

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070218\  
 Data File : BF107044.D  
 Acq On : 2 Jul 2018 15:09  
 Operator : JU/SJ  
 Sample : J3742-01MS  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 JCSA-302MS

Manual Integrations  
 APPROVED

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 7/3/2018 5:29:49 PM

Quant Time: Jul 02 17:30:55 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 29 14:38:29 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.96  | 152  | 76359    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.24  | 136  | 289447   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 10.00 | 164  | 144135   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.50 | 188  | 256903   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.16 | 240  | 205642   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.71 | 264  | 171873   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |        |        |    |       |
|--------------------------|-------|-----|--------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.62  | 112 | 517178 | 114.69 | ng | 0.02  |
| 7) Phenol-d6             | 6.61  | 99  | 597313 | 106.07 | ng | 0.00  |
| 23) Nitrobenzene-d5      | 7.53  | 82  | 451058 | 86.60  | ng | 0.00  |
| 41) 2,4,6-Tribromophenol | 10.80 | 330 | 226034 | 135.30 | ng | 0.00  |
| 44) 2-Fluorobiphenyl     | 9.31  | 172 | 832689 | 100.47 | ng | -0.01 |
| 78) Terphenyl-d14        | 13.08 | 244 | 869695 | 102.44 | ng | 0.00  |

## Target Compounds

|                                |      |     |        |        |    | Qvalue |
|--------------------------------|------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.02 | 88  | 75533  | 32.580 | ng | # 84   |
| 3) Pyridine                    | 3.72 | 79  | 181818 | 28.917 | ng | 96     |
| 4) n-Nitrosodimethylamine      | 3.68 | 42  | 88672  | 33.205 | ng | 80     |
| 6) Aniline                     | 6.63 | 93  | 100113 | 13.106 | ng | # 32   |
| 8) 2-Chlorophenol              | 6.75 | 128 | 205981 | 41.646 | ng | 98     |
| 9) Benzaldehyde                | 6.52 | 77  | 80819  | 18.195 | ng | 92     |
| 10) Phenol                     | 6.62 | 94  | 216498 | 33.687 | ng | 89     |
| 11) bis(2-Chloroethyl)ether    | 6.70 | 93  | 213076 | 40.160 | ng | 98     |
| 12) 1,3-Dichlorobenzene        | 6.90 | 146 | 253025 | 43.678 | ng | 97     |
| 13) 1,4-Dichlorobenzene        | 6.98 | 146 | 249480 | 42.598 | ng | 97     |
| 14) 1,2-Dichlorobenzene        | 7.13 | 146 | 232307 | 43.281 | ng | 97     |
| 15) Benzyl Alcohol             | 7.11 | 79  | 169560 | 37.498 | ng | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.22 | 45  | 287086 | 41.241 | ng | # 24   |
| 17) 2-Methylphenol             | 7.22 | 107 | 173030 | 40.880 | ng | # 86   |
| 18) Hexachloroethane           | 7.47 | 117 | 77308  | 37.537 | ng | # 82   |
| 19) n-Nitroso-di-n-propylamine | 7.37 | 70  | 143100 | 38.550 | ng | 94     |
| 20) 3+4-Methylphenols          | 7.38 | 107 | 215182 | 47.986 | ng | 93     |
| 22) Acetophenone               | 7.37 | 105 | 293214 | 45.279 | ng | 100    |
| 24) Nitrobenzene               | 7.55 | 77  | 225199 | 42.350 | ng | 97     |
| 25) Isophorone                 | 7.78 | 82  | 415846 | 45.310 | ng | 98     |
| 26) 2-Nitrophenol              | 7.86 | 139 | 116218 | 46.298 | ng | 95     |
| 27) 2,4-Dimethylphenol         | 7.90 | 122 | 193868 | 49.967 | ng | 99     |
| 28) bis(2-Chloroethoxy)methane | 7.98 | 93  | 269652 | 43.759 | ng | 98     |
| 29) 2,4-Dichlorophenol         | 8.11 | 162 | 195783 | 48.198 | ng | 95     |
| 30) 1,2,4-Trichlorobenzene     | 8.18 | 180 | 217568 | 48.620 | ng | 98     |
| 31) Naphthalene                | 8.27 | 128 | 619027 | 45.744 | ng | 100    |
| 32) Benzoic acid               | 8.04 | 122 | 86036  | 32.576 | ng | 95     |
| 33) 4-Chloroaniline            | 8.31 | 127 | 43555  | 7.671  | ng | 98     |
| 34) Hexachlorobutadiene        | 8.37 | 225 | 143890 | 49.349 | ng | 99     |
| 35) Caprolactam                | 8.70 | 113 | 45830m | 34.612 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 8.81 | 107 | 193052 | 45.152 | ng | 95     |
| 37) 2-Methylnaphthalene        | 8.95 | 142 | 456736 | 50.920 | ng | 96     |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.12 | 216 | 241470 | 49.746 | ng | # 96   |
| 40) Hexachlorocyclopentadiene  | 9.10 | 237 | 24615  | 9.856  | ng | 99     |

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Instrument :  
 BNA\_F  
 ClientSampleId :  
 JCSA-302MS

Manual Integrations  
 APPROVED

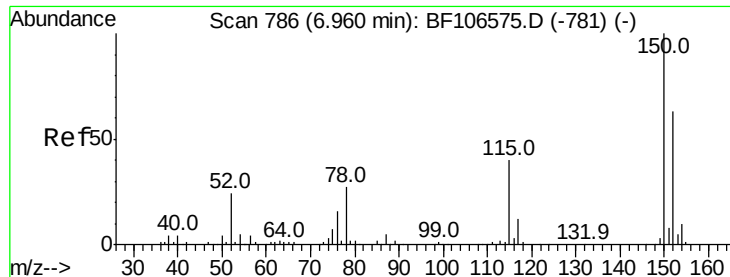
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 7/3/2018 5:29:49 PM

Quant Time: Jul 02 17:30:55 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 29 14:38:29 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.24  | 196  | 137043   | 42.474 | nq    | 92       |
| 43) 2,4,5-Trichlorophenol      | 9.29  | 196  | 143750   | 42.696 | nq    | 89       |
| 45) 1,1'-Biphenyl              | 9.42  | 154  | 533255   | 46.423 | nq    | 98       |
| 46) 2-Chloronaphthalene        | 9.45  | 162  | 395839   | 43.779 | nq    | 96       |
| 47) 2-Nitroaniline             | 9.55  | 65   | 121897   | 40.091 | nq    | 97       |
| 48) Acenaphthylene             | 9.87  | 152  | 606877   | 42.513 | nq    | 98       |
| 49) Dimethylphthalate          | 9.71  | 163  | 467098   | 43.209 | nq    | 98       |
| 50) 2,6-Dinitrotoluene         | 9.79  | 165  | 105989   | 46.301 | nq    | 91       |
| 51) Acenaphthene               | 10.04 | 154  | 365831   | 40.696 | nq    | 98       |
| 52) 3-Nitroaniline             | 9.96  | 138  | 44133    | 16.754 | nq    | 99       |
| 53) 2,4-Dinitrophenol          | 10.08 | 184  | 37893    | 35.061 | nq #  | 16       |
| 54) Dibenzofuran               | 10.21 | 168  | 546220   | 44.375 | nq    | 98       |
| 55) 4-Nitrophenol              | 10.15 | 139  | 88210    | 47.975 | nq    | 97       |
| 56) 2,4-Dinitrotoluene         | 10.20 | 165  | 130199   | 43.575 | nq    | 88       |
| 57) Fluorene                   | 10.55 | 166  | 434528   | 44.486 | nq    | 100      |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.34 | 232  | 123356   | 46.092 | nq #  | 77       |
| 59) Diethylphthalate           | 10.41 | 149  | 445254   | 42.674 | nq #  | 94       |
| 60) 4-Chlorophenyl-phenylether | 10.54 | 204  | 230766   | 45.154 | nq #  | 87       |
| 61) 4-Nitroaniline             | 10.58 | 138  | 87305    | 33.396 | nq    | 92       |
| 62) Azobenzene                 | 10.70 | 77   | 402833   | 39.206 | nq    | 91       |
| 64) 4,6-Dinitro-2-methylphenol | 10.61 | 198  | 34495    | 21.722 | nq    | 75       |
| 65) n-Nitrosodiphenylamine     | 10.66 | 169  | 378562   | 43.810 | nq    | 98       |
| 66) 4-Bromophenyl-phenylether  | 11.03 | 248  | 155159   | 50.606 | nq #  | 80       |
| 67) Hexachlorobenzene          | 11.11 | 284  | 156019   | 48.619 | nq #  | 79       |
| 68) Atrazine                   | 11.19 | 200  | 131740   | 47.958 | nq    | 92       |
| 69) Pentachlorophenol          | 11.31 | 266  | 101299   | 63.266 | nq    | 98       |
| 70) Phenanthrene               | 11.52 | 178  | 584844   | 47.199 | nq    | 99       |
| 71) Anthracene                 | 11.58 | 178  | 594918   | 47.038 | nq    | 100      |
| 72) Carbazole                  | 11.73 | 167  | 521361   | 44.030 | nq    | 98       |
| 73) Di-n-butylphthalate        | 12.04 | 149  | 636484   | 45.626 | nq    | 99       |
| 74) Fluoranthene               | 12.72 | 202  | 607932   | 44.513 | nq    | 95       |
| 76) Benzidine                  | 12.84 | 184  | 247069   | 42.186 | nq    | 97       |
| 77) Pyrene                     | 12.95 | 202  | 598224   | 44.115 | nq    | 100      |
| 79) Butylbenzylphthalate       | 13.55 | 149  | 240713   | 43.174 | nq #  | 90       |
| 80) Benzo(a)anthracene         | 14.15 | 228  | 564687   | 45.055 | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 14.10 | 252  | 175663   | 39.879 | nq #  | 96       |
| 82) Chrysene                   | 14.19 | 228  | 526091   | 45.626 | nq    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 14.10 | 149  | 307353   | 43.119 | nq #  | 97       |
| 84) Di-n-octyl phthalate       | 14.74 | 149  | 539500   | 46.432 | nq #  | 95       |
| 85) Indeno(1,2,3-cd)pyrene     | 17.31 | 276  | 421624   | 43.088 | nq #  | 89       |
| 87) Benzo(b)fluoranthene       | 15.25 | 252  | 500011   | 46.832 | nq #  | 96       |
| 88) Benzo(k)fluoranthene       | 15.29 | 252  | 460110   | 45.254 | nq #  | 94       |
| 89) Benzo(a)pyrene             | 15.65 | 252  | 445211   | 46.907 | nq #  | 96       |
| 90) Dibenzo(a,h)anthracene     | 17.32 | 278  | 362167   | 45.024 | nq #  | 94       |
| 91) Benzo(g,h,i)perylene       | 17.79 | 276  | 344612   | 43.832 | nq #  | 89       |

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





#1

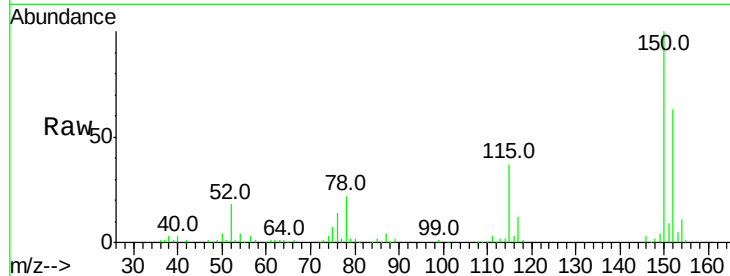
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.96 min Scan# 786  
Delta R.T. 0.00 min  
Lab File: BF107044.D  
Acq: 2 Jul 2018 15:09

Instrument :  
BNA\_F  
ClientSampleId :  
JCSA-302MS

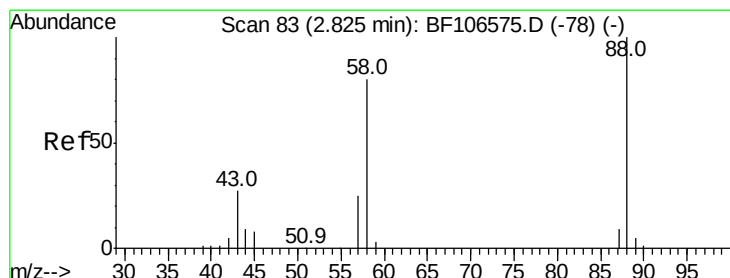
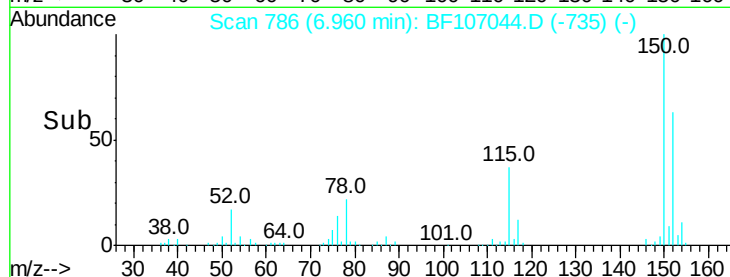
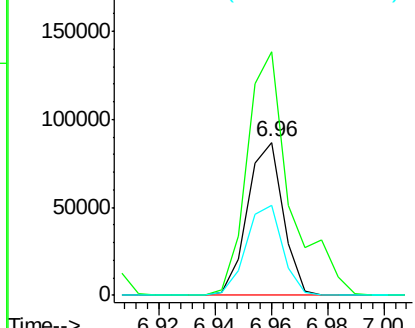
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 158.8 | 124.6 | 186.8 |
| 115     | 59.0  | 50.1  | 75.1  |

Manual Integrations  
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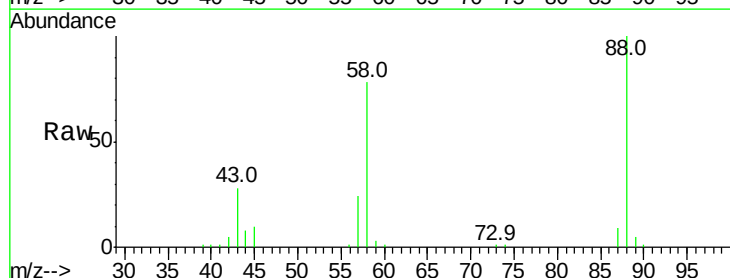
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



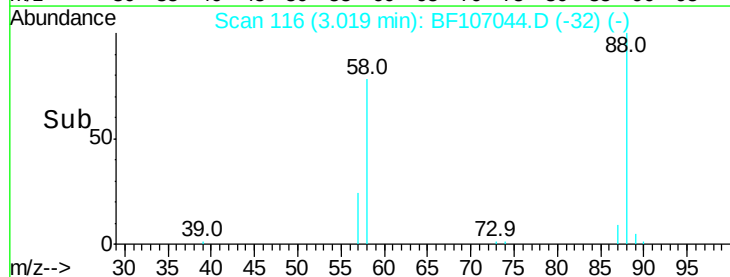
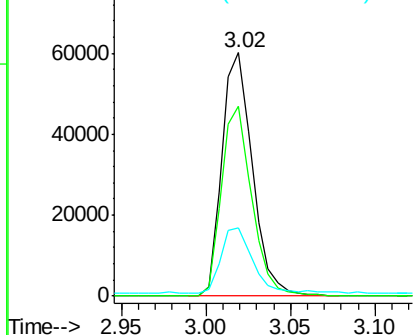
#2

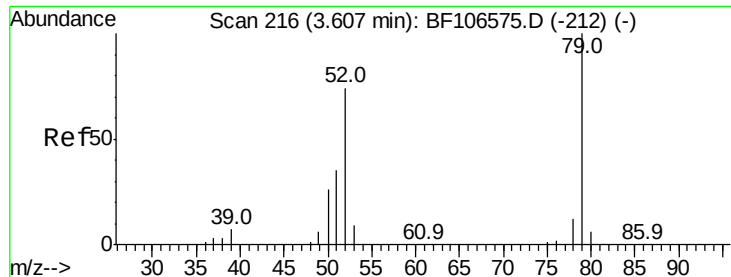
1,4-Dioxane  
Concen: 32.580 ng  
RT: 3.02 min Scan# 116  
Delta R.T. 0.19 min  
Lab File: BF107044.D  
Acq: 2 Jul 2018 15:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 77.8  | 62.6  | 93.8  |
| 43      | 0.0   | 24.6  | 37.0  |



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





#3

Pvridine

Concen: 28.917 ng

RT: 3.72 min Scan# 235

Delta R.T. 0.11 min

Lab File: BF107044.D

Acq: 2 Jul 2018 15:09

Instrument :

BNA\_F

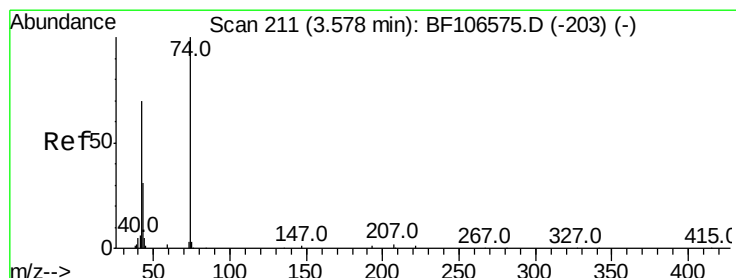
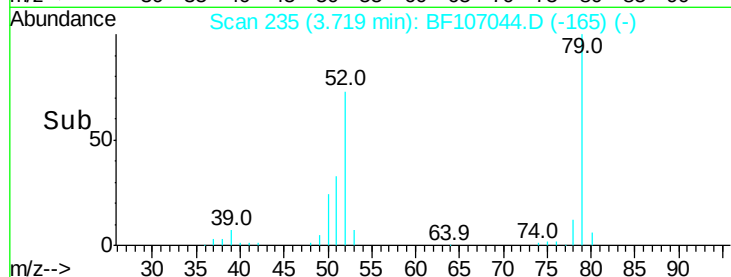
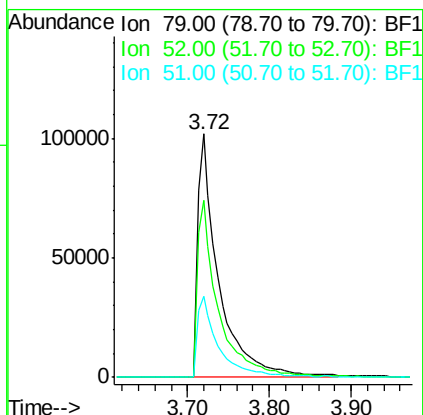
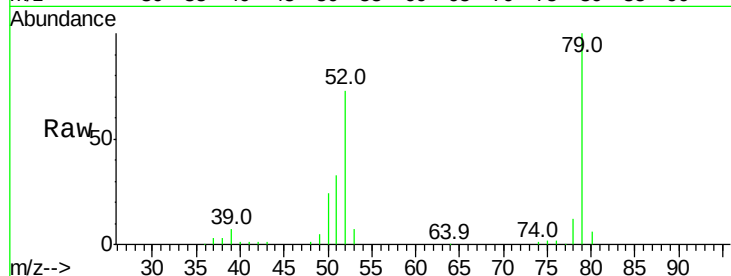
ClientSampled :

JCSA-302MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 79    | Resp: | 181818 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 52        | 72.6  | 59.8  | 89.6   |
| 51        | 33.1  | 29.8  | 44.8   |

Manual Integrations  
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#4

n-Nitrosodimethylamine

Concen: 33.205 ng

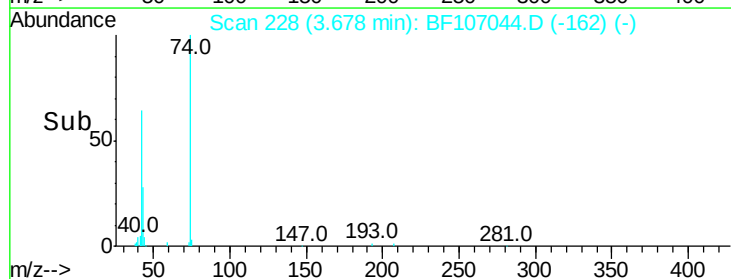
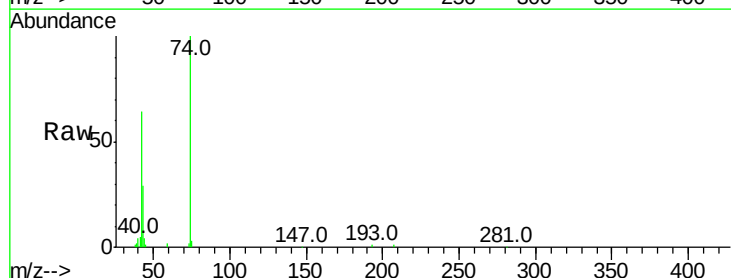
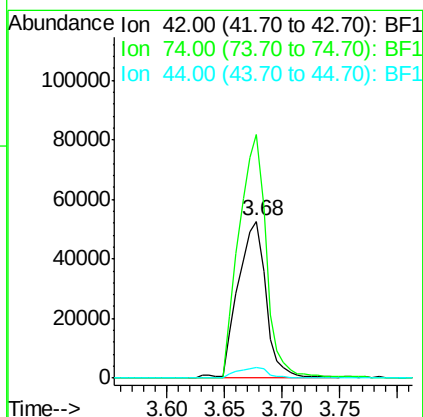
RT: 3.68 min Scan# 228

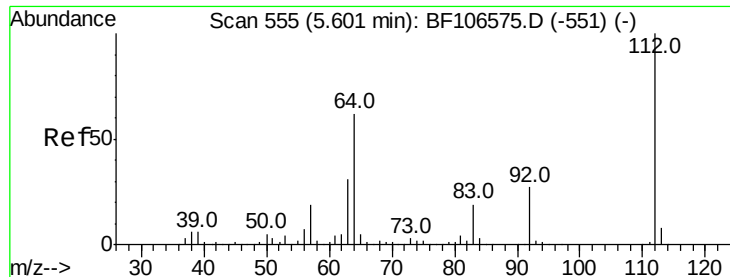
Delta R.T. 0.09 min

Lab File: BF107044.D

Acq: 2 Jul 2018 15:09

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 42    | Resp: | 88672 |
| Ion Ratio | Lower | Upper |       |
| 42        | 100   |       |       |
| 74        | 155.2 | 104.9 | 157.3 |
| 44        | 7.0   | 6.9   | 10.3  |





#5

2-Fluorophenol

Concen: 114.688 ng

RT: 5.62 min Scan# 558

Delta R.T. 0.02 min

Lab File: BF107044.D

Acq: 2 Jul 2018 15:09

Instrument :

BNA\_F

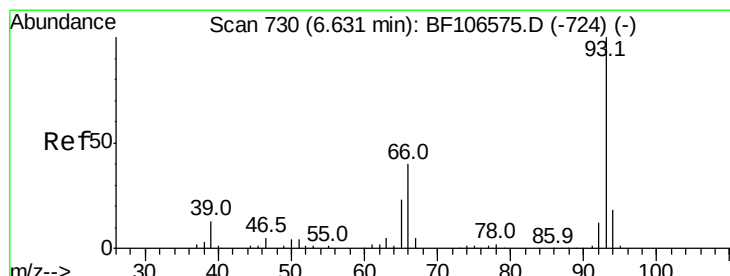
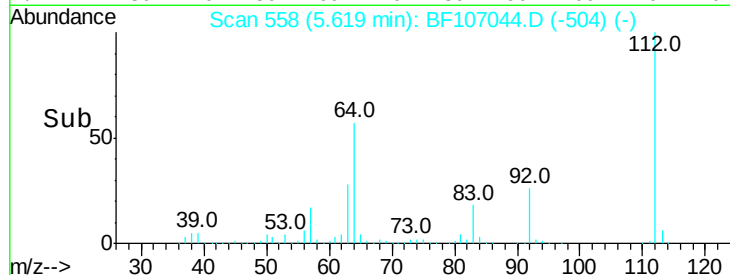
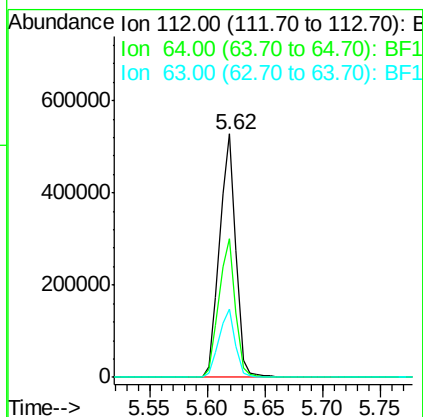
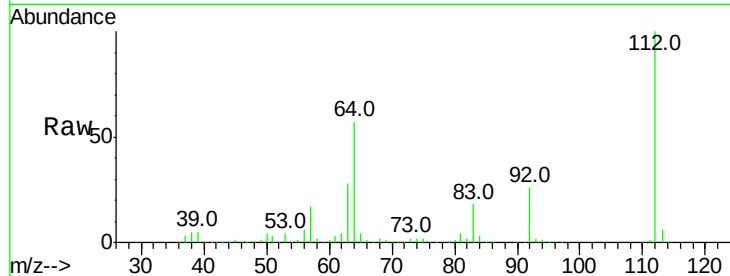
ClientSampleId :

JCSA-302MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 112   | Resp: | 517178 |
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 56.7  | 47.9  | 71.9   |
| 63        | 28.1  | 23.7  | 35.5   |

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#6

Aniline

Concen: 13.106 ng

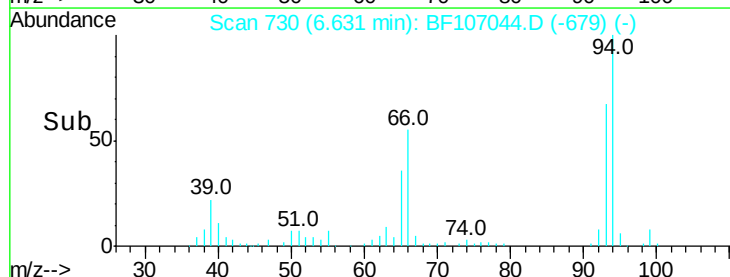
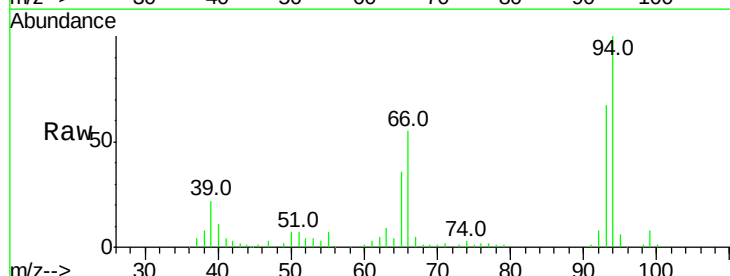
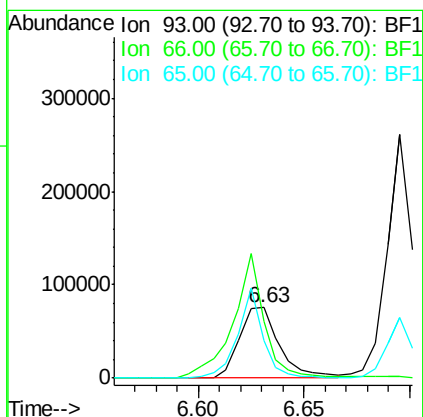
RT: 6.63 min Scan# 730

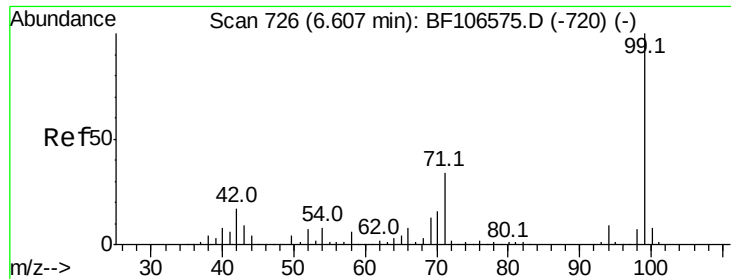
Delta R.T. 0.00 min

Lab File: BF107044.D

Acq: 2 Jul 2018 15:09

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 93    | Resp: | 100113 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 66        | 81.6  | 32.2  | 48.2#  |
| 65        | 53.0  | 16.4  | 24.6#  |





#7

Phenol-d6

Concen: 106.068 ng

RT: 6.61 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF107044.D

Acq: 2 Jul 2018 15:09

Instrument :

BNA\_F

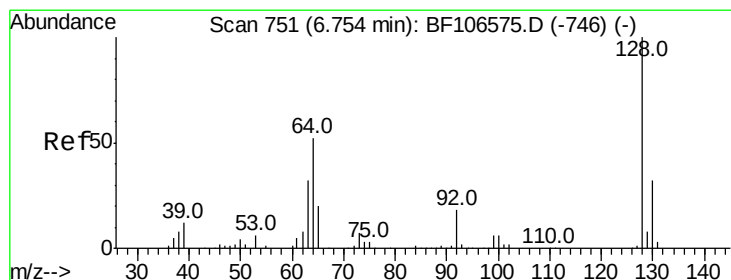
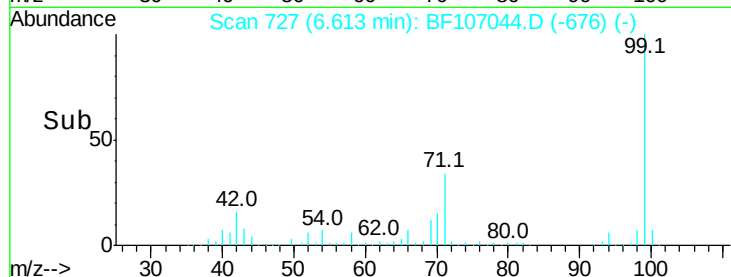
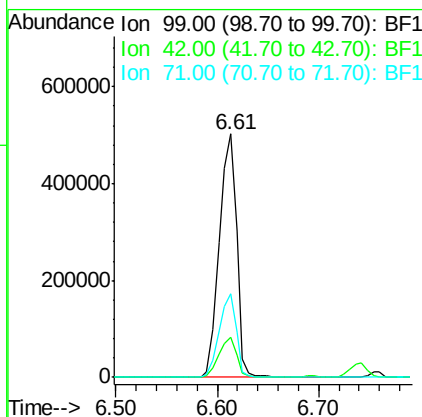
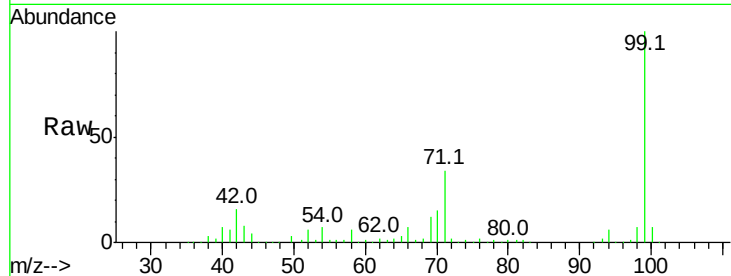
ClientSampleId :

JCSA-302MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 597313 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 16.3  | 14.5  | 21.7   |
| 71        | 34.1  | 25.4  | 38.0   |

Manual Integrations  
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#8

2-Chlorophenol

Concen: 41.646 ng

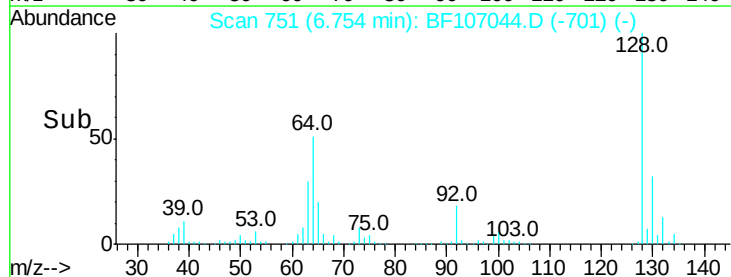
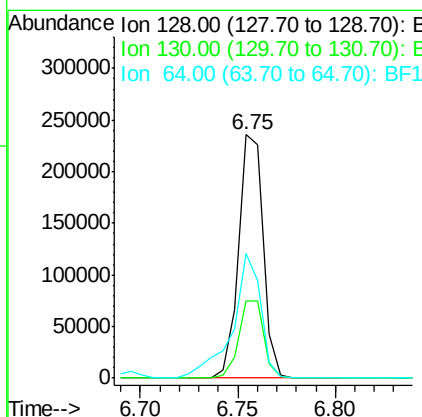
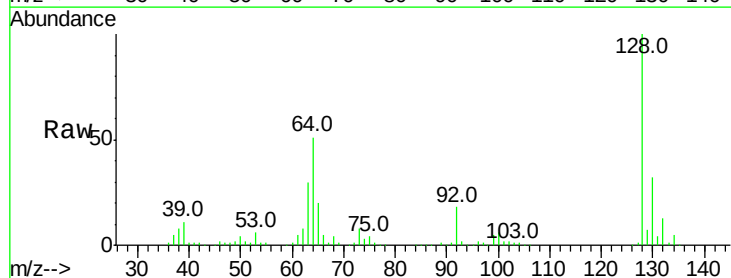
RT: 6.75 min Scan# 751

Delta R.T. -0.01 min

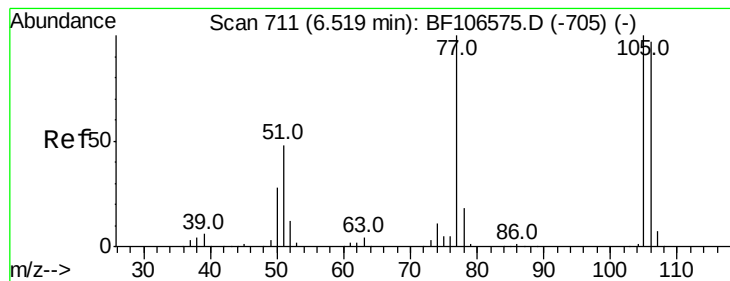
Lab File: BF107044.D

Acq: 2 Jul 2018 15:09

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 205981 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 130       | 31.7  | 13.0  | 53.0   |
| 64        | 50.9  | 29.4  | 69.4   |







#9

Benzaldehyde

Concen: 18.195 ng

RT: 6.52 min Scan# 711

Delta R.T. 0.00 min

Lab File: BF107044.D

Acq: 2 Jul 2018 15:09

Instrument :

BNA\_F

ClientSampled :

JCSA-302MS

Tot Ion: 77 Resp: 80819

Ion Ratio Lower Upper

77 100

105 107.0 81.1 121.1

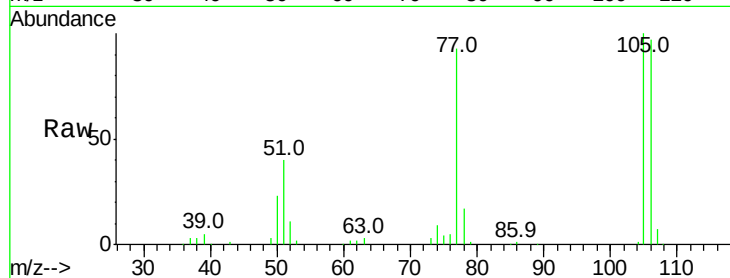
106 103.8 74.5 114.5

Manual Integrations

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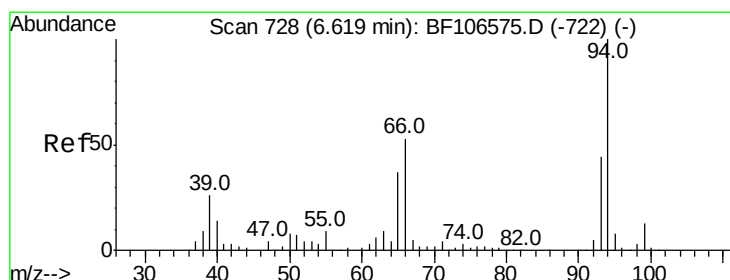
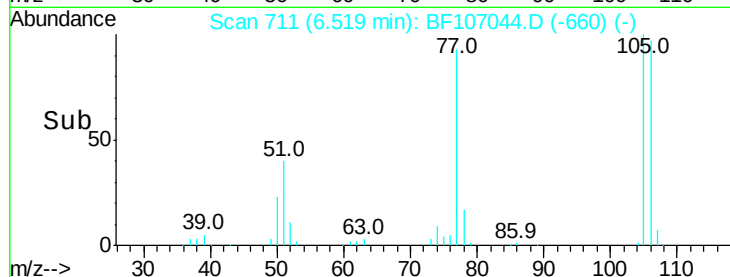
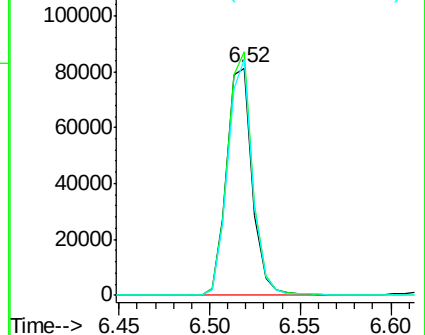
7/3/2018 5:29:49 PM



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: 33.687 ng

RT: 6.62 min Scan# 729

Delta R.T. 0.00 min

Lab File: BF107044.D

Acq: 2 Jul 2018 15:09

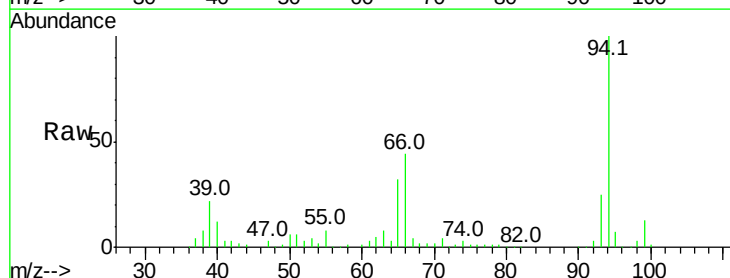
Tgt Ion: 94 Resp: 216498

Ion Ratio Lower Upper

94 100

65 32.1 7.9 47.9

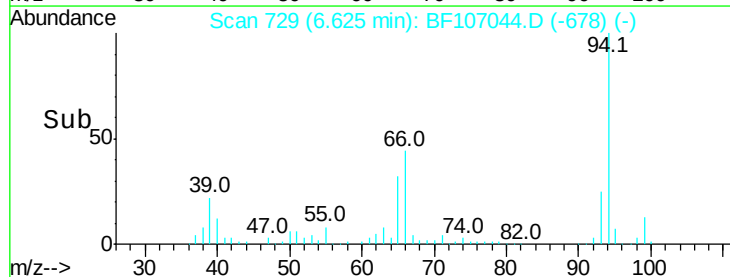
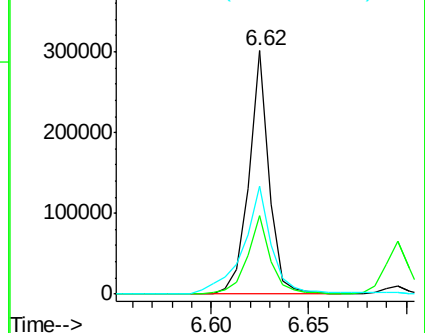
66 44.2 16.2 56.2



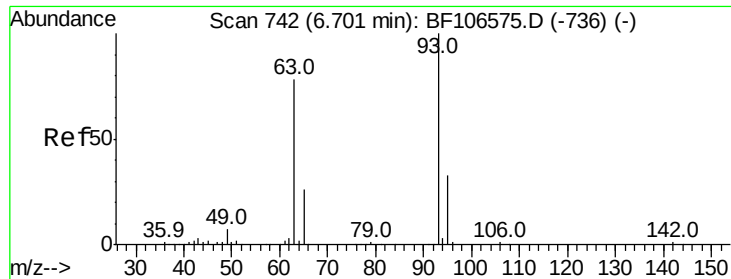
Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1







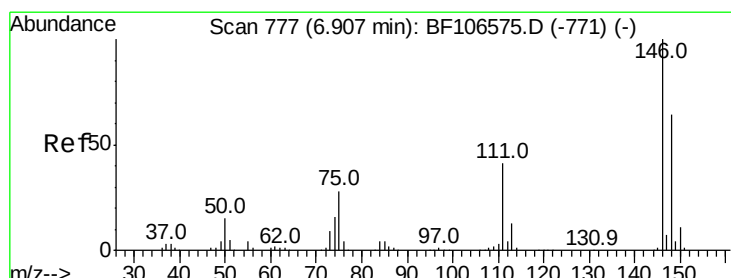
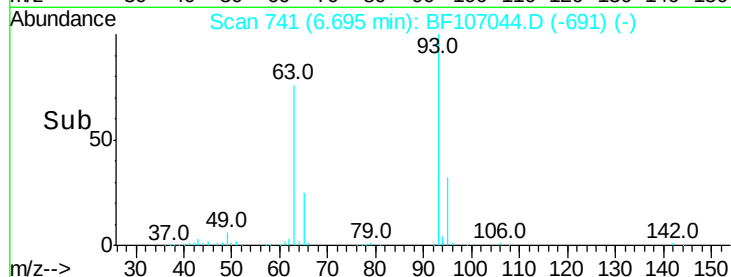
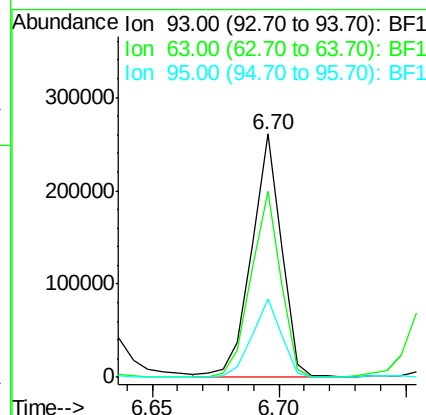
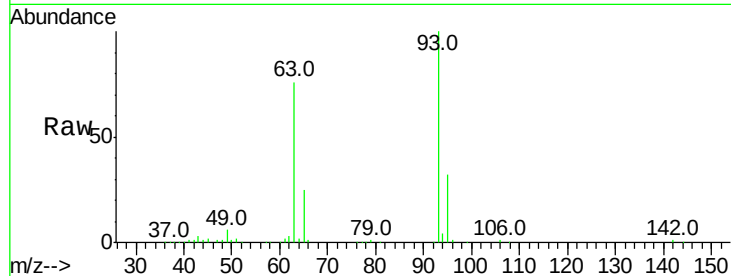
#11  
bis(2-Chloroethyl)ether  
Concen: 40.160 ng  
RT: 6.70 min Scan# 741  
Delta R.T. -0.01 min  
Lab File: BF107044.D  
Acq: 2 Jul 2018 15:09

Instrument :  
BNA\_F  
ClientSampleId :  
JCSA-302MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 76.5  | 58.6  | 98.6  |
| 95      | 32.3  | 11.8  | 51.8  |

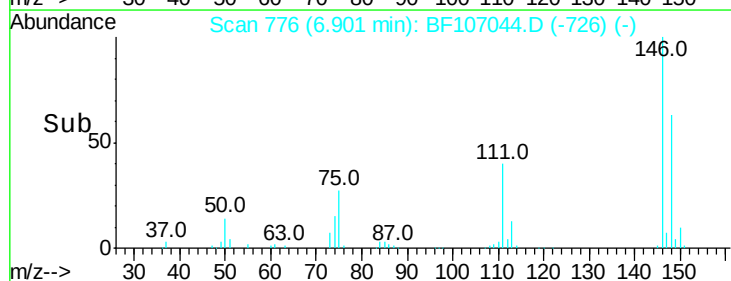
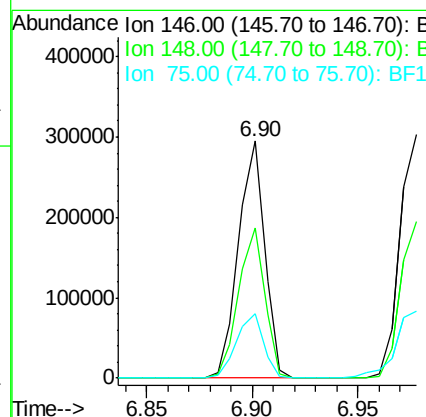
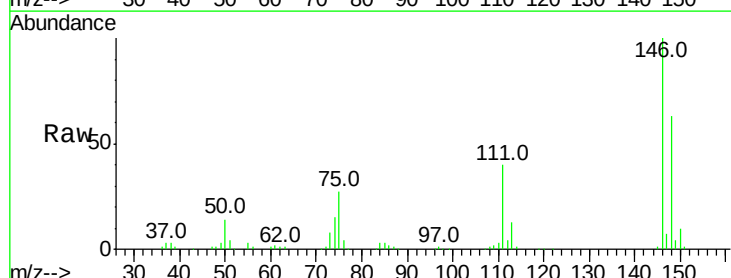
Manual Integrations  
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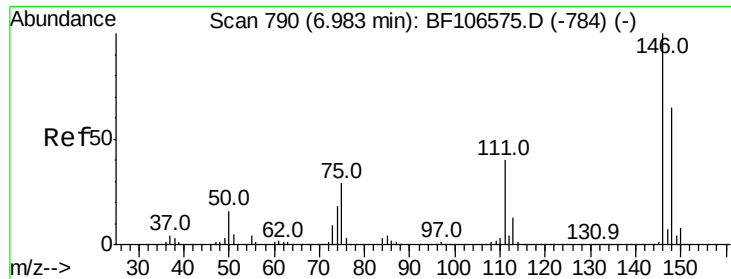
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#12  
1,3-Dichlorobenzene  
Concen: 43.678 ng  
RT: 6.90 min Scan# 776  
Delta R.T. -0.01 min  
Lab File: BF107044.D  
Acq: 2 Jul 2018 15:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.2  | 51.8  | 77.8  |
| 75      | 27.3  | 24.2  | 36.4  |





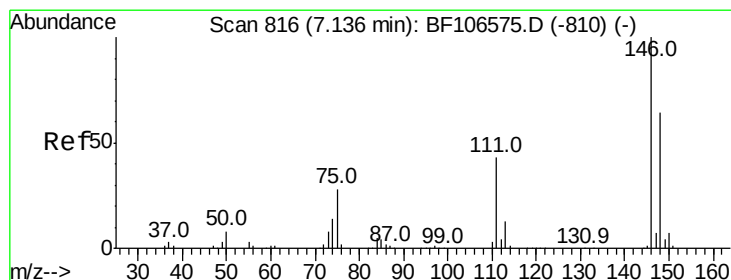
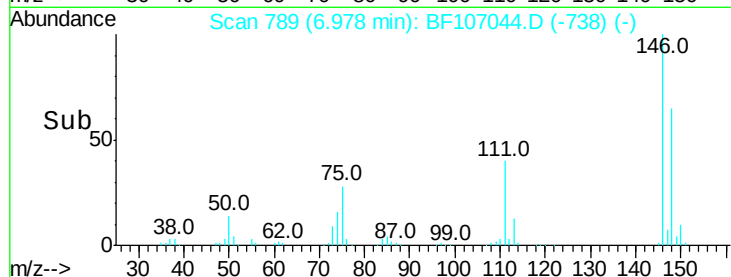
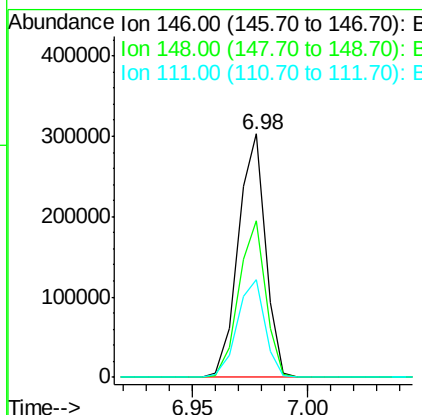
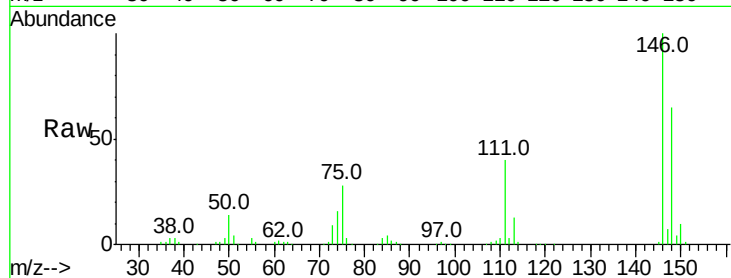
#13  
 1,4-Dichlorobenzene  
 Concen: 42.598 ng  
 RT: 6.98 min Scan# 789  
 Delta R.T. 0.00 min  
 Lab File: BF107044.D  
 Acq: 2 Jul 2018 15:09

Instrument :  
 BNA\_F  
 ClientSampleId :  
 JCSA-302MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.5  | 50.8  | 76.2  |
| 111     | 39.9  | 34.2  | 51.2  |

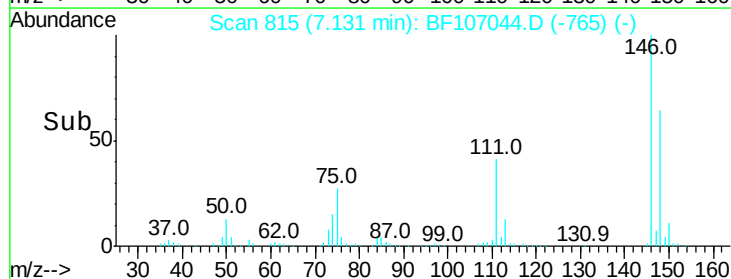
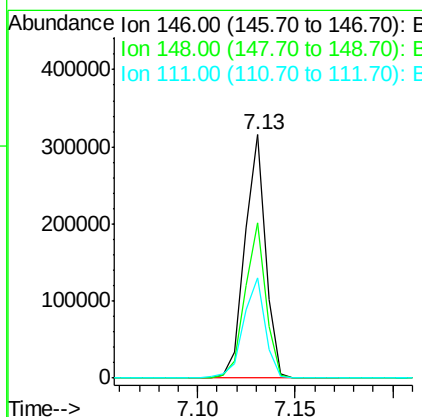
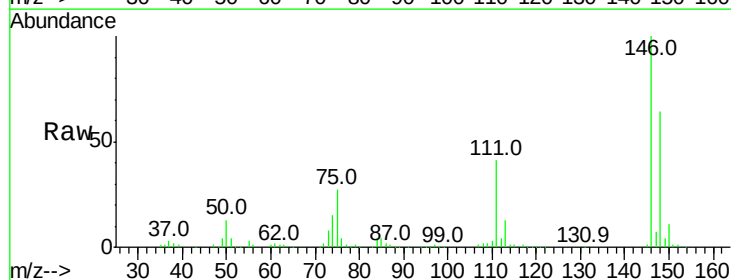
Manual Integrations  
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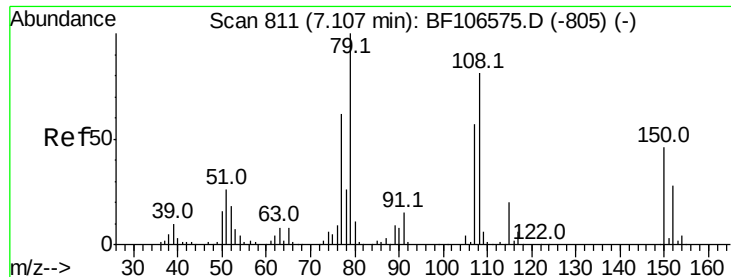
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 7/3/2018 5:29:49 PM



#14  
 1,2-Dichlorobenzene  
 Concen: 43.281 ng  
 RT: 7.13 min Scan# 815  
 Delta R.T. -0.01 min  
 Lab File: BF107044.D  
 Acq: 2 Jul 2018 15:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.0  | 50.6  | 75.8  |
| 111     | 41.2  | 36.0  | 54.0  |





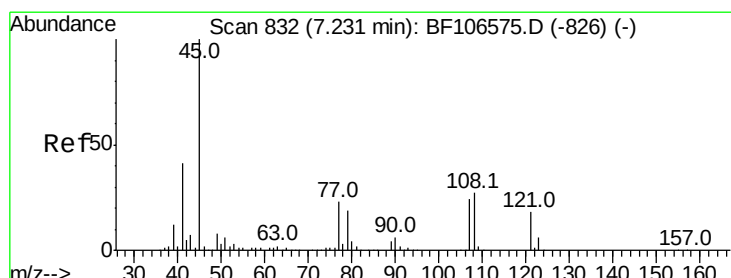
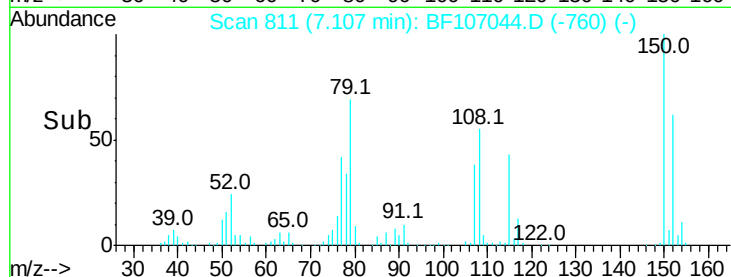
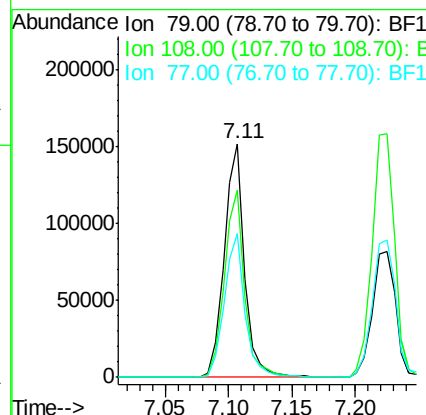
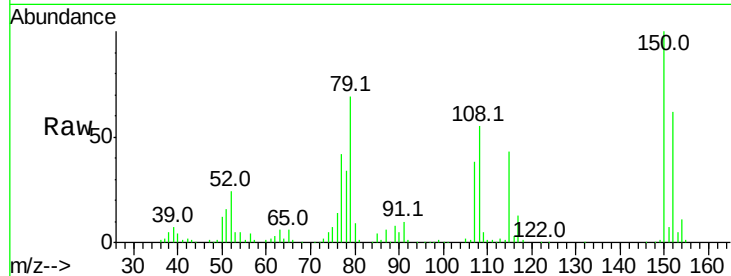
#15  
Benzyl Alcohol  
Concen: 37.498 ng  
RT: 7.11 min Scan# 811  
Delta R.T. 0.00 min  
Lab File: BF107044.D  
Acq: 2 Jul 2018 15:09

Instrument :  
BNA\_F  
ClientSampleId :  
JCSA-302MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 108     | 80.2  | 65.1  | 97.7  |
| 77      | 61.6  | 50.6  | 75.8  |

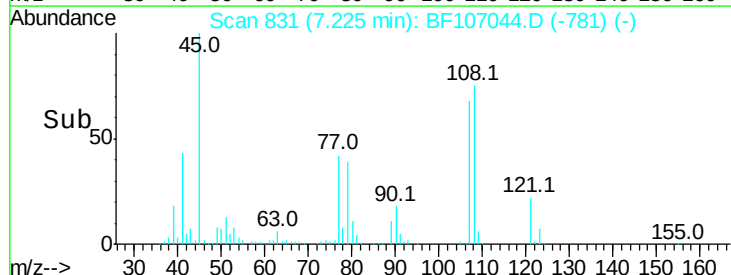
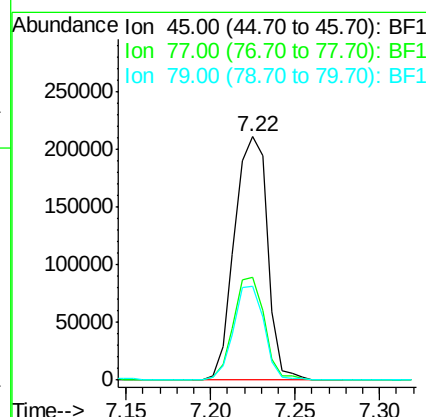
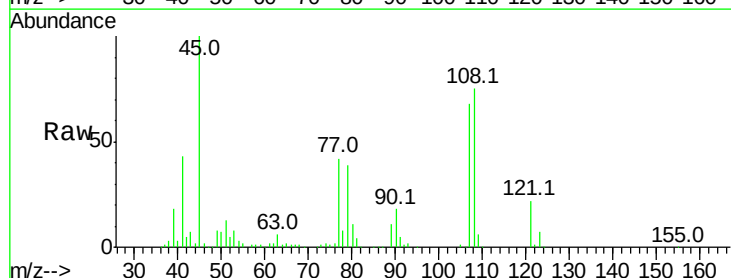
Manual Integrations  
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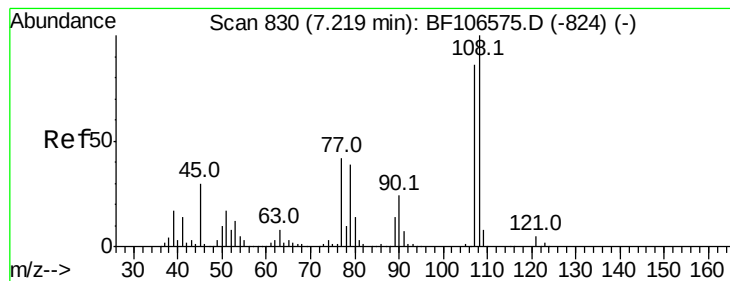
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7/3/2018 5:29:49 PM



#16  
2,2'-oxybis(1-chloropropane)  
Concen: 41.241 ng  
RT: 7.22 min Scan# 831  
Delta R.T. -0.01 min  
Lab File: BF107044.D  
Acq: 2 Jul 2018 15:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 77      | 42.2  | 0.0   | 32.9# |
| 79      | 38.8  | 0.0   | 29.6# |





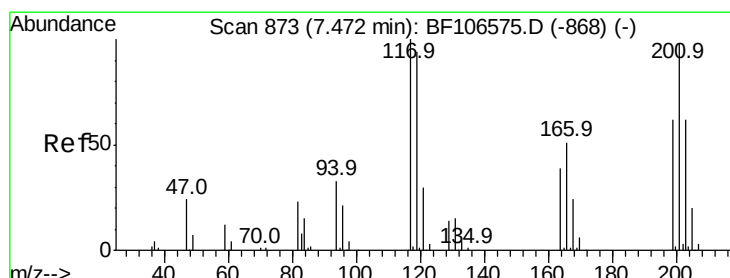
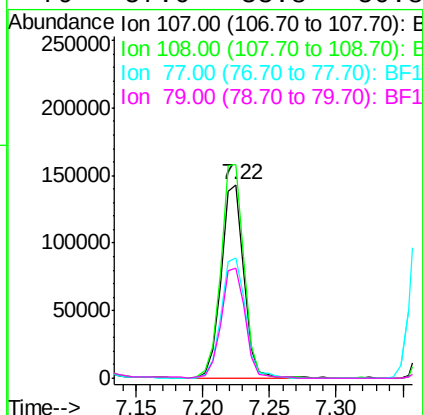
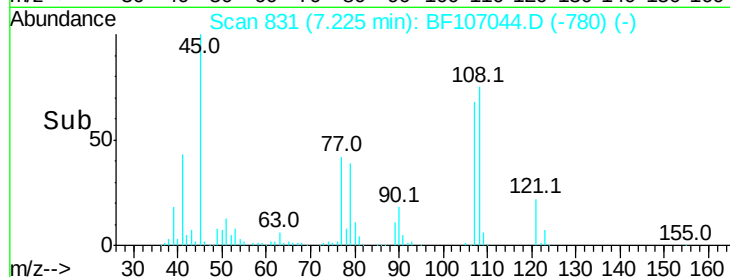
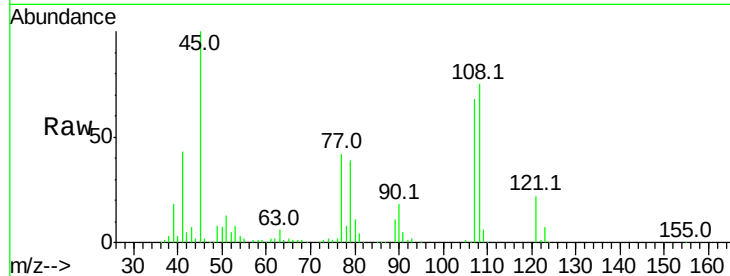
#17  
2-Methylphenol  
Concen: 40.880 ng  
RT: 7.22 min Scan# 831  
Delta R.T. 0.00 min  
Lab File: BF107044.D  
Acq: 2 Jul 2018 15:09

Instrument :  
BNA\_F  
ClientSampleId :  
JCSA-302MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 110.2 | 91.7  | 137.5 |
| 77      | 61.9  | 33.8  | 50.8# |
| 79      | 57.0  | 33.8  | 50.8# |

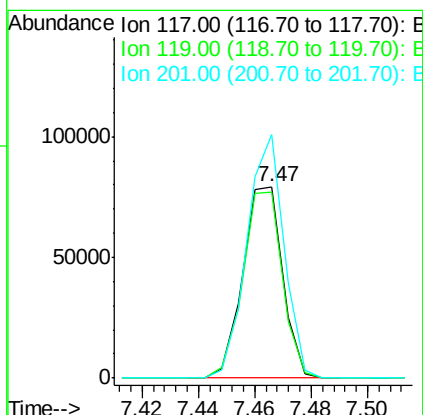
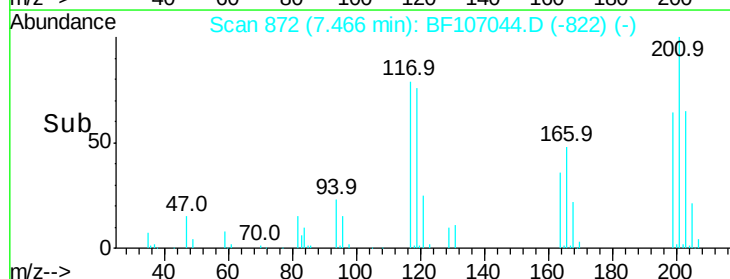
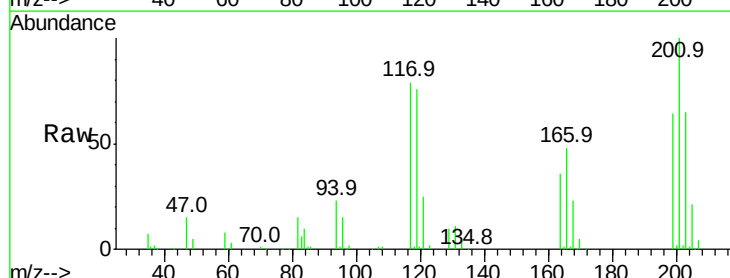
Manual Integrations  
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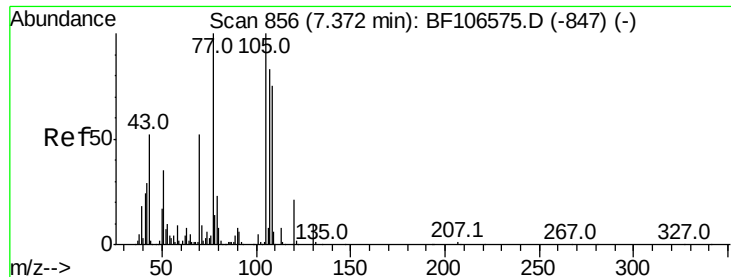
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#18  
Hexachloroethane  
Concen: 37.537 ng  
RT: 7.47 min Scan# 872  
Delta R.T. -0.01 min  
Lab File: BF107044.D  
Acq: 2 Jul 2018 15:09

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 117     | 100   |       |        |
| 119     | 97.2  | 75.8  | 113.8  |
| 201     | 127.2 | 75.7  | 113.5# |





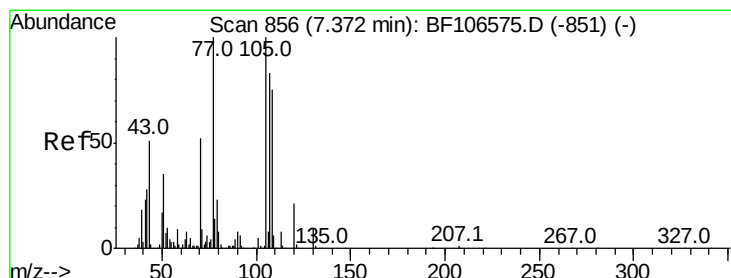
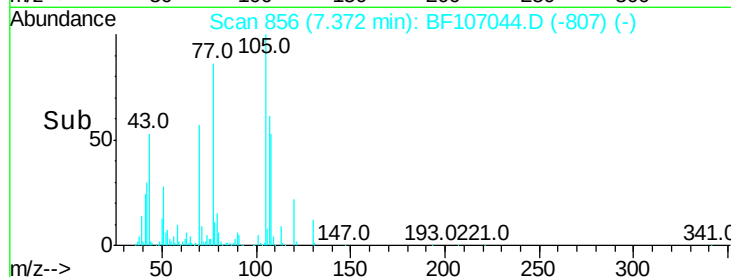
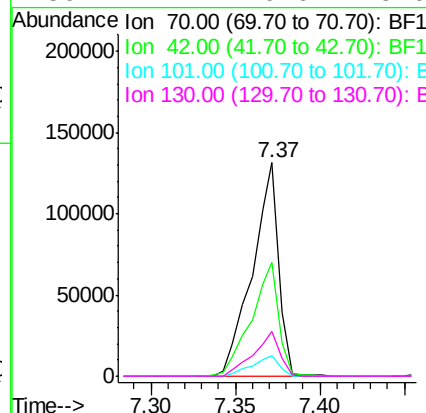
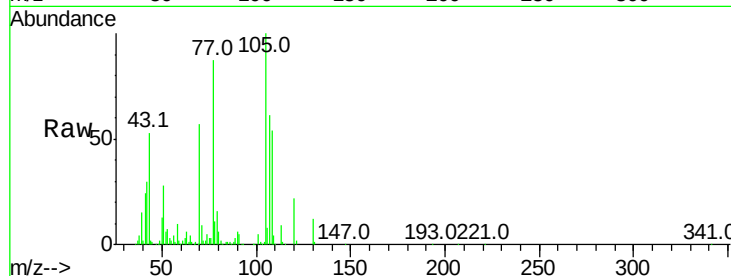
#19  
n-Nitroso-di-n-propylamine  
Concen: 38.550 ng  
RT: 7.37 min Scan# 856  
Delta R.T. -0.01 min  
Lab File: BF107044.D  
Acq: 2 Jul 2018 15:09

Instrument :  
BNA\_F  
ClientSampleId :  
JCSA-302MS

| Tot Ion   | 70    | Resp  | 143100 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 70        | 100   |       |        |
| 42        | 53.3  | 47.5  | 71.3   |
| 101       | 9.5   | 7.4   | 11.2   |
| 130       | 21.1  | 16.6  | 25.0   |

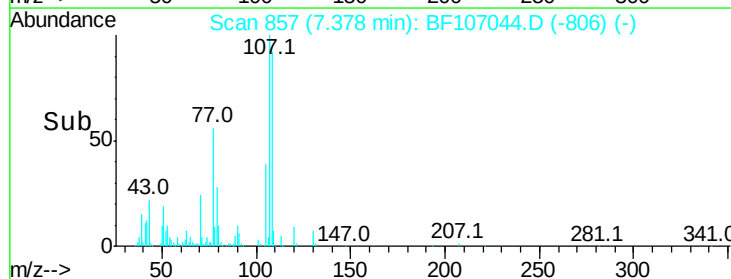
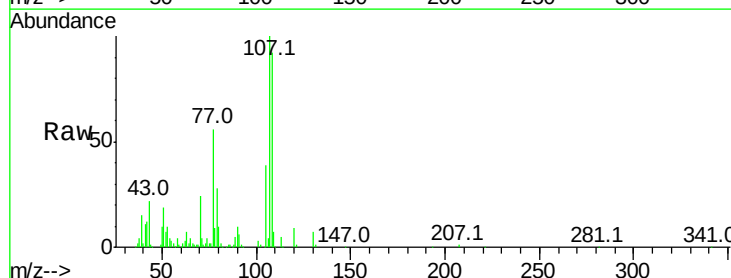
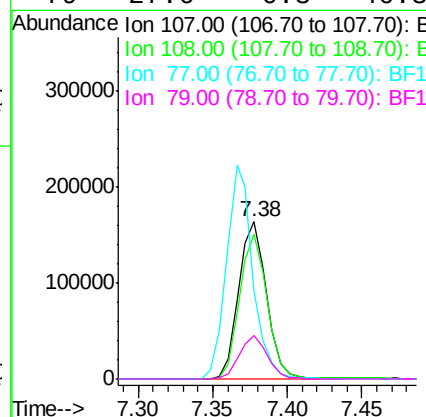
Manual Integrations  
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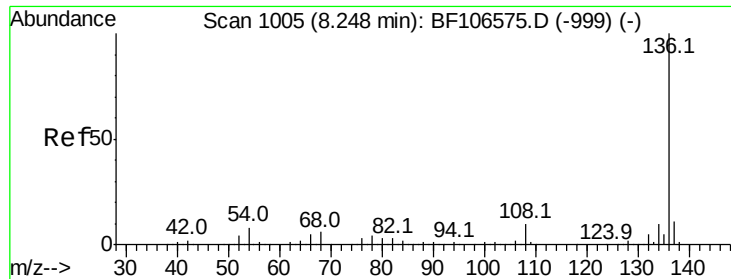
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#20  
3+4-Methylphenols  
Concen: 47.986 ng  
RT: 7.38 min Scan# 857  
Delta R.T. 0.00 min  
Lab File: BF107044.D  
Acq: 2 Jul 2018 15:09

| Tgt Ion   | 107   | Resp  | 215182 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 107       | 100   |       |        |
| 108       | 92.2  | 68.2  | 108.2  |
| 77        | 56.0  | 26.7  | 66.7   |
| 79        | 27.6  | 6.3   | 46.3   |





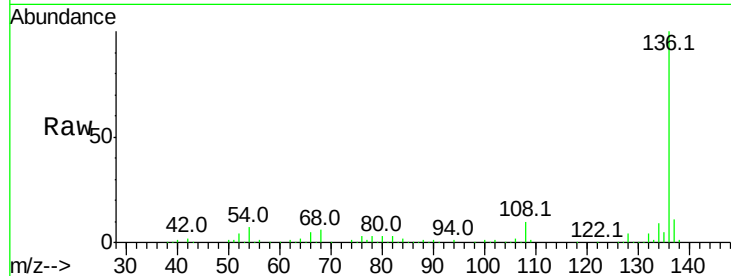
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.24 min Scan# 1004  
Delta R.T. -0.01 min  
Lab File: BF107044.D  
Acq: 2 Jul 2018 15:09

Instrument :  
BNA\_F  
ClientSampleId :  
JCSA-302MS

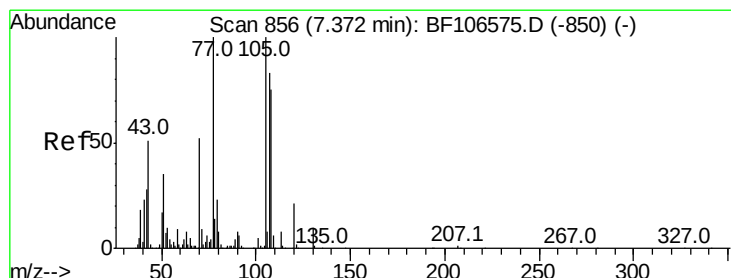
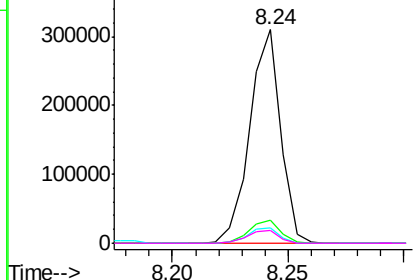
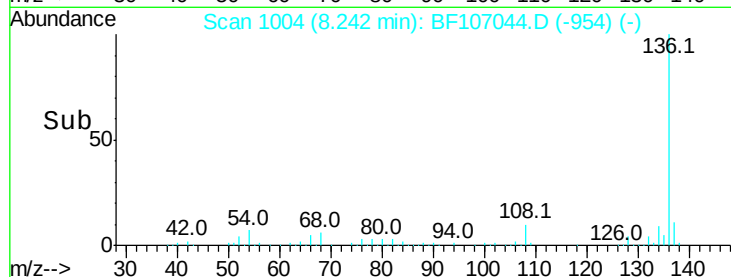
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 136     | 100   | 289447 |       |       |
| 137     | 11.0  | 8.9    | 13.3  |       |
| 54      | 7.2   | 6.6    | 9.8   |       |
| 68      | 5.7   | 5.0    | 7.4   |       |

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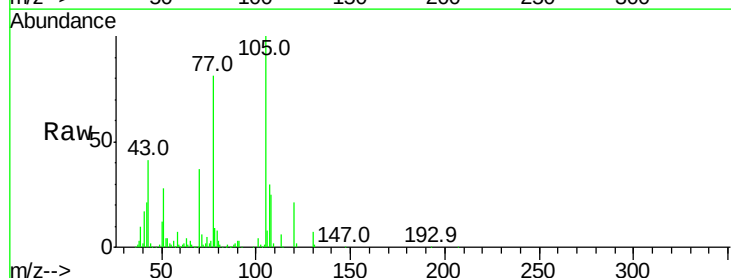


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

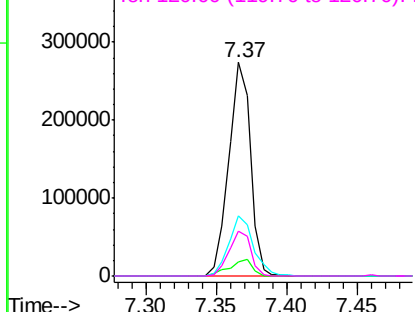
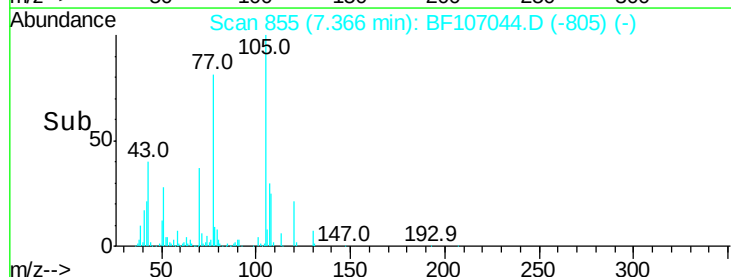


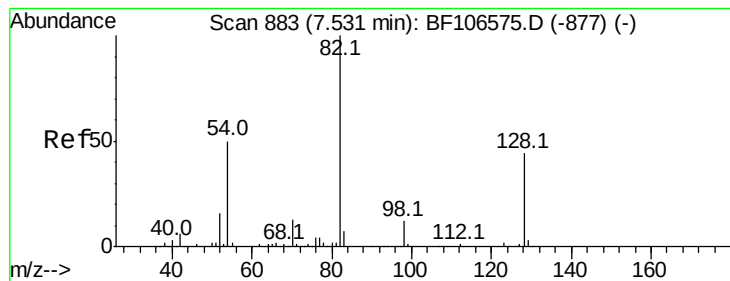
#22  
Acetophenone  
Concen: 45.279 ng  
RT: 7.37 min Scan# 855  
Delta R.T. -0.01 min  
Lab File: BF107044.D  
Acq: 2 Jul 2018 15:09

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 293214 |       |       |
| 71      | 6.5   | 4.4    | 6.6   |       |
| 51      | 28.1  | 22.3   | 33.5  |       |
| 120     | 21.1  | 16.9   | 25.3  |       |



Abundance Ion 105.00 (104.70 to 105.70): E  
Ion 71.00 (70.70 to 71.70): BF1  
Ion 51.00 (50.70 to 51.70): BF1  
Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 86.603 ng

RT: 7.53 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF107044.D

Acq: 2 Jul 2018 15:09

Instrument :

BNA\_F

ClientSampleId :

JCSA-302MS

Tot Ion: 82 Resp: 451058

Ion Ratio Lower Upper

82 100

128 47.2 36.1 54.1

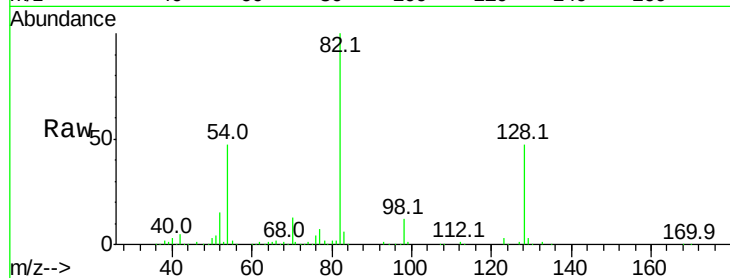
54 47.1 41.4 62.2

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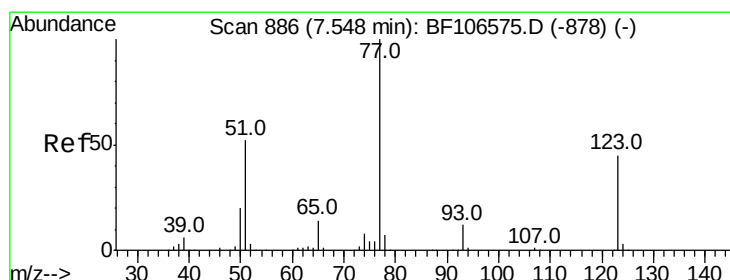
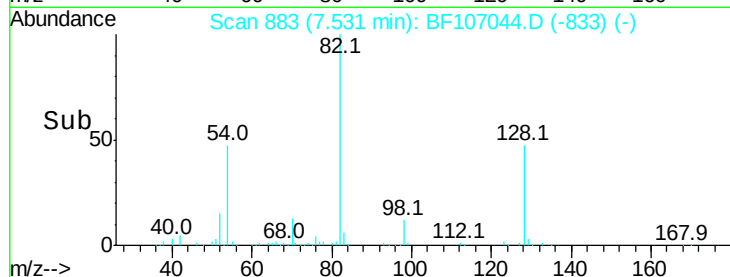
Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

7.53

Time-->



#24

Nitrobenzene

Concen: 42.350 ng

RT: 7.55 min Scan# 886

Delta R.T. -0.01 min

Lab File: BF107044.D

Acq: 2 Jul 2018 15:09

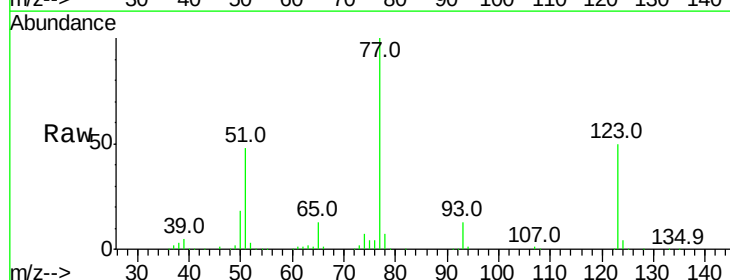
Tgt Ion: 77 Resp: 225199

Ion Ratio Lower Upper

77 100

123 50.2 37.9 56.9

65 13.4 11.0 16.4



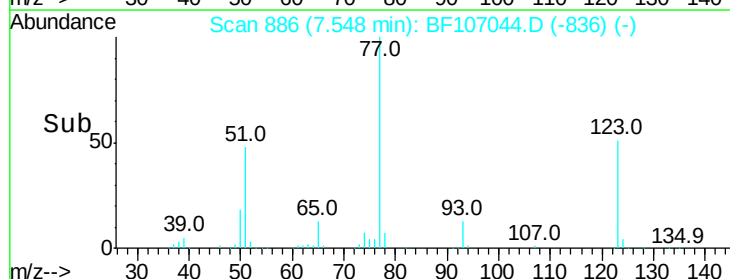
Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 123.00 (122.70 to 123.70): BF1

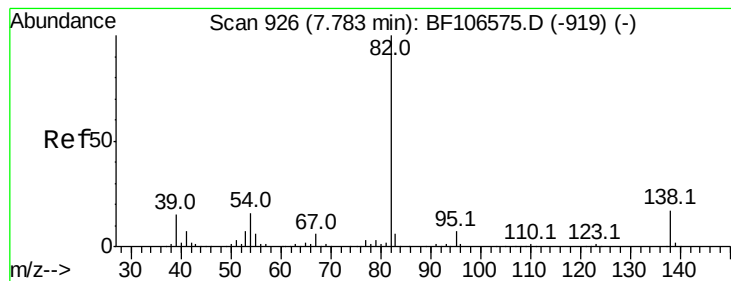
Ion 65.00 (64.70 to 65.70): BF1

7.55

Time-->







#25

Isophorone

Concen: 45.310 ng

RT: 7.78 min Scan# 926

Delta R.T. -0.01 min

Lab File: BF107044.D

Acq: 2 Jul 2018 15:09

Instrument :

BNA\_F

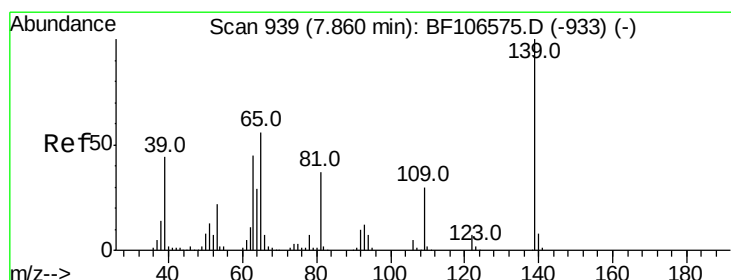
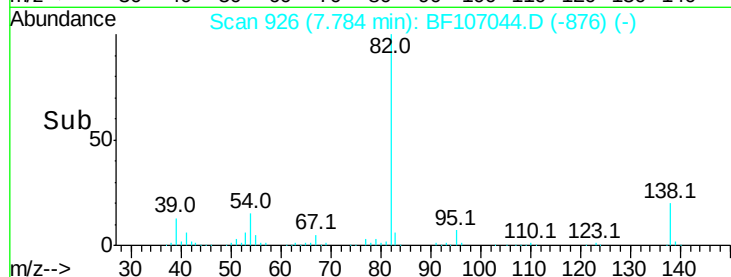
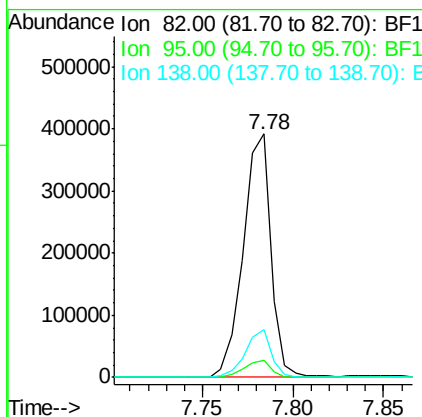
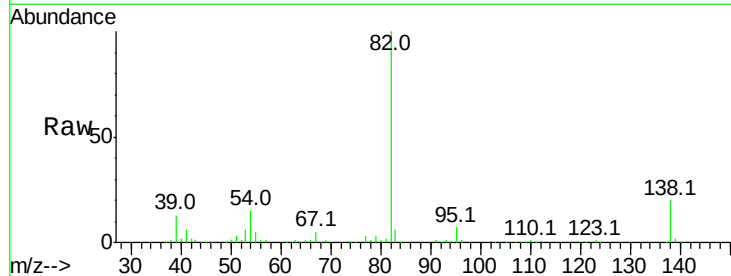
ClientSampleId :

JCSA-302MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 82    | Resp: | 415846 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 6.8   | 5.2   | 7.8    |
| 138       | 19.6  | 14.9  | 22.3   |

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#26

2-Nitrophenol

Concen: 46.298 ng

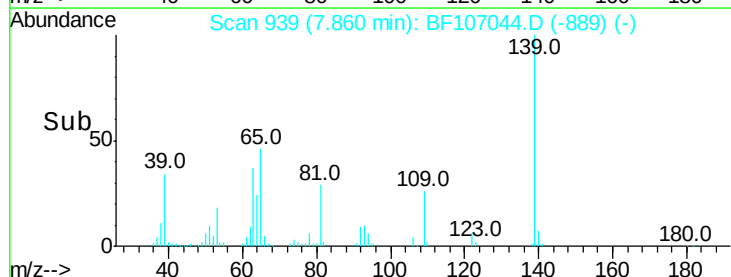
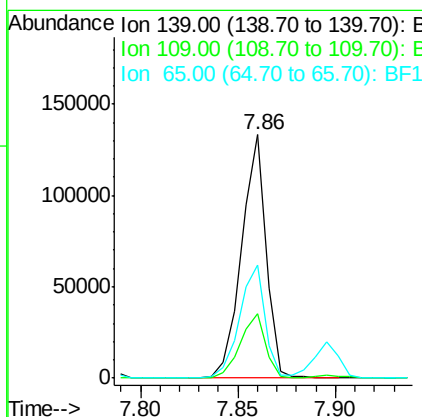
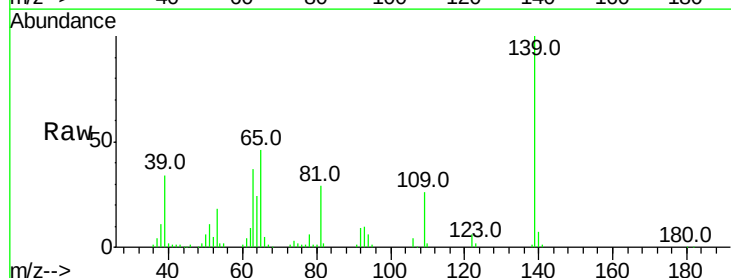
RT: 7.86 min Scan# 939

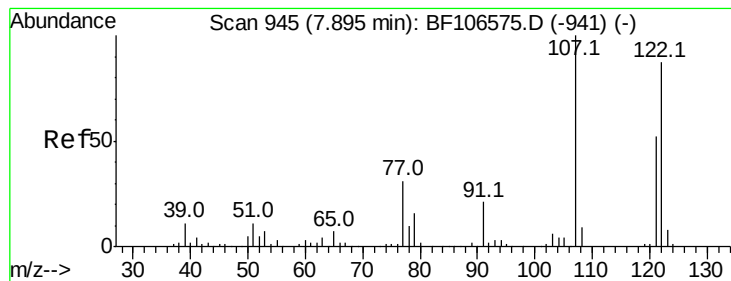
Delta R.T. -0.01 min

Lab File: BF107044.D

Acq: 2 Jul 2018 15:09

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 139   | Resp: | 116218 |
| Ion Ratio | Lower | Upper |        |
| 139       | 100   |       |        |
| 109       | 26.4  | 22.7  | 34.1   |
| 65        | 46.2  | 40.5  | 60.7   |





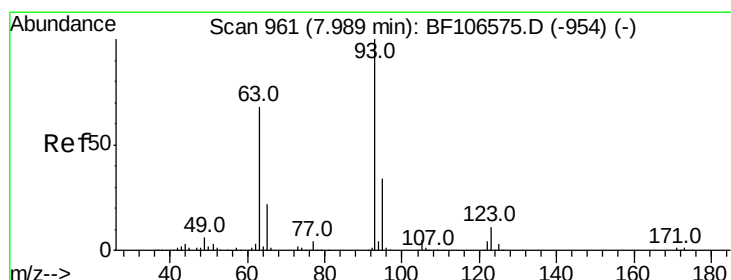
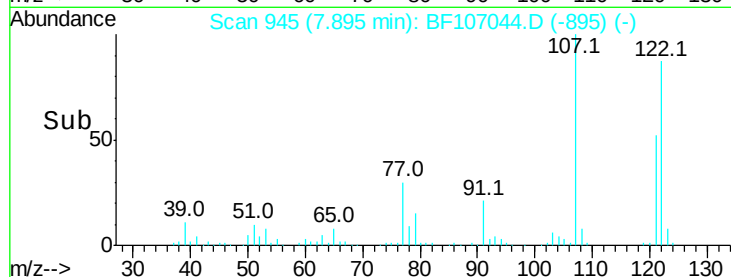
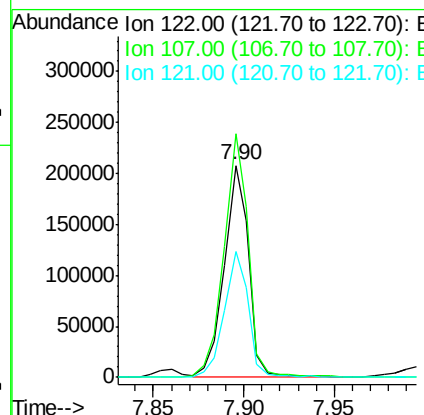
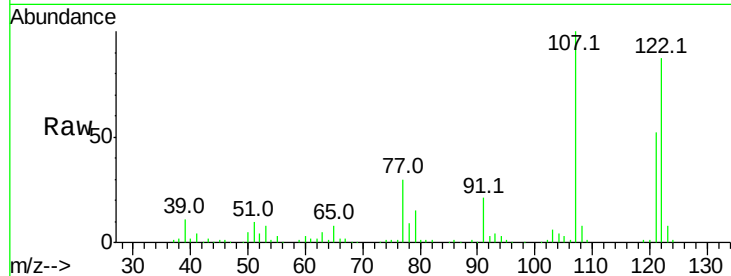
#27  
 2,4-Dimethylphenol  
 Concen: 49.967 ng  
 RT: 7.90 min Scan# 945  
 Delta R.T. -0.01 min  
 Lab File: BF107044.D  
 Acq: 2 Jul 2018 15:09

Instrument :  
 BNA\_F  
 ClientSampleId :  
 JCSA-302MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 122     | 100   | 193868 |       |       |
| 107     | 115.0 | 91.2   | 136.8 |       |
| 121     | 59.4  | 47.2   | 70.8  |       |

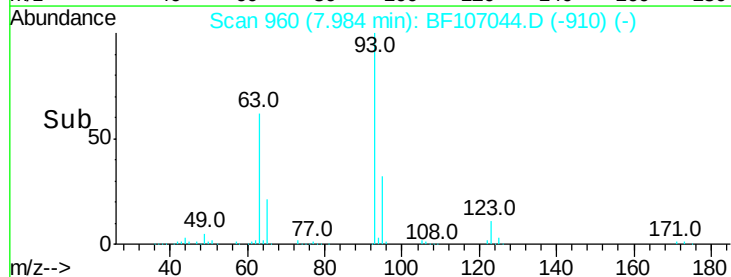
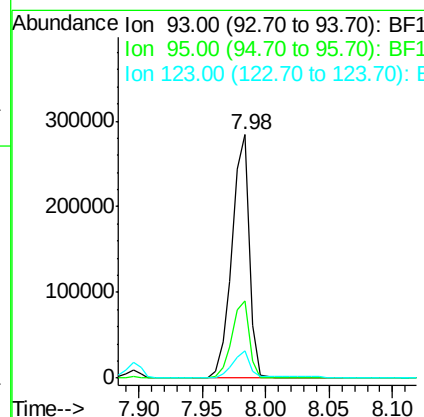
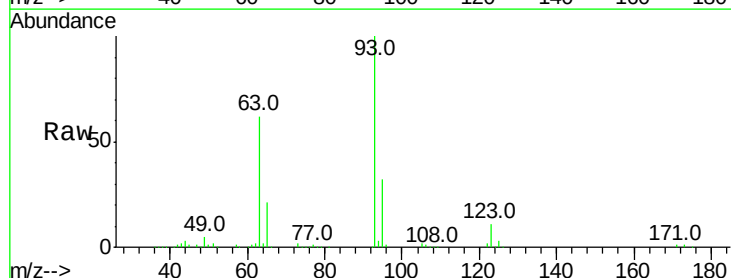
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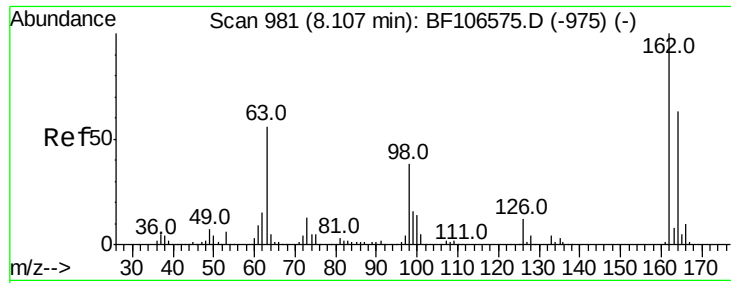
Sohil  
 7/3/2018 5:29:49 PM



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 43.759 ng  
 RT: 7.98 min Scan# 960  
 Delta R.T. -0.01 min  
 Lab File: BF107044.D  
 Acq: 2 Jul 2018 15:09

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 269652 |       |       |
| 95      | 31.7  | 26.3   | 39.5  |       |
| 123     | 11.0  | 9.8    | 14.6  |       |





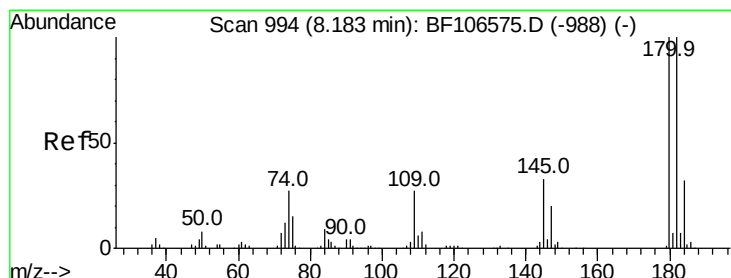
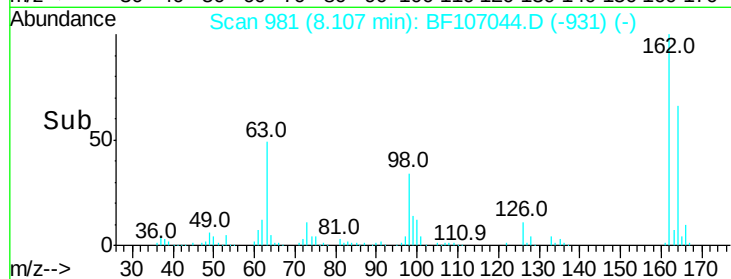
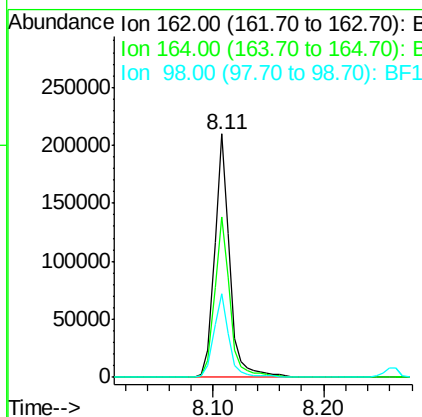
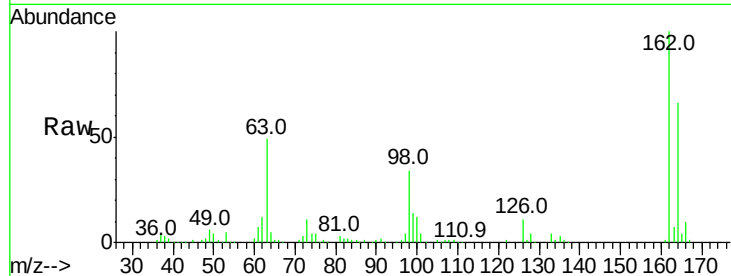
#29  
 2,4-Dichlorophenol  
 Concen: 48.198 ng  
 RT: 8.11 min Scan# 981  
 Delta R.T. -0.01 min  
 Lab File: BF107044.D  
 Acq: 2 Jul 2018 15:09

Instrument :  
 BNA\_F  
 ClientSampleId :  
 JCSA-302MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 162     | 100   | 195783 |       |       |
| 164     | 65.8  | 42.7   | 82.7  |       |
| 98      | 34.4  | 18.1   | 58.1  |       |

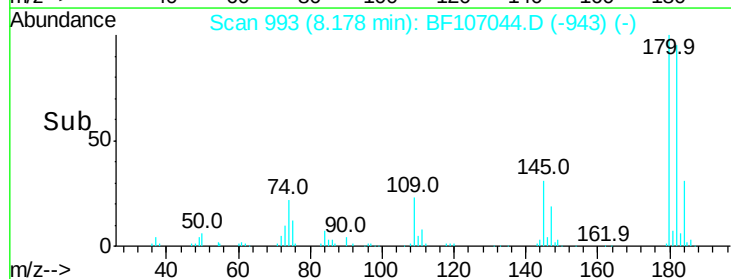
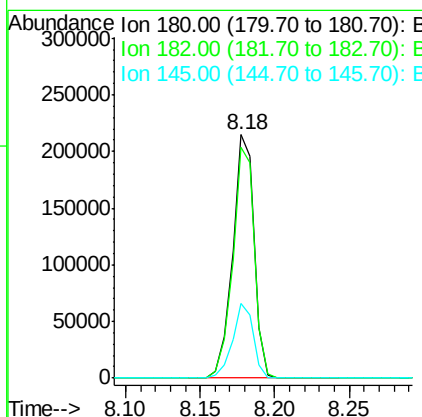
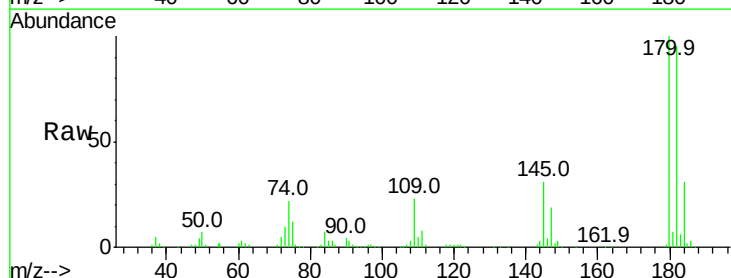
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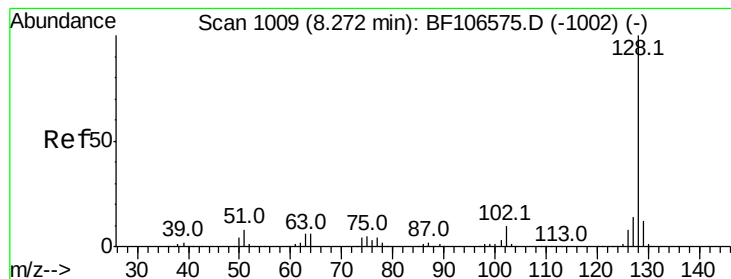
Sohil  
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#30  
 1,2,4-Trichlorobenzene  
 Concen: 48.620 ng  
 RT: 8.18 min Scan# 993  
 Delta R.T. -0.01 min  
 Lab File: BF107044.D  
 Acq: 2 Jul 2018 15:09

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 217568 |       |       |
| 182     | 94.5  | 76.8   | 115.2 |       |
| 145     | 30.8  | 26.5   | 39.7  |       |





#31

Naphthalene

Concen: 45.744 ng

RT: 8.27 min Scan# 1008

Delta R.T. -0.01 min

Lab File: BF107044.D

Acq: 2 Jul 2018 15:09

Instrument :

BNA\_F

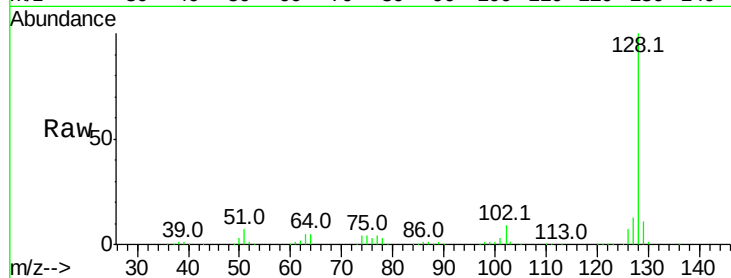
ClientSampleId :

JCSA-302MS

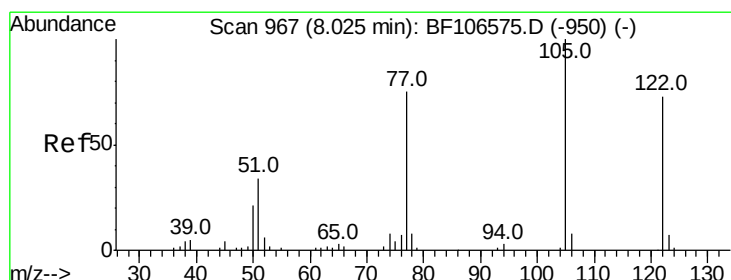
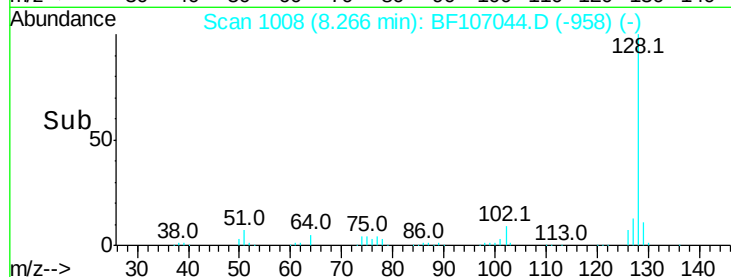
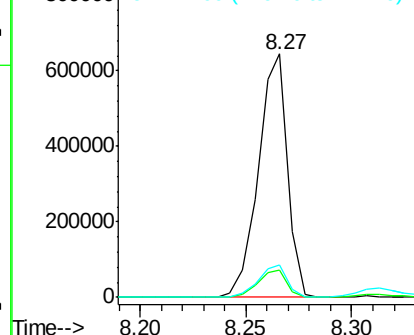
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 619027 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 129       | 11.0  | 8.8   | 13.2   |
| 127       | 13.5  | 10.9  | 16.3   |

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Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 32.576 ng

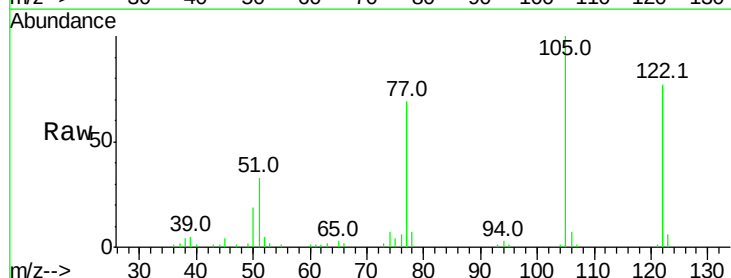
RT: 8.04 min Scan# 970

Delta R.T. 0.00 min

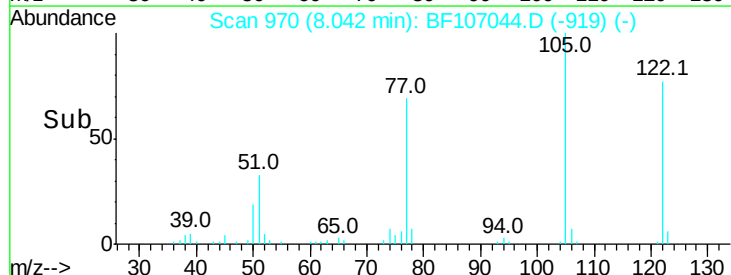
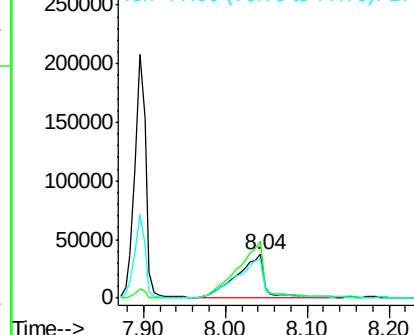
Lab File: BF107044.D

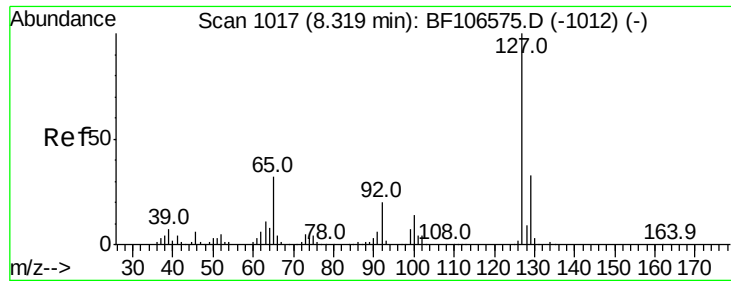
Acq: 2 Jul 2018 15:09

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 122   | Resp: | 86036 |
| Ion Ratio | Lower | Upper |       |
| 122       | 100   |       |       |
| 105       | 129.5 | 101.1 | 141.1 |
| 77        | 89.7  | 70.7  | 110.7 |



Abundance Ion 122.00 (121.70 to 122.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 77.00 (76.70 to 77.70): BF1





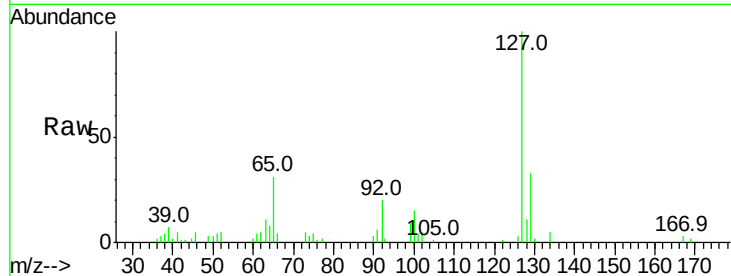
#33  
4-Chloroaniline  
Concen: 7.671 ng  
RT: 8.31 min Scan# 1016  
Delta R.T. -0.01 min  
Lab File: BF107044.D  
Acq: 2 Jul 2018 15:09

Instrument :  
BNA\_F  
ClientSampleId :  
JCSA-302MS

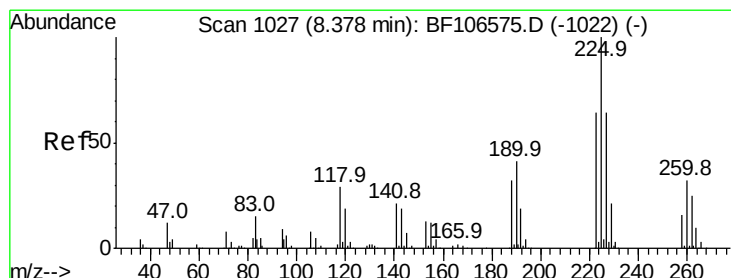
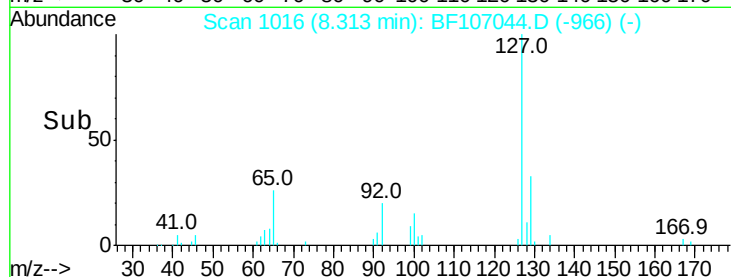
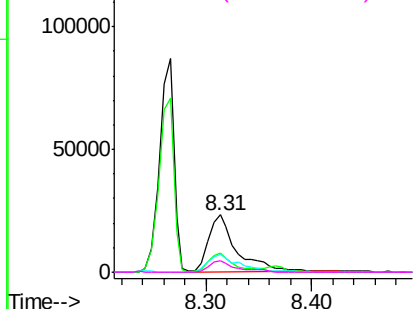
| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 127     | 100  |       |      |       |       |
| 129     | 33.4 | 25.9  | 38.9 |       |       |
| 65      | 30.8 | 25.0  | 37.4 |       |       |
| 92      | 20.1 | 15.2  | 22.8 |       |       |

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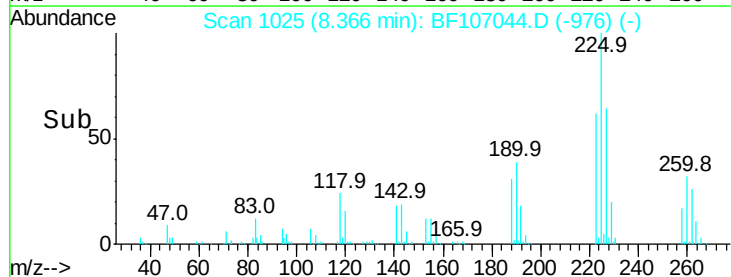
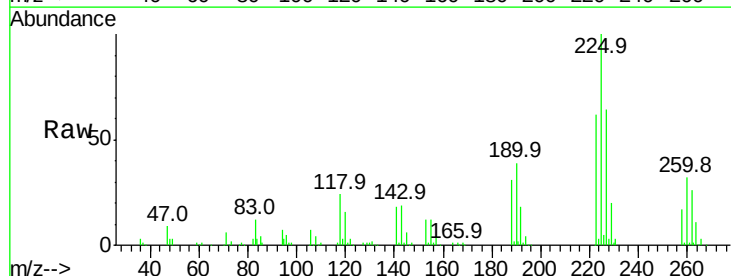
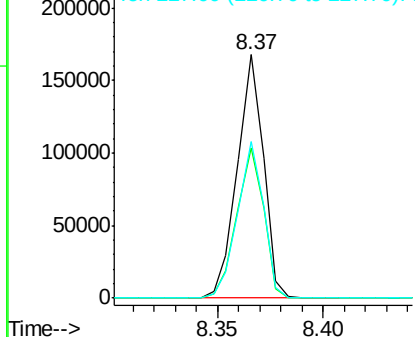
Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 92.00 (91.70 to 92.70): BF1

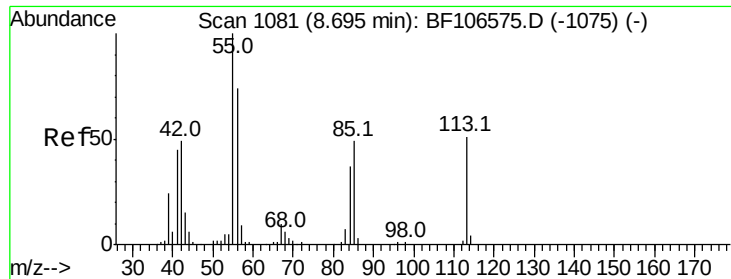


#34  
Hexachlorobutadiene  
Concen: 49.349 ng  
RT: 8.37 min Scan# 1025  
Delta R.T. -0.01 min  
Lab File: BF107044.D  
Acq: 2 Jul 2018 15:09

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 225     | 100  |       |      |       |       |
| 223     | 61.6 | 50.6  | 76.0 |       |       |
| 227     | 64.2 | 51.9  | 77.9 |       |       |

Abundance Ion 225.00 (224.70 to 225.70): E  
Ion 223.00 (222.70 to 223.70): E  
Ion 227.00 (226.70 to 227.70): E





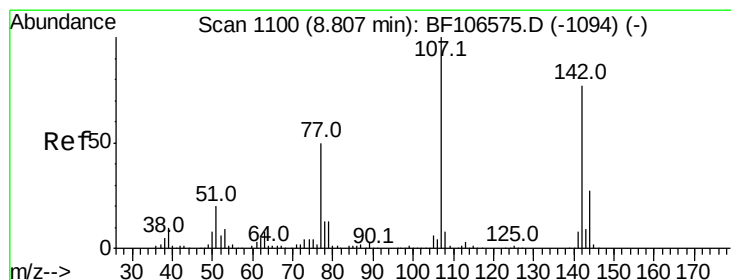
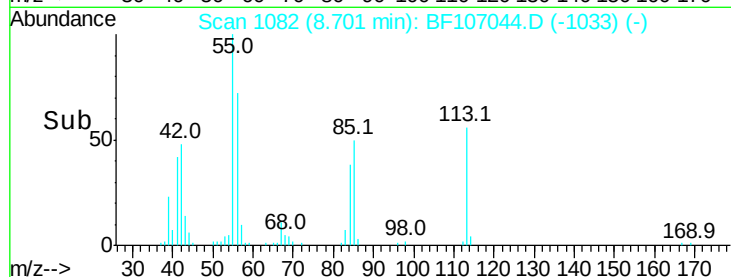
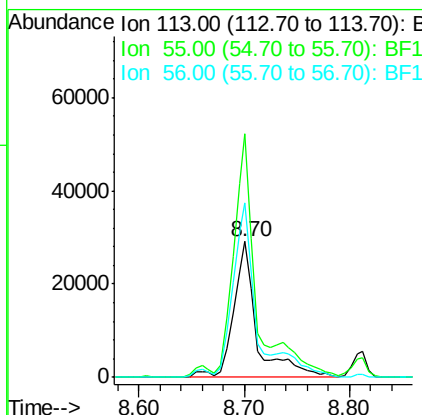
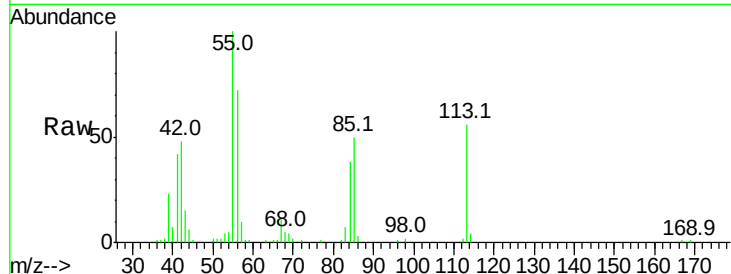
#35  
 Caprolactam  
 Concen: 34.612 ng/ml  
 RT: 8.70 min Scan# 1082  
 Delta R.T. -0.01 min  
 Lab File: BF107044.D  
 Acq: 2 Jul 2018 15:09

Instrument :  
 BNA\_F  
 ClientSampleID :  
 JCSA-302MS

Tot Ion:113 Resp: 45830  
 Ion Ratio Lower Upper  
 113 100  
 55 179.6 163.3 203.3  
 56 128.8 115.7 155.7

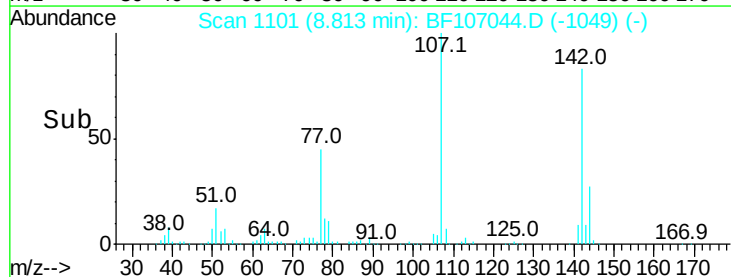
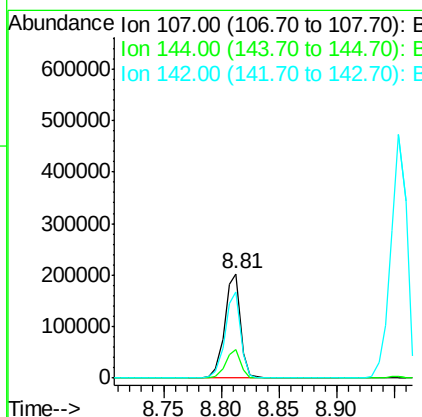
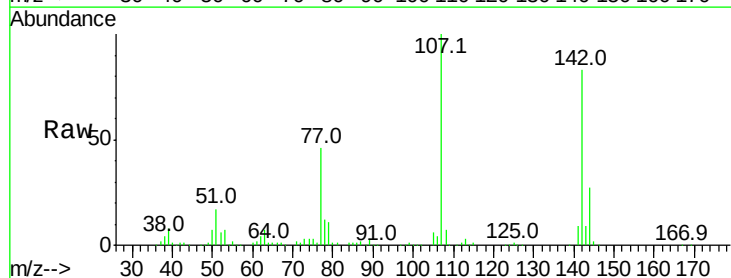
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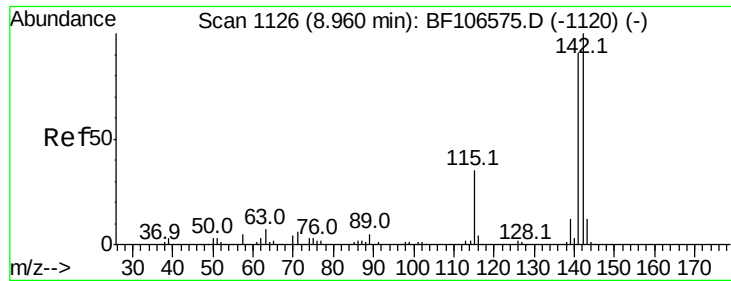
Sohil  
 7/3/2018 5:29:49 PM



#36  
 4-Chloro-3-methylphenol  
 Concen: 45.152 ng/ml  
 RT: 8.81 min Scan# 1101  
 Delta R.T. 0.01 min  
 Lab File: BF107044.D  
 Acq: 2 Jul 2018 15:09

Tgt Ion:107 Resp: 193052  
 Ion Ratio Lower Upper  
 107 100  
 144 27.1 20.5 30.7  
 142 82.6 62.0 93.0





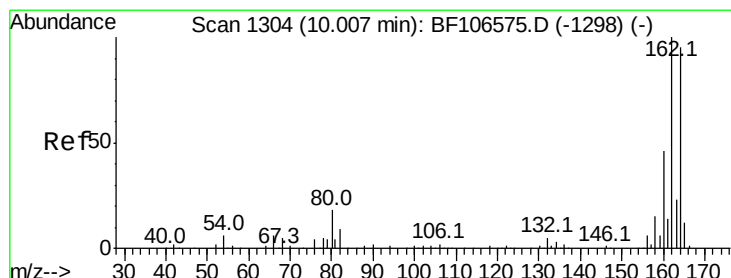
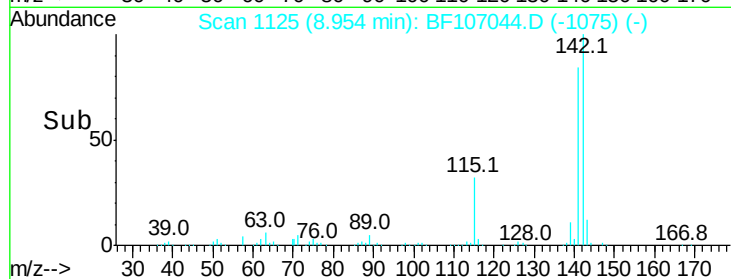
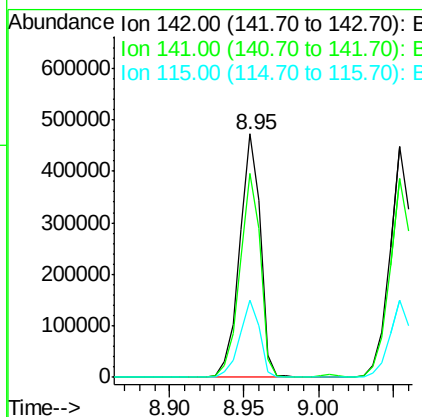
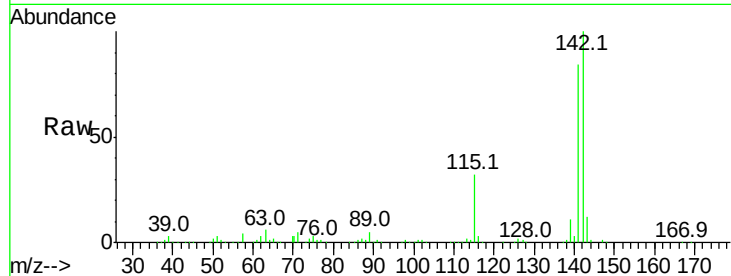
#37  
2-Methylnaphthalene  
Concen: 50.920 ng  
RT: 8.95 min Scan# 1125  
Delta R.T. -0.01 min  
Lab File: BF107044.D  
Acq: 2 Jul 2018 15:09

Instrument :  
BNA\_F  
ClientSampleId :  
JCSA-302MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 83.7  | 70.8  | 106.2 |
| 115     | 31.6  | 26.1  | 39.1  |

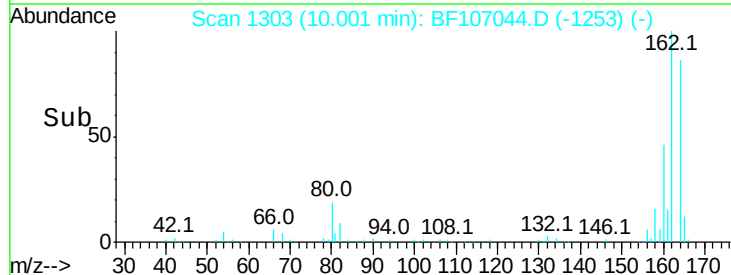
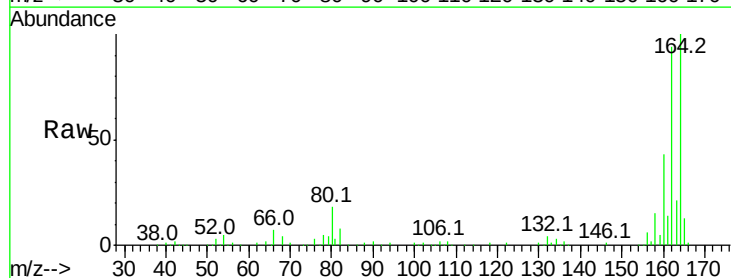
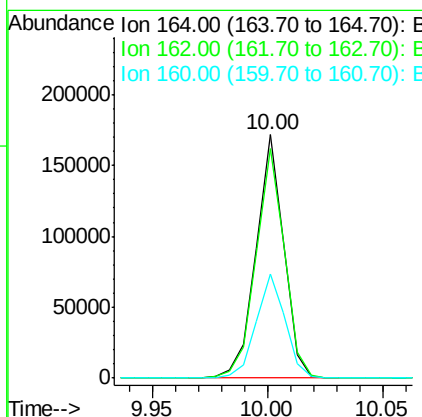
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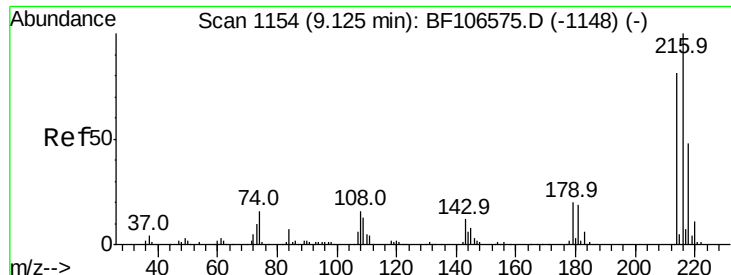
Sohil  
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#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.00 min Scan# 1303  
Delta R.T. -0.01 min  
Lab File: BF107044.D  
Acq: 2 Jul 2018 15:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 94.4  | 86.1  | 129.1 |
| 160     | 42.6  | 38.3  | 57.5  |





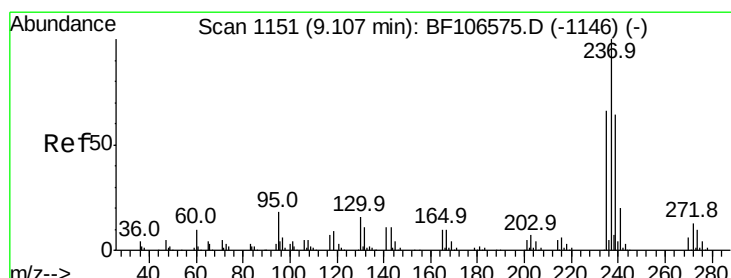
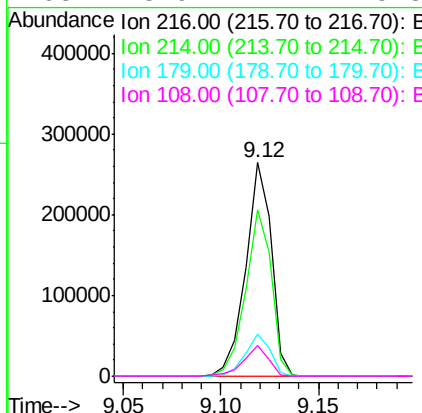
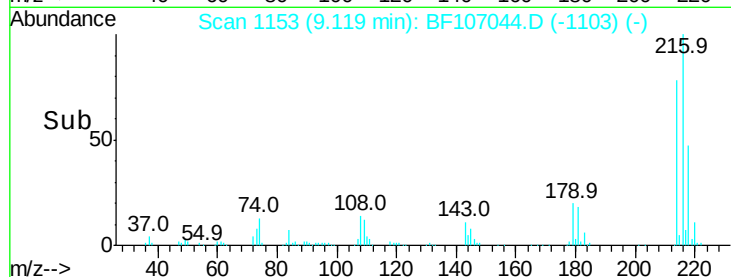
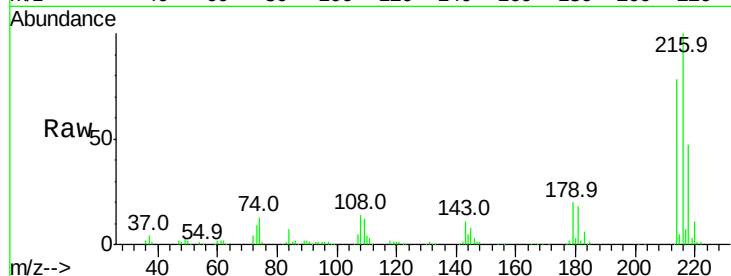
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 49.746 ng  
 RT: 9.12 min Scan# 1153  
 Delta R.T. -0.01 min  
 Lab File: BF107044.D  
 Acq: 2 Jul 2018 15:09

Instrument :  
 BNA\_F  
 ClientSampleId :  
 JCSA-302MS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 216     | 100   |            |       |
| 214     | 78.2  | 63.0       | 94.4  |
| 179     | 19.4  | 18.1       | 27.1  |
| 108     | 13.9  | 17.2       | 25.8  |

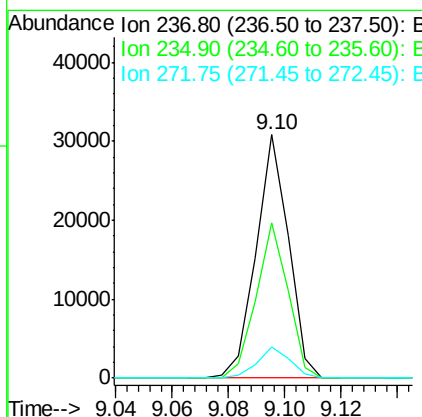
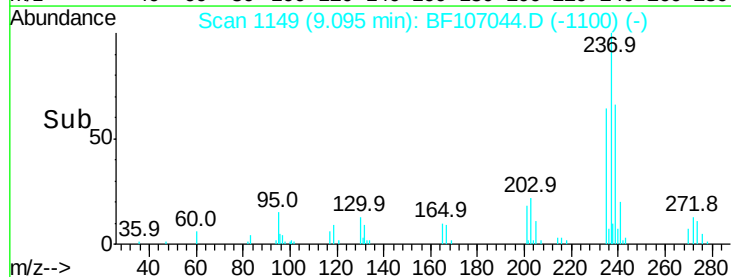
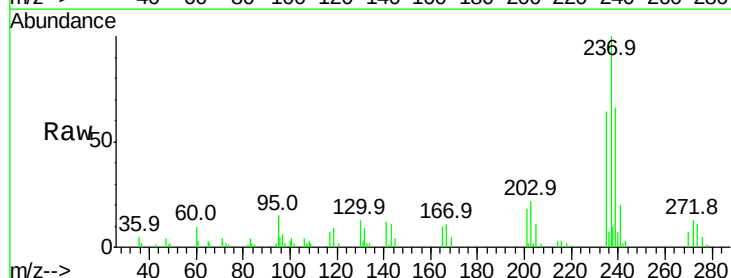
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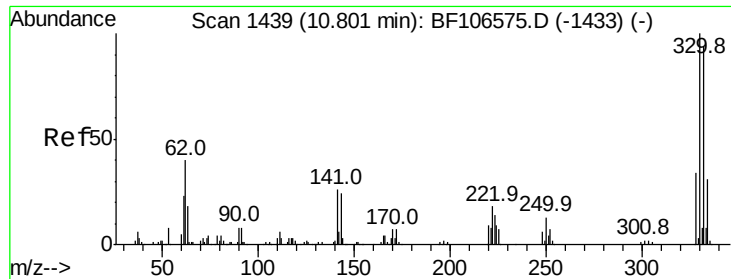


#40  
 Hexachlorocyclopentadiene  
 Concen: 9.856 ng  
 RT: 9.10 min Scan# 1149  
 Delta R.T. -0.01 min  
 Lab File: BF107044.D  
 Acq: 2 Jul 2018 15:09

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 237     | 100   |            |       |
| 235     | 63.7  | 44.8       | 84.8  |
| 272     | 12.8  | 0.0        | 33.3  |







#41

2,4,6-Tribromophenol

Concen: 135.304 ng

RT: 10.80 min Scan# 1439

Delta R.T. 0.00 min

Lab File: BF107044.D

Acq: 2 Jul 2018 15:09

Instrument :

BNA\_F

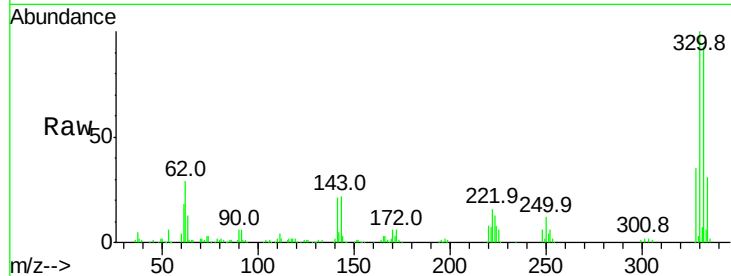
ClientSampleId :

JCSA-302MS

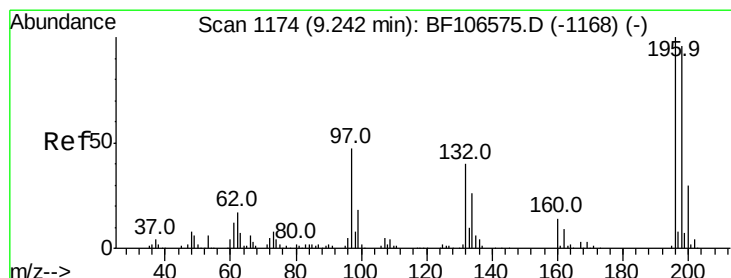
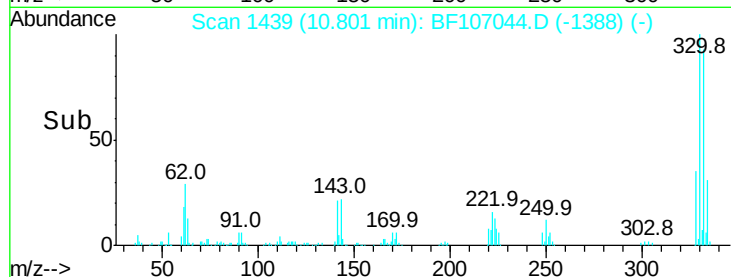
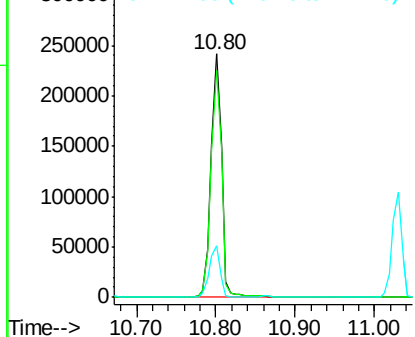
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 330   | Resp: | 226034 |
| Ion Ratio | Lower | Upper |        |
| 330       | 100   |       |        |
| 332       | 94.6  | 77.0  | 115.6  |
| 141       | 21.5  | 29.9  | 44.9#  |

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



#42

2,4,6-Trichlorophenol

Concen: 42.474 ng

RT: 9.24 min Scan# 1174

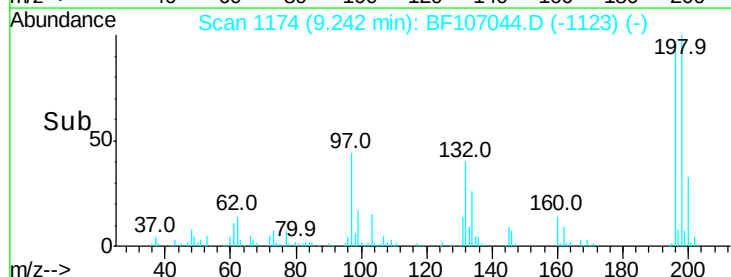
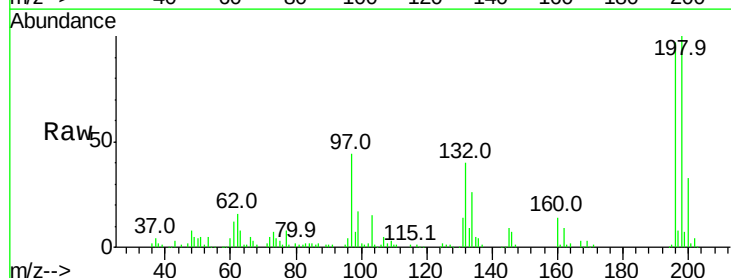
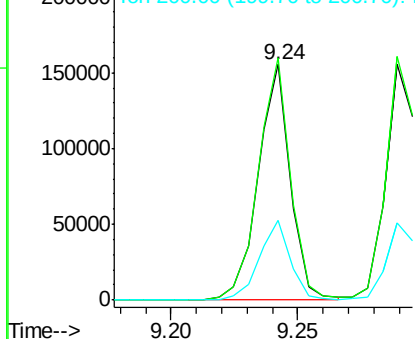
Delta R.T. 0.00 min

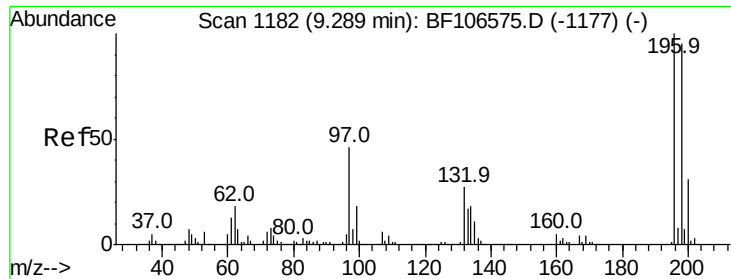
Lab File: BF107044.D

Acq: 2 Jul 2018 15:09

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 196   | Resp: | 137043 |
| Ion Ratio | Lower | Upper |        |
| 196       | 100   |       |        |
| 198       | 103.1 | 75.7  | 113.5  |
| 200       | 34.1  | 24.5  | 36.7   |

Abundance Ion 196.00 (195.70 to 196.70): E  
Ion 198.00 (197.70 to 198.70): E  
Ion 200.00 (199.70 to 200.70): E





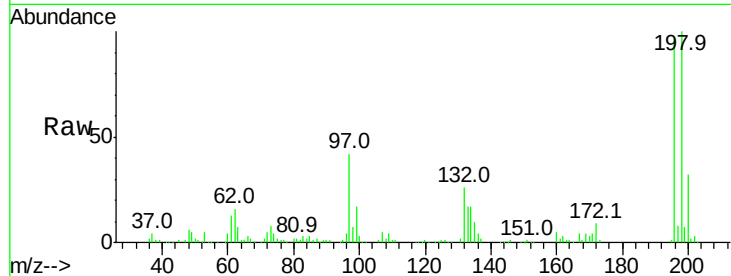
#43  
 2,4,5-Trichlorophenol  
 Concen: 42.696 ng  
 RT: 9.29 min Scan# 1182  
 Delta R.T. 0.00 min  
 Lab File: BF107044.D  
 Acq: 2 Jul 2018 15:09

Instrument :  
 BNA\_F  
 ClientSampleId :  
 JCSA-302MS

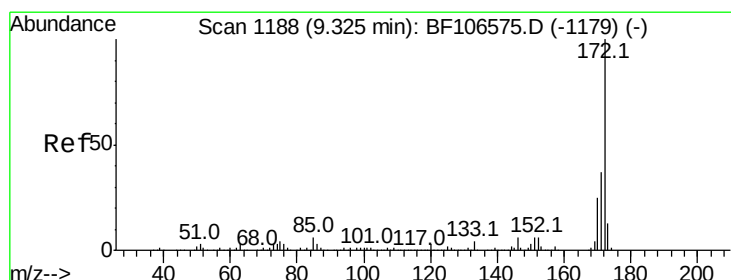
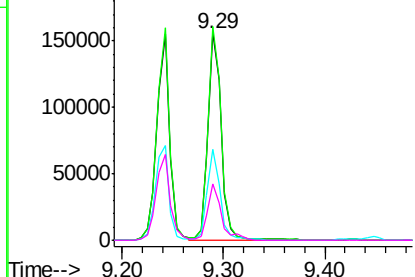
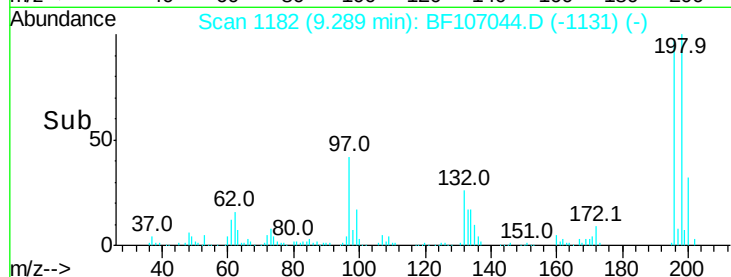
| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 196     | 100   |      |       |       |
| 198     | 103.2 | 74.6 | 112.0 |       |
| 97      | 43.6  | 42.9 | 64.3  |       |
| 132     | 27.1  | 26.3 | 39.5  |       |

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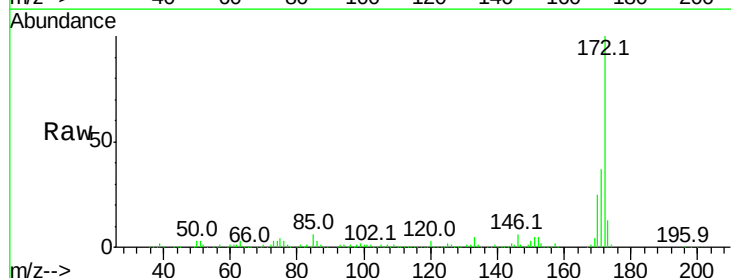


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BF1  
 Ion 132.00 (131.70 to 132.70): E

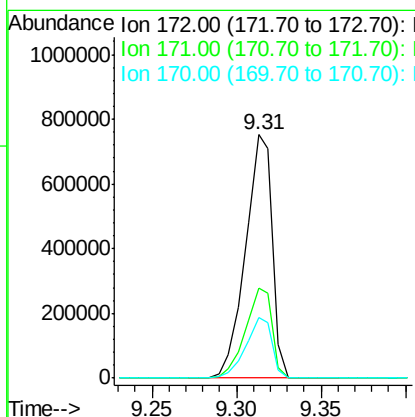
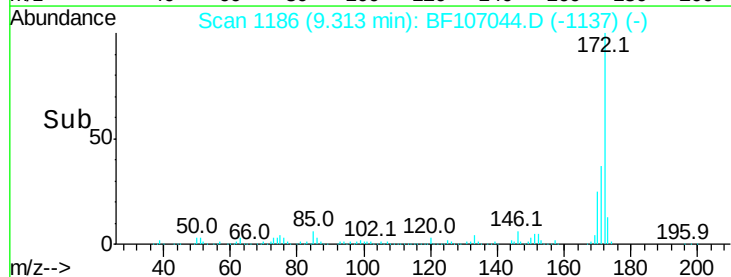


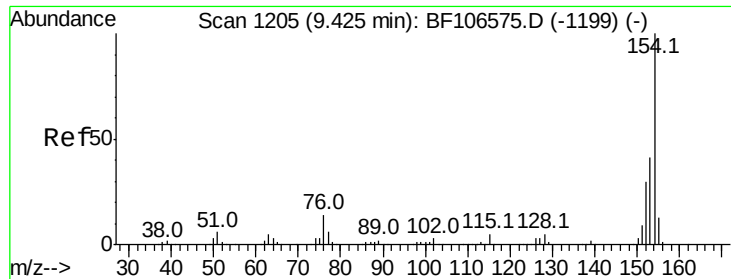
#44  
 2-Fluorobiphenyl  
 Concen: 100.470 ng  
 RT: 9.31 min Scan# 1186  
 Delta R.T. -0.01 min  
 Lab File: BF107044.D  
 Acq: 2 Jul 2018 15:09

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 172     | 100   |      |       |       |
| 171     | 36.9  | 29.7 | 44.5  |       |
| 170     | 24.8  | 19.6 | 29.4  |       |



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





#45

1,1'-Biphenyl

Concen: 46.423 ng

RT: 9.42 min Scan# 1204

Delta R.T. -0.01 min

Lab File: BF107044.D

Acq: 2 Jul 2018 15:09

Instrument :

BNA\_F

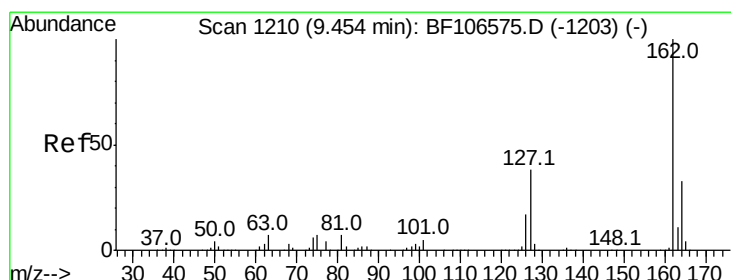
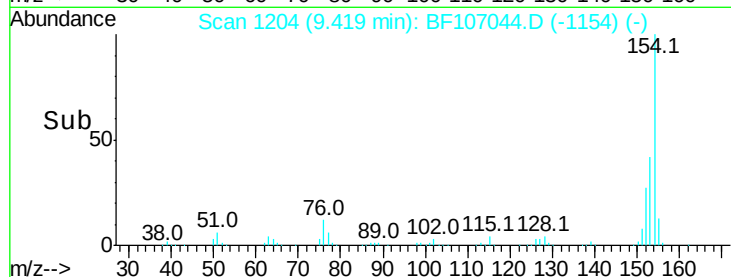
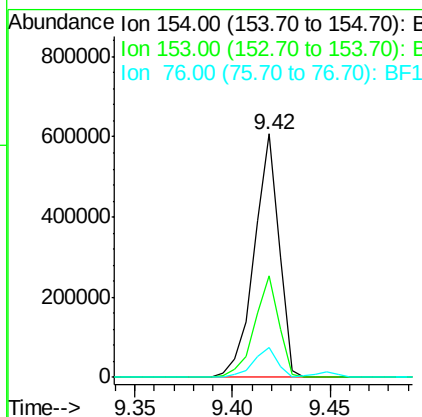
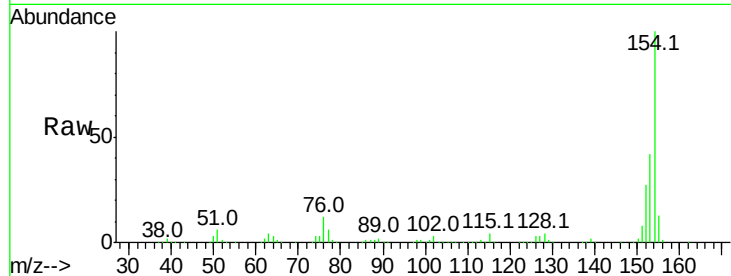
ClientSampleId :

JCSA-302MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 154   | Resp: | 533255 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 41.7  | 21.3  | 61.3   |
| 76        | 12.1  | 0.0   | 34.0   |

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#46

2-Chloronaphthalene

Concen: 43.779 ng

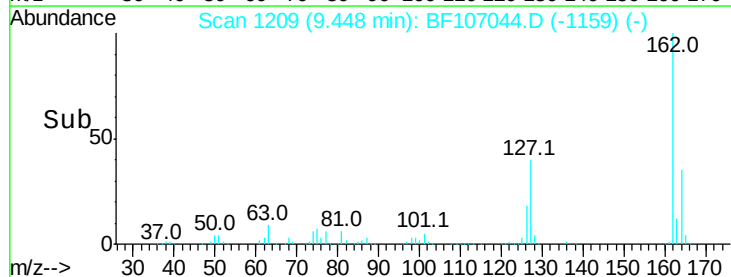
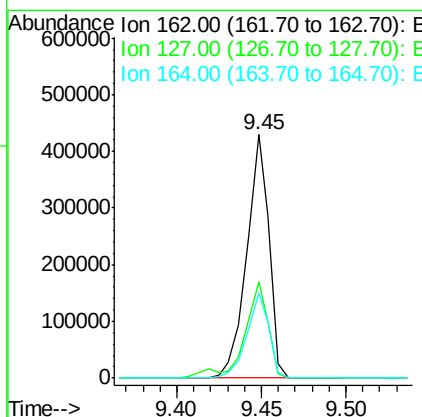
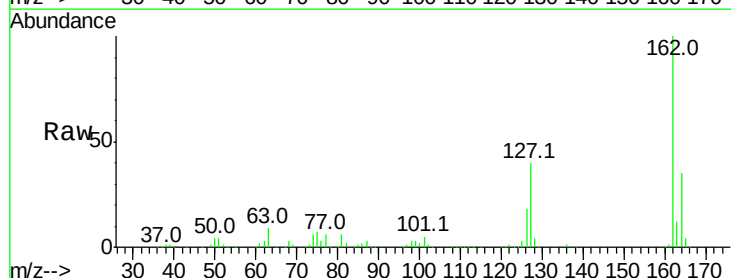
RT: 9.45 min Scan# 1209

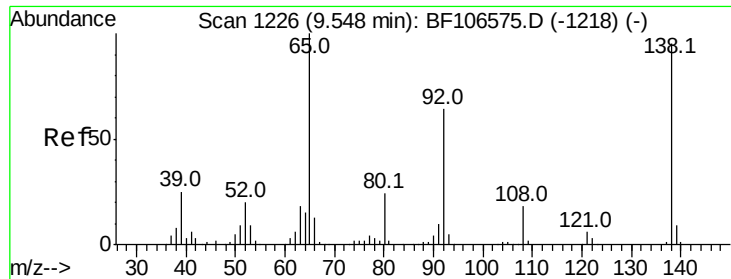
Delta R.T. -0.01 min

Lab File: BF107044.D

Acq: 2 Jul 2018 15:09

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 162   | Resp: | 395839 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 127       | 39.7  | 33.9  | 50.9   |
| 164       | 35.1  | 26.5  | 39.7   |





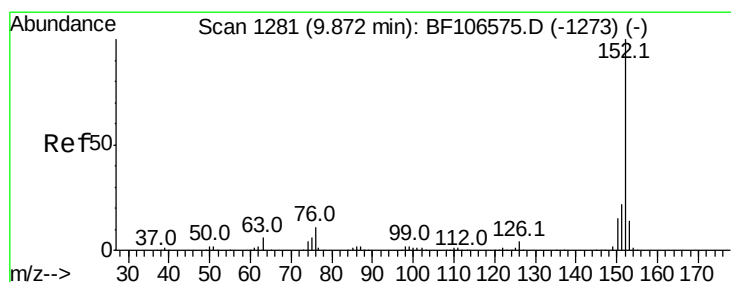
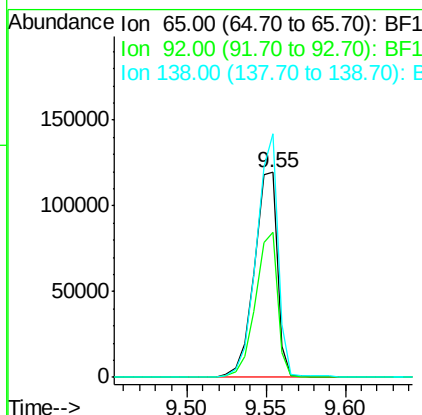
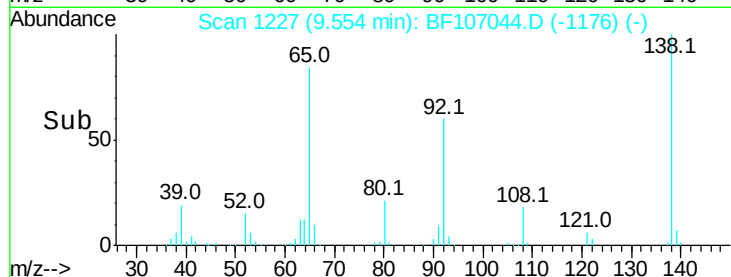
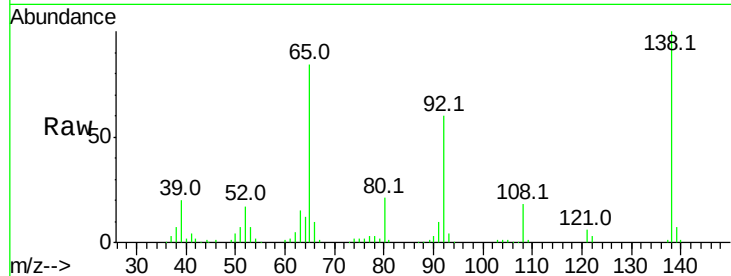
#47  
2-Nitroaniline  
Concen: 40.091 ng  
RT: 9.55 min Scan# 1227  
Delta R.T. 0.00 min  
Lab File: BF107044.D  
Acq: 2 Jul 2018 15:09

Instrument :  
BNA\_F  
ClientSampleId :  
JCSA-302MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 70.9  | 55.8  | 83.6  |
| 138     | 118.9 | 91.2  | 136.8 |

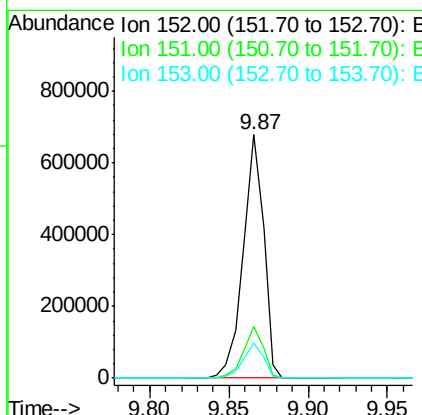
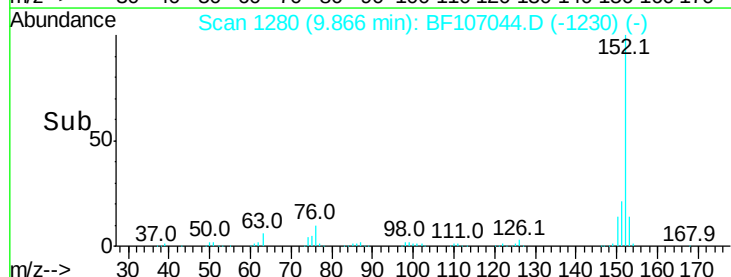
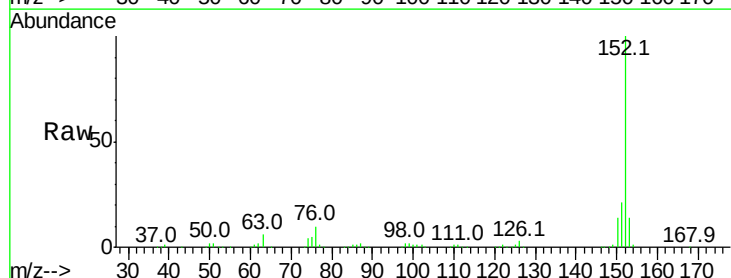
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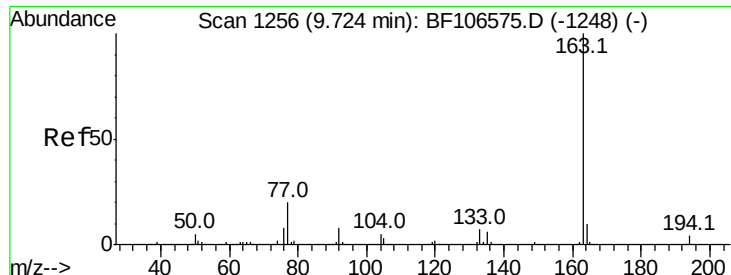
Sohil  
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#48  
Acenaphthylene  
Concen: 42.513 ng  
RT: 9.87 min Scan# 1280  
Delta R.T. -0.01 min  
Lab File: BF107044.D  
Acq: 2 Jul 2018 15:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 21.0  | 16.3  | 24.5  |
| 153     | 14.3  | 10.7  | 16.1  |





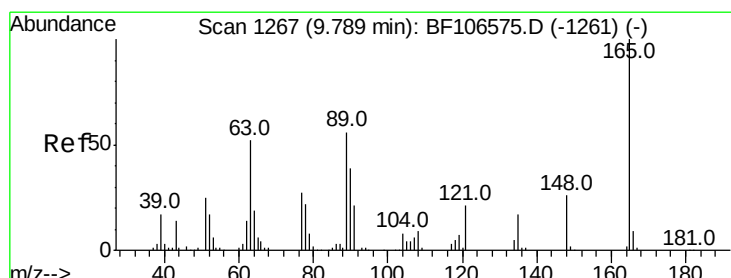
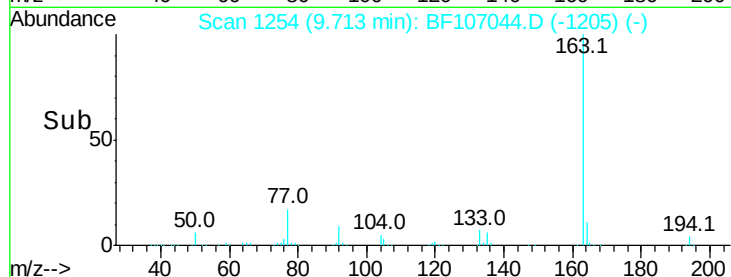
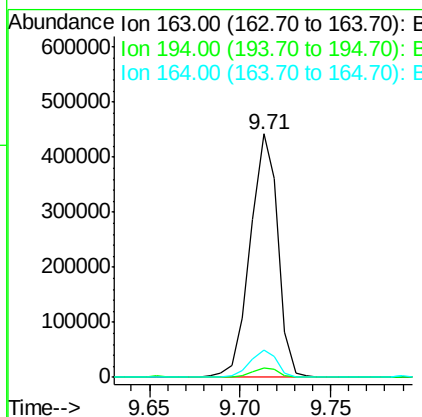
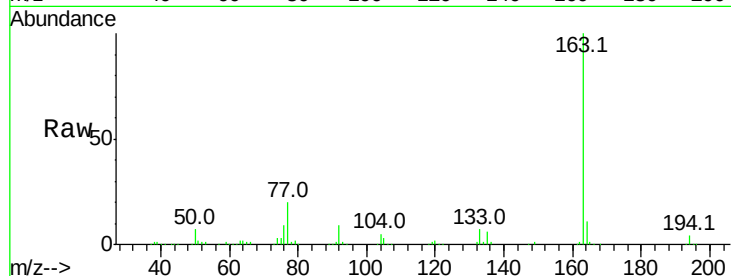
#49  
Dimethylphthalate  
Concen: 43.209 ng  
RT: 9.71 min Scan# 1254  
Delta R.T. -0.01 min  
Lab File: BF107044.D  
Acq: 2 Jul 2018 15:09

Instrument :  
BNA\_F  
ClientSampleId :  
JCSA-302MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 163     | 100   | 467098 |       |       |
| 194     | 4.0   | 2.7    | 4.1   |       |
| 164     | 11.1  | 8.2    | 12.2  |       |

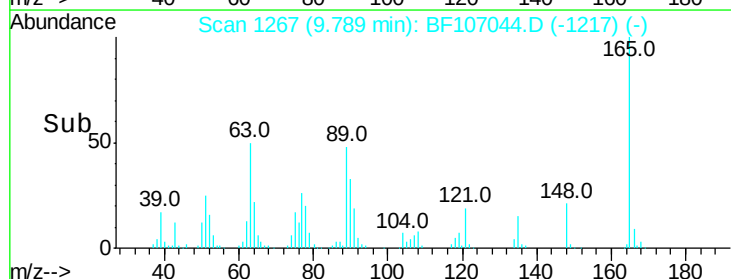
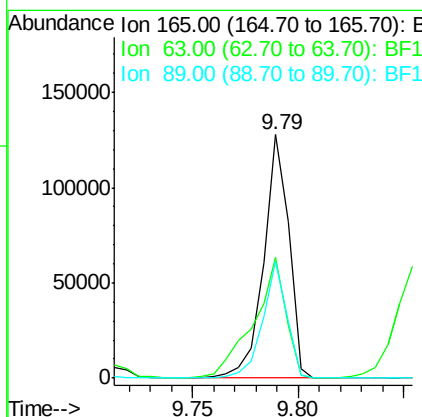
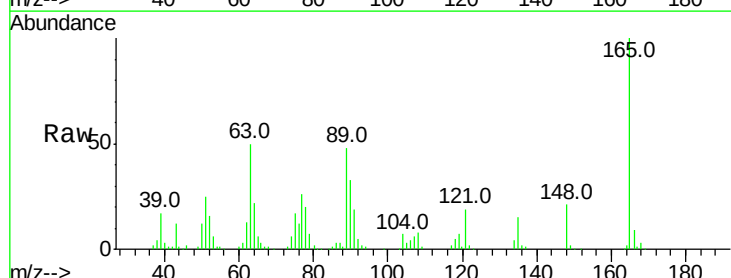
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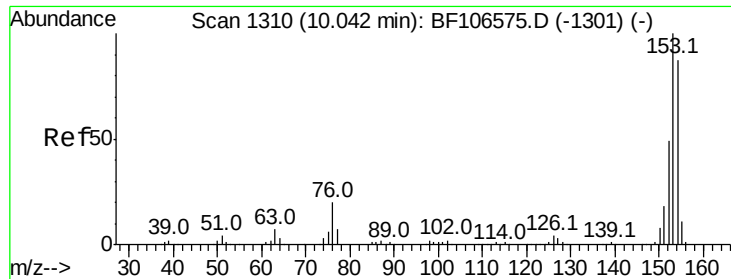
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#50  
2,6-Dinitrotoluene  
Concen: 46.301 ng  
RT: 9.79 min Scan# 1267  
Delta R.T. -0.01 min  
Lab File: BF107044.D  
Acq: 2 Jul 2018 15:09

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 105989 |       |       |
| 63      | 49.6  | 44.7   | 67.1  |       |
| 89      | 48.0  | 44.0   | 66.0  |       |





#51

Acenaphthene

Concen: 40.696 ng

RT: 10.04 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF107044.D

Acq: 2 Jul 2018 15:09

Instrument :

BNA\_F

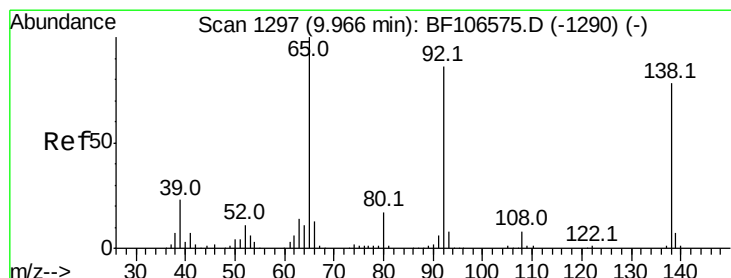
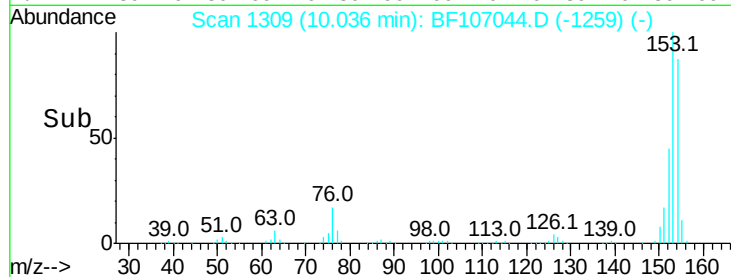
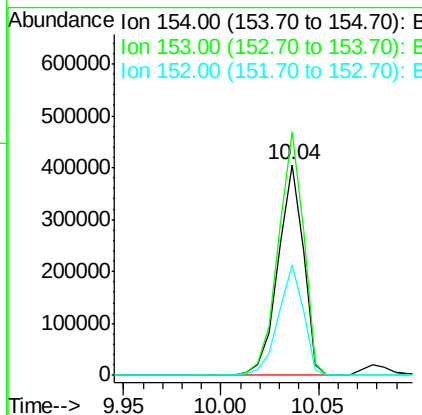
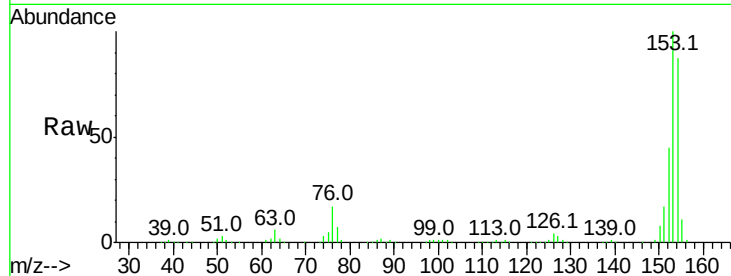
ClientSampleId :

JCSA-302MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 154   | Resp: | 365831 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 115.5 | 91.2  | 136.8  |
| 152       | 52.5  | 43.8  | 65.8   |

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#52

3-Nitroaniline

Concen: 16.754 ng

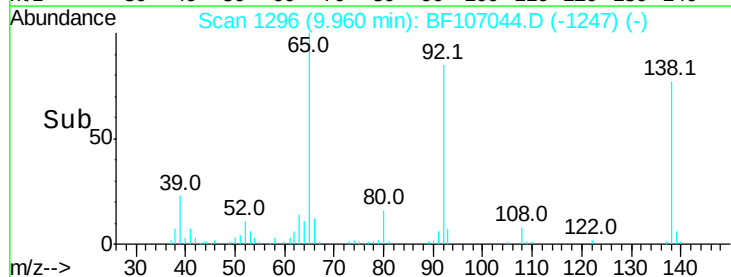
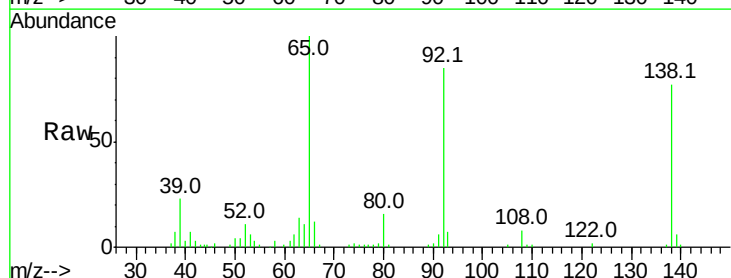
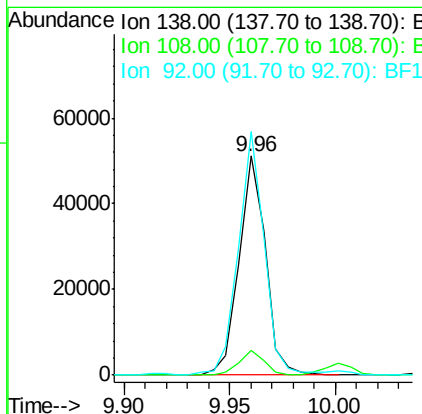
RT: 9.96 min Scan# 1296

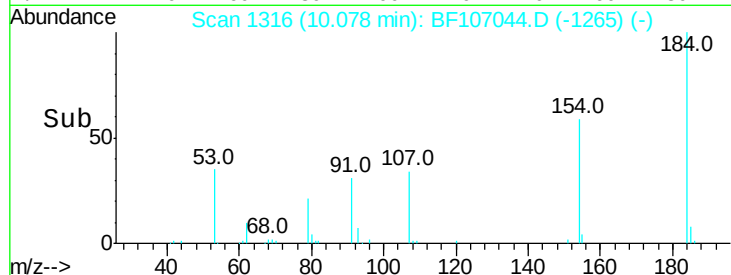
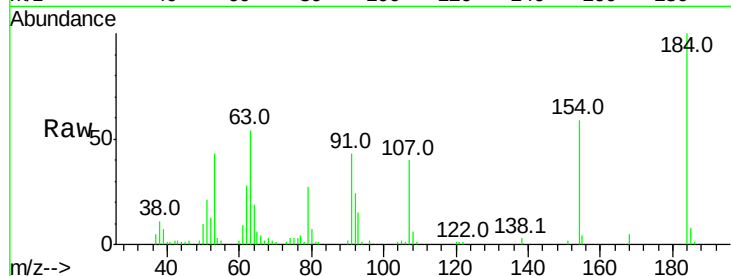
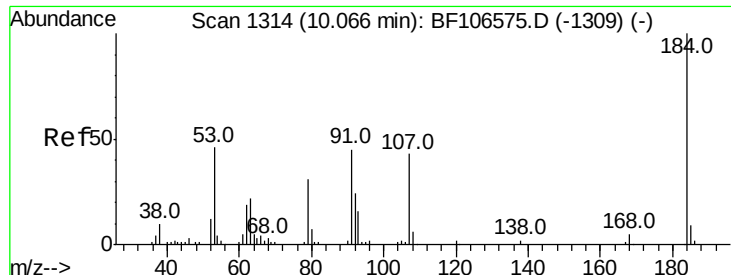
Delta R.T. -0.01 min

Lab File: BF107044.D

Acq: 2 Jul 2018 15:09

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 138   | Resp: | 44133 |
| Ion Ratio | Lower | Upper |       |
| 138       | 100   |       |       |
| 108       | 11.0  | 9.4   | 14.0  |
| 92        | 111.2 | 89.4  | 134.2 |





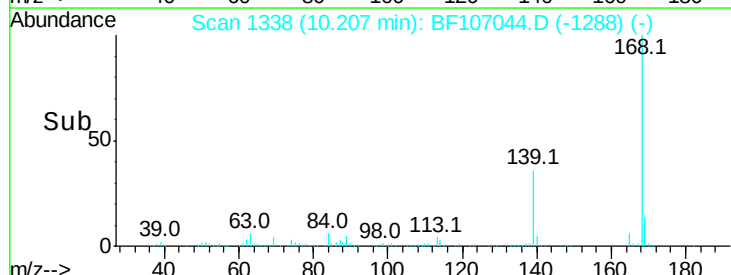
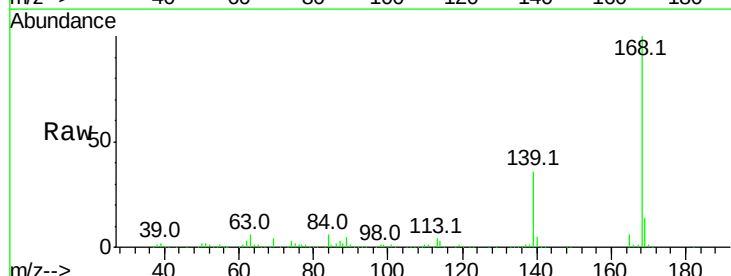
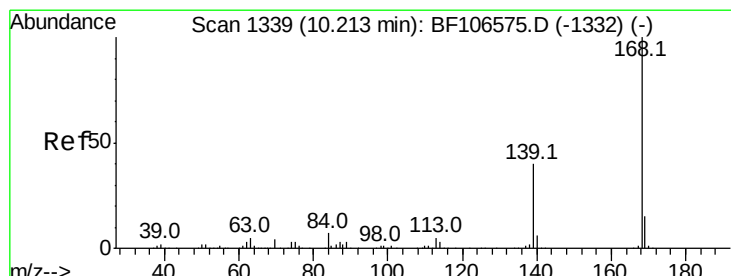
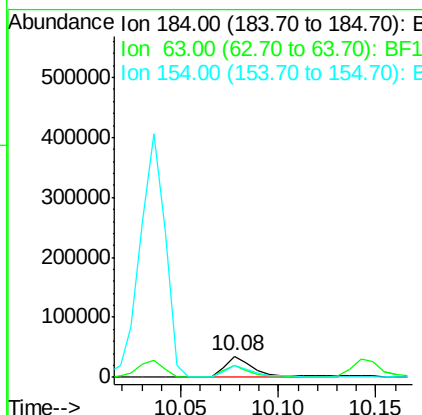
#53  
2,4-Dinitrophenol  
Concen: 35.061 ng  
RT: 10.08 min Scan# 1316  
Delta R.T. 0.00 min  
Lab File: BF107044.D  
Acq: 2 Jul 2018 15:09

Tot Ion:184 Resp: 37893  
Ion Ratio Lower Upper  
184 100  
63 53.9 54.2 81.2#  
154 59.0 184.0 276.0#

Instrument :  
BNA\_F  
ClientSampleId :  
JCSA-302MS

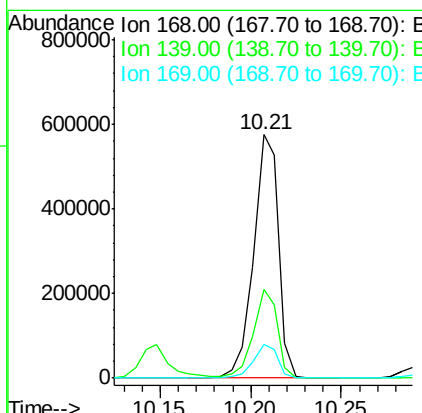
Manual Integrations  
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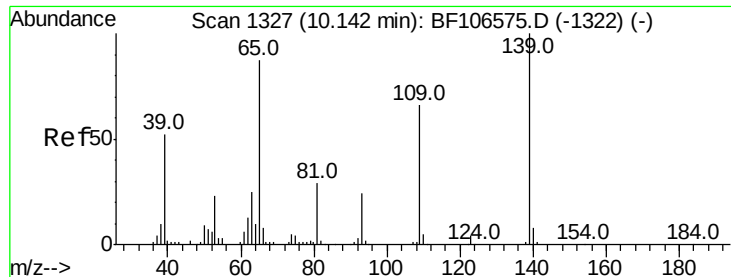
Sohil  
7/3/2018 5:29:49 PM



#54  
Dibenzofuran  
Concen: 44.375 ng  
RT: 10.21 min Scan# 1338  
Delta R.T. -0.01 min  
Lab File: BF107044.D  
Acq: 2 Jul 2018 15:09

Tgt Ion:168 Resp: 546220  
Ion Ratio Lower Upper  
168 100  
139 36.3 30.1 45.1  
169 13.9 10.9 16.3





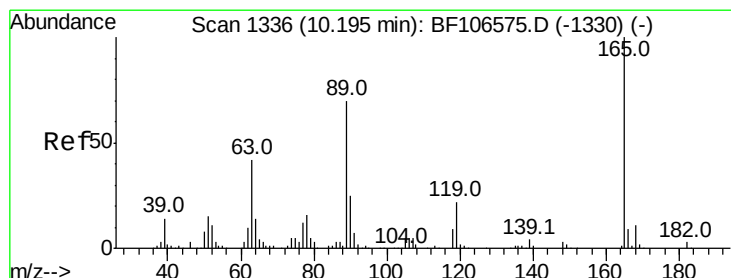
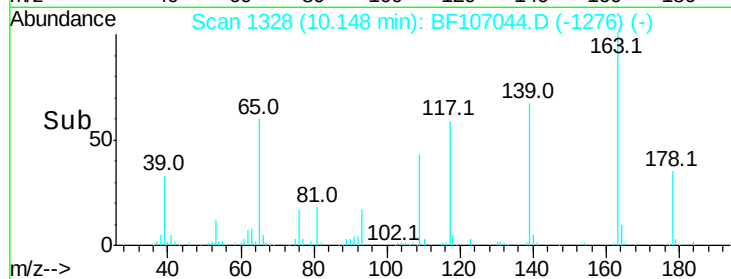
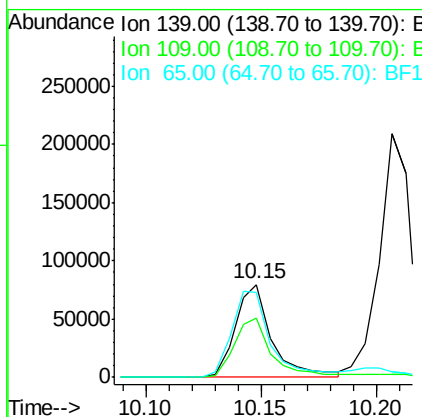
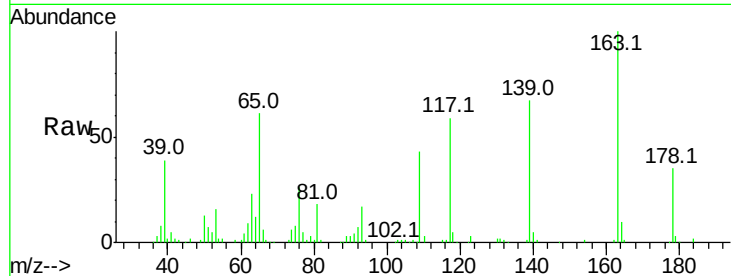
#55  
4-Nitrophenol  
Concen: 47.975 ng  
RT: 10.15 min Scan# 1328  
Delta R.T. 0.01 min  
Lab File: BF107044.D  
Acq: 2 Jul 2018 15:09

Instrument :  
BNA\_F  
ClientSampled :  
JCSA-302MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 64.2  | 48.4  | 88.4  |
| 65      | 91.9  | 72.6  | 112.6 |

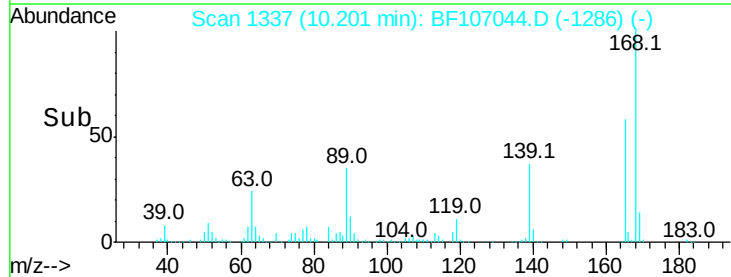
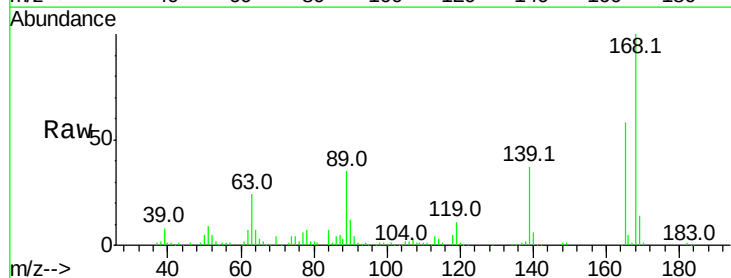
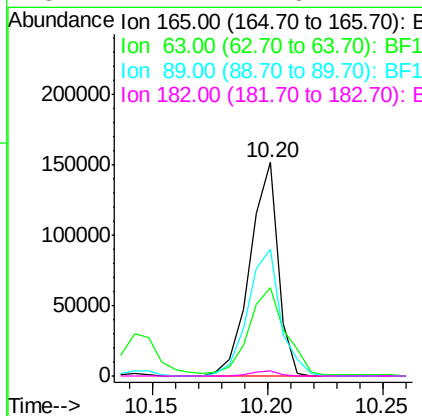
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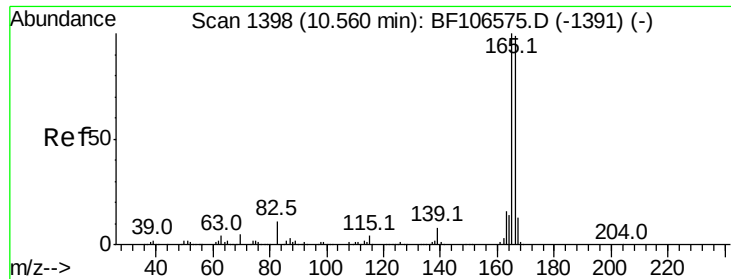


#56  
2,4-Dinitrotoluene  
Concen: 43.575 ng  
RT: 10.20 min Scan# 1337  
Delta R.T. 0.00 min  
Lab File: BF107044.D  
Acq: 2 Jul 2018 15:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 41.5  | 36.4  | 54.6  |
| 89      | 59.5  | 57.8  | 86.6  |
| 182     | 2.2   | 1.6   | 2.4   |







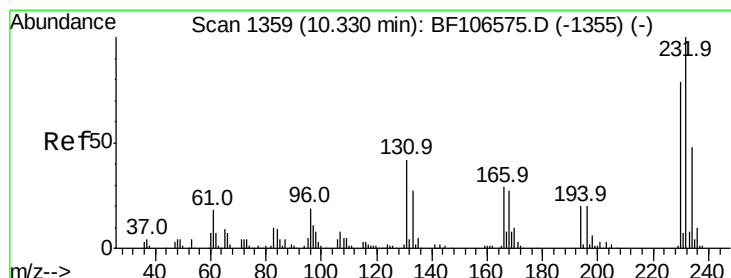
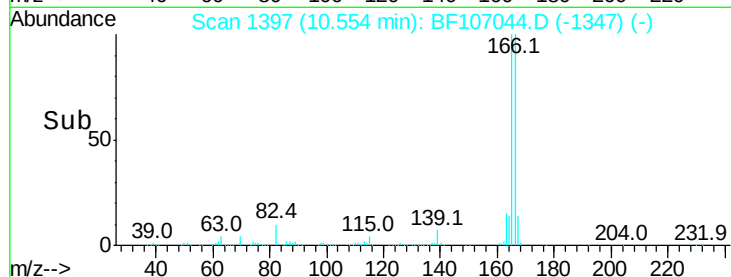
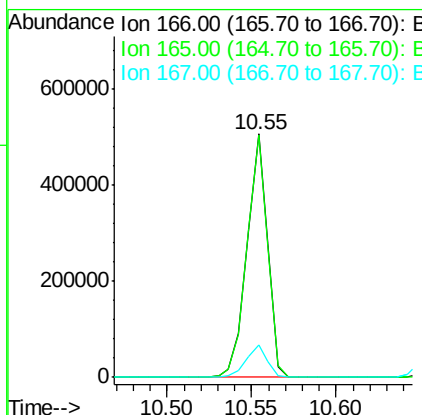
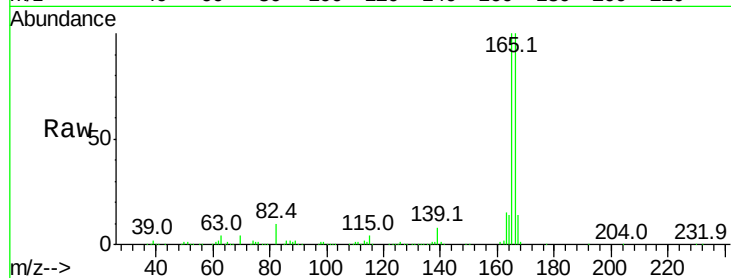
#57  
 Fluorene  
 Concen: 44.486 ng  
 RT: 10.55 min Scan# 1397  
 Delta R.T. -0.01 min  
 Lab File: BF107044.D  
 Acq: 2 Jul 2018 15:09

Instrument :  
 BNA\_F  
 ClientSampleId :  
 JCSA-302MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 99.6  | 79.8  | 119.8 |
| 167     | 13.6  | 10.6  | 16.0  |

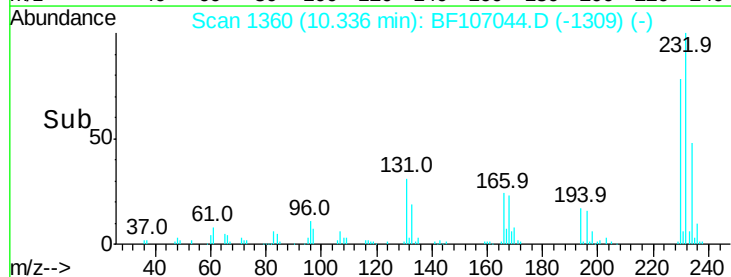
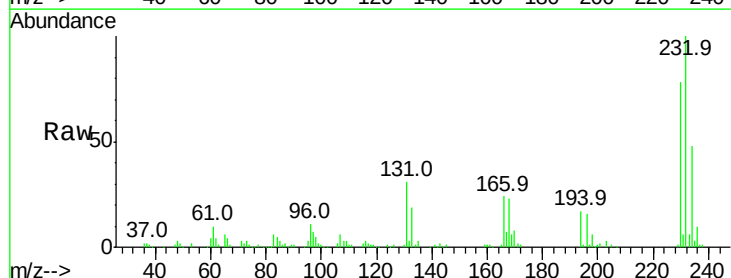
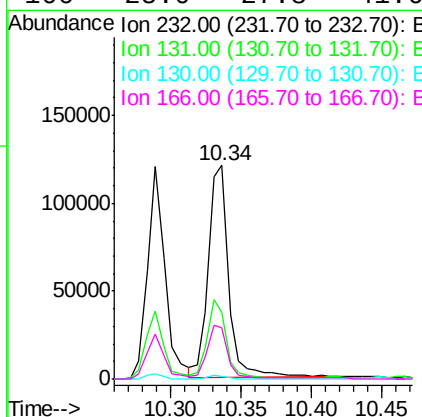
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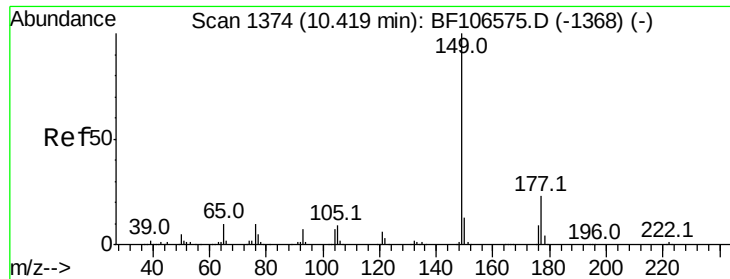
Sohil  
 7/3/2018 5:29:49 PM



#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 46.092 ng  
 RT: 10.34 min Scan# 1360  
 Delta R.T. 0.00 min  
 Lab File: BF107044.D  
 Acq: 2 Jul 2018 15:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 34.1  | 43.8  | 65.8# |
| 130     | 1.5   | 2.1   | 3.1#  |
| 166     | 25.0  | 27.8  | 41.6# |





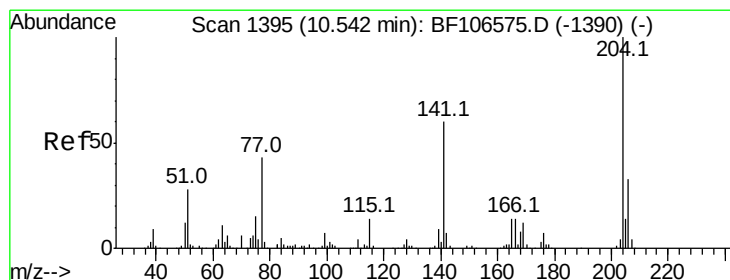
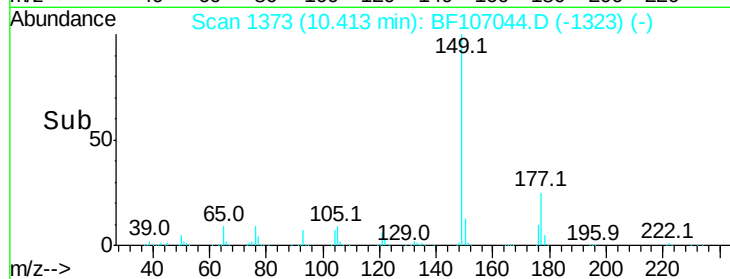
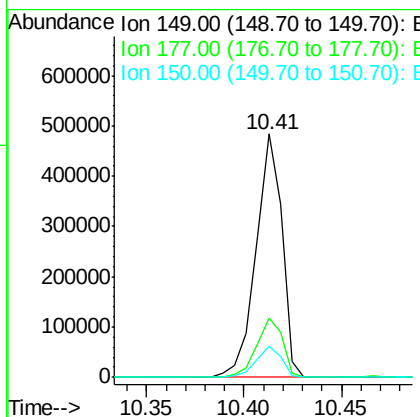
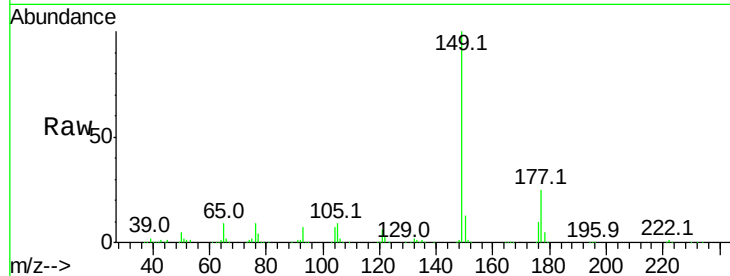
#59  
Diethylphthalate  
Concen: 42.674 ng  
RT: 10.41 min Scan# 1373  
Delta R.T. -0.01 min  
Lab File: BF107044.D  
Acq: 2 Jul 2018 15:09

Instrument :  
BNA\_F  
ClientSampleId :  
JCSA-302MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 24.6  | 16.1  | 24.1# |
| 150     | 13.0  | 10.1  | 15.1  |

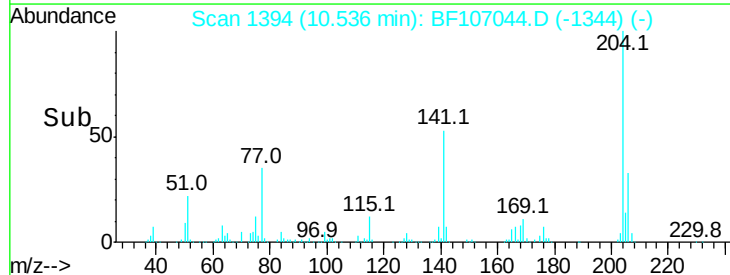
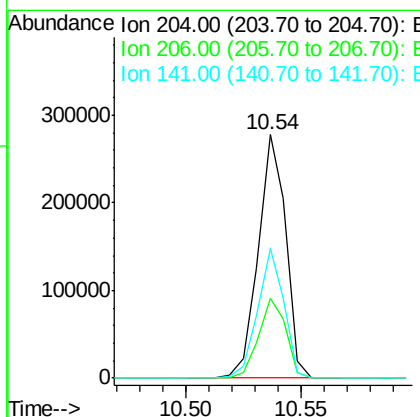
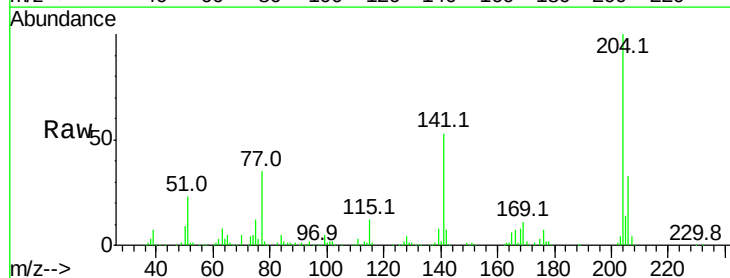
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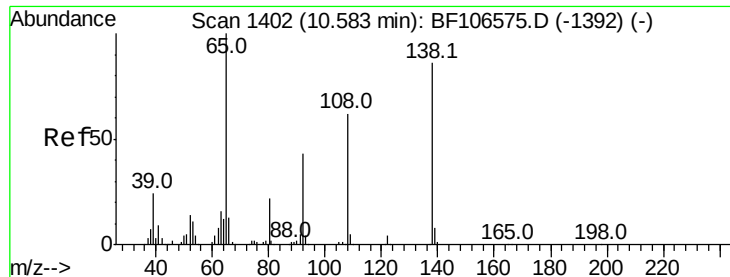
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#60  
4-Chlorophenyl-phenylether  
Concen: 45.154 ng  
RT: 10.54 min Scan# 1394  
Delta R.T. -0.01 min  
Lab File: BF107044.D  
Acq: 2 Jul 2018 15:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 32.8  | 26.5  | 39.7  |
| 141     | 53.4  | 54.6  | 81.8# |





#61

4-Nitroaniline

Concen: 33.396 ng

RT: 10.58 min Scan# 1402

Delta R.T. -0.01 min

Lab File: BF107044.D

Acq: 2 Jul 2018 15:09

Instrument :

BNA\_F

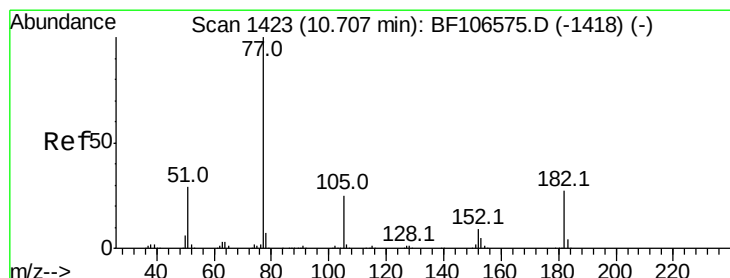
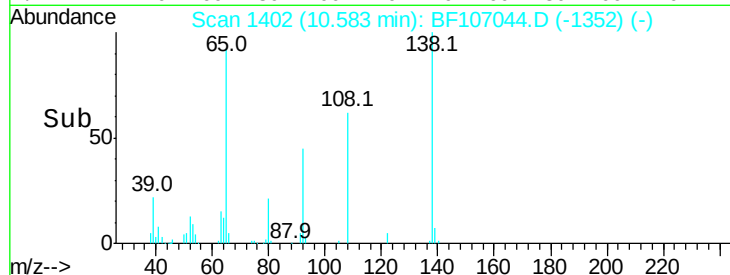
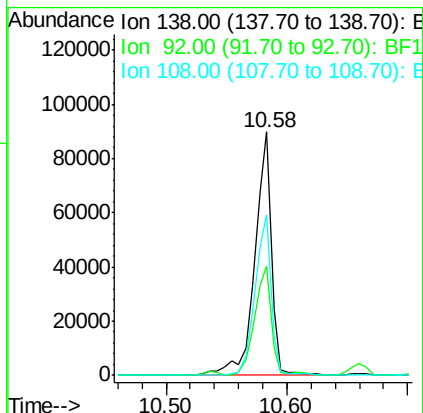
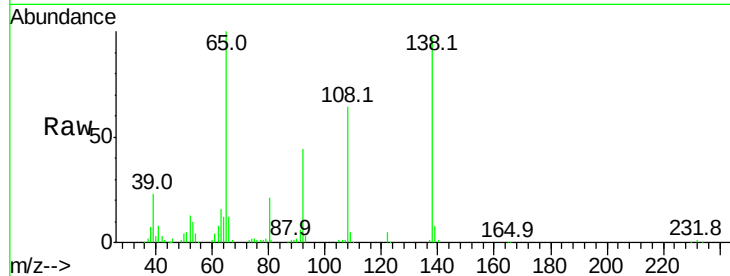
ClientSampleId :

JCSA-302MS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 138   | Resp: | 87305 |
| Ion Ratio | Lower | Upper |       |
| 138       | 100   |       |       |
| 92        | 45.1  | 30.2  | 70.2  |
| 108       | 65.6  | 52.5  | 92.5  |

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#62

Azobenzene

Concen: 39.206 ng

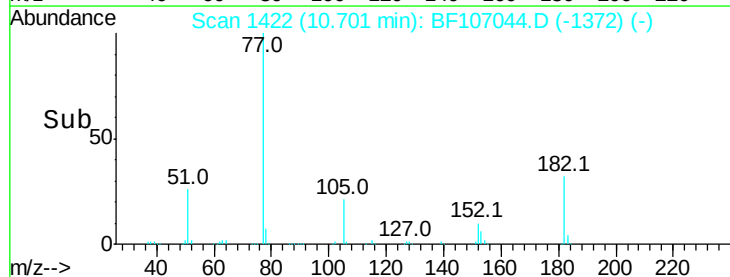
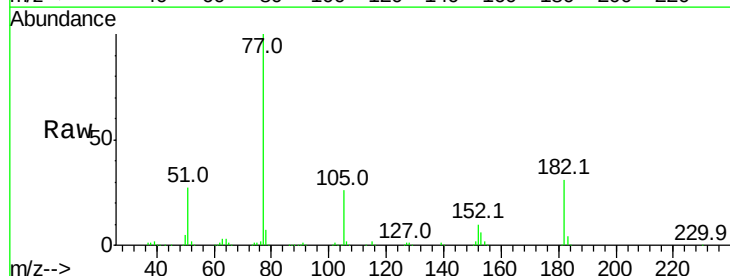
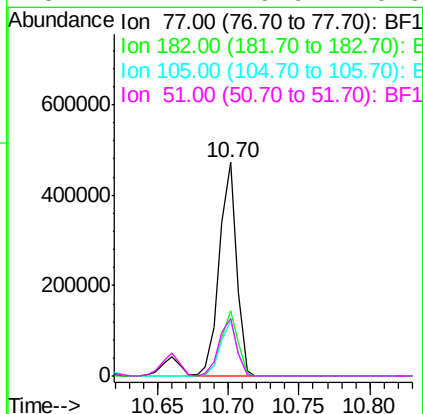
RT: 10.70 min Scan# 1422

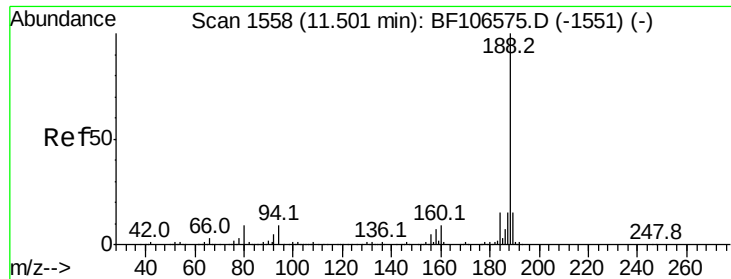
Delta R.T. -0.01 min

Lab File: BF107044.D

Acq: 2 Jul 2018 15:09

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 77    | Resp: | 402833 |
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 182       | 30.7  | 1.7   | 41.7   |
| 105       | 25.6  | 3.0   | 43.0   |
| 51        | 27.1  | 9.9   | 49.9   |





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.50 min Scan# 1557

Delta R.T. -0.01 min

Lab File: BF107044.D

Acq: 2 Jul 2018 15:09

Instrument :

BNA\_F

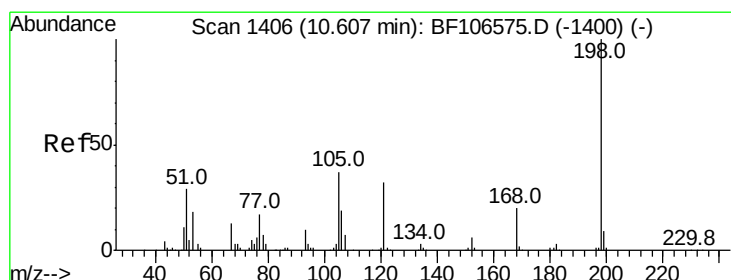
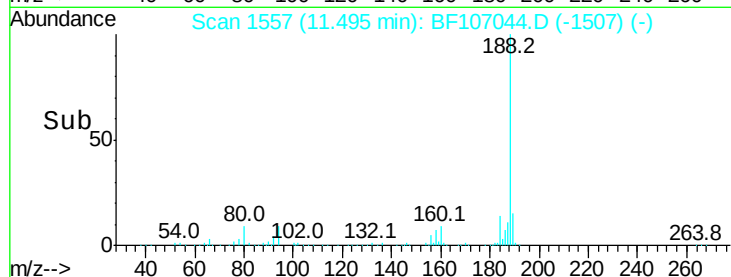
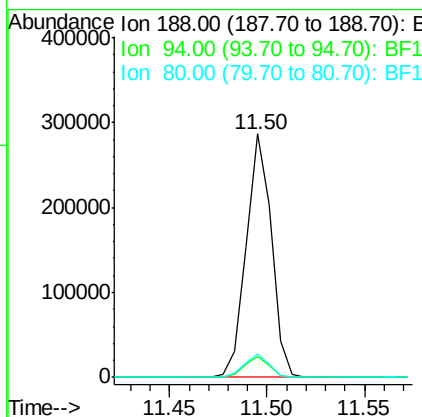
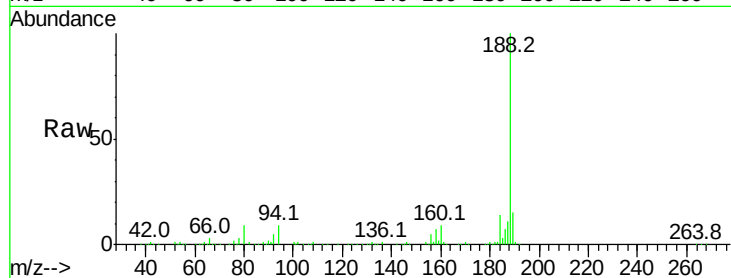
ClientSampleId :

JCSA-302MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 188   | Resp: | 256903 |
| Ion Ratio | Lower | Upper |        |
| 188       | 100   |       |        |
| 94        | 8.5   | 8.5   | 12.7   |
| 80        | 9.4   | 9.2   | 13.8   |

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#64

4,6-Dinitro-2-methylphenol

Concen: 21.722 ng

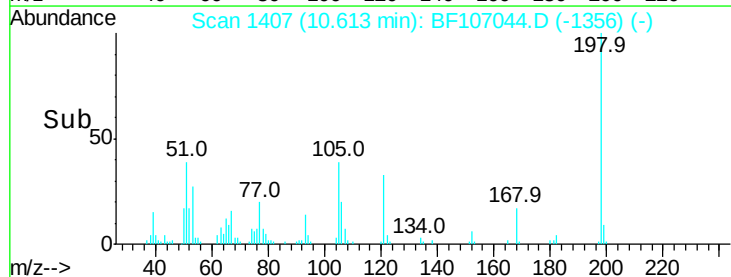
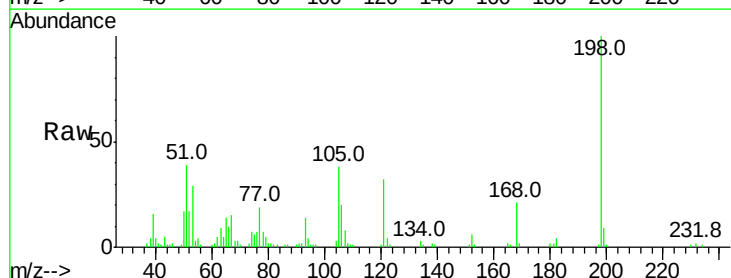
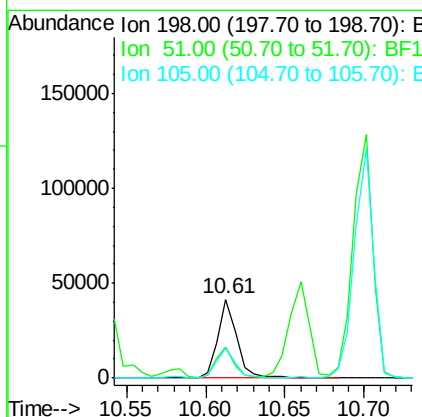
RT: 10.61 min Scan# 1407

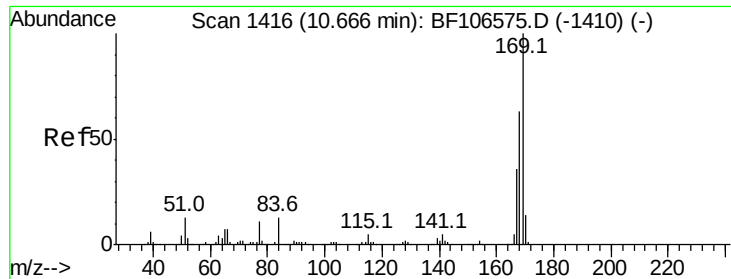
Delta R.T. 0.00 min

Lab File: BF107044.D

Acq: 2 Jul 2018 15:09

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 198   | Resp: | 34495 |
| Ion Ratio | Lower | Upper |       |
| 198       | 100   |       |       |
| 51        | 38.9  | 37.7  | 77.7  |
| 105       | 38.3  | 36.3  | 76.3  |





#65

n-Nitrosodiphenylamine

Concen: 43.810 ng

RT: 10.66 min Scan# 1415

Delta R.T. -0.01 min

Lab File: BF107044.D

Acq: 2 Jul 2018 15:09

Instrument :

BNA\_F

ClientSampleId :

JCSA-302MS

Tot Ion:169 Resp: 378562

Ion Ratio Lower Upper

169 100

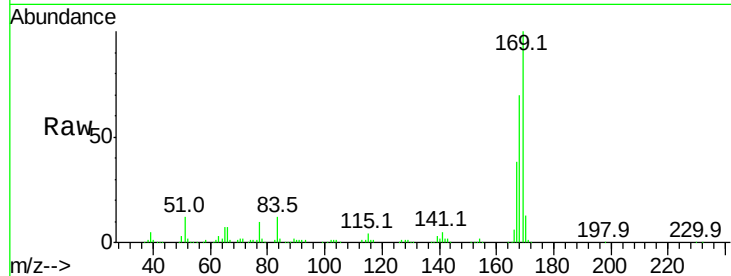
168 69.6 54.4 81.6

167 37.7 29.8 44.6

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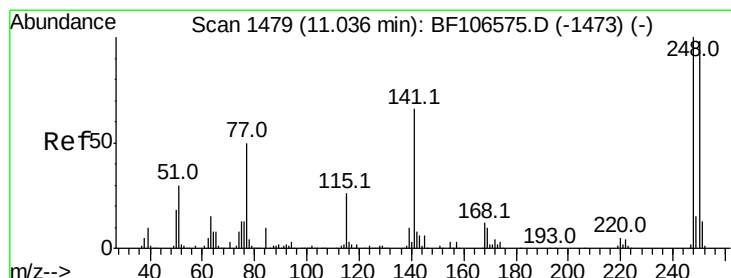
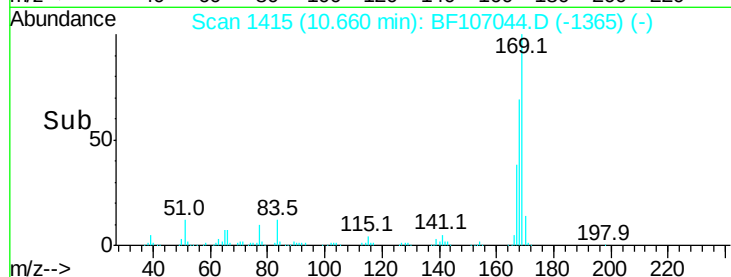
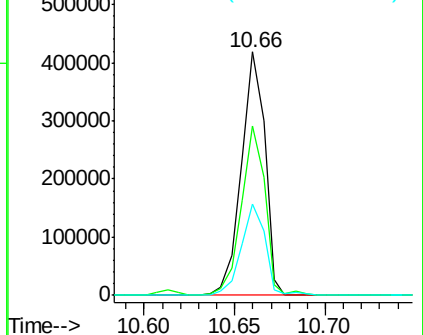
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Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 50.606 ng

RT: 11.03 min Scan# 1478

Delta R.T. -0.01 min

Lab File: BF107044.D

Acq: 2 Jul 2018 15:09

Tgt Ion:248 Resp: 155159

Ion Ratio Lower Upper

248 100

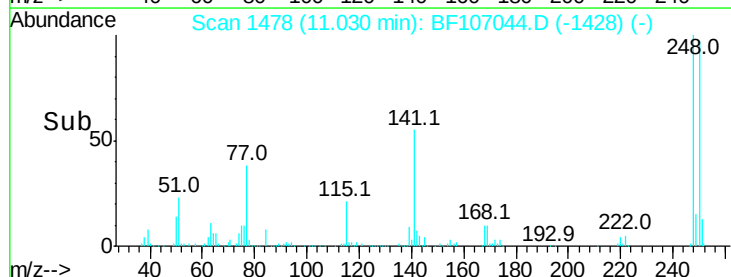
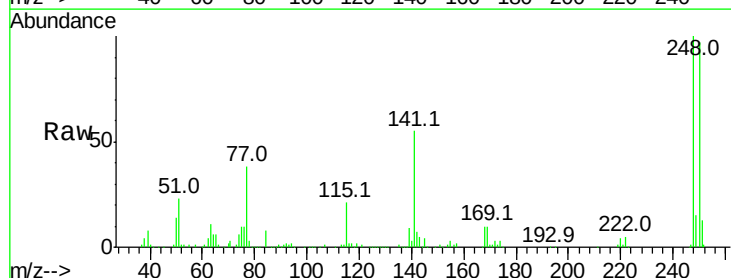
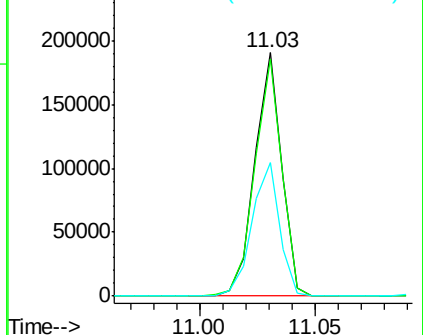
250 97.4 76.9 115.3

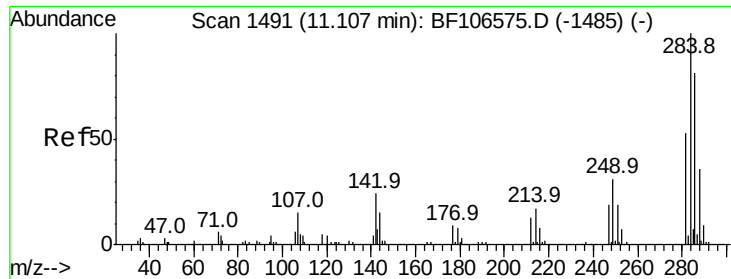
141 55.0 74.4 111.6#

Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 48.619 ng

RT: 11.11 min Scan# 1491

Delta R.T. 0.00 min

Lab File: BF107044.D

Acq: 2 Jul 2018 15:09

Instrument :

BNA\_F

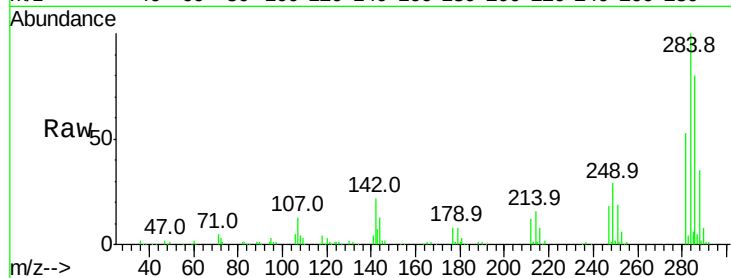
ClientSampleId :

JCSA-302MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 284     | 100   | 156019 |       |       |
| 142     | 21.8  | 34.6   | 52.0  |       |
| 249     | 29.4  | 24.8   | 37.2  |       |

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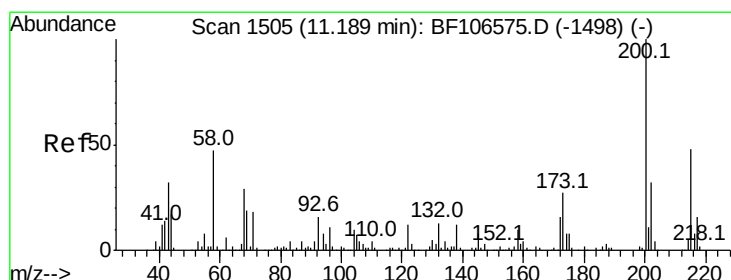
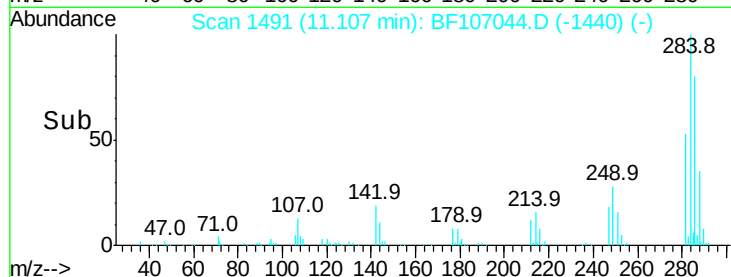
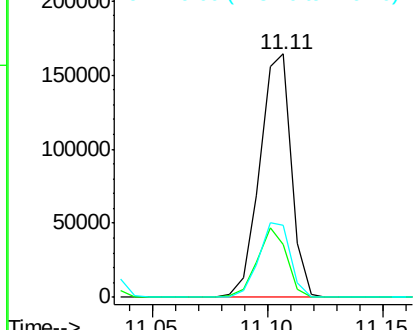
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Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 47.958 ng

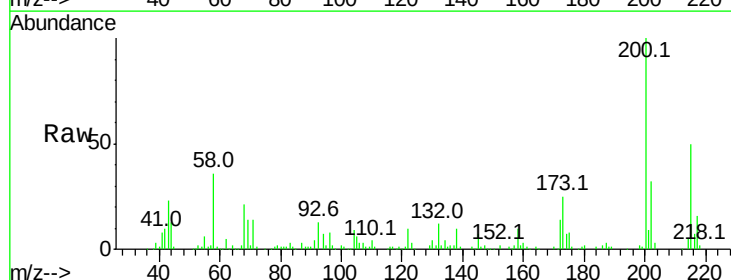
RT: 11.19 min Scan# 1505

Delta R.T. -0.01 min

Lab File: BF107044.D

Acq: 2 Jul 2018 15:09

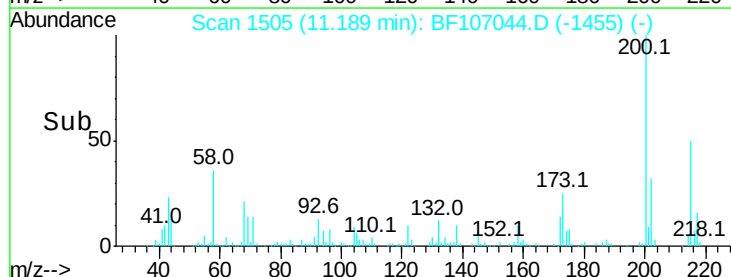
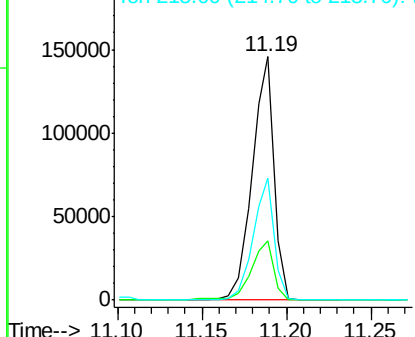
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 200     | 100   | 131740 |       |       |
| 173     | 24.5  | 8.6    | 48.6  |       |
| 215     | 50.1  | 25.1   | 65.1  |       |

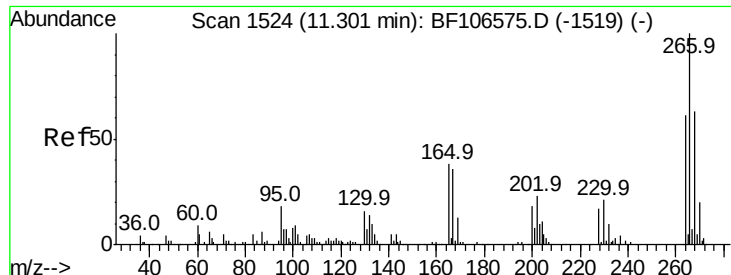


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





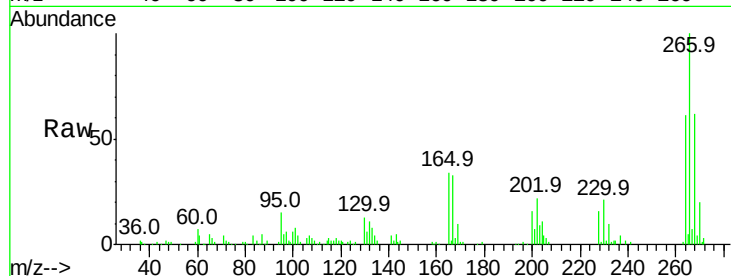
#69  
 Pentachlorophenol  
 Concen: 63.266 ng  
 RT: 11.31 min Scan# 1525  
 Delta R.T. 0.00 min  
 Lab File: BF107044.D  
 Acq: 2 Jul 2018 15:09

Instrument :  
 BNA\_F  
 ClientSampleId :  
 JCSA-302MS

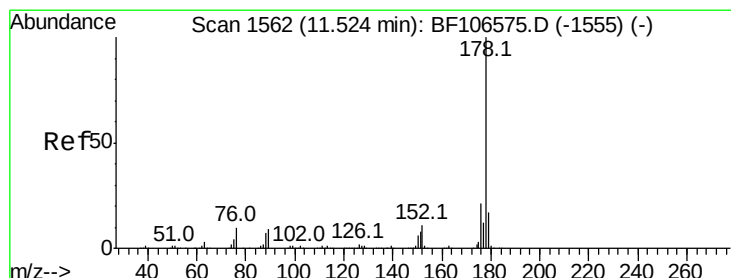
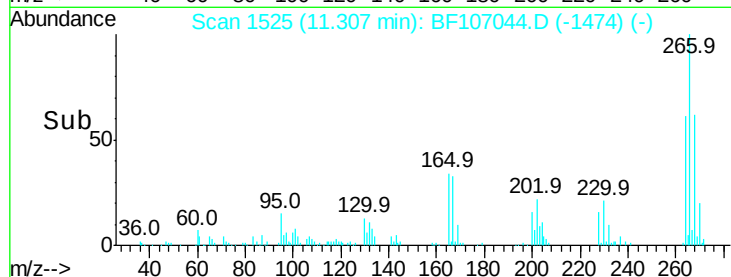
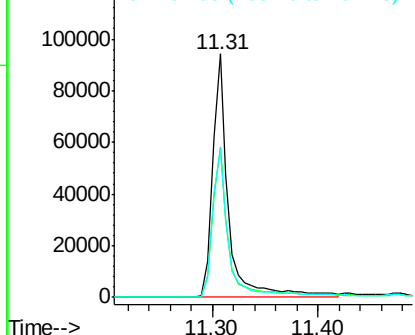
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 61.8  | 51.1  | 76.7  |
| 264     | 61.3  | 49.5  | 74.3  |

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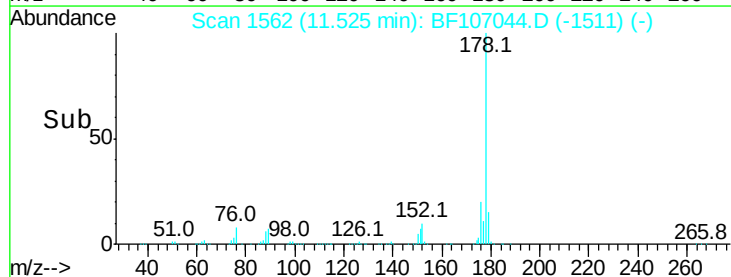
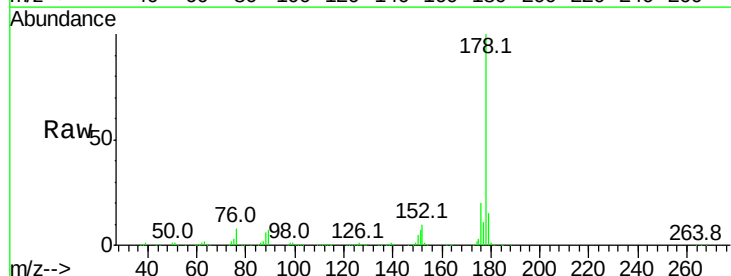
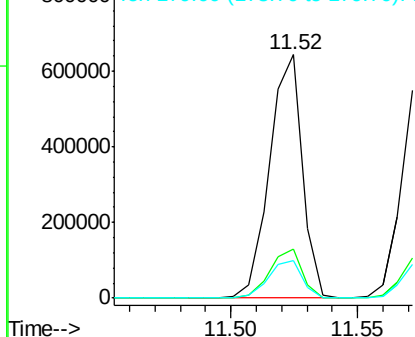
Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

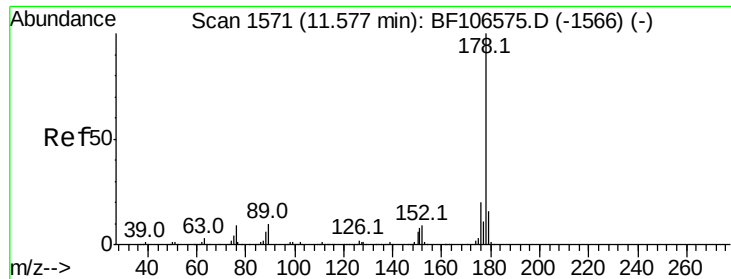


#70  
 Phenanthrene  
 Concen: 47.199 ng  
 RT: 11.52 min Scan# 1562  
 Delta R.T. 0.00 min  
 Lab File: BF107044.D  
 Acq: 2 Jul 2018 15:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 20.3  | 15.8  | 23.8  |
| 179     | 15.5  | 13.0  | 19.6  |

Abundance Ion 178.00 (177.70 to 178.70): E  
 Ion 176.00 (175.70 to 176.70): E  
 Ion 179.00 (178.70 to 179.70): E





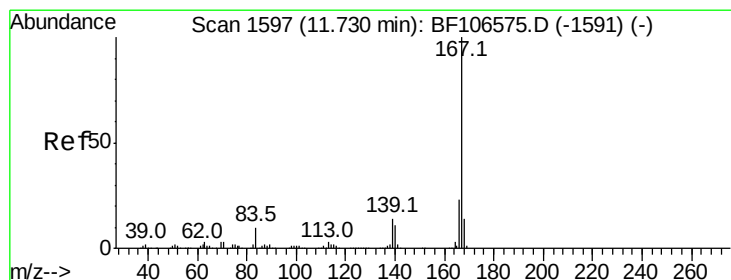
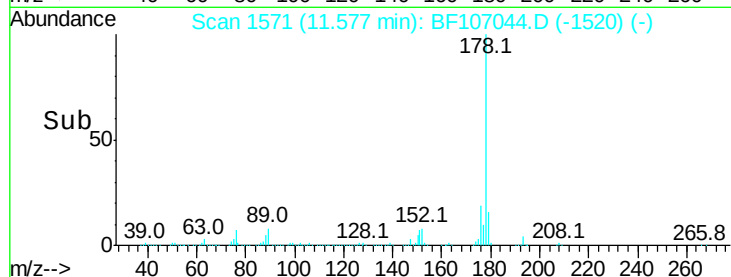
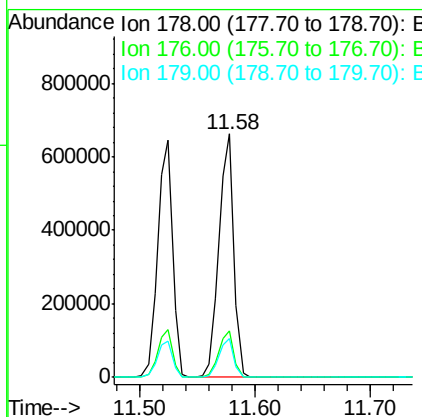
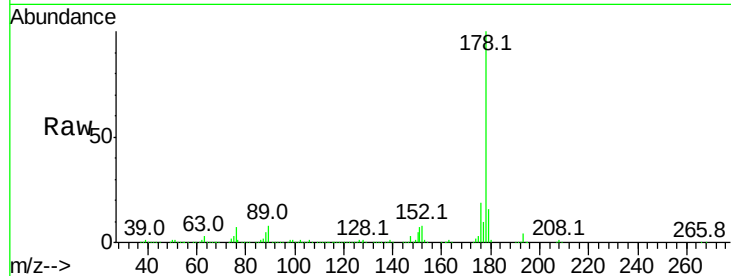
#71  
 Anthracene  
 Concen: 47.038 ng  
 RT: 11.58 min Scan# 1571  
 Delta R.T. 0.00 min  
 Lab File: BF107044.D  
 Acq: 2 Jul 2018 15:09

Instrument :  
 BNA\_F  
 ClientSampleId :  
 JCSA-302MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.1  | 15.4  | 23.2  |
| 179     | 15.7  | 12.6  | 19.0  |

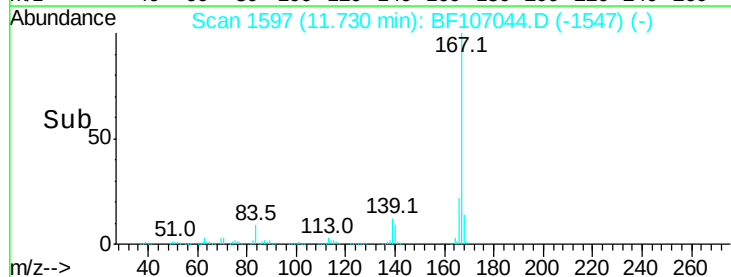
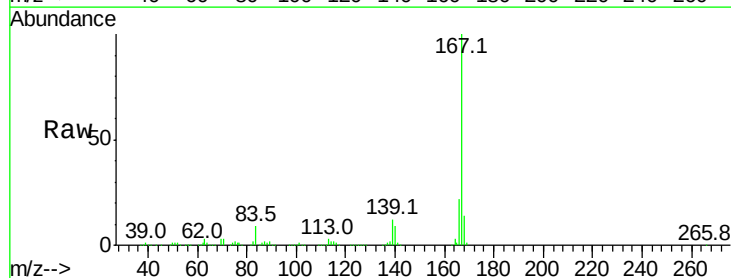
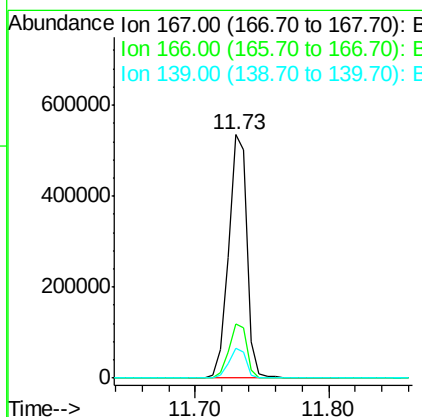
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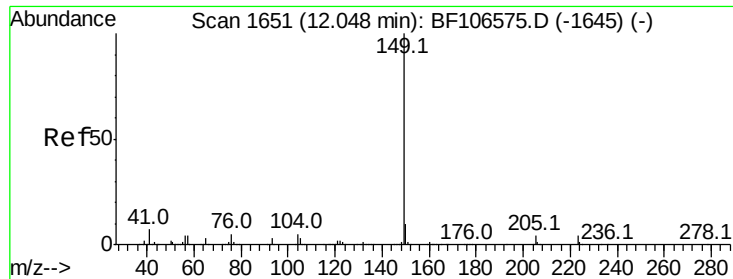


#72  
 Carbazole  
 Concen: 44.030 ng  
 RT: 11.73 min Scan# 1597  
 Delta R.T. -0.01 min  
 Lab File: BF107044.D  
 Acq: 2 Jul 2018 15:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 22.1  | 17.6  | 26.4  |
| 139     | 12.1  | 10.9  | 16.3  |







#73

Di-n-butylphthalate

Concen: 45.626 ng

RT: 12.04 min Scan# 1649

Delta R.T. -0.01 min

Lab File: BF107044.D

Acq: 2 Jul 2018 15:09

Instrument :

BNA\_F

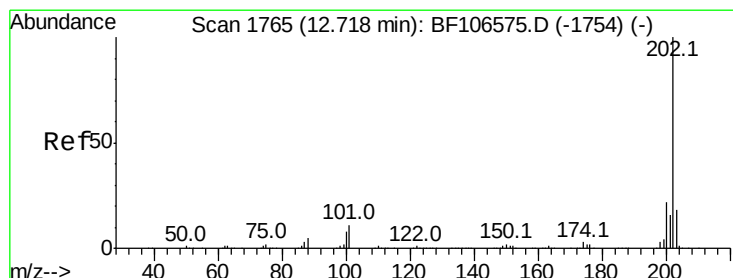
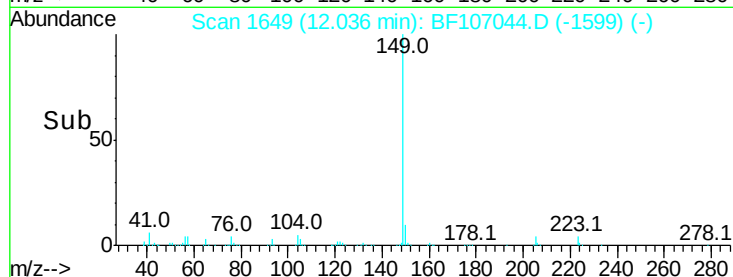
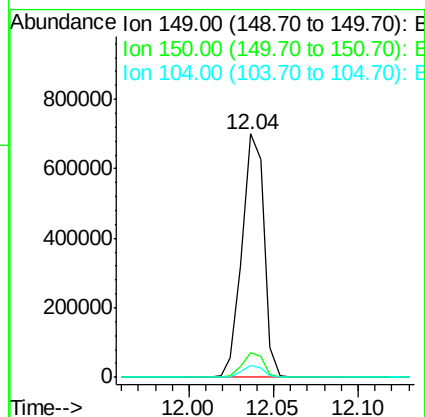
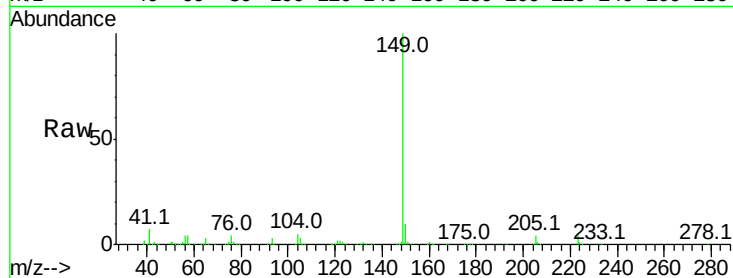
ClientSampleId :

JCSA-302MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 149   | Resp: | 636484 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 150       | 9.9   | 7.8   | 11.6   |
| 104       | 4.6   | 3.8   | 5.8    |

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#74

Fluoranthene

Concen: 44.513 ng

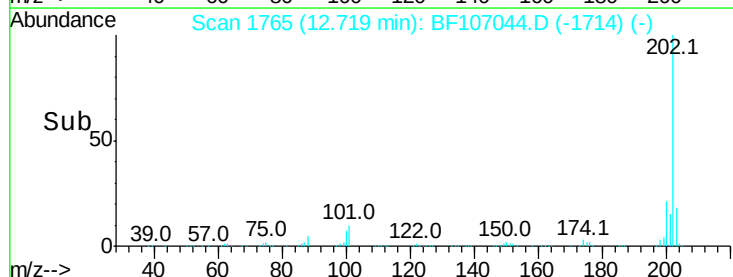
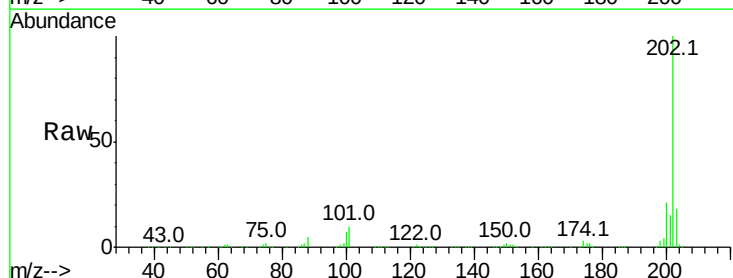
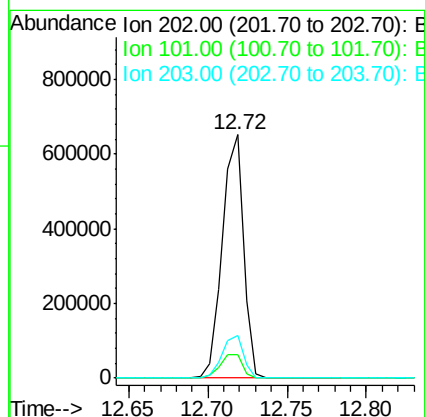
RT: 12.72 min Scan# 1765

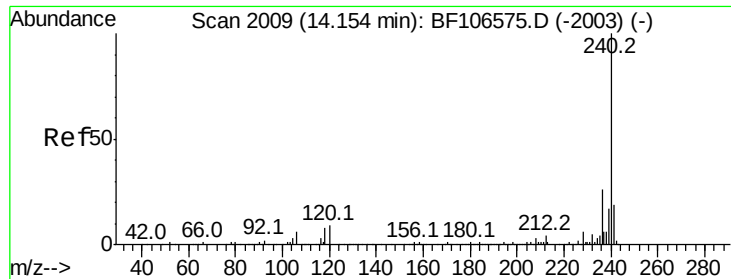
Delta R.T. 0.00 min

Lab File: BF107044.D

Acq: 2 Jul 2018 15:09

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 607932 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 9.6   | 0.0   | 34.1   |
| 203       | 17.6  | 0.0   | 38.1   |





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2010

Delta R.T. -0.01 min

Lab File: BF107044.D

Acq: 2 Jul 2018 15:09

Instrument :

BNA\_F

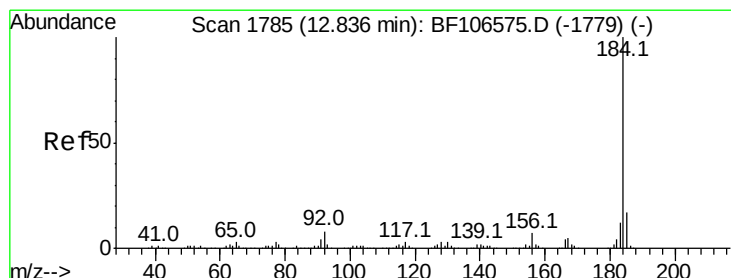
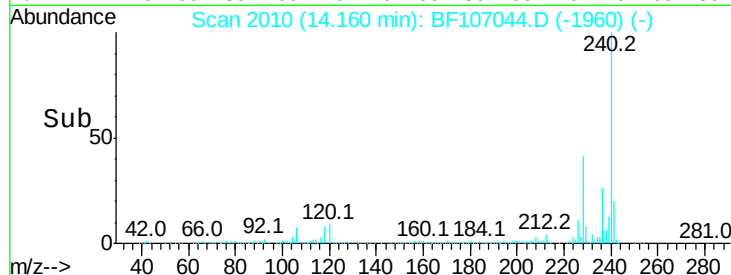
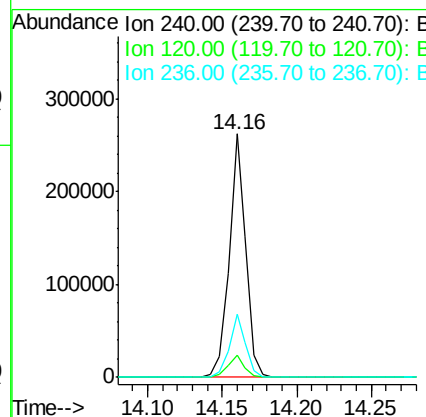
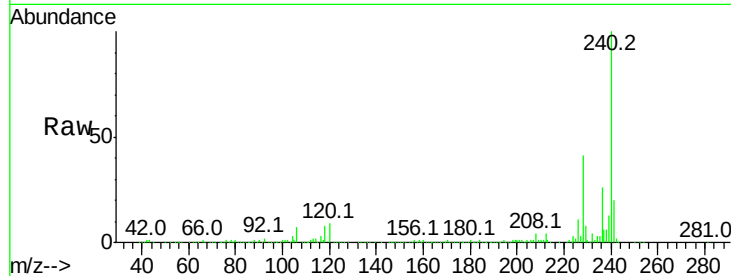
ClientSampleId :

JCSA-302MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 240     | 100   | 205642 |       |       |
| 120     | 9.1   | 9.5    | 14.3  |       |
| 236     | 25.8  | 20.7   | 31.1  |       |

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#76

Benzidine

Concen: 42.186 ng

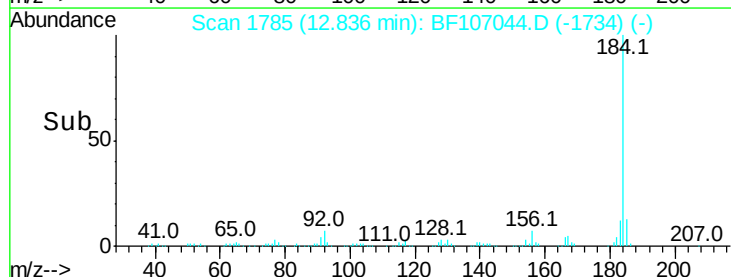
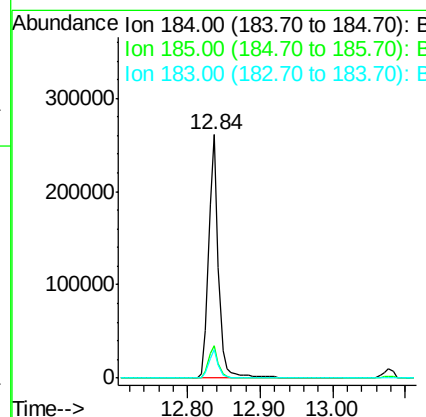
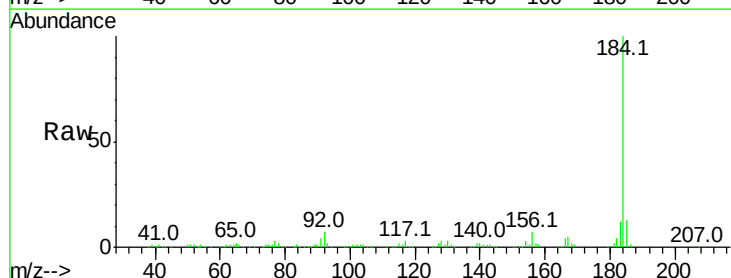
RT: 12.84 min Scan# 1785

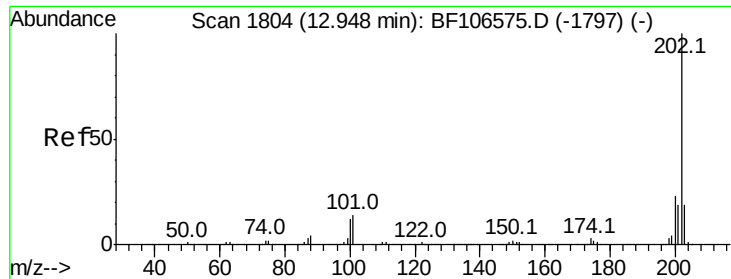
Delta R.T. 0.00 min

Lab File: BF107044.D

Acq: 2 Jul 2018 15:09

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 184     | 100   | 247069 |       |       |
| 185     | 13.2  | 12.6   | 18.8  |       |
| 183     | 11.5  | 9.3    | 13.9  |       |





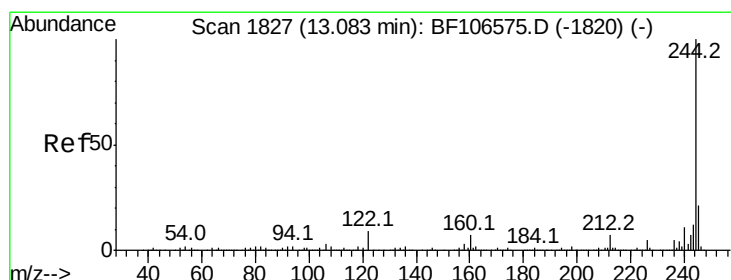
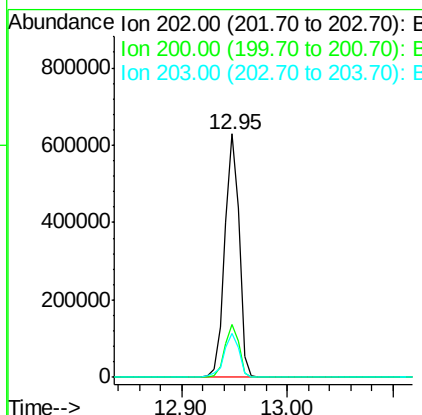
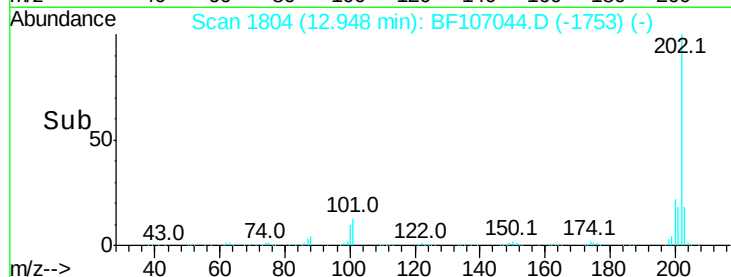
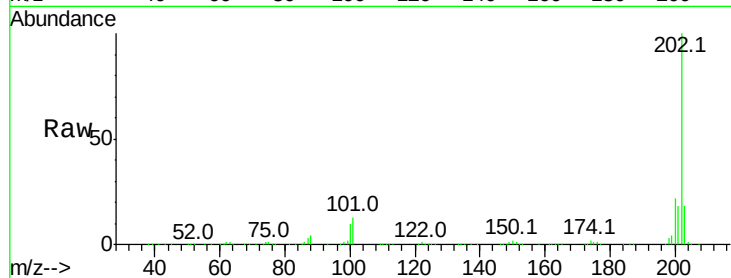
#77  
Pvrene  
Concen: 44.115 ng  
RT: 12.95 min Scan# 1804  
Delta R.T. 0.00 min  
Lab File: BF107044.D  
Acq: 2 Jul 2018 15:09

Instrument :  
BNA\_F  
ClientSampleId :  
JCSA-302MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 202     | 100   | 598224 |       |       |
| 200     | 21.7  |        | 17.4  | 26.2  |
| 203     | 17.8  |        | 14.3  | 21.5  |

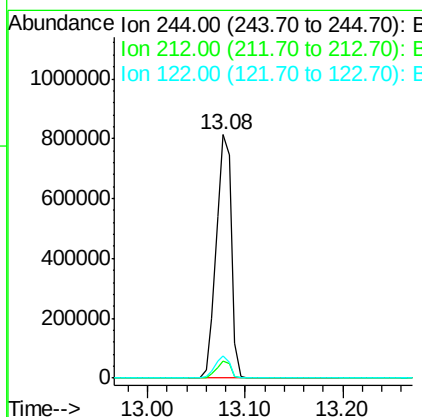
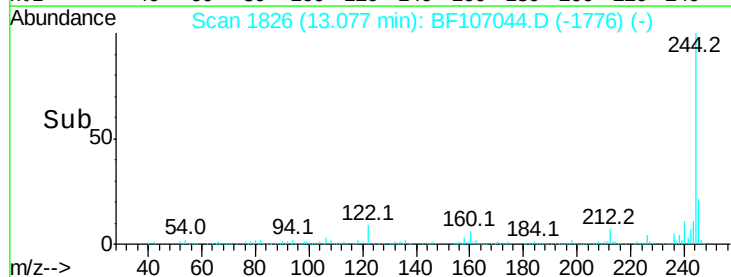
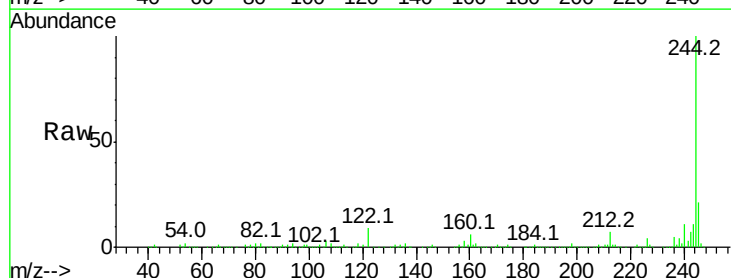
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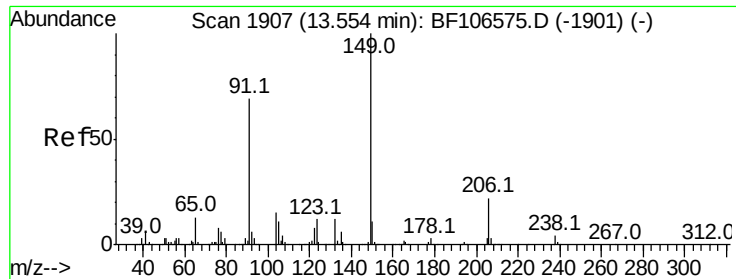
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#78  
Terphenyl-d14  
Concen: 102.443 ng  
RT: 13.08 min Scan# 1826  
Delta R.T. -0.01 min  
Lab File: BF107044.D  
Acq: 2 Jul 2018 15:09

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 244     | 100   | 869695 |       |       |
| 212     | 6.8   |        | 5.4   | 8.0   |
| 122     | 9.3   |        | 11.0  | 16.4  |





#79

Butylbenzylphthalate

Concen: 43.174 ng

RT: 13.55 min Scan# 1906

Delta R.T. -0.01 min

Lab File: BF107044.D

Acq: 2 Jul 2018 15:09

Instrument :

BNA\_F

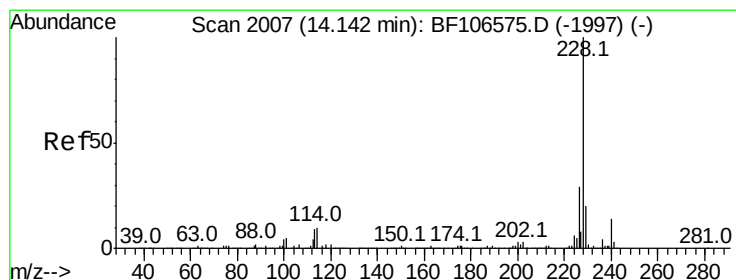
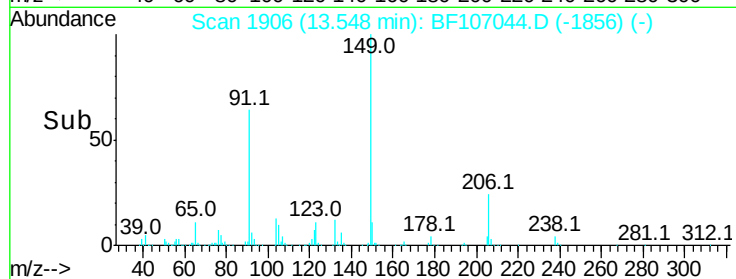
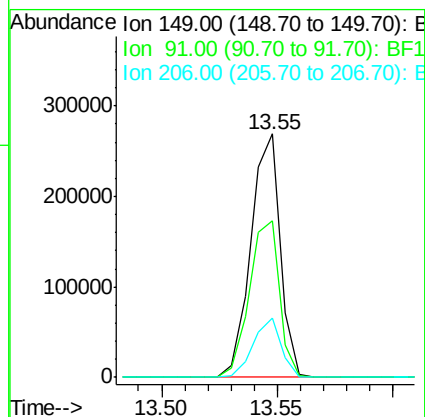
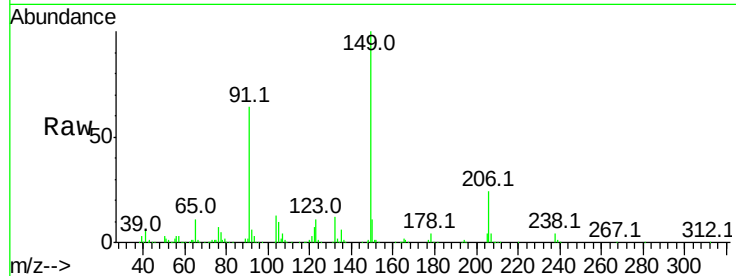
ClientSampleId :

JCSA-302MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 149   | Resp: | 240713 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 91        | 64.2  | 56.8  | 85.2   |
| 206       | 24.3  | 14.1  | 21.1   |

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#80

Benzo(a)anthracene

Concen: 45.055 ng

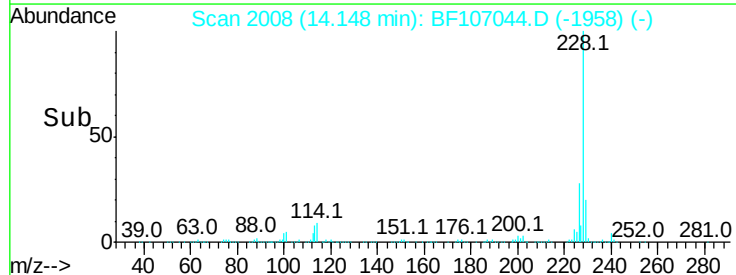
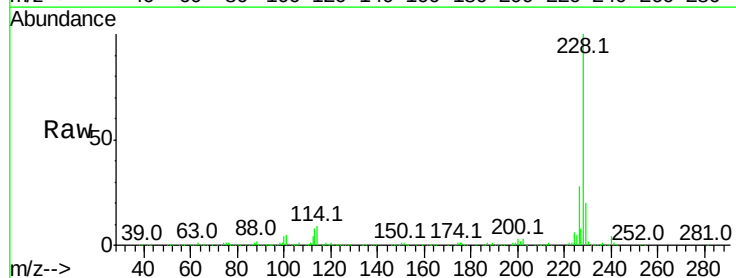
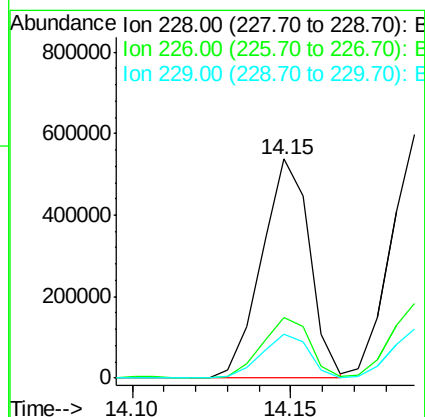
RT: 14.15 min Scan# 2008

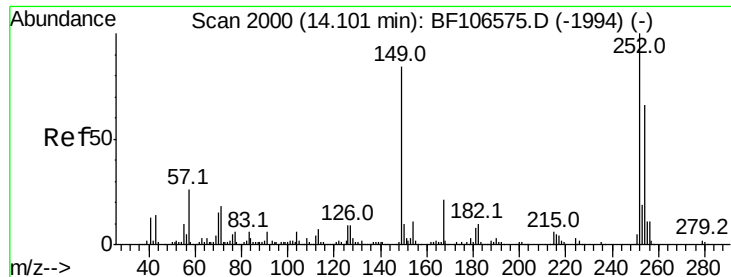
Delta R.T. -0.01 min

Lab File: BF107044.D

Acq: 2 Jul 2018 15:09

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 228   | Resp: | 564687 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 27.8  | 22.6  | 33.8   |
| 229       | 20.1  | 15.8  | 23.6   |





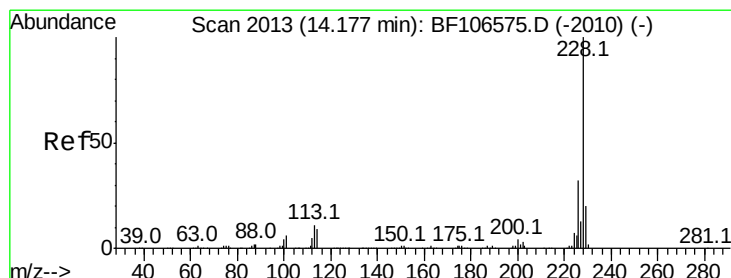
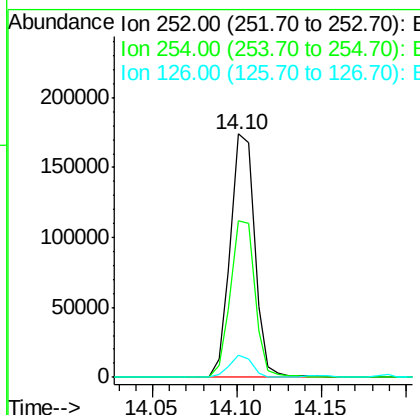
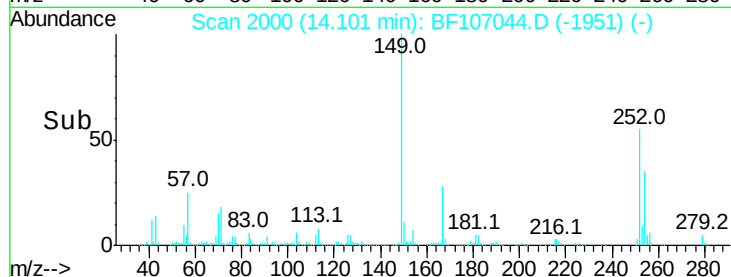
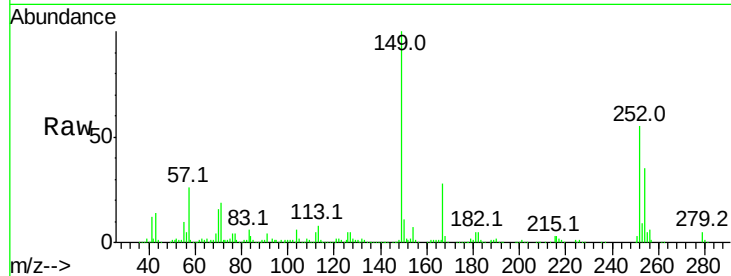
#81  
 3,3'-Dichlorobenzidine  
 Concen: 39.879 ng  
 RT: 14.10 min Scan# 2000  
 Delta R.T. -0.01 min  
 Lab File: BF107044.D  
 Acq: 2 Jul 2018 15:09

Instrument :  
 BNA\_F  
 ClientSampleId :  
 JCSA-302MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 252     | 100   | 175663 |       |       |
| 254     | 64.5  | 50.4   | 75.6  |       |
| 126     | 9.0   | 11.3   | 16.9  |       |

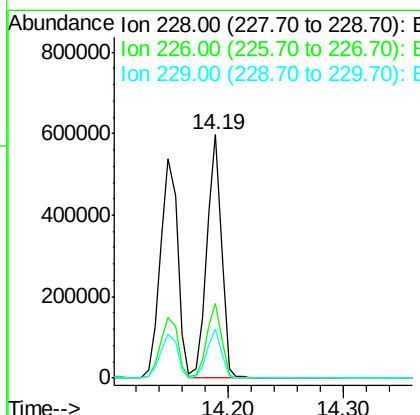
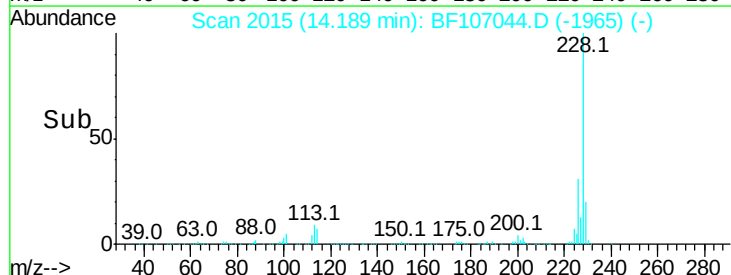
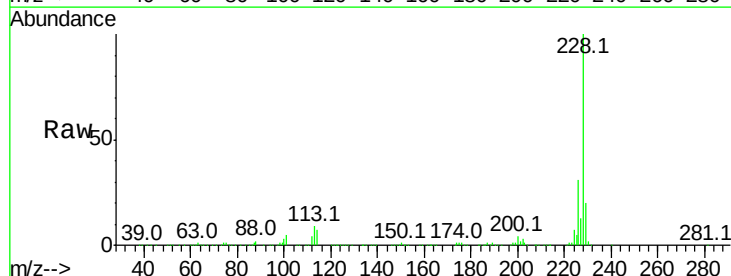
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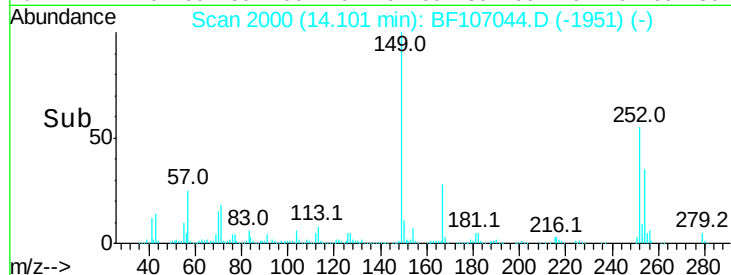
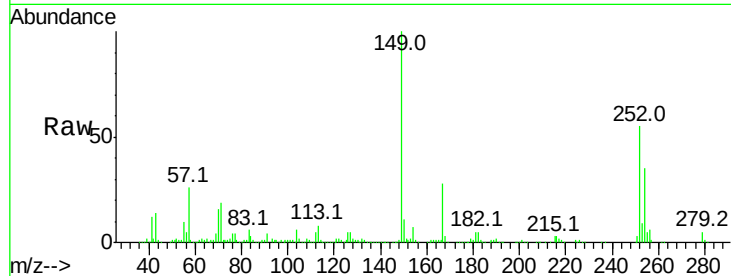
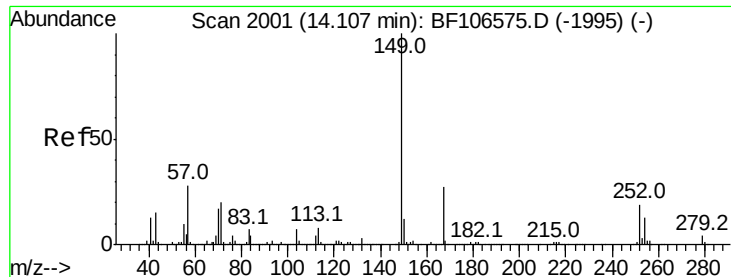
Sohil  
 7/3/2018 5:29:49 PM



#82  
 Chrysene  
 Concen: 45.626 ng  
 RT: 14.19 min Scan# 2015  
 Delta R.T. -0.01 min  
 Lab File: BF107044.D  
 Acq: 2 Jul 2018 15:09

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 228     | 100   | 526091 |       |       |
| 226     | 30.9  | 25.0   | 37.6  |       |
| 229     | 20.1  | 16.2   | 24.4  |       |





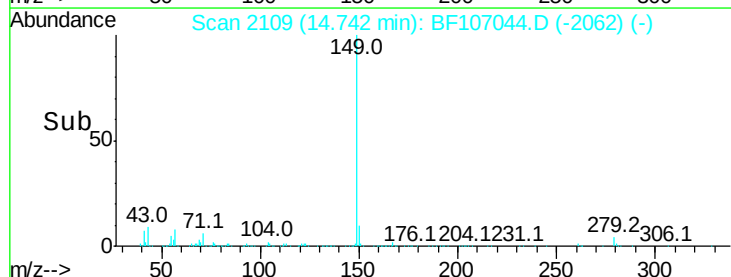
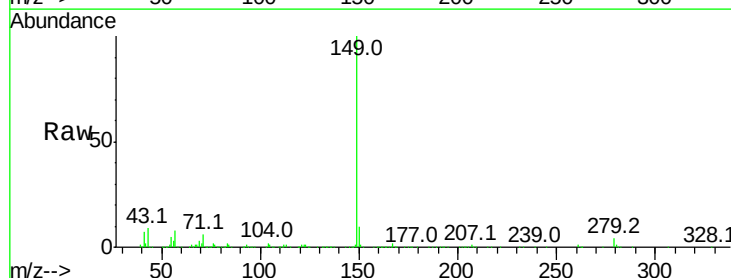
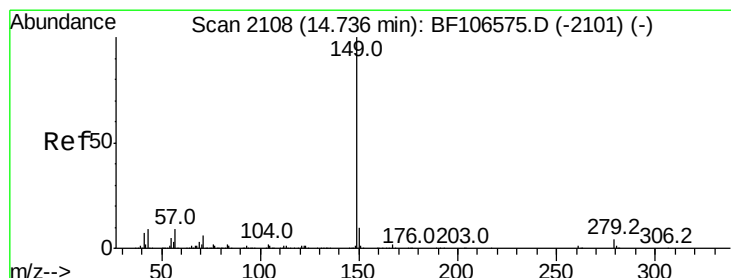
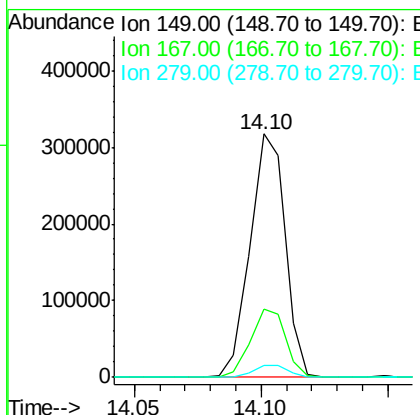
#83  
Bis(2-ethylhexyl)phthalate  
Concen: 43.119 ng  
RT: 14.10 min Scan# 2000  
Delta R.T. -0.01 min  
Lab File: BF107044.D  
Acq: 2 Jul 2018 15:09

Instrument :  
BNA\_F  
ClientSampleId :  
JCSA-302MS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 149     | 100   |      |       |       |
| 167     | 28.2  | 21.3 | 31.9  |       |
| 279     | 4.7   | 3.0  | 4.4   |       |

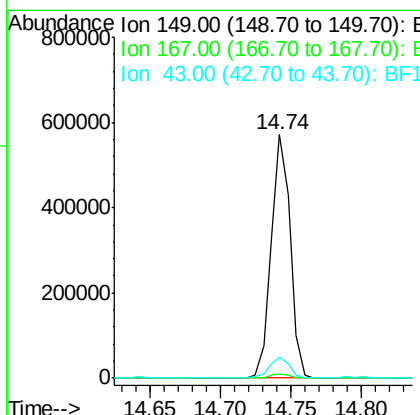
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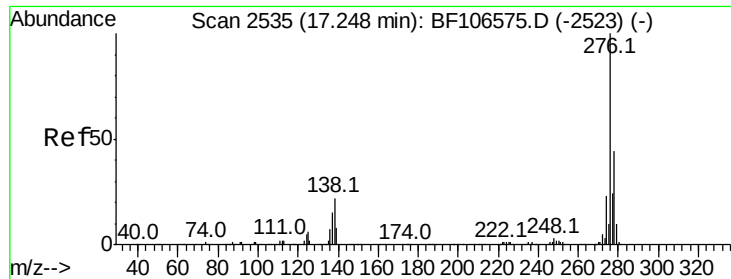
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#84  
Di-n-octyl phthalate  
Concen: 46.432 ng  
RT: 14.74 min Scan# 2109  
Delta R.T. -0.02 min  
Lab File: BF107044.D  
Acq: 2 Jul 2018 15:09

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 149     | 100   |      |       |       |
| 167     | 1.9   | 1.2  | 1.8   |       |
| 43      | 8.5   | 8.4  | 12.6  |       |





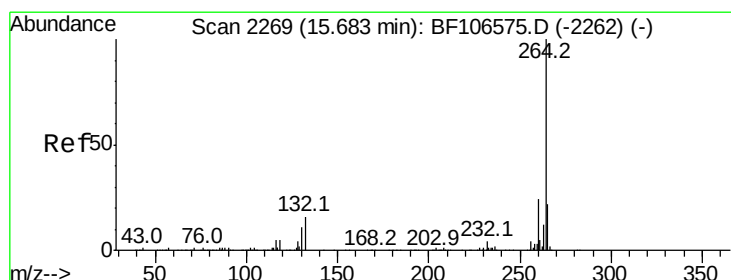
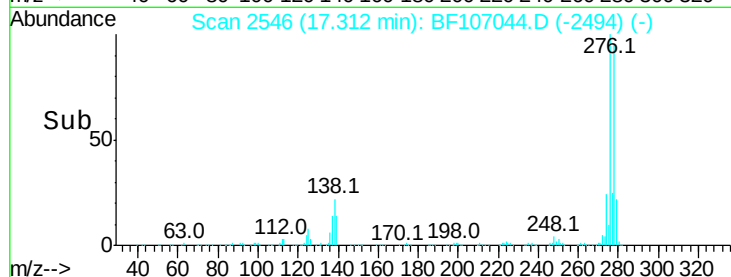
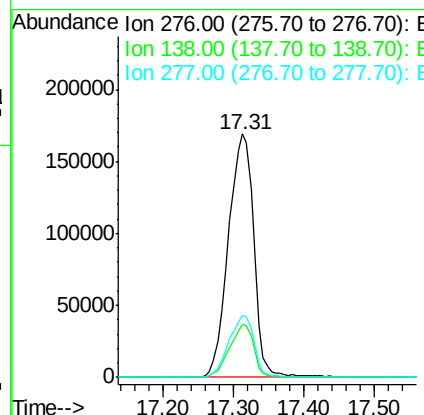
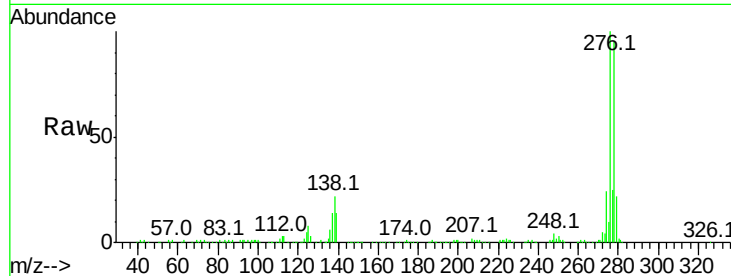
#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 43.088 ng  
 RT: 17.31 min Scan# 2546  
 Delta R.T. 0.01 min  
 Lab File: BF107044.D  
 Acq: 2 Jul 2018 15:09

Instrument :  
 BNA\_F  
 ClientSampleId :  
 JCSA-302MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 20.7  | 25.0  | 37.6# |
| 277     | 25.5  | 20.1  | 30.1  |

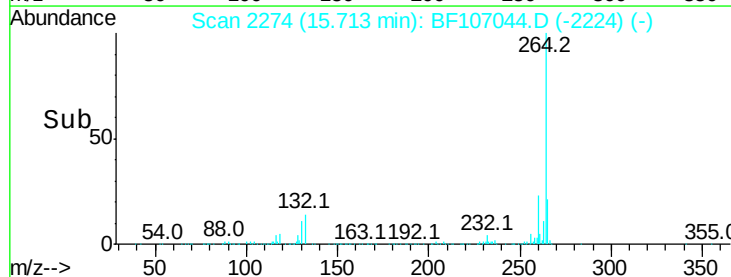
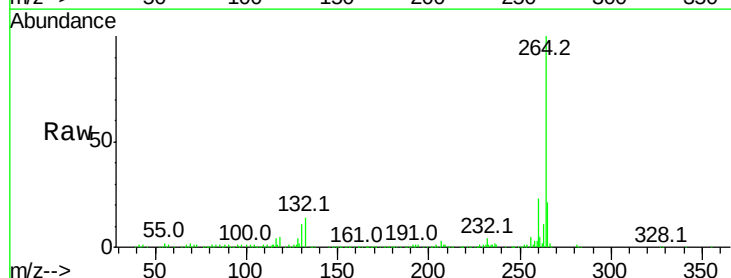
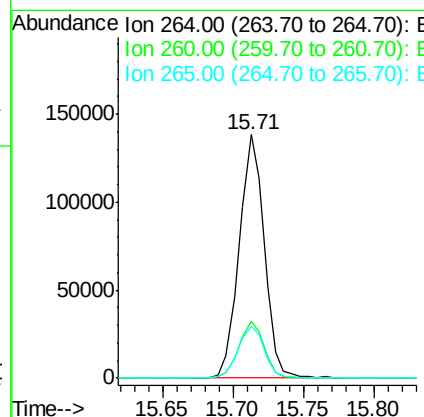
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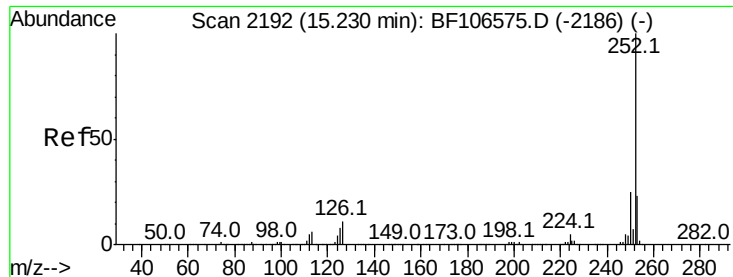
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#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.71 min Scan# 2274  
 Delta R.T. -0.01 min  
 Lab File: BF107044.D  
 Acq: 2 Jul 2018 15:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.5  | 19.2  | 28.8  |
| 265     | 21.3  | 17.5  | 26.3  |





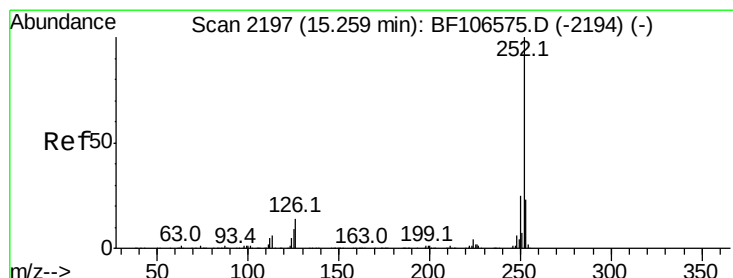
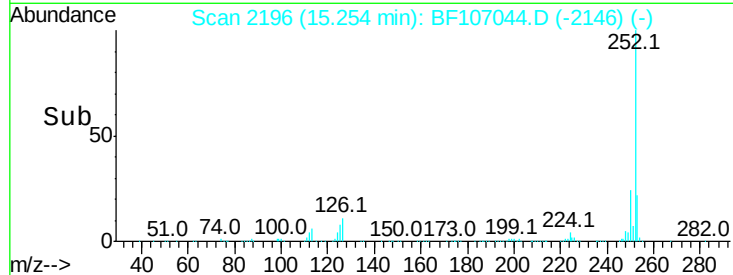
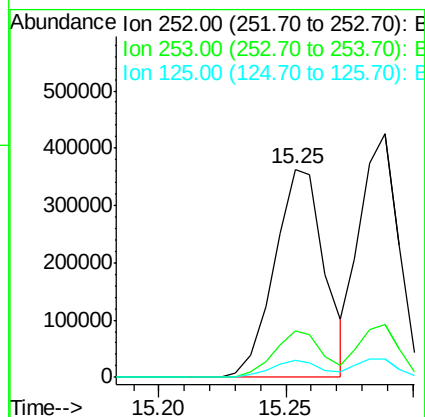
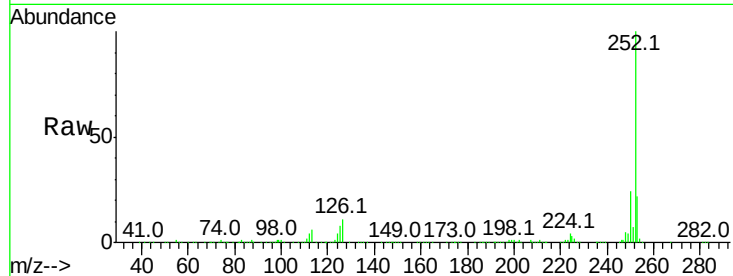
#87  
Benzo(b)fluoranthene  
Concen: 46.832 ng  
RT: 15.25 min Scan# 2196  
Delta R.T. -0.01 min  
Lab File: BF107044.D  
Acq: 2 Jul 2018 15:09

Instrument :  
BNA\_F  
ClientSampleId :  
JCSA-302MS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 252     | 100   |            |       |
| 253     | 22.1  | 17.0       | 25.6  |
| 125     | 8.4   | 9.0        | 13.6# |

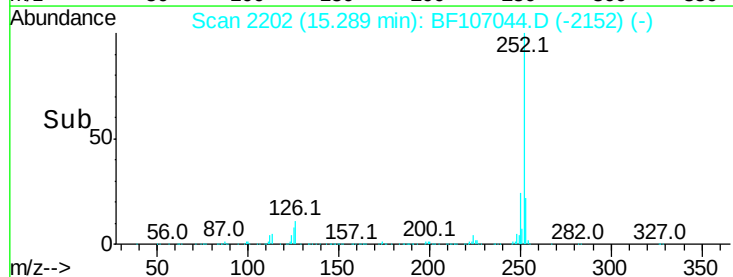
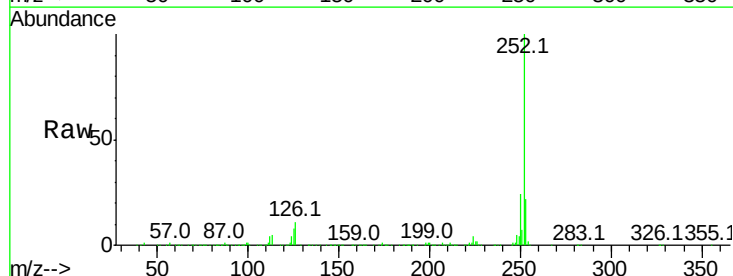
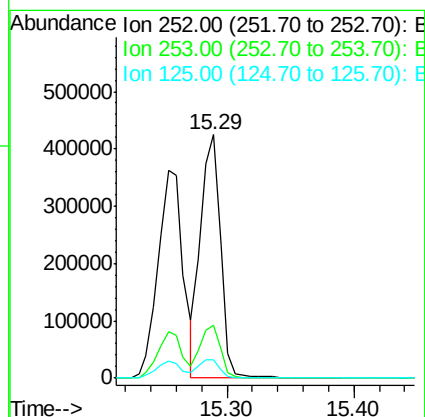
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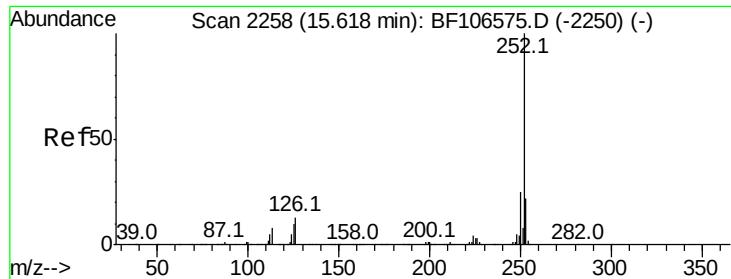


#88  
Benzo(k)fluoranthene  
Concen: 45.254 ng  
RT: 15.29 min Scan# 2202  
Delta R.T. -0.01 min  
Lab File: BF107044.D  
Acq: 2 Jul 2018 15:09

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 252     | 100   |            |       |
| 253     | 21.6  | 17.9       | 26.9  |
| 125     | 7.8   | 10.2       | 15.2# |







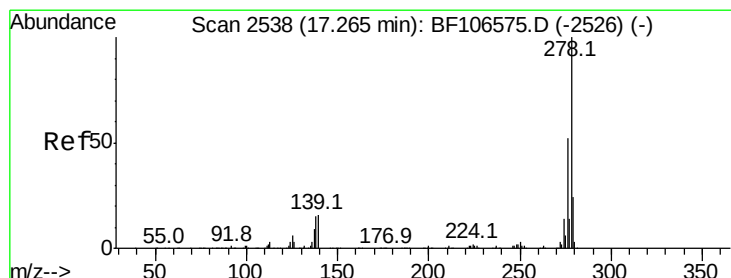
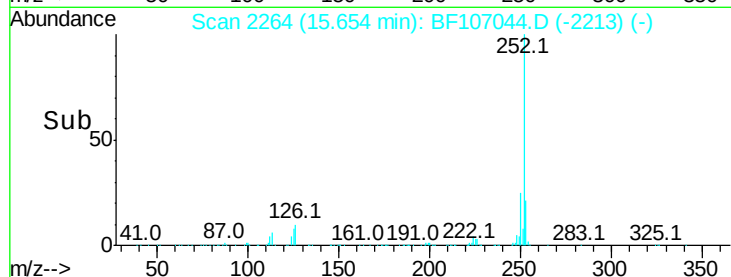
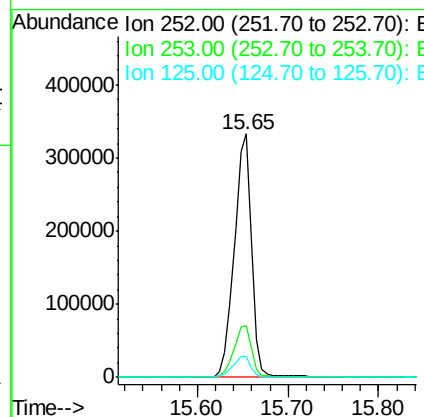
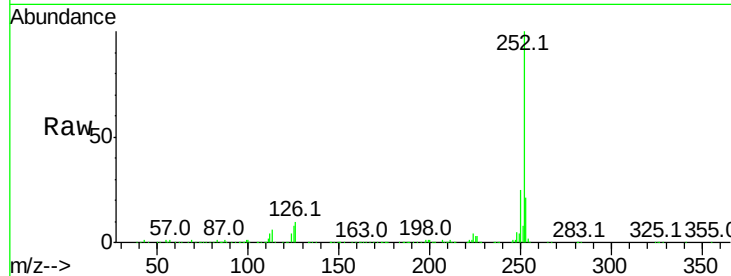
#89  
Benzo(a)pyrene  
Concen: 46.907 ng  
RT: 15.65 min Scan# 2264  
Delta R.T. 0.00 min  
Lab File: BF107044.D  
Acq: 2 Jul 2018 15:09

Instrument :  
BNA\_F  
ClientSampleId :  
JCSA-302MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.5  | 17.1  | 25.7  |
| 125     | 8.3   | 9.8   | 14.6  |

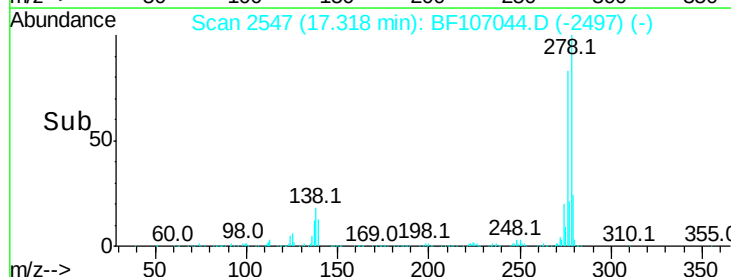
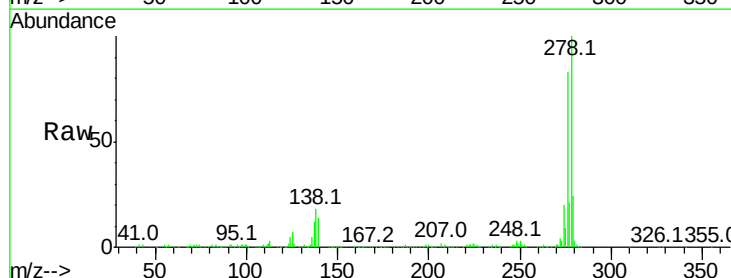
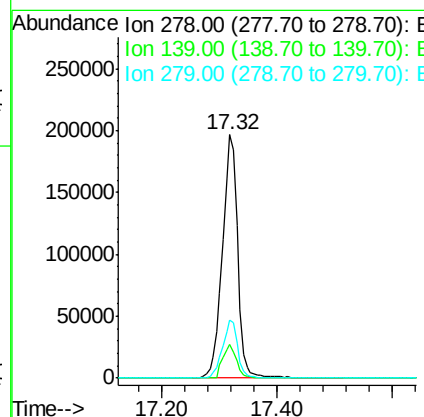
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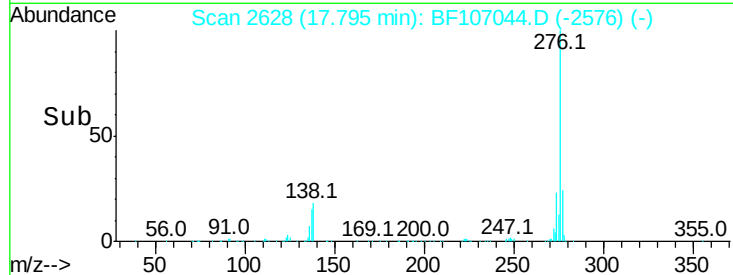
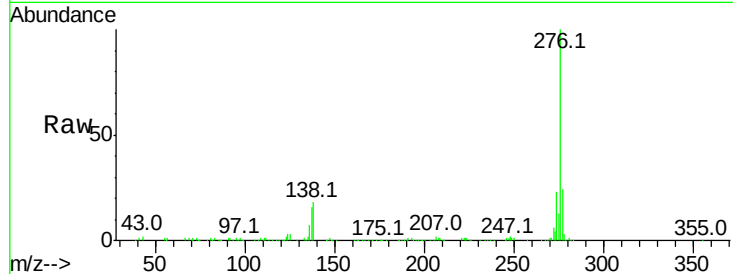
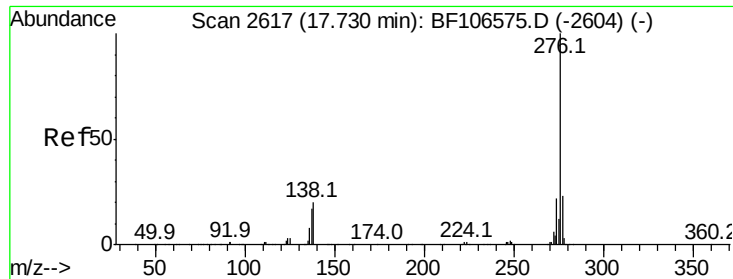
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#90  
Dibenzo(a,h)anthracene  
Concen: 45.024 ng  
RT: 17.32 min Scan# 2547  
Delta R.T. -0.01 min  
Lab File: BF107044.D  
Acq: 2 Jul 2018 15:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 13.6  | 15.9  | 23.9  |
| 279     | 23.8  | 19.0  | 28.4  |





#91  
 Benzo(a,h,i)perylene  
 Concen: 43.832 ng  
 RT: 17.79 min Scan# 2628  
 Delta R.T. 0.01 min  
 Lab File: BF107044.D  
 Acq: 2 Jul 2018 15:09

Instrument :  
 BNA\_F  
 ClientSampleId :  
 JCSA-302MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.6  | 17.9  | 26.9  |
| 138     | 17.7  | 21.8  | 32.8  |

Manual Integrations  
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