

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062819\  
 Data File : BF115277.D  
 Acq On : 28 Jun 2019 13:21  
 Operator : HP/JU  
 Sample : PB120984BS  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB120984BS

Manual Integrations  
 APPROVED

mohammad  
 7/1/2019 3:05:42 PM

Quant Time: Jun 29 04:44:58 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 28 05:26:43 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.60  | 152  | 242047   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 7.88  | 136  | 927689   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.63  | 164  | 450970   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.10 | 188  | 883255   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 13.72 | 240  | 622409   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.09 | 264  | 766242   | 20.00 | ng    | 0.00     |

|                             |       |     |         |        |    |      |
|-----------------------------|-------|-----|---------|--------|----|------|
| System Monitoring Compounds |       |     |         |        |    |      |
| 5) 2-Fluorophenol           | 5.21  | 112 | 1799579 | 114.73 | ng | 0.02 |
| 7) Phenol-d6                | 6.25  | 99  | 2231007 | 117.19 | ng | 0.01 |
| 23) Nitrobenzene-d5         | 7.17  | 82  | 1380987 | 91.57  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol    | 10.41 | 330 | 648944  | 136.46 | ng | 0.00 |
| 45) 2-Fluorobiphenyl        | 8.96  | 172 | 2547785 | 95.96  | ng | 0.00 |
| 79) Terphenyl-d14           | 12.68 | 244 | 2782863 | 95.06  | ng | 0.00 |

|                                |      |     |         |        |    |      |
|--------------------------------|------|-----|---------|--------|----|------|
| Target Compounds               |      |     |         | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 2.23 | 88  | 246171  | 33.255 | ng | 99   |
| 3) Pyridine                    | 2.87 | 79  | 716745  | 34.353 | ng | 97   |
| 4) n-Nitrosodimethylamine      | 2.82 | 42  | 308887  | 37.765 | ng | 97   |
| 6) Aniline                     | 6.26 | 93  | 652356  | 24.932 | ng | # 1  |
| 8) 2-Chlorophenol              | 6.39 | 128 | 740917  | 42.009 | ng | 98   |
| 9) Benzaldehyde                | 6.14 | 77  | 147323  | 11.861 | ng | 98   |
| 10) Phenol                     | 6.26 | 94  | 831158  | 37.271 | ng | 94   |
| 11) bis(2-Chloroethyl)ether    | 6.34 | 93  | 685578  | 41.706 | ng | 99   |
| 12) 1,3-Dichlorobenzene        | 6.54 | 146 | 805069  | 41.130 | ng | 99   |
| 13) 1,4-Dichlorobenzene        | 6.62 | 146 | 808412  | 41.186 | ng | 100  |
| 14) 1,2-Dichlorobenzene        | 6.77 | 146 | 747746  | 41.137 | ng | 98   |
| 15) Benzyl Alcohol             | 6.75 | 79  | 551619  | 39.791 | ng | 98   |
| 16) 2,2'-oxybis(1-Chloropropan | 6.89 | 45  | 963352  | 40.406 | ng | 98   |
| 17) 2-Methylphenol             | 6.87 | 107 | 605687  | 41.605 | ng | 98   |
| 18) Hexachloroethane           | 7.11 | 117 | 286596  | 40.501 | ng | 98   |
| 19) n-Nitroso-di-n-propylamine | 7.02 | 70  | 474479  | 38.929 | ng | 98   |
| 20) 3+4-Methylphenols          | 7.02 | 107 | 712283  | 42.373 | ng | 92   |
| 22) Acetophenone               | 7.01 | 105 | 975559  | 45.935 | ng | # 96 |
| 24) Nitrobenzene               | 7.18 | 77  | 738646  | 44.459 | ng | 98   |
| 25) Isophorone                 | 7.42 | 82  | 1362279 | 44.096 | ng | 99   |
| 26) 2-Nitrophenol              | 7.50 | 139 | 420923  | 51.303 | ng | 98   |
| 27) 2,4-Dimethylphenol         | 7.55 | 122 | 674265  | 50.193 | ng | 98   |
| 28) bis(2-Chloroethoxy)methane | 7.64 | 93  | 861011  | 44.096 | ng | 99   |
| 29) 2,4-Dichlorophenol         | 7.74 | 162 | 639403  | 46.122 | ng | 97   |
| 30) 1,2,4-Trichlorobenzene     | 7.82 | 180 | 707961  | 46.232 | ng | 99   |
| 31) Naphthalene                | 7.90 | 128 | 2088955 | 45.873 | ng | 100  |
| 32) Benzoic acid               | 7.69 | 122 | 517275  | 53.945 | ng | 96   |
| 33) 4-Chloroaniline            | 7.95 | 127 | 357054  | 17.156 | ng | 99   |
| 34) Hexachlorobutadiene        | 8.03 | 225 | 382766  | 45.613 | ng | 99   |
| 35) Caprolactam                | 8.32 | 113 | 213001m | 45.699 | ng |      |
| 36) 4-Chloro-3-methylphenol    | 8.44 | 107 | 646079  | 46.018 | ng | 100  |
| 37) 2-Methylnaphthalene        | 8.60 | 142 | 1412018 | 45.988 | ng | 99   |
| 38) 1-Methylnaphthalene        | 8.69 | 142 | 1348533 | 45.987 | ng | 99   |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.77 | 216 | 598493  | 46.964 | ng | 99   |

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Instrument :  
 BNA\_F  
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Manual Integrations  
 APPROVED

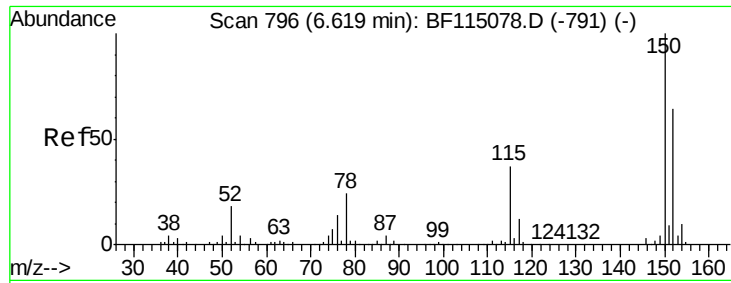
mohammad  
 7/1/2019 3:05:42 PM

Quant Time: Jun 29 04:44:58 2019  
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| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 8.75  | 237  | 719256   | 95.184  | ng    | 99       |
| 43) 2,4,6-Trichlorophenol      | 8.87  | 196  | 462418   | 47.001  | ng    | 100      |
| 44) 2,4,5-Trichlorophenol      | 8.91  | 196  | 492092   | 48.569  | ng    | 99       |
| 46) 1,1'-Biphenyl              | 9.06  | 154  | 1631860  | 45.224  | ng    | 98       |
| 47) 2-Chloronaphthalene        | 9.08  | 162  | 1337522  | 45.696  | ng    | 98       |
| 48) 2-Nitroaniline             | 9.17  | 65   | 386600   | 45.305  | ng    | 97       |
| 49) Acenaphthylene             | 9.49  | 152  | 2070702  | 45.407  | ng    | 100      |
| 50) Dimethylphthalate          | 9.37  | 163  | 1523593  | 45.921  | ng    | 100      |
| 51) 2,6-Dinitrotoluene         | 9.42  | 165  | 361180   | 47.152  | ng    | 97       |
| 52) Acenaphthene               | 9.66  | 154  | 1215253  | 42.586  | ng    | 98       |
| 53) 3-Nitroaniline             | 9.58  | 138  | 238154   | 25.477  | ng    | 99       |
| 54) 2,4-Dinitrophenol          | 9.69  | 184  | 415618   | 103.109 | ng    | 93       |
| 55) Dibenzofuran               | 9.84  | 168  | 1793187  | 43.782  | ng    | 99       |
| 56) 4-Nitrophenol              | 9.75  | 139  | 667438   | 89.063  | ng    | 97       |
| 57) 2,4-Dinitrotoluene         | 9.82  | 165  | 489944   | 49.536  | ng    | 95       |
| 58) Fluorene                   | 10.18 | 166  | 1251891  | 46.065  | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol  | 9.95  | 232  | 422489   | 49.730  | ng    | 98       |
| 60) Diethylphthalate           | 10.07 | 149  | 1482063  | 44.438  | ng    | 99       |
| 61) 4-Chlorophenyl-phenylether | 10.17 | 204  | 608636   | 47.318  | ng    | 99       |
| 62) 4-Nitroaniline             | 10.20 | 138  | 403891   | 43.070  | ng    | 98       |
| 63) Azobenzene                 | 10.33 | 77   | 1381103  | 44.335  | ng    | 99       |
| 65) 4,6-Dinitro-2-methylphenol | 10.22 | 198  | 245471   | 51.794  | ng    | 87       |
| 66) n-Nitrosodiphenylamine     | 10.29 | 169  | 1259902  | 45.785  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether  | 10.65 | 248  | 440321   | 45.980  | ng    | 98       |
| 68) Hexachlorobenzene          | 10.72 | 284  | 484836   | 46.644  | ng    | 96       |
| 69) Atrazine                   | 10.82 | 200  | 417516   | 47.167  | ng    | 100      |
| 70) Pentachlorophenol          | 10.91 | 266  | 587110   | 88.660  | ng    | 97       |
| 71) Phenanthrene               | 11.12 | 178  | 2060494  | 43.328  | ng    | 99       |
| 72) Anthracene                 | 11.18 | 178  | 2112589  | 44.008  | ng    | 99       |
| 73) Carbazole                  | 11.33 | 167  | 1924039  | 44.885  | ng    | 98       |
| 74) Di-n-butylphthalate        | 11.68 | 149  | 2259440  | 45.614  | ng    | 98       |
| 75) Fluoranthene               | 12.30 | 202  | 2170553  | 45.746  | ng    | 100      |
| 77) Benzidine                  | 12.42 | 184  | 734966   | 26.593  | ng    | 99       |
| 78) Pyrene                     | 12.53 | 202  | 2180075  | 45.577  | ng    | 98       |
| 80) Butylbenzylphthalate       | 13.17 | 149  | 1046304  | 49.567  | ng    | 90       |
| 81) Benzo(a)anthracene         | 13.71 | 228  | 2054865  | 46.011  | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine     | 13.68 | 252  | 518763   | 32.166  | ng    | 97       |
| 83) Chrysene                   | 13.75 | 228  | 1957681  | 47.854  | ng    | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 13.73 | 149  | 1376171  | 49.754  | ng    | 99       |
| 85) Di-n-octyl phthalate       | 14.34 | 149  | 2350699  | 50.582  | ng    | 99       |
| 86) Indeno(1,2,3-cd)pyrene     | 16.37 | 276  | 2545510  | 52.585  | ng    | 99       |
| 88) Benzo(b)fluoranthene       | 14.72 | 252  | 2392072  | 50.032  | ng    | 99       |
| 89) Benzo(k)fluoranthene       | 14.75 | 252  | 1803582  | 42.065  | ng    | 99       |
| 90) Benzo(a)pyrene             | 15.04 | 252  | 2108588  | 48.931  | ng    | 98       |
| 91) Dibenzo(a,h)anthracene     | 16.39 | 278  | 2059481  | 51.192  | ng    | 98       |
| 92) Benzo(g,h,i)perylene       | 16.75 | 276  | 2175045  | 53.418  | ng    | 99       |

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





#1

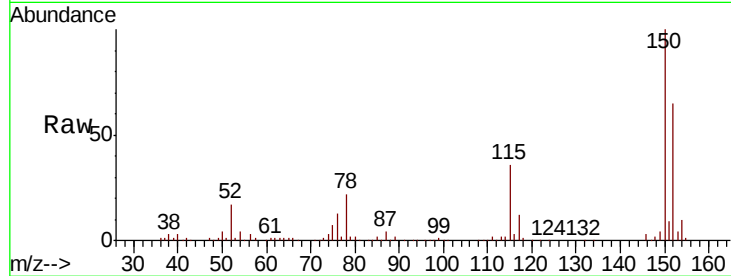
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.60 min Scan# 793  
Delta R.T. 0.00 min  
Lab File: BF115277.D  
Acq: 28 Jun 2019 13:21

Instrument :  
BNA\_F  
ClientSampleId :  
PB120984BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 153.2 | 124.2 | 186.2 |
| 115     | 55.4  | 46.1  | 69.1  |

Manual Integrations  
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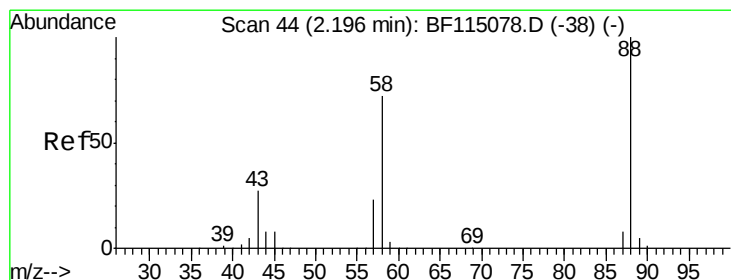
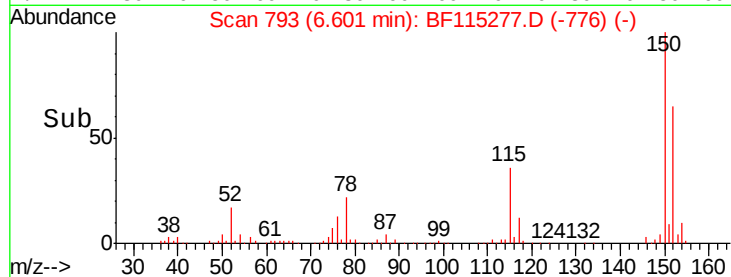
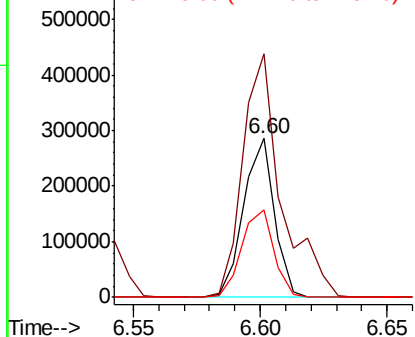


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

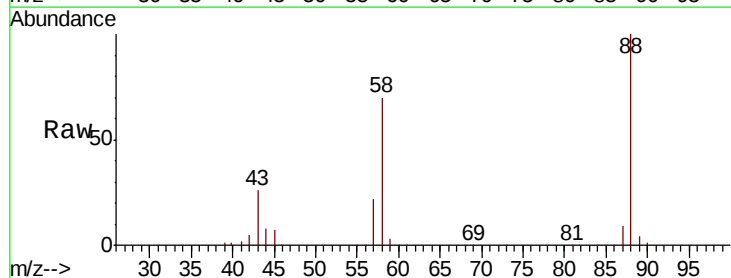
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane  
Concen: 33.255 ng  
RT: 2.23 min Scan# 49  
Delta R.T. 0.07 min  
Lab File: BF115277.D  
Acq: 28 Jun 2019 13:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 69.9  | 56.1  | 84.1  |
| 43      | 25.9  | 21.3  | 31.9  |

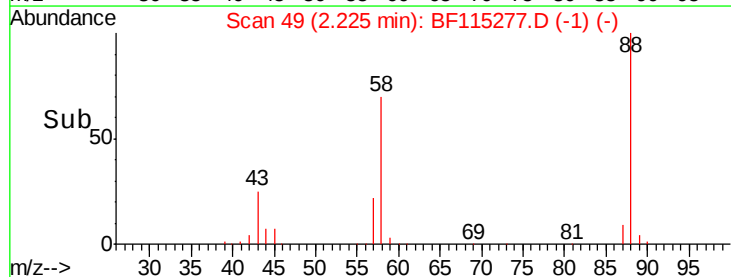
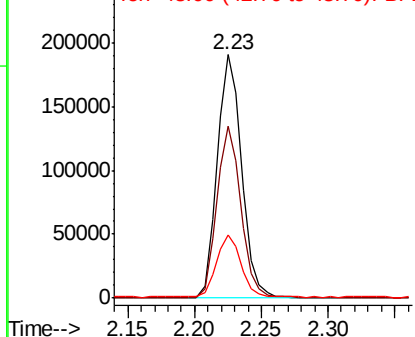


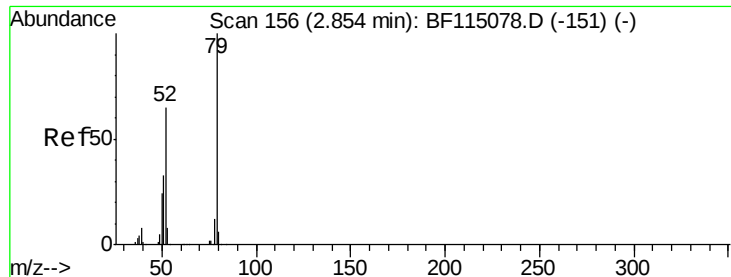
Abundance

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: 34.353 ng

RT: 2.87 min Scan# 159

Delta R.T. 0.07 min

Lab File: BF115277.D

Acq: 28 Jun 2019 13:21

Instrument :

BNA\_F

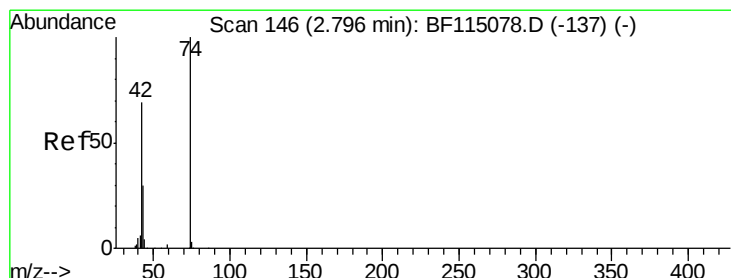
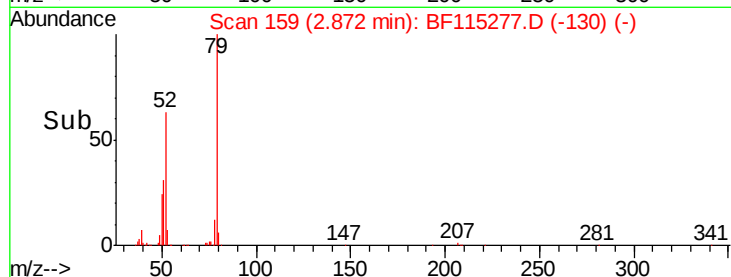
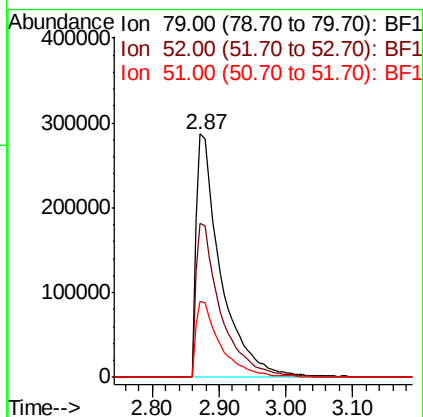
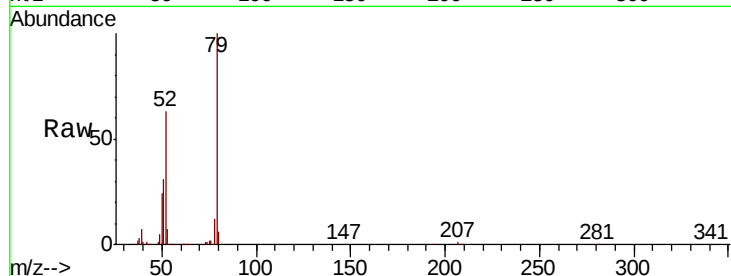
ClientSampleId :

PB120984BS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 79    | Resp: | 716745 |
| Ion      | Ratio | Lower | Upper  |
| 79       | 100   |       |        |
| 52       | 63.1  | 52.3  | 78.5   |
| 51       | 31.1  | 26.1  | 39.1   |

Manual Integrations  
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#4

n-Nitrosodimethylamine

Concen: 37.765 ng

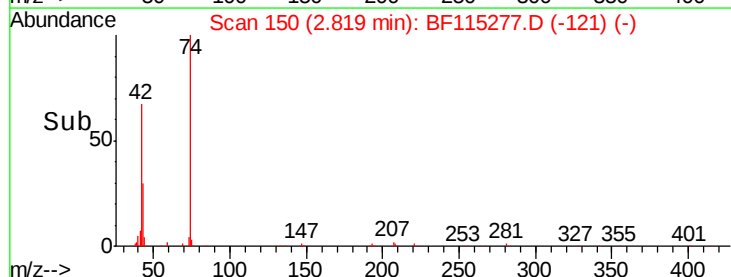
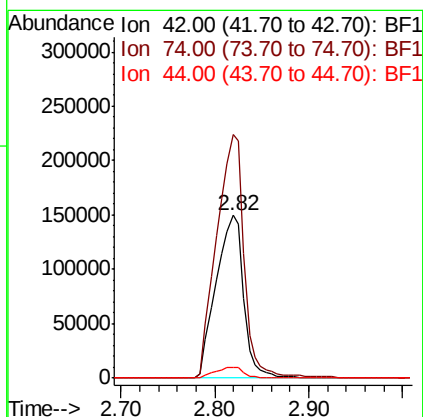
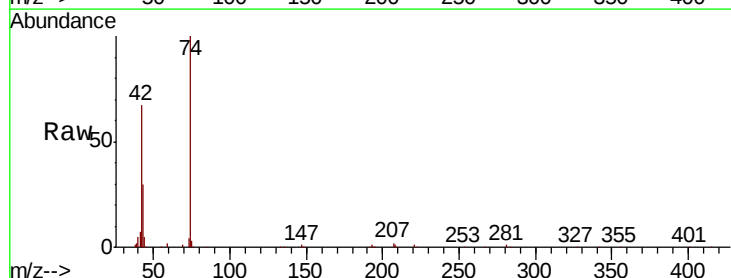
RT: 2.82 min Scan# 150

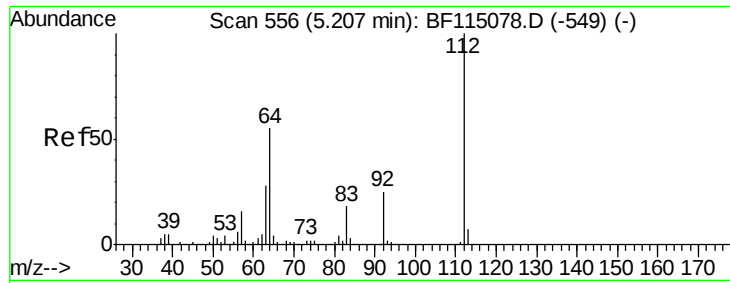
Delta R.T. 0.07 min

Lab File: BF115277.D

Acq: 28 Jun 2019 13:21

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 42    | Resp: | 308887 |
| Ion      | Ratio | Lower | Upper  |
| 42       | 100   |       |        |
| 74       | 149.7 | 116.6 | 175.0  |
| 44       | 6.8   | 5.3   | 7.9    |





#5

2-Fluorophenol

Concen: 114.732 ng

RT: 5.21 min Scan# 556

Delta R.T. 0.02 min

Lab File: BF115277.D

Acq: 28 Jun 2019 13:21

Instrument :

BNA\_F

ClientSampleId :

PB120984BS

Tot Ion: 112 Resp: 1799579

Ion Ratio Lower Upper

112 100

64 54.6 43.8 65.6

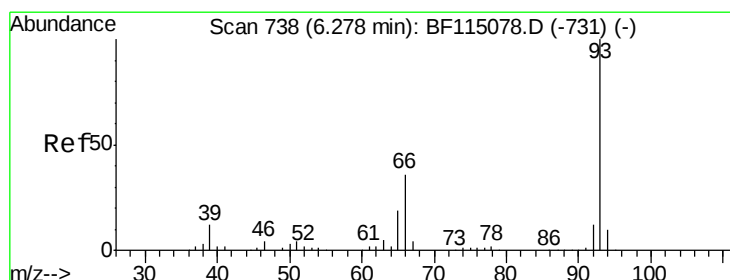
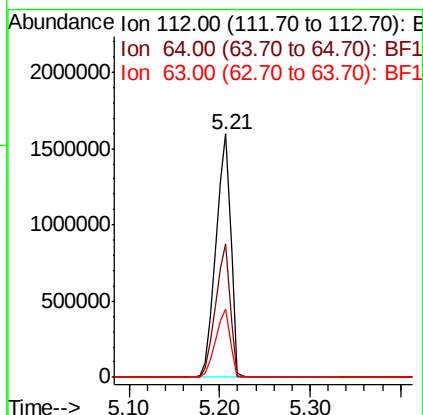
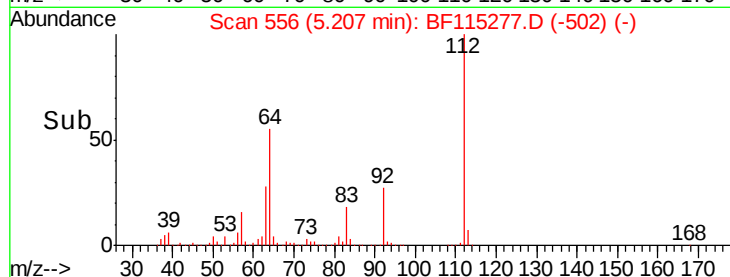
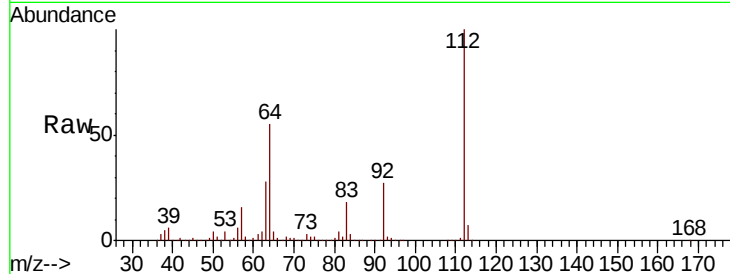
63 27.9 22.2 33.4

Manual Integrations

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#6

Aniline

Concen: 24.932 ng

RT: 6.26 min Scan# 735

Delta R.T. 0.00 min

Lab File: BF115277.D

Acq: 28 Jun 2019 13:21

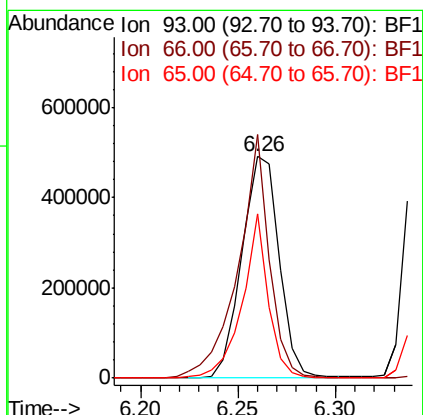
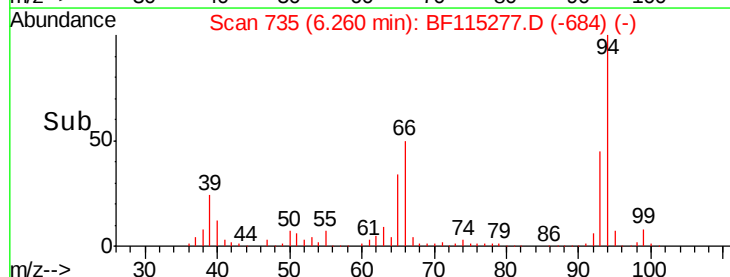
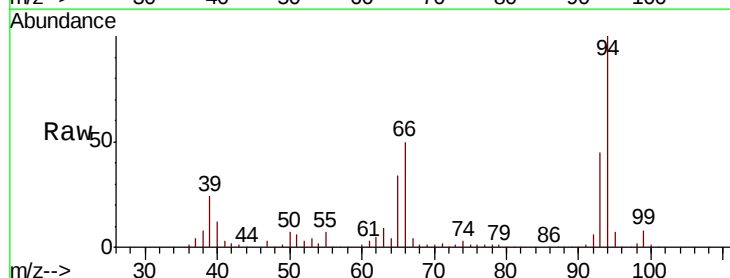
Tgt Ion: 93 Resp: 652356

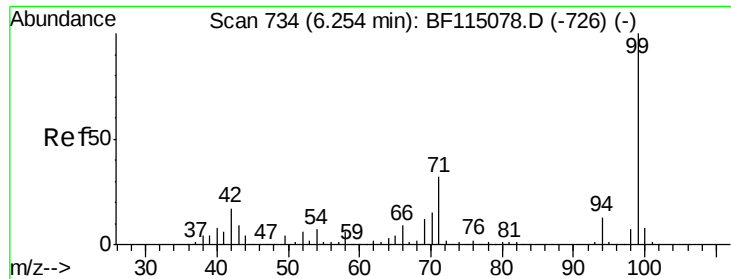
Ion Ratio Lower Upper

93 100

66 109.9 30.0 45.0#

65 74.2 15.6 23.4#





#7

Phenol-d6

Concen: 117.188 ng

RT: 6.25 min Scan# 733

Delta R.T. 0.01 min

Lab File: BF115277.D

Acq: 28 Jun 2019 13:21

Instrument :

BNA\_F

ClientSampleId :

PB120984BS

Tot Ion: 99 Resp: 2231007

Ion Ratio Lower Upper

99 100

42 16.9 13.6 20.4

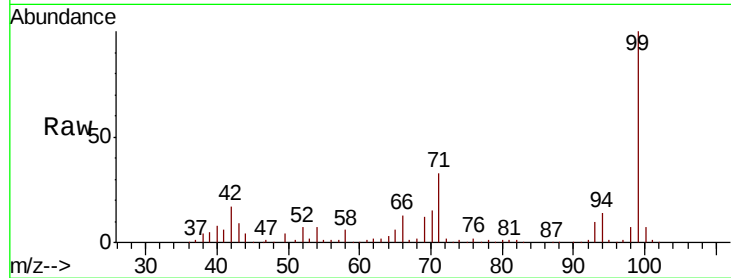
71 33.2 25.5 38.3

Manual Integrations

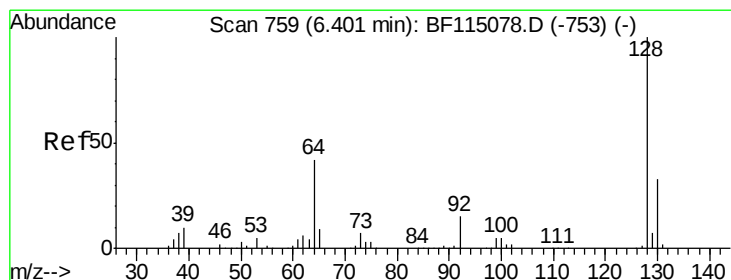
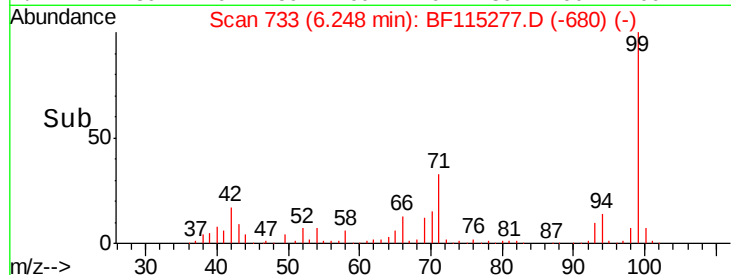
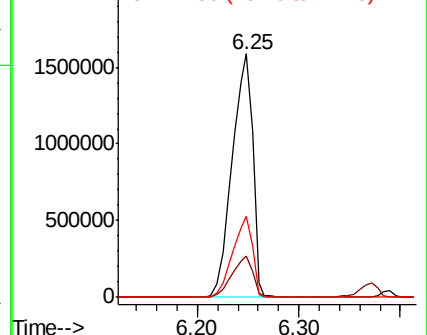
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Abundance Ion 99.00 (98.70 to 99.70): BF1  
Ion 42.00 (41.70 to 42.70): BF1  
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 42.009 ng

RT: 6.39 min Scan# 757

Delta R.T. 0.01 min

Lab File: BF115277.D

Acq: 28 Jun 2019 13:21

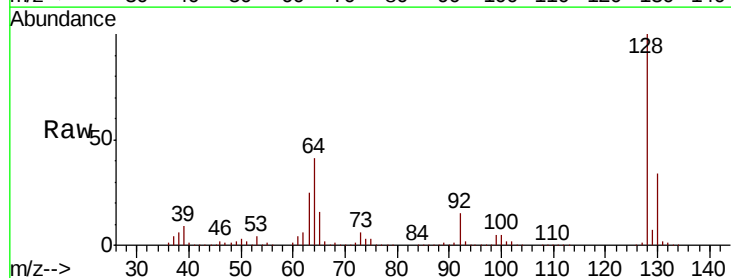
Tgt Ion: 128 Resp: 740917

Ion Ratio Lower Upper

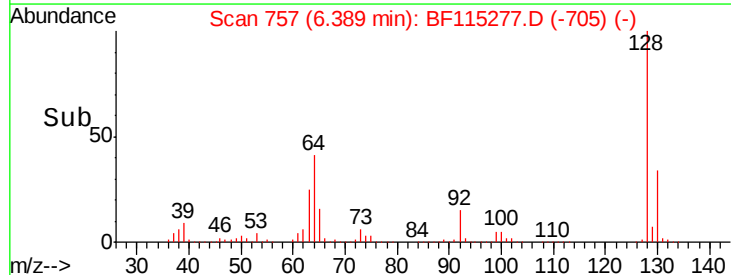
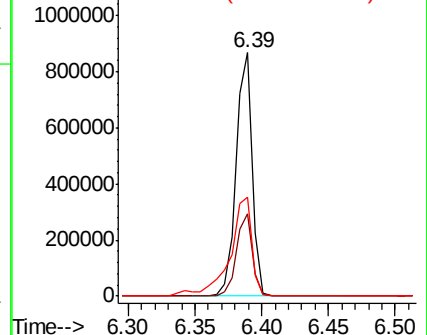
128 100

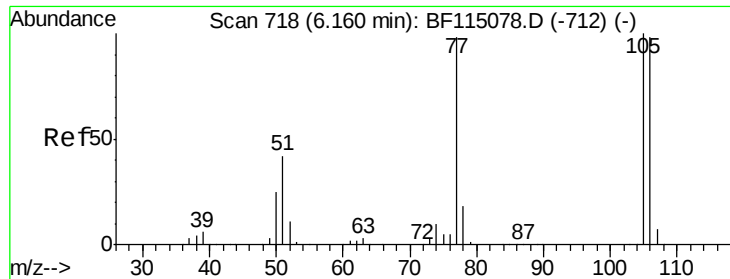
130 33.6 12.9 52.9

64 40.9 22.9 62.9



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: 11.861 ng

RT: 6.14 min Scan# 714

Delta R.T. -0.01 min

Lab File: BF115277.D

Acq: 28 Jun 2019 13:21

Instrument :

BNA\_F

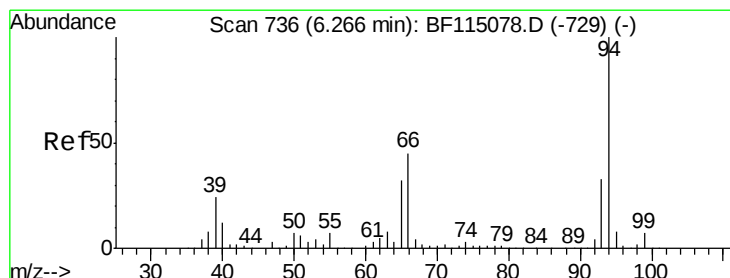
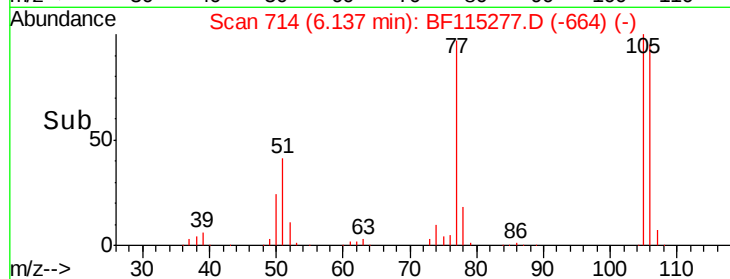
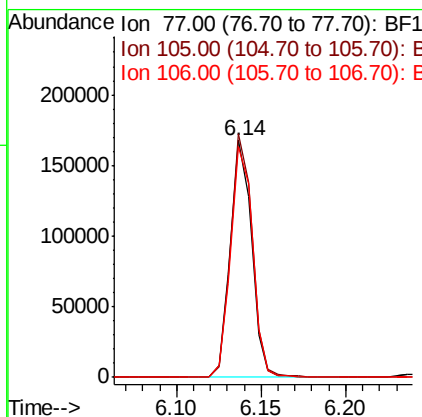
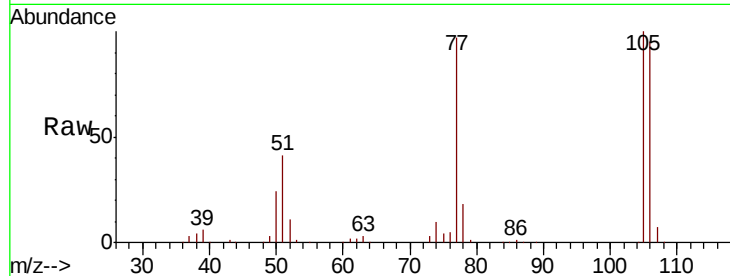
ClientSampleId :

PB120984BS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 77    | Resp: | 147323 |
| Ion      | Ratio | Lower | Upper  |
| 77       | 100   |       |        |
| 105      | 102.9 | 81.5  | 121.5  |
| 106      | 97.3  | 79.7  | 119.7  |

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#10

Phenol

Concen: 37.271 ng

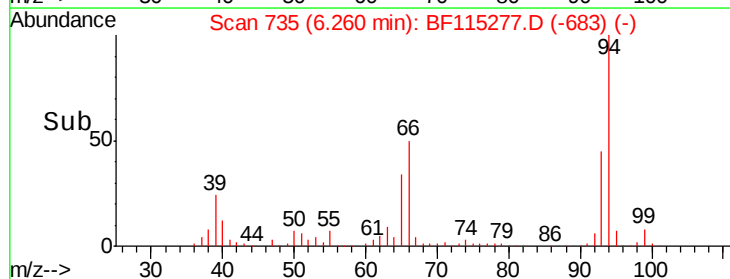
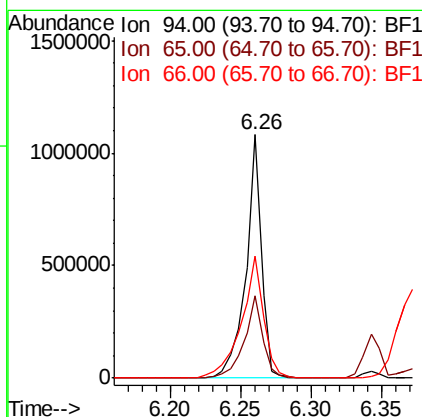
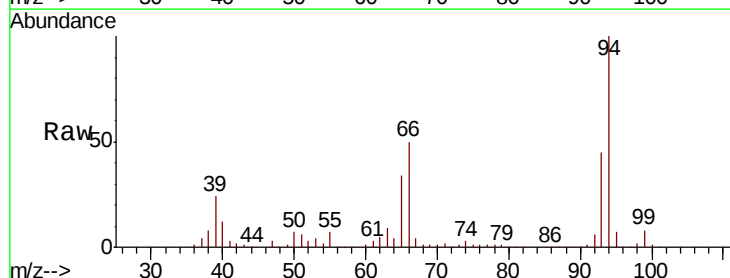
RT: 6.26 min Scan# 735

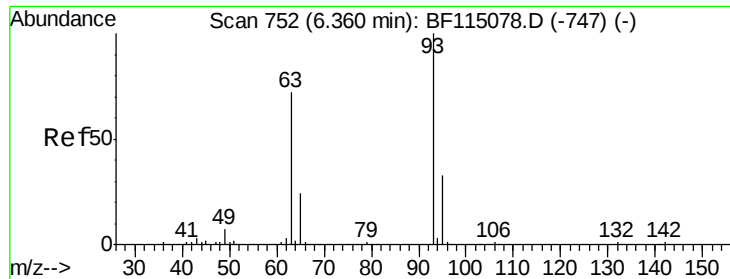
Delta R.T. 0.01 min

Lab File: BF115277.D

Acq: 28 Jun 2019 13:21

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 94    | Resp: | 831158 |
| Ion      | Ratio | Lower | Upper  |
| 94       | 100   |       |        |
| 65       | 33.7  | 11.9  | 51.9   |
| 66       | 49.9  | 25.2  | 65.2   |





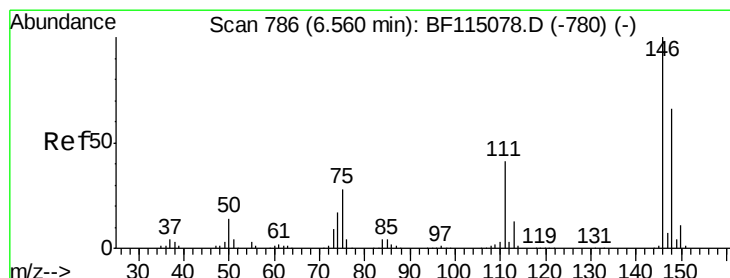
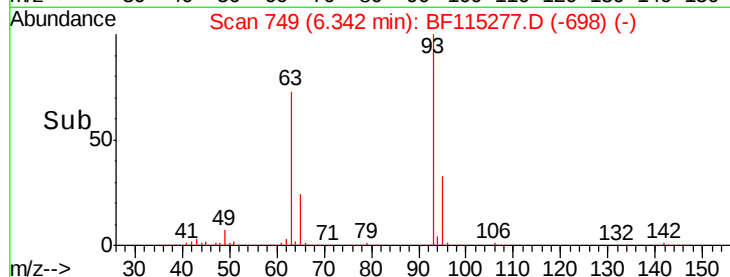
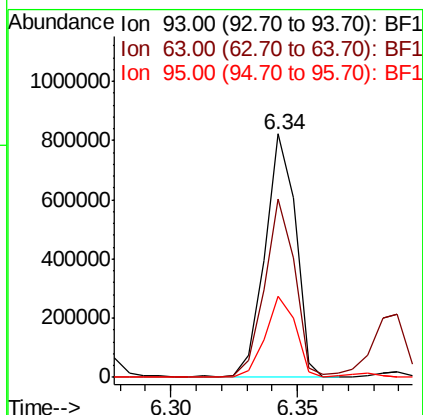
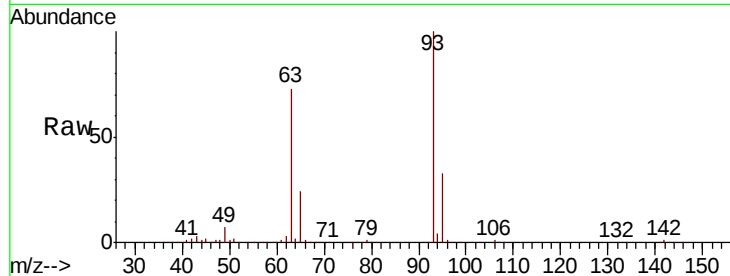
#11  
bis(2-Chloroethyl)ether  
Concen: 41.706 ng  
RT: 6.34 min Scan# 749  
Delta R.T. 0.00 min  
Lab File: BF115277.D  
Acq: 28 Jun 2019 13:21

Instrument :  
BNA\_F  
ClientSampleId :  
PB120984BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 73.1  | 51.5  | 91.5  |
| 95      | 33.2  | 13.4  | 53.4  |

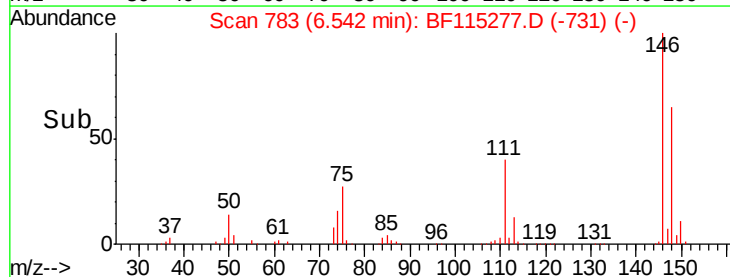
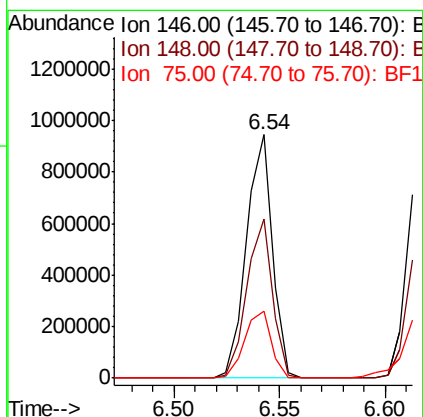
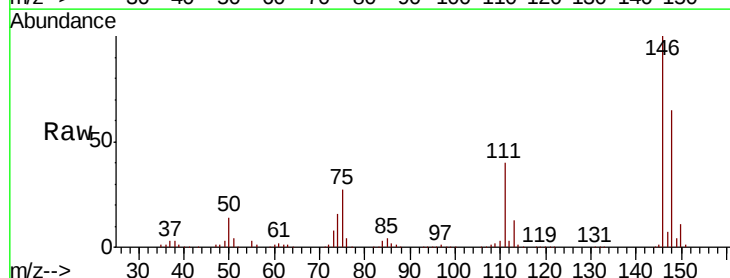
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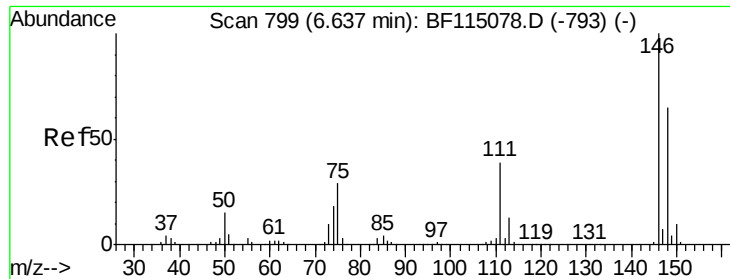
mohammad  
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#12  
1,3-Dichlorobenzene  
Concen: 41.130 ng  
RT: 6.54 min Scan# 783  
Delta R.T. 0.01 min  
Lab File: BF115277.D  
Acq: 28 Jun 2019 13:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 65.4  | 52.6  | 78.8  |
| 75      | 27.4  | 22.6  | 34.0  |





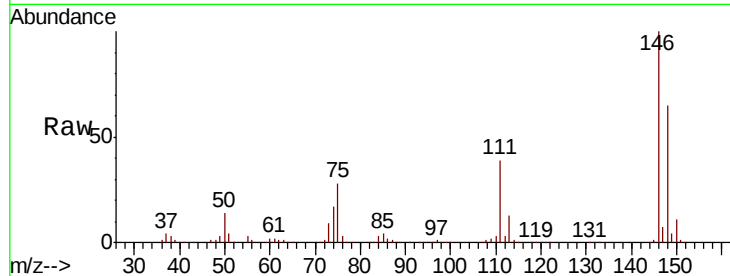
#13  
 1,4-Dichlorobenzene  
 Concen: 41.186 ng  
 RT: 6.62 min Scan# 796  
 Delta R.T. 0.00 min  
 Lab File: BF115277.D  
 Acq: 28 Jun 2019 13:21

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB120984BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.8  | 51.9  | 77.9  |
| 111     | 38.9  | 31.4  | 47.0  |

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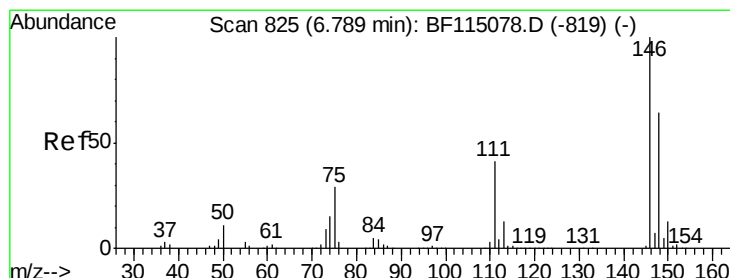
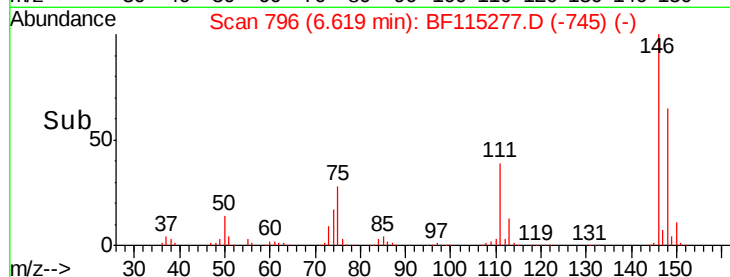
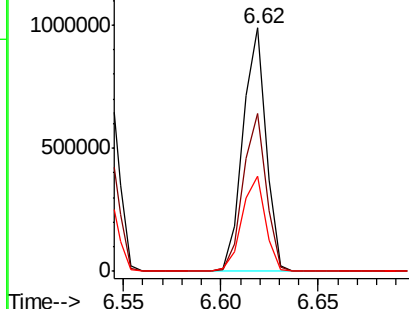


Abundance

Ion 146.00 (145.70 to 146.70): E

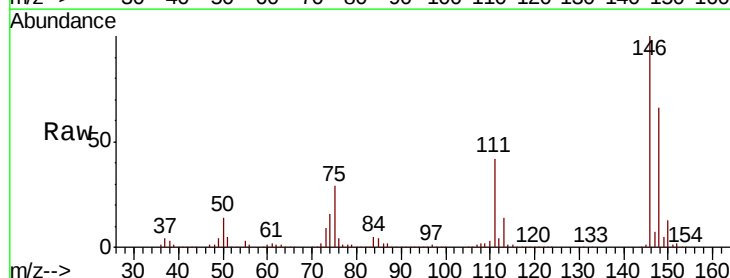
Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14  
 1,2-Dichlorobenzene  
 Concen: 41.137 ng  
 RT: 6.77 min Scan# 822  
 Delta R.T. 0.00 min  
 Lab File: BF115277.D  
 Acq: 28 Jun 2019 13:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 66.3  | 51.1  | 76.7  |
| 111     | 42.3  | 33.2  | 49.8  |

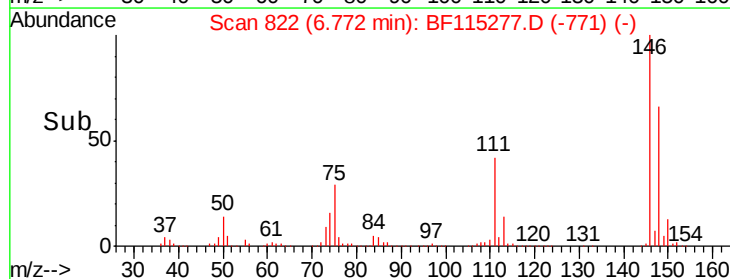
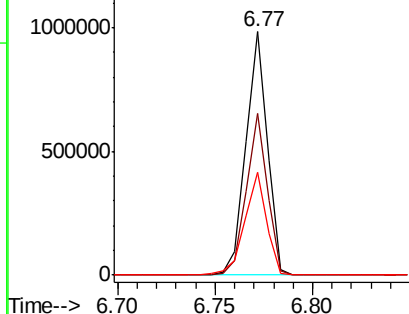


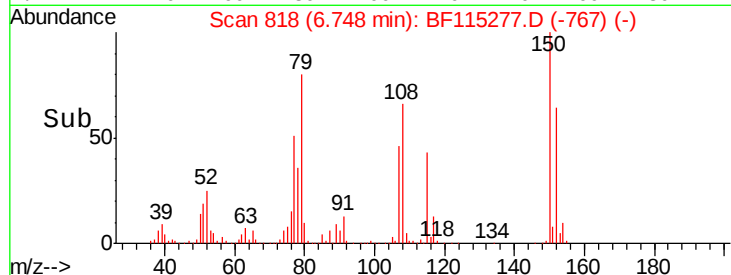
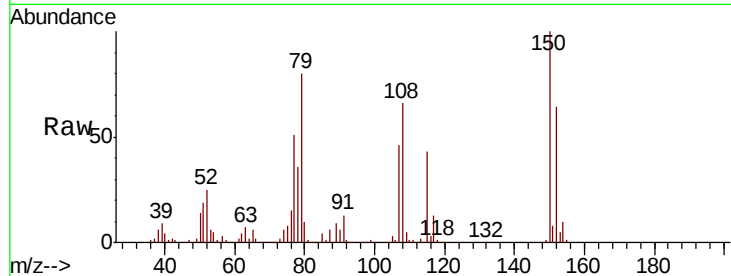
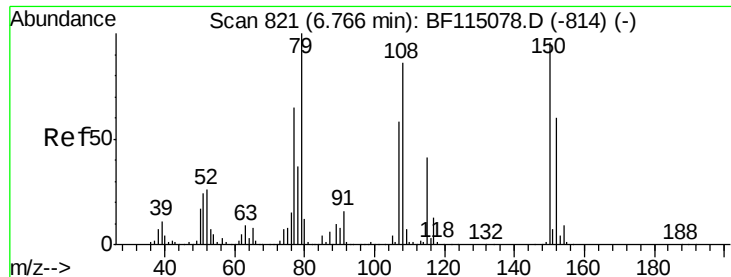
Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





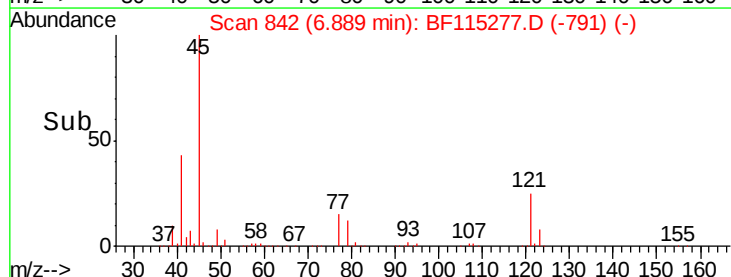
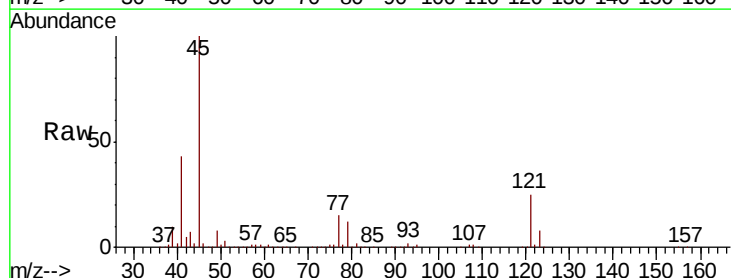
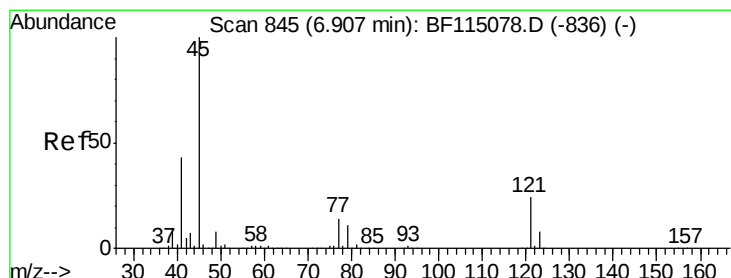
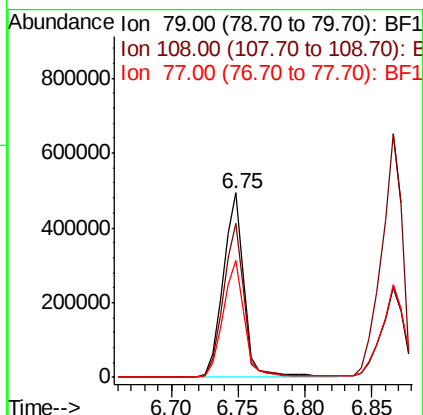
#15  
Benzyl Alcohol  
Concen: 39.791 ng  
RT: 6.75 min Scan# 818  
Delta R.T. 0.00 min  
Lab File: BF115277.D  
Acq: 28 Jun 2019 13:21

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 108     | 83.4  | 68.7  | 103.1 |
| 77      | 63.7  | 51.7  | 77.5  |

Instrument :  
BNA\_F  
ClientSampleID :  
PB120984BS

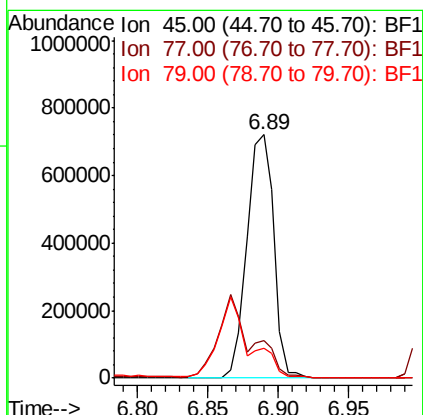
Manual Integrations  
APPROVED

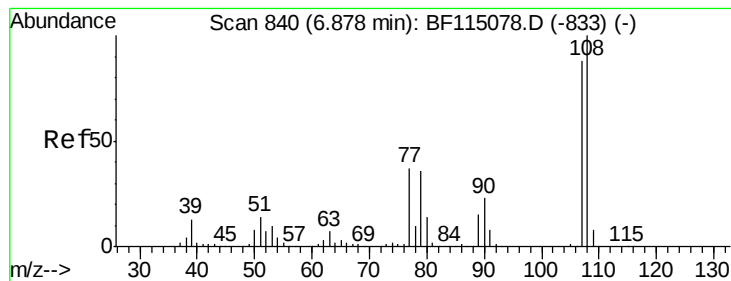
mohammad  
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#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 40.406 ng  
RT: 6.89 min Scan# 842  
Delta R.T. 0.00 min  
Lab File: BF115277.D  
Acq: 28 Jun 2019 13:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 77      | 15.3  | 0.0   | 34.6  |
| 79      | 12.1  | 0.0   | 31.2  |





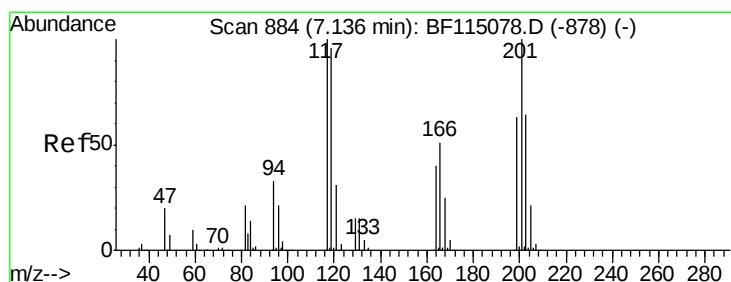
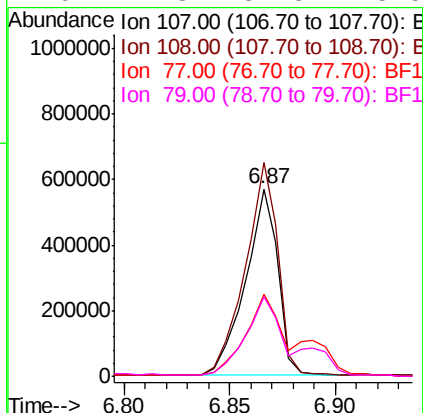
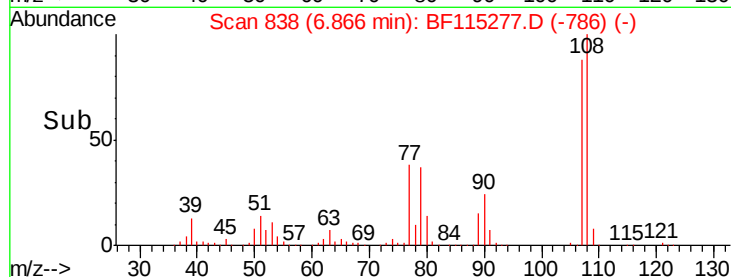
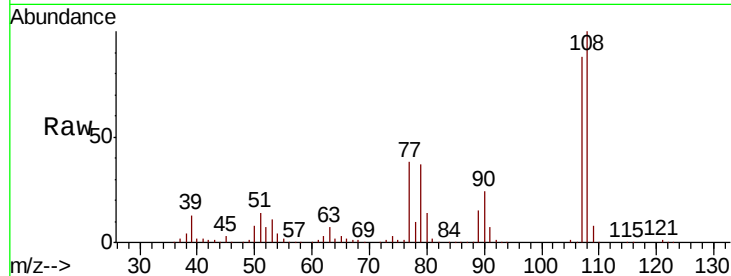
#17  
2-Methylphenol  
Concen: 41.605 ng  
RT: 6.87 min Scan# 838  
Delta R.T. 0.01 min  
Lab File: BF115277.D  
Acq: 28 Jun 2019 13:21

Instrument :  
BNA\_F  
ClientSampleId :  
PB120984BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   |      |       |       |
| 108     | 114.2 | 90.9 | 136.3 |       |
| 77      | 43.5  | 33.4 | 50.2  |       |
| 79      | 42.3  | 32.3 | 48.5  |       |

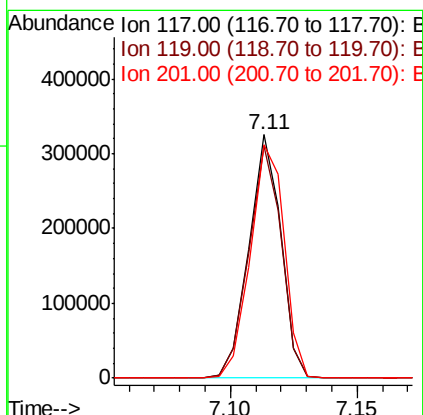
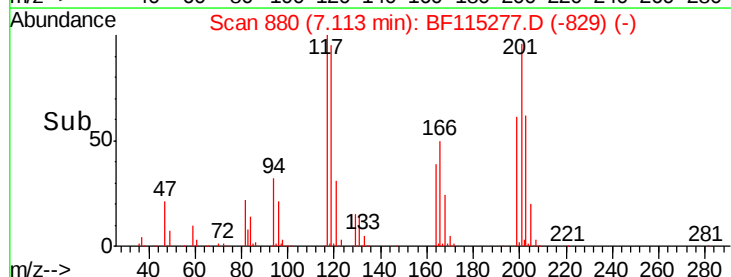
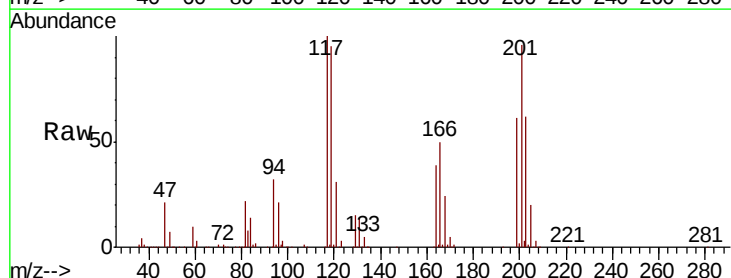
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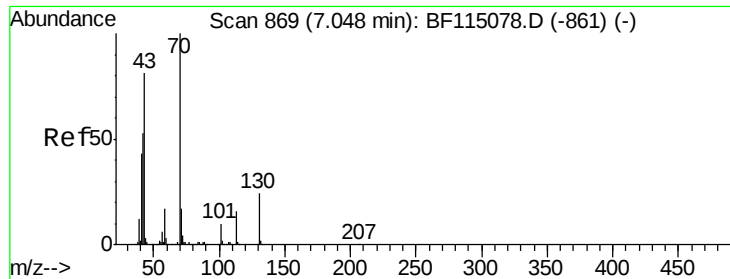
mohammad  
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#18  
Hexachloroethane  
Concen: 40.501 ng  
RT: 7.11 min Scan# 880  
Delta R.T. 0.00 min  
Lab File: BF115277.D  
Acq: 28 Jun 2019 13:21

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 119     | 95.3  | 76.6 | 114.8 |       |
| 201     | 96.1  | 80.2 | 120.2 |       |





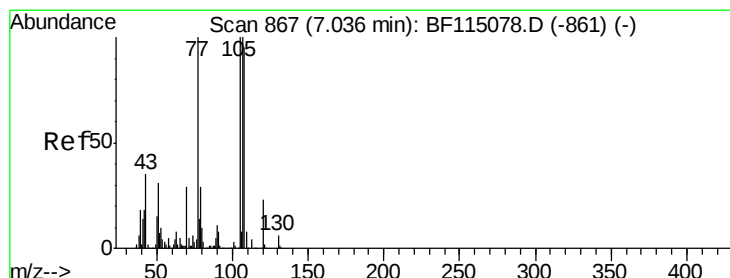
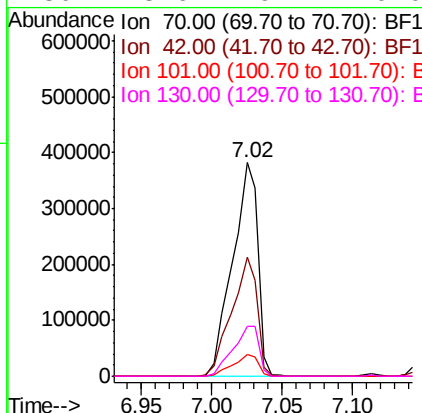
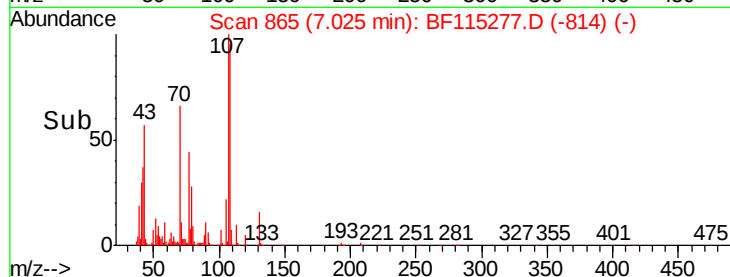
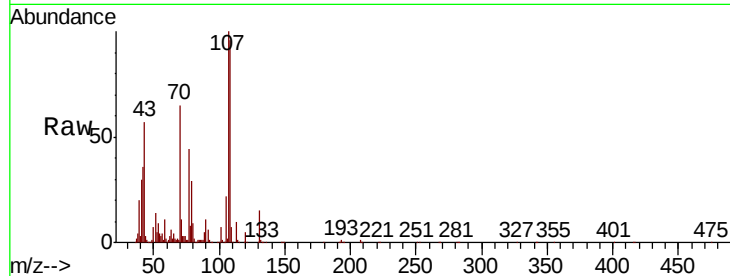
#19  
n-Nitroso-di-n-propylamine  
Concen: 38.929 ng  
RT: 7.02 min Scan# 865  
Delta R.T. 0.00 min  
Lab File: BF115277.D  
Acq: 28 Jun 2019 13:21

Instrument :  
BNA\_F  
ClientSampleId :  
PB120984BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 55.5  | 42.6  | 63.8  |
| 101     | 10.0  | 8.0   | 12.0  |
| 130     | 23.6  | 19.4  | 29.0  |

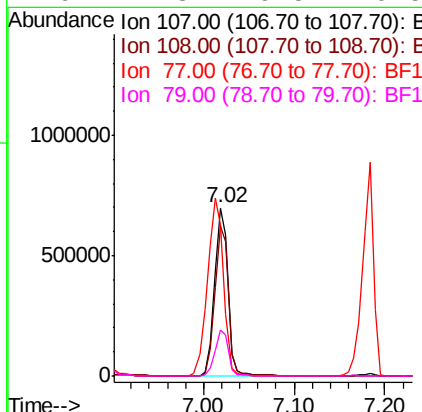
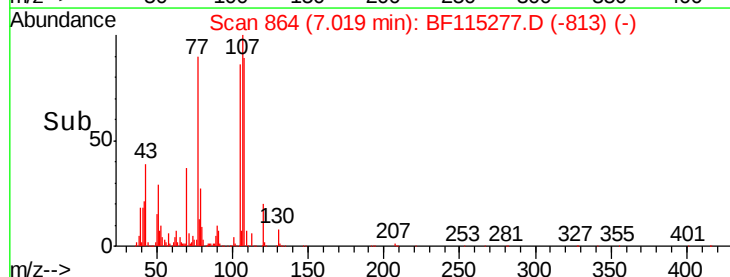
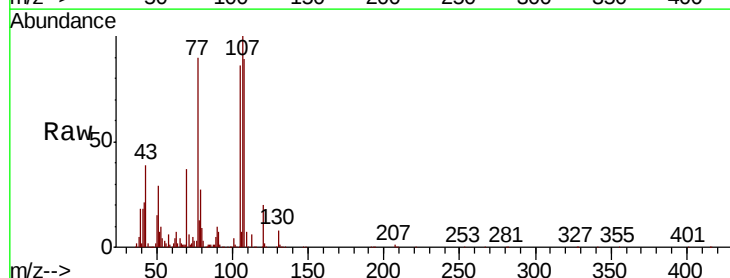
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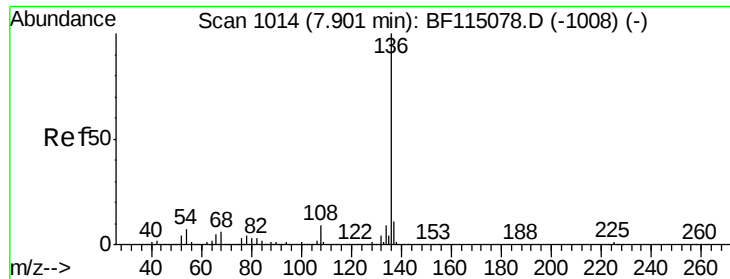
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#20  
3+4-Methylphenols  
Concen: 42.373 ng  
RT: 7.02 min Scan# 864  
Delta R.T. 0.00 min  
Lab File: BF115277.D  
Acq: 28 Jun 2019 13:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 88.9  | 75.5  | 115.5 |
| 77      | 89.8  | 80.2  | 120.2 |
| 79      | 27.3  | 9.5   | 49.5  |





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.88 min Scan# 1011

Delta R.T. 0.00 min

Lab File: BF115277.D

Acq: 28 Jun 2019 13:21

Instrument :

BNA\_F

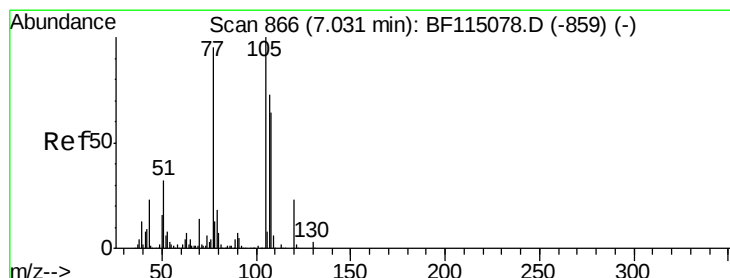
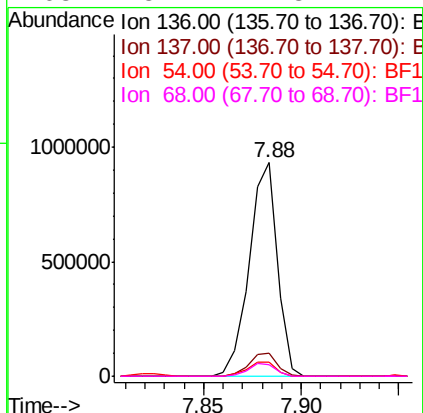
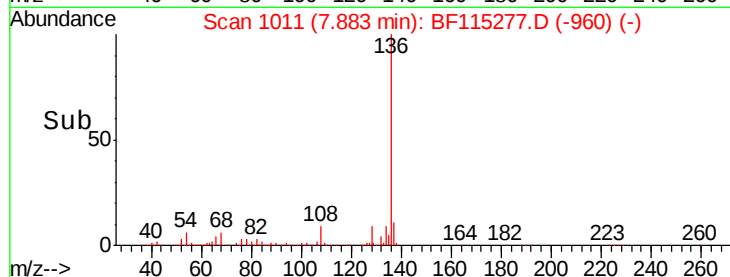
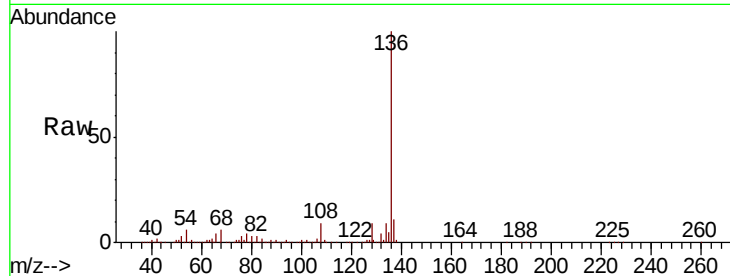
ClientSampleId :

PB120984BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 136     | 100   | 927689 |       |       |
| 137     | 10.8  |        | 8.9   | 13.3  |
| 54      | 6.5   |        | 5.6   | 8.4   |
| 68      | 5.7   |        | 4.8   | 7.2   |

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#22

Acetophenone

Concen: 45.935 ng

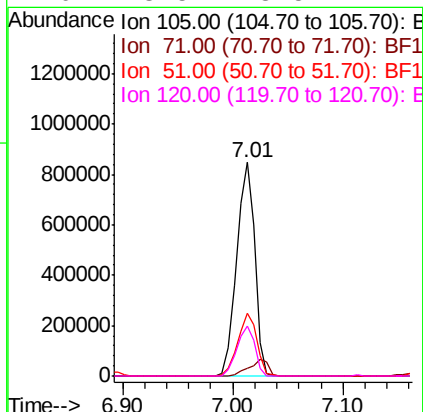
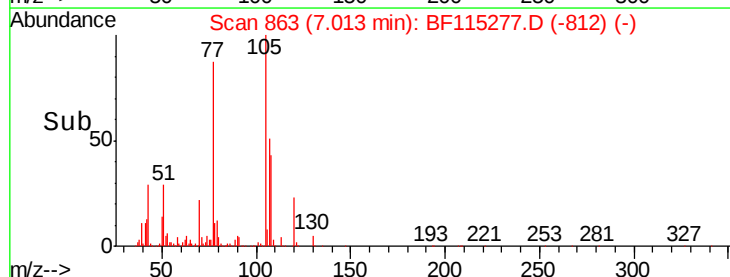
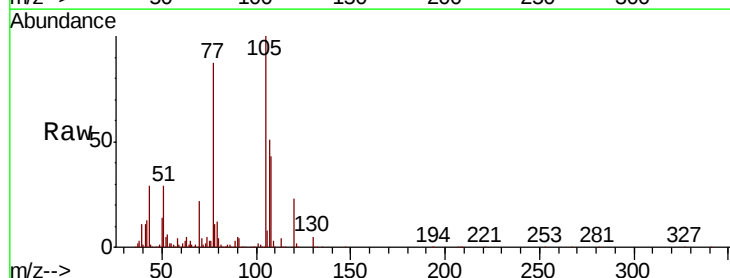
RT: 7.01 min Scan# 863

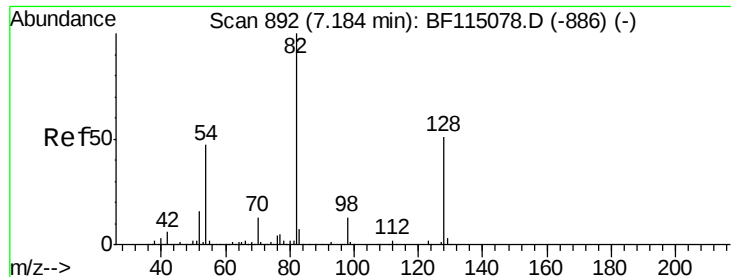
Delta R.T. 0.00 min

Lab File: BF115277.D

Acq: 28 Jun 2019 13:21

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 975559 |       |       |
| 71      | 3.8   |        | 1.9   | 2.9#  |
| 51      | 29.2  |        | 25.8  | 38.8  |
| 120     | 23.5  |        | 18.5  | 27.7  |





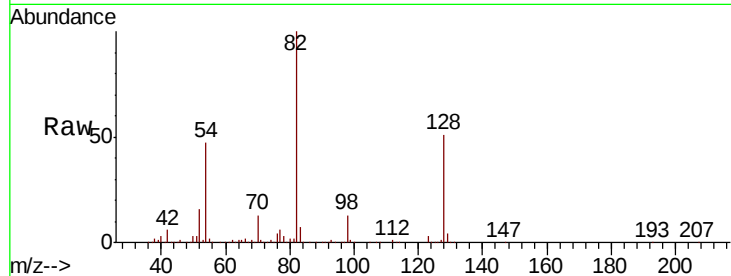
#23  
 Nitrobenzene-d5  
 Concen: 91.574 ng  
 RT: 7.17 min Scan# 889  
 Delta R.T. 0.00 min  
 Lab File: BF115277.D  
 Acq: 28 Jun 2019 13:21

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB120984BS

| Tot Ion   | 82   | Resp  | 1380987 |
|-----------|------|-------|---------|
| Ion Ratio | 100  | Lower | Upper   |
| 128       | 51.2 | 40.4  | 60.6    |
| 54        | 46.5 | 37.5  | 56.3    |

Manual Integrations  
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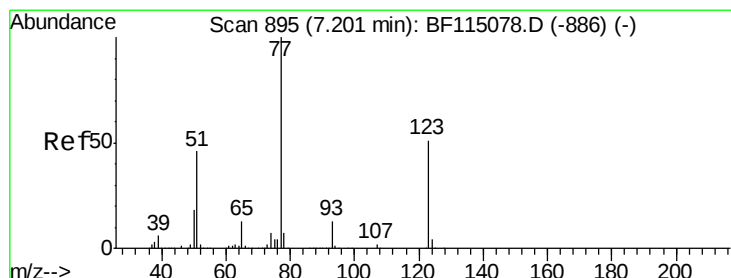
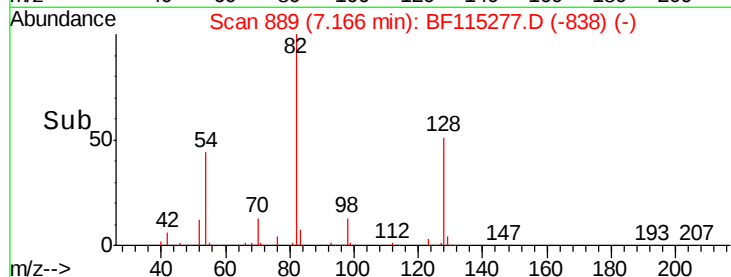
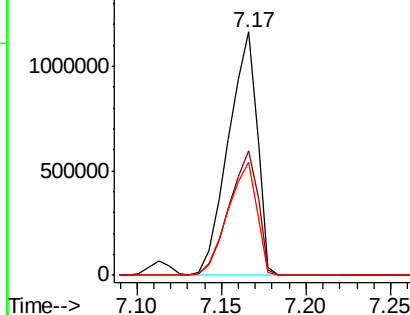


Abundance

Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#24  
 Nitrobenzene  
 Concen: 44.459 ng  
 RT: 7.18 min Scan# 892  
 Delta R.T. 0.00 min  
 Lab File: BF115277.D  
 Acq: 28 Jun 2019 13:21

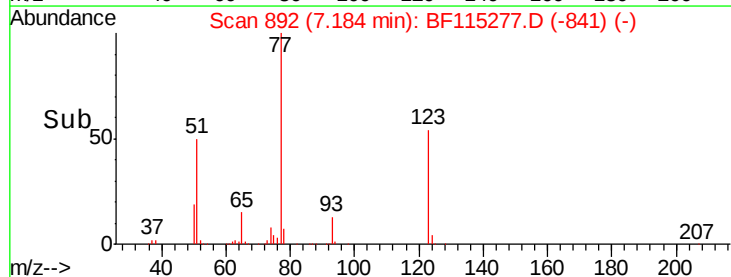
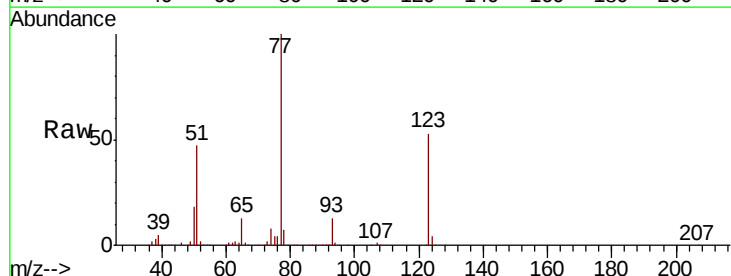
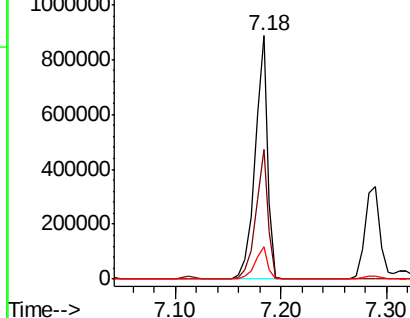
| Tgt Ion   | 77   | Resp  | 738646 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 123       | 53.3 | 41.0  | 61.6   |
| 65        | 13.4 | 10.5  | 15.7   |

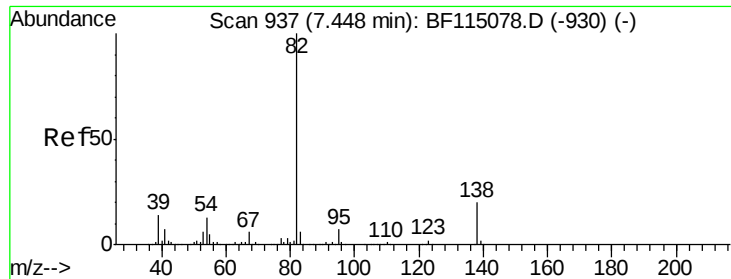
Abundance

Ion 77.00 (76.70 to 77.70): BF1

Ion 123.00 (122.70 to 123.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





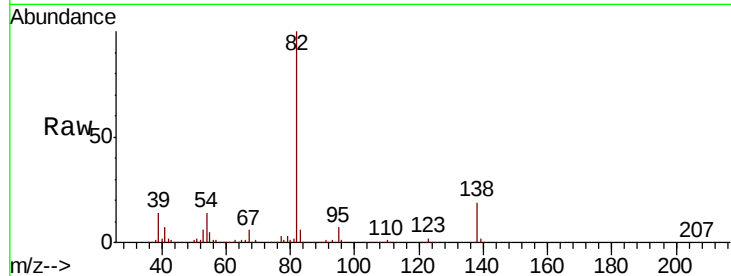
#25  
Isophorone  
Concen: 44.096 ng  
RT: 7.42 min Scan# 933  
Delta R.T. 0.00 min  
Lab File: BF115277.D  
Acq: 28 Jun 2019 13:21

Instrument :  
BNA\_F  
ClientSampleId :  
PB120984BS

| Tot Ion | 82    | Resp  | 1362279 |
|---------|-------|-------|---------|
| Ion     | Ratio | Lower | Upper   |
| 82      | 100   |       |         |
| 95      | 6.8   | 5.4   | 8.2     |
| 138     | 19.0  | 15.9  | 23.9    |

Manual Integrations  
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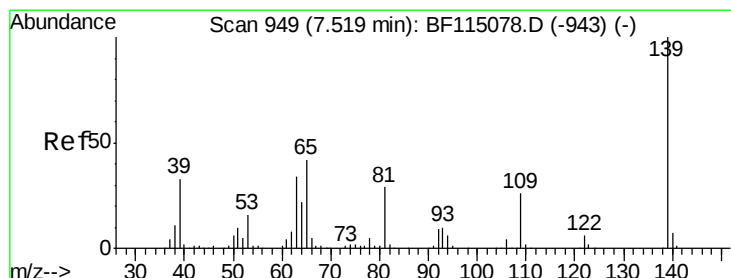
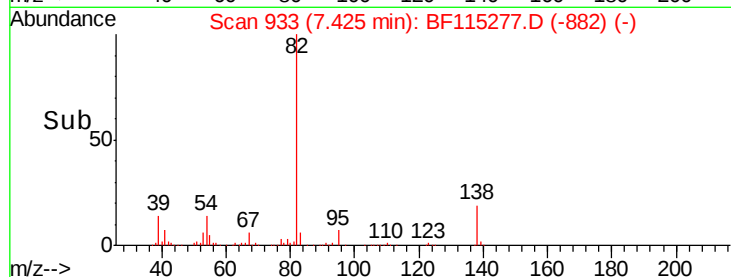
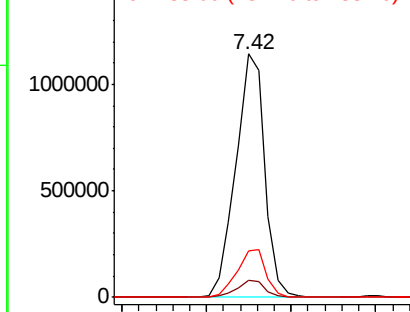


Abundance

Ion 82.00 (81.70 to 82.70): BF1

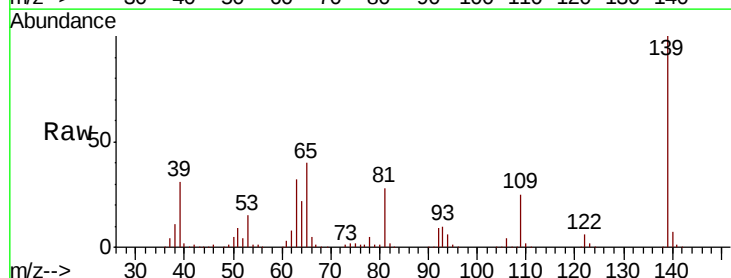
Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#26  
2-Nitrophenol  
Concen: 51.303 ng  
RT: 7.50 min Scan# 946  
Delta R.T. 0.00 min  
Lab File: BF115277.D  
Acq: 28 Jun 2019 13:21

| Tgt Ion | 139   | Resp  | 420923 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 139     | 100   |       |        |
| 109     | 25.3  | 20.4  | 30.6   |
| 65      | 39.9  | 33.6  | 50.4   |

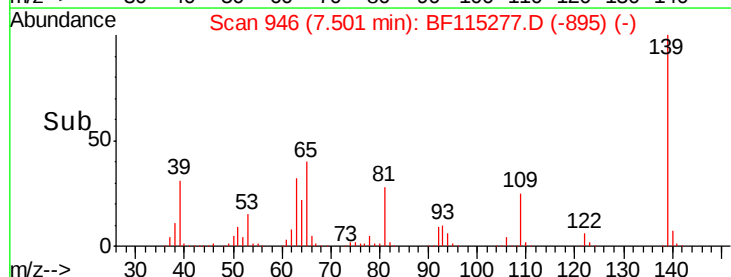
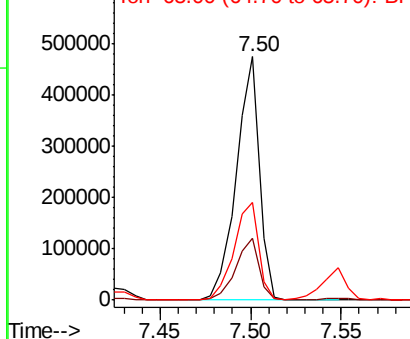


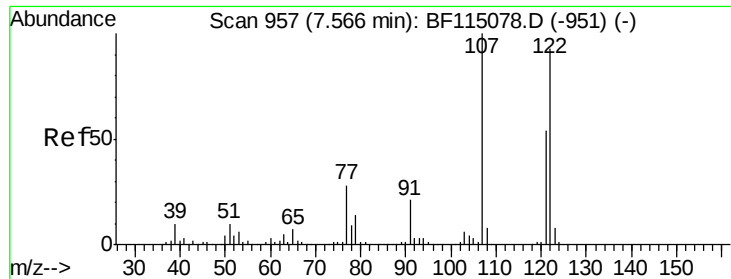
Abundance

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: 50.193 ng

RT: 7.55 min Scan# 954

Delta R.T. 0.00 min

Lab File: BF115277.D

Acq: 28 Jun 2019 13:21

Instrument :

BNA\_F

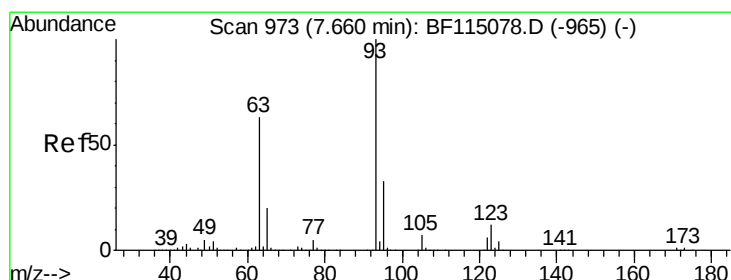
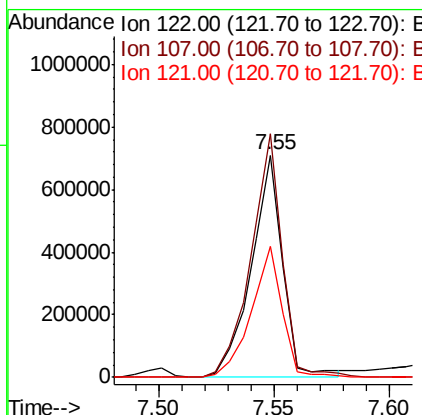
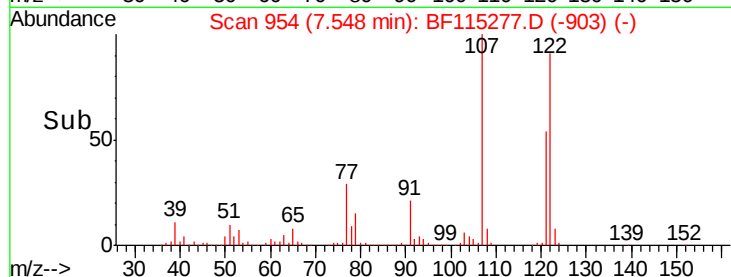
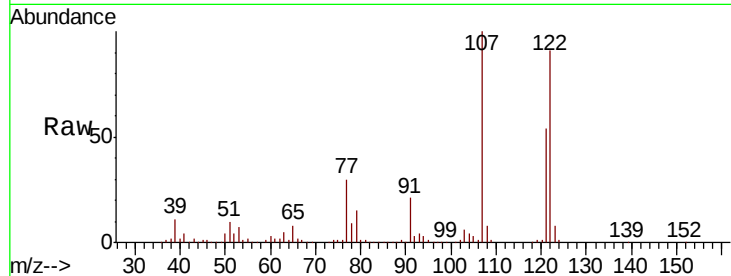
ClientSampleId :

PB120984BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 122   | Resp: | 674265 |
| Ion Ratio | Lower | Upper |        |
| 122       | 100   |       |        |
| 107       | 109.6 | 85.8  | 128.6  |
| 121       | 58.9  | 46.3  | 69.5   |

Manual Integrations  
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#28

bis(2-Chloroethoxy)methane

Concen: 44.096 ng

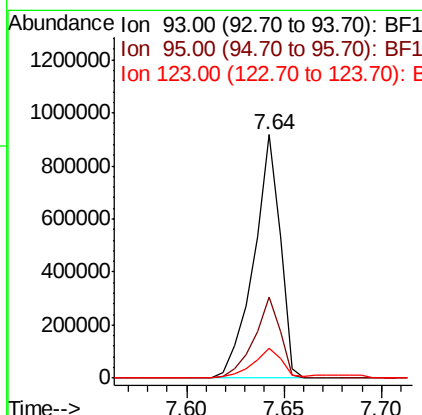
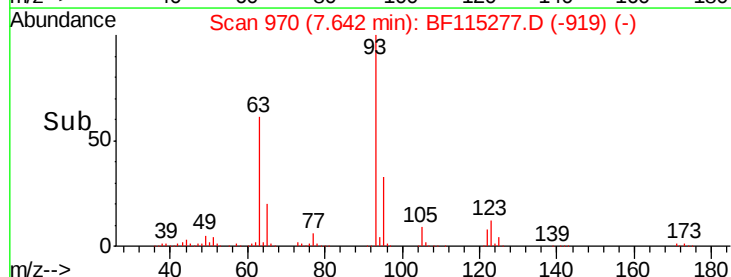
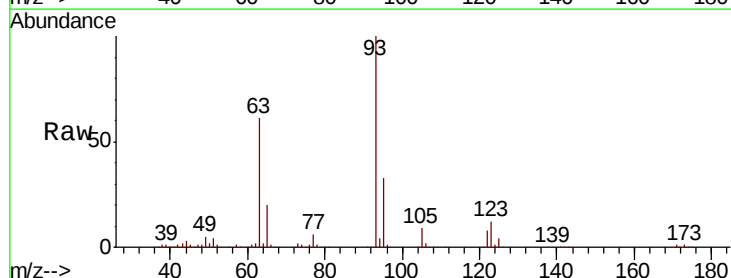
RT: 7.64 min Scan# 970

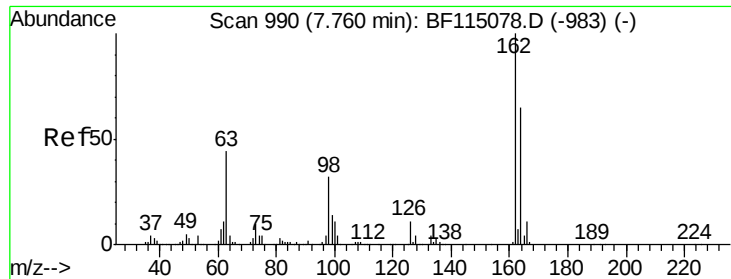
Delta R.T. 0.00 min

Lab File: BF115277.D

Acq: 28 Jun 2019 13:21

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 93    | Resp: | 861011 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 95        | 33.1  | 26.2  | 39.4   |
| 123       | 12.4  | 9.7   | 14.5   |





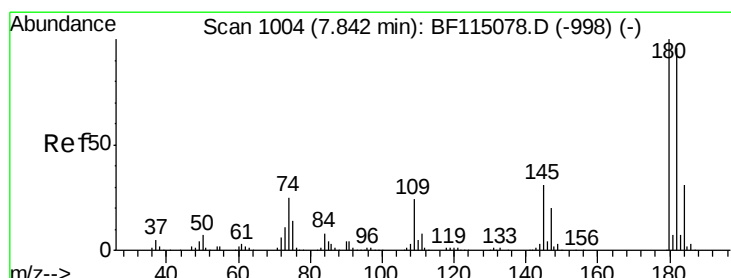
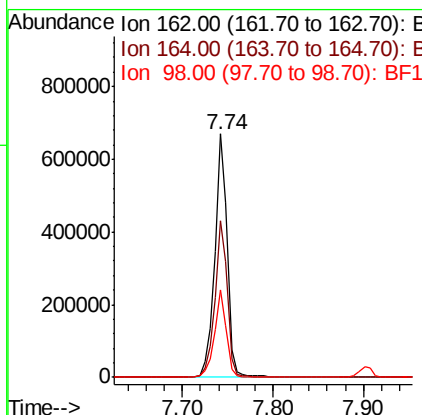
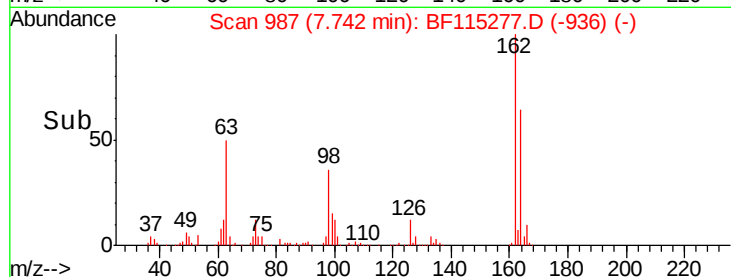
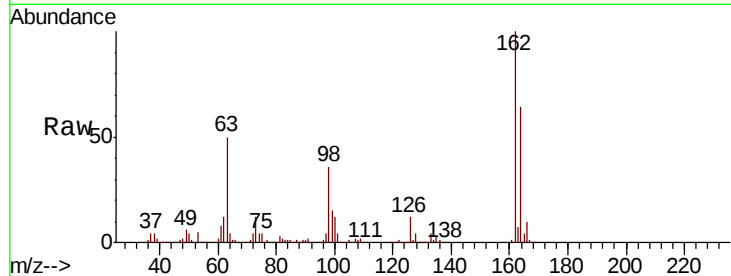
#29  
2,4-Dichlorophenol  
Concen: 46.122 ng  
RT: 7.74 min Scan# 987  
Delta R.T. 0.00 min  
Lab File: BF115277.D  
Acq: 28 Jun 2019 13:21

Instrument :  
BNA\_F  
ClientSampleId :  
PB120984BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 162     | 100   | 639403 |       |       |
| 164     | 64.4  | 45.3   | 85.3  |       |
| 98      | 35.7  | 12.5   | 52.5  |       |

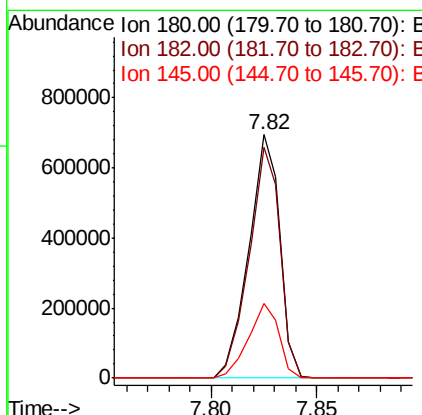
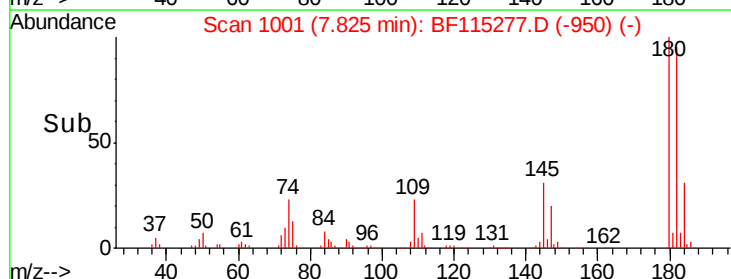
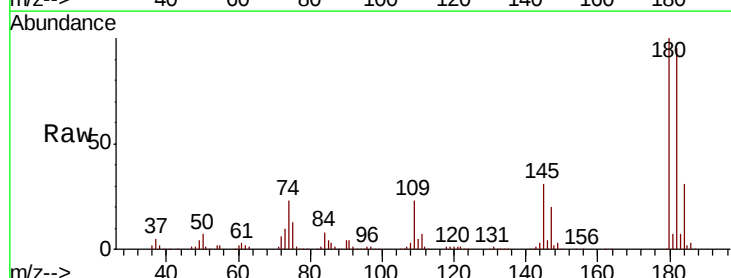
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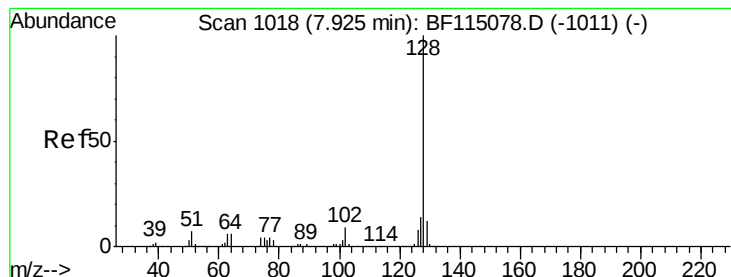
mohammad  
7/1/2019 3:05:42 PM



#30  
1,2,4-Trichlorobenzene  
Concen: 46.232 ng  
RT: 7.82 min Scan# 1001  
Delta R.T. 0.00 min  
Lab File: BF115277.D  
Acq: 28 Jun 2019 13:21

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 707961 |       |       |
| 182     | 94.9  | 76.4   | 114.6 |       |
| 145     | 30.6  | 24.8   | 37.2  |       |





#31

Naphthalene

Concen: 45.873 ng

RT: 7.90 min Scan# 1014

Delta R.T. 0.00 min

Lab File: BF115277.D

Acq: 28 Jun 2019 13:21

Instrument :

BNA\_F

ClientSampleId :

PB120984BS

Tot Ion:128 Resp: 2088955

Ion Ratio Lower Upper

128 100

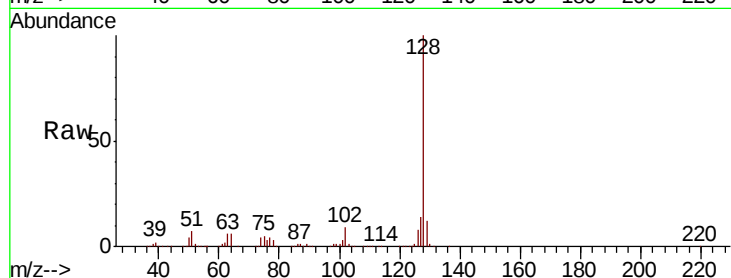
129 11.9 9.6 14.4

127 14.0 11.4 17.0

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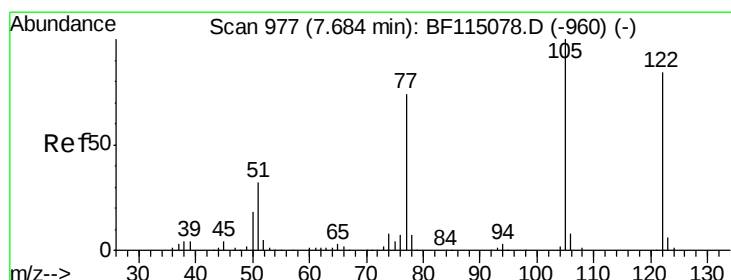
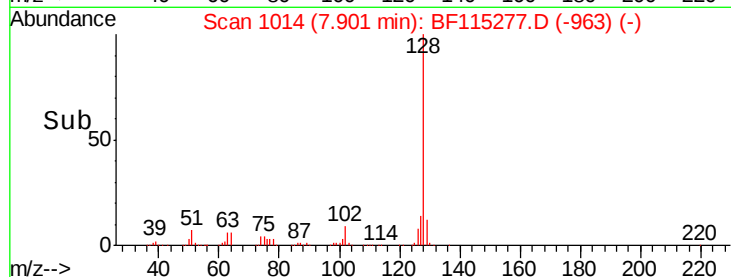
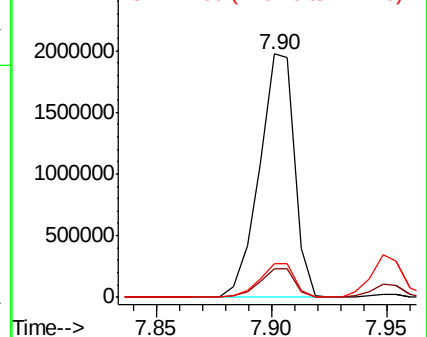


Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 53.945 ng

RT: 7.69 min Scan# 978

Delta R.T. 0.02 min

Lab File: BF115277.D

Acq: 28 Jun 2019 13:21

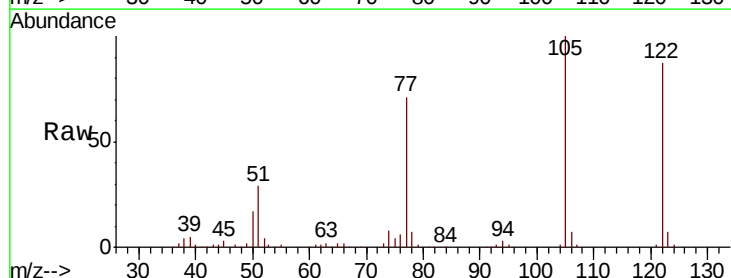
Tgt Ion:122 Resp: 517275

Ion Ratio Lower Upper

122 100

105 115.5 98.2 138.2

77 82.2 67.0 107.0

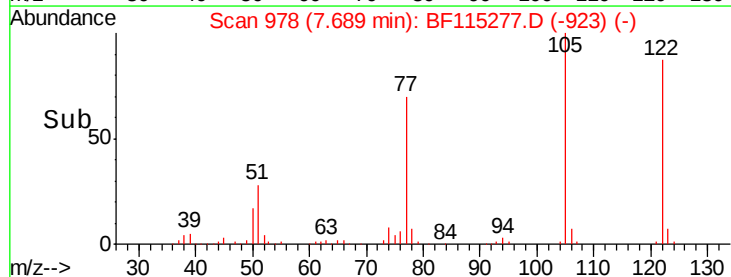
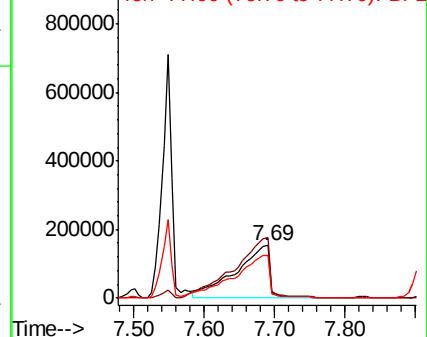


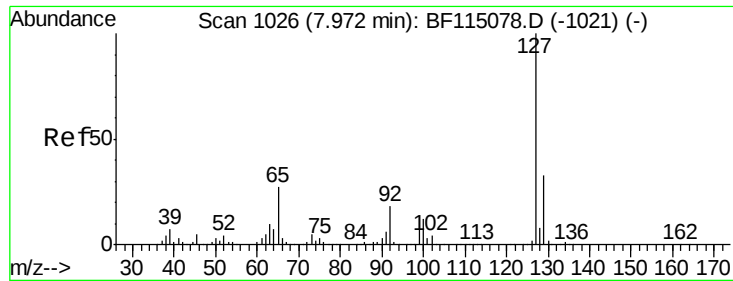
Abundance

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





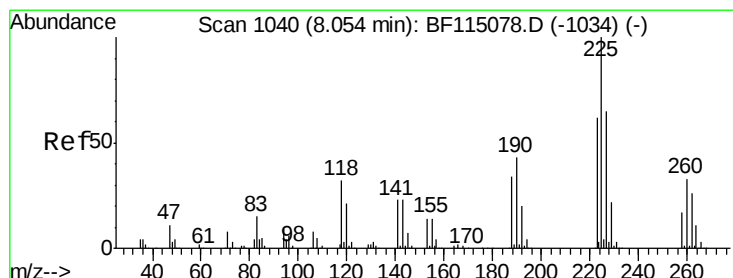
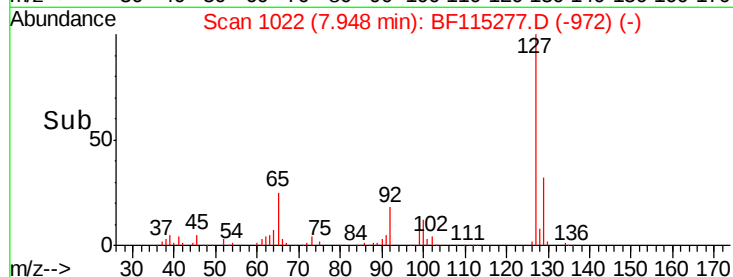
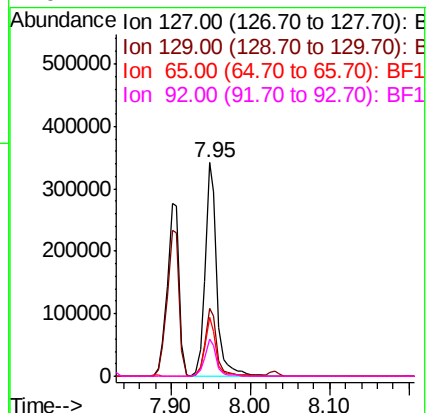
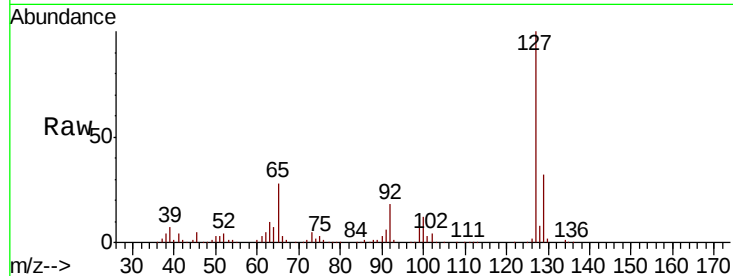
#33  
4-Chloroaniline  
Concen: 17.156 ng  
RT: 7.95 min Scan# 1022  
Delta R.T. -0.01 min  
Lab File: BF115277.D  
Acq: 28 Jun 2019 13:21

Instrument :  
BNA\_F  
ClientSampleId :  
PB120984BS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 127     | 100  |       | 357054 |       |       |
| 129     | 31.7 | 26.1  | 39.1   |       |       |
| 65      | 27.7 | 21.4  | 32.2   |       |       |
| 92      | 17.7 | 14.1  | 21.1   |       |       |

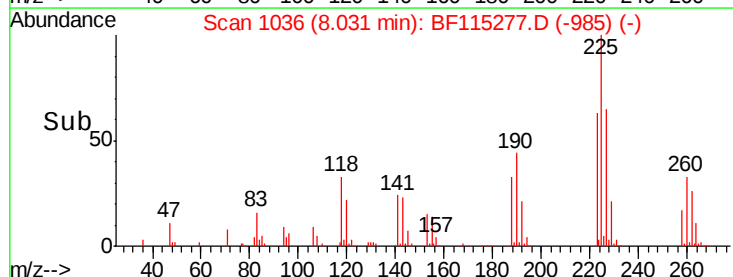
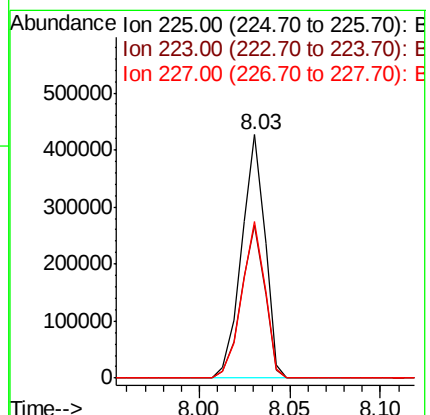
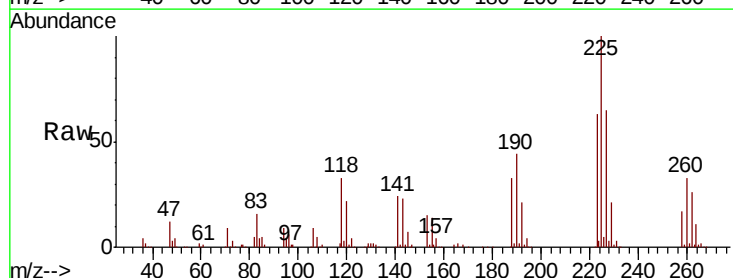
Manual Integrations  
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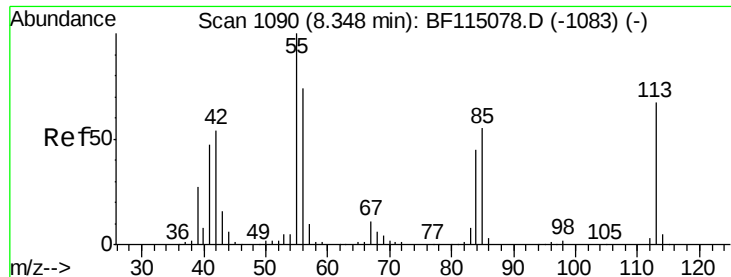
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#34  
Hexachlorobutadiene  
Concen: 45.613 ng  
RT: 8.03 min Scan# 1036  
Delta R.T. 0.00 min  
Lab File: BF115277.D  
Acq: 28 Jun 2019 13:21

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 225     | 100  |       | 382766 |       |       |
| 223     | 62.9 | 49.4  | 74.2   |       |       |
| 227     | 64.5 | 51.8  | 77.8   |       |       |





#35

Caprolactam

Concen: 45.699 ng/mL

RT: 8.32 min Scan# 1086

Delta R.T. 0.00 min

Lab File: BF115277.D

Acq: 28 Jun 2019 13:21

Instrument :

BNA\_F

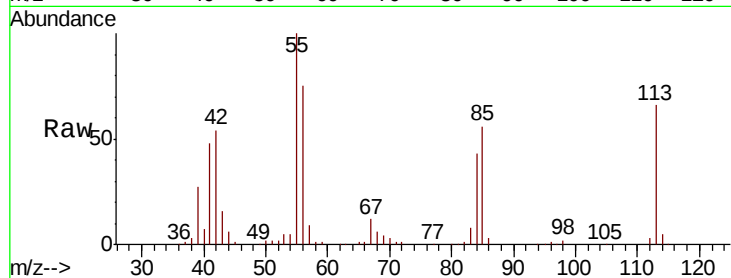
ClientSampleID :

PB120984BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 213001 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 55        | 152.5 | 130.2 | 170.2  |
| 56        | 114.3 | 91.6  | 131.6  |

Manual Integrations  
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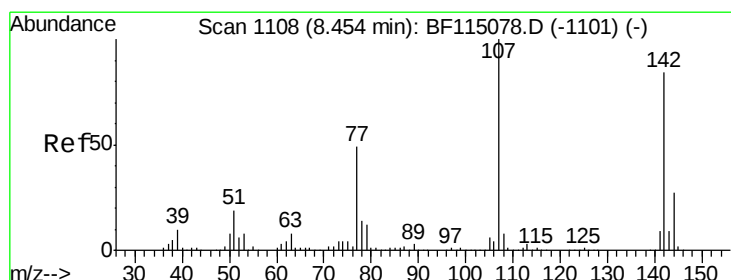
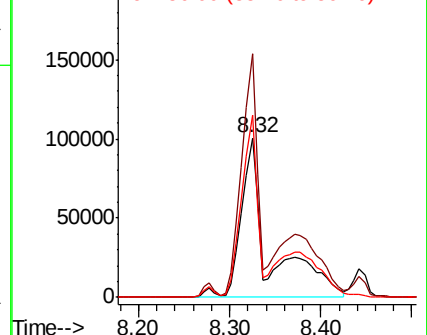
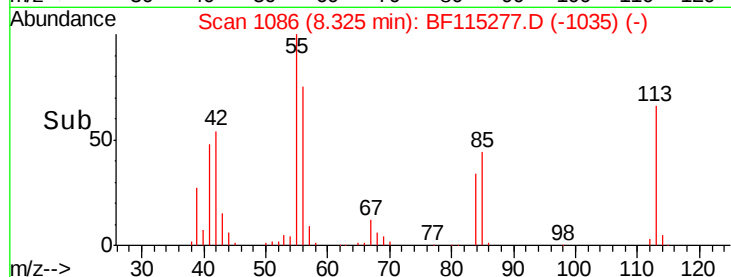


Abundance

Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36

4-Chloro-3-methylphenol

Concen: 46.018 ng/mL

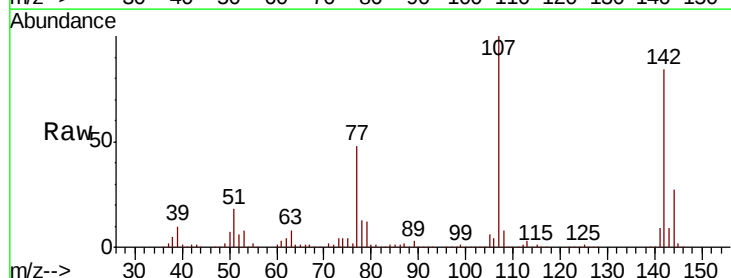
RT: 8.44 min Scan# 1106

Delta R.T. 0.01 min

Lab File: BF115277.D

Acq: 28 Jun 2019 13:21

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 107   | Resp: | 646079 |
| Ion Ratio | Lower | Upper |        |
| 107       | 100   |       |        |
| 144       | 27.5  | 21.7  | 32.5   |
| 142       | 83.8  | 67.0  | 100.4  |

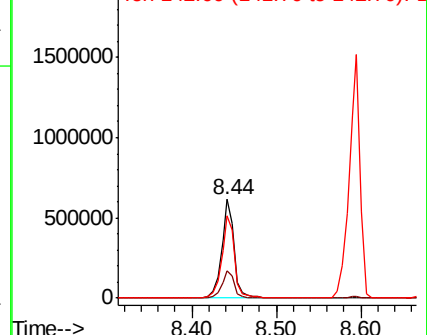
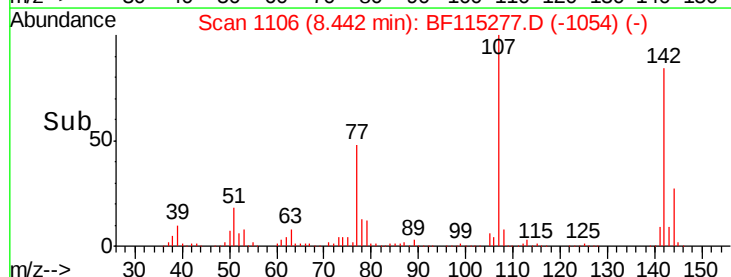


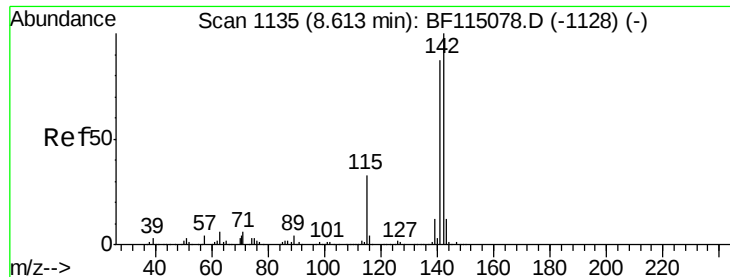
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





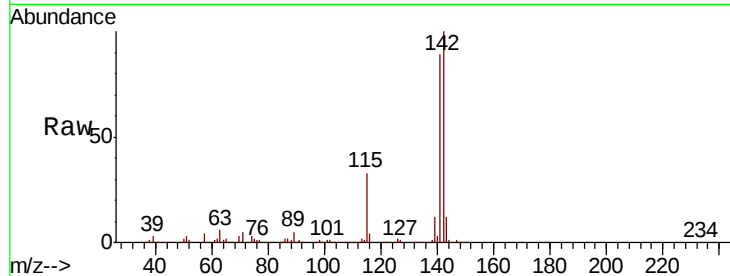
#37  
2-Methylnaphthalene  
Concen: 45.988 ng  
RT: 8.60 min Scan# 1132  
Delta R.T. 0.01 min  
Lab File: BF115277.D  
Acq: 28 Jun 2019 13:21

Instrument :  
BNA\_F  
ClientSampleId :  
PB120984BS

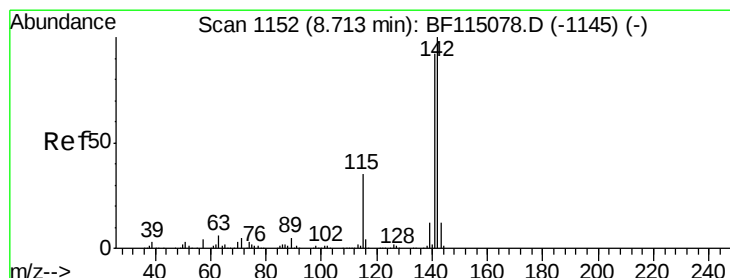
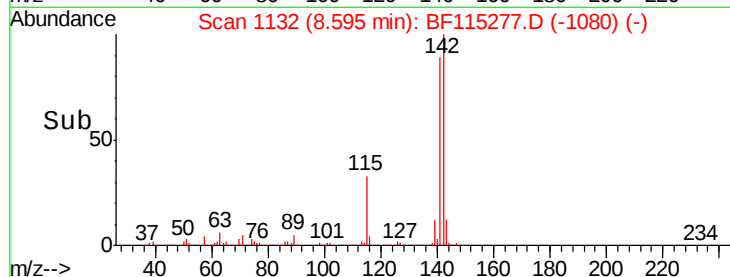
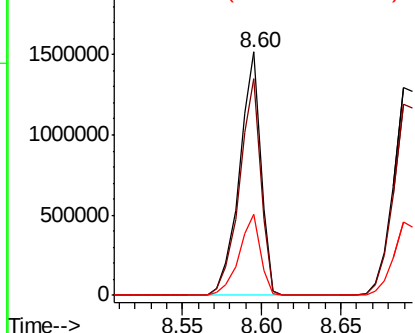
Tot Ion:142 Resp: 1412018  
Ion Ratio Lower Upper  
142 100  
141 89.1 69.8 104.6  
115 33.4 26.7 40.1

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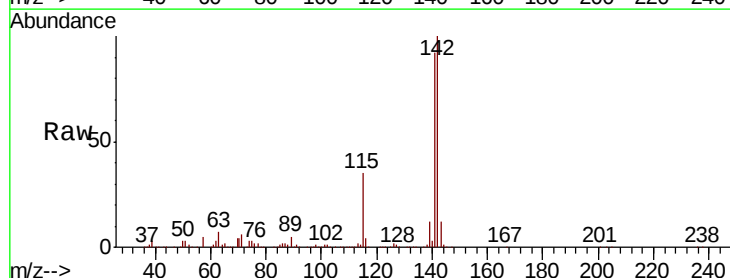


Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E  
Ion 115.00 (114.70 to 115.70): E

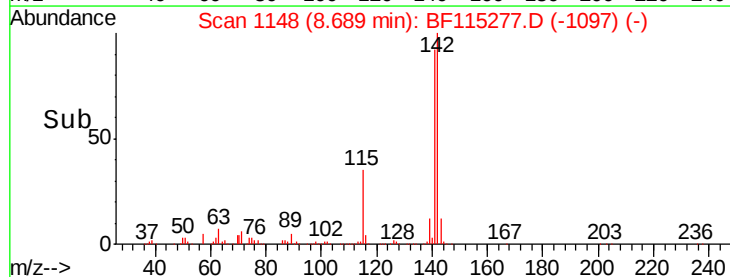
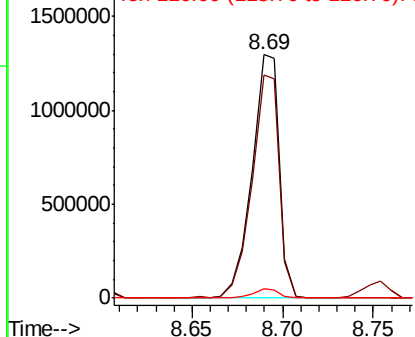


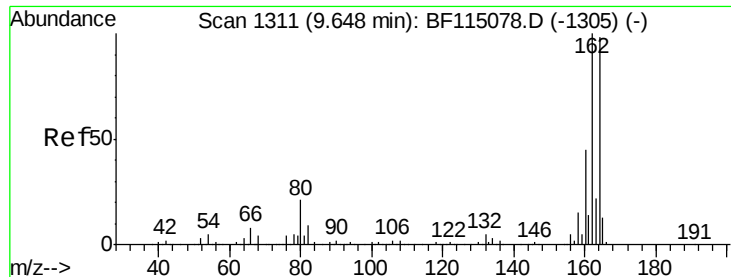
#38  
1-Methylnaphthalene  
Concen: 45.987 ng  
RT: 8.69 min Scan# 1148  
Delta R.T. 0.00 min  
Lab File: BF115277.D  
Acq: 28 Jun 2019 13:21

Tgt Ion:142 Resp: 1348533  
Ion Ratio Lower Upper  
142 100  
141 91.7 73.8 110.8  
116 3.8 2.8 4.2



Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E  
Ion 116.00 (115.70 to 116.70): E





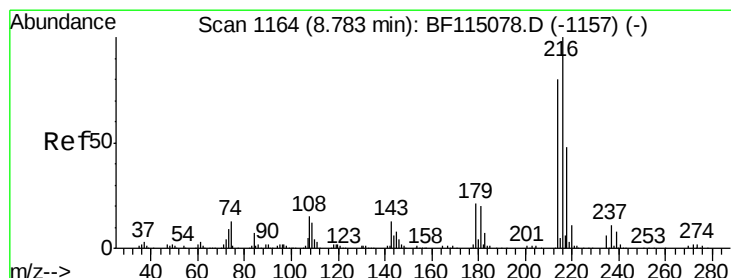
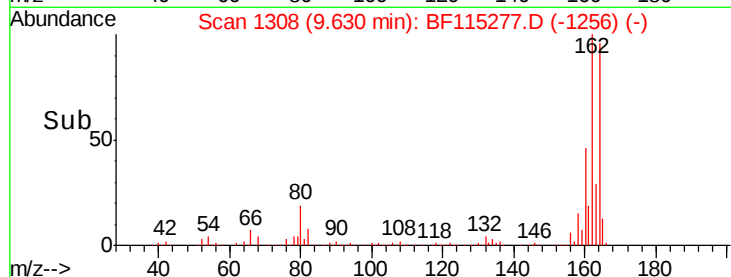
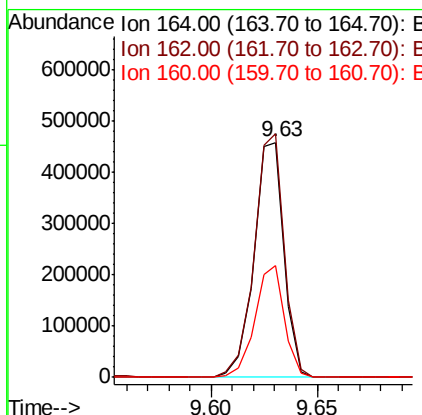
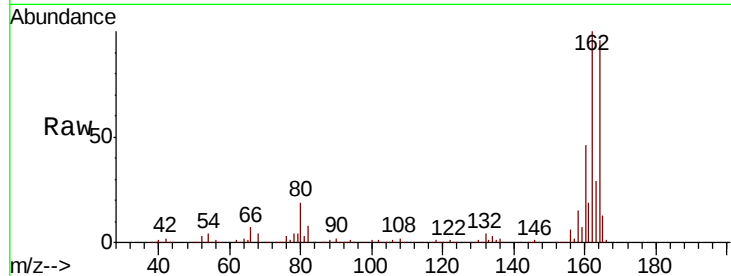
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.63 min Scan# 1308  
Delta R.T. 0.01 min  
Lab File: BF115277.D  
Acq: 28 Jun 2019 13:21

Instrument :  
BNA\_F  
ClientSampleId :  
PB120984BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.8 | 81.7  | 122.5 |
| 160     | 47.8  | 37.0  | 55.4  |

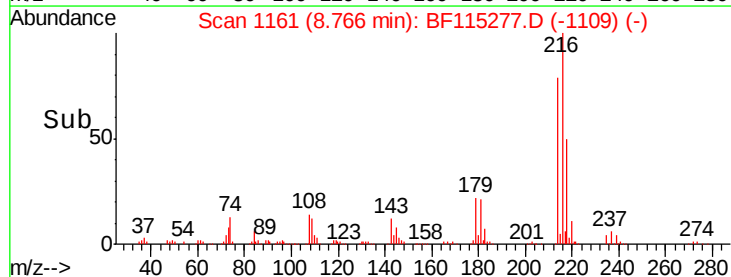
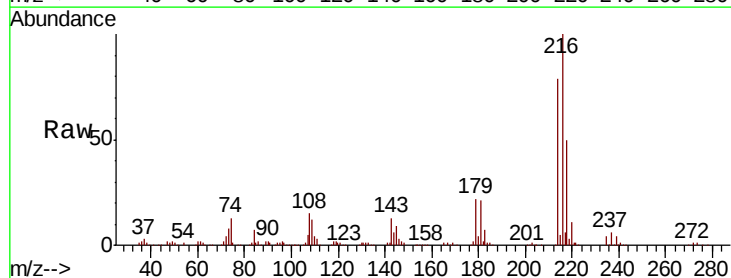
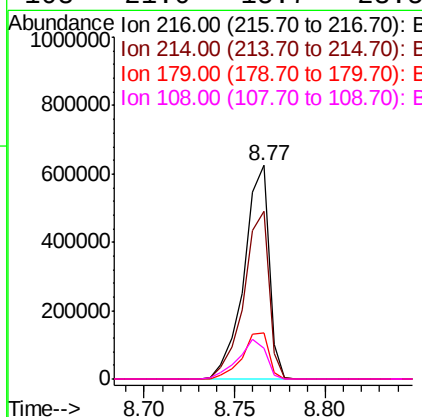
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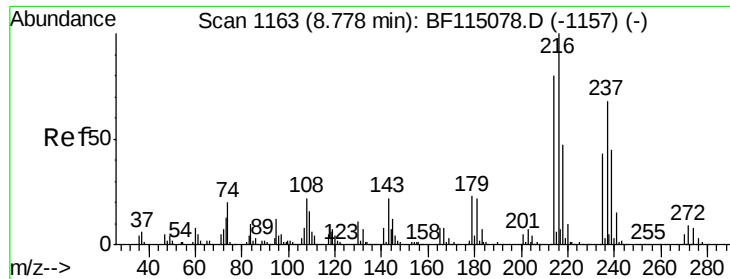
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#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 46.964 ng  
RT: 8.77 min Scan# 1161  
Delta R.T. 0.01 min  
Lab File: BF115277.D  
Acq: 28 Jun 2019 13:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 216     | 100   |       |       |
| 214     | 79.0  | 63.8  | 95.6  |
| 179     | 22.5  | 17.6  | 26.4  |
| 108     | 21.0  | 15.7  | 23.5  |





#41

Hexachlorocyclopentadiene

Concen: 95.184 ng

RT: 8.75 min Scan# 1159

Delta R.T. 0.00 min

Lab File: BF115277.D

Acq: 28 Jun 2019 13:21

Instrument :

BNA\_F

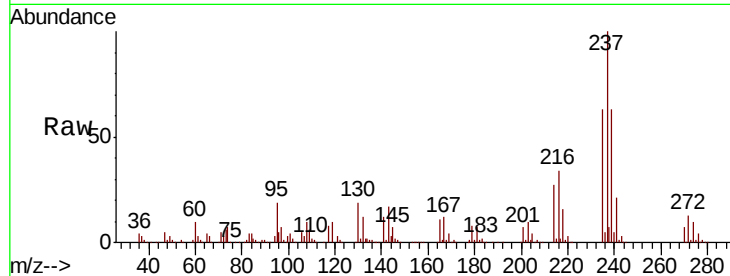
ClientSampleId :

PB120984BS

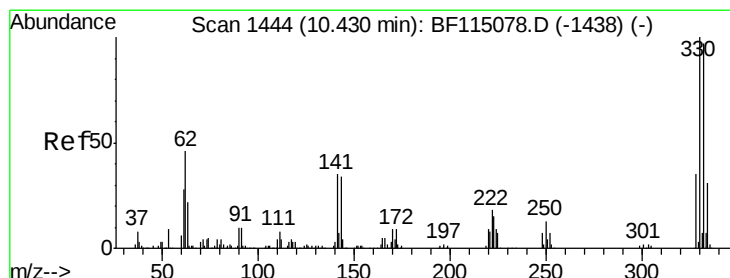
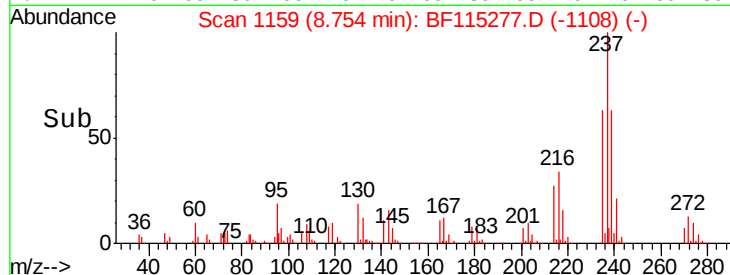
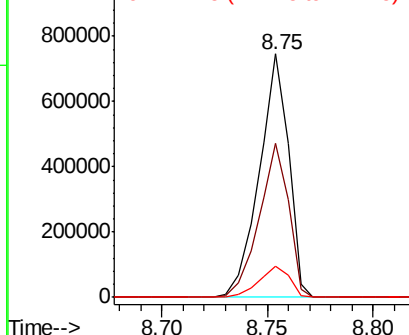
|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 237  | Resp: | 719256 |
| Ion Ratio |      | Lower | Upper  |
| 237       | 100  |       |        |
| 235       | 63.3 | 43.9  | 83.9   |
| 272       | 12.8 | 0.0   | 33.8   |

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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: 136.458 ng

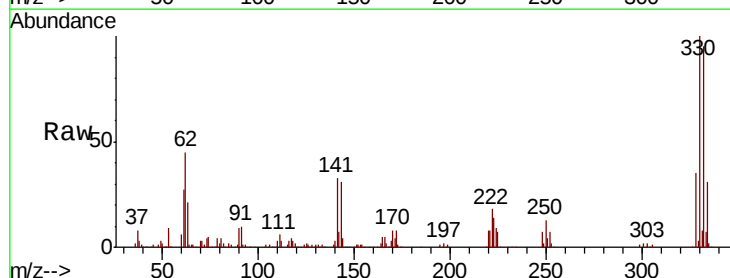
RT: 10.41 min Scan# 1441

Delta R.T. 0.01 min

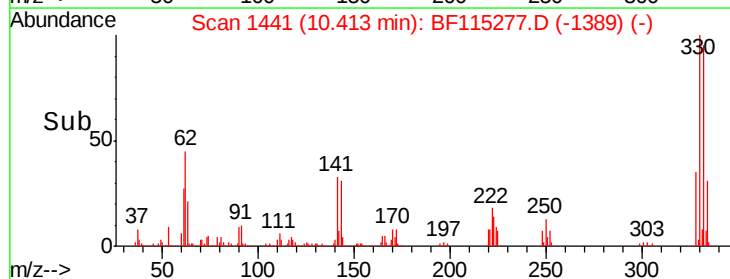
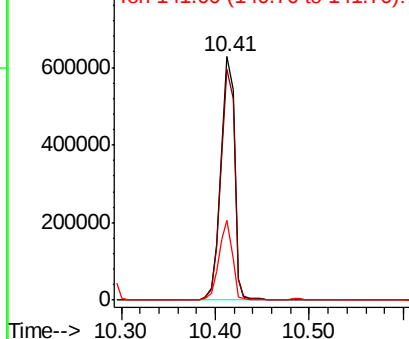
Lab File: BF115277.D

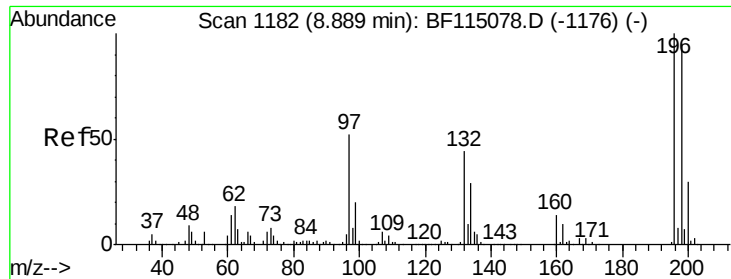
Acq: 28 Jun 2019 13:21

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 330  | Resp: | 648944 |
| Ion Ratio |      | Lower | Upper  |
| 330       | 100  |       |        |
| 332       | 95.5 | 77.3  | 115.9  |
| 141       | 31.7 | 28.2  | 42.2   |



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





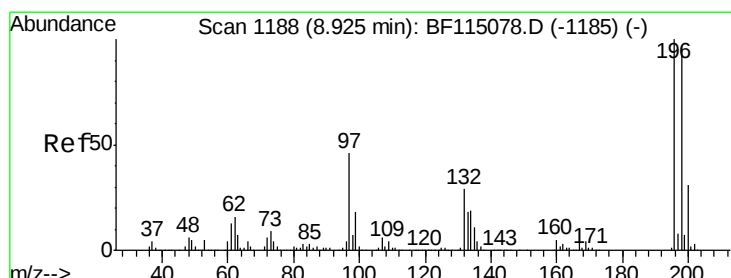
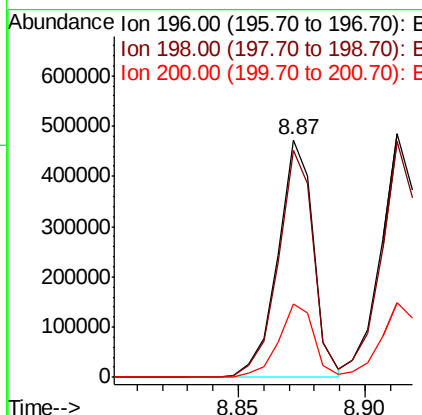
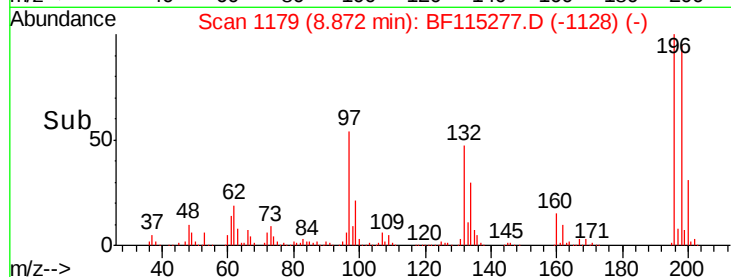
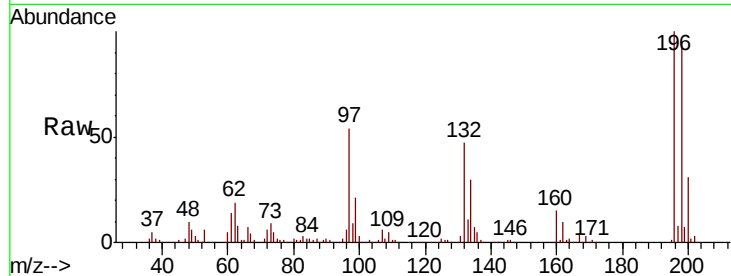
#43  
 2,4,6-Trichlorophenol  
 Concen: 47.001 ng  
 RT: 8.87 min Scan# 1179  
 Delta R.T. 0.00 min  
 Lab File: BF115277.D  
 Acq: 28 Jun 2019 13:21

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB120984BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 462418 |       |       |
| 198     | 95.5  | 76.3   | 114.5 |       |
| 200     | 31.2  | 24.2   | 36.4  |       |

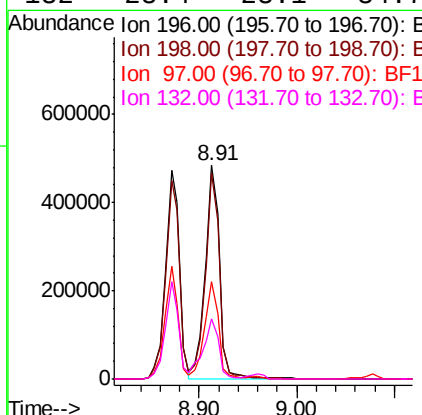
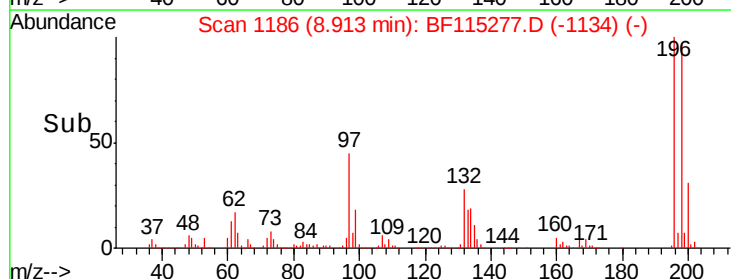
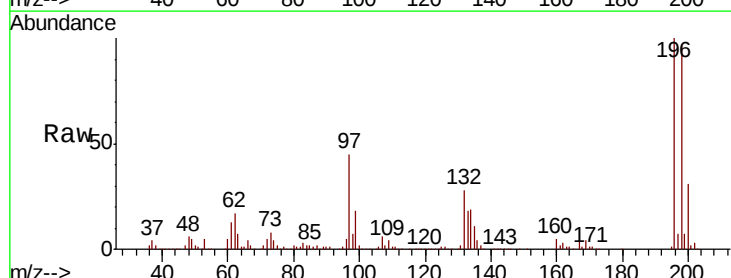
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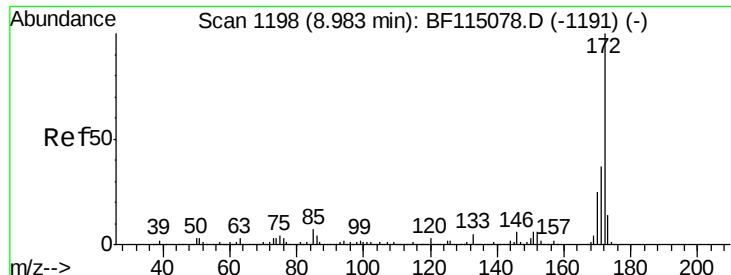
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#44  
 2,4,5-Trichlorophenol  
 Concen: 48.569 ng  
 RT: 8.91 min Scan# 1186  
 Delta R.T. 0.01 min  
 Lab File: BF115277.D  
 Acq: 28 Jun 2019 13:21

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 492092 |       |       |
| 198     | 96.7  | 77.1   | 115.7 |       |
| 97      | 45.3  | 37.7   | 56.5  |       |
| 132     | 28.4  | 23.1   | 34.7  |       |





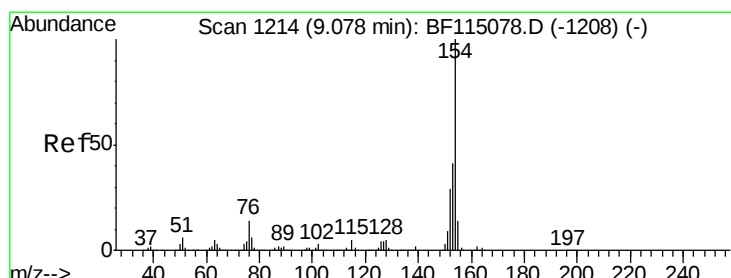
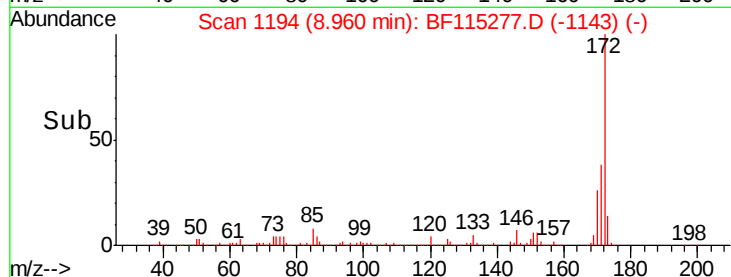
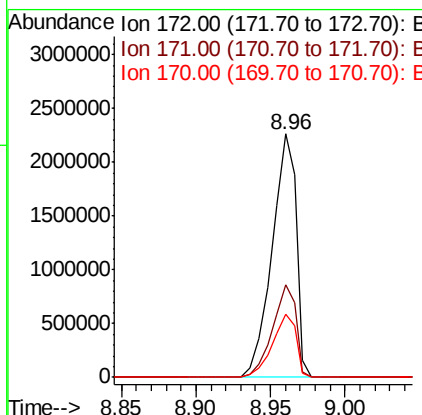
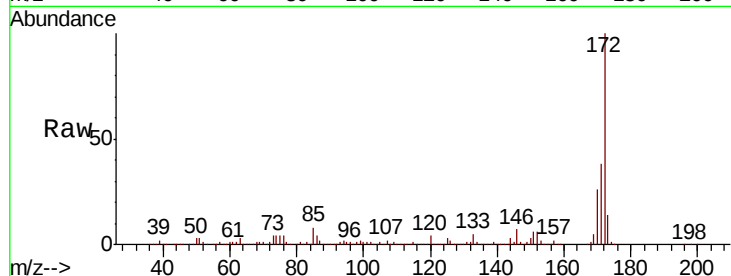
#45  
2-Fluorobiphenyl  
Concen: 95.965 ng  
RT: 8.96 min Scan# 1194  
Delta R.T. 0.00 min  
Lab File: BF115277.D  
Acq: 28 Jun 2019 13:21

Instrument :  
BNA\_F  
ClientSampleId :  
PB120984BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.0  | 29.8  | 44.6  |
| 170     | 25.9  | 20.3  | 30.5  |

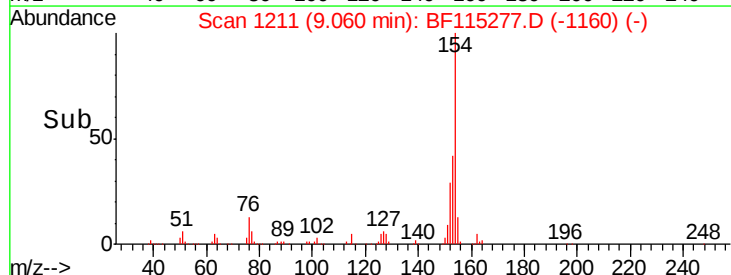
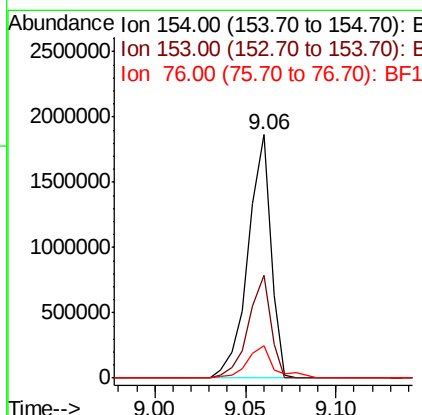
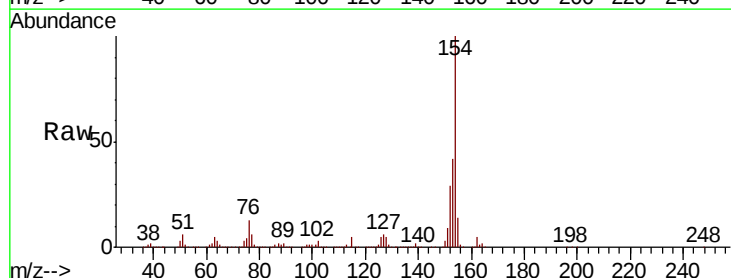
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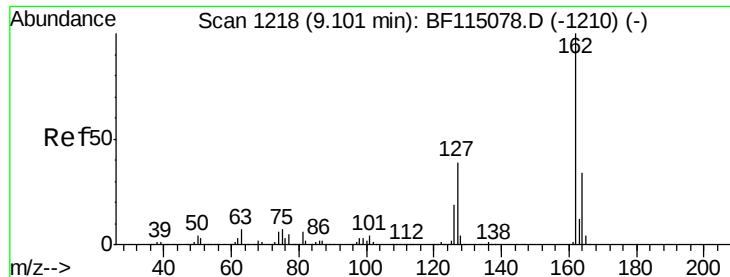
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#46  
1,1'-Biphenyl  
Concen: 45.224 ng  
RT: 9.06 min Scan# 1211  
Delta R.T. 0.00 min  
Lab File: BF115277.D  
Acq: 28 Jun 2019 13:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 42.1  | 20.9  | 60.9  |
| 76      | 13.3  | 0.0   | 34.1  |





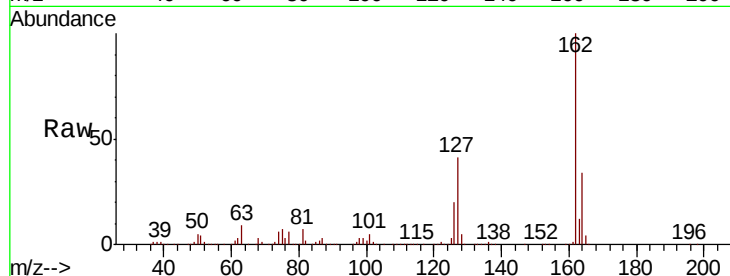
#47  
2-Chloronaphthalene  
Concen: 45.696 ng  
RT: 9.08 min Scan# 1214  
Delta R.T. 0.00 min  
Lab File: BF115277.D  
Acq: 28 Jun 2019 13:21

Instrument :  
BNA\_F  
ClientSampleId :  
PB120984BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 41.0  | 30.8  | 46.2  |
| 164     | 33.6  | 27.0  | 40.4  |

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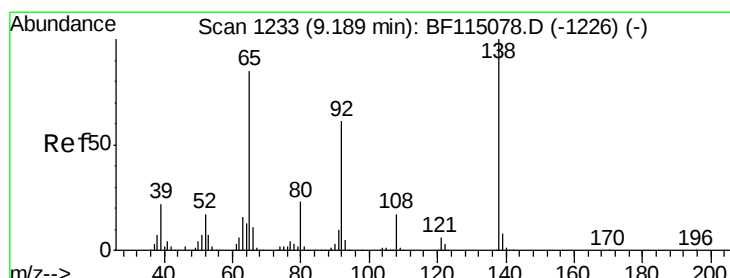
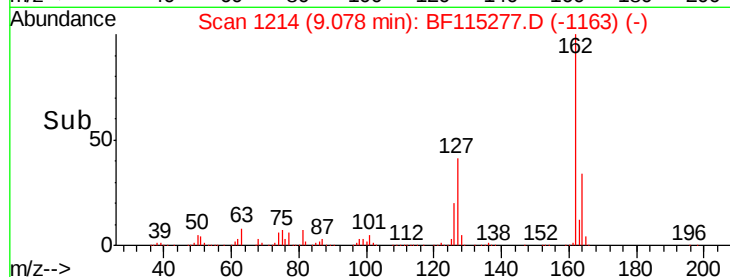
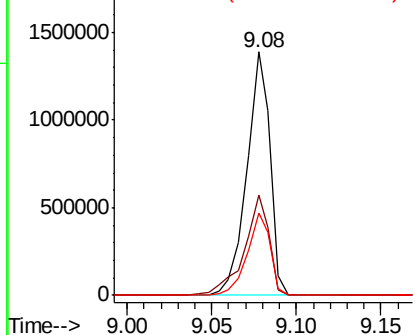


Abundance

Ion 162.00 (161.70 to 162.70): E

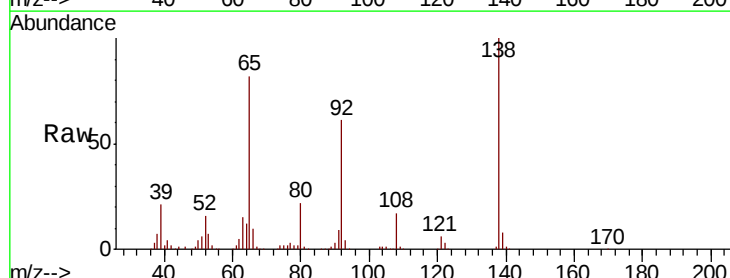
Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48  
2-Nitroaniline  
Concen: 45.305 ng  
RT: 9.17 min Scan# 1230  
Delta R.T. 0.00 min  
Lab File: BF115277.D  
Acq: 28 Jun 2019 13:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 73.6  | 57.4  | 86.2  |
| 138     | 121.4 | 94.1  | 141.1 |

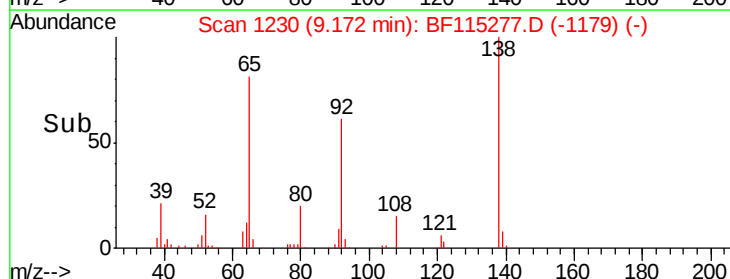
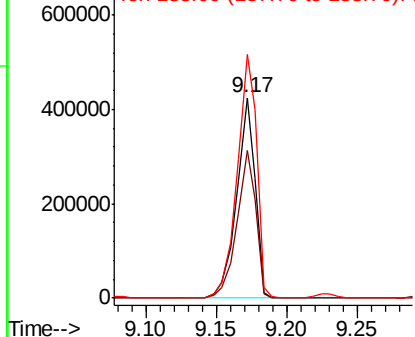


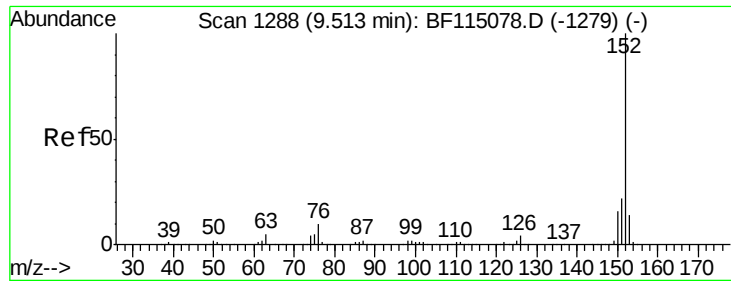
Abundance

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: 45.407 ng

RT: 9.49 min Scan# 1284

Delta R.T. 0.00 min

Lab File: BF115277.D

Acq: 28 Jun 2019 13:21

Instrument :

BNA\_F

ClientSampleId :

PB120984BS

Tot Ion:152 Resp: 2070702

Ion Ratio Lower Upper

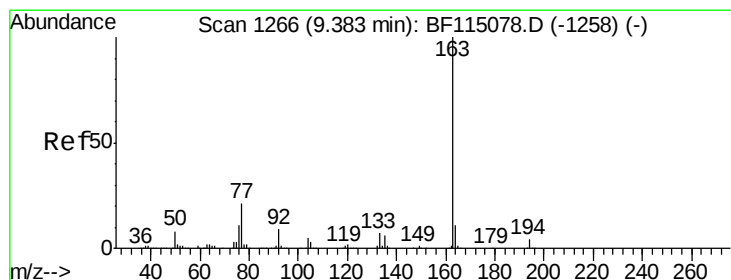
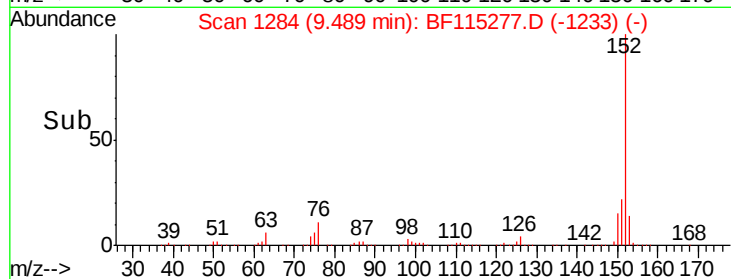
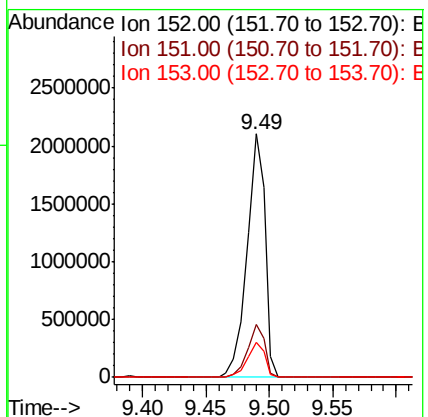
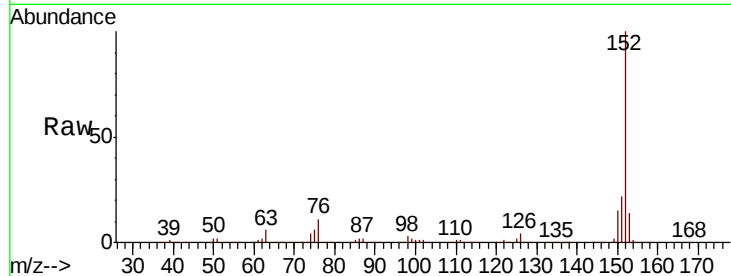
152 100

151 21.6 17.2 25.8

153 14.2 11.0 16.6

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#50

Dimethylphthalate

Concen: 45.921 ng

RT: 9.37 min Scan# 1263

Delta R.T. 0.01 min

Lab File: BF115277.D

Acq: 28 Jun 2019 13:21

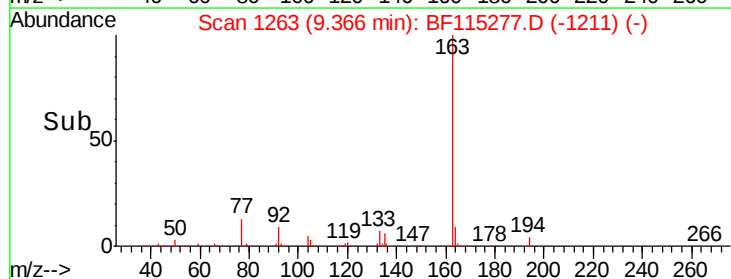
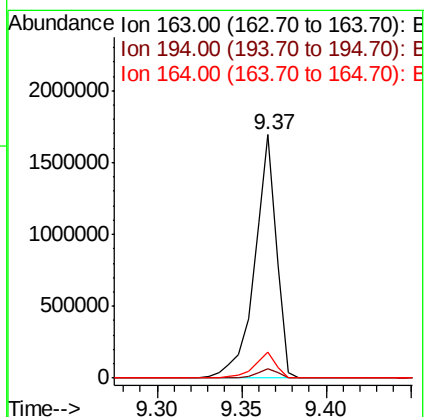
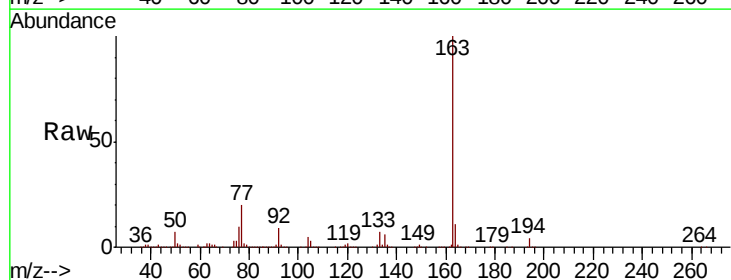
Tgt Ion:163 Resp: 1523593

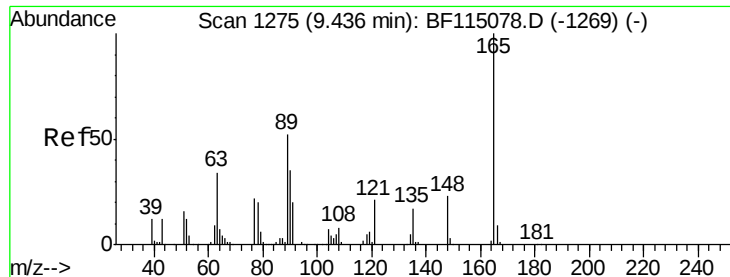
Ion Ratio Lower Upper

163 100

194 4.1 3.2 4.8

164 10.6 8.6 13.0





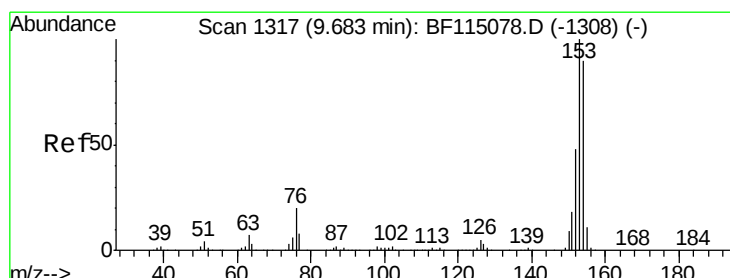
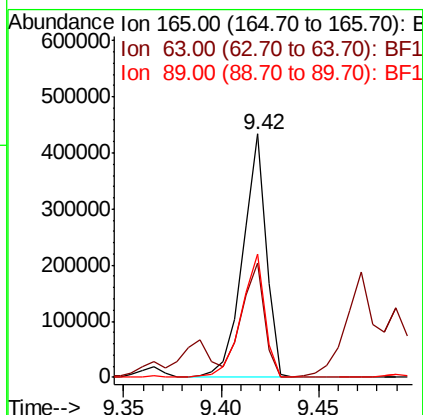
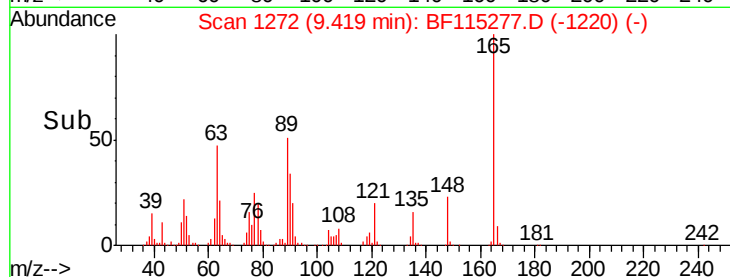
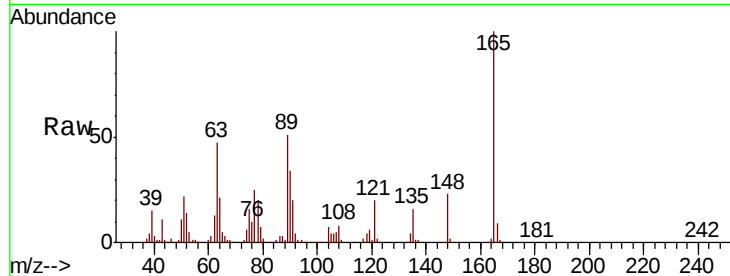
#51  
2,6-Dinitrotoluene  
Concen: 47.152 ng  
RT: 9.42 min Scan# 1272  
Delta R.T. 0.01 min  
Lab File: BF115277.D  
Acq: 28 Jun 2019 13:21

Instrument :  
BNA\_F  
ClientSampleId :  
PB120984BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 165   | Resp: | 361180 |
| Ion Ratio | Lower | Upper |        |
| 165       | 100   |       |        |
| 63        | 47.0  | 39.4  | 59.2   |
| 89        | 50.9  | 42.0  | 63.0   |

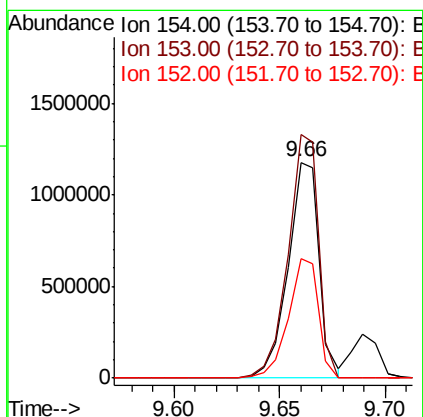
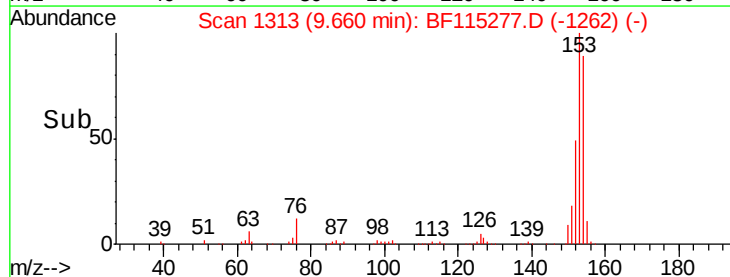
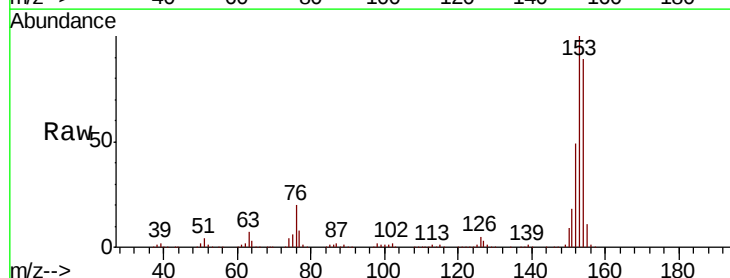
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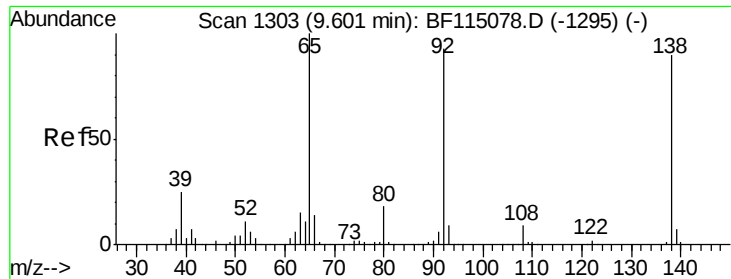
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#52  
Acenaphthene  
Concen: 42.586 ng  
RT: 9.66 min Scan# 1313  
Delta R.T. 0.00 min  
Lab File: BF115277.D  
Acq: 28 Jun 2019 13:21

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 154   | Resp: | 1215253 |
| Ion Ratio | Lower | Upper |         |
| 154       | 100   |       |         |
| 153       | 112.8 | 88.7  | 133.1   |
| 152       | 55.1  | 42.6  | 64.0    |





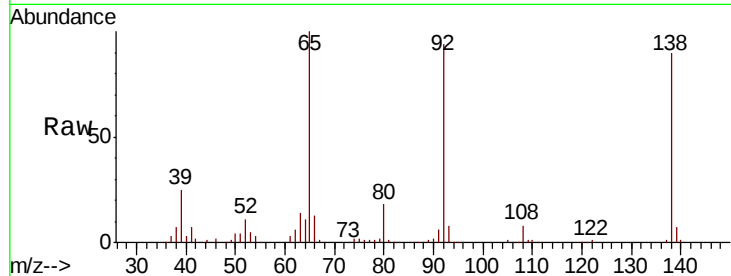
#53  
3-Nitroaniline  
Concen: 25.477 ng  
RT: 9.58 min Scan# 1299  
Delta R.T. 0.00 min  
Lab File: BF115277.D  
Acq: 28 Jun 2019 13:21

Instrument :  
BNA\_F  
ClientSampleId :  
PB120984BS

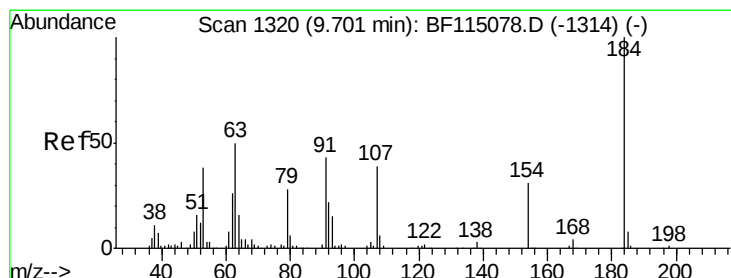
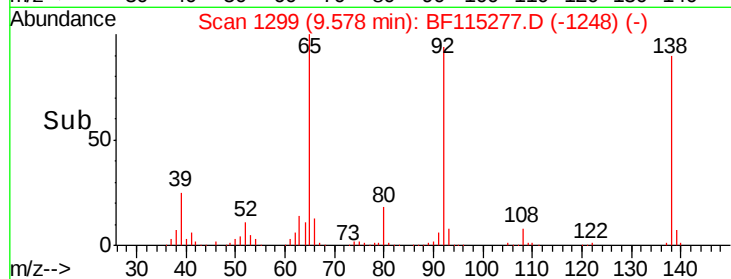
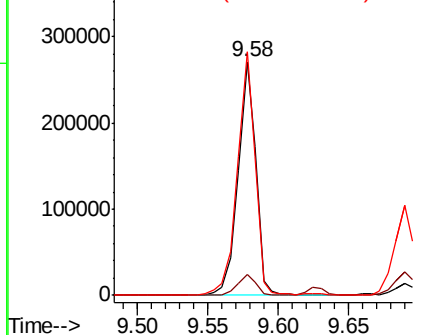
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 108     | 9.1   | 7.8   | 11.6  |
| 92      | 104.2 | 82.9  | 124.3 |

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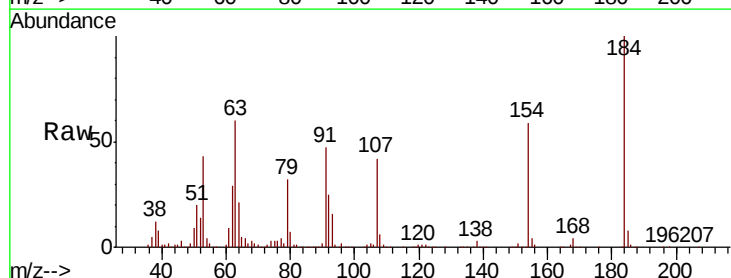


Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 92.00 (91.70 to 92.70): BF1

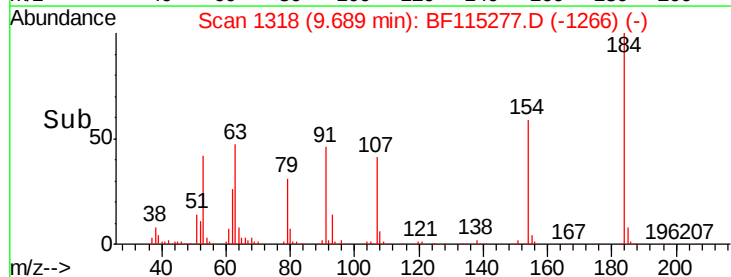
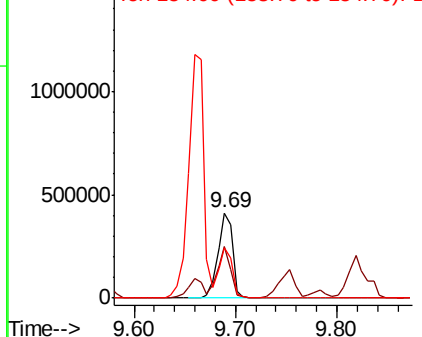


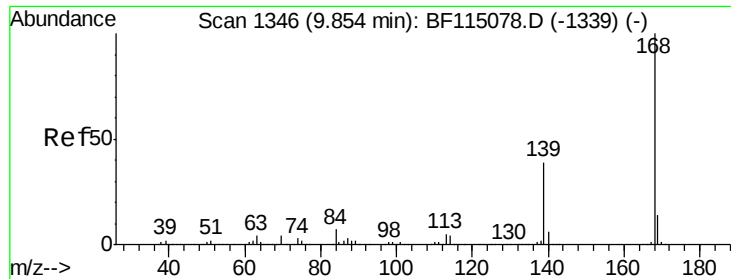
#54  
2,4-Dinitrophenol  
Concen: 103.109 ng  
RT: 9.69 min Scan# 1318  
Delta R.T. 0.01 min  
Lab File: BF115277.D  
Acq: 28 Jun 2019 13:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 63      | 60.1  | 41.9  | 62.9  |
| 154     | 58.7  | 44.7  | 67.1  |



Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 154.00 (153.70 to 154.70): E





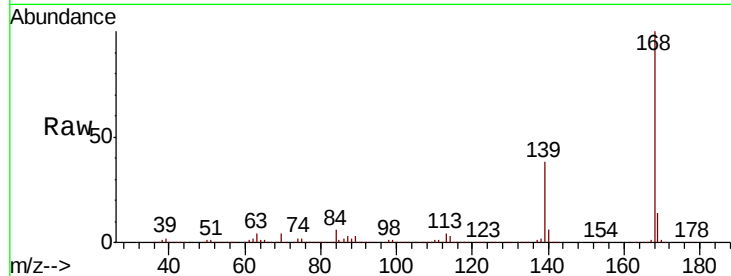
#55  
Dibenzofuran  
Concen: 43.782 ng  
RT: 9.84 min Scan# 1343  
Delta R.T. 0.01 min  
Lab File: BF115277.D  
Acq: 28 Jun 2019 13:21

Instrument :  
BNA\_F  
ClientSampleId :  
PB120984BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 38.4  | 31.1  | 46.7  |
| 169     | 14.0  | 11.3  | 16.9  |

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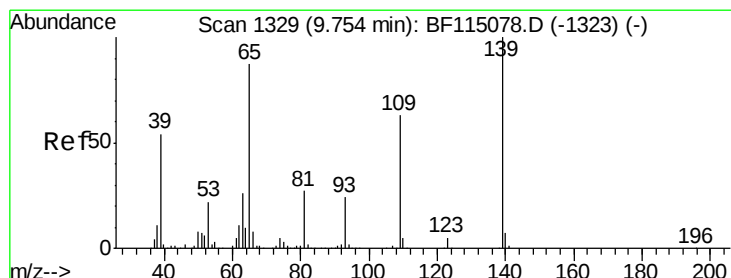
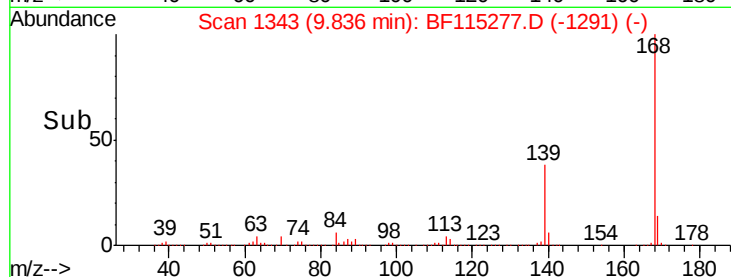
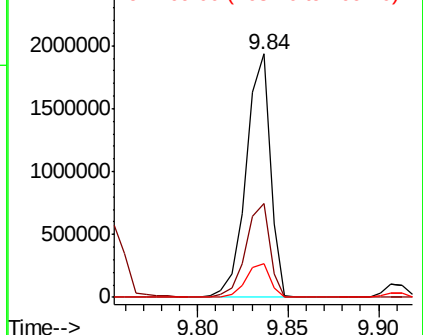


Abundance

Ion 168.00 (167.70 to 168.70): E

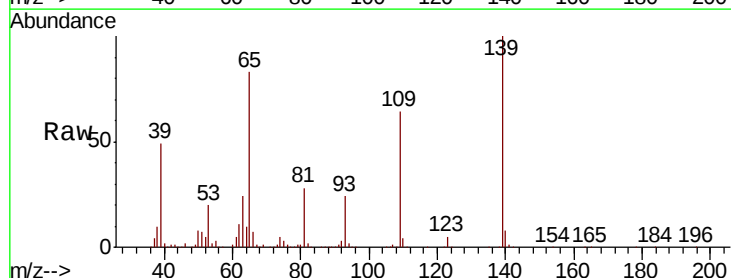
Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56  
4-Nitrophenol  
Concen: 89.063 ng  
RT: 9.75 min Scan# 1329  
Delta R.T. 0.02 min  
Lab File: BF115277.D  
Acq: 28 Jun 2019 13:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 63.5  | 43.0  | 83.0  |
| 65      | 82.6  | 67.0  | 107.0 |

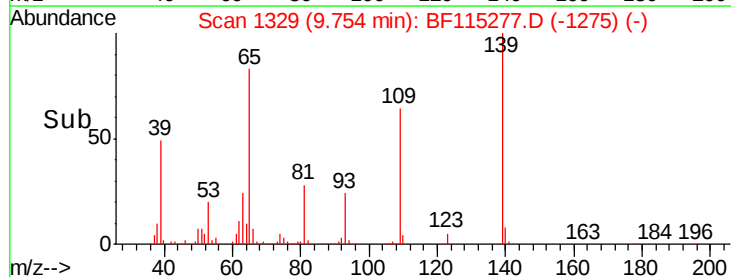
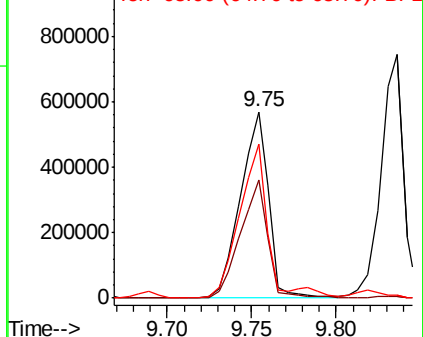


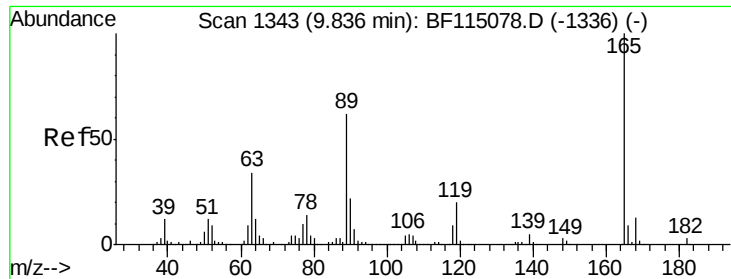
Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





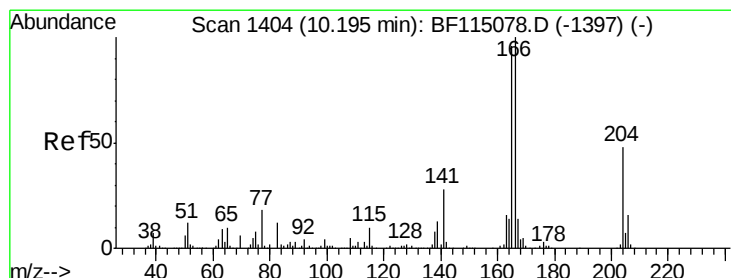
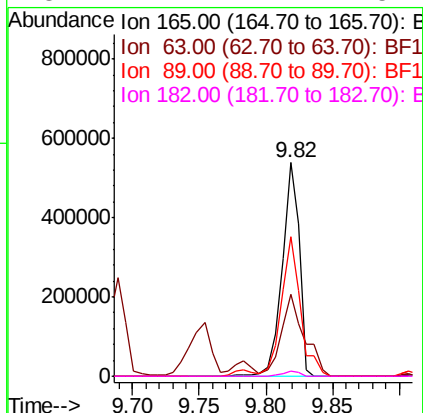
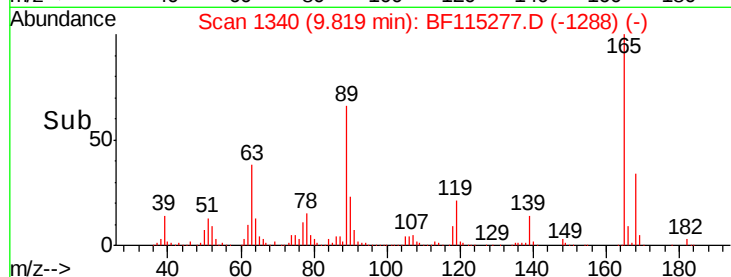
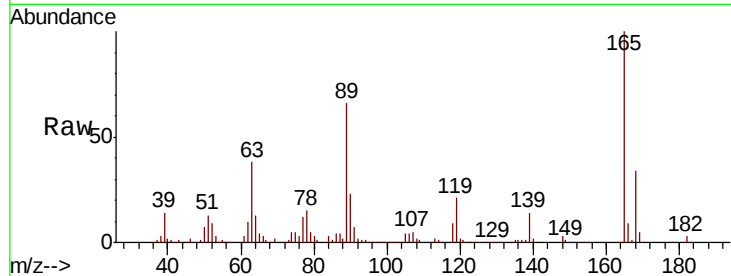
#57  
2,4-Dinitrotoluene  
Concen: 49.536 ng  
RT: 9.82 min Scan# 1340  
Delta R.T. 0.01 min  
Lab File: BF115277.D  
Acq: 28 Jun 2019 13:21

Instrument :  
BNA\_F  
ClientSampleId :  
PB120984BS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 165     | 100  |       | 489944 |       |       |
| 63      | 38.3 | 27.5  | 41.3   |       |       |
| 89      | 65.6 | 49.9  | 74.9   |       |       |
| 182     | 2.7  | 2.1   | 3.1    |       |       |

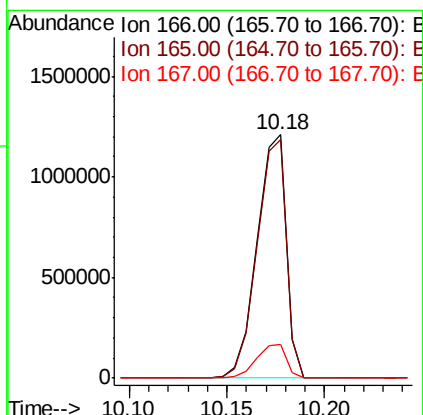
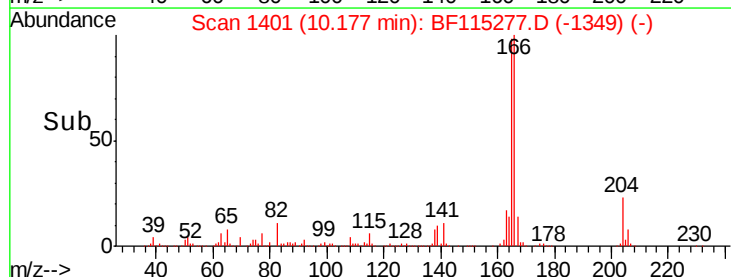
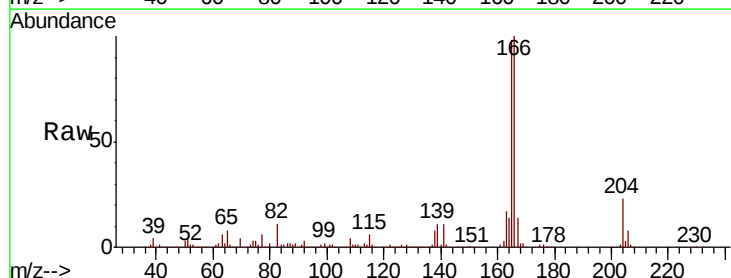
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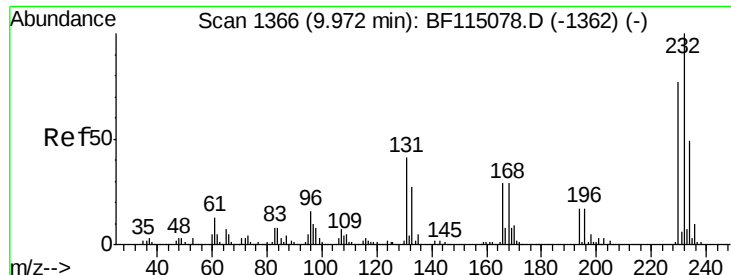
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#58  
Fluorene  
Concen: 46.065 ng  
RT: 10.18 min Scan# 1401  
Delta R.T. 0.01 min  
Lab File: BF115277.D  
Acq: 28 Jun 2019 13:21

| Tgt Ion | Ion  | Ratio | Resp    | Lower | Upper |
|---------|------|-------|---------|-------|-------|
| 166     | 100  |       | 1251891 |       |       |
| 165     | 98.1 | 76.5  | 114.7   |       |       |
| 167     | 13.7 | 11.0  | 16.4    |       |       |





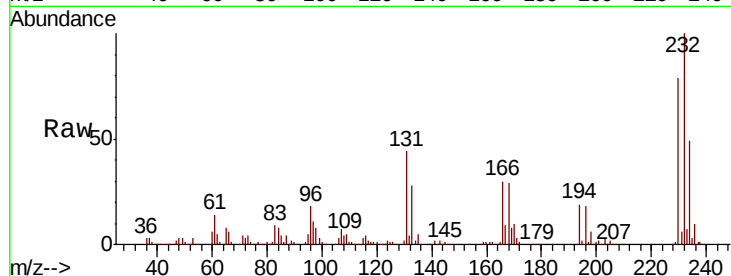
#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 49.730 ng  
 RT: 9.95 min Scan# 1363  
 Delta R.T. 0.01 min  
 Lab File: BF115277.D  
 Acq: 28 Jun 2019 13:21

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB120984BS

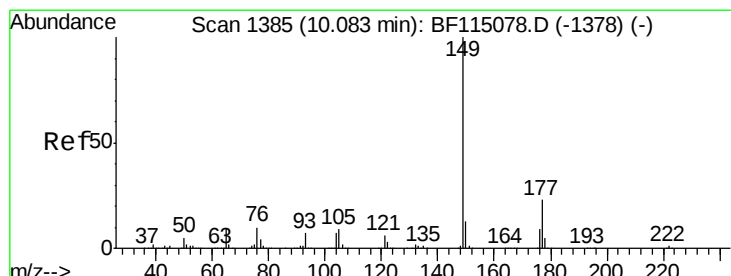
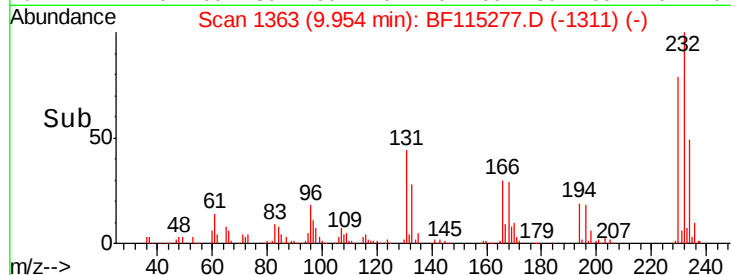
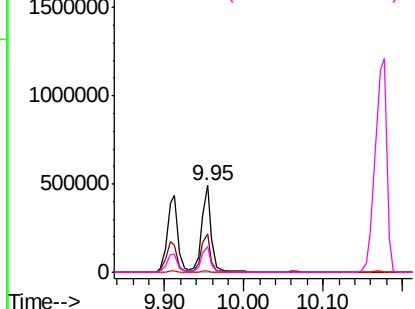
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 44.8  | 37.4  | 56.0  |
| 130     | 2.1   | 1.8   | 2.6   |
| 166     | 29.8  | 24.6  | 36.8  |

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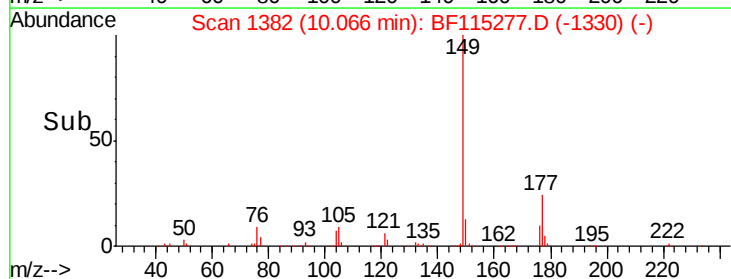
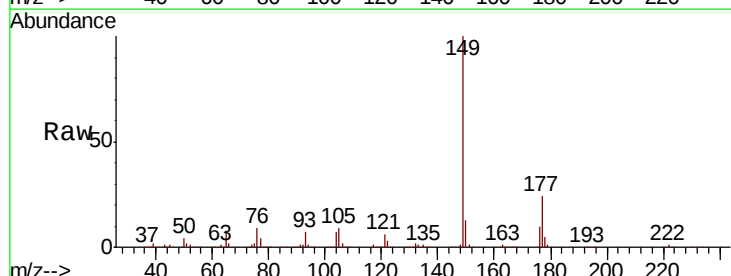
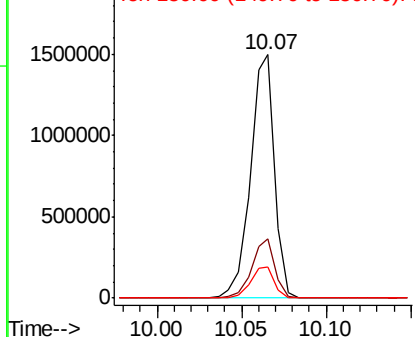
Abundance Ion 232.00 (231.70 to 232.70): E  
 Ion 131.00 (130.70 to 131.70): E  
 Ion 130.00 (129.70 to 130.70): E  
 Ion 166.00 (165.70 to 166.70): E

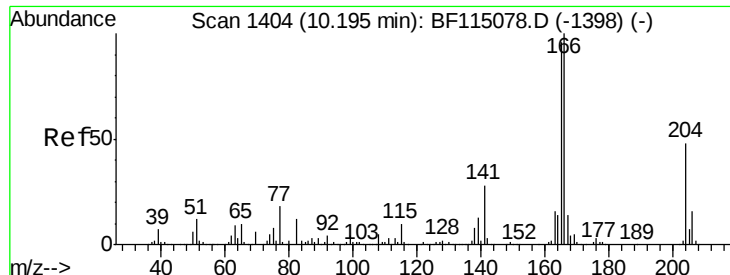


#60  
 Diethylphthalate  
 Concen: 44.438 ng  
 RT: 10.07 min Scan# 1382  
 Delta R.T. 0.01 min  
 Lab File: BF115277.D  
 Acq: 28 Jun 2019 13:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 24.4  | 18.7  | 28.1  |
| 150     | 13.0  | 10.4  | 15.6  |

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





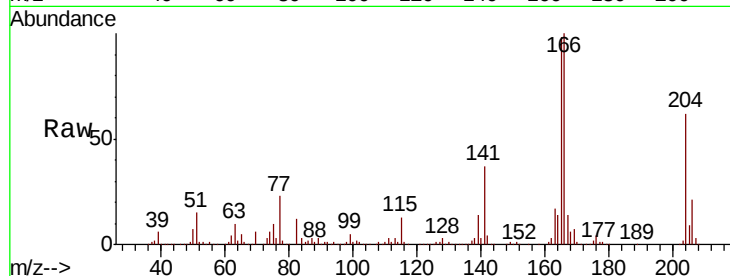
#61  
4-Chlorophenyl-phenylether  
Concen: 47.318 ng  
RT: 10.17 min Scan# 1400  
Delta R.T. 0.00 min  
Lab File: BF115277.D  
Acq: 28 Jun 2019 13:21

Instrument :  
BNA\_F  
ClientSampleId :  
PB120984BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 204     | 100   | 608636 |       |       |
| 206     | 33.4  | 26.6   | 40.0  |       |
| 141     | 59.6  | 46.7   | 70.1  |       |

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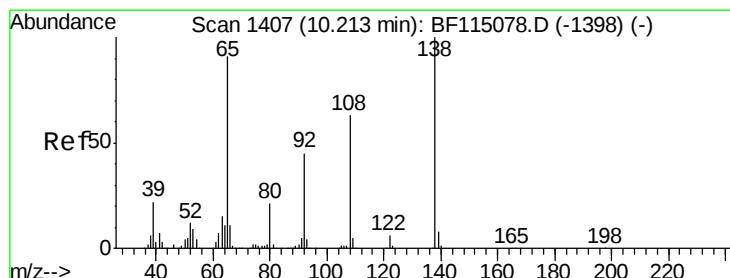
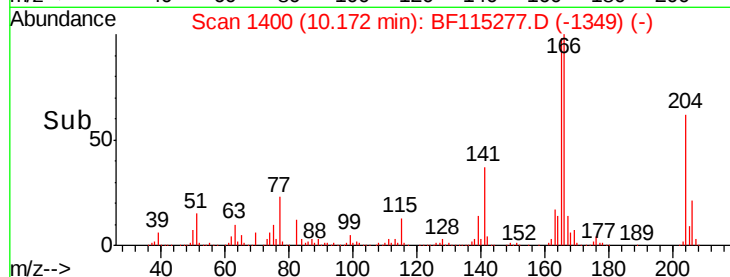
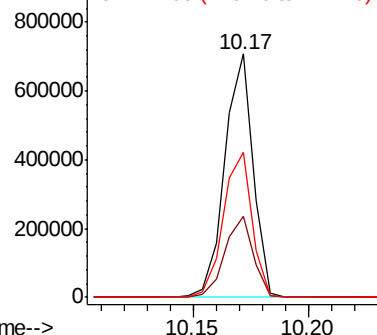


Abundance

Ion 204.00 (203.70 to 204.70): E

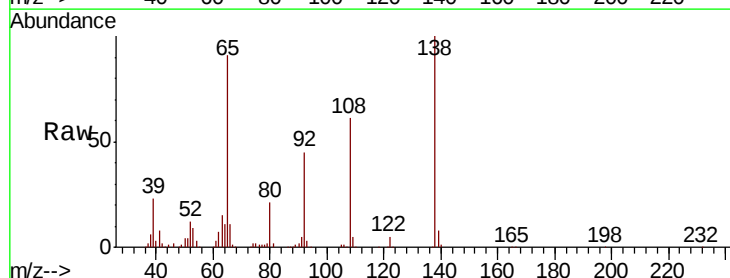
Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62  
4-Nitroaniline  
Concen: 43.070 ng  
RT: 10.20 min Scan# 1404  
Delta R.T. 0.01 min  
Lab File: BF115277.D  
Acq: 28 Jun 2019 13:21

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 138     | 100   | 403891 |       |       |
| 92      | 44.5  | 24.8   | 64.8  |       |
| 108     | 61.3  | 43.3   | 83.3  |       |

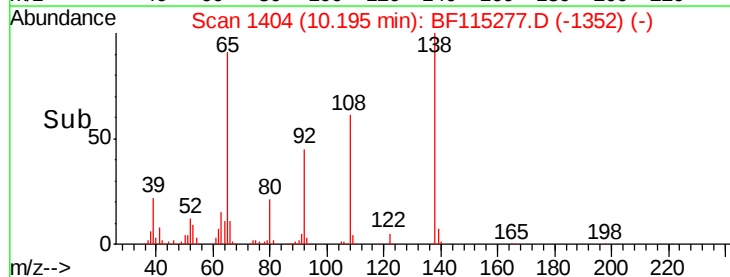
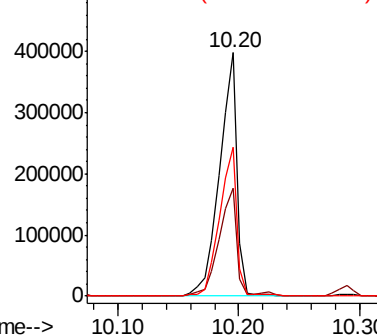


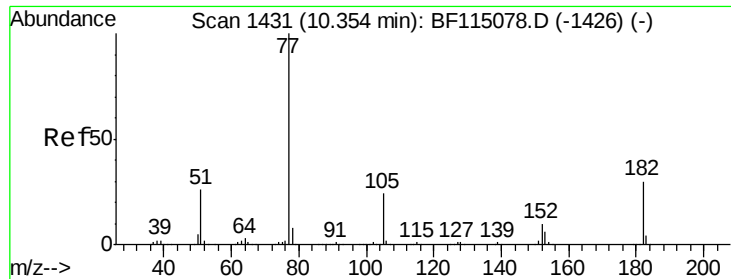
Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E





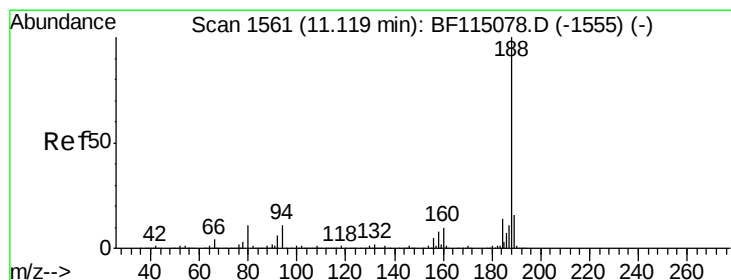
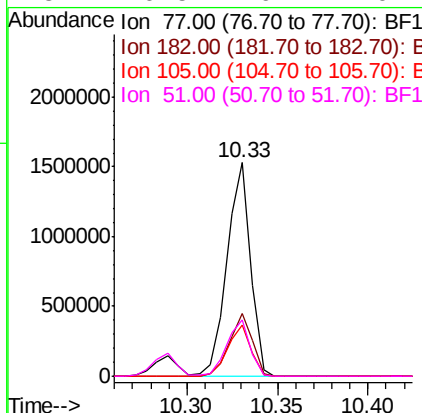
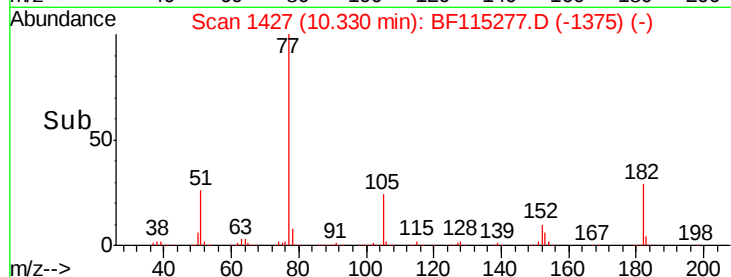
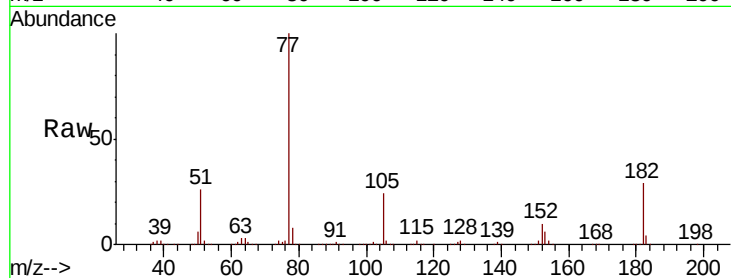
#63  
Azobenzene  
Concen: 44.335 ng  
RT: 10.33 min Scan# 1427  
Delta R.T. 0.01 min  
Lab File: BF115277.D  
Acq: 28 Jun 2019 13:21

Instrument :  
BNA\_F  
ClientSampleId :  
PB120984BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 29.1  | 10.1  | 50.1  |
| 105     | 24.1  | 4.5   | 44.5  |
| 51      | 26.5  | 6.4   | 46.4  |

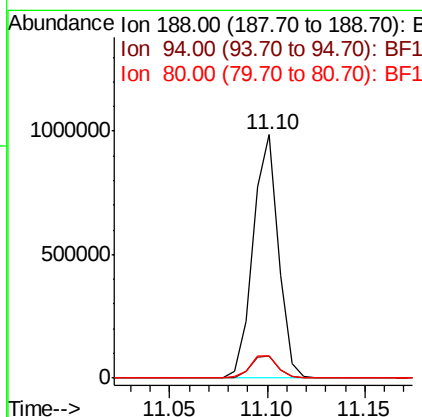
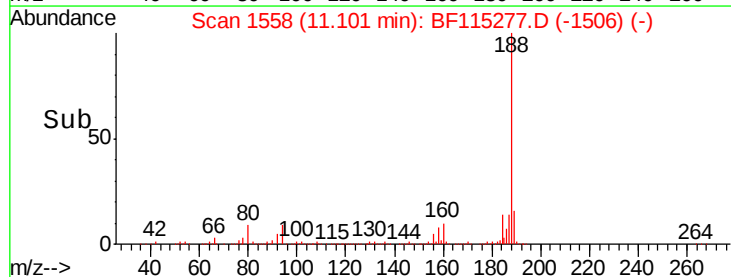
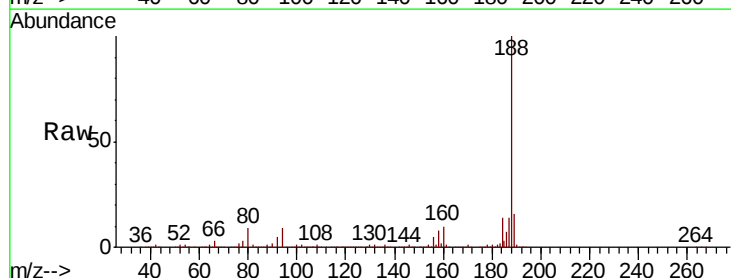
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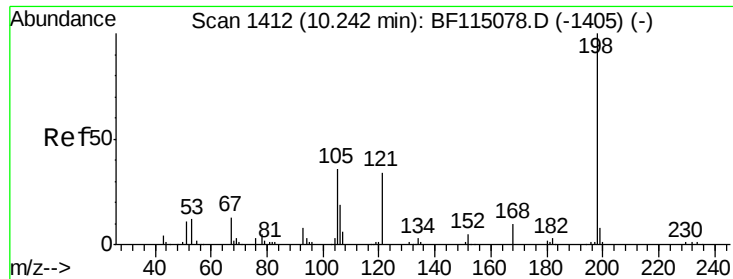
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#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.10 min Scan# 1558  
Delta R.T. 0.01 min  
Lab File: BF115277.D  
Acq: 28 Jun 2019 13:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.1   | 8.6   | 12.8  |
| 80      | 9.2   | 8.8   | 13.2  |





#65

4,6-Dinitro-2-methylphenol

Concen: 51.794 ng

RT: 10.22 min Scan# 1409

Delta R.T. 0.01 min

Lab File: BF115277.D

Acq: 28 Jun 2019 13:21

Instrument :

BNA\_F

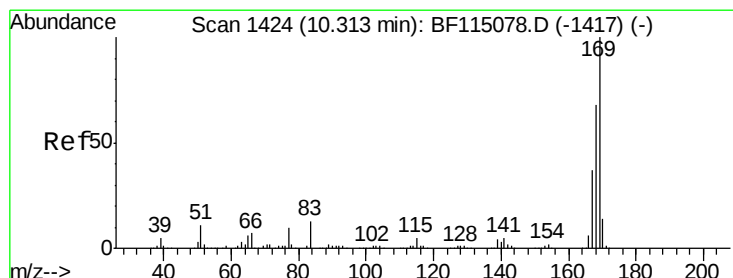
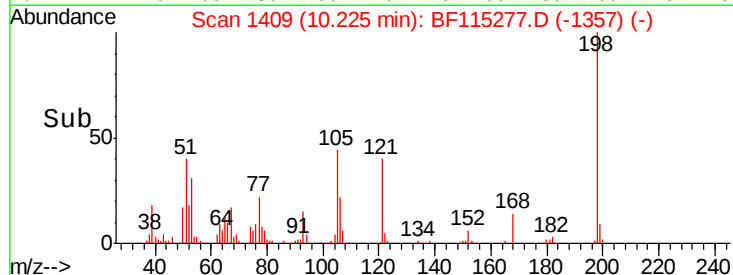
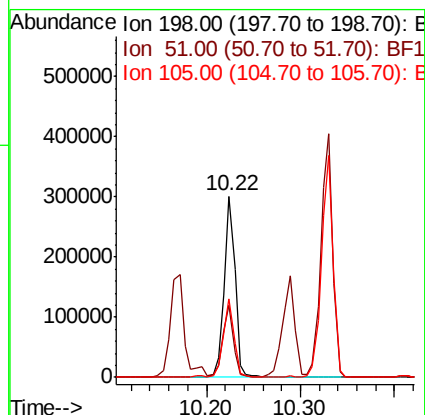
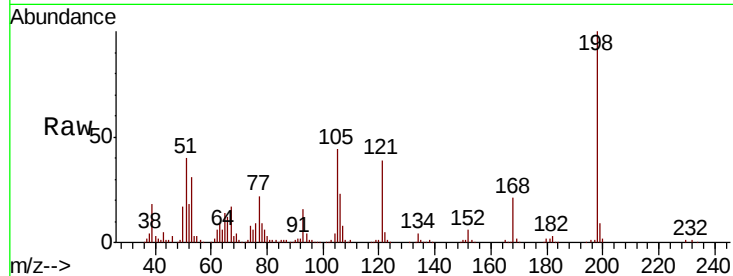
ClientSampleId :

PB120984BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 198   | Resp: | 245471 |
| Ion Ratio | Lower | Upper |        |
| 198       | 100   |       |        |
| 51        | 39.6  | 11.0  | 51.0   |
| 105       | 43.6  | 17.3  | 57.3   |

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#66

n-Nitrosodiphenylamine

Concen: 45.785 ng

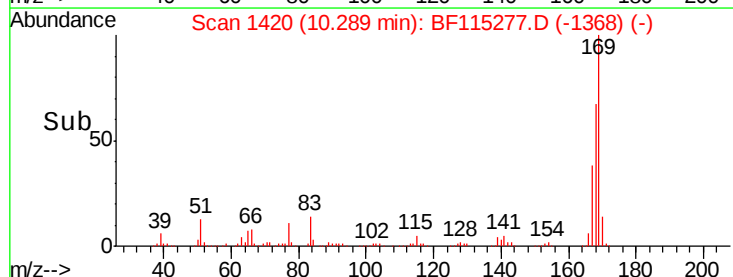
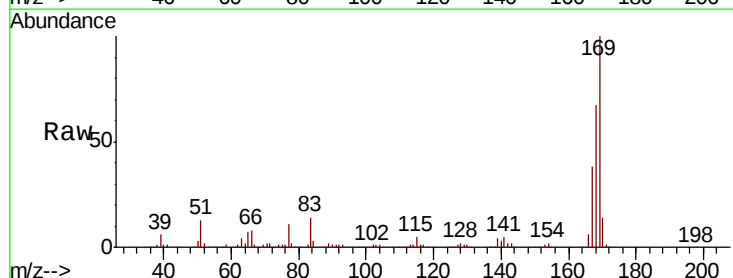
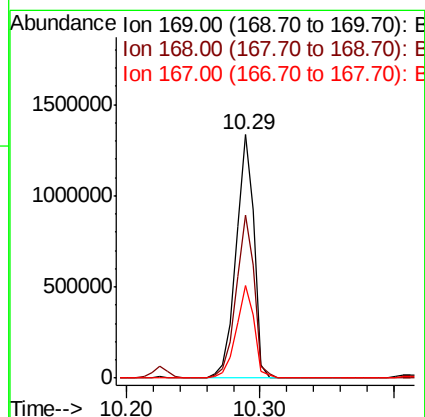
RT: 10.29 min Scan# 1420

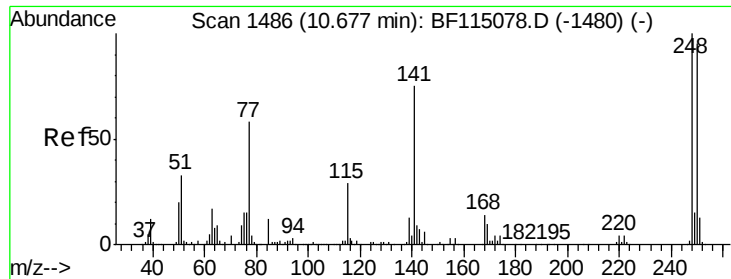
Delta R.T. 0.01 min

Lab File: BF115277.D

Acq: 28 Jun 2019 13:21

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 169   | Resp: | 1259902 |
| Ion Ratio | Lower | Upper |         |
| 169       | 100   |       |         |
| 168       | 67.1  | 54.2  | 81.4    |
| 167       | 37.9  | 29.4  | 44.0    |





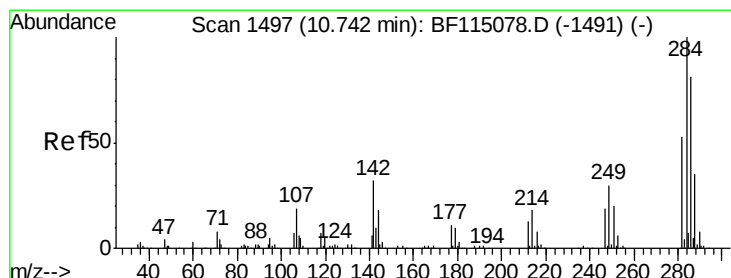
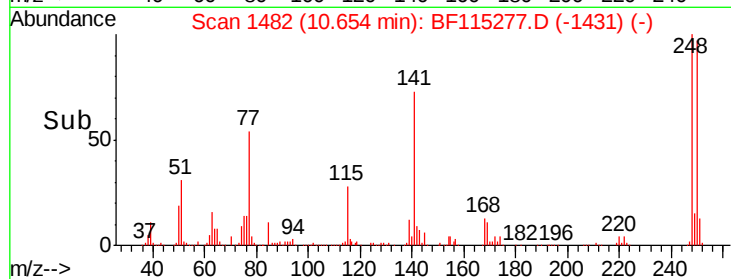
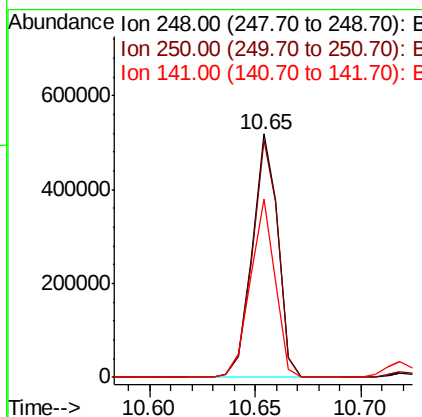
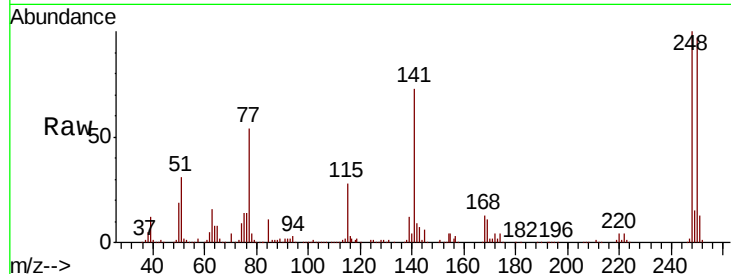
#67  
4-Bromophenyl-phenylether  
Concen: 45.980 ng  
RT: 10.65 min Scan# 1482  
Delta R.T. 0.00 min  
Lab File: BF115277.D  
Acq: 28 Jun 2019 13:21

Instrument :  
BNA\_F  
ClientSampleId :  
PB120984BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 97.4  | 76.2  | 114.2 |
| 141     | 73.5  | 59.6  | 89.4  |

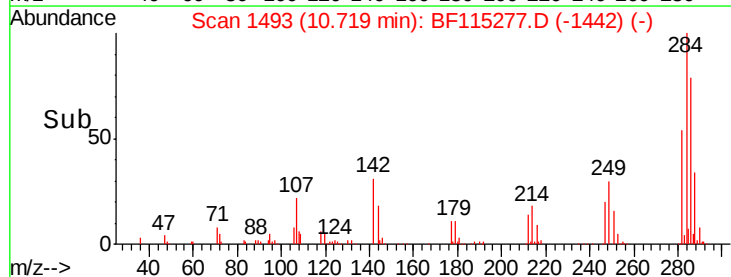
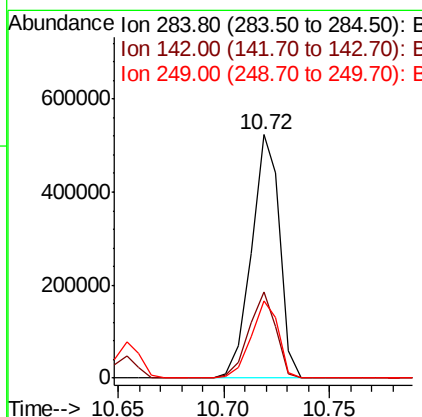
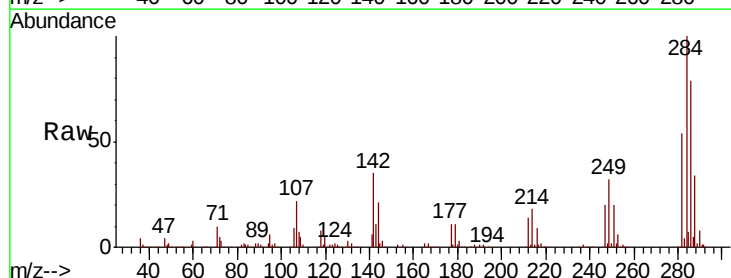
Manual Integrations  
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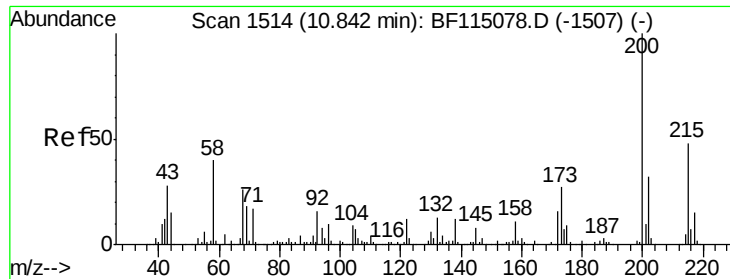
mohammad  
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#68  
Hexachlorobenzene  
Concen: 46.644 ng  
RT: 10.72 min Scan# 1493  
Delta R.T. 0.00 min  
Lab File: BF115277.D  
Acq: 28 Jun 2019 13:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 35.4  | 25.8  | 38.8  |
| 249     | 31.8  | 24.2  | 36.4  |





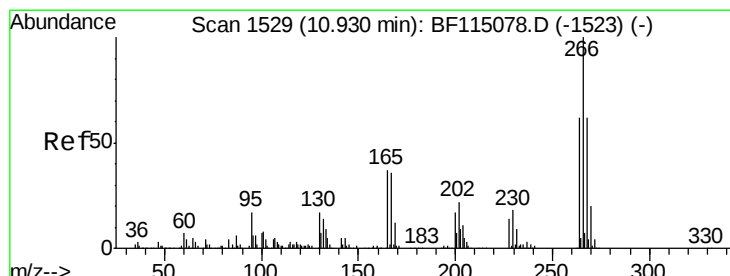
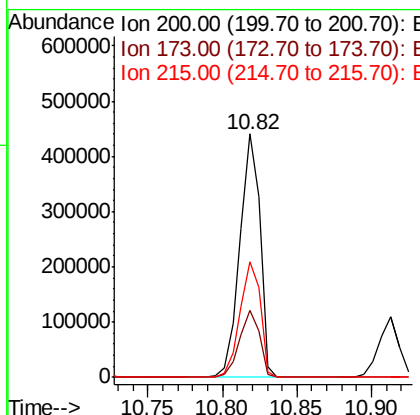
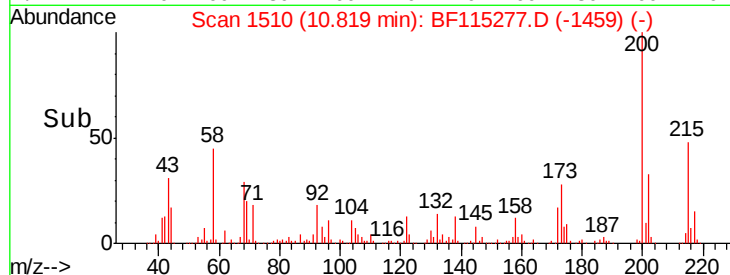
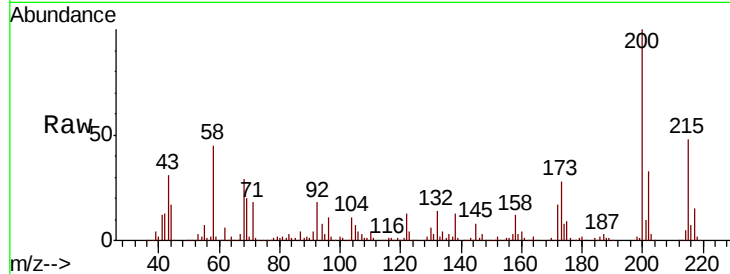
#69  
 Atrazine  
 Concen: 47.167 ng  
 RT: 10.82 min Scan# 1510  
 Delta R.T. 0.00 min  
 Lab File: BF115277.D  
 Acq: 28 Jun 2019 13:21

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB120984BS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 200     | 100   |            |       |
| 173     | 27.7  | 7.4        | 47.4  |
| 215     | 47.7  | 27.8       | 67.8  |

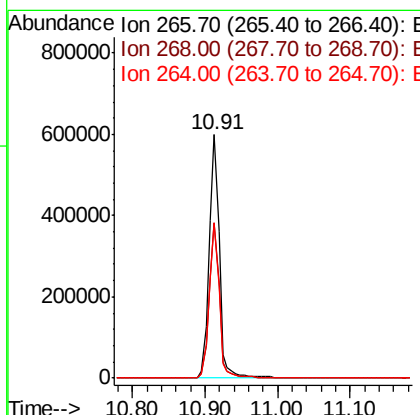
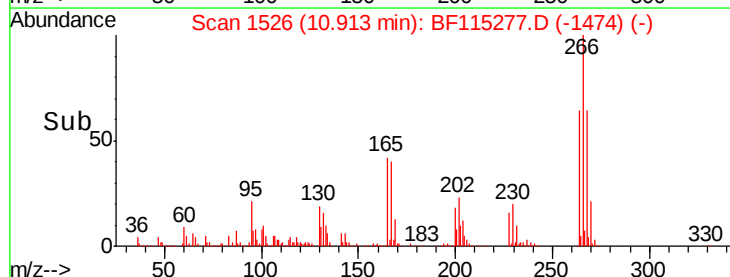
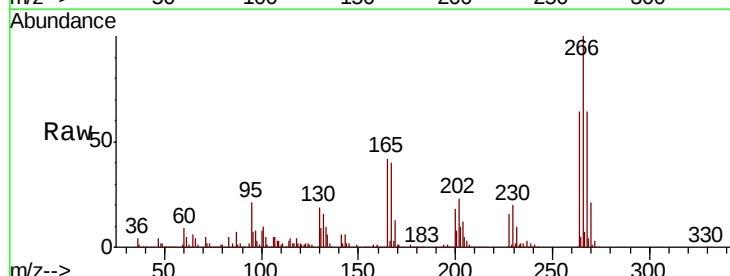
Manual Integrations  
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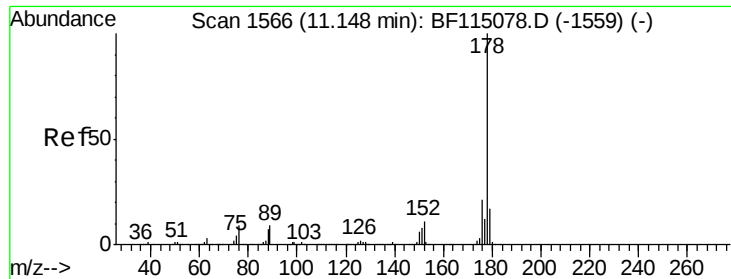
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#70  
 Pentachlorophenol  
 Concen: 88.660 ng  
 RT: 10.91 min Scan# 1526  
 Delta R.T. 0.01 min  
 Lab File: BF115277.D  
 Acq: 28 Jun 2019 13:21

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 266     | 100   |            |       |
| 268     | 63.7  | 49.5       | 74.3  |
| 264     | 64.0  | 49.3       | 73.9  |





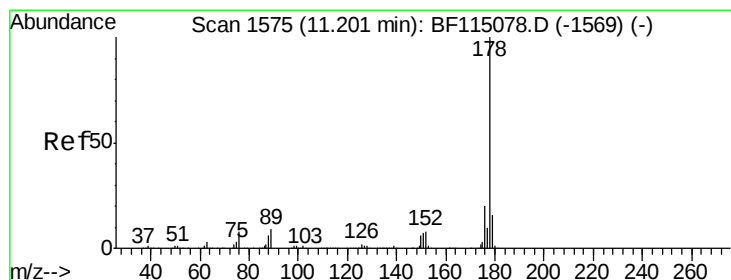
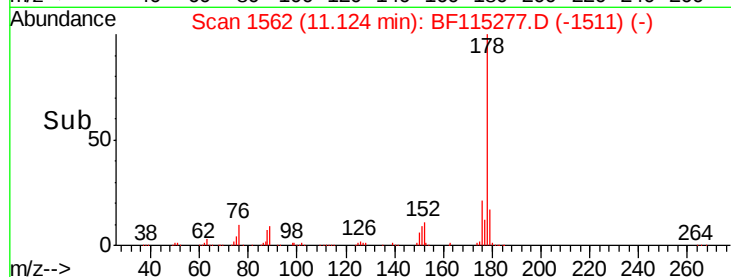
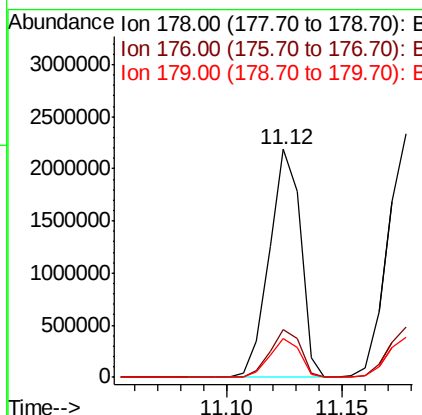
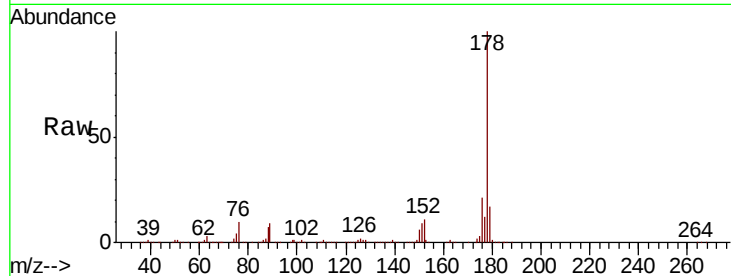
#71  
Phenanthrene  
Concen: 43.328 ng  
RT: 11.12 min Scan# 1562  
Delta R.T. 0.00 min  
Lab File: BF115277.D  
Acq: 28 Jun 2019 13:21

Instrument :  
BNA\_F  
ClientSampleId :  
PB120984BS

Tot Ion:178 Resp: 2060494  
Ion Ratio Lower Upper  
178 100  
176 21.0 16.9 25.3  
179 16.8 13.2 19.8

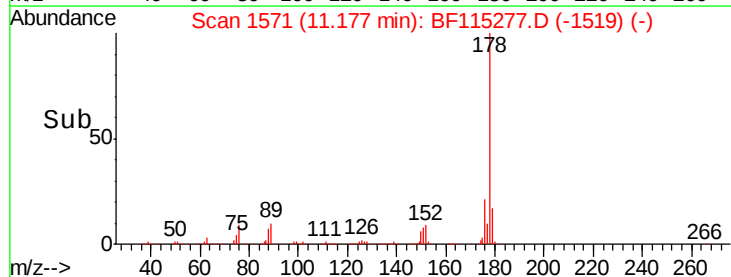
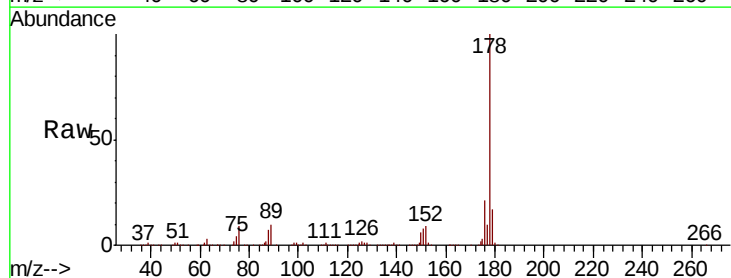
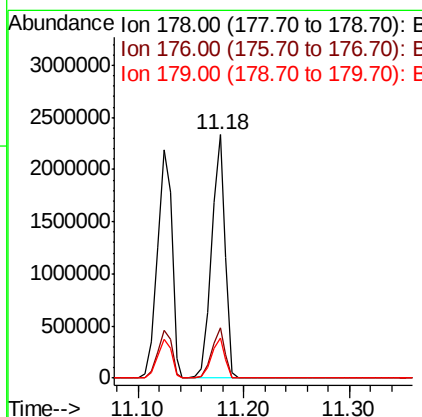
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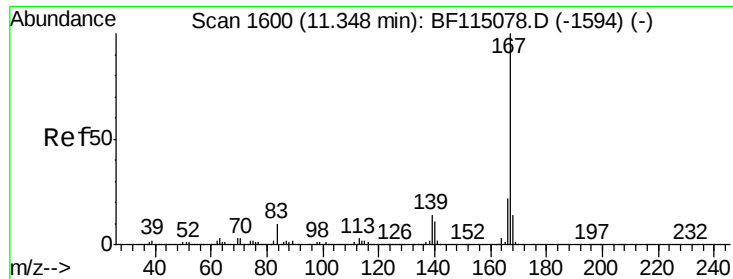
mohammad  
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#72  
Anthracene  
Concen: 44.008 ng  
RT: 11.18 min Scan# 1571  
Delta R.T. 0.01 min  
Lab File: BF115277.D  
Acq: 28 Jun 2019 13:21

Tgt Ion:178 Resp: 2112589  
Ion Ratio Lower Upper  
178 100  
176 20.5 16.1 24.1  
179 16.7 12.9 19.3





#73

Carbazole

Concen: 44.885 ng

RT: 11.33 min Scan# 1597

Delta R.T. 0.01 min

Lab File: BF115277.D

Acq: 28 Jun 2019 13:21

Instrument :

BNA\_F

ClientSampleId :

PB120984BS

Tot Ion:167 Resp: 1924039

Ion Ratio Lower Upper

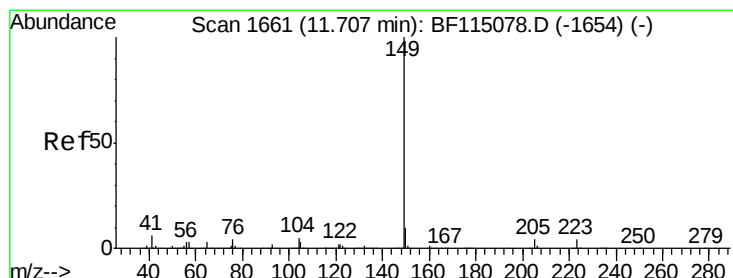
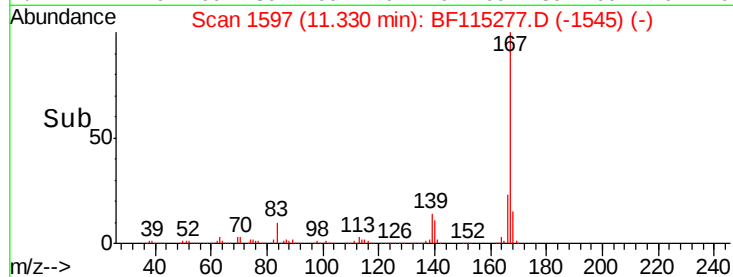
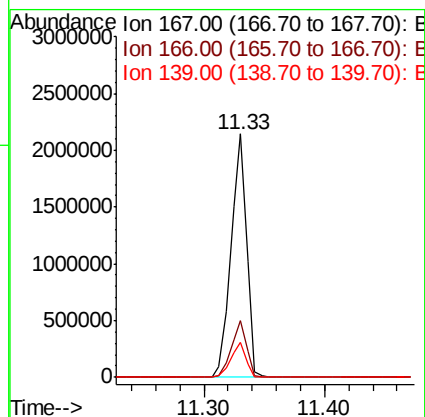
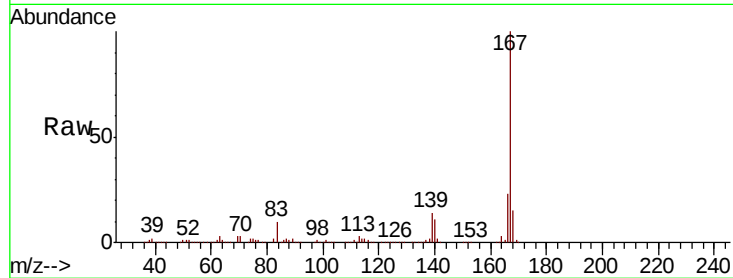
167 100

166 23.4 18.0 27.0

139 14.5 11.1 16.7

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#74

Di-n-butylphthalate

Concen: 45.614 ng

RT: 11.68 min Scan# 1656

Delta R.T. 0.00 min

Lab File: BF115277.D

Acq: 28 Jun 2019 13:21

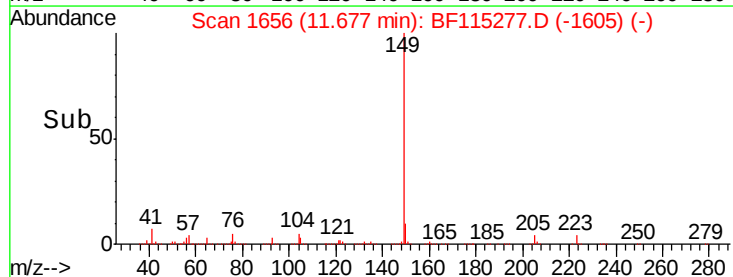
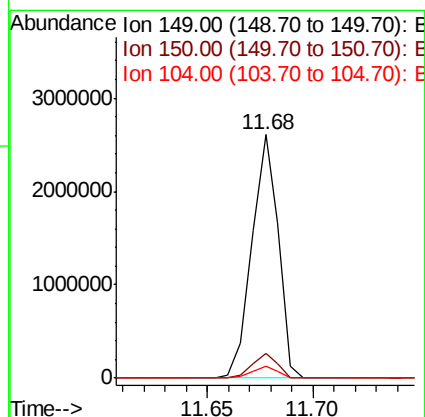
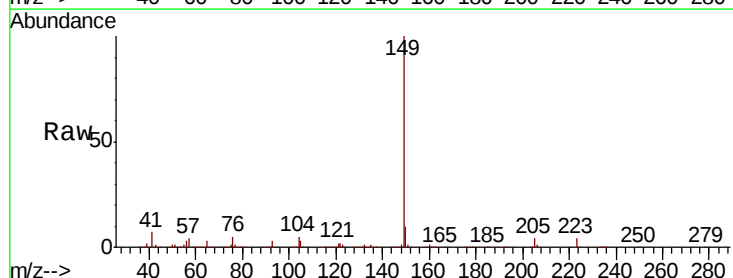
Tgt Ion:149 Resp: 2259440

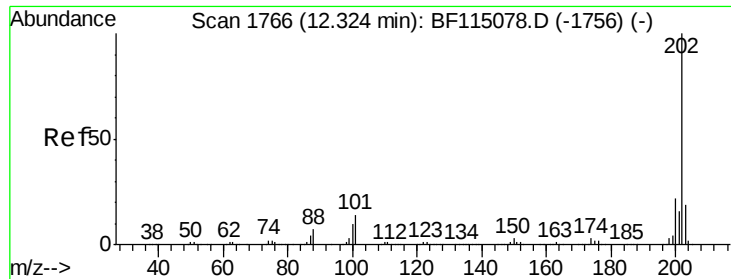
Ion Ratio Lower Upper

149 100

150 10.4 7.8 11.8

104 5.1 3.7 5.5





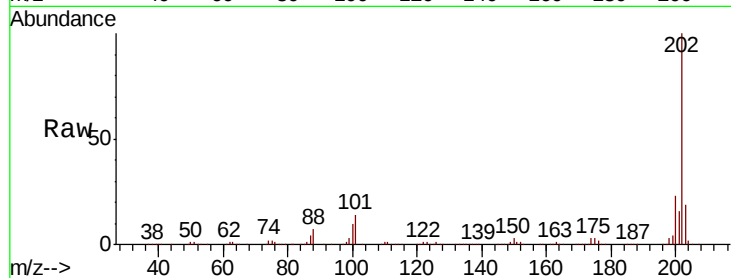
#75  
Fluoranthene  
Concen: 45.746 ng  
RT: 12.30 min Scan# 1762  
Delta R.T. 0.00 min  
Lab File: BF115277.D  
Acq: 28 Jun 2019 13:21

Instrument :  
BNA\_F  
ClientSampled :  
PB120984BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 14.0  | 0.0   | 34.0  |
| 203     | 18.9  | 0.0   | 38.8  |

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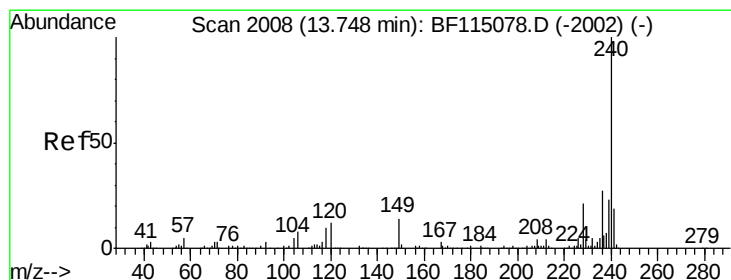
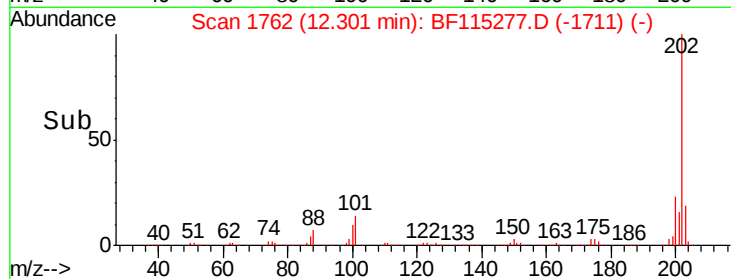
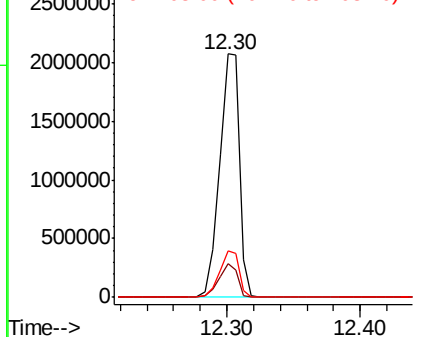


Abundance

Ion 202.00 (201.70 to 202.70): E

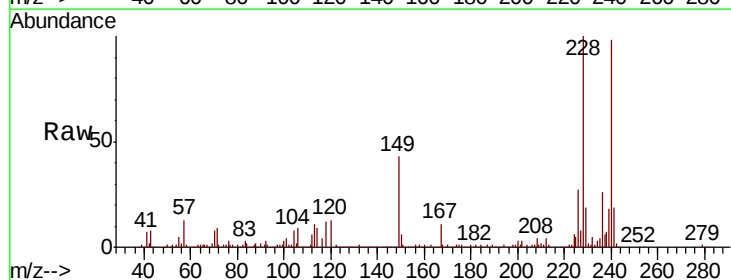
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.72 min Scan# 2003  
Delta R.T. 0.00 min  
Lab File: BF115277.D  
Acq: 28 Jun 2019 13:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 13.7  | 9.4   | 14.2  |
| 236     | 26.7  | 21.7  | 32.5  |

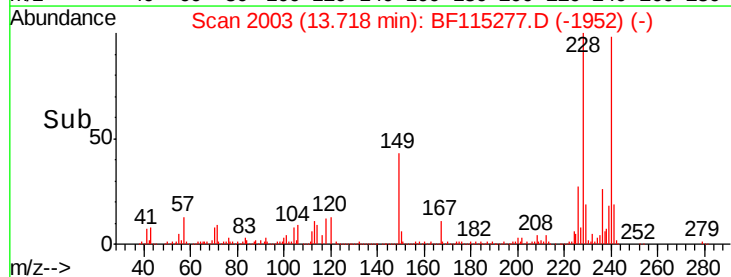
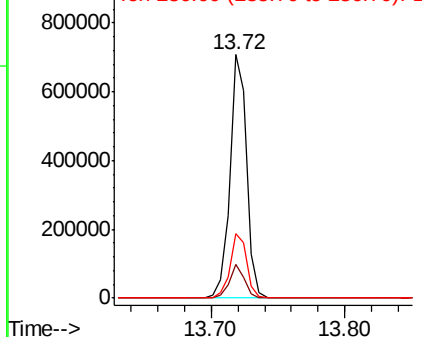


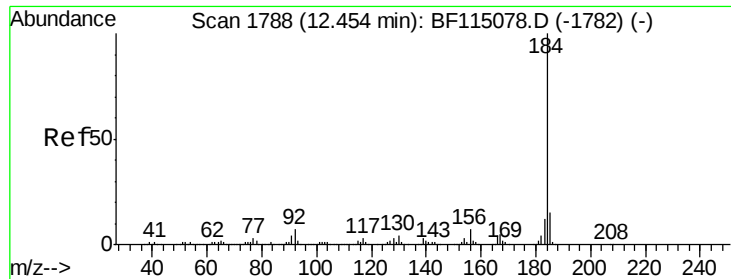
Abundance

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: 26.593 ng

RT: 12.42 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BF115277.D

Acq: 28 Jun 2019 13:21

Instrument :

BNA\_F

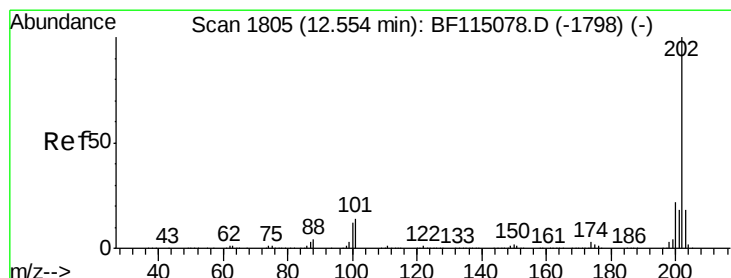
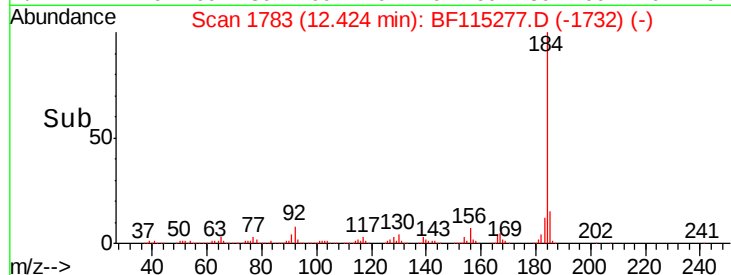
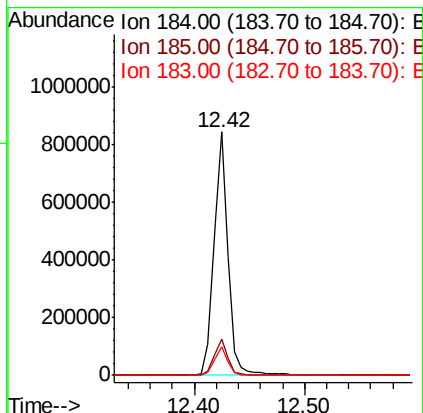
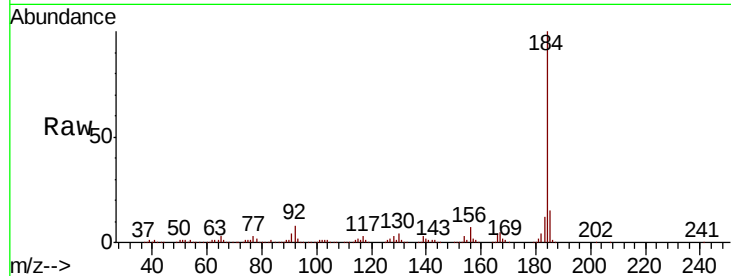
ClientSampleId :

PB120984BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 184   | Resp: | 734966 |
| Ion Ratio | Lower | Upper |        |
| 184       | 100   |       |        |
| 185       | 14.7  | 12.2  | 18.2   |
| 183       | 11.6  | 9.6   | 14.4   |

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#78

Pyrene

Concen: 45.577 ng

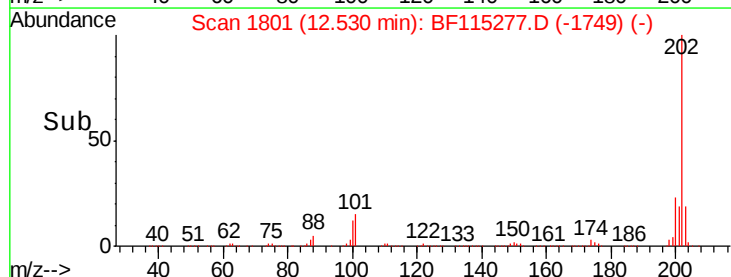
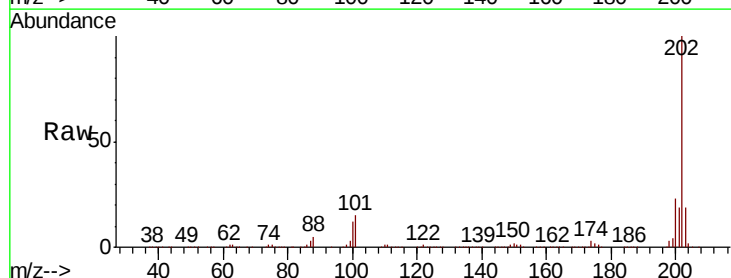
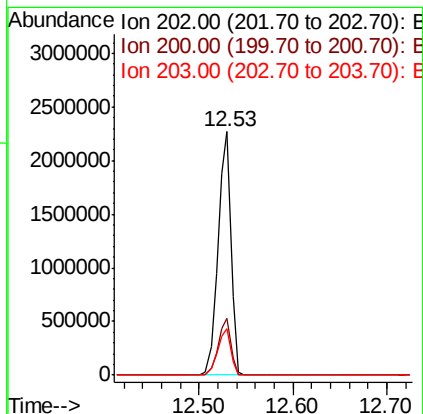
RT: 12.53 min Scan# 1801

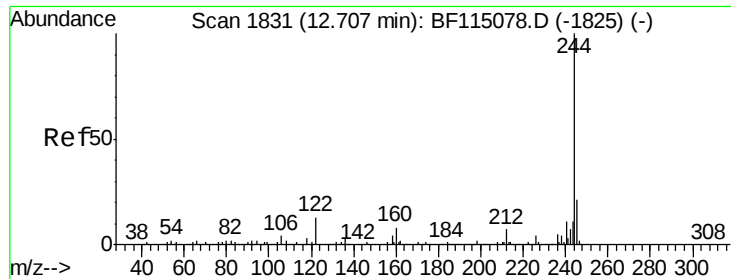
Delta R.T. 0.01 min

Lab File: BF115277.D

Acq: 28 Jun 2019 13:21

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 202   | Resp: | 2180075 |
| Ion Ratio | Lower | Upper |         |
| 202       | 100   |       |         |
| 200       | 23.4  | 17.9  | 26.9    |
| 203       | 19.0  | 14.6  | 21.8    |





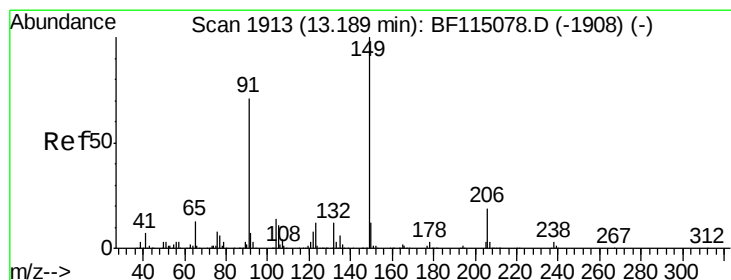
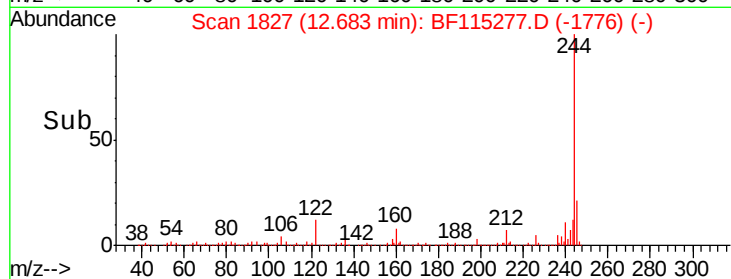
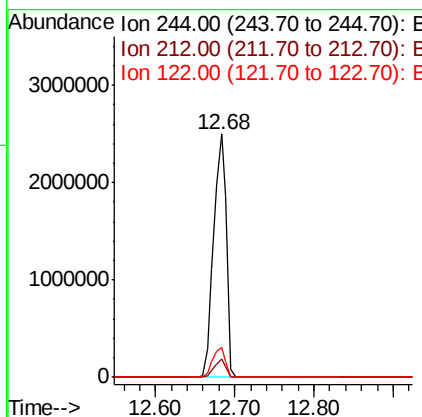
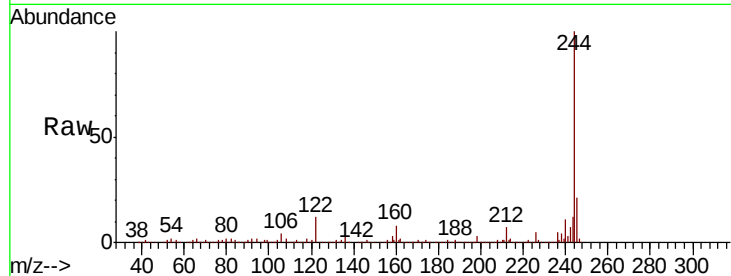
#79  
 Terphenyl-d14  
 Concen: 95.063 ng  
 RT: 12.68 min Scan# 1827  
 Delta R.T. 0.00 min  
 Lab File: BF115277.D  
 Acq: 28 Jun 2019 13:21

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB120984BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.4   | 5.8   | 8.6   |
| 122     | 12.2  | 10.4  | 15.6  |

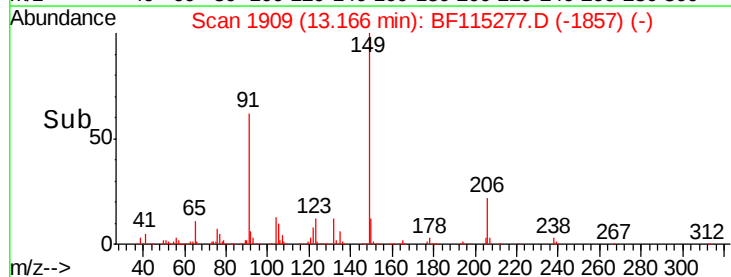
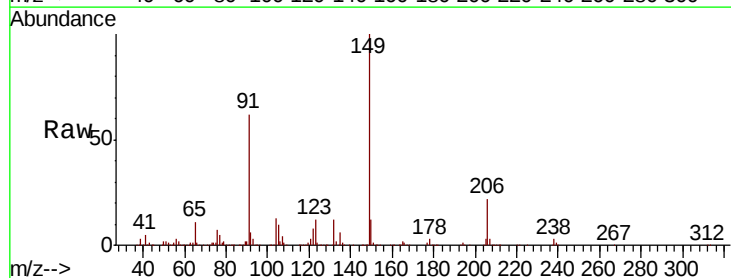
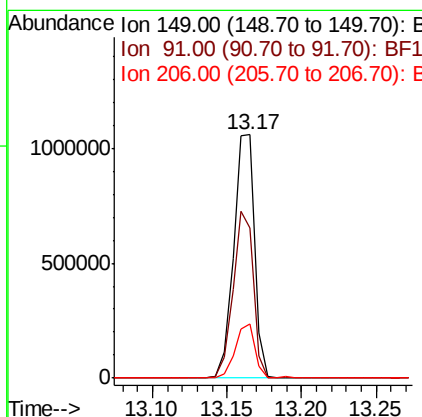
Manual Integrations  
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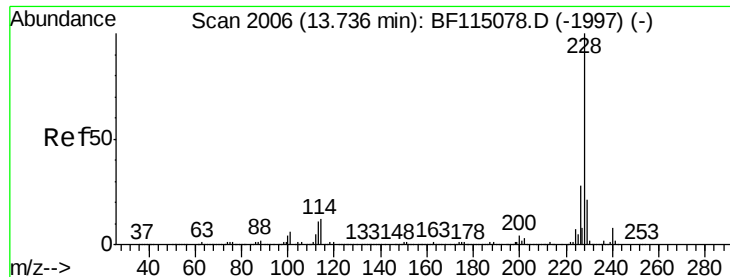
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#80  
 Butylbenzylphthalate  
 Concen: 49.567 ng  
 RT: 13.17 min Scan# 1909  
 Delta R.T. 0.01 min  
 Lab File: BF115277.D  
 Acq: 28 Jun 2019 13:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 61.6  | 56.5  | 84.7  |
| 206     | 22.1  | 15.3  | 22.9  |





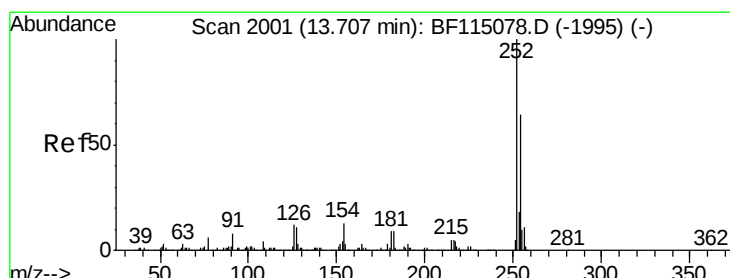
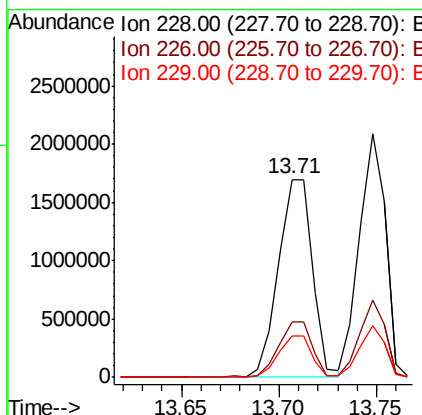
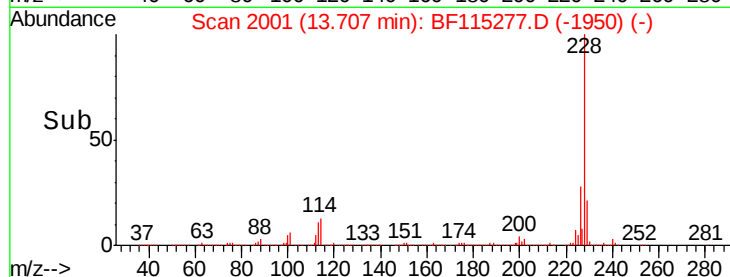
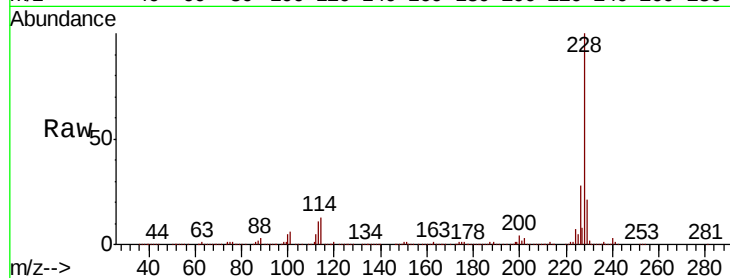
#81  
Benzo(a)anthracene  
Concen: 46.011 ng  
RT: 13.71 min Scan# 2001  
Delta R.T. 0.00 min  
Lab File: BF115277.D  
Acq: 28 Jun 2019 13:21

Instrument :  
BNA\_F  
ClientSampleId :  
PB120984BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 28.1  | 22.5  | 33.7  |
| 229     | 20.8  | 16.6  | 24.8  |

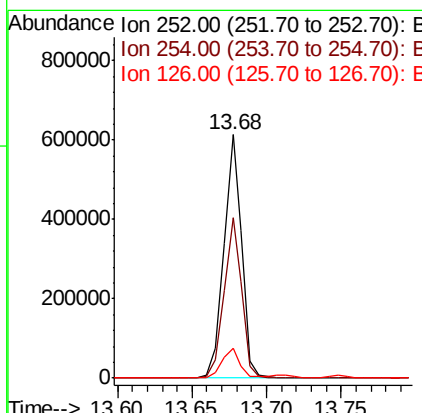
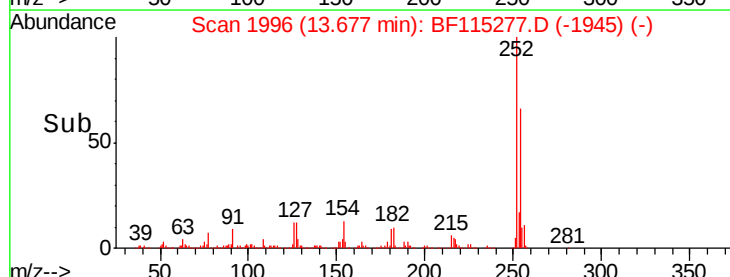
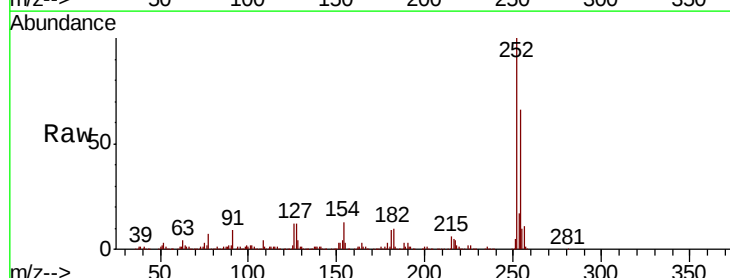
Manual Integrations  
APPROVED

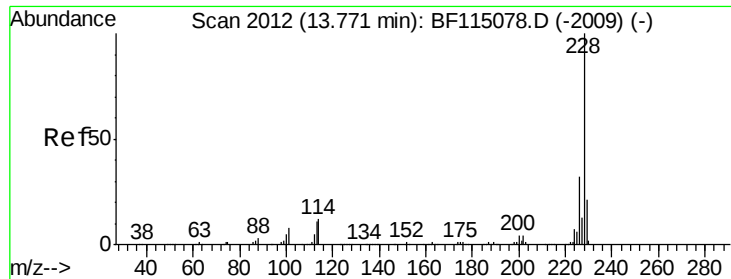
mohammad  
7/1/2019 3:05:42 PM



#82  
3,3'-Dichlorobenzidine  
Concen: 32.166 ng  
RT: 13.68 min Scan# 1996  
Delta R.T. 0.00 min  
Lab File: BF115277.D  
Acq: 28 Jun 2019 13:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 66.1  | 51.1  | 76.7  |
| 126     | 12.4  | 9.4   | 14.0  |





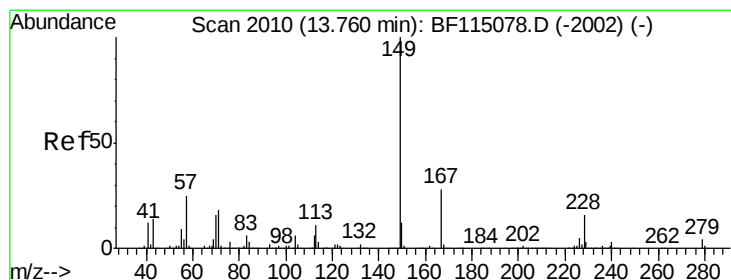
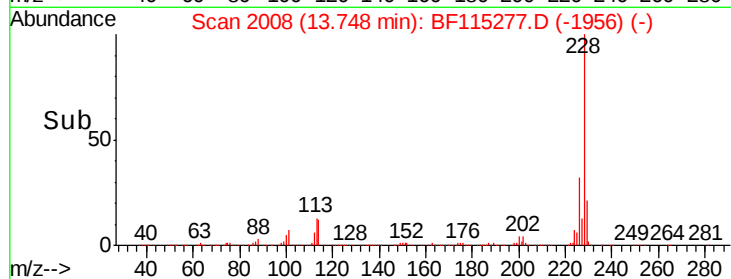
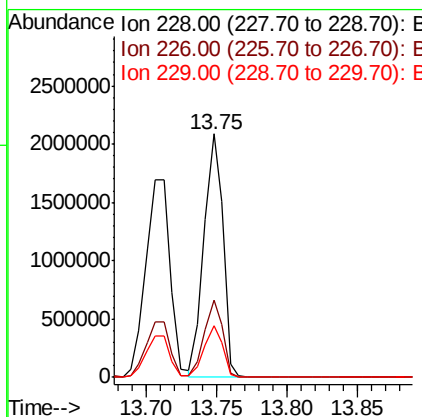
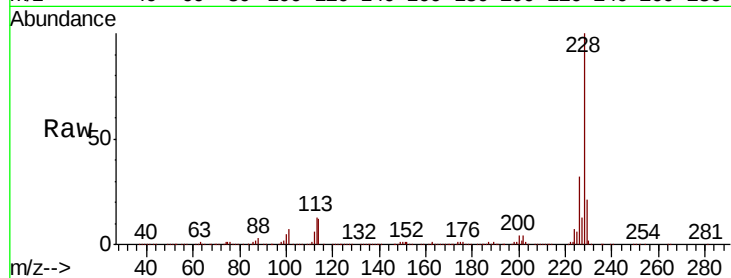
#83  
Chrysene  
Concen: 47.854 ng  
RT: 13.75 min Scan# 2008  
Delta R.T. 0.01 min  
Lab File: BF115277.D  
Acq: 28 Jun 2019 13:21

Instrument :  
BNA\_F  
ClientSampleId :  
PB120984BS

Tot Ion:228 Resp: 1957681  
Ion Ratio Lower Upper  
228 100  
226 31.7 25.4 38.0  
229 21.0 16.5 24.7

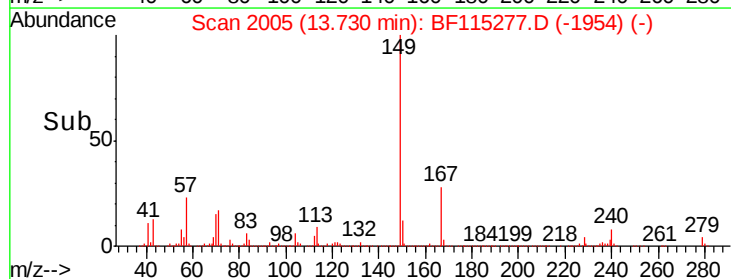
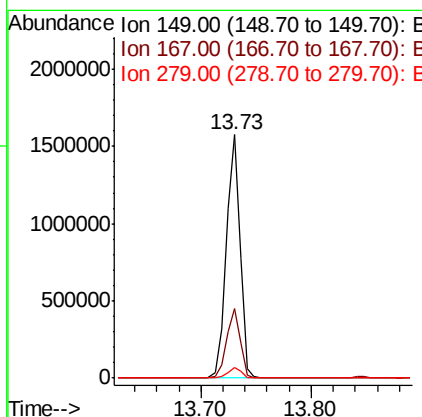
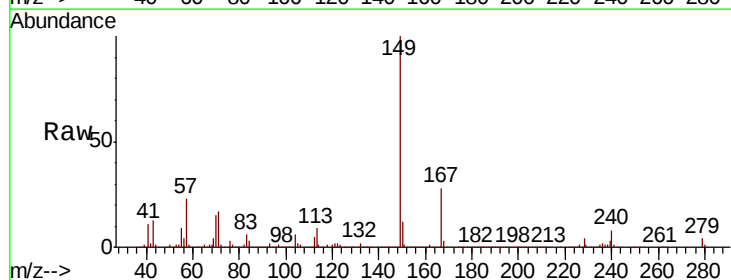
Manual Integrations  
APPROVED

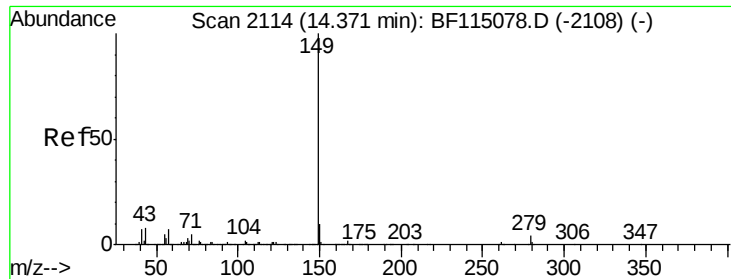
mohammad  
7/1/2019 3:05:42 PM



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 49.754 ng  
RT: 13.73 min Scan# 2005  
Delta R.T. 0.00 min  
Lab File: BF115277.D  
Acq: 28 Jun 2019 13:21

Tgt Ion:149 Resp: 1376171  
Ion Ratio Lower Upper  
149 100  
167 28.4 22.2 33.4  
279 4.1 2.9 4.3





#85

Di-n-octyl phthalate

Concen: 50.582 ng

RT: 14.34 min Scan# 2109

Delta R.T. 0.00 min

Lab File: BF115277.D

Acq: 28 Jun 2019 13:21

Instrument :

BNA\_F

ClientSampleId :

PB120984BS

Tot Ion:149 Resp: 2350699

Ion Ratio Lower Upper

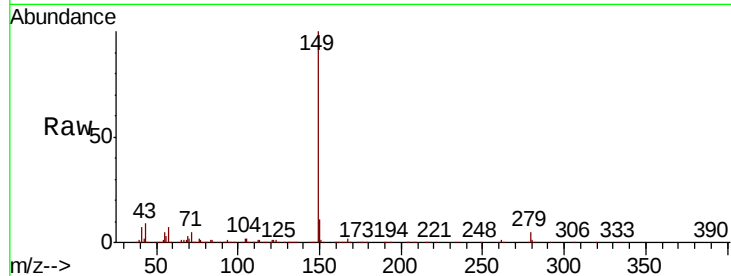
149 100

167 1.6 1.2 1.8

43 8.6 7.0 10.6

Manual Integrations  
APPROVED

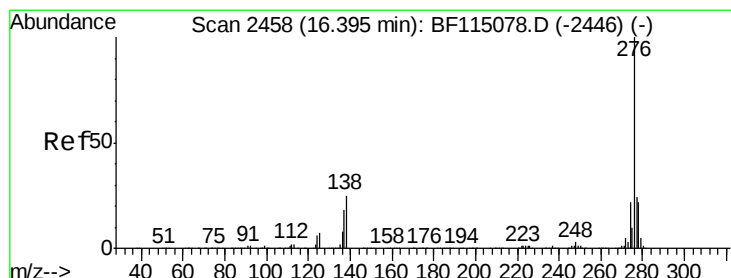
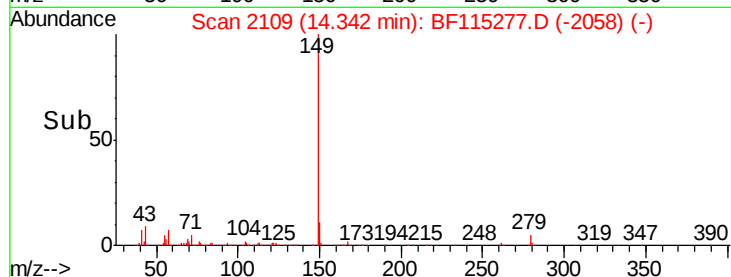
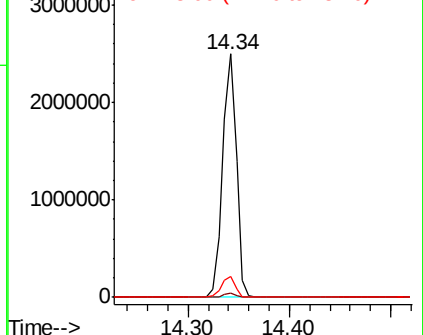
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 52.585 ng

RT: 16.37 min Scan# 2453

Delta R.T. 0.01 min

Lab File: BF115277.D

Acq: 28 Jun 2019 13:21

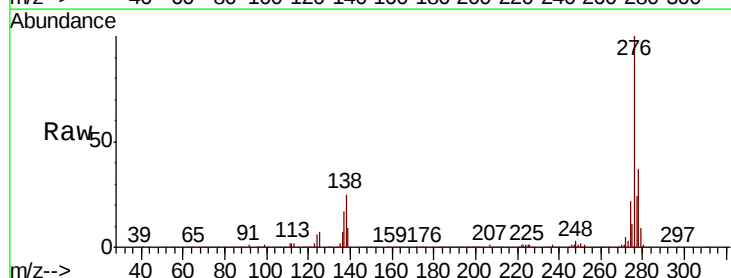
Tgt Ion:276 Resp: 2545510

Ion Ratio Lower Upper

276 100

138 27.9 23.2 34.8

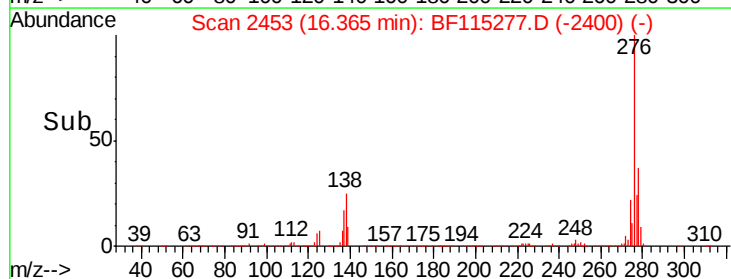
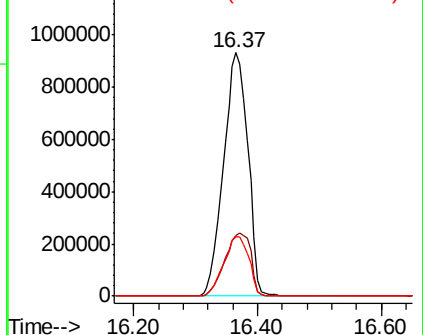
277 25.3 20.1 30.1

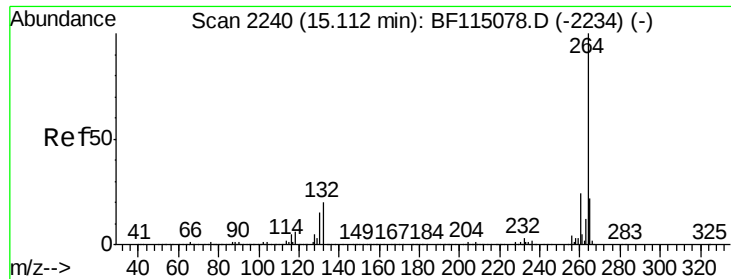


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





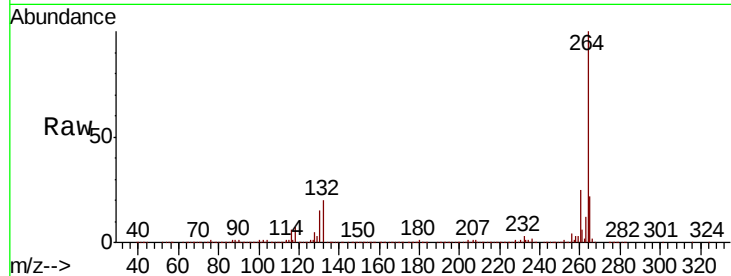
#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.09 min Scan# 2236  
Delta R.T. 0.01 min  
Lab File: BF115277.D  
Acq: 28 Jun 2019 13:21

Instrument :  
BNA\_F  
ClientSampleId :  
PB120984BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.9  | 19.6  | 29.4  |
| 265     | 21.8  | 17.3  | 25.9  |

Manual Integrations  
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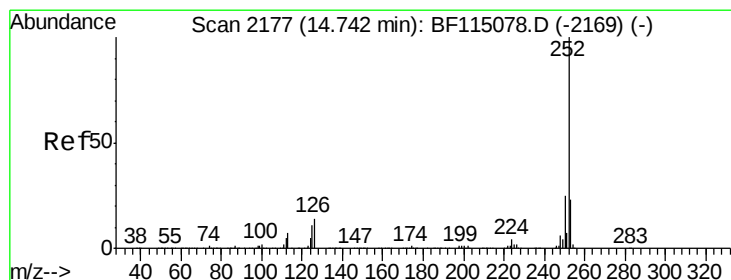
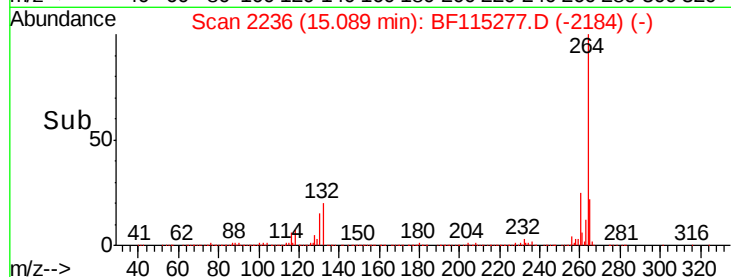
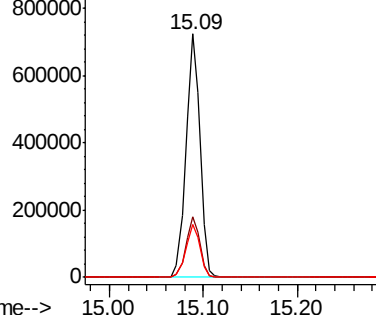


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88  
Benzo(b)fluoranthene  
Concen: 50.032 ng  
RT: 14.72 min Scan# 2174  
Delta R.T. 0.01 min  
Lab File: BF115277.D  
Acq: 28 Jun 2019 13:21

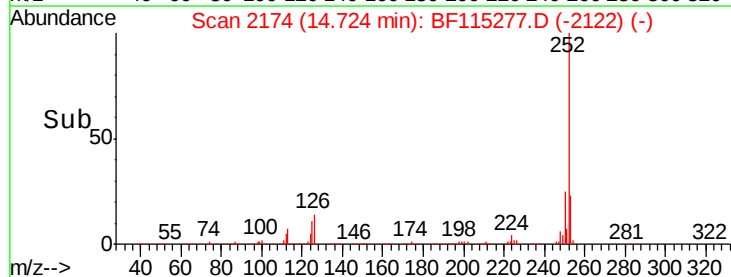
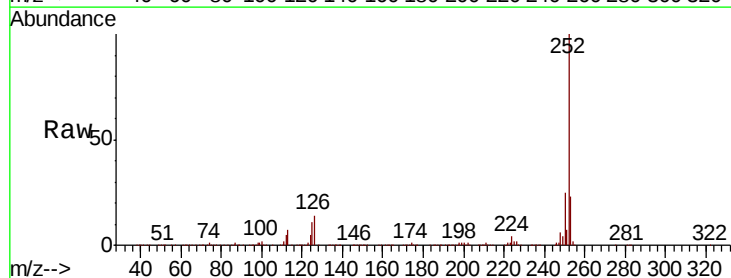
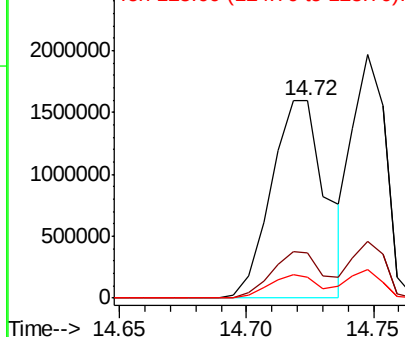
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.1  | 18.1  | 27.1  |
| 125     | 10.6  | 8.7   | 13.1  |

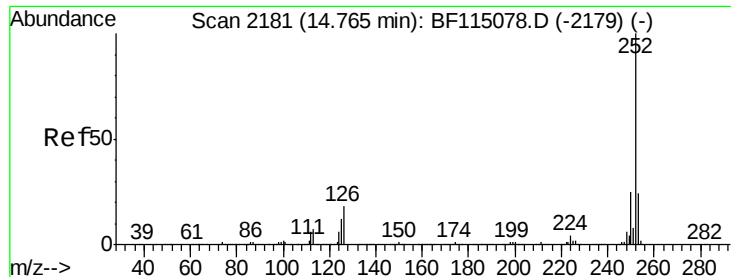
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





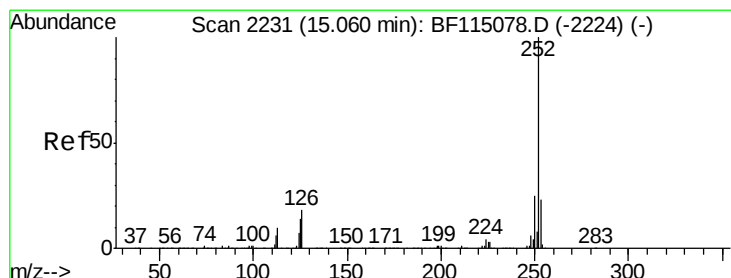
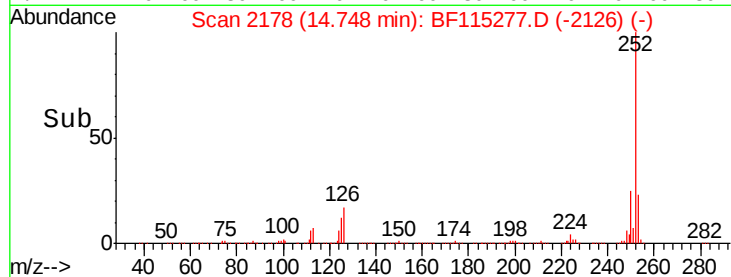
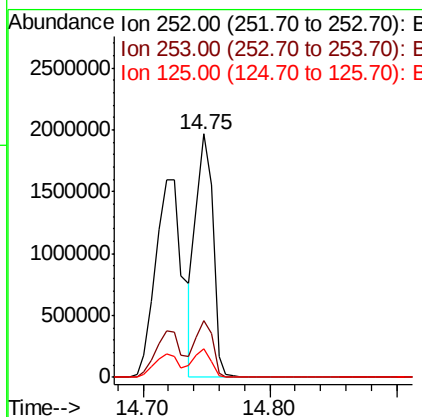
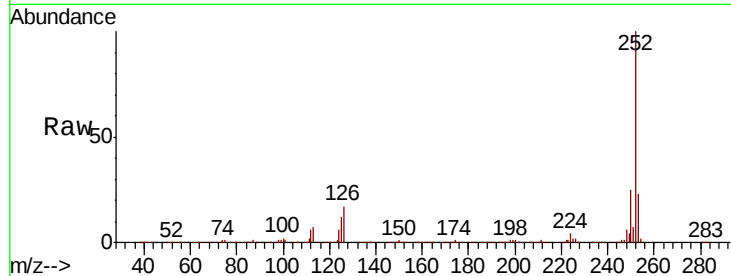
#89  
Benzo(k)fluoranthene  
Concen: 42.065 ng  
RT: 14.75 min Scan# 2178  
Delta R.T. 0.01 min  
Lab File: BF115277.D  
Acq: 28 Jun 2019 13:21

Instrument :  
BNA\_F  
ClientSampleId :  
PB120984BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.4  | 18.9  | 28.3  |
| 125     | 11.9  | 10.2  | 15.2  |

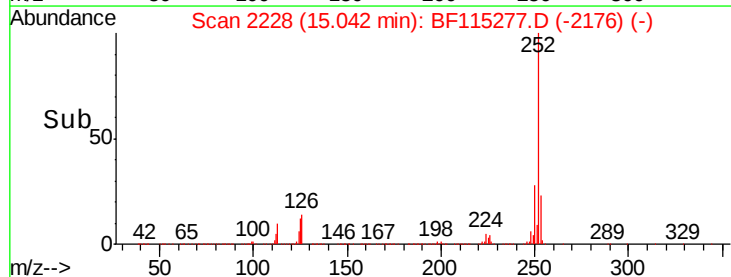
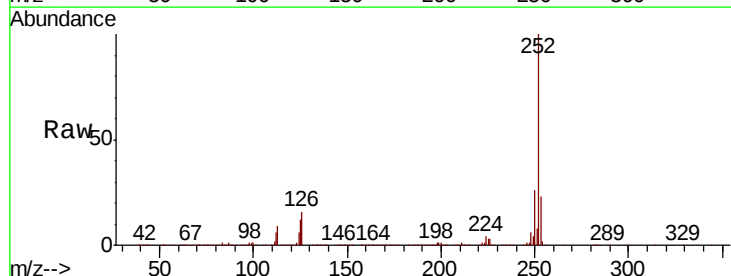
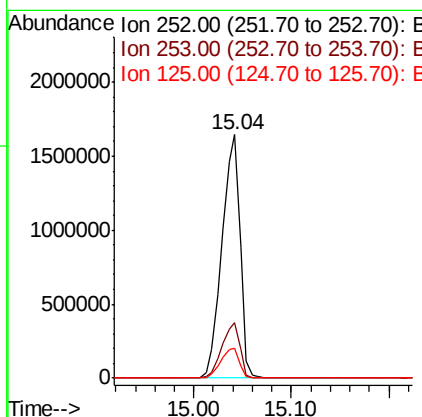
Manual Integrations  
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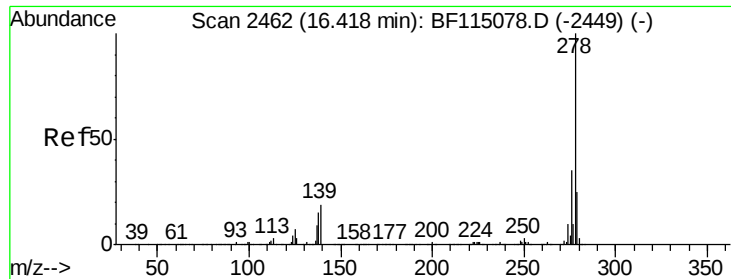
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#90  
Benzo(a)pyrene  
Concen: 48.931 ng  
RT: 15.04 min Scan# 2228  
Delta R.T. 0.01 min  
Lab File: BF115277.D  
Acq: 28 Jun 2019 13:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.7  | 18.3  | 27.5  |
| 125     | 12.2  | 10.9  | 16.3  |





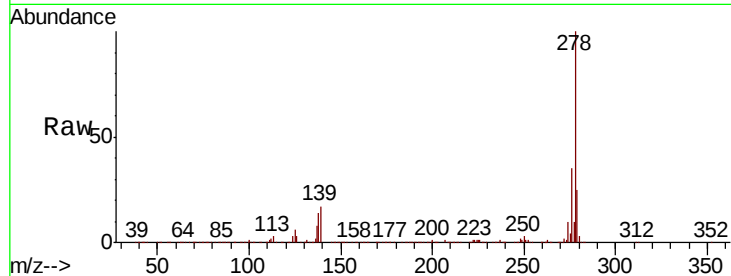
#91  
Dibenzo(a,h)anthracene  
Concen: 51.192 ng  
RT: 16.39 min Scan# 2457  
Delta R.T. 0.02 min  
Lab File: BF115277.D  
Acq: 28 Jun 2019 13:21

Instrument :  
BNA\_F  
ClientSampleId :  
PB120984BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 17.3  | 15.4  | 23.2  |
| 279     | 24.6  | 19.9  | 29.9  |

Manual Integrations  
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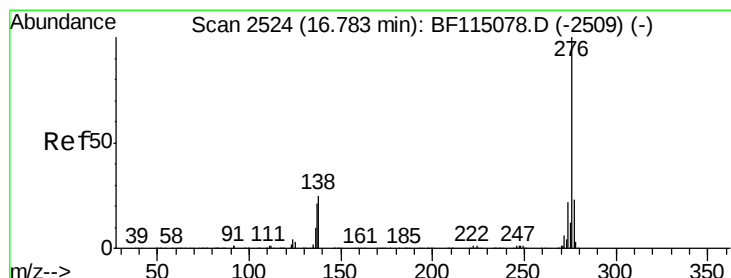
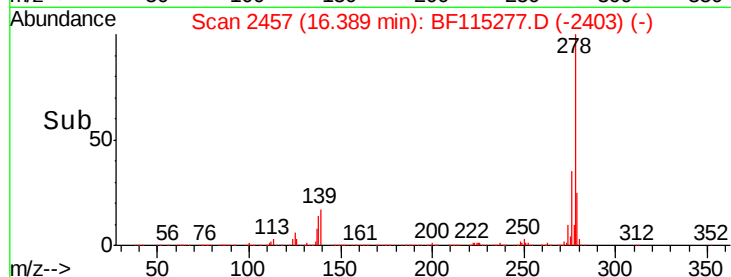
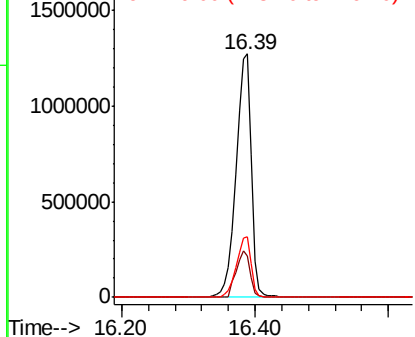


Abundance

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: 53.418 ng  
RT: 16.75 min Scan# 2519  
Delta R.T. 0.02 min  
Lab File: BF115277.D  
Acq: 28 Jun 2019 13:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 24.4  | 18.6  | 28.0  |
| 138     | 24.9  | 19.8  | 29.6  |

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

