

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053119\  
 Data File : BF114709.D  
 Acq On : 31 May 2019 15:38  
 Operator : HP/JU  
 Sample : K3072-06MS  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-6MS

Manual Integrations  
 APPROVED

mohammad  
 6/3/2019 8:49:28 AM

Quant Time: Jun 01 00:56:30 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 29 19:08:51 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.70  | 152  | 344544   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 7.97  | 136  | 1331506  | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.73  | 164  | 662098   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.20 | 188  | 1321977  | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 13.82 | 240  | 813802   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.20 | 264  | 908075   | 20.00 | ng    | 0.00     |

|                             |       |     |         |        |    |      |
|-----------------------------|-------|-----|---------|--------|----|------|
| System Monitoring Compounds |       |     |         |        |    |      |
| 5) 2-Fluorophenol           | 5.31  | 112 | 2513333 | 128.07 | ng | 0.02 |
| 7) Phenol-d6                | 6.34  | 99  | 3159400 | 133.60 | ng | 0.01 |
| 23) Nitrobenzene-d5         | 7.26  | 82  | 1960742 | 91.87  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol    | 10.51 | 330 | 912505  | 144.64 | ng | 0.00 |
| 45) 2-Fluorobiphenyl        | 9.06  | 172 | 3086152 | 88.15  | ng | 0.00 |
| 79) Terphenyl-d14           | 12.78 | 244 | 3585502 | 82.84  | ng | 0.00 |

|                                |      |     |         |        |    |      |
|--------------------------------|------|-----|---------|--------|----|------|
| Target Compounds               |      |     |         | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 2.39 | 88  | 359603  | 38.185 | ng | 96   |
| 3) Pyridine                    | 3.09 | 79  | 660097  | 24.085 | ng | 98   |
| 4) n-Nitrosodimethylamine      | 3.02 | 42  | 447312  | 40.331 | ng | 95   |
| 6) Aniline                     | 6.36 | 93  | 838422  | 23.472 | ng | # 39 |
| 8) 2-Chlorophenol              | 6.49 | 128 | 1045916 | 46.150 | ng | 98   |
| 9) Benzaldehyde                | 6.24 | 77  | 444224  | 31.245 | ng | 95   |
| 10) Phenol                     | 6.35 | 94  | 1216089 | 42.569 | ng | 96   |
| 11) bis(2-Chloroethyl)ether    | 6.44 | 93  | 953402  | 43.632 | ng | 98   |
| 12) 1,3-Dichlorobenzene        | 6.64 | 146 | 1100146 | 42.608 | ng | 99   |
| 13) 1,4-Dichlorobenzene        | 6.72 | 146 | 1101606 | 42.528 | ng | 99   |
| 14) 1,2-Dichlorobenzene        | 6.87 | 146 | 1042678 | 44.214 | ng | 100  |
| 15) Benzyl Alcohol             | 6.84 | 79  | 863510  | 46.422 | ng | 98   |
| 16) 2,2'-oxybis(1-Chloropropan | 6.98 | 45  | 1346840 | 40.186 | ng | 98   |
| 17) 2-Methylphenol             | 6.96 | 107 | 878920  | 45.852 | ng | 99   |
| 18) Hexachloroethane           | 7.21 | 117 | 397466  | 40.528 | ng | 96   |
| 19) n-Nitroso-di-n-propylamine | 7.12 | 70  | 685871  | 42.019 | ng | 97   |
| 20) 3+4-Methylphenols          | 7.11 | 107 | 985579  | 43.717 | ng | 95   |
| 22) Acetophenone               | 7.11 | 105 | 1355355 | 47.774 | ng | 98   |
| 24) Nitrobenzene               | 7.28 | 77  | 1057585 | 46.650 | ng | 93   |
| 25) Isophorone                 | 7.52 | 82  | 1948176 | 45.486 | ng | 99   |
| 26) 2-Nitrophenol              | 7.59 | 139 | 574074  | 52.021 | ng | 99   |
| 27) 2,4-Dimethylphenol         | 7.64 | 122 | 951068  | 51.820 | ng | 99   |
| 28) bis(2-Chloroethoxy)methane | 7.73 | 93  | 1211982 | 44.452 | ng | 100  |
| 29) 2,4-Dichlorophenol         | 7.84 | 162 | 916326  | 49.052 | ng | 98   |
| 30) 1,2,4-Trichlorobenzene     | 7.92 | 180 | 973329  | 45.732 | ng | 99   |
| 31) Naphthalene                | 8.00 | 128 | 2810825 | 45.830 | ng | 99   |
| 32) Benzoic acid               | 7.74 | 122 | 287488m | 24.117 | ng |      |
| 33) 4-Chloroaniline            | 8.04 | 127 | 392469  | 13.431 | ng | 99   |
| 34) Hexachlorobutadiene        | 8.13 | 225 | 513146  | 43.401 | ng | 99   |
| 35) Caprolactam                | 8.42 | 113 | 299884m | 47.569 | ng |      |
| 36) 4-Chloro-3-methylphenol    | 8.53 | 107 | 949260  | 50.670 | ng | 98   |
| 37) 2-Methylnaphthalene        | 8.69 | 142 | 1946151 | 47.758 | ng | 98   |
| 38) 1-Methylnaphthalene        | 8.79 | 142 | 1847984 | 47.864 | ng | 99   |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.86 | 216 | 815903  | 46.274 | ng | 100  |

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053119\  
 Data File : BF114709.D  
 Acq On : 31 May 2019 15:38  
 Operator : HP/JU  
 Sample : K3072-06MS  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-6MS

Manual Integrations  
 APPROVED

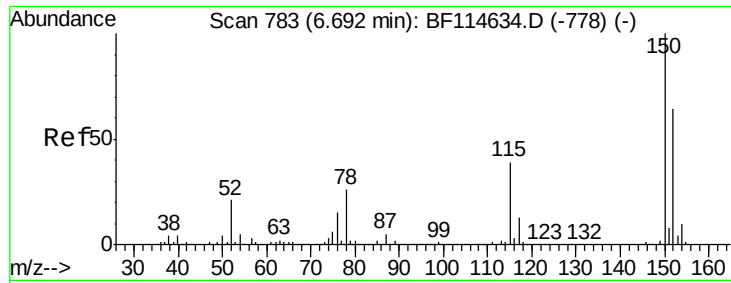
mohammad  
 6/3/2019 8:49:28 AM

Quant Time: Jun 01 00:56:30 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 29 19:08:51 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 8.85  | 237  | 977497   | 83.893 | nq    | 99       |
| 43) 2,4,6-Trichlorophenol      | 8.97  | 196  | 656119   | 47.292 | nq    | 99       |
| 44) 2,4,5-Trichlorophenol      | 9.00  | 196  | 707219   | 51.083 | nq    | 98       |
| 46) 1,1'-Biphenyl              | 9.15  | 154  | 2268800  | 46.163 | nq    | 99       |
| 47) 2-Chloronaphthalene        | 9.17  | 162  | 1842202  | 45.694 | nq    | 98       |
| 48) 2-Nitroaniline             | 9.27  | 65   | 582190   | 46.795 | nq    | 89       |
| 49) Acenaphthylene             | 9.59  | 152  | 2850140  | 45.761 | nq    | 99       |
| 50) Dimethylphthalate          | 9.46  | 163  | 2682528  | 58.144 | nq    | 99       |
| 51) 2,6-Dinitrotoluene         | 9.51  | 165  | 536529   | 50.048 | nq    | 93       |
| 52) Acenaphthene               | 9.76  | 154  | 1875893  | 49.111 | nq    | 100      |
| 53) 3-Nitroaniline             | 9.67  | 138  | 359910   | 27.431 | nq    | 94       |
| 54) 2,4-Dinitrophenol          | 9.78  | 184  | 356526   | 84.314 | nq    | 93       |
| 55) Dibenzofuran               | 9.93  | 168  | 2458221  | 45.212 | nq    | 100      |
| 56) 4-Nitrophenol              | 9.85  | 139  | 962305   | 98.971 | nq    | 98       |
| 57) 2,4-Dinitrotoluene         | 9.92  | 165  | 724566   | 52.663 | nq    | # 83     |
| 58) Fluorene                   | 10.27 | 166  | 1758482  | 50.478 | nq    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.05 | 232  | 573661   | 50.623 | nq    | 99       |
| 60) Diethylphthalate           | 10.16 | 149  | 2191209  | 46.502 | nq    | 99       |
| 61) 4-Chlorophenyl-phenylether | 10.26 | 204  | 869403   | 49.108 | nq    | 99       |
| 62) 4-Nitroaniline             | 10.29 | 138  | 605370   | 47.349 | nq    | 98       |
| 63) Azobenzene                 | 10.43 | 77   | 1935232  | 44.733 | nq    | 94       |
| 65) 4,6-Dinitro-2-methylphenol | 10.32 | 198  | 258902   | 44.168 | nq    | 93       |
| 66) n-Nitrosodiphenylamine     | 10.39 | 169  | 1796754  | 46.002 | nq    | 99       |
| 67) 4-Bromophenyl-phenylether  | 10.75 | 248  | 633888   | 44.714 | nq    | 96       |
| 68) Hexachlorobenzene          | 10.82 | 284  | 681281   | 44.369 | nq    | 94       |
| 69) Atrazine                   | 10.92 | 200  | 622077   | 54.360 | nq    | 99       |
| 70) Pentachlorophenol          | 11.01 | 266  | 691281   | 78.100 | nq    | 98       |
| 71) Phenanthrene               | 11.23 | 178  | 2858150  | 42.383 | nq    | 99       |
| 72) Anthracene                 | 11.27 | 178  | 2957381  | 43.330 | nq    | 99       |
| 73) Carbazole                  | 11.43 | 167  | 2781322  | 46.368 | nq    | 99       |
| 74) Di-n-butylphthalate        | 11.77 | 149  | 3145088  | 42.935 | nq    | 99       |
| 75) Fluoranthene               | 12.40 | 202  | 2995253  | 42.894 | nq    | 99       |
| 77) Benzidine                  | 12.52 | 184  | 354700   | 10.585 | nq    | # 92     |
| 78) Pyrene                     | 12.63 | 202  | 3021655  | 43.893 | nq    | 99       |
| 80) Butylbenzylphthalate       | 13.26 | 149  | 1540807  | 44.536 | nq    | 98       |
| 81) Benzo(a)anthracene         | 13.81 | 228  | 2672648  | 42.737 | nq    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 13.77 | 252  | 668637   | 27.685 | nq    | 98       |
| 83) Chrysene                   | 13.85 | 228  | 2685314  | 44.943 | nq    | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 13.83 | 149  | 1882503  | 44.012 | nq    | # 99     |
| 85) Di-n-octyl phthalate       | 14.43 | 149  | 3353353  | 45.124 | nq    | 98       |
| 86) Indeno(1,2,3-cd)pyrene     | 16.54 | 276  | 2551158  | 42.631 | nq    | 99       |
| 88) Benzo(b)fluoranthene       | 14.82 | 252  | 2581616  | 45.138 | nq    | 100      |
| 89) Benzo(k)fluoranthene       | 14.85 | 252  | 2405073  | 48.380 | nq    | 99       |
| 90) Benzo(a)pyrene             | 15.16 | 252  | 2364387  | 47.058 | nq    | 100      |
| 91) Dibenzo(a,h)anthracene     | 16.56 | 278  | 2128063  | 47.930 | nq    | 99       |
| 92) Benzo(g,h,i)perylene       | 16.94 | 276  | 2171742  | 50.398 | nq    | 99       |

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





#1

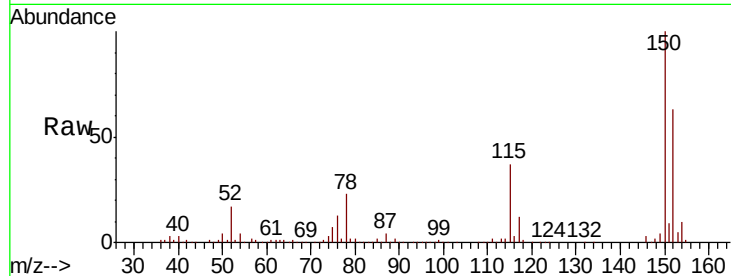
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.70 min Scan# 784  
Delta R.T. 0.01 min  
Lab File: BF114709.D  
Acq: 31 May 2019 15:38

Instrument :  
BNA\_F  
ClientSampleId :  
TP-6MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.7 | 124.4 | 186.6 |
| 115     | 58.6  | 48.7  | 73.1  |

Manual Integrations  
APPROVED

mohammad  
6/3/2019 8:49:28 AM

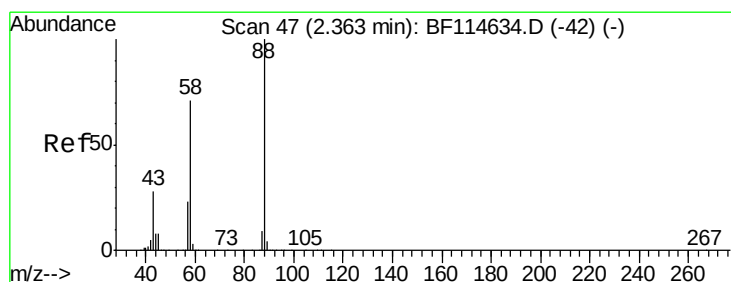
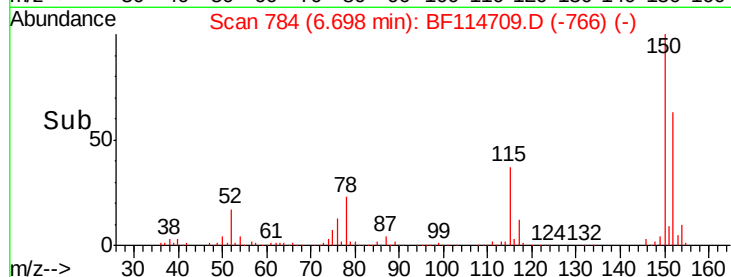
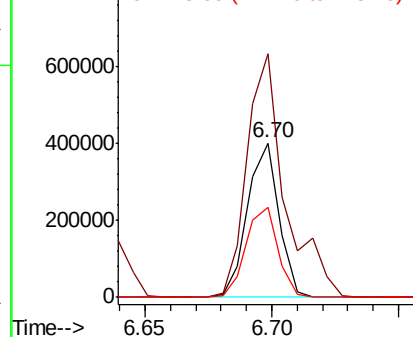


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

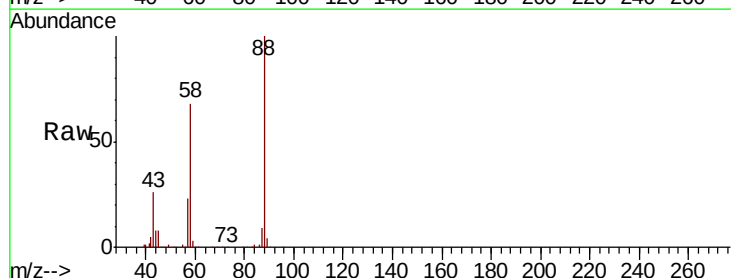
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane  
Concen: 38.185 ng  
RT: 2.39 min Scan# 52  
Delta R.T. 0.03 min  
Lab File: BF114709.D  
Acq: 31 May 2019 15:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 68.0  | 57.2  | 85.8  |
| 43      | 26.9  | 22.6  | 33.8  |

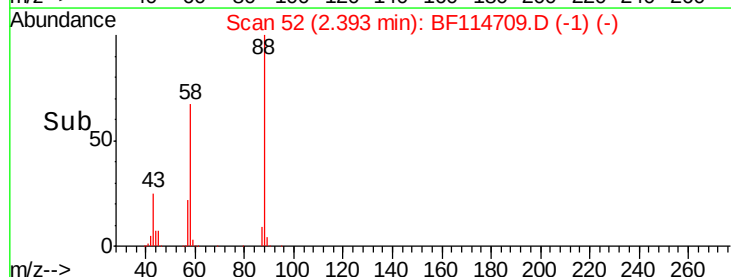
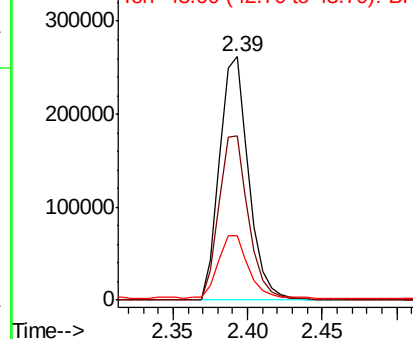


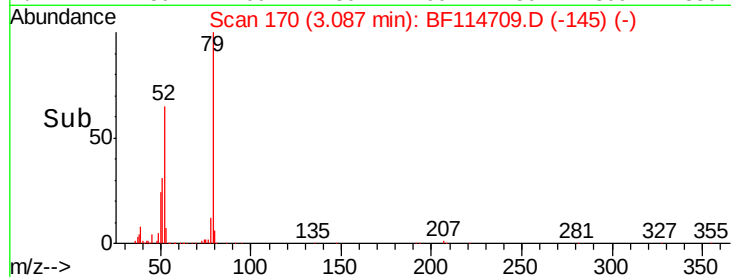
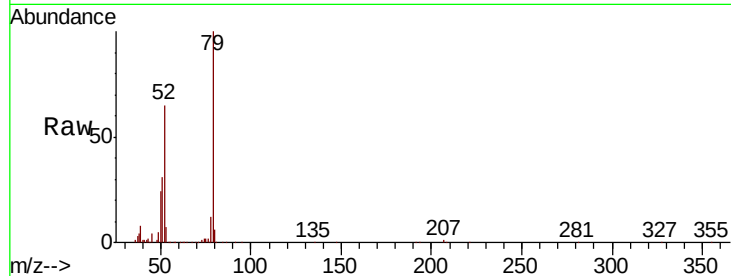
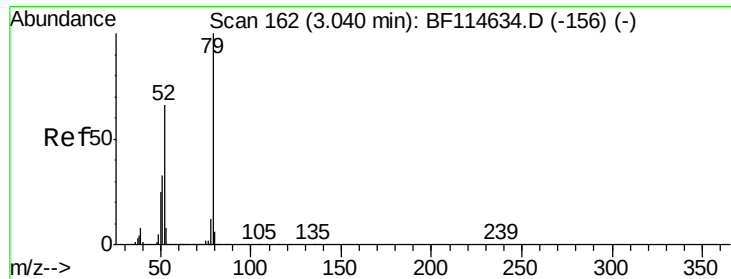
Abundance

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





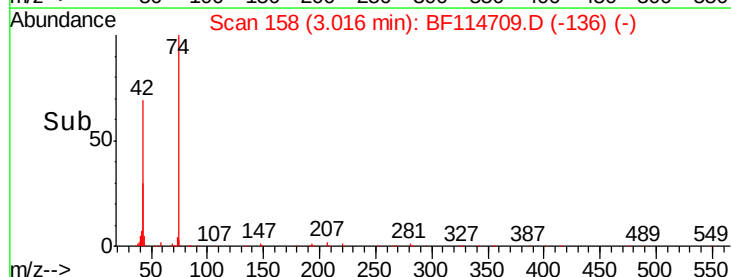
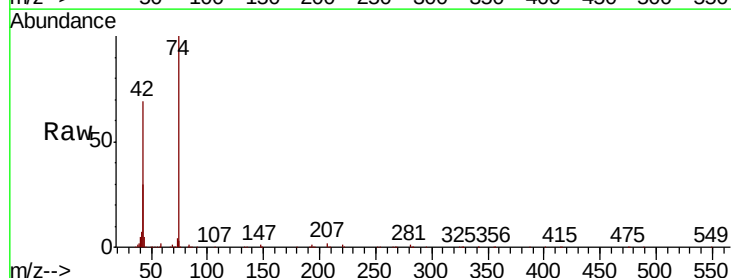
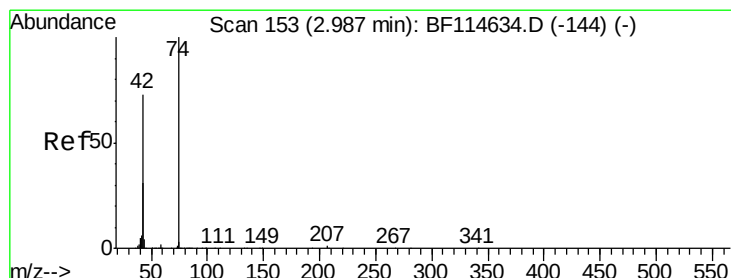
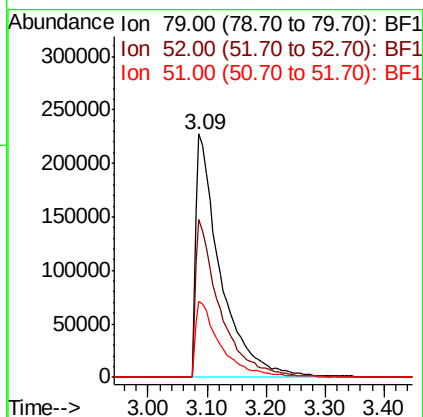
#3  
Pvridine  
Concen: 24.085 ng  
RT: 3.09 min Scan# 170  
Delta R.T. 0.05 min  
Lab File: BF114709.D  
Acq: 31 May 2019 15:38

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 52      | 65.0  | 52.8  | 79.2  |
| 51      | 31.1  | 26.3  | 39.5  |

Instrument :  
BNA\_F  
ClientSampleId :  
TP-6MS

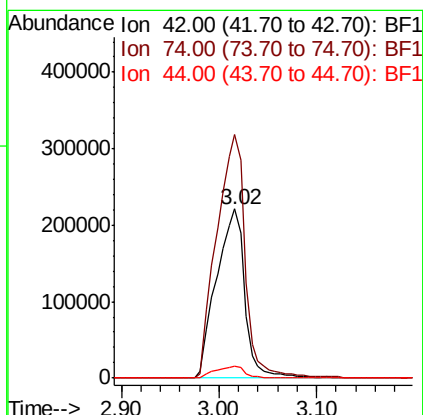
Manual Integrations  
APPROVED

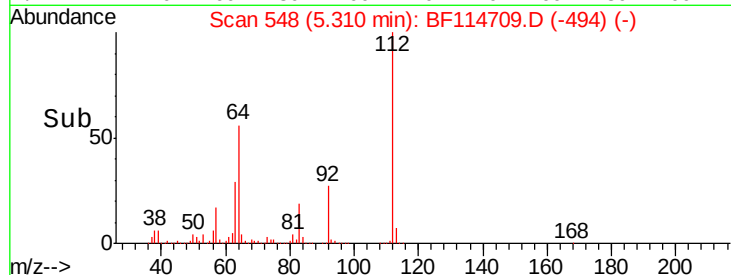
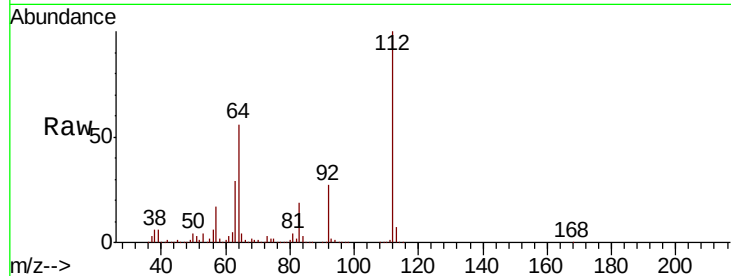
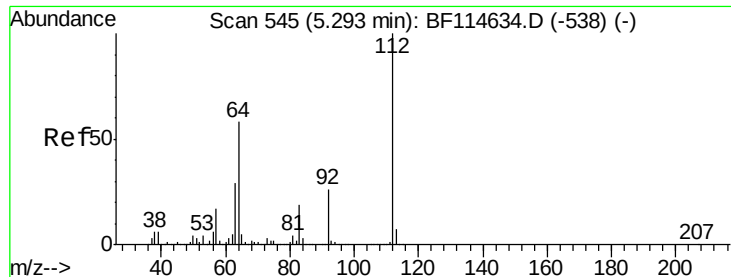
mohammad  
6/3/2019 8:49:28 AM



#4  
n-Nitrosodimethylamine  
Concen: 40.331 ng  
RT: 3.02 min Scan# 158  
Delta R.T. 0.03 min  
Lab File: BF114709.D  
Acq: 31 May 2019 15:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 74      | 143.9 | 110.0 | 165.0 |
| 44      | 6.8   | 5.6   | 8.4   |





#5

2-Fluorophenol

Concen: 128.073 ng

RT: 5.31 min Scan# 548

Delta R.T. 0.02 min

Lab File: BF114709.D

Acq: 31 May 2019 15:38

|           |       |       |         |
|-----------|-------|-------|---------|
| Tot Ion:  | 112   | Resp: | 2513333 |
| Ion Ratio | Lower | Upper |         |
| 112       | 100   |       |         |
| 64        | 56.0  | 46.1  | 69.1    |
| 63        | 29.0  | 23.4  | 35.2    |

Instrument :

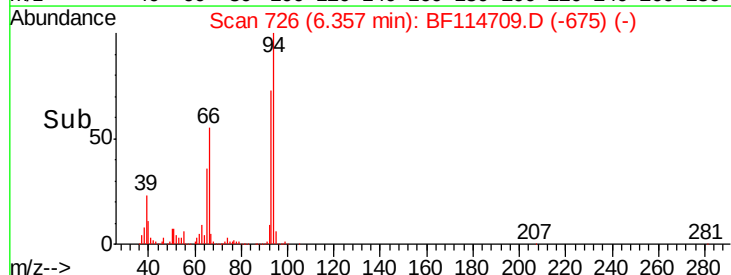
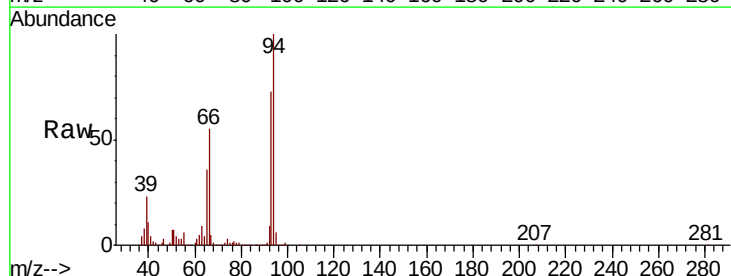
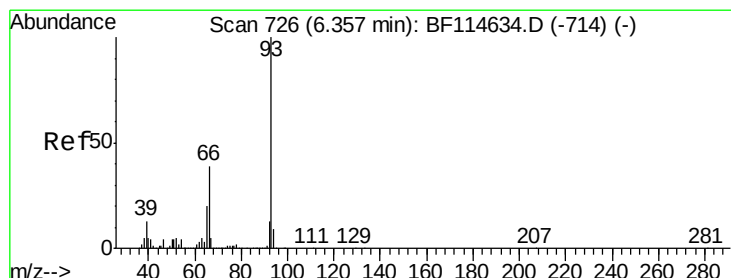
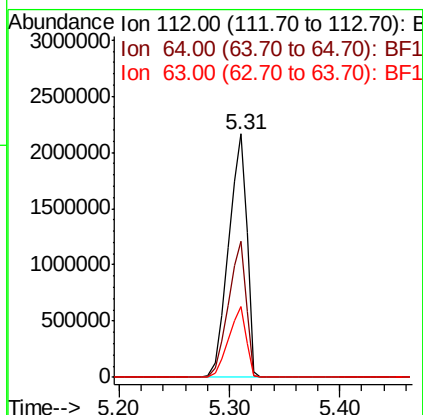
BNA\_F

ClientSampled :

TP-6MS

Manual Integrations  
APPROVED

mohammad  
6/3/2019 8:49:28 AM



#6

Aniline

Concen: 23.472 ng

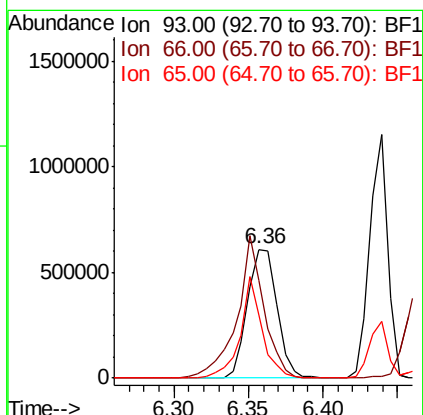
RT: 6.36 min Scan# 726

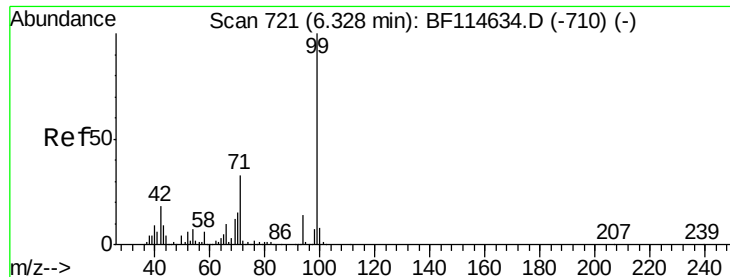
Delta R.T. -0.00 min

Lab File: BF114709.D

Acq: 31 May 2019 15:38

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 93    | Resp: | 838422 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 66        | 76.1  | 31.4  | 47.2#  |
| 65        | 49.4  | 16.2  | 24.2#  |





#7

Phenol-d6

Concen: 133.602 ng

RT: 6.34 min Scan# 723

Delta R.T. 0.01 min

Lab File: BF114709.D

Acq: 31 May 2019 15:38

Instrument :

BNA\_F

ClientSampled :

TP-6MS

Tot Ion: 99 Resp: 3159400

Ion Ratio Lower Upper

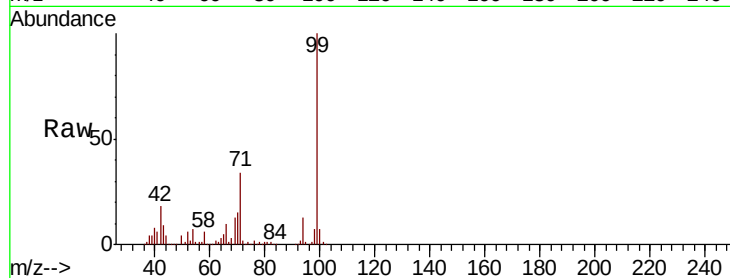
99 100

42 17.7 14.7 22.1

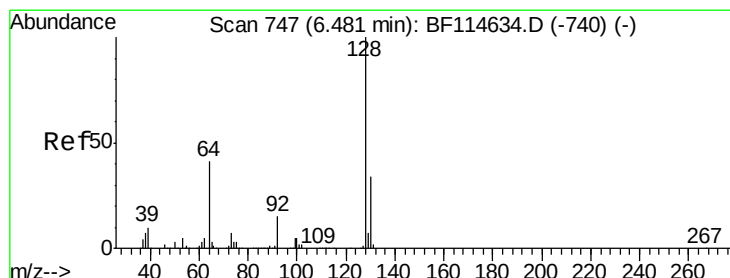
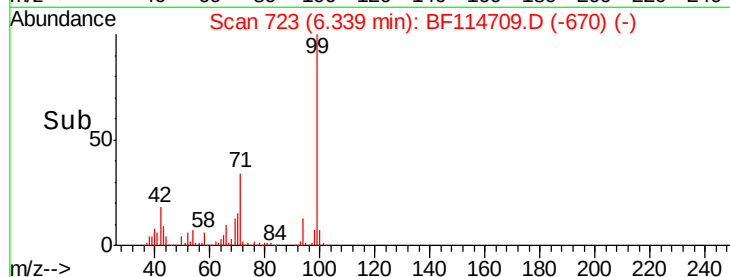
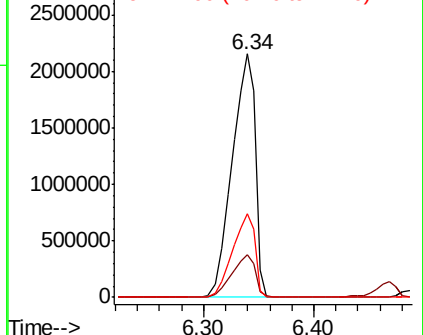
71 34.3 26.6 40.0

Manual Integrations  
APPROVED

mohammad  
6/3/2019 8:49:28 AM



Abundance Ion 99.00 (98.70 to 99.70): BF1  
Ion 42.00 (41.70 to 42.70): BF1  
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 46.150 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.01 min

Lab File: BF114709.D

Acq: 31 May 2019 15:38

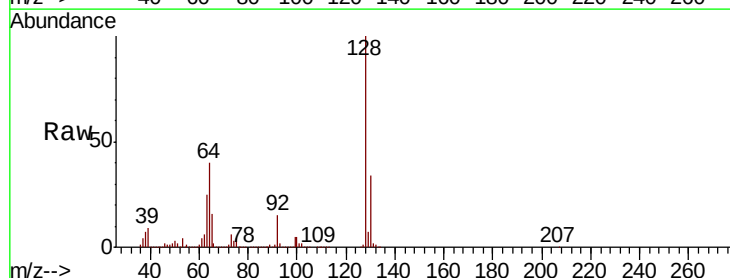
Tgt Ion: 128 Resp: 1045916

Ion Ratio Lower Upper

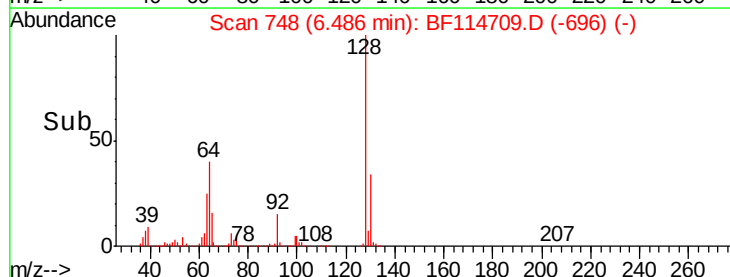
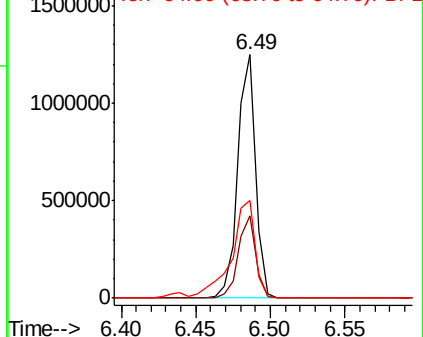
128 100

130 33.7 13.9 53.9

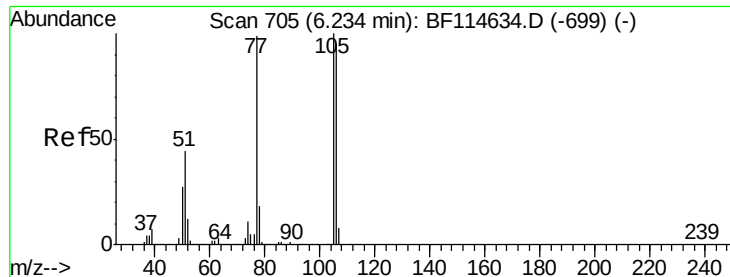
64 40.2 22.0 62.0



Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 130.00 (129.70 to 130.70): E  
Ion 64.00 (63.70 to 64.70): BF1







#9

Benzaldehyde

Concen: 31.245 ng

RT: 6.24 min Scan# 706

Delta R.T. 0.01 min

Lab File: BF114709.D

Acq: 31 May 2019 15:38

Instrument :

BNA\_F

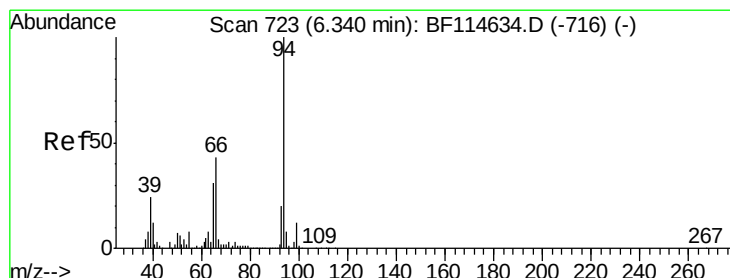
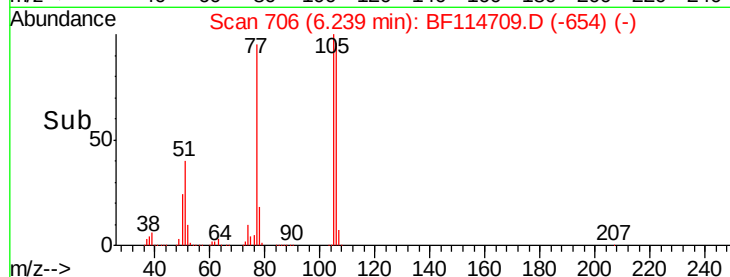
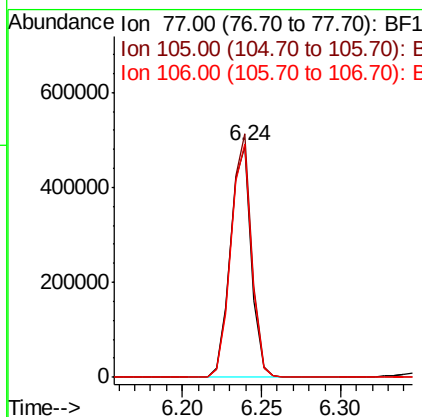
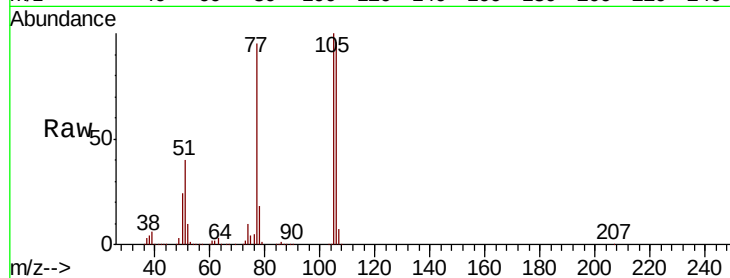
ClientSampleId :

TP-6MS

| Tot Ion | Ion   | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|-------|
| 77      | 100   |       |       |       |       |
| 105     | 105.5 | 80.8  | 120.8 |       |       |
| 106     | 101.1 | 76.2  | 116.2 |       |       |

Manual Integrations  
APPROVED

mohammad  
6/3/2019 8:49:28 AM



#10

Phenol

Concen: 42.569 ng

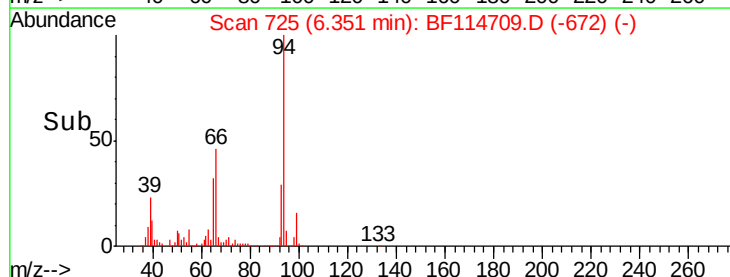
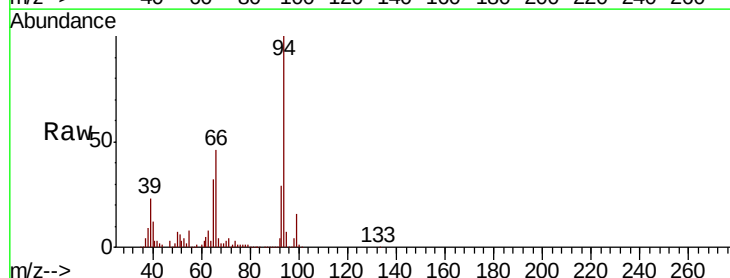
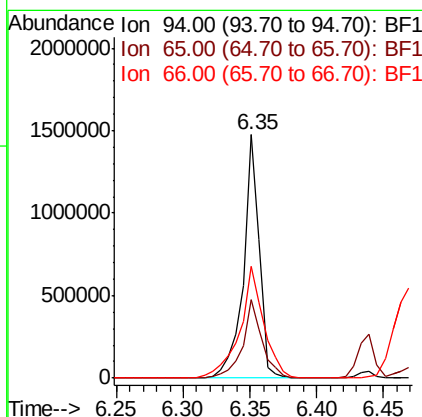
RT: 6.35 min Scan# 725

Delta R.T. 0.01 min

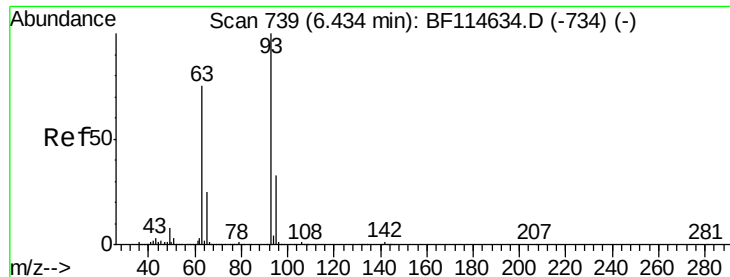
Lab File: BF114709.D

Acq: 31 May 2019 15:38

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 94      | 100  |       |      |       |       |
| 65      | 32.4 | 11.0  | 51.0 |       |       |
| 66      | 45.7 | 23.0  | 63.0 |       |       |







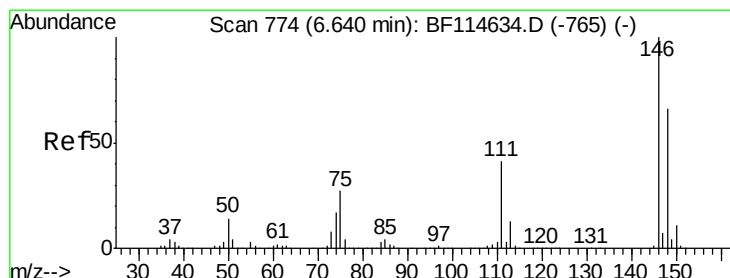
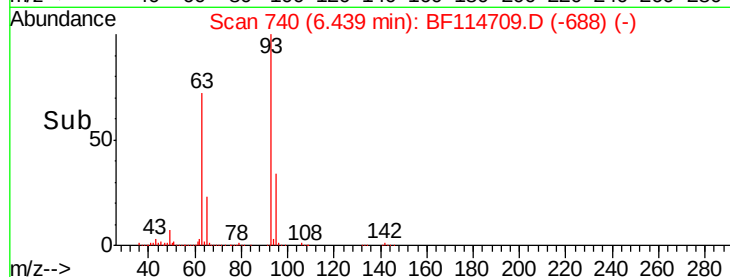
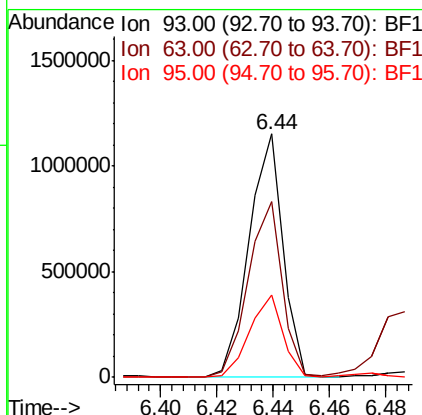
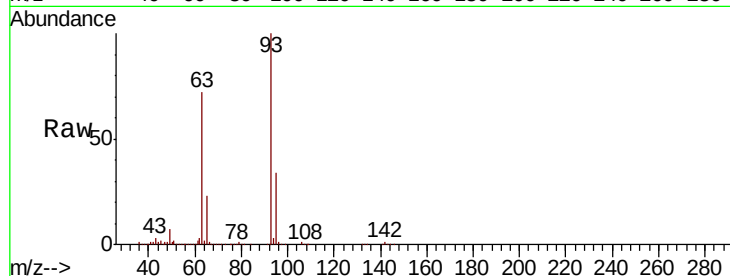
#11  
bis(2-Chloroethyl)ether  
Concen: 43.632 ng  
RT: 6.44 min Scan# 740  
Delta R.T. 0.01 min  
Lab File: BF114709.D  
Acq: 31 May 2019 15:38

Instrument :  
BNA\_F  
ClientSampleId :  
TP-6MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 72.2  | 55.0  | 95.0  |
| 95      | 33.7  | 13.5  | 53.5  |

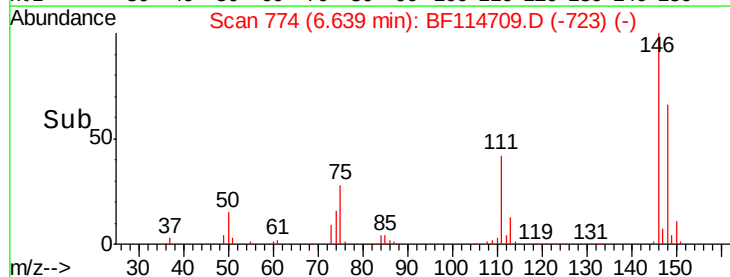
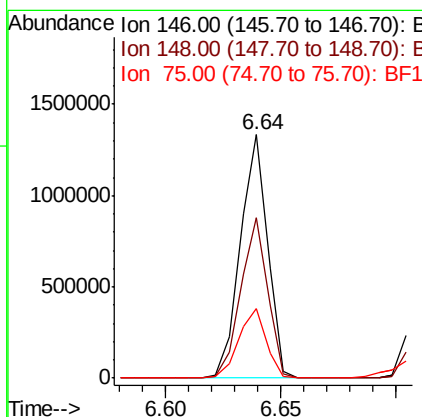
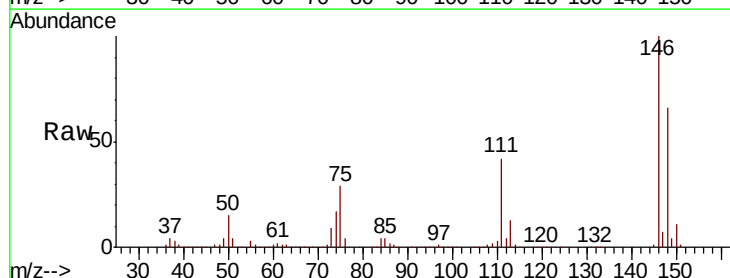
Manual Integrations  
APPROVED

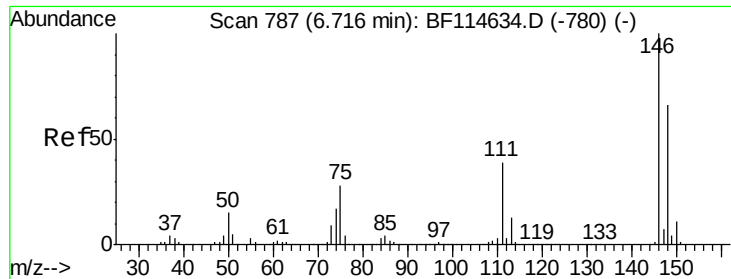
mohammad  
6/3/2019 8:49:28 AM



#12  
1,3-Dichlorobenzene  
Concen: 42.608 ng  
RT: 6.64 min Scan# 774  
Delta R.T. -0.00 min  
Lab File: BF114709.D  
Acq: 31 May 2019 15:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 65.7  | 52.9  | 79.3  |
| 75      | 28.7  | 22.0  | 33.0  |





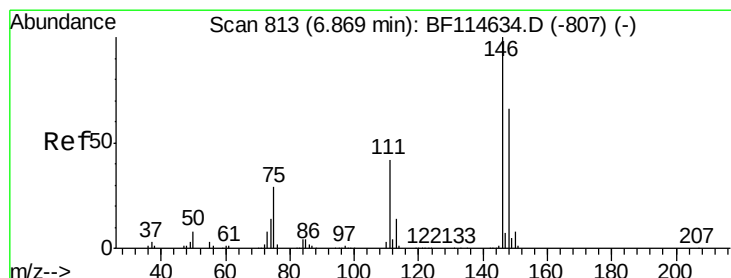
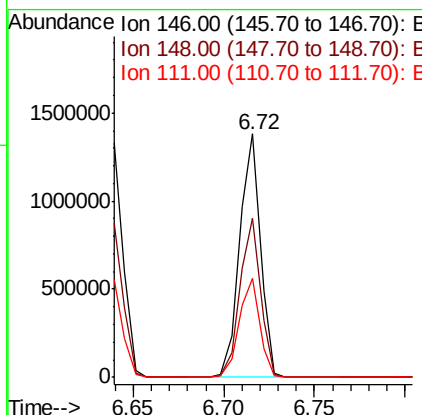
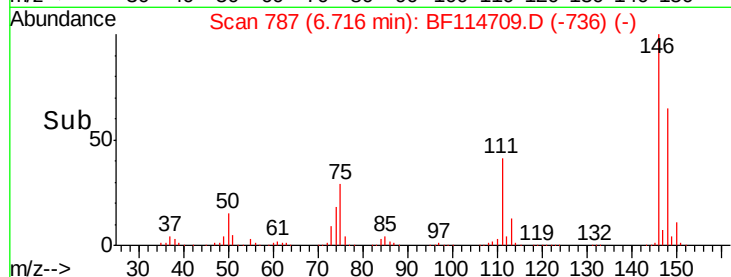
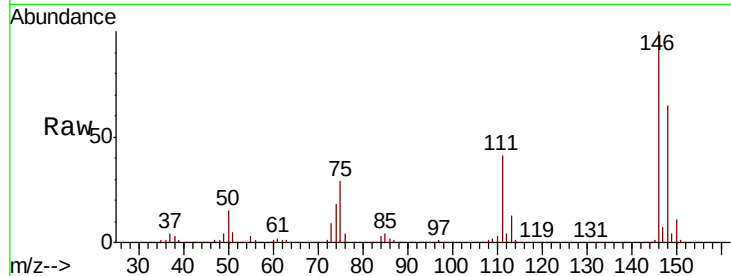
#13  
1,4-Dichlorobenzene  
Concen: 42.528 ng  
RT: 6.72 min Scan# 787  
Delta R.T. -0.00 min  
Lab File: BF114709.D  
Acq: 31 May 2019 15:38

Instrument :  
BNA\_F  
ClientSampleId :  
TP-6MS

Tot Ion:146 Resp: 1101606  
Ion Ratio Lower Upper  
146 100  
148 65.5 52.5 78.7  
111 40.8 31.4 47.2

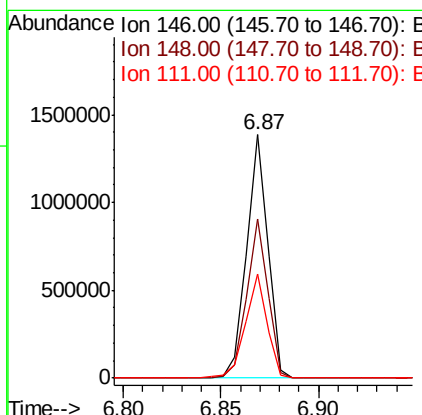
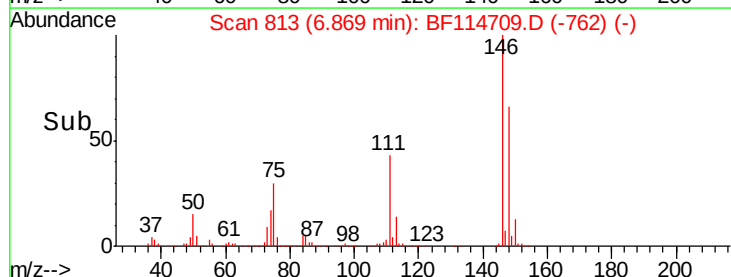
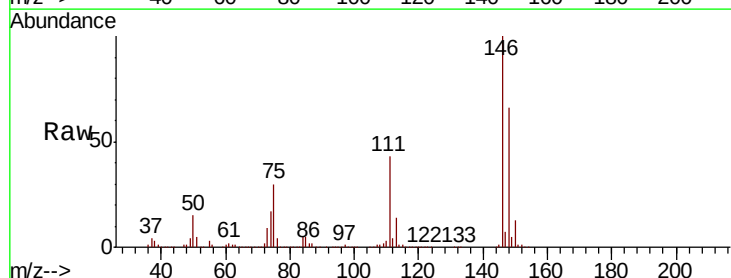
Manual Integrations  
APPROVED

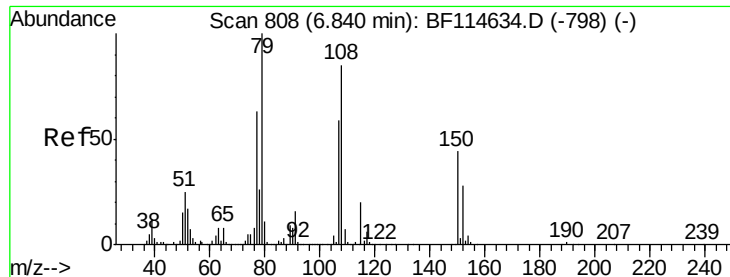
mohammad  
6/3/2019 8:49:28 AM



#14  
1,2-Dichlorobenzene  
Concen: 44.214 ng  
RT: 6.87 min Scan# 813  
Delta R.T. -0.00 min  
Lab File: BF114709.D  
Acq: 31 May 2019 15:38

Tgt Ion:146 Resp: 1042678  
Ion Ratio Lower Upper  
146 100  
148 65.6 52.6 79.0  
111 42.6 34.1 51.1





#15

Benzyl Alcohol

Concen: 46.422 ng

RT: 6.84 min Scan# 808

Delta R.T. -0.00 min

Lab File: BF114709.D

Acq: 31 May 2019 15:38

Instrument :

BNA\_F

ClientSampleId :

TP-6MS

Tot Ion: 79 Resp: 863510

Ion Ratio Lower Upper

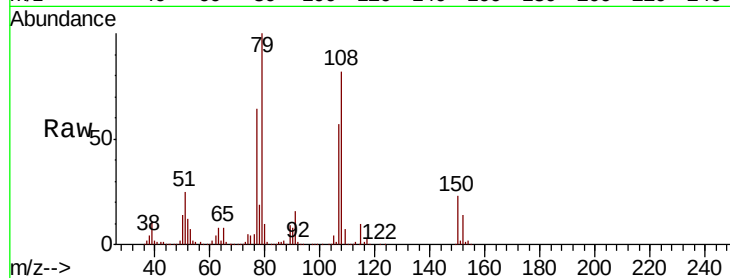
79 100

108 82.4 67.8 101.8

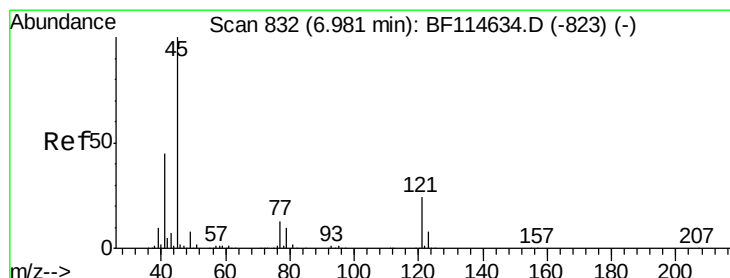
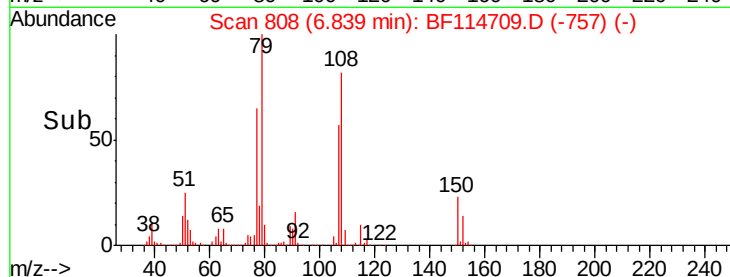
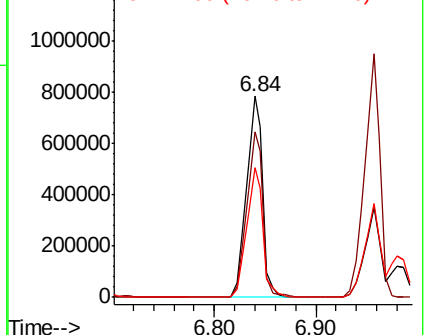
77 64.5 50.7 76.1

Manual Integrations  
APPROVED

mohammad  
6/3/2019 8:49:28 AM



Abundance Ion 79.00 (78.70 to 79.70): BF1  
Ion 108.00 (107.70 to 108.70): BF1  
Ion 77.00 (76.70 to 77.70): BF1



#16

2,2'-oxybis(1-chloropropane)

Concen: 40.186 ng

RT: 6.98 min Scan# 832

Delta R.T. -0.00 min

Lab File: BF114709.D

Acq: 31 May 2019 15:38

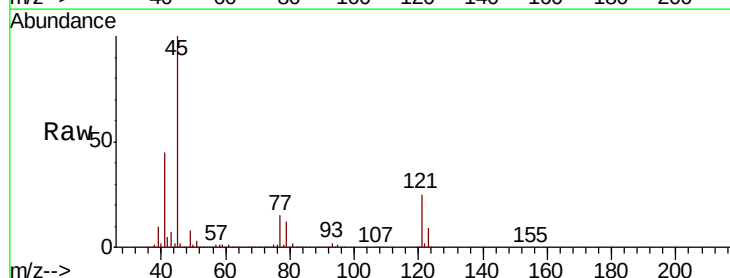
Tgt Ion: 45 Resp: 1346840

Ion Ratio Lower Upper

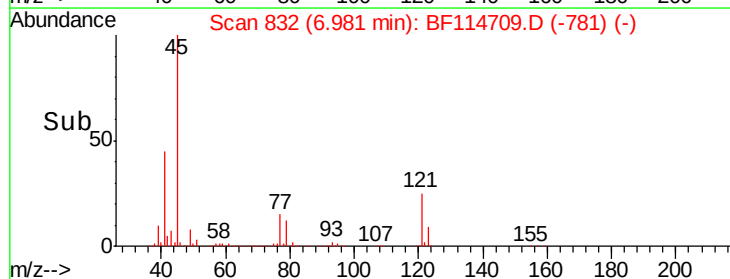
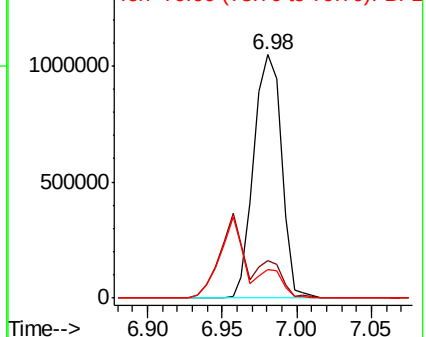
45 100

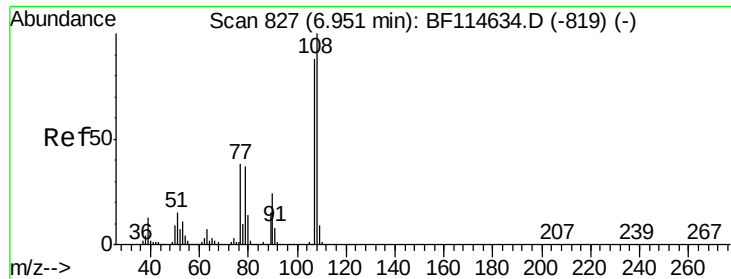
77 15.4 0.0 34.7

79 11.8 0.0 31.3



Abundance Ion 45.00 (44.70 to 45.70): BF1  
Ion 77.00 (76.70 to 77.70): BF1  
Ion 79.00 (78.70 to 79.70): BF1





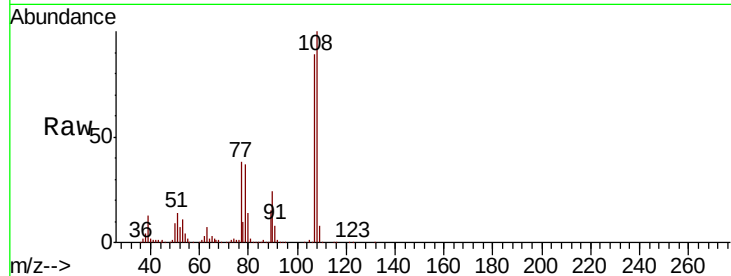
#17  
2-Methylphenol  
Concen: 45.852 ng  
RT: 6.96 min Scan# 828  
Delta R.T. 0.01 min  
Lab File: BF114709.D  
Acq: 31 May 2019 15:38

Instrument :  
BNA\_F  
ClientSampled :  
TP-6MS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   |      |       |       |
| 108     | 112.1 | 91.1 | 136.7 |       |
| 77      | 43.1  | 34.9 | 52.3  |       |
| 79      | 41.4  | 33.8 | 50.6  |       |

Manual Integrations  
APPROVED

mohammad  
6/3/2019 8:49:28 AM



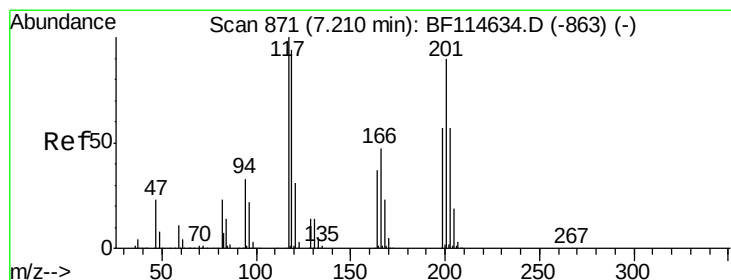
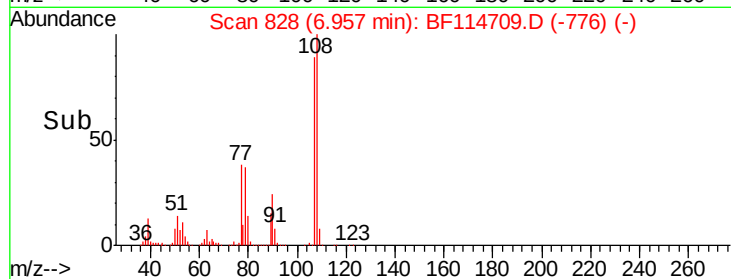
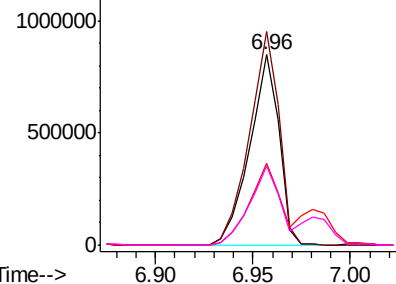
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

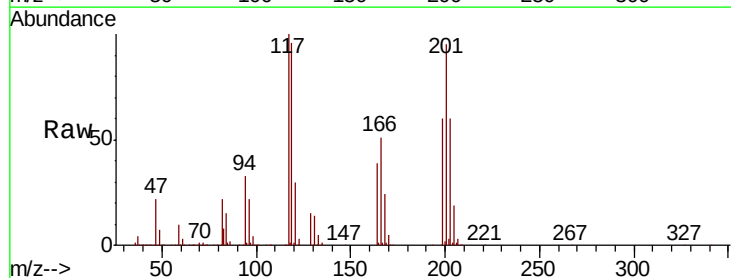
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18  
Hexachloroethane  
Concen: 40.528 ng  
RT: 7.21 min Scan# 871  
Delta R.T. -0.00 min  
Lab File: BF114709.D  
Acq: 31 May 2019 15:38

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 119     | 95.6  | 75.6 | 113.4 |       |
| 201     | 95.3  | 71.7 | 107.5 |       |

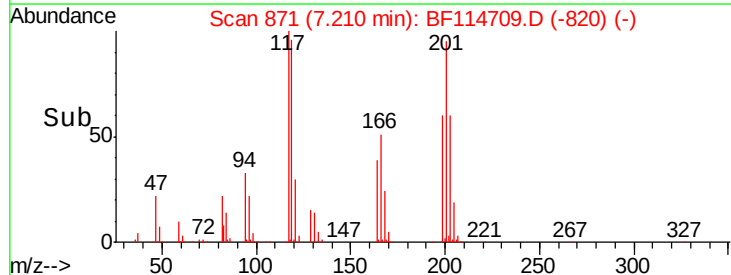
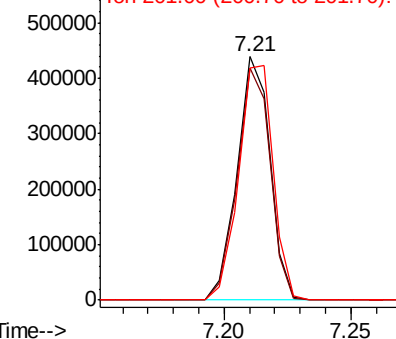


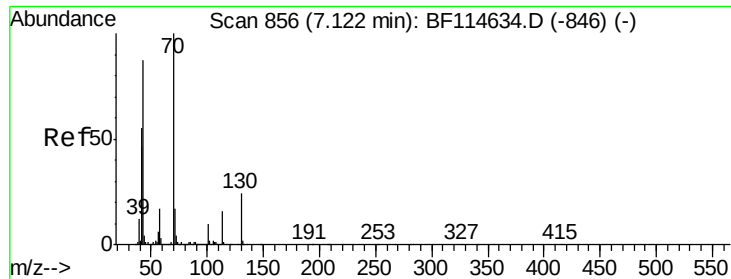
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





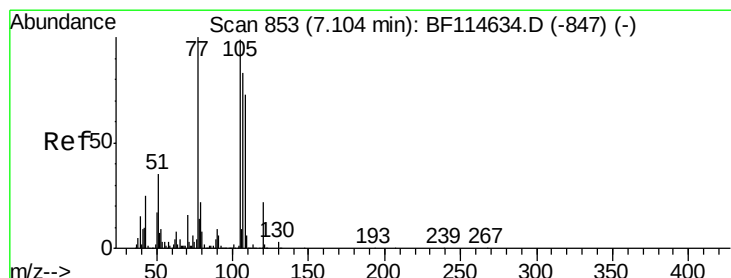
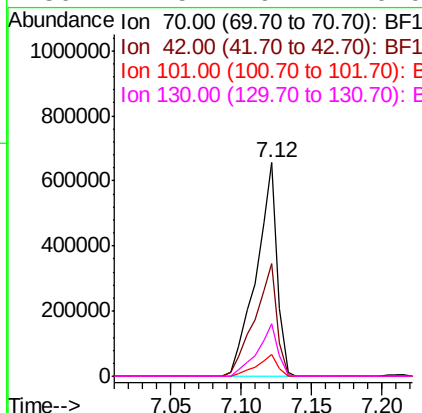
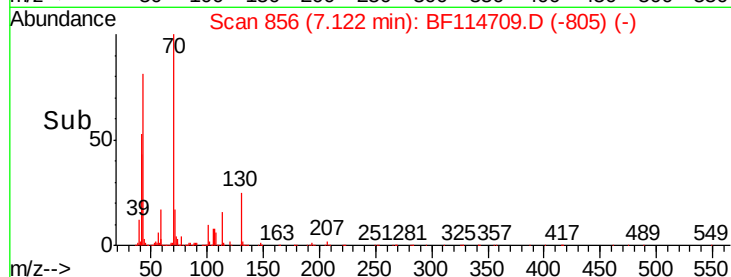
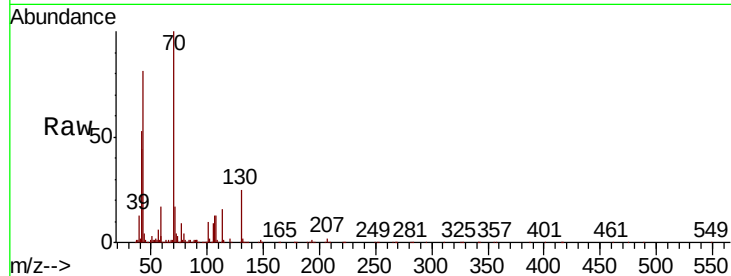
#19  
n-Nitroso-di-n-propylamine  
Concen: 42.019 ng  
RT: 7.12 min Scan# 856  
Delta R.T. -0.00 min  
Lab File: BF114709.D  
Acq: 31 May 2019 15:38

Instrument :  
BNA\_F  
ClientSampleId :  
TP-6MS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 70      | 100  |       | 685871 |       |       |
| 42      | 52.7 | 44.4  | 66.6   |       |       |
| 101     | 10.4 | 8.2   | 12.4   |       |       |
| 130     | 24.5 | 19.4  | 29.0   |       |       |

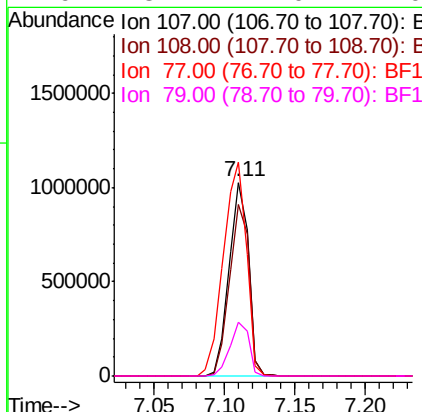
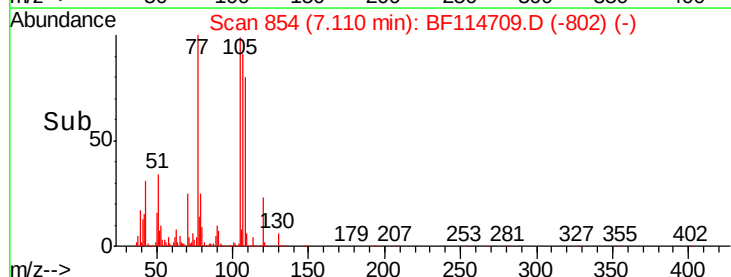
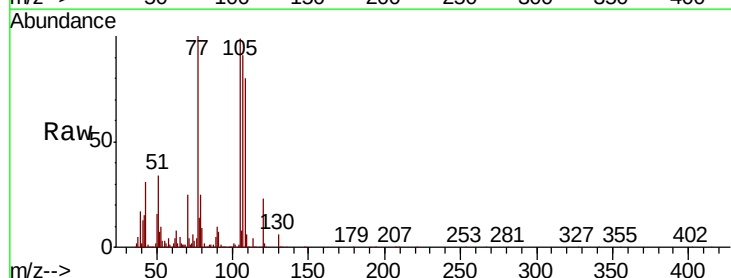
Manual Integrations  
APPROVED

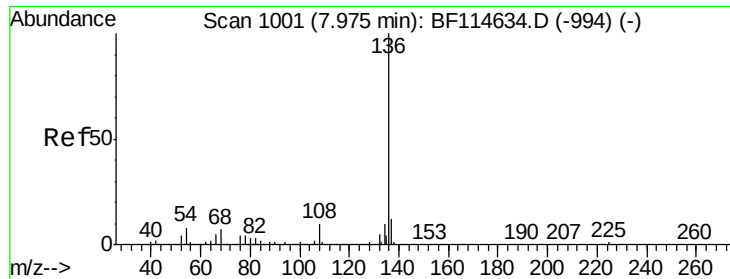
mohammad  
6/3/2019 8:49:28 AM



#20  
3+4-Methylphenols  
Concen: 43.717 ng  
RT: 7.11 min Scan# 854  
Delta R.T. 0.01 min  
Lab File: BF114709.D  
Acq: 31 May 2019 15:38

| Tgt Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 107     | 100   |       | 985579 |       |       |
| 108     | 88.4  | 68.6  | 108.6  |       |       |
| 77      | 110.5 | 100.5 | 140.5  |       |       |
| 79      | 28.1  | 7.0   | 47.0   |       |       |





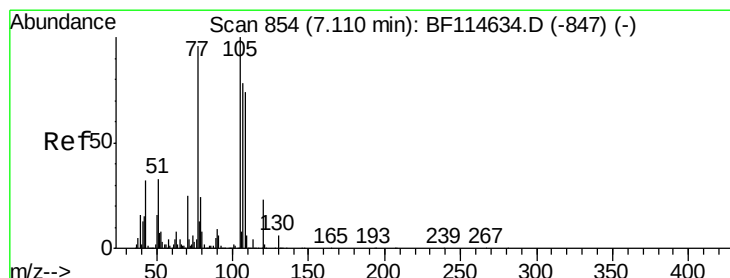
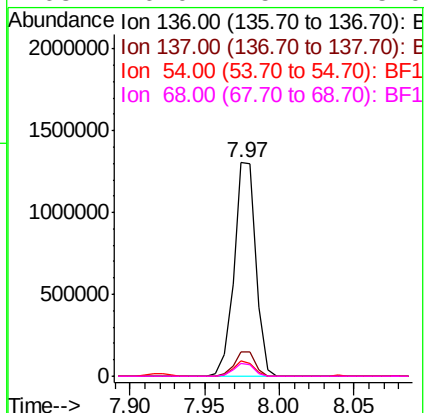
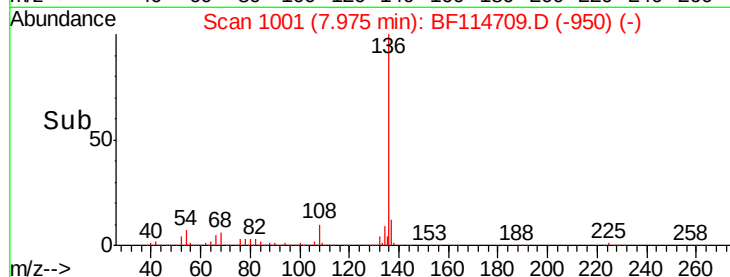
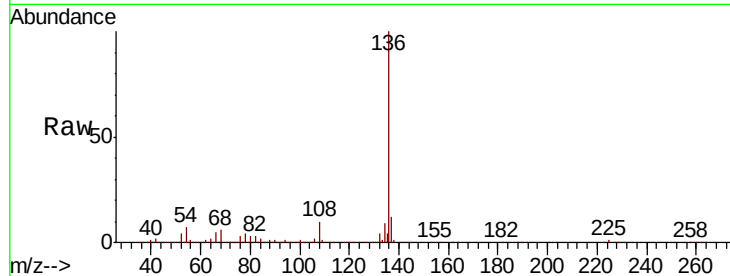
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.97 min Scan# 1001  
Delta R.T. -0.00 min  
Lab File: BF114709.D  
Acq: 31 May 2019 15:38

Instrument :  
BNA\_F  
ClientSampleId :  
TP-6MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 11.6  | 9.3   | 13.9  |
| 54      | 7.2   | 6.3   | 9.5   |
| 68      | 6.0   | 5.4   | 8.0   |

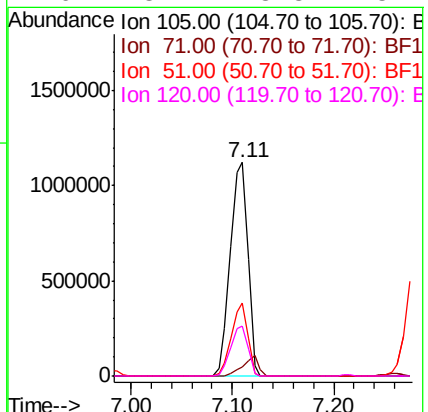
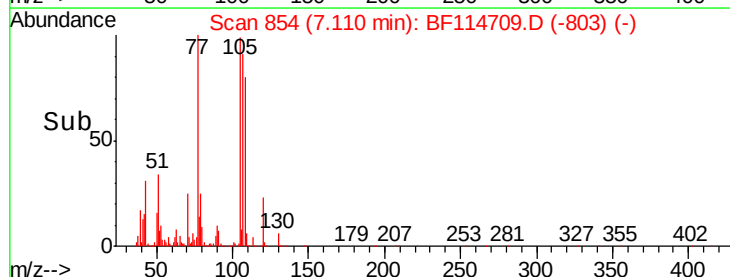
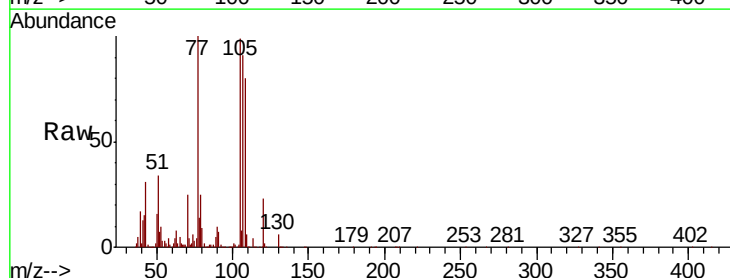
Manual Integrations  
APPROVED

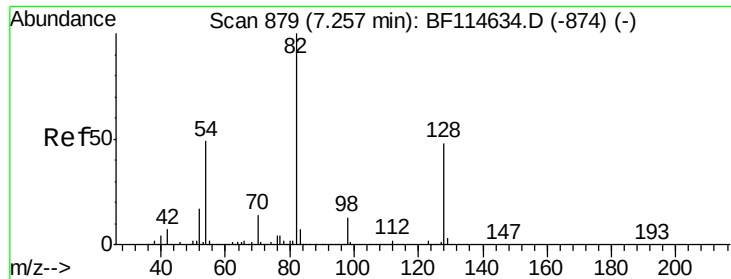
mohammad  
6/3/2019 8:49:28 AM



#22  
Acetophenone  
Concen: 47.774 ng  
RT: 7.11 min Scan# 854  
Delta R.T. -0.00 min  
Lab File: BF114709.D  
Acq: 31 May 2019 15:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 71      | 4.4   | 3.6   | 5.4   |
| 51      | 34.0  | 26.0  | 39.0  |
| 120     | 23.1  | 18.8  | 28.2  |





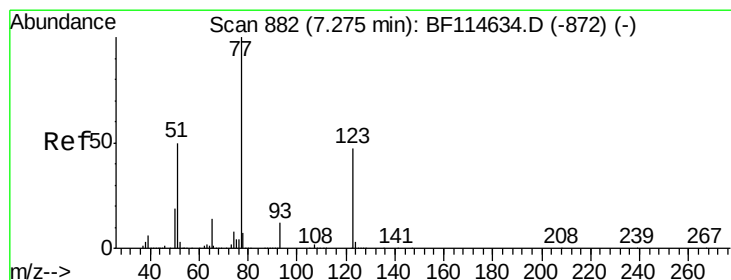
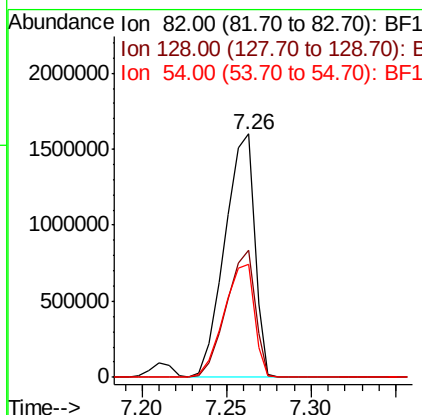
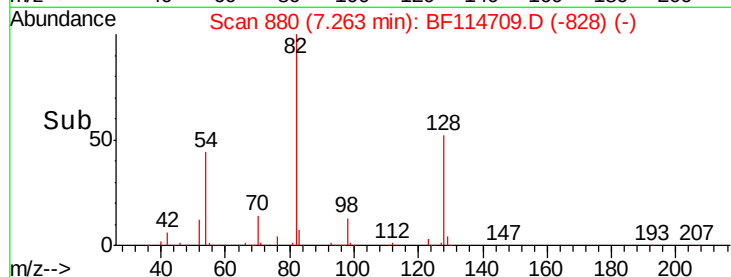
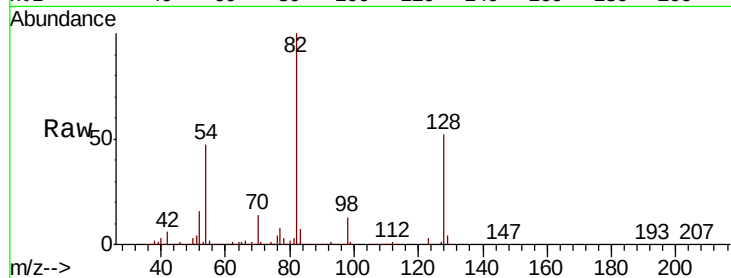
#23  
 Nitrobenzene-d5  
 Concen: 91.873 ng  
 RT: 7.26 min Scan# 880  
 Delta R.T. 0.01 min  
 Lab File: BF114709.D  
 Acq: 31 May 2019 15:38

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-6MS

| Tot Ion | 82    | Resp  | 1960742 |
|---------|-------|-------|---------|
| Ion     | Ratio | Lower | Upper   |
| 82      | 100   |       |         |
| 128     | 52.2  | 38.5  | 57.7    |
| 54      | 46.6  | 39.1  | 58.7    |

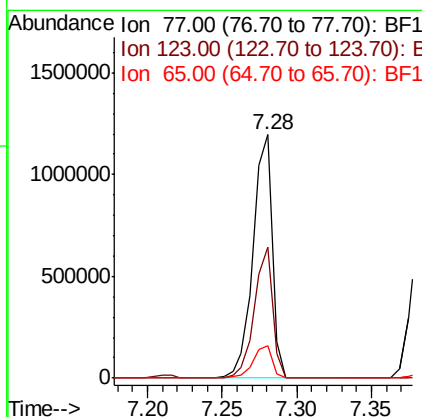
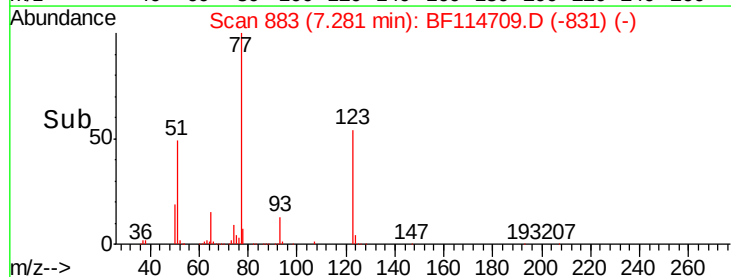
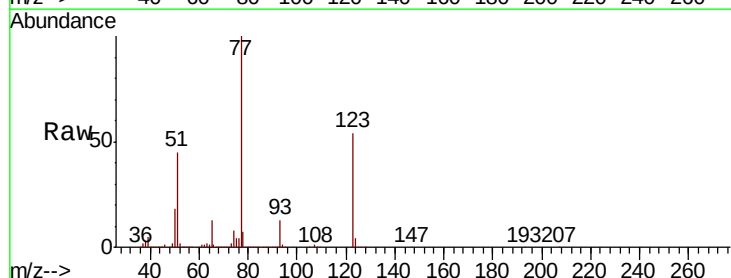
Manual Integrations  
 APPROVED

mohammad  
 6/3/2019 8:49:28 AM

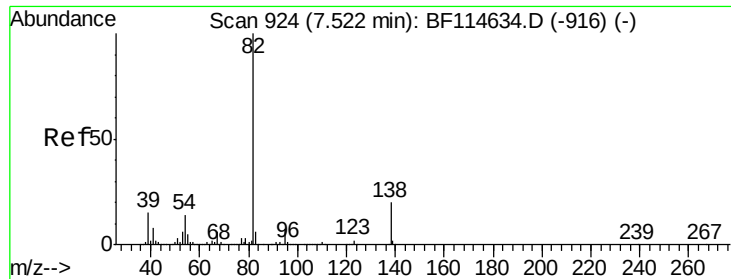


#24  
 Nitrobenzene  
 Concen: 46.650 ng  
 RT: 7.28 min Scan# 883  
 Delta R.T. 0.01 min  
 Lab File: BF114709.D  
 Acq: 31 May 2019 15:38

| Tgt Ion | 77    | Resp  | 1057585 |
|---------|-------|-------|---------|
| Ion     | Ratio | Lower | Upper   |
| 77      | 100   |       |         |
| 123     | 53.8  | 38.5  | 57.7    |
| 65      | 13.1  | 11.2  | 16.8    |







#25

Isophorone

Concen: 45.486 ng

RT: 7.52 min Scan# 924

Delta R.T. -0.00 min

Lab File: BF114709.D

Acq: 31 May 2019 15:38

Instrument :

BNA\_F

ClientSampleId :

TP-6MS

Tot Ion: 82 Resp: 1948176

Ion Ratio Lower Upper

82 100

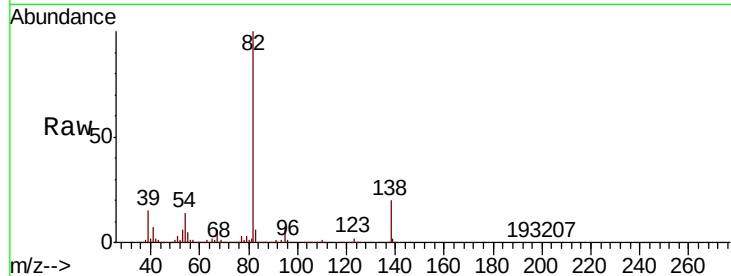
95 7.2 5.6 8.4

138 20.1 15.9 23.9

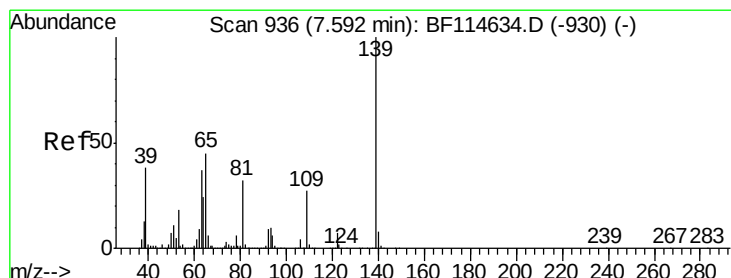
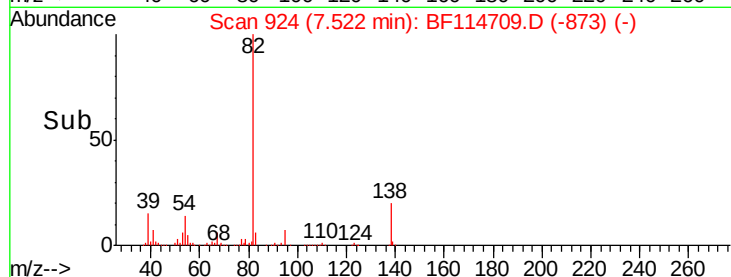
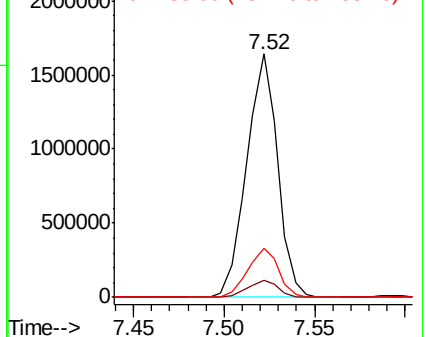
Manual Integrations  
APPROVED

mohammad

6/3/2019 8:49:28 AM



Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 95.00 (94.70 to 95.70): BF1  
Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 52.021 ng

RT: 7.59 min Scan# 936

Delta R.T. -0.00 min

Lab File: BF114709.D

Acq: 31 May 2019 15:38

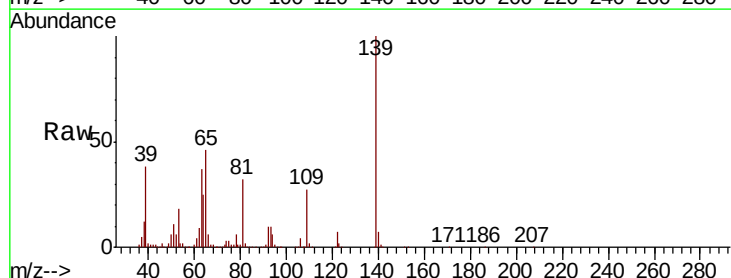
Tgt Ion: 139 Resp: 574074

Ion Ratio Lower Upper

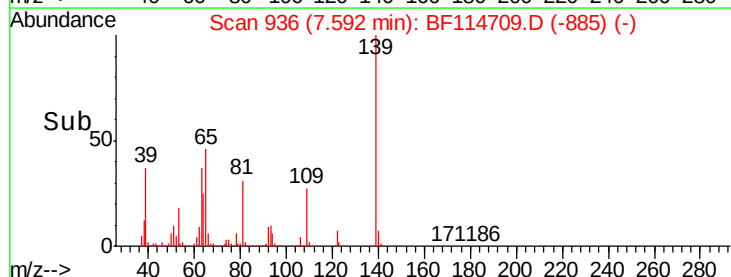
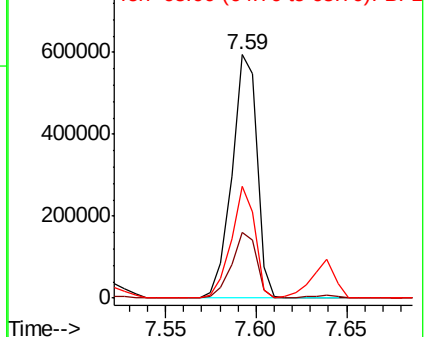
139 100

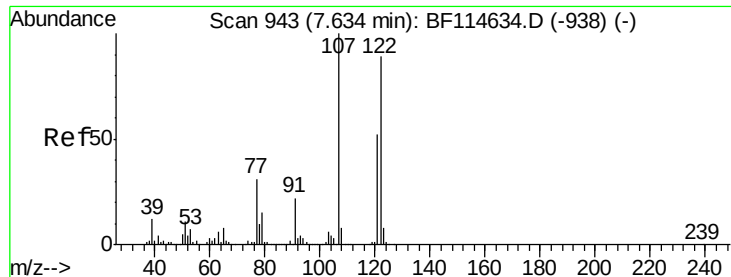
109 27.1 21.7 32.5

65 46.0 36.3 54.5



Abundance Ion 139.00 (138.70 to 139.70): BF1  
Ion 109.00 (108.70 to 109.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1





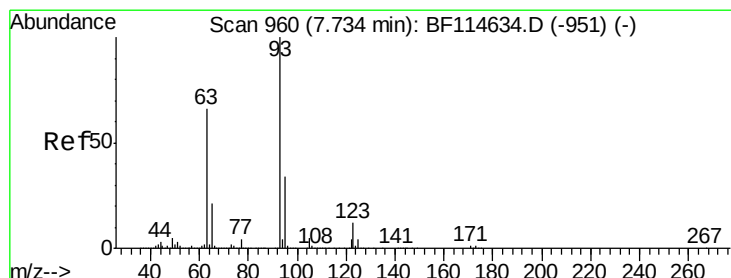
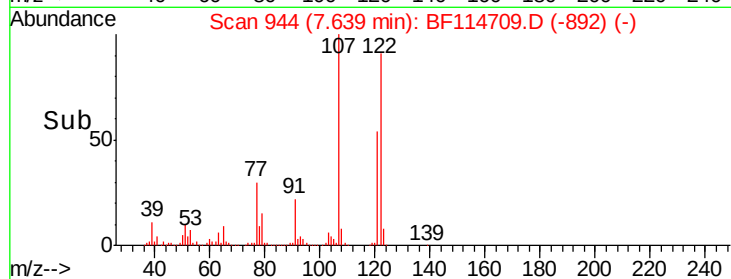
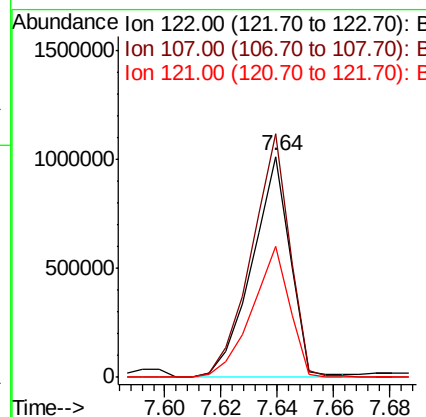
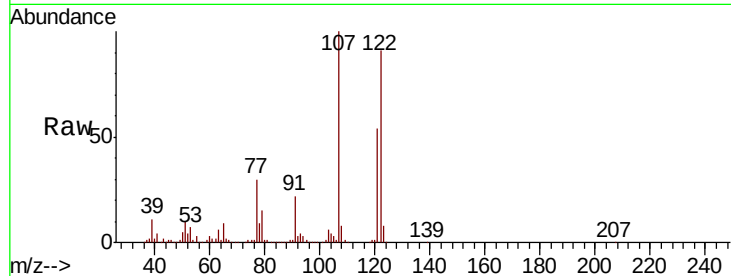
#27  
 2,4-Dimethylphenol  
 Concen: 51.820 ng  
 RT: 7.64 min Scan# 944  
 Delta R.T. 0.01 min  
 Lab File: BF114709.D  
 Acq: 31 May 2019 15:38

Instrument :  
 BNA\_F  
 ClientSampled :  
 TP-6MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 122     | 100   | 951068 |       |       |
| 107     | 110.3 | 89.3   | 133.9 |       |
| 121     | 59.6  | 46.8   | 70.2  |       |

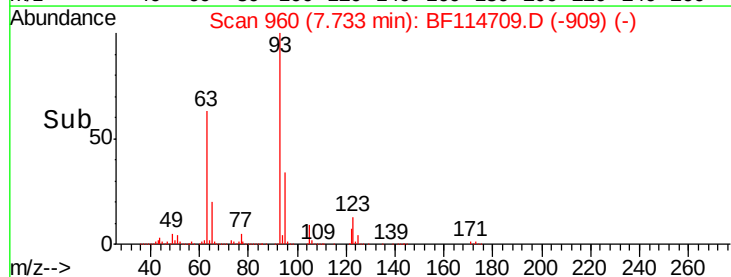
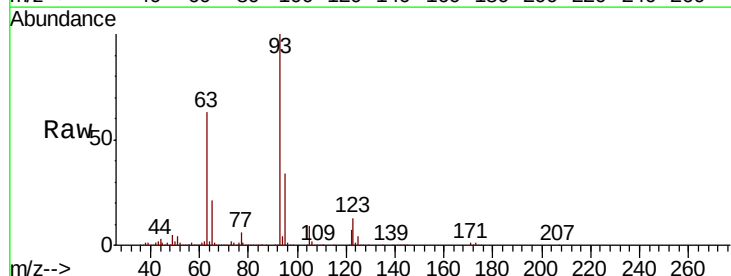
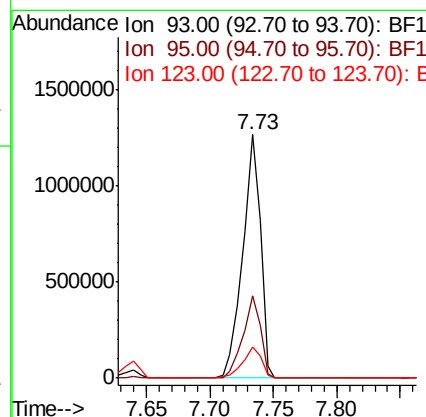
Manual Integrations  
 APPROVED

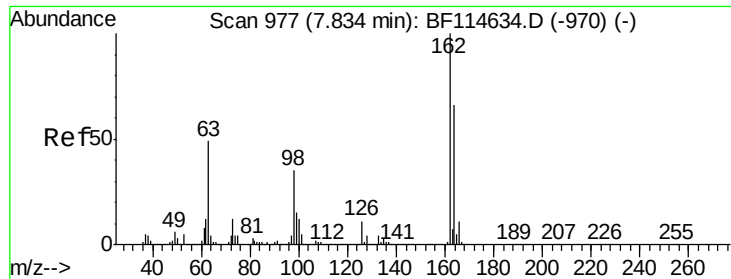
mohammad  
 6/3/2019 8:49:28 AM



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 44.452 ng  
 RT: 7.73 min Scan# 960  
 Delta R.T. -0.00 min  
 Lab File: BF114709.D  
 Acq: 31 May 2019 15:38

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 93      | 100   | 1211982 |       |       |
| 95      | 33.7  | 27.0    | 40.4  |       |
| 123     | 12.7  | 10.2    | 15.2  |       |





#29

2,4-Dichlorophenol

Concen: 49.052 ng

RT: 7.84 min Scan# 978

Delta R.T. 0.01 min

Lab File: BF114709.D

Acq: 31 May 2019 15:38

Instrument :

BNA\_F

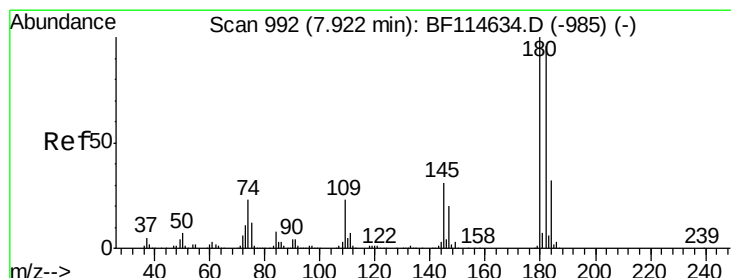
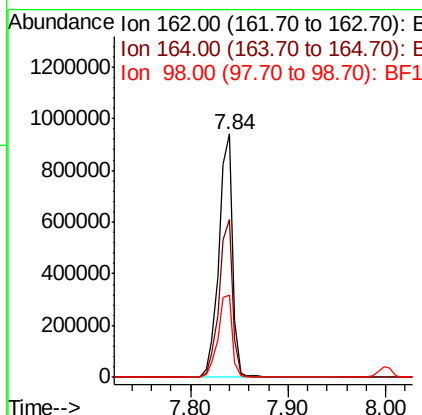
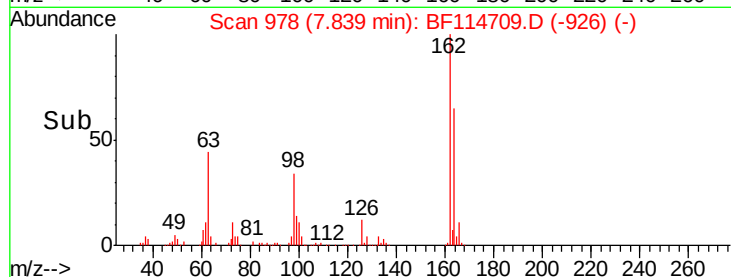
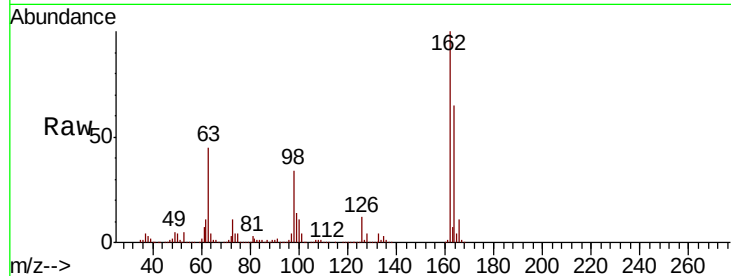
ClientSampleId :

TP-6MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 162   | Resp: | 916326 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 164       | 64.8  | 45.8  | 85.8   |
| 98        | 33.6  | 14.9  | 54.9   |

Manual Integrations  
APPROVED

mohammad  
6/3/2019 8:49:28 AM



#30

1,2,4-Trichlorobenzene

Concen: 45.732 ng

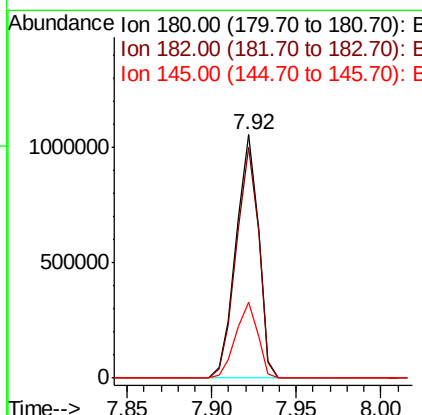
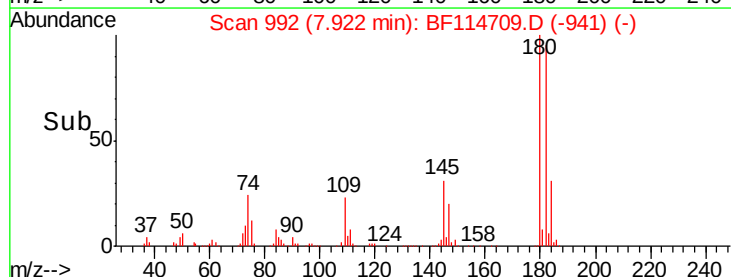
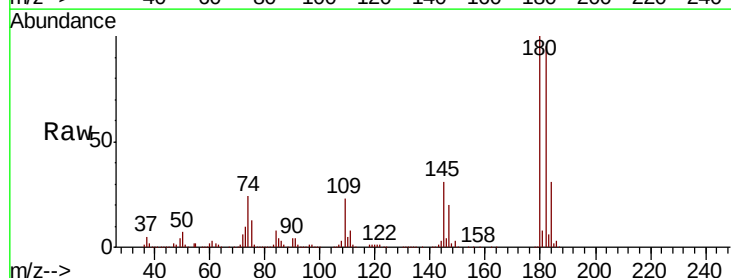
RT: 7.92 min Scan# 992

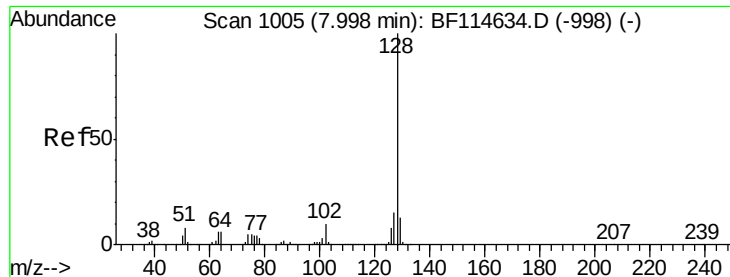
Delta R.T. -0.00 min

Lab File: BF114709.D

Acq: 31 May 2019 15:38

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 973329 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 94.8  | 76.9  | 115.3  |
| 145       | 31.1  | 24.5  | 36.7   |





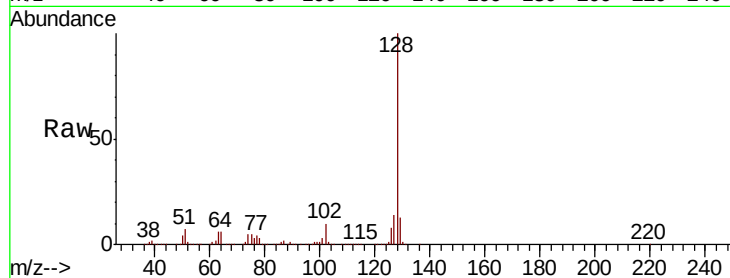
#31  
Naphthalene  
Concen: 45.830 ng  
RT: 8.00 min Scan# 1005  
Delta R.T. -0.00 min  
Lab File: BF114709.D  
Acq: 31 May 2019 15:38

Instrument :  
BNA\_F  
ClientSampleId :  
TP-6MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 12.6  | 10.2  | 15.2  |
| 127     | 14.4  | 11.9  | 17.9  |

Manual Integrations  
APPROVED

mohammad  
6/3/2019 8:49:28 AM

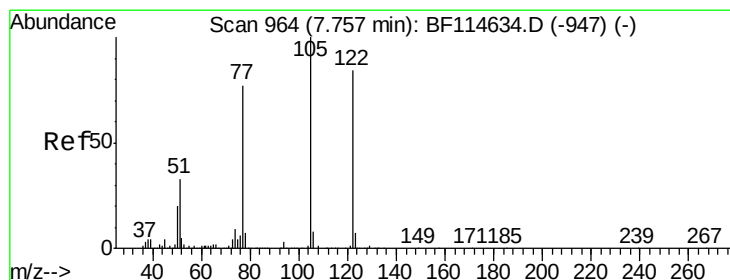
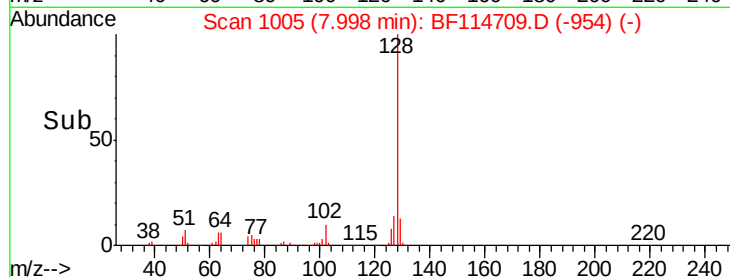
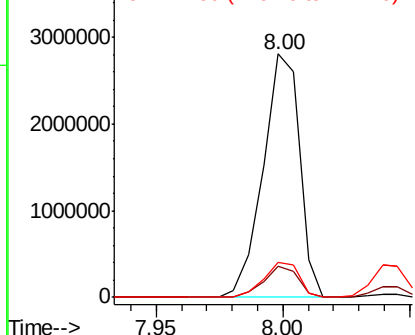


Abundance

Ion 128.00 (127.70 to 128.70): E

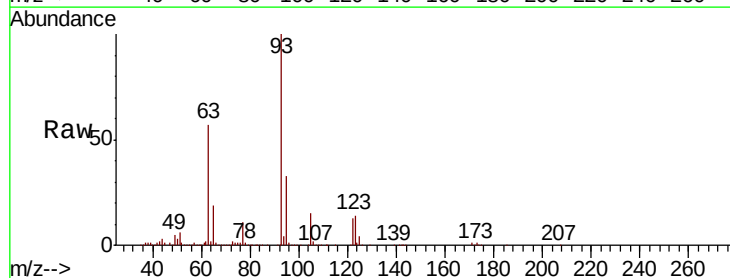
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32  
Benzoic acid  
Concen: 24.117 ng m  
RT: 7.74 min Scan# 961  
Delta R.T. -0.02 min  
Lab File: BF114709.D  
Acq: 31 May 2019 15:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 105     | 120.0 | 98.3  | 138.3 |
| 77      | 88.1  | 70.7  | 110.7 |

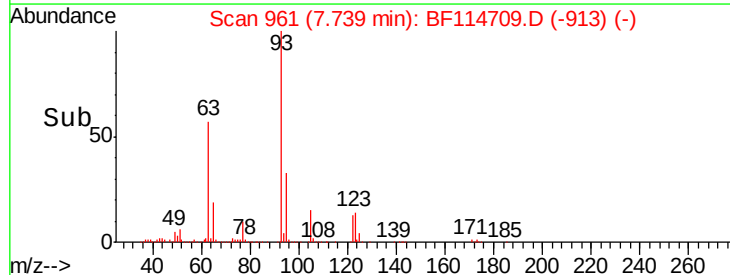
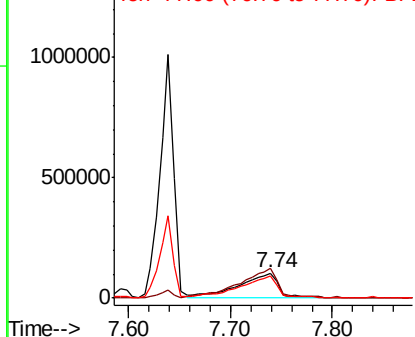


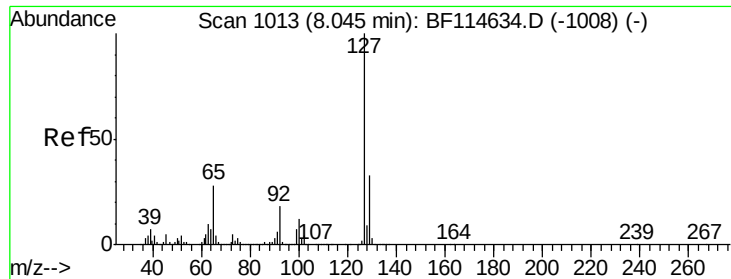
Abundance

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





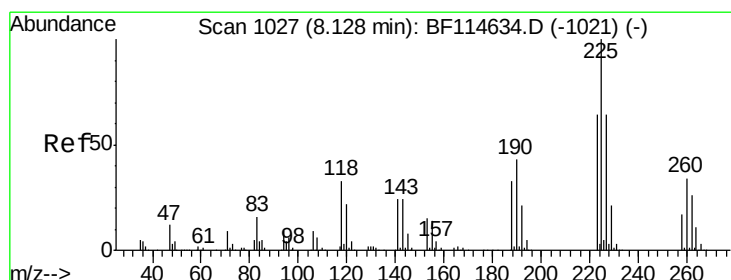
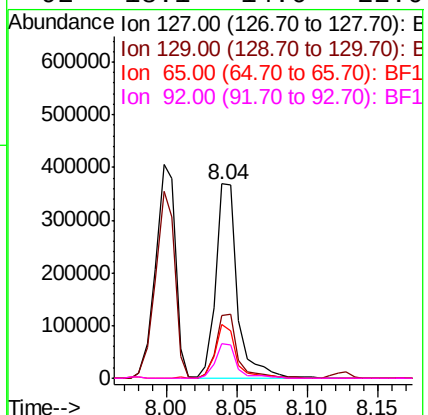
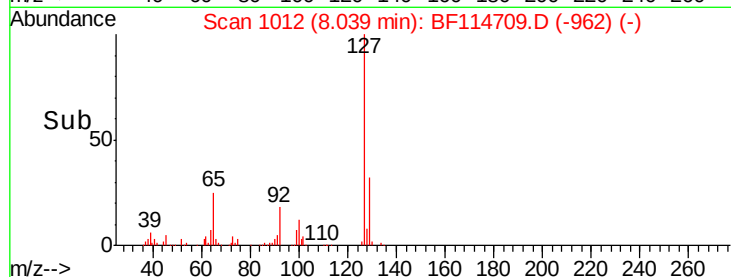
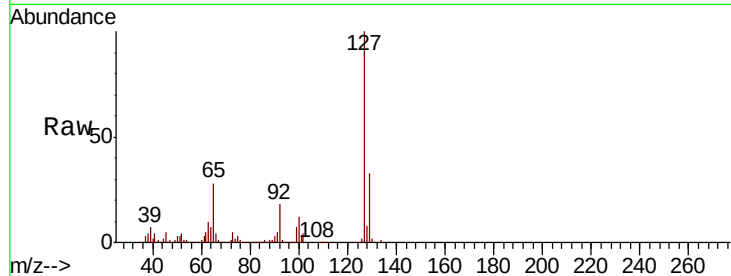
#33  
4-Chloroaniline  
Concen: 13.431 ng  
RT: 8.04 min Scan# 1012  
Delta R.T. -0.01 min  
Lab File: BF114709.D  
Acq: 31 May 2019 15:38

Instrument :  
BNA\_F  
ClientSampleId :  
TP-6MS

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 127     | 100  |       |      |       |       |
| 129     | 32.6 | 26.7  | 40.1 |       |       |
| 65      | 28.0 | 22.5  | 33.7 |       |       |
| 92      | 18.1 | 14.6  | 22.0 |       |       |

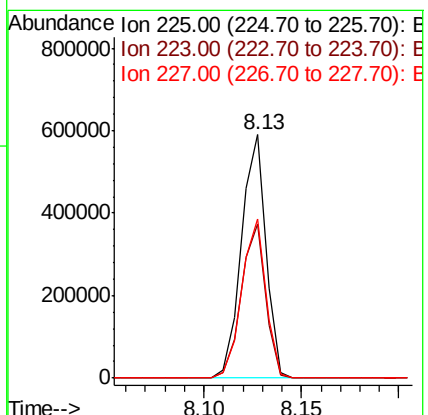
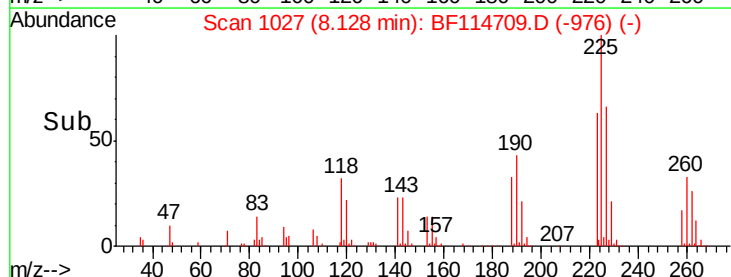
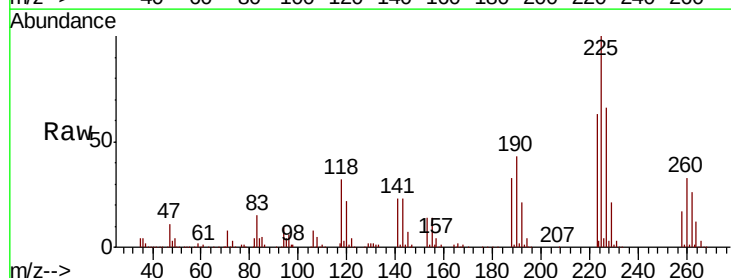
Manual Integrations  
APPROVED

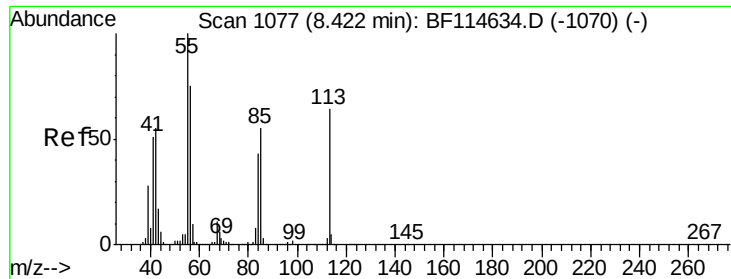
mohammad  
6/3/2019 8:49:28 AM



#34  
Hexachlorobutadiene  
Concen: 43.401 ng  
RT: 8.13 min Scan# 1027  
Delta R.T. -0.00 min  
Lab File: BF114709.D  
Acq: 31 May 2019 15:38

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 225     | 100  |       |      |       |       |
| 223     | 63.3 | 50.9  | 76.3 |       |       |
| 227     | 65.5 | 51.3  | 76.9 |       |       |





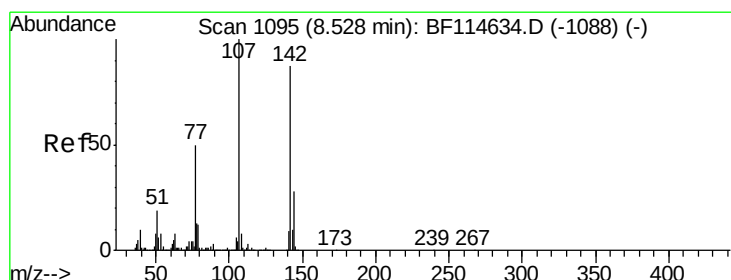
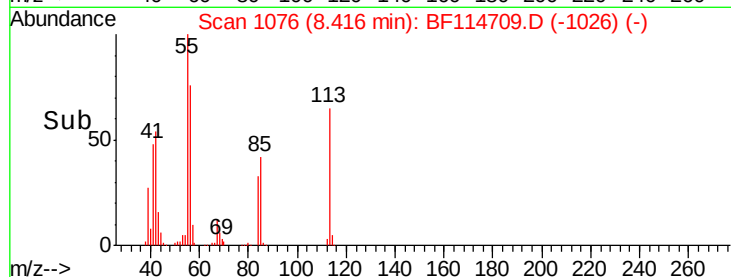
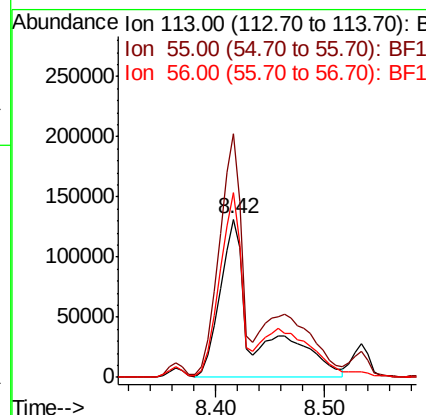
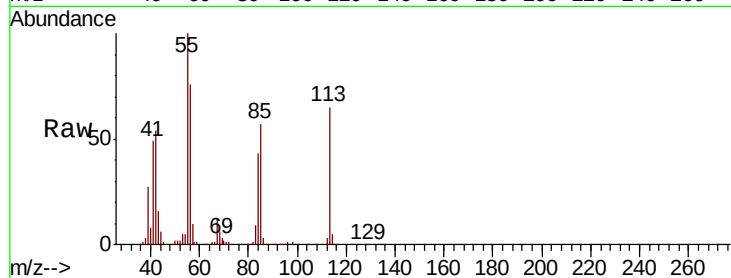
#35  
 Caprolactam  
 Concen: 47.569 ng/ml  
 RT: 8.42 min Scan# 1076  
 Delta R.T. -0.01 min  
 Lab File: BF114709.D  
 Acq: 31 May 2019 15:38

Instrument :  
 BNA\_F  
 ClientSampled :  
 TP-6MS

| Tot Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 113     | 100   |       | 299884 |       |       |
| 55      | 153.9 | 136.4 | 176.4  |       |       |
| 56      | 117.1 | 97.0  | 137.0  |       |       |

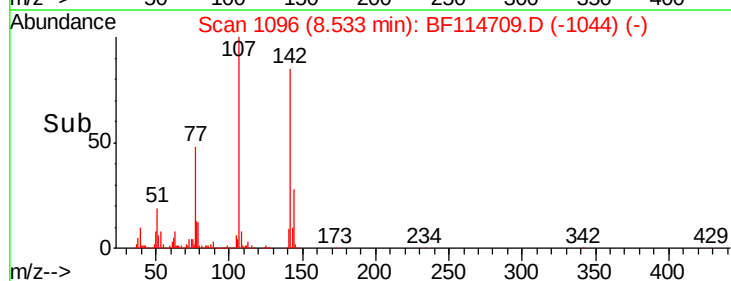
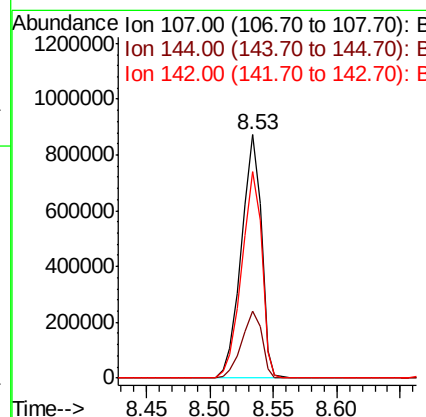
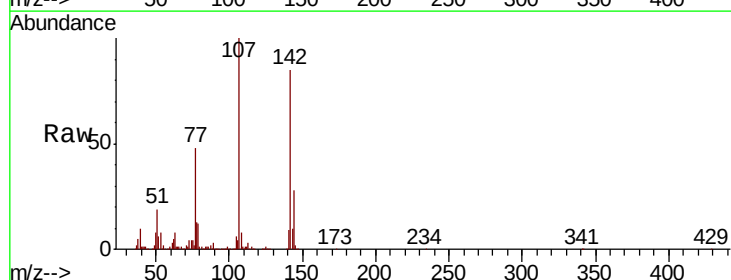
Manual Integrations  
 APPROVED

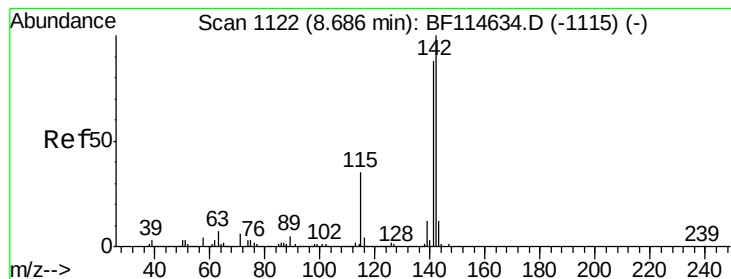
mohammad  
 6/3/2019 8:49:28 AM



#36  
 4-Chloro-3-methylphenol  
 Concen: 50.670 ng/ml  
 RT: 8.53 min Scan# 1096  
 Delta R.T. 0.01 min  
 Lab File: BF114709.D  
 Acq: 31 May 2019 15:38

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 107     | 100  |       | 949260 |       |       |
| 144     | 27.6 | 22.5  | 33.7   |       |       |
| 142     | 84.8 | 69.8  | 104.6  |       |       |





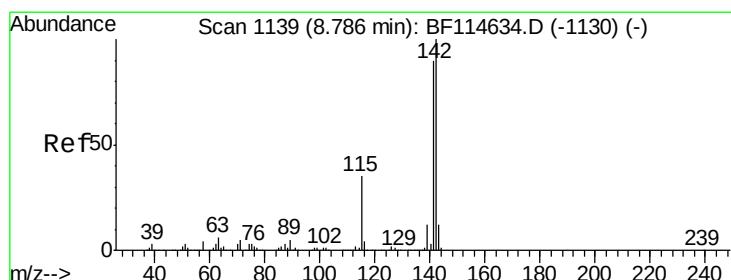
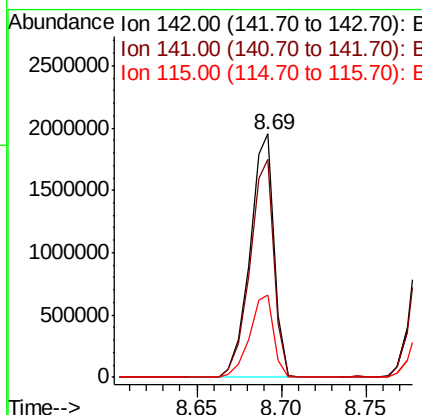
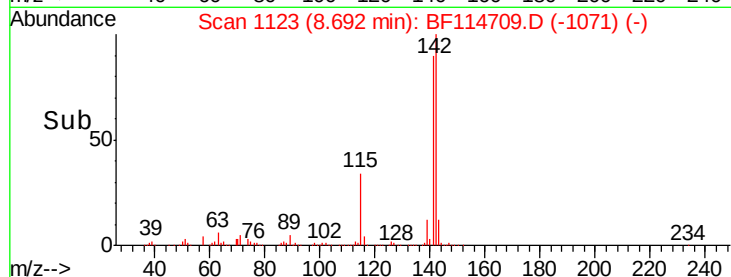
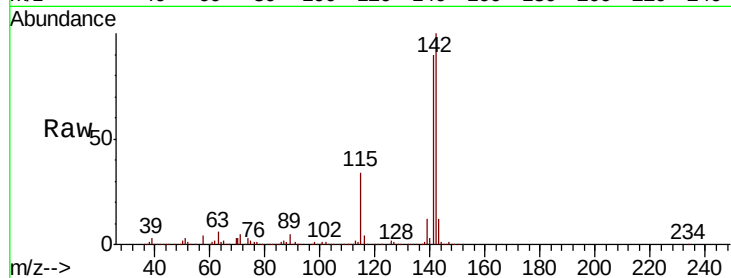
#37  
2-Methylnaphthalene  
Concen: 47.758 ng  
RT: 8.69 min Scan# 1123  
Delta R.T. 0.01 min  
Lab File: BF114709.D  
Acq: 31 May 2019 15:38

Instrument :  
BNA\_F  
ClientSampled :  
TP-6MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 89.6  | 70.3  | 105.5 |
| 115     | 34.0  | 28.0  | 42.0  |

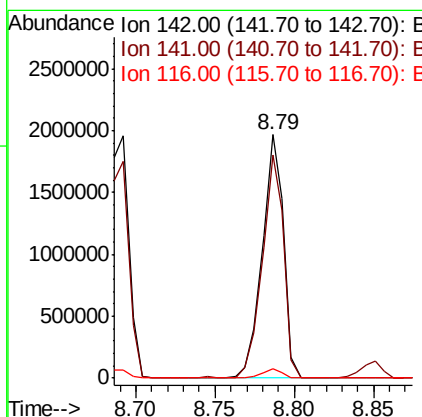
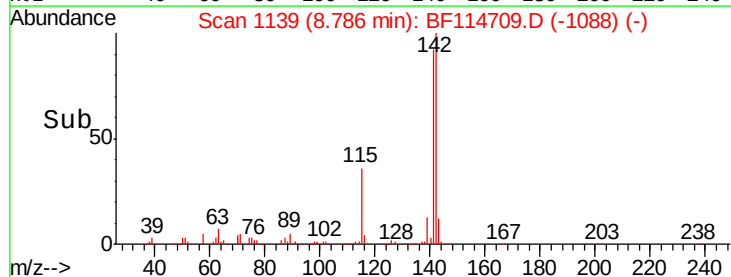
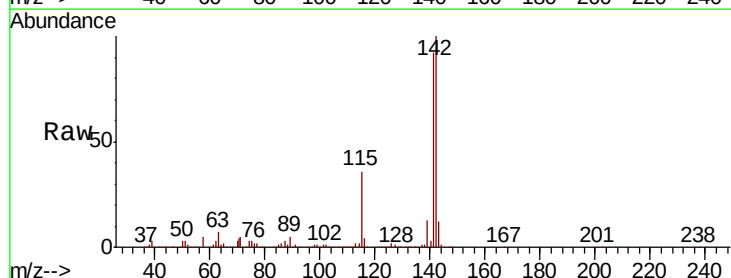
Manual Integrations  
APPROVED

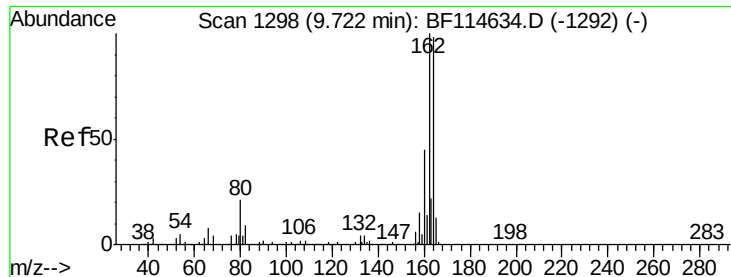
mohammad  
6/3/2019 8:49:28 AM



#38  
1-Methylnaphthalene  
Concen: 47.864 ng  
RT: 8.79 min Scan# 1139  
Delta R.T. -0.00 min  
Lab File: BF114709.D  
Acq: 31 May 2019 15:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 91.5  | 72.3  | 108.5 |
| 116     | 3.9   | 3.0   | 4.4   |





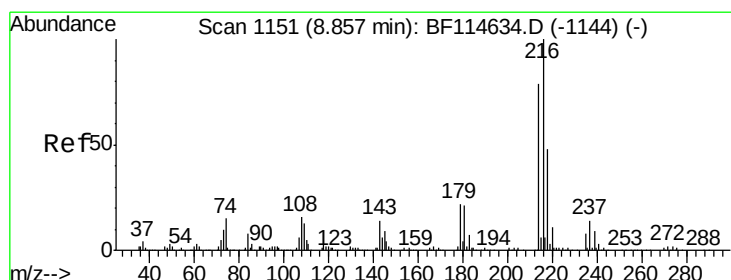
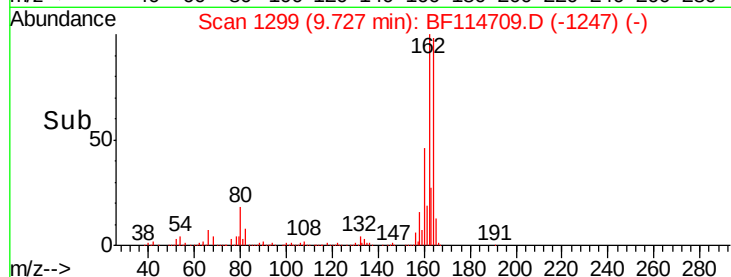
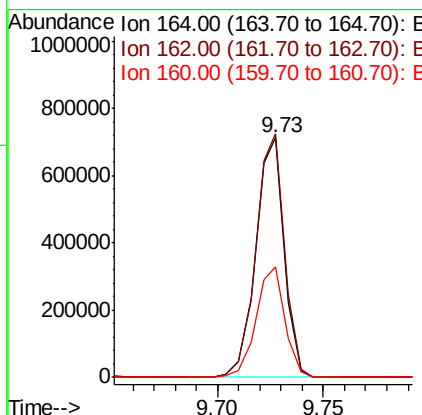
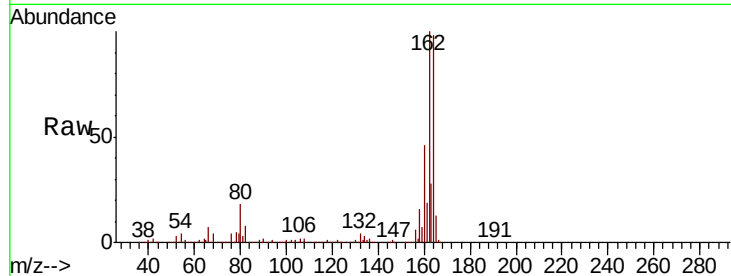
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.73 min Scan# 1299  
Delta R.T. 0.01 min  
Lab File: BF114709.D  
Acq: 31 May 2019 15:38

Instrument :  
BNA\_F  
ClientSampled :  
TP-6MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 662098 |       |       |
| 162     | 101.7 |        | 81.4  | 122.2 |
| 160     | 46.3  |        | 36.6  | 54.8  |

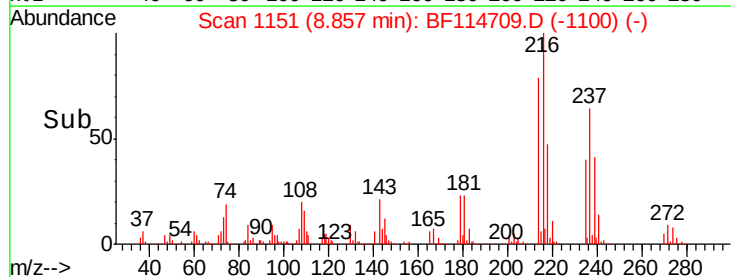
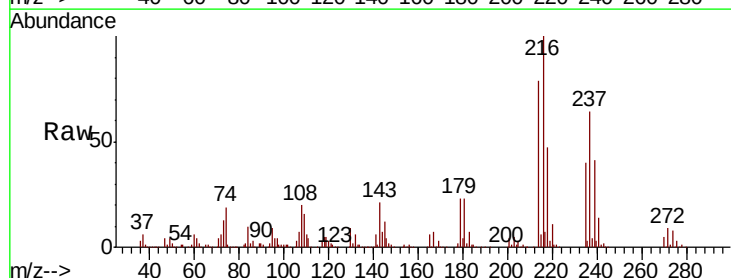
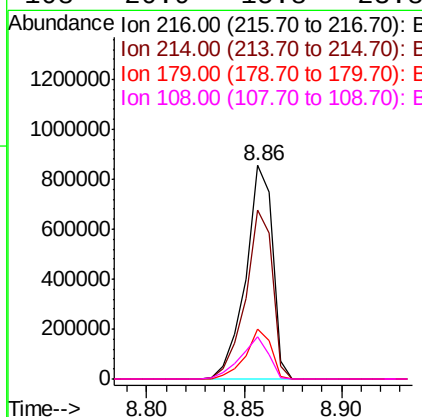
Manual Integrations  
APPROVED

mohammad  
6/3/2019 8:49:28 AM

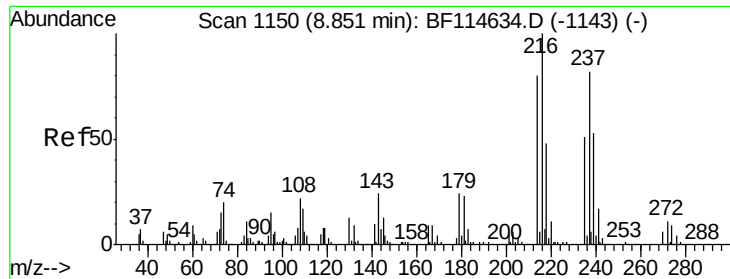


#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 46.274 ng  
RT: 8.86 min Scan# 1151  
Delta R.T. -0.00 min  
Lab File: BF114709.D  
Acq: 31 May 2019 15:38

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 216     | 100   | 815903 |       |       |
| 214     | 79.1  |        | 63.2  | 94.8  |
| 179     | 22.5  |        | 17.9  | 26.9  |
| 108     | 20.9  |        | 15.8  | 23.8  |







#41

Hexachlorocyclopentadiene

Concen: 83.893 ng

RT: 8.85 min Scan# 1150

Delta R.T. -0.00 min

Lab File: BF114709.D

Acq: 31 May 2019 15:38

Instrument :

BNA\_F

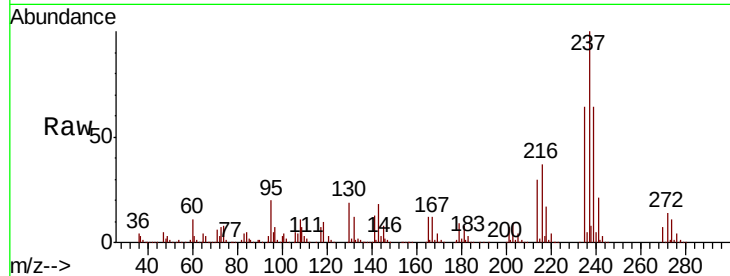
ClientSampled :

TP-6MS

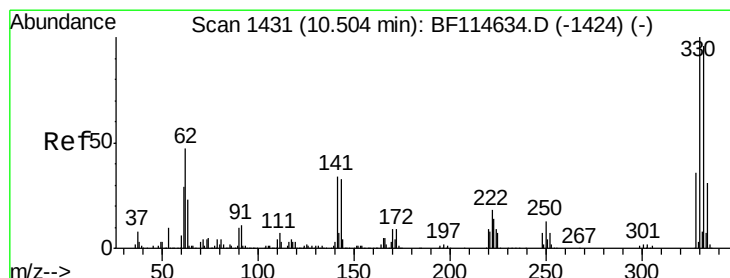
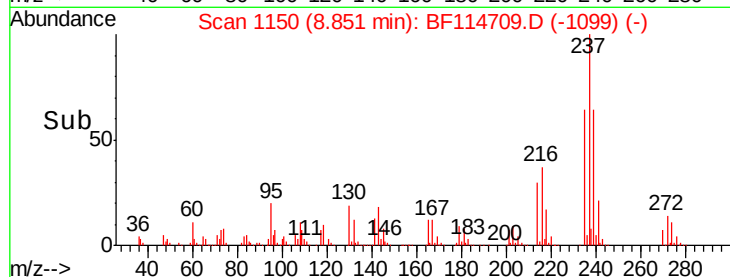
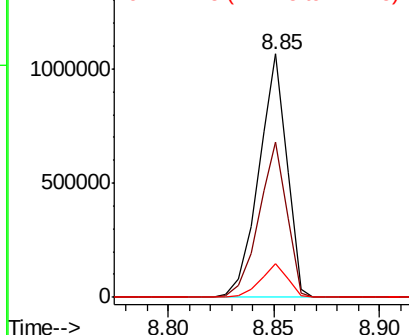
|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 237  | Resp: | 977497 |
| Ion Ratio |      | Lower | Upper  |
| 237       | 100  |       |        |
| 235       | 63.8 | 42.8  | 82.8   |
| 272       | 13.7 | 0.0   | 33.7   |

Manual Integrations  
APPROVED

mohammad  
6/3/2019 8:49:28 AM



Abundance Ion 236.80 (236.50 to 237.50): E  
Ion 234.90 (234.60 to 235.60): E  
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 144.641 ng

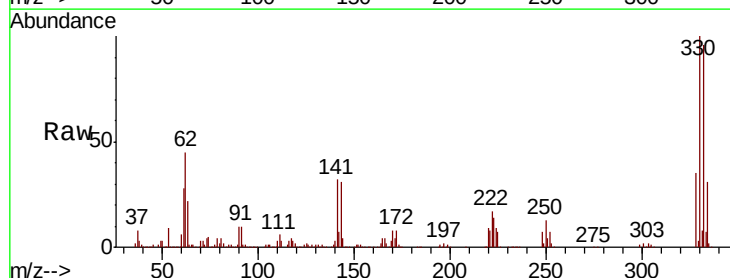
RT: 10.51 min Scan# 1432

Delta R.T. 0.01 min

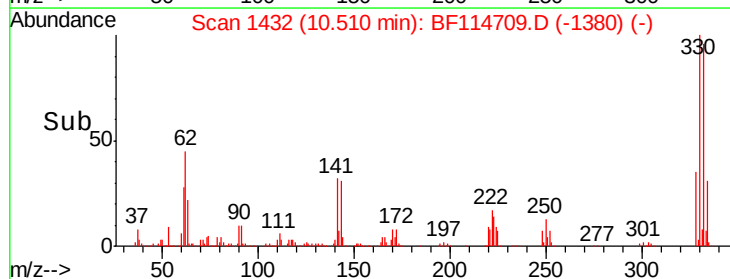
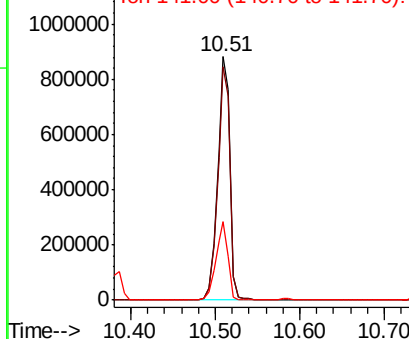
Lab File: BF114709.D

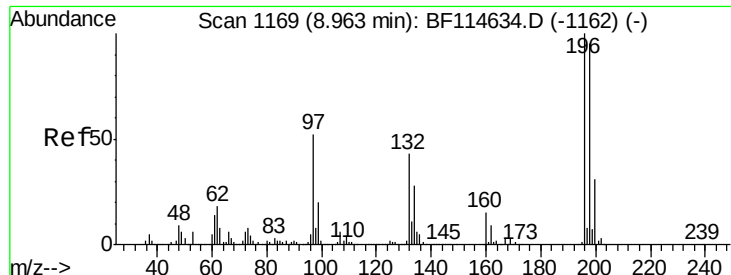
Acq: 31 May 2019 15:38

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 330  | Resp: | 912505 |
| Ion Ratio |      | Lower | Upper  |
| 330       | 100  |       |        |
| 332       | 96.0 | 75.8  | 113.8  |
| 141       | 31.9 | 27.8  | 41.8   |



Abundance Ion 329.80 (329.50 to 330.50): E  
Ion 331.80 (331.50 to 332.50): E  
Ion 141.00 (140.70 to 141.70): E





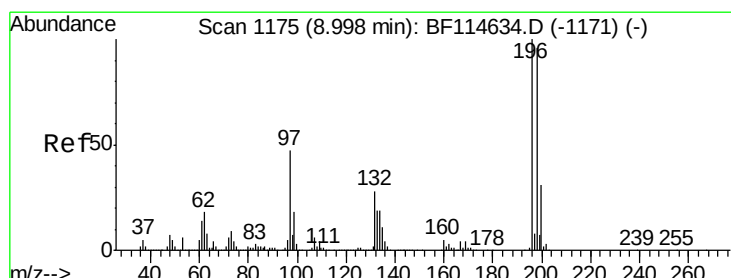
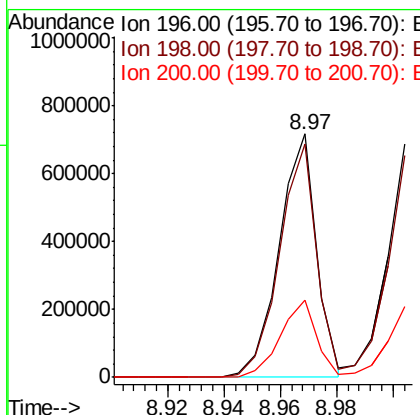
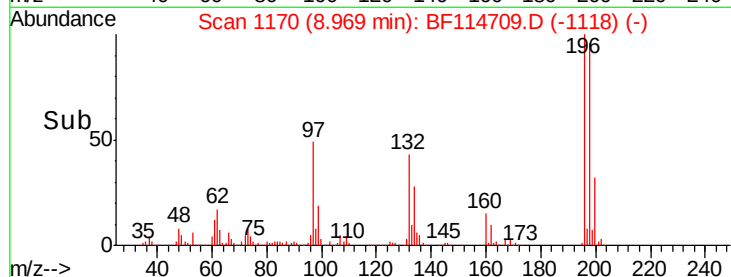
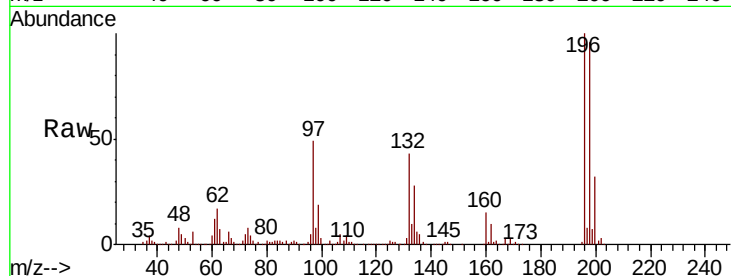
#43  
 2,4,6-Trichlorophenol  
 Concen: 47.292 ng  
 RT: 8.97 min Scan# 1170  
 Delta R.T. 0.01 min  
 Lab File: BF114709.D  
 Acq: 31 May 2019 15:38

Instrument :  
 BNA\_F  
 ClientSampled :  
 TP-6MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 656119 |       |       |
| 198     | 96.1  | 76.1   | 114.1 |       |
| 200     | 31.6  | 24.7   | 37.1  |       |

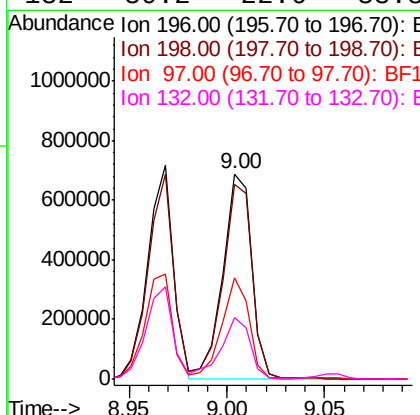
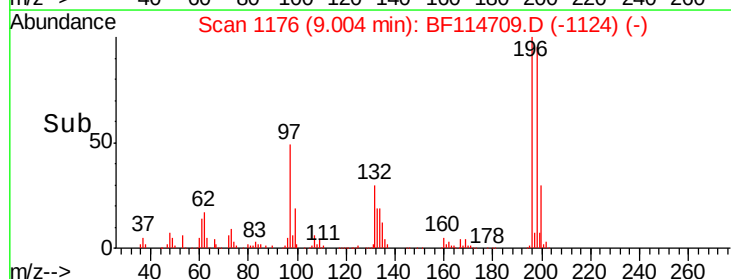
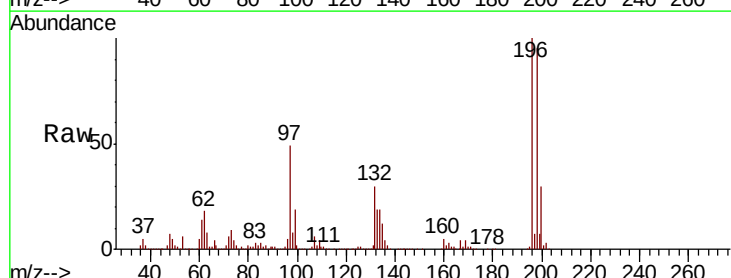
Manual Integrations  
 APPROVED

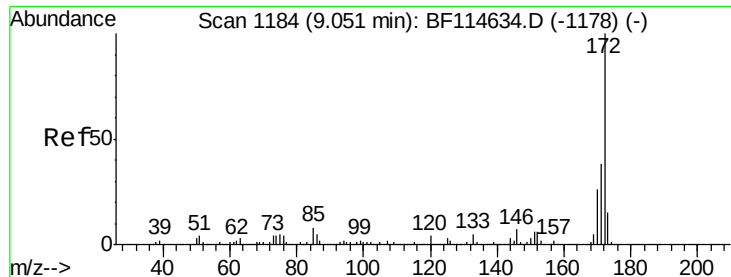
mohammad  
 6/3/2019 8:49:28 AM



#44  
 2,4,5-Trichlorophenol  
 Concen: 51.083 ng  
 RT: 9.00 min Scan# 1176  
 Delta R.T. 0.01 min  
 Lab File: BF114709.D  
 Acq: 31 May 2019 15:38

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 707219 |       |       |
| 198     | 95.0  | 76.8   | 115.2 |       |
| 97      | 49.1  | 37.8   | 56.8  |       |
| 132     | 30.2  | 22.6   | 33.8  |       |





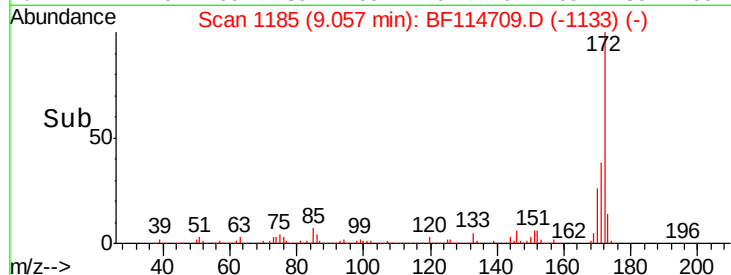
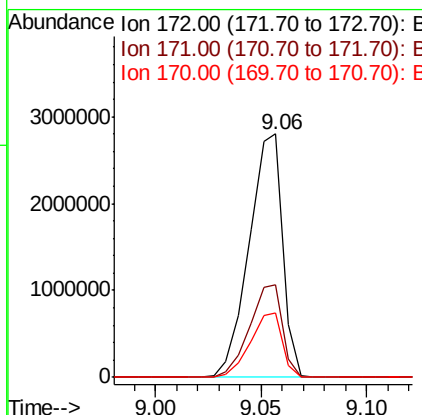
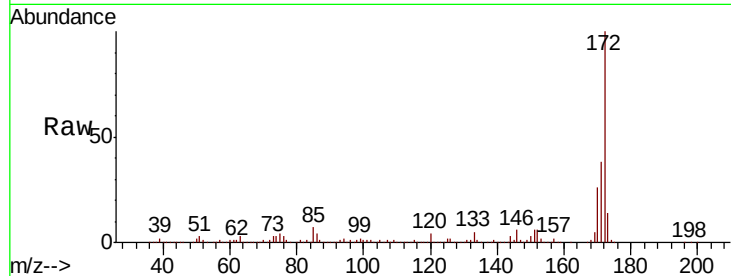
#45  
2-Fluorobiphenyl  
Concen: 88.153 ng  
RT: 9.06 min Scan# 1185  
Delta R.T. 0.01 min  
Lab File: BF114709.D  
Acq: 31 May 2019 15:38

Instrument :  
BNA\_F  
ClientSampleId :  
TP-6MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.2  | 30.6  | 45.8  |
| 170     | 26.3  | 20.7  | 31.1  |

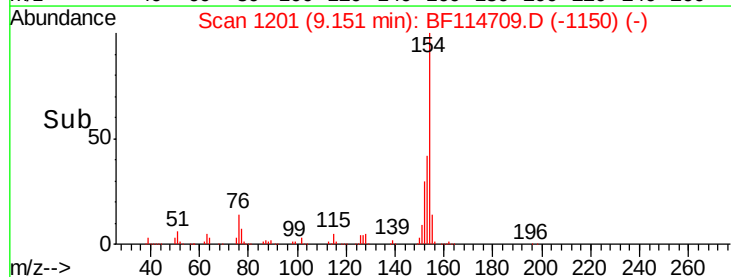
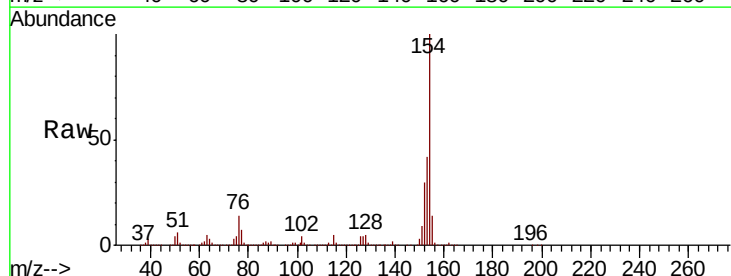
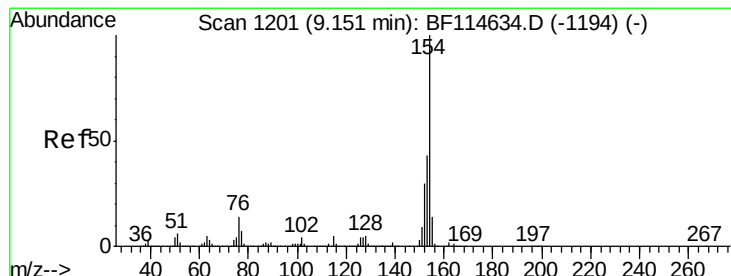
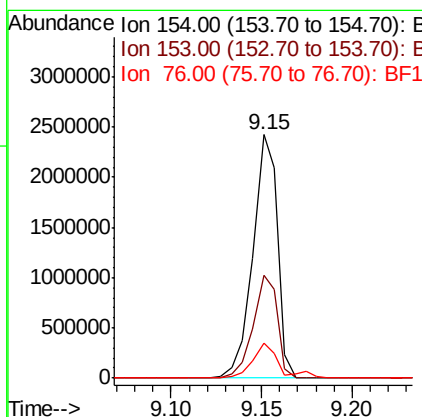
Manual Integrations  
APPROVED

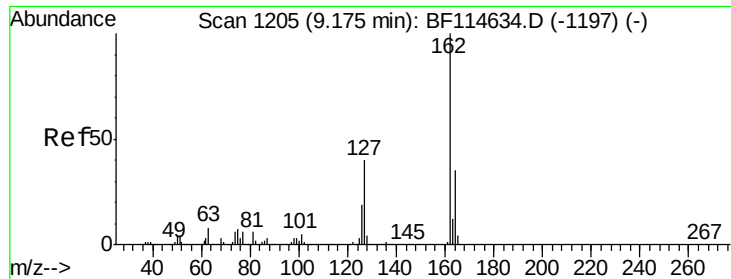
mohammad  
6/3/2019 8:49:28 AM



#46  
1,1'-Biphenyl  
Concen: 46.163 ng  
RT: 9.15 min Scan# 1201  
Delta R.T. -0.00 min  
Lab File: BF114709.D  
Acq: 31 May 2019 15:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 42.5  | 23.0  | 63.0  |
| 76      | 14.2  | 0.0   | 33.9  |





#47

2-Chloronaphthalene

Concen: 45.694 ng

RT: 9.17 min Scan# 1205

Delta R.T. -0.00 min

Lab File: BF114709.D

Acq: 31 May 2019 15:38

Instrument :

BNA\_F

ClientSampled :

TP-6MS

Tot Ion:162 Resp: 1842202

Ion Ratio Lower Upper

162 100

127 42.8 32.2 48.2

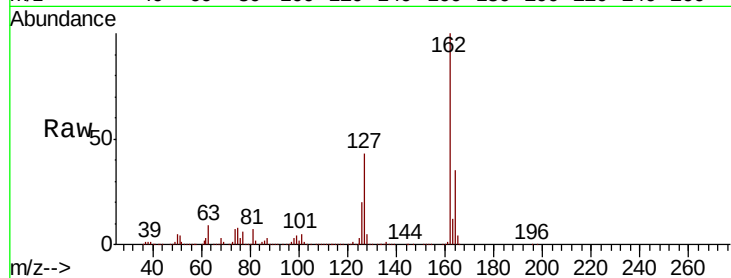
164 34.7 27.8 41.6

Manual Integrations

APPROVED

mohammad

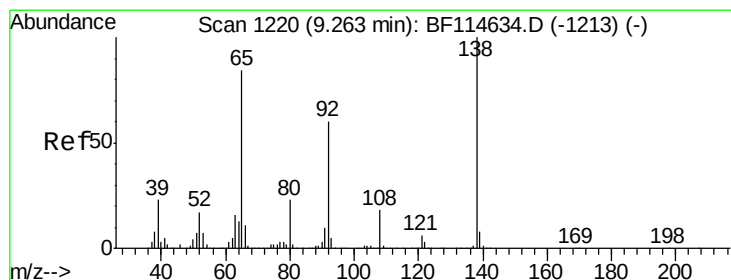
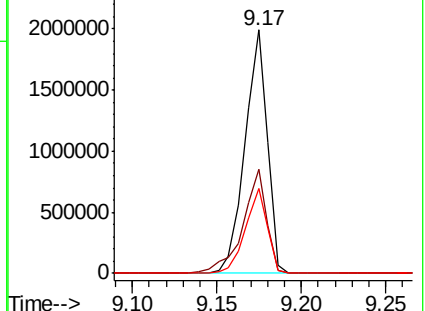
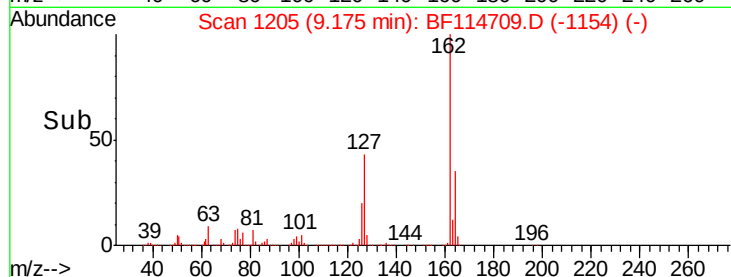
6/3/2019 8:49:28 AM



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: 46.795 ng

RT: 9.27 min Scan# 1221

Delta R.T. 0.01 min

Lab File: BF114709.D

Acq: 31 May 2019 15:38

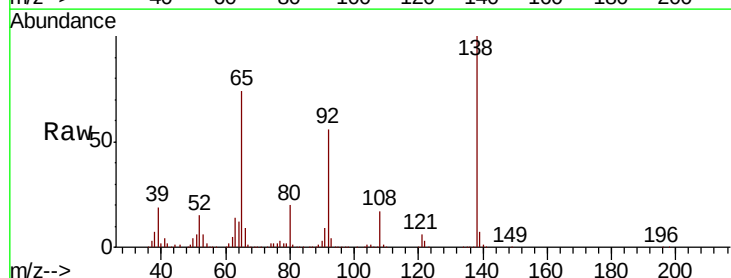
Tgt Ion: 65 Resp: 582190

Ion Ratio Lower Upper

65 100

92 76.4 57.1 85.7

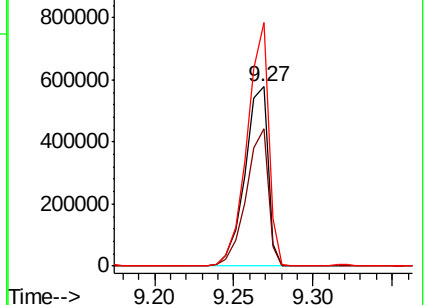
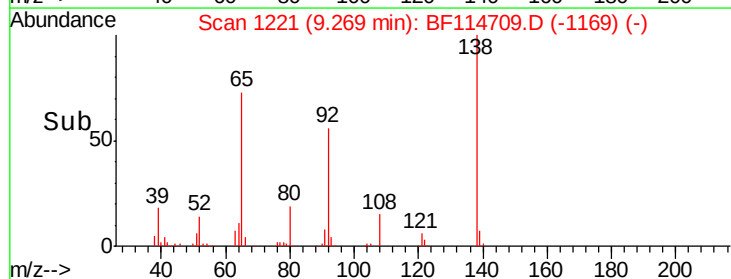
138 135.8 95.8 143.6

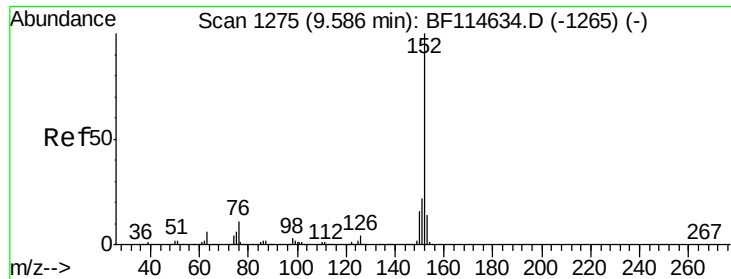


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 45.761 ng

RT: 9.59 min Scan# 1275

Delta R.T. -0.00 min

Lab File: BF114709.D

Acq: 31 May 2019 15:38

Instrument :

BNA\_F

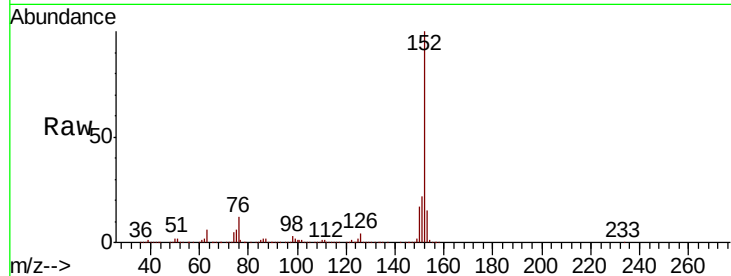
ClientSampleId :

TP-6MS

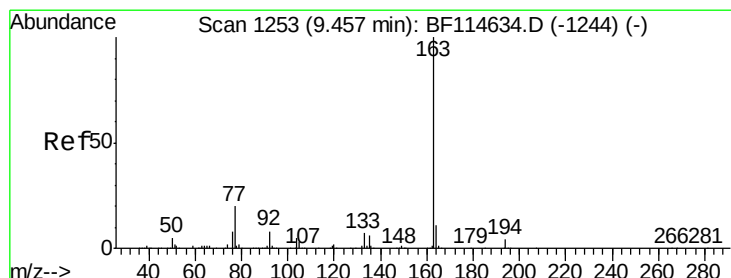
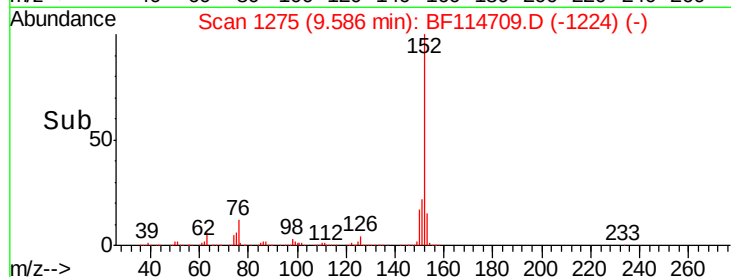
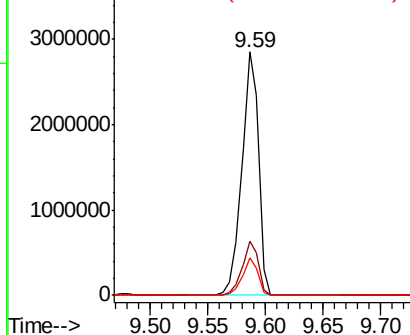
|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 152   | Resp: | 2850140 |
| Ion      | Ratio | Lower | Upper   |
| 152      | 100   |       |         |
| 151      | 22.3  | 17.5  | 26.3    |
| 153      | 15.3  | 11.6  | 17.4    |

Manual Integrations  
APPROVED

mohammad  
6/3/2019 8:49:28 AM



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: 58.144 ng

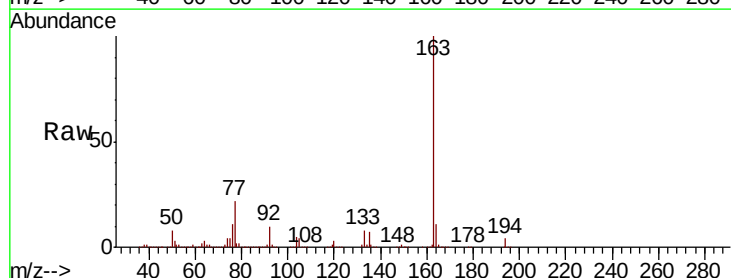
RT: 9.46 min Scan# 1253

Delta R.T. -0.00 min

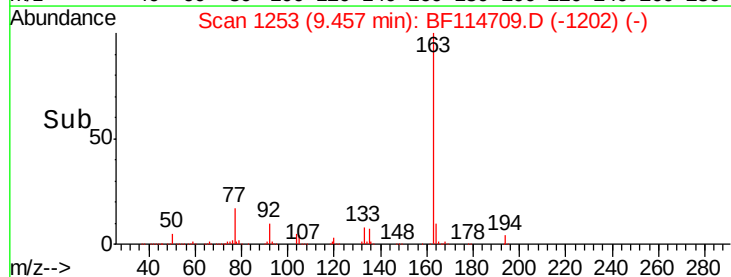
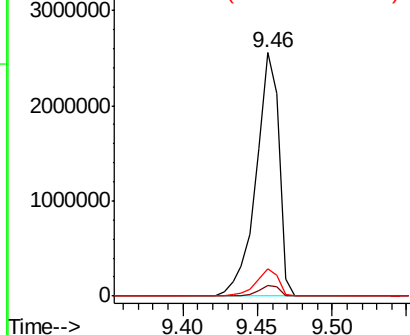
Lab File: BF114709.D

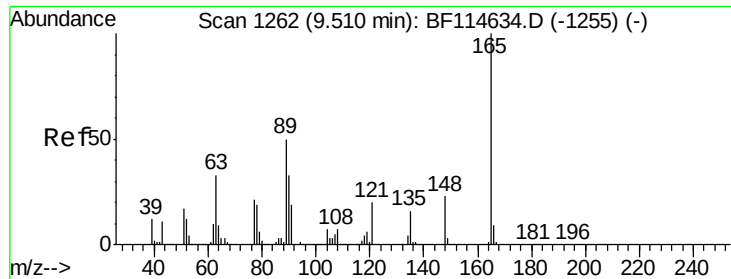
Acq: 31 May 2019 15:38

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 163   | Resp: | 2682528 |
| Ion      | Ratio | Lower | Upper   |
| 163      | 100   |       |         |
| 194      | 4.3   | 3.4   | 5.0     |
| 164      | 11.5  | 8.6   | 13.0    |



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: 50.048 ng

RT: 9.51 min Scan# 1262

Delta R.T. -0.00 min

Lab File: BF114709.D

Acq: 31 May 2019 15:38

Instrument :

BNA\_F

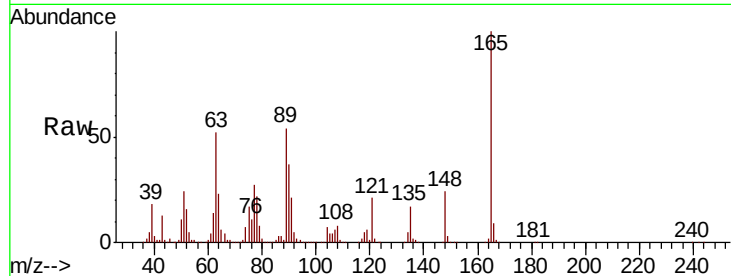
ClientSampled :

TP-6MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 165   | Resp: | 536529 |
| Ion Ratio | Lower | Upper |        |
| 165       | 100   |       |        |
| 63        | 51.6  | 36.6  | 54.8   |
| 89        | 54.3  | 40.2  | 60.4   |

Manual Integrations  
APPROVED

mohammad  
6/3/2019 8:49:28 AM

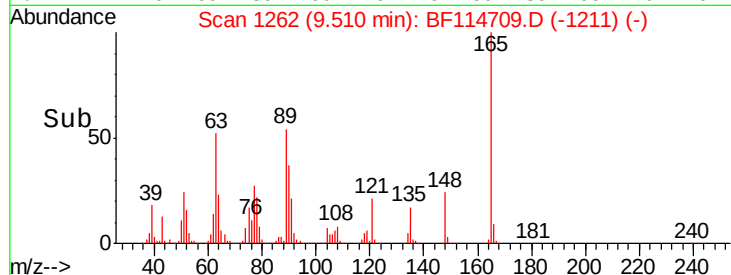


Abundance Ion 165.00 (164.70 to 165.70): E

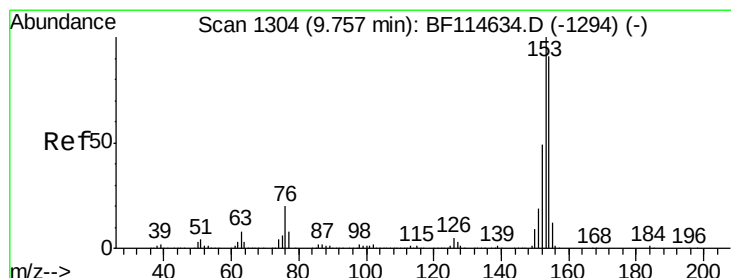
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Time-->



Time-->



#52

Acenaphthene

Concen: 49.111 ng

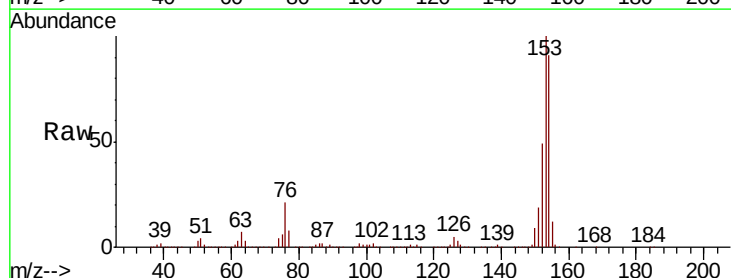
RT: 9.76 min Scan# 1304

Delta R.T. -0.00 min

Lab File: BF114709.D

Acq: 31 May 2019 15:38

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 154   | Resp: | 1875893 |
| Ion Ratio | Lower | Upper |         |
| 154       | 100   |       |         |
| 153       | 110.1 | 88.4  | 132.6   |
| 152       | 54.1  | 43.4  | 65.0    |

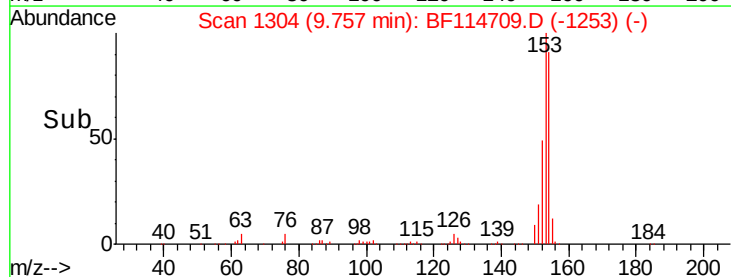


Abundance Ion 154.00 (153.70 to 154.70): E

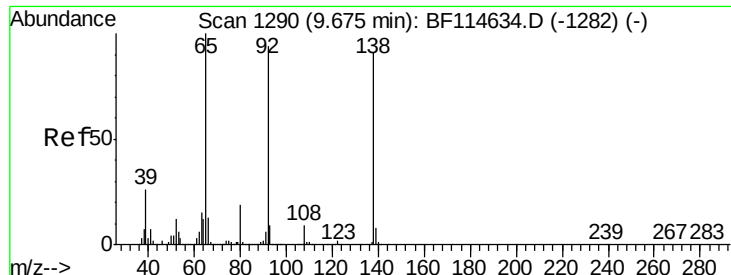
Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Time-->



Time-->



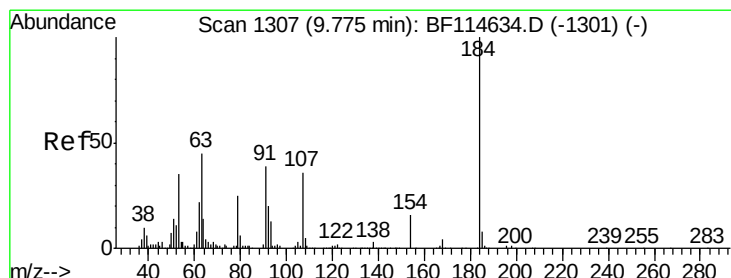
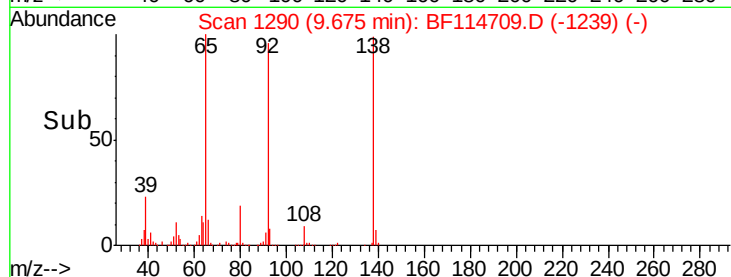
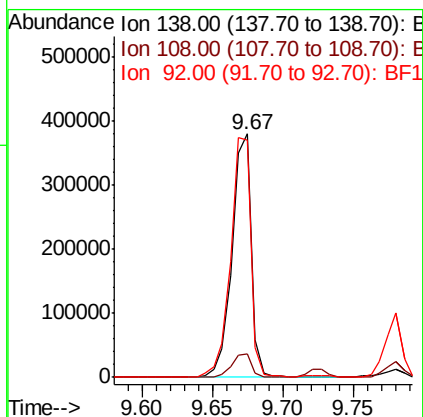
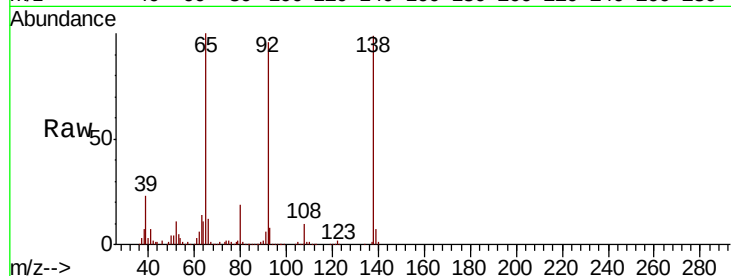
#53  
3-Nitroaniline  
Concen: 27.431 ng  
RT: 9.67 min Scan# 1290  
Delta R.T. -0.00 min  
Lab File: BF114709.D  
Acq: 31 May 2019 15:38

Instrument :  
BNA\_F  
ClientSampled :  
TP-6MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 108     | 9.6   | 8.3   | 12.5  |
| 92      | 97.4  | 83.1  | 124.7 |

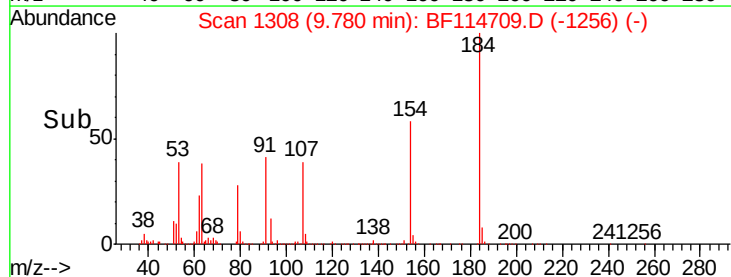
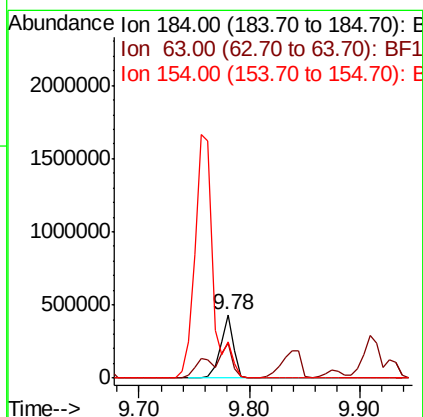
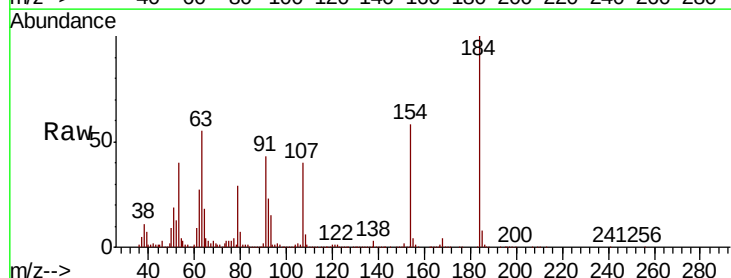
Manual Integrations  
APPROVED

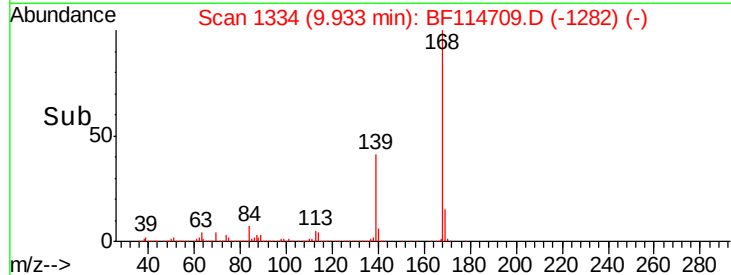
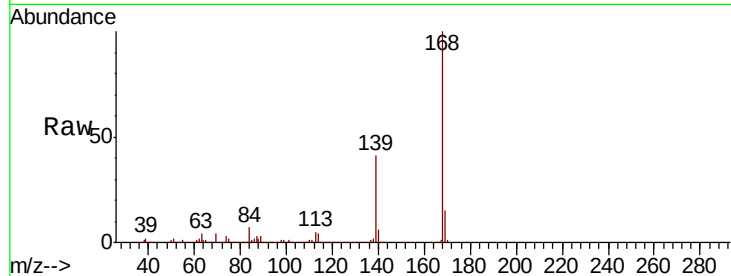
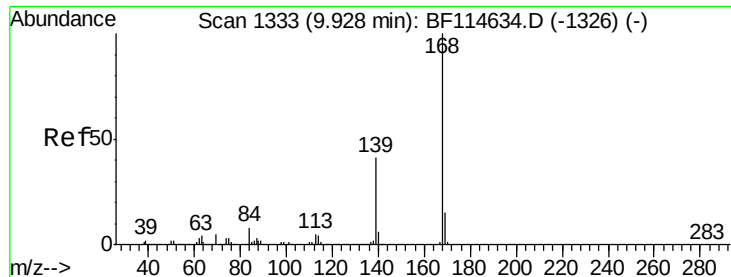
mohammad  
6/3/2019 8:49:28 AM



#54  
2,4-Dinitrophenol  
Concen: 84.314 ng  
RT: 9.78 min Scan# 1308  
Delta R.T. 0.01 min  
Lab File: BF114709.D  
Acq: 31 May 2019 15:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 63      | 55.1  | 38.8  | 58.2  |
| 154     | 57.8  | 43.7  | 65.5  |





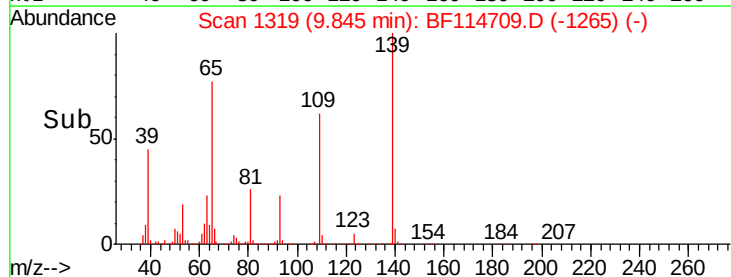
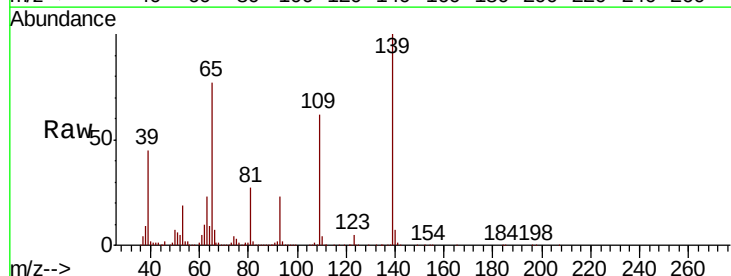
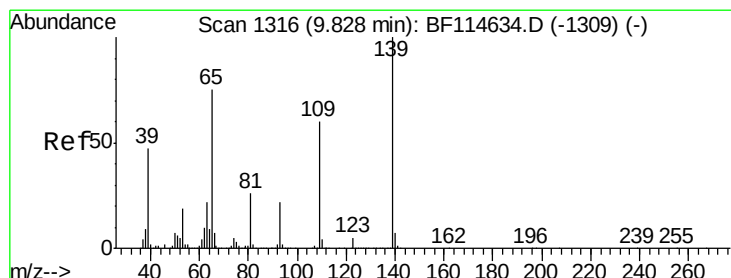
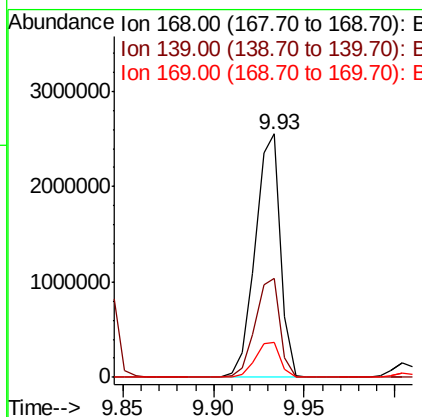
#55  
Dibenzofuran  
Concen: 45.212 ng  
RT: 9.93 min Scan# 1334  
Delta R.T. 0.01 min  
Lab File: BF114709.D  
Acq: 31 May 2019 15:38

|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 168   | Resp: | 2458221 |
| Ion      | Ratio | Lower | Upper   |
| 168      | 100   |       |         |
| 139      | 40.6  | 32.6  | 48.8    |
| 169      | 14.5  | 11.8  | 17.8    |

Instrument :  
BNA\_F  
ClientSampleId :  
TP-6MS

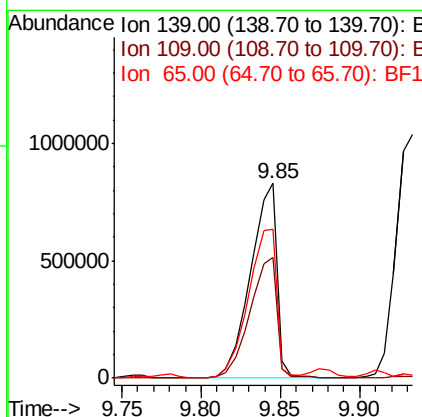
Manual Integrations  
APPROVED

mohammad  
6/3/2019 8:49:28 AM

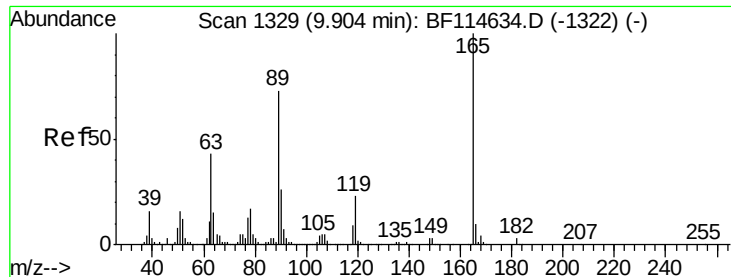


#56  
4-Nitrophenol  
Concen: 98.971 ng  
RT: 9.85 min Scan# 1319  
Delta R.T. 0.02 min  
Lab File: BF114709.D  
Acq: 31 May 2019 15:38

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 139   | Resp: | 962305 |
| Ion      | Ratio | Lower | Upper  |
| 139      | 100   |       |        |
| 109      | 61.9  | 40.4  | 80.4   |
| 65       | 76.8  | 54.7  | 94.7   |







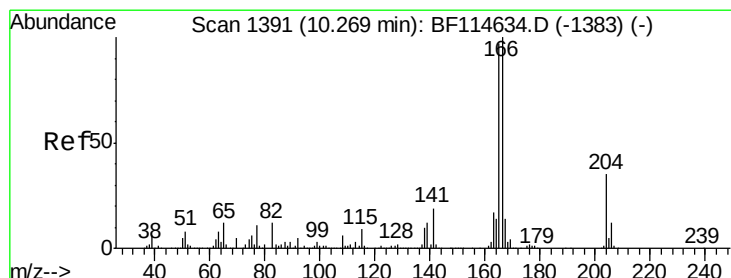
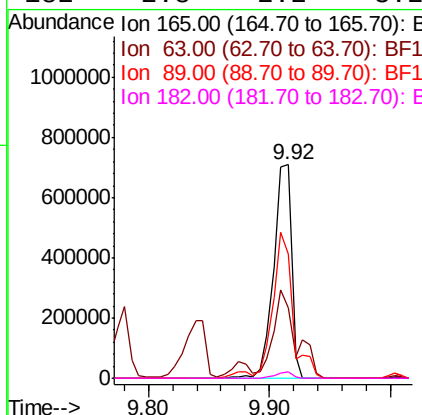
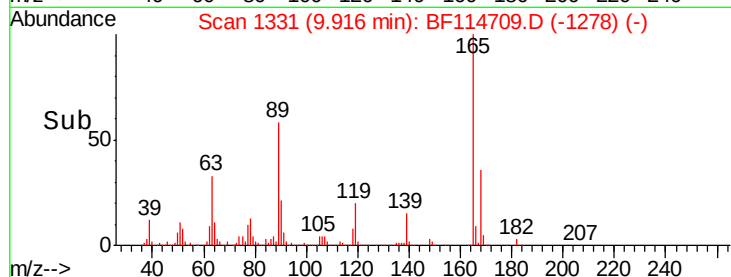
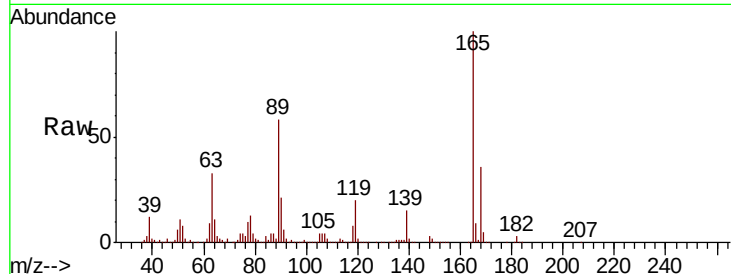
#57  
2,4-Dinitrotoluene  
Concen: 52.663 ng  
RT: 9.92 min Scan# 1331  
Delta R.T. 0.01 min  
Lab File: BF114709.D  
Acq: 31 May 2019 15:38

Instrument :  
BNA\_F  
ClientSampleId :  
TP-6MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 724566 |       |       |
| 63      | 33.1  | 34.8   | 52.2# |       |
| 89      | 58.2  | 58.5   | 87.7# |       |
| 182     | 2.8   | 2.2    | 3.2   |       |

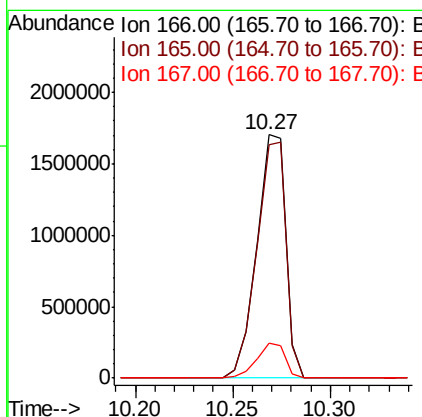
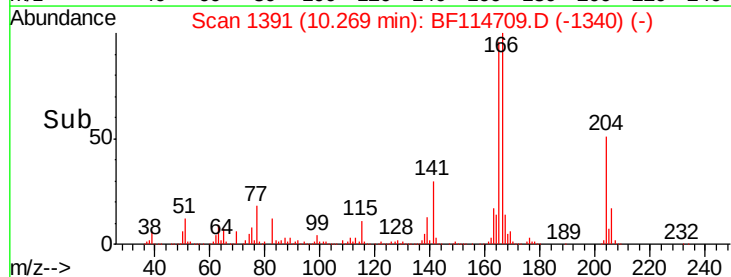
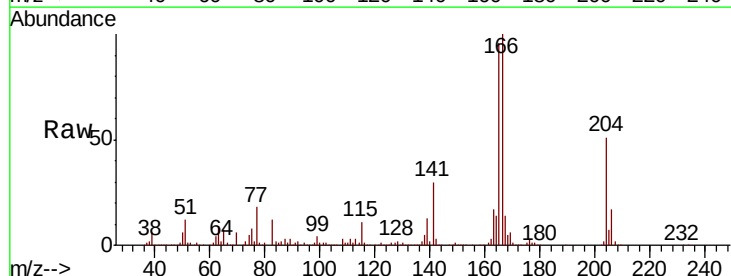
Manual Integrations  
APPROVED

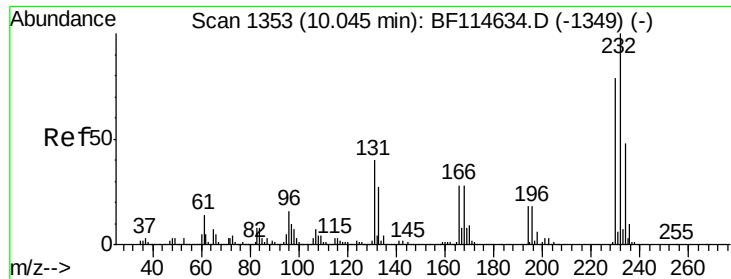
mohammad  
6/3/2019 8:49:28 AM



#58  
Fluorene  
Concen: 50.478 ng  
RT: 10.27 min Scan# 1391  
Delta R.T. 0.00 min  
Lab File: BF114709.D  
Acq: 31 May 2019 15:38

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 166     | 100   | 1758482 |       |       |
| 165     | 95.9  | 77.6    | 116.4 |       |
| 167     | 14.1  | 11.2    | 16.8  |       |





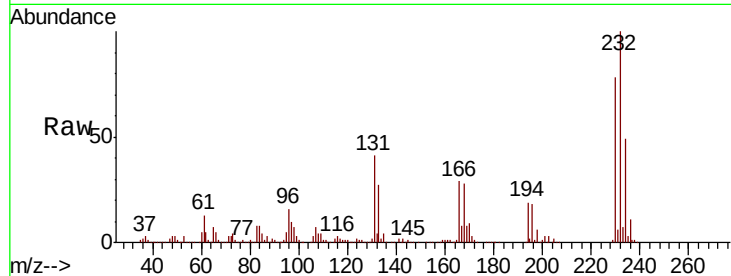
#59  
2,3,4,6-Tetrachlorophenol  
Concen: 50.623 ng  
RT: 10.05 min Scan# 1354  
Delta R.T. 0.01 min  
Lab File: BF114709.D  
Acq: 31 May 2019 15:38

Instrument :  
BNA\_F  
ClientSampled :  
TP-6MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 232     | 100   | 573661 |       |       |
| 131     | 46.0  |        | 37.2  | 55.8  |
| 130     | 2.2   |        | 1.8   | 2.8   |
| 166     | 30.6  |        | 24.8  | 37.2  |

Manual Integrations  
APPROVED

mohammad  
6/3/2019 8:49:28 AM



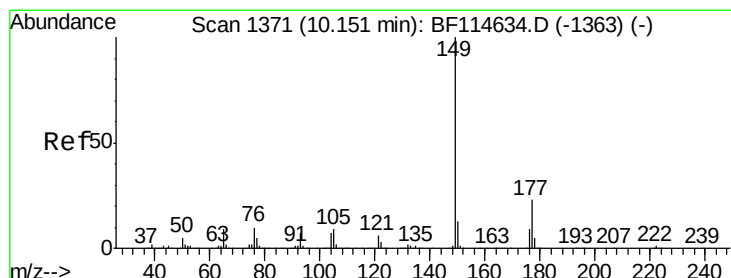
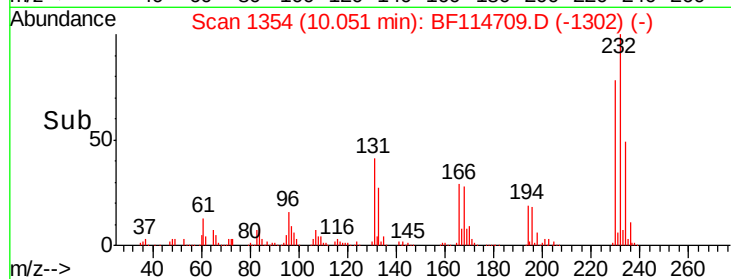
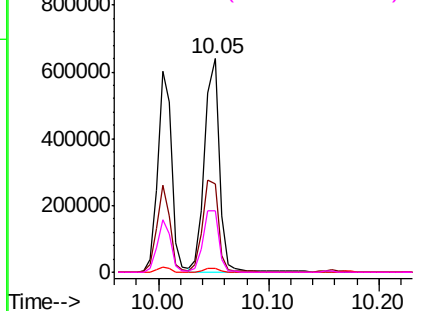
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

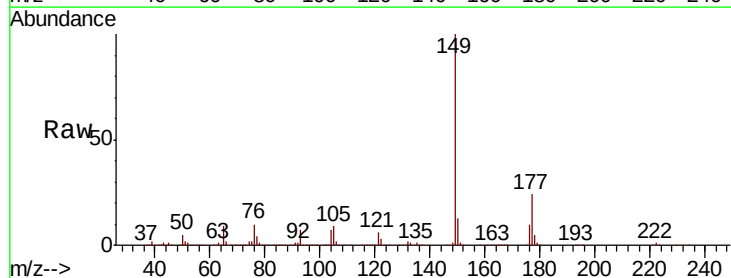
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60  
Diethylphthalate  
Concen: 46.502 ng  
RT: 10.16 min Scan# 1372  
Delta R.T. 0.01 min  
Lab File: BF114709.D  
Acq: 31 May 2019 15:38

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 149     | 100   | 2191209 |       |       |
| 177     | 24.2  |         | 18.6  | 28.0  |
| 150     | 13.3  |         | 10.6  | 15.8  |

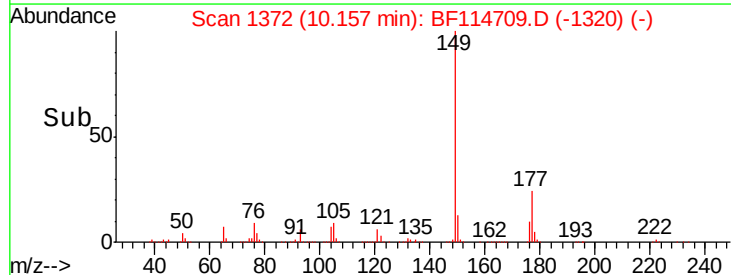
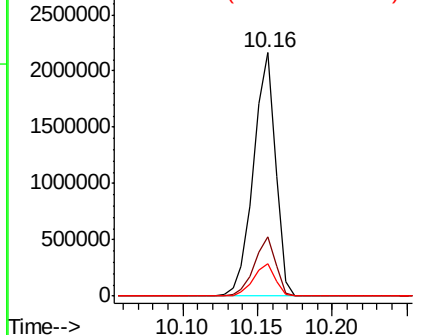


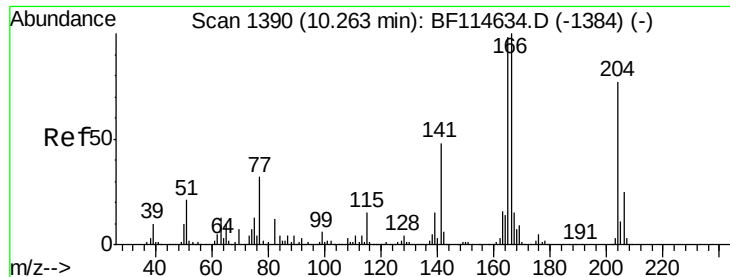
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#61

4-Chlorophenyl-phenylether

Concen: 49.108 ng

RT: 10.26 min Scan# 1390

Delta R.T. 0.00 min

Lab File: BF114709.D

Acq: 31 May 2019 15:38

Instrument :

BNA\_F

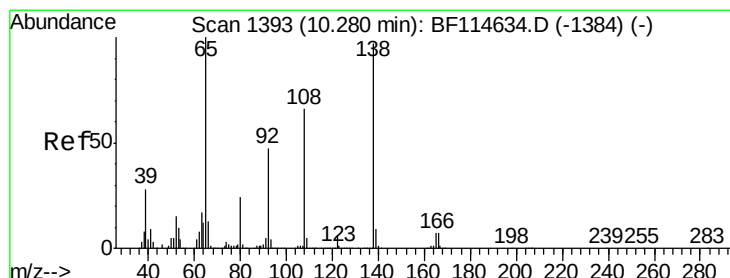
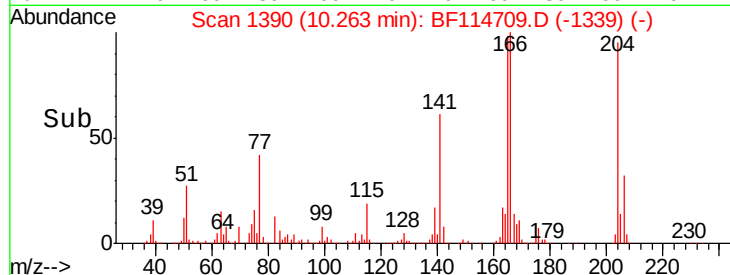
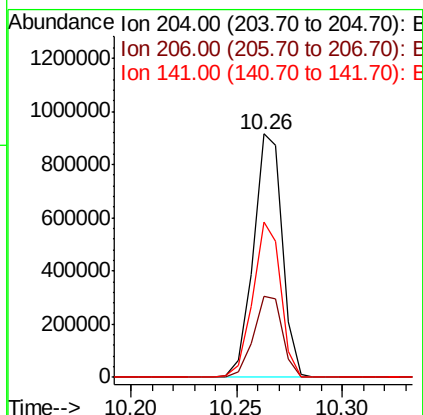
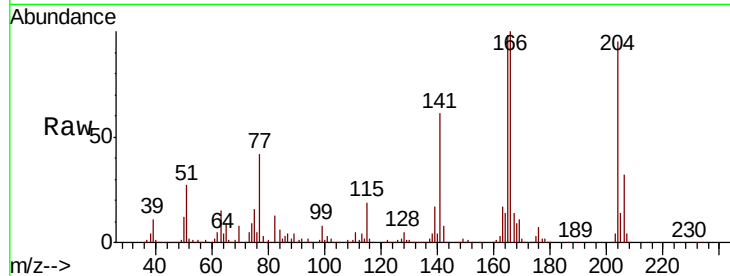
ClientSampled :

TP-6MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 204   | Resp: | 869403 |
| Ion Ratio | Lower | Upper |        |
| 204       | 100   |       |        |
| 206       | 33.5  | 26.4  | 39.6   |
| 141       | 63.9  | 50.0  | 75.0   |

Manual Integrations  
APPROVED

mohammad  
6/3/2019 8:49:28 AM



#62

4-Nitroaniline

Concen: 47.349 ng

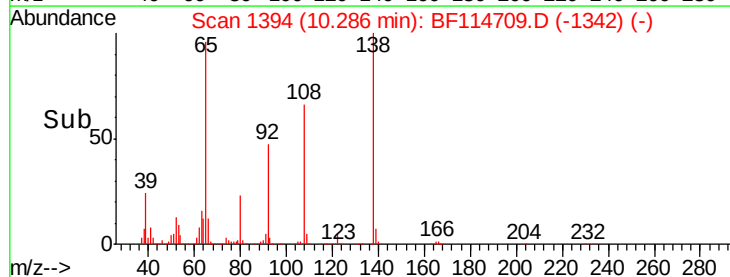
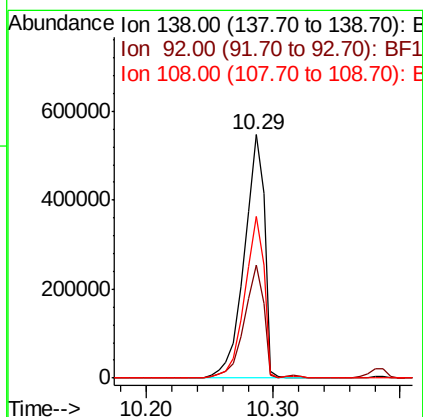
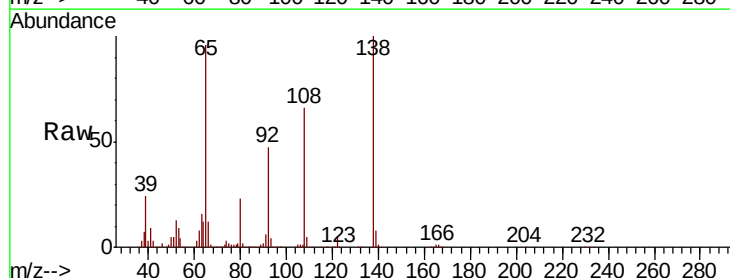
RT: 10.29 min Scan# 1394

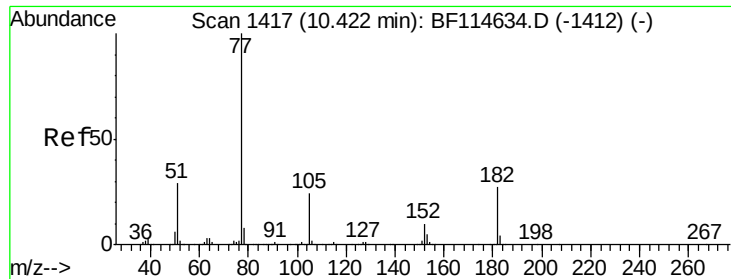
Delta R.T. 0.01 min

Lab File: BF114709.D

Acq: 31 May 2019 15:38

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 138   | Resp: | 605370 |
| Ion Ratio | Lower | Upper |        |
| 138       | 100   |       |        |
| 92        | 46.7  | 28.0  | 68.0   |
| 108       | 66.3  | 48.4  | 88.4   |





#63

Azobenzene

Concen: 44.733 ng

RT: 10.43 min Scan# 1418

Delta R.T. 0.01 min

Lab File: BF114709.D

Acq: 31 May 2019 15:38

Instrument :

BNA\_F

ClientSampleId :

TP-6MS

Tot Ion: 77 Resp: 1935232

Ion Ratio Lower Upper

77 100

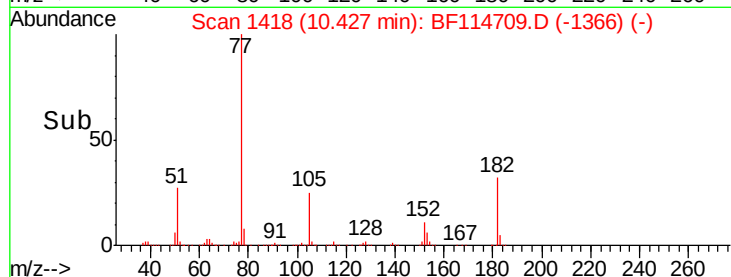
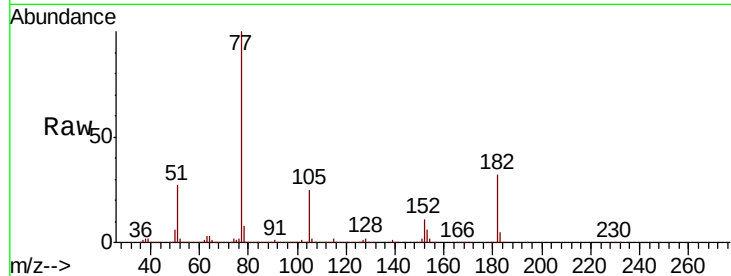
182 31.8 7.0 47.0

105 25.4 3.7 43.7

51 27.1 9.1 49.1

Manual Integrations  
APPROVED

mohammad  
6/3/2019 8:49:28 AM



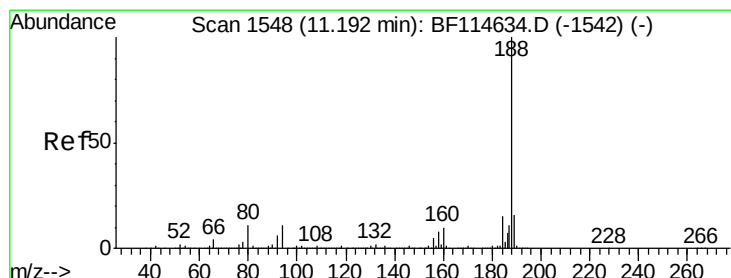
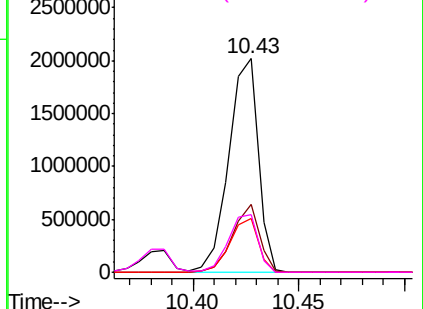
Abundance

Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.20 min Scan# 1549

Delta R.T. 0.01 min

Lab File: BF114709.D

Acq: 31 May 2019 15:38

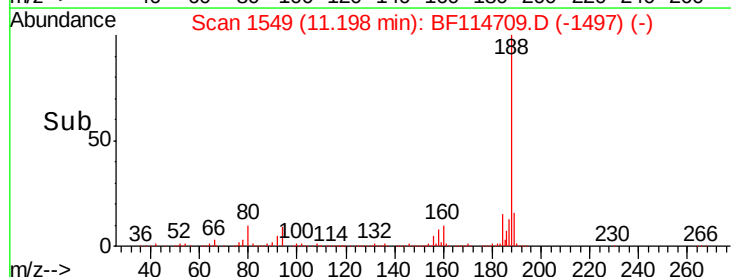
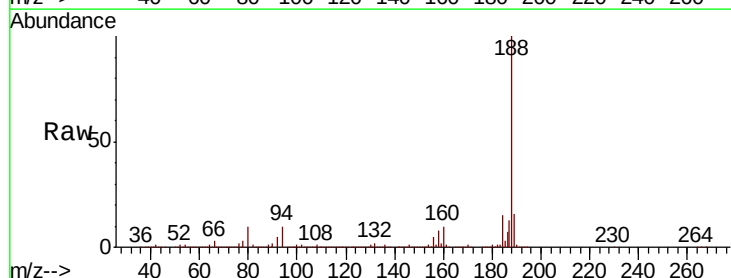
Tgt Ion: 188 Resp: 1321977

Ion Ratio Lower Upper

188 100

94 9.6 8.6 13.0

80 10.0 9.0 13.6

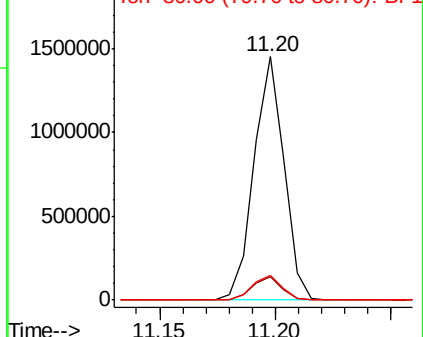


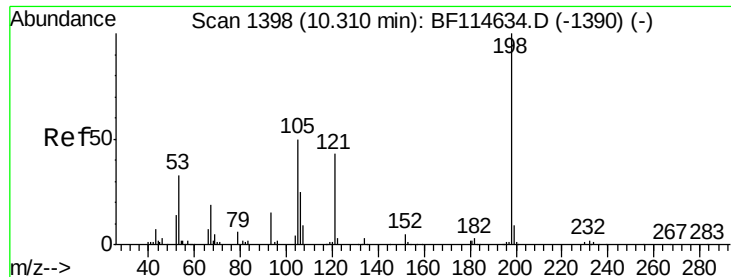
Abundance

Ion 188.00 (187.70 to 188.70): E

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: 44.168 ng

RT: 10.32 min Scan# 1399

Delta R.T. 0.01 min

Lab File: BF114709.D

Acq: 31 May 2019 15:38

Instrument :

BNA\_F

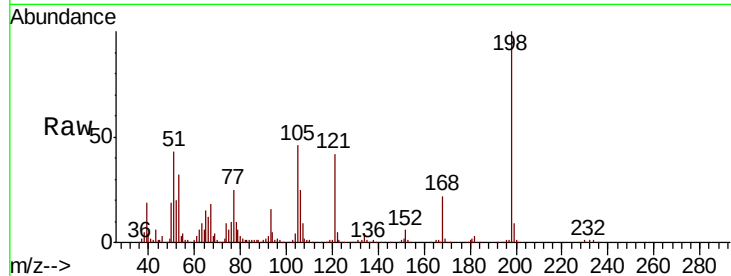
ClientSampled :

TP-6MS

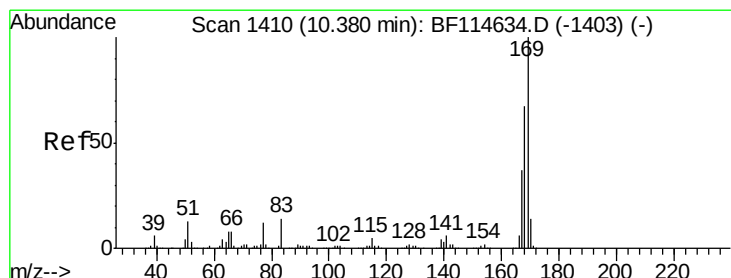
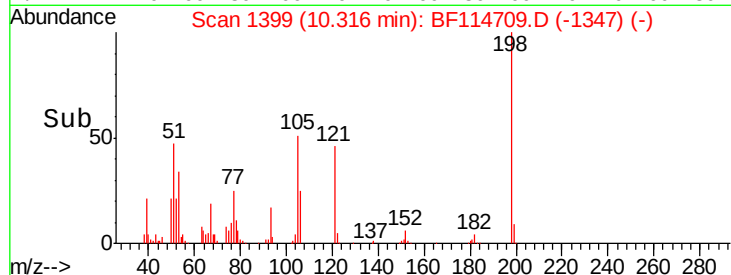
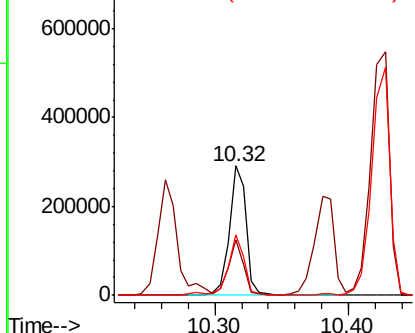
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 198   | Resp: | 258902 |
| Ion Ratio | Lower | Upper |        |
| 198       | 100   |       |        |
| 51        | 43.3  | 29.0  | 69.0   |
| 105       | 46.4  | 30.4  | 70.4   |

Manual Integrations  
APPROVED

mohammad  
6/3/2019 8:49:28 AM



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: 46.002 ng

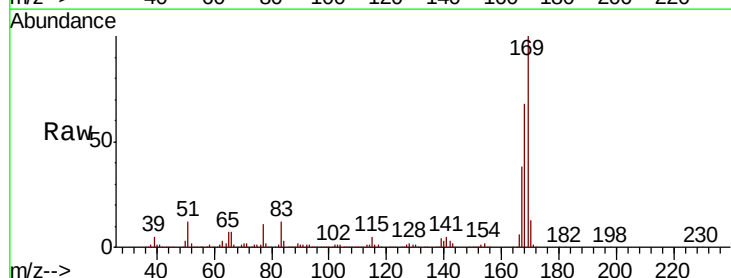
RT: 10.39 min Scan# 1411

Delta R.T. 0.01 min

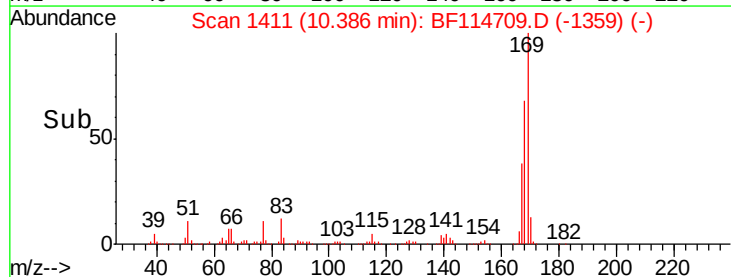
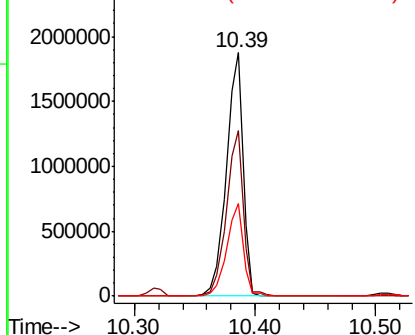
Lab File: BF114709.D

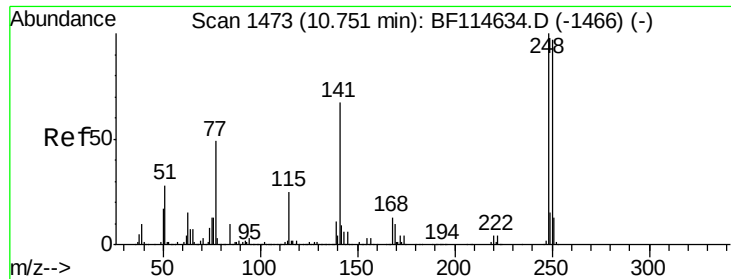
Acq: 31 May 2019 15:38

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 169   | Resp: | 1796754 |
| Ion Ratio | Lower | Upper |         |
| 169       | 100   |       |         |
| 168       | 68.2  | 53.8  | 80.8    |
| 167       | 37.9  | 29.8  | 44.6    |



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





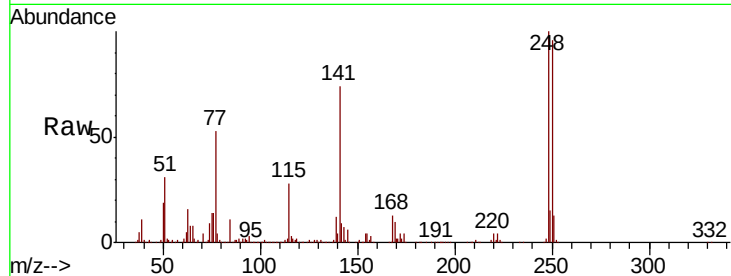
#67  
4-Bromophenyl-phenylether  
Concen: 44.714 ng  
RT: 10.75 min Scan# 1473  
Delta R.T. -0.00 min  
Lab File: BF114709.D  
Acq: 31 May 2019 15:38

Instrument :  
BNA\_F  
ClientSampled :  
TP-6MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 95.6  | 78.0  | 117.0 |
| 141     | 73.8  | 53.8  | 80.8  |

Manual Integrations  
APPROVED

mohammad  
6/3/2019 8:49:28 AM

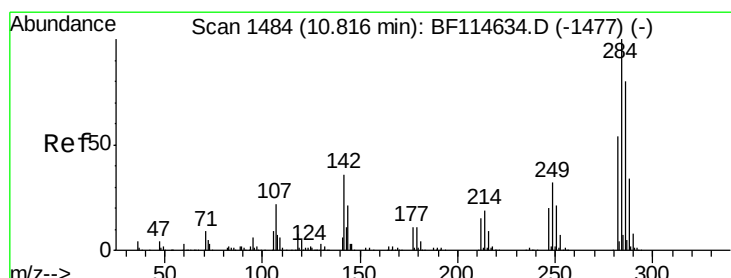
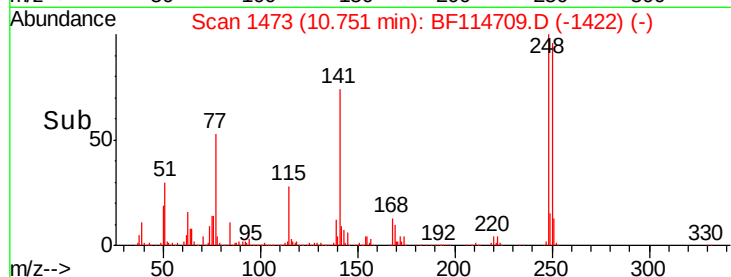
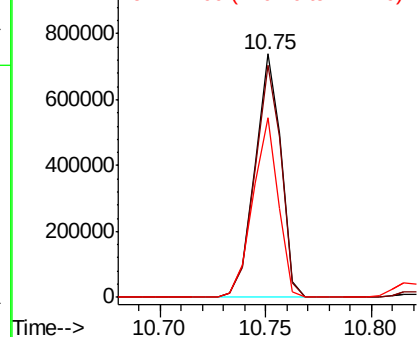


Abundance

Ion 248.00 (247.70 to 248.70): E

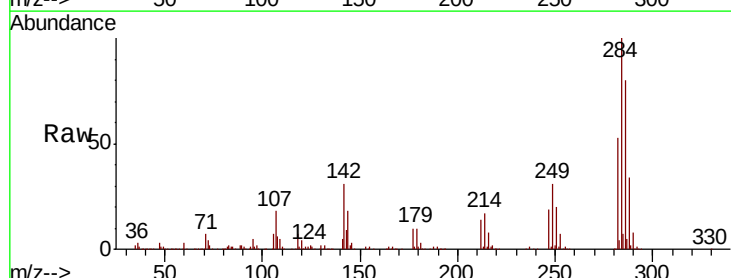
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68  
Hexachlorobenzene  
Concen: 44.369 ng  
RT: 10.82 min Scan# 1485  
Delta R.T. 0.01 min  
Lab File: BF114709.D  
Acq: 31 May 2019 15:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 30.8  | 28.9  | 43.3  |
| 249     | 30.7  | 25.8  | 38.6  |

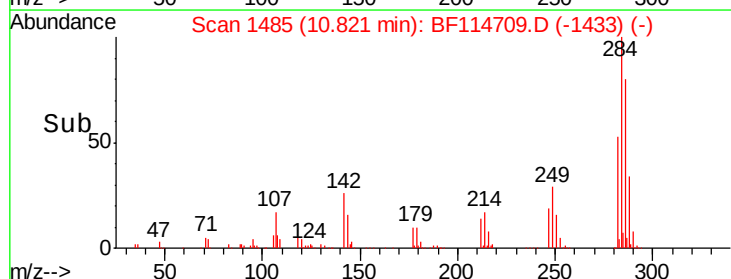
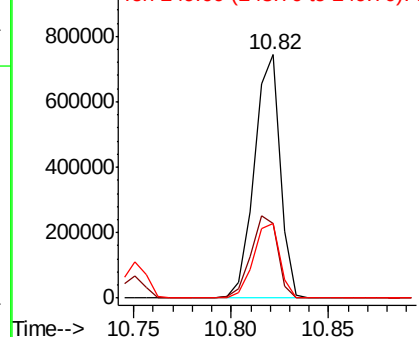


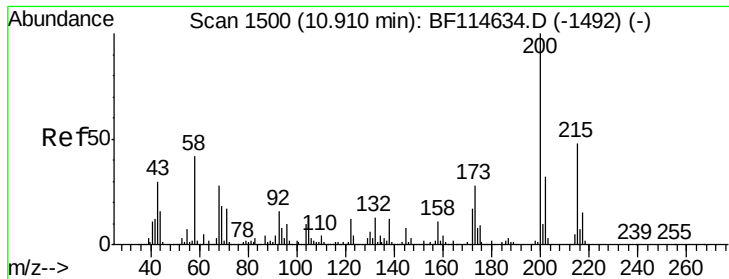
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





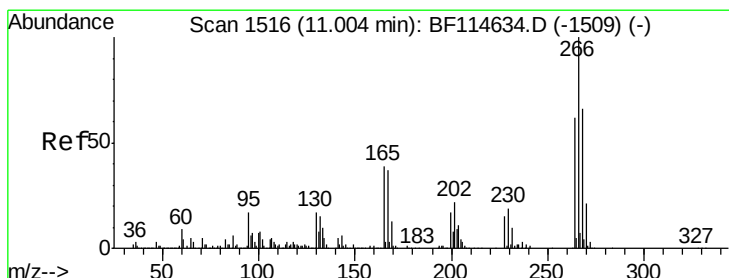
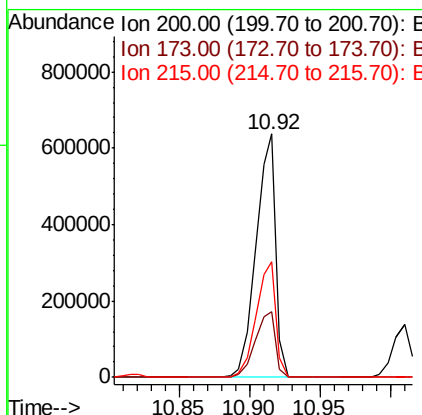
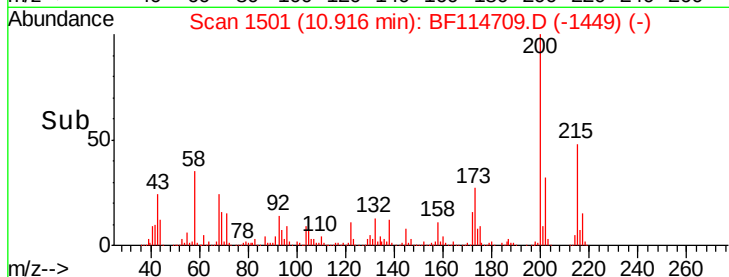
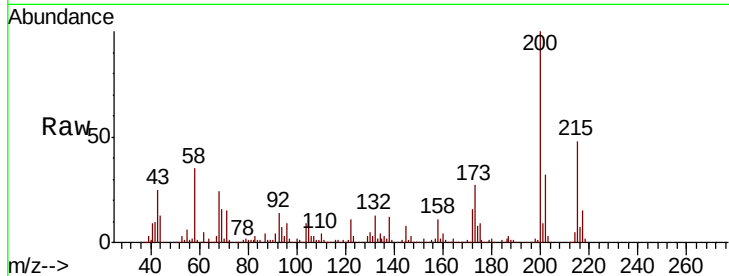
#69  
Atrazine  
Concen: 54.360 ng  
RT: 10.92 min Scan# 1501  
Delta R.T. 0.01 min  
Lab File: BF114709.D  
Acq: 31 May 2019 15:38

Instrument :  
BNA\_F  
ClientSampleId :  
TP-6MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 26.8  | 7.9   | 47.9  |
| 215     | 47.7  | 27.8  | 67.8  |

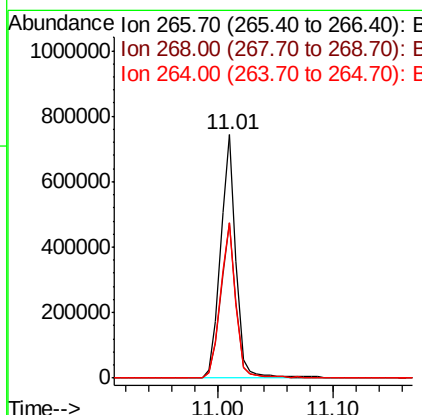
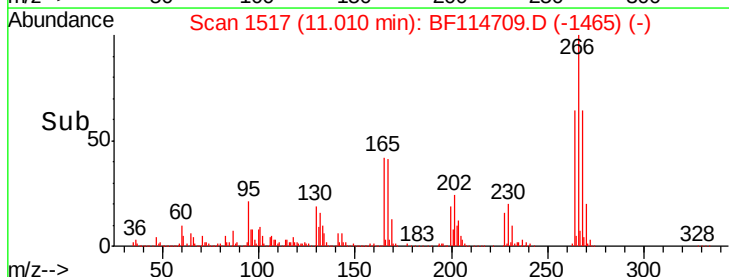
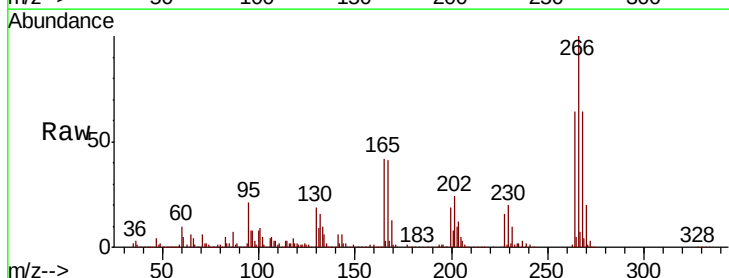
Manual Integrations  
APPROVED

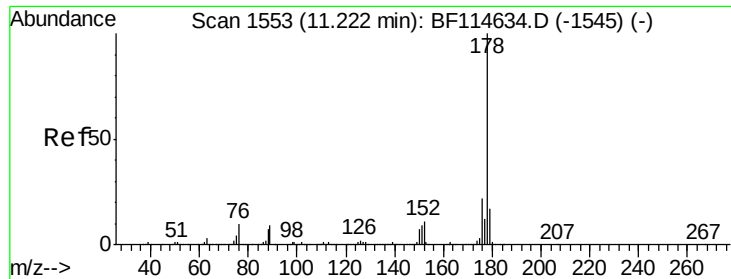
mohammad  
6/3/2019 8:49:28 AM



#70  
Pentachlorophenol  
Concen: 78.100 ng  
RT: 11.01 min Scan# 1517  
Delta R.T. 0.01 min  
Lab File: BF114709.D  
Acq: 31 May 2019 15:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 63.6  | 52.8  | 79.2  |
| 264     | 63.8  | 49.9  | 74.9  |





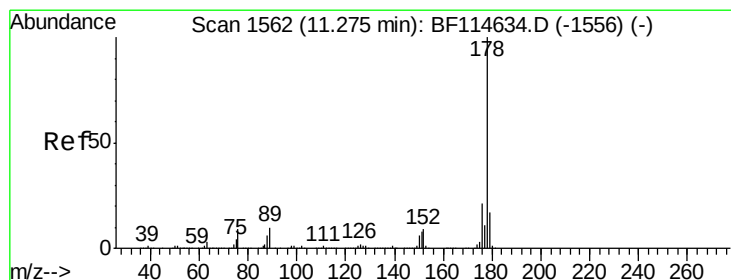
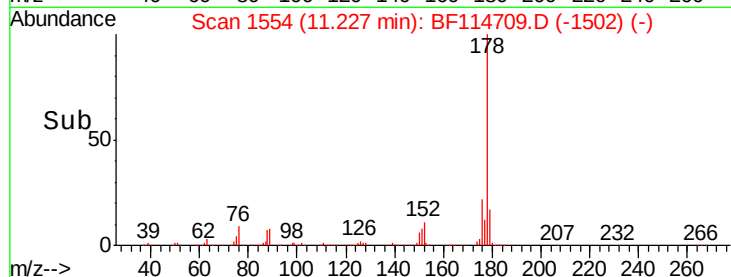
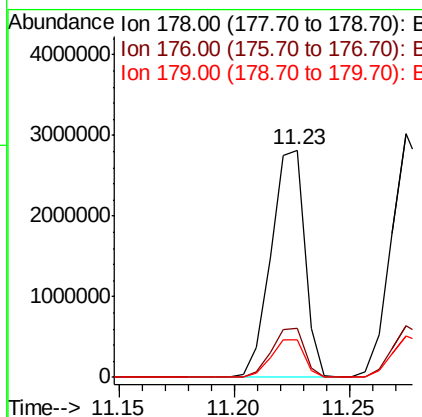
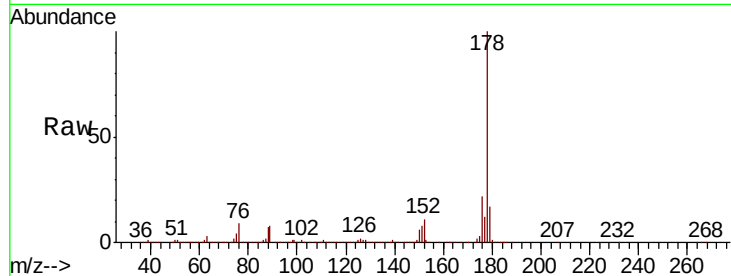
#71  
Phenanthrene  
Concen: 42.383 ng  
RT: 11.23 min Scan# 1554  
Delta R.T. 0.01 min  
Lab File: BF114709.D  
Acq: 31 May 2019 15:38

Instrument :  
BNA\_F  
ClientSampleId :  
TP-6MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 21.6  | 17.2  | 25.8  |
| 179     | 16.8  | 13.9  | 20.9  |

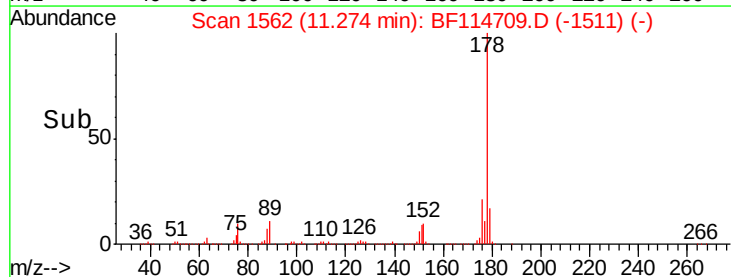
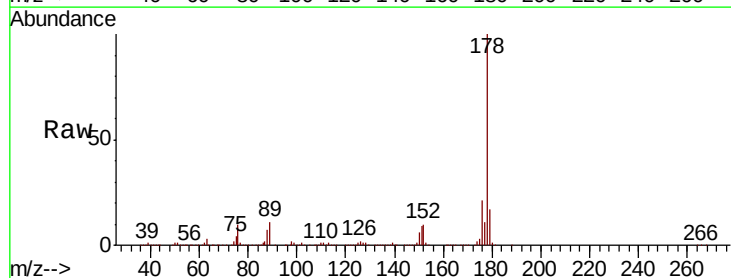
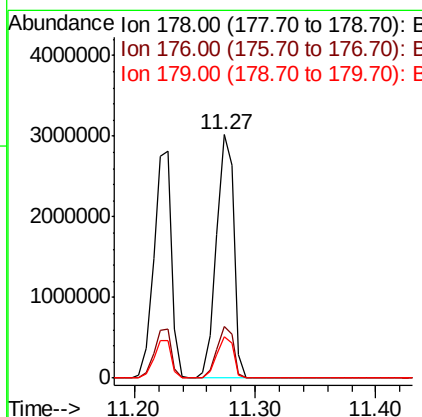
Manual Integrations  
APPROVED

mohammad  
6/3/2019 8:49:28 AM

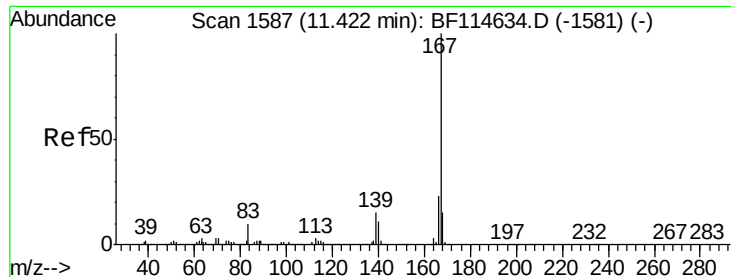


#72  
Anthracene  
Concen: 43.330 ng  
RT: 11.27 min Scan# 1562  
Delta R.T. 0.00 min  
Lab File: BF114709.D  
Acq: 31 May 2019 15:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 21.1  | 16.6  | 24.8  |
| 179     | 17.2  | 13.4  | 20.0  |







#73

Carbazole

Concen: 46.368 ng

RT: 11.43 min Scan# 1588

Delta R.T. 0.01 min

Lab File: BF114709.D

Acq: 31 May 2019 15:38

Instrument :

BNA\_F

ClientSampleId :

TP-6MS

Tot Ion:167 Resp: 2781322

Ion Ratio Lower Upper

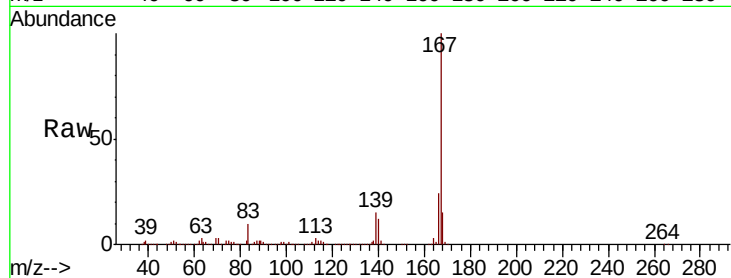
167 100

166 23.9 18.7 28.1

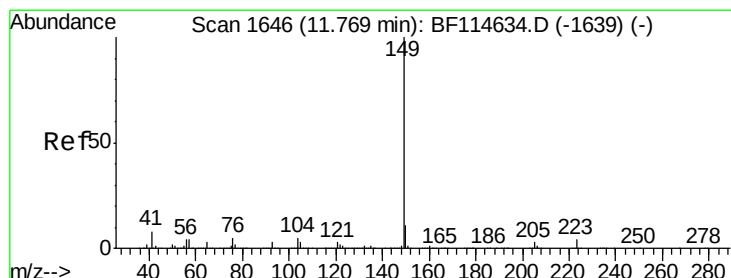
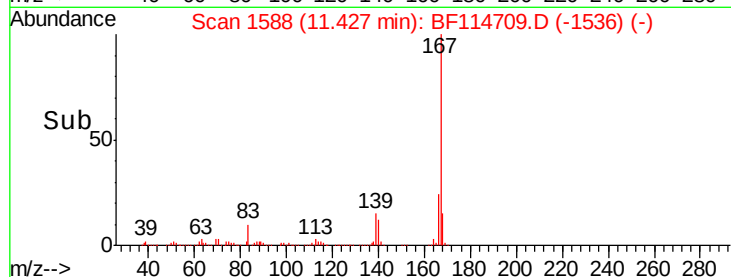
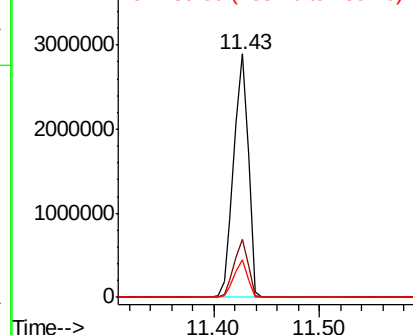
139 15.2 11.8 17.8

Manual Integrations  
APPROVED

mohammad  
6/3/2019 8:49:28 AM



Abundance Ion 167.00 (166.70 to 167.70): E  
Ion 166.00 (165.70 to 166.70): E  
Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 42.935 ng

RT: 11.77 min Scan# 1647

Delta R.T. 0.01 min

Lab File: BF114709.D

Acq: 31 May 2019 15:38

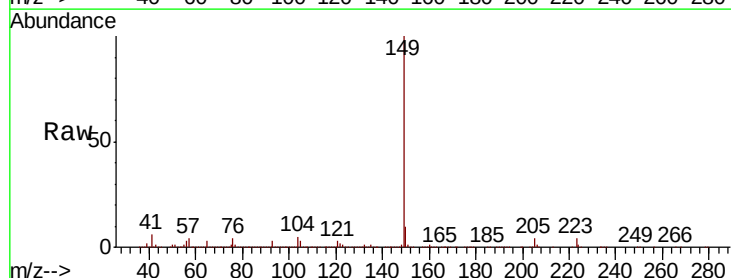
Tgt Ion:149 Resp: 3145088

Ion Ratio Lower Upper

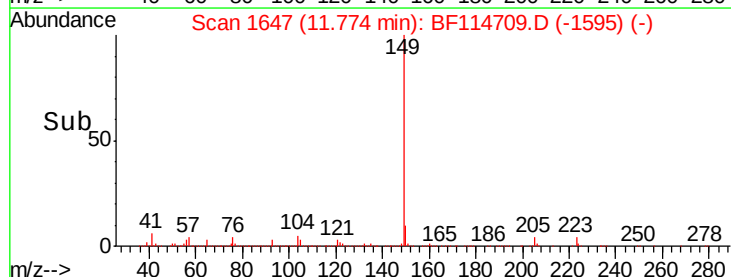
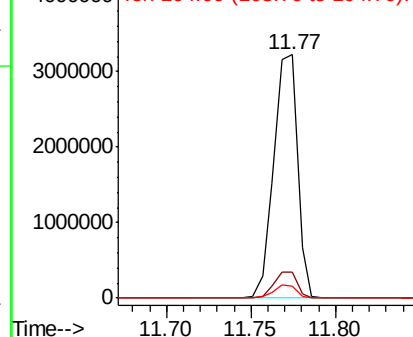
149 100

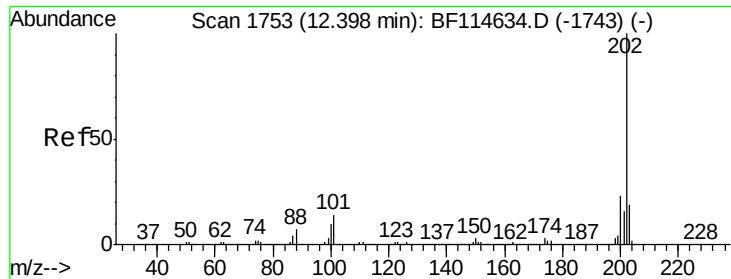
150 10.4 8.6 12.8

104 5.0 4.3 6.5



Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 42.894 ng

RT: 12.40 min Scan# 1754

Delta R.T. 0.01 min

Lab File: BF114709.D

Acq: 31 May 2019 15:38

Instrument :

BNA\_F

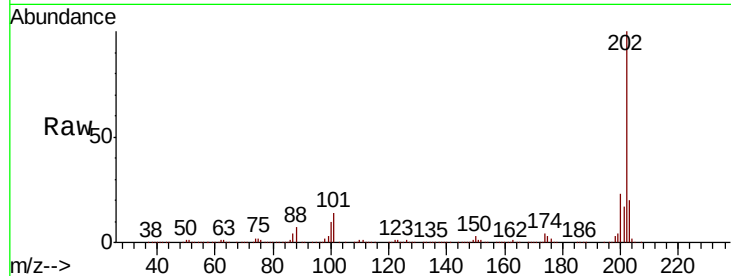
ClientSampleId :

TP-6MS

|           |       |       |         |
|-----------|-------|-------|---------|
| Tot Ion:  | 202   | Resp: | 2995253 |
| Ion Ratio | Lower | Upper |         |
| 202       | 100   |       |         |
| 101       | 13.9  | 0.0   | 33.9    |
| 203       | 19.6  | 0.0   | 39.1    |

Manual Integrations  
APPROVED

mohammad  
6/3/2019 8:49:28 AM

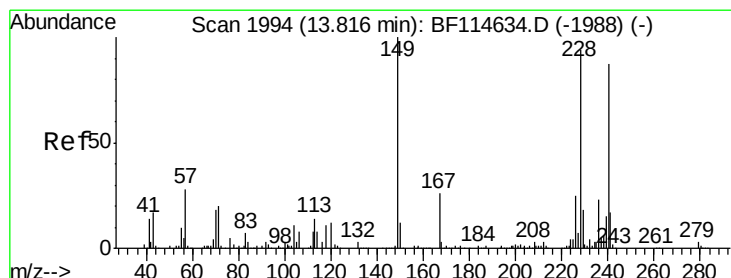
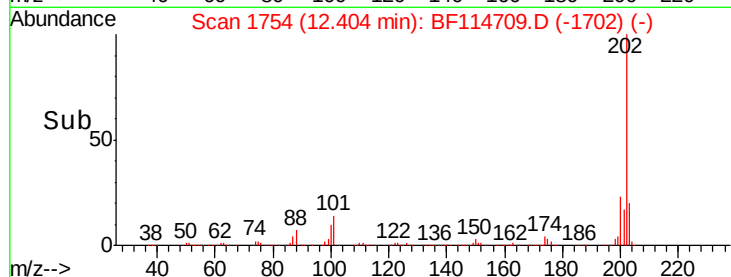
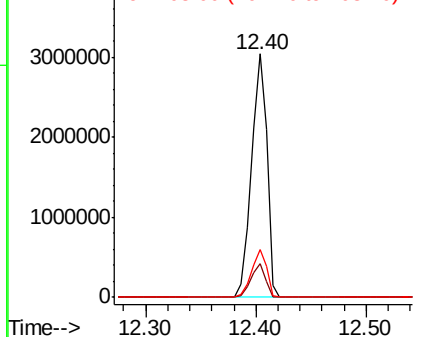


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

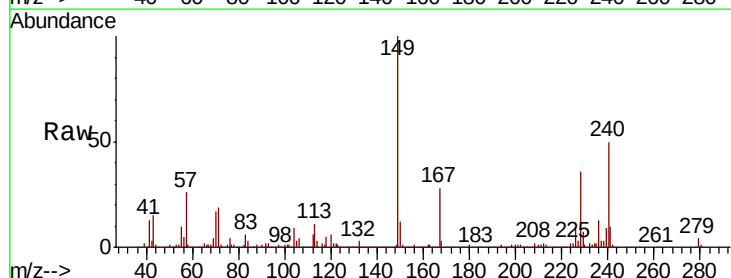
RT: 13.82 min Scan# 1995

Delta R.T. 0.01 min

Lab File: BF114709.D

Acq: 31 May 2019 15:38

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 240   | Resp: | 813802 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 12.2  | 11.2  | 16.8   |
| 236       | 27.1  | 21.2  | 31.8   |

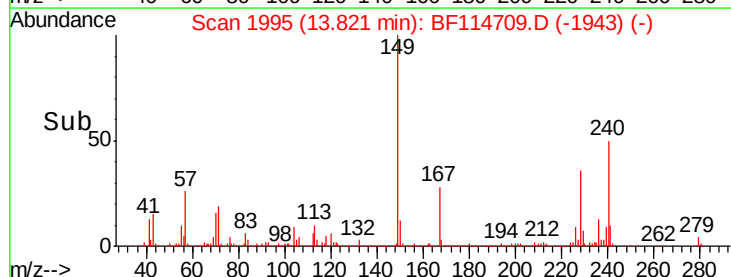
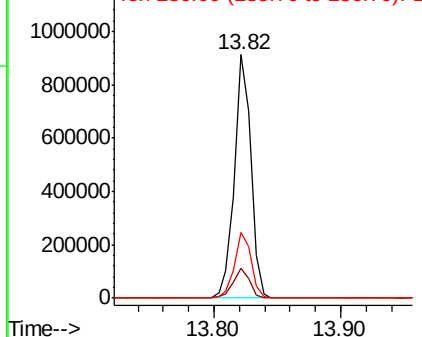


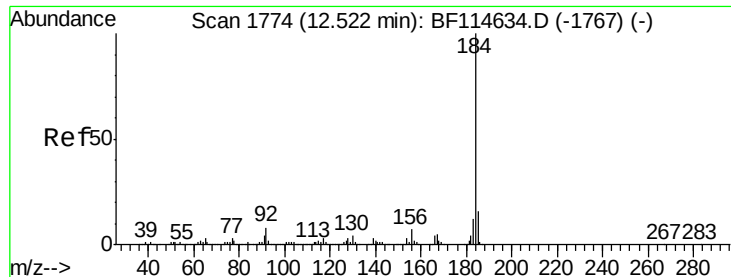
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 10.585 ng

RT: 12.52 min Scan# 1774

Delta R.T. -0.00 min

Lab File: BF114709.D

Acq: 31 May 2019 15:38

Instrument :

BNA\_F

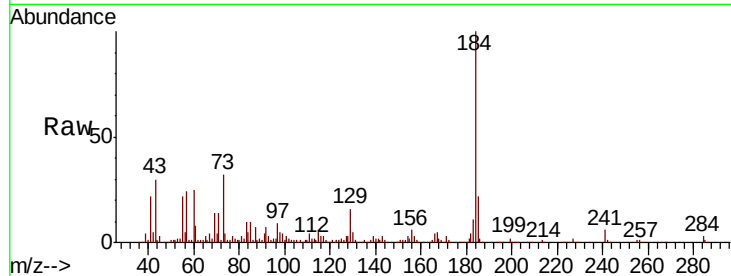
ClientSampled :

TP-6MS

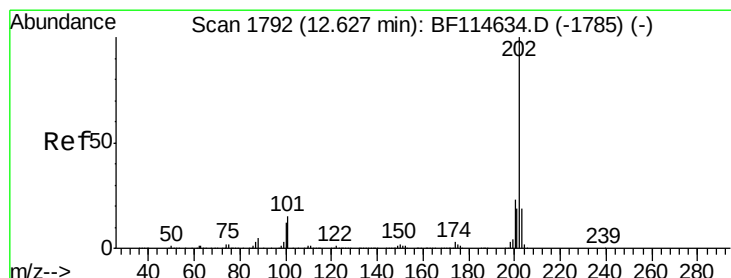
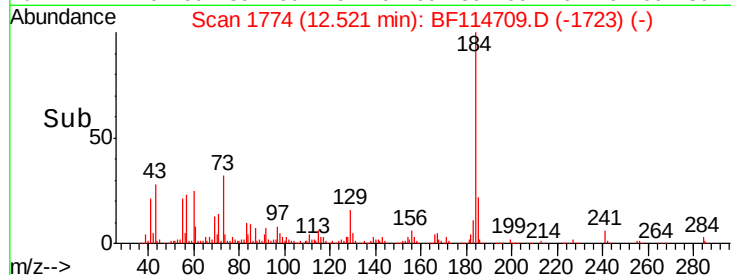
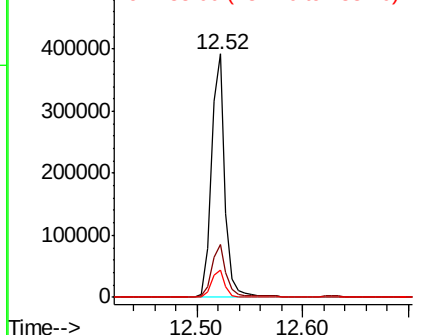
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 184   | Resp: | 354700 |
| Ion Ratio | Lower | Upper |        |
| 184       | 100   |       |        |
| 185       | 21.7  | 12.6  | 18.8#  |
| 183       | 11.5  | 9.4   | 14.2   |

Manual Integrations  
APPROVED

mohammad  
6/3/2019 8:49:28 AM



Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 185.00 (184.70 to 185.70): E  
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 43.893 ng

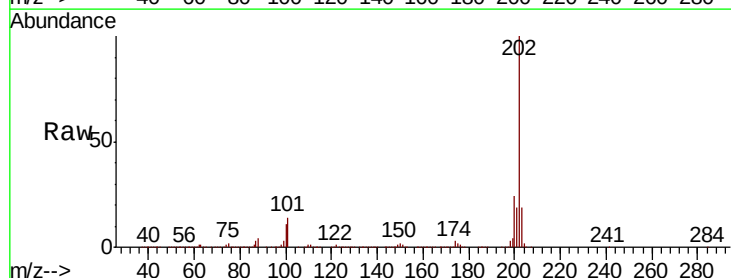
RT: 12.63 min Scan# 1793

Delta R.T. 0.01 min

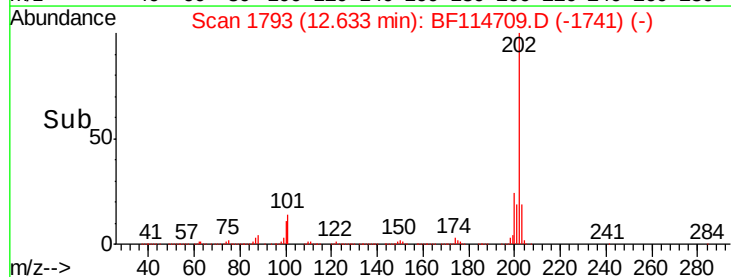
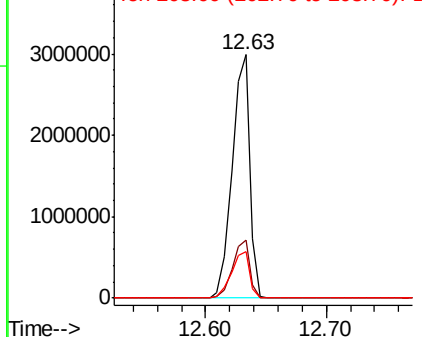
Lab File: BF114709.D

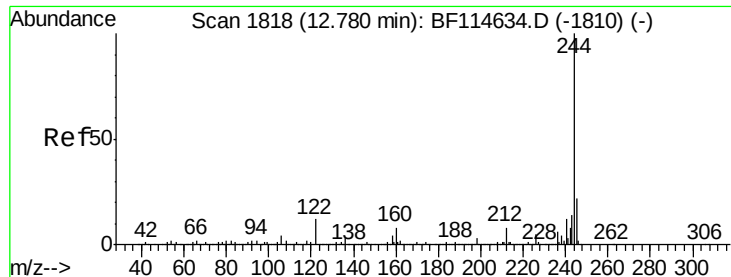
Acq: 31 May 2019 15:38

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 202   | Resp: | 3021655 |
| Ion Ratio | Lower | Upper |         |
| 202       | 100   |       |         |
| 200       | 23.9  | 18.6  | 28.0    |
| 203       | 19.2  | 15.4  | 23.2    |



Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 200.00 (199.70 to 200.70): E  
Ion 203.00 (202.70 to 203.70): E





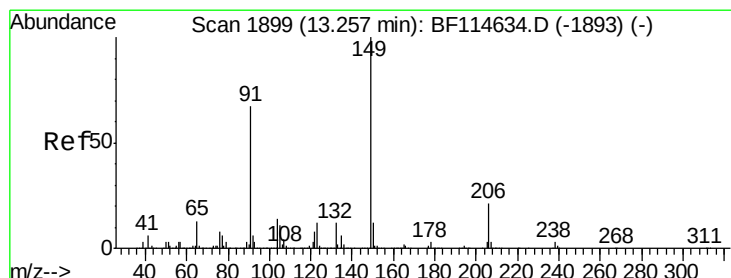
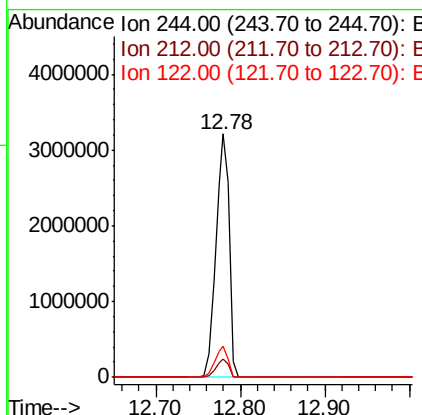
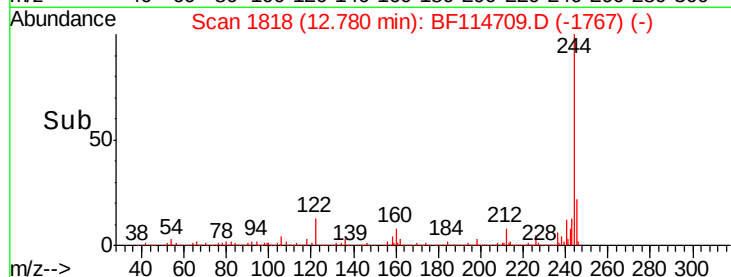
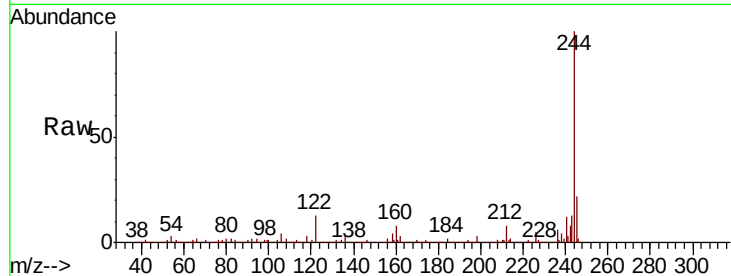
#79  
 Terphenyl-d14  
 Concen: 82.837 ng  
 RT: 12.78 min Scan# 1818  
 Delta R.T. -0.00 min  
 Lab File: BF114709.D  
 Acq: 31 May 2019 15:38

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-6MS

Tot Ion:244 Resp: 3585502  
 Ion Ratio Lower Upper  
 244 100  
 212 7.8 6.1 9.1  
 122 12.9 9.8 14.8

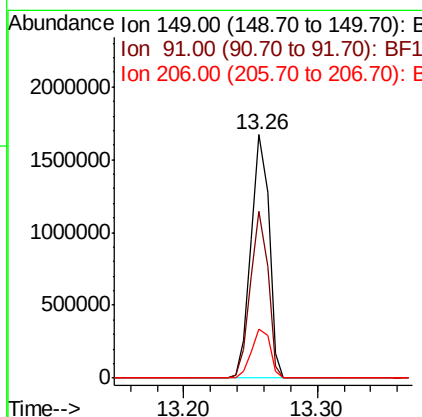
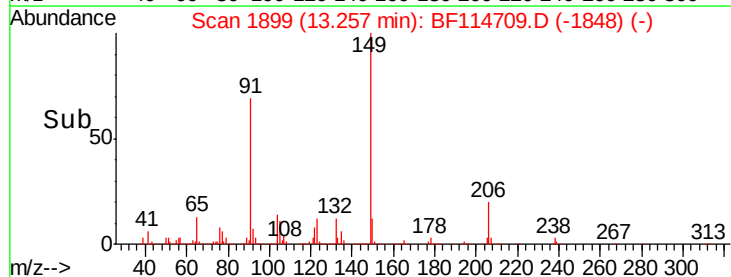
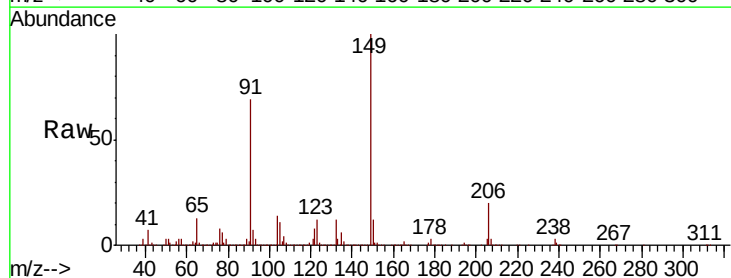
Manual Integrations  
 APPROVED

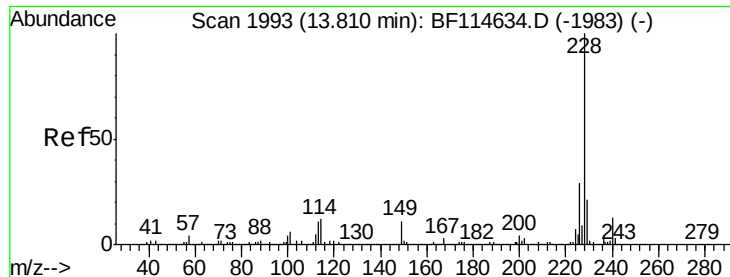
mohammad  
 6/3/2019 8:49:28 AM



#80  
 Butylbenzylphthalate  
 Concen: 44.536 ng  
 RT: 13.26 min Scan# 1899  
 Delta R.T. -0.00 min  
 Lab File: BF114709.D  
 Acq: 31 May 2019 15:38

Tgt Ion:149 Resp: 1540807  
 Ion Ratio Lower Upper  
 149 100  
 91 68.6 53.8 80.8  
 206 20.2 16.9 25.3





#81

Benzo(a)anthracene

Concen: 42.737 ng

RT: 13.81 min Scan# 1993

Delta R.T. -0.00 min

Lab File: BF114709.D

Acq: 31 May 2019 15:38

Instrument :

BNA\_F

ClientSampled :

TP-6MS

Tot Ion:228 Resp: 2672648

Ion Ratio Lower Upper

228 100

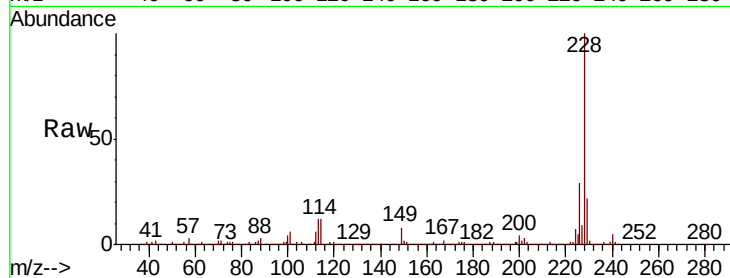
226 29.0 23.0 34.6

229 21.6 17.0 25.4

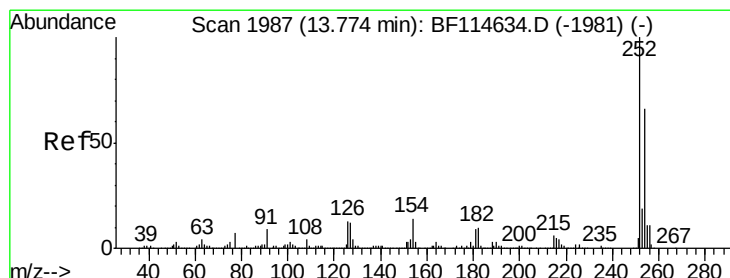
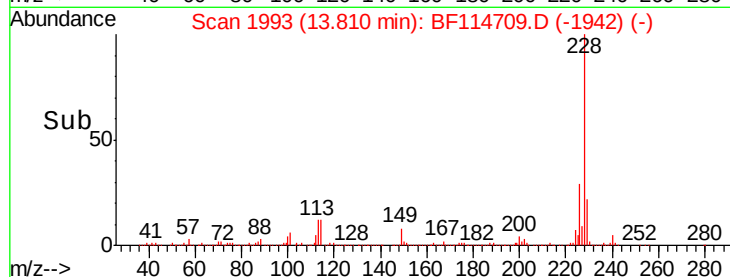
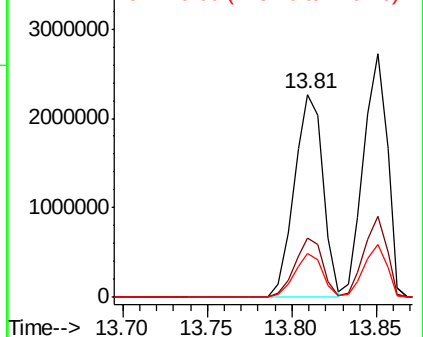
Manual Integrations  
APPROVED

mohammad

6/3/2019 8:49:28 AM



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



#82

3,3'-Dichlorobenzidine

Concen: 27.685 ng

RT: 13.77 min Scan# 1987

Delta R.T. -0.00 min

Lab File: BF114709.D

Acq: 31 May 2019 15:38

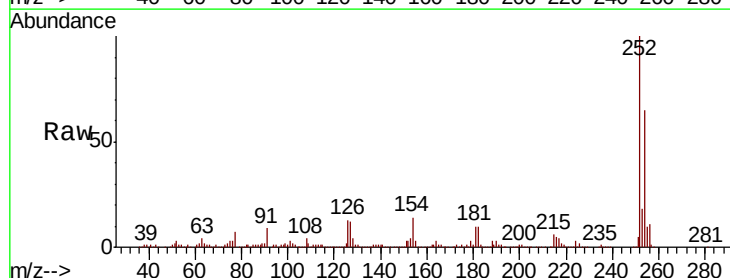
Tgt Ion:252 Resp: 668637

Ion Ratio Lower Upper

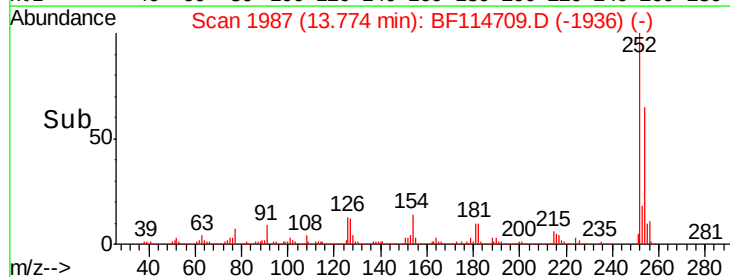
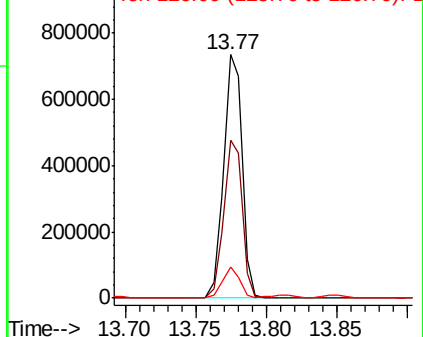
252 100

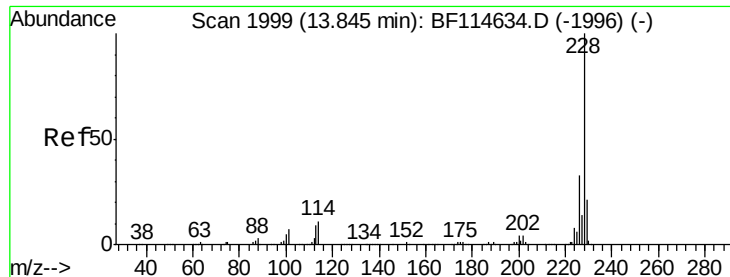
254 64.6 53.1 79.7

126 12.7 10.2 15.2



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 254.00 (253.70 to 254.70): E  
Ion 126.00 (125.70 to 126.70): E





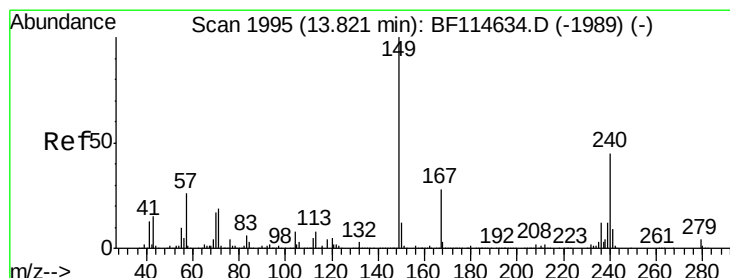
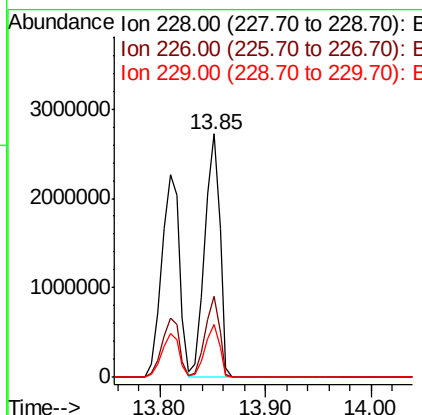
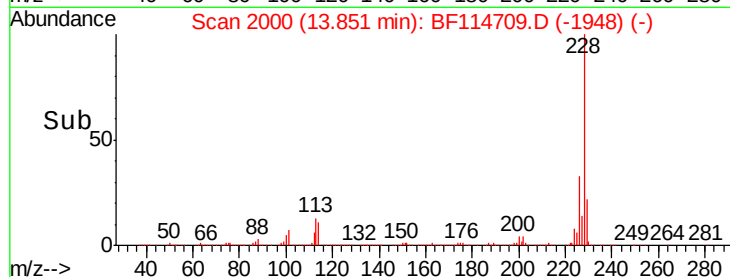
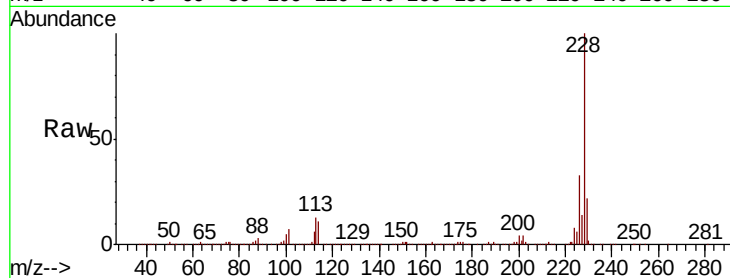
#83  
 Chrysene  
 Concen: 44.943 ng  
 RT: 13.85 min Scan# 2000  
 Delta R.T. 0.01 min  
 Lab File: BF114709.D  
 Acq: 31 May 2019 15:38

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-6MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 33.4  | 26.4  | 39.6  |
| 229     | 21.9  | 17.1  | 25.7  |

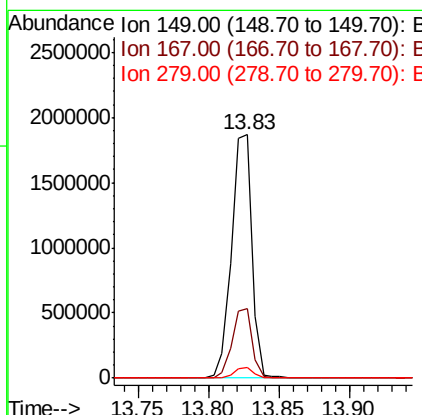
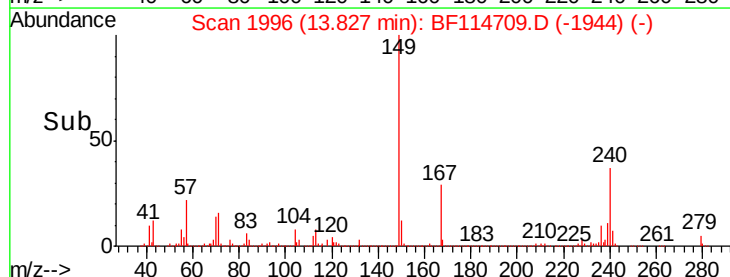
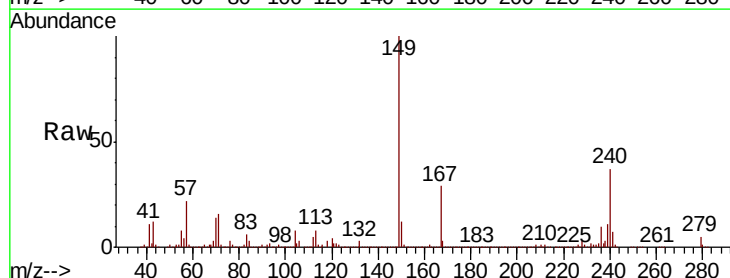
Manual Integrations  
 APPROVED

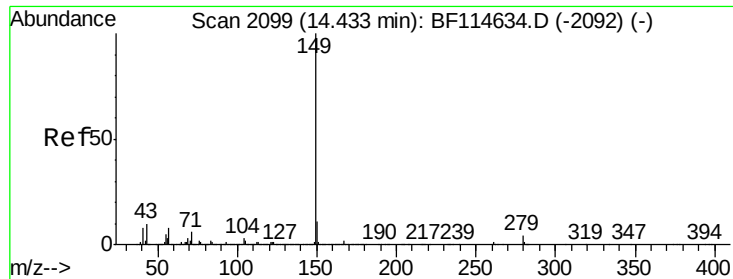
mohammad  
 6/3/2019 8:49:28 AM



#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 44.012 ng  
 RT: 13.83 min Scan# 1996  
 Delta R.T. 0.01 min  
 Lab File: BF114709.D  
 Acq: 31 May 2019 15:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 28.6  | 22.6  | 33.8  |
| 279     | 4.6   | 3.0   | 4.4#  |





#85

Di-n-octyl phthalate

Concen: 45.124 ng

RT: 14.43 min Scan# 2098

Delta R.T. -0.01 min

Lab File: BF114709.D

Acq: 31 May 2019 15:38

Instrument :

BNA\_F

ClientSampleId :

TP-6MS

Tot Ion:149 Resp: 3353353

Ion Ratio Lower Upper

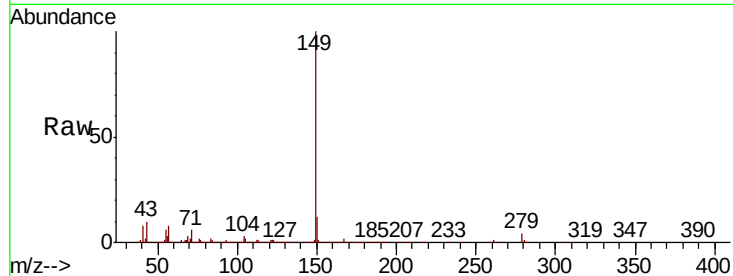
149 100

167 1.8 1.3 1.9

43 9.0 8.0 12.0

Manual Integrations  
APPROVED

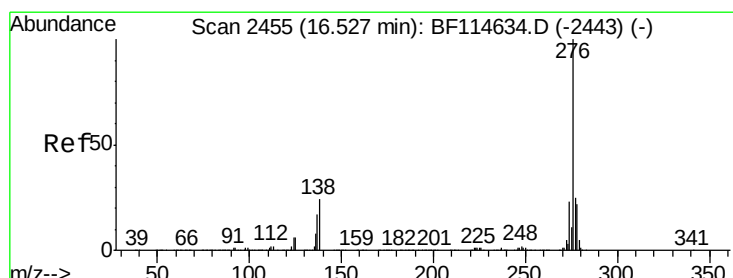
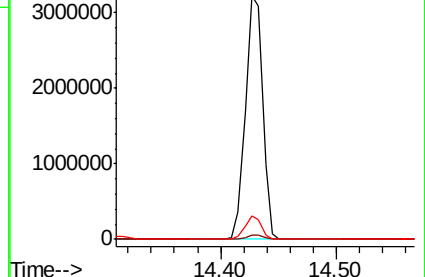
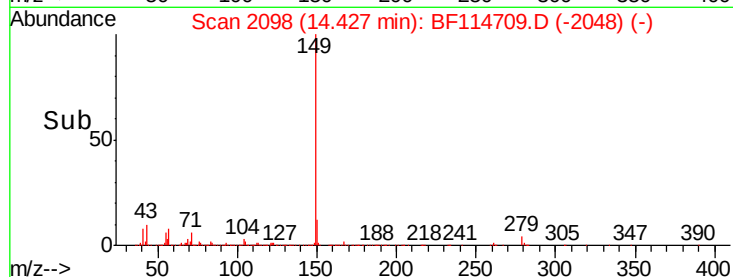
mohammad  
6/3/2019 8:49:28 AM



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: 42.631 ng

RT: 16.54 min Scan# 2457

Delta R.T. 0.01 min

Lab File: BF114709.D

Acq: 31 May 2019 15:38

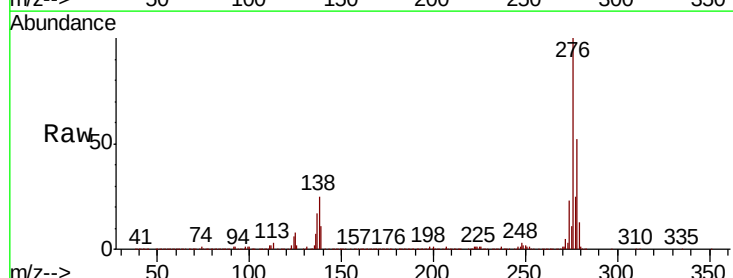
Tgt Ion:276 Resp: 2551158

Ion Ratio Lower Upper

276 100

138 27.9 23.0 34.6

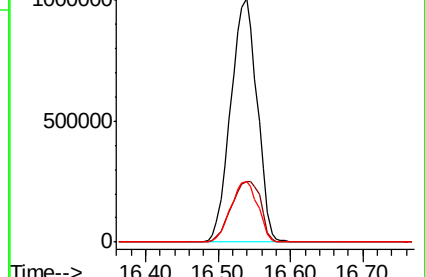
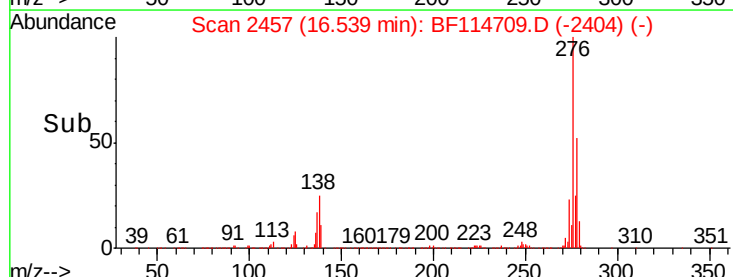
277 25.6 20.5 30.7

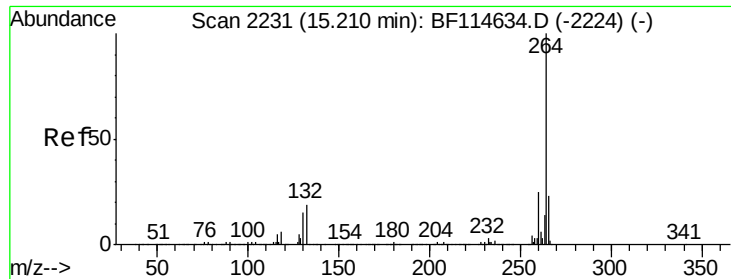


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





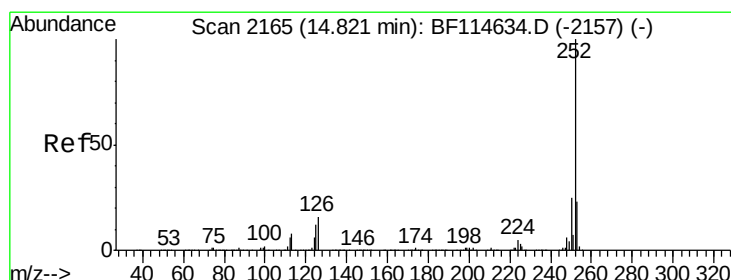
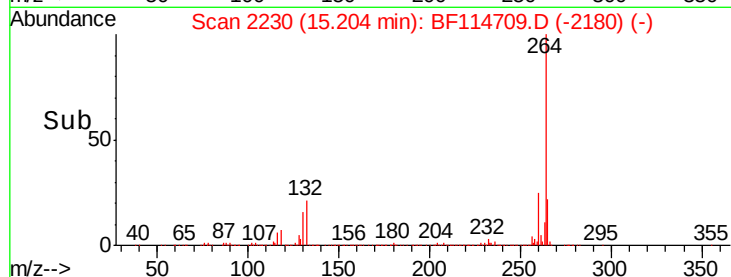
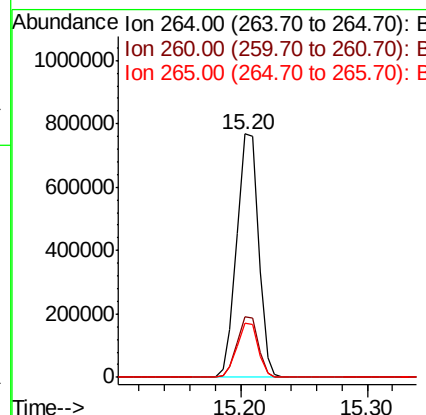
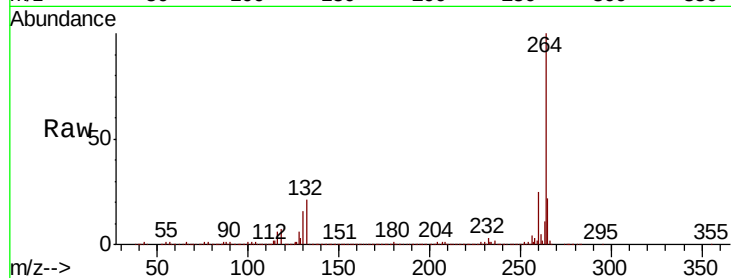
#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.20 min Scan# 2230  
Delta R.T. -0.01 min  
Lab File: BF114709.D  
Acq: 31 May 2019 15:38

Instrument :  
BNA\_F  
ClientSampled :  
TP-6MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.8  | 19.7  | 29.5  |
| 265     | 22.3  | 18.1  | 27.1  |

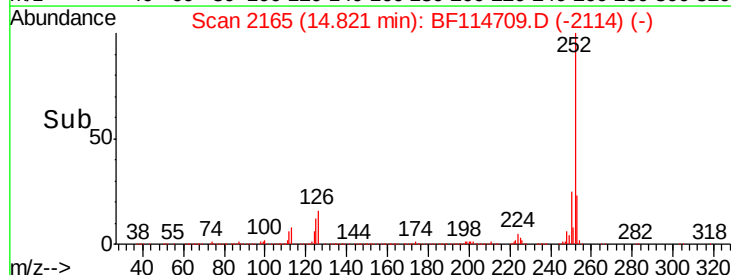
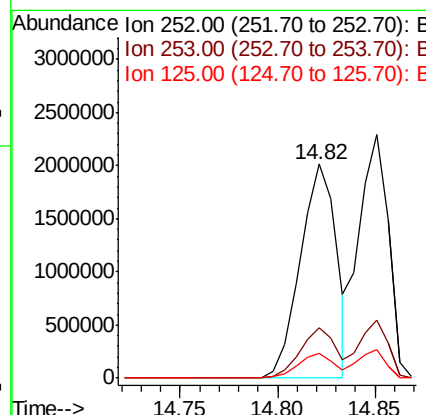
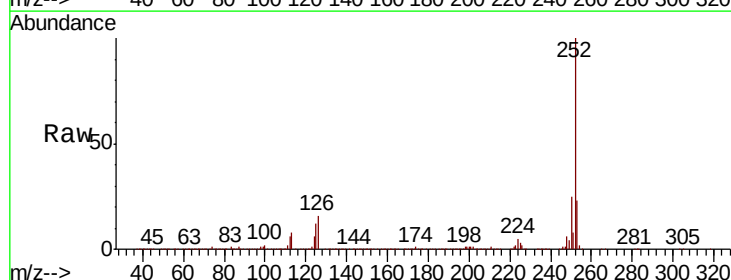
Manual Integrations  
APPROVED

mohammad  
6/3/2019 8:49:28 AM

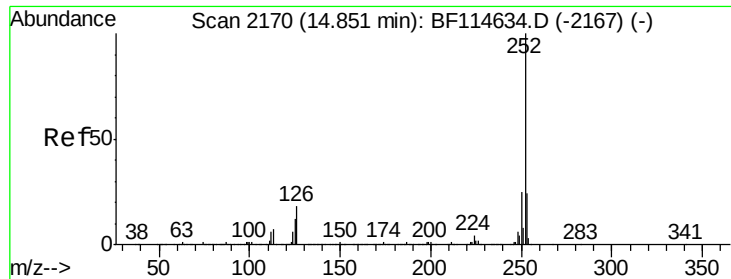


#88  
Benzo(b)fluoranthene  
Concen: 45.138 ng  
RT: 14.82 min Scan# 2165  
Delta R.T. -0.00 min  
Lab File: BF114709.D  
Acq: 31 May 2019 15:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.4  | 18.7  | 28.1  |
| 125     | 11.8  | 9.4   | 14.2  |







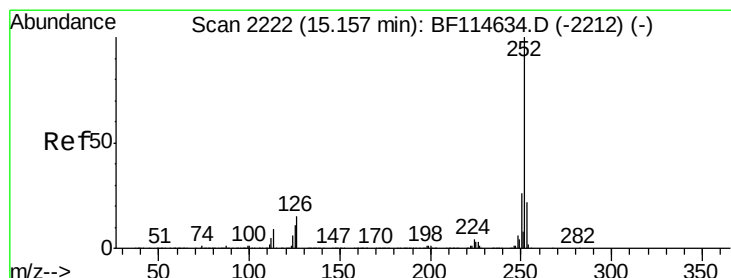
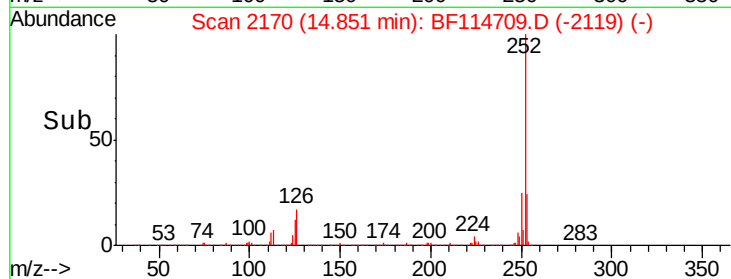
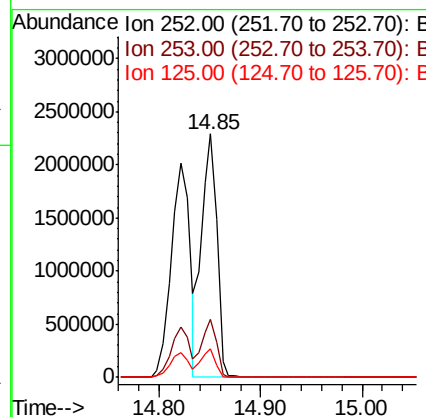
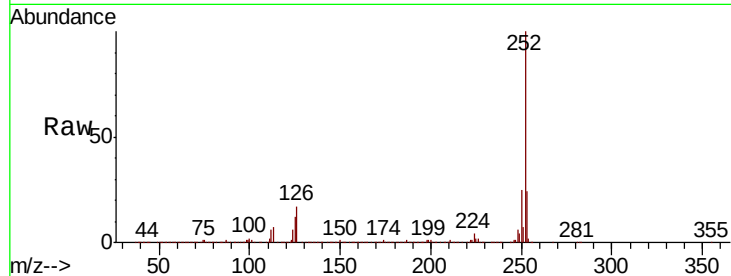
#89  
Benzo(k)fluoranthene  
Concen: 48.380 ng  
RT: 14.85 min Scan# 2170  
Delta R.T. -0.00 min  
Lab File: BF114709.D  
Acq: 31 May 2019 15:38

Instrument :  
BNA\_F  
ClientSampleId :  
TP-6MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.9  | 18.9  | 28.3  |
| 125     | 11.6  | 9.5   | 14.3  |

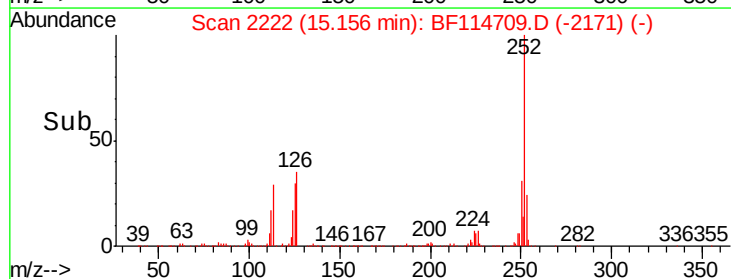
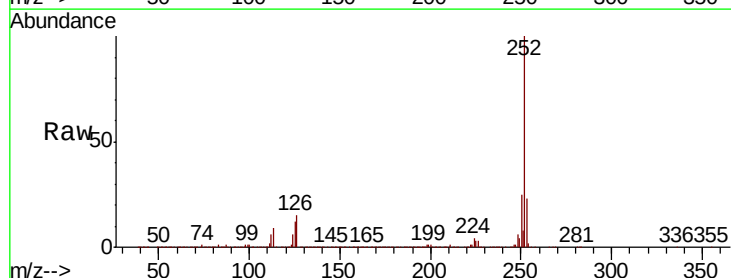
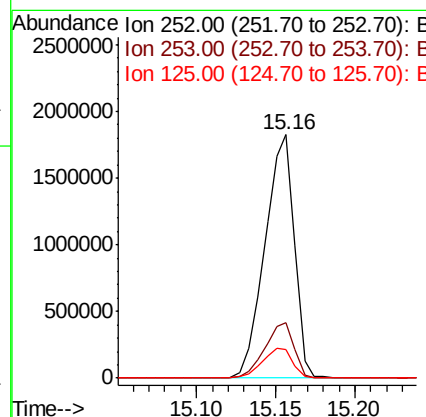
Manual Integrations  
APPROVED

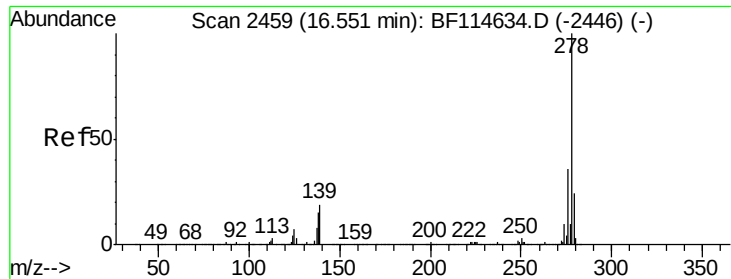
mohammad  
6/3/2019 8:49:28 AM



#90  
Benzo(a)pyrene  
Concen: 47.058 ng  
RT: 15.16 min Scan# 2222  
Delta R.T. -0.00 min  
Lab File: BF114709.D  
Acq: 31 May 2019 15:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.6  | 18.0  | 27.0  |
| 125     | 11.7  | 9.2   | 13.8  |





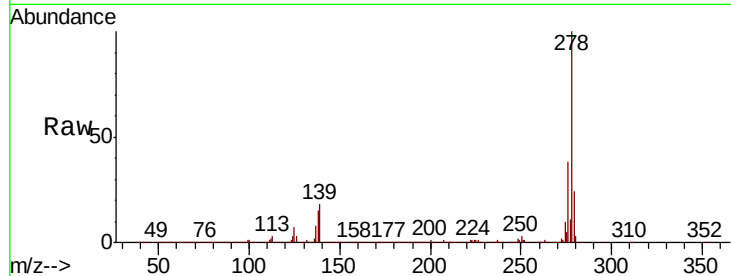
#91  
Dibenzo(a,h)anthracene  
Concen: 47.930 ng  
RT: 16.56 min Scan# 2460  
Delta R.T. 0.01 min  
Lab File: BF114709.D  
Acq: 31 May 2019 15:38

Instrument :  
BNA\_F  
ClientSampleId :  
TP-6MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 17.8  | 14.9  | 22.3  |
| 279     | 24.3  | 19.5  | 29.3  |

Manual Integrations  
APPROVED

mohammad  
6/3/2019 8:49:28 AM

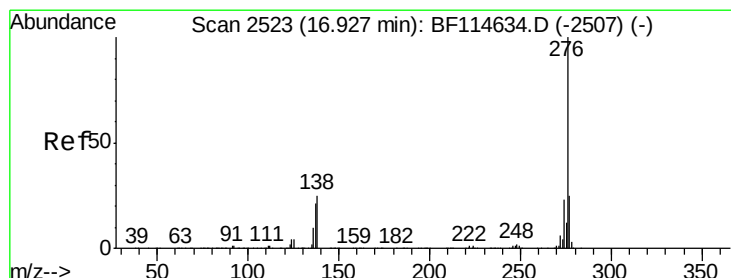
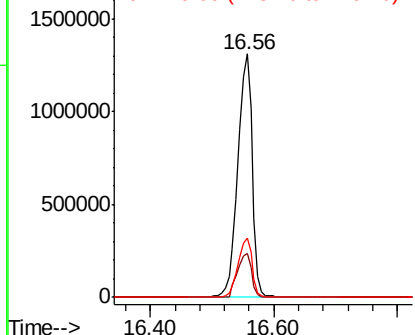
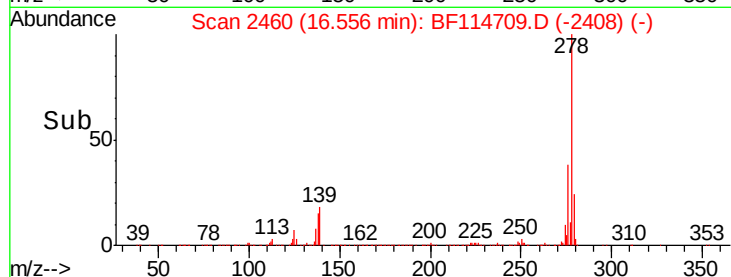


Abundance

Ion 278.00 (277.70 to 278.70): E

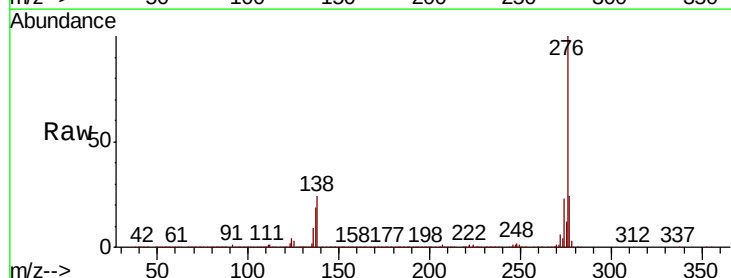
Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92  
Benzo(g,h,i)perylene  
Concen: 50.398 ng  
RT: 16.94 min Scan# 2525  
Delta R.T. 0.01 min  
Lab File: BF114709.D  
Acq: 31 May 2019 15:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 24.5  | 19.7  | 29.5  |
| 138     | 23.7  | 19.8  | 29.8  |



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

