

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP092719\  
 Data File : BP000458.D  
 Acq On : 27 Sep 2019 15:31  
 Operator : JU  
 Sample : K4657-03MSD  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 BU-02-092419MSD

Manual Integrations  
 APPROVED

mohammad  
 9/30/2019 8:15:06 AM

Quant Time: Sep 27 23:40:12 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 19 14:44:51 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.79  | 152  | 180699   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.07  | 136  | 328089   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.84  | 164  | 185428   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.33 | 188  | 362316   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 14.01 | 240  | 506119   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.49 | 264  | 530442   | 20.00 | ng    | 0.00     |

|                             |       |     |         |        |    |      |
|-----------------------------|-------|-----|---------|--------|----|------|
| System Monitoring Compounds |       |     |         |        |    |      |
| 5) 2-Fluorophenol           | 5.43  | 112 | 1497047 | 143.02 | ng | 0.02 |
| 7) Phenol-d6                | 6.44  | 99  | 1844676 | 143.77 | ng | 0.02 |
| 23) Nitrobenzene-d5         | 7.35  | 82  | 506410  | 99.59  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol    | 10.63 | 330 | 372761  | 202.68 | ng | 0.00 |
| 45) 2-Fluorobiphenyl        | 9.16  | 172 | 1242073 | 120.56 | ng | 0.00 |
| 79) Terphenyl-d14           | 12.94 | 244 | 2473088 | 102.51 | ng | 0.00 |

|                                |      |     |        |        |        |      |
|--------------------------------|------|-----|--------|--------|--------|------|
| Target Compounds               |      |     |        |        | Qvalue |      |
| 2) 1,4-Dioxane                 | 2.63 | 88  | 193772 | 41.024 | ng     | # 89 |
| 3) Pyridine                    | 3.37 | 79  | 389462 | 30.628 | ng     | 99   |
| 4) n-Nitrosodimethylamine      | 3.28 | 42  | 168792 | 47.076 | ng     | 97   |
| 6) Aniline                     | 6.45 | 93  | 168833 | 9.544  | ng     | # 1  |
| 8) 2-Chlorophenol              | 6.59 | 128 | 556183 | 49.345 | ng     | 98   |
| 9) Benzaldehyde                | 6.34 | 77  | 129713 | 14.647 | ng     | 99   |
| 10) Phenol                     | 6.45 | 94  | 678651 | 46.555 | ng     | 97   |
| 11) bis(2-Chloroethyl)ether    | 6.53 | 93  | 530498 | 47.522 | ng     | 99   |
| 12) 1,3-Dichlorobenzene        | 6.73 | 146 | 590307 | 43.644 | ng     | 98   |
| 13) 1,4-Dichlorobenzene        | 6.81 | 146 | 588383 | 43.722 | ng     | 98   |
| 14) 1,2-Dichlorobenzene        | 6.96 | 146 | 424192 | 34.410 | ng     | 99   |
| 15) Benzyl Alcohol             | 6.93 | 79  | 325244 | 34.834 | ng     | 97   |
| 16) 2,2'-oxybis(1-Chloropropan | 7.07 | 45  | 242219 | 22.887 | ng     | 89   |
| 17) 2-Methylphenol             | 7.05 | 107 | 285710 | 29.596 | ng     | 95   |
| 18) Hexachloroethane           | 7.30 | 117 | 107881 | 21.663 | ng     | 94   |
| 19) n-Nitroso-di-n-propylamine | 7.20 | 70  | 152723 | 22.513 | ng     | 95   |
| 20) 3+4-Methylphenols          | 7.20 | 107 | 278079 | 23.821 | ng     | 97   |
| 22) Acetophenone               | 7.20 | 105 | 382658 | 53.819 | ng     | # 97 |
| 24) Nitrobenzene               | 7.37 | 77  | 254959 | 48.271 | ng     | 94   |
| 25) Isophorone                 | 7.61 | 82  | 463459 | 46.027 | ng     | 98   |
| 26) 2-Nitrophenol              | 7.69 | 139 | 127863 | 45.664 | ng     | # 94 |
| 27) 2,4-Dimethylphenol         | 7.73 | 122 | 233860 | 52.432 | ng     | 93   |
| 28) bis(2-Chloroethoxy)methane | 7.82 | 93  | 290724 | 43.410 | ng     | 99   |
| 29) 2,4-Dichlorophenol         | 7.94 | 162 | 252107 | 52.739 | ng     | 98   |
| 30) 1,2,4-Trichlorobenzene     | 8.01 | 180 | 280844 | 51.256 | ng     | 99   |
| 31) Naphthalene                | 8.10 | 128 | 795398 | 52.346 | ng     | 99   |
| 32) Benzoic acid               | 7.86 | 122 | 115218 | 38.259 | ng     | 96   |
| 33) 4-Chloroaniline            | 8.14 | 127 | 40663  | 5.913  | ng     | 98   |
| 34) Hexachlorobutadiene        | 8.22 | 225 | 184865 | 56.943 | ng     | 100  |
| 35) Caprolactam                | 8.50 | 113 | 72486m | 44.575 | ng     |      |
| 36) 4-Chloro-3-methylphenol    | 8.64 | 107 | 261807 | 53.950 | ng     | 97   |
| 37) 2-Methylnaphthalene        | 8.79 | 142 | 560801 | 53.989 | ng     | 97   |
| 38) 1-Methylnaphthalene        | 8.89 | 142 | 520682 | 53.512 | ng     | 100  |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.96 | 216 | 314556 | 59.331 | ng     | 98   |

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 BNA\_P  
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 BU-02-092419MSD

Manual Integrations  
 APPROVED

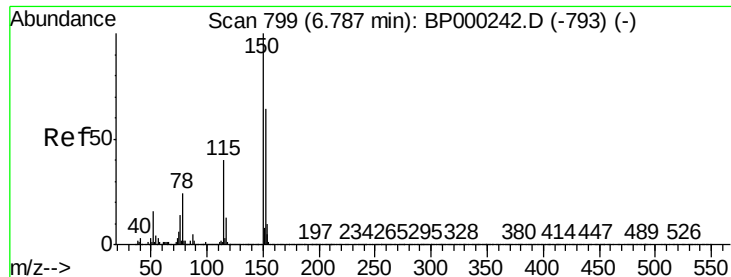
mohammad  
 9/30/2019 8:15:06 AM

Quant Time: Sep 27 23:40:12 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.M  
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 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 8.95  | 237  | 291480   | 95.743  | nq    | 98       |
| 43) 2,4,6-Trichlorophenol      | 9.07  | 196  | 191296   | 52.145  | nq    | 99       |
| 44) 2,4,5-Trichlorophenol      | 9.11  | 196  | 209026   | 55.644  | nq    | # 94     |
| 46) 1,1'-Biphenyl              | 9.26  | 154  | 703627   | 54.853  | nq    | 97       |
| 47) 2-Chloronaphthalene        | 9.28  | 162  | 548582   | 50.981  | nq    | 100      |
| 48) 2-Nitroaniline             | 9.37  | 65   | 117680   | 43.065  | nq    | 91       |
| 49) Acenaphthylene             | 9.70  | 152  | 845081   | 52.246  | nq    | 99       |
| 50) Dimethylphthalate          | 9.56  | 163  | 820159   | 64.920  | nq    | 100      |
| 51) 2,6-Dinitrotoluene         | 9.61  | 165  | 147078   | 52.947  | nq    | 94       |
| 52) Acenaphthene               | 9.87  | 154  | 499627   | 48.948  | nq    | 98       |
| 53) 3-Nitroaniline             | 9.79  | 138  | 36444    | 11.303  | nq    | 97       |
| 54) 2,4-Dinitrophenol          | 9.90  | 184  | 105699   | 86.128  | nq    | 88       |
| 55) Dibenzofuran               | 10.04 | 168  | 789808   | 54.735  | nq    | 97       |
| 56) 4-Nitrophenol              | 9.96  | 139  | 203884   | 85.017  | nq    | # 82     |
| 57) 2,4-Dinitrotoluene         | 10.03 | 165  | 196630   | 54.147  | nq    | 91       |
| 58) Fluorene                   | 10.39 | 166  | 625162   | 56.092  | nq    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.17 | 232  | 183125   | 59.244  | nq    | 96       |
| 60) Diethylphthalate           | 10.26 | 149  | 675181   | 55.557  | nq    | 99       |
| 61) 4-Chlorophenyl-phenylether | 10.38 | 204  | 334206   | 58.417  | nq    | 98       |
| 62) 4-Nitroaniline             | 10.40 | 138  | 118732   | 37.438  | nq    | # 83     |
| 63) Azobenzene                 | 10.54 | 77   | 506404   | 49.184  | nq    | 94       |
| 65) 4,6-Dinitro-2-methylphenol | 10.44 | 198  | 81440    | 47.804  | nq    | 92       |
| 66) n-Nitrosodiphenylamine     | 10.50 | 169  | 462119   | 42.369  | nq    | 99       |
| 67) 4-Bromophenyl-phenylether  | 10.87 | 248  | 221724   | 54.117  | nq    | 98       |
| 68) Hexachlorobenzene          | 10.94 | 284  | 252101   | 56.283  | nq    | 93       |
| 69) Atrazine                   | 11.03 | 200  | 92477    | 27.777  | nq    | 98       |
| 70) Pentachlorophenol          | 11.14 | 266  | 246101   | 100.882 | nq    | 99       |
| 71) Phenanthrene               | 11.36 | 178  | 969830   | 53.415  | nq    | 99       |
| 72) Anthracene                 | 11.41 | 178  | 995080   | 53.245  | nq    | 99       |
| 73) Carbazole                  | 11.57 | 167  | 670828   | 39.857  | nq    | 100      |
| 74) Di-n-butylphthalate        | 11.90 | 149  | 1129991  | 53.042  | nq    | 99       |
| 75) Fluoranthene               | 12.56 | 202  | 1126819  | 57.797  | nq    | 94       |
| 77) Benzidine                  | 12.68 | 184  | 24266    | 1.342   | nq    | 98       |
| 78) Pyrene                     | 12.79 | 202  | 1548694  | 40.899  | nq    | 100      |
| 80) Butylbenzylphthalate       | 13.42 | 149  | 772588   | 44.403  | nq    | 99       |
| 81) Benzo(a)anthracene         | 14.00 | 228  | 1529213  | 47.832  | nq    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 13.96 | 252  | 96311    | 7.496   | nq    | 100      |
| 83) Chrysene                   | 14.04 | 228  | 1628802  | 51.889  | nq    | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 13.99 | 149  | 1014590  | 48.576  | nq    | 99       |
| 85) Di-n-octyl phthalate       | 14.61 | 149  | 1854891  | 47.917  | nq    | 98       |
| 86) Indeno(1,2,3-cd)pyrene     | 16.99 | 276  | 1313210  | 34.321  | nq    | # 91     |
| 88) Benzo(b)fluoranthene       | 15.07 | 252  | 1675017  | 52.933  | nq    | # 97     |
| 89) Benzo(k)fluoranthene       | 15.10 | 252  | 1463865  | 53.033  | nq    | # 96     |
| 90) Benzo(a)pyrene             | 15.43 | 252  | 1679836  | 58.341  | nq    | 99       |
| 91) Dibenzo(a,h)anthracene     | 17.01 | 278  | 1104255  | 41.134  | nq    | # 94     |
| 92) Benzo(g,h,i)perylene       | 17.44 | 276  | 1071261  | 38.822  | nq    | # 90     |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.79 min Scan# 1128

Delta R.T. 0.00 min

Lab File: BP000458.D

Acq: 27 Sep 2019 15:31

Instrument :

BNA\_P

ClientSampleId :

BU-02-092419MSD

Tot Ion:152 Resp: 180699

Ion Ratio Lower Upper

152 100

150 157.3 125.2 187.8

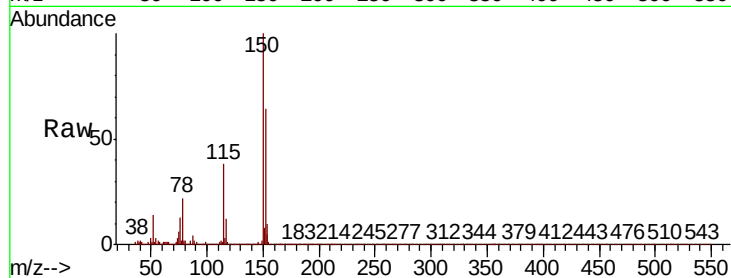
115 59.6 49.7 74.5

Manual Integrations

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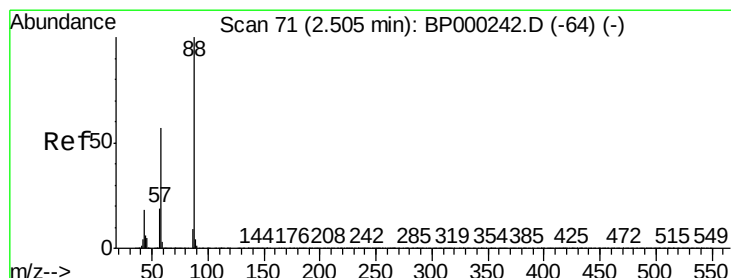
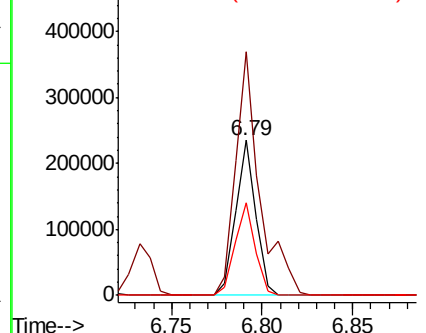
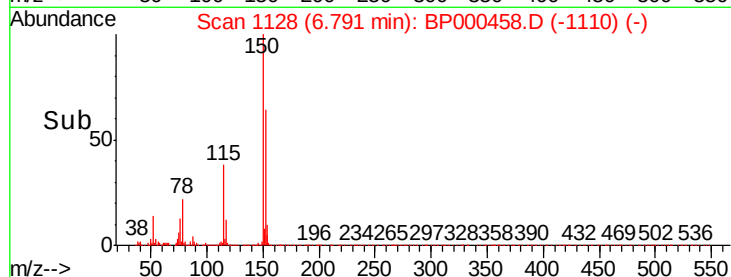
9/30/2019 8:15:06 AM



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 41.024 ng

RT: 2.63 min Scan# 421

Delta R.T. 0.13 min

Lab File: BP000458.D

Acq: 27 Sep 2019 15:31

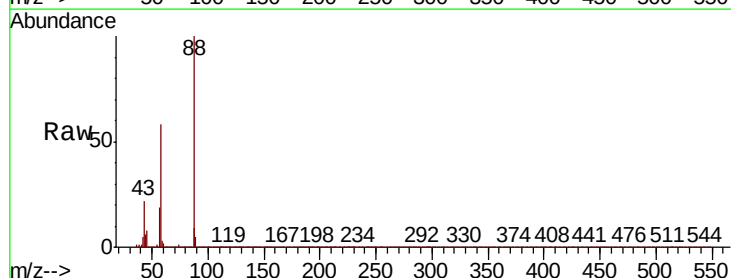
Tgt Ion: 88 Resp: 193772

Ion Ratio Lower Upper

88 100

58 57.3 45.4 68.2

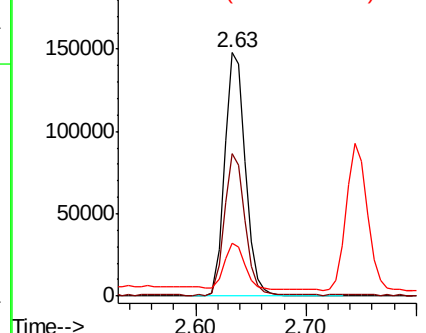
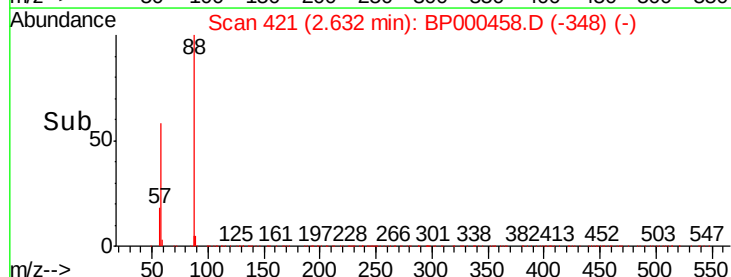
43 0.0 15.0 22.6#

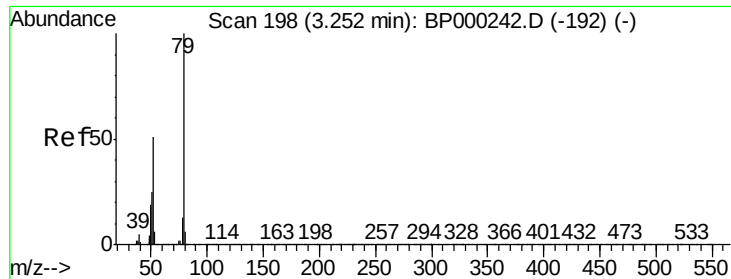


Abundance Ion 88.00 (87.70 to 88.70): BP0

Ion 58.00 (57.70 to 58.70): BP0

Ion 43.00 (42.70 to 43.70): BP0





#3

Pvridine

Concen: 30.628 ng

RT: 3.37 min Scan# 546

Delta R.T. 0.12 min

Lab File: BP000458.D

Acq: 27 Sep 2019 15:31

Instrument :

BNA\_P

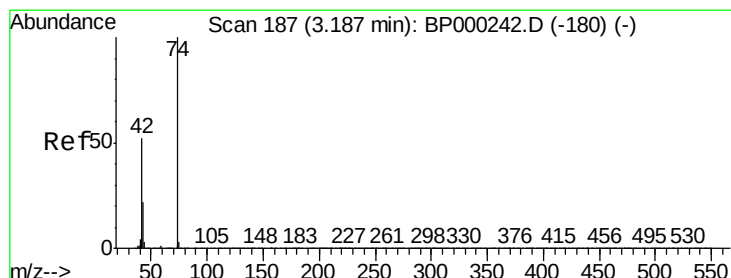
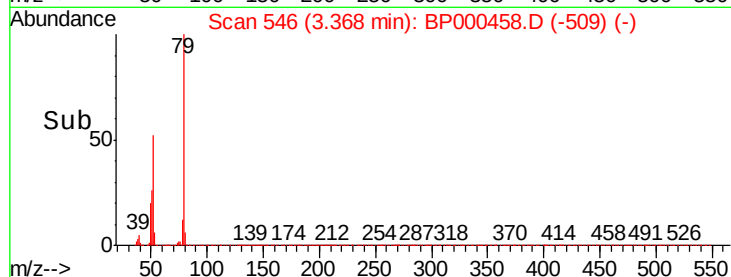
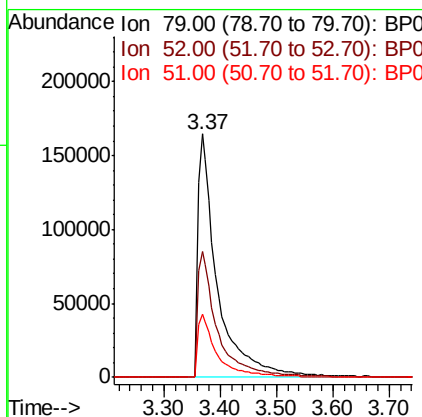
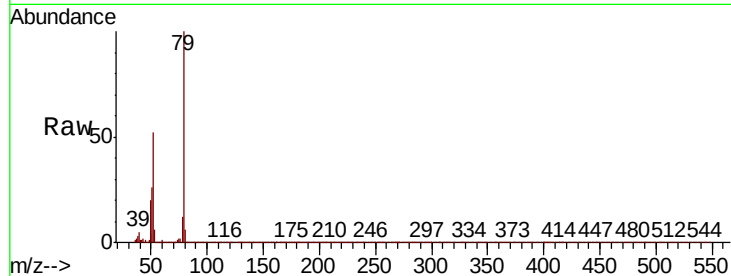
ClientSampleId :

BU-02-092419MSD

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 79      | 100  |       | 389462 |       |       |
| 52      | 51.9 | 40.9  | 61.3   |       |       |
| 51      | 26.0 | 20.2  | 30.2   |       |       |

Manual Integrations  
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#4

n-Nitrosodimethylamine

Concen: 47.076 ng

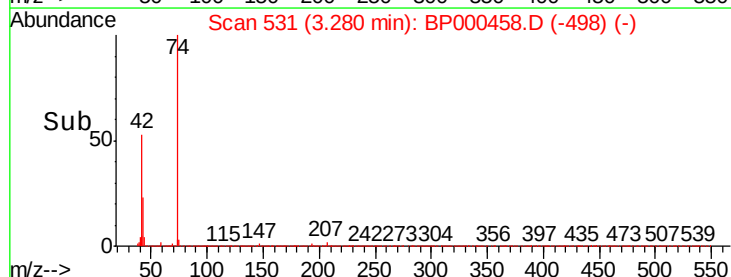
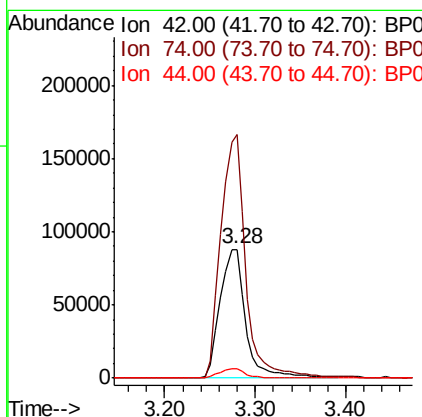
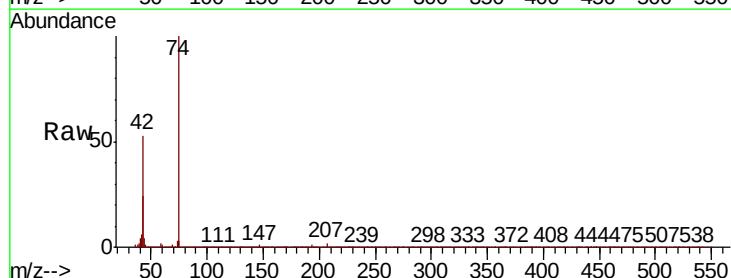
RT: 3.28 min Scan# 531

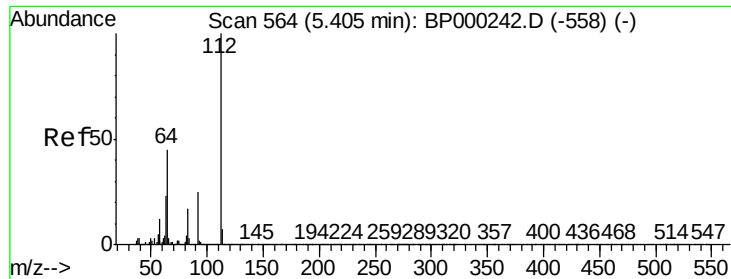
Delta R.T. 0.09 min

Lab File: BP000458.D

Acq: 27 Sep 2019 15:31

| Tgt Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 42      | 100   |       | 168792 |       |       |
| 74      | 188.8 | 154.5 | 231.7  |       |       |
| 44      | 7.0   | 5.9   | 8.9    |       |       |





#5

2-Fluorophenol

Concen: 143.024 ng

RT: 5.43 min Scan# 896

Delta R.T. 0.02 min

Lab File: BP000458.D

Acq: 27 Sep 2019 15:31

Instrument :

BNA\_P

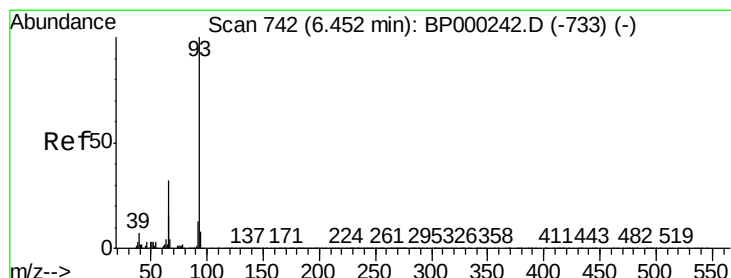
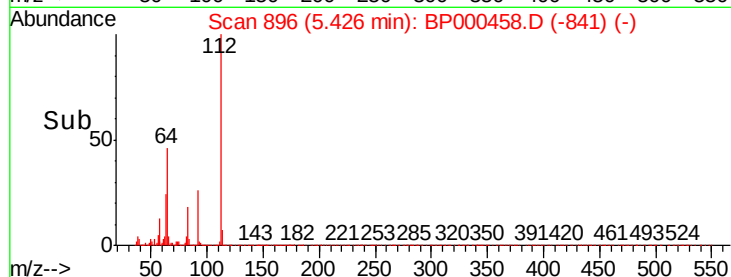
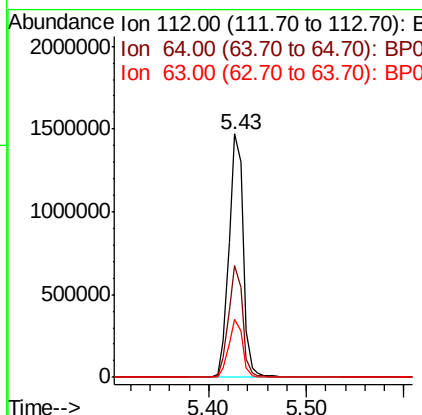
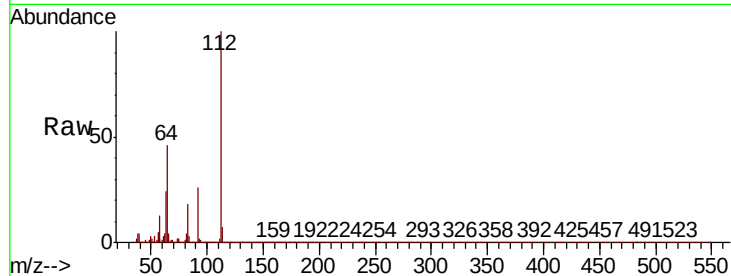
ClientSampleId :

BU-02-092419MSD

|             |               |
|-------------|---------------|
| Tot Ion:112 | Resp: 1497047 |
| Ion Ratio   | Lower Upper   |
| 112 100     |               |
| 64 45.8     | 36.2 54.4     |
| 63 23.6     | 18.3 27.5     |

Manual Integrations  
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#6

Aniline

Concen: 9.544 ng

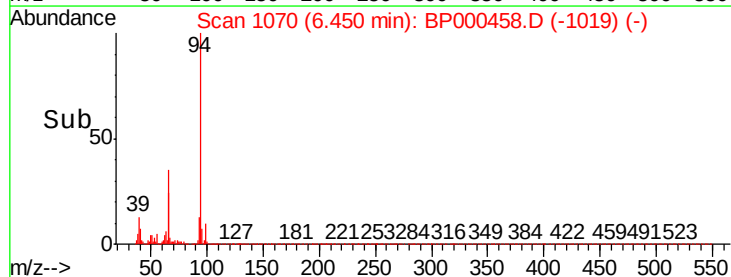
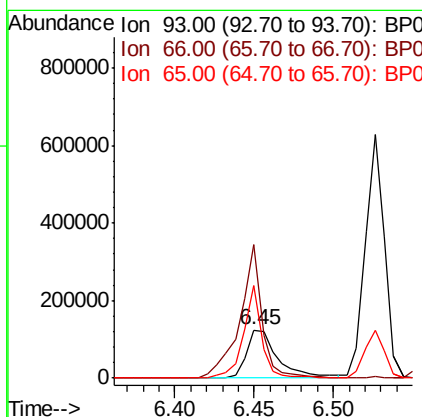
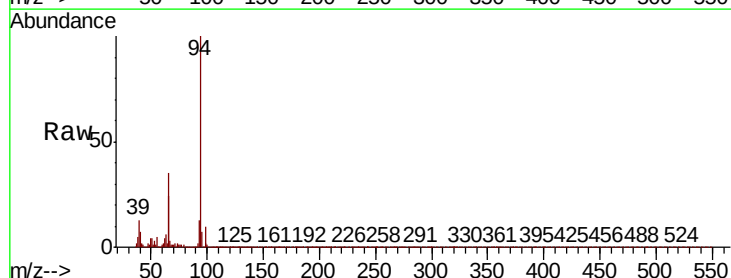
RT: 6.45 min Scan# 1070

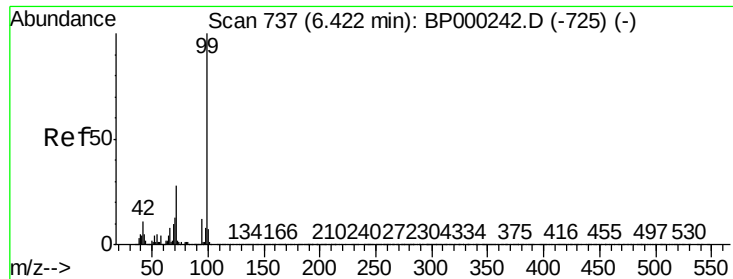
Delta R.T. -0.00 min

Lab File: BP000458.D

Acq: 27 Sep 2019 15:31

|             |              |
|-------------|--------------|
| Tgt Ion: 93 | Resp: 168833 |
| Ion Ratio   | Lower Upper  |
| 93 100      |              |
| 66 278.0    | 26.2 39.2#   |
| 65 191.7    | 12.7 19.1#   |





#7

Phenol-d6

Concen: 143.773 ng

RT: 6.44 min Scan# 1068

Delta R.T. 0.02 min

Lab File: BP000458.D

Acq: 27 Sep 2019 15:31

Instrument :

BNA\_P

ClientSampleId :

BU-02-092419MSD

Tot Ion: 99 Resp: 1844676

Ion Ratio Lower Upper

99 100

42 11.1 8.5 12.7

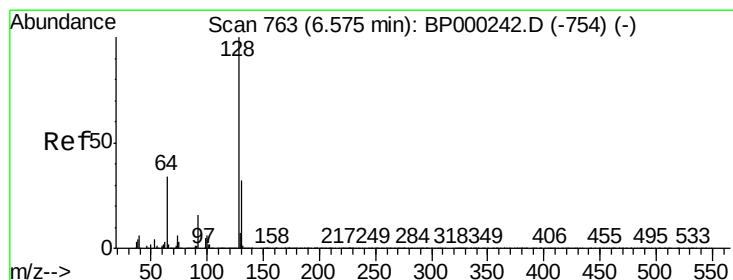
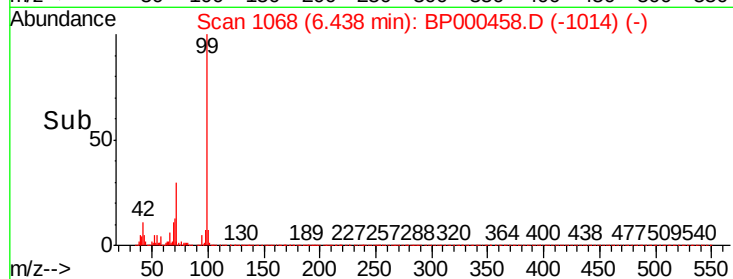
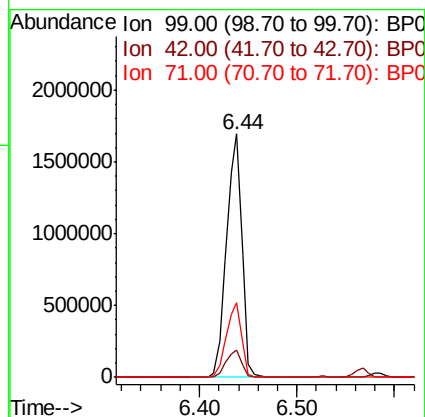
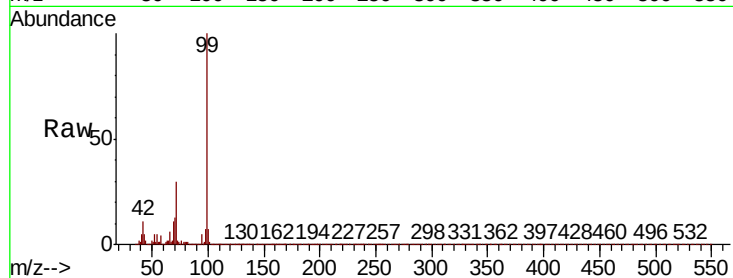
71 30.5 22.6 34.0

Manual Integrations

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#8

2-Chlorophenol

Concen: 49.345 ng

RT: 6.59 min Scan# 1093

Delta R.T. 0.01 min

Lab File: BP000458.D

Acq: 27 Sep 2019 15:31

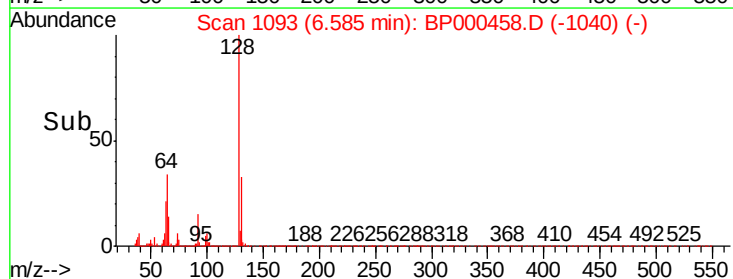
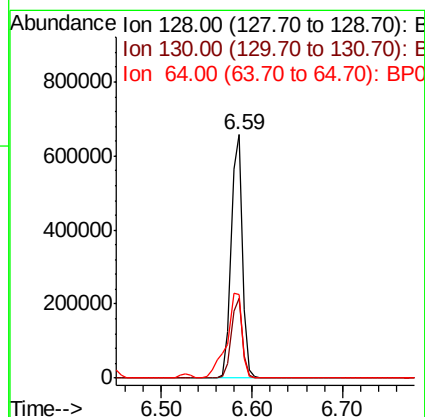
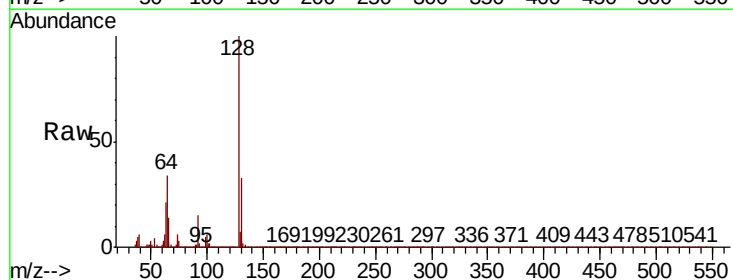
Tgt Ion: 128 Resp: 556183

Ion Ratio Lower Upper

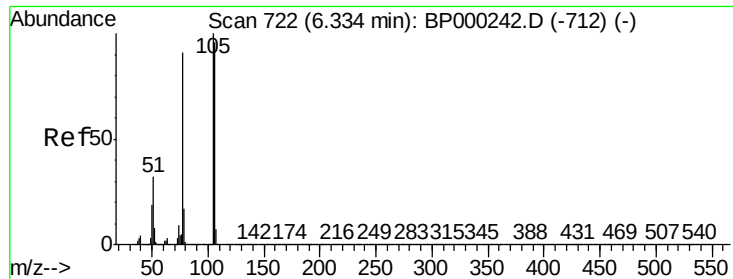
128 100

130 33.0 12.5 52.5

64 34.4 16.0 56.0







#9

Benzaldehyde

Concen: 14.647 ng

RT: 6.34 min Scan# 1051

Delta R.T. 0.00 min

Lab File: BP000458.D

Acq: 27 Sep 2019 15:31

Instrument :

BNA\_P

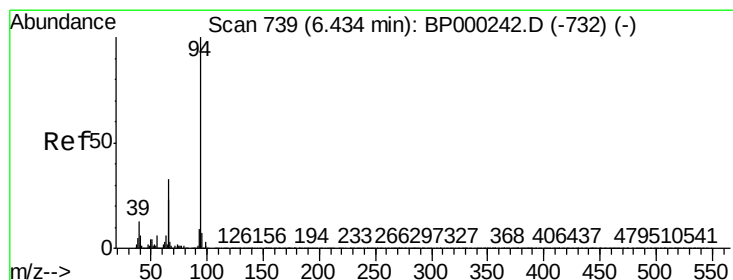
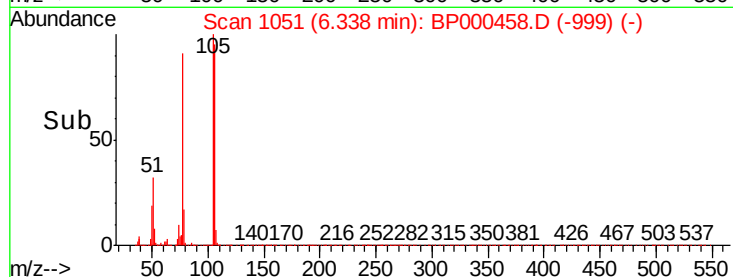
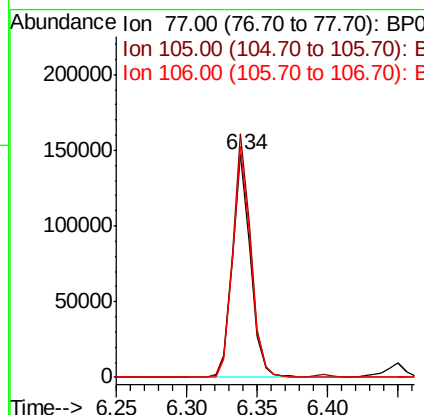
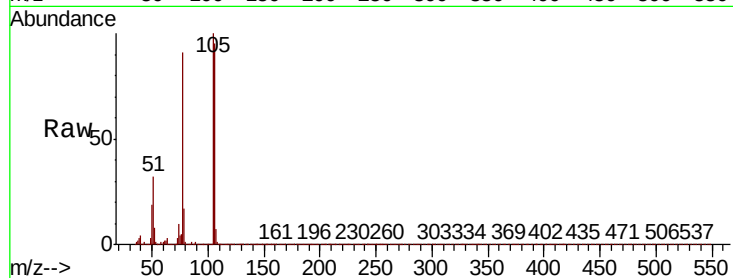
ClientSampleId :

BU-02-092419MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 77    | Resp: | 129713 |
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 105       | 109.4 | 89.6  | 129.6  |
| 106       | 103.7 | 84.6  | 124.6  |

Manual Integrations  
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#10

Phenol

Concen: 46.555 ng

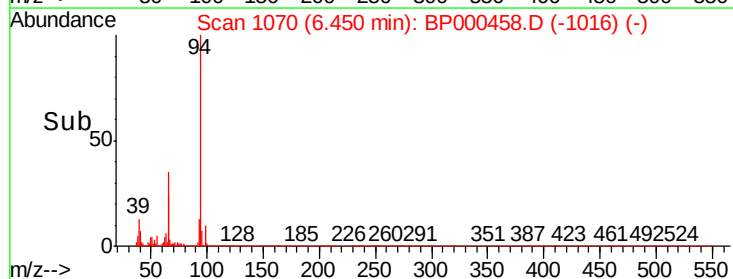
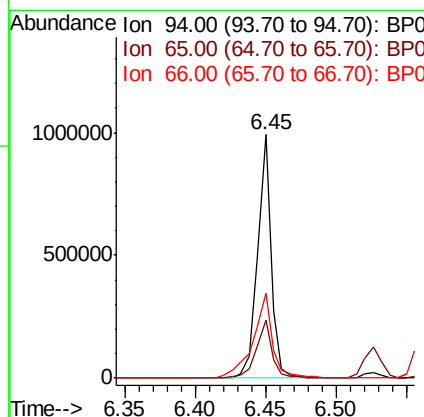
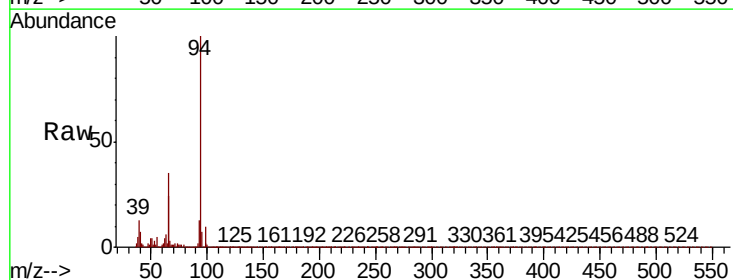
RT: 6.45 min Scan# 1070

Delta R.T. 0.02 min

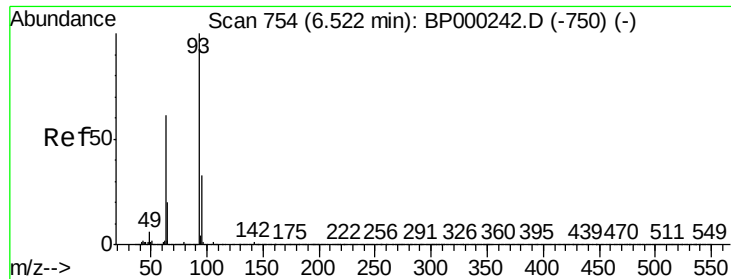
Lab File: BP000458.D

Acq: 27 Sep 2019 15:31

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 94    | Resp: | 678651 |
| Ion Ratio | Lower | Upper |        |
| 94        | 100   |       |        |
| 65        | 24.1  | 3.3   | 43.3   |
| 66        | 34.9  | 12.7  | 52.7   |







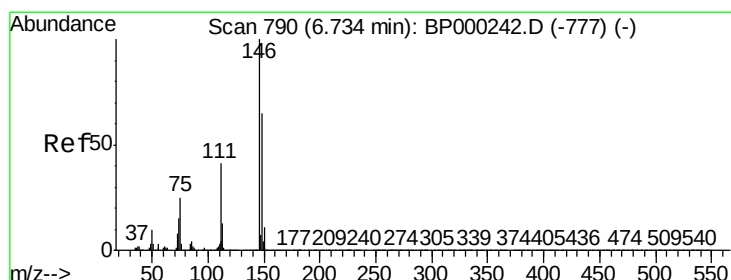
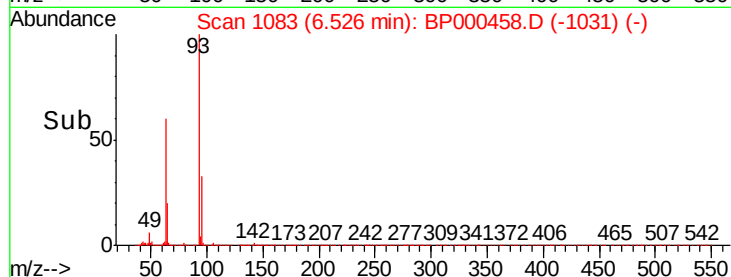
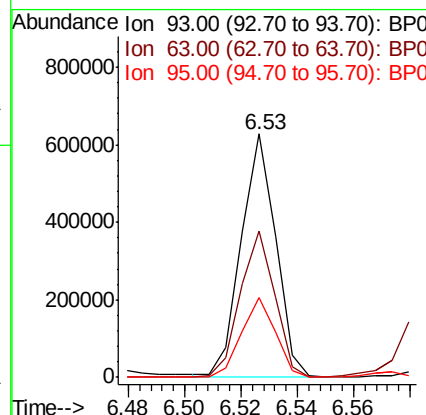
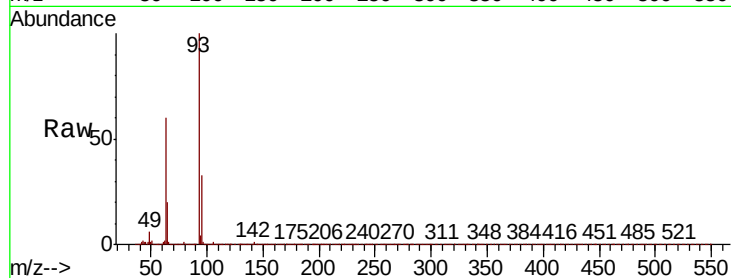
#11  
bis(2-Chloroethyl)ether  
Concen: 47.522 ng  
RT: 6.53 min Scan# 1083  
Delta R.T. 0.00 min  
Lab File: BP000458.D  
Acq: 27 Sep 2019 15:31

Instrument :  
BNA\_P  
ClientSampleId :  
BU-02-092419MSD

| Tot Ion   | 93    | Resp  | 530498 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 63        | 60.2  | 41.0  | 81.0   |
| 95        | 32.5  | 12.7  | 52.7   |

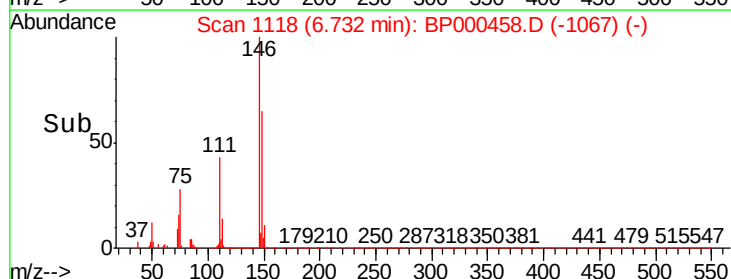
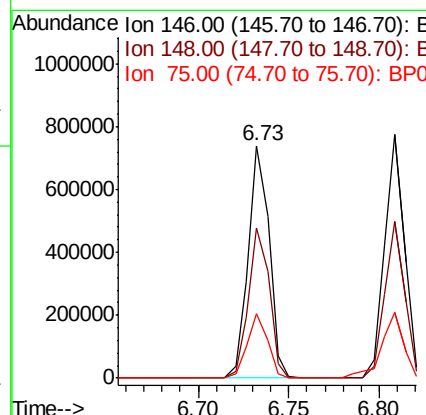
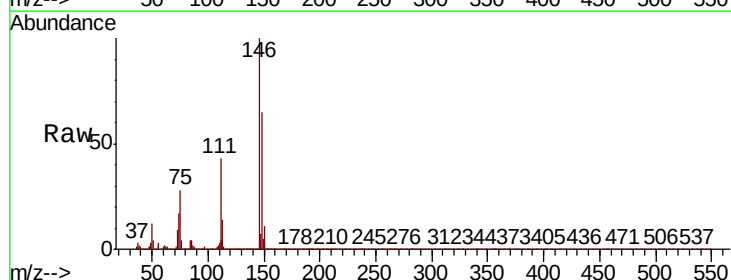
Manual Integrations  
APPROVED

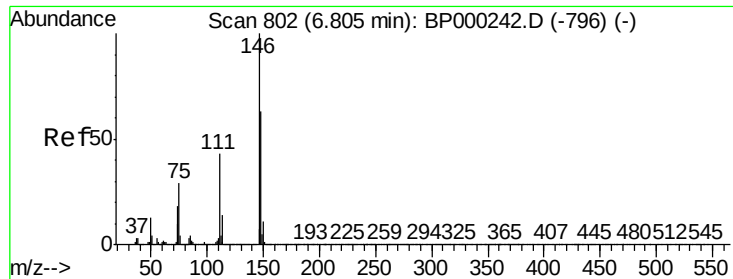
mohammad  
9/30/2019 8:15:06 AM



#12  
1,3-Dichlorobenzene  
Concen: 43.644 ng  
RT: 6.73 min Scan# 1118  
Delta R.T. -0.00 min  
Lab File: BP000458.D  
Acq: 27 Sep 2019 15:31

| Tgt Ion   | 146   | Resp  | 590307 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 64.7  | 52.1  | 78.1   |
| 75        | 28.0  | 20.2  | 30.4   |





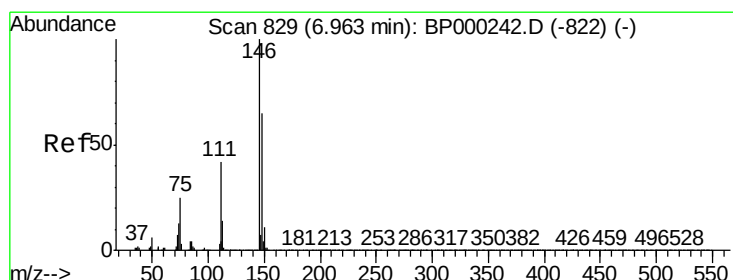
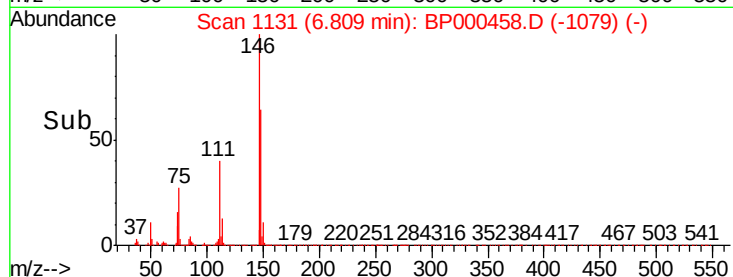
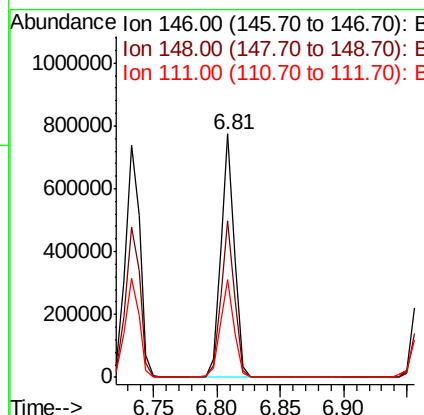
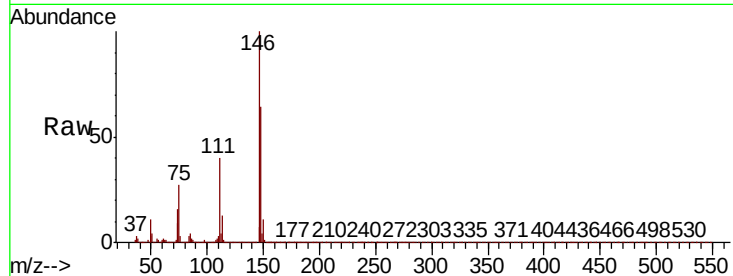
#13  
1,4-Dichlorobenzene  
Concen: 43.722 ng  
RT: 6.81 min Scan# 1131  
Delta R.T. 0.00 min  
Lab File: BP000458.D  
Acq: 27 Sep 2019 15:31

Instrument :  
BNA\_P  
ClientSampleId :  
BU-02-092419MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.2  | 50.7  | 76.1  |
| 111     | 40.3  | 34.1  | 51.1  |

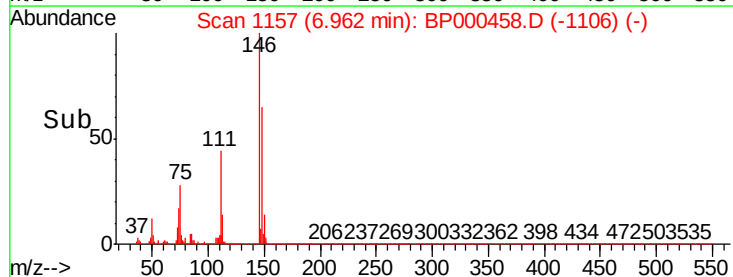
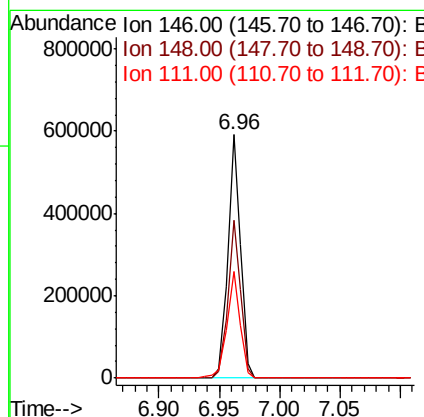
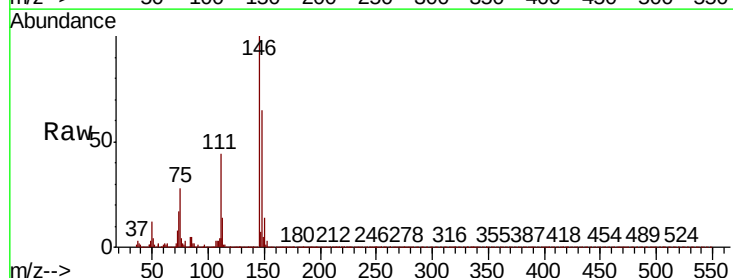
Manual Integrations  
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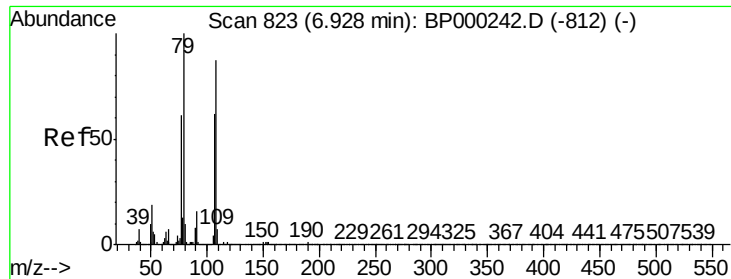
mohammad  
9/30/2019 8:15:06 AM



#14  
1,2-Dichlorobenzene  
Concen: 34.410 ng  
RT: 6.96 min Scan# 1157  
Delta R.T. -0.00 min  
Lab File: BP000458.D  
Acq: 27 Sep 2019 15:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.6  | 51.7  | 77.5  |
| 111     | 43.6  | 33.4  | 50.2  |





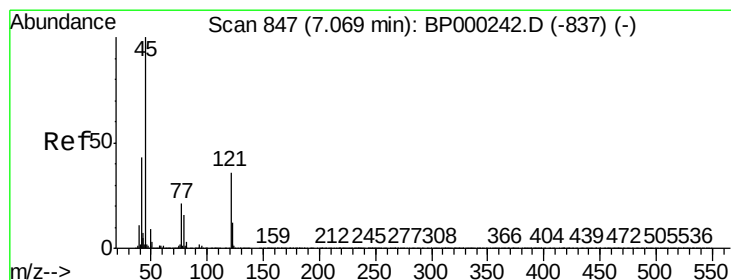
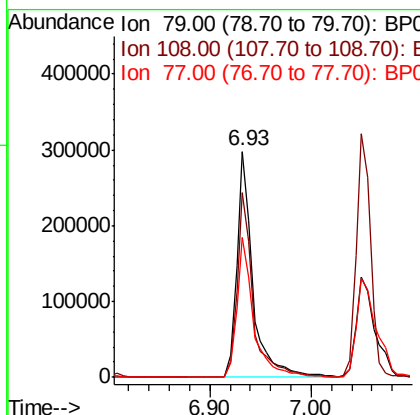
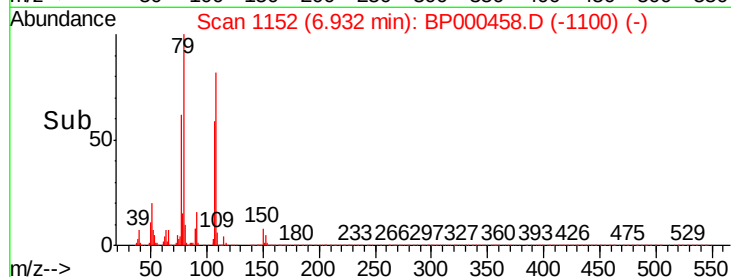
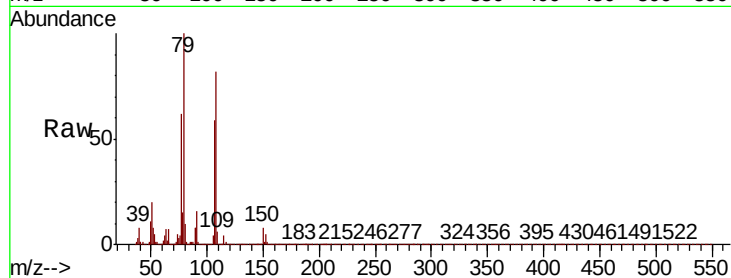
#15  
Benzyl Alcohol  
Concen: 34.834 ng  
RT: 6.93 min Scan# 1152  
Delta R.T. 0.00 min  
Lab File: BP000458.D  
Acq: 27 Sep 2019 15:31

Instrument :  
BNA\_P  
ClientSampleId :  
BU-02-092419MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 108     | 81.8  | 69.2  | 103.8 |
| 77      | 61.7  | 48.7  | 73.1  |

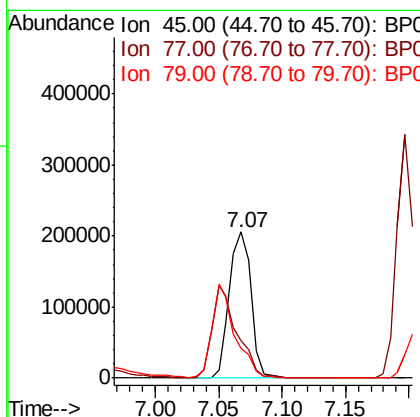
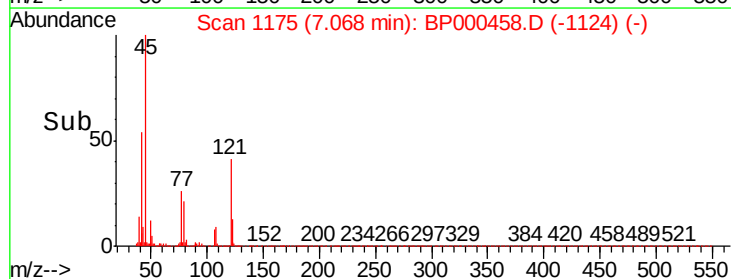
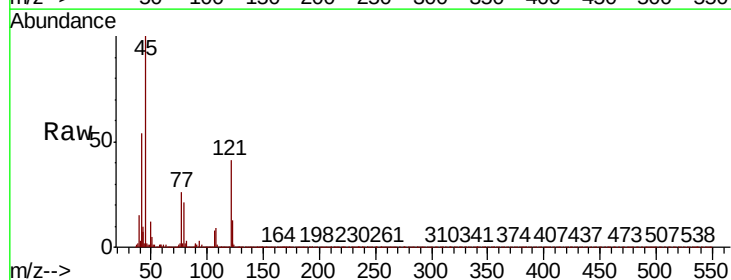
Manual Integrations  
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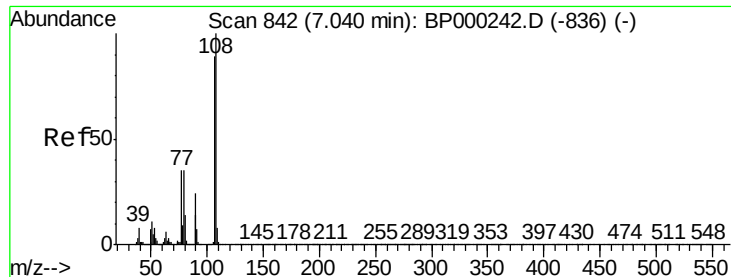
mohammad  
9/30/2019 8:15:06 AM



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 22.887 ng  
RT: 7.07 min Scan# 1175  
Delta R.T. -0.00 min  
Lab File: BP000458.D  
Acq: 27 Sep 2019 15:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 77      | 26.0  | 0.7   | 40.7  |
| 79      | 20.8  | 0.0   | 36.4  |





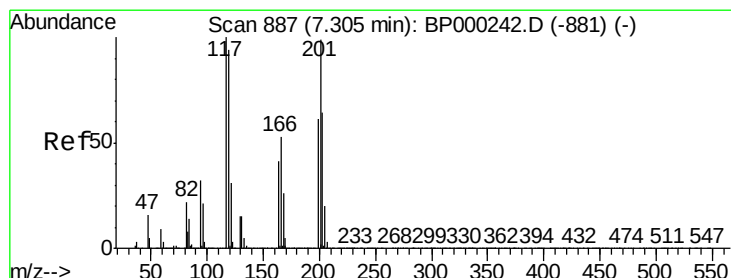
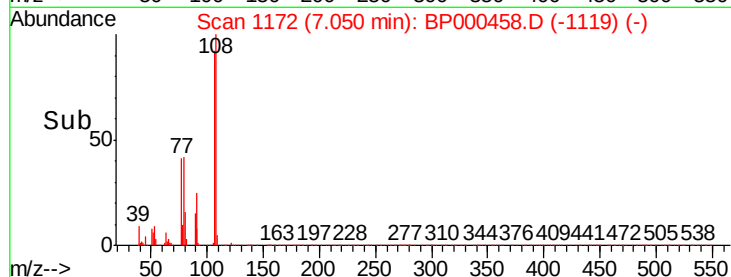
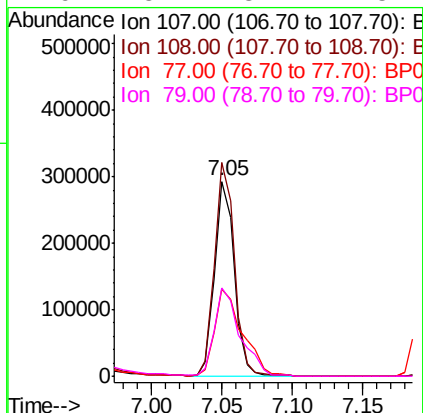
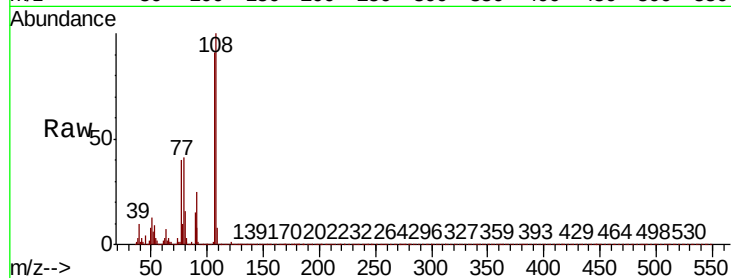
#17  
2-Methylphenol  
Concen: 29.596 ng  
RT: 7.05 min Scan# 1172  
Delta R.T. 0.01 min  
Lab File: BP000458.D  
Acq: 27 Sep 2019 15:31

Instrument :  
BNA\_P  
ClientSampleId :  
BU-02-092419MSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   |      |       |       |
| 108     | 109.7 | 90.1 | 135.1 |       |
| 77      | 44.4  | 31.5 | 47.3  |       |
| 79      | 45.2  | 32.2 | 48.2  |       |

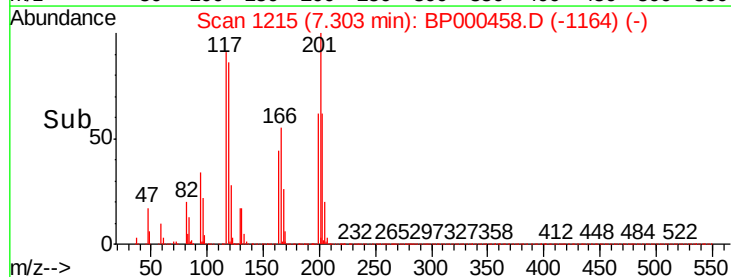
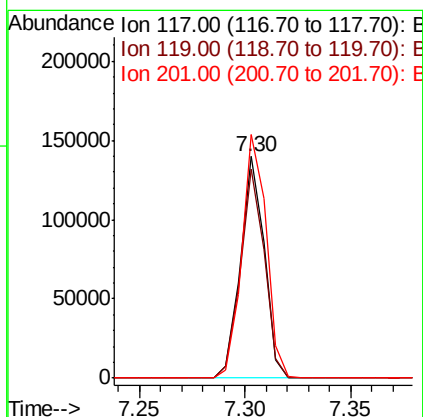
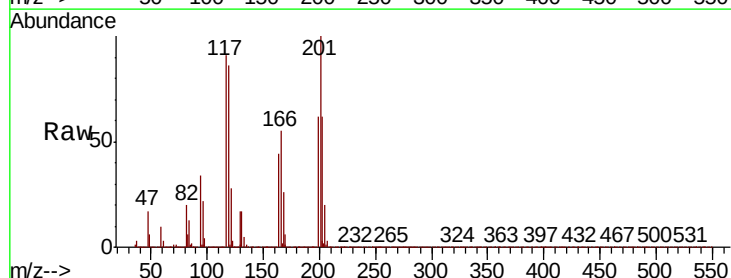
Manual Integrations  
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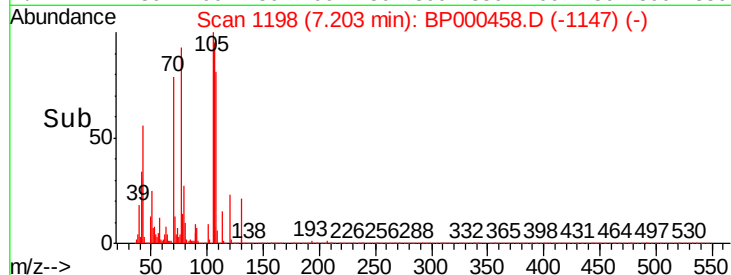
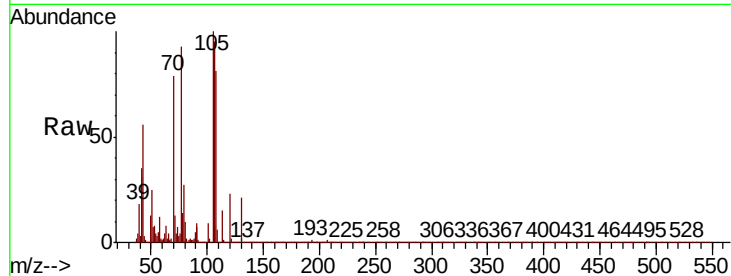
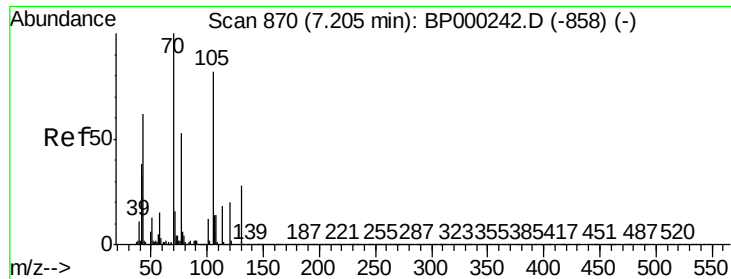
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#18  
Hexachloroethane  
Concen: 21.663 ng  
RT: 7.30 min Scan# 1215  
Delta R.T. -0.00 min  
Lab File: BP000458.D  
Acq: 27 Sep 2019 15:31

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 119     | 94.2  | 75.6 | 113.4 |       |
| 201     | 110.0 | 79.4 | 119.2 |       |





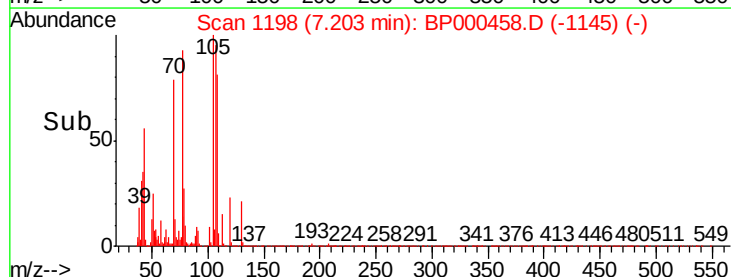
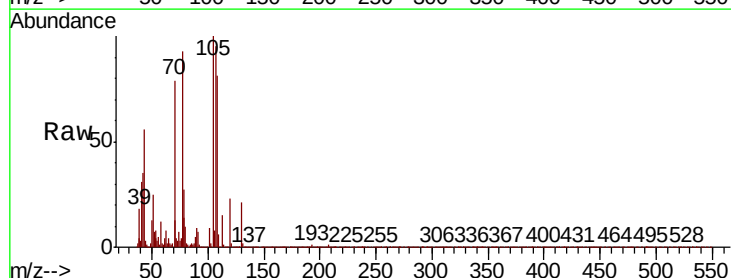
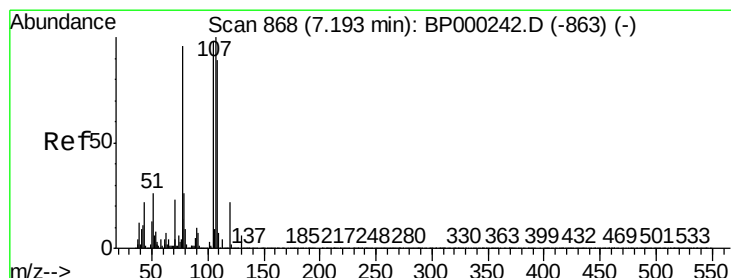
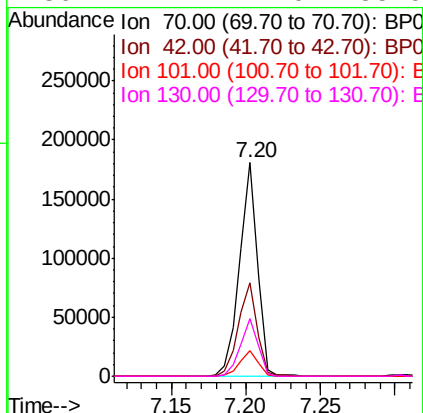
#19  
n-Nitroso-di-n-propylamine  
Concen: 22.513 ng  
RT: 7.20 min Scan# 1198  
Delta R.T. -0.00 min  
Lab File: BP000458.D  
Acq: 27 Sep 2019 15:31

Instrument :  
BNA\_P  
ClientSampleId :  
BU-02-092419MSD

Manual Integrations  
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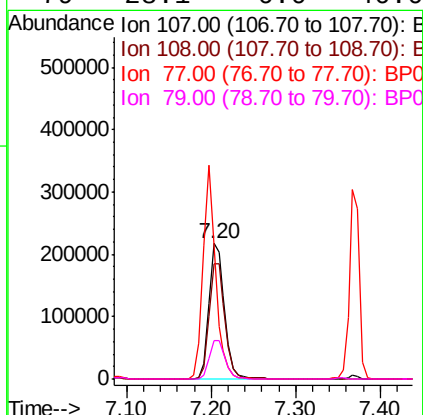
mohammad  
9/30/2019 8:15:06 AM

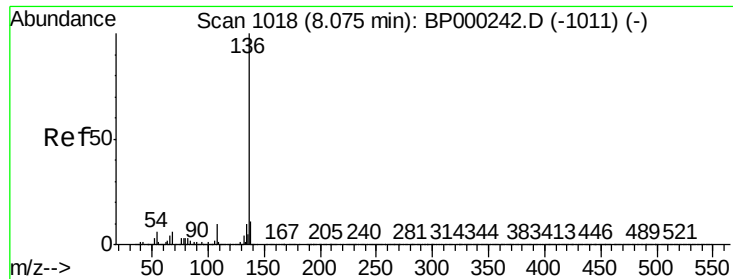
| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 70      | 100  |       |      |       |       |
| 42      | 43.7 | 30.7  | 46.1 |       |       |
| 101     | 12.0 | 9.6   | 14.4 |       |       |
| 130     | 27.1 | 22.0  | 33.0 |       |       |



#20  
3+4-Methylphenols  
Concen: 23.821 ng  
RT: 7.20 min Scan# 1198  
Delta R.T. 0.01 min  
Lab File: BP000458.D  
Acq: 27 Sep 2019 15:31

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 107     | 100  |       |       |       |       |
| 108     | 85.4 | 68.8  | 108.8 |       |       |
| 77      | 97.9 | 75.7  | 115.7 |       |       |
| 79      | 28.1 | 6.0   | 46.0  |       |       |





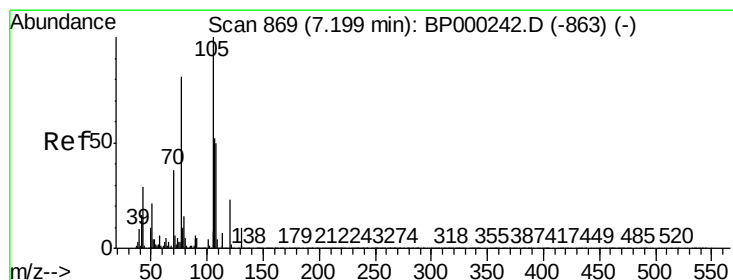
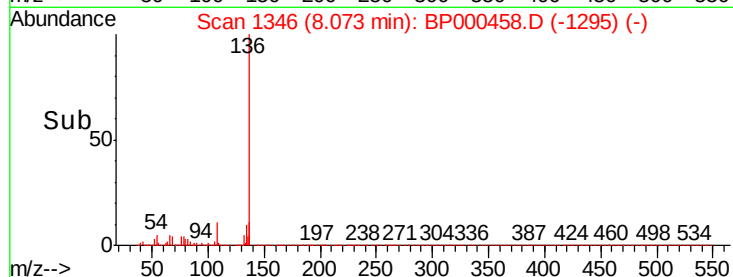
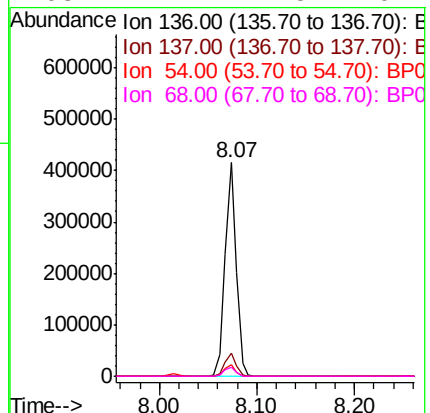
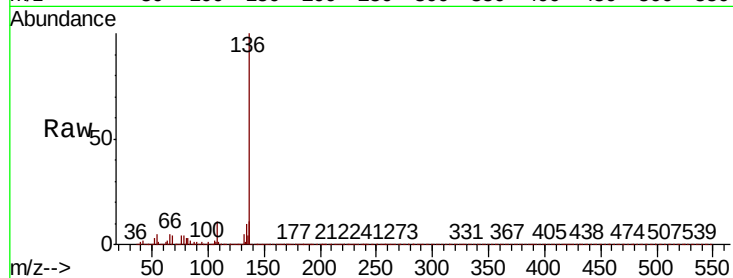
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.07 min Scan# 1346  
Delta R.T. -0.00 min  
Lab File: BP000458.D  
Acq: 27 Sep 2019 15:31

Instrument :  
BNA\_P  
ClientSampleId :  
BU-02-092419MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 136     | 100   | 328089 |       |       |
| 137     | 10.8  |        | 8.6   | 13.0  |
| 54      | 5.4   |        | 4.5   | 6.7   |
| 68      | 4.1   |        | 4.5   | 6.7#  |

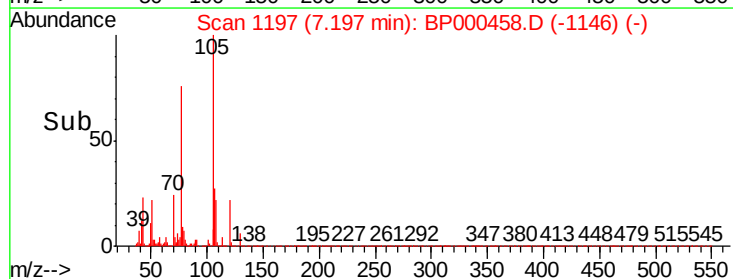
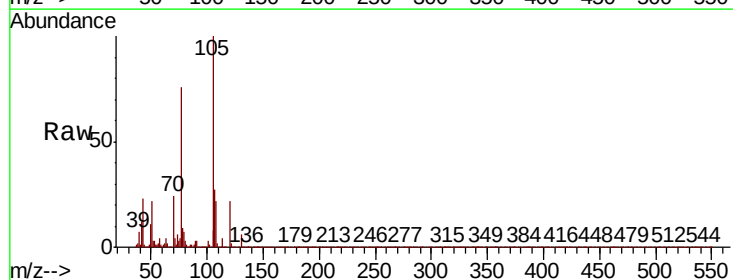
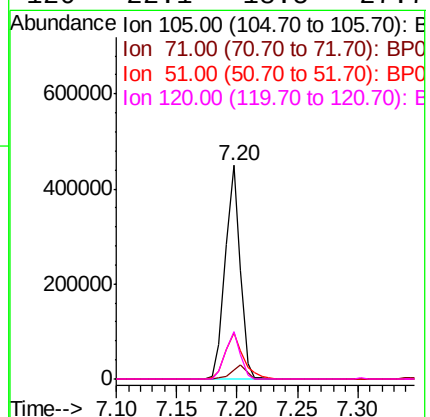
Manual Integrations  
APPROVED

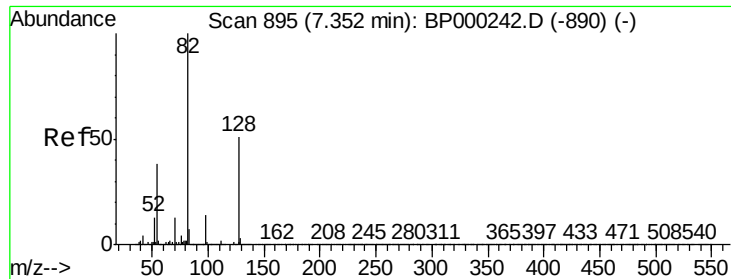
mohammad  
9/30/2019 8:15:06 AM



#22  
Acetophenone  
Concen: 53.819 ng  
RT: 7.20 min Scan# 1197  
Delta R.T. -0.00 min  
Lab File: BP000458.D  
Acq: 27 Sep 2019 15:31

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 382658 |       |       |
| 71      | 4.1   |        | 5.2   | 7.8#  |
| 51      | 21.9  |        | 16.6  | 24.8  |
| 120     | 22.1  |        | 18.5  | 27.7  |





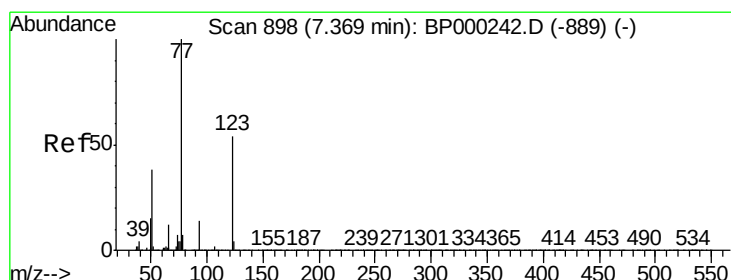
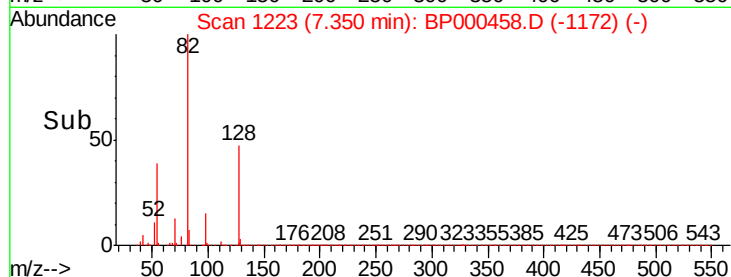
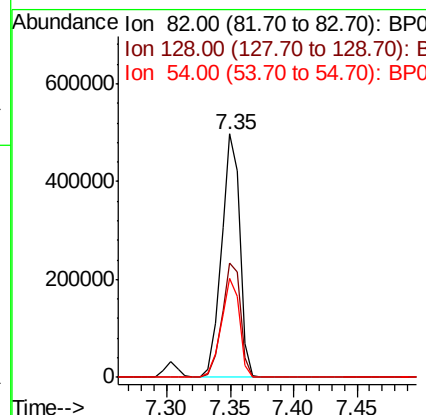
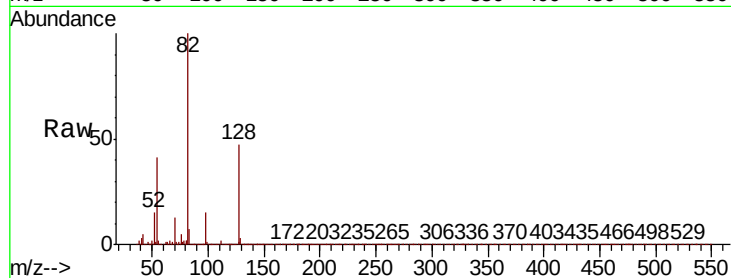
#23  
 Nitrobenzene-d5  
 Concen: 99.587 ng  
 RT: 7.35 min Scan# 1223  
 Delta R.T. -0.00 min  
 Lab File: BP000458.D  
 Acq: 27 Sep 2019 15:31

Instrument :  
 BNA\_P  
 ClientSampleId :  
 BU-02-092419MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 46.8  | 40.7  | 61.1  |
| 54      | 40.9  | 30.1  | 45.1  |

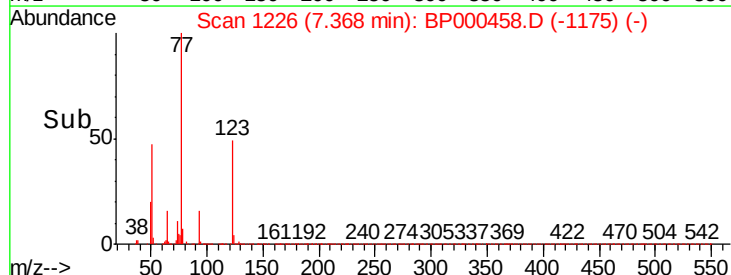
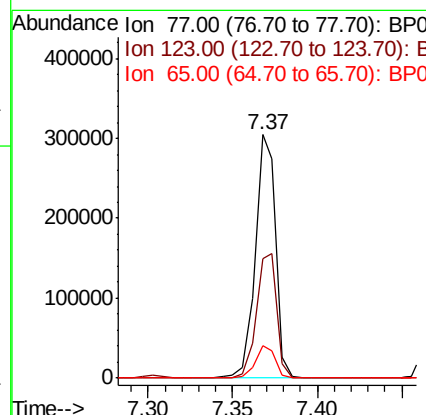
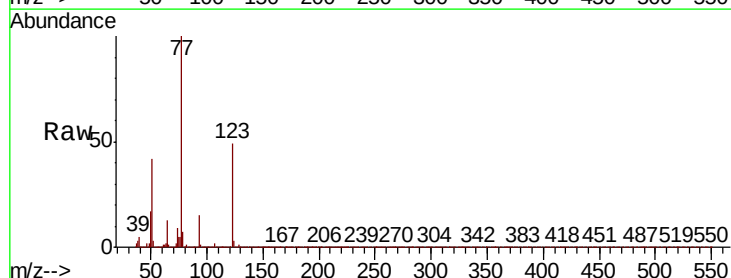
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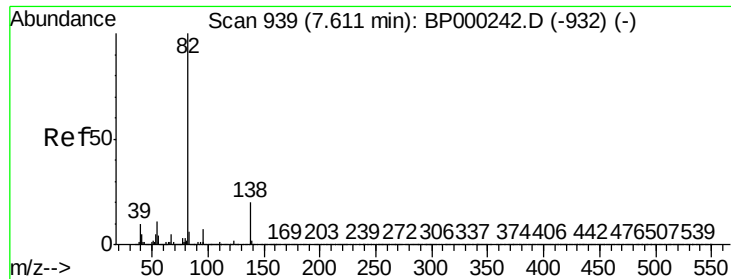


#24  
 Nitrobenzene  
 Concen: 48.271 ng  
 RT: 7.37 min Scan# 1226  
 Delta R.T. -0.00 min  
 Lab File: BP000458.D  
 Acq: 27 Sep 2019 15:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 49.0  | 43.1  | 64.7  |
| 65      | 13.2  | 9.4   | 14.2  |







#25

Isophorone

Concen: 46.027 ng

RT: 7.61 min Scan# 1267

Delta R.T. -0.00 min

Lab File: BP000458.D

Acq: 27 Sep 2019 15:31

Instrument :

BNA\_P

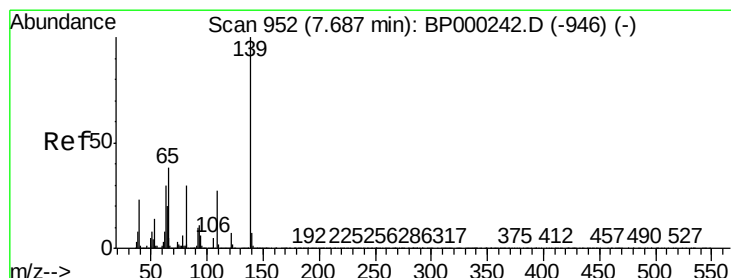
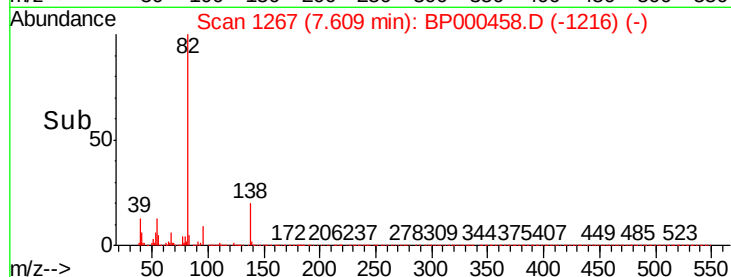
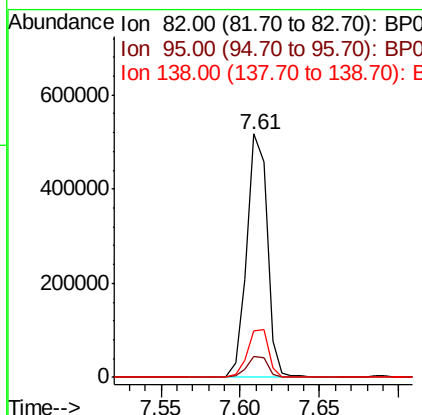
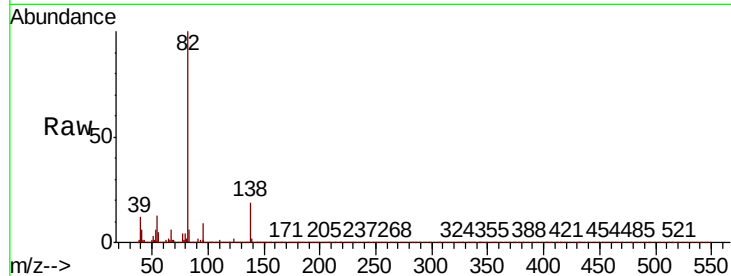
ClientSampleId :

BU-02-092419MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 82    | Resp: | 463459 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 8.6   | 5.9   | 8.9    |
| 138       | 19.1  | 15.9  | 23.9   |

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#26

2-Nitrophenol

Concen: 45.664 ng

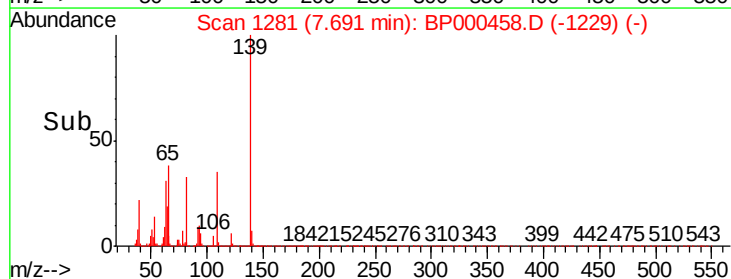
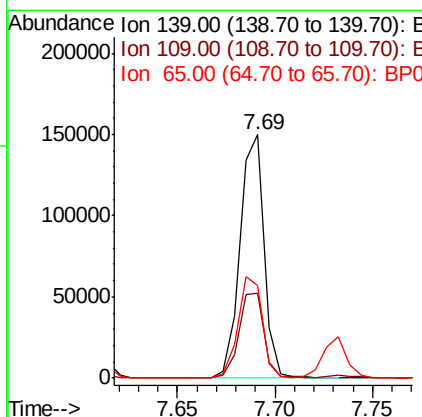
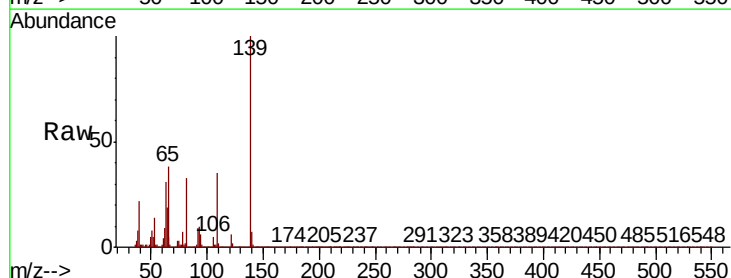
RT: 7.69 min Scan# 1281

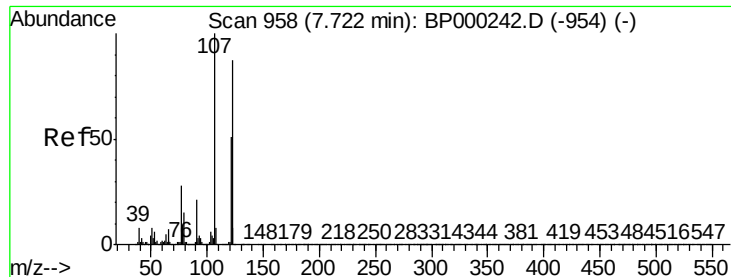
Delta R.T. 0.00 min

Lab File: BP000458.D

Acq: 27 Sep 2019 15:31

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 139   | Resp: | 127863 |
| Ion Ratio | Lower | Upper |        |
| 139       | 100   |       |        |
| 109       | 35.1  | 21.8  | 32.6#  |
| 65        | 38.3  | 30.5  | 45.7   |





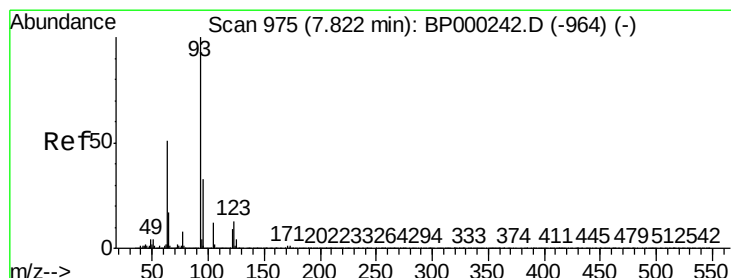
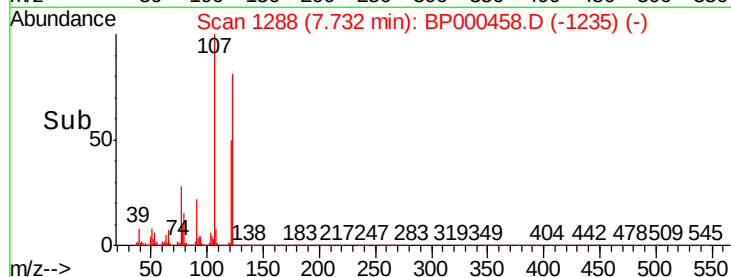
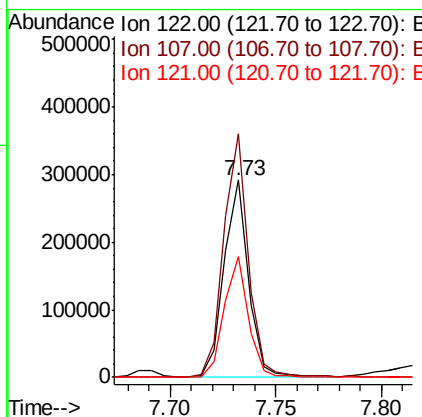
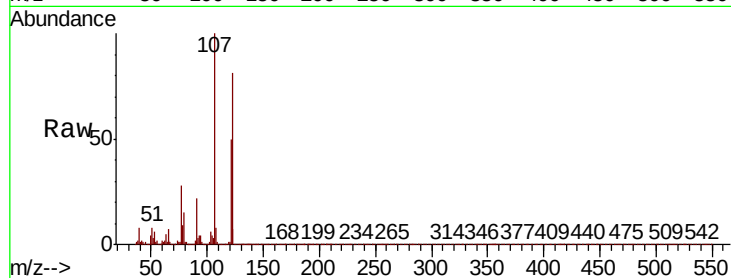
#27  
2,4-Dimethylphenol  
Concen: 52.432 ng  
RT: 7.73 min Scan# 1288  
Delta R.T. 0.01 min  
Lab File: BP000458.D  
Acq: 27 Sep 2019 15:31

Instrument :  
BNA\_P  
ClientSampleId :  
BU-02-092419MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 122     | 100   | 233860 |       |       |
| 107     | 123.6 | 91.5   | 137.3 |       |
| 121     | 61.3  | 46.9   | 70.3  |       |

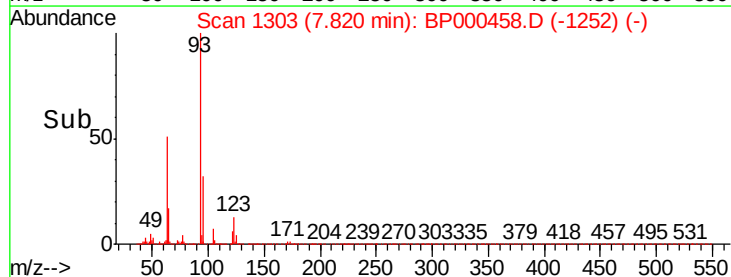
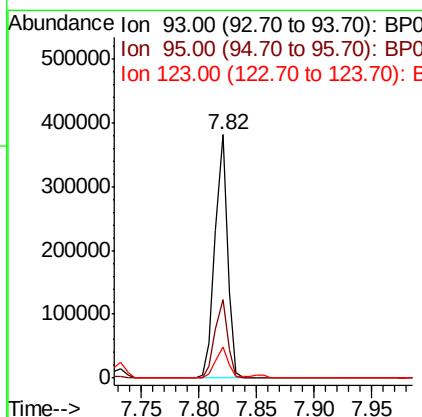
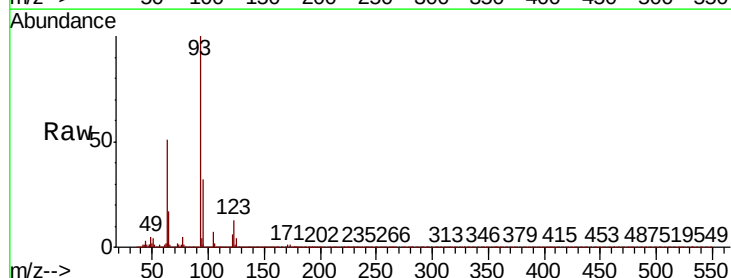
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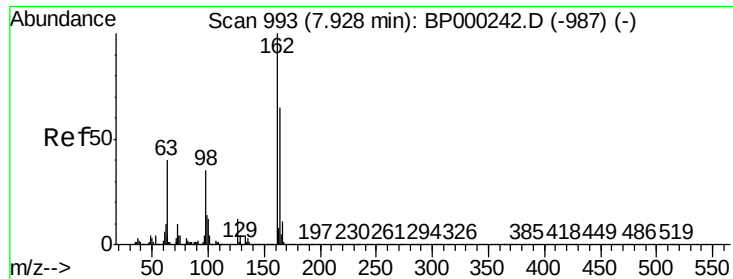
mohammad  
9/30/2019 8:15:06 AM



#28  
bis(2-Chloroethoxy)methane  
Concen: 43.410 ng  
RT: 7.82 min Scan# 1303  
Delta R.T. -0.00 min  
Lab File: BP000458.D  
Acq: 27 Sep 2019 15:31

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 290724 |       |       |
| 95      | 32.3  | 26.2   | 39.4  |       |
| 123     | 12.8  | 10.2   | 15.2  |       |





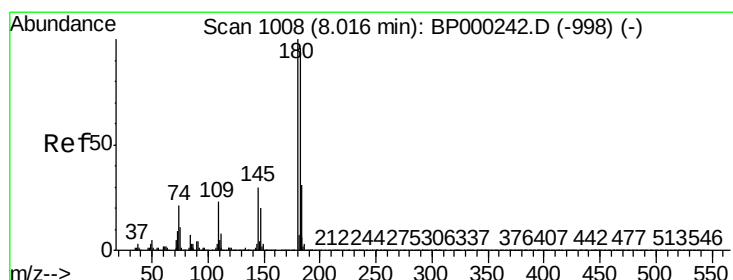
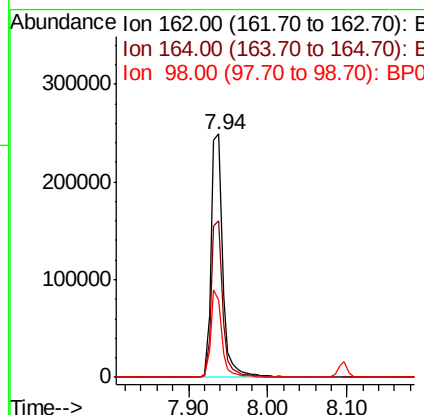
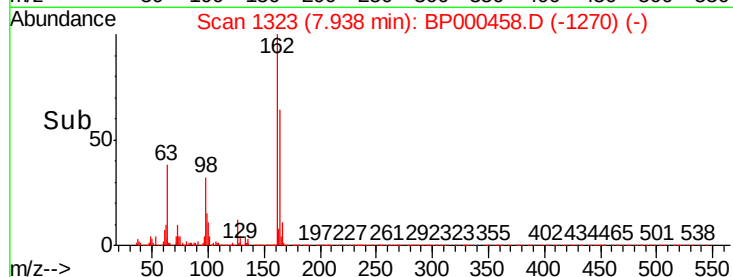
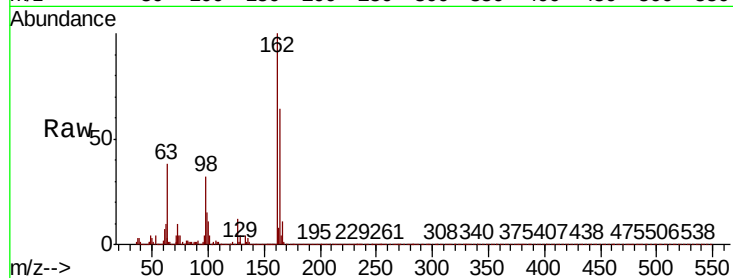
#29  
2,4-Dichlorophenol  
Concen: 52.739 ng  
RT: 7.94 min Scan# 1323  
Delta R.T. 0.01 min  
Lab File: BP000458.D  
Acq: 27 Sep 2019 15:31

Instrument :  
BNA\_P  
ClientSampleId :  
BU-02-092419MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 162     | 100   | 252107 |       |       |
| 164     | 64.4  | 44.5   | 84.5  |       |
| 98      | 31.7  | 15.2   | 55.2  |       |

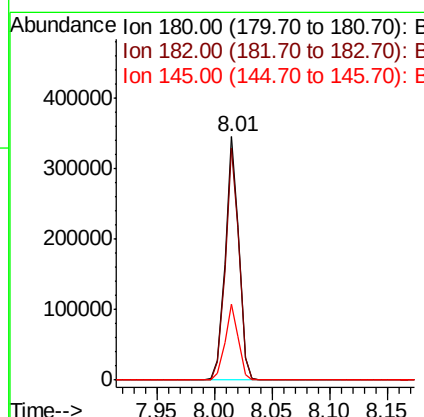
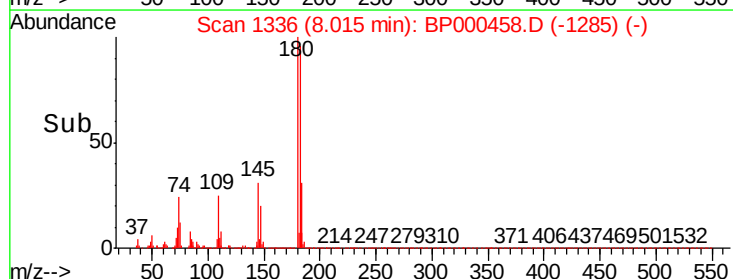
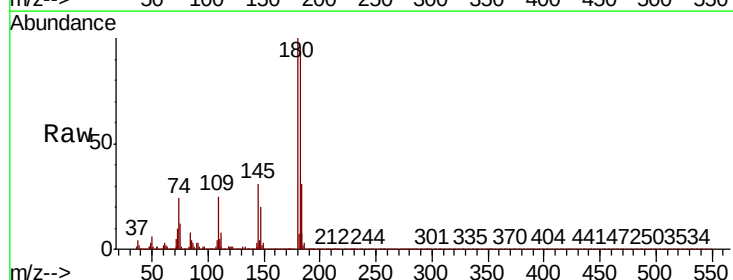
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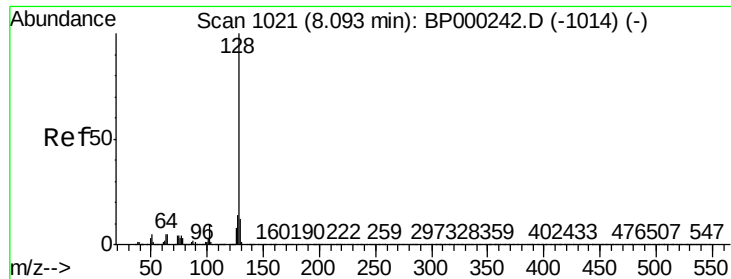
mohammad  
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#30  
1,2,4-Trichlorobenzene  
Concen: 51.256 ng  
RT: 8.01 min Scan# 1336  
Delta R.T. -0.00 min  
Lab File: BP000458.D  
Acq: 27 Sep 2019 15:31

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 280844 |       |       |
| 182     | 95.6  | 77.2   | 115.8 |       |
| 145     | 31.4  | 24.3   | 36.5  |       |





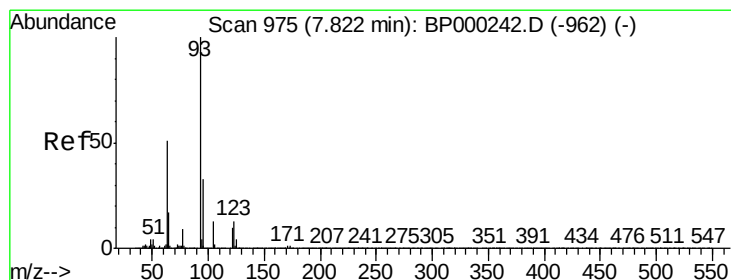
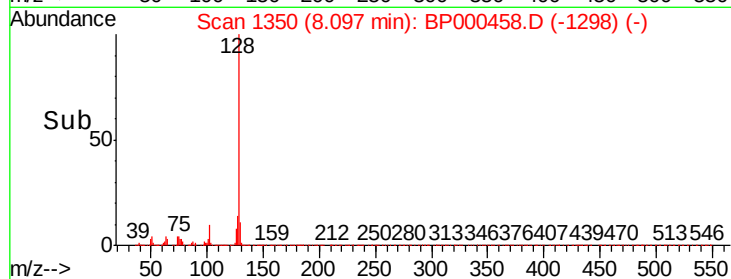
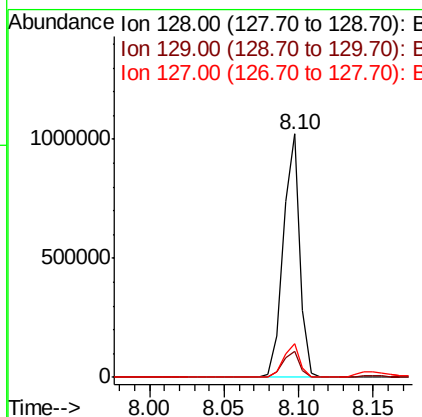
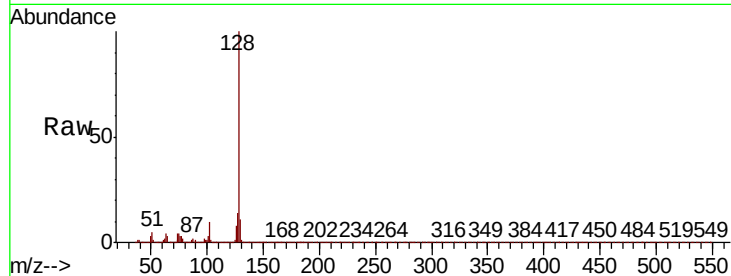
#31  
Naphthalene  
Concen: 52.346 ng  
RT: 8.10 min Scan# 1350  
Delta R.T. 0.00 min  
Lab File: BP000458.D  
Acq: 27 Sep 2019 15:31

Instrument :  
BNA\_P  
ClientSampleId :  
BU-02-092419MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 128     | 100   | 795398 |       |       |
| 129     | 10.9  | 9.2    | 13.8  |       |
| 127     | 13.7  | 11.0   | 16.6  |       |

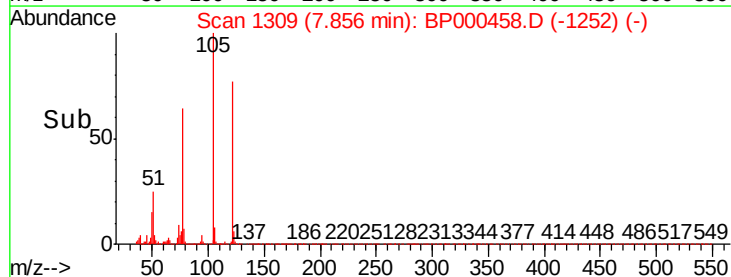
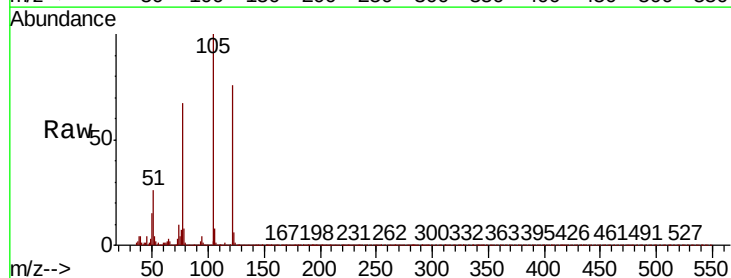
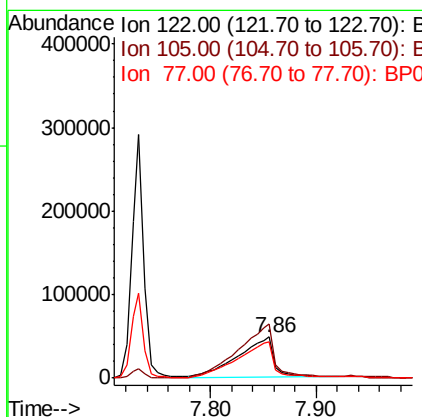
Manual Integrations  
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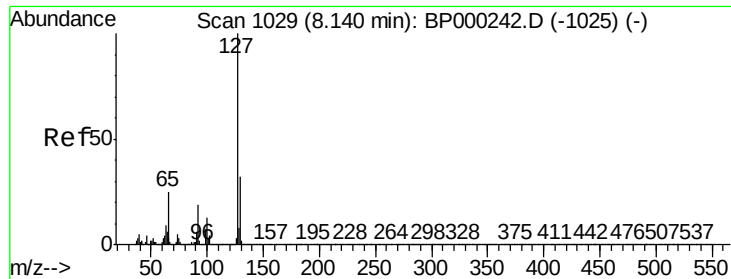
mohammad  
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#32  
Benzoic acid  
Concen: 38.259 ng  
RT: 7.86 min Scan# 1309  
Delta R.T. 0.03 min  
Lab File: BP000458.D  
Acq: 27 Sep 2019 15:31

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 122     | 100   | 115218 |       |       |
| 105     | 130.9 | 105.4  | 145.4 |       |
| 77      | 87.6  | 65.3   | 105.3 |       |





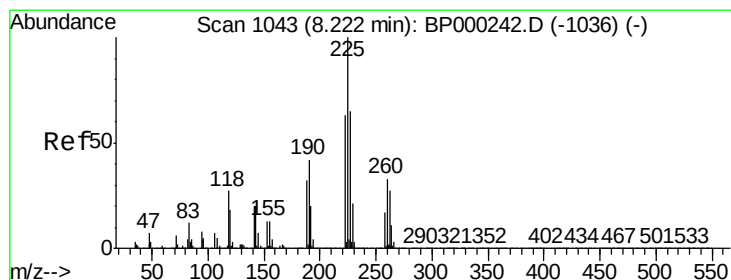
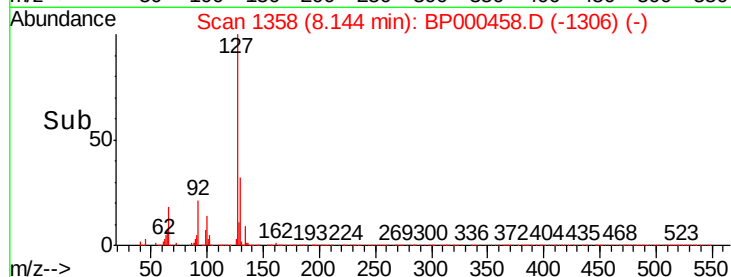
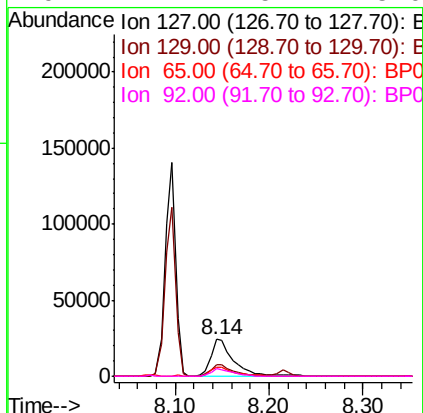
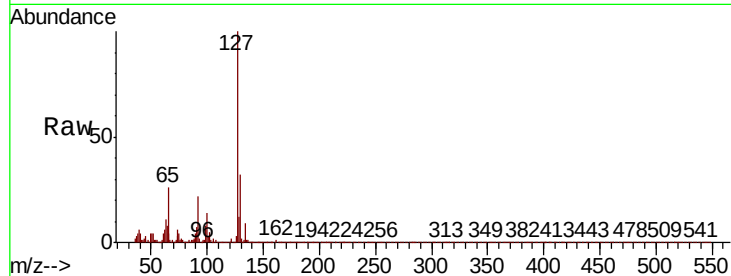
#33  
4-Chloroaniline  
Concen: 5.913 ng  
RT: 8.14 min Scan# 1358  
Delta R.T. 0.00 min  
Lab File: BP000458.D  
Acq: 27 Sep 2019 15:31

Instrument :  
BNA\_P  
ClientSampleId :  
BU-02-092419MSD

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 127     | 100  |       | 40663 |       |       |
| 129     | 32.5 | 25.7  | 38.5  |       |       |
| 65      | 25.7 | 19.9  | 29.9  |       |       |
| 92      | 22.2 | 15.4  | 23.0  |       |       |

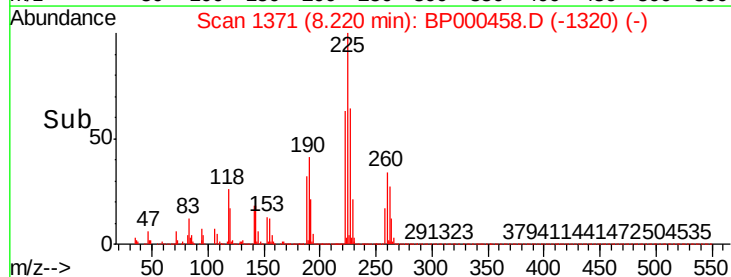
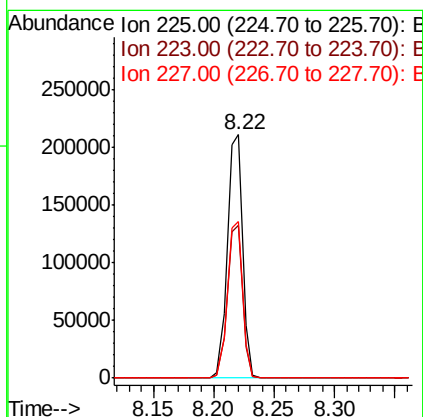
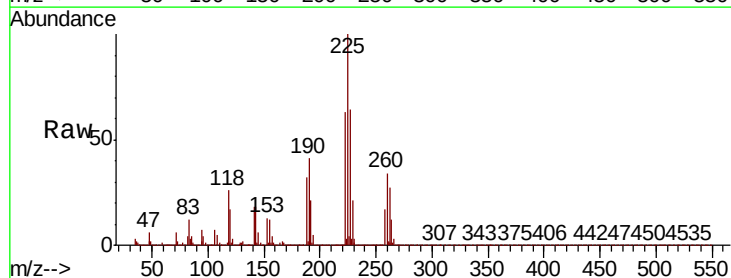
Manual Integrations  
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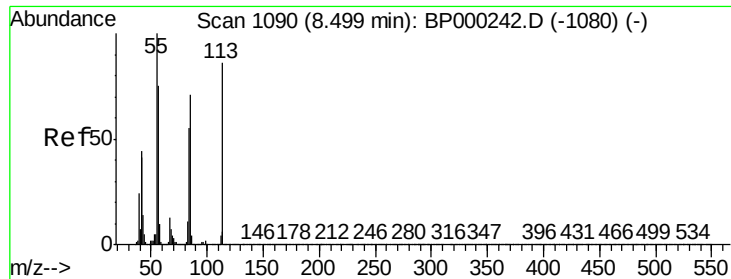
mohammad  
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#34  
Hexachlorobutadiene  
Concen: 56.943 ng  
RT: 8.22 min Scan# 1371  
Delta R.T. -0.00 min  
Lab File: BP000458.D  
Acq: 27 Sep 2019 15:31

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 225     | 100  |       | 184865 |       |       |
| 223     | 62.6 | 50.2  | 75.2   |       |       |
| 227     | 64.3 | 51.8  | 77.6   |       |       |





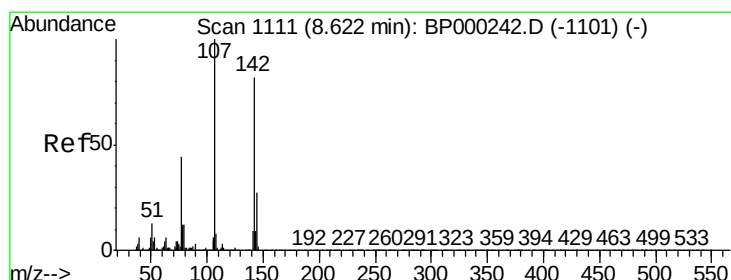
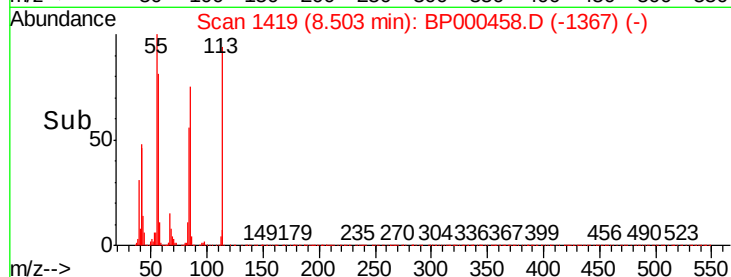
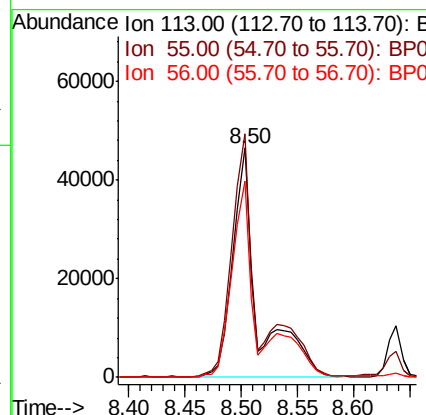
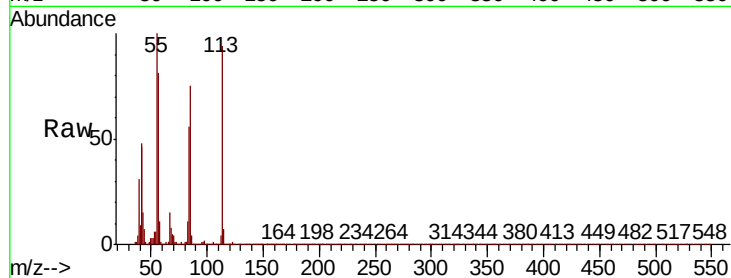
#35  
Caprolactam  
Concen: 44.575 ng/ml  
RT: 8.50 min Scan# 1419  
Delta R.T. 0.00 min  
Lab File: BP000458.D  
Acq: 27 Sep 2019 15:31

Instrument :  
BNA\_P  
ClientSampleId :  
BU-02-092419MSD

| Tot Ion | Ion   | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|-------|
| 113     | 100   |       | 72486 |       |       |
| 55      | 106.1 | 96.8  | 136.8 |       |       |
| 56      | 85.6  | 67.5  | 107.5 |       |       |

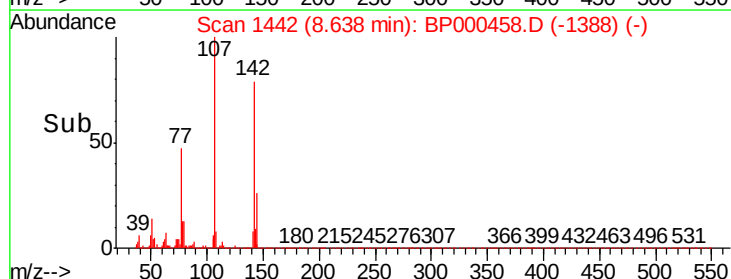
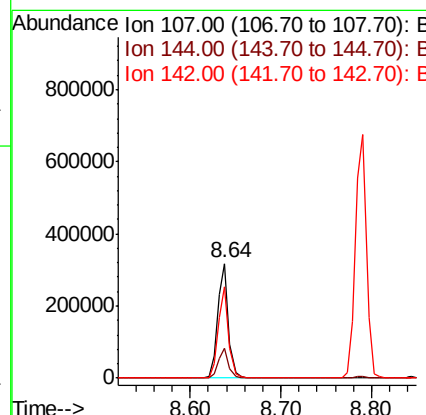
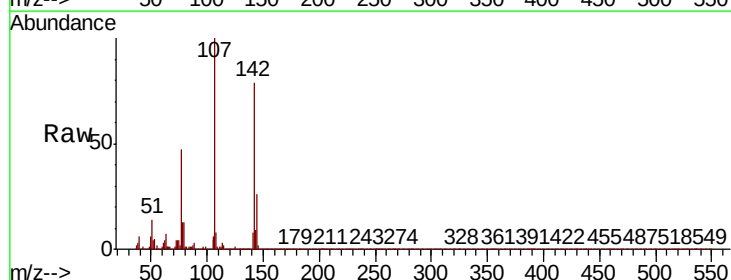
Manual Integrations  
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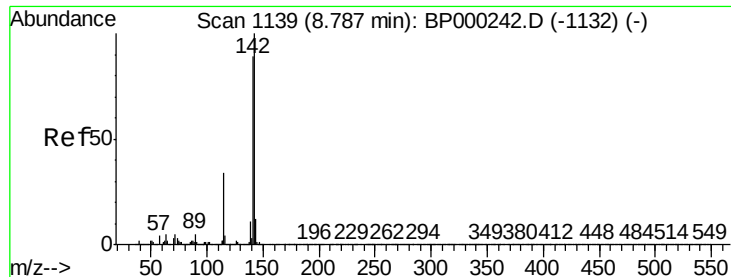
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#36  
4-Chloro-3-methylphenol  
Concen: 53.950 ng  
RT: 8.64 min Scan# 1442  
Delta R.T. 0.02 min  
Lab File: BP000458.D  
Acq: 27 Sep 2019 15:31

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 107     | 100  |       | 261807 |       |       |
| 144     | 25.6 | 21.5  | 32.3   |       |       |
| 142     | 78.9 | 65.7  | 98.5   |       |       |





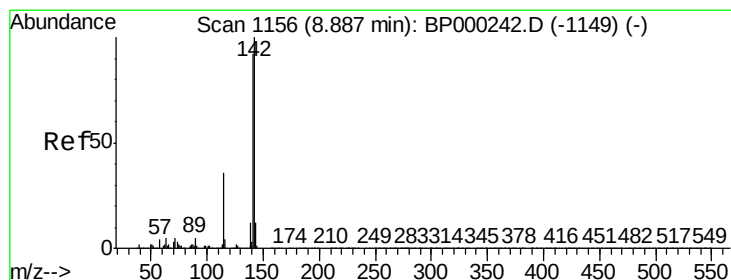
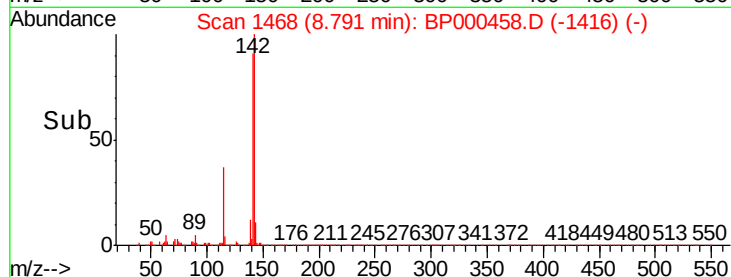
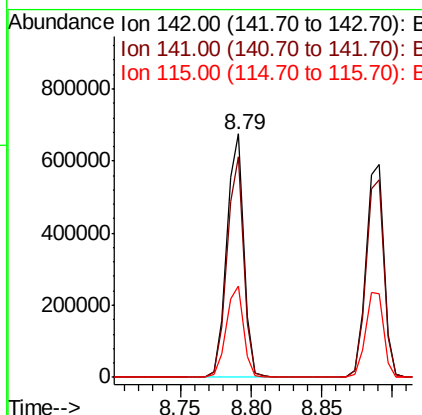
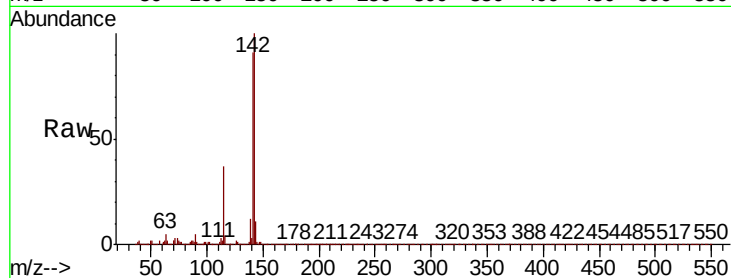
#37  
2-Methylnaphthalene  
Concen: 53.989 ng  
RT: 8.79 min Scan# 1468  
Delta R.T. 0.00 min  
Lab File: BP000458.D  
Acq: 27 Sep 2019 15:31

Instrument :  
BNA\_P  
ClientSampleId :  
BU-02-092419MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 90.7  | 71.3  | 106.9 |
| 115     | 37.4  | 27.2  | 40.8  |

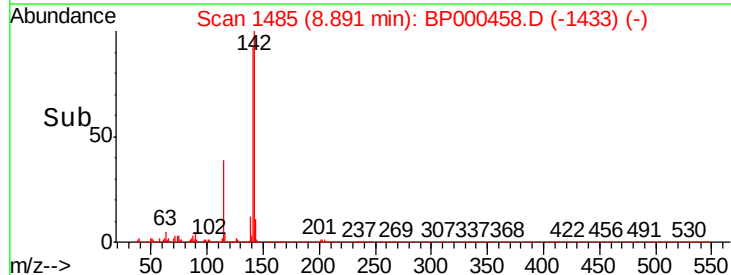
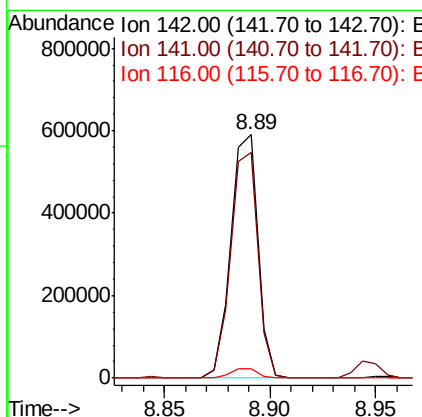
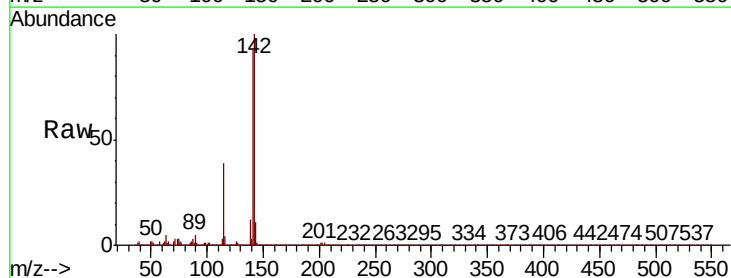
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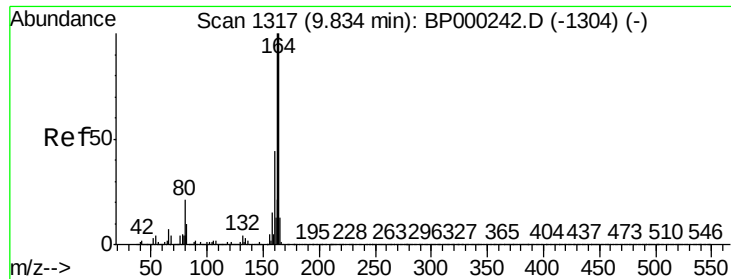


#38  
1-Methylnaphthalene  
Concen: 53.512 ng  
RT: 8.89 min Scan# 1485  
Delta R.T. 0.00 min  
Lab File: BP000458.D  
Acq: 27 Sep 2019 15:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 92.5  | 73.9  | 110.9 |
| 116     | 4.1   | 3.0   | 4.6   |







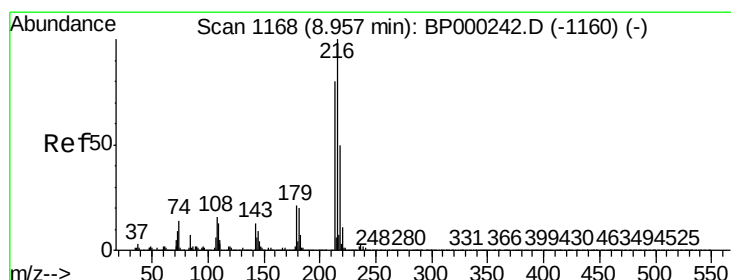
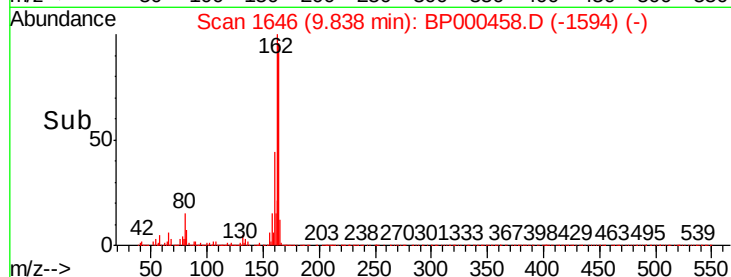
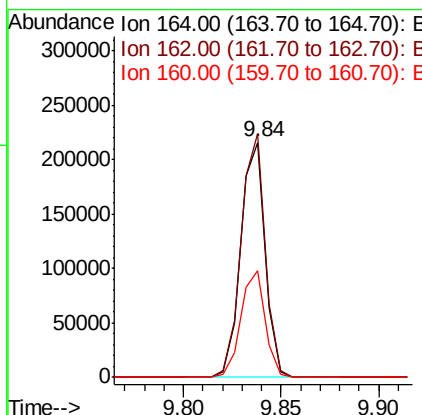
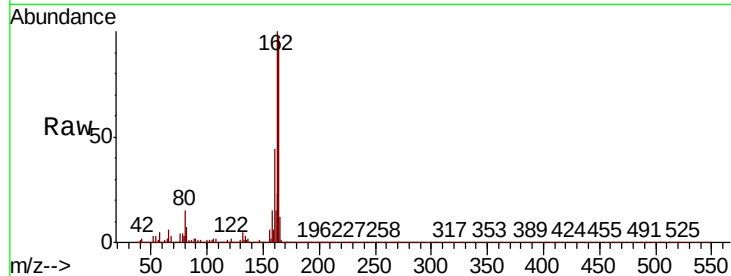
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.84 min Scan# 1646  
Delta R.T. 0.00 min  
Lab File: BP000458.D  
Acq: 27 Sep 2019 15:31

Instrument :  
BNA\_P  
ClientSampleId :  
BU-02-092419MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.6 | 79.9  | 119.9 |
| 160     | 45.5  | 35.6  | 53.4  |

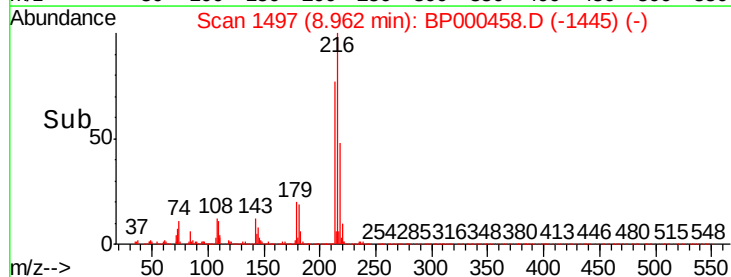
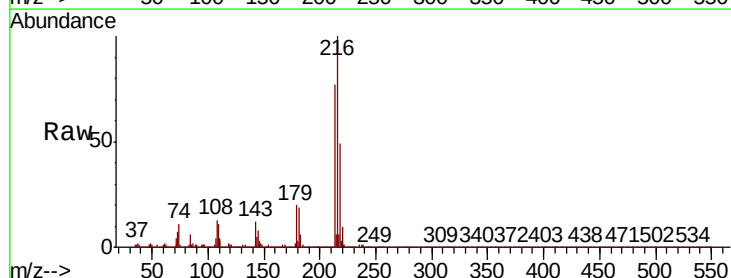
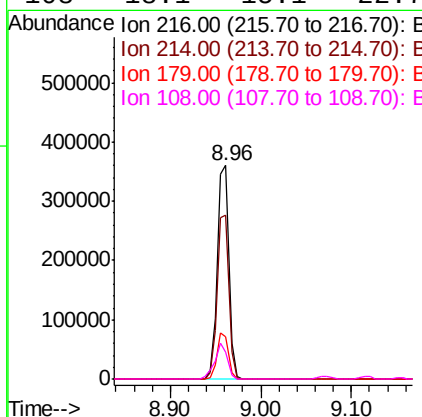
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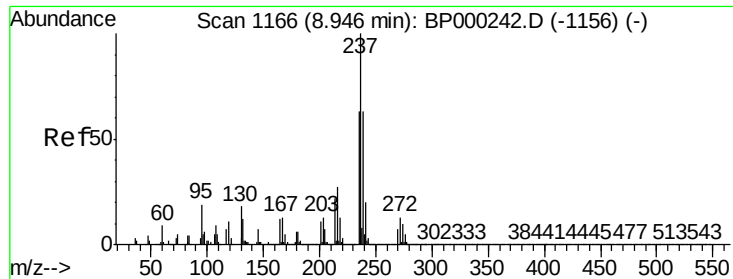
mohammad  
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#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 59.331 ng  
RT: 8.96 min Scan# 1497  
Delta R.T. 0.00 min  
Lab File: BP000458.D  
Acq: 27 Sep 2019 15:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 216     | 100   |       |       |
| 214     | 77.9  | 63.6  | 95.4  |
| 179     | 21.0  | 17.0  | 25.4  |
| 108     | 18.1  | 15.1  | 22.7  |





#41

Hexachlorocyclopentadiene

Concen: 95.743 ng

RT: 8.95 min Scan# 1495

Delta R.T. 0.00 min

Lab File: BP000458.D

Acq: 27 Sep 2019 15:31

Instrument :

BNA\_P

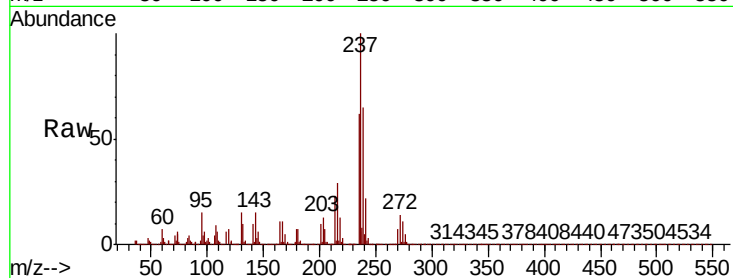
ClientSampleId :

BU-02-092419MSD

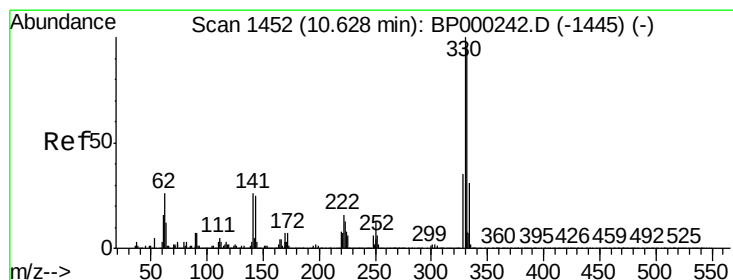
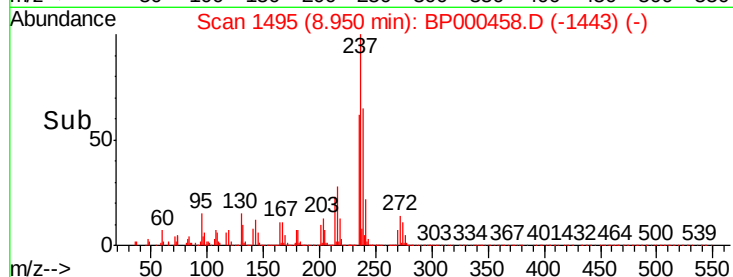
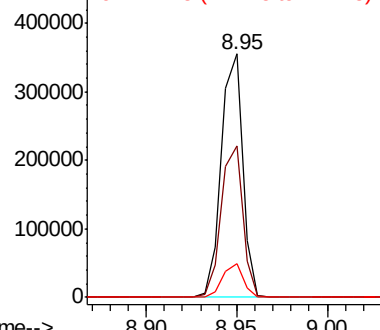
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 237   | Resp: | 291480 |
| Ion Ratio | Lower | Upper |        |
| 237       | 100   |       |        |
| 235       | 62.1  | 43.5  | 83.5   |
| 272       | 13.9  | 0.0   | 33.0   |

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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: 202.676 ng

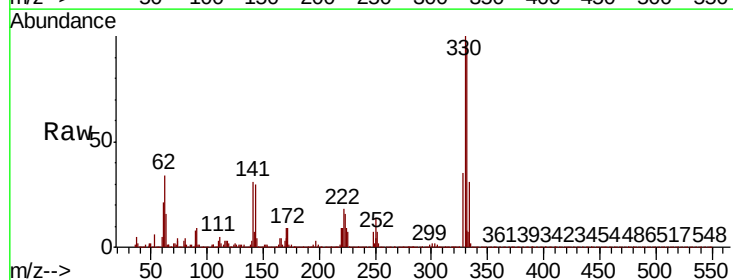
RT: 10.63 min Scan# 1781

Delta R.T. 0.00 min

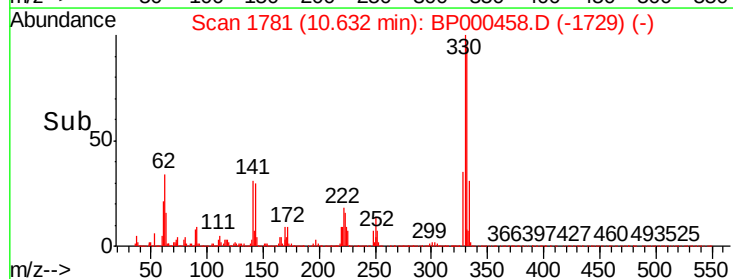
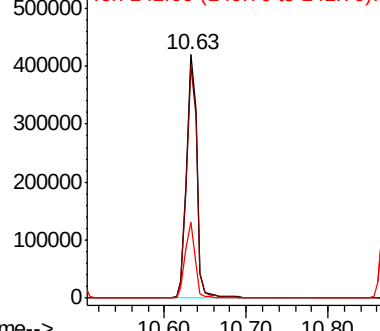
Lab File: BP000458.D

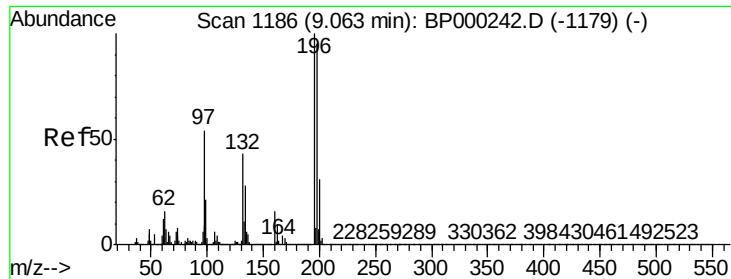
Acq: 27 Sep 2019 15:31

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 330   | Resp: | 372761 |
| Ion Ratio | Lower | Upper |        |
| 330       | 100   |       |        |
| 332       | 96.5  | 76.6  | 115.0  |
| 141       | 29.4  | 26.5  | 39.7   |



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





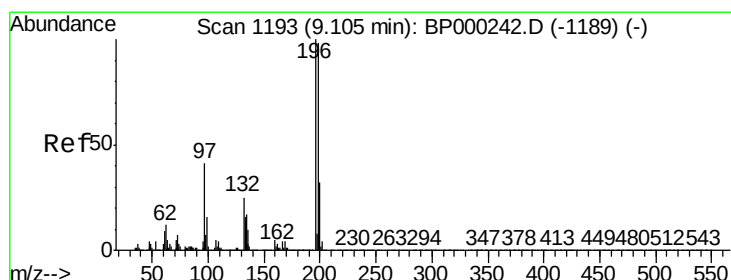
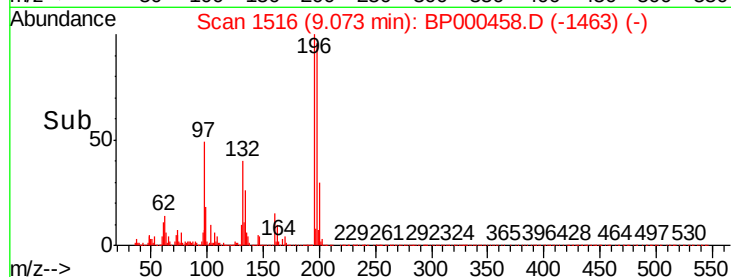
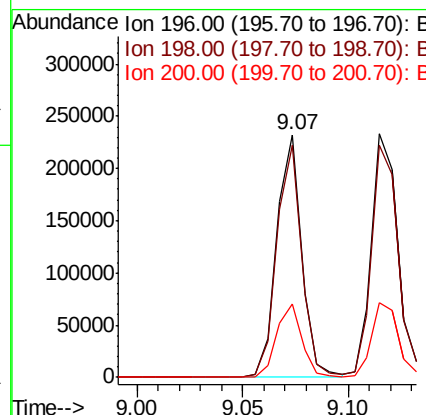
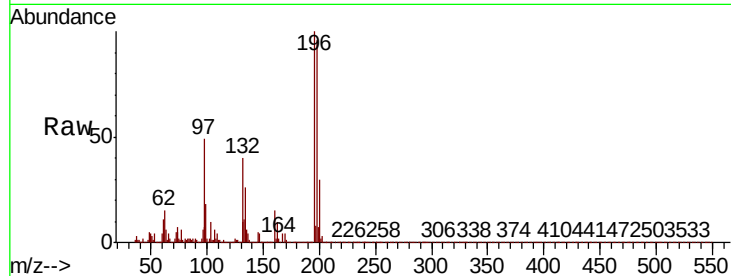
#43  
 2,4,6-Trichlorophenol  
 Concen: 52.145 ng  
 RT: 9.07 min Scan# 1516  
 Delta R.T. 0.01 min  
 Lab File: BP000458.D  
 Acq: 27 Sep 2019 15:31

Instrument :  
 BNA\_P  
 ClientSampleId :  
 BU-02-092419MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 191296 |       |       |
| 198     | 95.6  | 76.0   | 114.0 |       |
| 200     | 30.4  | 24.6   | 37.0  |       |

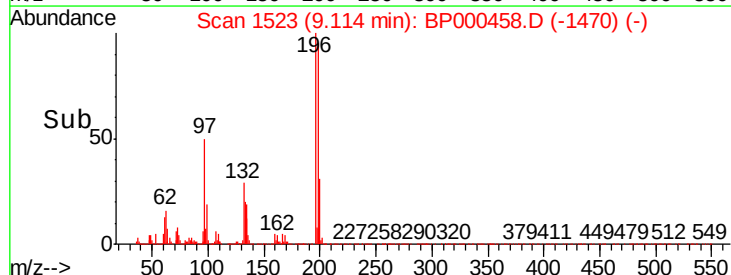
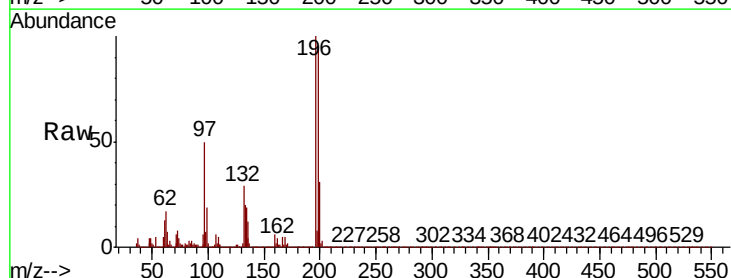
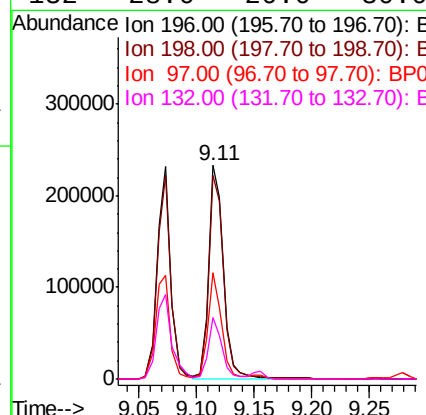
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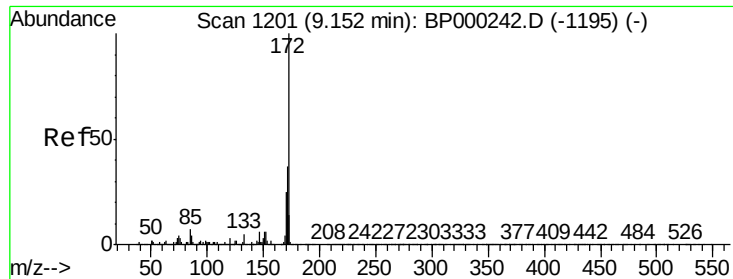
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#44  
 2,4,5-Trichlorophenol  
 Concen: 55.644 ng  
 RT: 9.11 min Scan# 1523  
 Delta R.T. 0.01 min  
 Lab File: BP000458.D  
 Acq: 27 Sep 2019 15:31

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 209026 |       |       |
| 198     | 95.2  | 78.1   | 117.1 |       |
| 97      | 50.0  | 33.3   | 49.9  |       |
| 132     | 28.6  | 20.0   | 30.0  |       |





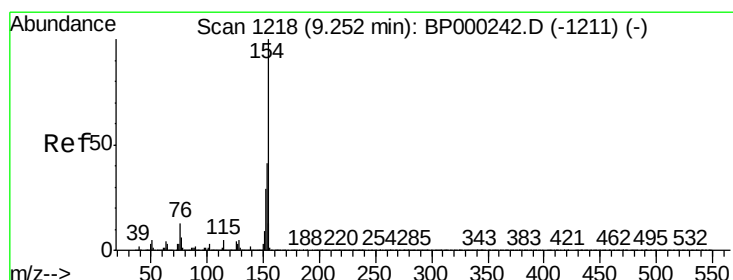
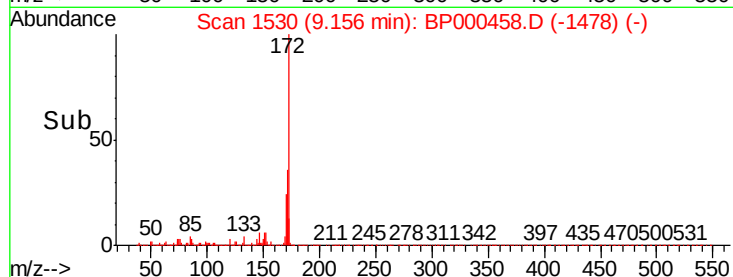
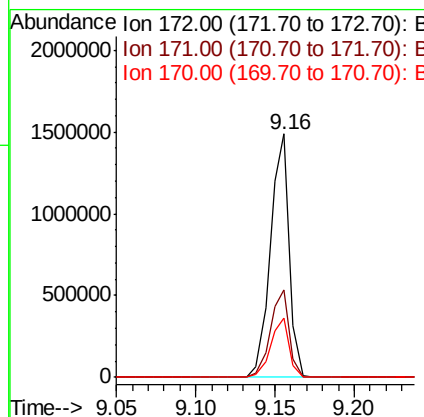
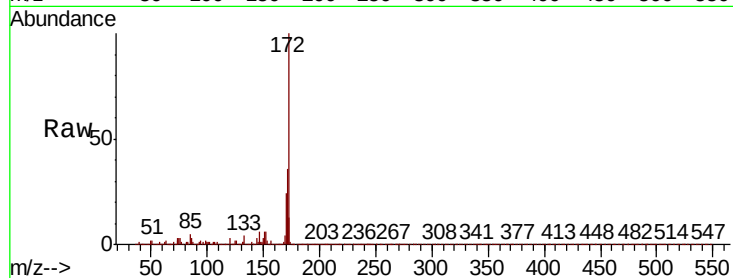
#45  
2-Fluorobiphenyl  
Concen: 120.559 ng  
RT: 9.16 min Scan# 1530  
Delta R.T. 0.00 min  
Lab File: BP000458.D  
Acq: 27 Sep 2019 15:31

Instrument :  
BNA\_P  
ClientSampleId :  
BU-02-092419MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.2  | 29.8  | 44.6  |
| 170     | 24.2  | 19.8  | 29.6  |

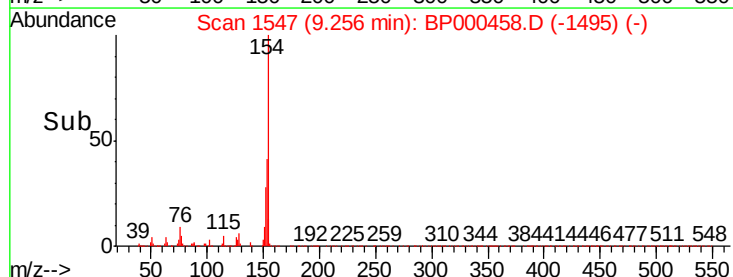
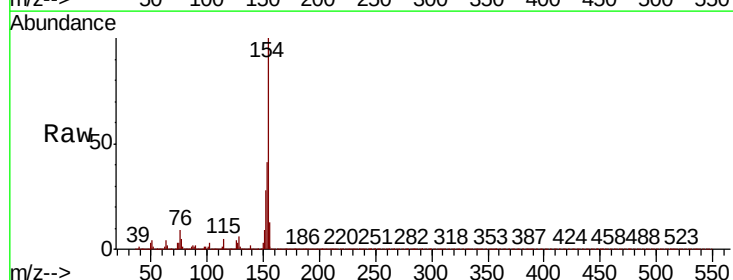
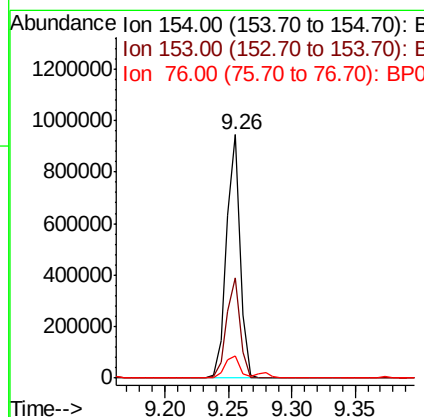
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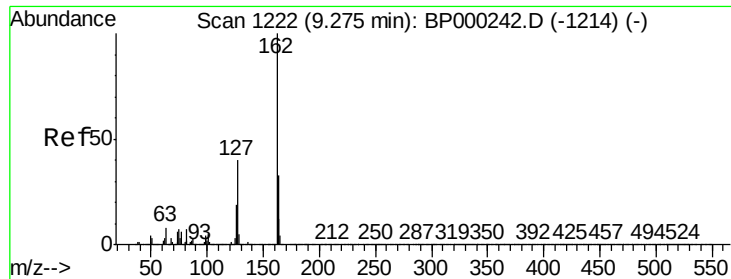
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#46  
1,1'-Biphenyl  
Concen: 54.853 ng  
RT: 9.26 min Scan# 1547  
Delta R.T. 0.00 min  
Lab File: BP000458.D  
Acq: 27 Sep 2019 15:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 41.4  | 21.4  | 61.4  |
| 76      | 9.1   | 0.0   | 33.4  |





#47

2-Chloronaphthalene

Concen: 50.981 ng

RT: 9.28 min Scan# 1551

Delta R.T. 0.00 min

Lab File: BP000458.D

Acq: 27 Sep 2019 15:31

Instrument :

BNA\_P

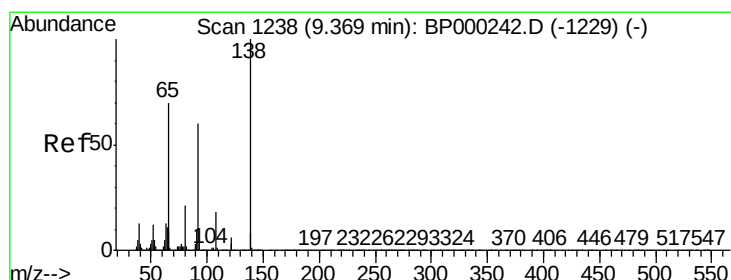
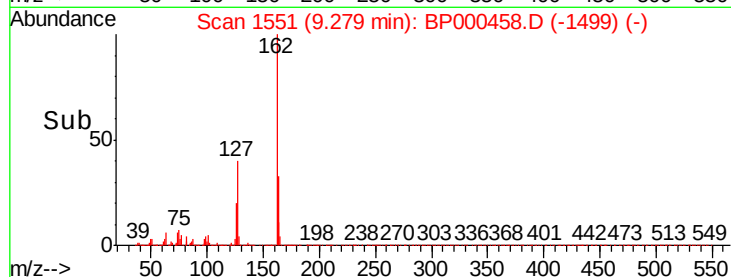
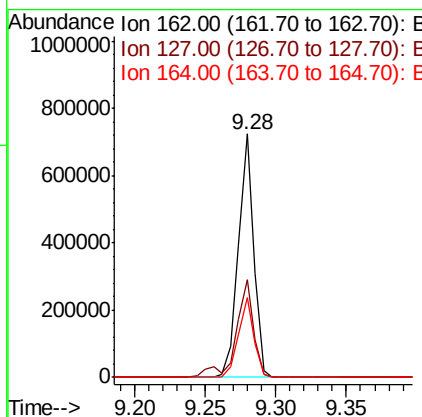
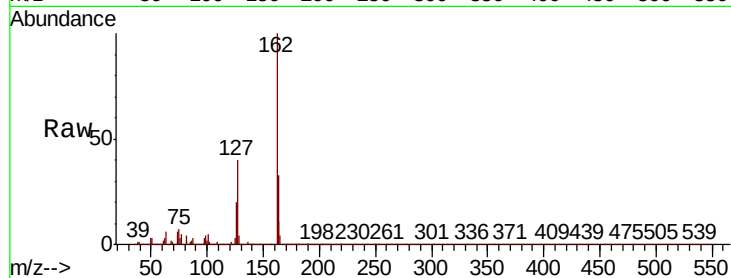
ClientSampleId :

BU-02-092419MSD

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 162     | 100  |       | 548582 |       |       |
| 127     | 40.4 | 32.4  | 48.6   |       |       |
| 164     | 32.6 | 26.3  | 39.5   |       |       |

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#48

2-Nitroaniline

Concen: 43.065 ng

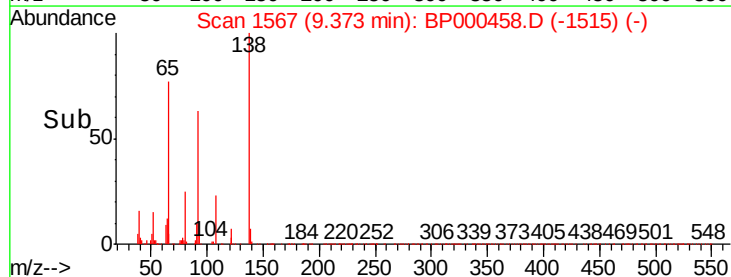
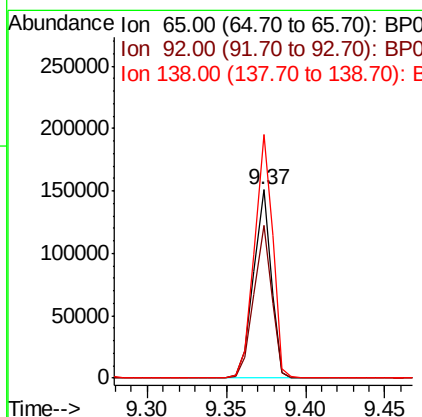
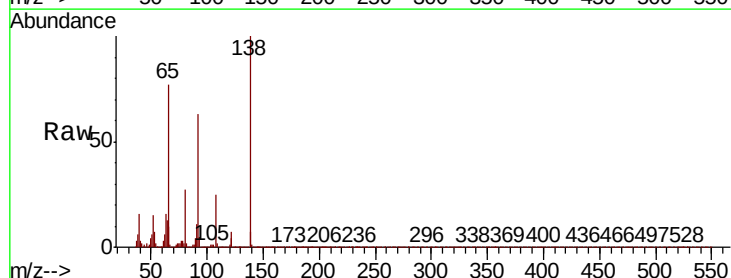
RT: 9.37 min Scan# 1567

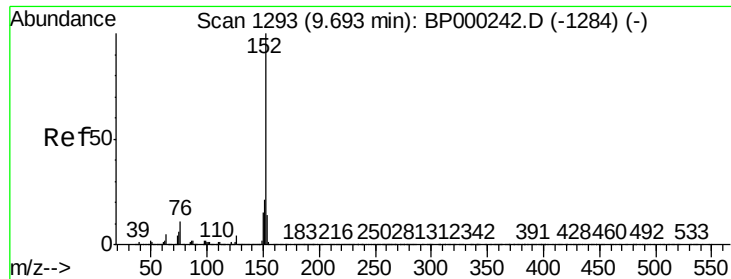
Delta R.T. 0.00 min

Lab File: BP000458.D

Acq: 27 Sep 2019 15:31

| Tgt Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 65      | 100   |       | 117680 |       |       |
| 92      | 81.1  | 68.7  | 103.1  |       |       |
| 138     | 129.4 | 114.4 | 171.6  |       |       |





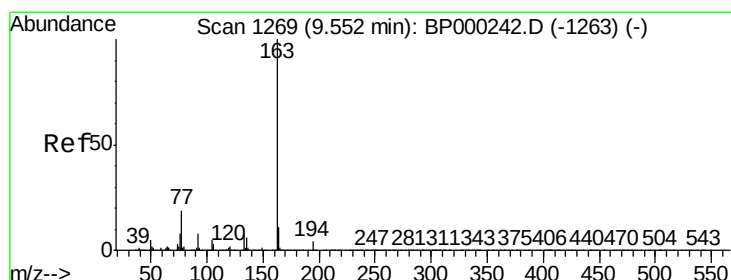
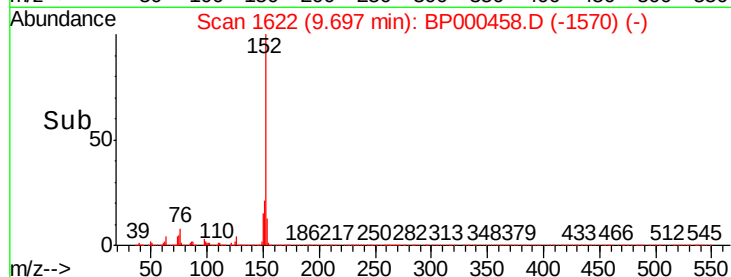
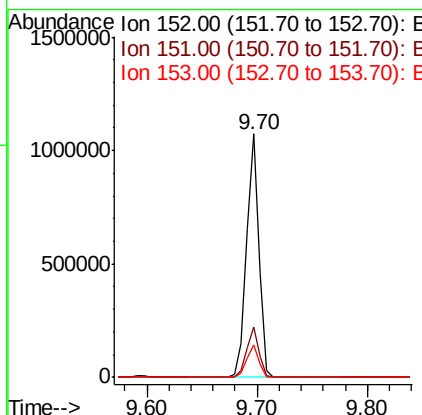
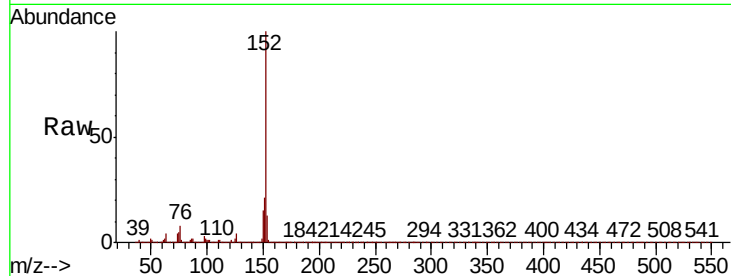
#49  
Acenaphthylene  
Concen: 52.246 ng  
RT: 9.70 min Scan# 1622  
Delta R.T. 0.00 min  
Lab File: BP000458.D  
Acq: 27 Sep 2019 15:31

Instrument :  
BNA\_P  
ClientSampleId :  
BU-02-092419MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.7  | 16.4  | 24.6  |
| 153     | 13.3  | 11.0  | 16.4  |

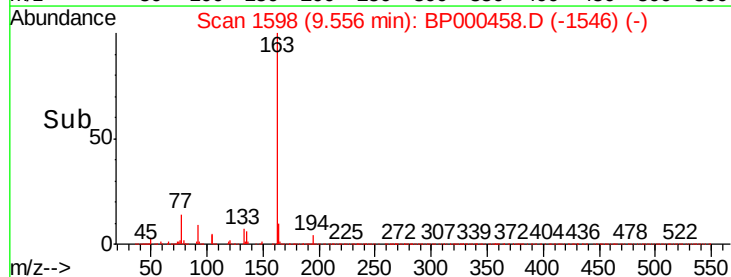
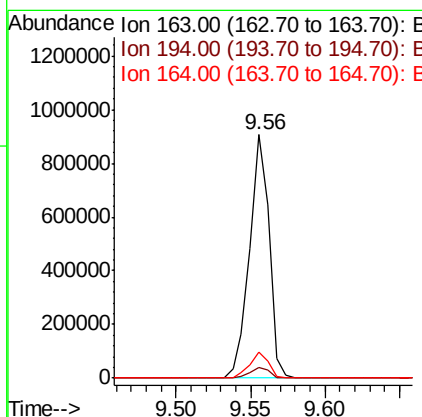
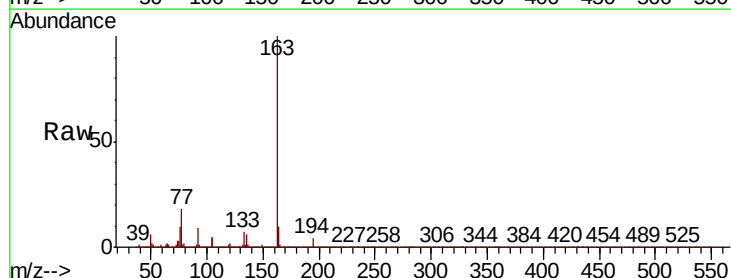
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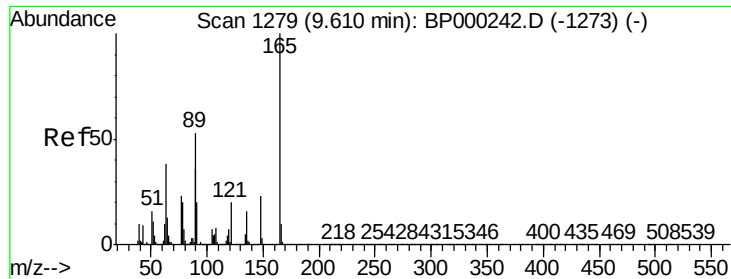
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#50  
Dimethylphthalate  
Concen: 64.920 ng  
RT: 9.56 min Scan# 1598  
Delta R.T. 0.00 min  
Lab File: BP000458.D  
Acq: 27 Sep 2019 15:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.2   | 3.4   | 5.0   |
| 164     | 10.5  | 8.5   | 12.7  |





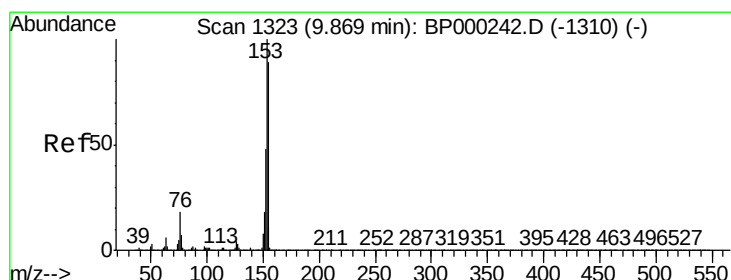
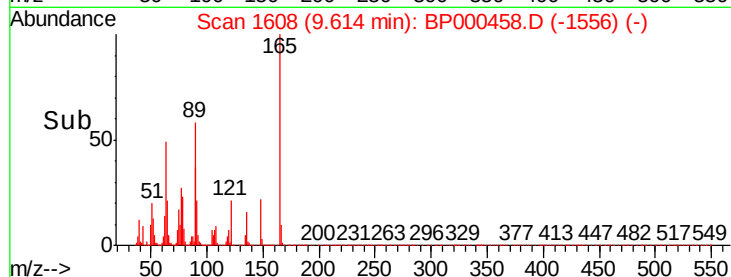
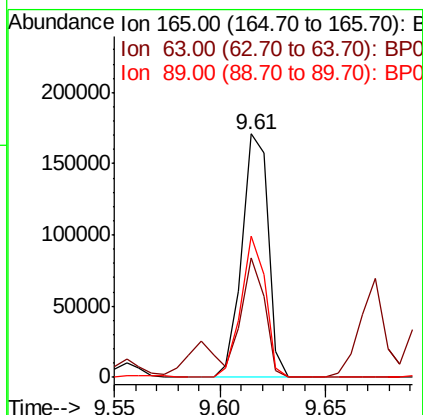
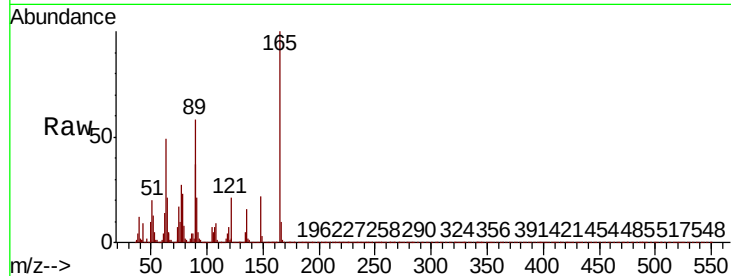
#51  
 2,6-Dinitrotoluene  
 Concen: 52.947 ng  
 RT: 9.61 min Scan# 1608  
 Delta R.T. 0.00 min  
 Lab File: BP000458.D  
 Acq: 27 Sep 2019 15:31

Instrument :  
 BNA\_P  
 ClientSampleId :  
 BU-02-092419MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 48.8  | 35.8  | 53.8  |
| 89      | 57.8  | 42.6  | 63.8  |

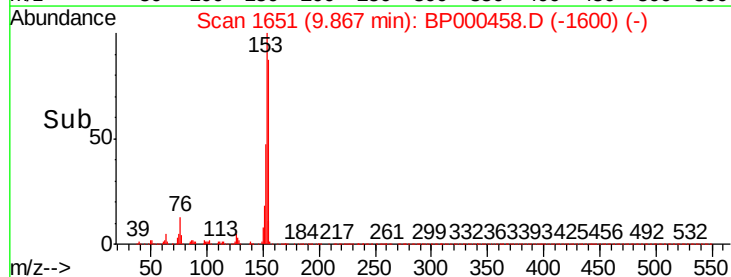
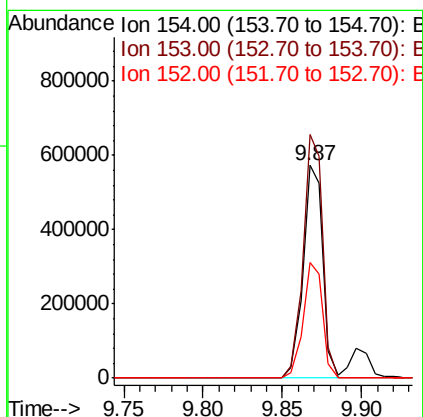
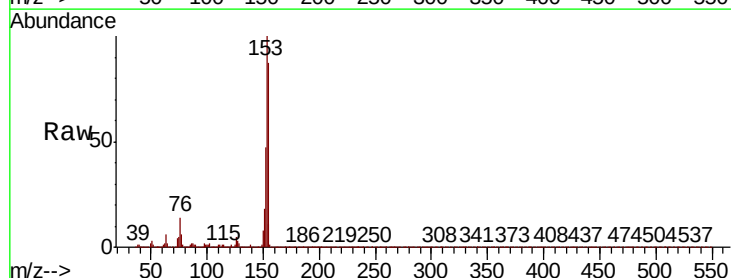
Manual Integrations  
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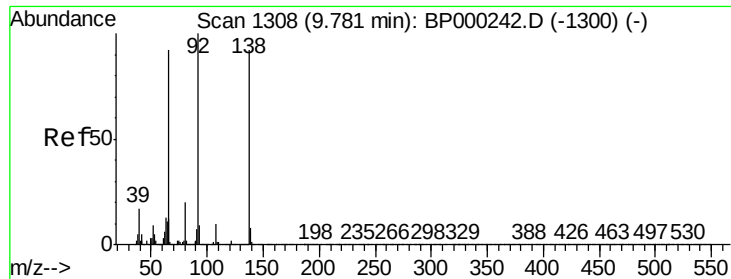
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#52  
 Acenaphthene  
 Concen: 48.948 ng  
 RT: 9.87 min Scan# 1651  
 Delta R.T. -0.00 min  
 Lab File: BP000458.D  
 Acq: 27 Sep 2019 15:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 114.6 | 89.8  | 134.6 |
| 152     | 54.2  | 43.4  | 65.0  |





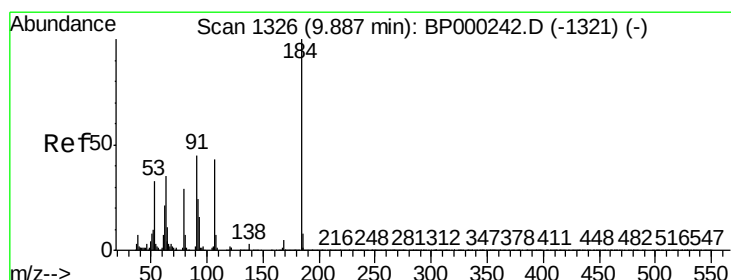
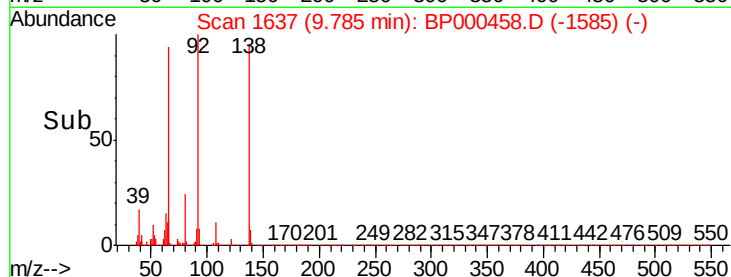
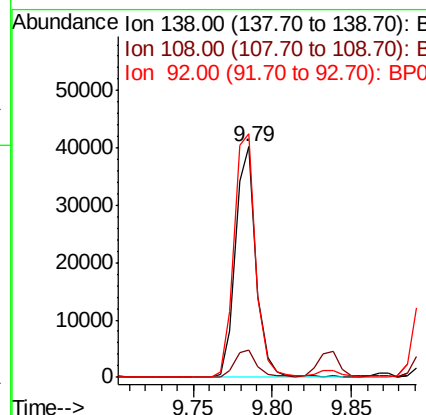
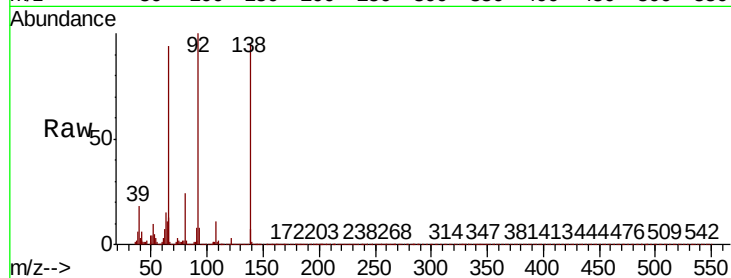
#53  
3-Nitroaniline  
Concen: 11.303 ng  
RT: 9.79 min Scan# 1637  
Delta R.T. 0.00 min  
Lab File: BP000458.D  
Acq: 27 Sep 2019 15:31

Instrument :  
BNA\_P  
ClientSampleId :  
BU-02-092419MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 108     | 12.1  | 9.1   | 13.7  |
| 92      | 105.7 | 86.7  | 130.1 |

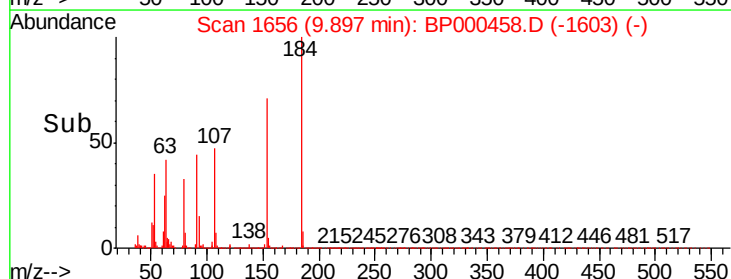
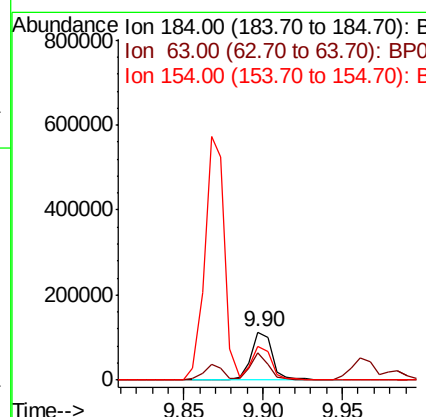
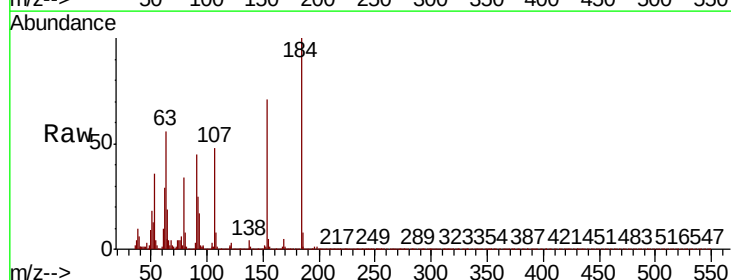
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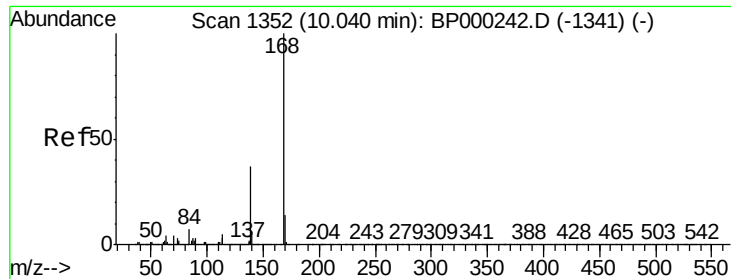


#54  
2,4-Dinitrophenol  
Concen: 86.128 ng  
RT: 9.90 min Scan# 1656  
Delta R.T. 0.01 min  
Lab File: BP000458.D  
Acq: 27 Sep 2019 15:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 63      | 56.4  | 39.5  | 59.3  |
| 154     | 71.5  | 48.8  | 73.2  |







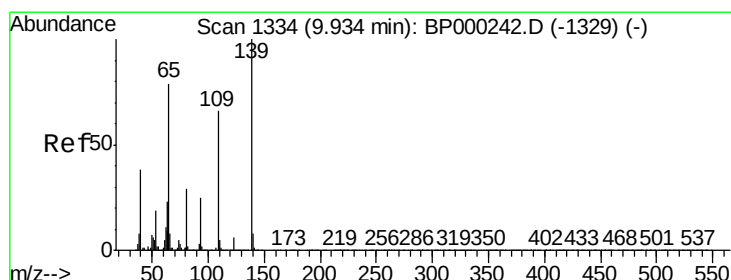
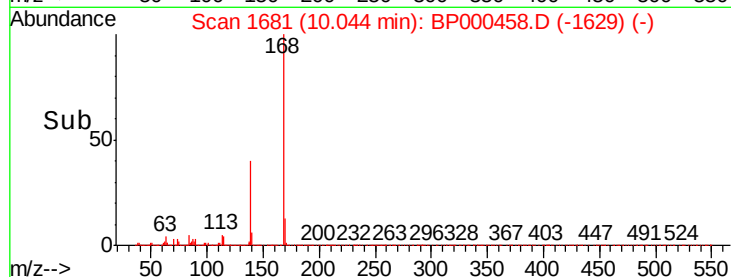
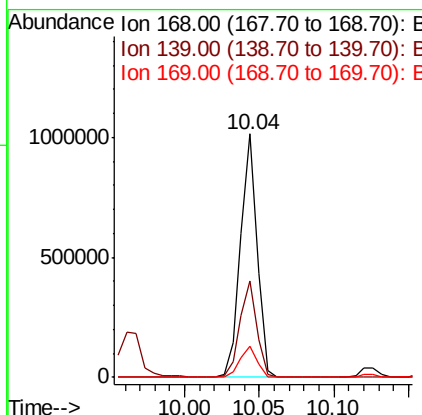
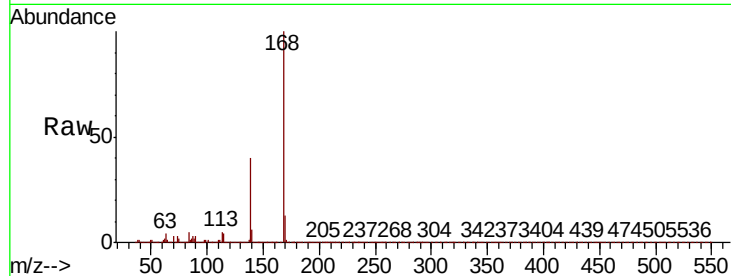
#55  
Dibenzofuran  
Concen: 54.735 ng  
RT: 10.04 min Scan# 1681  
Delta R.T. 0.00 min  
Lab File: BP000458.D  
Acq: 27 Sep 2019 15:31

Instrument :  
BNA\_P  
ClientSampleId :  
BU-02-092419MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 39.8  | 30.0  | 45.0  |
| 169     | 13.0  | 11.0  | 16.6  |

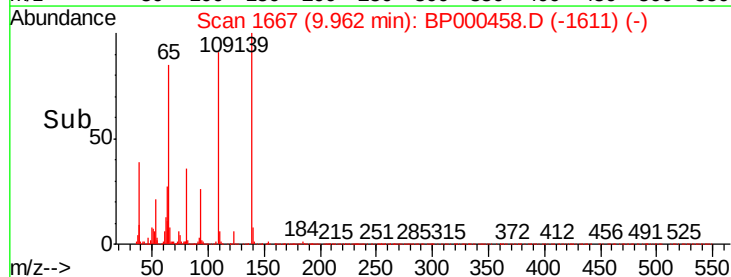
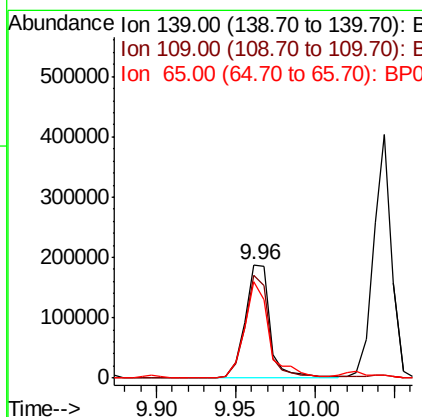
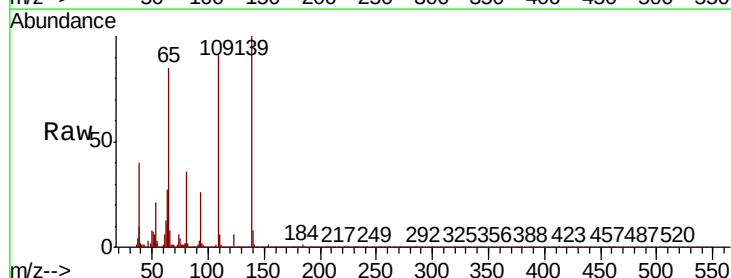
Manual Integrations  
APPROVED

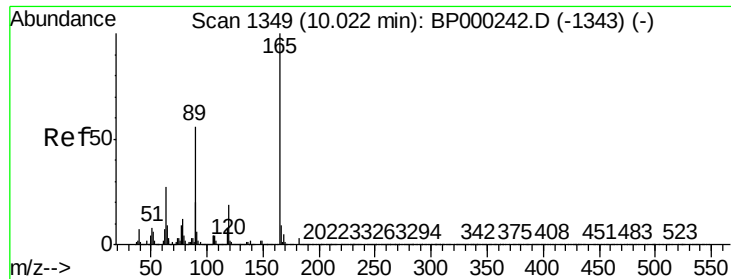
mohammad  
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#56  
4-Nitrophenol  
Concen: 85.017 ng  
RT: 9.96 min Scan# 1667  
Delta R.T. 0.03 min  
Lab File: BP000458.D  
Acq: 27 Sep 2019 15:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 91.3  | 46.2  | 86.2# |
| 65      | 84.7  | 59.4  | 99.4  |





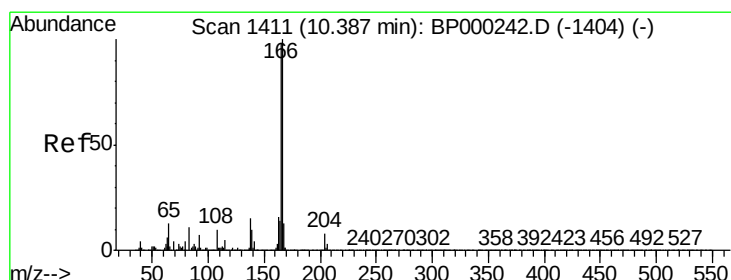
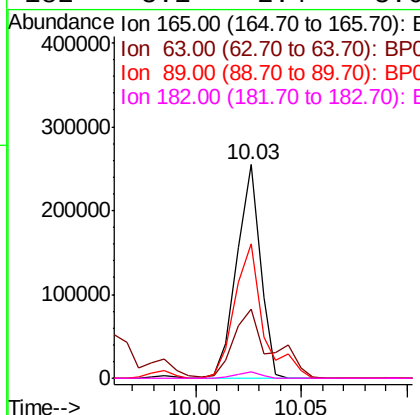
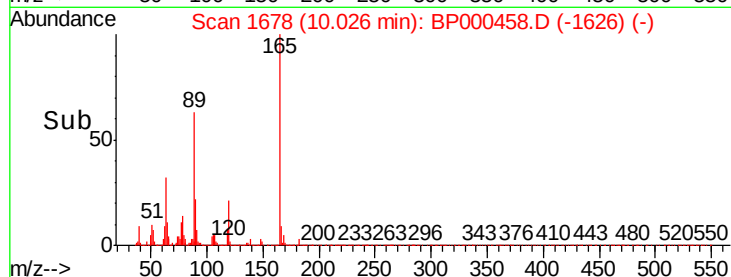
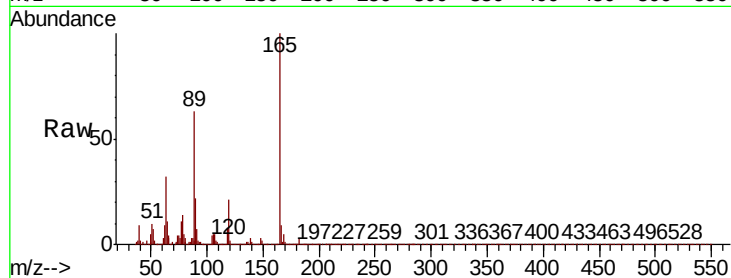
#57  
2,4-Dinitrotoluene  
Concen: 54.147 ng  
RT: 10.03 min Scan# 1678  
Delta R.T. 0.00 min  
Lab File: BP000458.D  
Acq: 27 Sep 2019 15:31

Instrument :  
BNA\_P  
ClientSampleId :  
BU-02-092419MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 196630 |       |       |
| 63      | 32.5  | 21.7   | 32.5  |       |
| 89      | 62.8  | 45.0   | 67.6  |       |
| 182     | 3.1   | 2.4    | 3.6   |       |

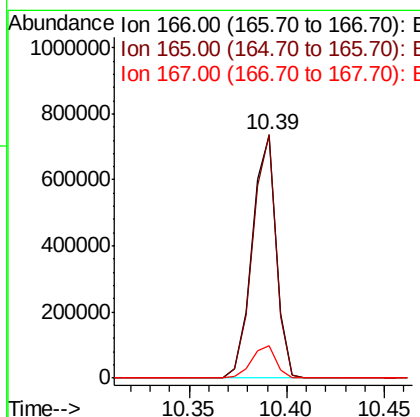
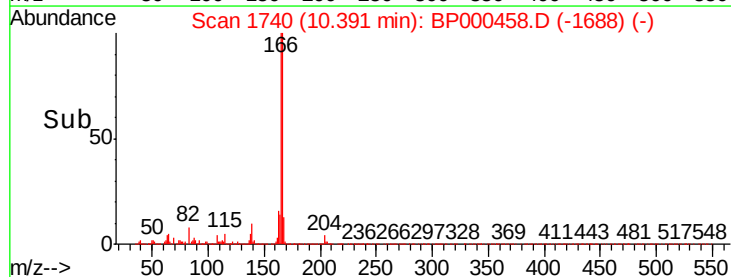
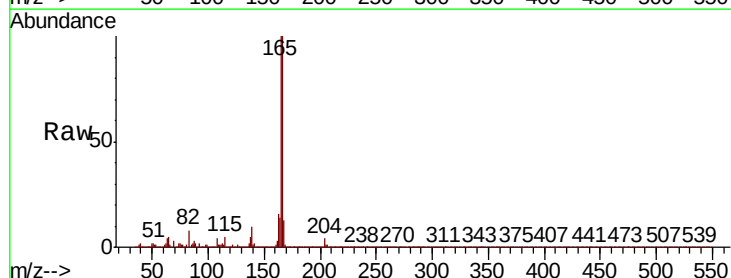
Manual Integrations  
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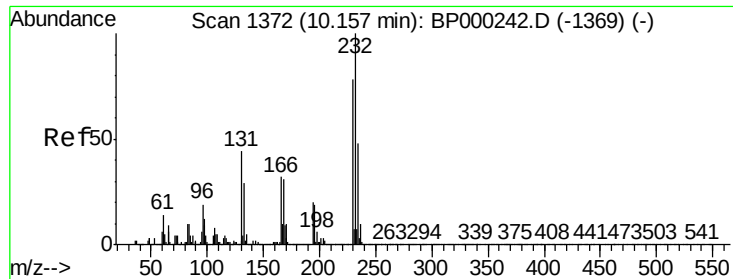
mohammad  
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#58  
Fluorene  
Concen: 56.092 ng  
RT: 10.39 min Scan# 1740  
Delta R.T. 0.00 min  
Lab File: BP000458.D  
Acq: 27 Sep 2019 15:31

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 166     | 100   | 625162 |       |       |
| 165     | 100.3 | 78.2   | 117.2 |       |
| 167     | 13.3  | 10.7   | 16.1  |       |





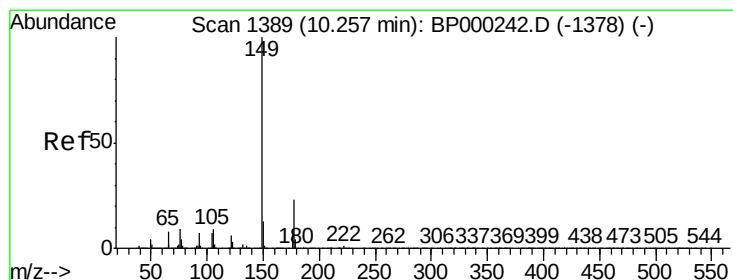
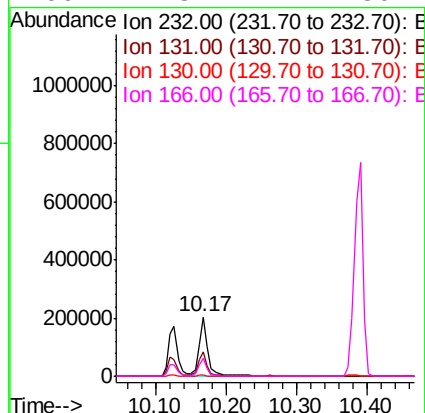
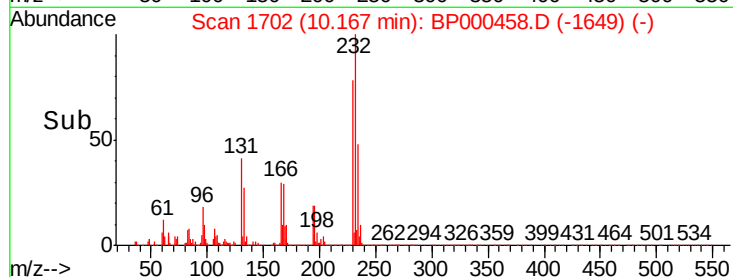
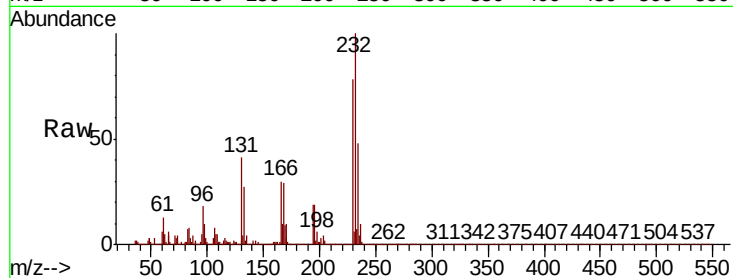
#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 59.244 ng  
 RT: 10.17 min Scan# 1702  
 Delta R.T. 0.01 min  
 Lab File: BP000458.D  
 Acq: 27 Sep 2019 15:31

Instrument :  
 BNA\_P  
 ClientSampleId :  
 BU-02-092419MSD

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 232     | 100  |       | 183125 |       |       |
| 131     | 39.2 | 33.6  | 50.4   |       |       |
| 130     | 2.2  | 1.8   | 2.6    |       |       |
| 166     | 27.8 | 24.2  | 36.2   |       |       |

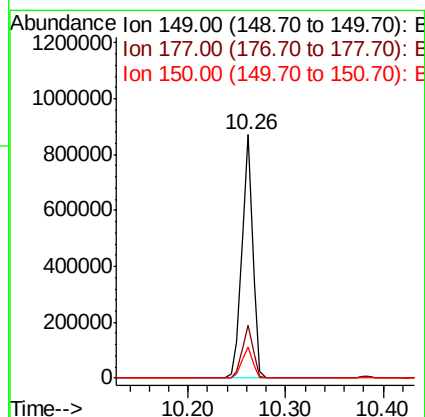
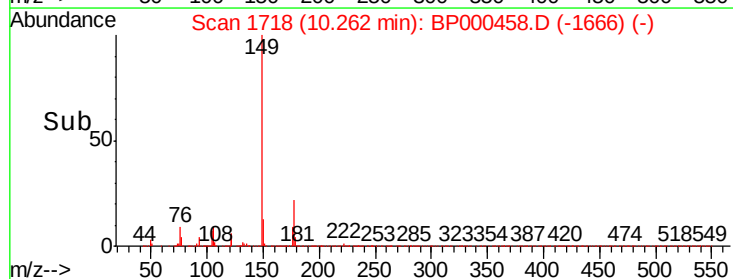
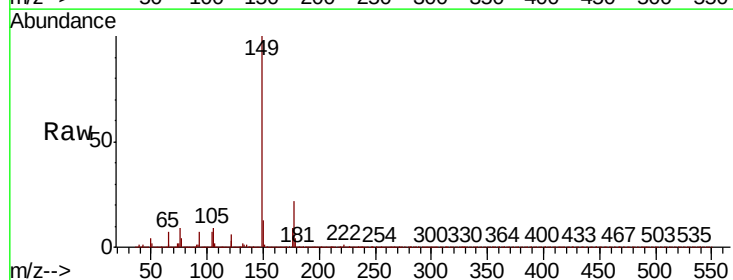
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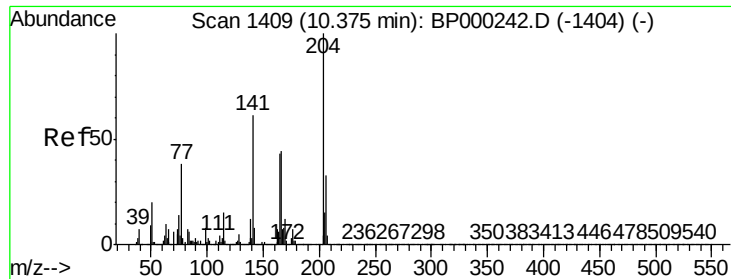
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#60  
 Diethylphthalate  
 Concen: 55.557 ng  
 RT: 10.26 min Scan# 1718  
 Delta R.T. 0.00 min  
 Lab File: BP000458.D  
 Acq: 27 Sep 2019 15:31

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 149     | 100  |       | 675181 |       |       |
| 177     | 22.0 | 18.1  | 27.1   |       |       |
| 150     | 12.5 | 10.3  | 15.5   |       |       |





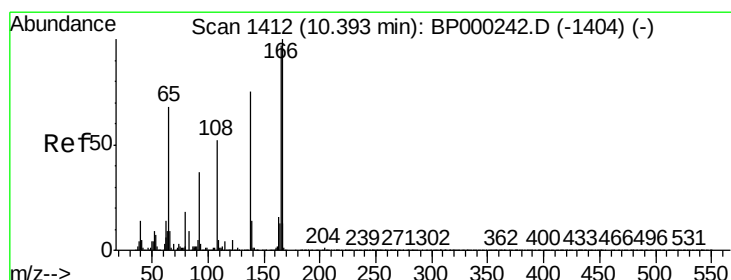
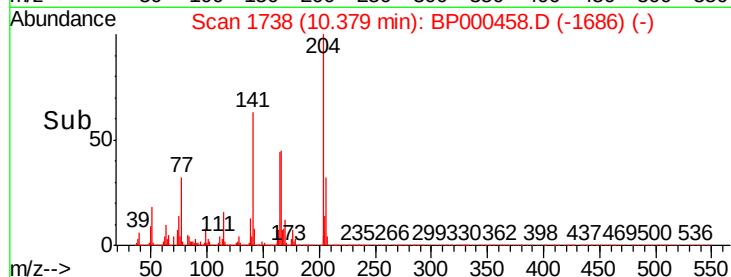
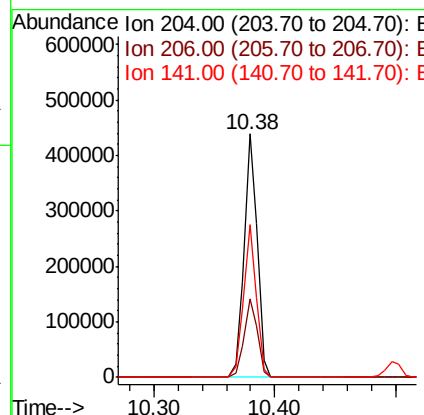
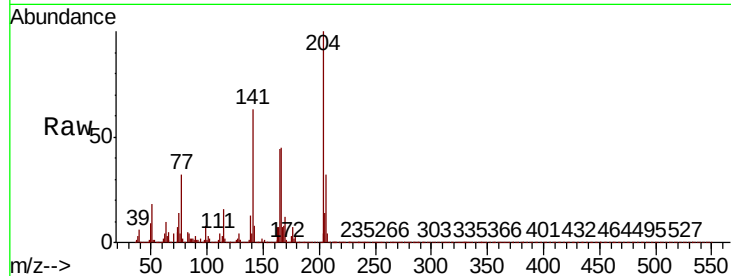
#61  
4-Chlorophenyl-phenylether  
Concen: 58.417 ng  
RT: 10.38 min Scan# 1738  
Delta R.T. 0.00 min  
Lab File: BP000458.D  
Acq: 27 Sep 2019 15:31

Instrument :  
BNA\_P  
ClientSampleId :  
BU-02-092419MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 32.4  | 26.3  | 39.5  |
| 141     | 62.9  | 48.6  | 72.8  |

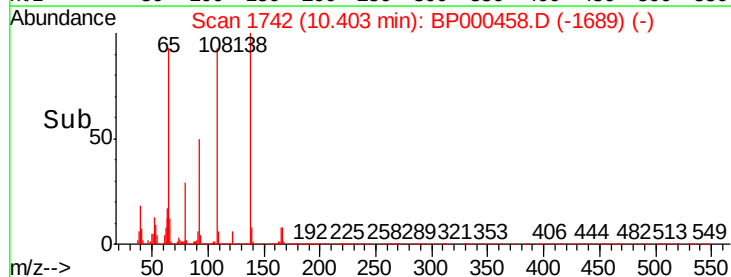
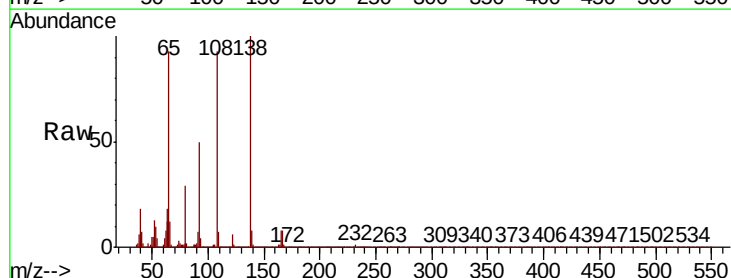
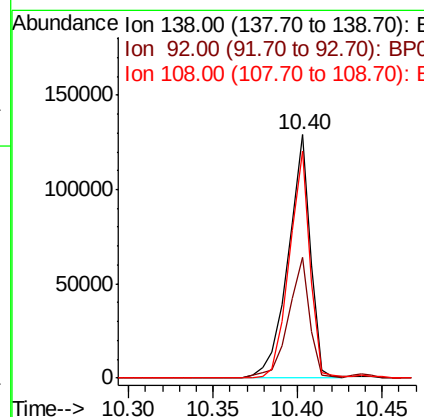
Manual Integrations  
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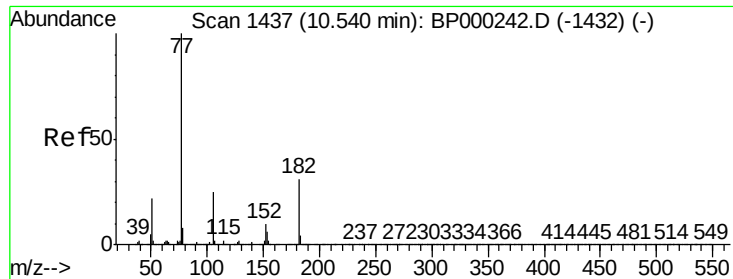
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#62  
4-Nitroaniline  
Concen: 37.438 ng  
RT: 10.40 min Scan# 1742  
Delta R.T. 0.01 min  
Lab File: BP000458.D  
Acq: 27 Sep 2019 15:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 49.7  | 30.1  | 70.1  |
| 108     | 93.0  | 49.5  | 89.5  |





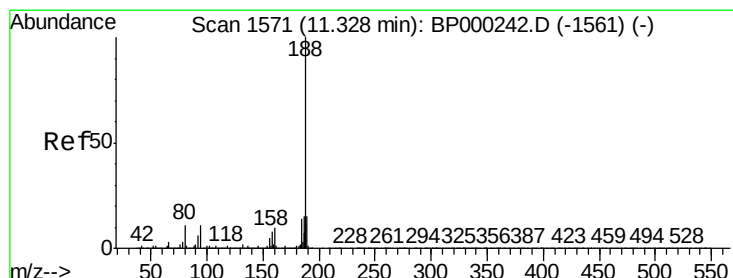
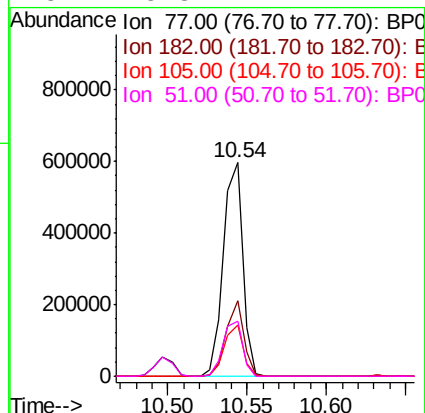
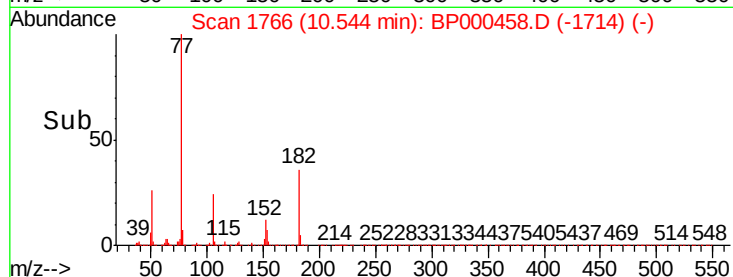
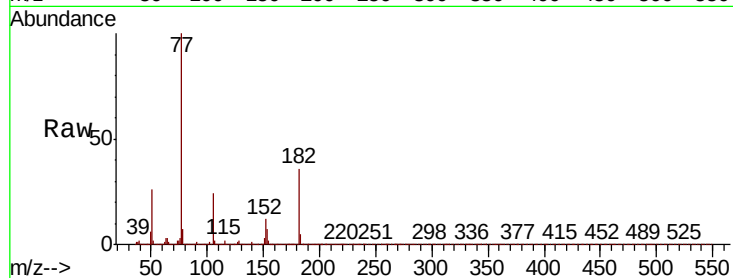
#63  
Azobenzene  
Concen: 49.184 ng  
RT: 10.54 min Scan# 1766  
Delta R.T. 0.00 min  
Lab File: BP000458.D  
Acq: 27 Sep 2019 15:31

Instrument :  
BNA\_P  
ClientSampleId :  
BU-02-092419MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 35.6  | 11.1  | 51.1  |
| 105     | 24.1  | 4.7   | 44.7  |
| 51      | 25.8  | 2.2   | 42.2  |

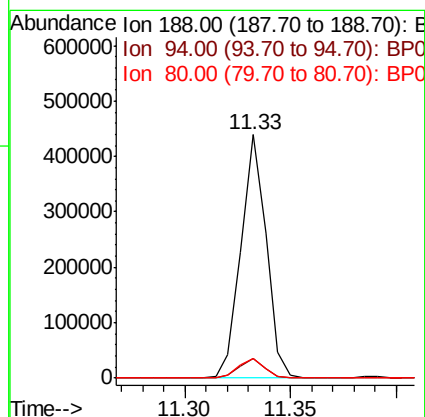
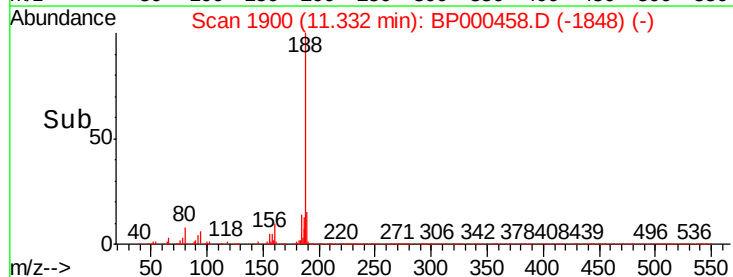
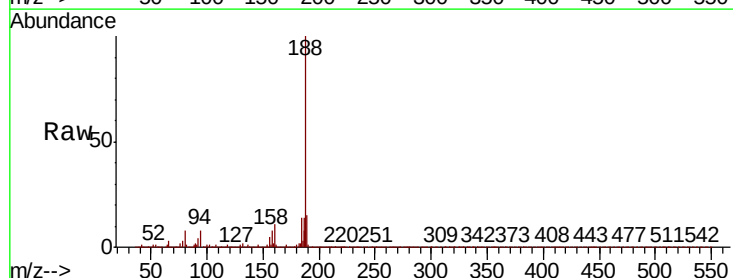
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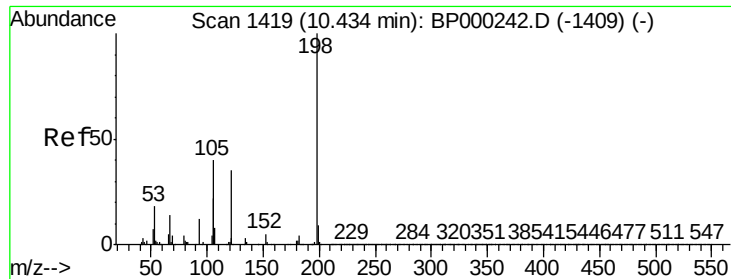
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#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.33 min Scan# 1900  
Delta R.T. 0.00 min  
Lab File: BP000458.D  
Acq: 27 Sep 2019 15:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 7.9   | 8.5   | 12.7# |
| 80      | 8.2   | 8.6   | 13.0# |





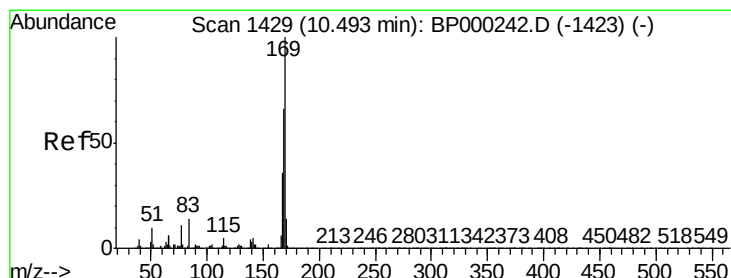
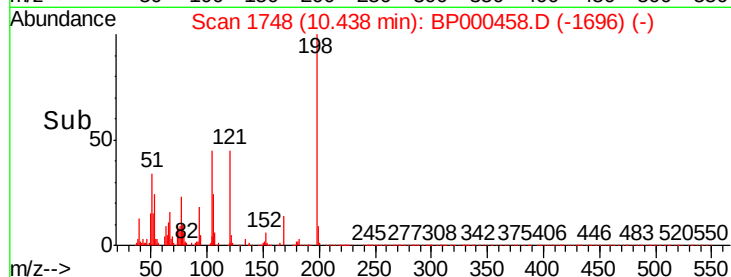
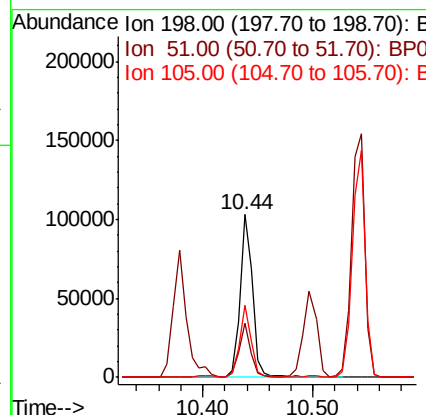
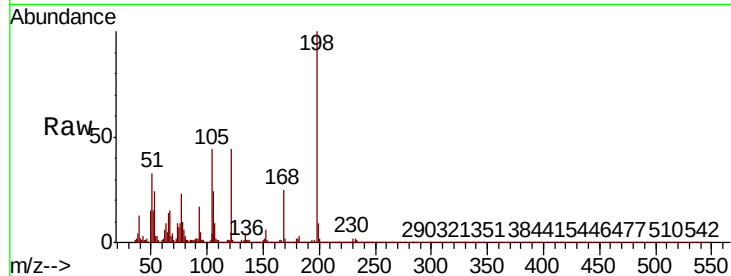
#65  
4,6-Dinitro-2-methylphenol  
Concen: 47.804 ng  
RT: 10.44 min Scan# 1748  
Delta R.T. 0.00 min  
Lab File: BP000458.D  
Acq: 27 Sep 2019 15:31

Instrument :  
BNA\_P  
ClientSampleId :  
BU-02-092419MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 198     | 100   |       |       |
| 51      | 33.3  | 7.4   | 47.4  |
| 105     | 44.1  | 20.2  | 60.2  |

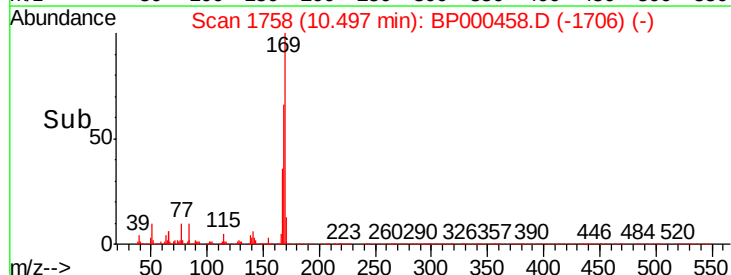
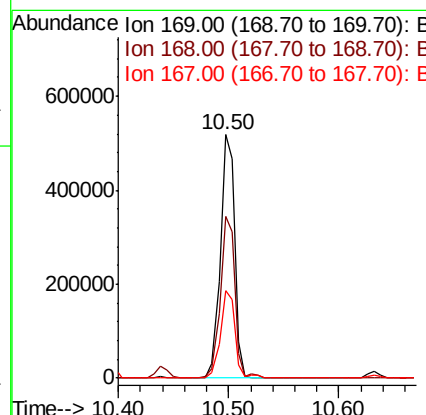
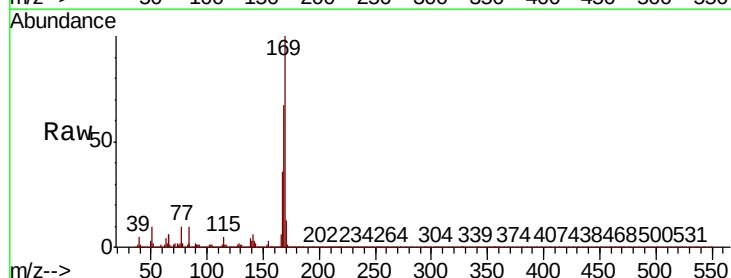
Manual Integrations  
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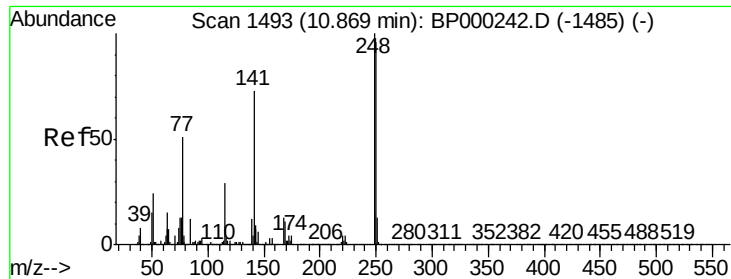
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#66  
n-Nitrosodiphenylamine  
Concen: 42.369 ng  
RT: 10.50 min Scan# 1758  
Delta R.T. 0.00 min  
Lab File: BP000458.D  
Acq: 27 Sep 2019 15:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 169     | 100   |       |       |
| 168     | 66.6  | 52.9  | 79.3  |
| 167     | 36.0  | 29.0  | 43.6  |





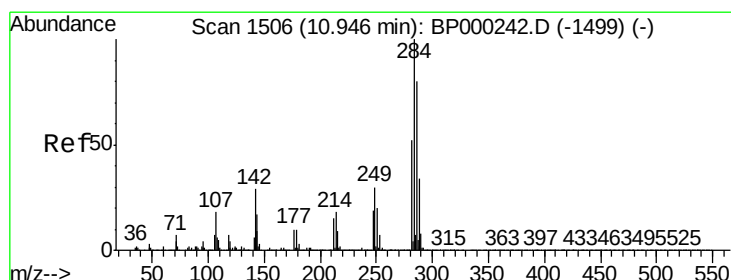
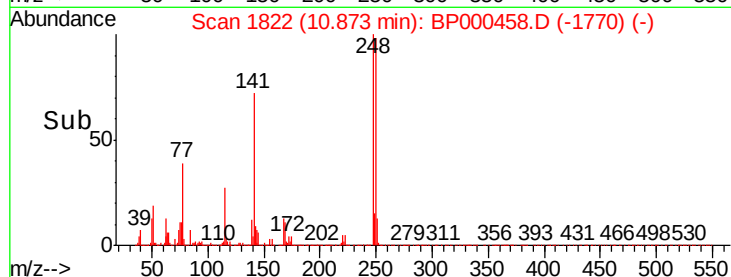
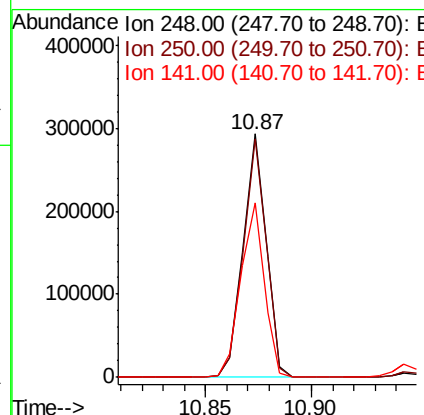
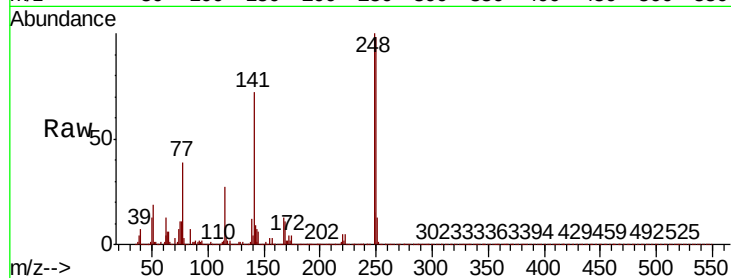
#67  
4-Bromophenyl-phenylether  
Concen: 54.117 ng  
RT: 10.87 min Scan# 1822  
Delta R.T. 0.00 min  
Lab File: BP000458.D  
Acq: 27 Sep 2019 15:31

Instrument :  
BNA\_P  
ClientSampleId :  
BU-02-092419MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 98.1  | 77.0  | 115.4 |
| 141     | 71.8  | 58.5  | 87.7  |

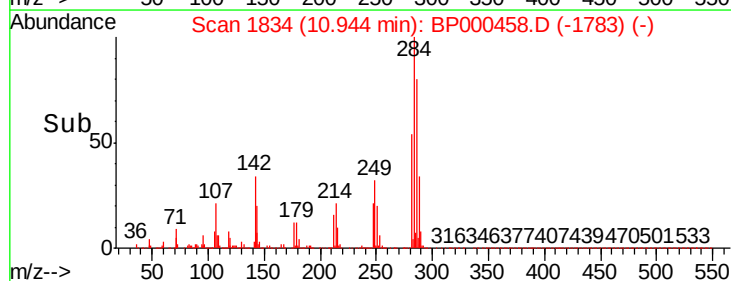
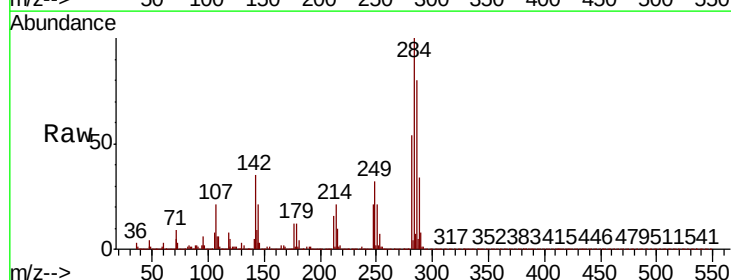
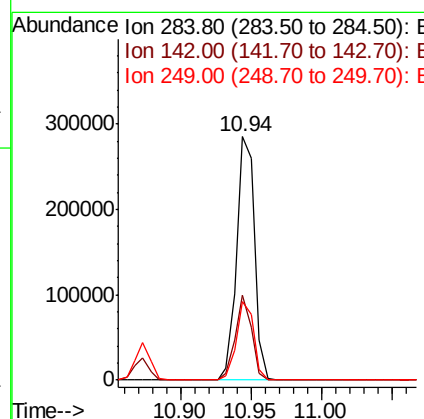
Manual Integrations  
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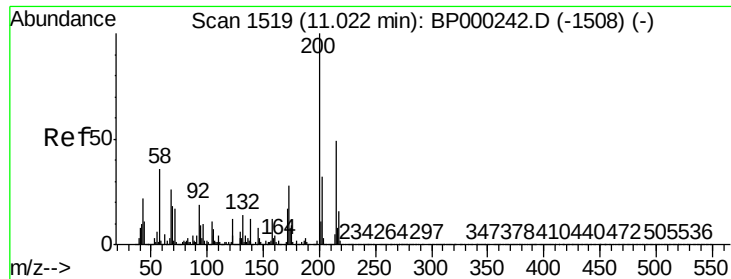
mohammad  
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#68  
Hexachlorobenzene  
Concen: 56.283 ng  
RT: 10.94 min Scan# 1834  
Delta R.T. -0.00 min  
Lab File: BP000458.D  
Acq: 27 Sep 2019 15:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 34.7  | 23.6  | 35.4  |
| 249     | 32.3  | 24.3  | 36.5  |





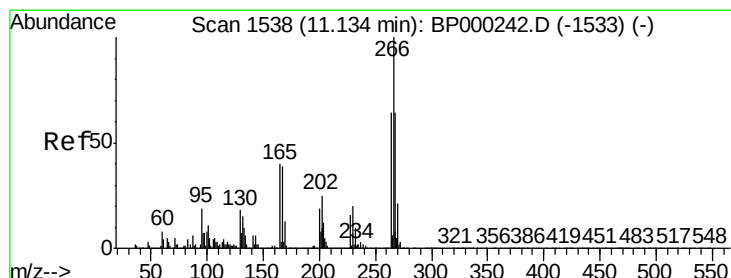
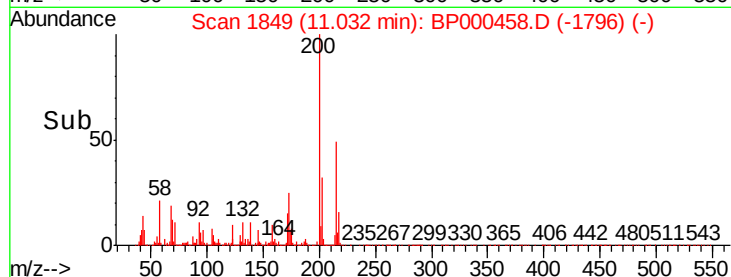
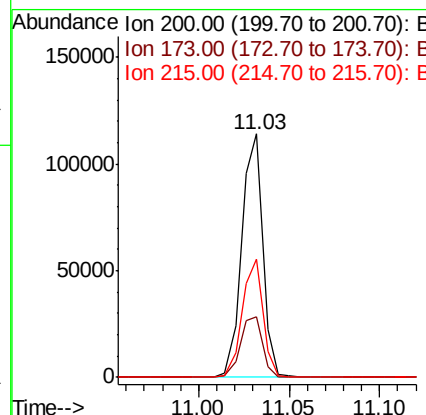
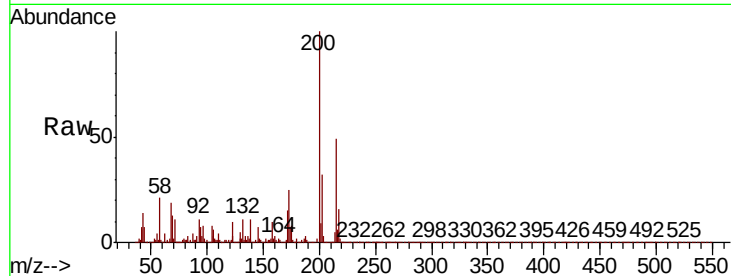
#69  
Atrazine  
Concen: 27.777 ng  
RT: 11.03 min Scan# 1849  
Delta R.T. 0.01 min  
Lab File: BP000458.D  
Acq: 27 Sep 2019 15:31

Instrument :  
BNA\_P  
ClientSampleId :  
BU-02-092419MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 25.0  | 7.6   | 47.6  |
| 215     | 48.7  | 28.6  | 68.6  |

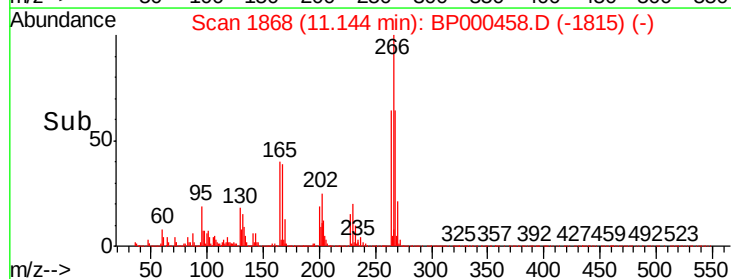
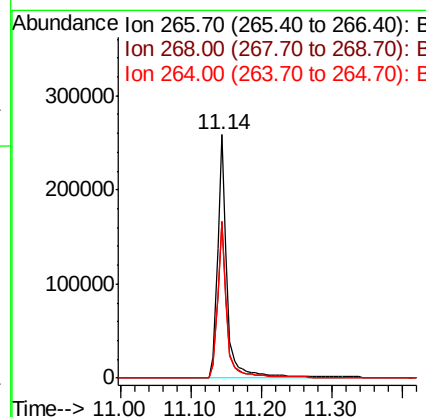
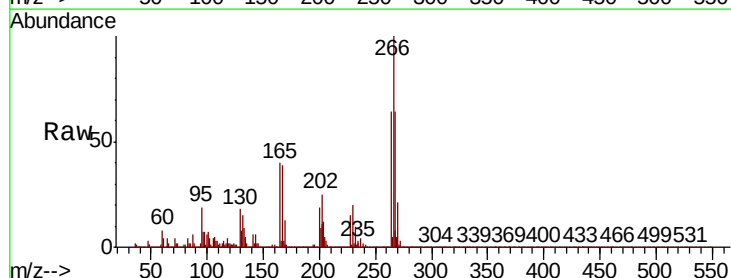
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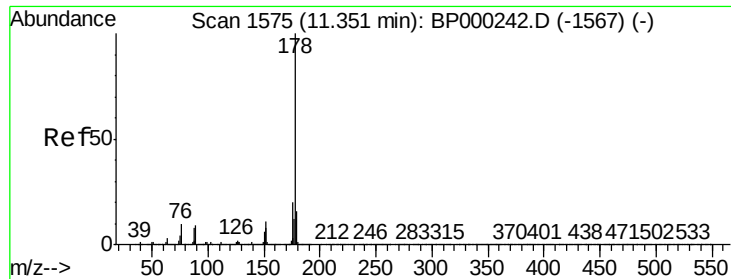


#70  
Pentachlorophenol  
Concen: 100.882 ng  
RT: 11.14 min Scan# 1868  
Delta R.T. 0.01 min  
Lab File: BP000458.D  
Acq: 27 Sep 2019 15:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 64.3  | 51.6  | 77.4  |
| 264     | 64.2  | 50.8  | 76.2  |







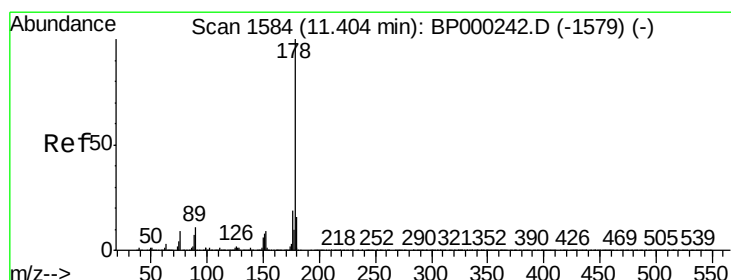
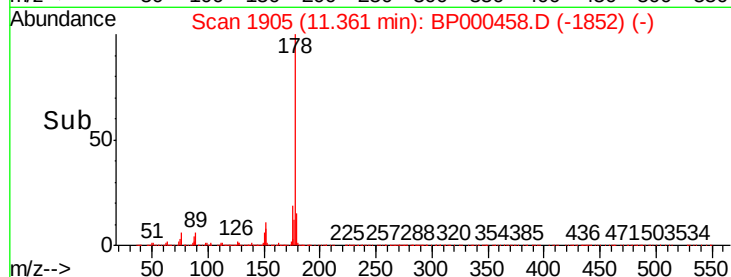
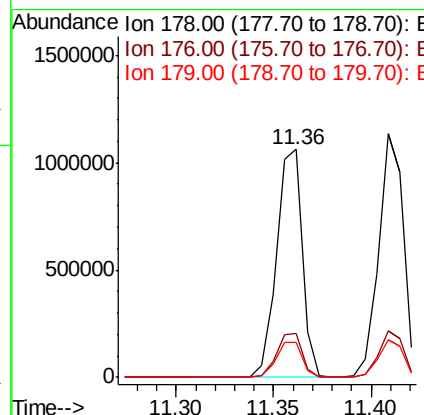
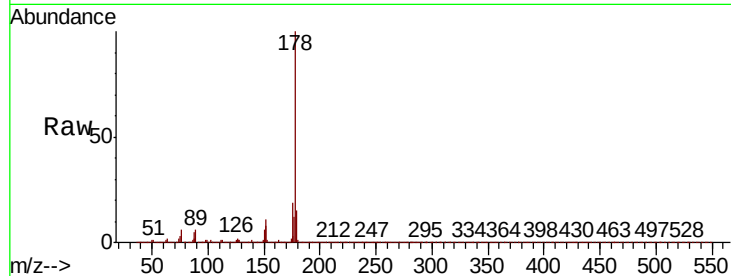
#71  
Phenanthrene  
Concen: 53.415 ng  
RT: 11.36 min Scan# 1905  
Delta R.T. 0.01 min  
Lab File: BP000458.D  
Acq: 27 Sep 2019 15:31

Instrument :  
BNA\_P  
ClientSampleId :  
BU-02-092419MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.4  | 15.8  | 23.8  |
| 179     | 15.2  | 12.7  | 19.1  |

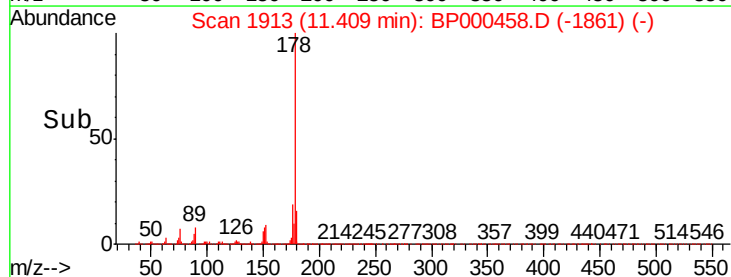
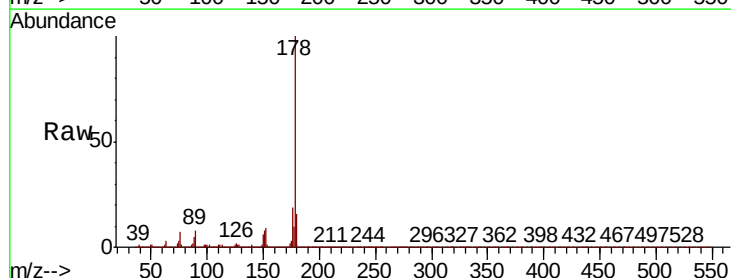
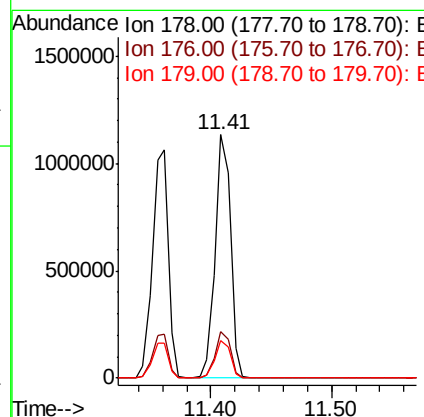
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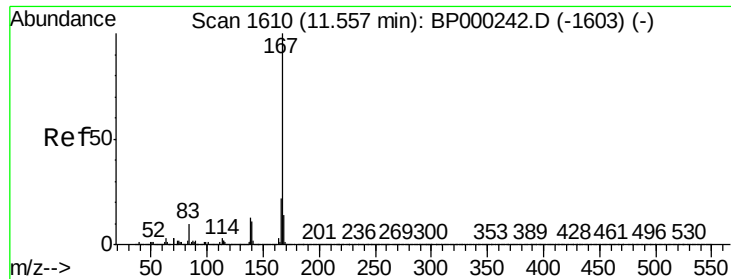
mohammad  
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#72  
Anthracene  
Concen: 53.245 ng  
RT: 11.41 min Scan# 1913  
Delta R.T. 0.00 min  
Lab File: BP000458.D  
Acq: 27 Sep 2019 15:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.9  | 15.4  | 23.0  |
| 179     | 15.6  | 12.7  | 19.1  |





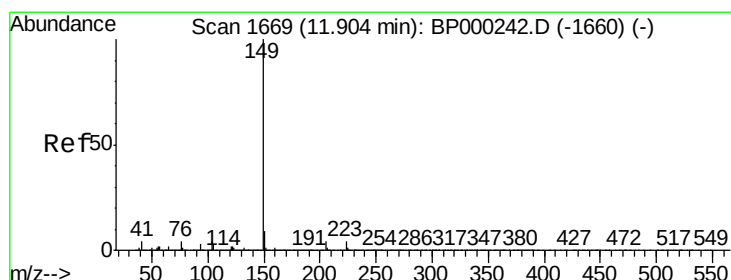
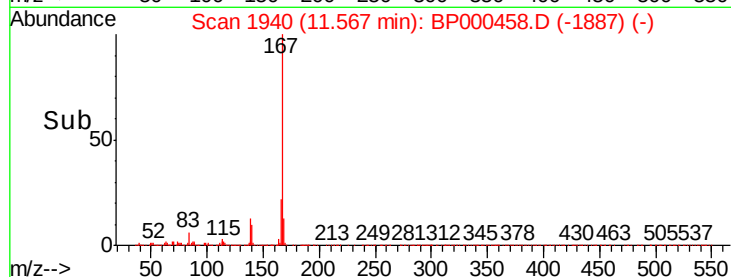
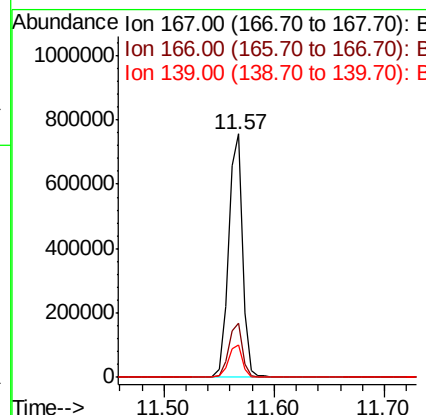
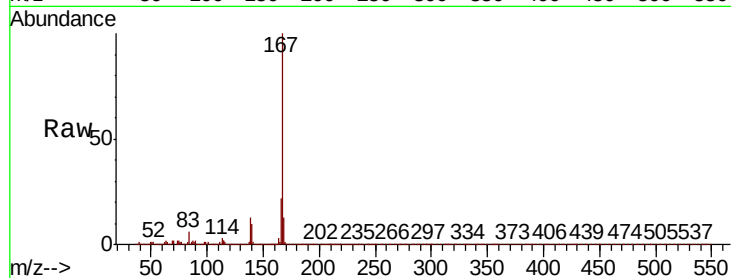
#73  
 Carbazole  
 Concen: 39.857 ng  
 RT: 11.57 min Scan# 1940  
 Delta R.T. 0.01 min  
 Lab File: BP000458.D  
 Acq: 27 Sep 2019 15:31

Instrument :  
 BNA\_P  
 ClientSampleId :  
 BU-02-092419MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 22.2  | 17.8  | 26.8  |
| 139     | 13.1  | 10.8  | 16.2  |

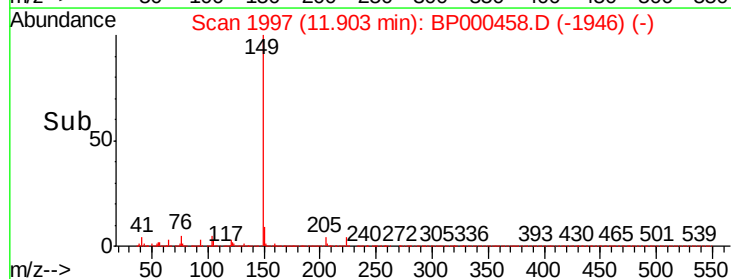
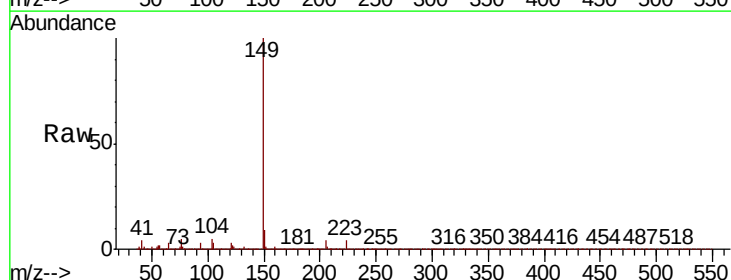
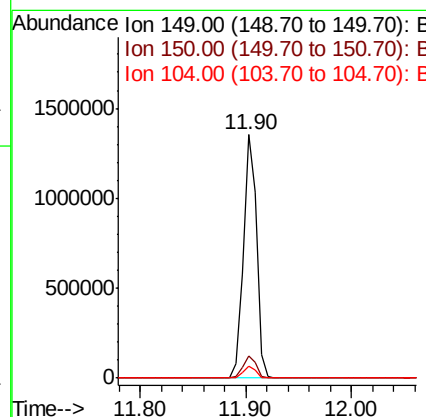
Manual Integrations  
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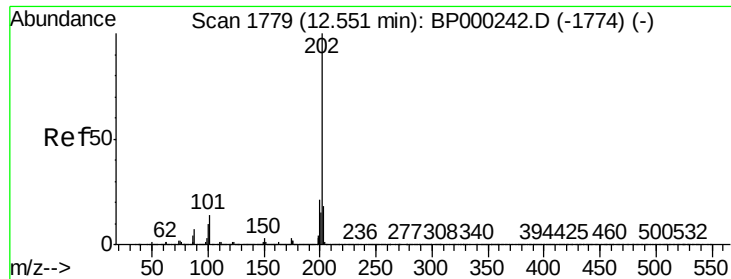
mohammad  
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#74  
 Di-n-butylphthalate  
 Concen: 53.042 ng  
 RT: 11.90 min Scan# 1997  
 Delta R.T. -0.00 min  
 Lab File: BP000458.D  
 Acq: 27 Sep 2019 15:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 9.4   | 7.4   | 11.2  |
| 104     | 5.1   | 3.5   | 5.3   |





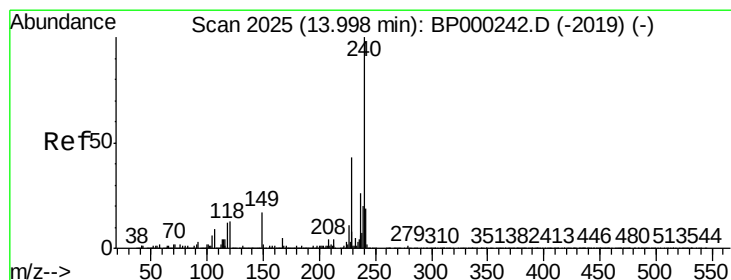
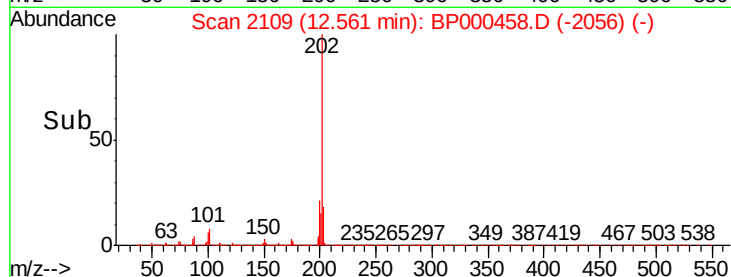
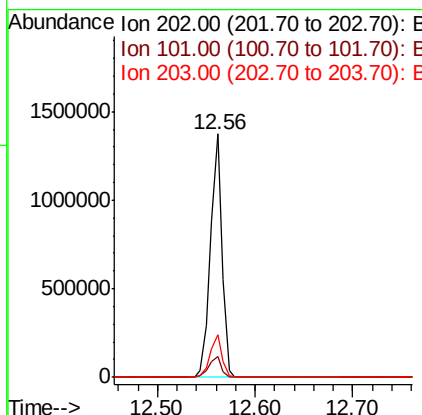
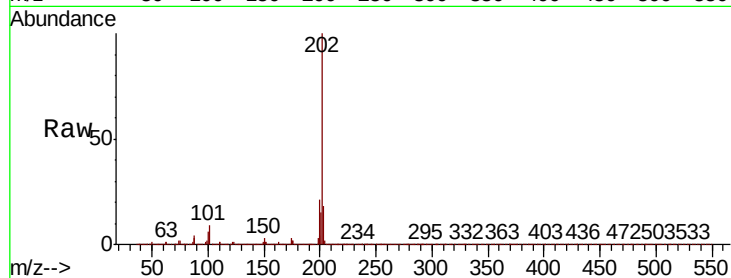
#75  
Fluoranthene  
Concen: 57.797 ng  
RT: 12.56 min Scan# 2109  
Delta R.T. 0.01 min  
Lab File: BP000458.D  
Acq: 27 Sep 2019 15:31

Instrument :  
BNA\_P  
ClientSampleId :  
BU-02-092419MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 8.5   | 0.0   | 33.9  |
| 203     | 17.5  | 0.0   | 38.0  |

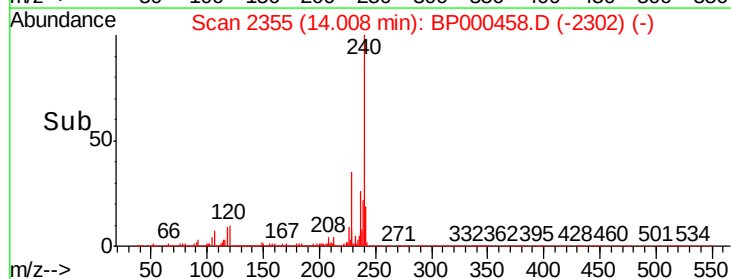
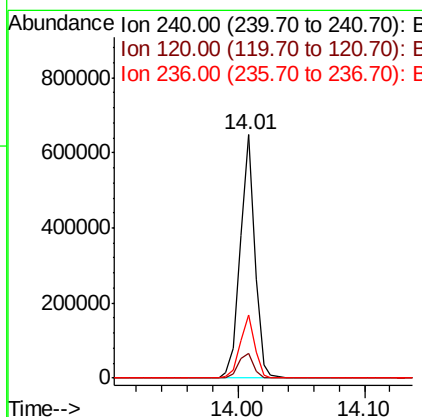
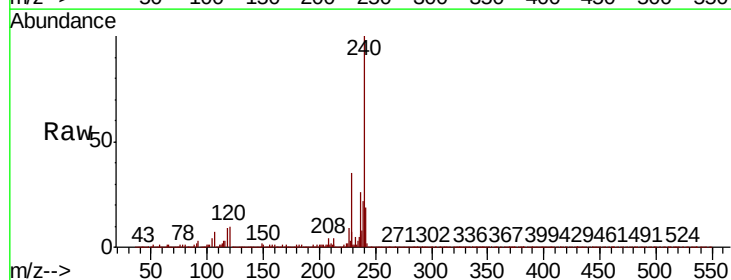
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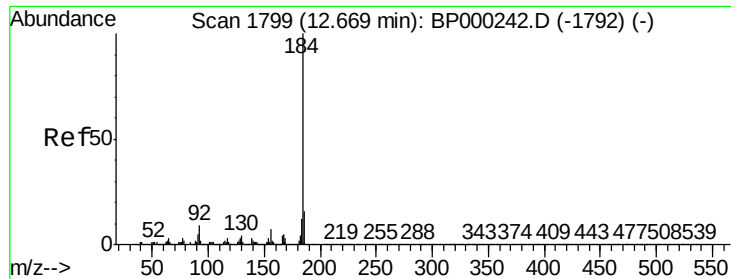
mohammad  
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#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.01 min Scan# 2355  
Delta R.T. 0.01 min  
Lab File: BP000458.D  
Acq: 27 Sep 2019 15:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 10.2  | 10.4  | 15.6# |
| 236     | 26.0  | 21.0  | 31.6  |





#77

Benzidine

Concen: 1.342 ng

RT: 12.68 min Scan# 2129

Delta R.T. 0.01 min

Lab File: BP000458.D

Acq: 27 Sep 2019 15:31

Instrument :

BNA\_P

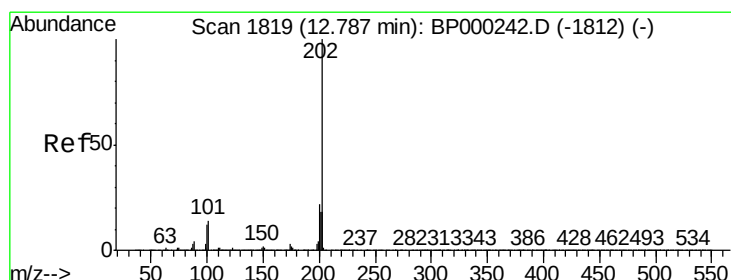
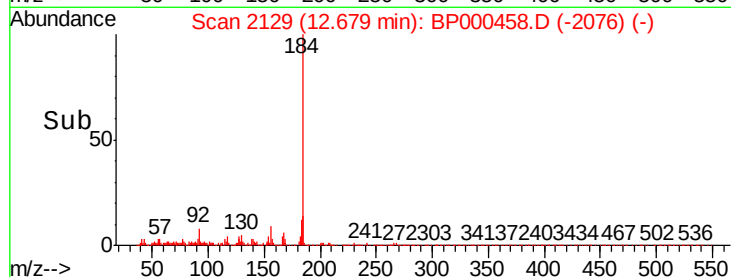
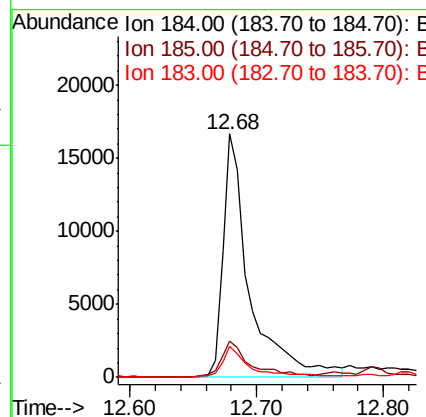
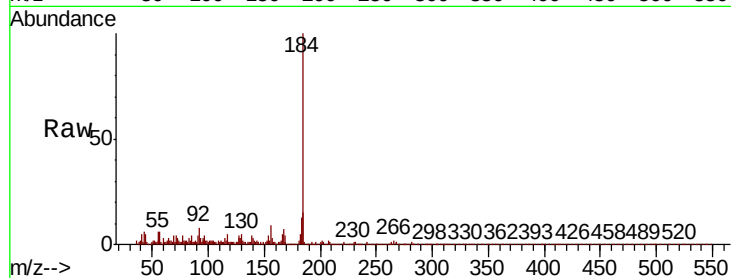
ClientSampleId :

BU-02-092419MSD

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 184   | Resp: | 24266 |
| Ion Ratio | Lower | Upper |       |
| 184       | 100   |       |       |
| 185       | 15.0  | 12.7  | 19.1  |
| 183       | 12.5  | 9.5   | 14.3  |

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#78

Pyrene

Concen: 40.899 ng

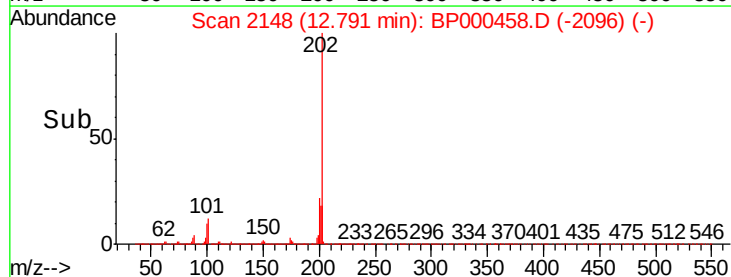
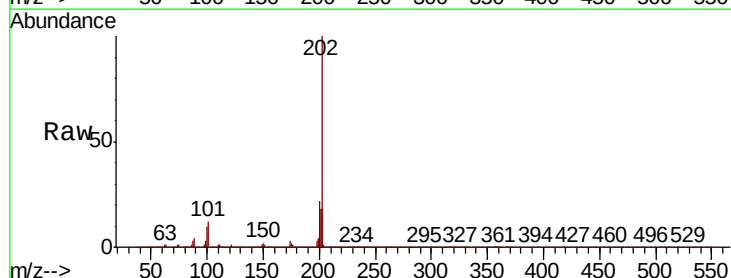
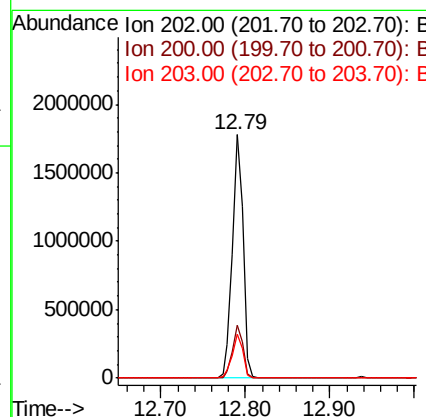
RT: 12.79 min Scan# 2148

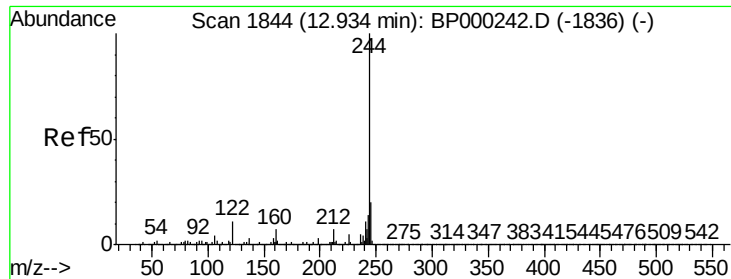
Delta R.T. 0.00 min

Lab File: BP000458.D

Acq: 27 Sep 2019 15:31

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 202   | Resp: | 1548694 |
| Ion Ratio | Lower | Upper |         |
| 202       | 100   |       |         |
| 200       | 21.6  | 17.5  | 26.3    |
| 203       | 17.9  | 14.3  | 21.5    |





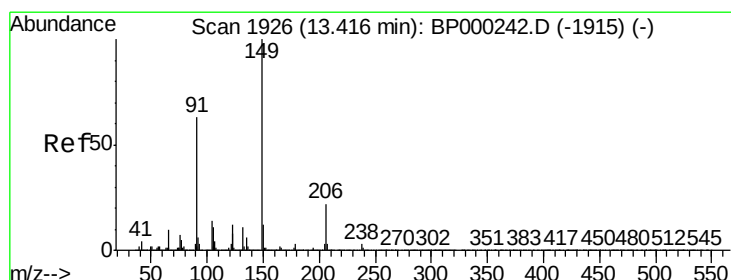
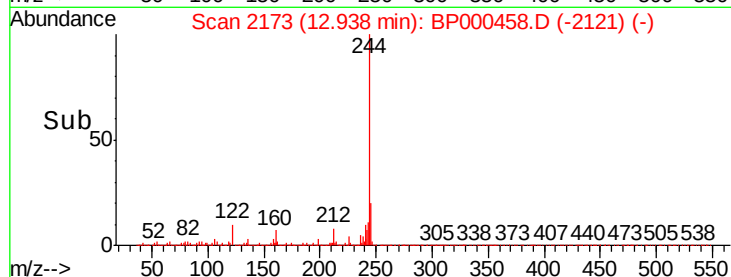
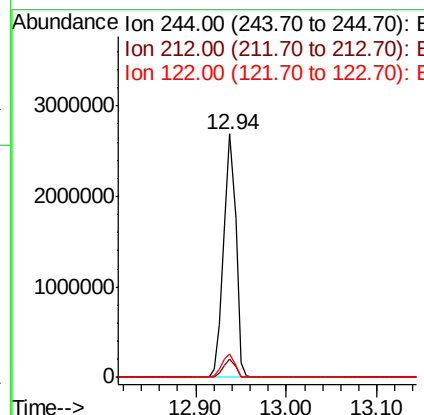
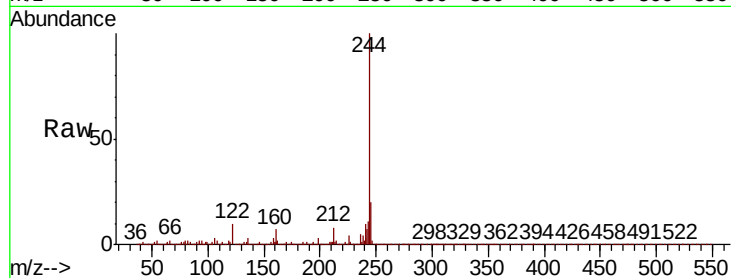
#79  
 Terphenyl-d14  
 Concen: 102.509 ng  
 RT: 12.94 min Scan# 2173  
 Delta R.T. 0.00 min  
 Lab File: BP000458.D  
 Acq: 27 Sep 2019 15:31

Instrument :  
 BNA\_P  
 ClientSampleId :  
 BU-02-092419MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.7   | 5.9   | 8.9   |
| 122     | 9.7   | 9.0   | 13.4  |

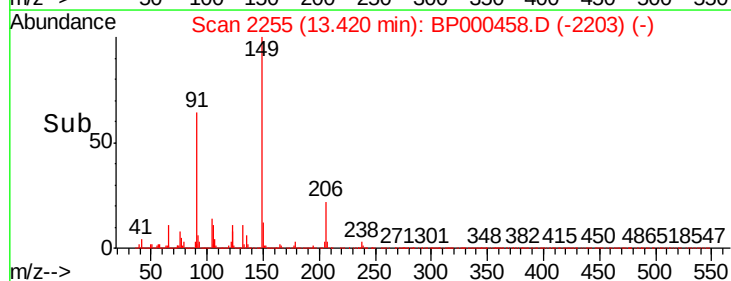
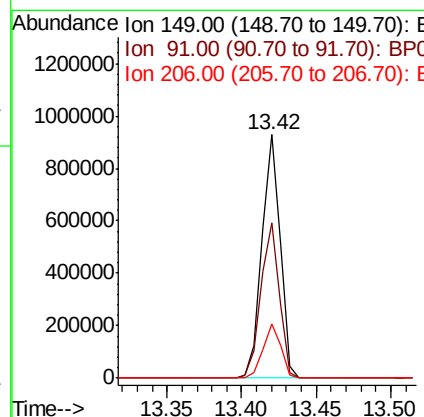
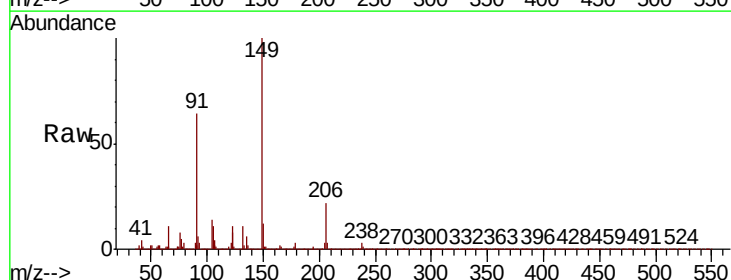
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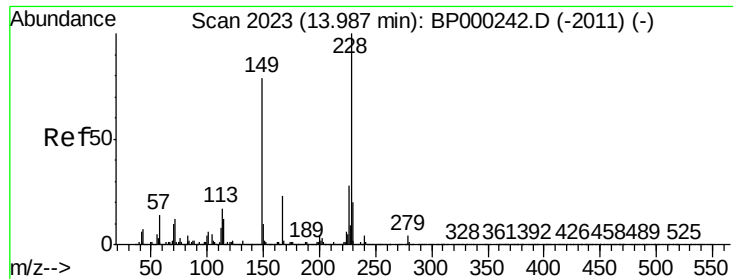
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#80  
 Butylbenzylphthalate  
 Concen: 44.403 ng  
 RT: 13.42 min Scan# 2255  
 Delta R.T. 0.00 min  
 Lab File: BP000458.D  
 Acq: 27 Sep 2019 15:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 63.9  | 50.6  | 76.0  |
| 206     | 22.0  | 17.8  | 26.6  |





#81

Benzo(a)anthracene

Concen: 47.832 ng

RT: 14.00 min Scan# 2353

Delta R.T. 0.01 min

Lab File: BP000458.D

Acq: 27 Sep 2019 15:31

Instrument :

BNA\_P

ClientSampleId :

BU-02-092419MSD

Tot Ion:228 Resp: 1529213

Ion Ratio Lower Upper

228 100

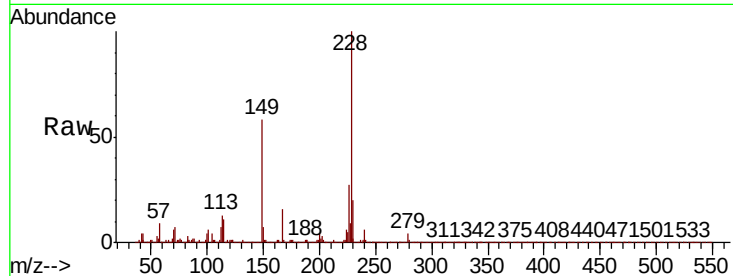
226 27.4 22.2 33.4

229 19.9 16.0 24.0

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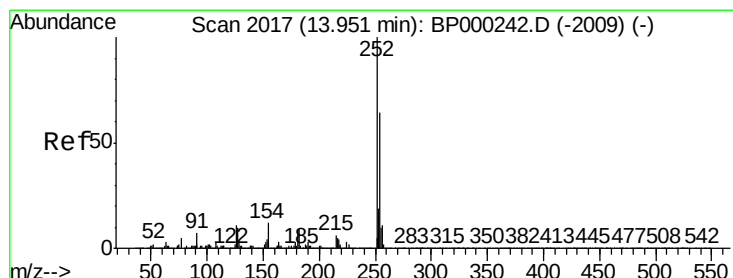
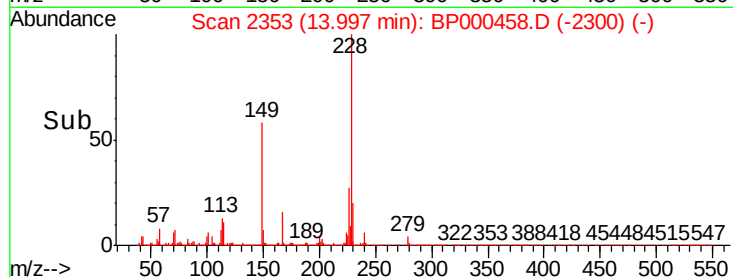
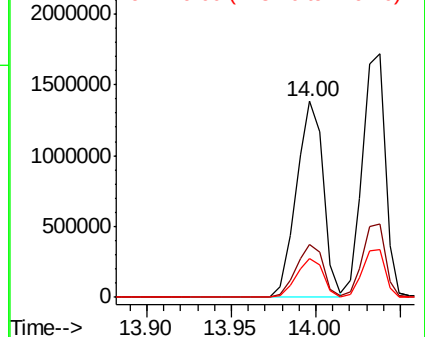


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 7.496 ng

RT: 13.96 min Scan# 2346

Delta R.T. 0.00 min

Lab File: BP000458.D

Acq: 27 Sep 2019 15:31

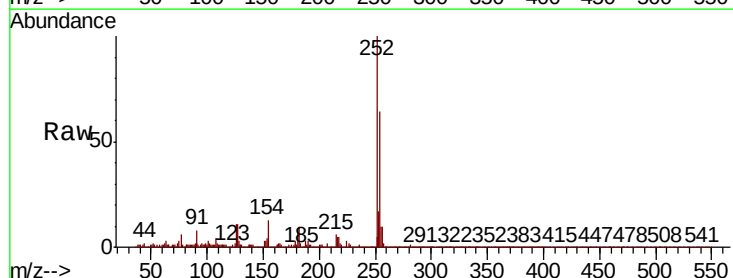
Tgt Ion:252 Resp: 96311

Ion Ratio Lower Upper

252 100

254 64.4 51.5 77.3

126 10.6 8.4 12.6

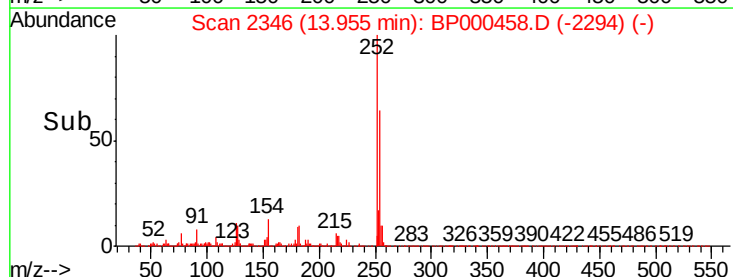
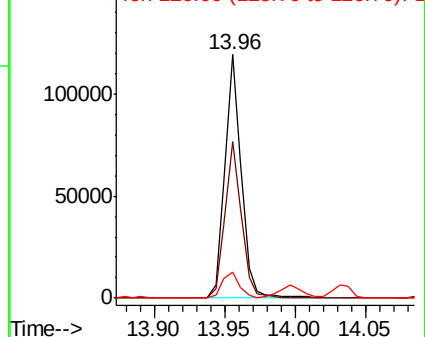


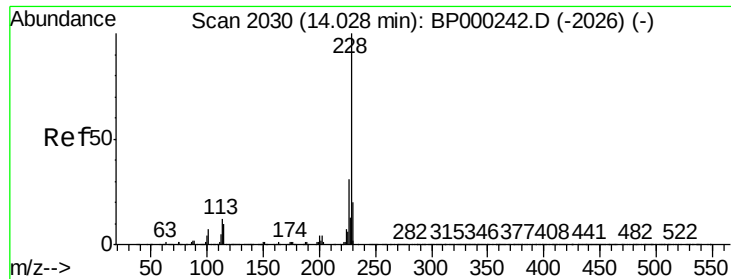
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





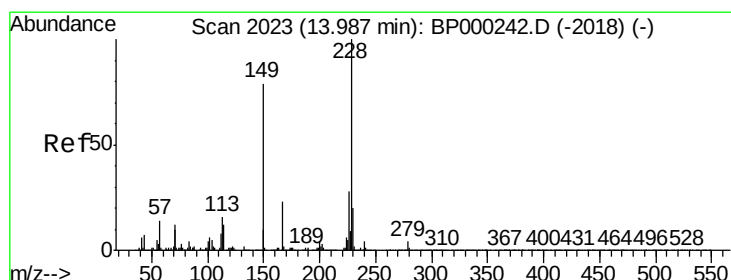
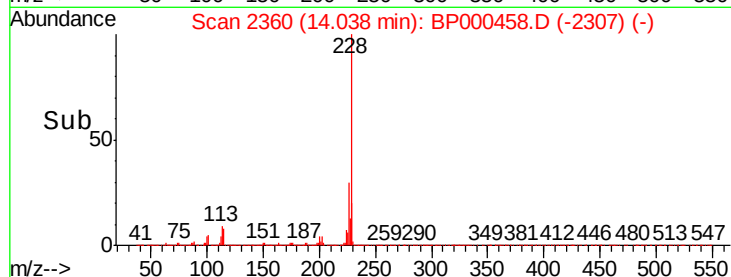
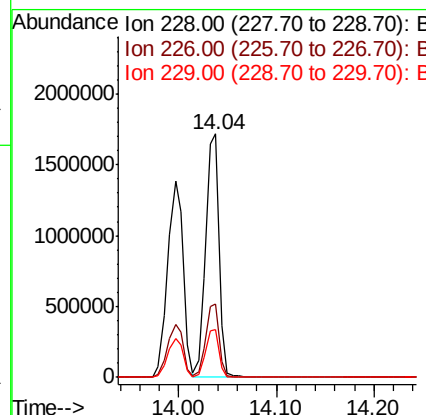
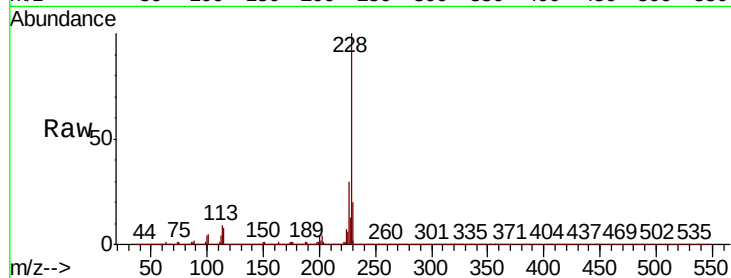
#83  
 Chrysene  
 Concen: 51.889 ng  
 RT: 14.04 min Scan# 2360  
 Delta R.T. 0.01 min  
 Lab File: BP000458.D  
 Acq: 27 Sep 2019 15:31

Instrument :  
 BNA\_P  
 ClientSampleId :  
 BU-02-092419MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.3  | 24.9  | 37.3  |
| 229     | 19.8  | 16.2  | 24.2  |

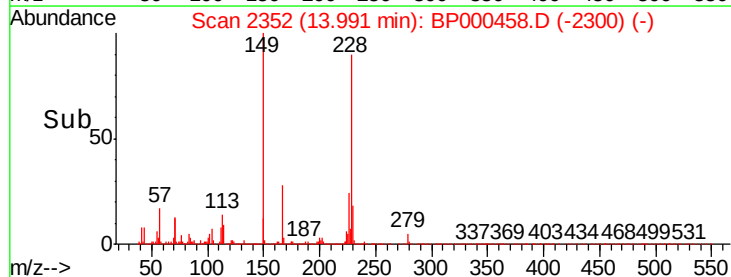
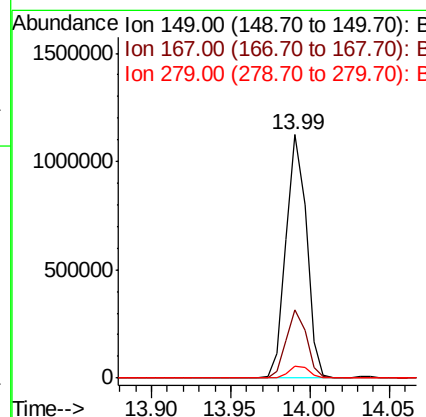
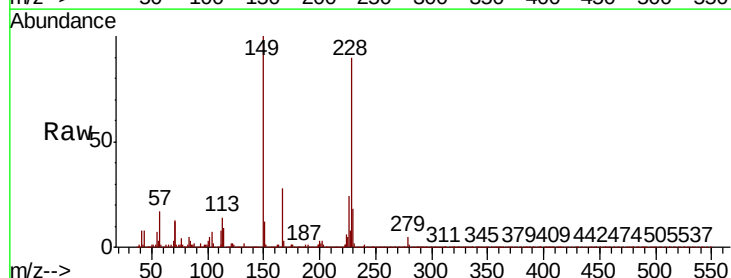
Manual Integrations  
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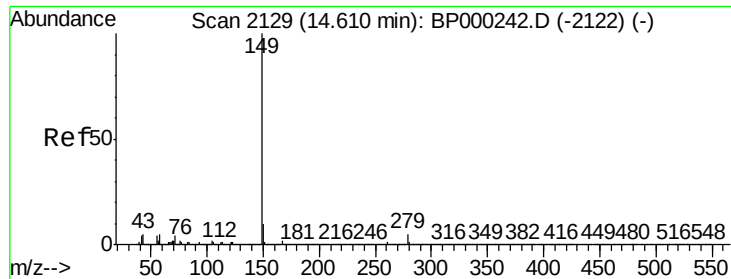
mohammad  
 9/30/2019 8:15:06 AM



#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 48.576 ng  
 RT: 13.99 min Scan# 2352  
 Delta R.T. 0.00 min  
 Lab File: BP000458.D  
 Acq: 27 Sep 2019 15:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 27.9  | 23.0  | 34.4  |
| 279     | 5.1   | 3.7   | 5.5   |





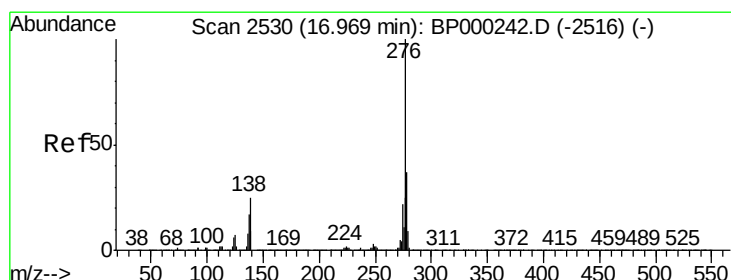
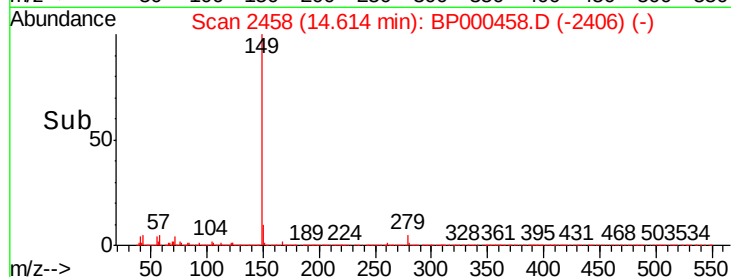
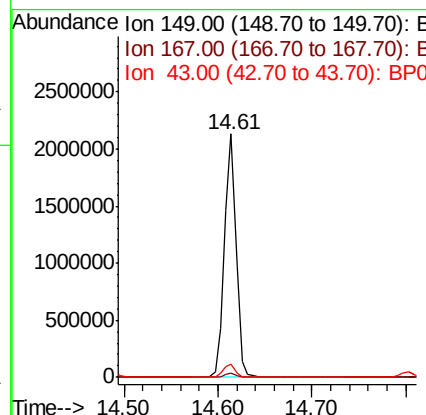
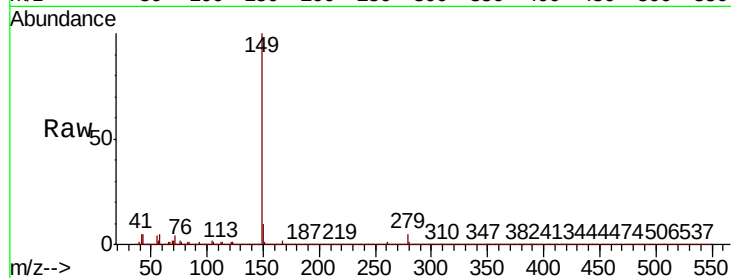
#85  
Di-n-octyl phthalate  
Concen: 47.917 ng  
RT: 14.61 min Scan# 2458  
Delta R.T. 0.00 min  
Lab File: BP000458.D  
Acq: 27 Sep 2019 15:31

Instrument :  
BNA\_P  
ClientSampleId :  
BU-02-092419MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 1.6   | 1.4   | 2.0   |
| 43      | 5.6   | 5.0   | 7.6   |

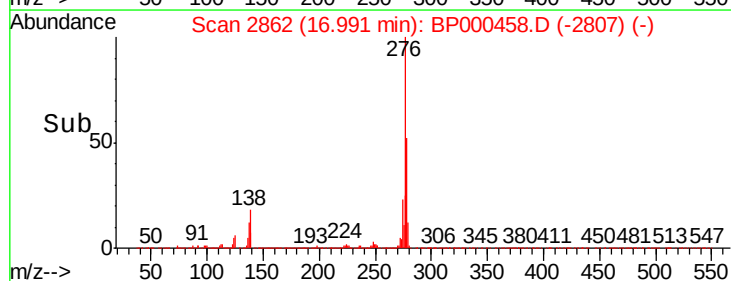
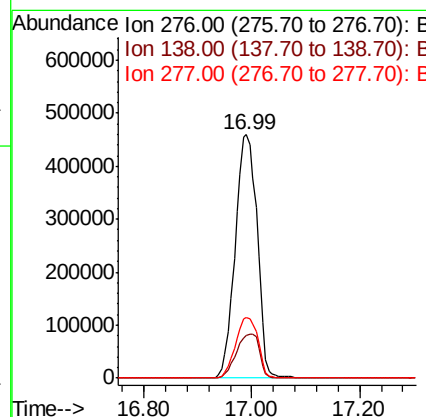
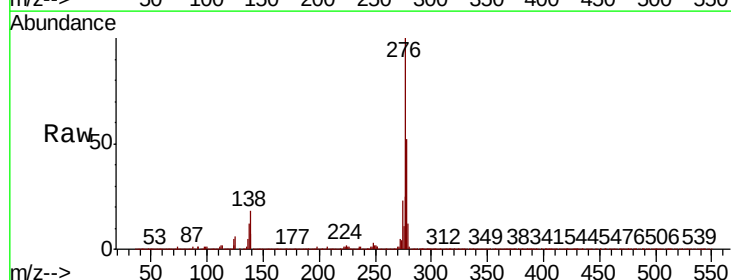
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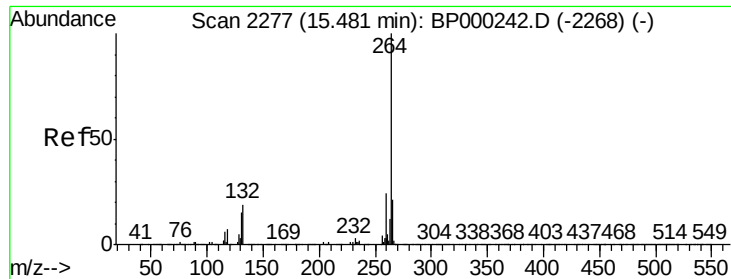


#86  
Indeno(1,2,3-cd)pyrene  
Concen: 34.321 ng  
RT: 16.99 min Scan# 2862  
Delta R.T. 0.02 min  
Lab File: BP000458.D  
Acq: 27 Sep 2019 15:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 19.0  | 22.6  | 33.8# |
| 277     | 25.5  | 20.4  | 30.6  |







#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2607

Delta R.T. 0.01 min

Lab File: BP000458.D

Acq: 27 Sep 2019 15:31

Instrument :

BNA\_P

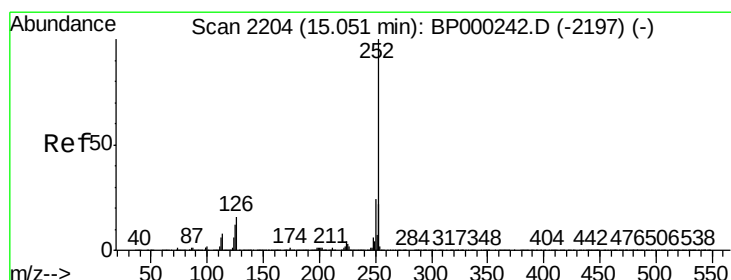
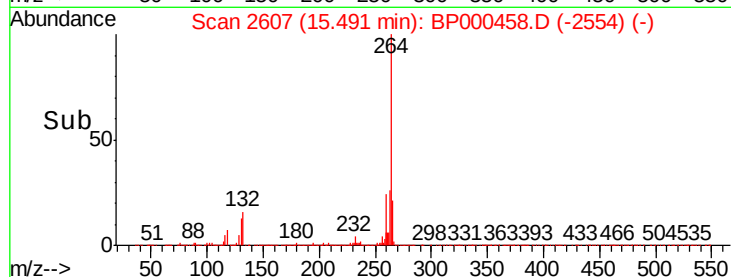
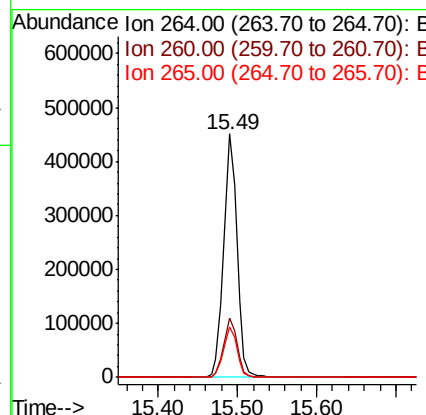
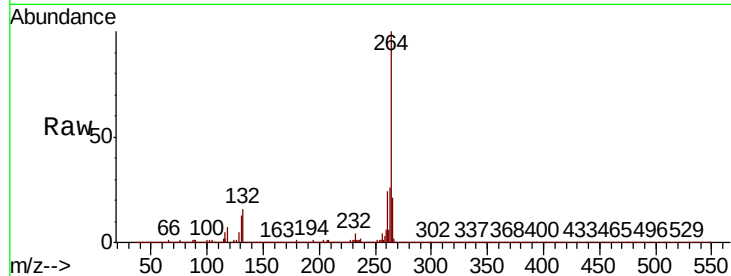
ClientSampleId :

BU-02-092419MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 264   | Resp: | 530442 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 24.3  | 18.9  | 28.3   |
| 265       | 20.9  | 17.2  | 25.8   |

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#88

Benzo(b)fluoranthene

Concen: 52.933 ng

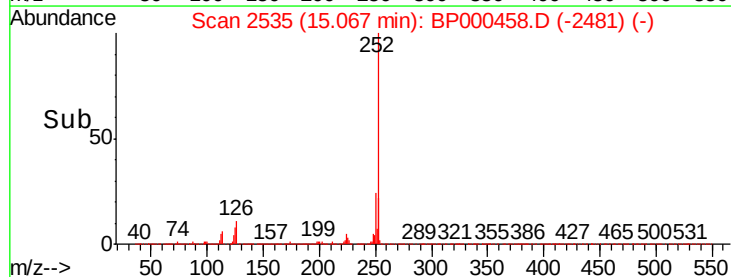
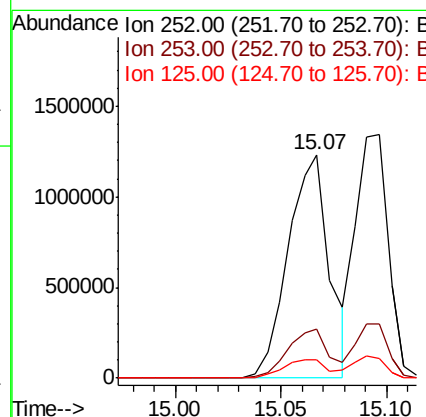
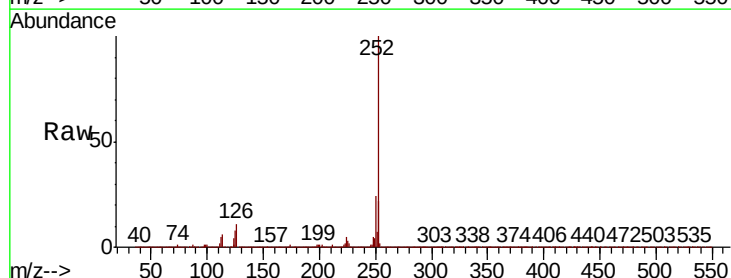
RT: 15.07 min Scan# 2535

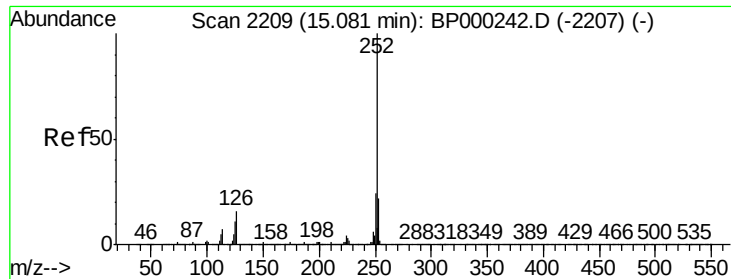
Delta R.T. 0.02 min

Lab File: BP000458.D

Acq: 27 Sep 2019 15:31

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 252   | Resp: | 1675017 |
| Ion Ratio | Lower | Upper |         |
| 252       | 100   |       |         |
| 253       | 22.1  | 17.8  | 26.6    |
| 125       | 8.3   | 9.5   | 14.3#   |





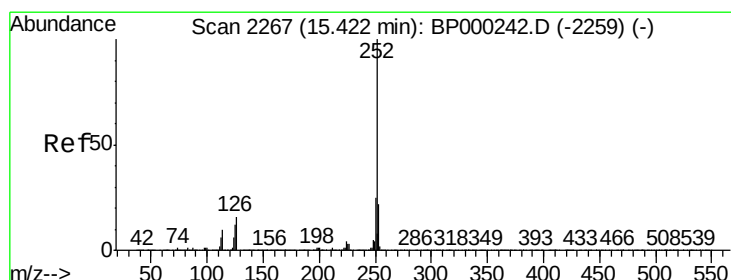
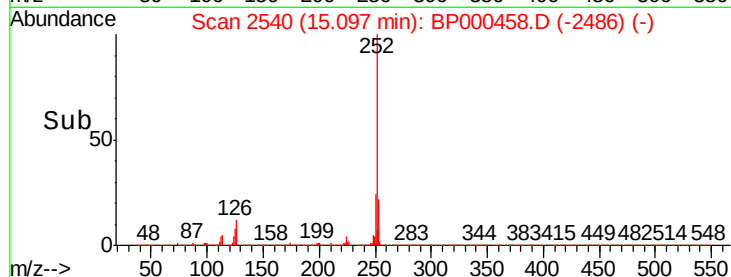
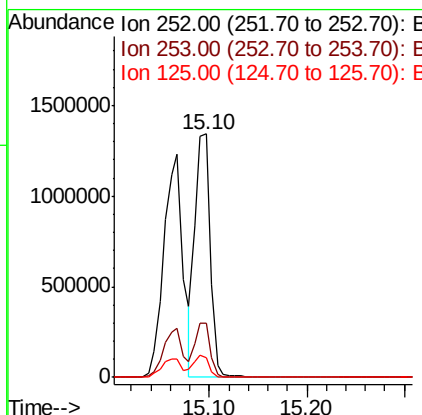
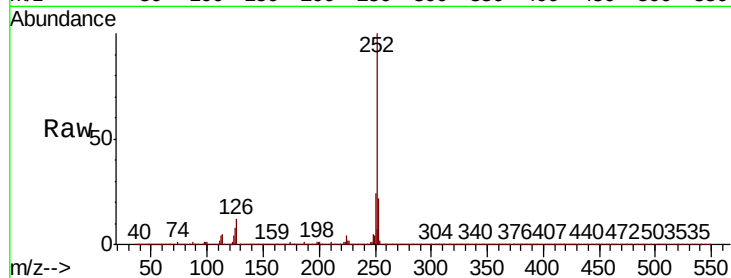
#89  
Benzo(k)fluoranthene  
Concen: 53.033 ng  
RT: 15.10 min Scan# 2540  
Delta R.T. 0.02 min  
Lab File: BP000458.D  
Acq: 27 Sep 2019 15:31

Instrument :  
BNA\_P  
ClientSampleId :  
BU-02-092419MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.2  | 17.8  | 26.8  |
| 125     | 8.2   | 9.6   | 14.4  |

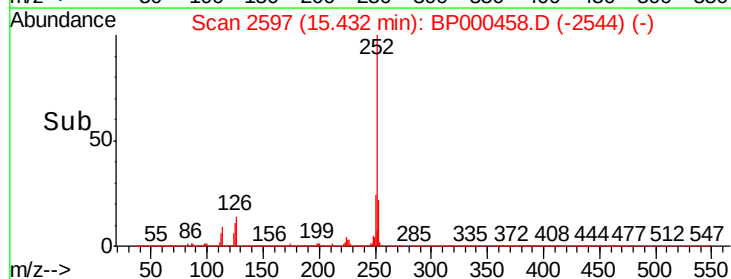
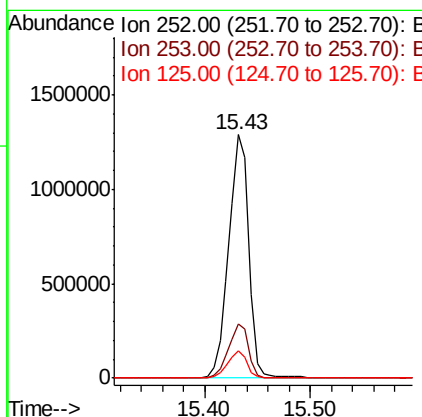
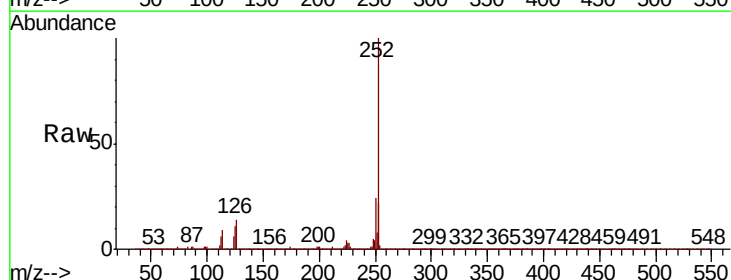
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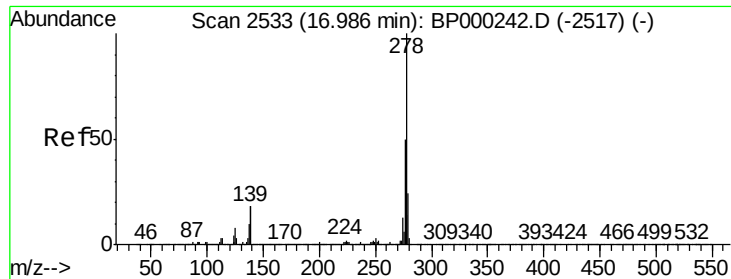
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#90  
Benzo(a)pyrene  
Concen: 58.341 ng  
RT: 15.43 min Scan# 2597  
Delta R.T. 0.01 min  
Lab File: BP000458.D  
Acq: 27 Sep 2019 15:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.2  | 17.7  | 26.5  |
| 125     | 11.1  | 10.0  | 15.0  |





#91

Dibenzo(a,h)anthracene

Concen: 41.134 ng

RT: 17.01 min Scan# 2865

Delta R.T. 0.02 min

Lab File: BP000458.D

Acq: 27 Sep 2019 15:31

Instrument :

BNA\_P

ClientSampleId :

BU-02-092419MSD

Tot Ion:278 Resp: 1104255

Ion Ratio Lower Upper

278 100

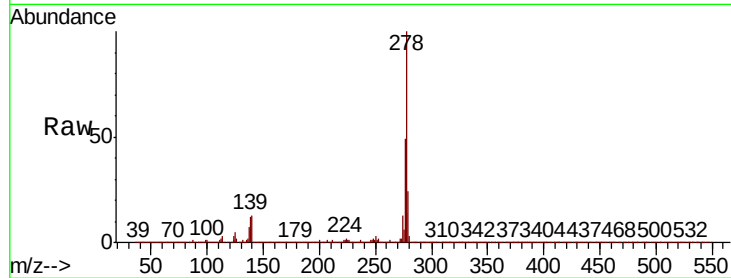
139 12.8 14.5 21.7#

279 24.3 19.0 28.6

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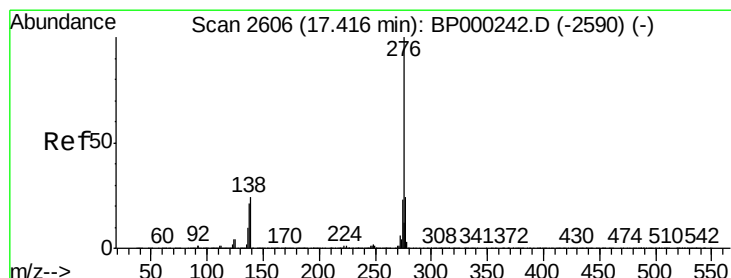
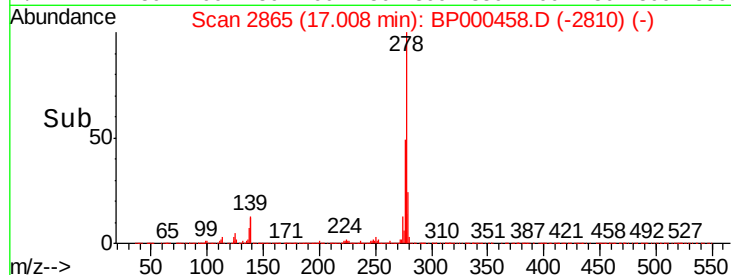
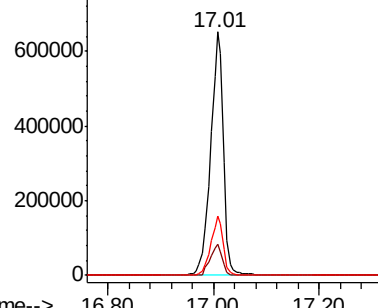


Abundance

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: 38.822 ng

RT: 17.44 min Scan# 2939

Delta R.T. 0.03 min

Lab File: BP000458.D

Acq: 27 Sep 2019 15:31

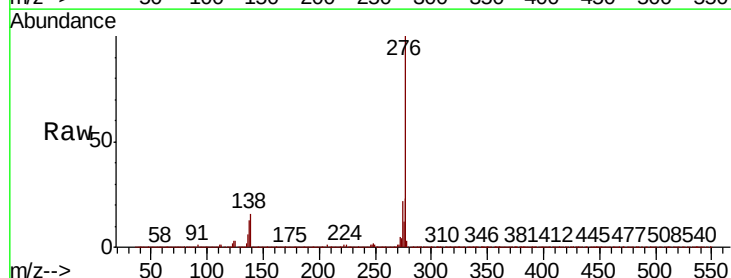
Tgt Ion:276 Resp: 1071261

Ion Ratio Lower Upper

276 100

277 23.3 19.1 28.7

138 15.6 19.5 29.3#



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

