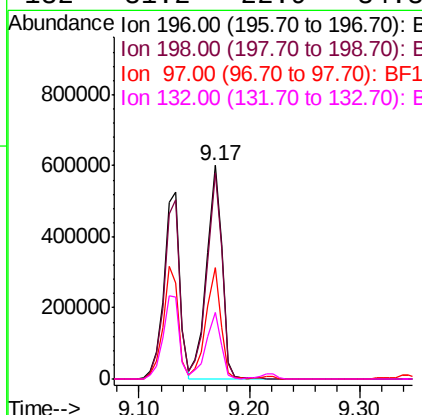
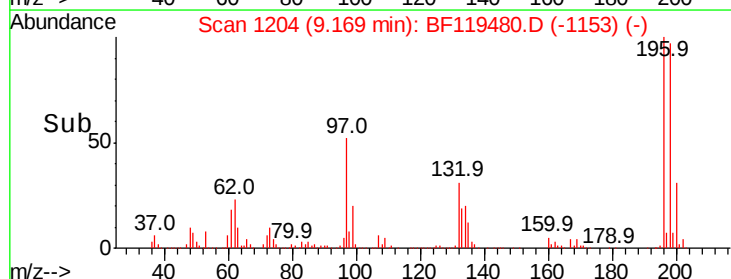
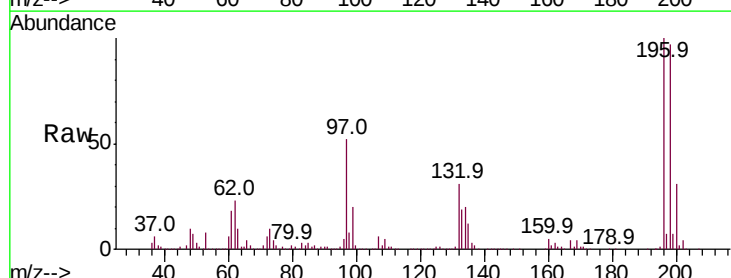
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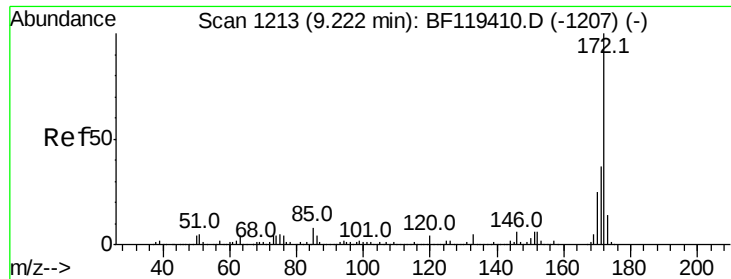
mohammad  
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#44  
 2,4,5-Trichlorophenol  
 Concen: 41.567 ng  
 RT: 9.17 min Scan# 1204  
 Delta R.T. -0.00 min  
 Lab File: BF119480.D  
 Acq: 20 Mar 2020 19:13

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 563835 |       |       |
| 198     | 96.6  | 75.3   | 112.9 |       |
| 97      | 51.9  | 39.0   | 58.4  |       |
| 132     | 31.2  | 22.9   | 34.3  |       |





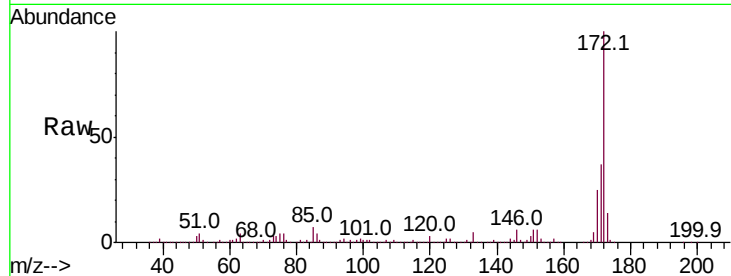
#45  
2-Fluorobiphenyl  
Concen: 77.905 ng  
RT: 9.22 min Scan# 1213  
Delta R.T. -0.00 min  
Lab File: BF119480.D  
Acq: 20 Mar 2020 19:13

Instrument :  
BNA\_F  
ClientSampleId :  
BU-02-031920MSD

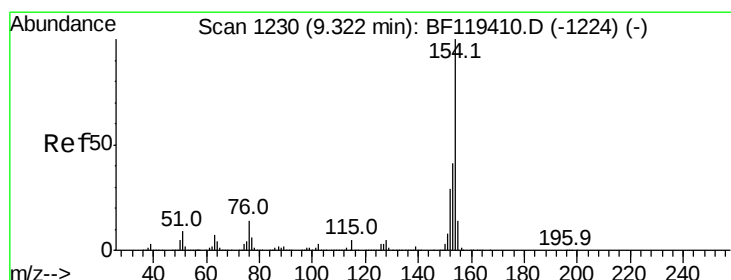
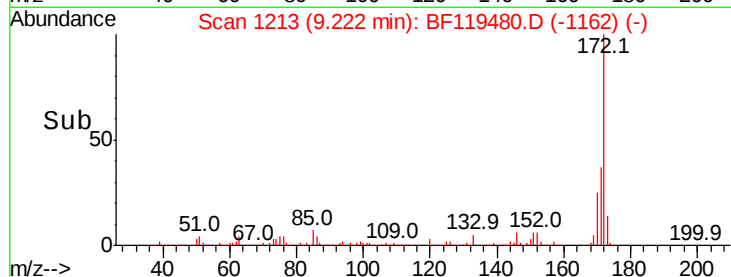
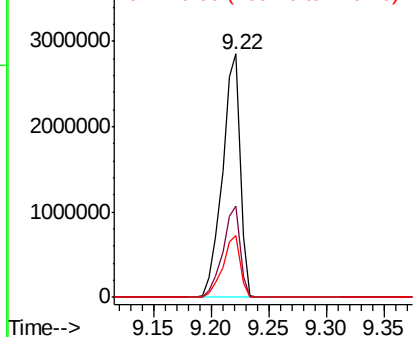
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.4  | 29.9  | 44.9  |
| 170     | 25.2  | 20.1  | 30.1  |

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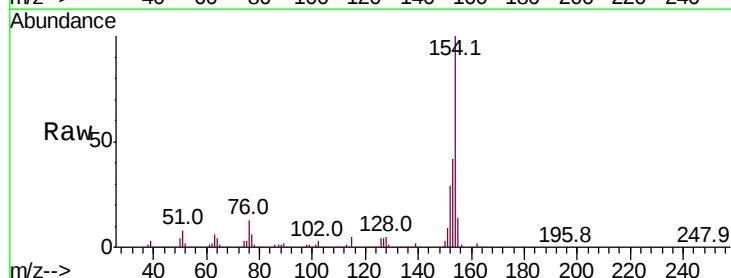


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

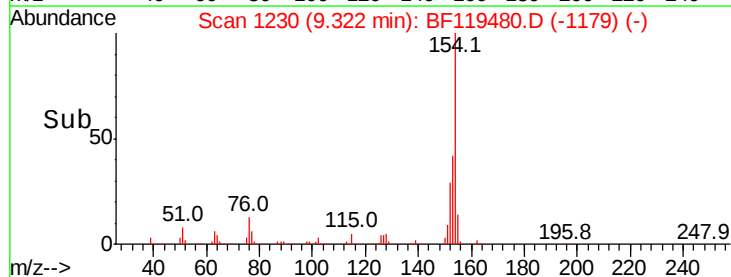
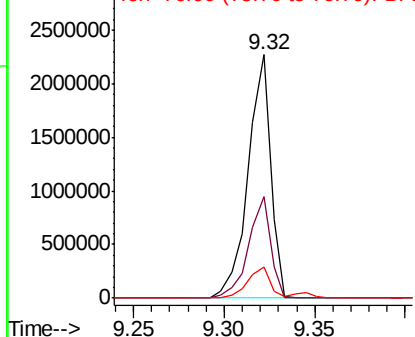


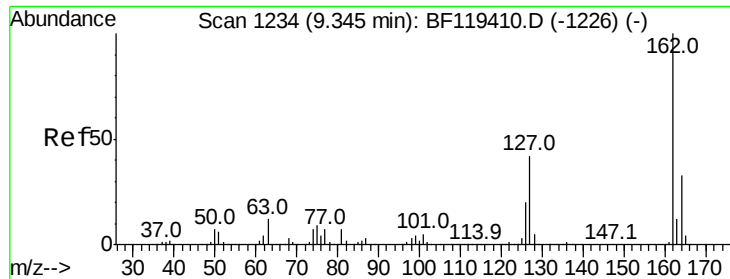
#46  
1,1'-Biphenyl  
Concen: 41.801 ng  
RT: 9.32 min Scan# 1230  
Delta R.T. -0.00 min  
Lab File: BF119480.D  
Acq: 20 Mar 2020 19:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 41.6  | 21.4  | 61.4  |
| 76      | 12.7  | 0.0   | 33.6  |



Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 76.00 (75.70 to 76.70): BF1





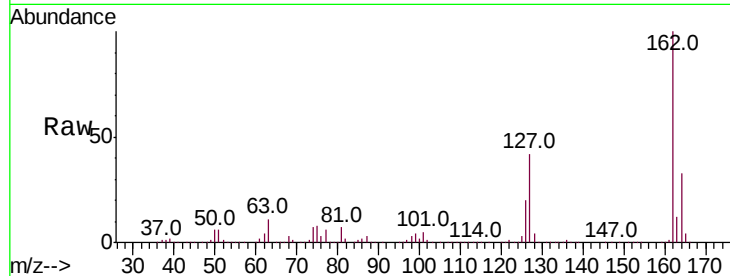
#47  
 2-Chloronaphthalene  
 Concen: 41.568 ng  
 RT: 9.35 min Scan# 1234  
 Delta R.T. -0.00 min  
 Lab File: BF119480.D  
 Acq: 20 Mar 2020 19:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 BU-02-031920MSD

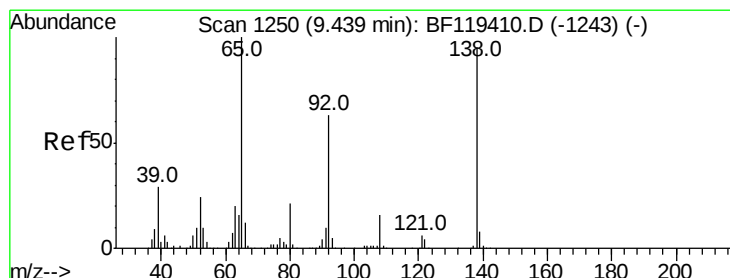
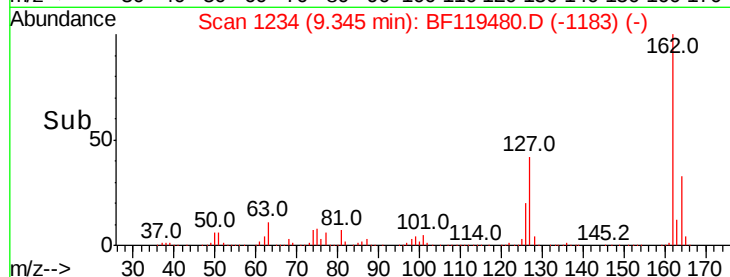
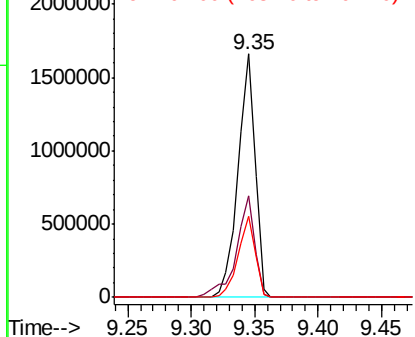
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 41.9  | 33.7  | 50.5  |
| 164     | 33.2  | 26.2  | 39.4  |

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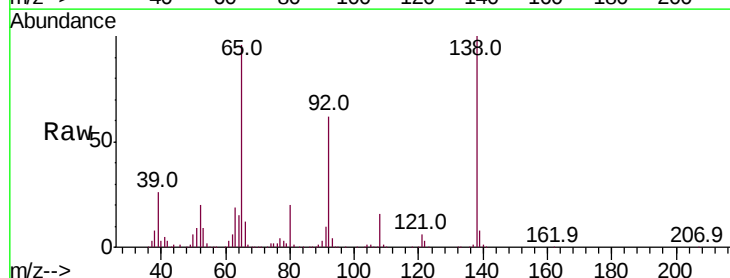


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 127.00 (126.70 to 127.70): E  
 Ion 164.00 (163.70 to 164.70): E

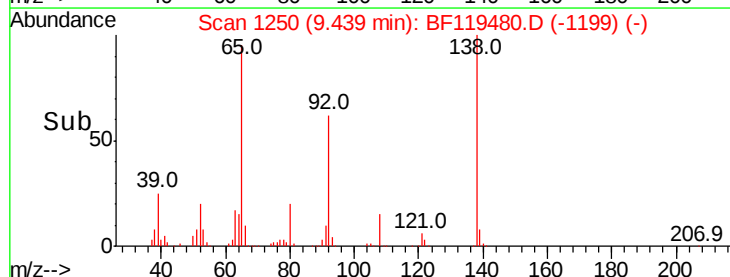
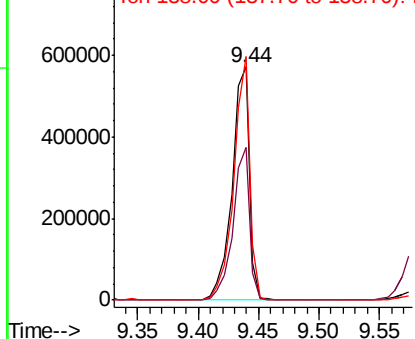


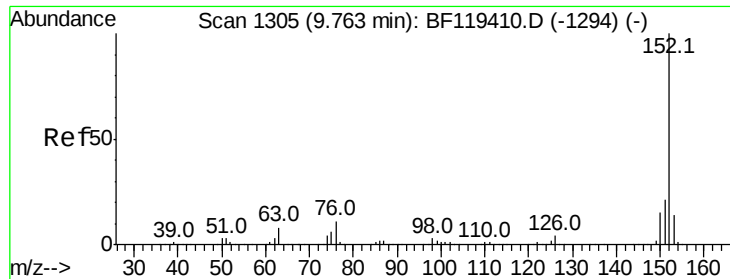
#48  
 2-Nitroaniline  
 Concen: 45.203 ng  
 RT: 9.44 min Scan# 1250  
 Delta R.T. -0.00 min  
 Lab File: BF119480.D  
 Acq: 20 Mar 2020 19:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 65.3  | 50.5  | 75.7  |
| 138     | 104.4 | 75.8  | 113.8 |



Abundance Ion 65.00 (64.70 to 65.70): BF1  
 Ion 92.00 (91.70 to 92.70): BF1  
 Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 42.005 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.00 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

Instrument :

BNA\_F

ClientSampleId :

BU-02-031920MSD

Tot Ion:152 Resp: 2429309

Ion Ratio Lower Upper

152 100

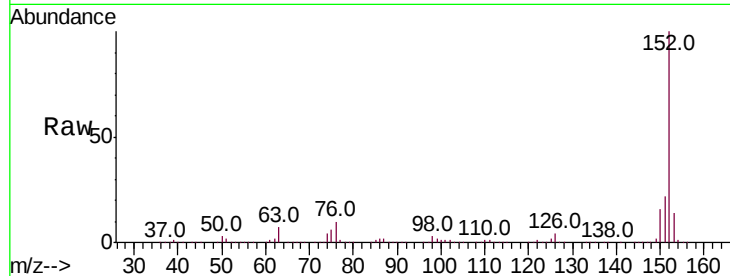
151 21.6 16.8 25.2

153 14.3 11.2 16.8

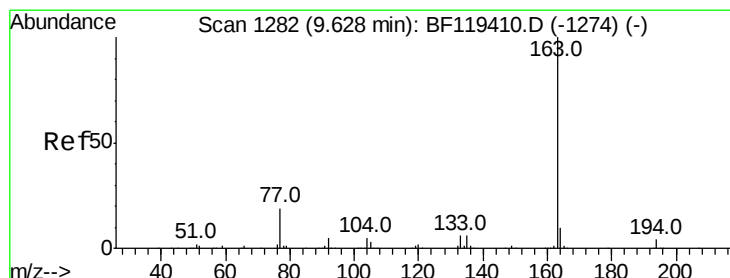
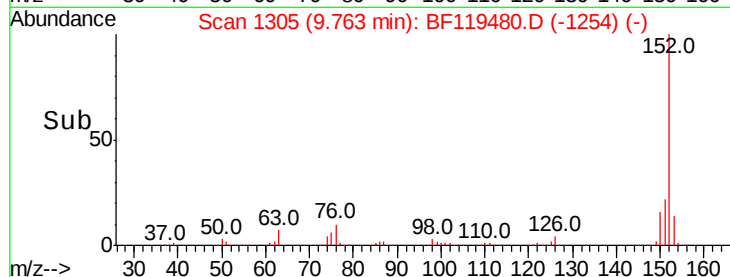
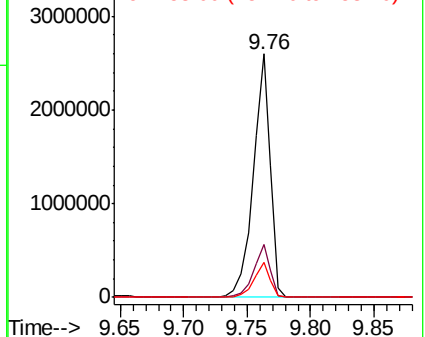
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Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 151.00 (150.70 to 151.70): E  
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 50.970 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.01 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

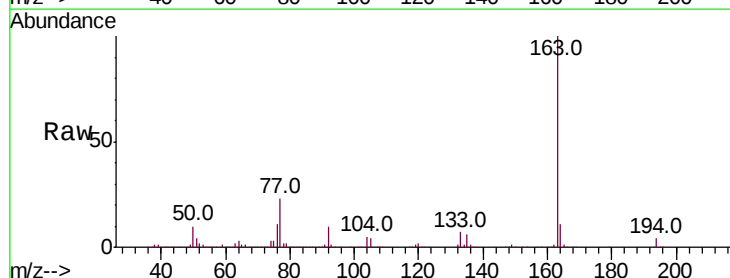
Tgt Ion:163 Resp: 2090011

Ion Ratio Lower Upper

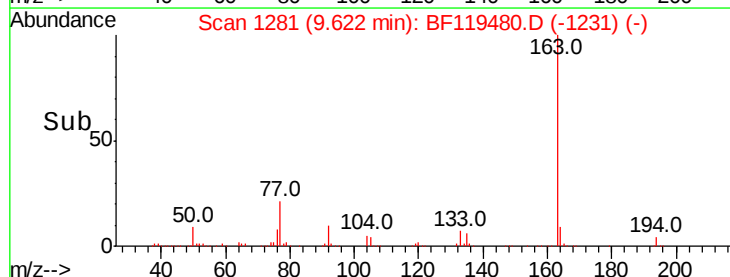
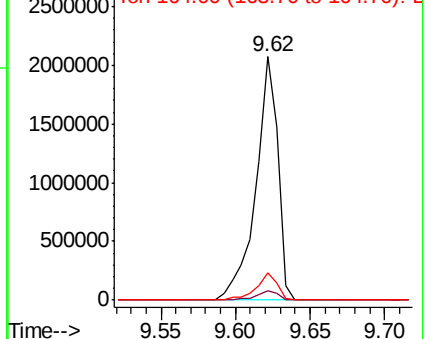
163 100

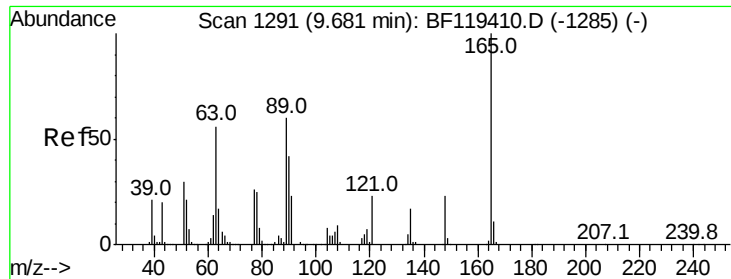
194 3.9 3.2 4.8

164 11.0 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E





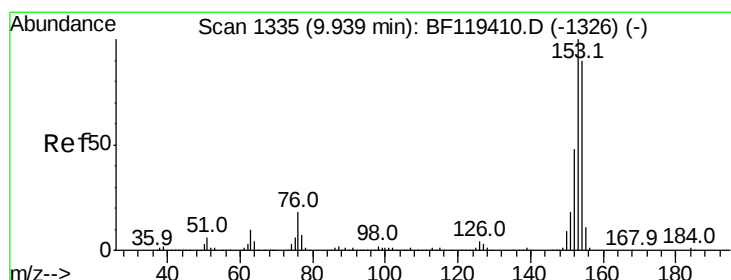
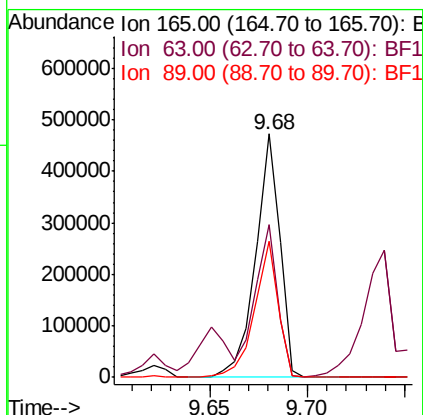
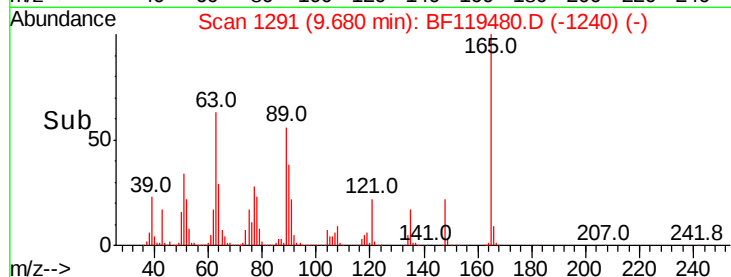
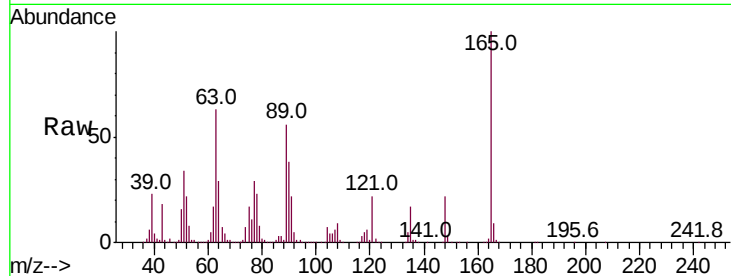
#51  
2,6-Dinitrotoluene  
Concen: 46.317 ng  
RT: 9.68 min Scan# 1291  
Delta R.T. -0.00 min  
Lab File: BF119480.D  
Acq: 20 Mar 2020 19:13

Instrument :  
BNA\_F  
ClientSampleId :  
BU-02-031920MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 407081 |       |       |
| 63      | 62.7  | 57.3   | 85.9  |       |
| 89      | 55.9  | 47.8   | 71.8  |       |

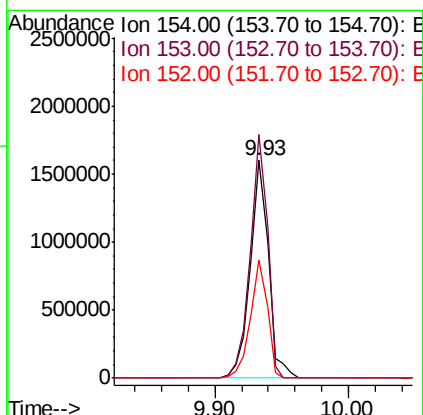
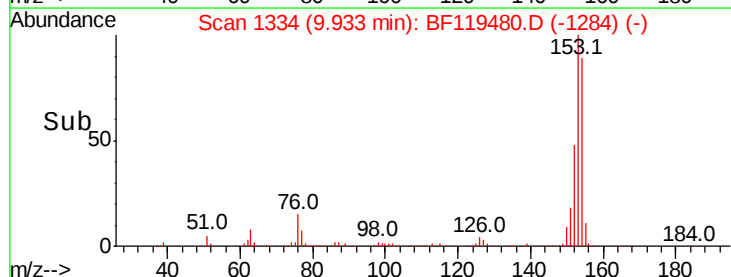
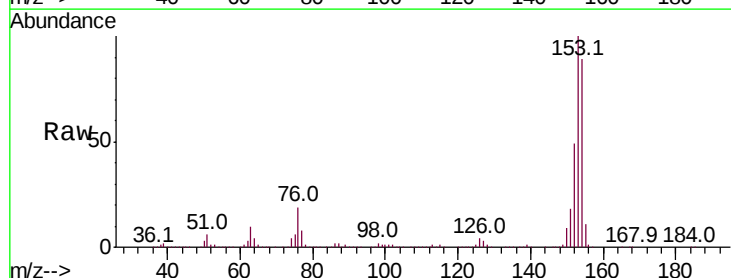
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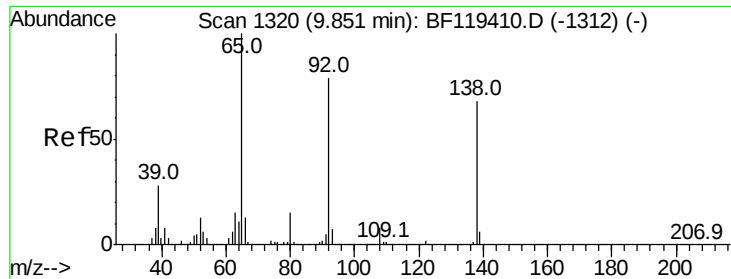
mohammad  
3/23/2020 9:40:51 AM



#52  
Acenaphthene  
Concen: 41.393 ng  
RT: 9.93 min Scan# 1334  
Delta R.T. -0.01 min  
Lab File: BF119480.D  
Acq: 20 Mar 2020 19:13

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 154     | 100   | 1492419 |       |       |
| 153     | 111.9 | 89.0    | 133.6 |       |
| 152     | 54.4  | 43.1    | 64.7  |       |





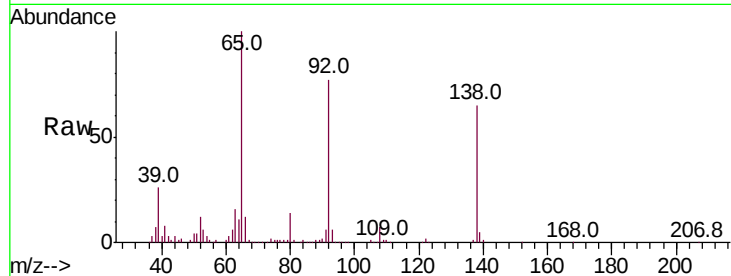
#53  
3-Nitroaniline  
Concen: 8.784 ng  
RT: 9.84 min Scan# 1318  
Delta R.T. -0.01 min  
Lab File: BF119480.D  
Acq: 20 Mar 2020 19:13

Instrument :  
BNA\_F  
ClientSampleId :  
BU-02-031920MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 108     | 10.7  | 9.0   | 13.6  |
| 92      | 119.0 | 93.2  | 139.8 |

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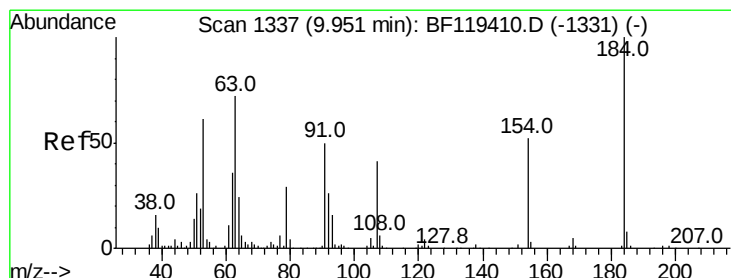
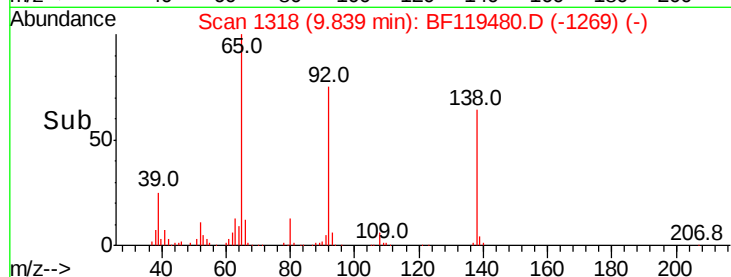
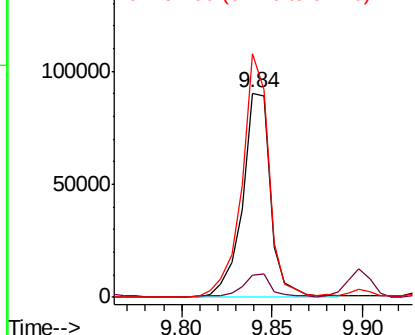


Abundance

Ion 138.00 (137.70 to 138.70): E

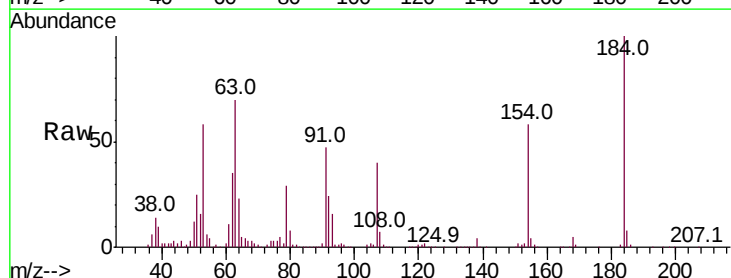
Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54  
2,4-Dinitrophenol  
Concen: 43.956 ng  
RT: 9.95 min Scan# 1337  
Delta R.T. -0.00 min  
Lab File: BF119480.D  
Acq: 20 Mar 2020 19:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 63      | 70.2  | 58.5  | 87.7  |
| 154     | 57.9  | 51.8  | 77.6  |

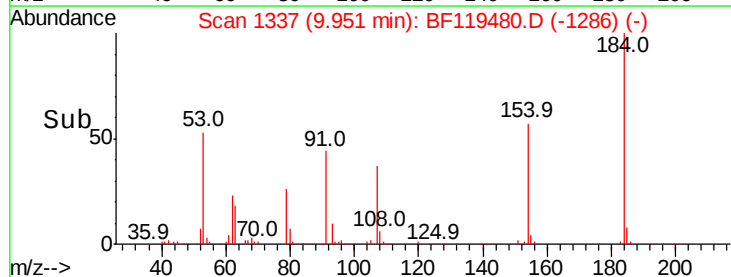
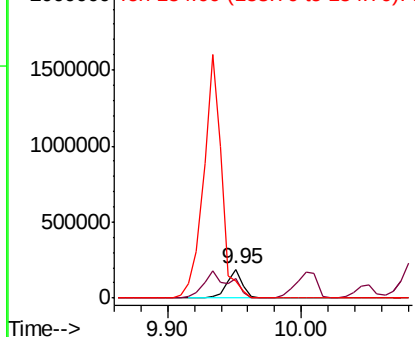


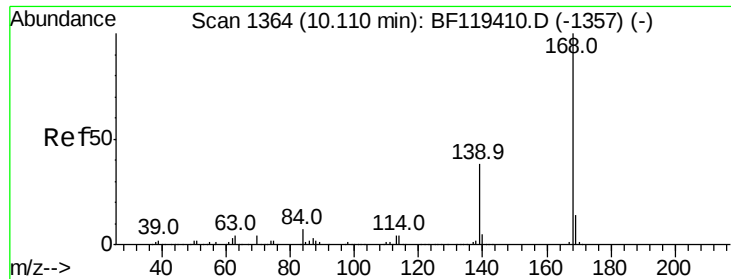
Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





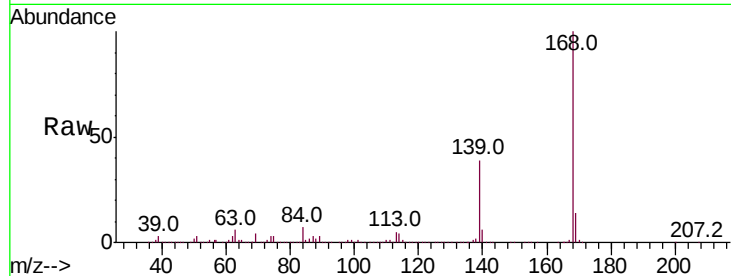
#55  
Dibenzofuran  
Concen: 41.905 ng  
RT: 10.10 min Scan# 1363  
Delta R.T. -0.01 min  
Lab File: BF119480.D  
Acq: 20 Mar 2020 19:13

Instrument :  
BNA\_F  
ClientSampleId :  
BU-02-031920MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 38.7  | 30.2  | 45.4  |
| 169     | 14.4  | 11.1  | 16.7  |

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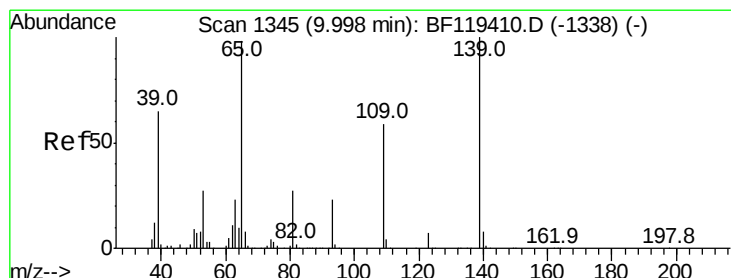
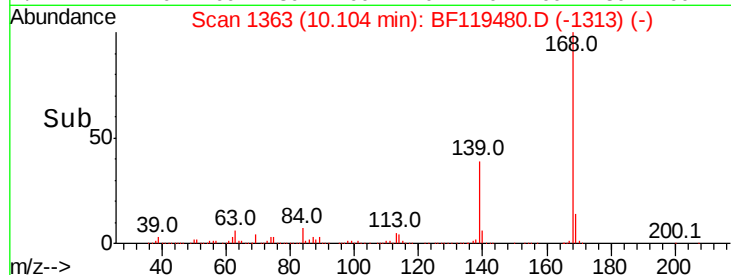
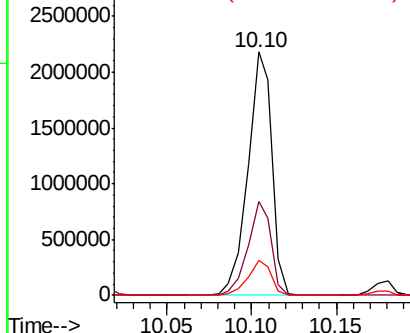


Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56  
4-Nitrophenol  
Concen: 72.684 ng  
RT: 10.01 min Scan# 1347  
Delta R.T. 0.01 min  
Lab File: BF119480.D  
Acq: 20 Mar 2020 19:13

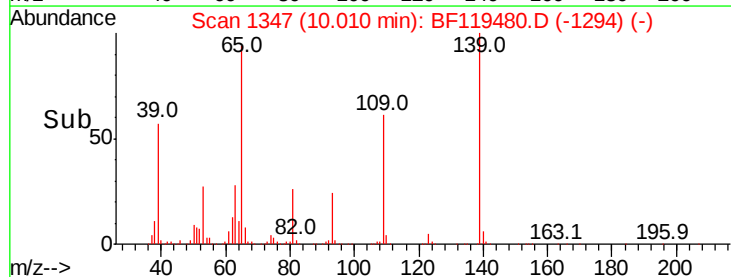
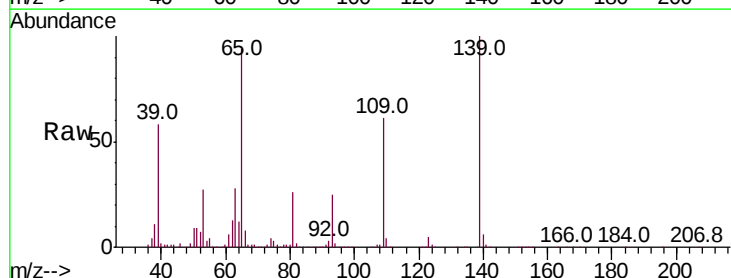
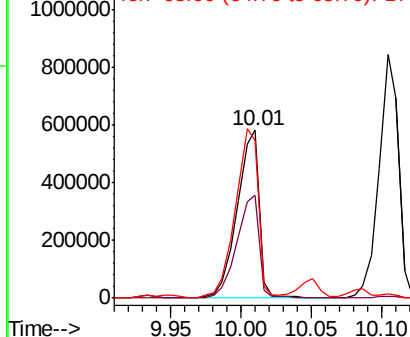
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 61.4  | 39.6  | 79.6  |
| 65      | 94.2  | 78.3  | 118.3 |

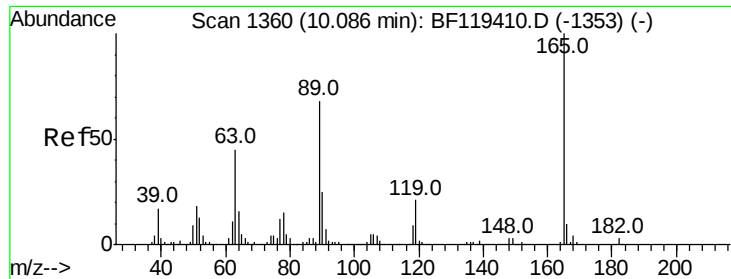
Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





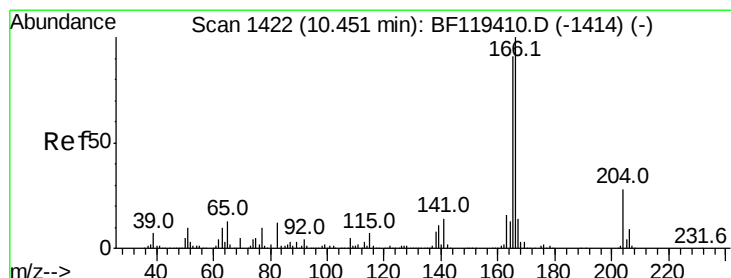
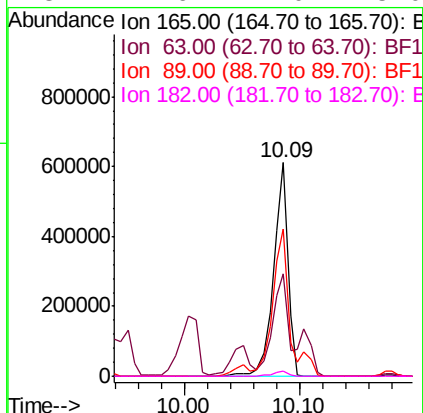
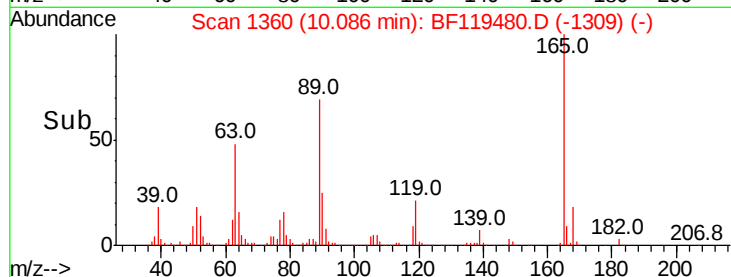
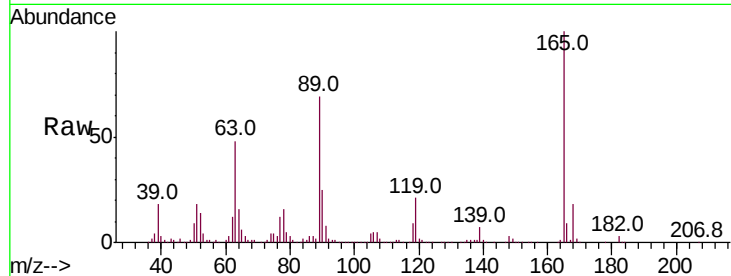
#57  
2,4-Dinitrotoluene  
Concen: 48.165 ng  
RT: 10.09 min Scan# 1360  
Delta R.T. -0.00 min  
Lab File: BF119480.D  
Acq: 20 Mar 2020 19:13

Instrument :  
BNA\_F  
ClientSampleId :  
BU-02-031920MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 533272 |       |       |
| 63      | 47.9  | 36.2   | 54.4  |       |
| 89      | 68.9  | 54.3   | 81.5  |       |
| 182     | 2.6   | 2.0    | 3.0   |       |

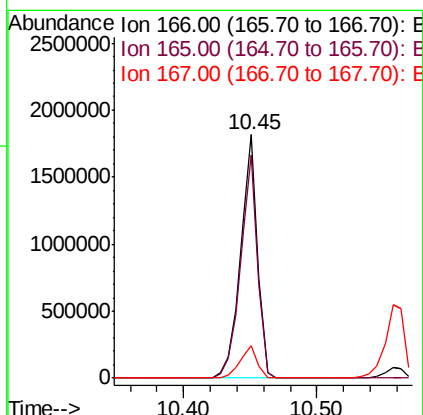
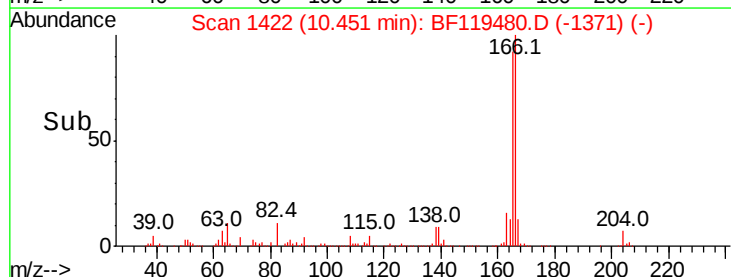
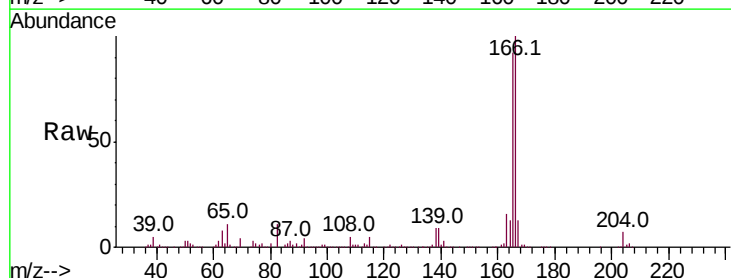
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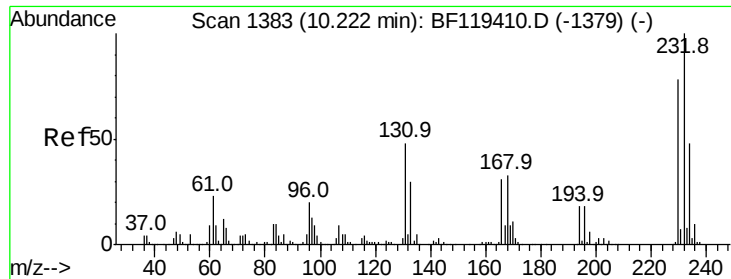
mohammad  
3/23/2020 9:40:51 AM



#58  
Fluorene  
Concen: 41.595 ng  
RT: 10.45 min Scan# 1422  
Delta R.T. -0.00 min  
Lab File: BF119480.D  
Acq: 20 Mar 2020 19:13

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 166     | 100   | 1590045 |       |       |
| 165     | 91.8  | 73.1    | 109.7 |       |
| 167     | 13.5  | 11.0    | 16.6  |       |





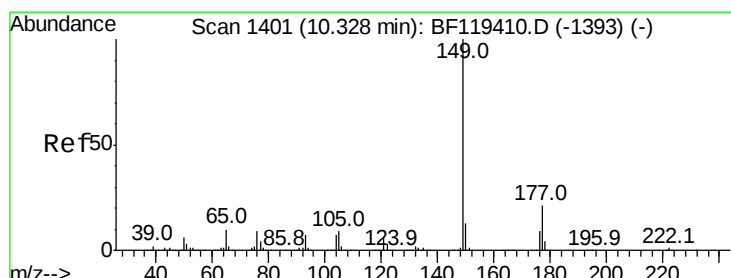
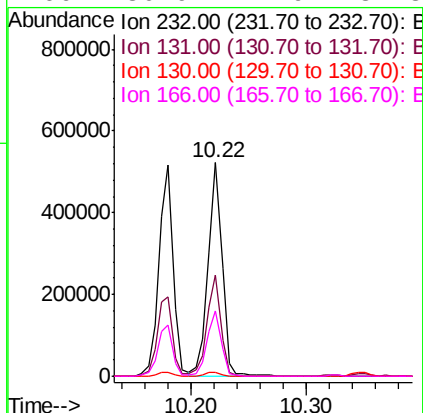
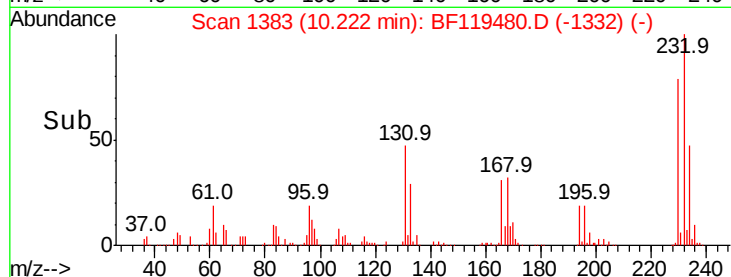
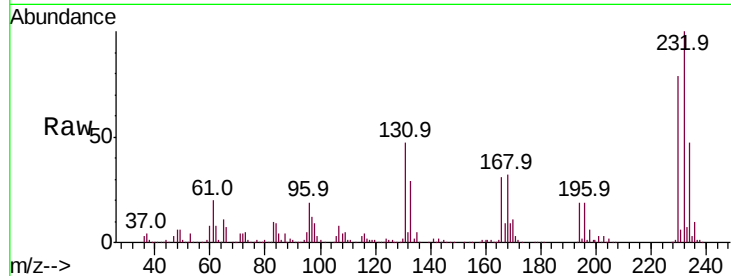
#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 43.860 ng  
 RT: 10.22 min Scan# 1383  
 Delta R.T. -0.00 min  
 Lab File: BF119480.D  
 Acq: 20 Mar 2020 19:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 BU-02-031920MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 46.4  | 36.3  | 54.5  |
| 130     | 2.1   | 1.8   | 2.6   |
| 166     | 30.9  | 24.9  | 37.3  |

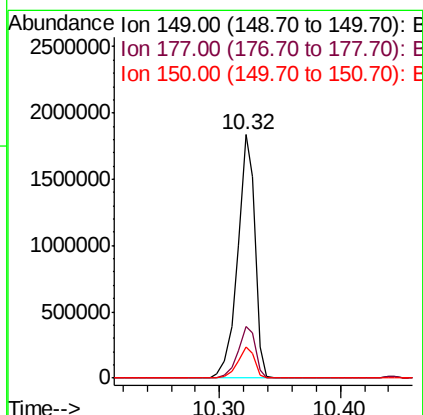
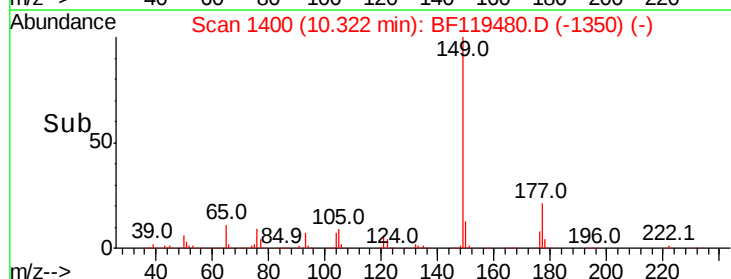
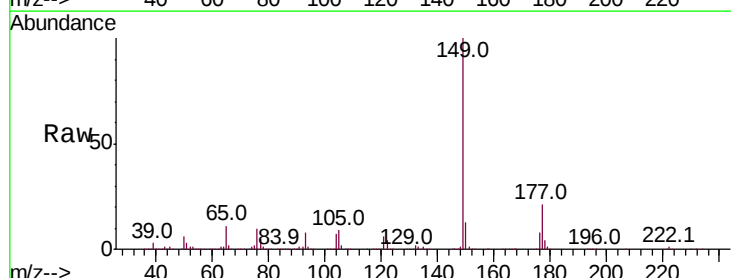
Manual Integrations  
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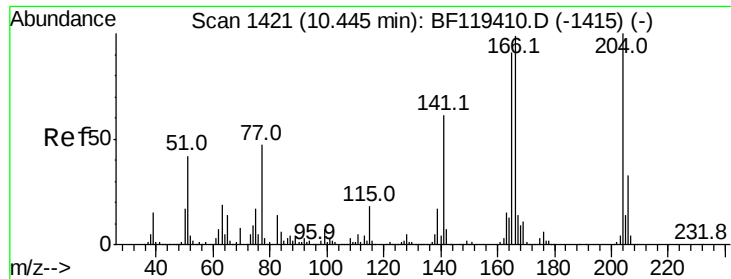
mohammad  
 3/23/2020 9:40:51 AM



#60  
 Diethylphthalate  
 Concen: 43.809 ng  
 RT: 10.32 min Scan# 1400  
 Delta R.T. -0.01 min  
 Lab File: BF119480.D  
 Acq: 20 Mar 2020 19:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 21.0  | 17.0  | 25.6  |
| 150     | 12.9  | 10.2  | 15.4  |





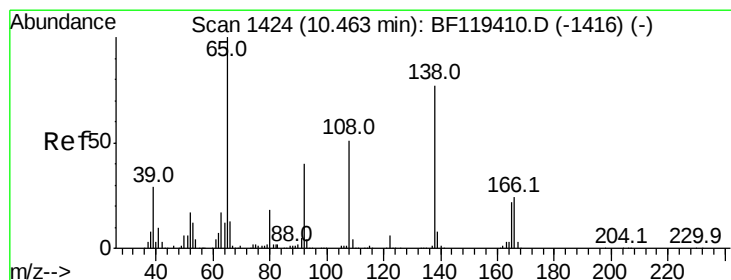
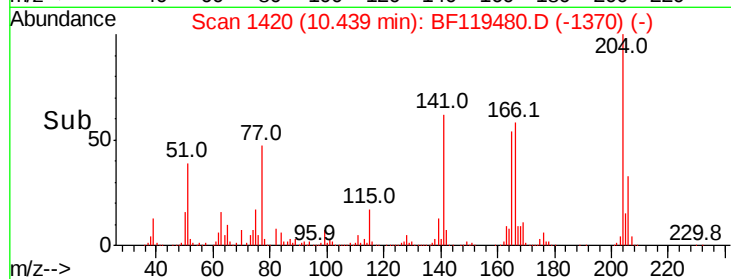
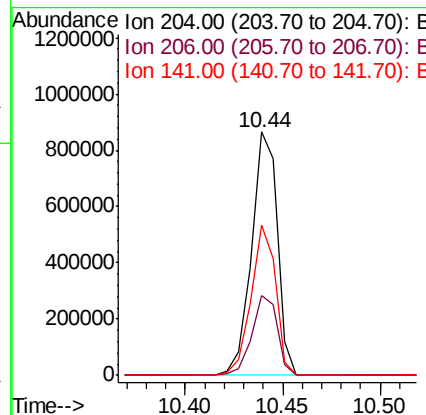
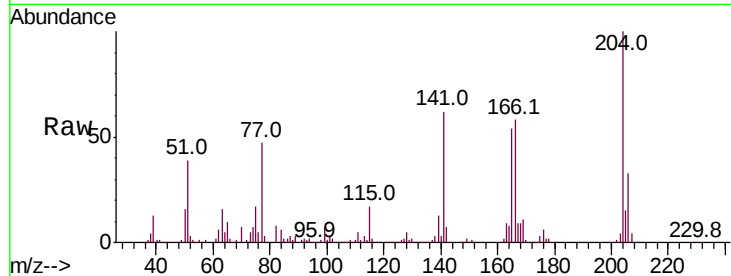
#61  
4-Chlorophenyl-phenylether  
Concen: 42.284 ng  
RT: 10.44 min Scan# 1420  
Delta R.T. -0.01 min  
Lab File: BF119480.D  
Acq: 20 Mar 2020 19:13

Instrument :  
BNA\_F  
ClientSampleId :  
BU-02-031920MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 32.8  | 26.7  | 40.1  |
| 141     | 61.7  | 48.8  | 73.2  |

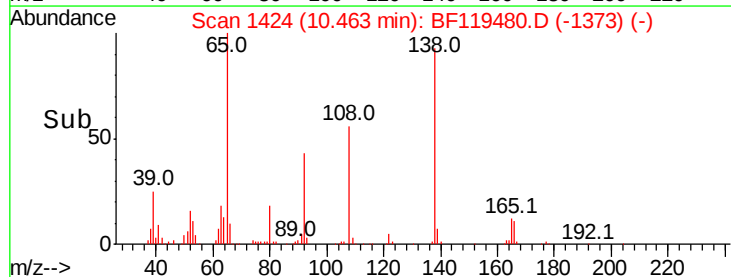
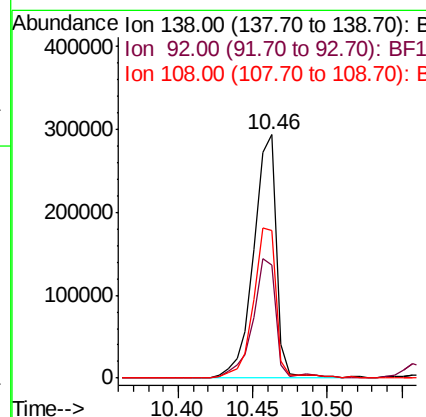
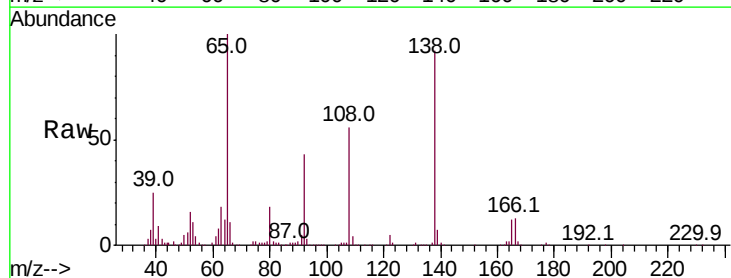
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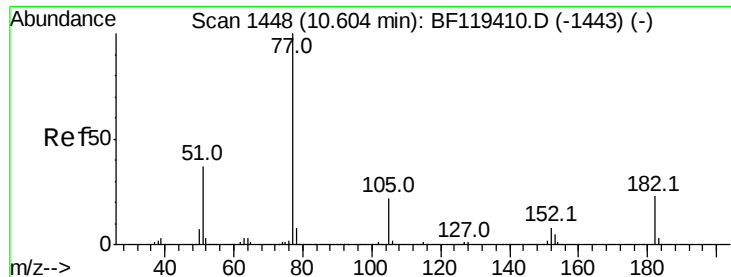
mohammad  
3/23/2020 9:40:51 AM



#62  
4-Nitroaniline  
Concen: 29.225 ng  
RT: 10.46 min Scan# 1424  
Delta R.T. -0.00 min  
Lab File: BF119480.D  
Acq: 20 Mar 2020 19:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 46.6  | 32.0  | 72.0  |
| 108     | 60.7  | 46.0  | 86.0  |





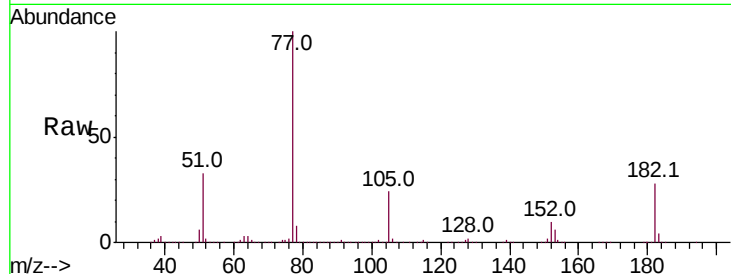
#63  
Azobenzene  
Concen: 40.890 ng  
RT: 10.60 min Scan# 1448  
Delta R.T. -0.00 min  
Lab File: BF119480.D  
Acq: 20 Mar 2020 19:13

Instrument :  
BNA\_F  
ClientSampleId :  
BU-02-031920MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 27.7  | 2.5   | 42.5  |
| 105     | 23.9  | 2.5   | 42.5  |
| 51      | 33.2  | 17.1  | 57.1  |

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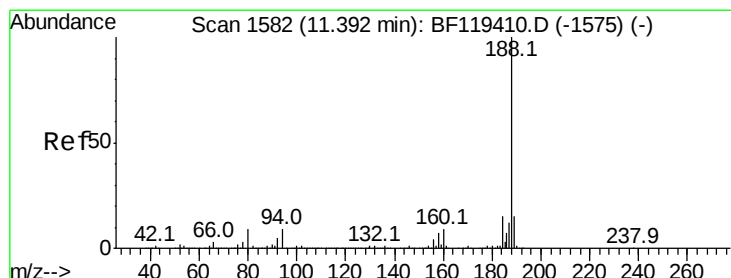
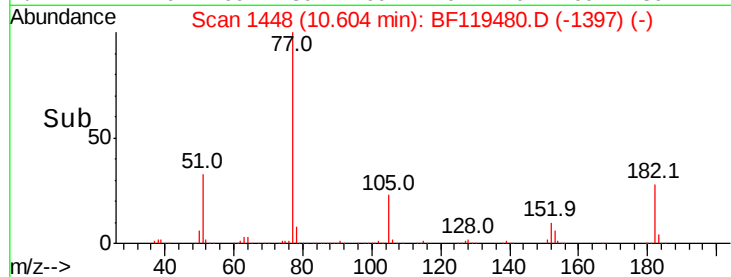
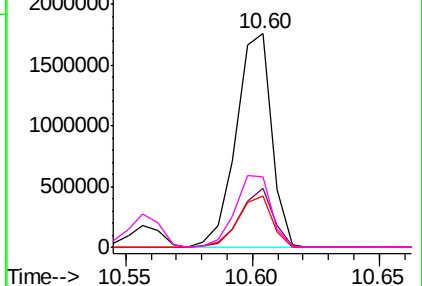
Abundance

Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.39 min Scan# 1581  
Delta R.T. -0.01 min  
Lab File: BF119480.D  
Acq: 20 Mar 2020 19:13

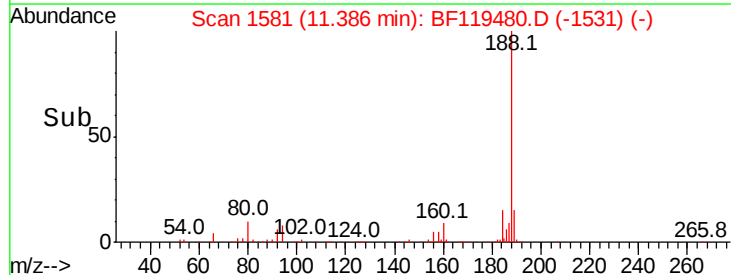
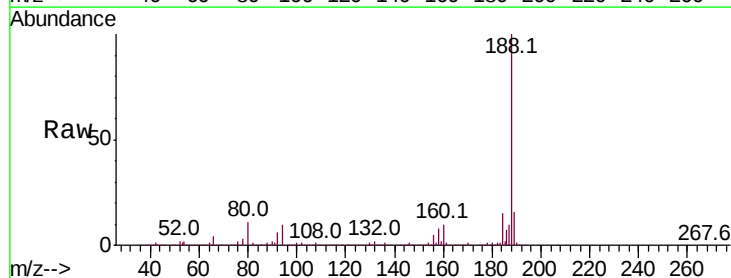
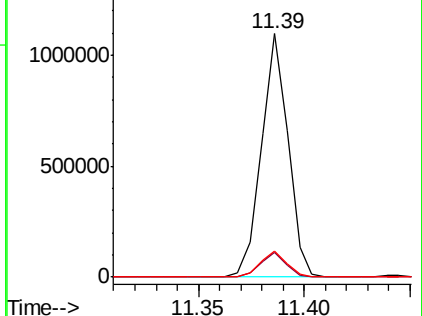
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 10.0  | 7.1   | 10.7  |
| 80      | 10.6  | 7.5   | 11.3  |

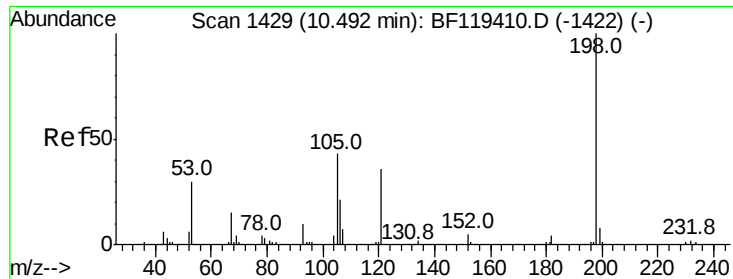
Abundance

Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 29.179 ng

RT: 10.49 min Scan# 1429

Delta R.T. -0.00 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

Instrument :

BNA\_F

ClientSampleId :

BU-02-031920MSD

Tot Ion:198 Resp: 117896

Ion Ratio Lower Upper

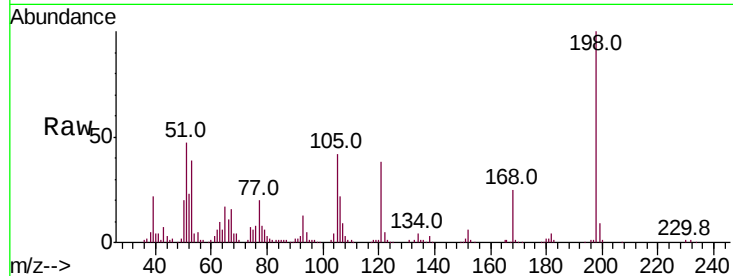
198 100

51 47.5 33.1 73.1

105 41.9 24.1 64.1

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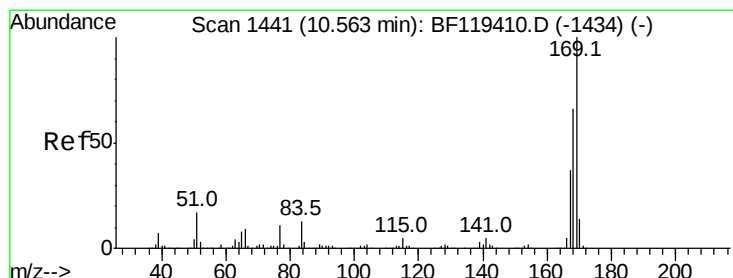
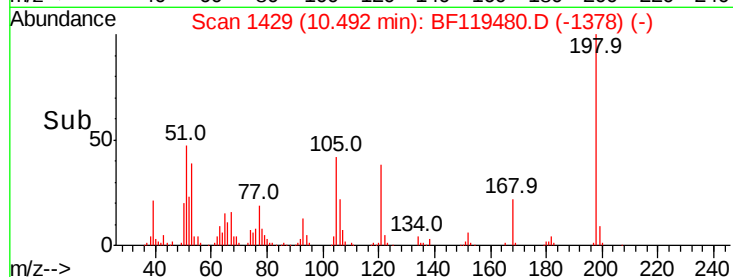
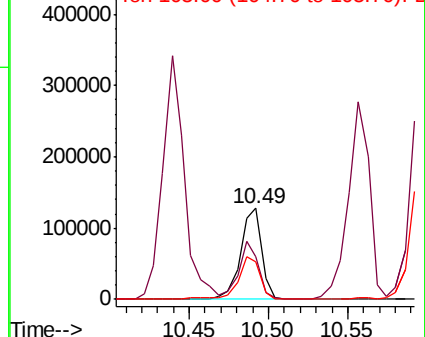
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Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 47.162 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.01 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

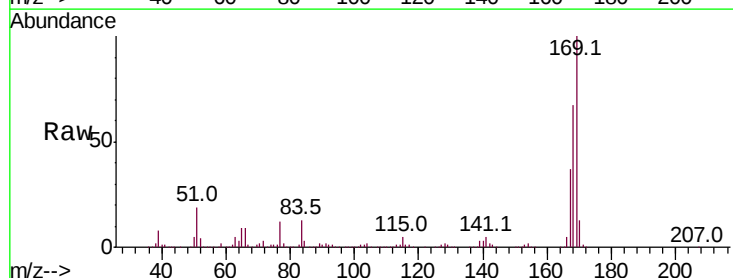
Tgt Ion:169 Resp: 1491826

Ion Ratio Lower Upper

169 100

168 66.9 52.7 79.1

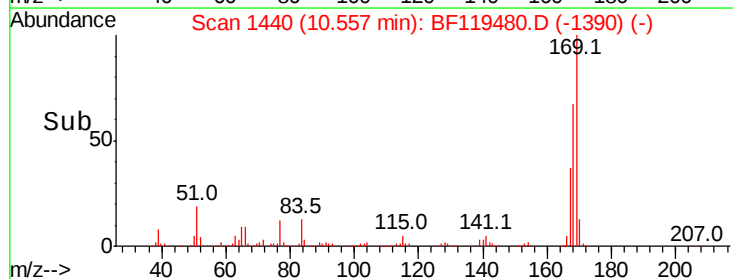
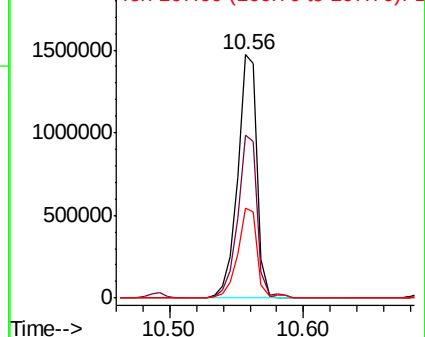
167 37.1 29.3 43.9

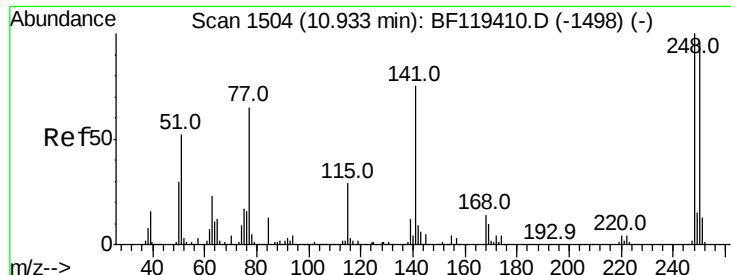


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





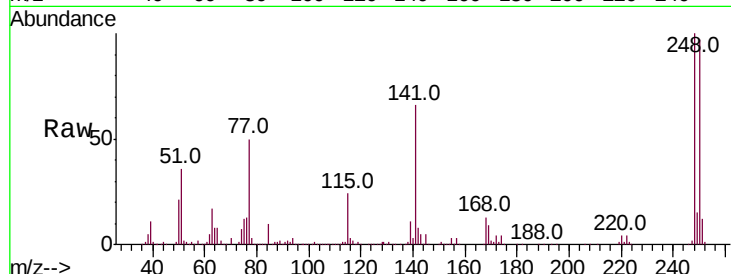
#67  
4-Bromophenyl-phenylether  
Concen: 45.417 ng  
RT: 10.93 min Scan# 1504  
Delta R.T. -0.00 min  
Lab File: BF119480.D  
Acq: 20 Mar 2020 19:13

Instrument :  
BNA\_F  
ClientSampleId :  
BU-02-031920MSD

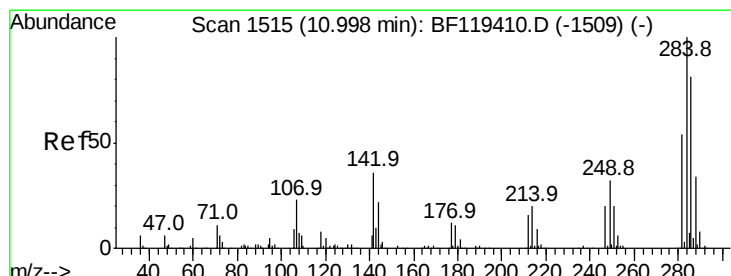
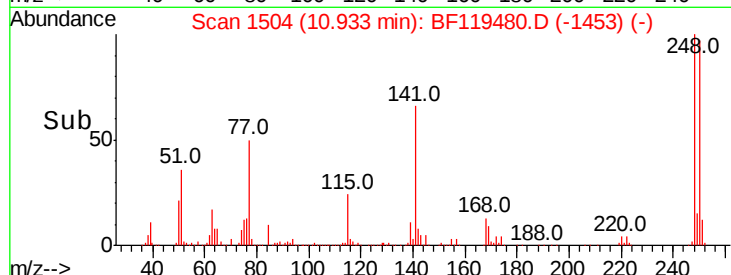
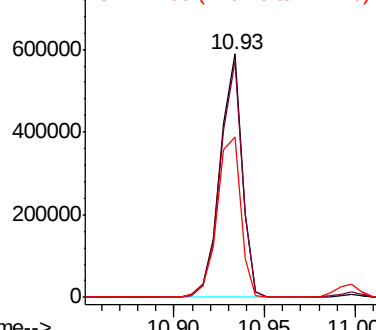
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 96.9  | 77.0  | 115.6 |
| 141     | 65.8  | 59.7  | 89.5  |

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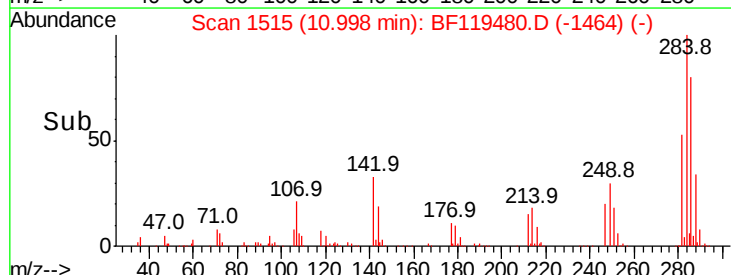
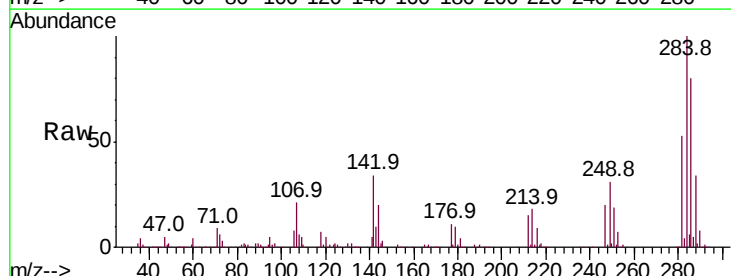
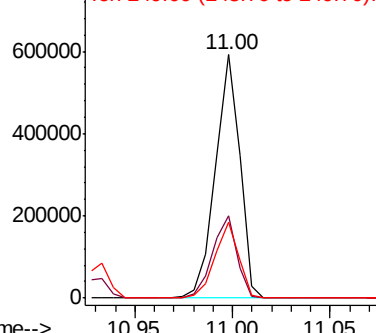
Abundance Ion 248.00 (247.70 to 248.70): E  
800000 Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

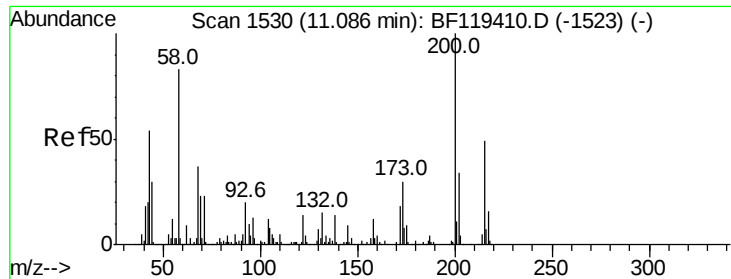


#68  
Hexachlorobenzene  
Concen: 45.752 ng  
RT: 11.00 min Scan# 1515  
Delta R.T. -0.00 min  
Lab File: BF119480.D  
Acq: 20 Mar 2020 19:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 33.8  | 28.7  | 43.1  |
| 249     | 31.2  | 25.4  | 38.0  |

Abundance Ion 283.80 (283.50 to 284.50): E  
800000 Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E





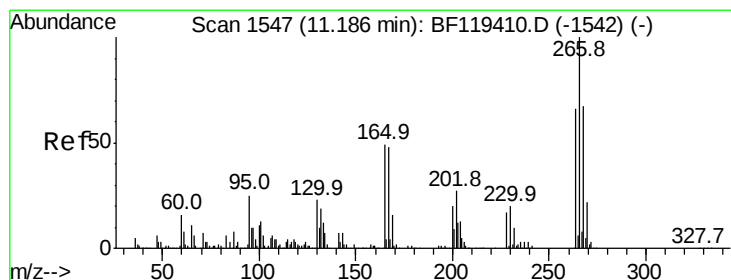
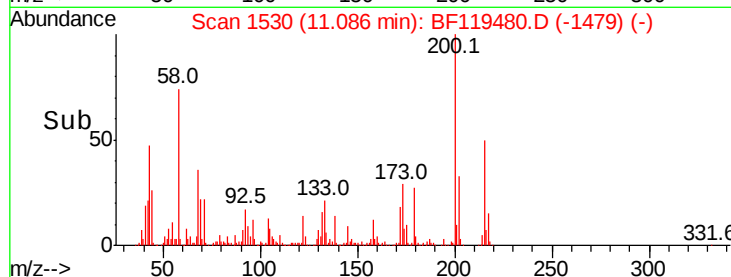
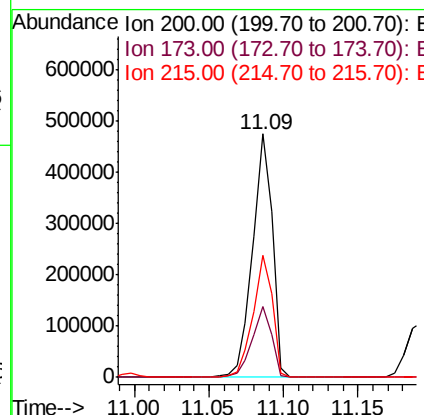
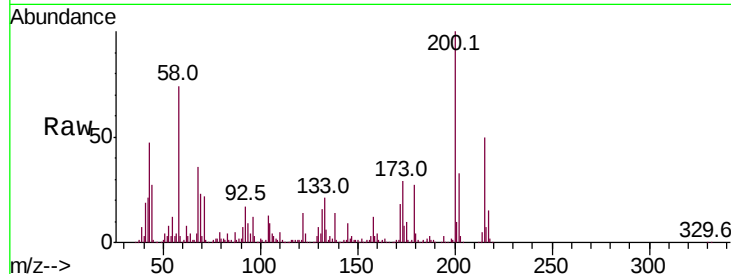
#69  
Atrazine  
Concen: 49.980 ng  
RT: 11.09 min Scan# 1530  
Delta R.T. -0.00 min  
Lab File: BF119480.D  
Acq: 20 Mar 2020 19:13

Instrument :  
BNA\_F  
ClientSampleId :  
BU-02-031920MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 29.2  | 9.9   | 49.9  |
| 215     | 49.9  | 29.4  | 69.4  |

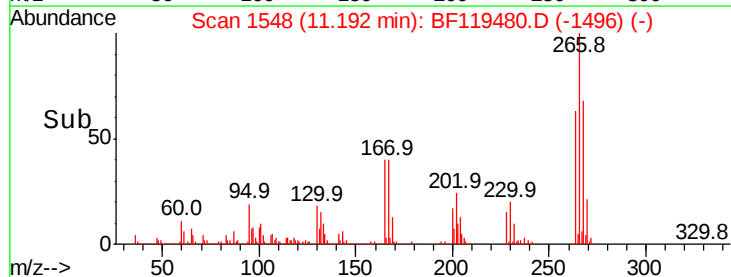
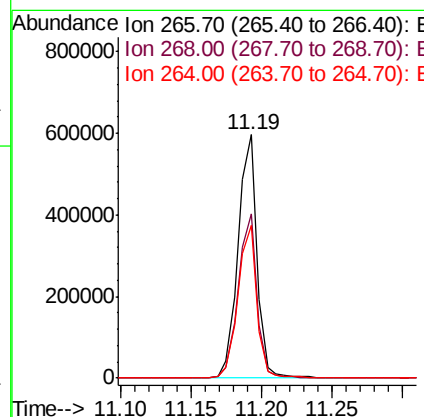
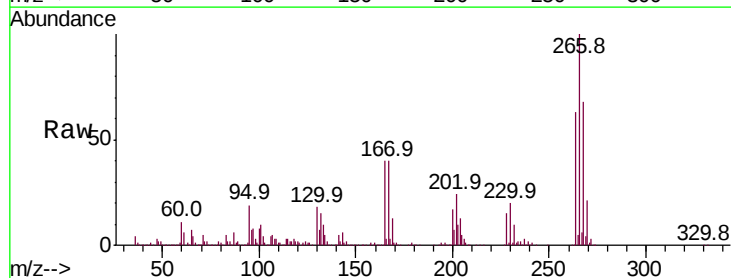
Manual Integrations  
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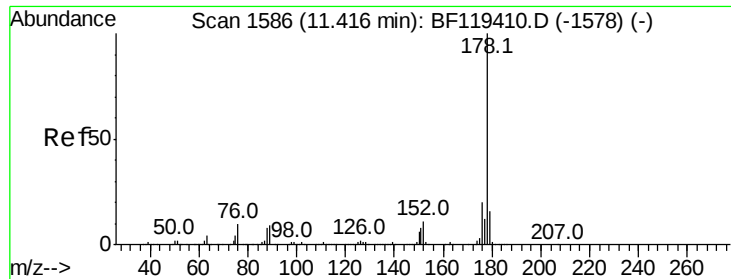
mohammad  
3/23/2020 9:40:51 AM



#70  
Pentachlorophenol  
Concen: 84.735 ng  
RT: 11.19 min Scan# 1548  
Delta R.T. 0.01 min  
Lab File: BF119480.D  
Acq: 20 Mar 2020 19:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 67.6  | 53.7  | 80.5  |
| 264     | 62.5  | 52.5  | 78.7  |





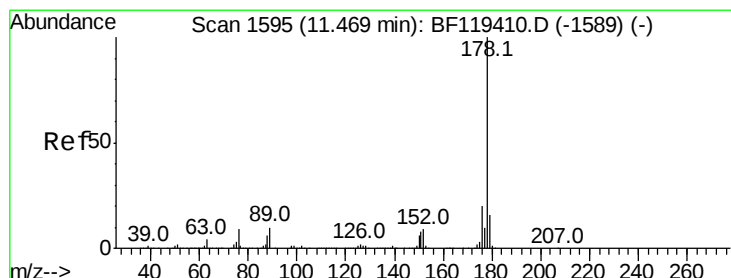
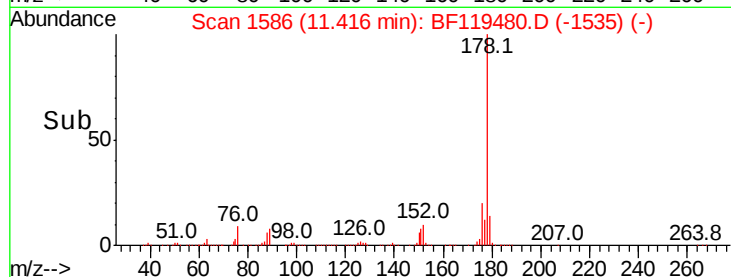
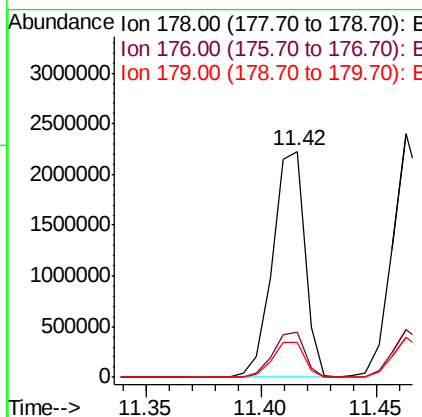
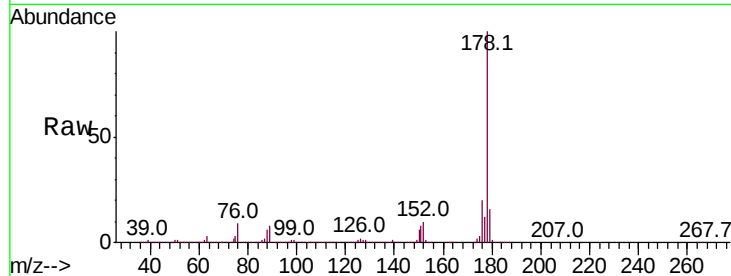
#71  
Phenanthrene  
Concen: 43.249 ng  
RT: 11.42 min Scan# 1586  
Delta R.T. -0.00 min  
Lab File: BF119480.D  
Acq: 20 Mar 2020 19:13

Instrument :  
BNA\_F  
ClientSampleId :  
BU-02-031920MSD

Tot Ion:178 Resp: 2160855  
Ion Ratio Lower Upper  
178 100  
176 20.1 16.2 24.4  
179 15.7 12.9 19.3

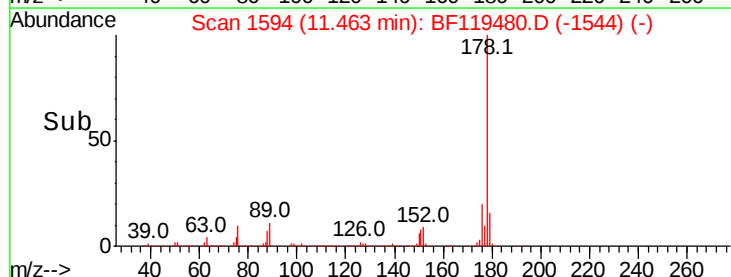
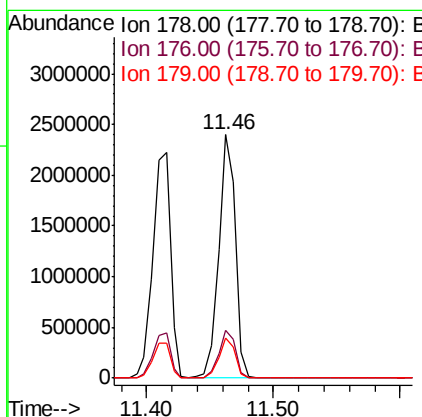
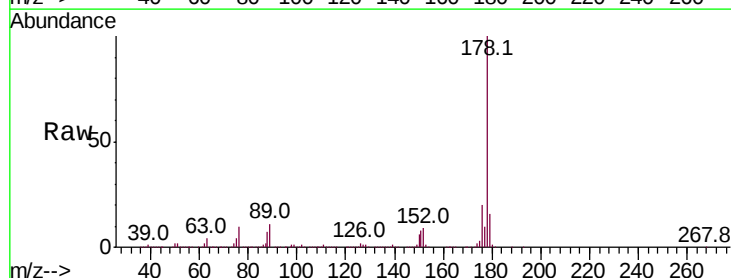
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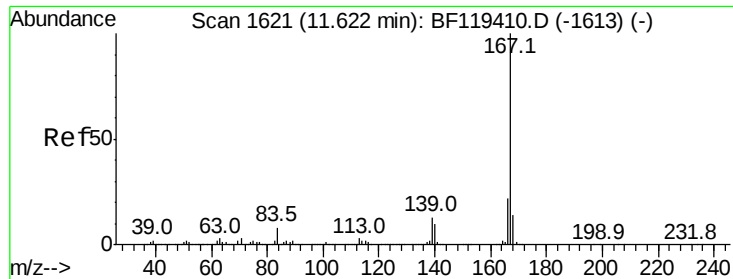
mohammad  
3/23/2020 9:40:51 AM



#72  
Anthracene  
Concen: 43.518 ng  
RT: 11.46 min Scan# 1594  
Delta R.T. -0.01 min  
Lab File: BF119480.D  
Acq: 20 Mar 2020 19:13

Tgt Ion:178 Resp: 2209820  
Ion Ratio Lower Upper  
178 100  
176 19.5 15.6 23.4  
179 16.3 13.1 19.7





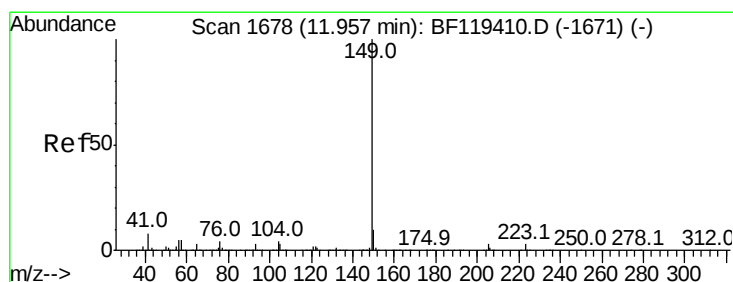
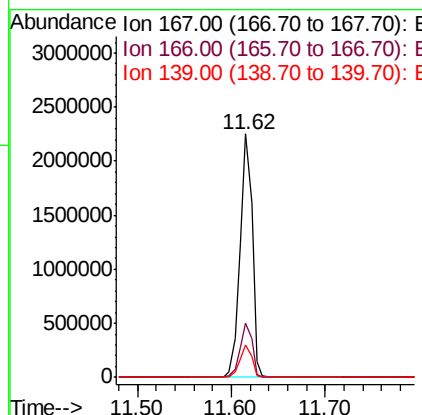
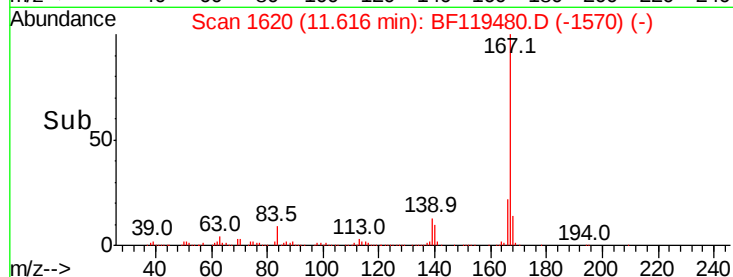
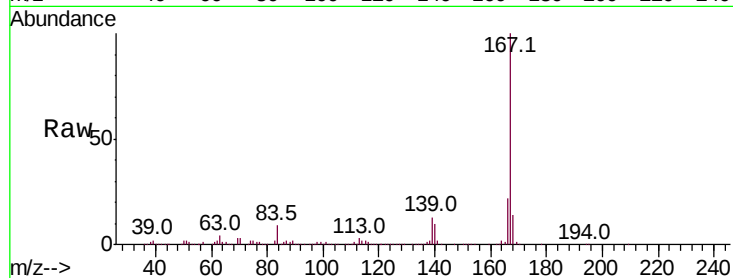
#73  
 Carbazole  
 Concen: 40.166 ng  
 RT: 11.62 min Scan# 1620  
 Delta R.T. -0.01 min  
 Lab File: BF119480.D  
 Acq: 20 Mar 2020 19:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 BU-02-031920MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 22.3  | 17.8  | 26.6  |
| 139     | 13.3  | 10.2  | 15.4  |

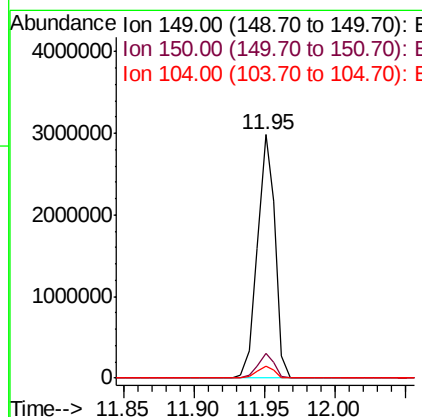
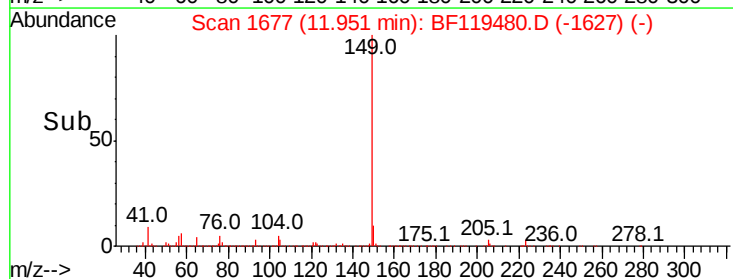
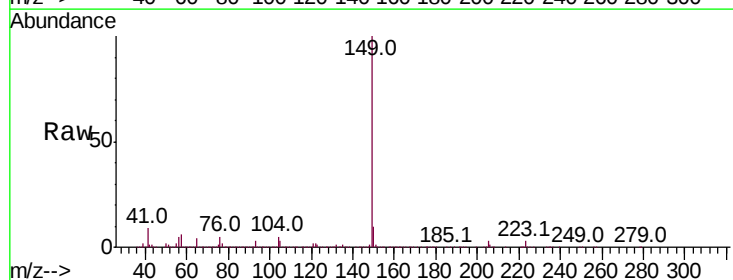
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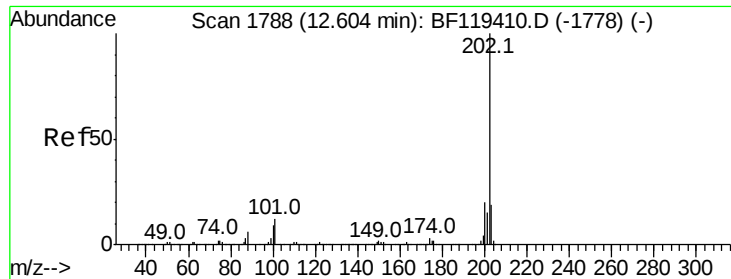
mohammad  
 3/23/2020 9:40:51 AM



#74  
 Di-n-butylphthalate  
 Concen: 48.670 ng  
 RT: 11.95 min Scan# 1677  
 Delta R.T. -0.01 min  
 Lab File: BF119480.D  
 Acq: 20 Mar 2020 19:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 10.1  | 7.6   | 11.4  |
| 104     | 4.9   | 3.5   | 5.3   |





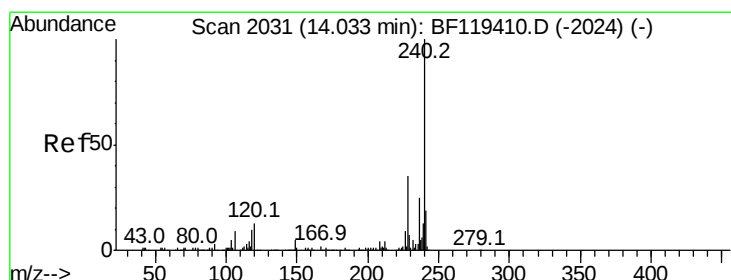
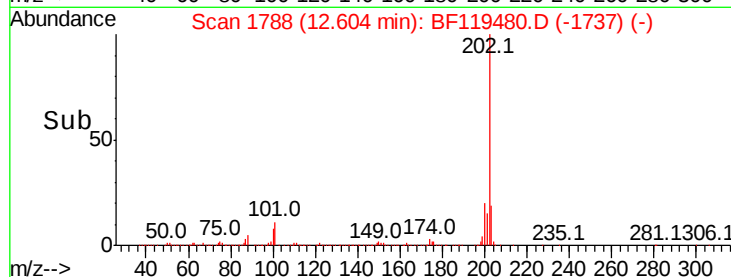
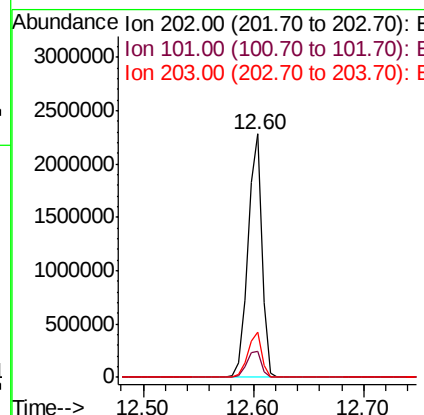
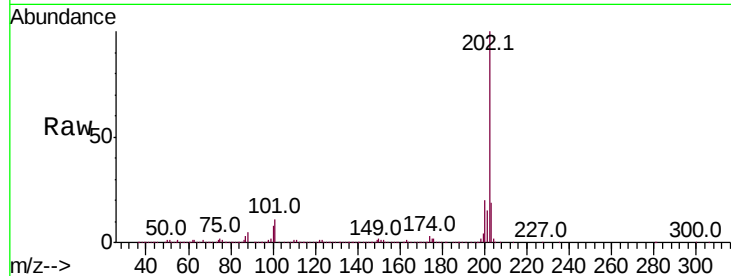
#75  
 Fluoranthene  
 Concen: 37.480 ng  
 RT: 12.60 min Scan# 1788  
 Delta R.T. -0.00 min  
 Lab File: BF119480.D  
 Acq: 20 Mar 2020 19:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 BU-02-031920MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 10.7  | 0.0   | 32.4  |
| 203     | 18.6  | 0.0   | 38.5  |

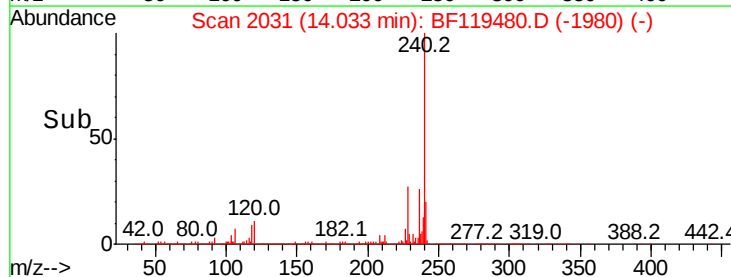
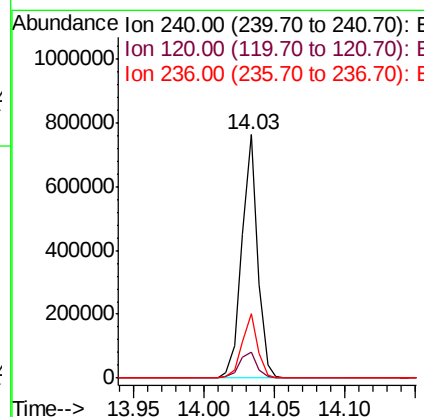
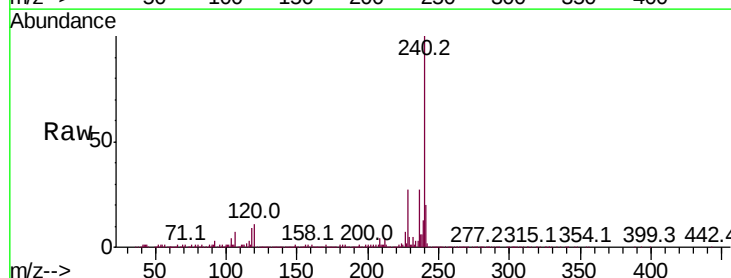
Manual Integrations  
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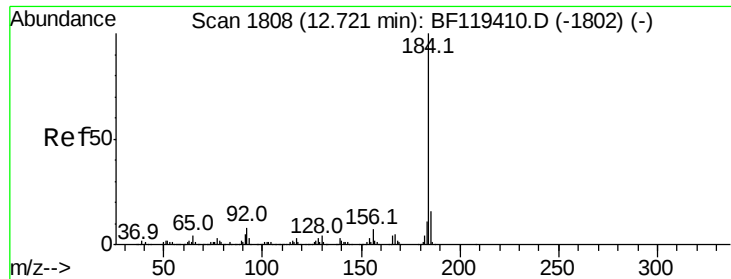
mohammad  
 3/23/2020 9:40:51 AM



#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 14.03 min Scan# 2031  
 Delta R.T. -0.00 min  
 Lab File: BF119480.D  
 Acq: 20 Mar 2020 19:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 10.6  | 10.2  | 15.4  |
| 236     | 26.5  | 20.4  | 30.6  |





#77

Benzidine

Concen: 35.002 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.00 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

Instrument :

BNA\_F

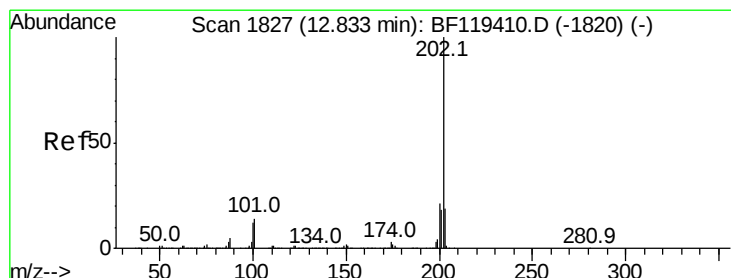
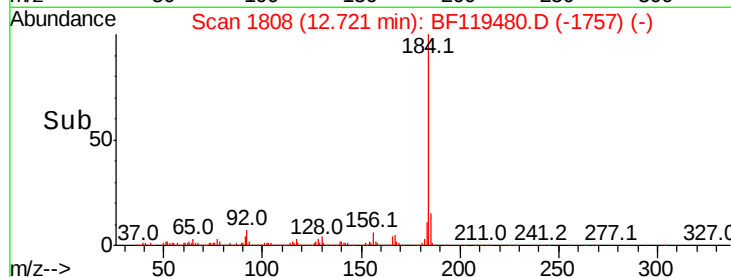
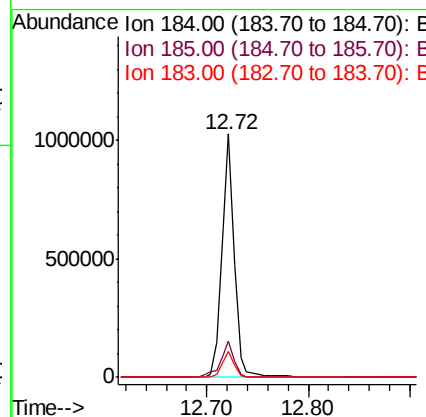
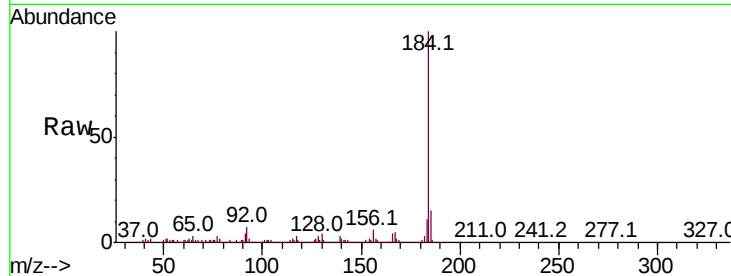
ClientSampleId :

BU-02-031920MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 184   | Resp: | 876847 |
| Ion Ratio | Lower | Upper |        |
| 184       | 100   |       |        |
| 185       | 14.8  | 12.9  | 19.3   |
| 183       | 10.7  | 9.0   | 13.4   |

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#78

Pyrene

Concen: 41.527 ng

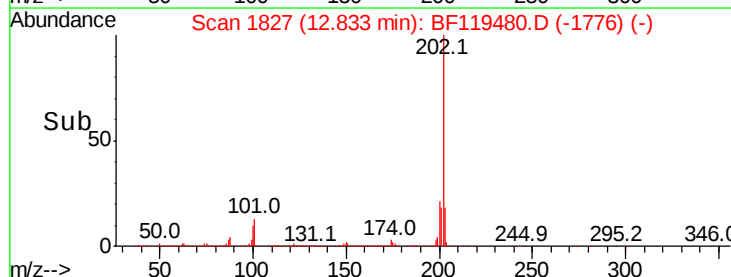
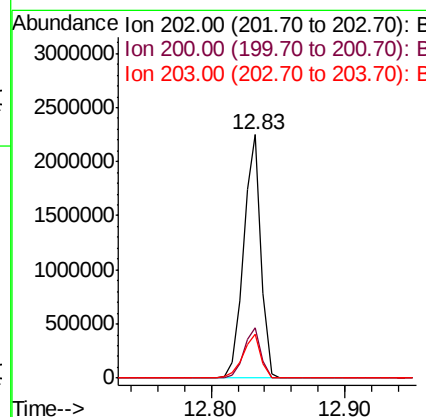
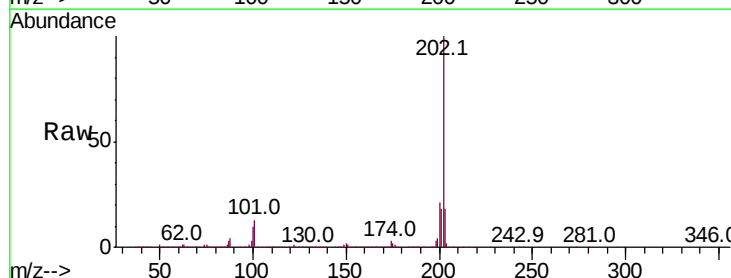
RT: 12.83 min Scan# 1827

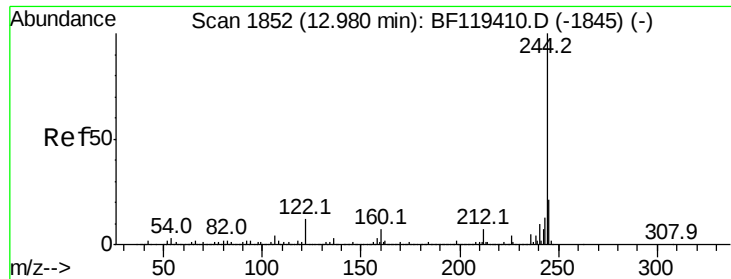
Delta R.T. -0.00 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 202   | Resp: | 2017428 |
| Ion Ratio | Lower | Upper |         |
| 202       | 100   |       |         |
| 200       | 20.7  | 16.8  | 25.2    |
| 203       | 17.9  | 14.8  | 22.2    |





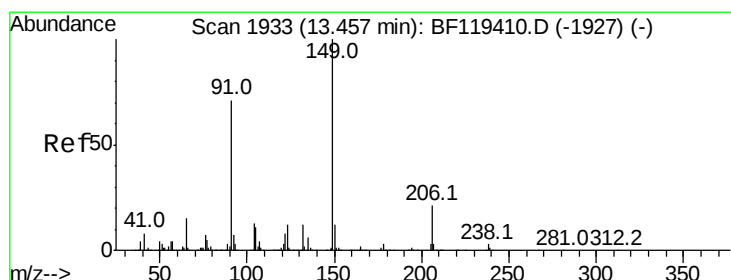
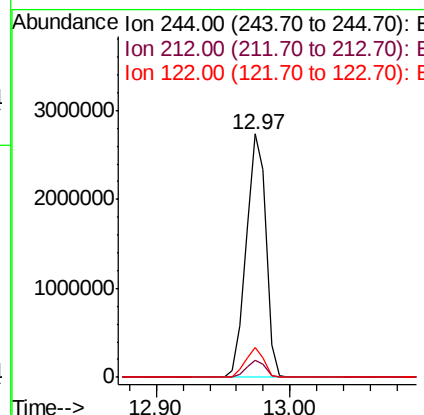
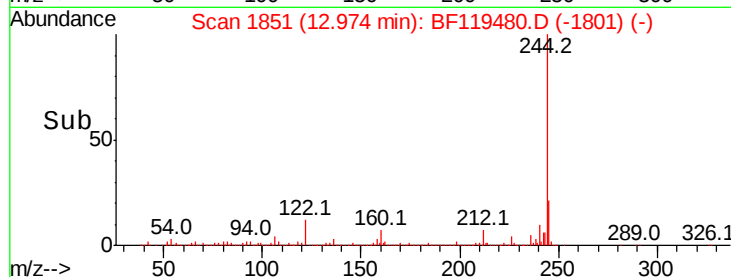
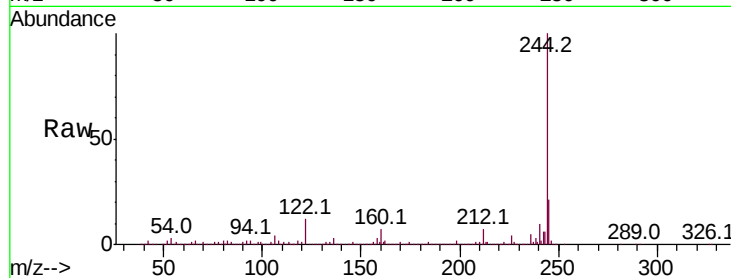
#79  
 Terphenyl-d14  
 Concen: 91.457 ng  
 RT: 12.97 min Scan# 1851  
 Delta R.T. -0.01 min  
 Lab File: BF119480.D  
 Acq: 20 Mar 2020 19:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 BU-02-031920MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 6.9   | 5.7   | 8.5   |
| 122     | 12.4  | 9.8   | 14.8  |

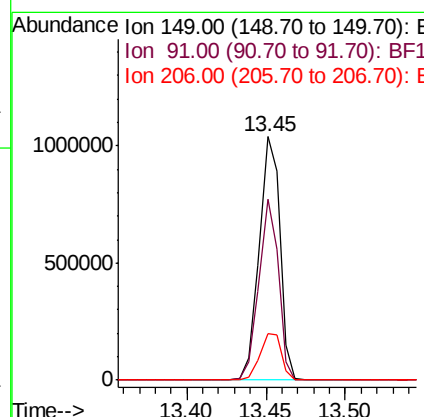
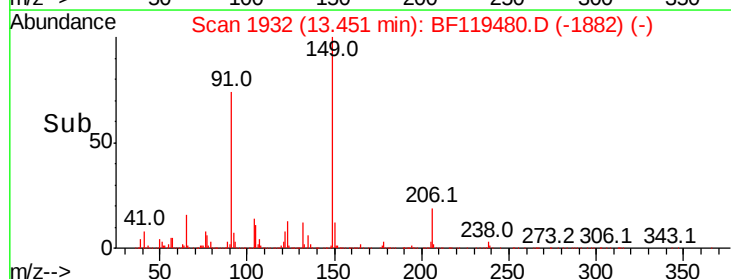
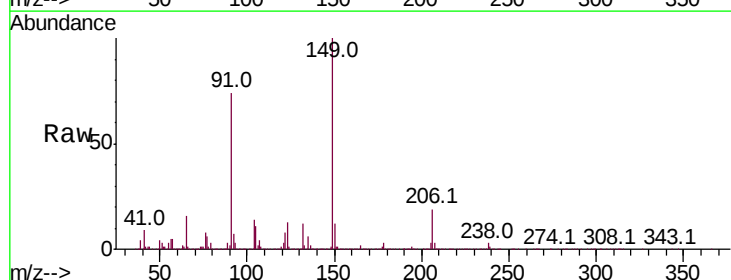
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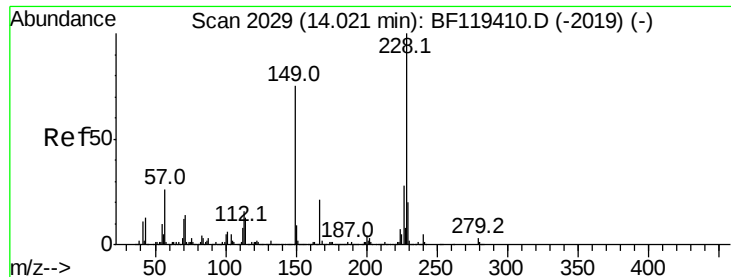
mohammad  
 3/23/2020 9:40:51 AM



#80  
 Butylbenzylphthalate  
 Concen: 47.996 ng  
 RT: 13.45 min Scan# 1932  
 Delta R.T. -0.01 min  
 Lab File: BF119480.D  
 Acq: 20 Mar 2020 19:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 74.3  | 57.0  | 85.6  |
| 206     | 19.1  | 16.4  | 24.6  |





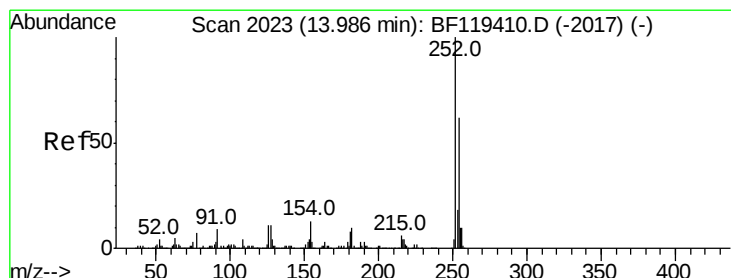
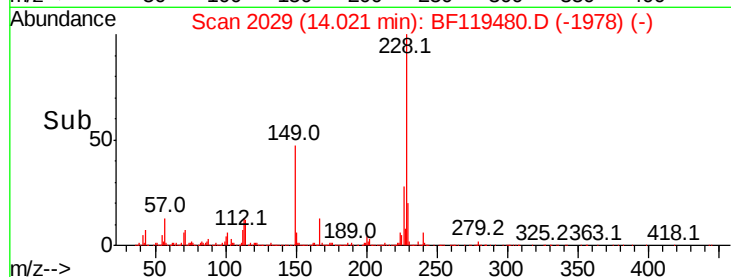
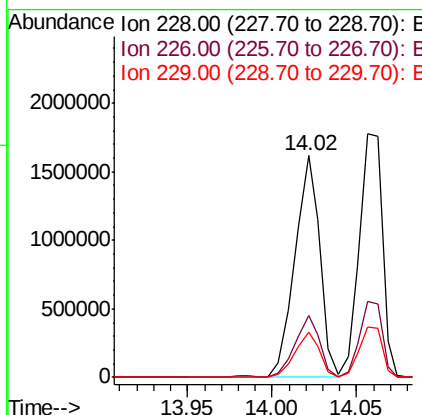
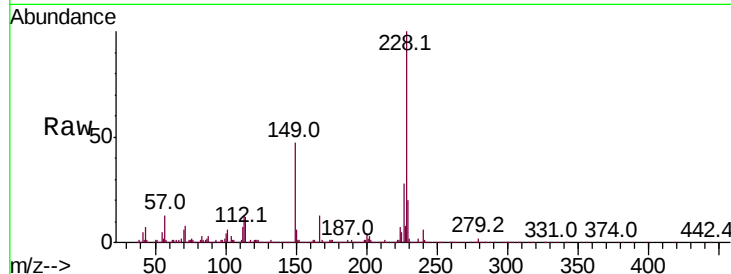
#81  
Benzo(a)anthracene  
Concen: 43.240 ng  
RT: 14.02 min Scan# 2029  
Delta R.T. -0.00 min  
Lab File: BF119480.D  
Acq: 20 Mar 2020 19:13

Instrument :  
BNA\_F  
ClientSampleId :  
BU-02-031920MSD

Tot Ion:228 Resp: 1664489  
Ion Ratio Lower Upper  
228 100  
226 27.7 22.3 33.5  
229 20.5 16.3 24.5

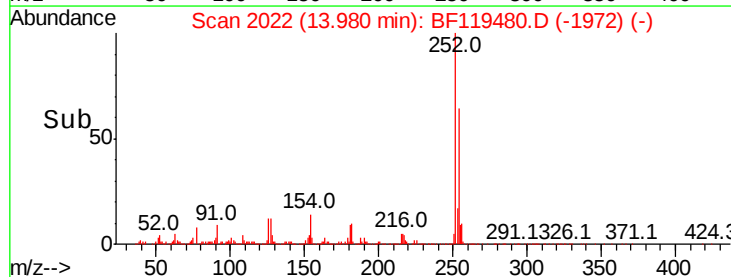
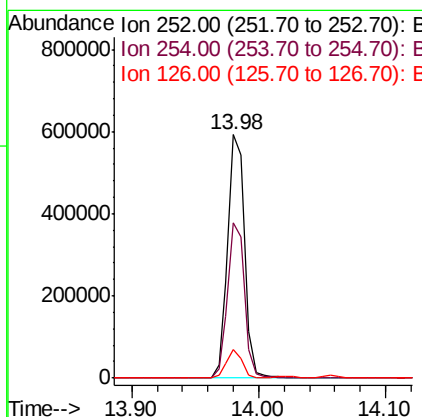
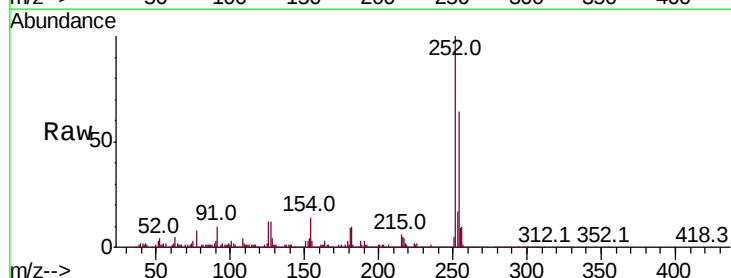
Manual Integrations  
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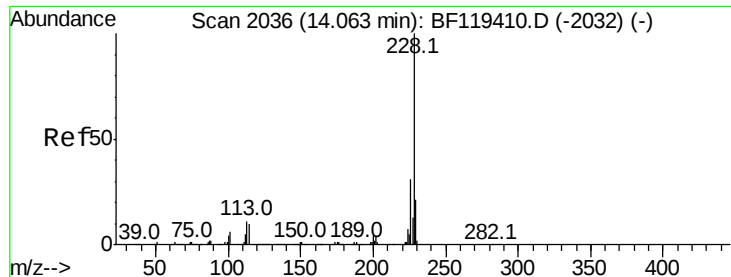
mohammad  
3/23/2020 9:40:51 AM



#82  
3,3'-Dichlorobenzidine  
Concen: 36.084 ng  
RT: 13.98 min Scan# 2022  
Delta R.T. -0.01 min  
Lab File: BF119480.D  
Acq: 20 Mar 2020 19:13

Tgt Ion:252 Resp: 547672  
Ion Ratio Lower Upper  
252 100  
254 63.8 49.8 74.8  
126 11.6 8.9 13.3





#83

Chrysene

Concen: 42.518 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

Instrument :

BNA\_F

ClientSampleId :

BU-02-031920MSD

Tot Ion:228 Resp: 1689108

Ion Ratio Lower Upper

228 100

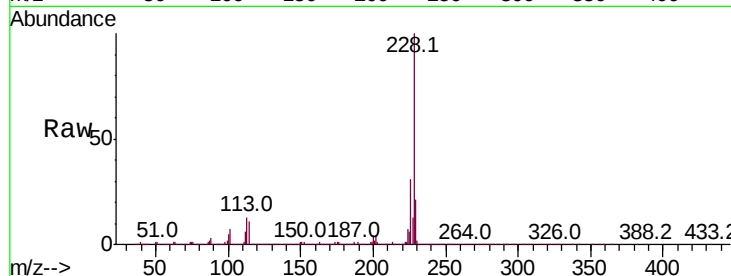
226 31.1 24.8 37.2

229 20.7 16.6 25.0

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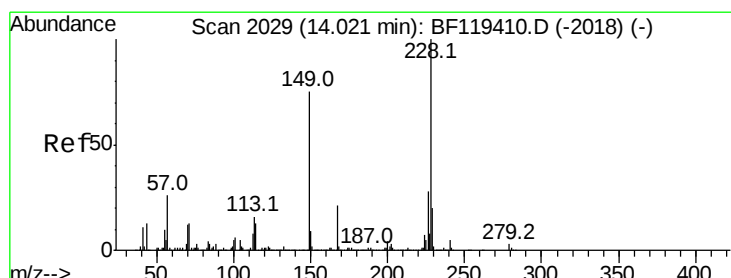
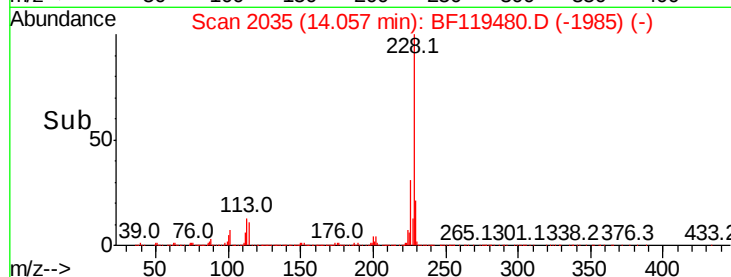
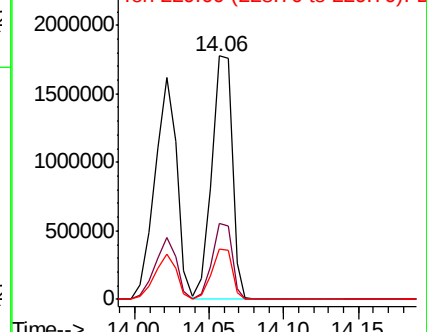
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 51.552 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

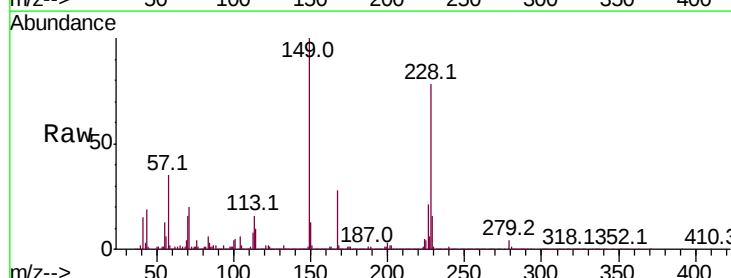
Tgt Ion:149 Resp: 1207502

Ion Ratio Lower Upper

149 100

167 27.7 22.0 33.0

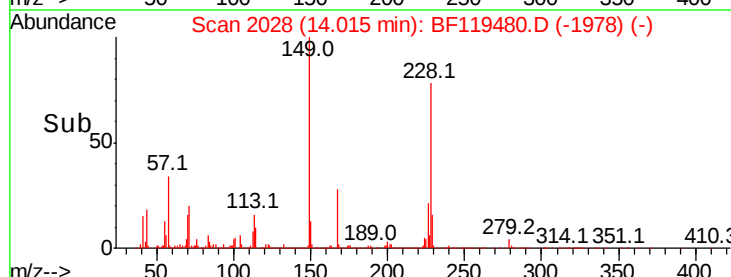
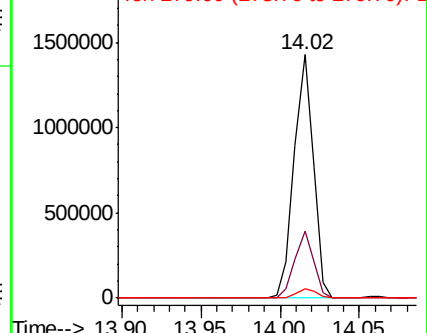
279 3.6 3.2 4.8

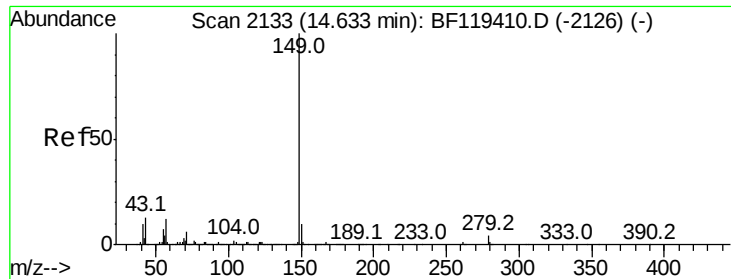


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 52.230 ng

RT: 14.63 min Scan# 2132

Delta R.T. -0.01 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

Instrument :

BNA\_F

ClientSampleId :

BU-02-031920MSD

Tot Ion:149 Resp: 2151587

Ion Ratio Lower Upper

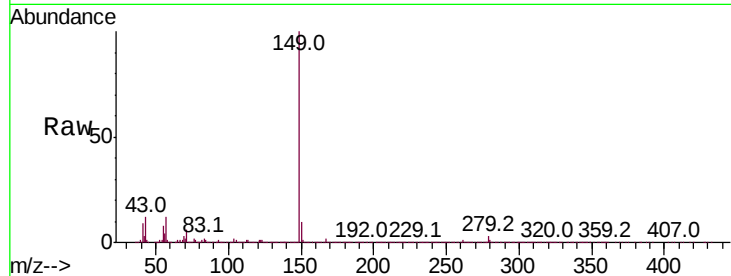
149 100

167 1.6 1.1 1.7

43 11.9 10.1 15.1

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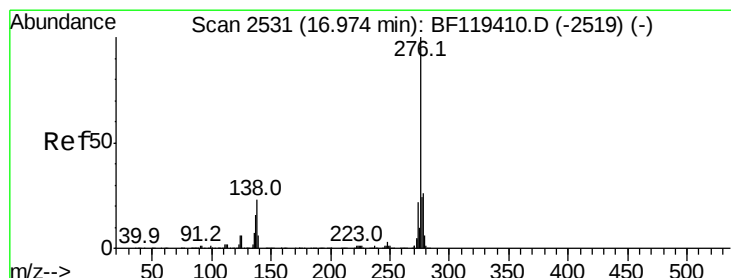
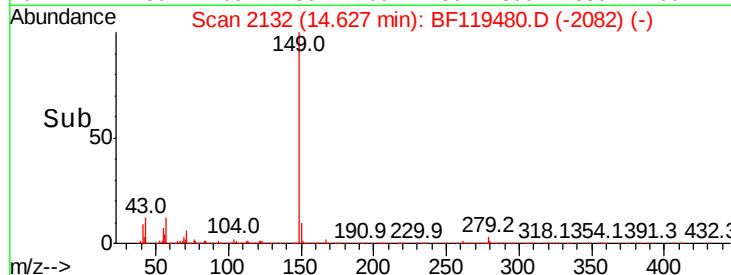
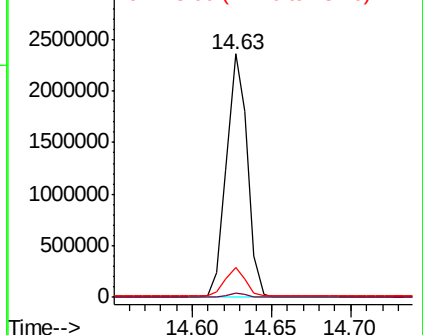


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 51.791 ng

RT: 16.99 min Scan# 2533

Delta R.T. 0.01 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

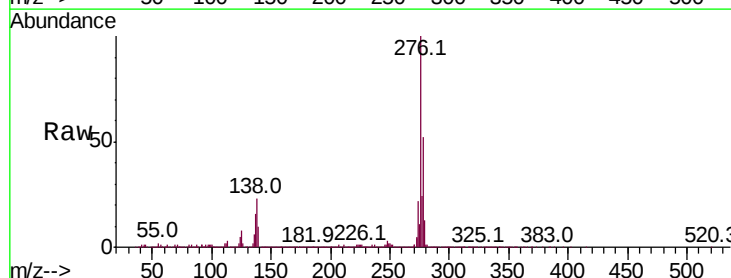
Tgt Ion:276 Resp: 1937754

Ion Ratio Lower Upper

276 100

138 24.9 21.3 31.9

277 25.3 20.2 30.2

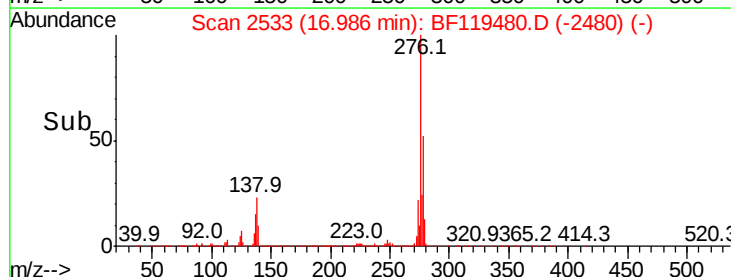
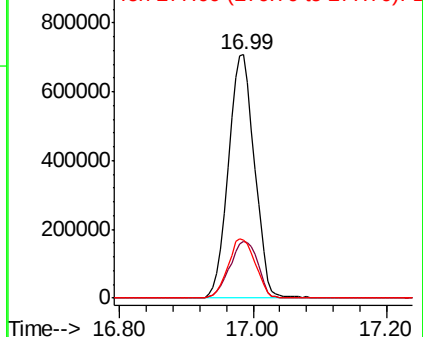


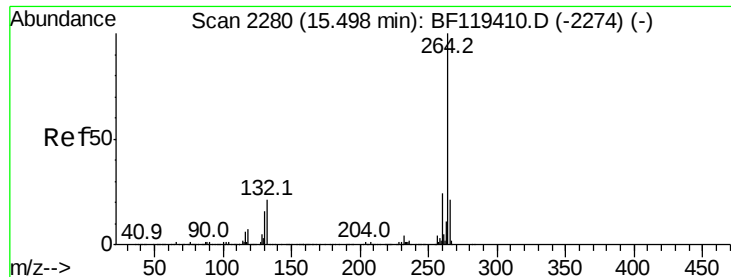
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2281

Delta R.T. 0.01 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

Instrument :

BNA\_F

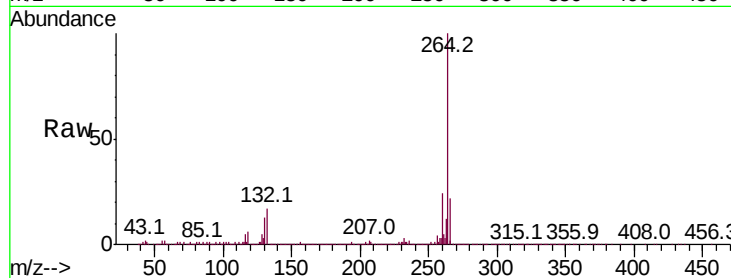
ClientSampleId :

BU-02-031920MSD

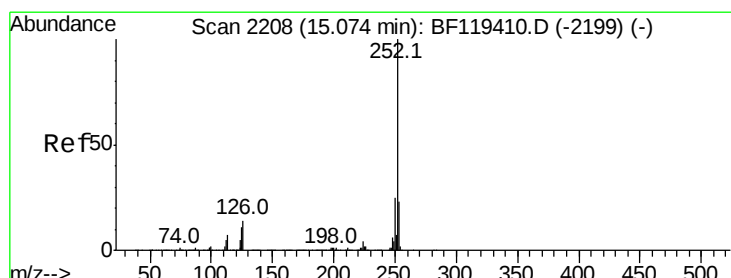
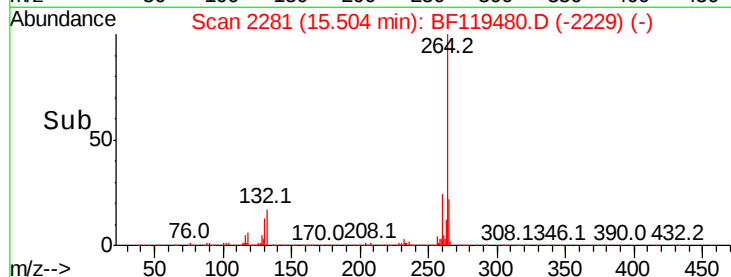
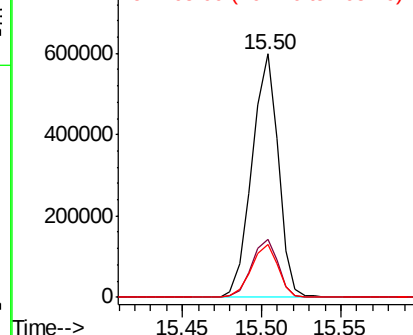
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 264   | Resp: | 690818 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 23.9  | 19.2  | 28.8   |
| 265       | 21.7  | 16.9  | 25.3   |

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Abundance Ion 264.00 (263.70 to 264.70): E  
800000 Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 40.043 ng

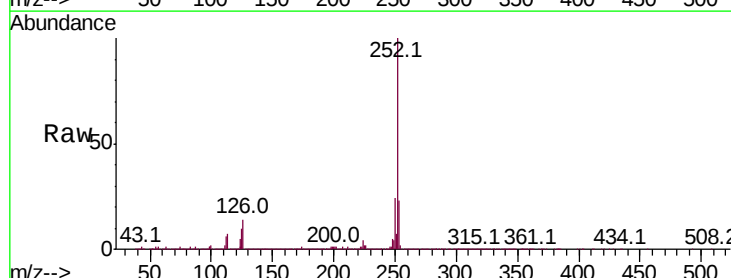
RT: 15.07 min Scan# 2208

Delta R.T. -0.00 min

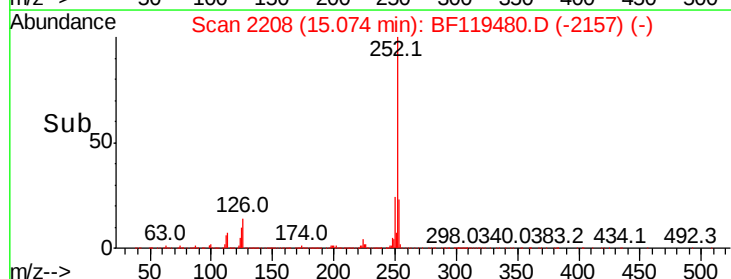
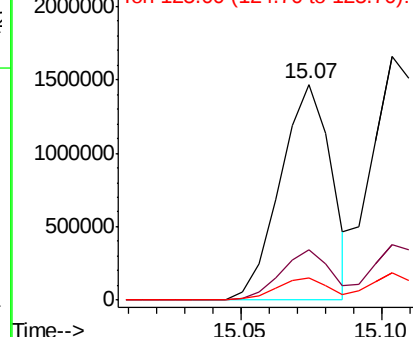
Lab File: BF119480.D

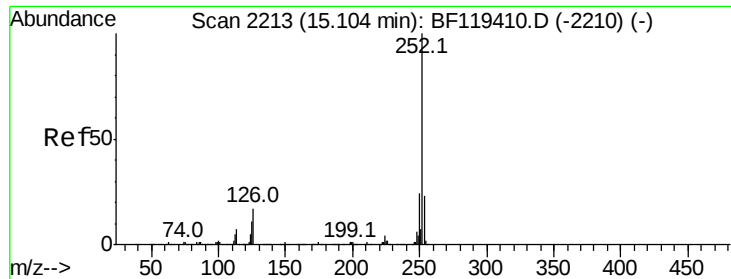
Acq: 20 Mar 2020 19:13

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 252   | Resp: | 1847860 |
| Ion Ratio | Lower | Upper |         |
| 252       | 100   |       |         |
| 253       | 23.3  | 18.2  | 27.4    |
| 125       | 10.4  | 8.8   | 13.2    |



Abundance Ion 252.00 (251.70 to 252.70): E  
2000000 Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E





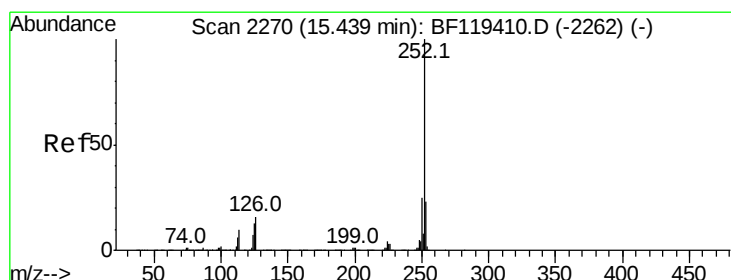
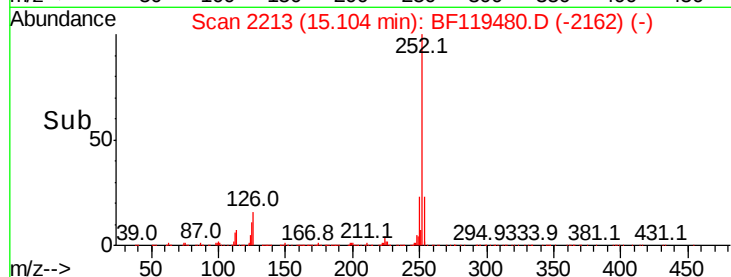
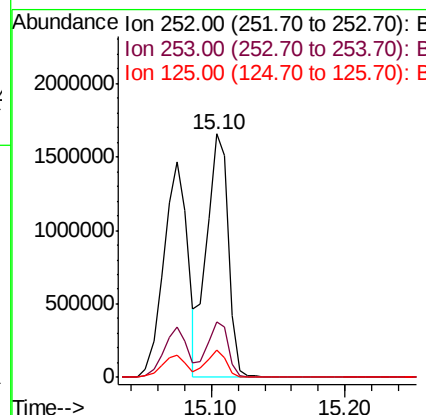
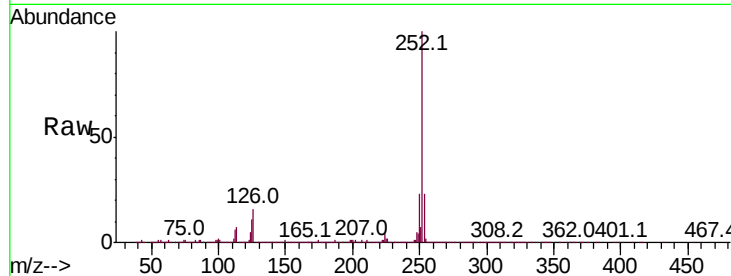
#89  
Benzo(k)fluoranthene  
Concen: 42.161 ng  
RT: 15.10 min Scan# 2213  
Delta R.T. -0.00 min  
Lab File: BF119480.D  
Acq: 20 Mar 2020 19:13

Instrument :  
BNA\_F  
ClientSampleId :  
BU-02-031920MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.6  | 18.2  | 27.4  |
| 125     | 11.1  | 9.0   | 13.4  |

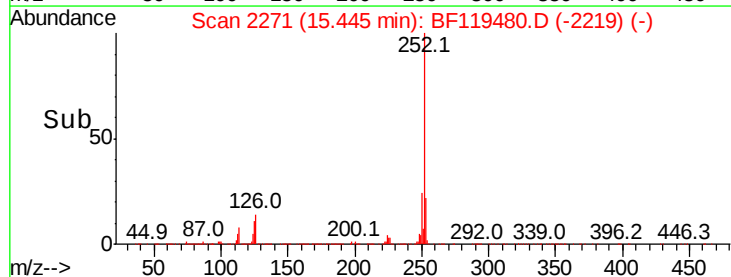
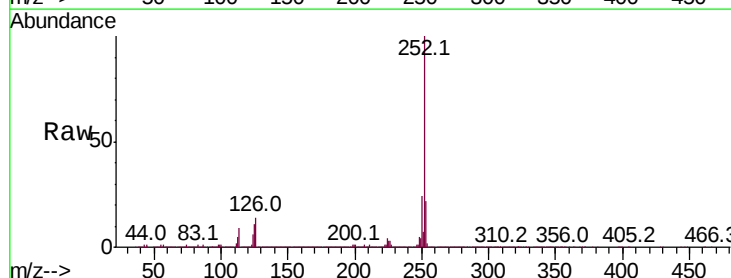
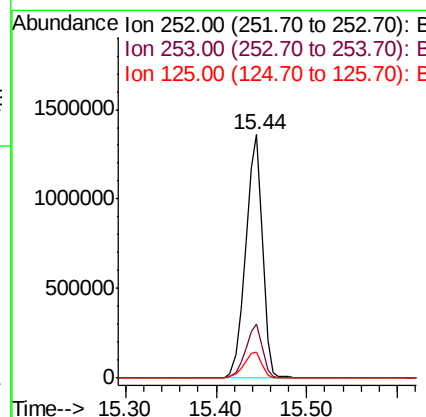
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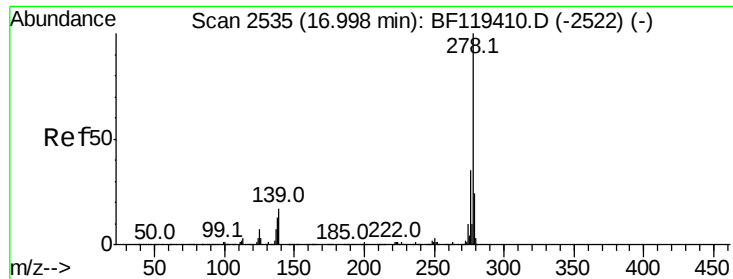
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#90  
Benzo(a)pyrene  
Concen: 42.074 ng  
RT: 15.44 min Scan# 2271  
Delta R.T. 0.01 min  
Lab File: BF119480.D  
Acq: 20 Mar 2020 19:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.1  | 18.2  | 27.4  |
| 125     | 10.8  | 10.2  | 15.2  |





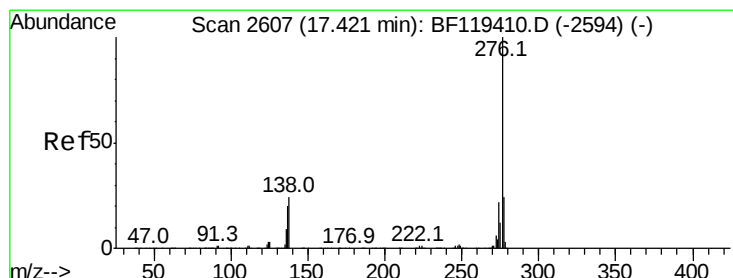
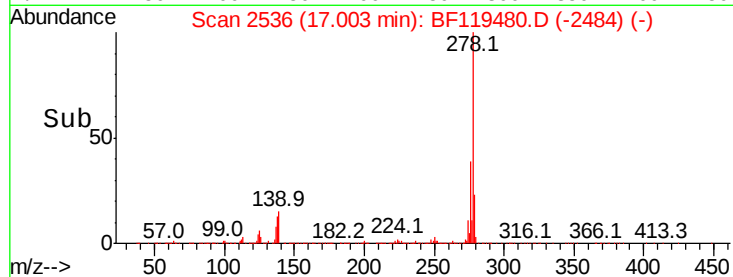
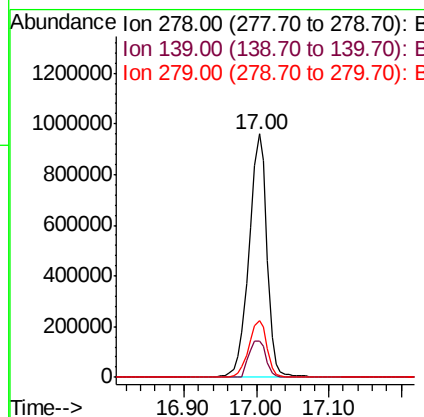
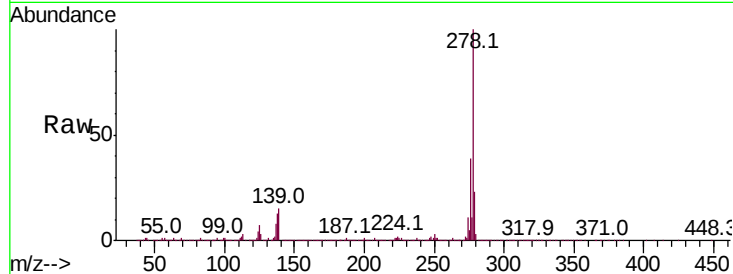
#91  
Dibenzo(a,h)anthracene  
Concen: 45.083 ng  
RT: 17.00 min Scan# 2536  
Delta R.T. 0.01 min  
Lab File: BF119480.D  
Acq: 20 Mar 2020 19:13

Instrument :  
BNA\_F  
ClientSampleId :  
BU-02-031920MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 15.0  | 13.7  | 20.5  |
| 279     | 23.3  | 19.2  | 28.8  |

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#92  
Benzo(g,h,i)perylene  
Concen: 41.920 ng  
RT: 17.43 min Scan# 2609  
Delta R.T. 0.01 min  
Lab File: BF119480.D  
Acq: 20 Mar 2020 19:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.9  | 18.8  | 28.2  |
| 138     | 21.3  | 19.1  | 28.7  |

