

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091219\  
 Data File : BF117011.D  
 Acq On : 13 Sep 2019 00:44  
 Operator : HP/JU  
 Sample : K4712-08MSD  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-4-20-22MSD

Manual Integrations  
 APPROVED

mohammad  
 9/16/2019 9:00:04 AM

Quant Time: Sep 13 08:45:50 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 12 08:24:39 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.83  | 152  | 54797    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.10  | 136  | 215109   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.86  | 164  | 116238   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.34 | 188  | 192665   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 13.97 | 240  | 137785   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.42 | 264  | 129910   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |        |        |    |      |
|--------------------------|-------|-----|--------|--------|----|------|
| 5) 2-Fluorophenol        | 5.45  | 112 | 343640 | 101.60 | ng | 0.01 |
| 7) Phenol-d6             | 6.46  | 99  | 432510 | 97.38  | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.39  | 82  | 365518 | 97.00  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.65 | 330 | 116380 | 149.77 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 9.18  | 172 | 657492 | 95.42  | ng | 0.00 |
| 79) Terphenyl-d14        | 12.92 | 244 | 697691 | 93.67  | ng | 0.00 |

## Target Compounds

|                                |      |     |        |        |    | Qvalue |
|--------------------------------|------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.60 | 88  | 52320  | 33.508 | ng | 100    |
| 3) Pyridine                    | 3.35 | 79  | 107758 | 23.836 | ng | 98     |
| 4) n-Nitrosodimethylamine      | 3.26 | 42  | 52517  | 33.829 | ng | 93     |
| 6) Aniline                     | 6.49 | 93  | 86797  | 14.110 | ng | # 91   |
| 8) 2-Chlorophenol              | 6.62 | 128 | 143716 | 38.922 | ng | 94     |
| 9) Benzaldehyde                | 6.37 | 77  | 86323  | 29.501 | ng | 97     |
| 10) Phenol                     | 6.47 | 94  | 163997 | 33.345 | ng | 92     |
| 11) bis(2-Chloroethyl)ether    | 6.56 | 93  | 152458 | 39.811 | ng | 97     |
| 12) 1,3-Dichlorobenzene        | 6.77 | 146 | 166294 | 39.849 | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 6.85 | 146 | 173586 | 41.781 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 7.00 | 146 | 162287 | 42.150 | ng | 98     |
| 15) Benzyl Alcohol             | 6.97 | 79  | 149862 | 41.567 | ng | 99     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.10 | 45  | 151011 | 33.610 | ng | 99     |
| 17) 2-Methylphenol             | 7.08 | 107 | 115202 | 35.641 | ng | 99     |
| 18) Hexachloroethane           | 7.34 | 117 | 61331  | 37.995 | ng | 98     |
| 19) n-Nitroso-di-n-propylamine | 7.24 | 70  | 119700 | 40.931 | ng | 96     |
| 20) 3+4-Methylphenols          | 7.23 | 107 | 146105 | 38.876 | ng | # 60   |
| 22) Acetophenone               | 7.23 | 105 | 244197 | 47.153 | ng | # 93   |
| 24) Nitrobenzene               | 7.40 | 77  | 181783 | 47.435 | ng | 95     |
| 25) Isophorone                 | 7.65 | 82  | 335019 | 43.877 | ng | 99     |
| 26) 2-Nitrophenol              | 7.72 | 139 | 68407  | 48.012 | ng | 98     |
| 27) 2,4-Dimethylphenol         | 7.76 | 122 | 127923 | 44.457 | ng | 98     |
| 28) bis(2-Chloroethoxy)methane | 7.85 | 93  | 202184 | 43.332 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 7.96 | 162 | 117876 | 42.627 | ng | 100    |
| 30) 1,2,4-Trichlorobenzene     | 8.05 | 180 | 135166 | 45.065 | ng | 99     |
| 31) Naphthalene                | 8.13 | 128 | 477856 | 46.717 | ng | 100    |
| 32) Benzoic acid               | 7.86 | 122 | 44577  | 27.437 | ng | 98     |
| 33) 4-Chloroaniline            | 8.17 | 127 | 42001  | 9.021  | ng | 98     |
| 34) Hexachlorobutadiene        | 8.25 | 225 | 76364  | 46.694 | ng | 99     |
| 35) Caprolactam                | 8.53 | 113 | 34326m | 33.168 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 8.66 | 107 | 140944 | 44.346 | ng | 96     |
| 37) 2-Methylnaphthalene        | 8.82 | 142 | 331677 | 48.735 | ng | 98     |
| 38) 1-Methylnaphthalene        | 8.92 | 142 | 309011 | 48.099 | ng | 100    |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.99 | 216 | 134177 | 48.154 | ng | 97     |

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Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-4-20-22MSD

Manual Integrations  
 APPROVED

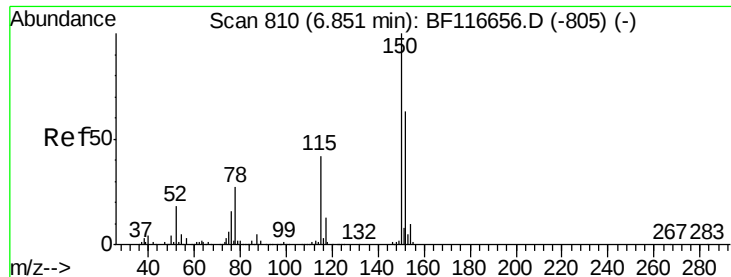
mohammad  
 9/16/2019 9:00:04 AM

Quant Time: Sep 13 08:45:50 2019  
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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 8.97  | 237  | 27966    | 17.380 | nq    | 95       |
| 43) 2,4,6-Trichlorophenol      | 9.10  | 196  | 78478    | 41.086 | nq    | 97       |
| 44) 2,4,5-Trichlorophenol      | 9.14  | 196  | 89899    | 45.334 | nq    | 98       |
| 46) 1,1'-Biphenyl              | 9.28  | 154  | 397943   | 45.117 | nq    | 99       |
| 47) 2-Chloronaphthalene        | 9.30  | 162  | 314553   | 45.026 | nq    | 97       |
| 48) 2-Nitroaniline             | 9.40  | 65   | 101743   | 50.376 | nq    | 97       |
| 49) Acenaphthylene             | 9.72  | 152  | 496251   | 46.992 | nq    | 99       |
| 50) Dimethylphthalate          | 9.57  | 163  | 446235   | 55.605 | nq    | 100      |
| 51) 2,6-Dinitrotoluene         | 9.64  | 165  | 78332    | 51.160 | nq    | 88       |
| 52) Acenaphthene               | 9.89  | 154  | 286166   | 44.103 | nq    | 100      |
| 53) 3-Nitroaniline             | 9.80  | 138  | 46541    | 24.255 | nq    | 99       |
| 54) 2,4-Dinitrophenol          | 9.92  | 184  | 10045    | 25.440 | nq    | # 75     |
| 55) Dibenzofuran               | 10.06 | 168  | 444696   | 48.617 | nq    | 98       |
| 56) 4-Nitrophenol              | 9.97  | 139  | 103192   | 78.432 | nq    | 94       |
| 57) 2,4-Dinitrotoluene         | 10.05 | 165  | 104604   | 55.873 | nq    | 98       |
| 58) Fluorene                   | 10.40 | 166  | 359882   | 51.635 | nq    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.18 | 232  | 71598    | 50.028 | nq    | 97       |
| 60) Diethylphthalate           | 10.27 | 149  | 380698   | 47.358 | nq    | 99       |
| 61) 4-Chlorophenyl-phenylether | 10.39 | 204  | 156371   | 51.235 | nq    | 96       |
| 62) 4-Nitroaniline             | 10.42 | 138  | 88219    | 47.375 | nq    | 99       |
| 63) Azobenzene                 | 10.55 | 77   | 392436   | 46.818 | nq    | 98       |
| 65) 4,6-Dinitro-2-methylphenol | 10.46 | 198  | 9217     | 18.424 | nq    | 90       |
| 66) n-Nitrosodiphenylamine     | 10.51 | 169  | 320716   | 48.120 | nq    | 99       |
| 67) 4-Bromophenyl-phenylether  | 10.88 | 248  | 91149    | 46.571 | nq    | # 91     |
| 68) Hexachlorobenzene          | 10.96 | 284  | 96972    | 47.355 | nq    | 94       |
| 69) Atrazine                   | 11.04 | 200  | 91909    | 49.237 | nq    | 97       |
| 70) Pentachlorophenol          | 11.15 | 266  | 86141    | 86.959 | nq    | 97       |
| 71) Phenanthrene               | 11.36 | 178  | 521097   | 48.587 | nq    | 99       |
| 72) Anthracene                 | 11.42 | 178  | 542014   | 50.204 | nq    | 99       |
| 73) Carbazole                  | 11.57 | 167  | 510695   | 49.659 | nq    | 100      |
| 74) Di-n-butylphthalate        | 11.90 | 149  | 665451   | 50.475 | nq    | 99       |
| 75) Fluoranthene               | 12.55 | 202  | 528334   | 50.127 | nq    | 99       |
| 77) Benzidine                  | 12.67 | 184  | 234013   | 43.302 | nq    | 98       |
| 78) Pyrene                     | 12.78 | 202  | 524222   | 42.800 | nq    | 99       |
| 80) Butylbenzylphthalate       | 13.39 | 149  | 277702   | 46.623 | nq    | 93       |
| 81) Benzo(a)anthracene         | 13.96 | 228  | 427729   | 49.049 | nq    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 13.92 | 252  | 116341   | 39.478 | nq    | 98       |
| 83) Chrysene                   | 14.00 | 228  | 419485   | 46.692 | nq    | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 13.94 | 149  | 392005   | 53.316 | nq    | 99       |
| 85) Di-n-octyl phthalate       | 14.56 | 149  | 637526   | 52.985 | nq    | 99       |
| 86) Indeno(1,2,3-cd)pyrene     | 16.86 | 276  | 309110   | 42.835 | nq    | 100      |
| 88) Benzo(b)fluoranthene       | 15.00 | 252  | 379068   | 48.263 | nq    | 99       |
| 89) Benzo(k)fluoranthene       | 15.03 | 252  | 363753   | 50.795 | nq    | 99       |
| 90) Benzo(a)pyrene             | 15.36 | 252  | 338922   | 49.599 | nq    | 98       |
| 91) Dibenzo(a,h)anthracene     | 16.87 | 278  | 264372   | 44.201 | nq    | 100      |
| 92) Benzo(g,h,i)perylene       | 17.29 | 276  | 238899   | 39.164 | nq    | 98       |

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





#1

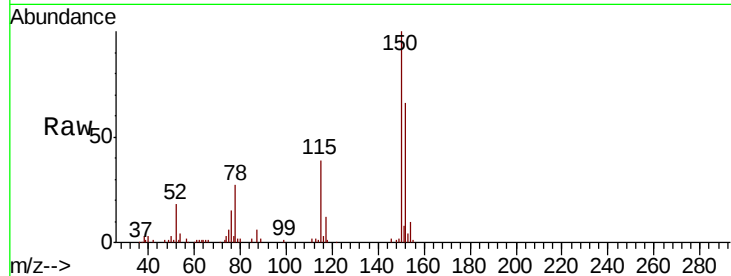
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.83 min Scan# 806  
Delta R.T. 0.00 min  
Lab File: BF117011.D  
Acq: 13 Sep 2019 00:44

Instrument :  
BNA\_F  
ClientSampled :  
SB-4-20-22MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 151.4 | 126.2 | 189.2 |
| 115     | 59.6  | 50.2  | 75.2  |

Manual Integrations  
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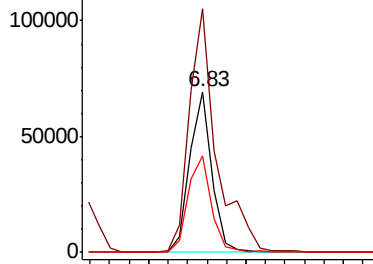


Abundance

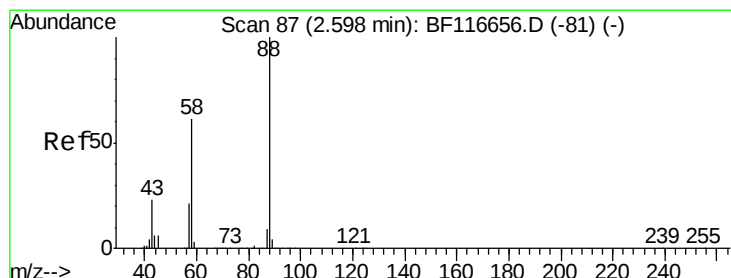
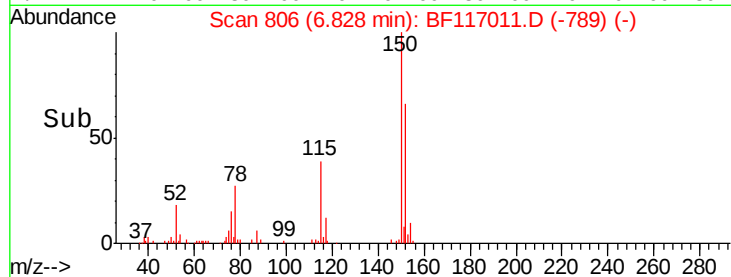
Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



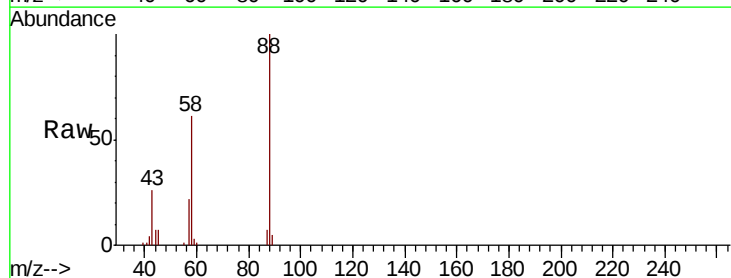
Time-->



#2

1,4-Dioxane  
Concen: 33.508 ng  
RT: 2.60 min Scan# 88  
Delta R.T. 0.05 min  
Lab File: BF117011.D  
Acq: 13 Sep 2019 00:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 61.7  | 49.4  | 74.2  |
| 43      | 22.9  | 18.6  | 28.0  |

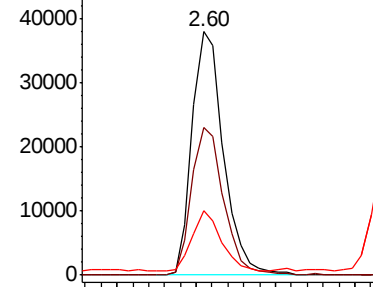


Abundance

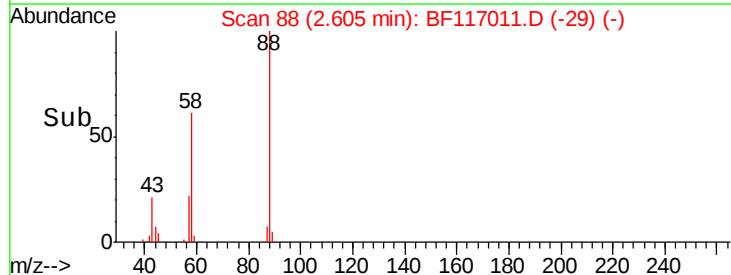
Ion 88.00 (87.70 to 88.70): BF1

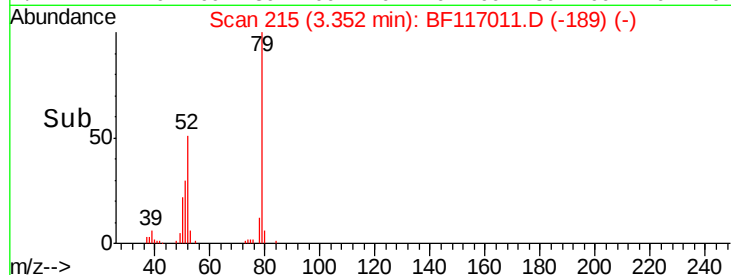
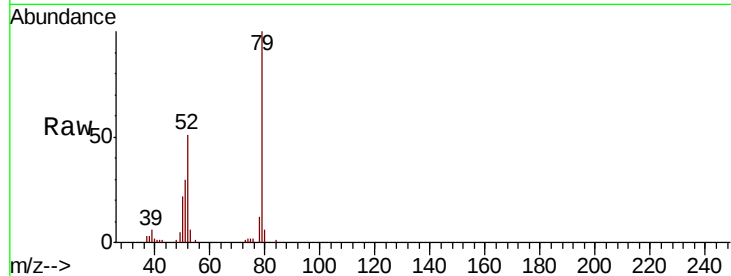
Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1



Time-->





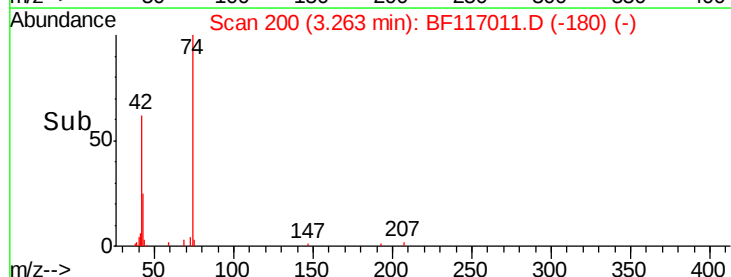
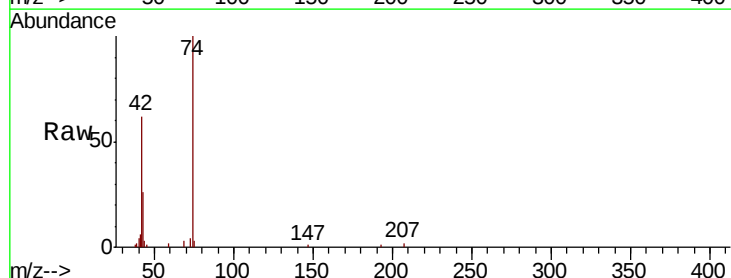
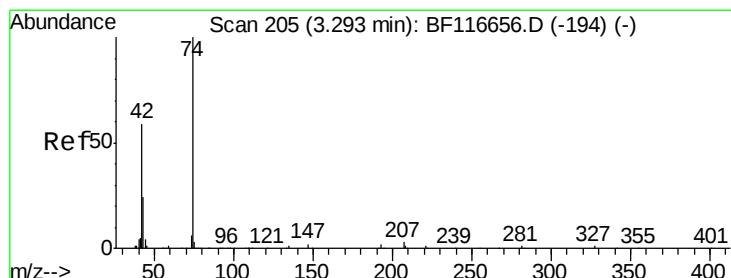
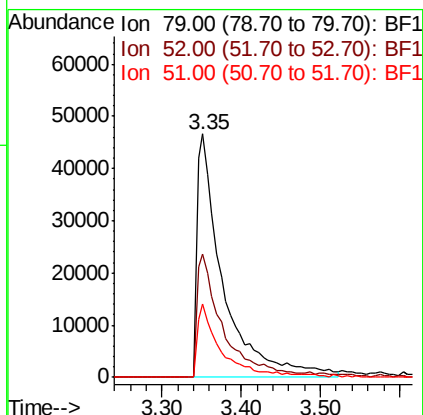
#3  
Pvridine  
Concen: 23.836 ng  
RT: 3.35 min Scan# 215  
Delta R.T. 0.05 min  
Lab File: BF117011.D  
Acq: 13 Sep 2019 00:44

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 52      | 50.8  | 40.5  | 60.7  |
| 51      | 29.9  | 22.3  | 33.5  |

Instrument :  
BNA\_F  
ClientSampleId :  
SB-4-20-22MSD

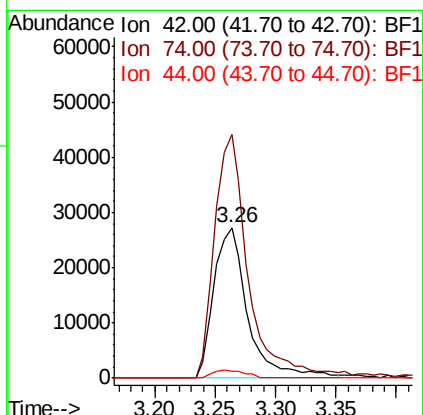
Manual Integrations  
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9/16/2019 9:00:04 AM



#4  
n-Nitrosodimethylamine  
Concen: 33.829 ng  
RT: 3.26 min Scan# 200  
Delta R.T. 0.02 min  
Lab File: BF117011.D  
Acq: 13 Sep 2019 00:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 74      | 162.1 | 137.6 | 206.4 |
| 44      | 4.8   | 4.4   | 6.6   |





#5

2-Fluorophenol

Concen: 101.596 ng

RT: 5.45 min Scan# 572

Delta R.T. 0.01 min

Lab File: BF117011.D

Acq: 13 Sep 2019 00:44

Instrument :

BNA\_F

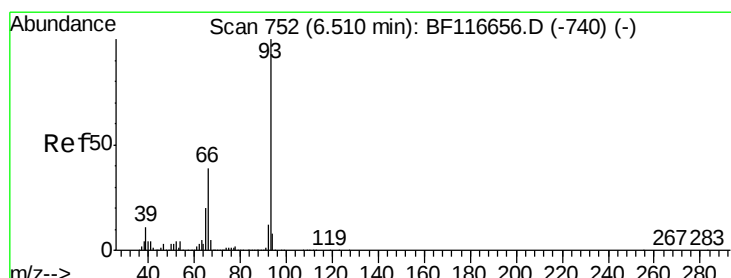
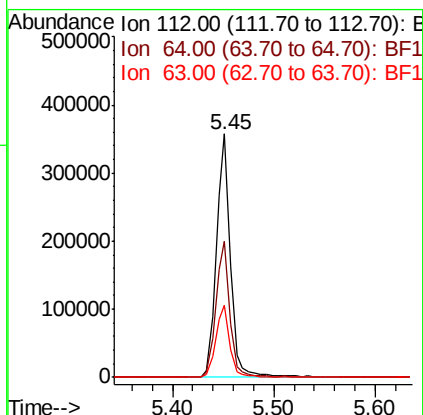
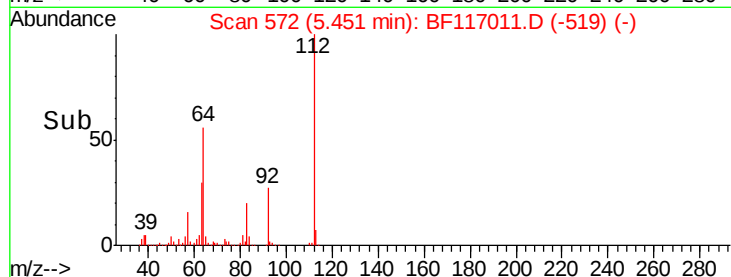
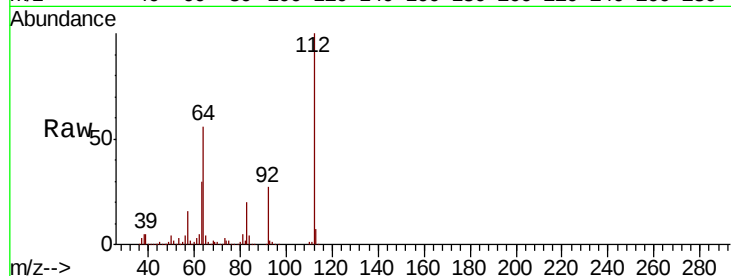
ClientSampleId :

SB-4-20-22MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 112   | Resp: | 343640 |
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 55.7  | 47.1  | 70.7   |
| 63        | 29.9  | 25.4  | 38.0   |

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#6

Aniline

Concen: 14.110 ng

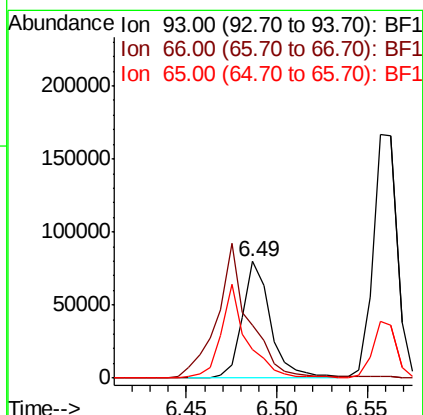
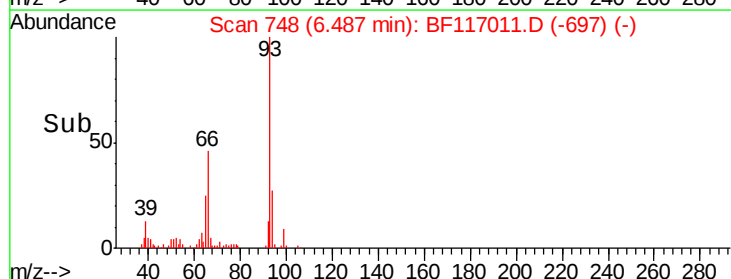
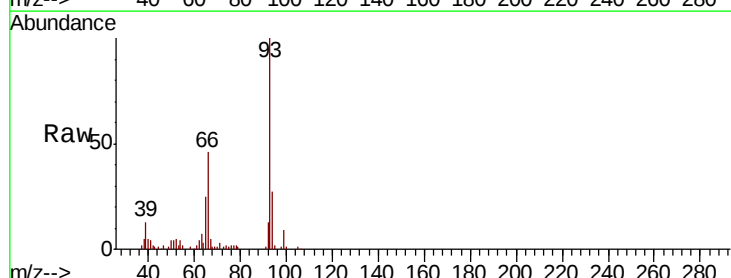
RT: 6.49 min Scan# 748

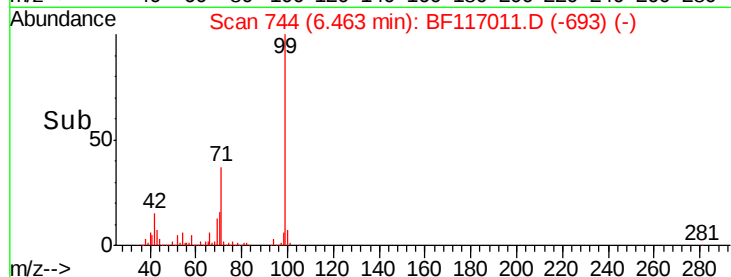
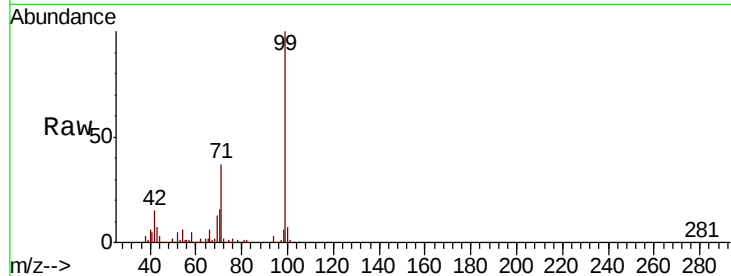
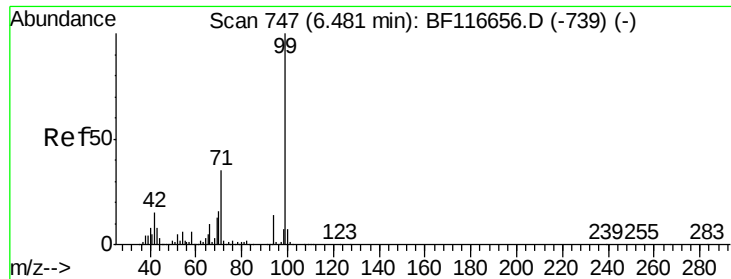
Delta R.T. 0.00 min

Lab File: BF117011.D

Acq: 13 Sep 2019 00:44

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 93    | Resp: | 86797 |
| Ion Ratio | Lower | Upper |       |
| 93        | 100   |       |       |
| 66        | 45.8  | 32.3  | 48.5  |
| 65        | 24.8  | 16.2  | 24.2  |





#7

Phenol-d6

Concen: 97.380 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.00 min

Lab File: BF117011.D

Acq: 13 Sep 2019 00:44

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 432510 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 15.0  | 12.0  | 18.0   |
| 71        | 37.3  | 29.7  | 44.5   |

Instrument :

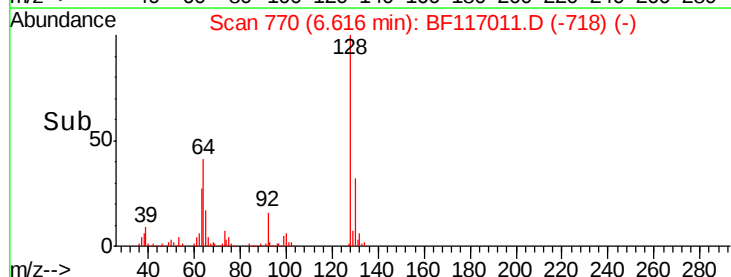
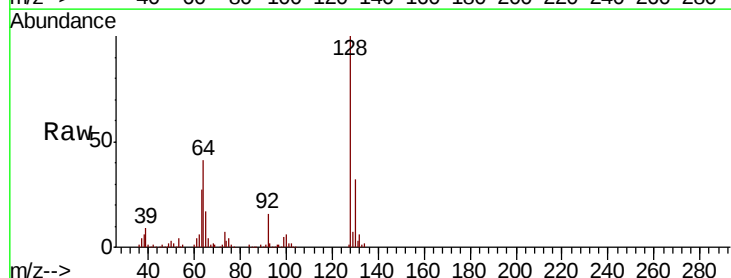
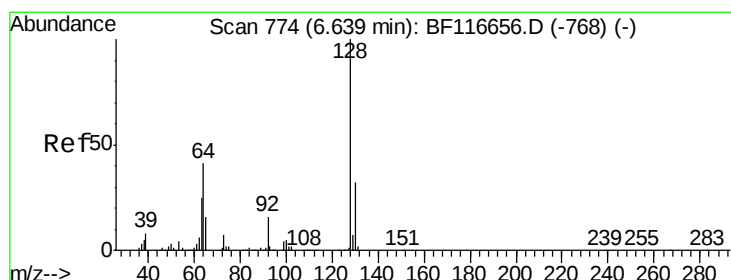
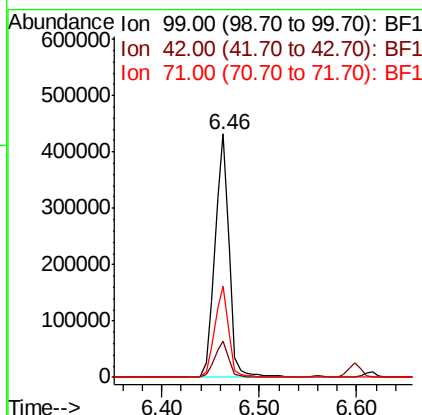
BNA\_F

ClientSampleId :

SB-4-20-22MSD

Manual Integrations  
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#8

2-Chlorophenol

Concen: 38.922 ng

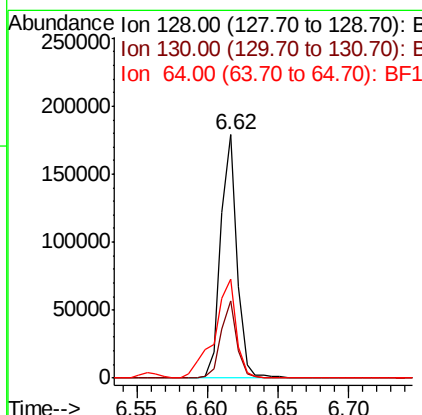
RT: 6.62 min Scan# 770

Delta R.T. 0.01 min

Lab File: BF117011.D

Acq: 13 Sep 2019 00:44

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 143716 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 130       | 32.0  | 12.4  | 52.4   |
| 64        | 40.6  | 26.5  | 66.5   |





#9

Benzaldehyde

Concen: 29.501 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.00 min

Lab File: BF117011.D

Acq: 13 Sep 2019 00:44

Instrument :

BNA\_F

ClientSampleId :

SB-4-20-22MSD

Tot Ion: 77 Resp: 86323

Ion Ratio Lower Upper

77 100

105 101.9 79.3 119.3

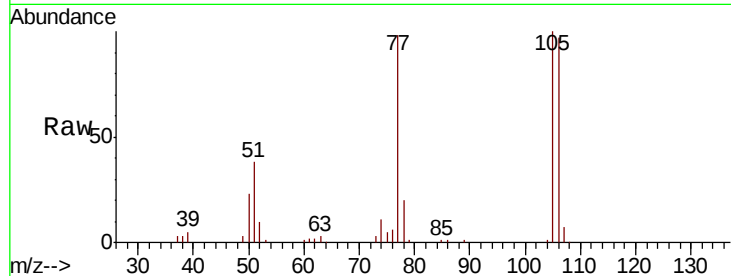
106 98.5 75.1 115.1

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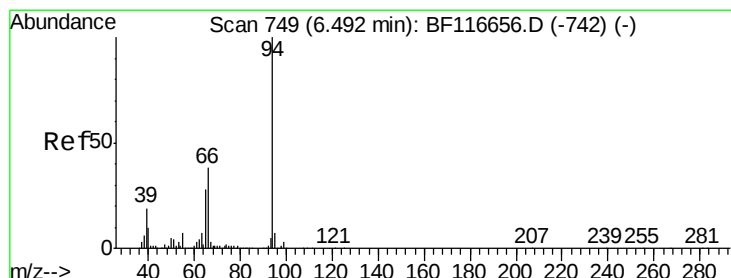
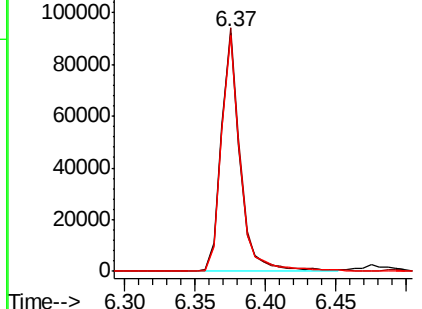
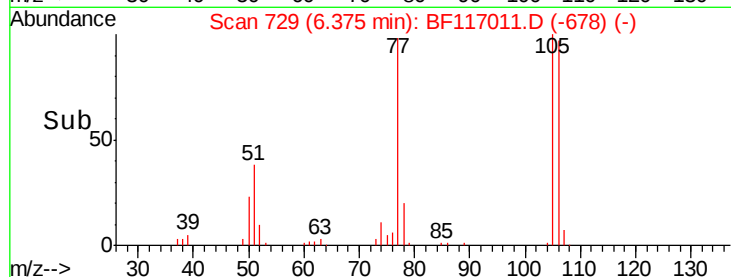
9/16/2019 9:00:04 AM



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 33.345 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.00 min

Lab File: BF117011.D

Acq: 13 Sep 2019 00:44

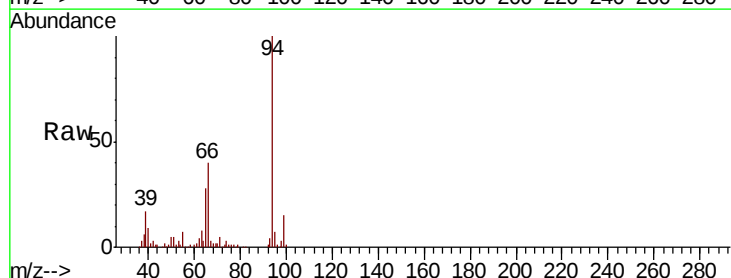
Tgt Ion: 94 Resp: 163997

Ion Ratio Lower Upper

94 100

65 27.9 12.0 52.0

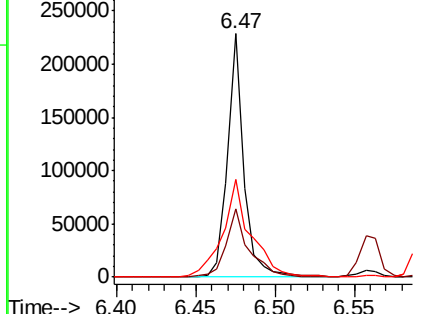
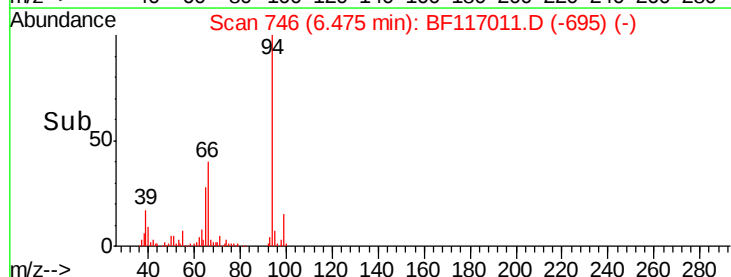
66 40.3 26.5 66.5



Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





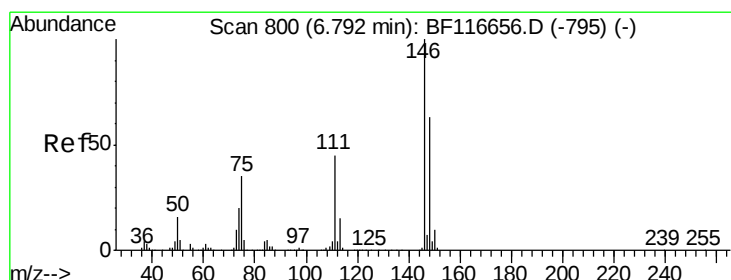
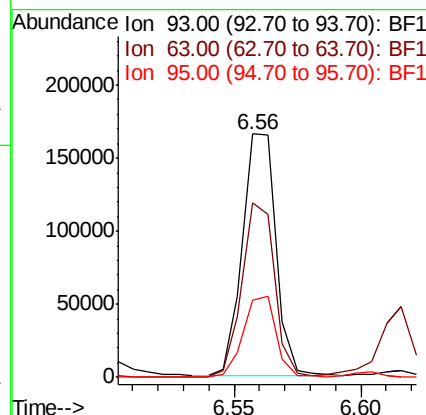
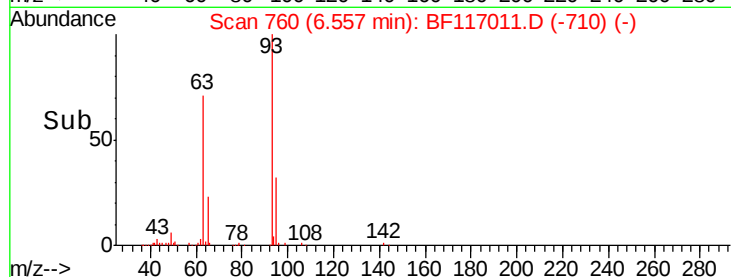
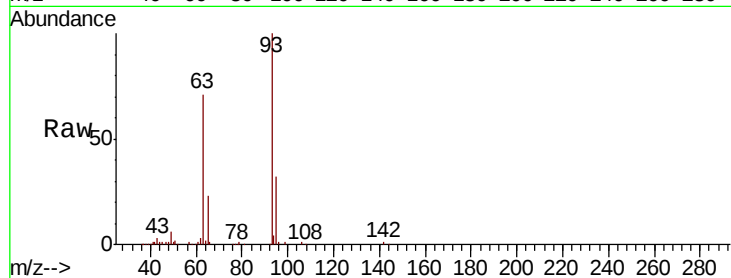
#11  
bis(2-Chloroethyl)ether  
Concen: 39.811 ng  
RT: 6.56 min Scan# 760  
Delta R.T. -0.01 min  
Lab File: BF117011.D  
Acq: 13 Sep 2019 00:44

Instrument :  
BNA\_F  
ClientSampleId :  
SB-4-20-22MSD

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 93      | 100  |       |      |       |       |
| 63      | 71.5 | 49.0  | 89.0 |       |       |
| 95      | 31.6 | 13.7  | 53.7 |       |       |

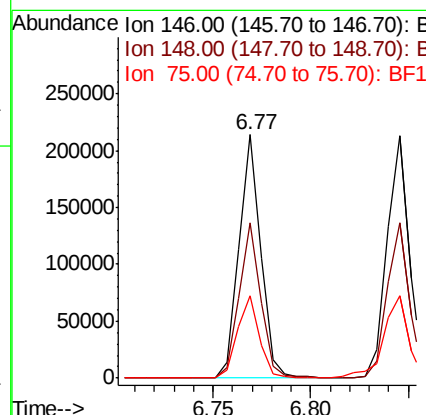
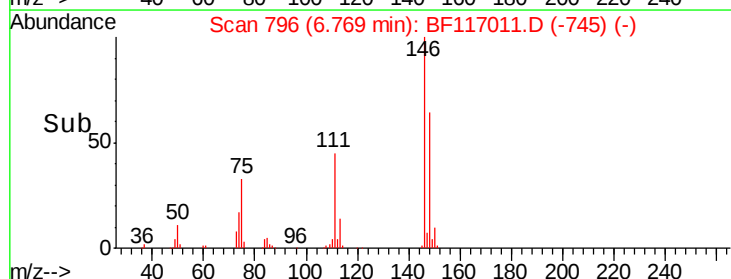
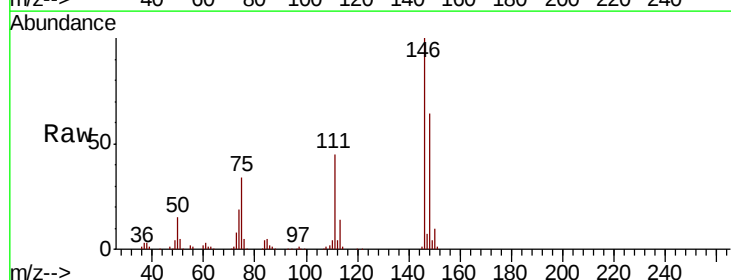
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#12  
1,3-Dichlorobenzene  
Concen: 39.849 ng  
RT: 6.77 min Scan# 796  
Delta R.T. 0.00 min  
Lab File: BF117011.D  
Acq: 13 Sep 2019 00:44

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 146     | 100  |       |      |       |       |
| 148     | 63.9 | 51.3  | 76.9 |       |       |
| 75      | 33.9 | 26.6  | 40.0 |       |       |





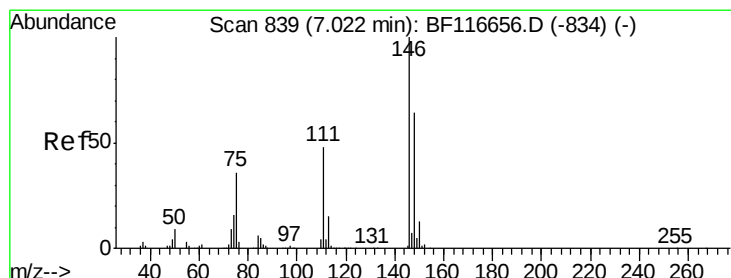
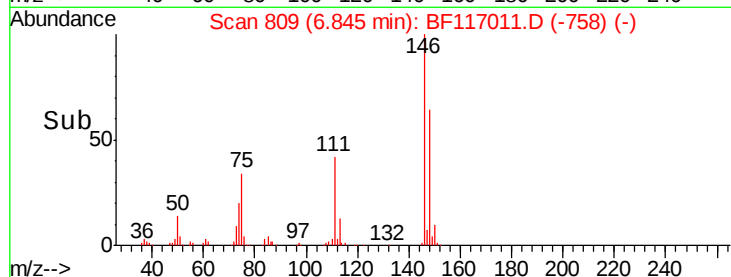
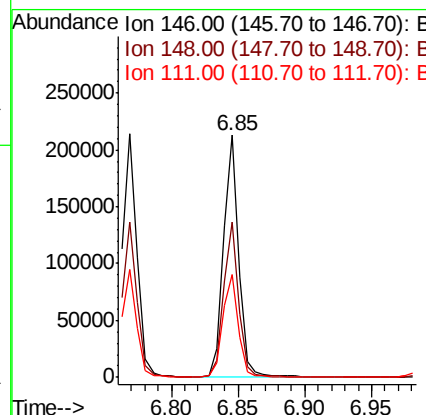
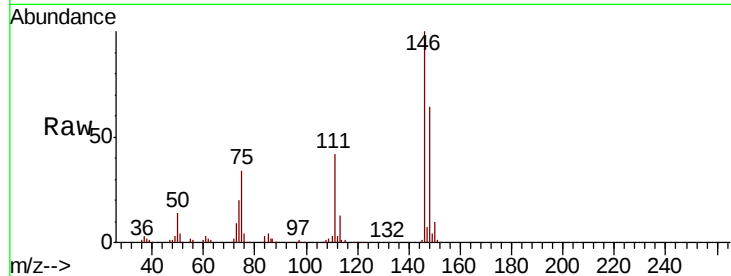
#13  
 1,4-Dichlorobenzene  
 Concen: 41.781 ng  
 RT: 6.85 min Scan# 809  
 Delta R.T. 0.00 min  
 Lab File: BF117011.D  
 Acq: 13 Sep 2019 00:44

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-4-20-22MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.1  | 51.8  | 77.6  |
| 111     | 42.4  | 33.4  | 50.2  |

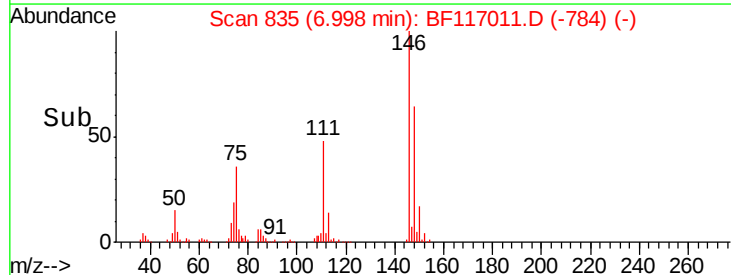
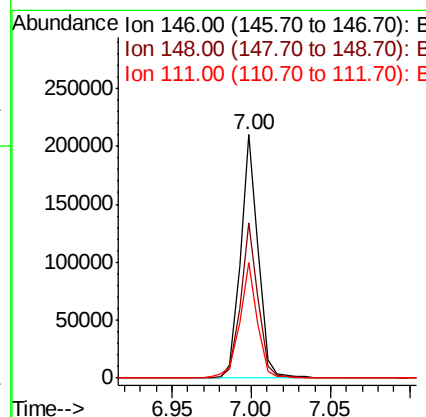
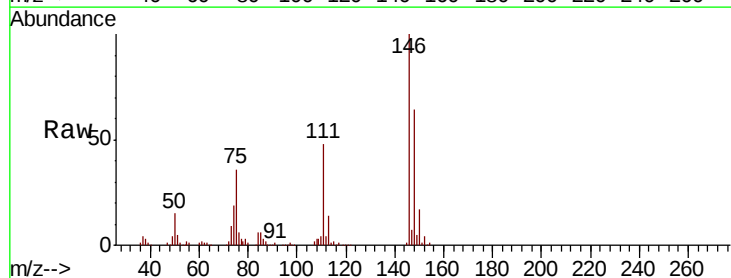
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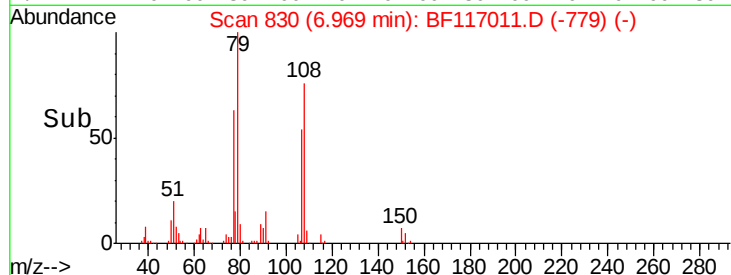
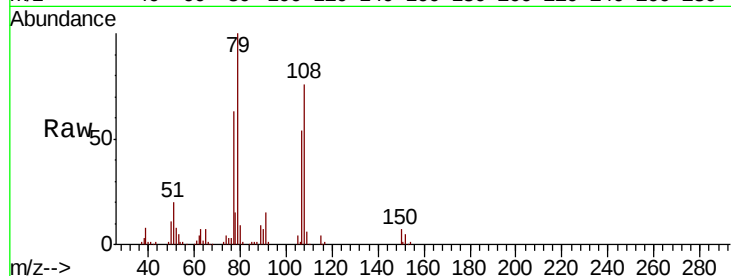
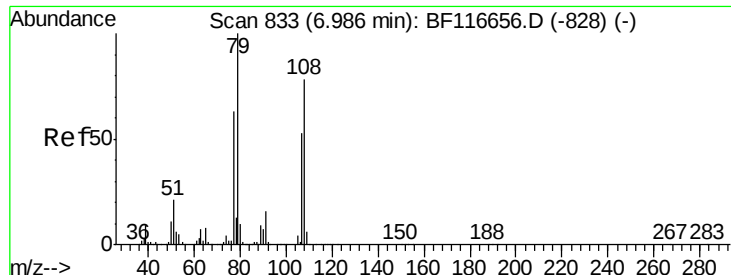
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 9/16/2019 9:00:04 AM



#14  
 1,2-Dichlorobenzene  
 Concen: 42.150 ng  
 RT: 7.00 min Scan# 835  
 Delta R.T. 0.00 min  
 Lab File: BF117011.D  
 Acq: 13 Sep 2019 00:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.6  | 51.7  | 77.5  |
| 111     | 47.7  | 37.2  | 55.8  |





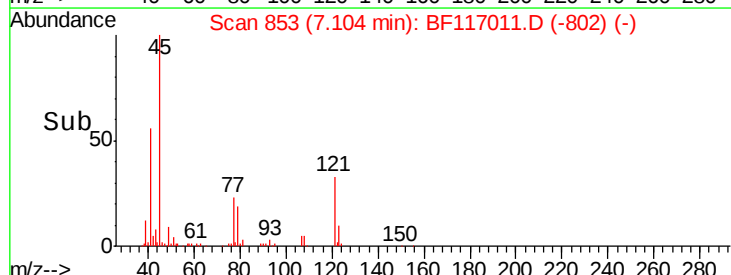
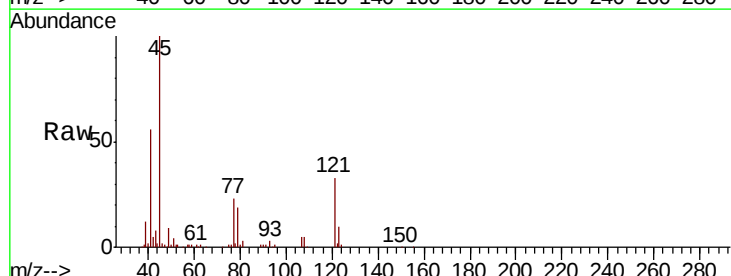
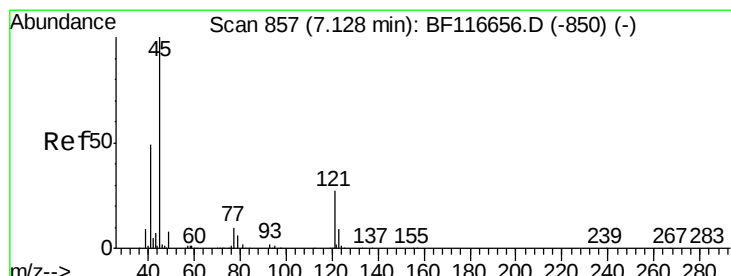
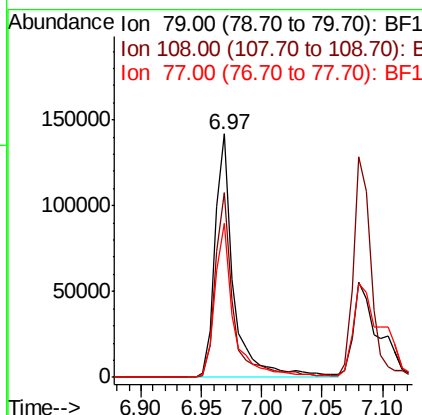
#15  
Benzyl Alcohol  
Concen: 41.567 ng  
RT: 6.97 min Scan# 830  
Delta R.T. 0.00 min  
Lab File: BF117011.D  
Acq: 13 Sep 2019 00:44

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 108     | 75.9  | 60.2  | 90.4  |
| 77      | 63.0  | 51.5  | 77.3  |

Instrument :  
BNA\_F  
ClientSampleId :  
SB-4-20-22MSD

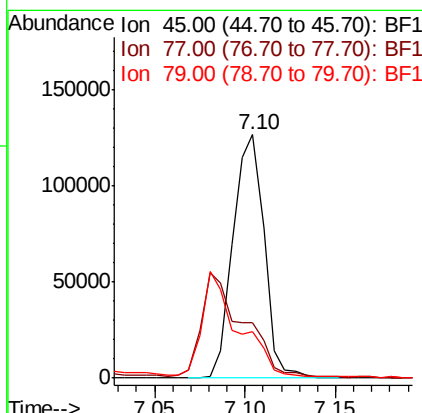
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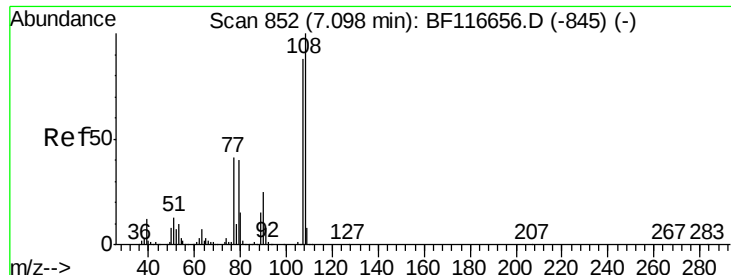
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#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 33.610 ng  
RT: 7.10 min Scan# 853  
Delta R.T. 0.00 min  
Lab File: BF117011.D  
Acq: 13 Sep 2019 00:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 77      | 23.0  | 2.7   | 42.7  |
| 79      | 19.1  | 0.0   | 38.5  |





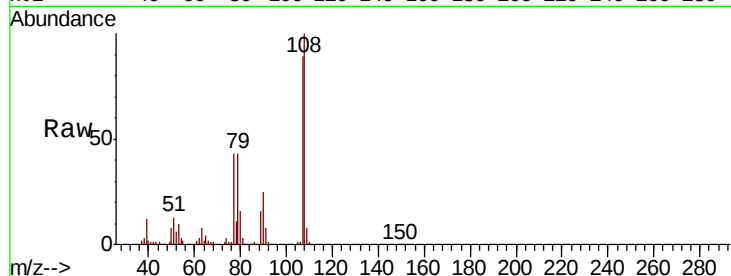
#17  
2-Methylphenol  
Concen: 35.641 ng  
RT: 7.08 min Scan# 849  
Delta R.T. 0.00 min  
Lab File: BF117011.D  
Acq: 13 Sep 2019 00:44

Instrument :  
BNA\_F  
ClientSampleId :  
SB-4-20-22MSD

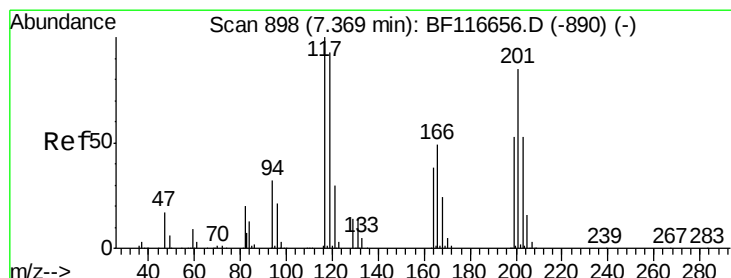
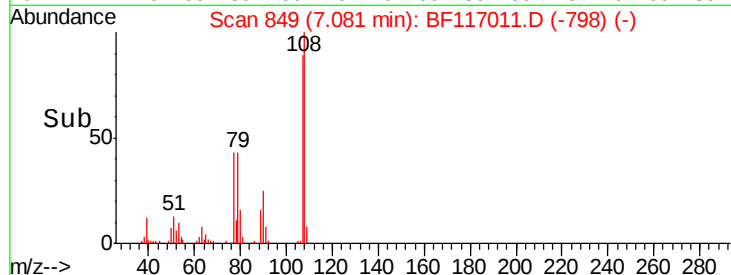
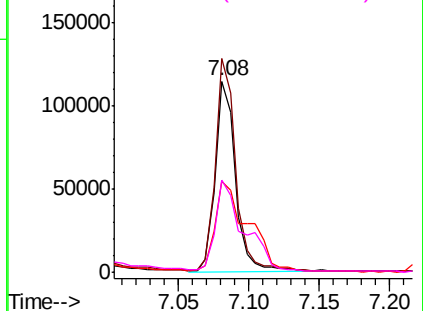
| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   |      |       |       |
| 108     | 111.9 | 90.9 | 136.3 |       |
| 77      | 47.6  | 38.6 | 58.0  |       |
| 79      | 48.4  | 38.6 | 57.8  |       |

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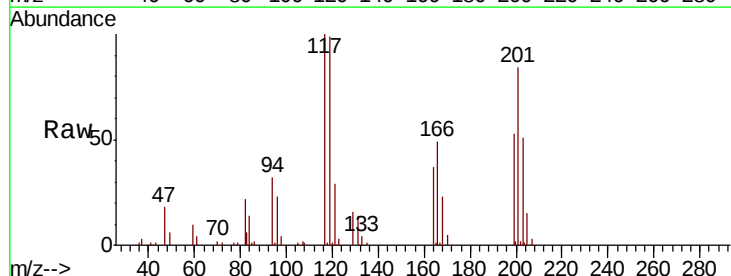


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BF1  
Ion 79.00 (78.70 to 79.70): BF1

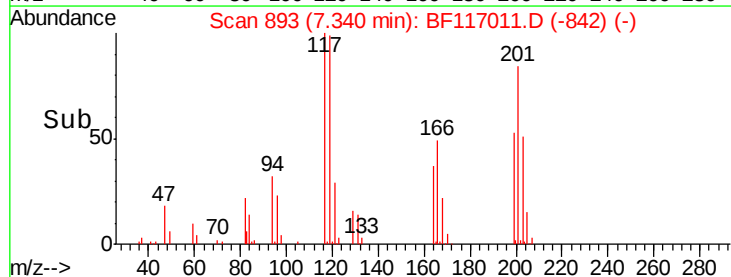
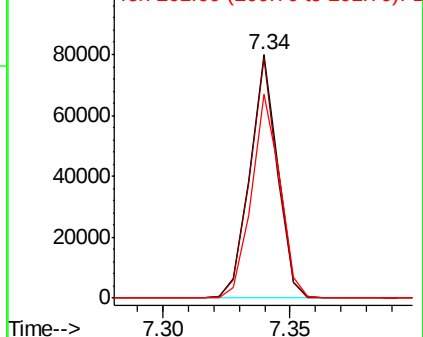


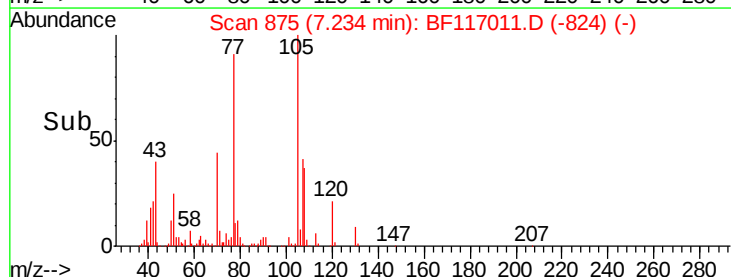
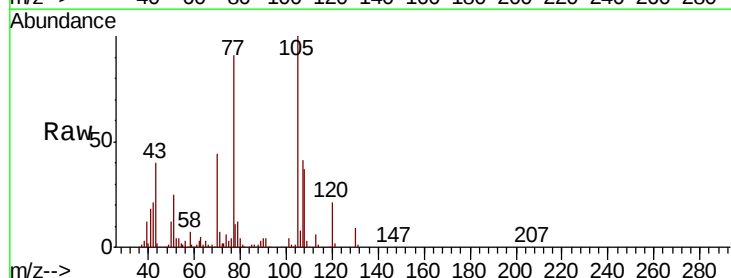
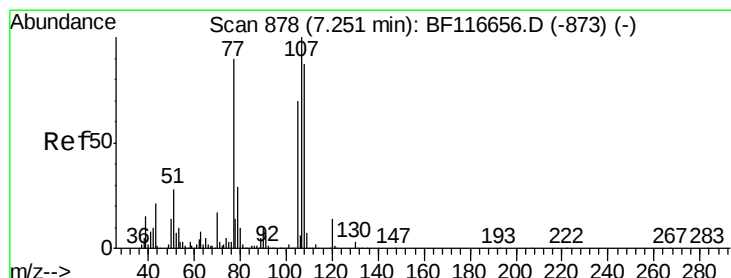
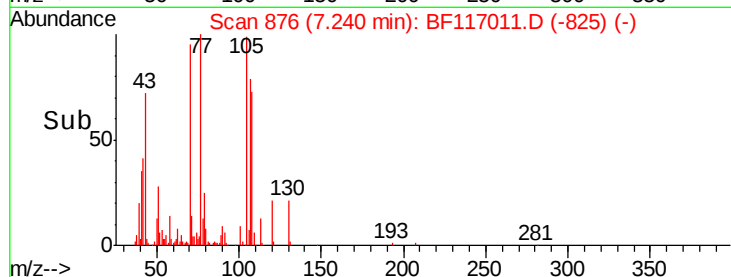
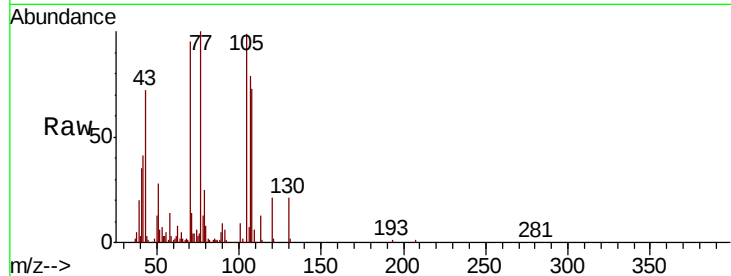
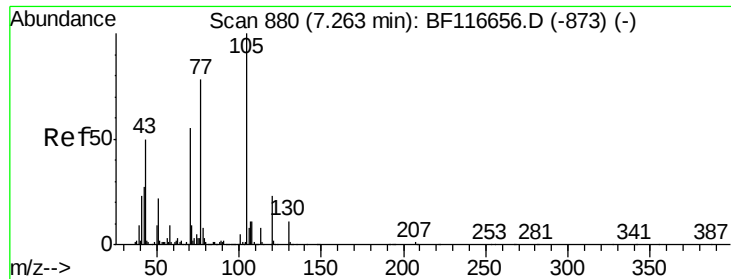
#18  
Hexachloroethane  
Concen: 37.995 ng  
RT: 7.34 min Scan# 893  
Delta R.T. 0.00 min  
Lab File: BF117011.D  
Acq: 13 Sep 2019 00:44

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 119     | 98.7  | 76.8 | 115.2 |       |
| 201     | 84.0  | 68.2 | 102.2 |       |



Abundance Ion 117.00 (116.70 to 117.70): E  
Ion 119.00 (118.70 to 119.70): E  
Ion 201.00 (200.70 to 201.70): E





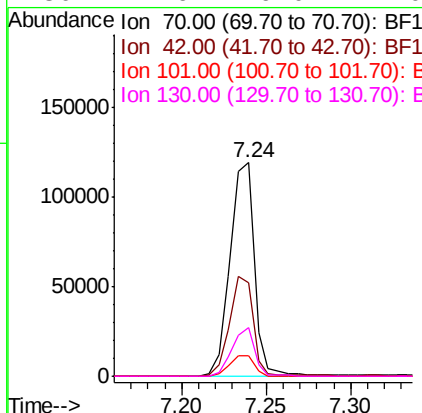
#19  
n-Nitroso-di-n-propylamine  
Concen: 40.931 ng  
RT: 7.24 min Scan# 876  
Delta R.T. 0.00 min  
Lab File: BF117011.D  
Acq: 13 Sep 2019 00:44

Instrument :  
BNA\_F  
ClientSampleId :  
SB-4-20-22MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 43.6  | 37.0  | 55.4  |
| 101     | 9.6   | 7.4   | 11.2  |
| 130     | 22.6  | 16.0  | 24.0  |

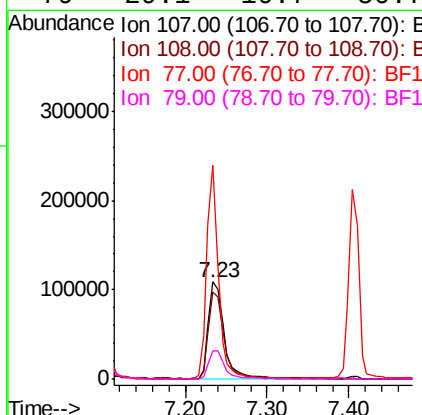
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#20  
3+4-Methylphenols  
Concen: 38.876 ng  
RT: 7.23 min Scan# 875  
Delta R.T. 0.00 min  
Lab File: BF117011.D  
Acq: 13 Sep 2019 00:44

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 107     | 100   |       |        |
| 108     | 89.9  | 71.9  | 111.9  |
| 77      | 220.8 | 112.6 | 152.6# |
| 79      | 29.1  | 10.7  | 50.7   |





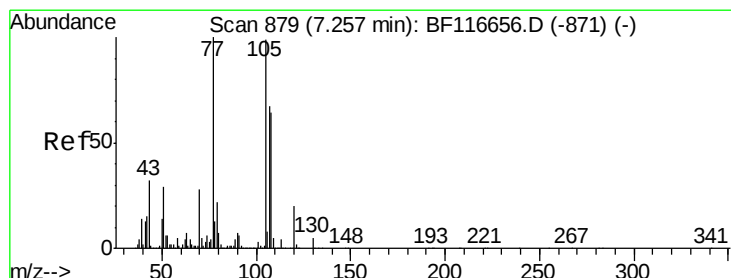
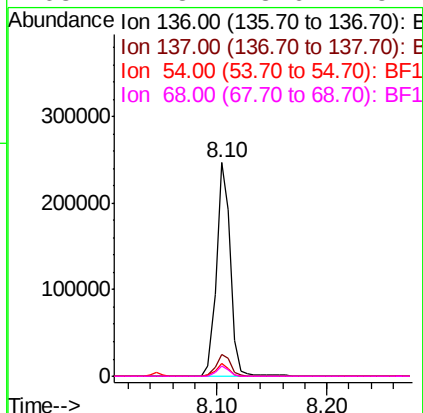
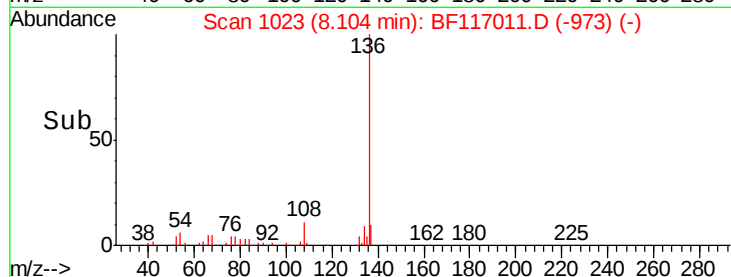
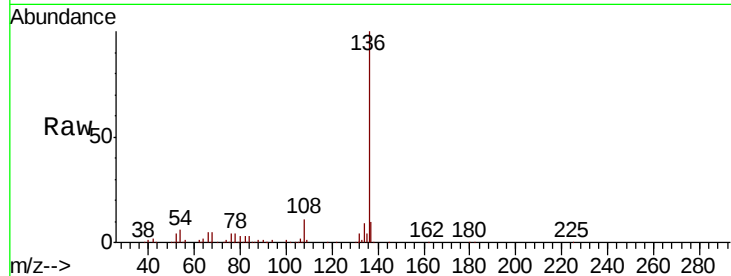
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.10 min Scan# 1023  
Delta R.T. -0.01 min  
Lab File: BF117011.D  
Acq: 13 Sep 2019 00:44

Instrument :  
BNA\_F  
ClientSampleId :  
SB-4-20-22MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 136     | 100   | 215109 |       |       |
| 137     | 10.4  | 8.5    | 12.7  |       |
| 54      | 5.9   | 3.8    | 5.8   |       |
| 68      | 4.8   | 3.6    | 5.4   |       |

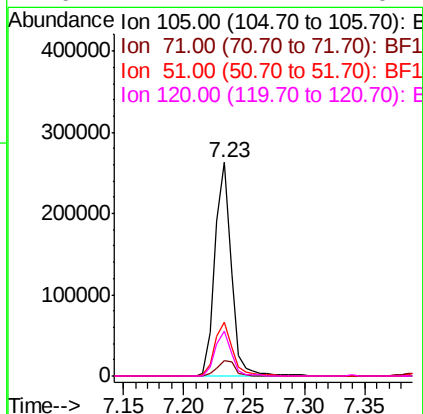
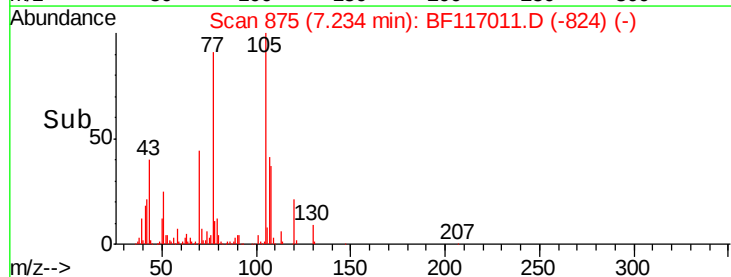
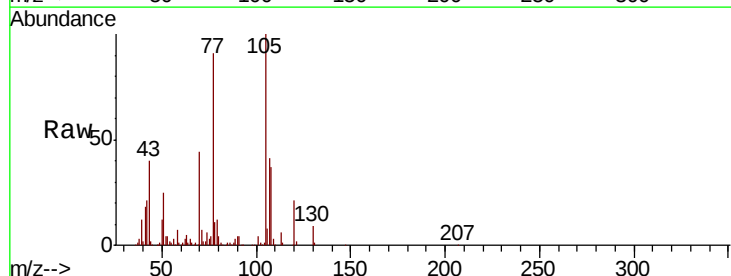
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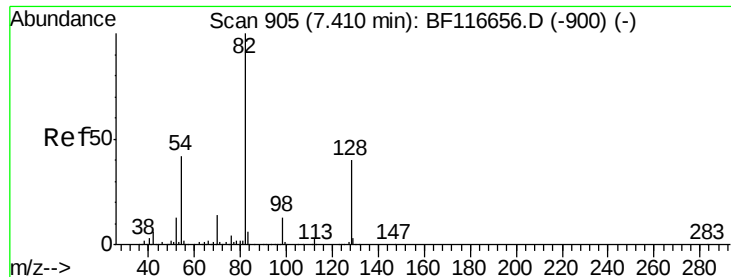
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#22  
Acetophenone  
Concen: 47.153 ng  
RT: 7.23 min Scan# 875  
Delta R.T. 0.00 min  
Lab File: BF117011.D  
Acq: 13 Sep 2019 00:44

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 244197 |       |       |
| 71      | 7.0   | 4.2    | 6.4   |       |
| 51      | 25.0  | 24.6   | 37.0  |       |
| 120     | 21.1  | 17.4   | 26.2  |       |





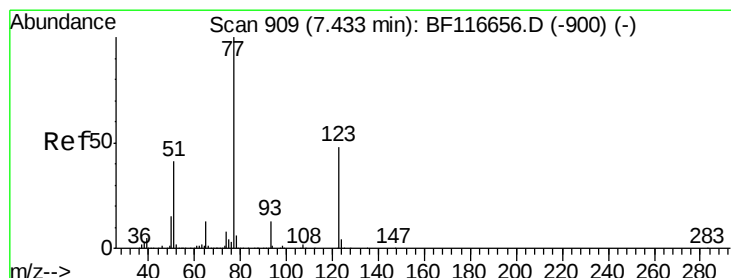
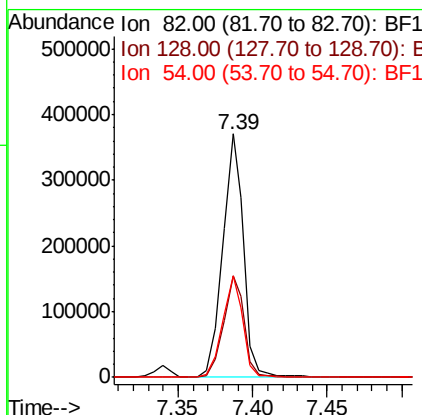
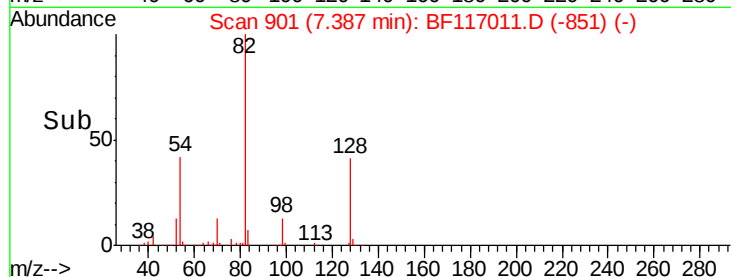
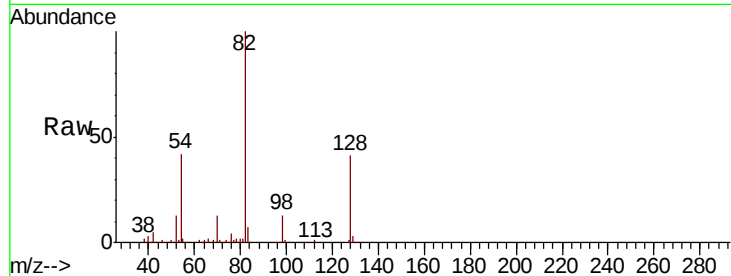
#23  
 Nitrobenzene-d5  
 Concen: 97.004 ng  
 RT: 7.39 min Scan# 901  
 Delta R.T. -0.01 min  
 Lab File: BF117011.D  
 Acq: 13 Sep 2019 00:44

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-4-20-22MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 41.5  | 35.0  | 52.4  |
| 54      | 41.8  | 32.6  | 48.8  |

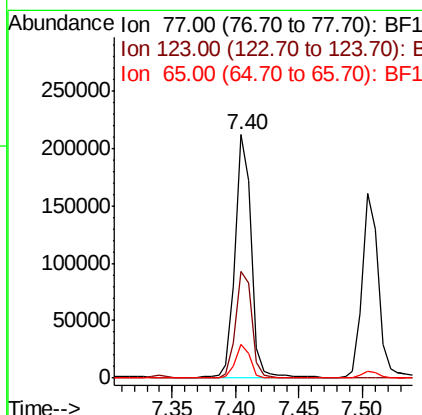
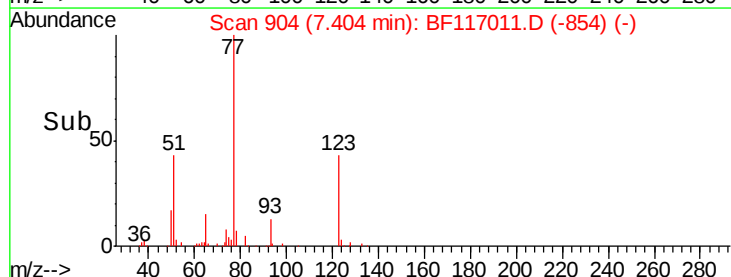
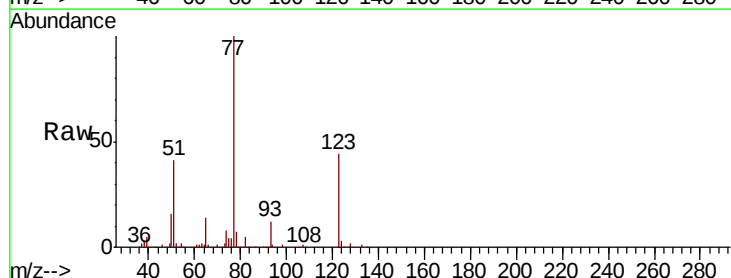
Manual Integrations  
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 9/16/2019 9:00:04 AM



#24  
 Nitrobenzene  
 Concen: 47.435 ng  
 RT: 7.40 min Scan# 904  
 Delta R.T. -0.01 min  
 Lab File: BF117011.D  
 Acq: 13 Sep 2019 00:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 43.6  | 37.7  | 56.5  |
| 65      | 14.1  | 10.3  | 15.5  |





#25

Isophorone

Concen: 43.877 ng

RT: 7.65 min Scan# 945

Delta R.T. 0.00 min

Lab File: BF117011.D

Acq: 13 Sep 2019 00:44

Instrument :

BNA\_F

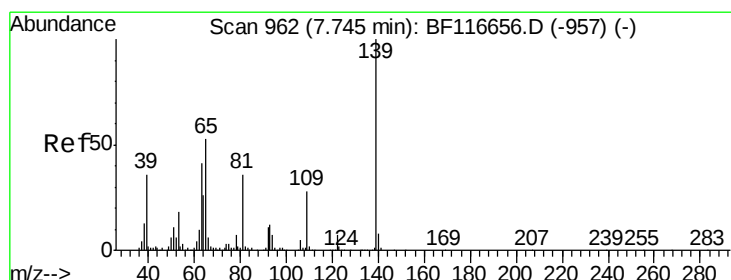
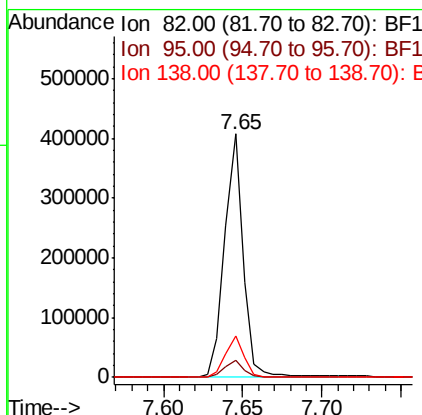
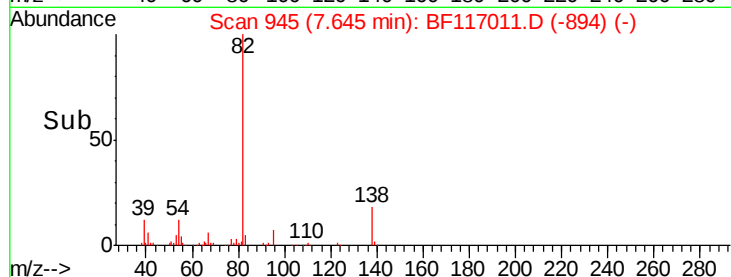
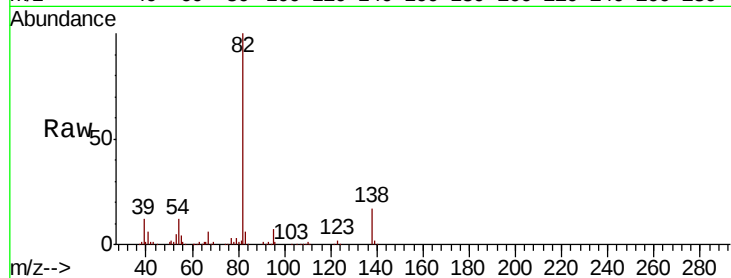
ClientSampleId :

SB-4-20-22MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 82    | Resp: | 335019 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 6.9   | 6.0   | 9.0    |
| 138       | 17.2  | 13.4  | 20.2   |

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#26

2-Nitrophenol

Concen: 48.012 ng

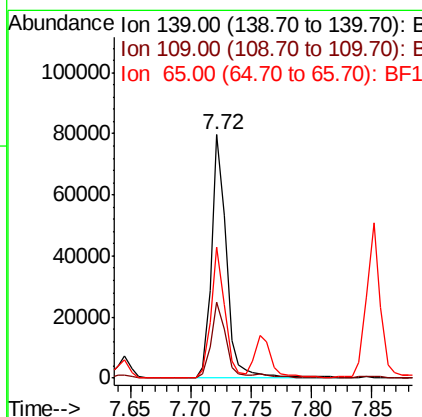
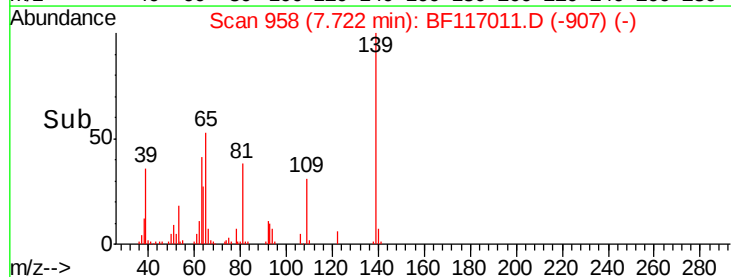
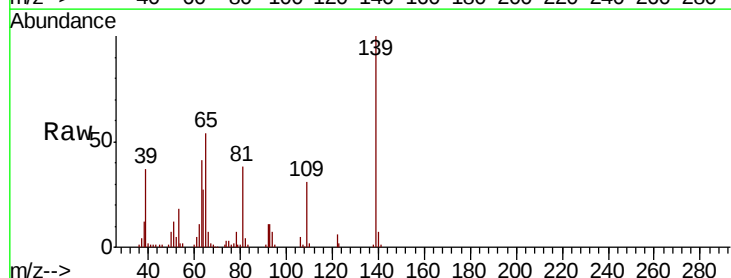
RT: 7.72 min Scan# 958

Delta R.T. 0.00 min

Lab File: BF117011.D

Acq: 13 Sep 2019 00:44

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 139   | Resp: | 68407 |
| Ion Ratio | Lower | Upper |       |
| 139       | 100   |       |       |
| 109       | 31.3  | 26.2  | 39.4  |
| 65        | 53.7  | 42.5  | 63.7  |





#27

2,4-Dimethylphenol

Concen: 44.457 ng

RT: 7.76 min Scan# 964

Delta R.T. -0.01 min

Lab File: BF117011.D

Acq: 13 Sep 2019 00:44

Instrument :

BNA\_F

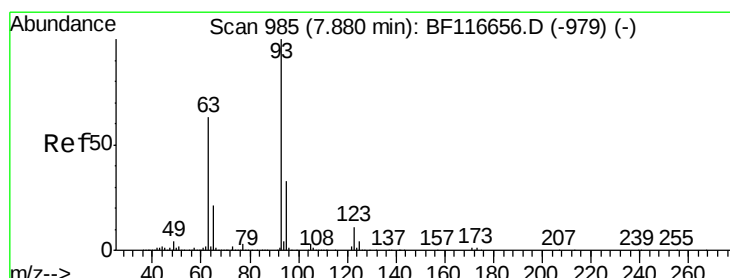
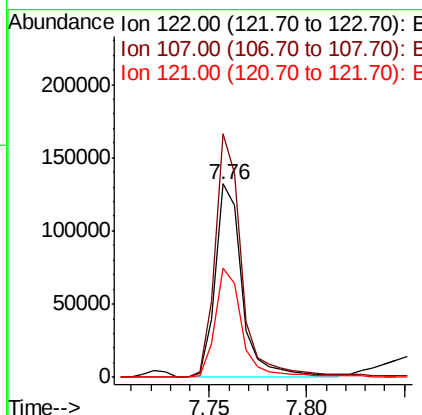
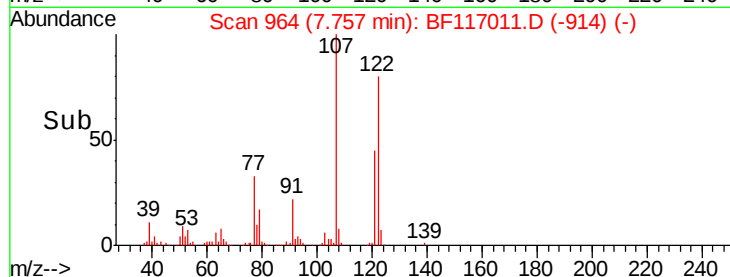
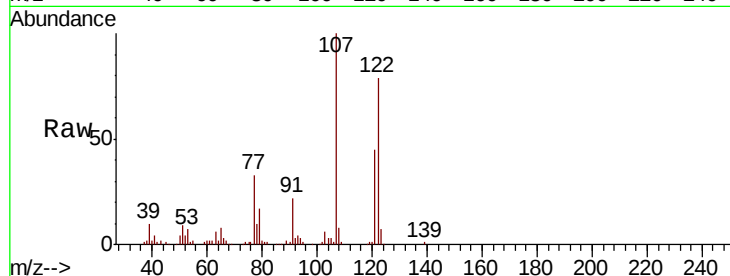
ClientSampleId :

SB-4-20-22MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 122   | Resp: | 127923 |
| Ion Ratio | Lower | Upper |        |
| 122       | 100   |       |        |
| 107       | 125.9 | 98.8  | 148.2  |
| 121       | 56.4  | 44.8  | 67.2   |

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#28

bis(2-Chloroethoxy)methane

Concen: 43.332 ng

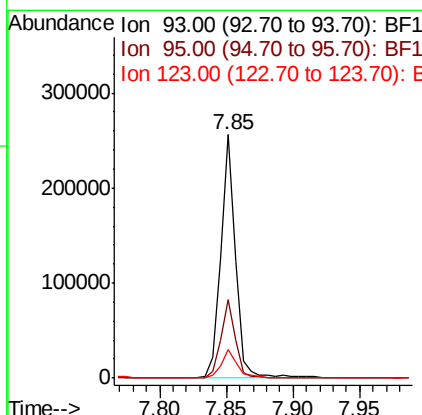
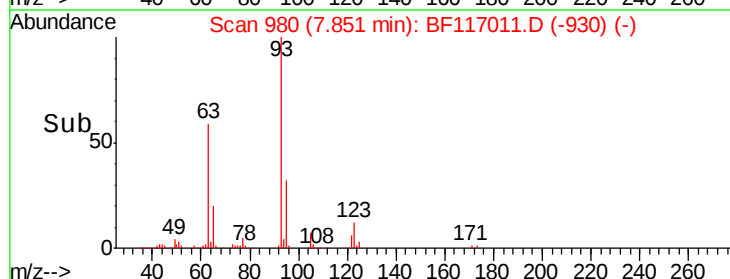
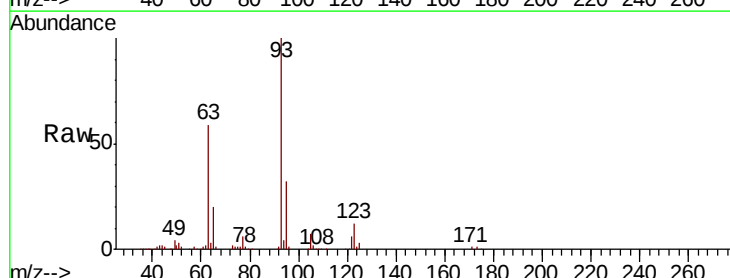
RT: 7.85 min Scan# 980

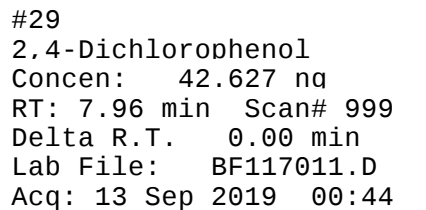
Delta R.T. -0.01 min

Lab File: BF117011.D

Acq: 13 Sep 2019 00:44

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 93    | Resp: | 202184 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 95        | 32.1  | 26.2  | 39.2   |
| 123       | 11.6  | 9.7   | 14.5   |



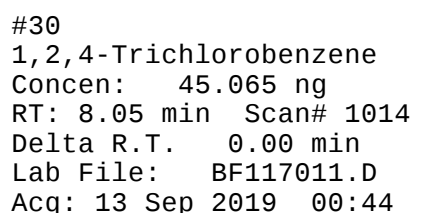
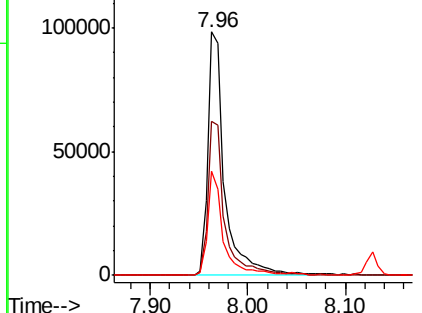
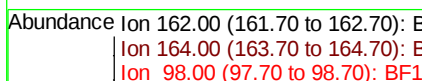


**Instrument :**  
BNA\_F  
**ClientSampleId :**  
SB-4-20-22MSD

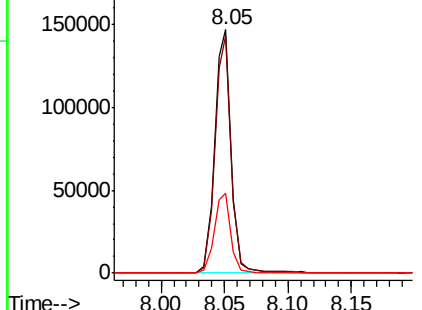
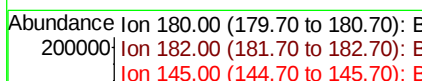
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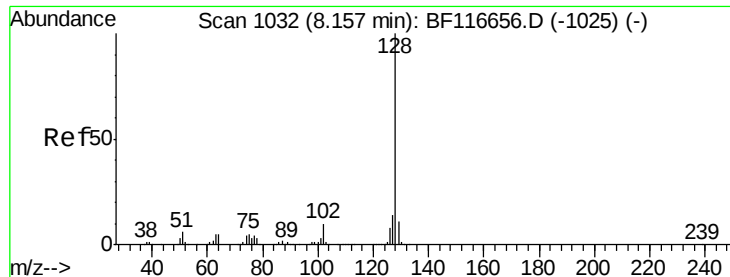
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|     |         |       |        |
|-----|---------|-------|--------|
| Tot | Ion:162 | Resp: | 117876 |
| Ion | Ratio   | Lower | Upper  |
| 162 | 100     |       |        |
| 164 | 63.3    | 43.8  | 83.8   |
| 98  | 42.8    | 22.8  | 62.8   |



|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:180 | Resp: | 135166 |
| Ion | Ratio   | Lower | Upper  |
| 180 | 100     |       |        |
| 182 | 97.3    | 77.3  | 115.9  |
| 145 | 32.6    | 27.4  | 41.2   |





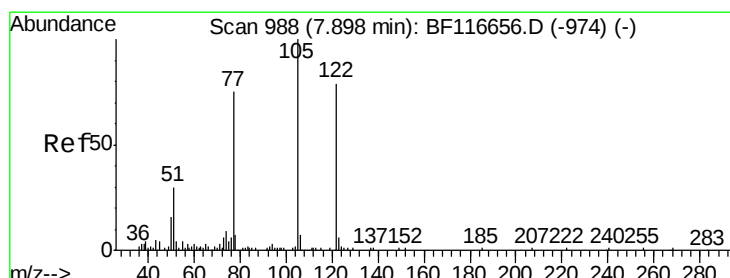
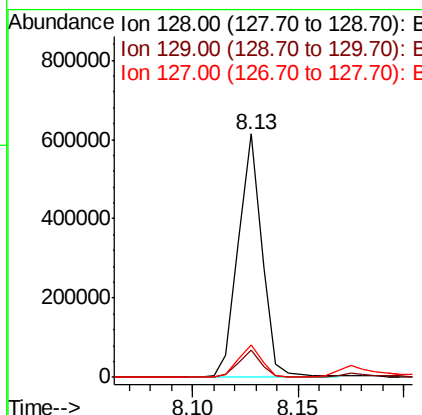
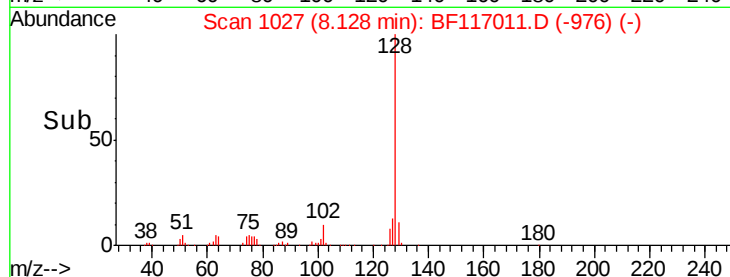
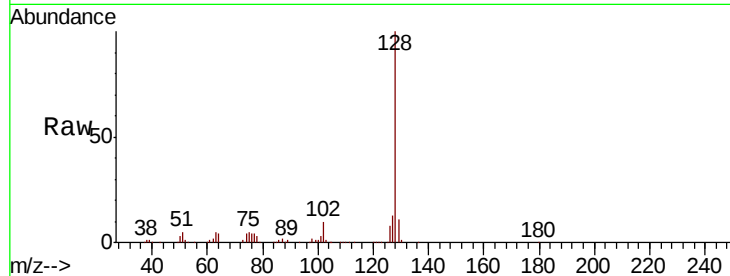
#31  
Naphthalene  
Concen: 46.717 ng  
RT: 8.13 min Scan# 1027  
Delta R.T. 0.00 min  
Lab File: BF117011.D  
Acq: 13 Sep 2019 00:44

Instrument :  
BNA\_F  
ClientSampleId :  
SB-4-20-22MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 11.1  | 9.2   | 13.8  |
| 127     | 13.3  | 10.6  | 16.0  |

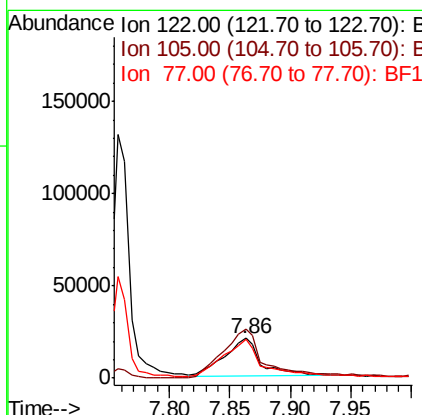
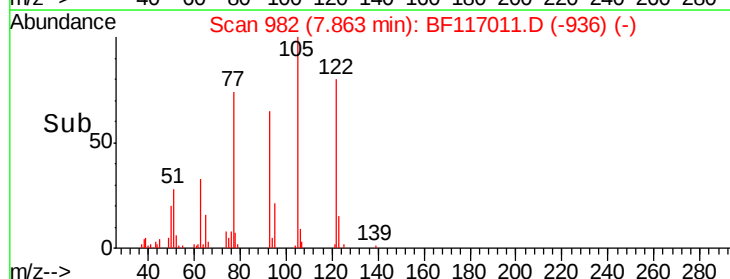
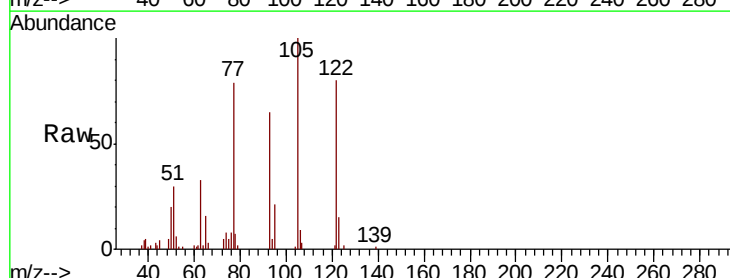
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#32  
Benzoic acid  
Concen: 27.437 ng  
RT: 7.86 min Scan# 982  
Delta R.T. -0.03 min  
Lab File: BF117011.D  
Acq: 13 Sep 2019 00:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 105     | 124.4 | 105.8 | 145.8 |
| 77      | 98.2  | 74.3  | 114.3 |





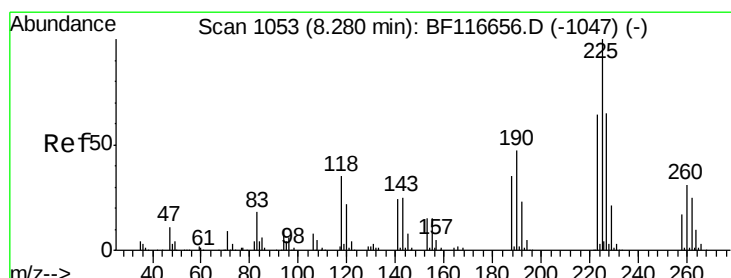
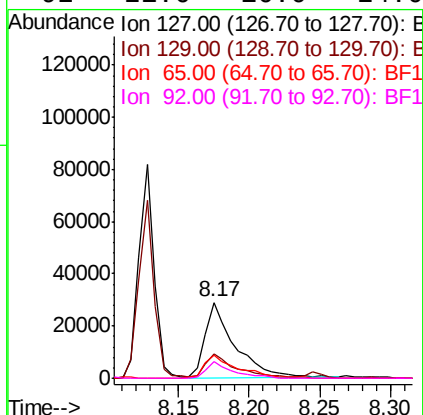
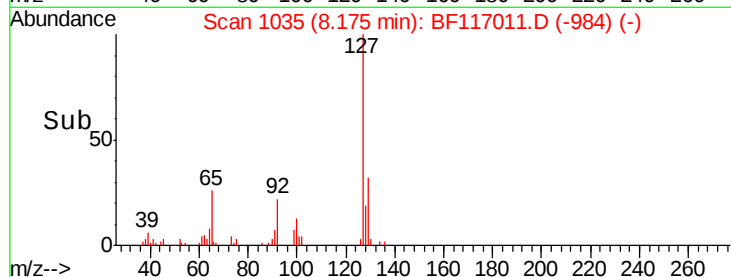
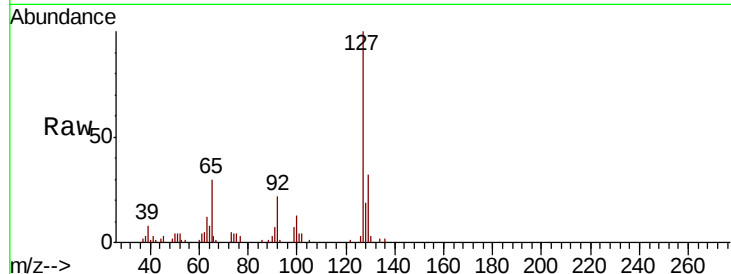
#33  
4-Chloroaniline  
Concen: 9.021 ng  
RT: 8.17 min Scan# 1035  
Delta R.T. 0.00 min  
Lab File: BF117011.D  
Acq: 13 Sep 2019 00:44

Instrument :  
BNA\_F  
ClientSampleId :  
SB-4-20-22MSD

| Tot Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 127     | 100  |       | 42001 |       |       |
| 129     | 31.9 | 25.8  | 38.8  |       |       |
| 65      | 29.9 | 25.3  | 37.9  |       |       |
| 92      | 21.6 | 16.0  | 24.0  |       |       |

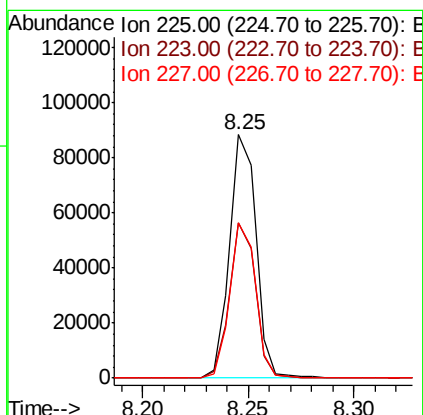
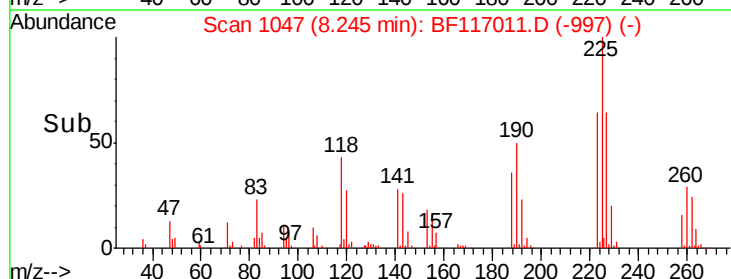
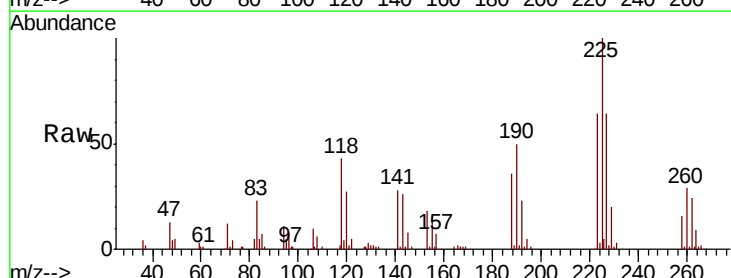
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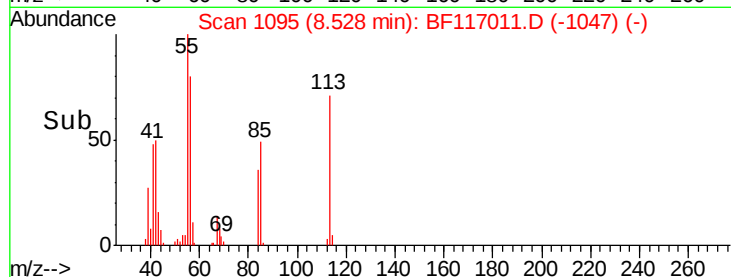
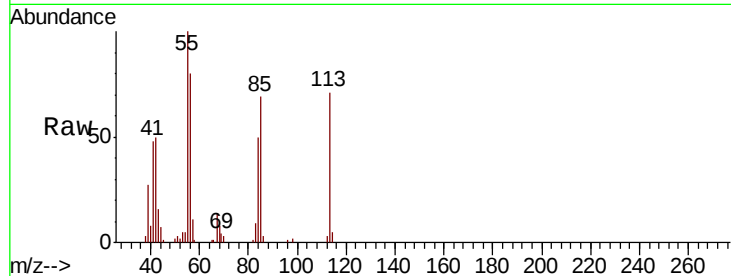
mohammad  
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#34  
Hexachlorobutadiene  
Concen: 46.694 ng  
RT: 8.25 min Scan# 1047  
Delta R.T. -0.01 min  
Lab File: BF117011.D  
Acq: 13 Sep 2019 00:44

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 225     | 100  |       | 76364 |       |       |
| 223     | 64.0 | 49.8  | 74.6  |       |       |
| 227     | 63.6 | 50.6  | 75.8  |       |       |





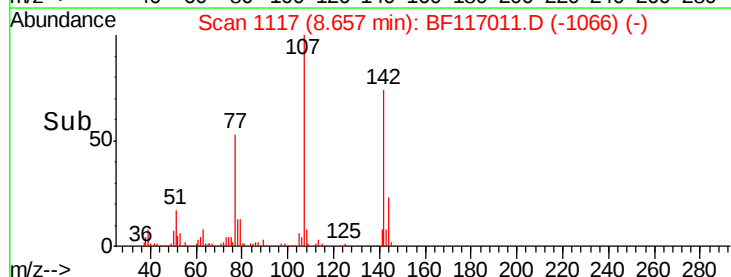
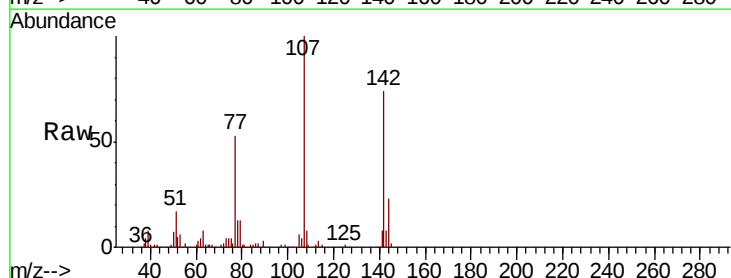
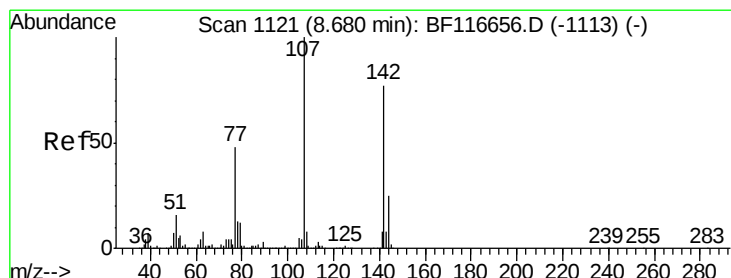
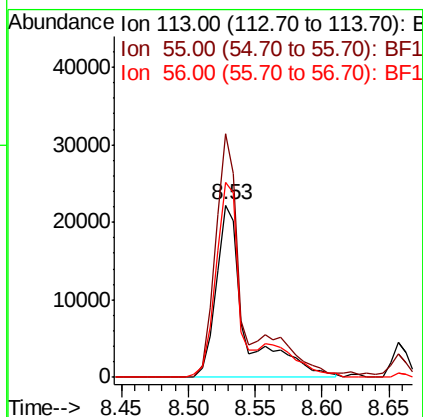
#35  
Caprolactam  
Concen: 33.168 ng/ml  
RT: 8.53 min Scan# 1095  
Delta R.T. -0.02 min  
Lab File: BF117011.D  
Acq: 13 Sep 2019 00:44

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 55      | 141.5 | 116.6 | 156.6 |
| 56      | 113.7 | 91.3  | 131.3 |

Instrument :  
BNA\_F  
ClientSampleId :  
SB-4-20-22MSD

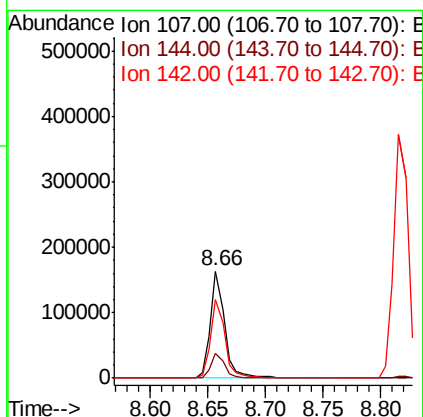
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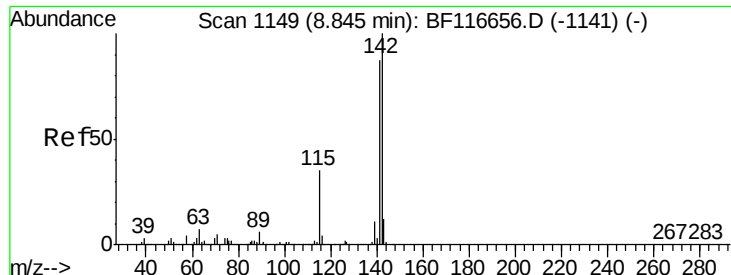
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#36  
4-Chloro-3-methylphenol  
Concen: 44.346 ng/ml  
RT: 8.66 min Scan# 1117  
Delta R.T. 0.00 min  
Lab File: BF117011.D  
Acq: 13 Sep 2019 00:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 144     | 23.5  | 18.6  | 28.0  |
| 142     | 74.1  | 55.9  | 83.9  |





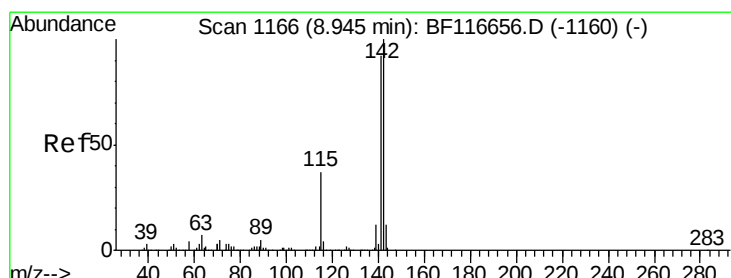
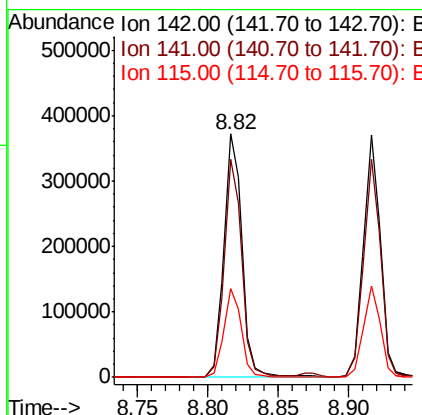
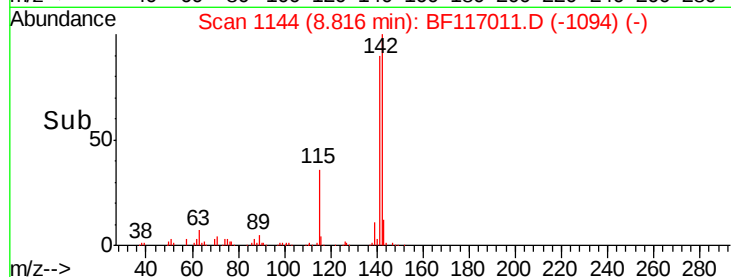
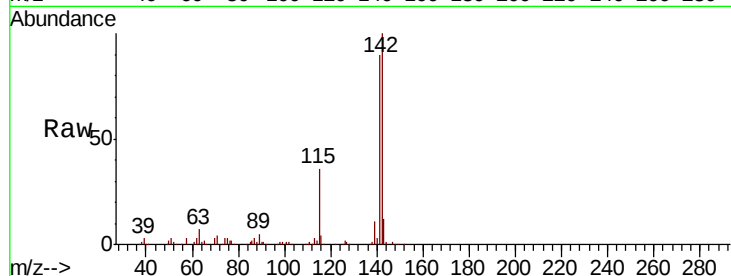
#37  
2-Methylnaphthalene  
Concen: 48.735 ng  
RT: 8.82 min Scan# 1144  
Delta R.T. -0.01 min  
Lab File: BF117011.D  
Acq: 13 Sep 2019 00:44

Instrument :  
BNA\_F  
ClientSampleId :  
SB-4-20-22MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 89.5  | 70.5  | 105.7 |
| 115     | 36.3  | 27.7  | 41.5  |

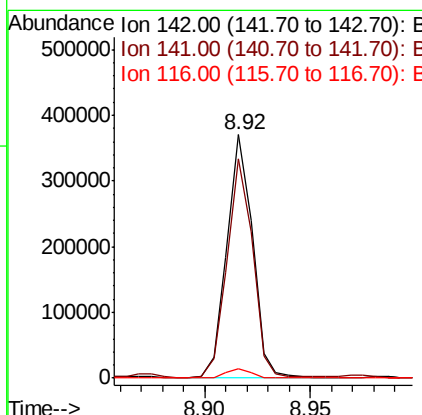
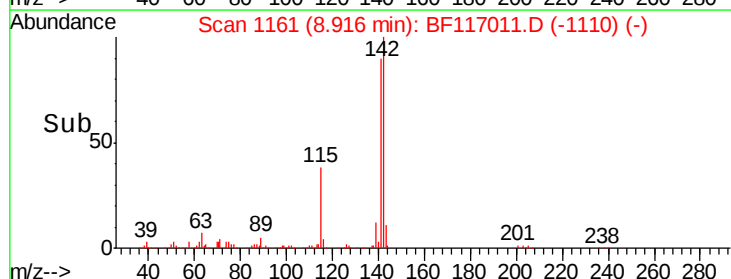
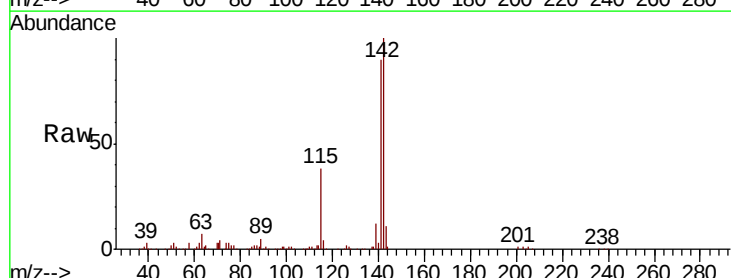
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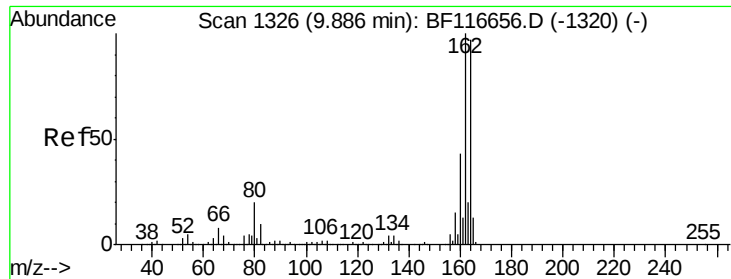
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#38  
1-Methylnaphthalene  
Concen: 48.099 ng  
RT: 8.92 min Scan# 1161  
Delta R.T. 0.00 min  
Lab File: BF117011.D  
Acq: 13 Sep 2019 00:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 89.9  | 71.9  | 107.9 |
| 116     | 3.8   | 3.2   | 4.8   |





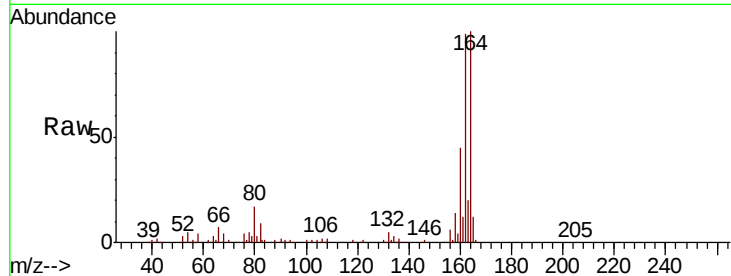
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.86 min Scan# 1321  
Delta R.T. 0.00 min  
Lab File: BF117011.D  
Acq: 13 Sep 2019 00:44

Instrument :  
BNA\_F  
ClientSampleId :  
SB-4-20-22MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 116238 |       |       |
| 162     | 99.4  | 81.8   | 122.6 |       |
| 160     | 44.7  | 35.7   | 53.5  |       |

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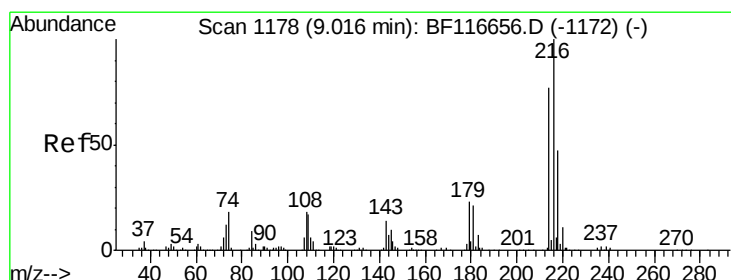
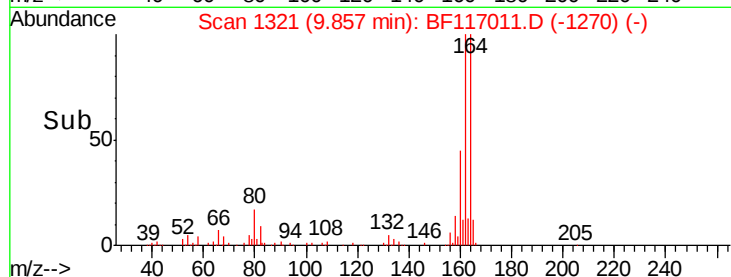
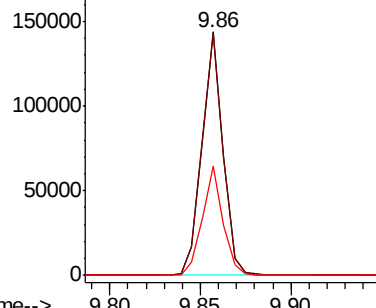


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 48.154 ng  
RT: 8.99 min Scan# 1173  
Delta R.T. 0.00 min  
Lab File: BF117011.D  
Acq: 13 Sep 2019 00:44

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 216     | 100   | 134177 |       |       |
| 214     | 77.5  | 63.4   | 95.2  |       |
| 179     | 22.9  | 19.3   | 28.9  |       |
| 108     | 21.2  | 18.7   | 28.1  |       |

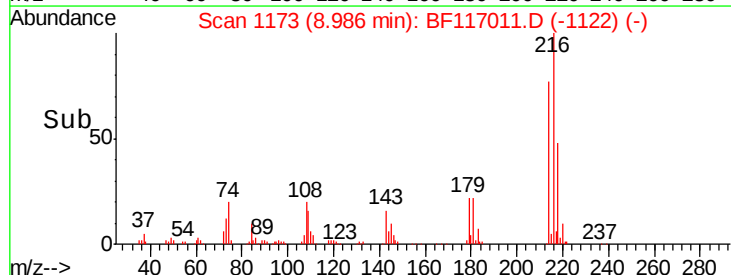
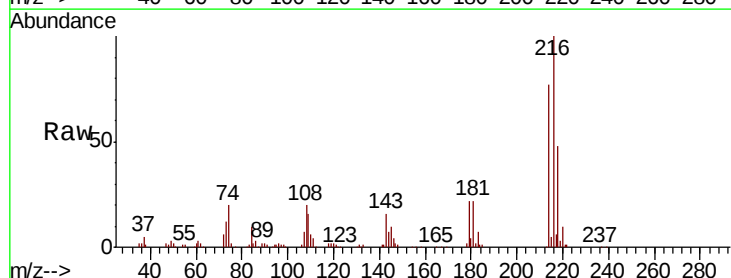
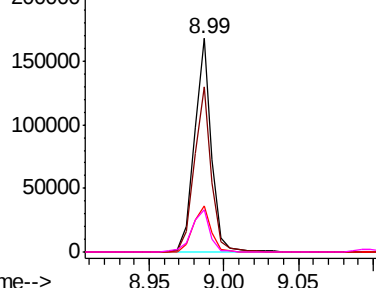
Abundance

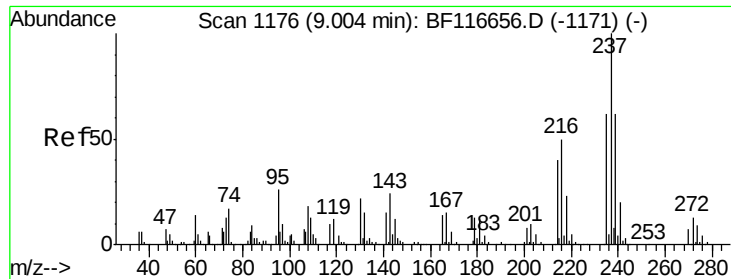
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





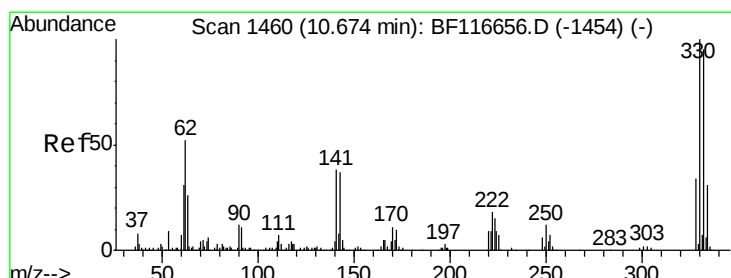
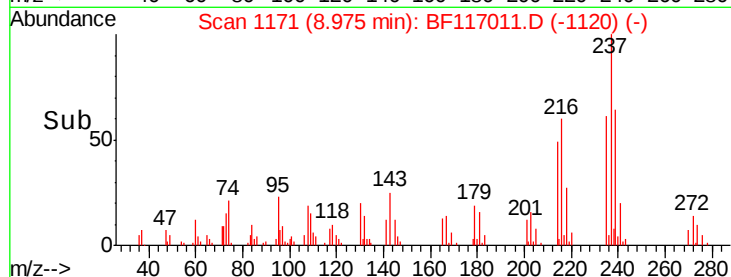
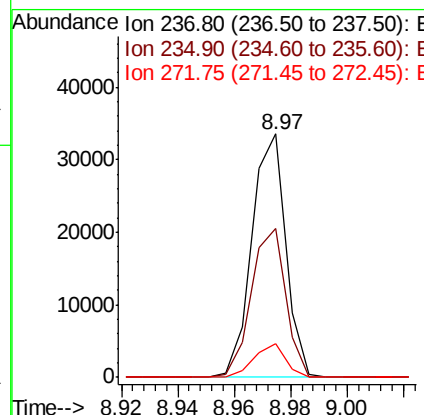
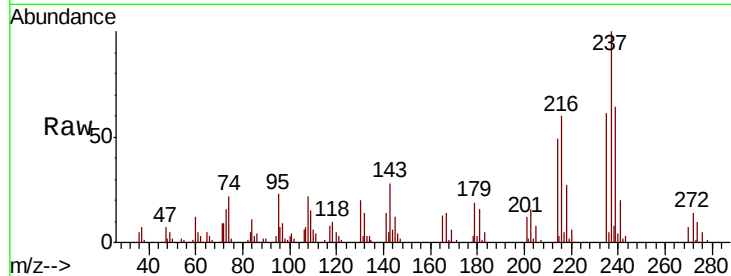
#41  
Hexachlorocyclopentadiene  
Concen: 17.380 ng  
RT: 8.97 min Scan# 1171  
Delta R.T. 0.00 min  
Lab File: BF117011.D  
Acq: 13 Sep 2019 00:44

Instrument :  
BNA\_F  
ClientSampleId :  
SB-4-20-22MSD

| Tot Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 237     | 100   |            |            |
| 235     | 61.4  | 45.8       | 85.8       |
| 272     | 13.9  | 0.0        | 33.4       |

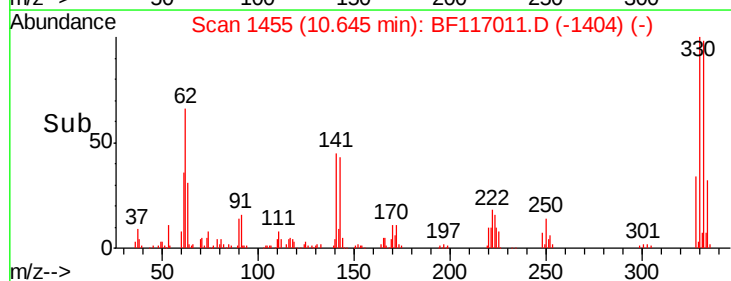
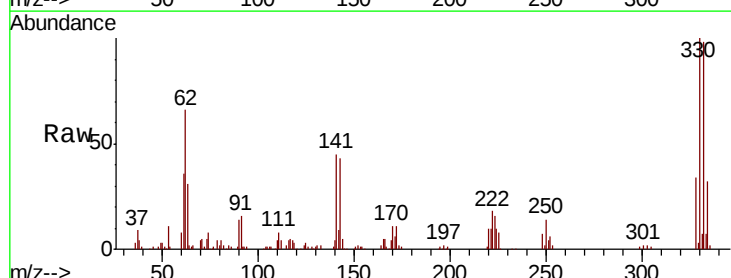
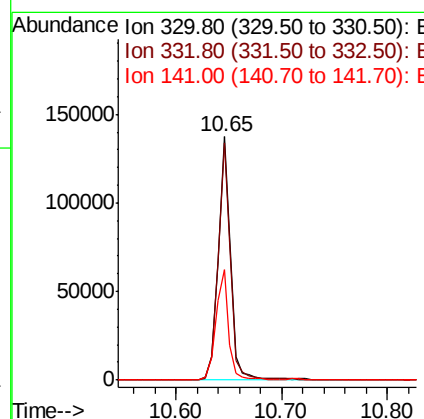
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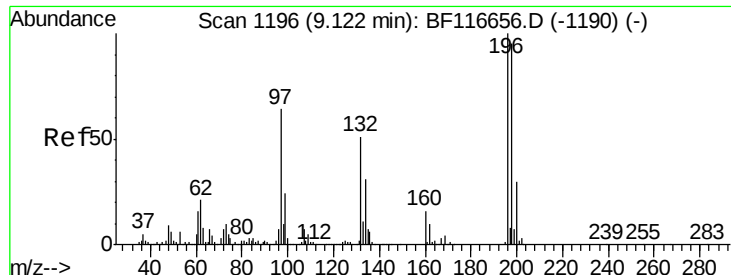
mohammad  
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#42  
2,4,6-Tribromophenol  
Concen: 149.767 ng  
RT: 10.65 min Scan# 1455  
Delta R.T. 0.00 min  
Lab File: BF117011.D  
Acq: 13 Sep 2019 00:44

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 330     | 100   |            |            |
| 332     | 97.2  | 75.9       | 113.9      |
| 141     | 45.6  | 35.6       | 53.4       |





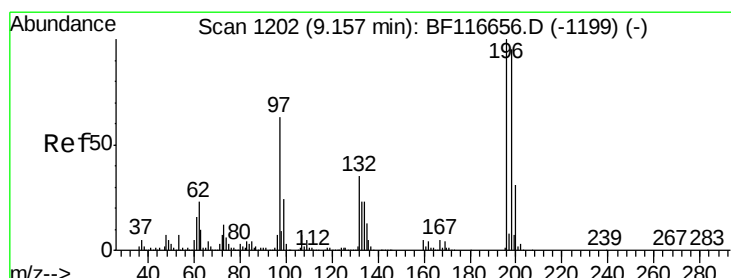
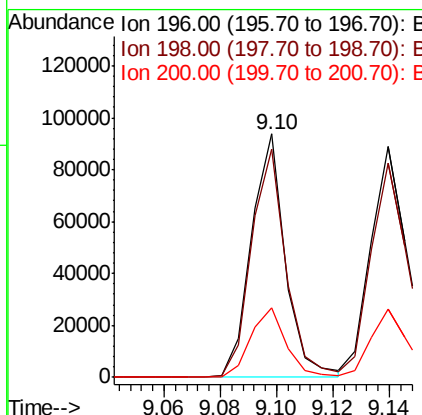
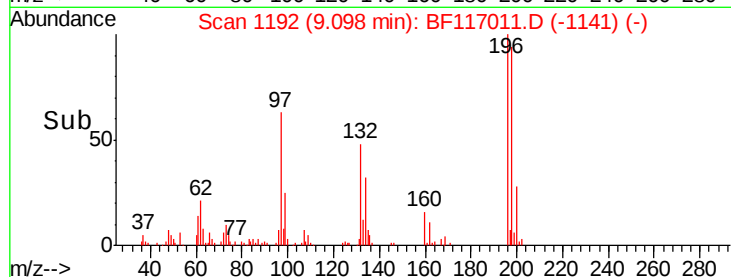
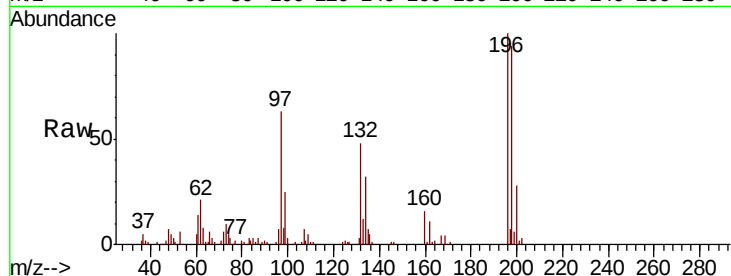
#43  
 2,4,6-Trichlorophenol  
 Concen: 41.086 ng  
 RT: 9.10 min Scan# 1192  
 Delta R.T. 0.00 min  
 Lab File: BF117011.D  
 Acq: 13 Sep 2019 00:44

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-4-20-22MSD

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 196   | Resp: | 78478 |
| Ion Ratio | Lower | Upper |       |
| 196       | 100   |       |       |
| 198       | 93.6  | 77.4  | 116.0 |
| 200       | 28.5  | 24.1  | 36.1  |

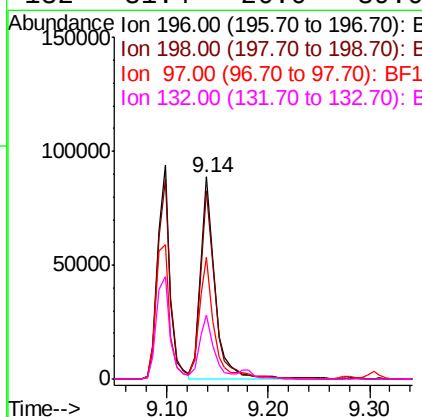
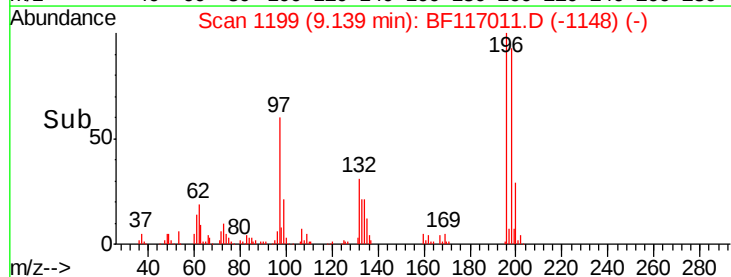
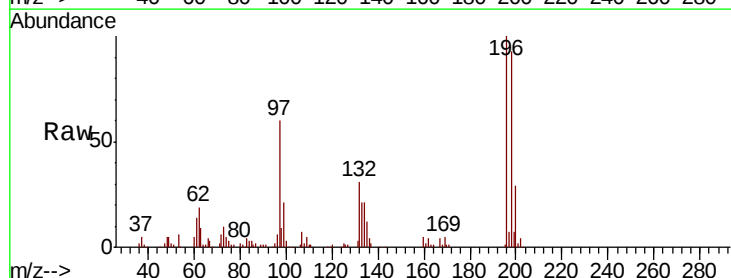
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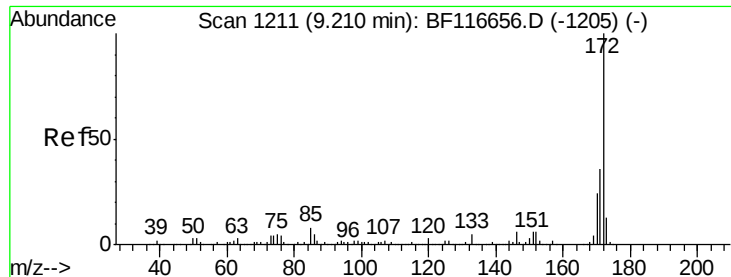
mohammad  
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#44  
 2,4,5-Trichlorophenol  
 Concen: 45.334 ng  
 RT: 9.14 min Scan# 1199  
 Delta R.T. 0.00 min  
 Lab File: BF117011.D  
 Acq: 13 Sep 2019 00:44

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 196   | Resp: | 89899 |
| Ion Ratio | Lower | Upper |       |
| 196       | 100   |       |       |
| 198       | 93.2  | 74.7  | 112.1 |
| 97        | 60.4  | 45.4  | 68.0  |
| 132       | 31.4  | 26.0  | 39.0  |





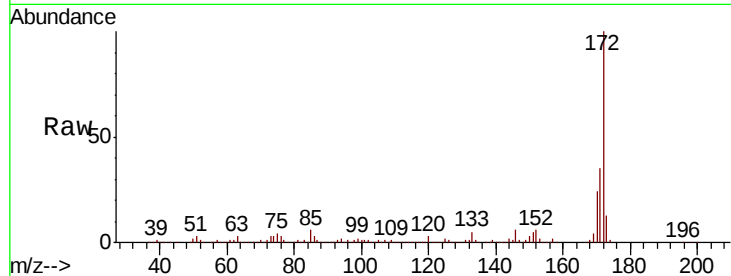
#45  
2-Fluorobiphenyl  
Concen: 95.418 ng  
RT: 9.18 min Scan# 1206  
Delta R.T. 0.00 min  
Lab File: BF117011.D  
Acq: 13 Sep 2019 00:44

Instrument :  
BNA\_F  
ClientSampleId :  
SB-4-20-22MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.3  | 29.1  | 43.7  |
| 170     | 23.6  | 19.2  | 28.8  |

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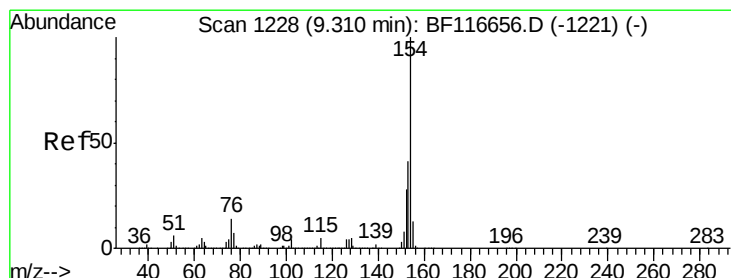
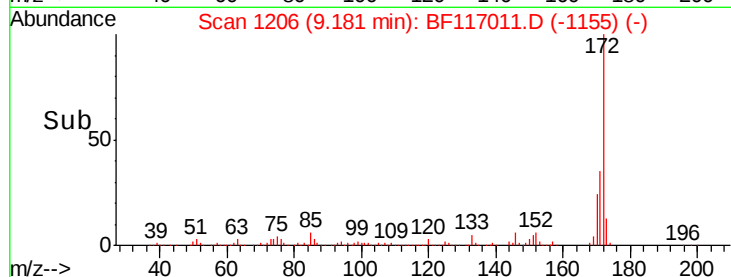
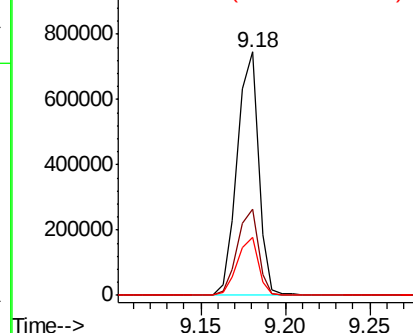


Abundance

Ion 172.00 (171.70 to 172.70): E

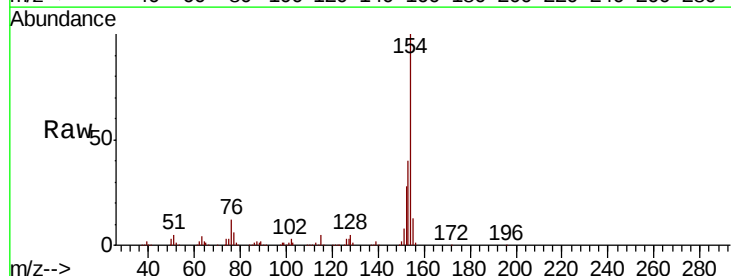
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46  
1,1'-Biphenyl  
Concen: 45.117 ng  
RT: 9.28 min Scan# 1223  
Delta R.T. 0.00 min  
Lab File: BF117011.D  
Acq: 13 Sep 2019 00:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 40.4  | 19.8  | 59.8  |
| 76      | 12.0  | 0.0   | 32.8  |

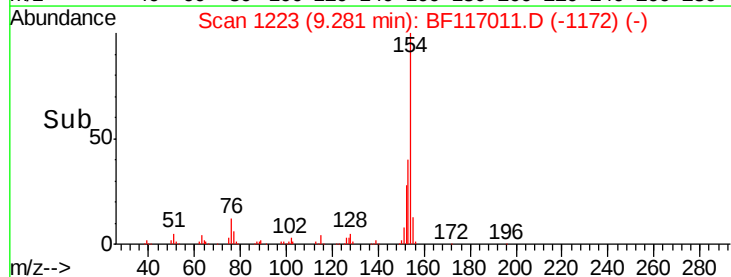
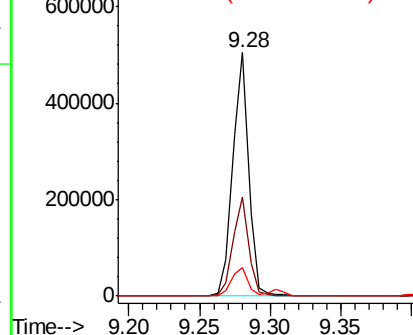


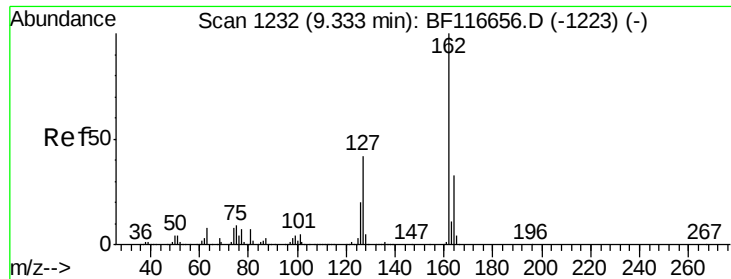
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1





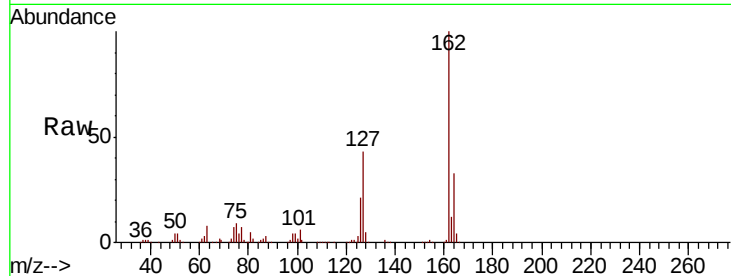
#47  
2-Chloronaphthalene  
Concen: 45.026 ng  
RT: 9.30 min Scan# 1227  
Delta R.T. -0.01 min  
Lab File: BF117011.D  
Acq: 13 Sep 2019 00:44

Instrument :  
BNA\_F  
ClientSampleId :  
SB-4-20-22MSD

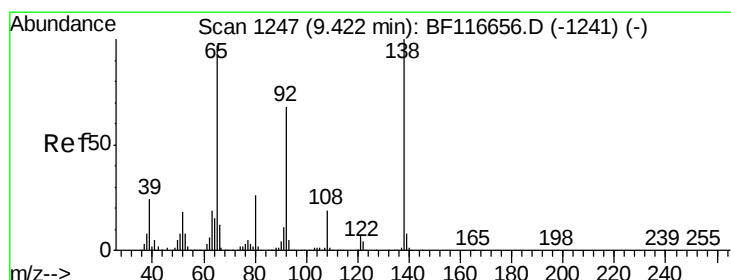
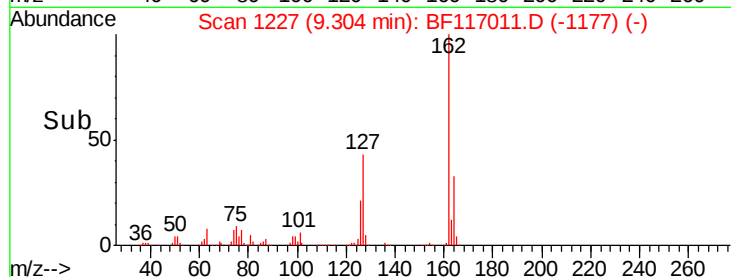
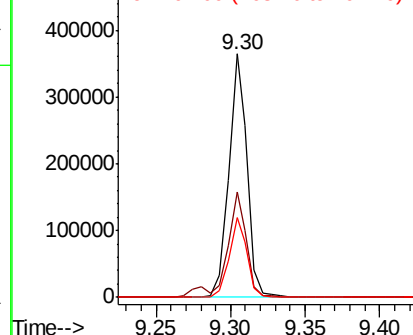
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 162     | 100   | 314553 |       |       |
| 127     | 43.1  | 32.7   | 49.1  |       |
| 164     | 32.6  | 27.0   | 40.4  |       |

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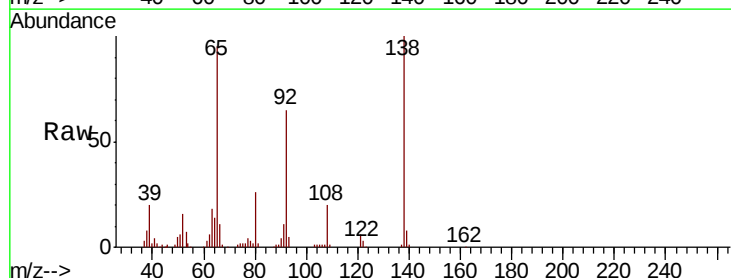


Abundance Ion 162.00 (161.70 to 162.70): E  
Ion 127.00 (126.70 to 127.70): E  
Ion 164.00 (163.70 to 164.70): E

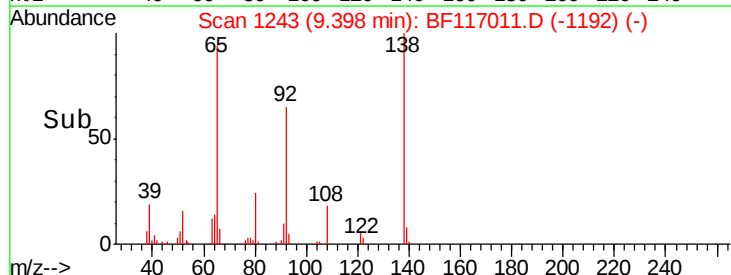
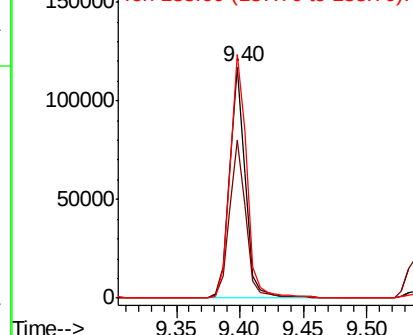


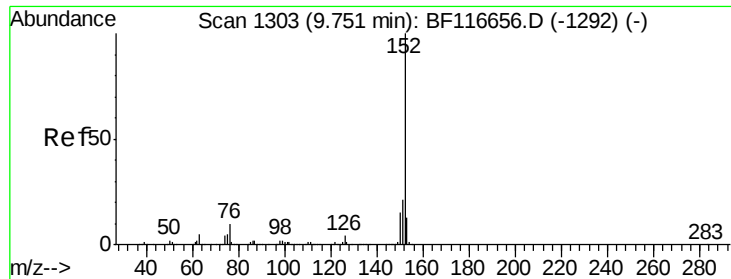
#48  
2-Nitroaniline  
Concen: 50.376 ng  
RT: 9.40 min Scan# 1243  
Delta R.T. 0.00 min  
Lab File: BF117011.D  
Acq: 13 Sep 2019 00:44

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 101743 |       |       |
| 92      | 68.5  | 59.0   | 88.6  |       |
| 138     | 105.3 | 84.2   | 126.2 |       |



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





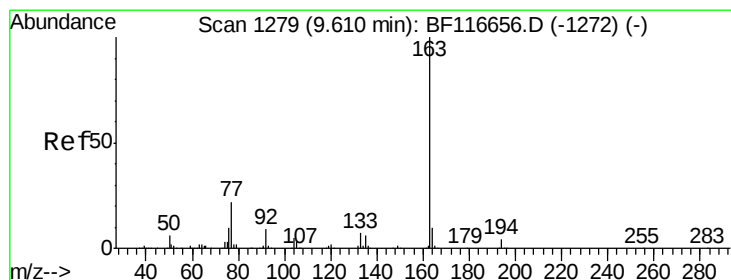
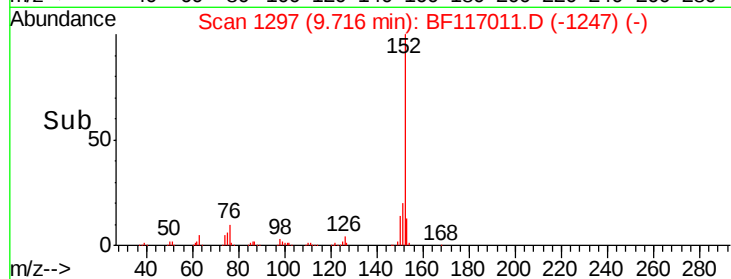
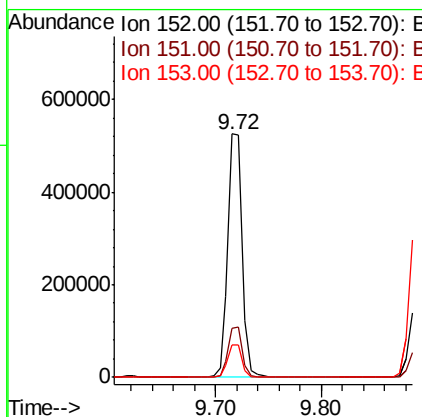
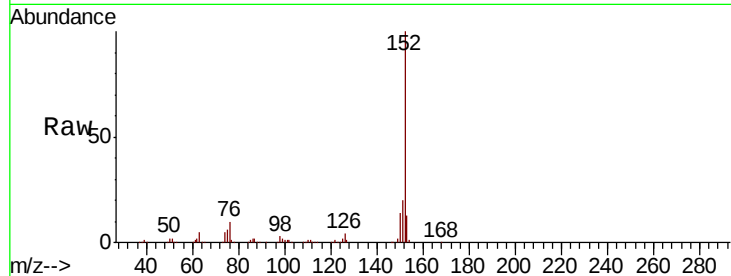
#49  
Acenaphthylene  
Concen: 46.992 ng  
RT: 9.72 min Scan# 1297  
Delta R.T. -0.01 min  
Lab File: BF117011.D  
Acq: 13 Sep 2019 00:44

Instrument :  
BNA\_F  
ClientSampleId :  
SB-4-20-22MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.4  | 16.1  | 24.1  |
| 153     | 13.5  | 10.3  | 15.5  |

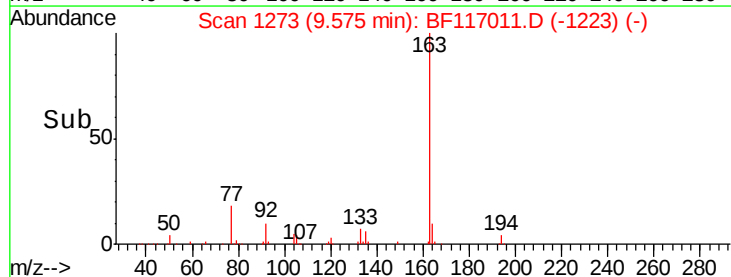
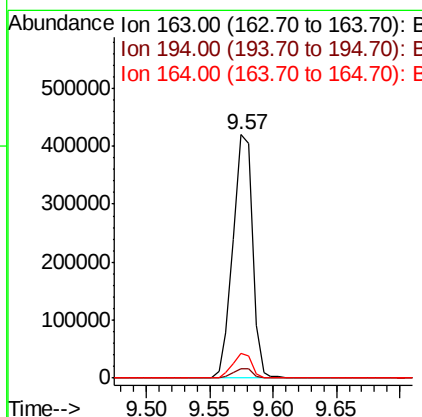
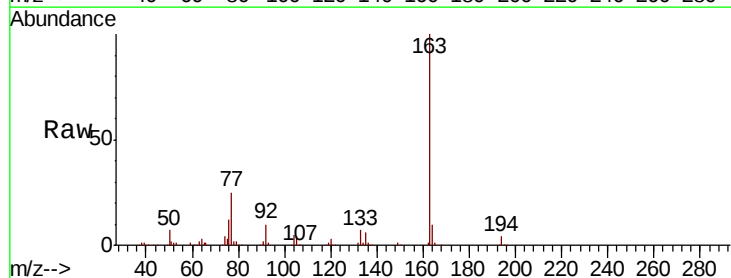
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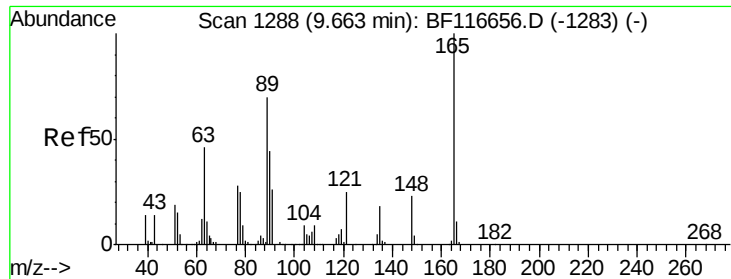
mohammad  
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#50  
Dimethylphthalate  
Concen: 55.605 ng  
RT: 9.57 min Scan# 1273  
Delta R.T. -0.01 min  
Lab File: BF117011.D  
Acq: 13 Sep 2019 00:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.7   | 2.7   | 4.1   |
| 164     | 10.3  | 8.2   | 12.4  |





#51

2,6-Dinitrotoluene

Concen: 51.160 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.01 min

Lab File: BF117011.D

Acq: 13 Sep 2019 00:44

Instrument :

BNA\_F

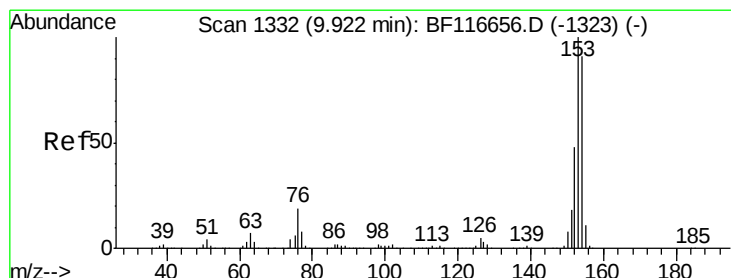
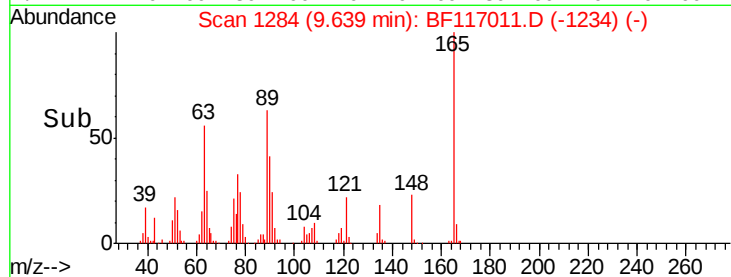
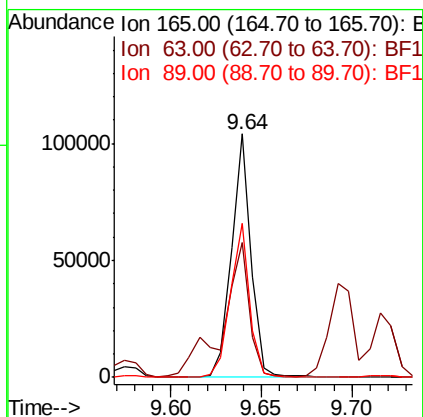
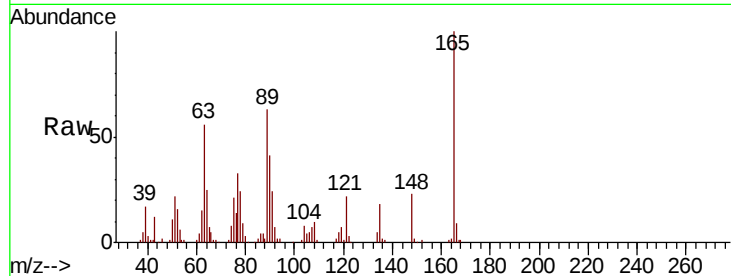
ClientSampleId :

SB-4-20-22MSD

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 165   | Resp: | 78332 |
| Ion Ratio | Lower | Upper |       |
| 165       | 100   |       |       |
| 63        | 55.5  | 38.0  | 57.0  |
| 89        | 63.2  | 44.1  | 66.1  |

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#52

Acenaphthene

Concen: 44.103 ng

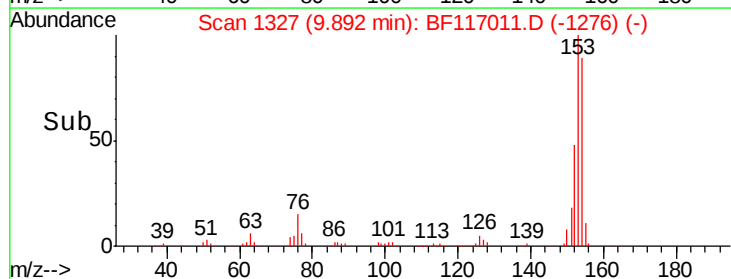
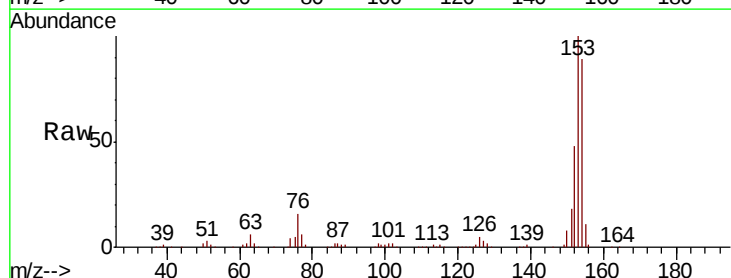
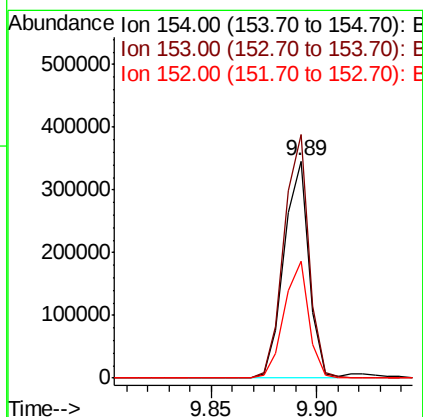
RT: 9.89 min Scan# 1327

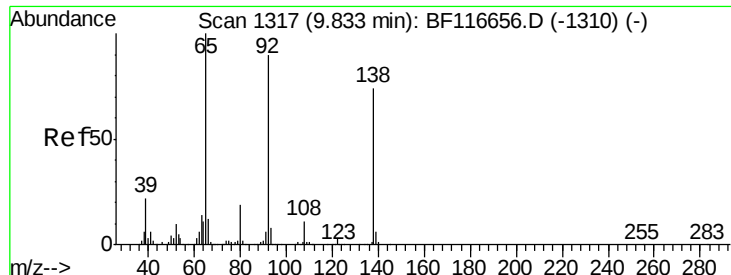
Delta R.T. 0.00 min

Lab File: BF117011.D

Acq: 13 Sep 2019 00:44

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 154   | Resp: | 286166 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 112.1 | 89.9  | 134.9  |
| 152       | 53.9  | 42.6  | 63.8   |





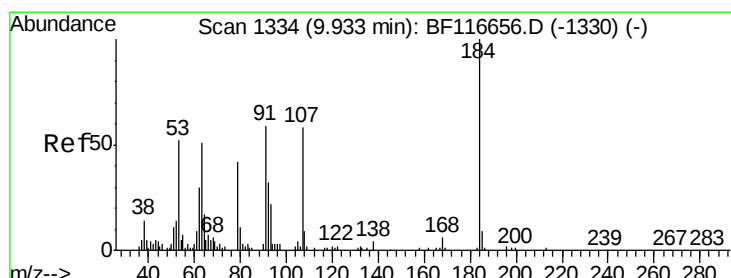
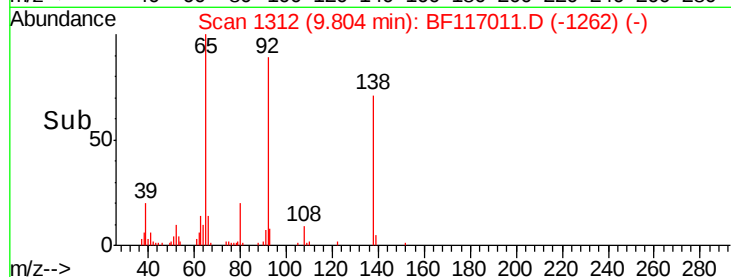
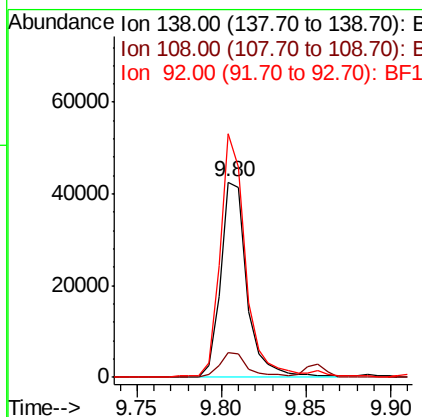
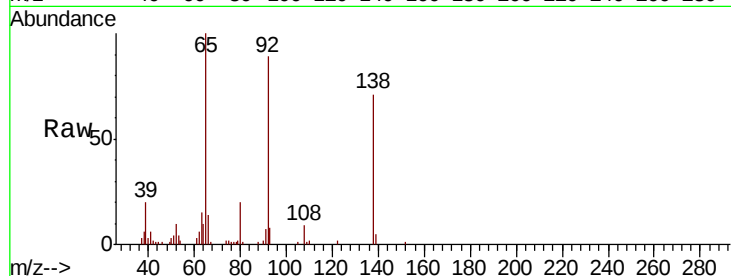
#53  
3-Nitroaniline  
Concen: 24.255 ng  
RT: 9.80 min Scan# 1312  
Delta R.T. -0.01 min  
Lab File: BF117011.D  
Acq: 13 Sep 2019 00:44

Instrument :  
BNA\_F  
ClientSampleId :  
SB-4-20-22MSD

| Tot Ion | Ion   | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|-------|
| 138     | 100   |       |       |       |       |
| 108     | 12.8  | 9.3   | 13.9  |       |       |
| 92      | 124.7 | 98.9  | 148.3 |       |       |

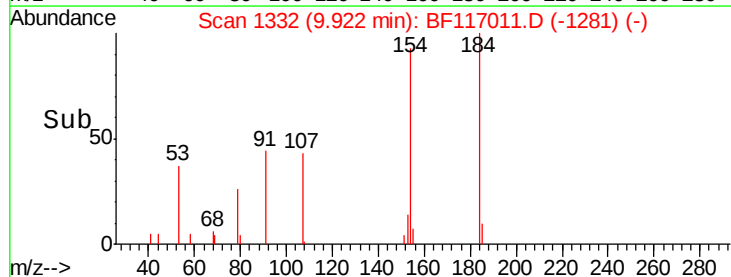
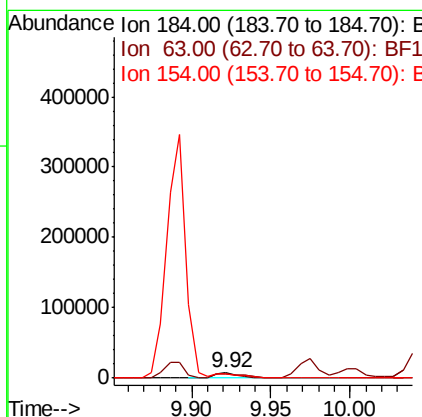
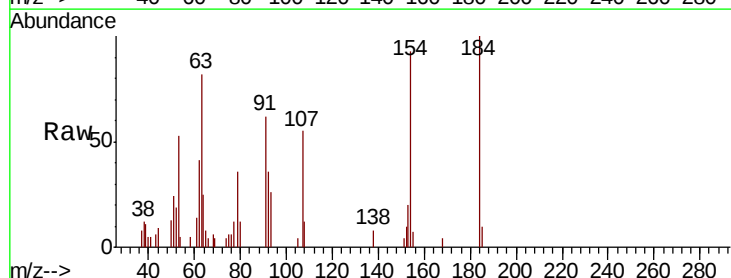
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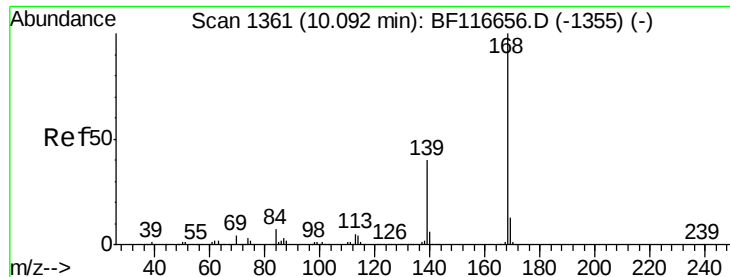
mohammad  
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#54  
2,4-Dinitrophenol  
Concen: 25.440 ng  
RT: 9.92 min Scan# 1332  
Delta R.T. 0.00 min  
Lab File: BF117011.D  
Acq: 13 Sep 2019 00:44

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 184     | 100  |       |       |       |       |
| 63      | 81.9 | 49.0  | 73.4# |       |       |
| 154     | 92.7 | 58.3  | 87.5# |       |       |





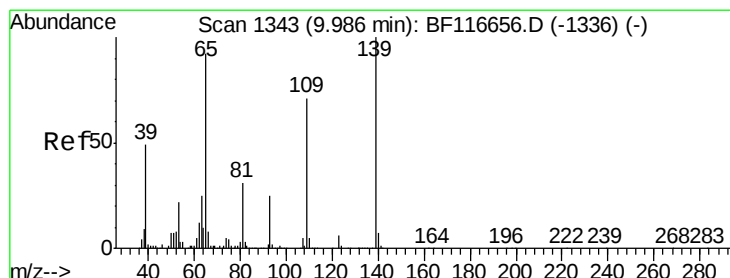
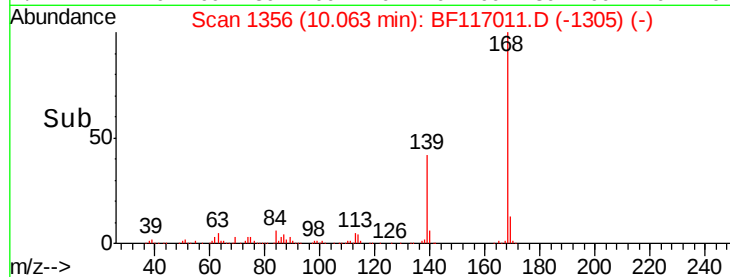
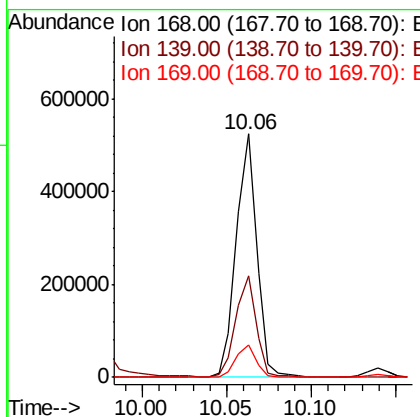
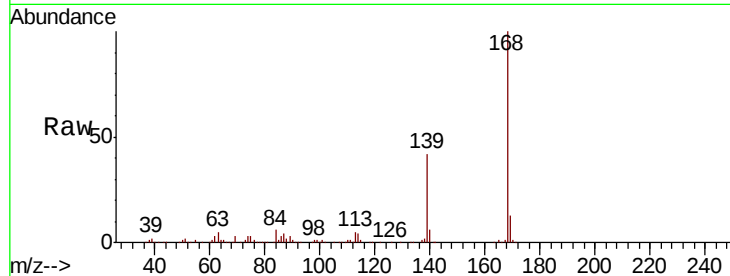
#55  
Dibenzofuran  
Concen: 48.617 ng  
RT: 10.06 min Scan# 1356  
Delta R.T. 0.00 min  
Lab File: BF117011.D  
Acq: 13 Sep 2019 00:44

Instrument :  
BNA\_F  
ClientSampleId :  
SB-4-20-22MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 41.6  | 34.2  | 51.4  |
| 169     | 13.2  | 11.0  | 16.4  |

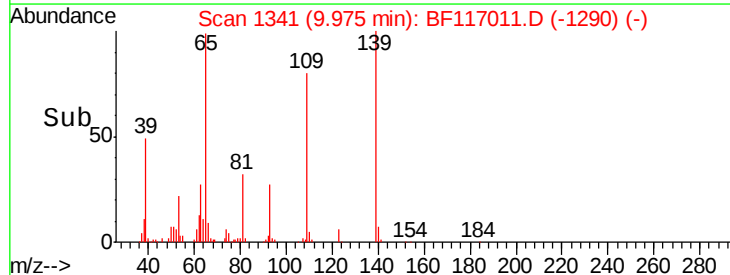
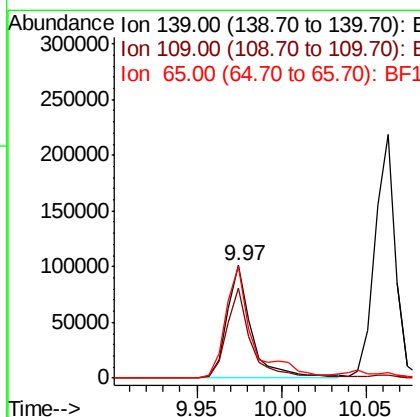
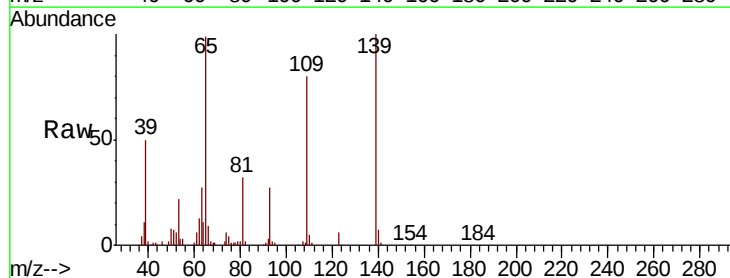
Manual Integrations  
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9/16/2019 9:00:04 AM



#56  
4-Nitrophenol  
Concen: 78.432 ng  
RT: 9.97 min Scan# 1341  
Delta R.T. 0.00 min  
Lab File: BF117011.D  
Acq: 13 Sep 2019 00:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 79.6  | 54.0  | 94.0  |
| 65      | 99.4  | 74.0  | 114.0 |





#57

2,4-Dinitrotoluene

Concen: 55.873 ng

RT: 10.05 min Scan# 1353

Delta R.T. 0.00 min

Lab File: BF117011.D

Acq: 13 Sep 2019 00:44

Instrument :

BNA\_F

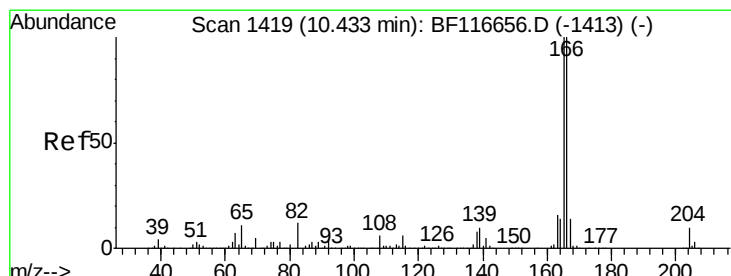
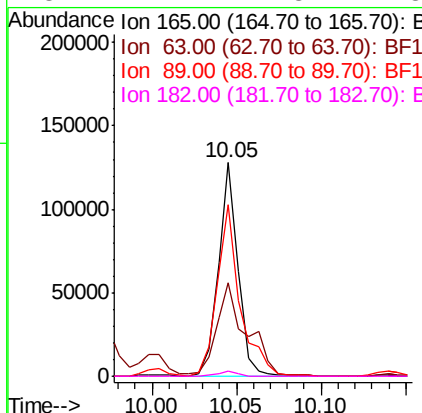
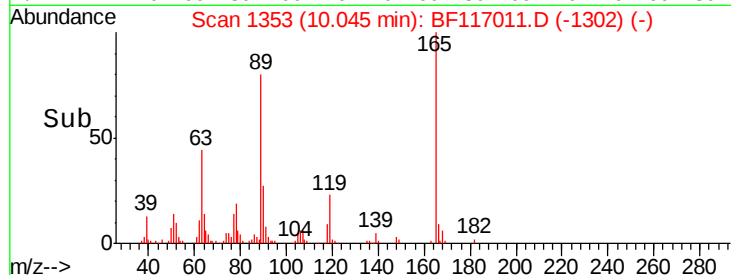
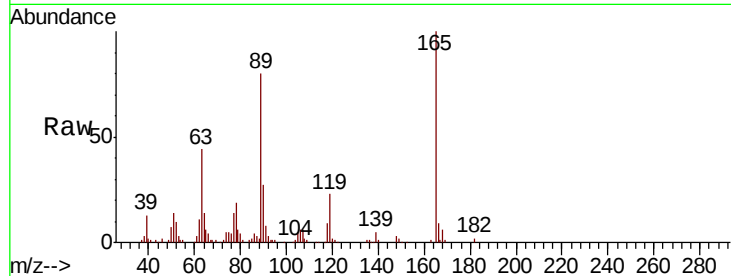
ClientSampleId :

SB-4-20-22MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 165   | Resp: | 104604 |
| Ion Ratio | Lower | Upper |        |
| 165       | 100   |       |        |
| 63        | 43.9  | 36.2  | 54.2   |
| 89        | 80.4  | 66.1  | 99.1   |
| 182       | 2.2   | 1.8   | 2.8    |

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#58

Fluorene

Concen: 51.635 ng

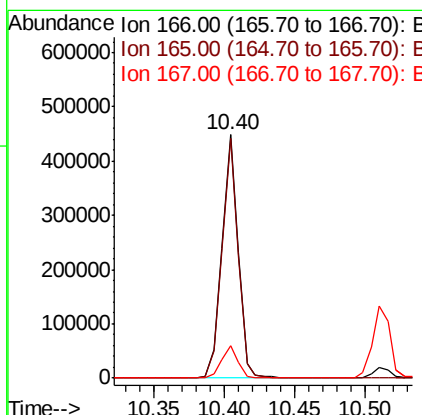
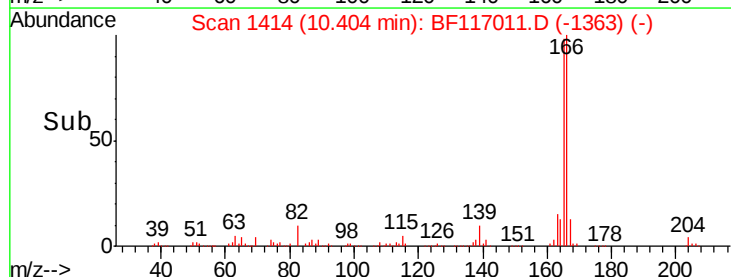
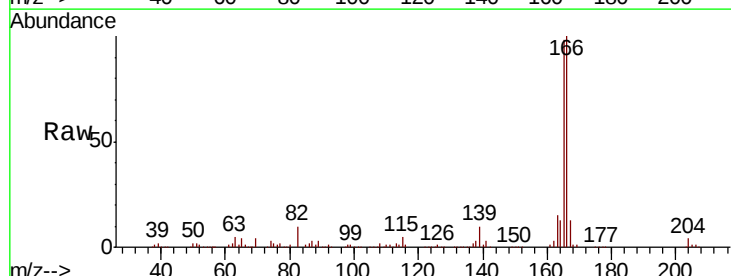
RT: 10.40 min Scan# 1414

Delta R.T. 0.00 min

Lab File: BF117011.D

Acq: 13 Sep 2019 00:44

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 166   | Resp: | 359882 |
| Ion Ratio | Lower | Upper |        |
| 166       | 100   |       |        |
| 165       | 98.4  | 77.0  | 115.6  |
| 167       | 13.3  | 10.7  | 16.1   |





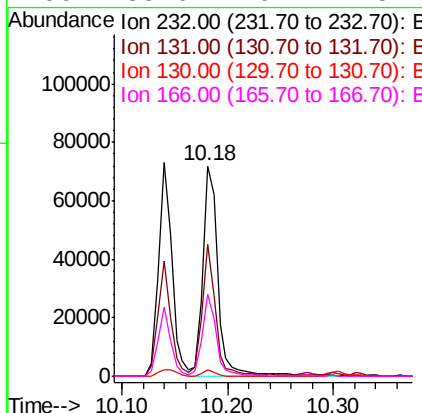
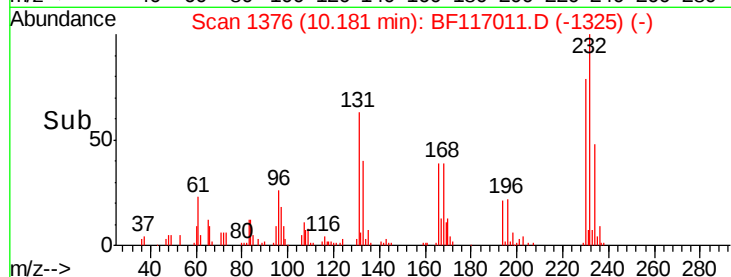
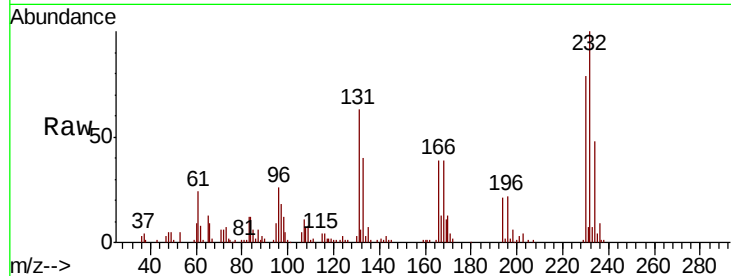
#59  
2,3,4,6-Tetrachlorophenol  
Concen: 50.028 ng  
RT: 10.18 min Scan# 1376  
Delta R.T. 0.00 min  
Lab File: BF117011.D  
Acq: 13 Sep 2019 00:44

Instrument :  
BNA\_F  
ClientSampleId :  
SB-4-20-22MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 54.0  | 46.1  | 69.1  |
| 130     | 2.5   | 2.2   | 3.4   |
| 166     | 35.6  | 29.1  | 43.7  |

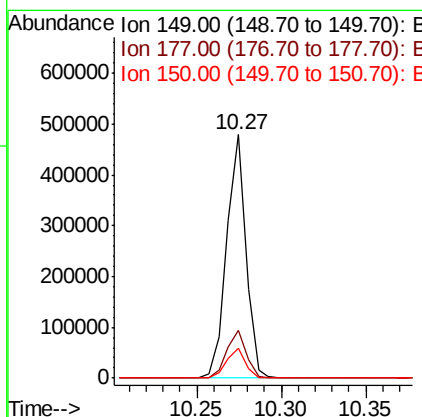
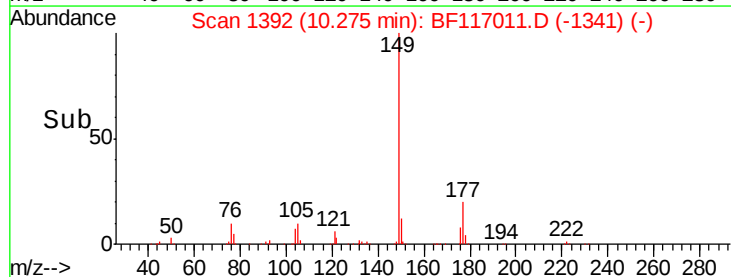
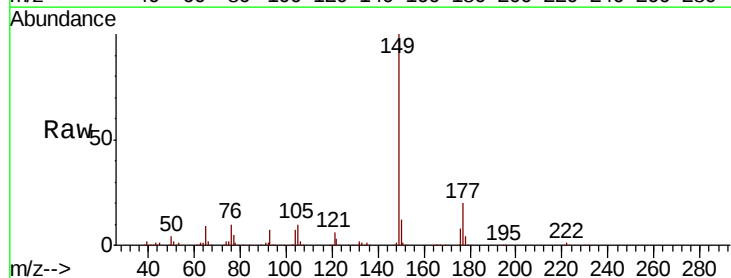
Manual Integrations  
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#60  
Diethylphthalate  
Concen: 47.358 ng  
RT: 10.27 min Scan# 1392  
Delta R.T. 0.00 min  
Lab File: BF117011.D  
Acq: 13 Sep 2019 00:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 19.5  | 15.9  | 23.9  |
| 150     | 12.2  | 10.0  | 15.0  |





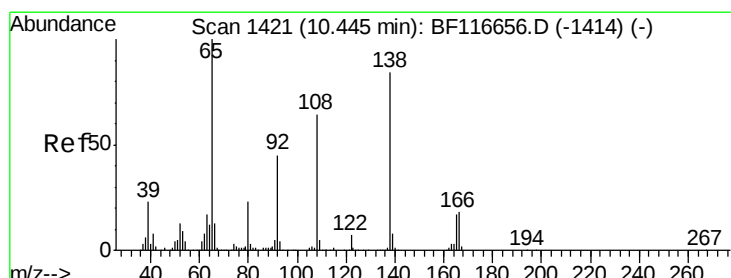
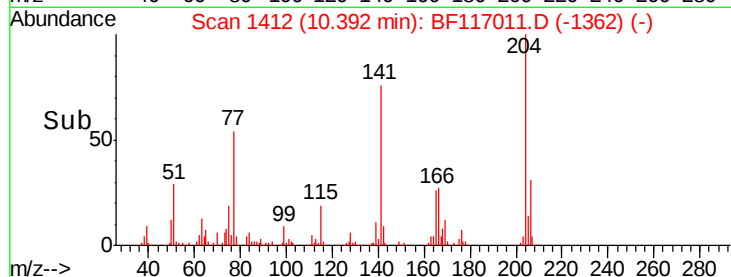
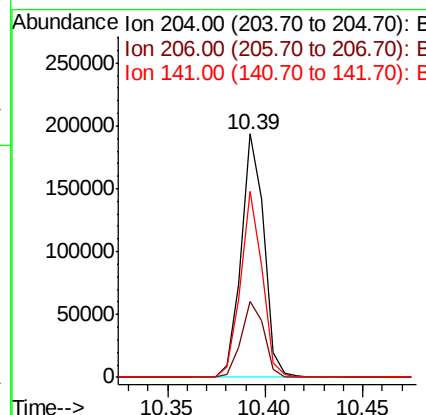
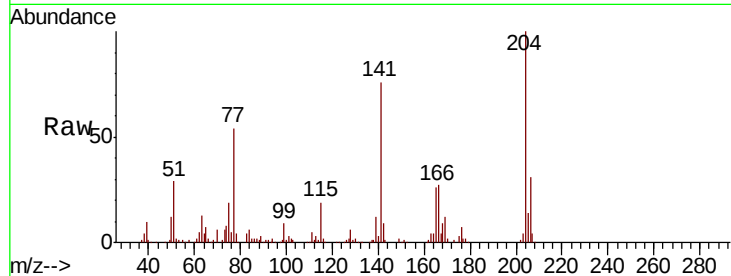
#61  
4-Chlorophenyl-phenylether  
Concen: 51.235 ng  
RT: 10.39 min Scan# 1412  
Delta R.T. -0.01 min  
Lab File: BF117011.D  
Acq: 13 Sep 2019 00:44

Instrument :  
BNA\_F  
ClientSampleId :  
SB-4-20-22MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 31.4  | 26.2  | 39.2  |
| 141     | 76.2  | 58.0  | 87.0  |

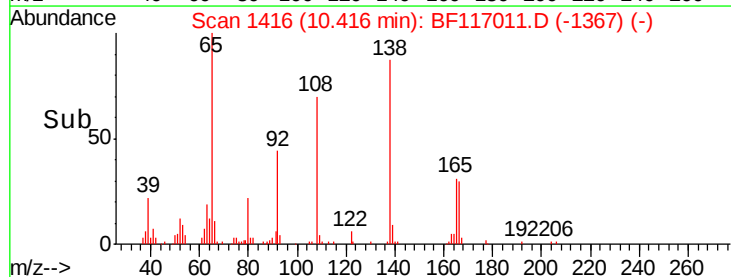
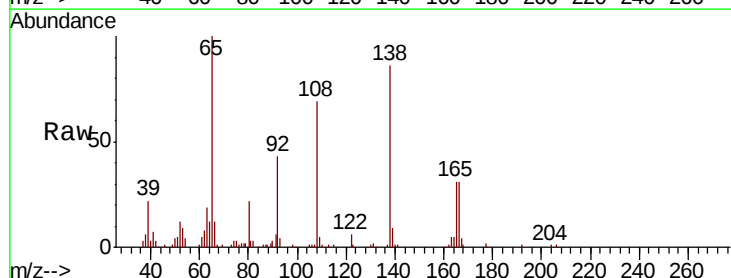
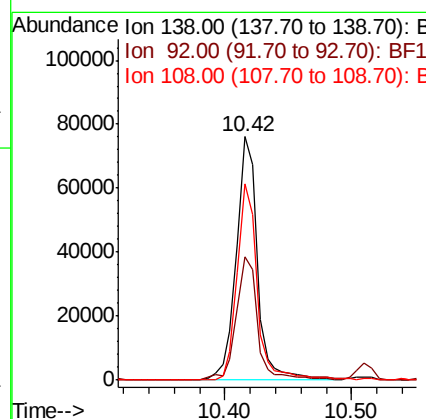
Manual Integrations  
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#62  
4-Nitroaniline  
Concen: 47.375 ng  
RT: 10.42 min Scan# 1416  
Delta R.T. -0.01 min  
Lab File: BF117011.D  
Acq: 13 Sep 2019 00:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 50.6  | 31.0  | 71.0  |
| 108     | 80.4  | 59.1  | 99.1  |





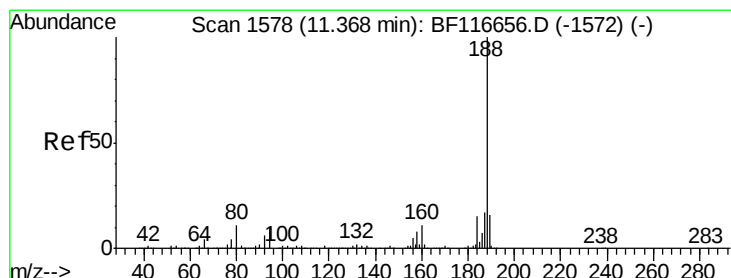
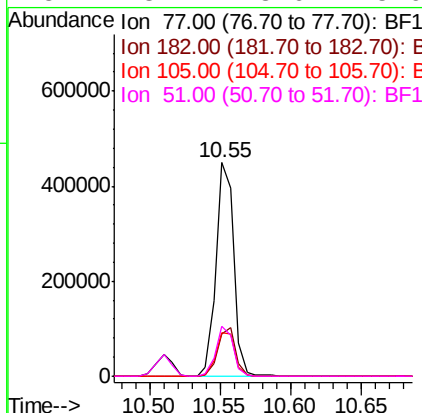
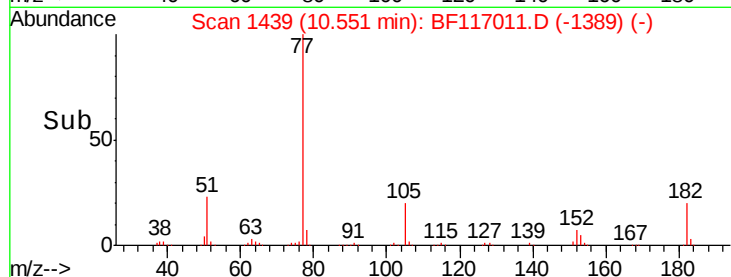
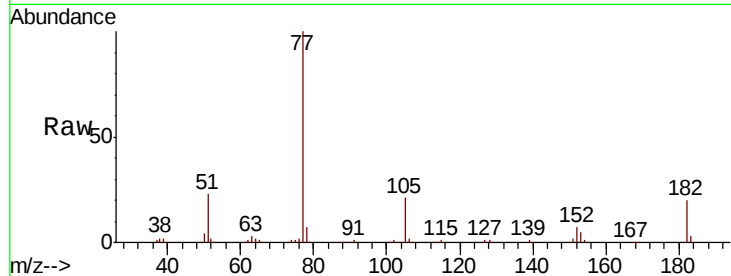
#63  
Azobenzene  
Concen: 46.818 ng  
RT: 10.55 min Scan# 1439  
Delta R.T. -0.01 min  
Lab File: BF117011.D  
Acq: 13 Sep 2019 00:44

Instrument :  
BNA\_F  
ClientSampleId :  
SB-4-20-22MSD

| Tot Ion   | 77    | Resp  | 392436 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 182       | 19.8  | 1.9   | 41.9   |
| 105       | 20.5  | 1.5   | 41.5   |
| 51        | 23.2  | 3.6   | 43.6   |

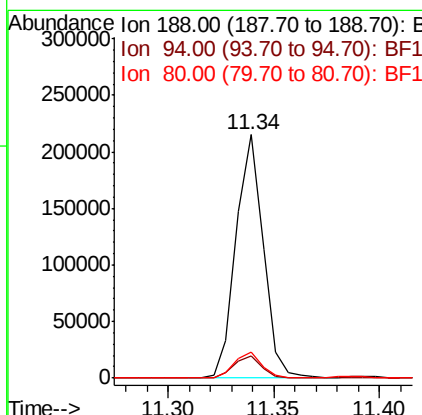
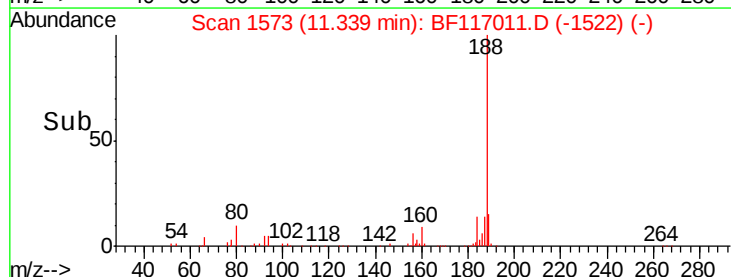
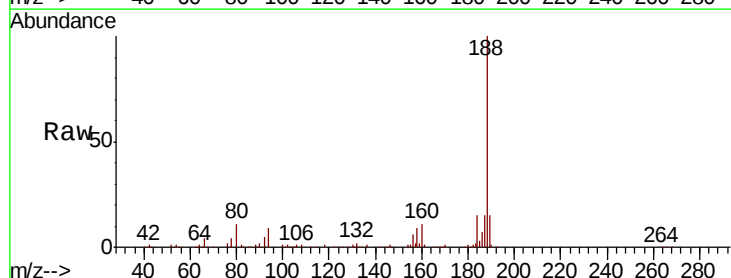
Manual Integrations  
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#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.34 min Scan# 1573  
Delta R.T. 0.00 min  
Lab File: BF117011.D  
Acq: 13 Sep 2019 00:44

| Tgt Ion   | 188   | Resp  | 192665 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 188       | 100   |       |        |
| 94        | 9.1   | 7.4   | 11.2   |
| 80        | 10.8  | 8.5   | 12.7   |





#65

4,6-Dinitro-2-methylphenol

Concen: 18.424 ng

RT: 10.46 min Scan# 1423

Delta R.T. 0.00 min

Lab File: BF117011.D

Acq: 13 Sep 2019 00:44

Instrument :

BNA\_F

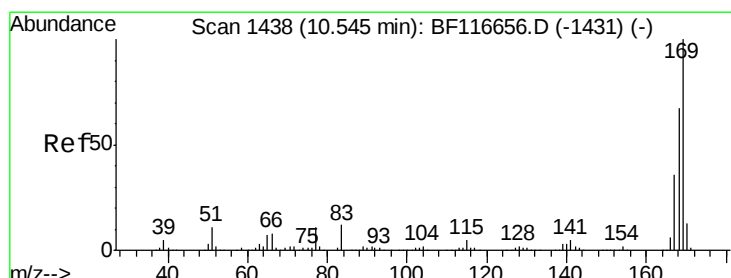
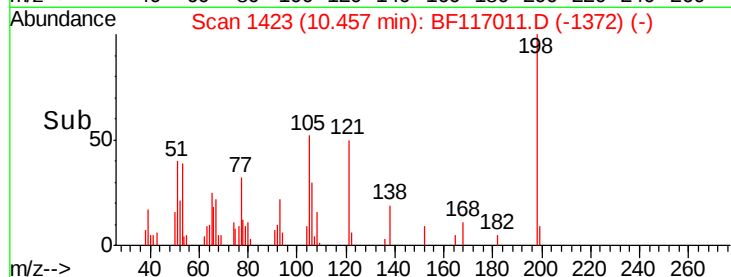
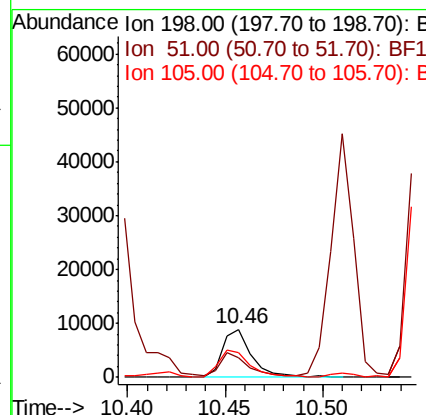
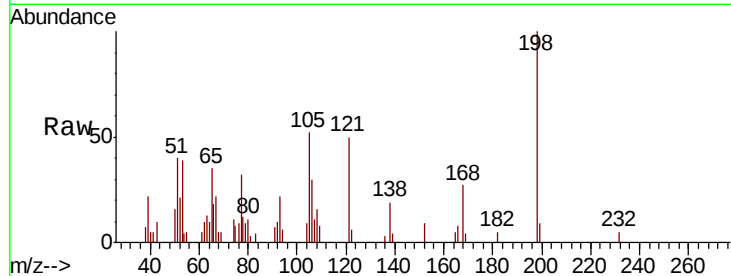
ClientSampleId :

SB-4-20-22MSD

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 198   | Resp: | 9217 |
| Ion Ratio | Lower | Upper |      |
| 198       | 100   |       |      |
| 51        | 40.1  | 26.3  | 66.3 |
| 105       | 52.4  | 40.0  | 80.0 |

Manual Integrations  
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#66

n-Nitrosodiphenylamine

Concen: 48.120 ng

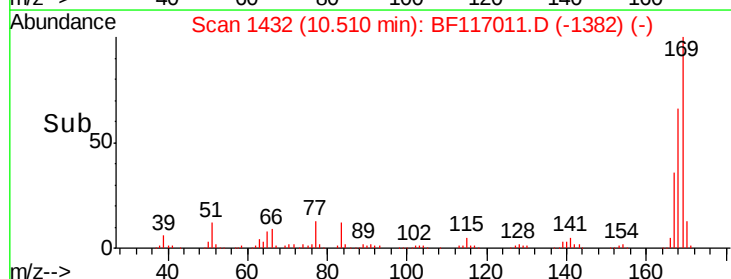
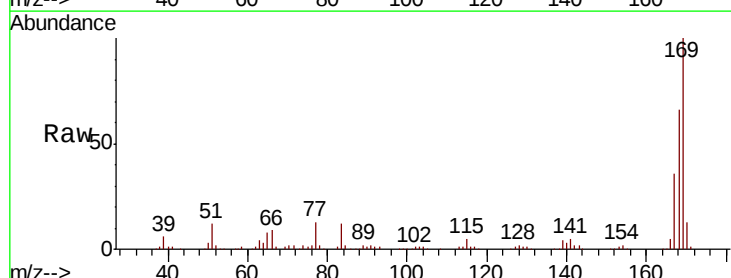
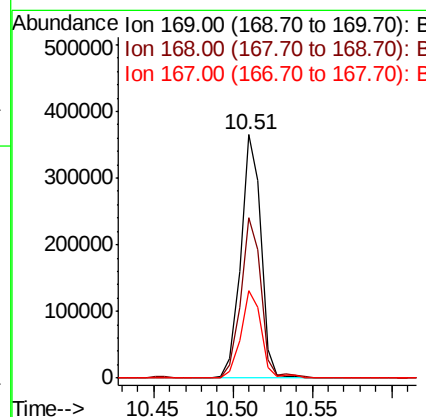
RT: 10.51 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BF117011.D

Acq: 13 Sep 2019 00:44

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 169   | Resp: | 320716 |
| Ion Ratio | Lower | Upper |        |
| 169       | 100   |       |        |
| 168       | 66.0  | 53.5  | 80.3   |
| 167       | 36.2  | 28.7  | 43.1   |





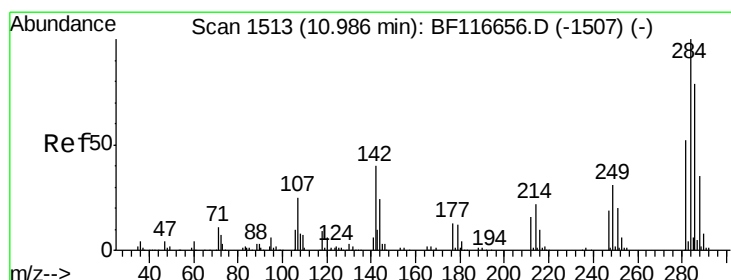
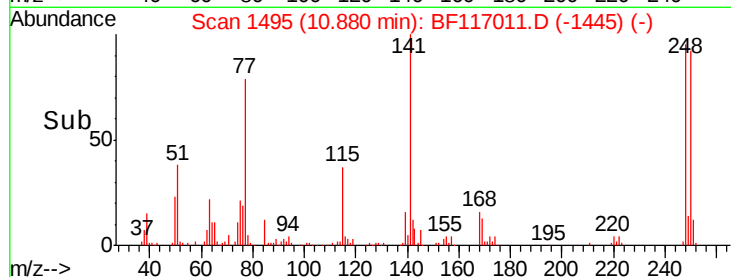
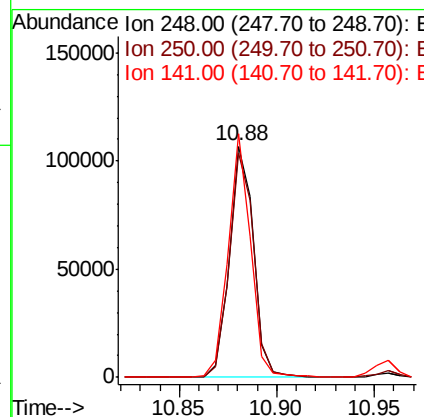
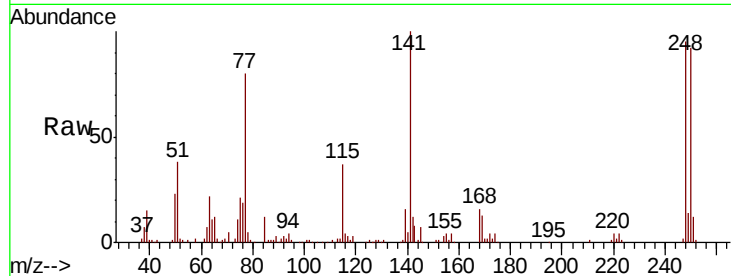
#67  
4-Bromophenyl-phenylether  
Concen: 46.571 ng  
RT: 10.88 min Scan# 1495  
Delta R.T. -0.01 min  
Lab File: BF117011.D  
Acq: 13 Sep 2019 00:44

Instrument :  
BNA\_F  
ClientSampleId :  
SB-4-20-22MSD

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 248     | 100   |       |        |
| 250     | 96.9  | 77.0  | 115.4  |
| 141     | 105.4 | 70.2  | 105.2# |

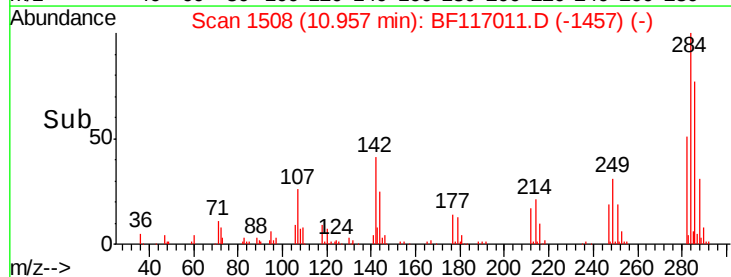
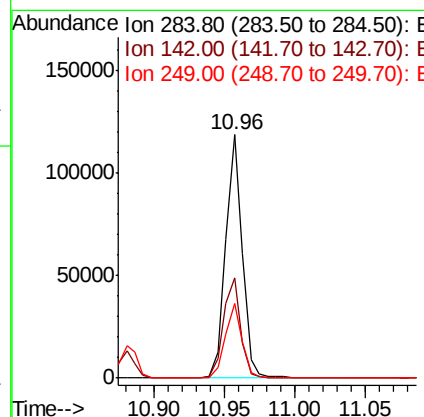
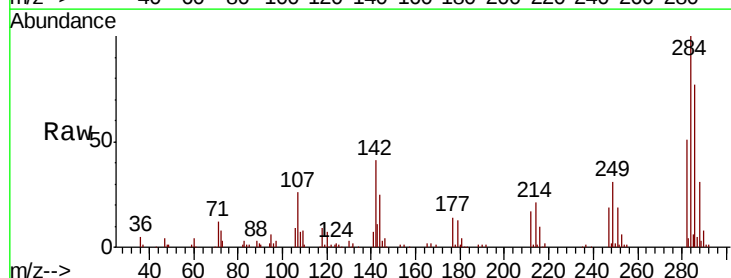
Manual Integrations  
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#68  
Hexachlorobenzene  
Concen: 47.355 ng  
RT: 10.96 min Scan# 1508  
Delta R.T. 0.00 min  
Lab File: BF117011.D  
Acq: 13 Sep 2019 00:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 41.3  | 37.2  | 55.8  |
| 249     | 30.6  | 25.9  | 38.9  |





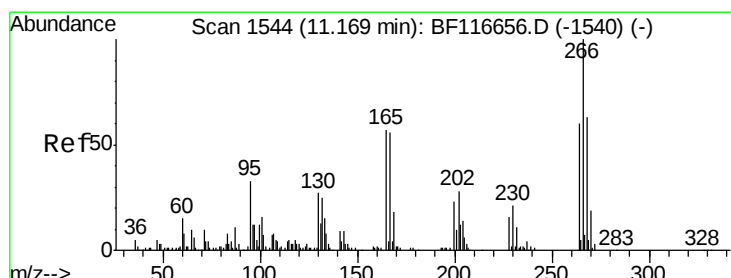
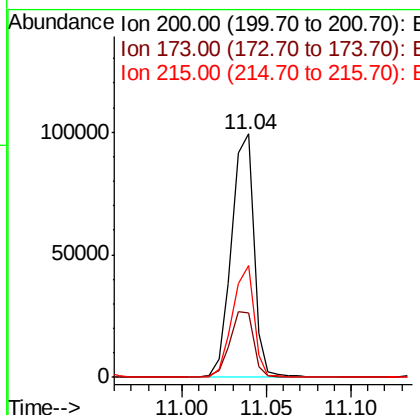
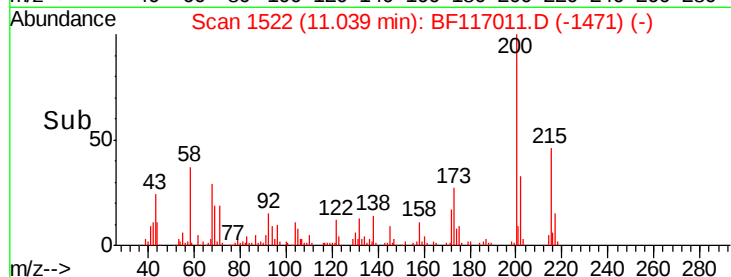
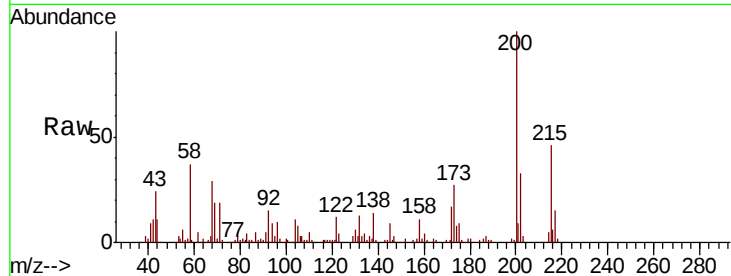
#69  
Atrazine  
Concen: 49.237 ng  
RT: 11.04 min Scan# 1522  
Delta R.T. 0.00 min  
Lab File: BF117011.D  
Acq: 13 Sep 2019 00:44

Instrument :  
BNA\_F  
ClientSampleId :  
SB-4-20-22MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 26.7  | 7.0   | 47.0  |
| 215     | 45.8  | 22.9  | 62.9  |

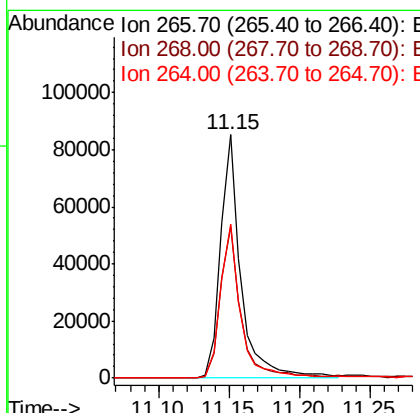
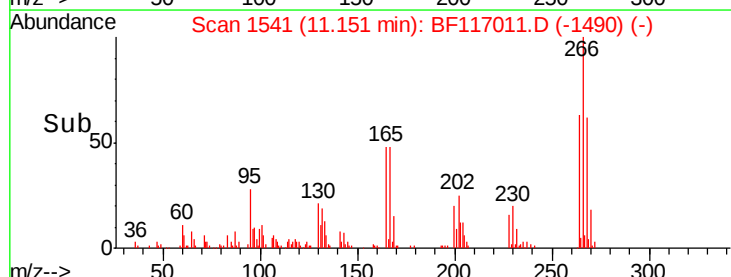
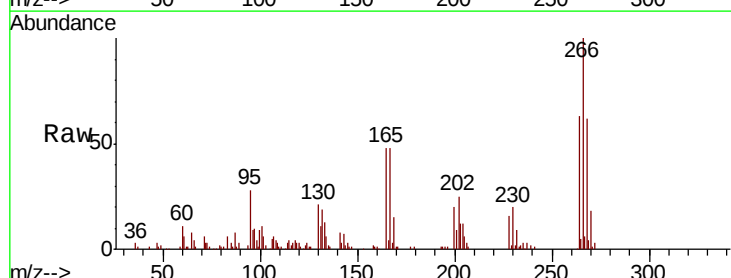
Manual Integrations  
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9/16/2019 9:00:04 AM



#70  
Pentachlorophenol  
Concen: 86.959 ng  
RT: 11.15 min Scan# 1541  
Delta R.T. 0.00 min  
Lab File: BF117011.D  
Acq: 13 Sep 2019 00:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 62.1  | 51.4  | 77.2  |
| 264     | 63.3  | 52.1  | 78.1  |





#71

Phenanthrene

Concen: 48.587 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF117011.D

Acq: 13 Sep 2019 00:44

Instrument :

BNA\_F

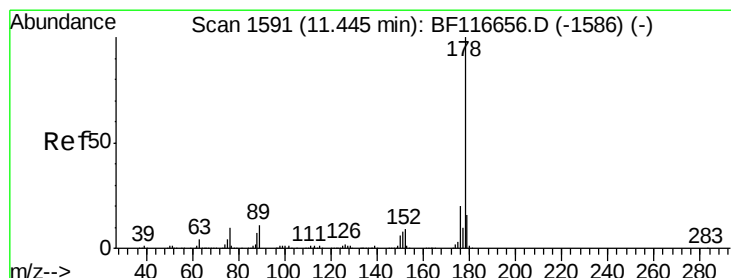
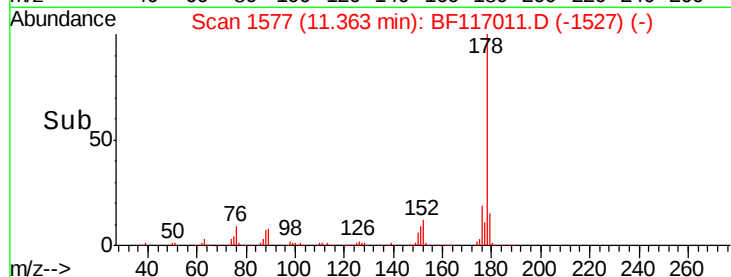
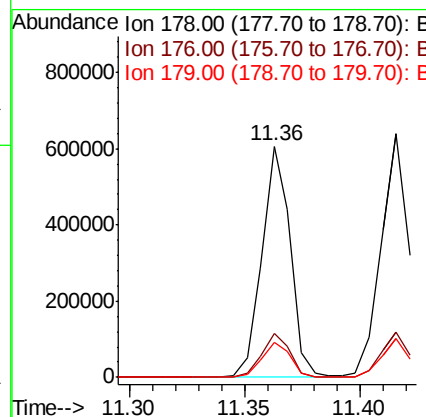
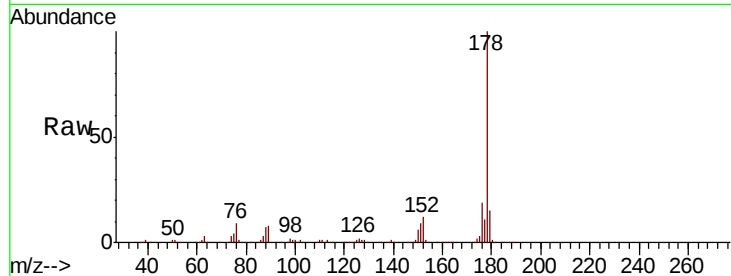
ClientSampleId :

SB-4-20-22MSD

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:178 | Resp: | 521097    |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 176         | 19.1  | 15.7 23.5 |
| 179         | 15.4  | 12.0 18.0 |

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#72

Anthracene

Concen: 50.204 ng

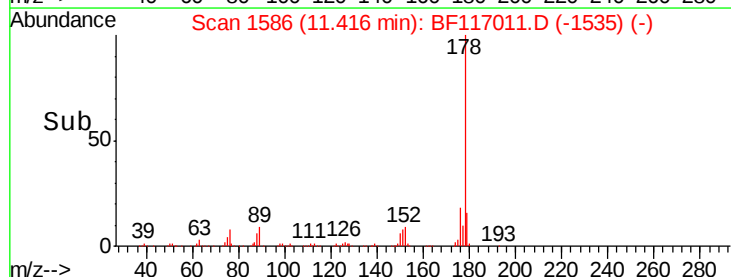
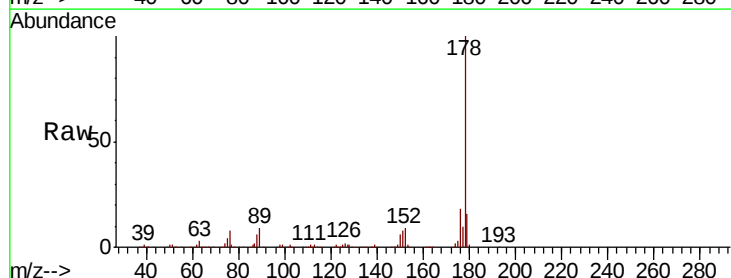
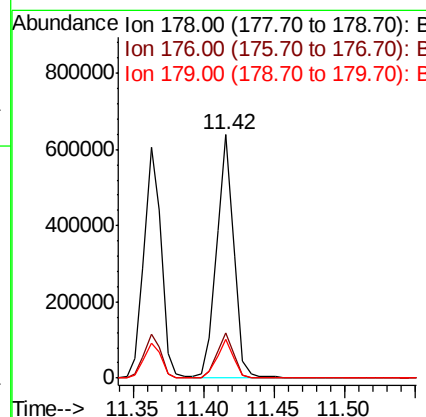
RT: 11.42 min Scan# 1586

Delta R.T. 0.00 min

Lab File: BF117011.D

Acq: 13 Sep 2019 00:44

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:178 | Resp: | 542014    |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 176         | 18.5  | 15.0 22.6 |
| 179         | 15.8  | 12.3 18.5 |





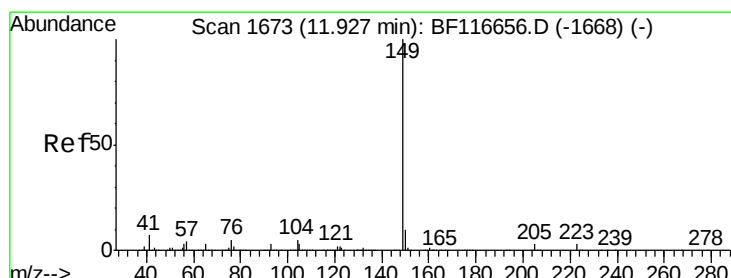
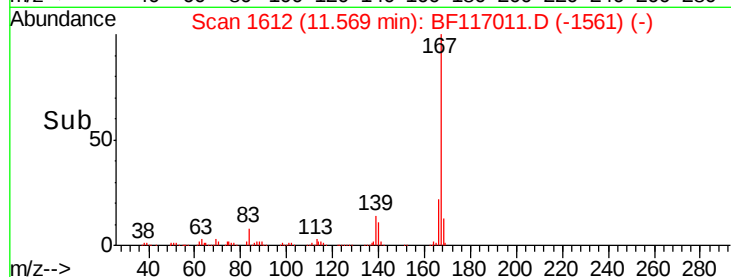
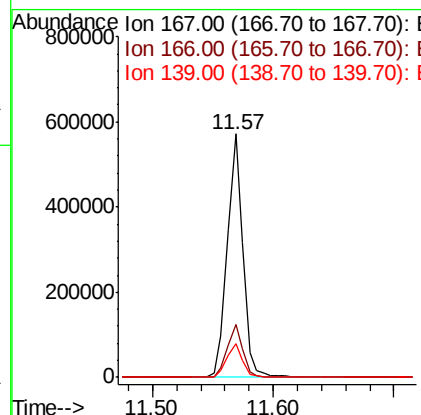
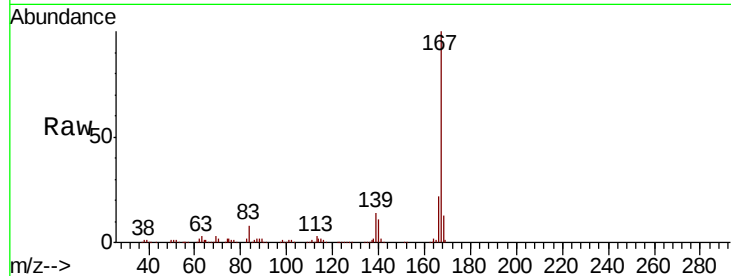
#73  
 Carbazole  
 Concen: 49.659 ng  
 RT: 11.57 min Scan# 1612  
 Delta R.T. 0.00 min  
 Lab File: BF117011.D  
 Acq: 13 Sep 2019 00:44

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-4-20-22MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 167   | Resp: | 510695 |
| Ion Ratio | Lower | Upper |        |
| 167       | 100   |       |        |
| 166       | 22.0  | 17.7  | 26.5   |
| 139       | 14.0  | 11.4  | 17.2   |

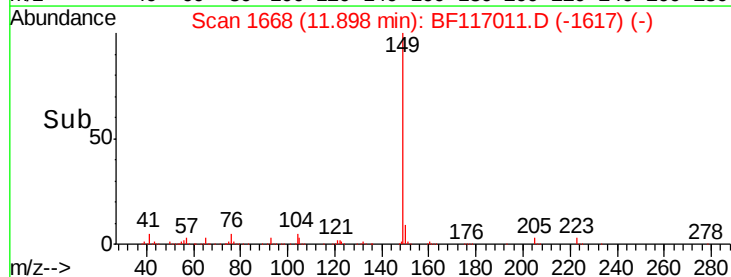
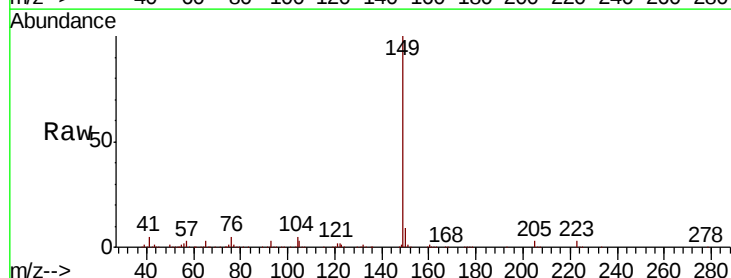
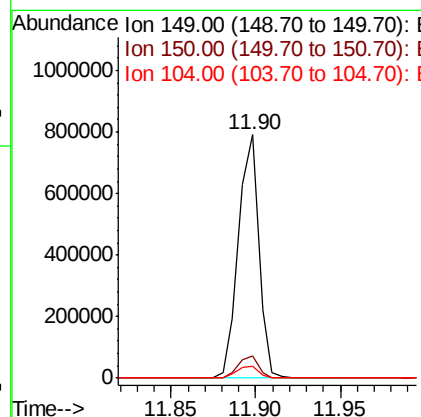
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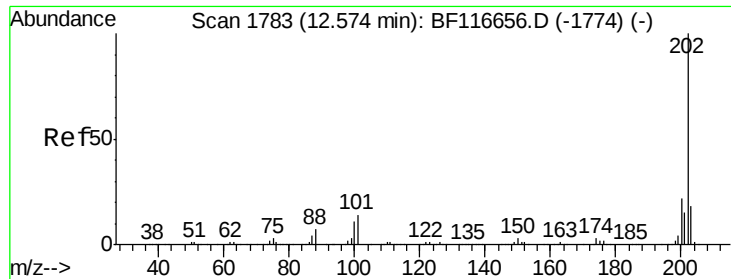
mohammad  
 9/16/2019 9:00:04 AM



#74  
 Di-n-butylphthalate  
 Concen: 50.475 ng  
 RT: 11.90 min Scan# 1668  
 Delta R.T. 0.00 min  
 Lab File: BF117011.D  
 Acq: 13 Sep 2019 00:44

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 149   | Resp: | 665451 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 150       | 9.2   | 7.4   | 11.0   |
| 104       | 4.9   | 4.3   | 6.5    |





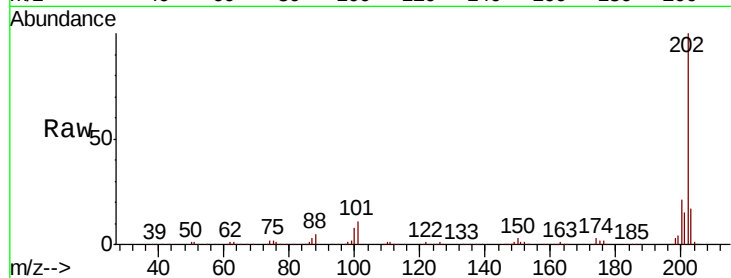
#75  
 Fluoranthene  
 Concen: 50.127 ng  
 RT: 12.55 min Scan# 1779  
 Delta R.T. 0.00 min  
 Lab File: BF117011.D  
 Acq: 13 Sep 2019 00:44

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-4-20-22MSD

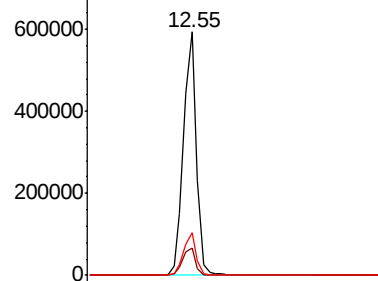
| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 101     | 11.0  | 0.0        | 32.0  |
| 203     | 17.5  | 0.0        | 37.5  |

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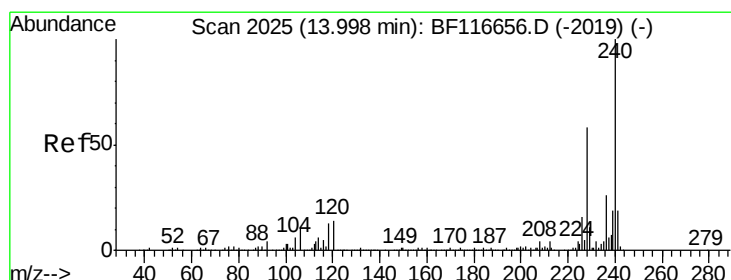
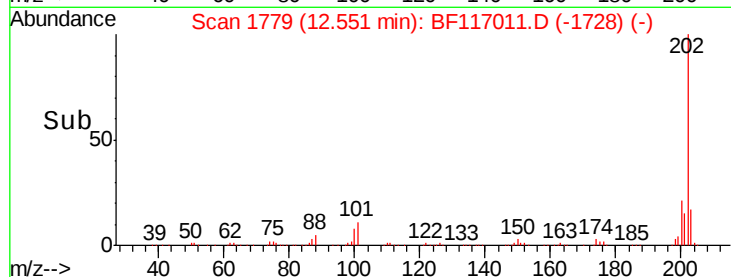
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Abundance Ion 202.00 (201.70 to 202.70): E  
 Ion 101.00 (100.70 to 101.70): E  
 Ion 203.00 (202.70 to 203.70): E

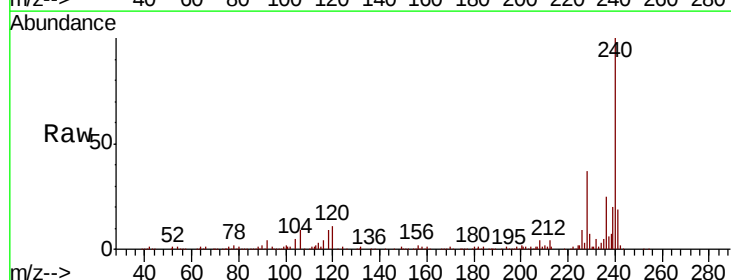


Time-->

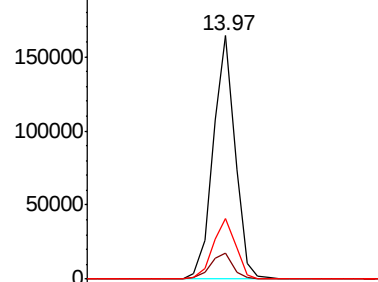


#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 13.97 min Scan# 2021  
 Delta R.T. 0.00 min  
 Lab File: BF117011.D  
 Acq: 13 Sep 2019 00:44

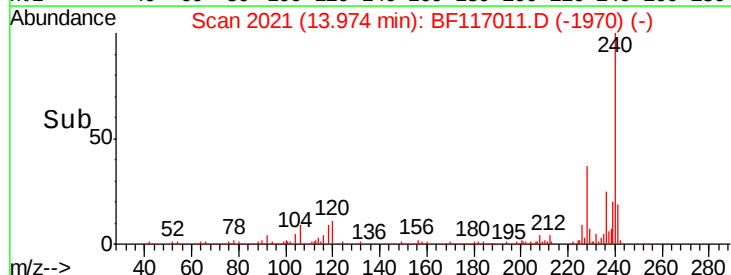
| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 240     | 100   |            |       |
| 120     | 10.6  | 9.1        | 13.7  |
| 236     | 24.9  | 20.9       | 31.3  |



Abundance Ion 240.00 (239.70 to 240.70): E  
 Ion 120.00 (119.70 to 120.70): E  
 Ion 236.00 (235.70 to 236.70): E



Time-->





#77

Benzidine

Concen: 43.302 ng

RT: 12.67 min Scan# 1799

Delta R.T. 0.00 min

Lab File: BF117011.D

Acq: 13 Sep 2019 00:44

Instrument :

BNA\_F

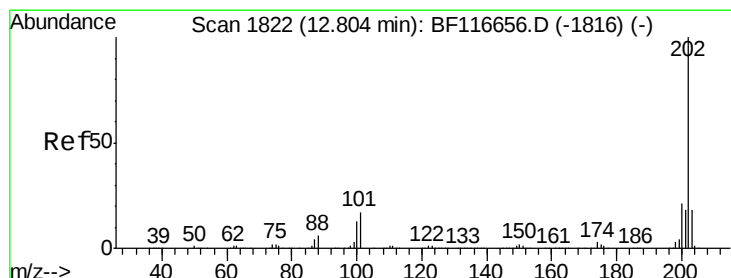
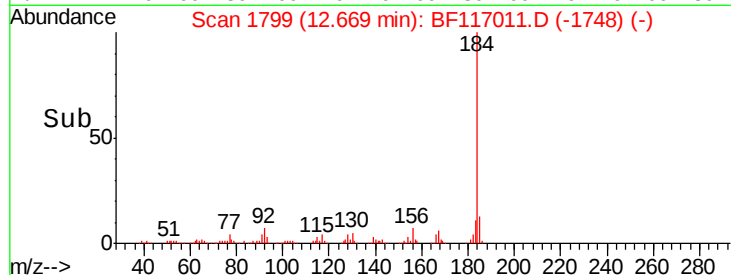
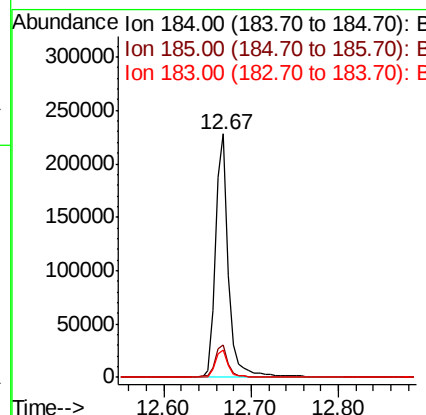
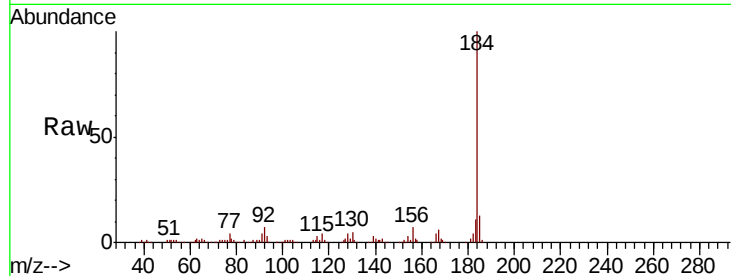
ClientSampleId :

SB-4-20-22MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 184   | Resp: | 234013 |
| Ion Ratio | Lower | Upper |        |
| 184       | 100   |       |        |
| 185       | 13.4  | 12.0  | 18.0   |
| 183       | 11.5  | 9.2   | 13.8   |

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#78

Pyrene

Concen: 42.800 ng

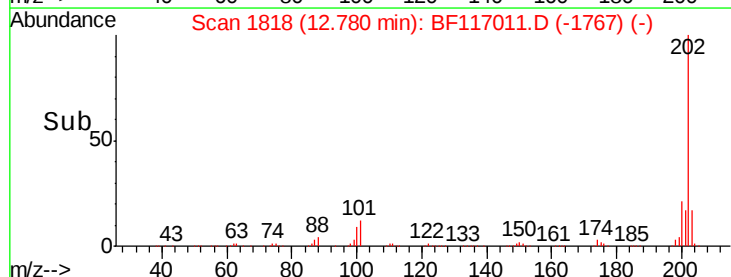
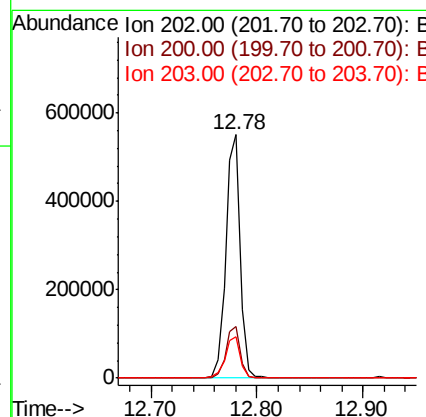
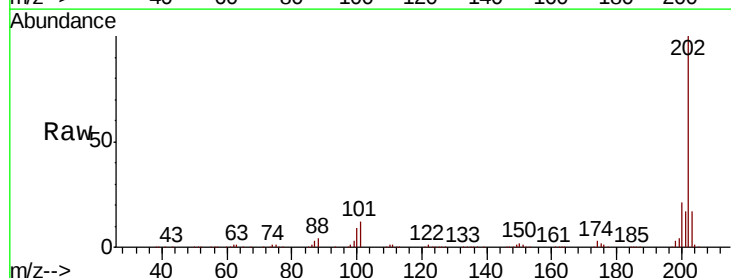
RT: 12.78 min Scan# 1818

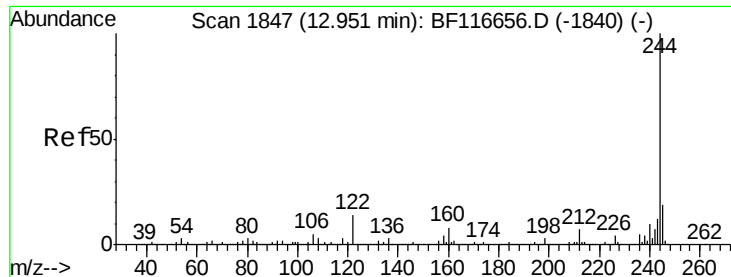
Delta R.T. 0.00 min

Lab File: BF117011.D

Acq: 13 Sep 2019 00:44

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 524222 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 200       | 21.2  | 17.2  | 25.8   |
| 203       | 17.2  | 14.2  | 21.2   |





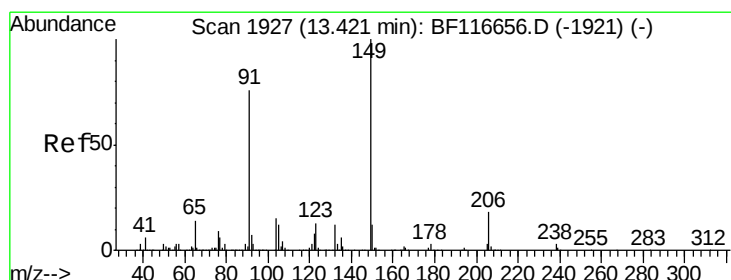
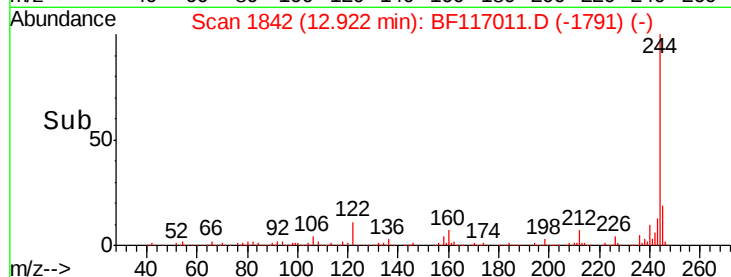
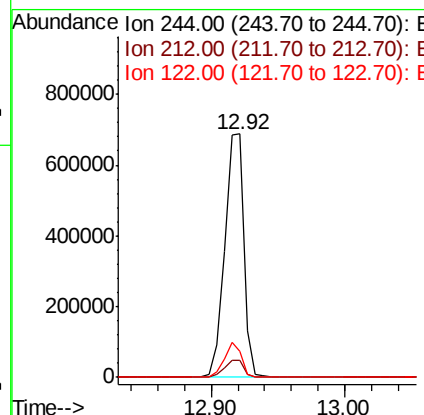
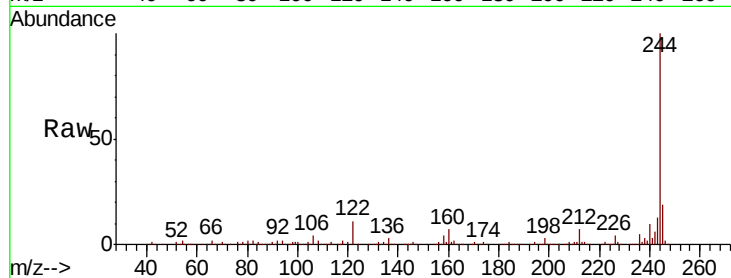
#79  
 Terphenyl-d14  
 Concen: 93.674 ng  
 RT: 12.92 min Scan# 1842  
 Delta R.T. 0.00 min  
 Lab File: BF117011.D  
 Acq: 13 Sep 2019 00:44

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-4-20-22MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 6.9   | 5.7   | 8.5   |
| 122     | 10.8  | 11.5  | 17.3  |

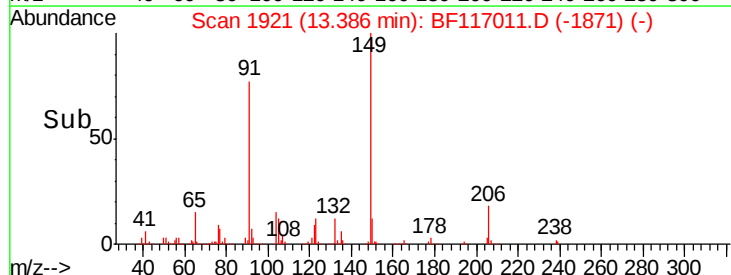
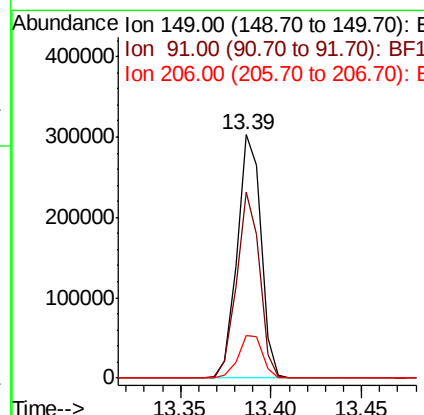
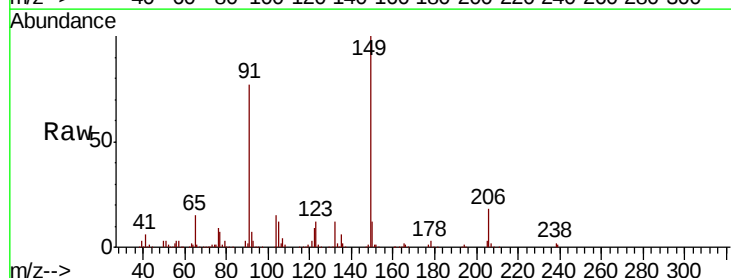
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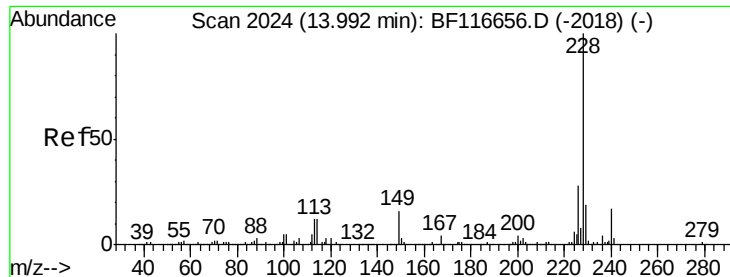
mohammad  
 9/16/2019 9:00:04 AM



#80  
 Butylbenzylphthalate  
 Concen: 46.623 ng  
 RT: 13.39 min Scan# 1921  
 Delta R.T. -0.01 min  
 Lab File: BF117011.D  
 Acq: 13 Sep 2019 00:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 76.6  | 55.8  | 83.8  |
| 206     | 17.6  | 15.0  | 22.6  |





#81

Benzo(a)anthracene

Concen: 49.049 ng

RT: 13.96 min Scan# 2019

Delta R.T. 0.00 min

Lab File: BF117011.D

Acq: 13 Sep 2019 00:44

Instrument :

BNA\_F

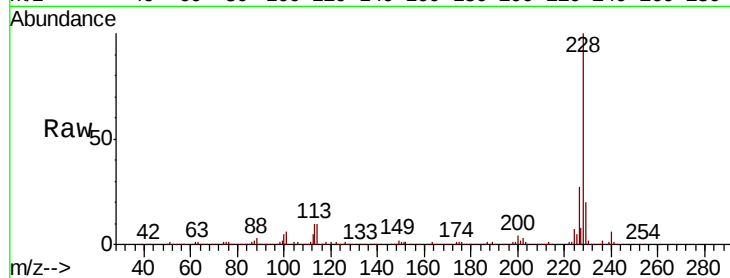
ClientSampleId :

SB-4-20-22MSD

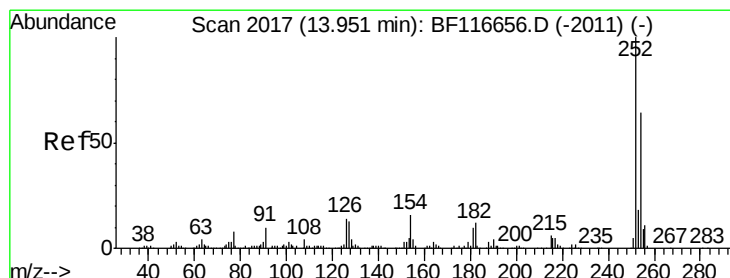
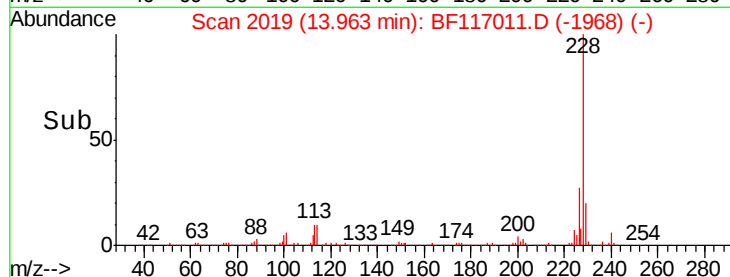
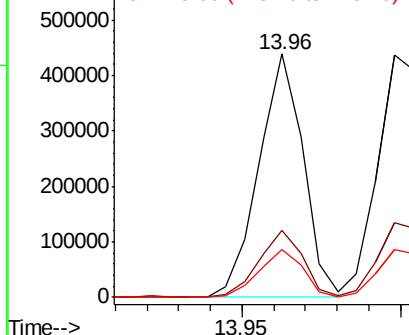
|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 228  | Resp: | 427729 |
| Ion Ratio |      | Lower | Upper  |
| 228       | 100  |       |        |
| 226       | 27.3 | 22.3  | 33.5   |
| 229       | 19.7 | 15.8  | 23.8   |

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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: 39.478 ng

RT: 13.92 min Scan# 2012

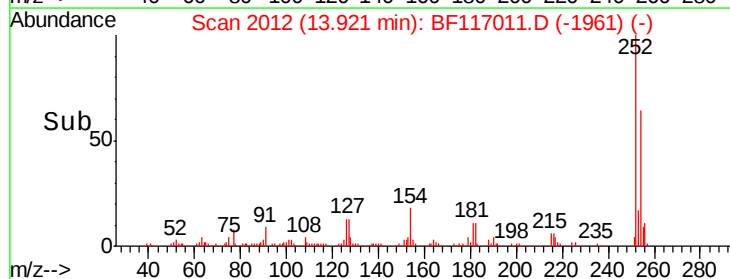
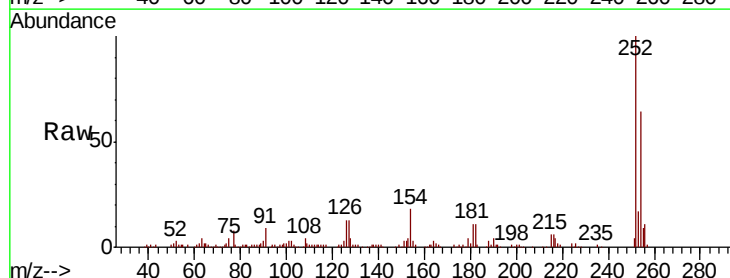
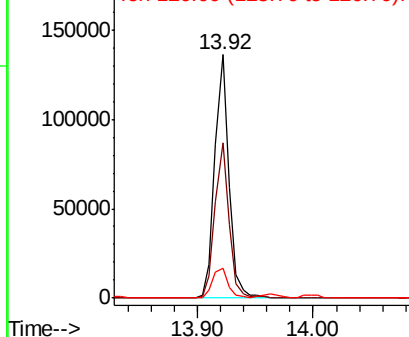
Delta R.T. 0.00 min

Lab File: BF117011.D

Acq: 13 Sep 2019 00:44

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 252  | Resp: | 116341 |
| Ion Ratio |      | Lower | Upper  |
| 252       | 100  |       |        |
| 254       | 63.8 | 51.8  | 77.8   |
| 126       | 12.5 | 10.9  | 16.3   |

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





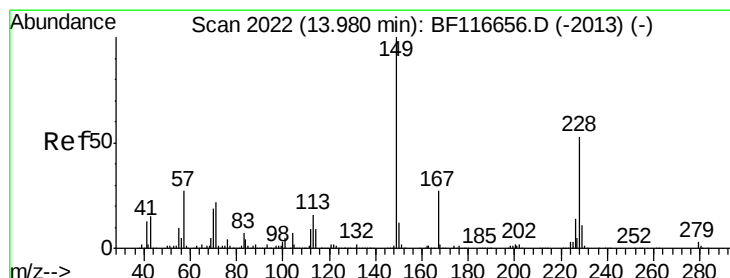
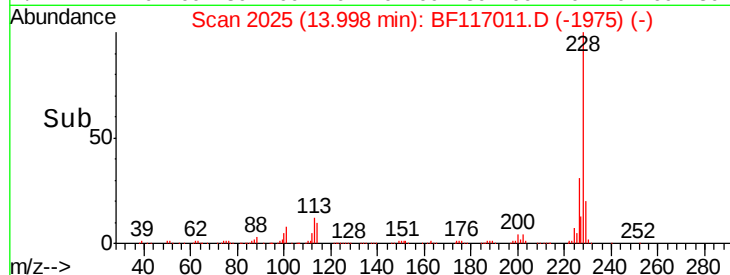
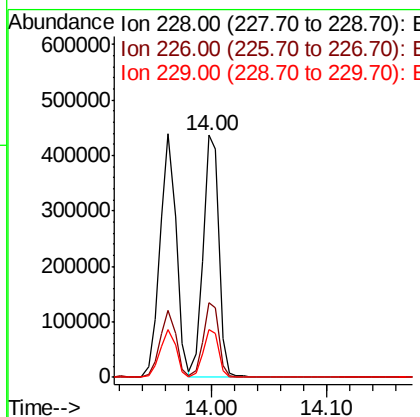
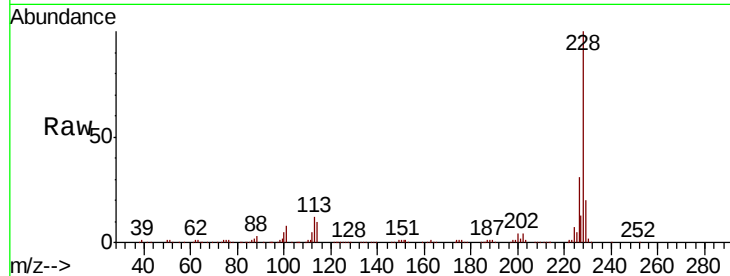
#83  
Chrysene  
Concen: 46.692 ng  
RT: 14.00 min Scan# 2025  
Delta R.T. -0.01 min  
Lab File: BF117011.D  
Acq: 13 Sep 2019 00:44

Instrument :  
BNA\_F  
ClientSampleId :  
SB-4-20-22MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.8  | 24.5  | 36.7  |
| 229     | 19.9  | 15.7  | 23.5  |

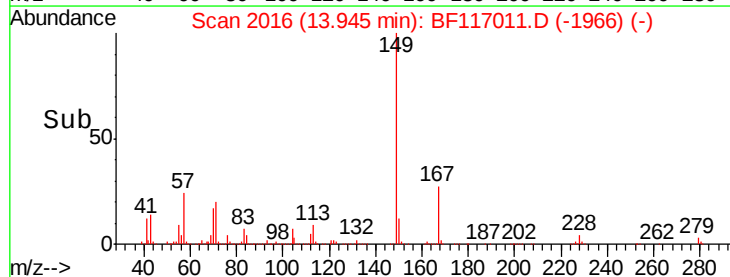
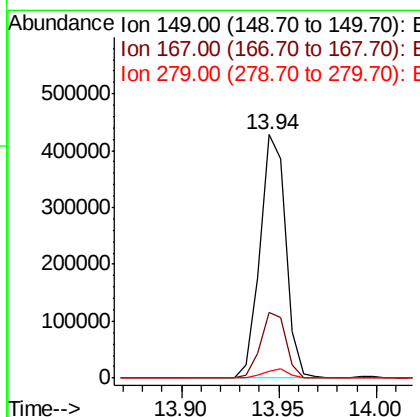
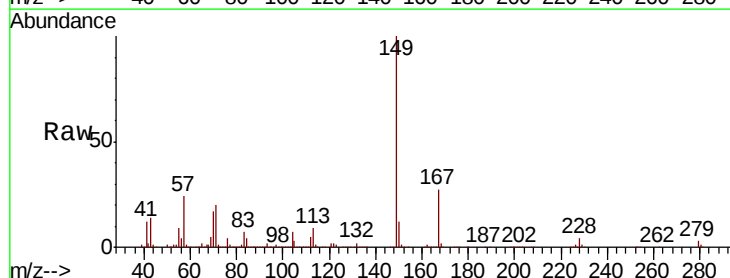
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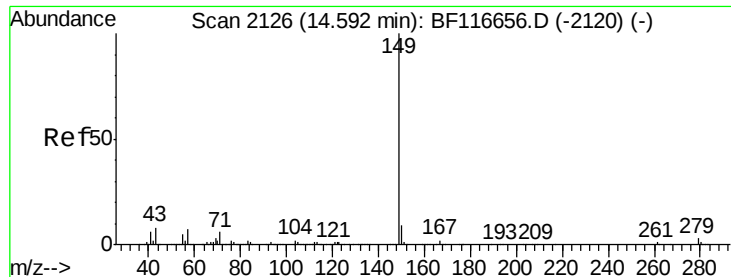
mohammad  
9/16/2019 9:00:04 AM



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 53.316 ng  
RT: 13.94 min Scan# 2016  
Delta R.T. -0.01 min  
Lab File: BF117011.D  
Acq: 13 Sep 2019 00:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 26.9  | 21.3  | 31.9  |
| 279     | 2.9   | 2.6   | 3.8   |





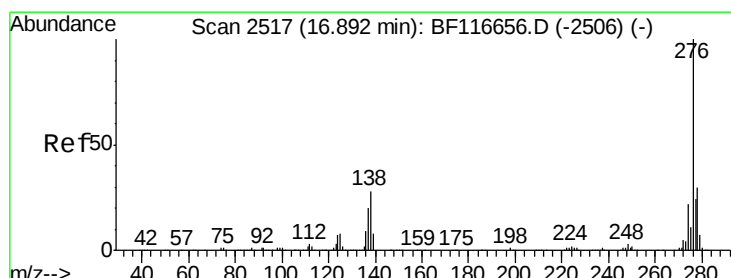
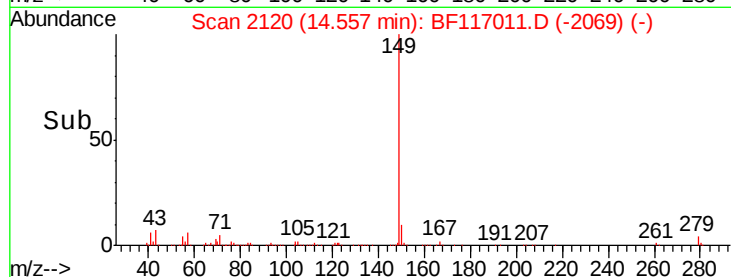
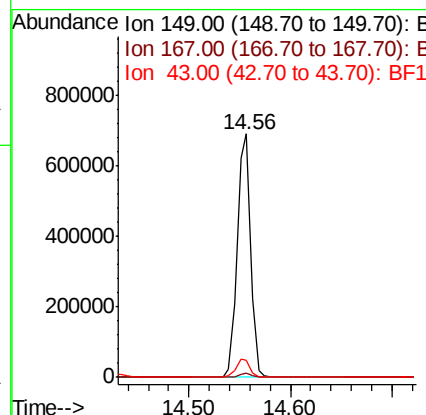
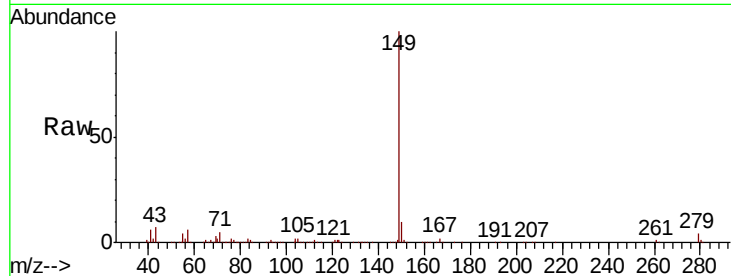
#85  
Di-n-octyl phthalate  
Concen: 52.985 ng  
RT: 14.56 min Scan# 2120  
Delta R.T. 0.00 min  
Lab File: BF117011.D  
Acq: 13 Sep 2019 00:44

Instrument :  
BNA\_F  
ClientSampleId :  
SB-4-20-22MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 637526 |       |       |
| 167     | 1.5   |        | 1.2   | 1.8   |
| 43      | 7.4   |        | 6.2   | 9.4   |

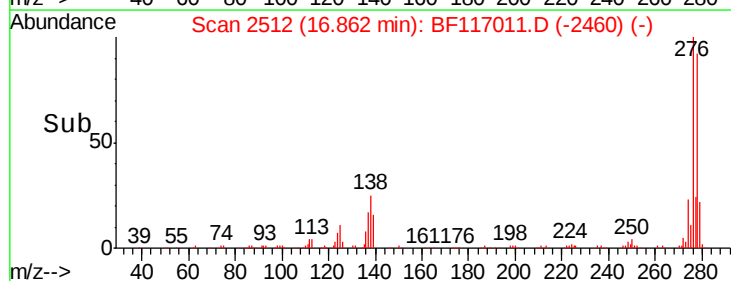
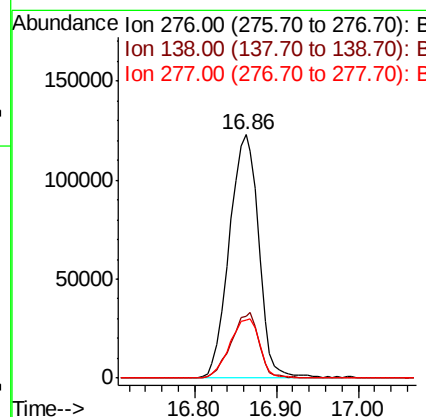
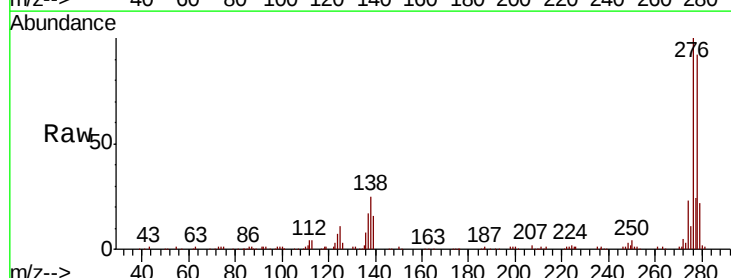
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9/16/2019 9:00:04 AM



#86  
Indeno(1,2,3-cd)pyrene  
Concen: 42.835 ng  
RT: 16.86 min Scan# 2512  
Delta R.T. 0.01 min  
Lab File: BF117011.D  
Acq: 13 Sep 2019 00:44

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 276     | 100   | 309110 |       |       |
| 138     | 25.6  |        | 20.6  | 31.0  |
| 277     | 25.0  |        | 19.9  | 29.9  |





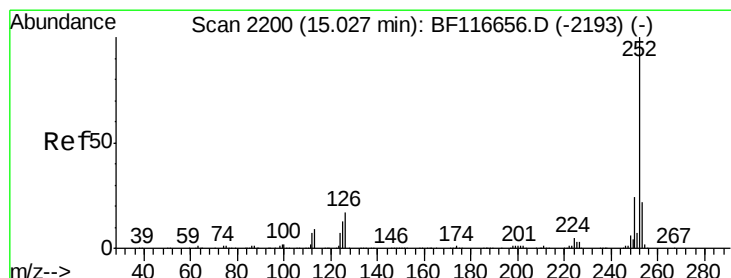
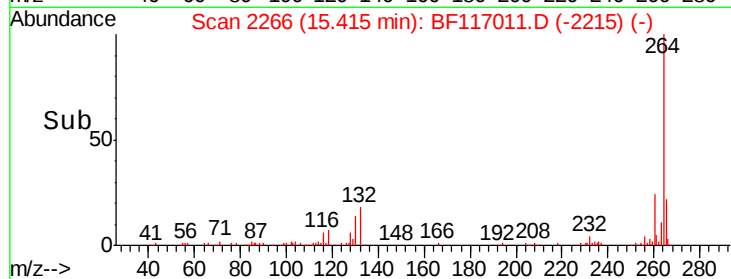
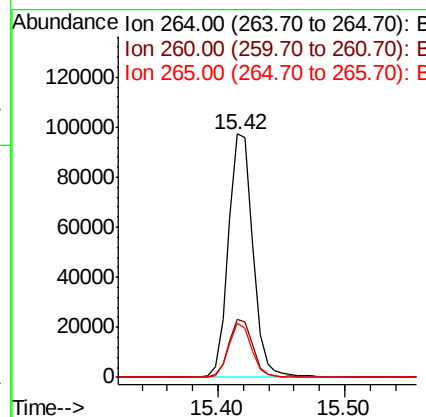
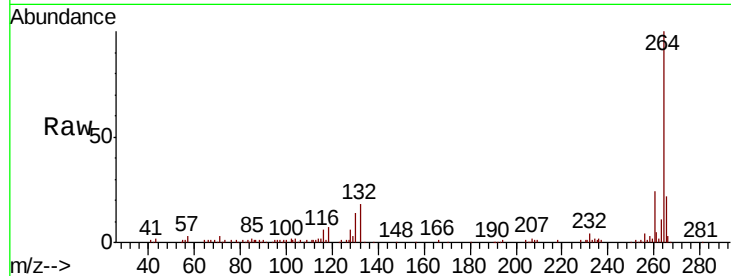
#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.42 min Scan# 2266  
Delta R.T. 0.00 min  
Lab File: BF117011.D  
Acq: 13 Sep 2019 00:44

Instrument :  
BNA\_F  
ClientSampleId :  
SB-4-20-22MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.7  | 19.0  | 28.4  |
| 265     | 22.1  | 17.9  | 26.9  |

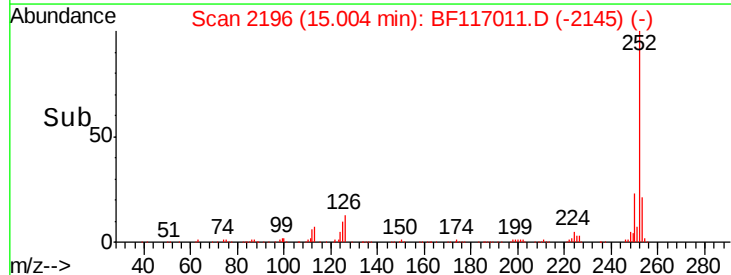
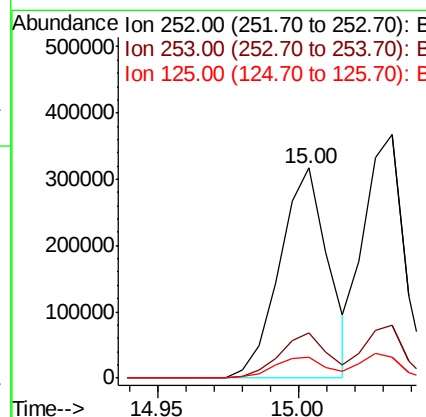
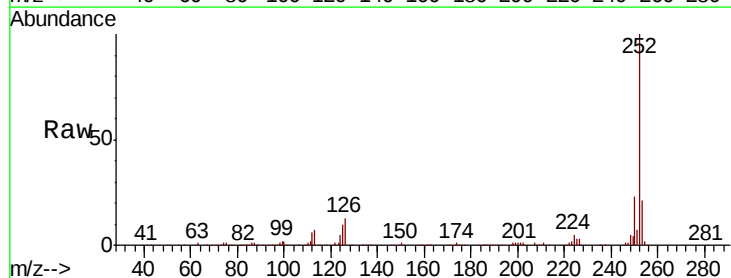
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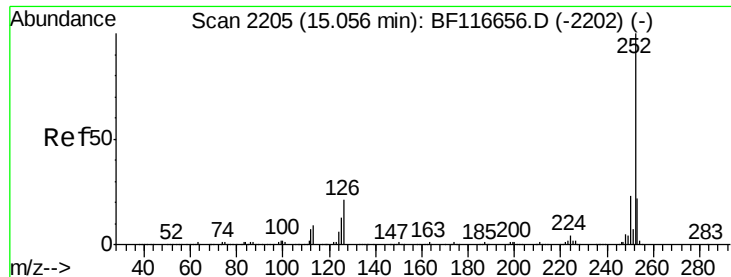
mohammad  
9/16/2019 9:00:04 AM



#88  
Benzo(b)fluoranthene  
Concen: 48.263 ng  
RT: 15.00 min Scan# 2196  
Delta R.T. 0.00 min  
Lab File: BF117011.D  
Acq: 13 Sep 2019 00:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.3  | 17.5  | 26.3  |
| 125     | 9.7   | 8.3   | 12.5  |





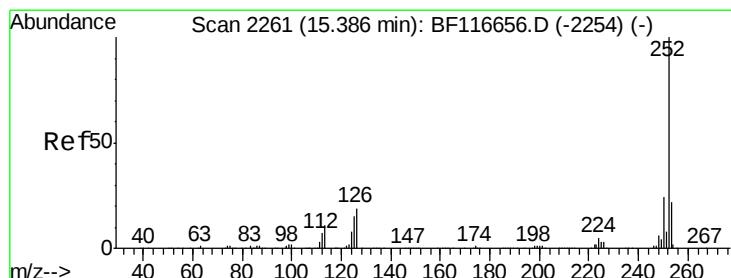
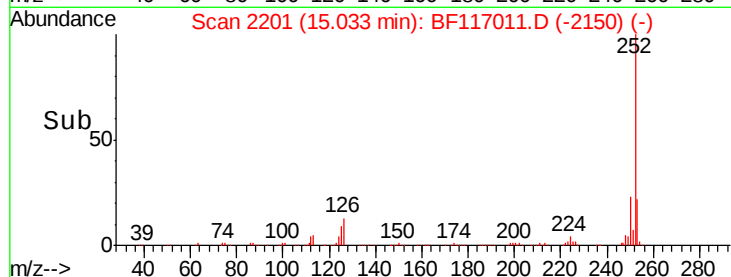
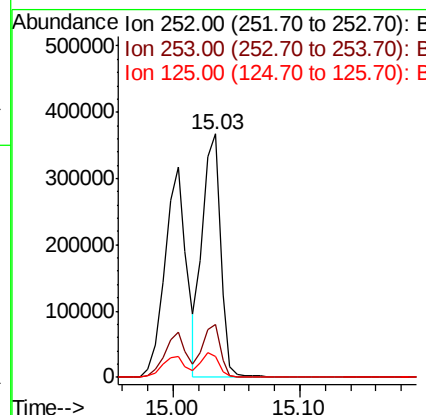
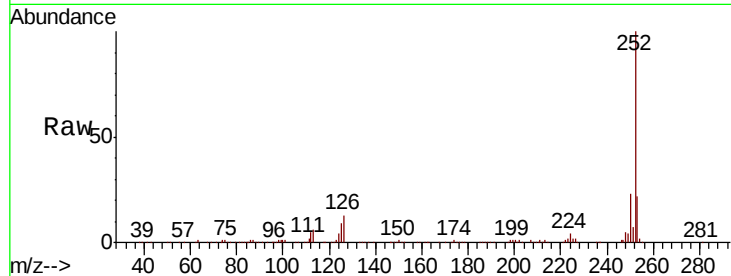
#89  
Benzo(k)fluoranthene  
Concen: 50.795 ng  
RT: 15.03 min Scan# 2201  
Delta R.T. 0.00 min  
Lab File: BF117011.D  
Acq: 13 Sep 2019 00:44

Instrument :  
BNA\_F  
ClientSampleId :  
SB-4-20-22MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.6  | 16.8  | 25.2  |
| 125     | 8.8   | 7.6   | 11.4  |

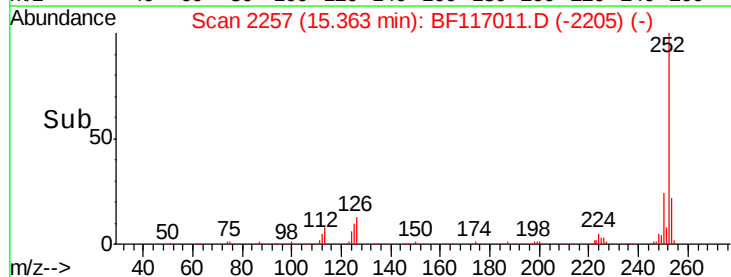
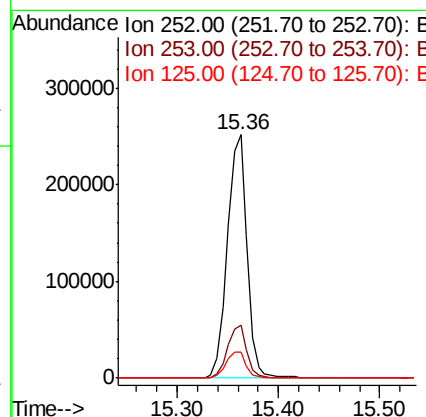
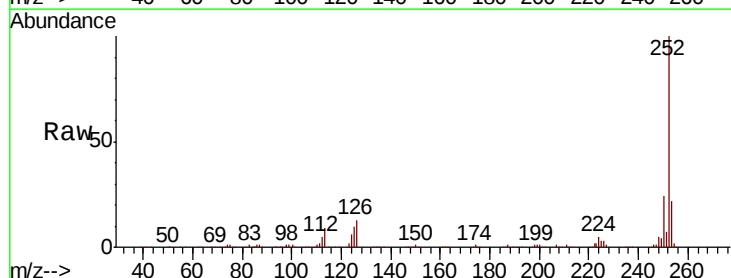
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#90  
Benzo(a)pyrene  
Concen: 49.599 ng  
RT: 15.36 min Scan# 2257  
Delta R.T. 0.01 min  
Lab File: BF117011.D  
Acq: 13 Sep 2019 00:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.8  | 17.6  | 26.4  |
| 125     | 10.4  | 10.2  | 15.2  |





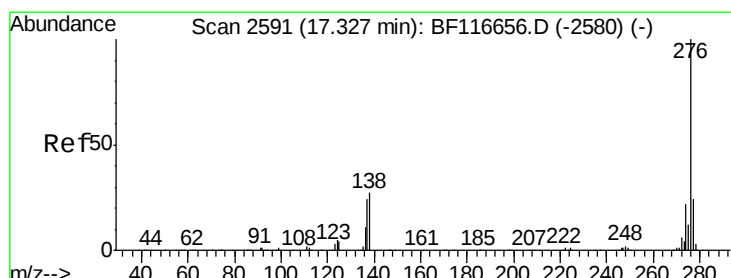
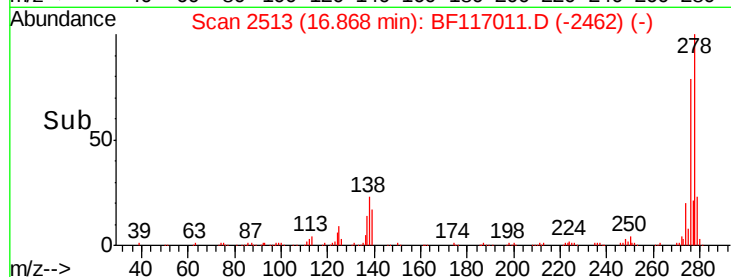
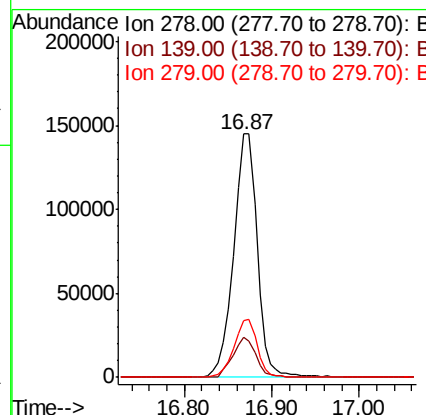
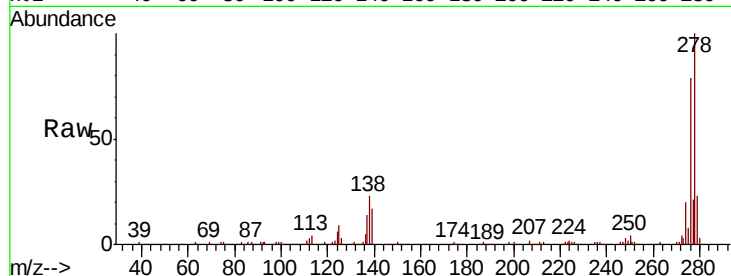
#91  
Dibenzo(a,h)anthracene  
Concen: 44.201 ng  
RT: 16.87 min Scan# 2513  
Delta R.T. 0.00 min  
Lab File: BF117011.D  
Acq: 13 Sep 2019 00:44

Instrument :  
BNA\_F  
ClientSampleId :  
SB-4-20-22MSD

|             |       |        |
|-------------|-------|--------|
| Tot Ion:278 | Resp: | 264372 |
| Ion Ratio   | Lower | Upper  |
| 278 100     |       |        |
| 139 16.5    | 13.1  | 19.7   |
| 279 23.3    | 18.6  | 27.8   |

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#92  
Benzo(g,h,i)perylene  
Concen: 39.164 ng  
RT: 17.29 min Scan# 2585  
Delta R.T. 0.01 min  
Lab File: BF117011.D  
Acq: 13 Sep 2019 00:44

|             |       |        |
|-------------|-------|--------|
| Tgt Ion:276 | Resp: | 238899 |
| Ion Ratio   | Lower | Upper  |
| 276 100     |       |        |
| 277 24.8    | 19.0  | 28.6   |
| 138 24.0    | 18.7  | 28.1   |

