

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF110417\  
 Data File : BF100176.D  
 Acq On : 4 Nov 2017 14:16  
 Operator : SJ/JU  
 Sample : I6099-01MS  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ERM-P-1MS

Manual Integrations  
 APPROVED

Sohil  
 11/6/2017 2:26:08 PM

Quant Time: Nov 06 01:10:37 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 03 15:46:10 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.76  | 152  | 87078    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.05  | 136  | 370560   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.80  | 164  | 173352   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10      | 11.29 | 188  | 297695   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.94 | 240  | 152677   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.40 | 264  | 146885   | 20.00 | ng    | -0.01    |

## System Monitoring Compounds

|                          |       |     |        |        |    |       |
|--------------------------|-------|-----|--------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.40  | 112 | 639931 | 115.38 | ng | 0.00  |
| 7) Phenol-d6             | 6.42  | 99  | 748578 | 113.82 | ng | 0.00  |
| 23) Nitrobenzene-d5      | 7.34  | 82  | 420476 | 73.05  | ng | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.60 | 330 | 168889 | 106.91 | ng | -0.01 |
| 44) 2-Fluorobiphenyl     | 9.12  | 172 | 749168 | 66.68  | ng | -0.01 |
| 78) Terphenyl-d14        | 12.87 | 244 | 555584 | 79.52  | ng | -0.01 |

## Target Compounds

|                                |      |     |         |        |    | Qvalue |
|--------------------------------|------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.53 | 88  | 75996   | 31.028 | ng | # 89   |
| 3) Pyridine                    | 3.30 | 79  | 172104  | 29.220 | ng | # 85   |
| 4) n-Nitrosodimethylamine      | 3.25 | 42  | 70210   | 33.366 | ng | # 69   |
| 6) Aniline                     | 6.44 | 93  | 210076  | 24.636 | ng | # 48   |
| 8) 2-Chlorophenol              | 6.56 | 128 | 245196  | 41.479 | ng | 90     |
| 9) Benzaldehyde                | 6.33 | 77  | 92510   | 23.540 | ng | 86     |
| 10) Phenol                     | 6.43 | 94  | 294925  | 40.844 | ng | 91     |
| 11) bis(2-Chloroethyl)ether    | 6.50 | 93  | 225565  | 40.453 | ng | 94     |
| 12) 1,3-Dichlorobenzene        | 6.70 | 146 | 252837m | 38.093 | ng |        |
| 13) 1,4-Dichlorobenzene        | 6.78 | 146 | 260523  | 38.674 | ng | 98     |
| 14) 1,2-Dichlorobenzene        | 6.93 | 146 | 240146  | 39.115 | ng | 96     |
| 15) Benzyl Alcohol             | 6.93 | 79  | 170508  | 40.767 | ng | 93     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.04 | 45  | 271051  | 43.760 | ng | # 12   |
| 17) 2-Methylphenol             | 7.04 | 107 | 196410  | 39.721 | ng | # 93   |
| 18) Hexachloroethane           | 7.26 | 117 | 83608   | 37.201 | ng | 97     |
| 19) n-Nitroso-di-n-propylamine | 7.19 | 70  | 151090  | 39.203 | ng | # 88   |
| 20) 3+4-Methylphenols          | 7.20 | 107 | 267050  | 46.383 | ng | 98     |
| 22) Acetophenone               | 7.19 | 105 | 324569  | 38.468 | ng | # 91   |
| 24) Nitrobenzene               | 7.36 | 77  | 225610  | 38.902 | ng | 91     |
| 25) Isophorone                 | 7.59 | 82  | 434114  | 41.565 | ng | 97     |
| 26) 2-Nitrophenol              | 7.67 | 139 | 138918  | 41.822 | ng | # 84   |
| 27) 2,4-Dimethylphenol         | 7.72 | 122 | 220094  | 44.971 | ng | 93     |
| 28) bis(2-Chloroethoxy)methane | 7.80 | 93  | 289907  | 39.634 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 7.92 | 162 | 221617  | 43.590 | ng | 96     |
| 30) 1,2,4-Trichlorobenzene     | 7.99 | 180 | 211119  | 38.864 | ng | 98     |
| 31) Naphthalene                | 8.07 | 128 | 692980  | 38.742 | ng | 100    |
| 32) Benzoic acid               | 7.85 | 122 | 15007   | 3.484  | ng | 92     |
| 33) 4-Chloroaniline            | 8.13 | 127 | 125680  | 17.015 | ng | 95     |
| 34) Hexachlorobutadiene        | 8.17 | 225 | 106014  | 37.941 | ng | 99     |
| 35) Caprolactam                | 8.52 | 113 | 64900m  | 40.592 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 8.63 | 107 | 212973  | 41.041 | ng | 93     |
| 37) 2-Methylnaphthalene        | 8.76 | 142 | 486730  | 40.605 | ng | 97     |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.93 | 216 | 204434  | 36.514 | ng | # 97   |
| 40) Hexachlorocyclopentadiene  | 8.90 | 237 | 36378   | 41.609 | ng | 96     |

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF110417\  
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 Sample : I6099-01MS  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ERM-P-1MS

Manual Integrations  
 APPROVED

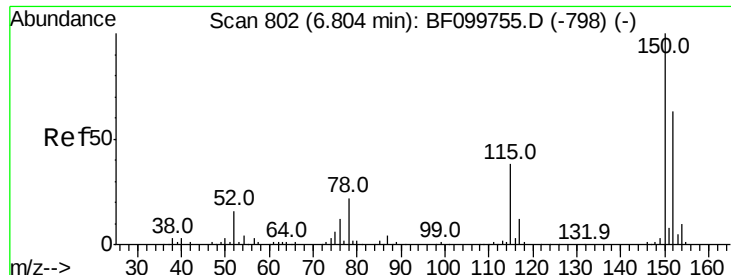
Sohil  
 11/6/2017 2:26:08 PM

Quant Time: Nov 06 01:10:37 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 03 15:46:10 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.05  | 196  | 138474   | 40.888 | nq    | 99       |
| 43) 2,4,5-Trichlorophenol      | 9.10  | 196  | 139327   | 38.768 | nq #  | 92       |
| 45) 1,1'-Biphenyl              | 9.22  | 154  | 574061   | 36.606 | nq    | 98       |
| 46) 2-Chloronaphthalene        | 9.25  | 162  | 448382   | 39.370 | nq    | 96       |
| 47) 2-Nitroaniline             | 9.36  | 65   | 116894   | 39.106 | nq    | 89       |
| 48) Acenaphthylene             | 9.66  | 152  | 659865   | 37.618 | nq    | 99       |
| 49) Dimethylphthalate          | 9.53  | 163  | 687531   | 50.082 | nq    | 100      |
| 50) 2,6-Dinitrotoluene         | 9.60  | 165  | 116979   | 40.534 | nq #  | 91       |
| 51) Acenaphthene               | 9.83  | 154  | 403411   | 37.638 | nq    | 97       |
| 52) 3-Nitroaniline             | 9.78  | 138  | 92031    | 27.064 | nq    | 86       |
| 53) 2,4-Dinitrophenol          | 9.92  | 184  | 16086    | 18.862 | nq #  | 82       |
| 54) Dibenzofuran               | 10.01 | 168  | 609039   | 40.255 | nq    | 98       |
| 55) 4-Nitrophenol              | 9.97  | 139  | 96462    | 54.291 | nq    | 81       |
| 56) 2,4-Dinitrotoluene         | 10.02 | 165  | 157870   | 45.423 | nq #  | 77       |
| 57) Fluorene                   | 10.35 | 166  | 487515   | 38.918 | nq    | 98       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.14 | 232  | 106474   | 42.255 | nq #  | 90       |
| 59) Diethylphthalate           | 10.22 | 149  | 503518   | 37.559 | nq    | 97       |
| 60) 4-Chlorophenyl-phenylether | 10.34 | 204  | 224817   | 38.134 | nq    | 90       |
| 61) 4-Nitroaniline             | 10.40 | 138  | 118728   | 36.596 | nq    | 83       |
| 62) Azobenzene                 | 10.50 | 77   | 451310   | 40.159 | nq    | 90       |
| 64) 4,6-Dinitro-2-methylphenol | 10.44 | 198  | 50565    | 27.021 | nq #  | 70       |
| 65) n-Nitrosodiphenylamine     | 10.46 | 169  | 431295   | 39.247 | nq    | 98       |
| 66) 4-Bromophenyl-phenylether  | 10.83 | 248  | 130774   | 41.727 | nq #  | 89       |
| 67) Hexachlorobenzene          | 10.90 | 284  | 127296   | 39.702 | nq    | 93       |
| 68) Atrazine                   | 10.99 | 200  | 133596   | 40.471 | nq    | 98       |
| 69) Pentachlorophenol          | 11.11 | 266  | 86726    | 63.302 | nq    | 97       |
| 70) Phenanthrene               | 11.32 | 178  | 656334   | 39.067 | nq    | 99       |
| 71) Anthracene                 | 11.37 | 178  | 679202   | 39.828 | nq    | 99       |
| 72) Carbazole                  | 11.53 | 167  | 621822   | 38.775 | nq    | 99       |
| 73) Di-n-butylphthalate        | 11.84 | 149  | 776688   | 37.972 | nq    | 99       |
| 74) Fluoranthene               | 12.51 | 202  | 617497   | 35.368 | nq    | 98       |
| 76) Benzidine                  | 12.63 | 184  | 162870   | 24.379 | nq    | 98       |
| 77) Pyrene                     | 12.74 | 202  | 613995   | 52.887 | nq    | 98       |
| 79) Butylbenzylphthalate       | 13.34 | 149  | 271092   | 47.420 | nq    | 88       |
| 80) Benzo(a)anthracene         | 13.93 | 228  | 378232   | 39.079 | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 13.89 | 252  | 93135    | 26.509 | nq    | 99       |
| 82) Chrysene                   | 13.97 | 228  | 360614   | 39.631 | nq    | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 13.89 | 149  | 347090   | 43.234 | nq    | 100      |
| 84) Di-n-octyl phthalate       | 14.50 | 149  | 496694   | 36.046 | nq #  | 92       |
| 85) Indeno(1,2,3-cd)pyrene     | 16.87 | 276  | 407639   | 48.800 | nq    | 97       |
| 87) Benzo(b)fluoranthene       | 14.98 | 252  | 346789   | 37.389 | nq    | 98       |
| 88) Benzo(k)fluoranthene       | 15.00 | 252  | 316788   | 36.220 | nq    | 97       |
| 89) Benzo(a)pyrene             | 15.34 | 252  | 332938   | 39.961 | nq #  | 96       |
| 90) Dibenzo(a,h)anthracene     | 16.86 | 278  | 347854   | 46.987 | nq    | 97       |
| 91) Benzo(g,h,i)perylene       | 17.30 | 276  | 357189   | 49.315 | nq    | 96       |

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





#1

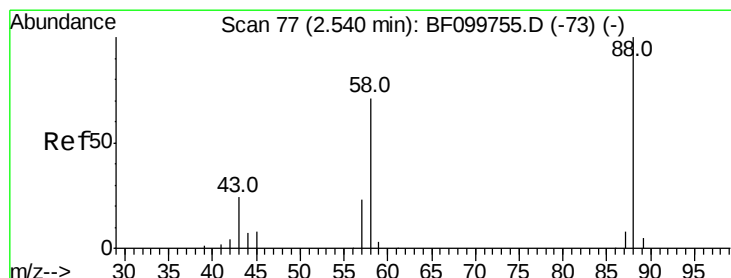
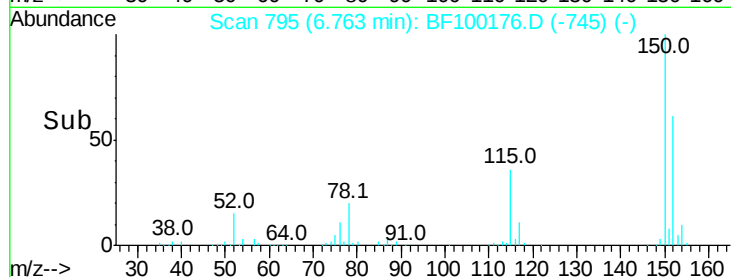
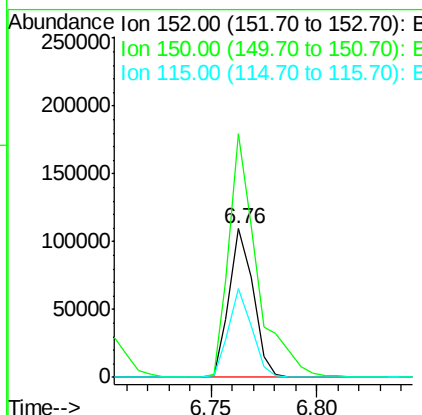
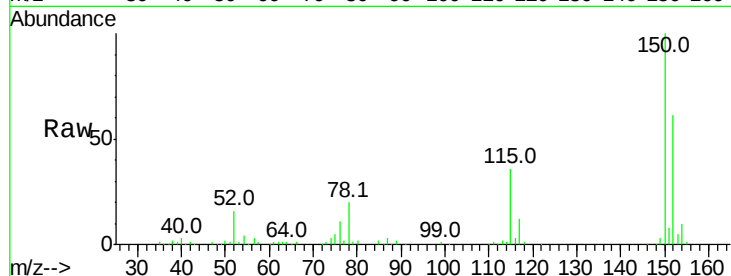
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.76 min Scan# 795  
Delta R.T. -0.01 min  
Lab File: BF100176.D  
Acq: 4 Nov 2017 14:16

Instrument :  
BNA\_F  
ClientSampleId :  
ERM-P-1MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 164.0 | 124.6 | 186.8 |
| 115     | 59.8  | 50.1  | 75.1  |

Manual Integrations  
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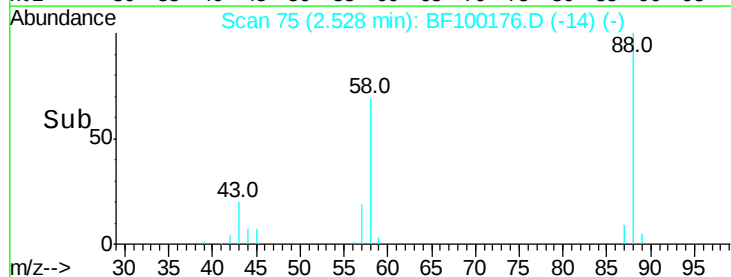
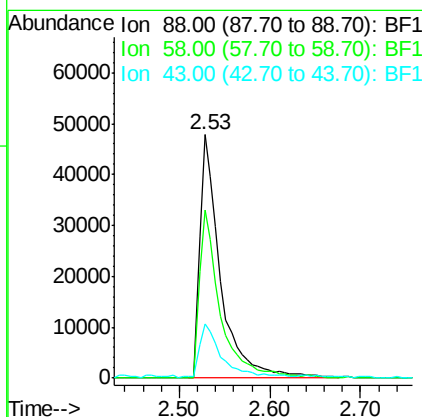
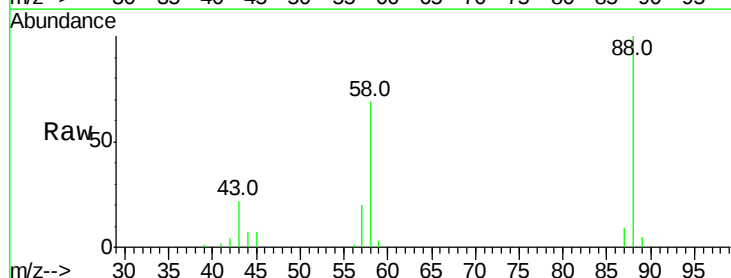
Sohil  
11/6/2017 2:26:08 PM

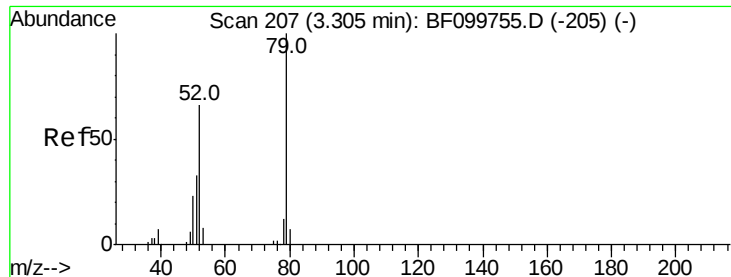


#2

1,4-Dioxane  
Concen: 31.028 ng  
RT: 2.53 min Scan# 75  
Delta R.T. 0.06 min  
Lab File: BF100176.D  
Acq: 4 Nov 2017 14:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 68.9  | 62.6  | 93.8  |
| 43      | 24.1  | 24.6  | 37.0  |





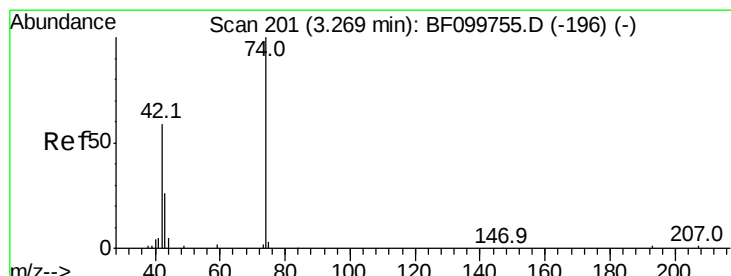
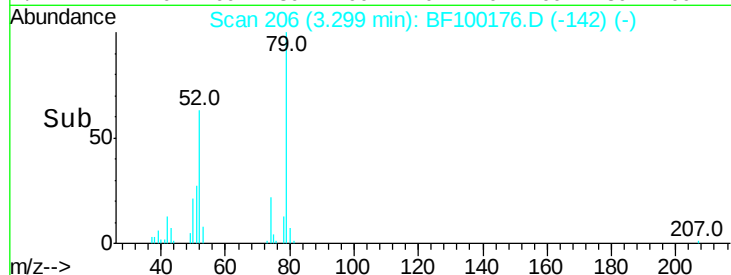
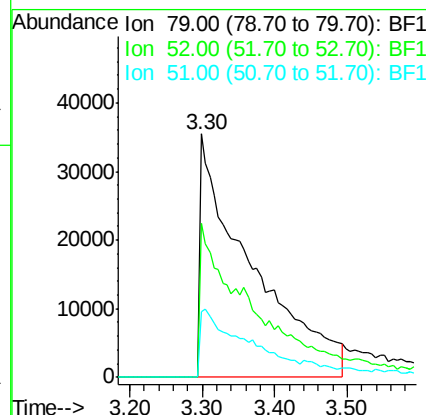
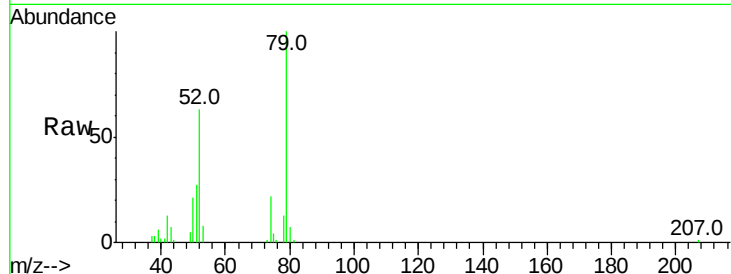
#3  
Pvridine  
Concen: 29.220 ng  
RT: 3.30 min Scan# 206  
Delta R.T. 0.08 min  
Lab File: BF100176.D  
Acq: 4 Nov 2017 14:16

Instrument :  
BNA\_F  
ClientSampleId :  
ERM-P-1MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 52      | 63.3  | 59.8  | 89.6  |
| 51      | 27.1  | 29.8  | 44.8# |

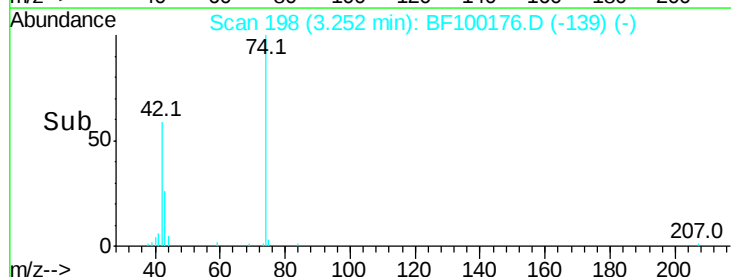
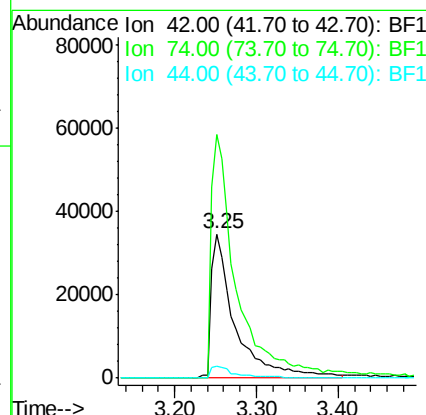
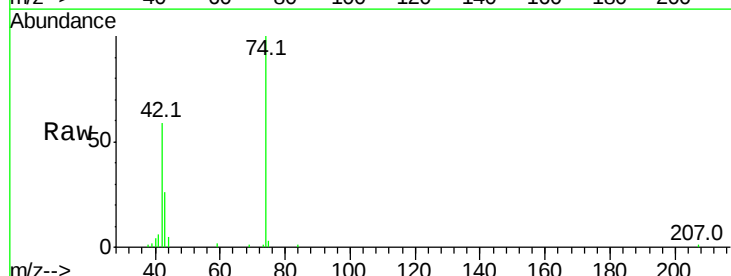
Manual Integrations  
APPROVED

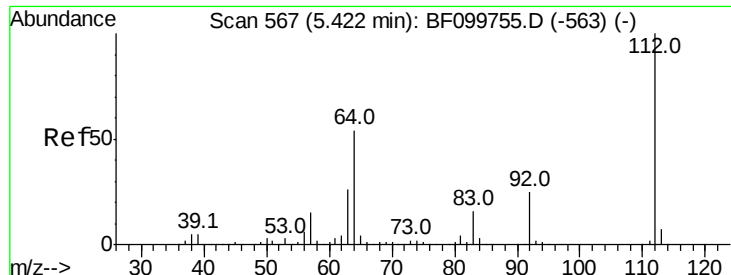
Sohil  
11/6/2017 2:26:08 PM



#4  
n-Nitrosodimethylamine  
Concen: 33.366 ng  
RT: 3.25 min Scan# 198  
Delta R.T. 0.05 min  
Lab File: BF100176.D  
Acq: 4 Nov 2017 14:16

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 42      | 100   |       |        |
| 74      | 169.1 | 104.9 | 157.3# |
| 44      | 7.9   | 6.9   | 10.3   |





#5

2-Fluorophenol

Concen: 115.376 ng

RT: 5.40 min Scan# 563

Delta R.T. 0.01 min

Lab File: BF100176.D

Acq: 4 Nov 2017 14:16

Instrument :

BNA\_F

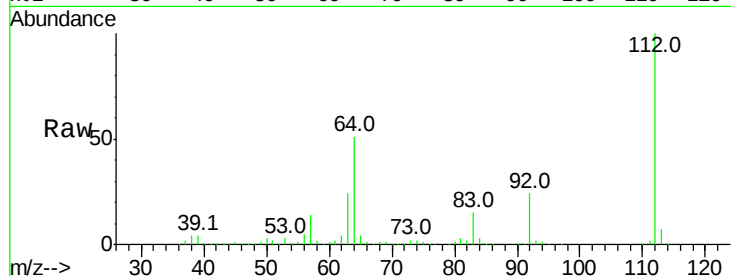
ClientSampled :

ERM-P-1MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 112   | Resp: | 639931 |
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 50.7  | 47.9  | 71.9   |
| 63        | 23.9  | 23.7  | 35.5   |

Manual Integrations  
APPROVED

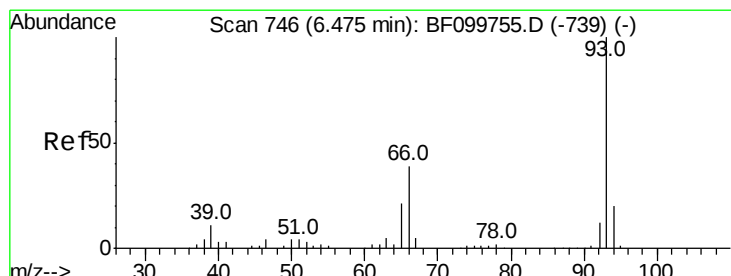
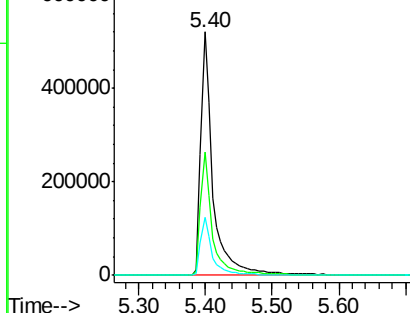
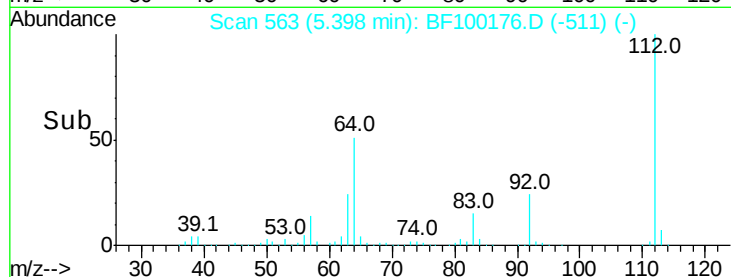
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Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 24.636 ng

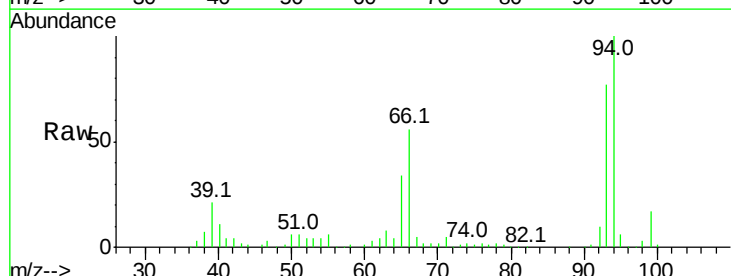
RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF100176.D

Acq: 4 Nov 2017 14:16

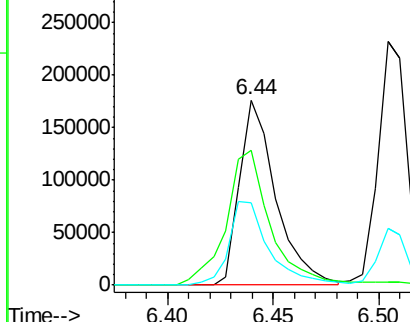
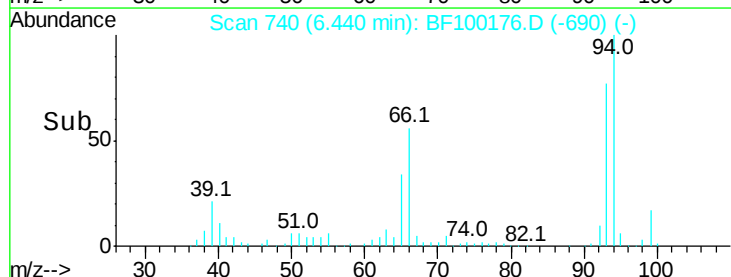
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 93    | Resp: | 210076 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 66        | 72.6  | 32.2  | 48.2#  |
| 65        | 44.5  | 16.4  | 24.6#  |

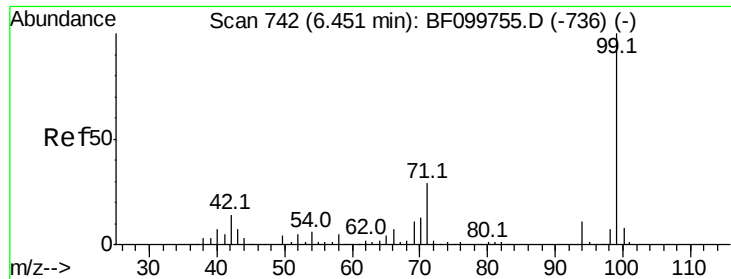


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 113.825 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF100176.D

Acq: 4 Nov 2017 14:16

Instrument :

BNA\_F

ClientSampleId :

ERM-P-1MS

Tot Ion: 99 Resp: 748578

Ion Ratio Lower Upper

99 100

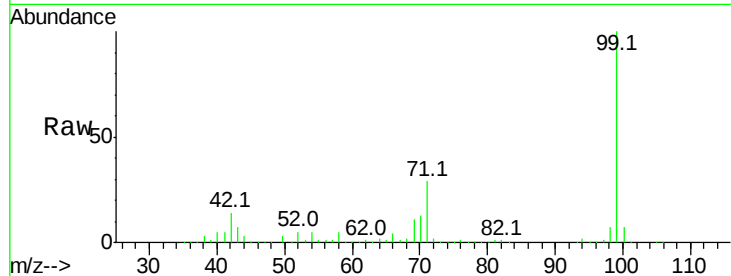
42 13.5 14.5 21.7#

71 29.4 25.4 38.0

Manual Integrations  
APPROVED

Sohil

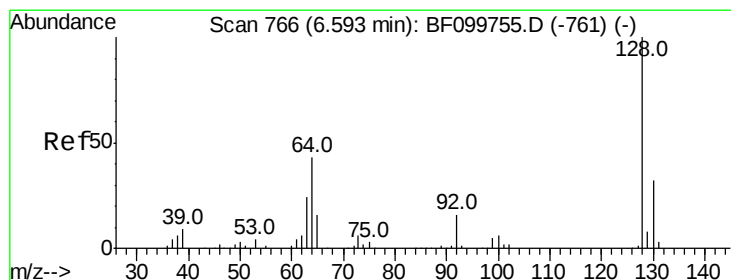
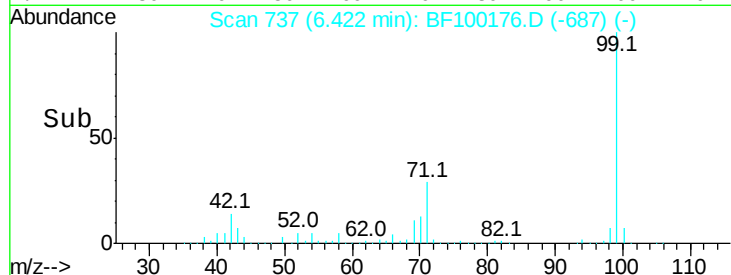
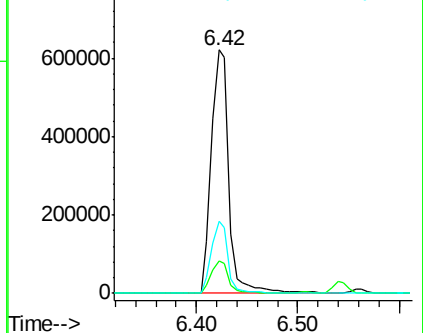
11/6/2017 2:26:08 PM



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 41.479 ng

RT: 6.56 min Scan# 760

Delta R.T. -0.01 min

Lab File: BF100176.D

Acq: 4 Nov 2017 14:16

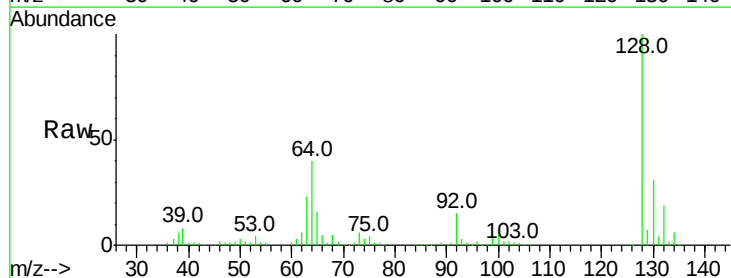
Tgt Ion:128 Resp: 245196

Ion Ratio Lower Upper

128 100

130 30.6 13.0 53.0

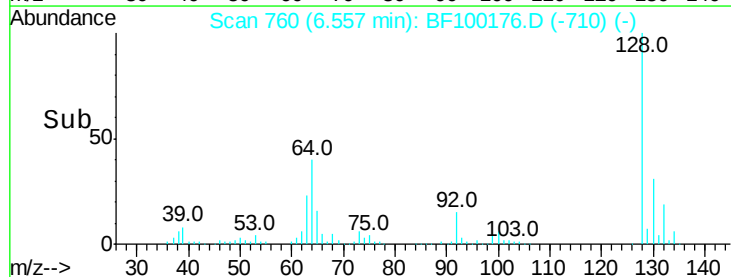
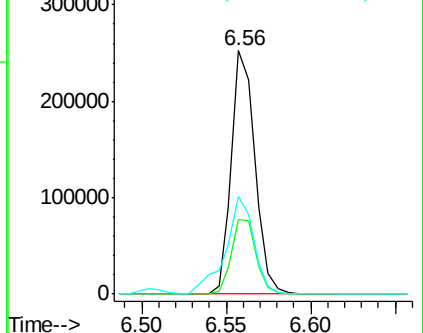
64 40.1 29.4 69.4

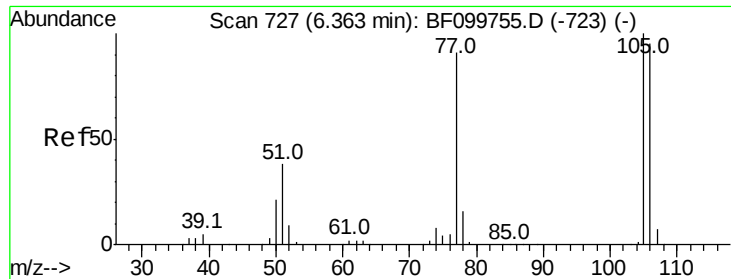


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





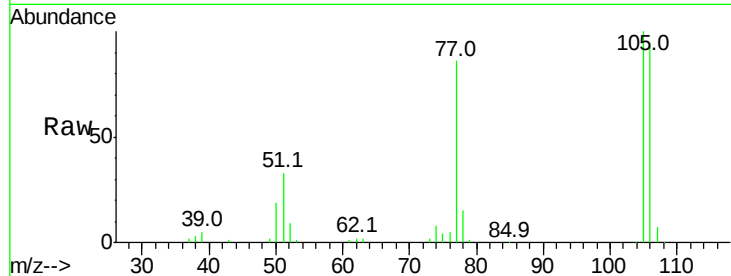
#9  
Benzaldehyde  
Concen: 23.540 ng  
RT: 6.33 min Scan# 722  
Delta R.T. 0.00 min  
Lab File: BF100176.D  
Acq: 4 Nov 2017 14:16

Instrument :  
BNA\_F  
ClientSampleID :  
ERM-P-1MS

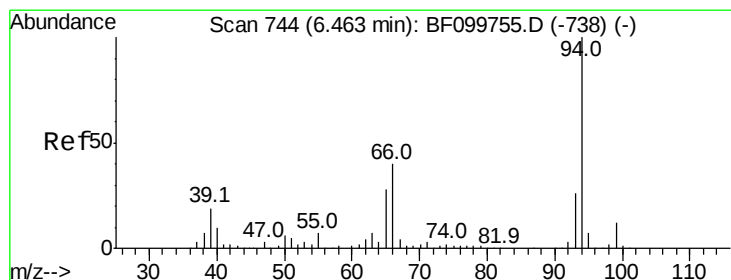
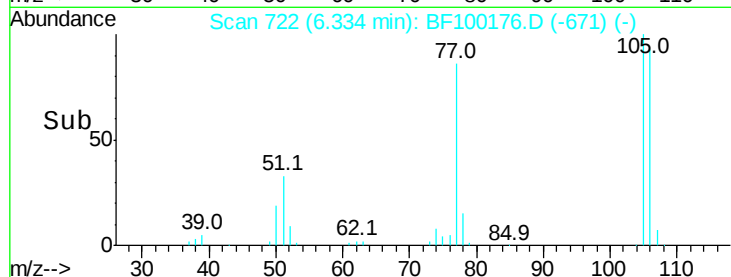
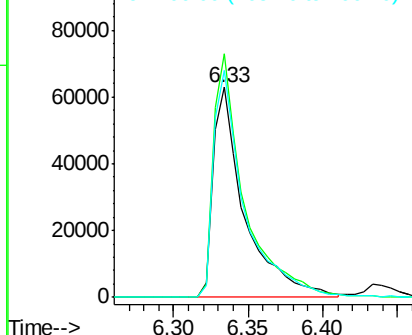
Tot Ion: 77 Resp: 92510  
Ion Ratio Lower Upper  
77 100  
105 115.9 81.1 121.1  
106 108.2 74.5 114.5

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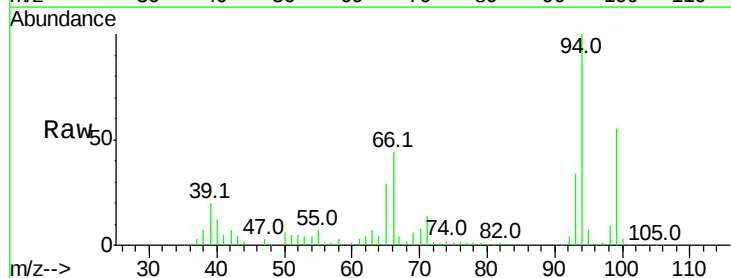


Abundance Ion 77.00 (76.70 to 77.70): BF1  
Ion 105.00 (104.70 to 105.70): BF1  
Ion 106.00 (105.70 to 106.70): BF1

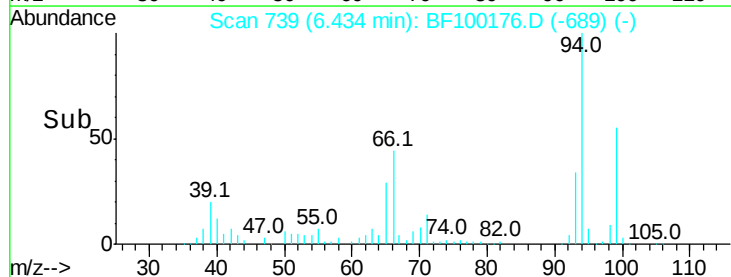
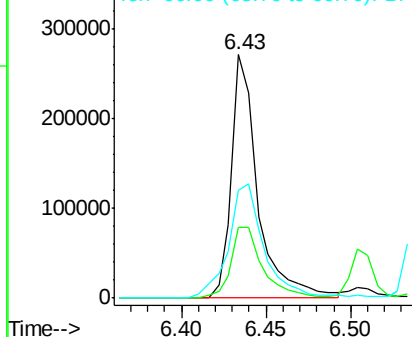


#10  
Phenol  
Concen: 40.844 ng  
RT: 6.43 min Scan# 739  
Delta R.T. -0.01 min  
Lab File: BF100176.D  
Acq: 4 Nov 2017 14:16

Tgt Ion: 94 Resp: 294925  
Ion Ratio Lower Upper  
94 100  
65 29.2 7.9 47.9  
66 44.3 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: 40.453 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF100176.D

Acq: 4 Nov 2017 14:16

Instrument :

BNA\_F

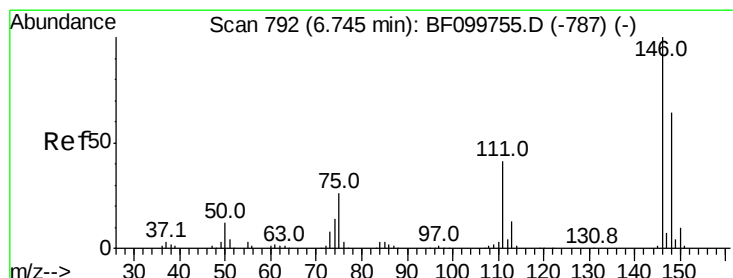
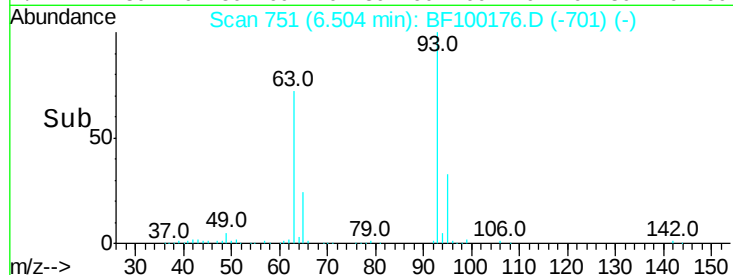
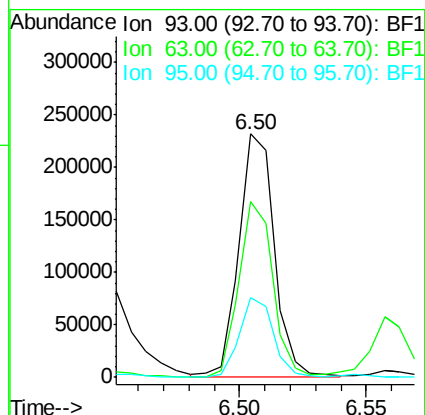
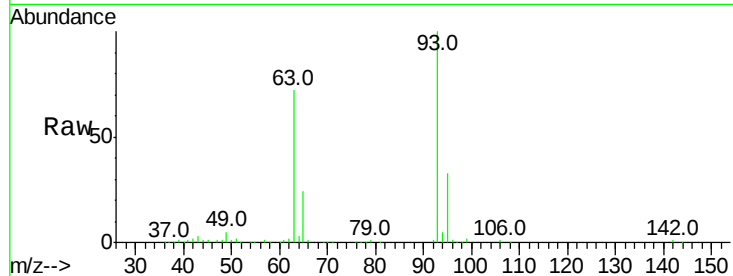
ClientSampleId :

ERM-P-1MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 93    | Resp: | 225565 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 63        | 72.3  | 58.6  | 98.6   |
| 95        | 32.9  | 11.8  | 51.8   |

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#12

1,3-Dichlorobenzene

Concen: 38.093 ng m

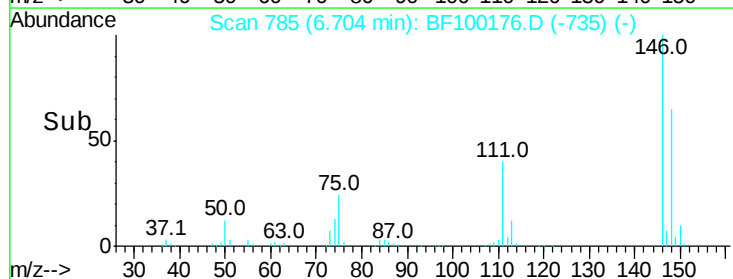
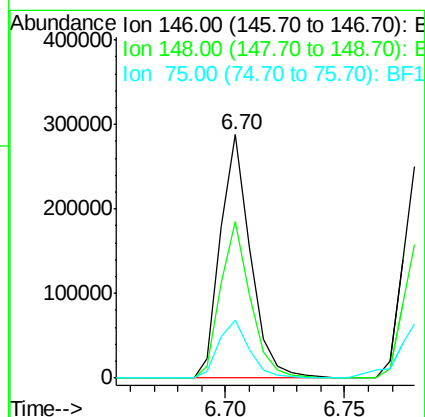
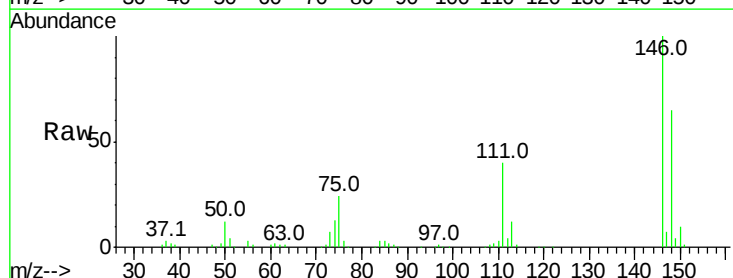
RT: 6.70 min Scan# 785

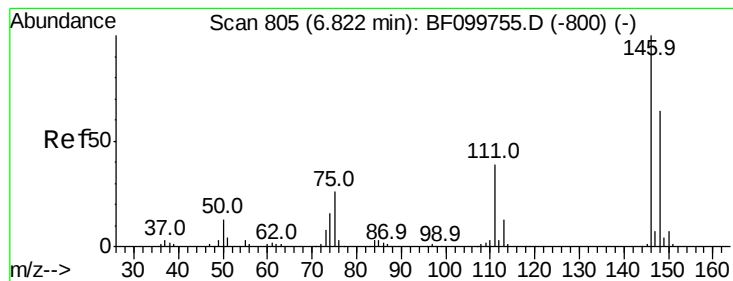
Delta R.T. -0.01 min

Lab File: BF100176.D

Acq: 4 Nov 2017 14:16

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 252837 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 64.5  | 51.8  | 77.8   |
| 75        | 23.7  | 24.2  | 36.4#  |





#13

1,4-Dichlorobenzene

Concen: 38.674 ng

RT: 6.78 min Scan# 798

Delta R.T. -0.01 min

Lab File: BF100176.D

Acq: 4 Nov 2017 14:16

Instrument :

BNA\_F

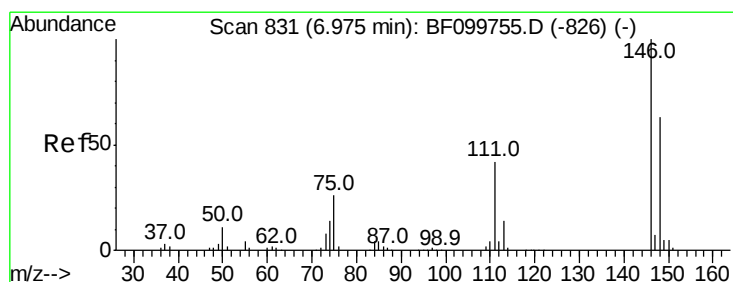
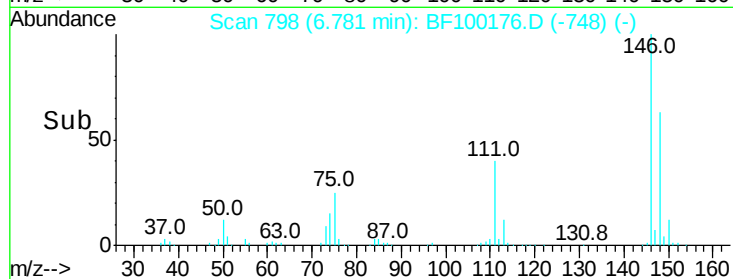
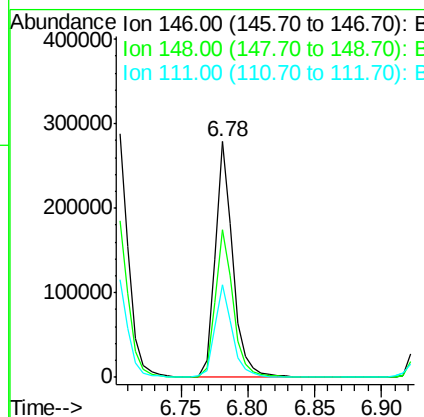
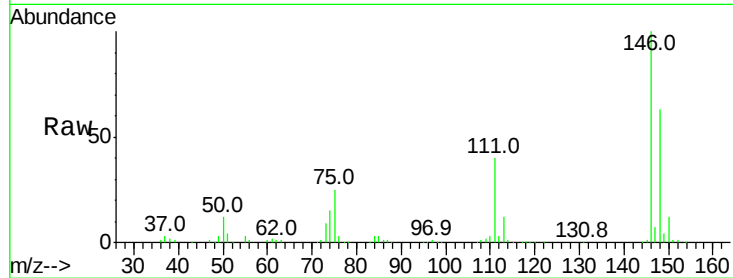
ClientSampleId :

ERM-P-1MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 260523 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 62.9  | 50.8  | 76.2   |
| 111       | 39.5  | 34.2  | 51.2   |

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#14

1,2-Dichlorobenzene

Concen: 39.115 ng

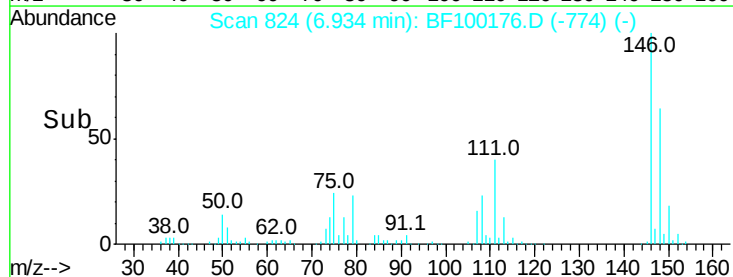
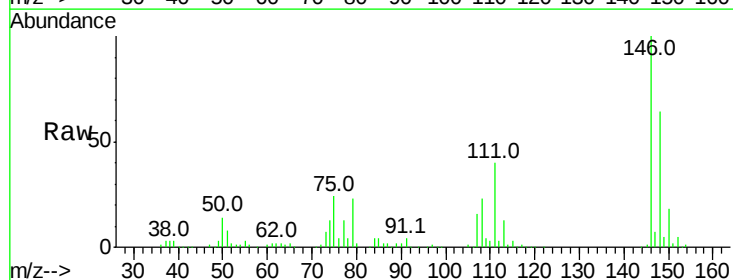
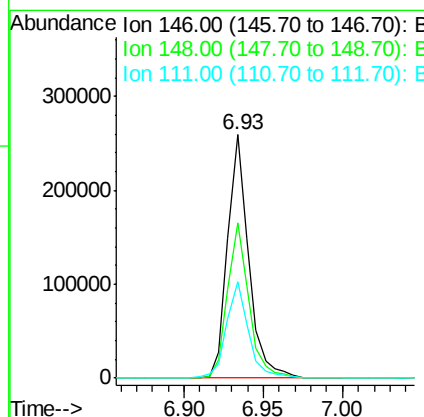
RT: 6.93 min Scan# 824

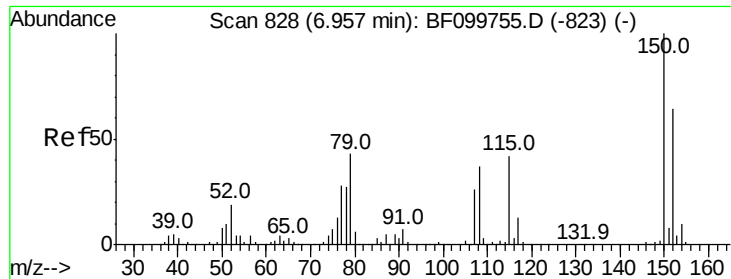
Delta R.T. -0.01 min

Lab File: BF100176.D

Acq: 4 Nov 2017 14:16

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 240146 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 63.8  | 50.6  | 75.8   |
| 111       | 39.8  | 36.0  | 54.0   |





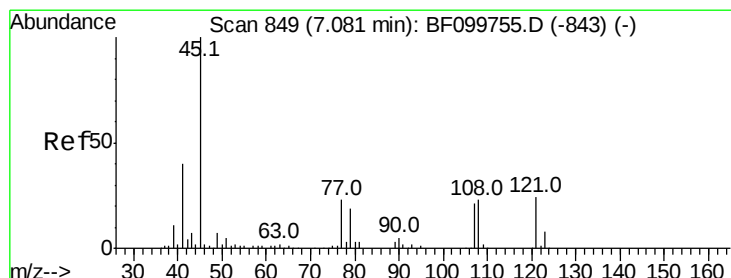
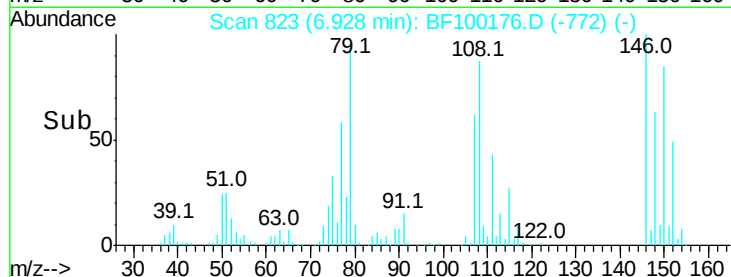
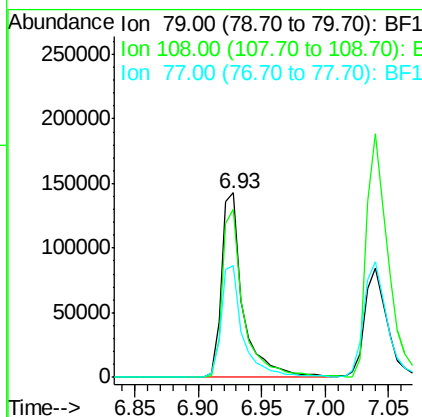
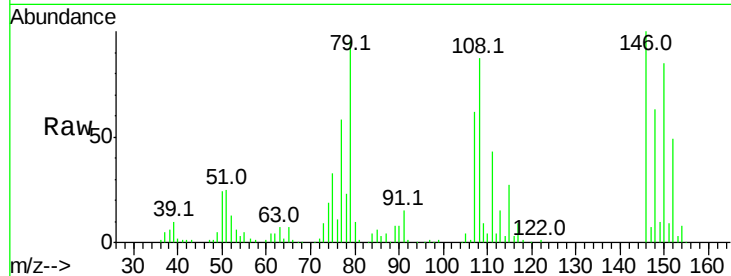
#15  
Benzyl Alcohol  
Concen: 40.767 ng  
RT: 6.93 min Scan# 823  
Delta R.T. 0.00 min  
Lab File: BF100176.D  
Acq: 4 Nov 2017 14:16

Instrument :  
BNA\_F  
ClientSampleId :  
ERM-P-1MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 108     | 90.9  | 65.1  | 97.7  |
| 77      | 60.7  | 50.6  | 75.8  |

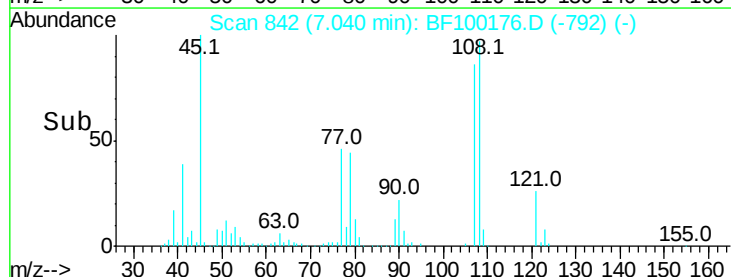
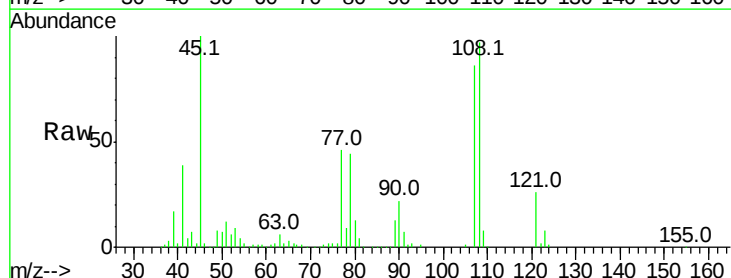
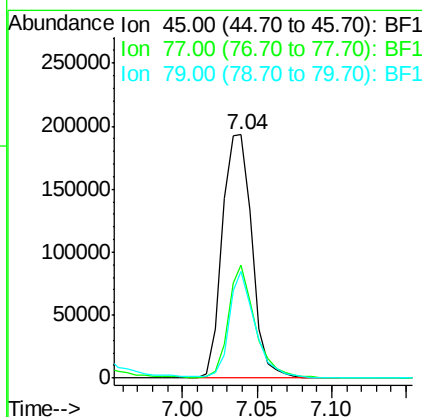
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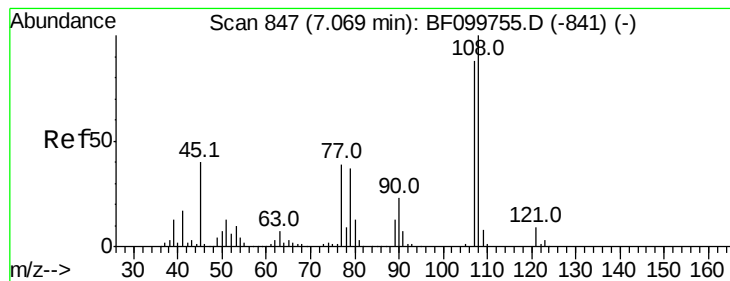
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#16  
2,2'-oxybis(1-chloropropane)  
Concen: 43.760 ng  
RT: 7.04 min Scan# 842  
Delta R.T. -0.01 min  
Lab File: BF100176.D  
Acq: 4 Nov 2017 14:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 77      | 46.5  | 0.0   | 32.9# |
| 79      | 43.6  | 0.0   | 29.6# |





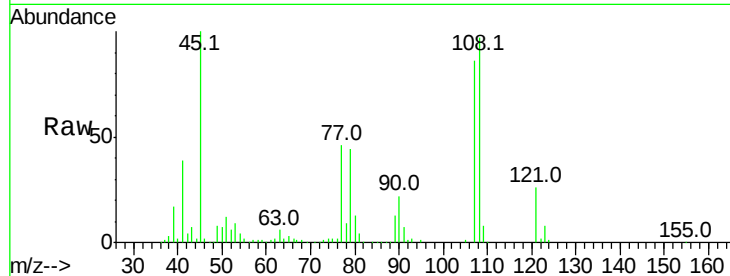
#17  
2-Methylphenol  
Concen: 39.721 ng  
RT: 7.04 min Scan# 842  
Delta R.T. 0.00 min  
Lab File: BF100176.D  
Acq: 4 Nov 2017 14:16

Instrument :  
BNA\_F  
ClientSampleId :  
ERM-P-1MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 107     | 100   | 196410 |       |       |
| 108     | 113.6 | 91.7   | 137.5 |       |
| 77      | 54.1  | 33.8   | 50.8# |       |
| 79      | 50.9  | 33.8   | 50.8# |       |

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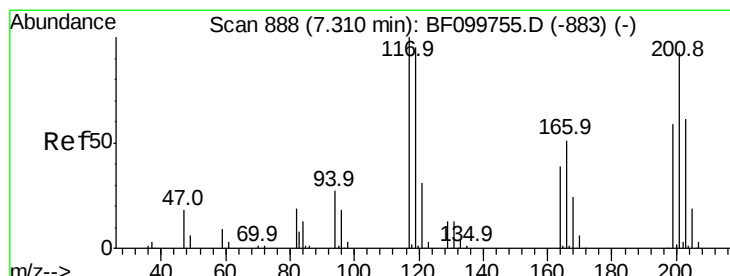
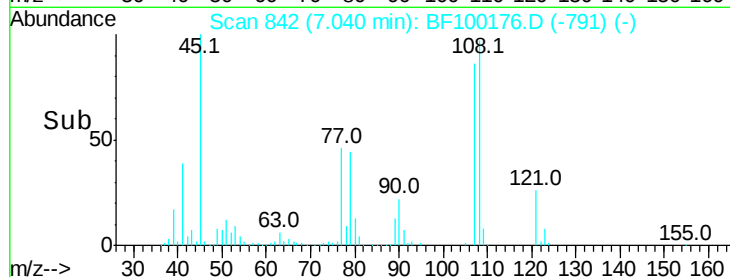
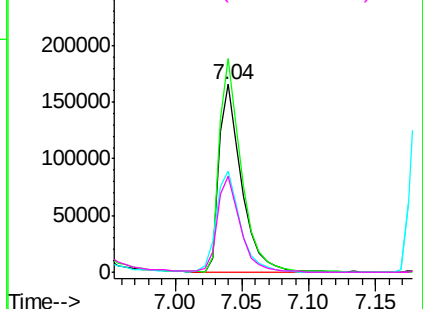
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

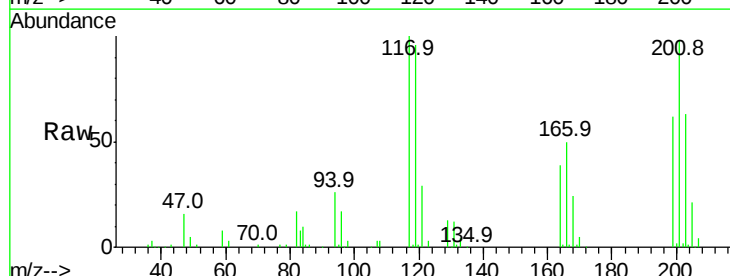
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18  
Hexachloroethane  
Concen: 37.201 ng  
RT: 7.26 min Scan# 880  
Delta R.T. -0.01 min  
Lab File: BF100176.D  
Acq: 4 Nov 2017 14:16

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 117     | 100   | 83608 |       |       |
| 119     | 96.1  | 75.8  | 113.8 |       |
| 201     | 98.3  | 75.7  | 113.5 |       |

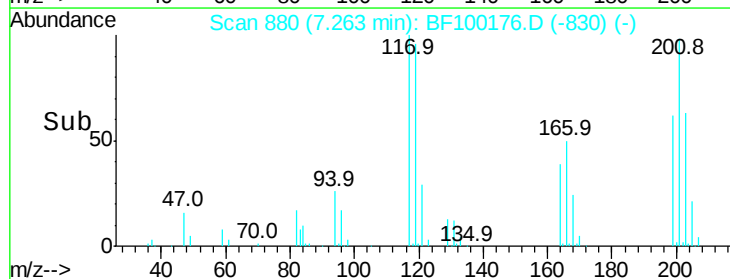
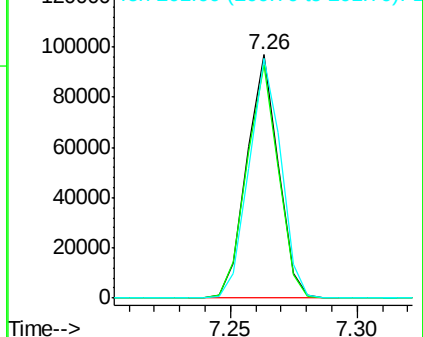


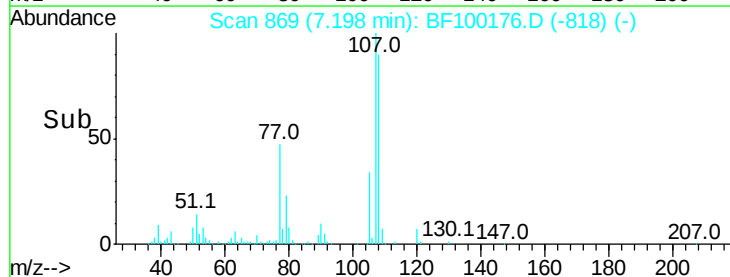
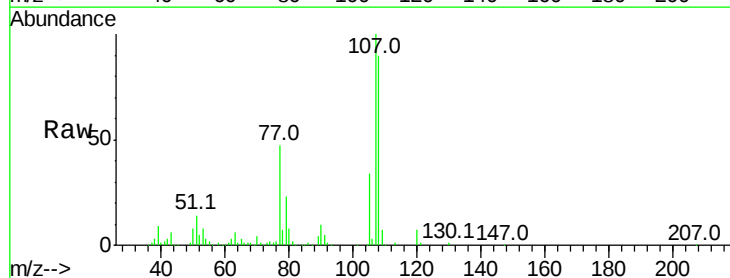
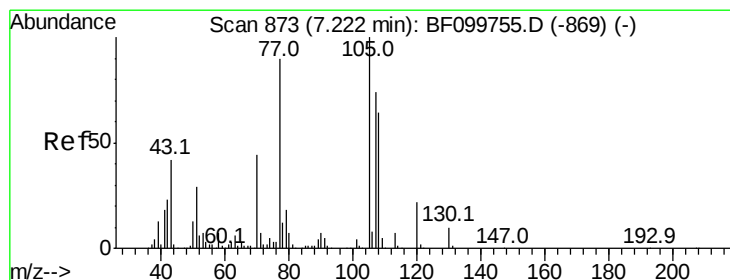
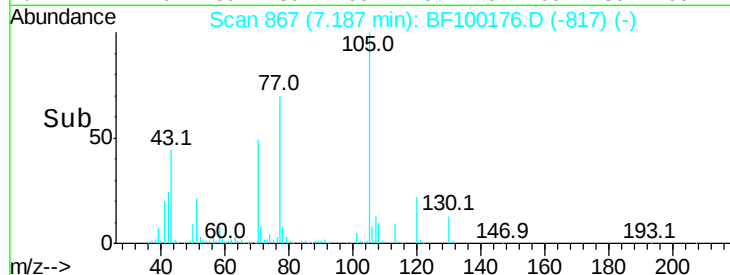
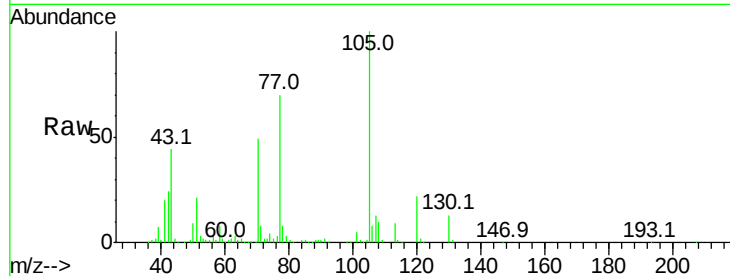
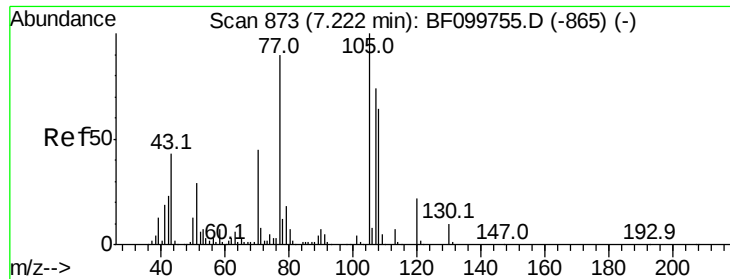
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





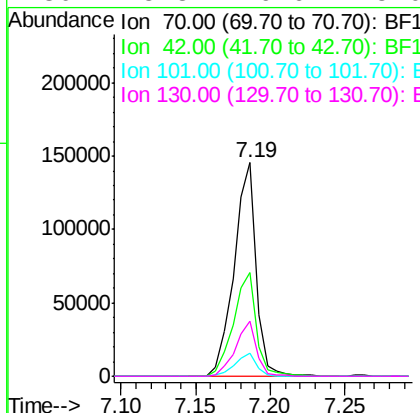
#19  
n-Nitroso-di-n-propylamine  
Concen: 39.203 ng  
RT: 7.19 min Scan# 867  
Delta R.T. -0.01 min  
Lab File: BF100176.D  
Acq: 4 Nov 2017 14:16

Instrument :  
BNA\_F  
ClientSampleId :  
ERM-P-1MS

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 70      | 100  |       |       |       |
| 42      | 48.8 | 47.5  | 71.3  |       |
| 101     | 10.9 | 7.4   | 11.2  |       |
| 130     | 25.8 | 16.6  | 25.0  |       |

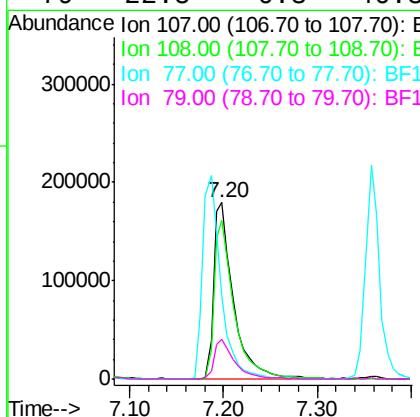
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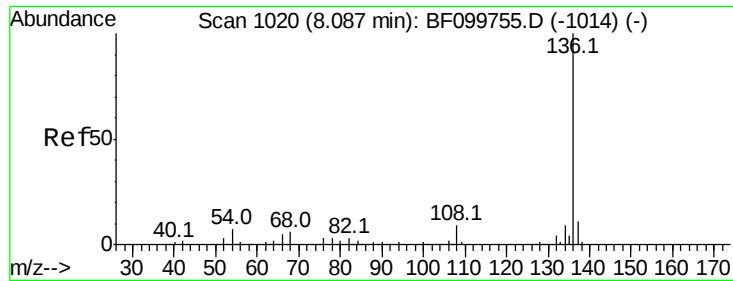
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#20  
3+4-Methylphenols  
Concen: 46.383 ng  
RT: 7.20 min Scan# 869  
Delta R.T. 0.00 min  
Lab File: BF100176.D  
Acq: 4 Nov 2017 14:16

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 107     | 100  |       |       |       |
| 108     | 89.8 | 68.2  | 108.2 |       |
| 77      | 47.4 | 26.7  | 66.7  |       |
| 79      | 22.5 | 6.3   | 46.3  |       |





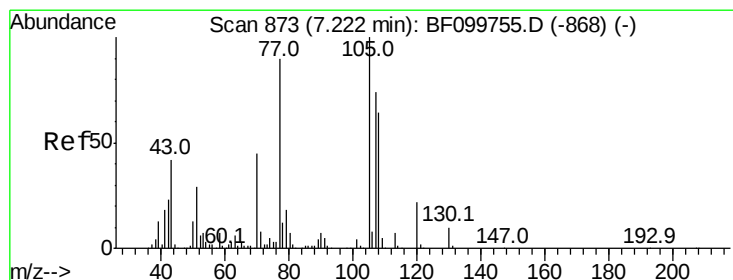
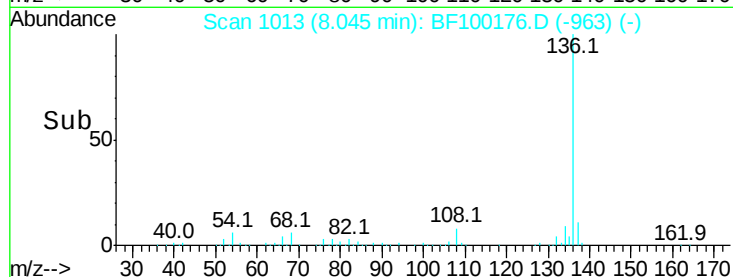
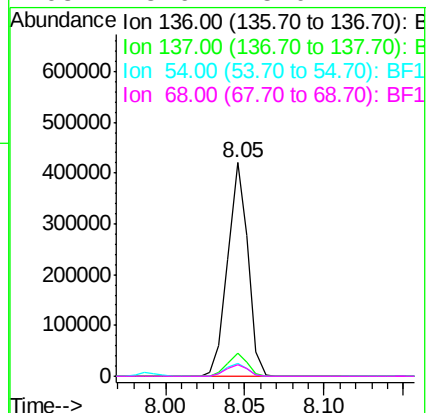
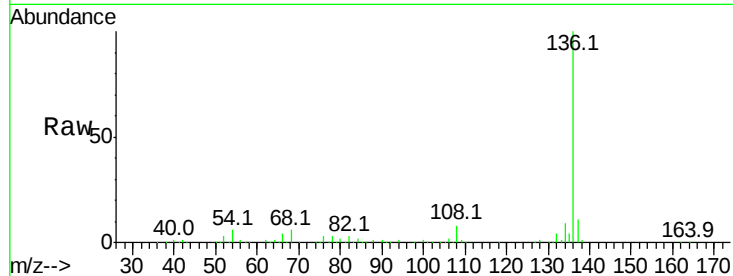
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.05 min Scan# 1013  
Delta R.T. -0.01 min  
Lab File: BF100176.D  
Acq: 4 Nov 2017 14:16

Instrument :  
BNA\_F  
ClientSampleId :  
ERM-P-1MS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 136     | 100   |      |       |       |
| 137     | 11.0  | 8.9  | 13.3  |       |
| 54      | 6.3   | 6.6  | 9.8   |       |
| 68      | 5.6   | 5.0  | 7.4   |       |

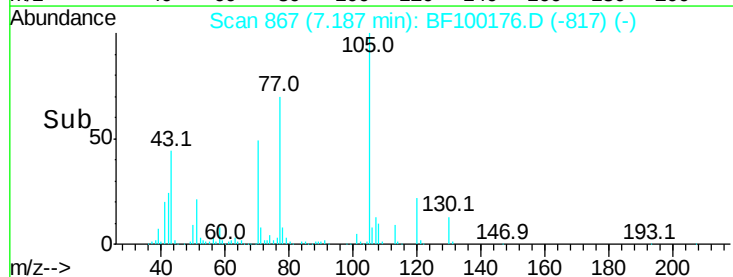
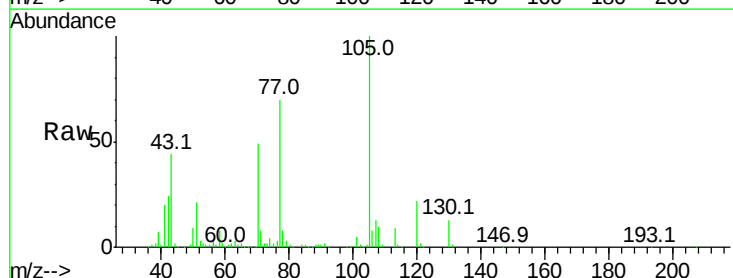
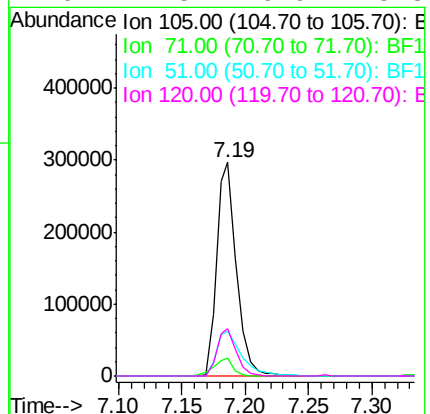
Manual Integrations  
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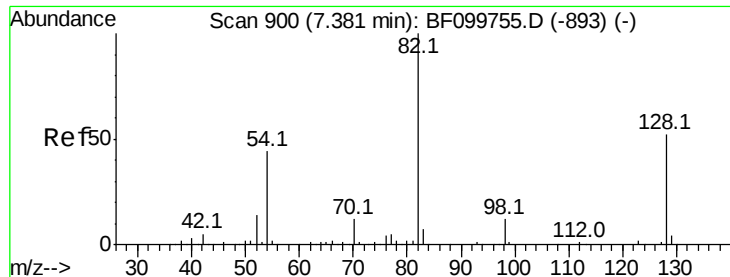
Sohil  
11/6/2017 2:26:08 PM



#22  
Acetophenone  
Concen: 38.468 ng  
RT: 7.19 min Scan# 867  
Delta R.T. -0.01 min  
Lab File: BF100176.D  
Acq: 4 Nov 2017 14:16

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 105     | 100   |      |       |       |
| 71      | 8.4   | 4.4  | 6.6   |       |
| 51      | 21.0  | 22.3 | 33.5  |       |
| 120     | 22.5  | 16.9 | 25.3  |       |





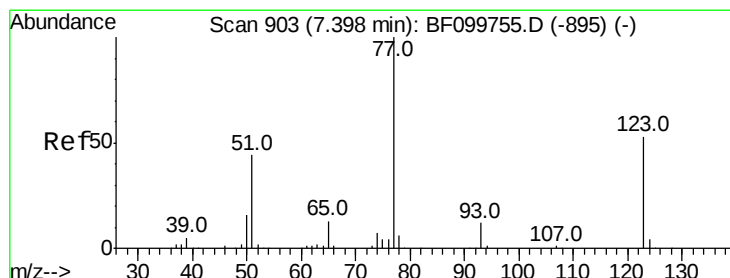
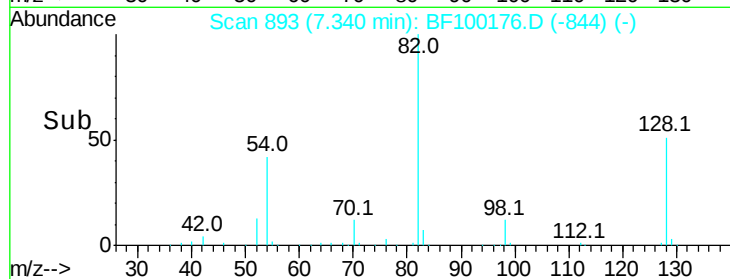
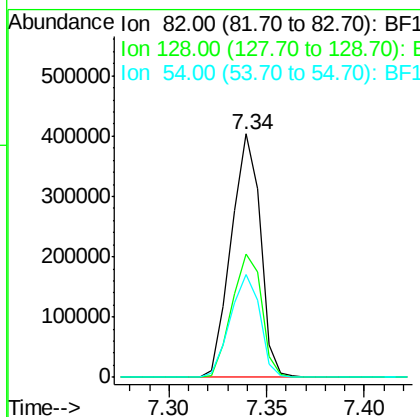
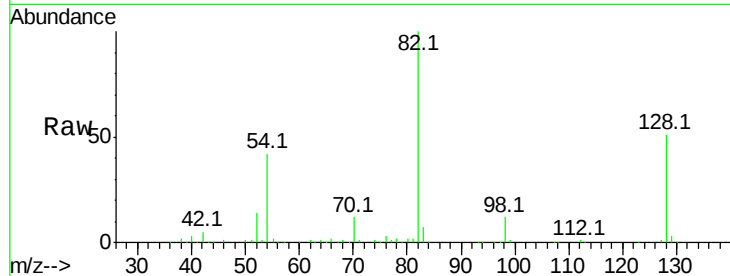
#23  
Nitrobenzene-d5  
Concen: 73.053 ng  
RT: 7.34 min Scan# 893  
Delta R.T. -0.01 min  
Lab File: BF100176.D  
Acq: 4 Nov 2017 14:16

Instrument :  
BNA\_F  
ClientSampled :  
ERM-P-1MS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 82      | 100   |      |       |       |
| 128     | 50.7  | 36.1 | 54.1  |       |
| 54      | 42.2  | 41.4 | 62.2  |       |

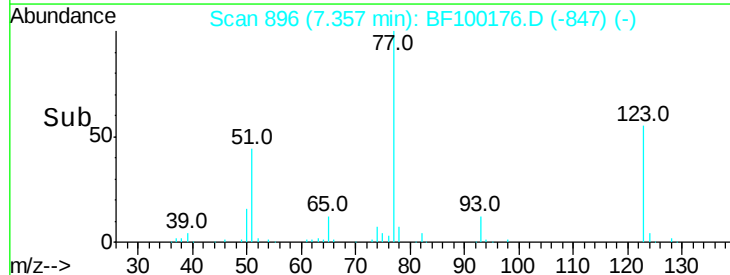
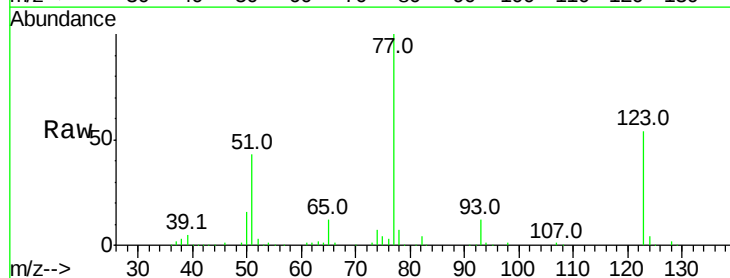
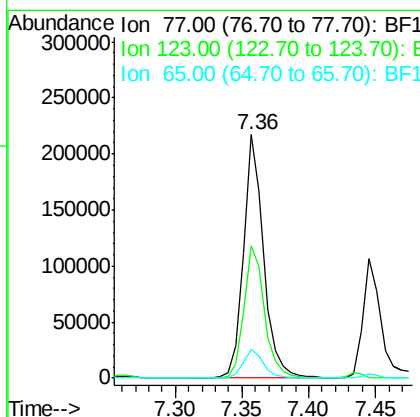
Manual Integrations  
APPROVED

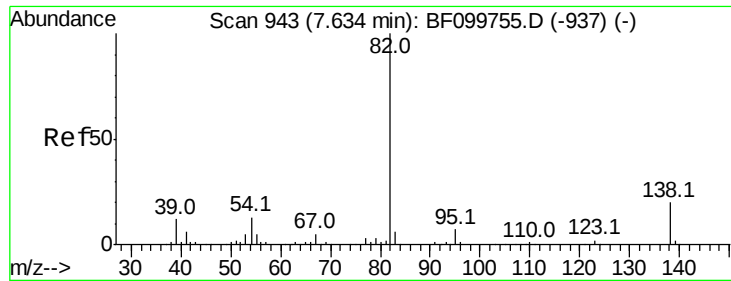
Sohil  
11/6/2017 2:26:08 PM



#24  
Nitrobenzene  
Concen: 38.902 ng  
RT: 7.36 min Scan# 896  
Delta R.T. -0.01 min  
Lab File: BF100176.D  
Acq: 4 Nov 2017 14:16

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 77      | 100   |      |       |       |
| 123     | 54.5  | 37.9 | 56.9  |       |
| 65      | 12.0  | 11.0 | 16.4  |       |





#25

Isophorone

Concen: 41.565 ng

RT: 7.59 min Scan# 936

Delta R.T. -0.01 min

Lab File: BF100176.D

Acq: 4 Nov 2017 14:16

Instrument :

BNA\_F

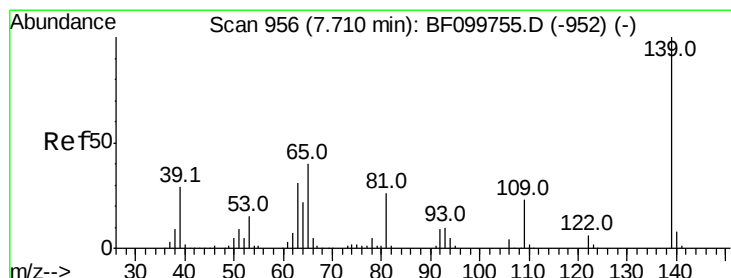
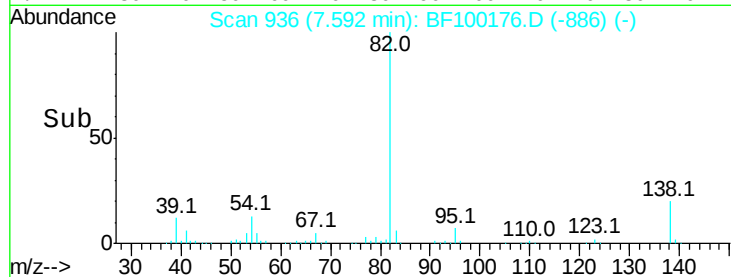
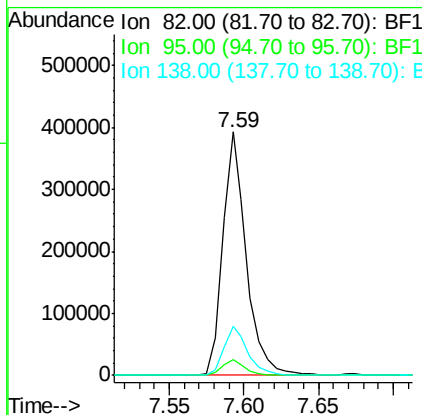
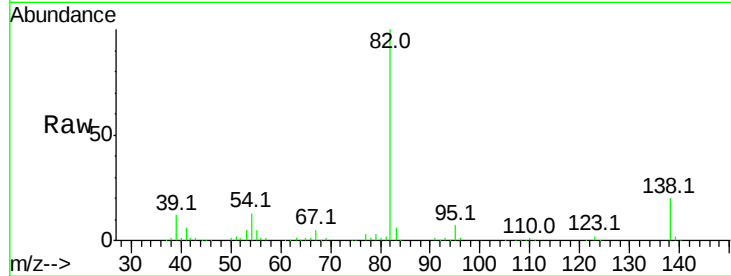
ClientSampled :

ERM-P-1MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 82    | Resp: | 434114 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 6.6   | 5.2   | 7.8    |
| 138       | 20.3  | 14.9  | 22.3   |

Manual Integrations  
APPROVED

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11/6/2017 2:26:08 PM



#26

2-Nitrophenol

Concen: 41.822 ng

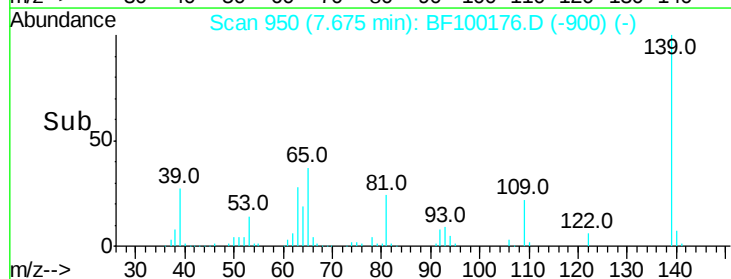
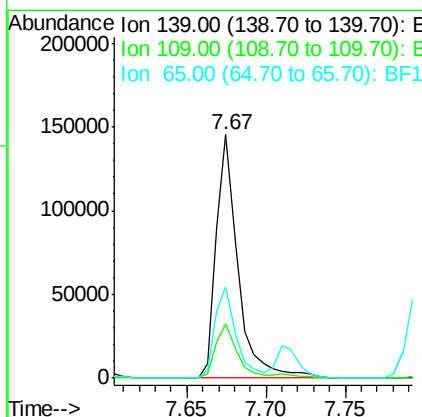
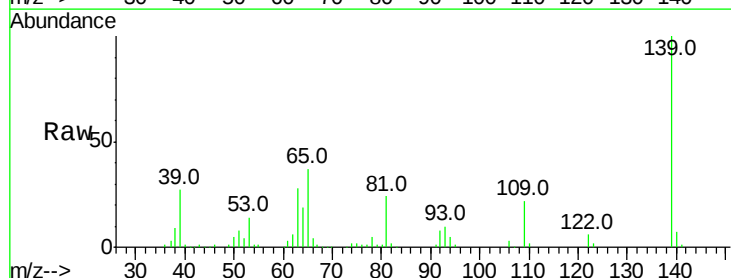
RT: 7.67 min Scan# 950

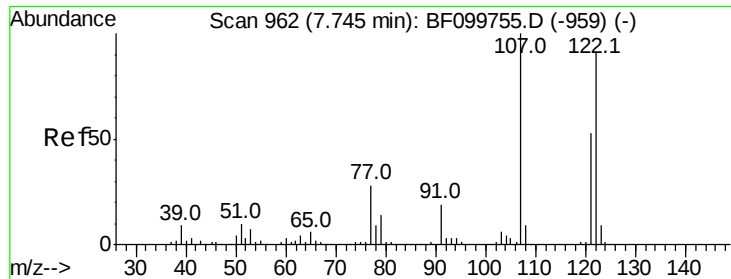
Delta R.T. -0.01 min

Lab File: BF100176.D

Acq: 4 Nov 2017 14:16

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 139   | Resp: | 138918 |
| Ion Ratio | Lower | Upper |        |
| 139       | 100   |       |        |
| 109       | 22.5  | 22.7  | 34.1#  |
| 65        | 37.5  | 40.5  | 60.7#  |





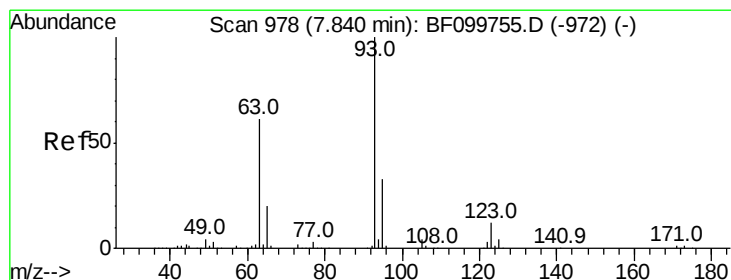
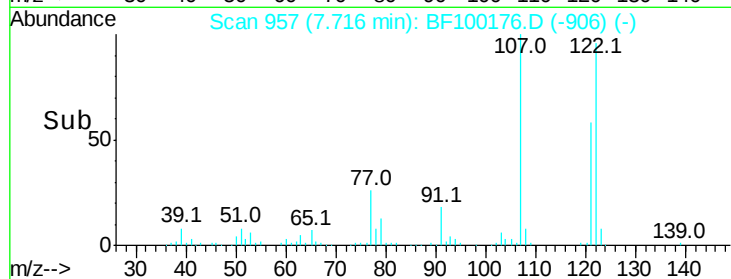
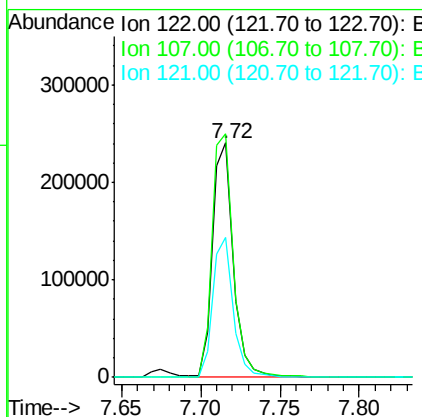
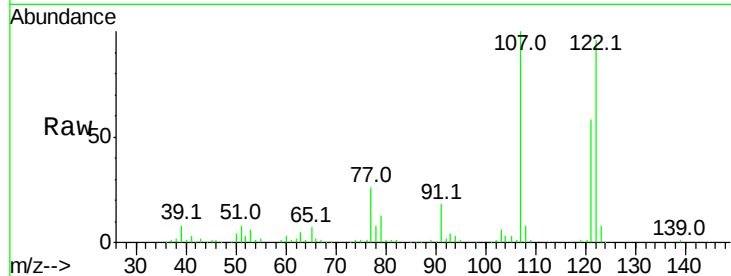
#27  
2,4-Dimethylphenol  
Concen: 44.971 ng  
RT: 7.72 min Scan# 957  
Delta R.T. 0.00 min  
Lab File: BF100176.D  
Acq: 4 Nov 2017 14:16

Instrument :  
BNA\_F  
ClientSampleId :  
ERM-P-1MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 103.8 | 91.2  | 136.8 |
| 121     | 59.8  | 47.2  | 70.8  |

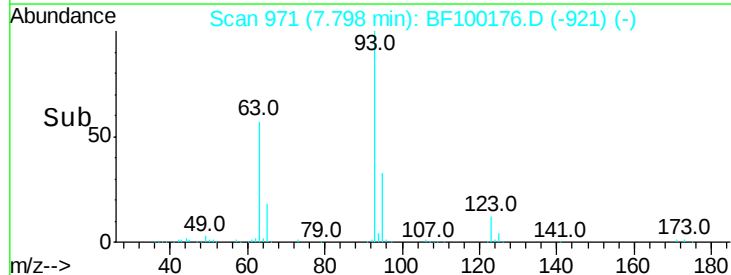
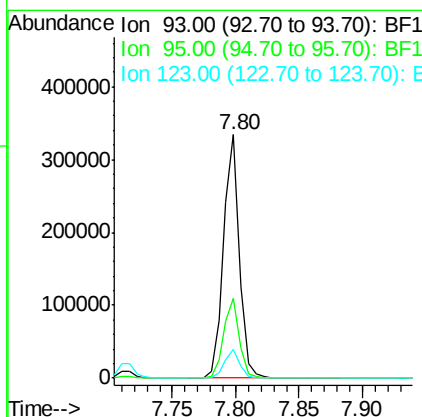
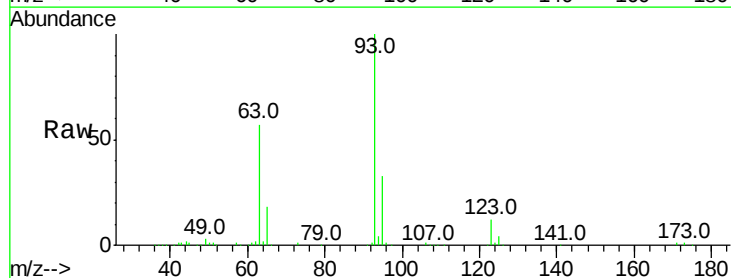
Manual Integrations  
APPROVED

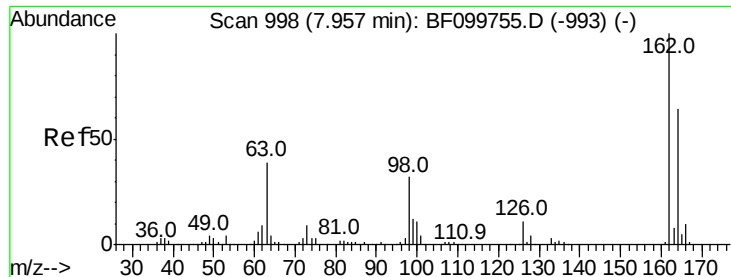
Sohil  
11/6/2017 2:26:08 PM



#28  
bis(2-Chloroethoxy)methane  
Concen: 39.634 ng  
RT: 7.80 min Scan# 971  
Delta R.T. -0.01 min  
Lab File: BF100176.D  
Acq: 4 Nov 2017 14:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 32.7  | 26.3  | 39.5  |
| 123     | 11.8  | 9.8   | 14.6  |





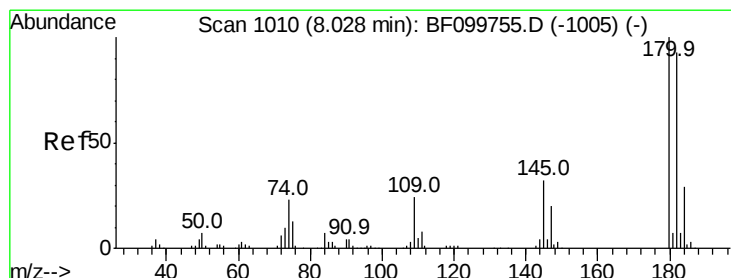
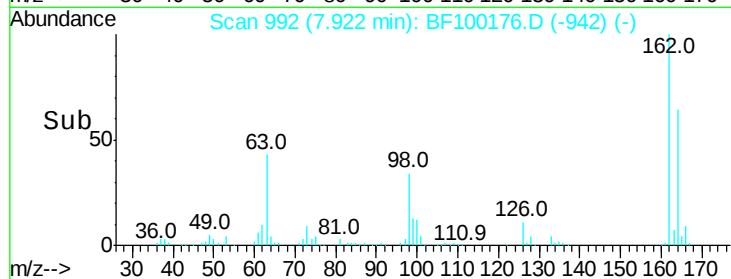
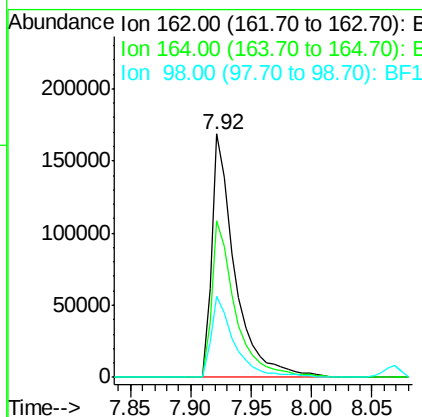
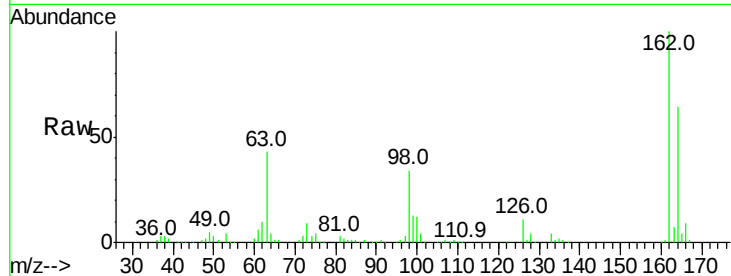
#29  
 2,4-Dichlorophenol  
 Concen: 43.590 ng  
 RT: 7.92 min Scan# 992  
 Delta R.T. -0.01 min  
 Lab File: BF100176.D  
 Acq: 4 Nov 2017 14:16

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ERM-P-1MS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 162     | 100   |            |       |
| 164     | 64.5  | 42.7       | 82.7  |
| 98      | 33.5  | 18.1       | 58.1  |

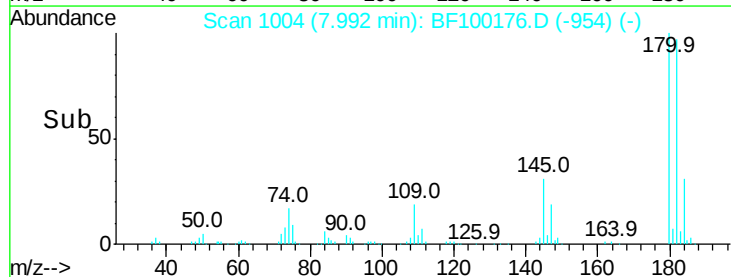
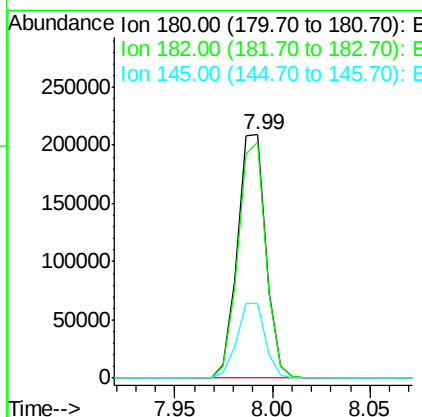
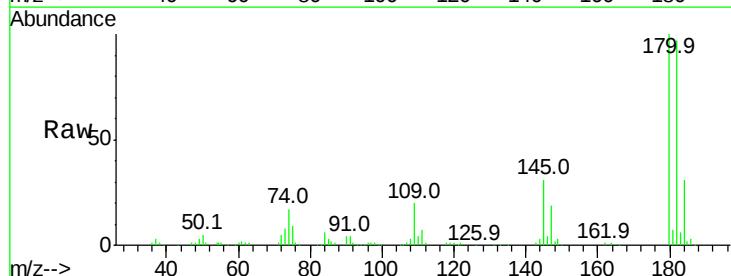
Manual Integrations  
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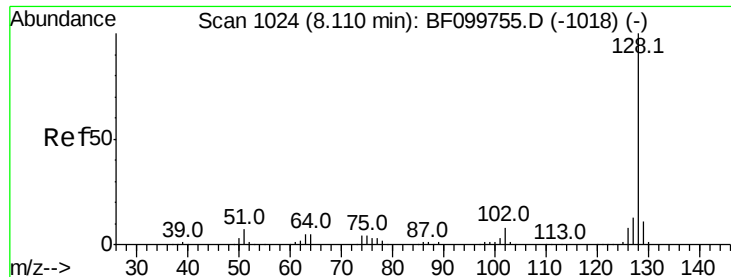
Sohil  
 11/6/2017 2:26:08 PM



#30  
 1,2,4-Trichlorobenzene  
 Concen: 38.864 ng  
 RT: 7.99 min Scan# 1004  
 Delta R.T. -0.01 min  
 Lab File: BF100176.D  
 Acq: 4 Nov 2017 14:16

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 180     | 100   |            |       |
| 182     | 97.0  | 76.8       | 115.2 |
| 145     | 30.7  | 26.5       | 39.7  |





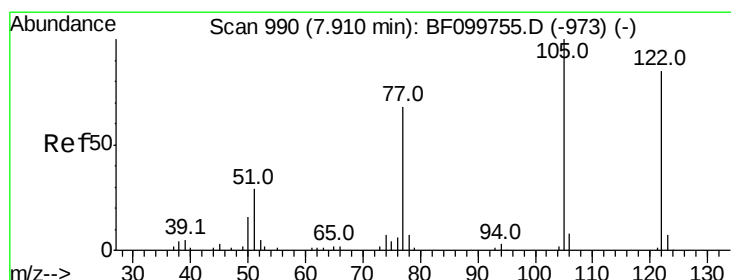
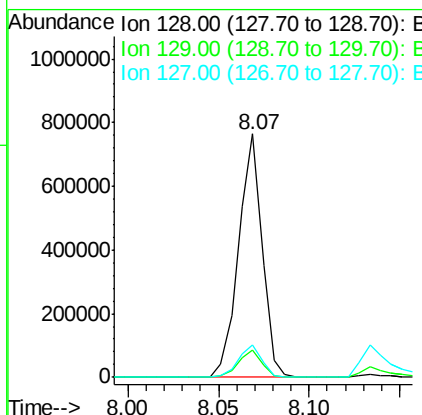
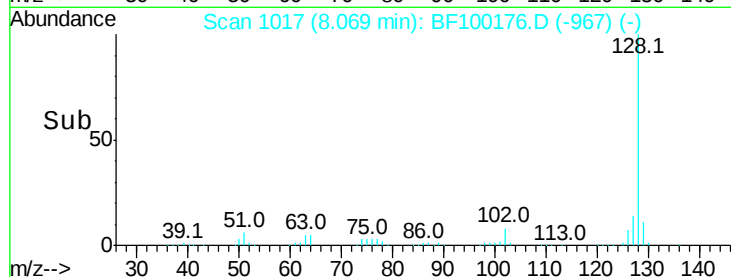
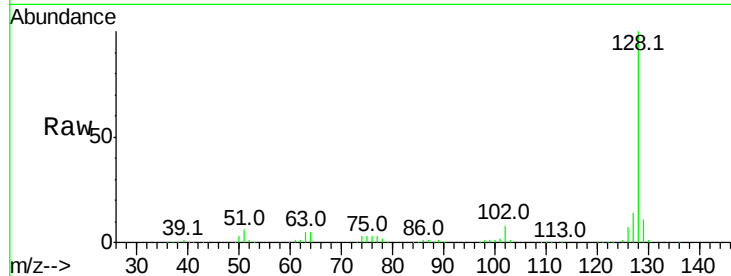
#31  
Naphthalene  
Concen: 38.742 ng  
RT: 8.07 min Scan# 1017  
Delta R.T. -0.01 min  
Lab File: BF100176.D  
Acq: 4 Nov 2017 14:16

Instrument :  
BNA\_F  
ClientSampleId :  
ERM-P-1MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 128     | 100   | 692980 |       |       |
| 129     | 11.2  |        | 8.8   | 13.2  |
| 127     | 13.6  |        | 10.9  | 16.3  |

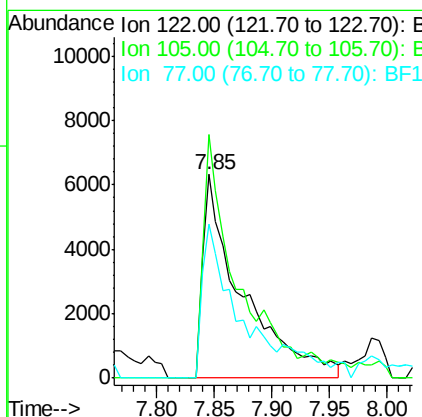
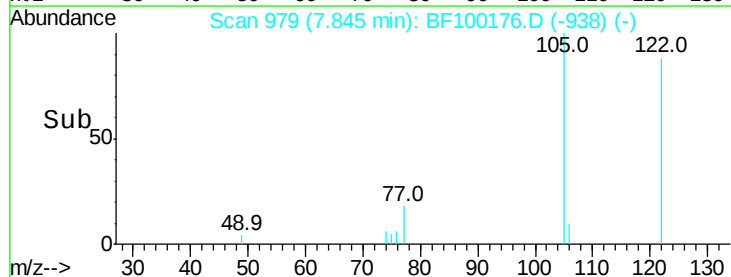
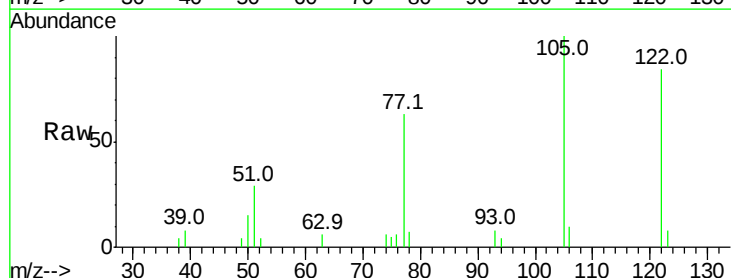
Manual Integrations  
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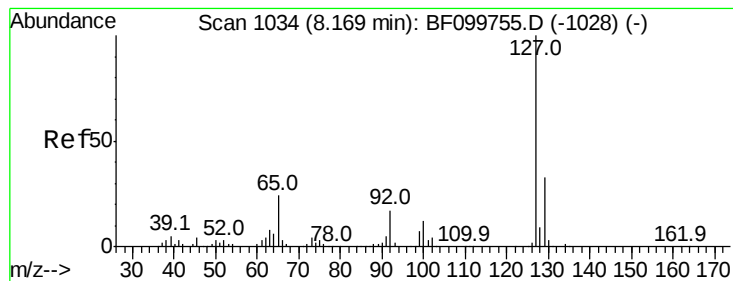
Sohil  
11/6/2017 2:26:08 PM



#32  
Benzoic acid  
Concen: 3.484 ng  
RT: 7.85 min Scan# 979  
Delta R.T. -0.06 min  
Lab File: BF100176.D  
Acq: 4 Nov 2017 14:16

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 122     | 100   | 15007 |       |       |
| 105     | 119.5 |       | 101.1 | 141.1 |
| 77      | 75.5  |       | 70.7  | 110.7 |





#33

4-Chloroaniline

Concen: 17.015 ng

RT: 8.13 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BF100176.D

Acq: 4 Nov 2017 14:16

Instrument :

BNA\_F

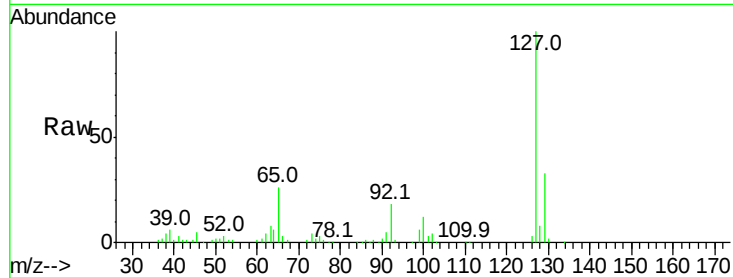
ClientSampleId :

ERM-P-1MS

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 127     | 100  |       |      |       |       |
| 129     | 33.2 | 25.9  | 38.9 |       |       |
| 65      | 25.6 | 25.0  | 37.4 |       |       |
| 92      | 17.9 | 15.2  | 22.8 |       |       |

Manual Integrations  
APPROVED

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11/6/2017 2:26:08 PM

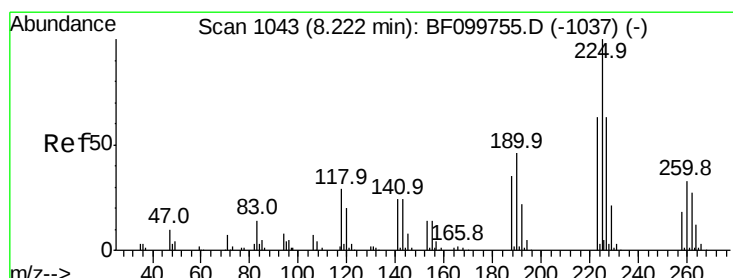
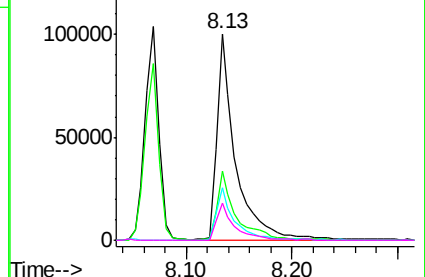
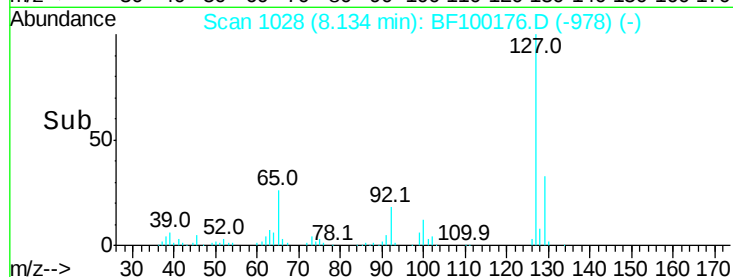


Abundance Ion 127.00 (126.70 to 127.70): E

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: 37.941 ng

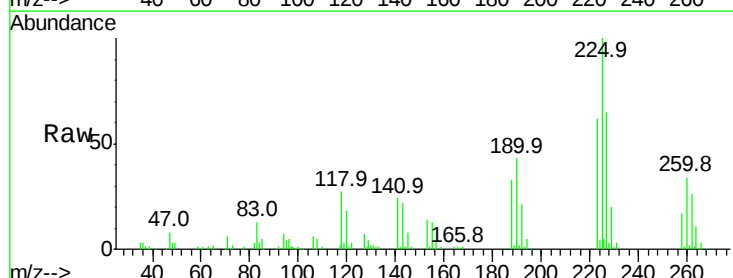
RT: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF100176.D

Acq: 4 Nov 2017 14:16

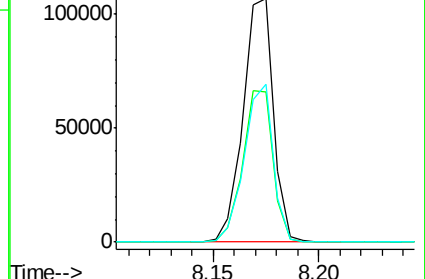
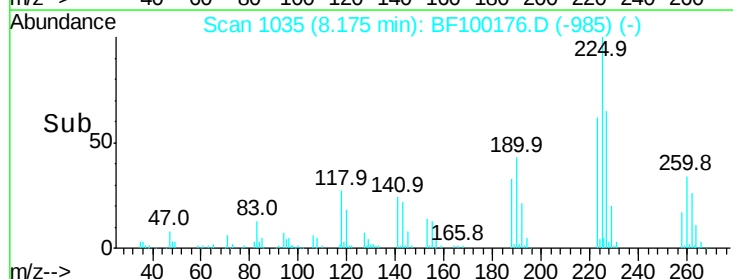
| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 225     | 100  |       |      |       |       |
| 223     | 61.7 | 50.6  | 76.0 |       |       |
| 227     | 64.7 | 51.9  | 77.9 |       |       |



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: 40.592 ng/mL

RT: 8.52 min Scan# 1093

Delta R.T. -0.02 min

Lab File: BF100176.D

Acq: 4 Nov 2017 14:16

Instrument :

BNA\_F

ClientSampleId :

ERM-P-1MS

Tot Ion:113 Resp: 64900

Ion Ratio Lower Upper

113 100

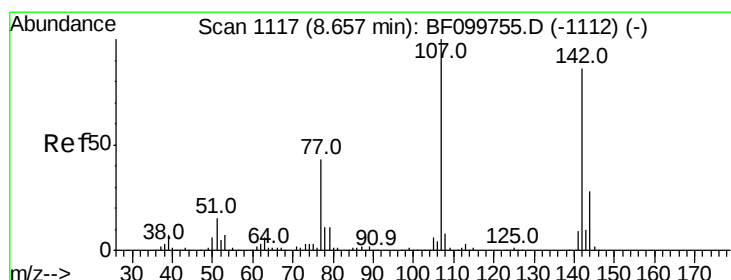
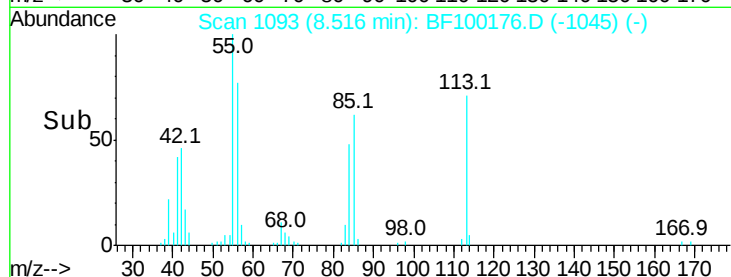
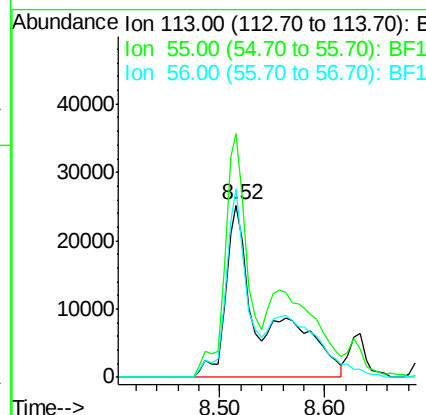
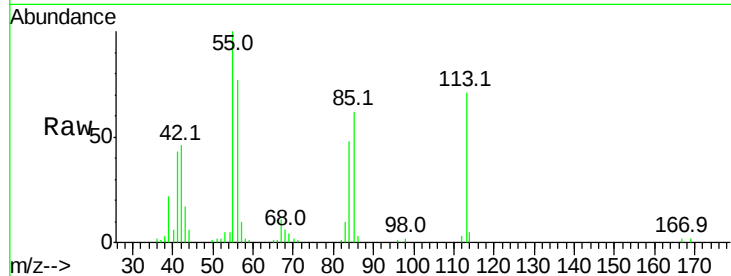
55 141.3 163.3 203.3#

56 109.2 115.7 155.7#

Manual Integrations  
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Sohil

11/6/2017 2:26:08 PM



#36

4-Chloro-3-methylphenol

Concen: 41.041 ng/mL

RT: 8.63 min Scan# 1112

Delta R.T. 0.00 min

Lab File: BF100176.D

Acq: 4 Nov 2017 14:16

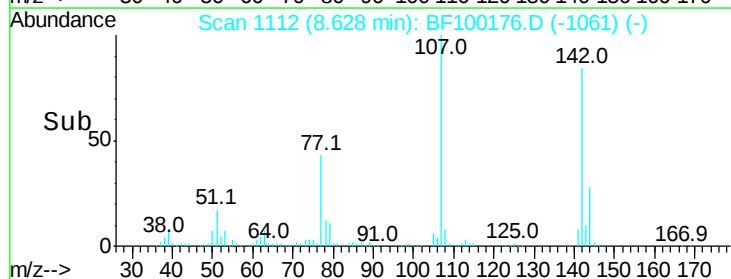
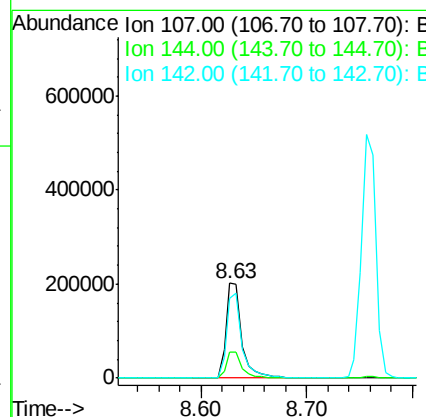
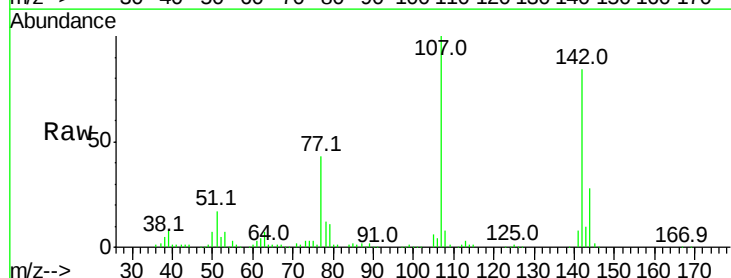
Tgt Ion:107 Resp: 212973

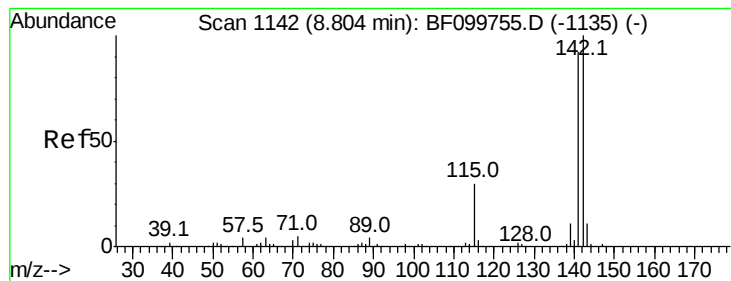
Ion Ratio Lower Upper

107 100

144 27.7 20.5 30.7

142 84.1 62.0 93.0





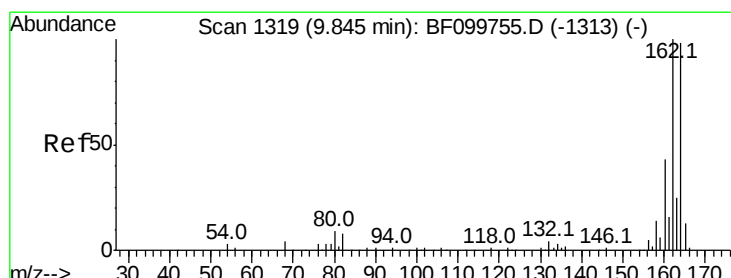
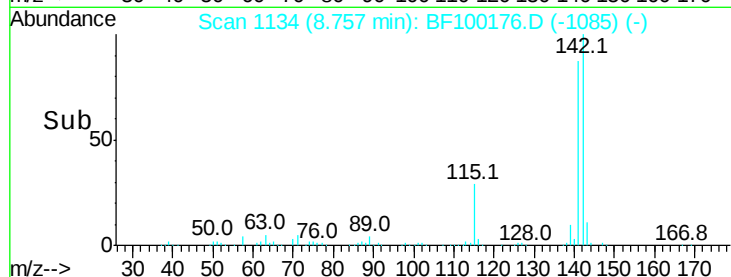
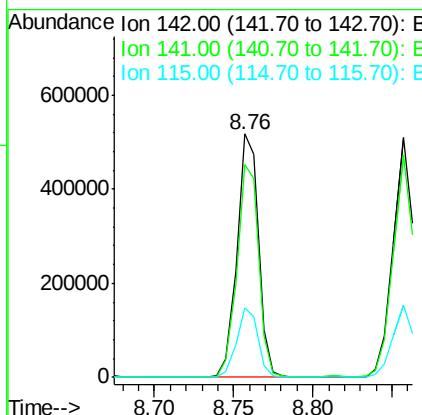
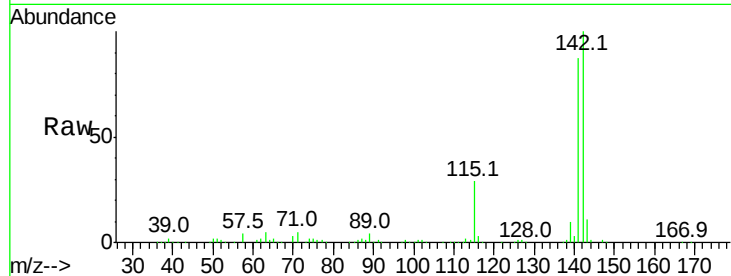
#37  
2-Methylnaphthalene  
Concen: 40.605 ng  
RT: 8.76 min Scan# 1134  
Delta R.T. -0.01 min  
Lab File: BF100176.D  
Acq: 4 Nov 2017 14:16

Instrument :  
BNA\_F  
ClientSampleId :  
ERM-P-1MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 87.3  | 70.8  | 106.2 |
| 115     | 28.6  | 26.1  | 39.1  |

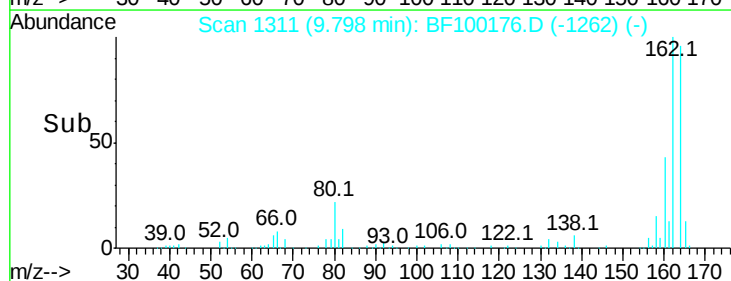
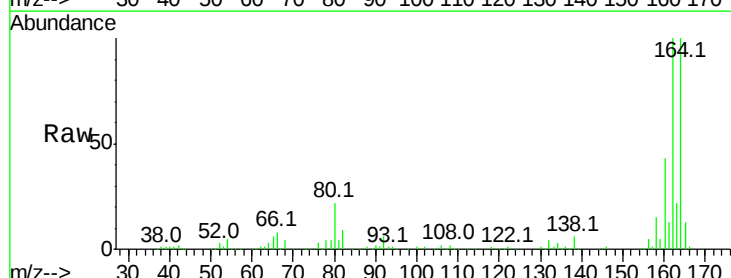
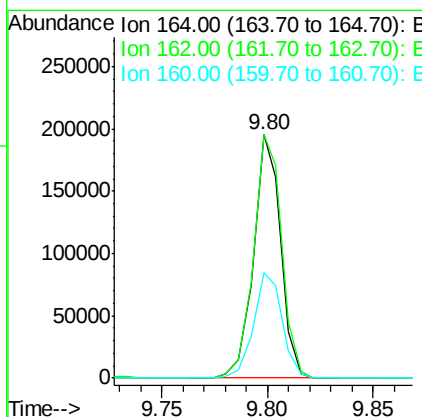
Manual Integrations  
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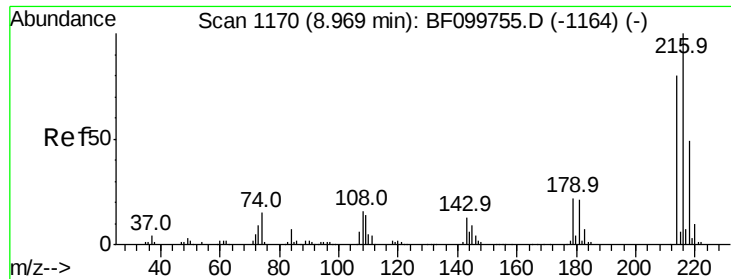
Sohil  
11/6/2017 2:26:08 PM



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.80 min Scan# 1311  
Delta R.T. -0.01 min  
Lab File: BF100176.D  
Acq: 4 Nov 2017 14:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 99.9  | 86.1  | 129.1 |
| 160     | 43.1  | 38.3  | 57.5  |





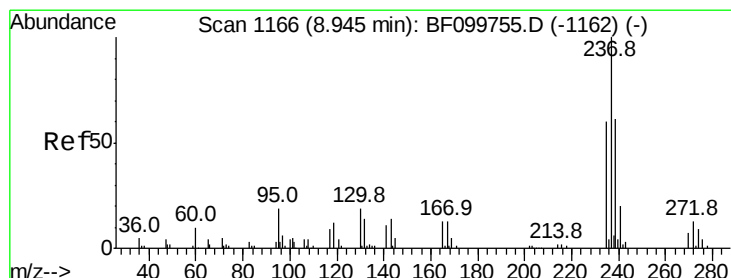
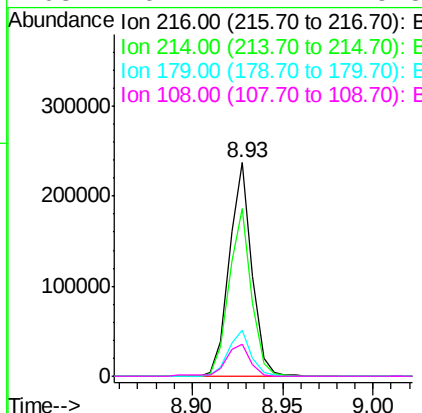
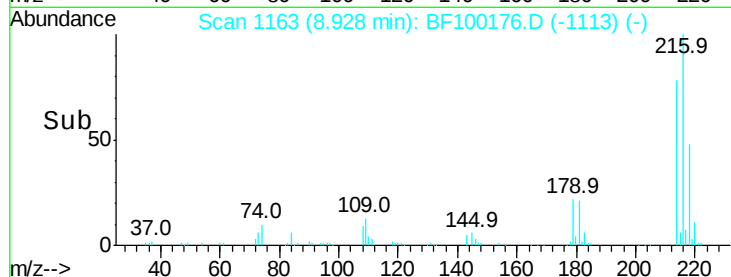
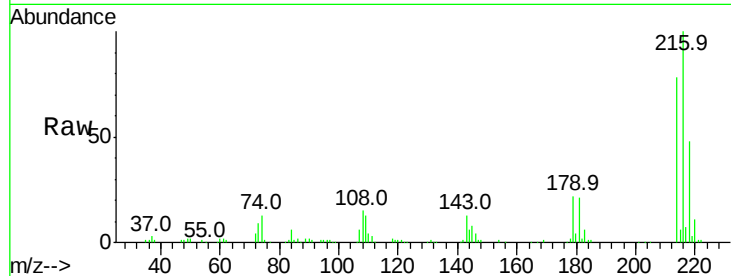
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 36.514 ng  
 RT: 8.93 min Scan# 1163  
 Delta R.T. -0.01 min  
 Lab File: BF100176.D  
 Acq: 4 Nov 2017 14:16

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ERM-P-1MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 216     | 100   | 204434 |       |       |
| 214     | 77.8  | 63.0   | 94.4  |       |
| 179     | 21.3  | 18.1   | 27.1  |       |
| 108     | 16.4  | 17.2   | 25.8  |       |

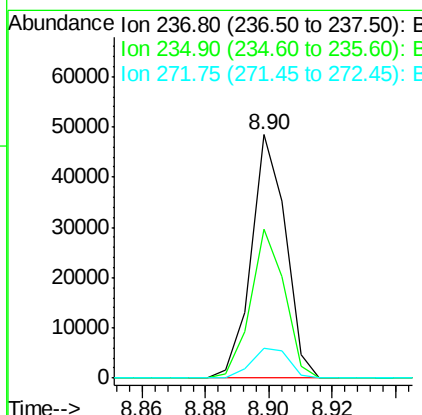
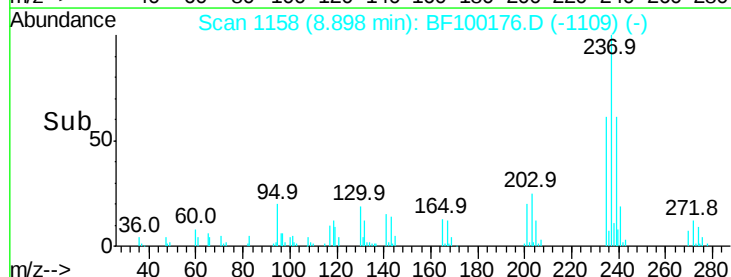
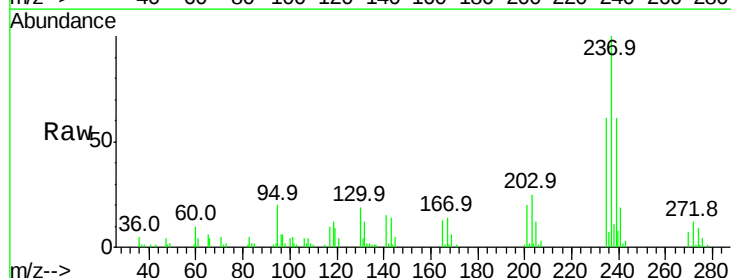
Manual Integrations  
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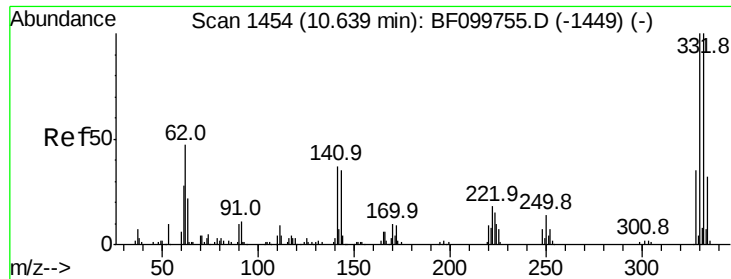
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#40  
 Hexachlorocyclopentadiene  
 Concen: 41.609 ng  
 RT: 8.90 min Scan# 1158  
 Delta R.T. -0.01 min  
 Lab File: BF100176.D  
 Acq: 4 Nov 2017 14:16

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 237     | 100   | 36378 |       |       |
| 235     | 61.2  | 44.8  | 84.8  |       |
| 272     | 12.1  | 0.0   | 33.3  |       |





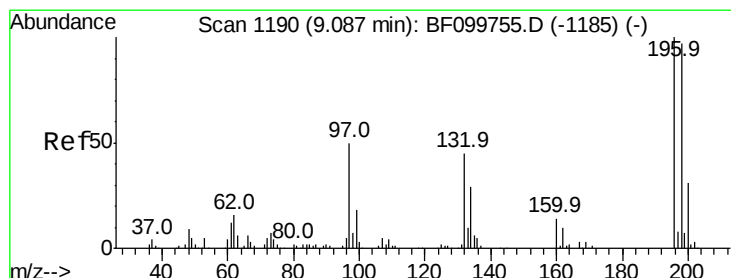
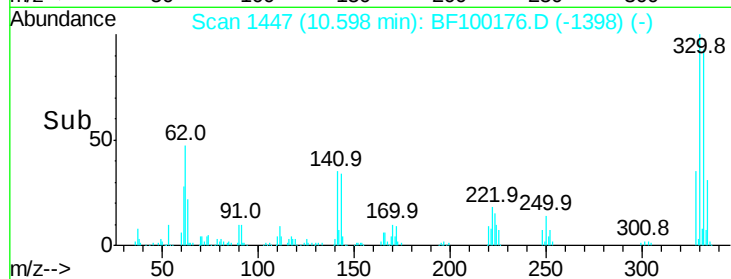
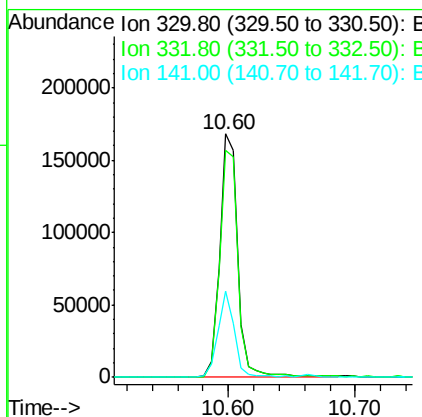
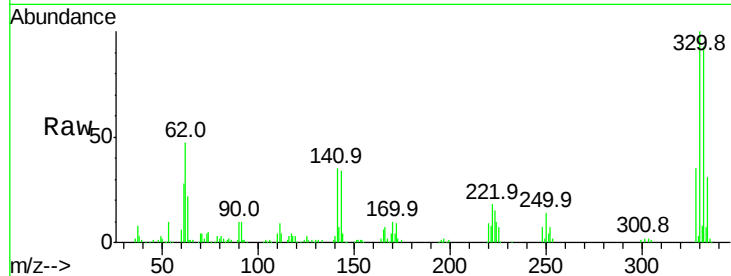
#41  
 2,4,6-Tribromophenol  
 Concen: 106.906 ng  
 RT: 10.60 min Scan# 1447  
 Delta R.T. -0.01 min  
 Lab File: BF100176.D  
 Acq: 4 Nov 2017 14:16

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ERM-P-1MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 168889 |       |       |
| 332     | 95.7  | 77.0   | 115.6 |       |
| 141     | 32.6  | 29.9   | 44.9  |       |

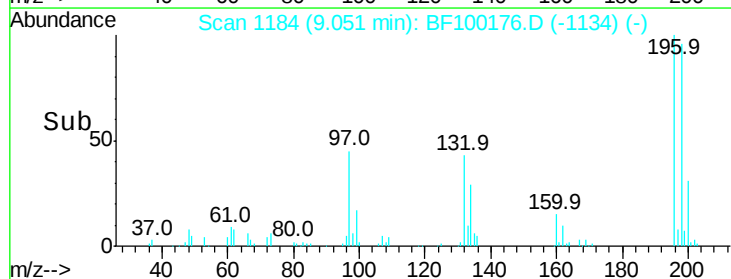
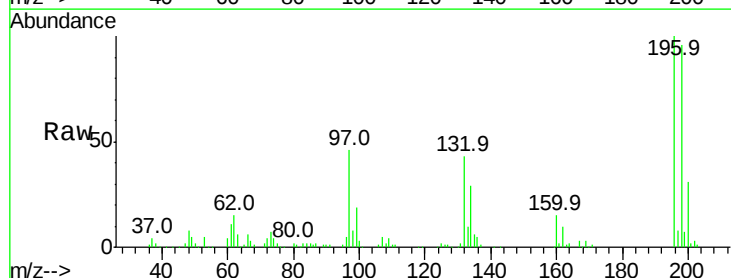
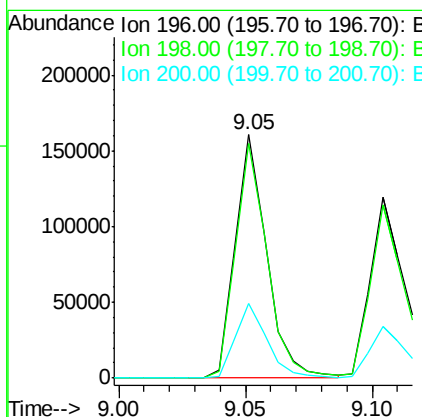
Manual Integrations  
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#42  
 2,4,6-Trichlorophenol  
 Concen: 40.888 ng  
 RT: 9.05 min Scan# 1184  
 Delta R.T. -0.01 min  
 Lab File: BF100176.D  
 Acq: 4 Nov 2017 14:16

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 138474 |       |       |
| 198     | 96.2  | 75.7   | 113.5 |       |
| 200     | 30.7  | 24.5   | 36.7  |       |





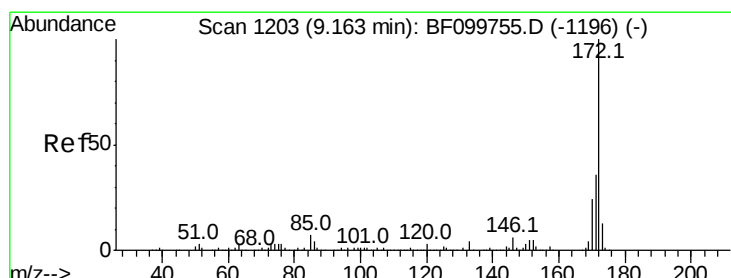
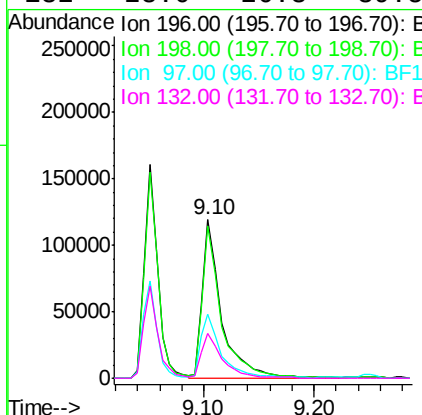
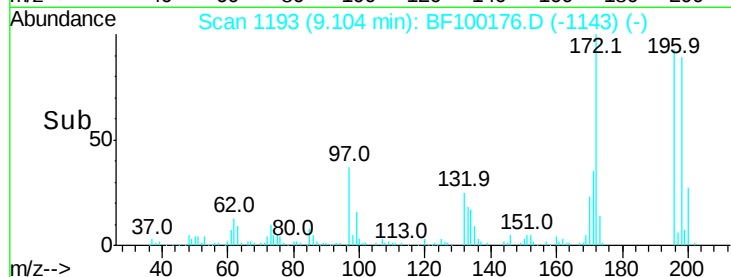
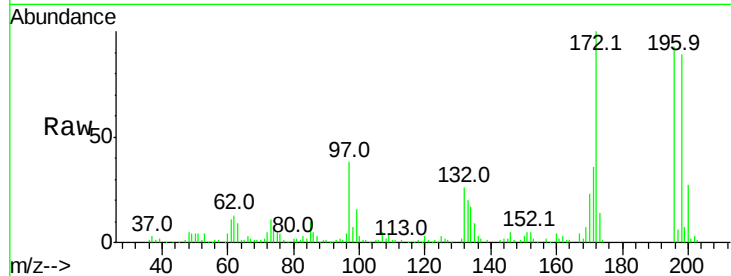
#43  
 2,4,5-Trichlorophenol  
 Concen: 38.768 ng  
 RT: 9.10 min Scan# 1193  
 Delta R.T. -0.01 min  
 Lab File: BF100176.D  
 Acq: 4 Nov 2017 14:16

Instrument :  
 BNA\_F  
 ClientSampled :  
 ERM-P-1MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 139327 |       |       |
| 198     | 95.8  | 74.6   | 112.0 |       |
| 97      | 40.5  | 42.9   | 64.3  |       |
| 132     | 28.0  | 26.3   | 39.5  |       |

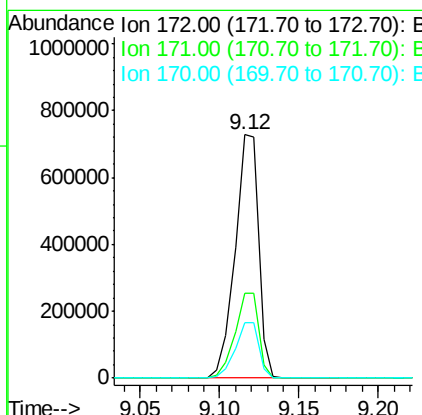
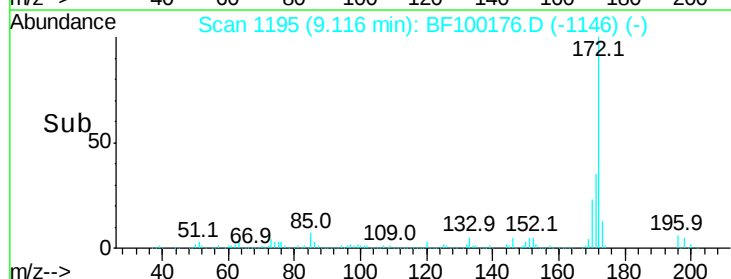
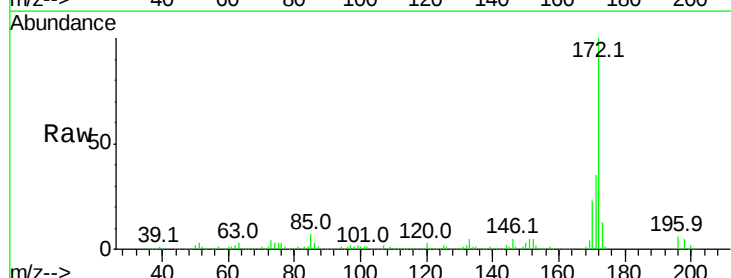
Manual Integrations  
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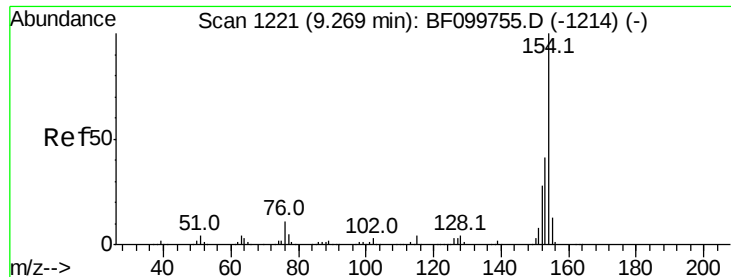
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#44  
 2-Fluorobiphenyl  
 Concen: 66.676 ng  
 RT: 9.12 min Scan# 1195  
 Delta R.T. -0.01 min  
 Lab File: BF100176.D  
 Acq: 4 Nov 2017 14:16

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 172     | 100   | 749168 |       |       |
| 171     | 34.7  | 29.7   | 44.5  |       |
| 170     | 22.9  | 19.6   | 29.4  |       |





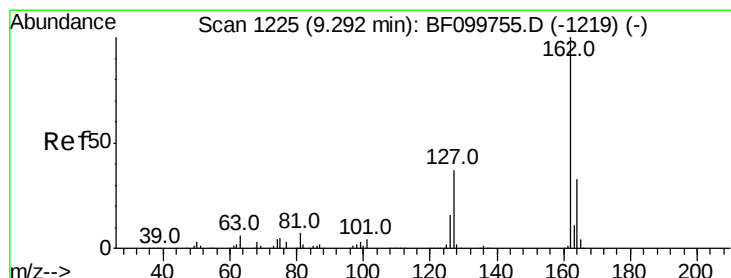
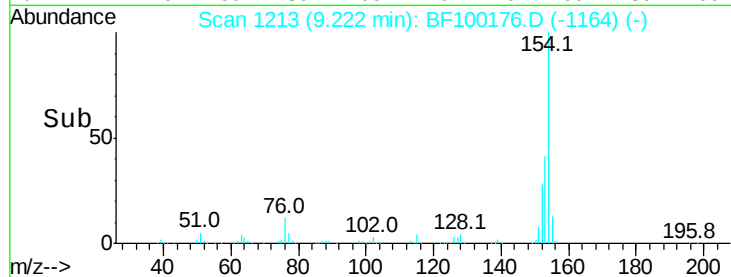
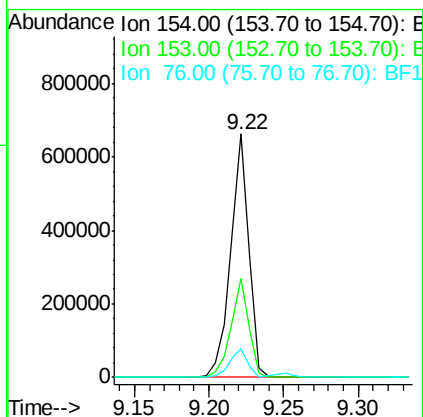
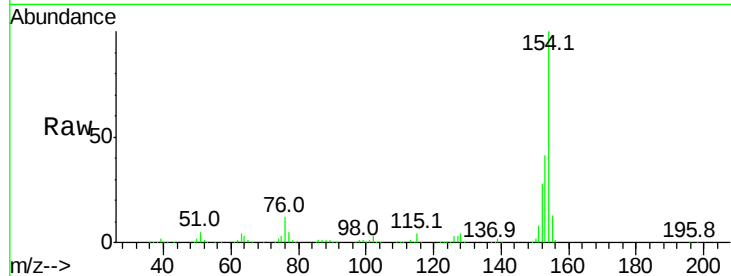
#45  
 1,1'-Biphenyl  
 Concen: 36.606 ng  
 RT: 9.22 min Scan# 1213  
 Delta R.T. -0.01 min  
 Lab File: BF100176.D  
 Acq: 4 Nov 2017 14:16

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ERM-P-1MS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 154     | 100   |      |       |       |
| 153     | 40.8  | 21.3 | 61.3  |       |
| 76      | 11.9  | 0.0  | 34.0  |       |

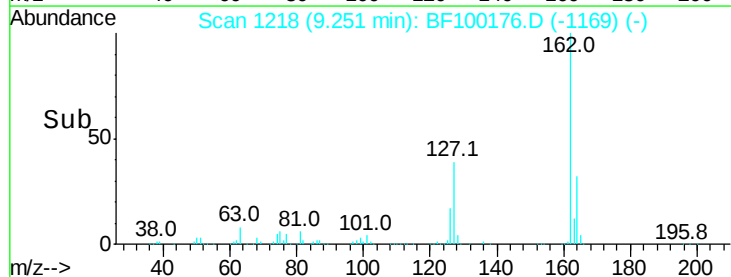
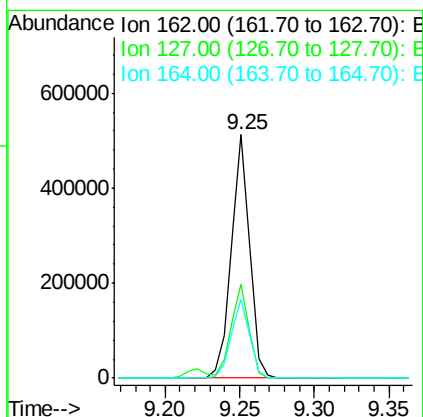
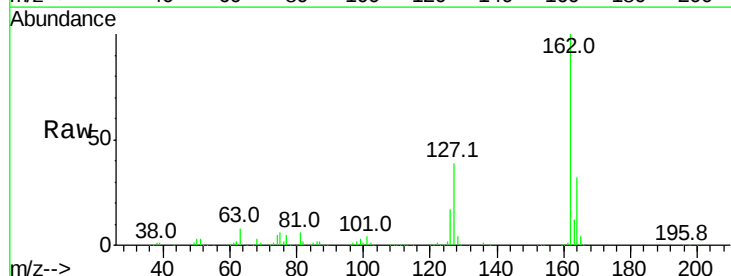
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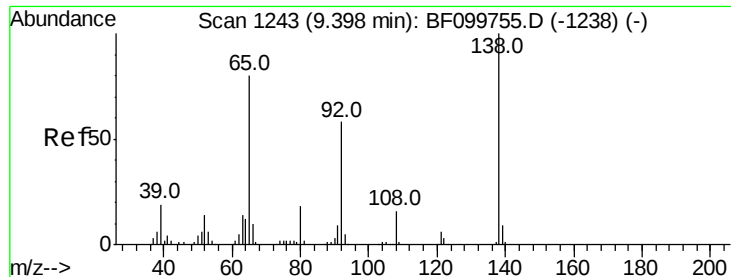
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#46  
 2-Chloronaphthalene  
 Concen: 39.370 ng  
 RT: 9.25 min Scan# 1218  
 Delta R.T. -0.01 min  
 Lab File: BF100176.D  
 Acq: 4 Nov 2017 14:16

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 162     | 100   |      |       |       |
| 127     | 38.5  | 33.9 | 50.9  |       |
| 164     | 32.1  | 26.5 | 39.7  |       |





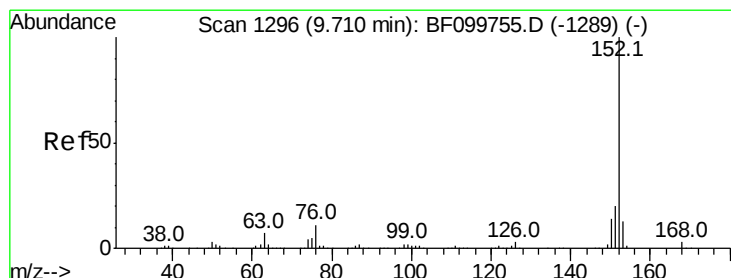
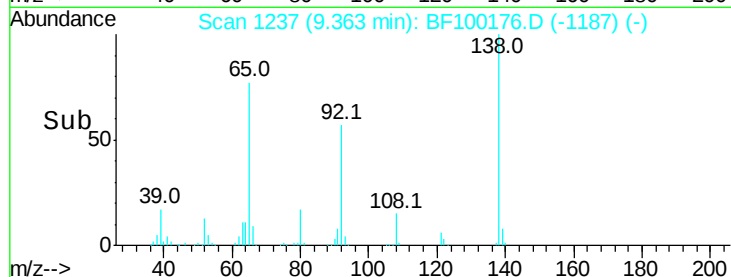
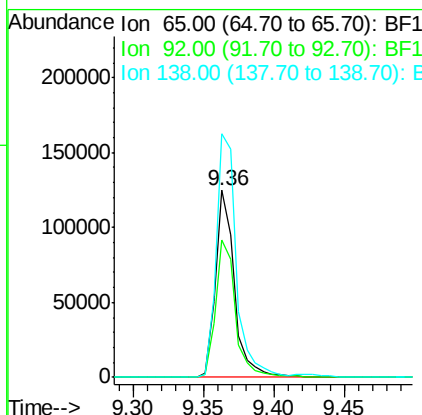
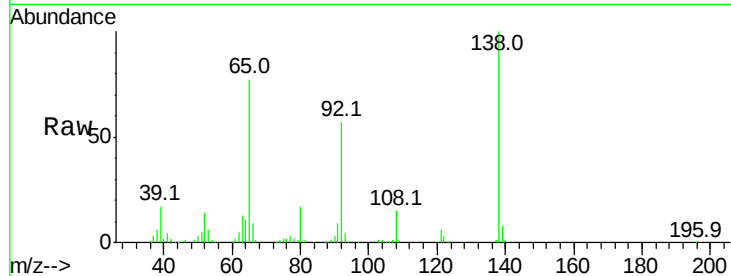
#47  
2-Nitroaniline  
Concen: 39.106 ng  
RT: 9.36 min Scan# 1237  
Delta R.T. -0.01 min  
Lab File: BF100176.D  
Acq: 4 Nov 2017 14:16

Instrument :  
BNA\_F  
ClientSampleId :  
ERM-P-1MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 73.7  | 55.8  | 83.6  |
| 138     | 130.2 | 91.2  | 136.8 |

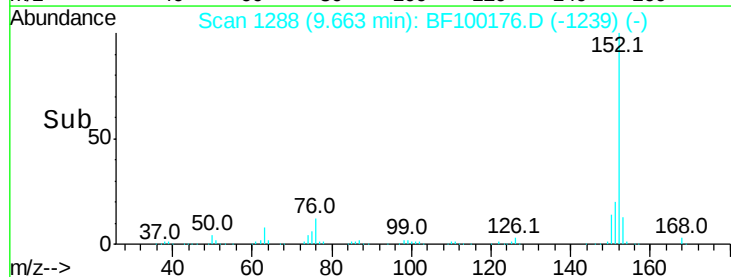
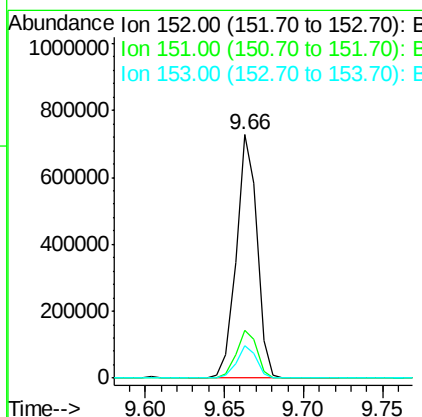
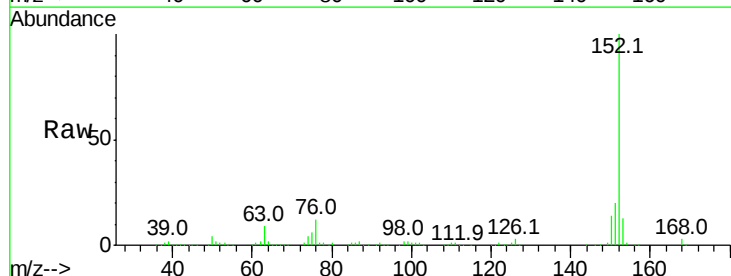
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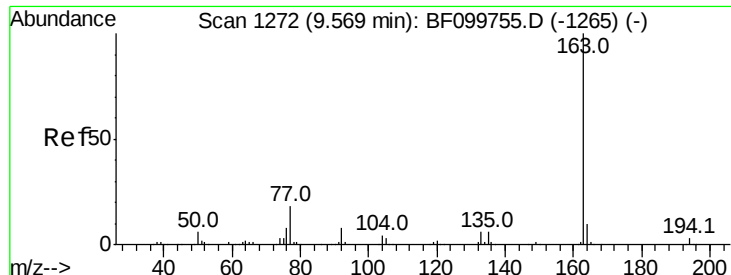
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#48  
Acenaphthylene  
Concen: 37.618 ng  
RT: 9.66 min Scan# 1288  
Delta R.T. -0.01 min  
Lab File: BF100176.D  
Acq: 4 Nov 2017 14:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.9  | 16.3  | 24.5  |
| 153     | 13.2  | 10.7  | 16.1  |





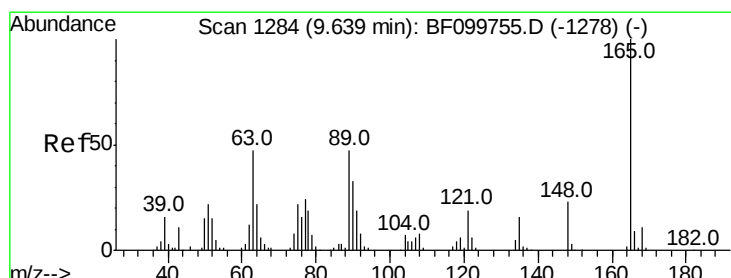
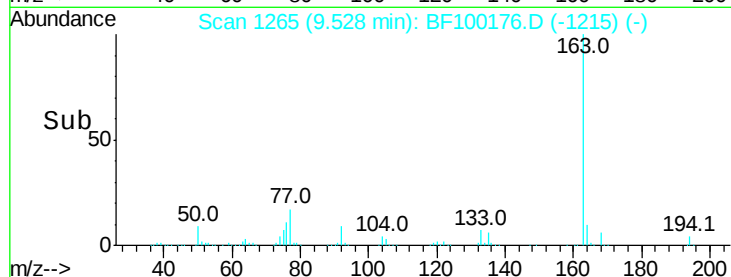
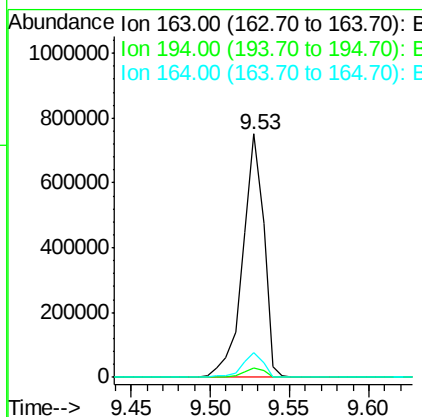
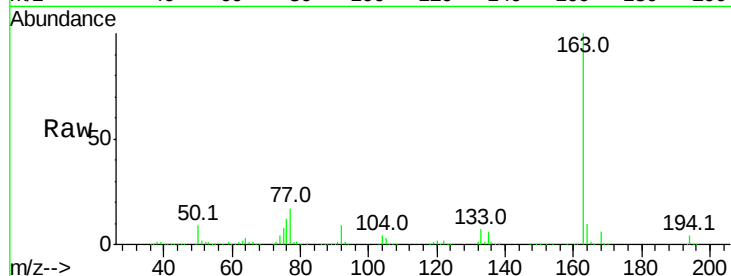
#49  
Dimethylphthalate  
Concen: 50.082 ng  
RT: 9.53 min Scan# 1265  
Delta R.T. -0.01 min  
Lab File: BF100176.D  
Acq: 4 Nov 2017 14:16

Instrument :  
BNA\_F  
ClientSampleId :  
ERM-P-1MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 163     | 100   | 687531 |       |       |
| 194     | 3.7   |        | 2.7   | 4.1   |
| 164     | 10.1  |        | 8.2   | 12.2  |

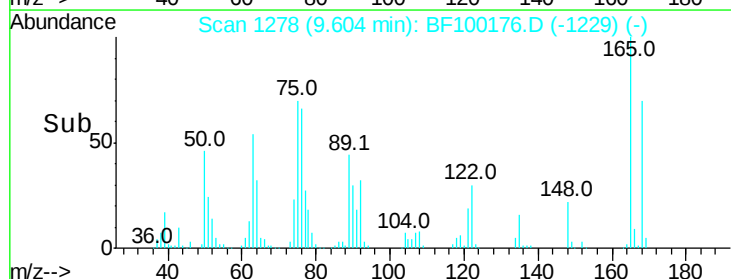
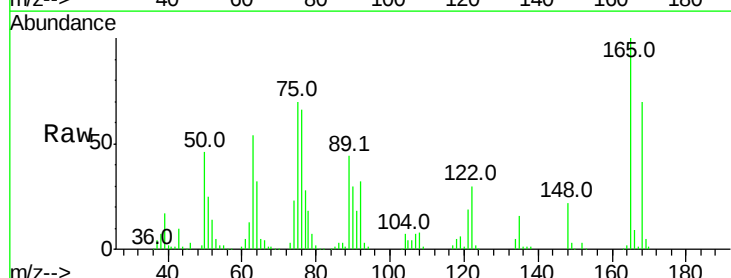
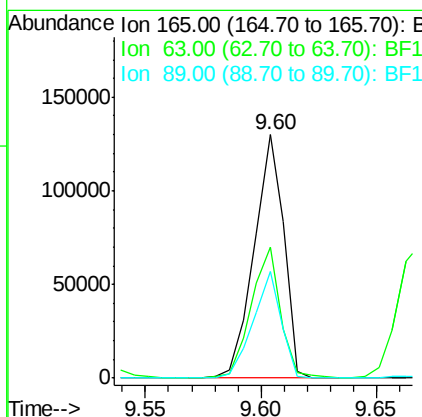
Manual Integrations  
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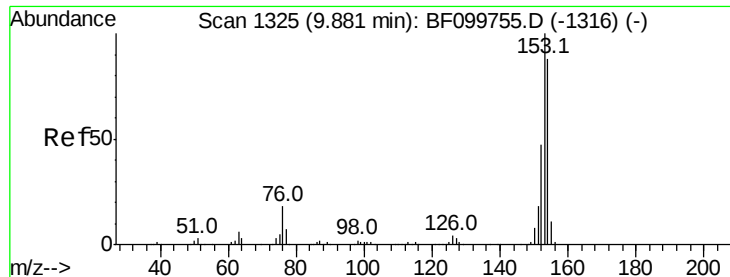
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#50  
2,6-Dinitrotoluene  
Concen: 40.534 ng  
RT: 9.60 min Scan# 1278  
Delta R.T. -0.01 min  
Lab File: BF100176.D  
Acq: 4 Nov 2017 14:16

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 116979 |       |       |
| 63      | 53.6  |        | 44.7  | 67.1  |
| 89      | 43.9  |        | 44.0  | 66.0# |





#51

Acenaphthene

Concen: 37.638 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF100176.D

Acq: 4 Nov 2017 14:16

Instrument :

BNA\_F

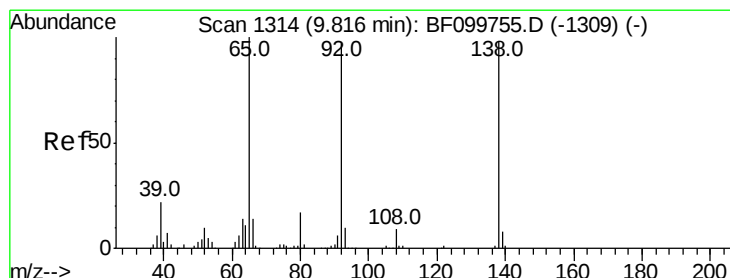
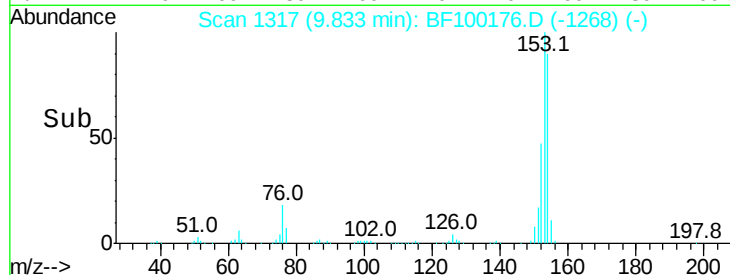
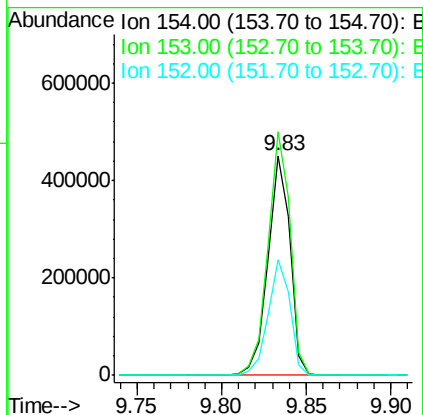
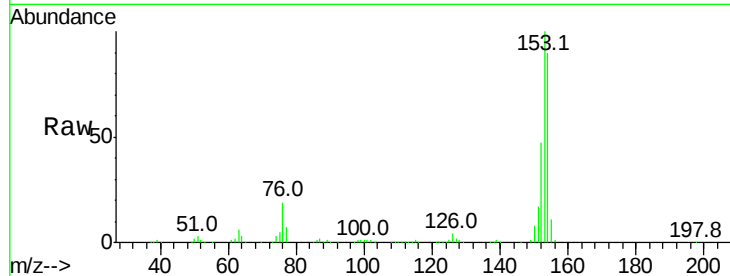
ClientSampleId :

ERM-P-1MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 154   | Resp: | 403411 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 111.0 | 91.2  | 136.8  |
| 152       | 52.6  | 43.8  | 65.8   |

Manual Integrations  
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#52

3-Nitroaniline

Concen: 27.064 ng

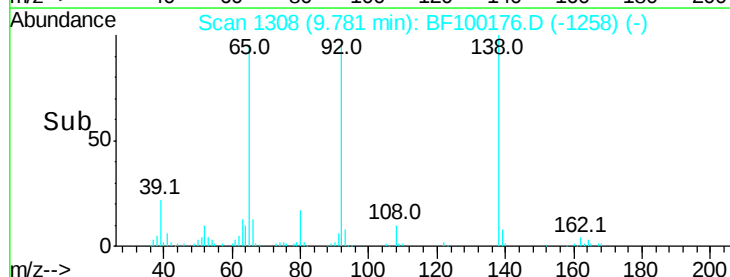
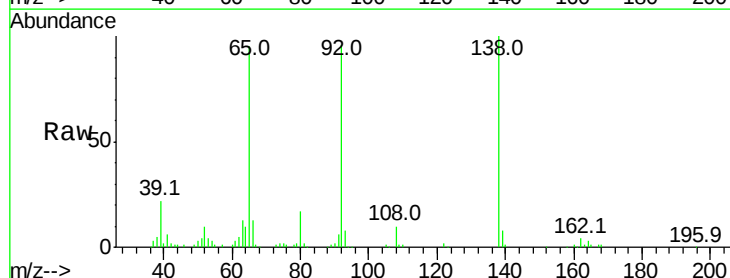
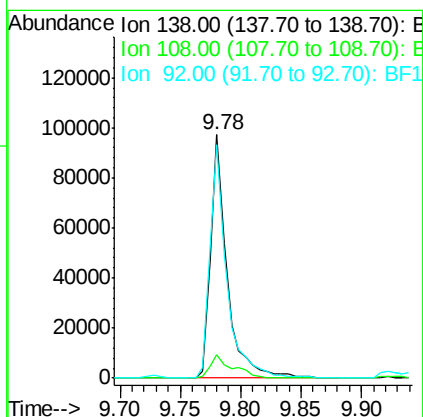
RT: 9.78 min Scan# 1308

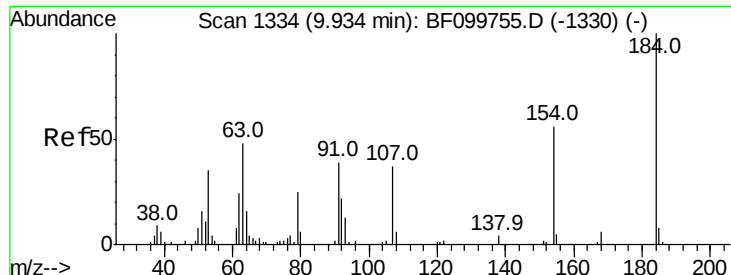
Delta R.T. -0.01 min

Lab File: BF100176.D

Acq: 4 Nov 2017 14:16

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 138   | Resp: | 92031 |
| Ion Ratio | Lower | Upper |       |
| 138       | 100   |       |       |
| 108       | 9.7   | 9.4   | 14.0  |
| 92        | 95.9  | 89.4  | 134.2 |





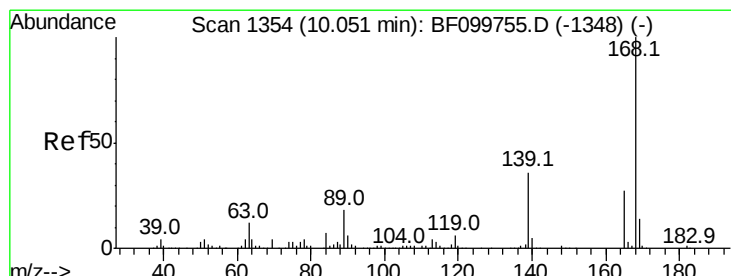
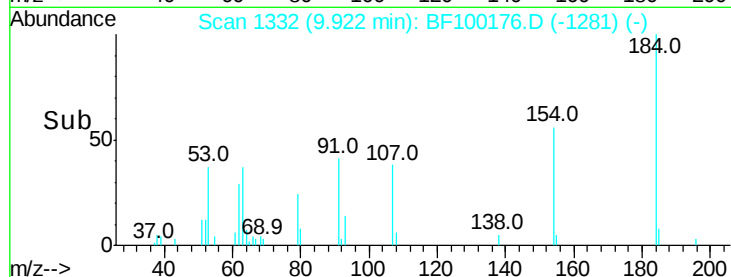
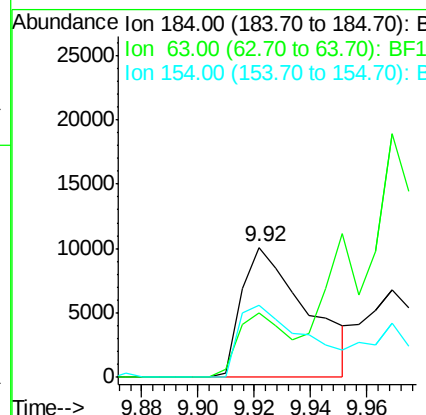
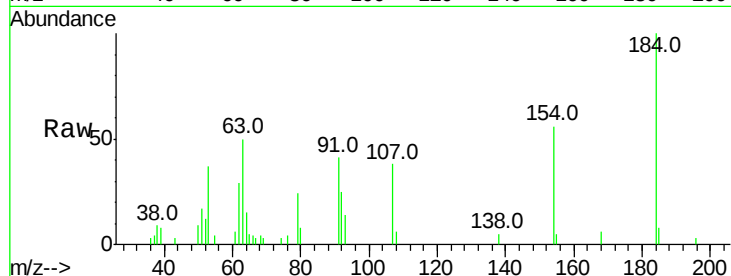
#53  
 2,4-Dinitrophenol  
 Concen: 18.862 ng  
 RT: 9.92 min Scan# 1332  
 Delta R.T. 0.00 min  
 Lab File: BF100176.D  
 Acq: 4 Nov 2017 14:16

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ERM-P-1MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 63      | 50.0  | 54.2  | 81.2# |
| 154     | 55.6  | 53.5  | 80.3  |

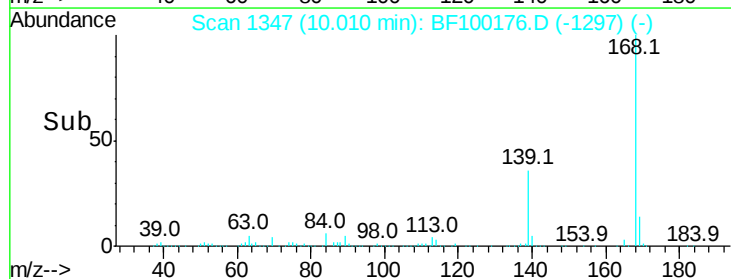
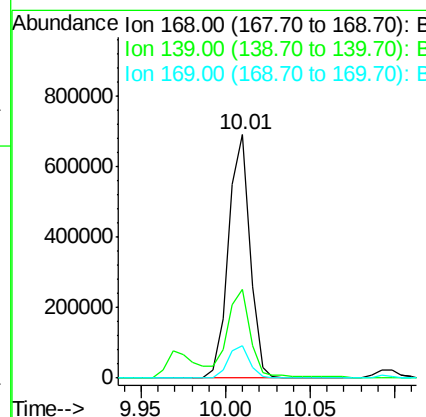
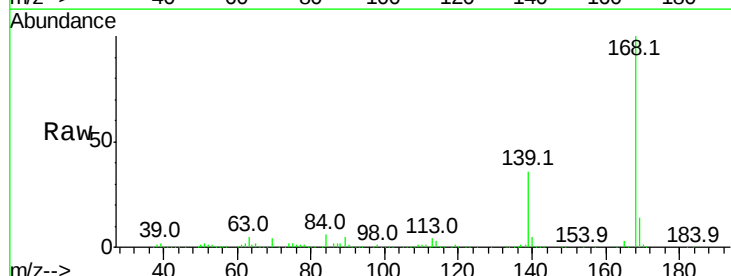
Manual Integrations  
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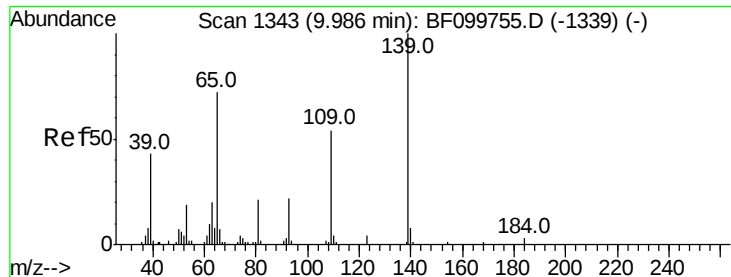
Sohil  
 11/6/2017 2:26:08 PM



#54  
 Dibenzofuran  
 Concen: 40.255 ng  
 RT: 10.01 min Scan# 1347  
 Delta R.T. -0.01 min  
 Lab File: BF100176.D  
 Acq: 4 Nov 2017 14:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 36.2  | 30.1  | 45.1  |
| 169     | 13.6  | 10.9  | 16.3  |





#55

4-Nitrophenol

Concen: 54.291 ng

RT: 9.97 min Scan# 1340

Delta R.T. -0.01 min

Lab File: BF100176.D

Acq: 4 Nov 2017 14:16

Instrument :

BNA\_F

ClientSampleId :

ERM-P-1MS

Tot Ion:139 Resp: 96462

Ion Ratio Lower Upper

139 100

109 51.7 48.4 88.4

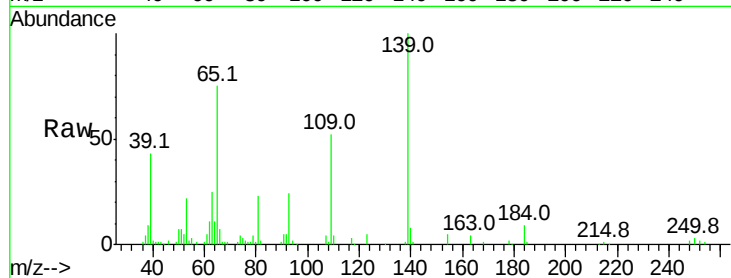
65 75.1 72.6 112.6

Manual Integrations

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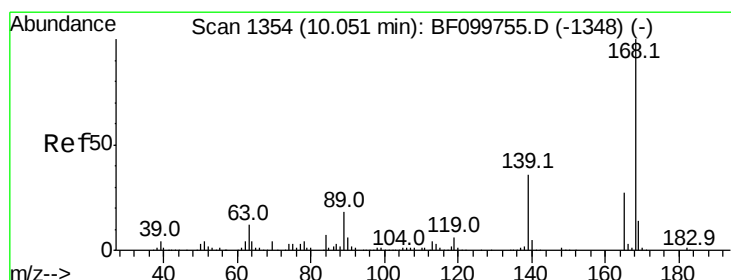
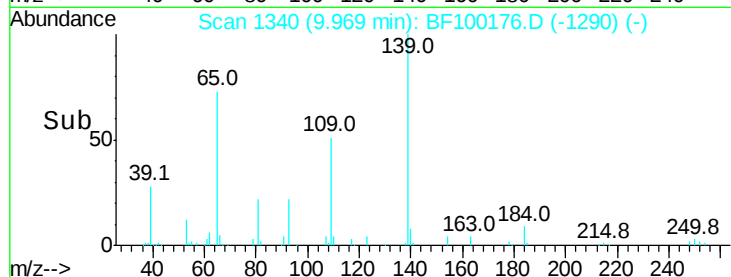
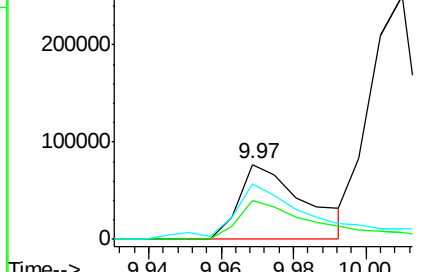
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Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#56

2,4-Dinitrotoluene

Concen: 45.423 ng

RT: 10.02 min Scan# 1349

Delta R.T. -0.01 min

Lab File: BF100176.D

Acq: 4 Nov 2017 14:16

Tgt Ion:165 Resp: 157870

Ion Ratio Lower Upper

165 100

63 29.9 36.4 54.6#

89 52.2 57.8 86.6#

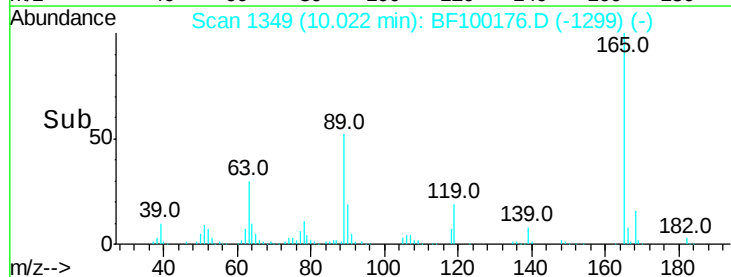
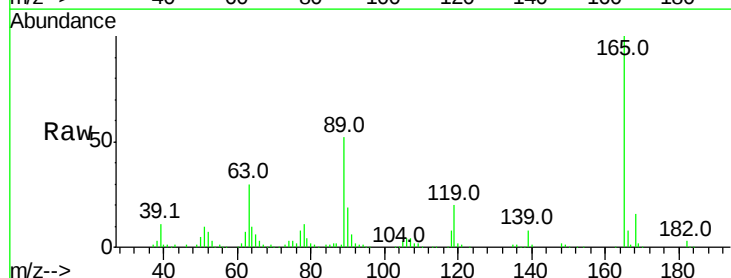
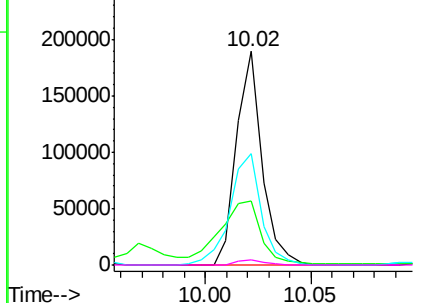
182 2.5 1.6 2.4#

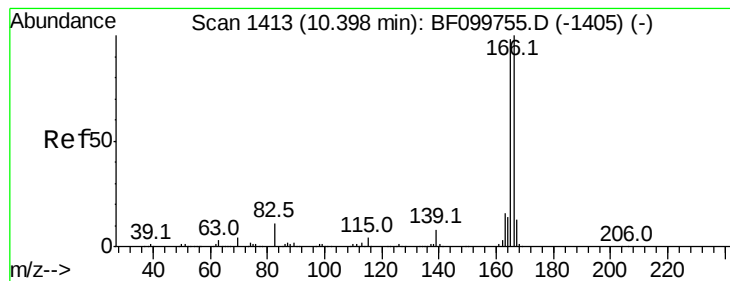
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 38.918 ng

RT: 10.35 min Scan# 1405

Delta R.T. -0.01 min

Lab File: BF100176.D

Acq: 4 Nov 2017 14:16

Instrument :

BNA\_F

ClientSampleId :

ERM-P-1MS

Tot Ion:166 Resp: 487515

Ion Ratio Lower Upper

166 100

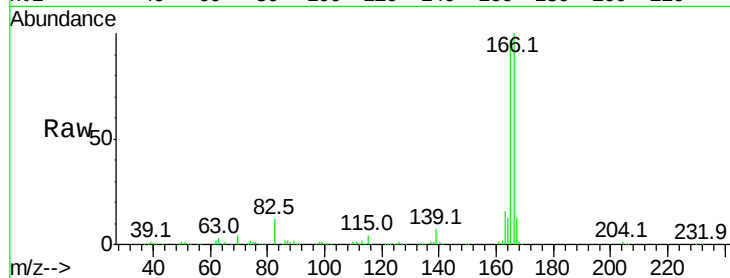
165 97.4 79.8 119.8

167 13.4 10.6 16.0

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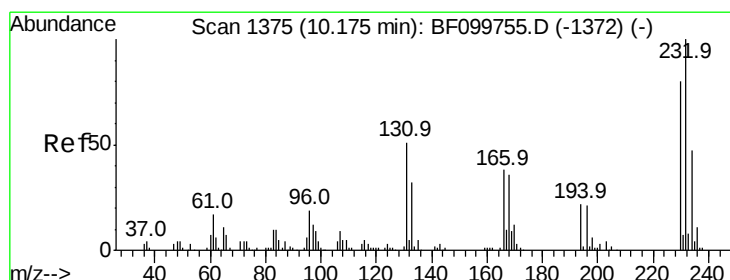
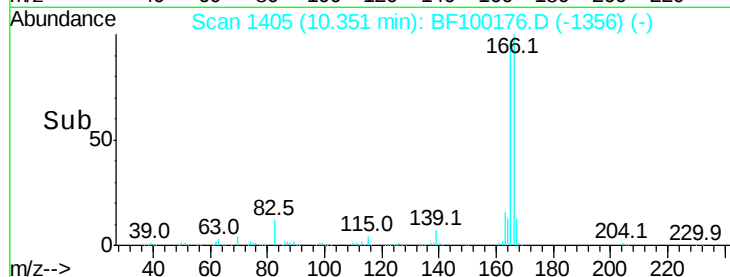
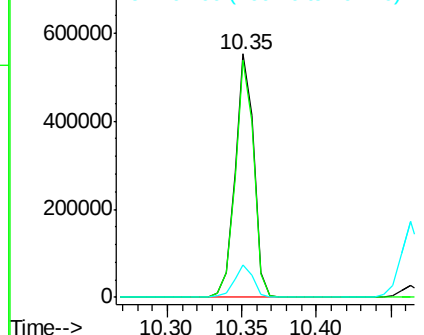
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 42.255 ng

RT: 10.14 min Scan# 1369

Delta R.T. -0.01 min

Lab File: BF100176.D

Acq: 4 Nov 2017 14:16

Tgt Ion:232 Resp: 106474

Ion Ratio Lower Upper

232 100

131 44.6 43.8 65.8

130 1.9 2.1 3.1#

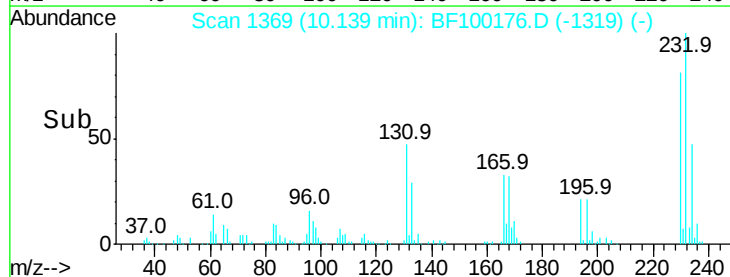
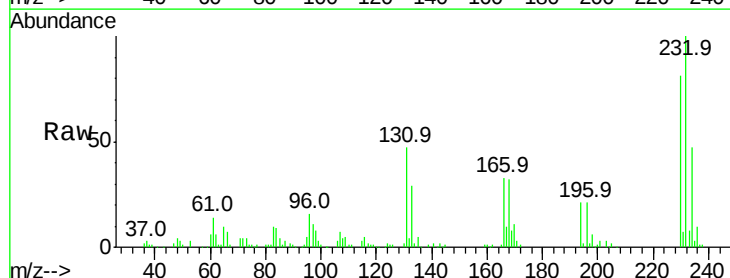
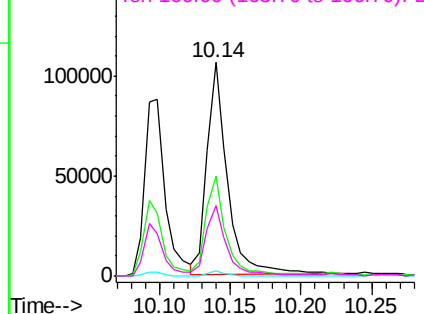
166 32.8 27.8 41.6

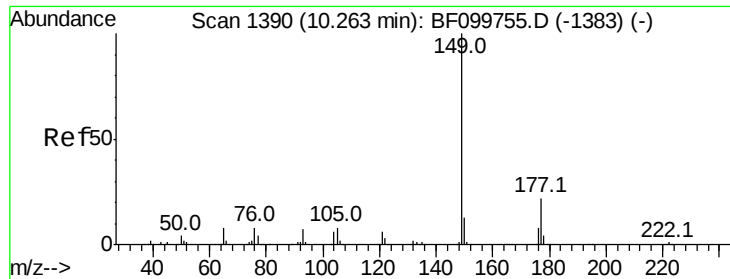
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





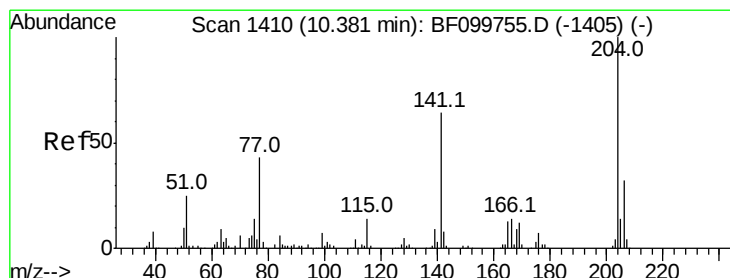
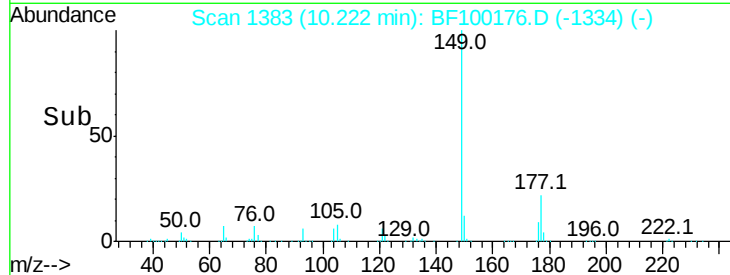
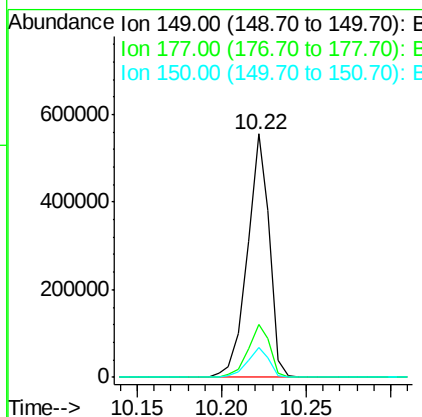
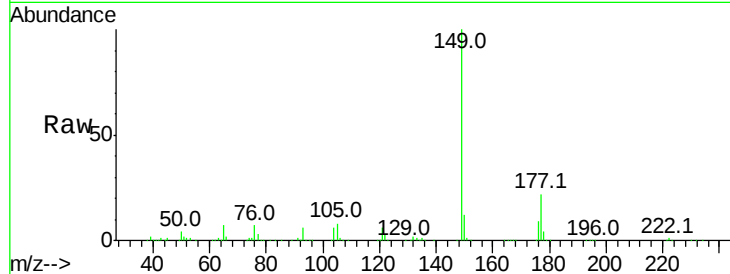
#59  
 Diethylphthalate  
 Concen: 37.559 ng  
 RT: 10.22 min Scan# 1383  
 Delta R.T. -0.01 min  
 Lab File: BF100176.D  
 Acq: 4 Nov 2017 14:16

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ERM-P-1MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 149   | Resp: | 503518 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 177       | 21.8  | 16.1  | 24.1   |
| 150       | 12.1  | 10.1  | 15.1   |

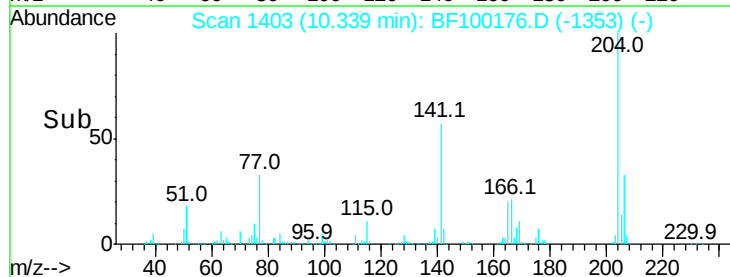
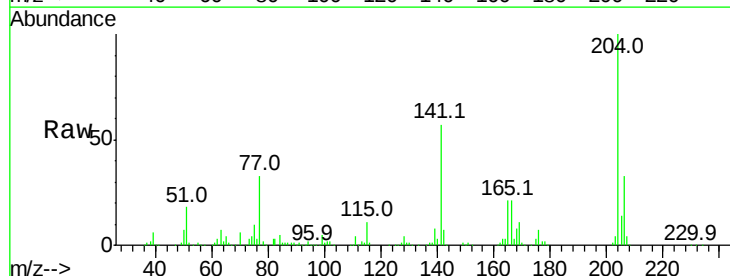
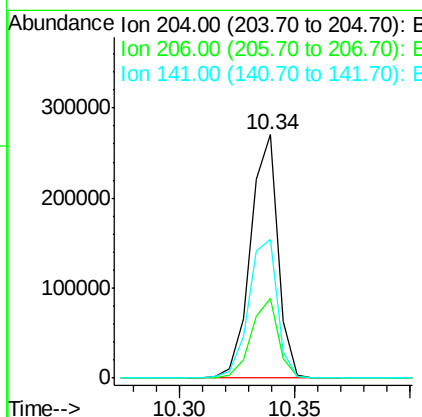
Manual Integrations  
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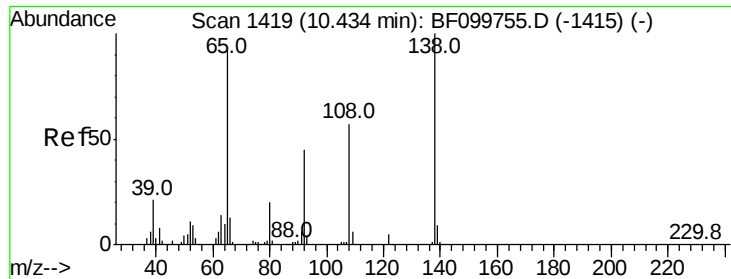
Sohil  
 11/6/2017 2:26:08 PM



#60  
 4-Chlorophenyl-phenylether  
 Concen: 38.134 ng  
 RT: 10.34 min Scan# 1403  
 Delta R.T. -0.01 min  
 Lab File: BF100176.D  
 Acq: 4 Nov 2017 14:16

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 204   | Resp: | 224817 |
| Ion Ratio | Lower | Upper |        |
| 204       | 100   |       |        |
| 206       | 32.9  | 26.5  | 39.7   |
| 141       | 56.8  | 54.6  | 81.8   |





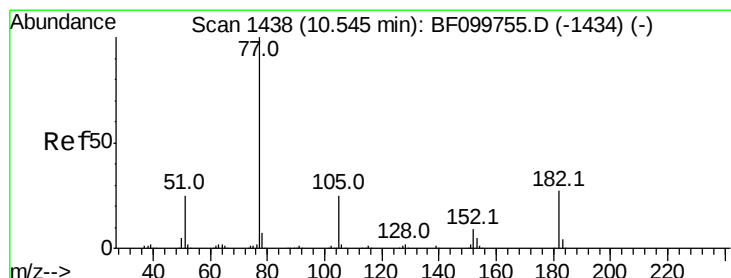
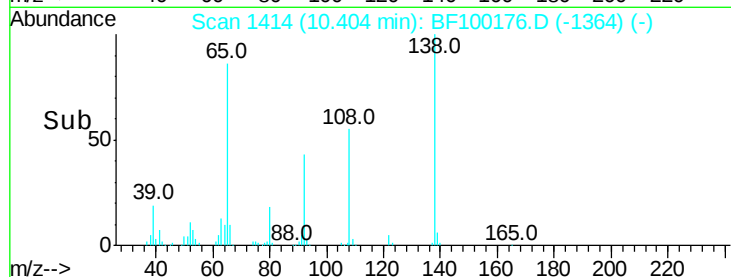
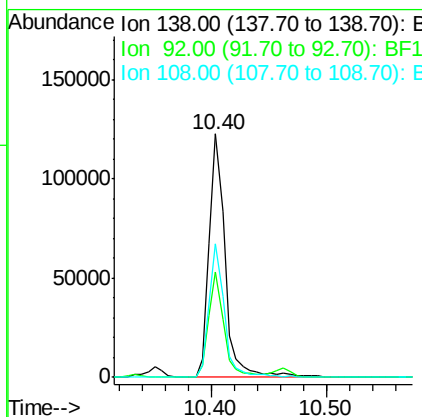
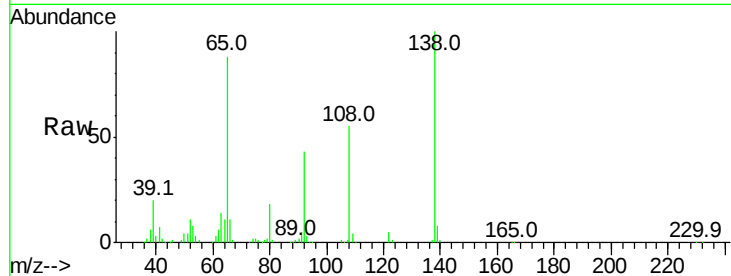
#61  
4-Nitroaniline  
Concen: 36.596 ng  
RT: 10.40 min Scan# 1414  
Delta R.T. -0.01 min  
Lab File: BF100176.D  
Acq: 4 Nov 2017 14:16

Instrument :  
BNA\_F  
ClientSampleId :  
ERM-P-1MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 43.1  | 30.2  | 70.2  |
| 108     | 55.0  | 52.5  | 92.5  |

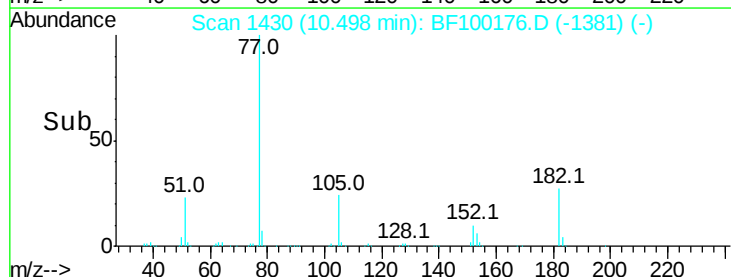
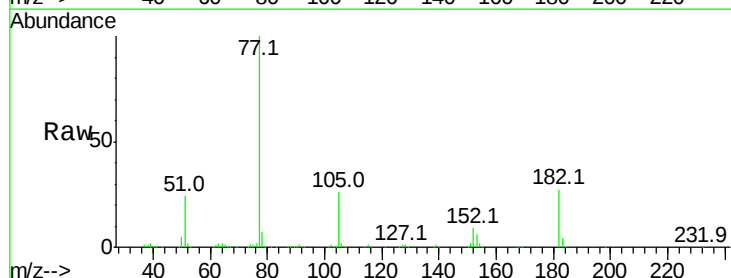
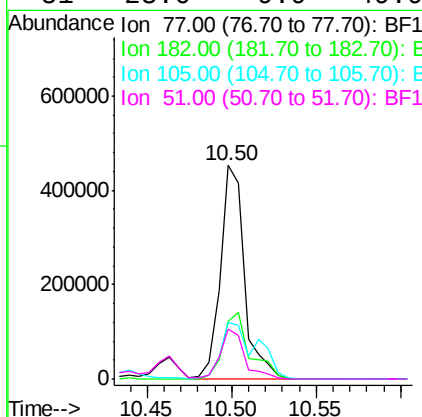
Manual Integrations  
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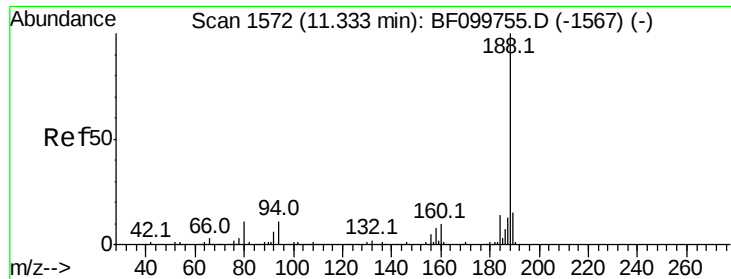
Sohil  
11/6/2017 2:26:08 PM



#62  
Azobenzene  
Concen: 40.159 ng  
RT: 10.50 min Scan# 1430  
Delta R.T. -0.01 min  
Lab File: BF100176.D  
Acq: 4 Nov 2017 14:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 26.9  | 1.7   | 41.7  |
| 105     | 26.3  | 3.0   | 43.0  |
| 51      | 23.6  | 9.9   | 49.9  |





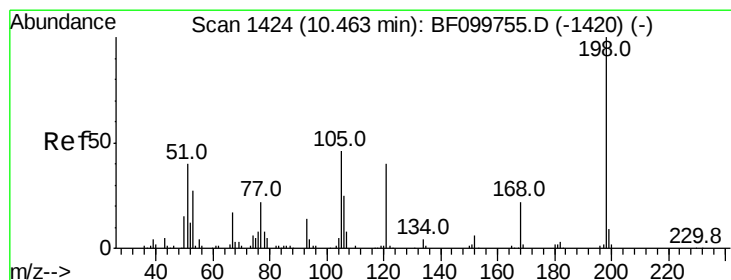
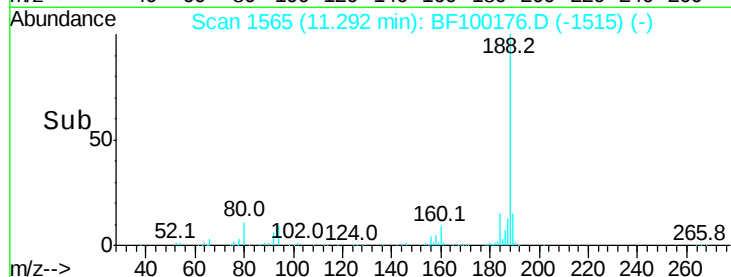
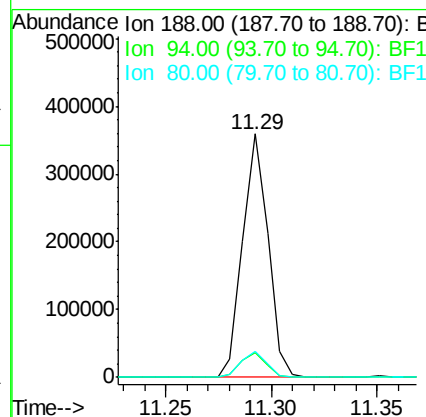
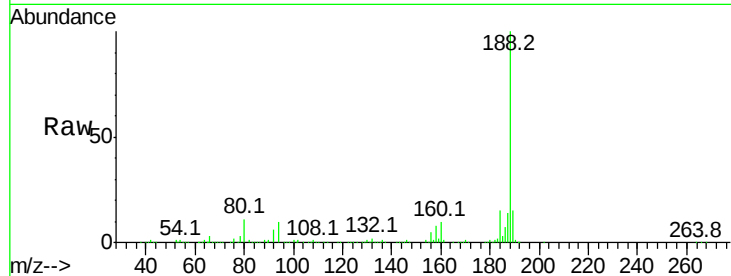
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.29 min Scan# 1565  
Delta R.T. -0.01 min  
Lab File: BF100176.D  
Acq: 4 Nov 2017 14:16

Instrument :  
BNA\_F  
ClientSampleId :  
ERM-P-1MS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 188     | 100   |            |       |
| 94      | 10.1  | 8.5        | 12.7  |
| 80      | 10.8  | 9.2        | 13.8  |

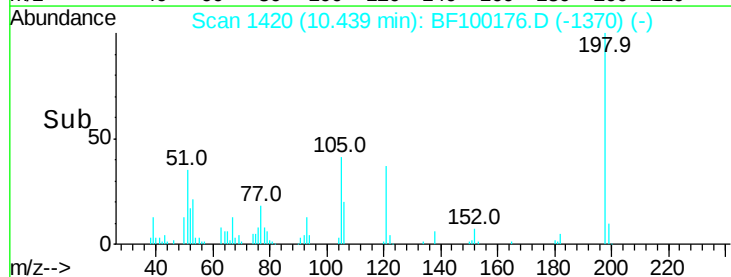
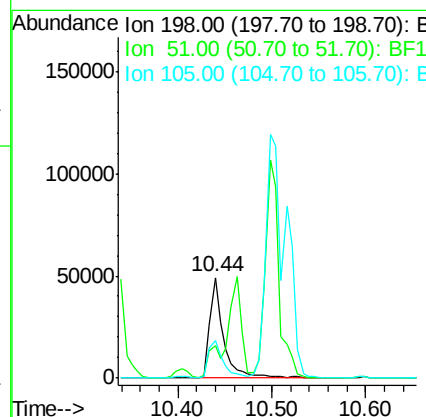
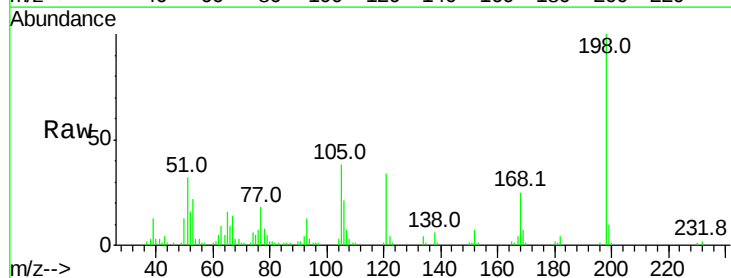
Manual Integrations  
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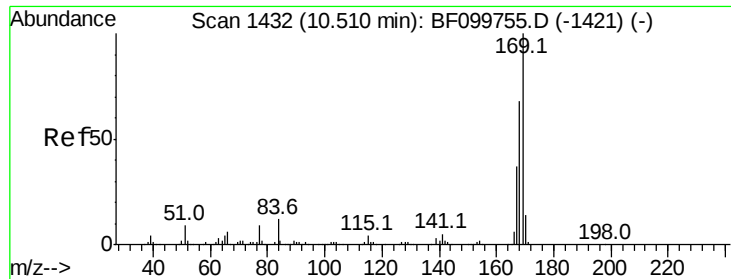
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#64  
4,6-Dinitro-2-methylphenol  
Concen: 27.021 ng  
RT: 10.44 min Scan# 1420  
Delta R.T. -0.01 min  
Lab File: BF100176.D  
Acq: 4 Nov 2017 14:16

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 198     | 100   |            |       |
| 51      | 32.1  | 37.7       | 77.7# |
| 105     | 37.9  | 36.3       | 76.3  |





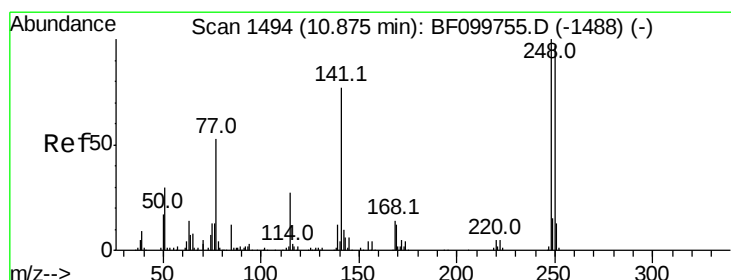
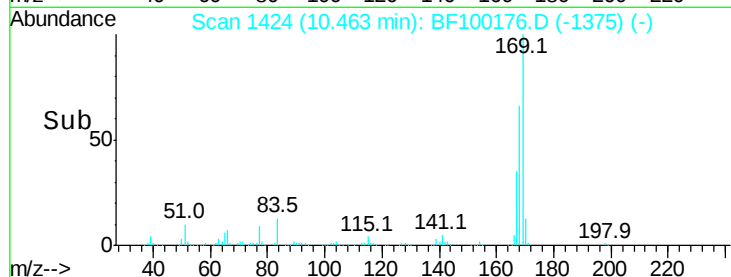
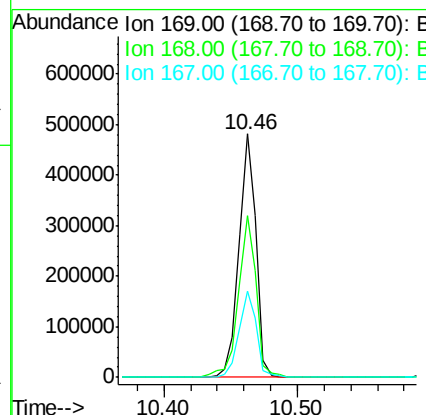
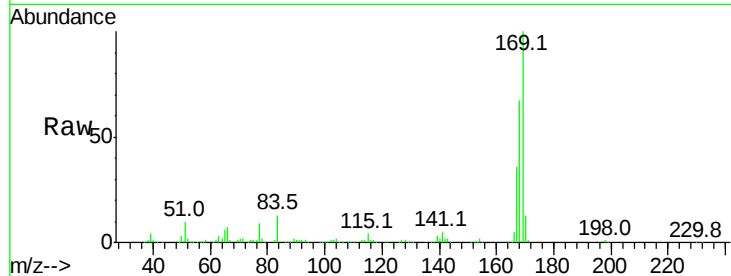
#65  
n-Nitrosodiphenylamine  
Concen: 39.247 ng  
RT: 10.46 min Scan# 1424  
Delta R.T. -0.01 min  
Lab File: BF100176.D  
Acq: 4 Nov 2017 14:16

Instrument :  
BNA\_F  
ClientSampleId :  
ERM-P-1MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 169     | 100   | 431295 |       |       |
| 168     | 66.6  |        | 54.4  | 81.6  |
| 167     | 35.6  |        | 29.8  | 44.6  |

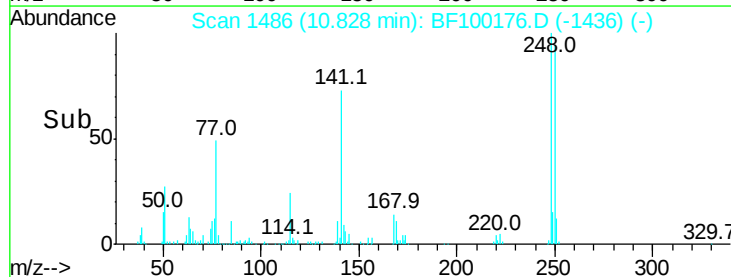
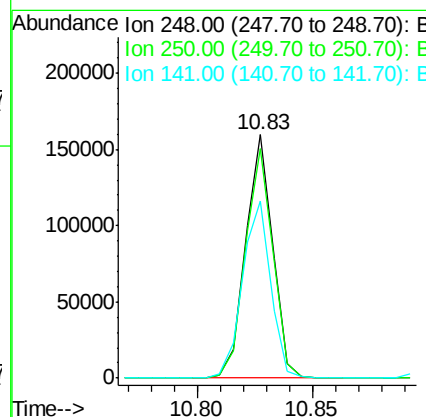
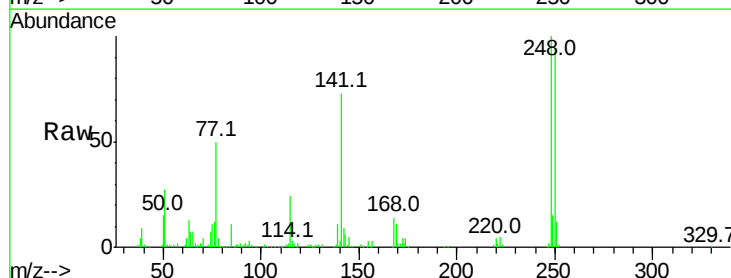
Manual Integrations  
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11/6/2017 2:26:08 PM



#66  
4-Bromophenyl-phenylether  
Concen: 41.727 ng  
RT: 10.83 min Scan# 1486  
Delta R.T. -0.01 min  
Lab File: BF100176.D  
Acq: 4 Nov 2017 14:16

| Tgt Ion | Ratio | Resp   | Lower | Upper  |
|---------|-------|--------|-------|--------|
| 248     | 100   | 130774 |       |        |
| 250     | 94.5  |        | 76.9  | 115.3  |
| 141     | 72.8  |        | 74.4  | 111.6# |





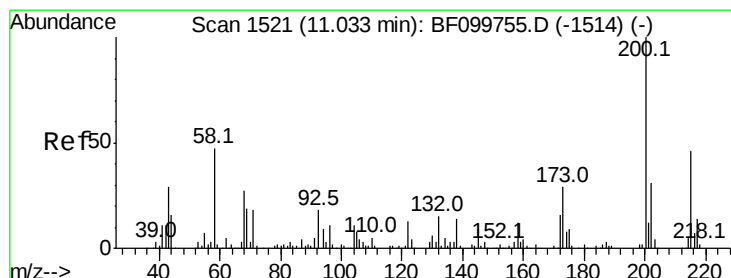
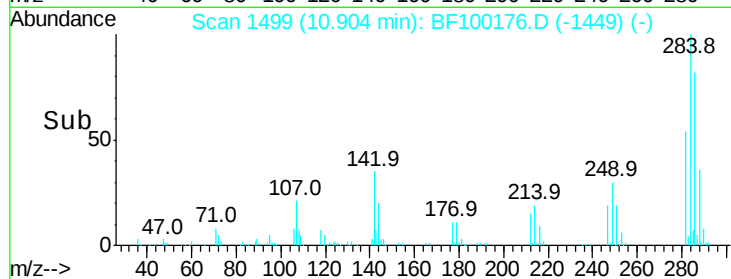
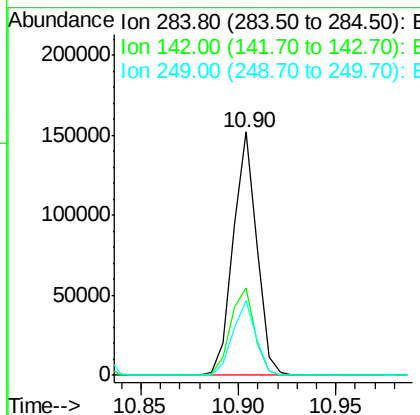
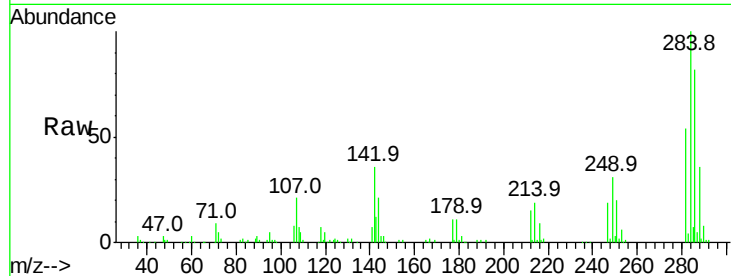
#67  
Hexachlorobenzene  
Concen: 39.702 ng  
RT: 10.90 min Scan# 1499  
Delta R.T. -0.01 min  
Lab File: BF100176.D  
Acq: 4 Nov 2017 14:16

Instrument :  
BNA\_F  
ClientSampleId :  
ERM-P-1MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 284     | 100   | 127296 |       |       |
| 142     | 35.7  |        | 34.6  | 52.0  |
| 249     | 30.8  |        | 24.8  | 37.2  |

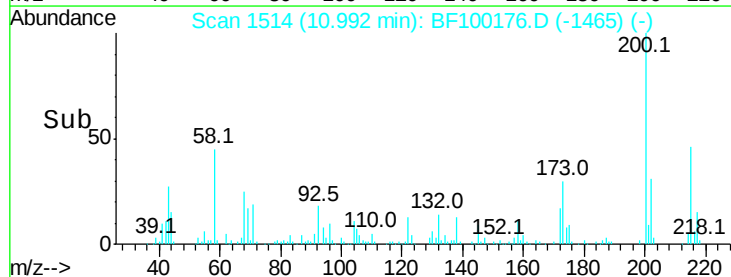
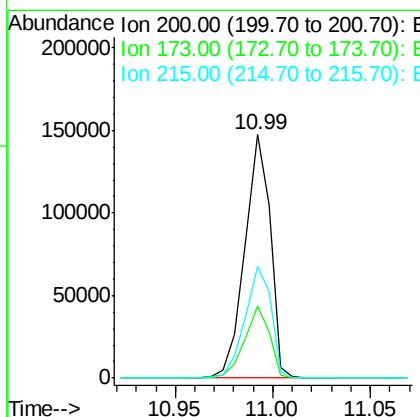
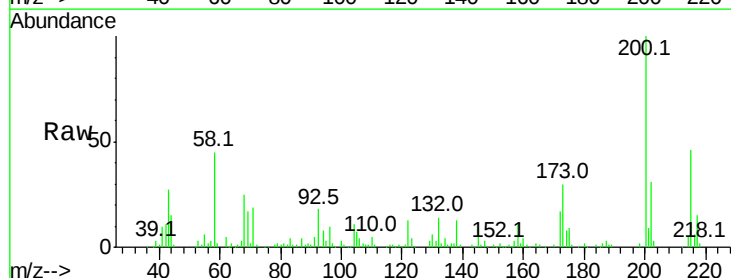
Manual Integrations  
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11/6/2017 2:26:08 PM



#68  
Atrazine  
Concen: 40.471 ng  
RT: 10.99 min Scan# 1514  
Delta R.T. -0.01 min  
Lab File: BF100176.D  
Acq: 4 Nov 2017 14:16

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 200     | 100   | 133596 |       |       |
| 173     | 29.6  |        | 8.6   | 48.6  |
| 215     | 46.1  |        | 25.1  | 65.1  |





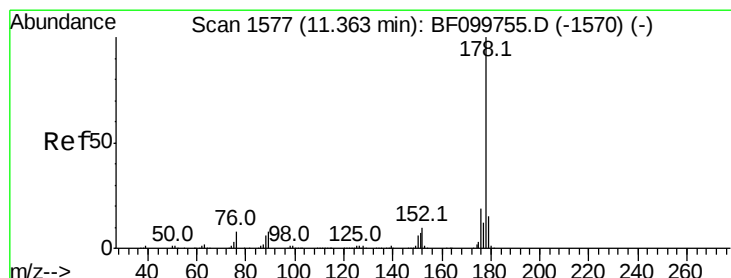
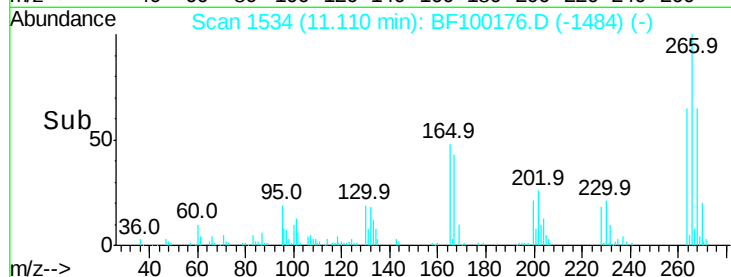
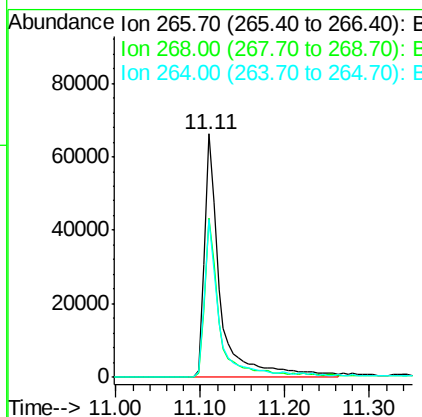
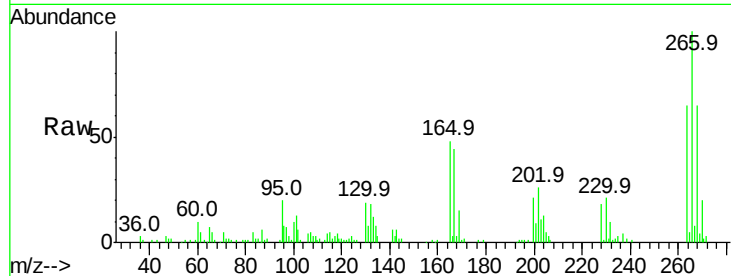
#69  
 Pentachlorophenol  
 Concen: 63.302 ng  
 RT: 11.11 min Scan# 1534  
 Delta R.T. -0.01 min  
 Lab File: BF100176.D  
 Acq: 4 Nov 2017 14:16

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ERM-P-1MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 65.5  | 51.1  | 76.7  |
| 264     | 64.9  | 49.5  | 74.3  |

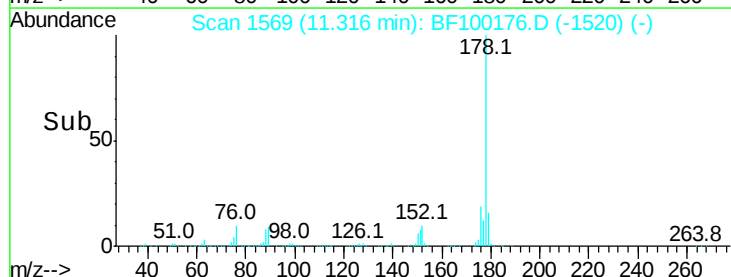
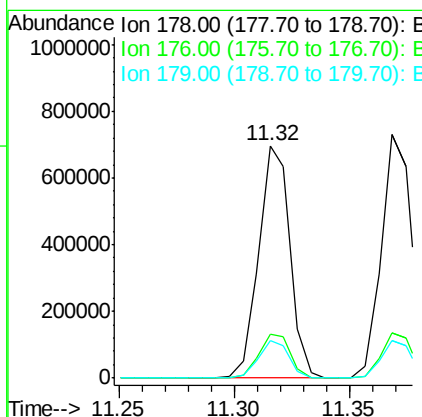
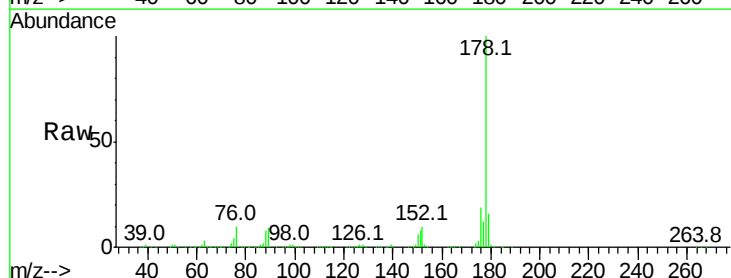
Manual Integrations  
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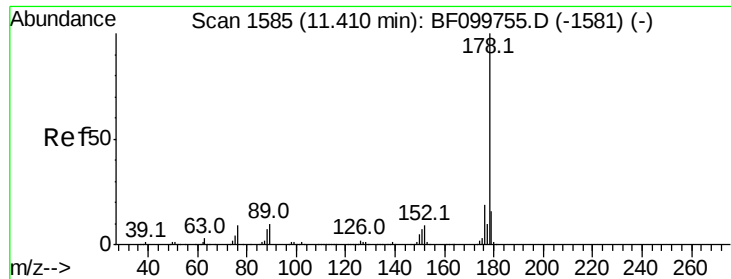
Sohil  
 11/6/2017 2:26:08 PM



#70  
 Phenanthrene  
 Concen: 39.067 ng  
 RT: 11.32 min Scan# 1569  
 Delta R.T. -0.01 min  
 Lab File: BF100176.D  
 Acq: 4 Nov 2017 14:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.9  | 15.8  | 23.8  |
| 179     | 16.0  | 13.0  | 19.6  |





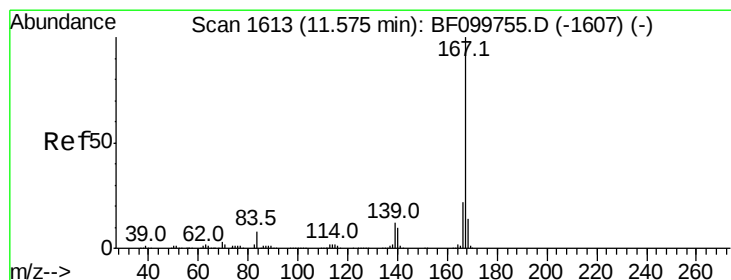
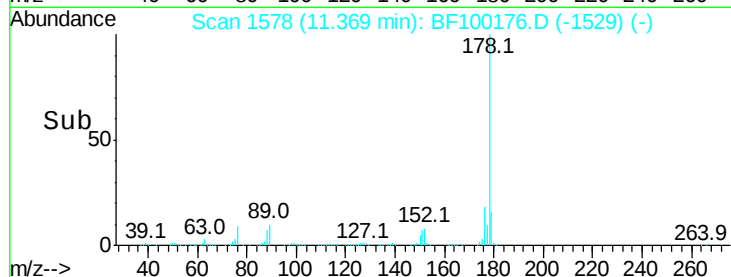
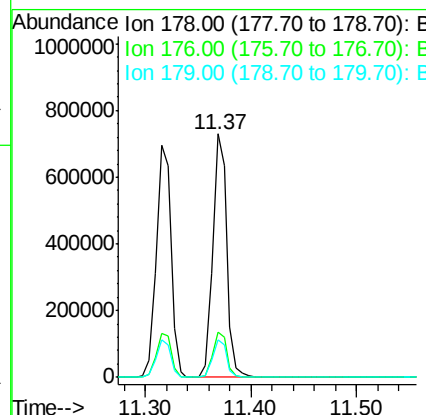
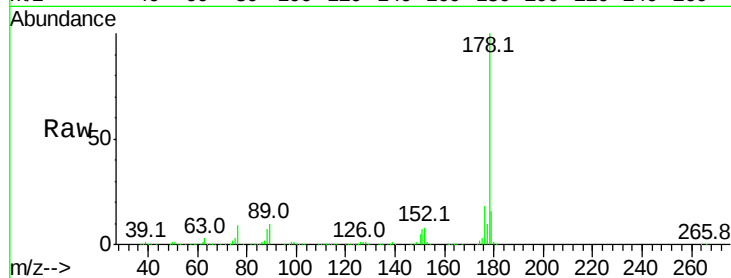
#71  
 Anthracene  
 Concen: 39.828 ng  
 RT: 11.37 min Scan# 1578  
 Delta R.T. -0.01 min  
 Lab File: BF100176.D  
 Acq: 4 Nov 2017 14:16

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ERM-P-1MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.4  | 15.4  | 23.2  |
| 179     | 15.6  | 12.6  | 19.0  |

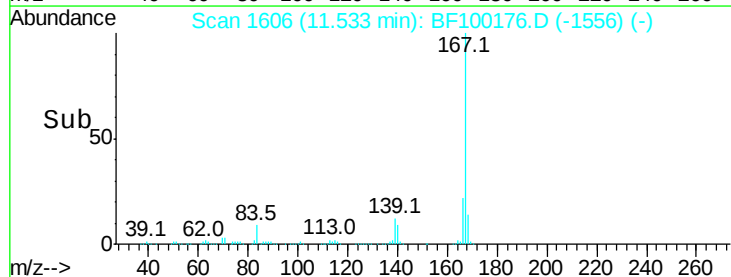
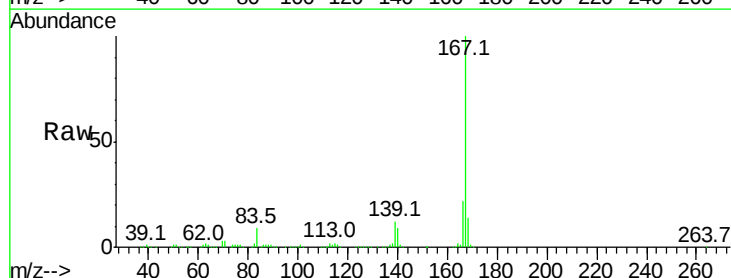
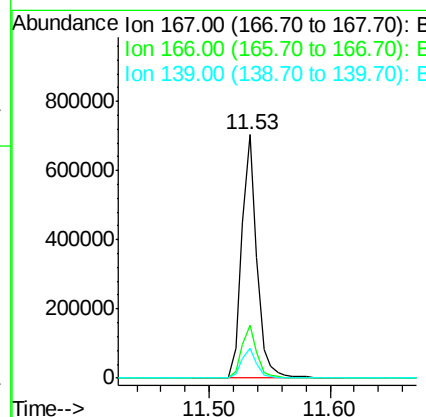
Manual Integrations  
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#72  
 Carbazole  
 Concen: 38.775 ng  
 RT: 11.53 min Scan# 1606  
 Delta R.T. -0.01 min  
 Lab File: BF100176.D  
 Acq: 4 Nov 2017 14:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 21.9  | 17.6  | 26.4  |
| 139     | 12.2  | 10.9  | 16.3  |





#73

Di-n-butylphthalate

Concen: 37.972 ng

RT: 11.84 min Scan# 1658

Delta R.T. -0.01 min

Lab File: BF100176.D

Acq: 4 Nov 2017 14:16

Instrument :

BNA\_F

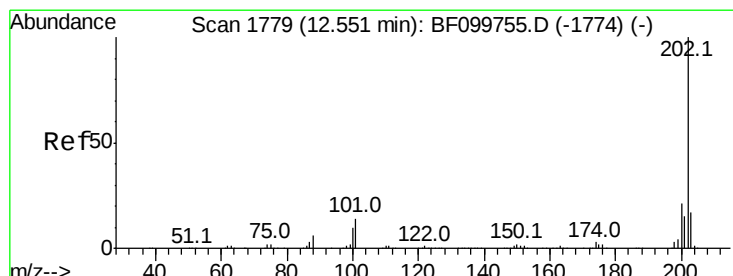
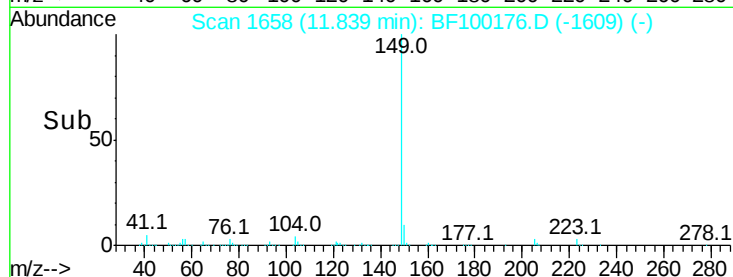
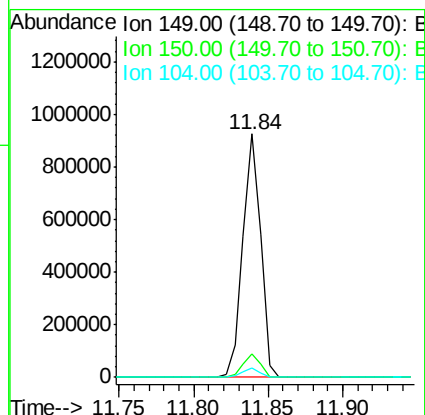
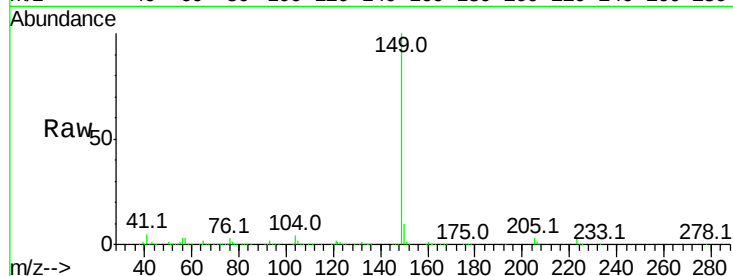
ClientSampleId :

ERM-P-1MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 149   | Resp: | 776688 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 150       | 9.6   | 7.8   | 11.6   |
| 104       | 3.9   | 3.8   | 5.8    |

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#74

Fluoranthene

Concen: 35.368 ng

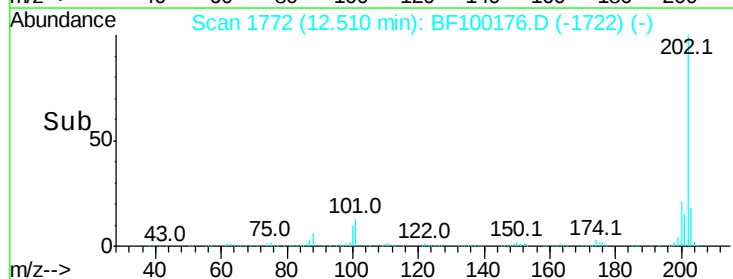
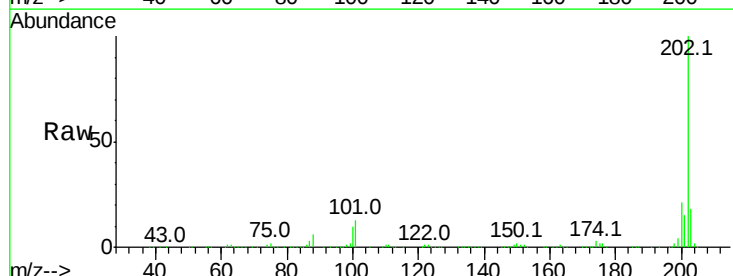
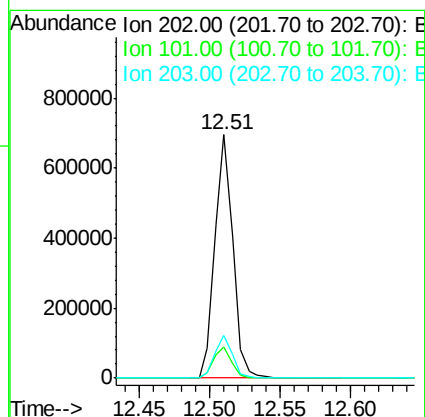
RT: 12.51 min Scan# 1772

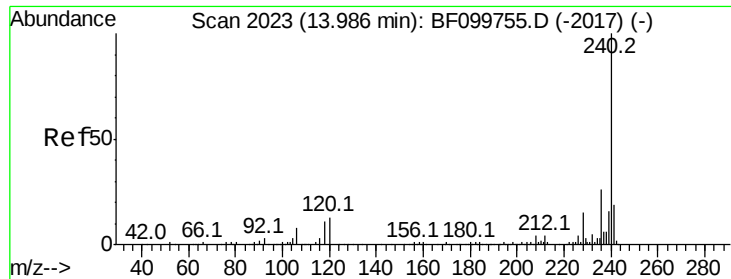
Delta R.T. -0.01 min

Lab File: BF100176.D

Acq: 4 Nov 2017 14:16

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 617497 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 13.0  | 0.0   | 34.1   |
| 203       | 17.6  | 0.0   | 38.1   |





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.94 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF100176.D

Acq: 4 Nov 2017 14:16

Instrument :

BNA\_F

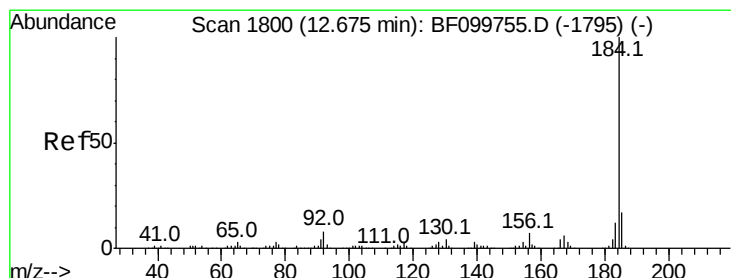
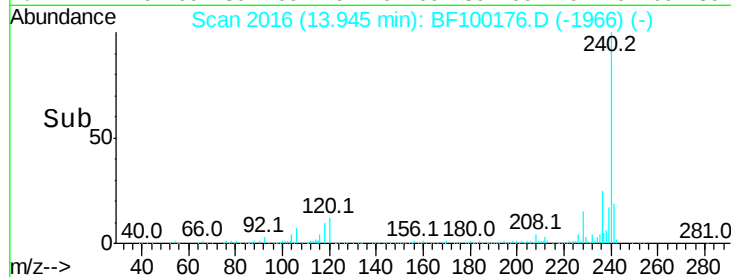
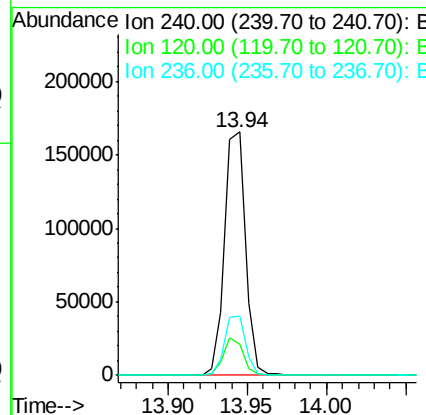
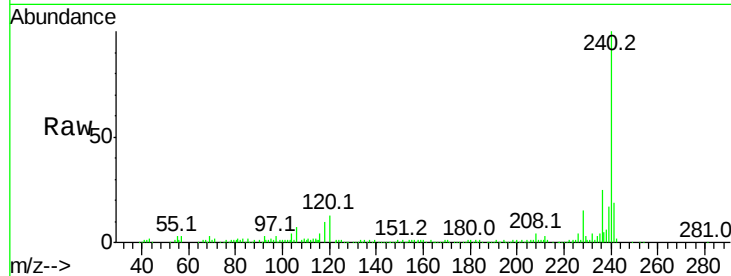
ClientSampleId :

ERM-P-1MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 12.5  | 9.5   | 14.3  |
| 236     | 24.6  | 20.7  | 31.1  |

Manual Integrations  
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#76

Benzidine

Concen: 24.379 ng

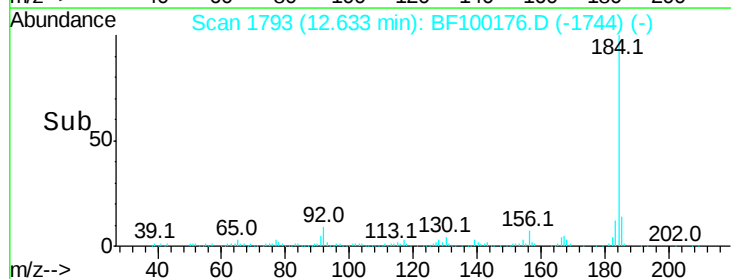
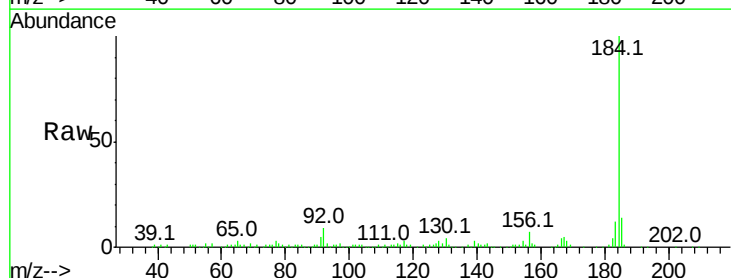
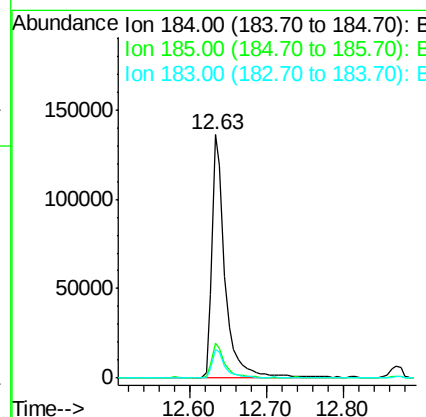
RT: 12.63 min Scan# 1793

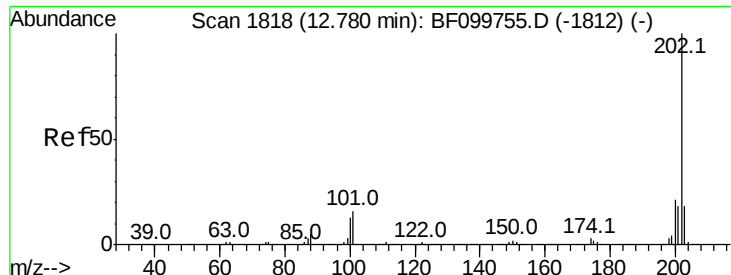
Delta R.T. -0.01 min

Lab File: BF100176.D

Acq: 4 Nov 2017 14:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 185     | 14.3  | 12.6  | 18.8  |
| 183     | 11.9  | 9.3   | 13.9  |





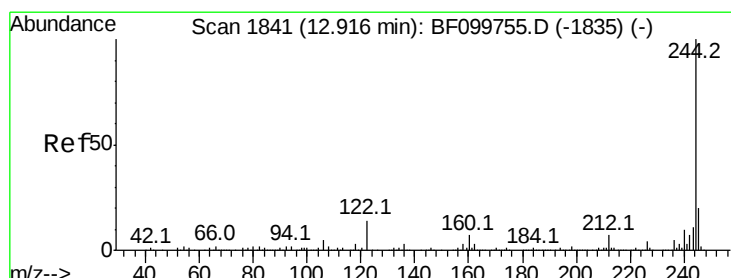
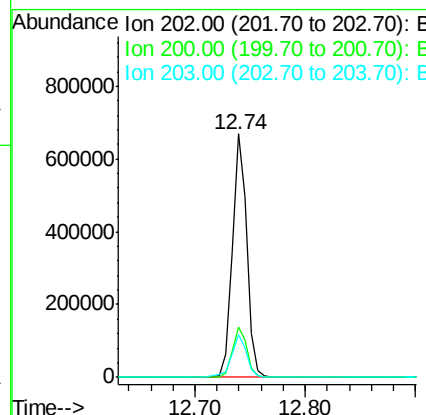
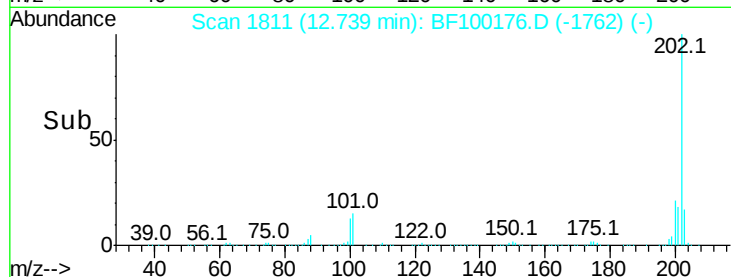
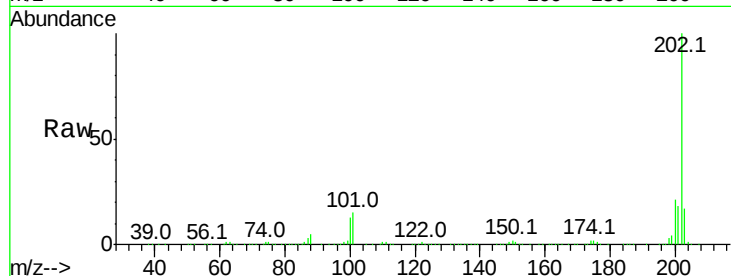
#77  
Pvrene  
Concen: 52.887 ng  
RT: 12.74 min Scan# 1811  
Delta R.T. -0.01 min  
Lab File: BF100176.D  
Acq: 4 Nov 2017 14:16

Instrument :  
BNA\_F  
ClientSampleId :  
ERM-P-1MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 20.7  | 17.4  | 26.2  |
| 203     | 17.3  | 14.3  | 21.5  |

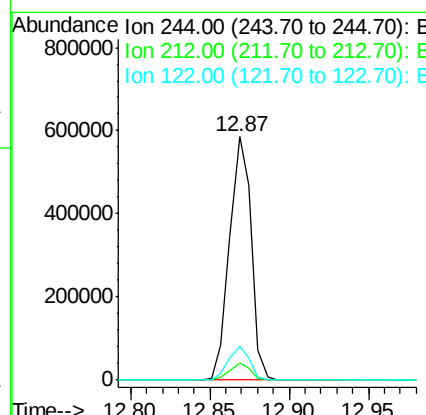
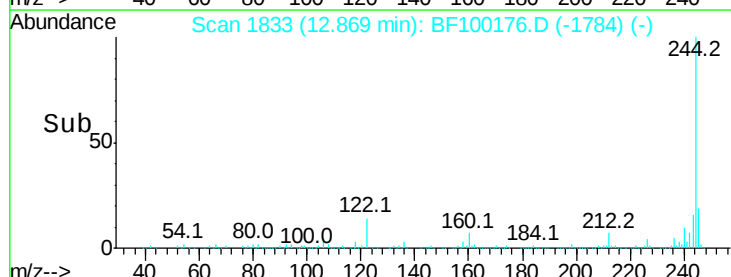
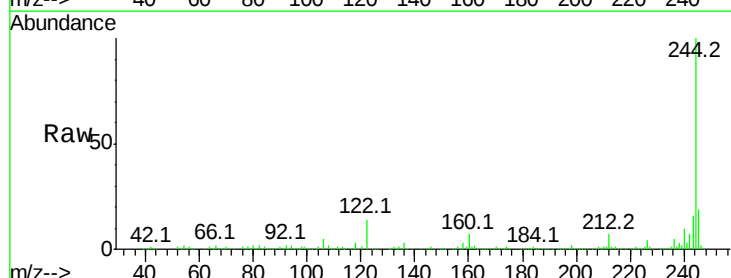
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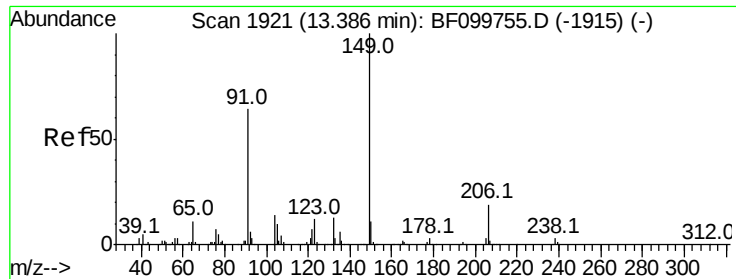
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#78  
Terphenyl-d14  
Concen: 79.525 ng  
RT: 12.87 min Scan# 1833  
Delta R.T. -0.01 min  
Lab File: BF100176.D  
Acq: 4 Nov 2017 14:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 6.9   | 5.4   | 8.0   |
| 122     | 13.6  | 11.0  | 16.4  |





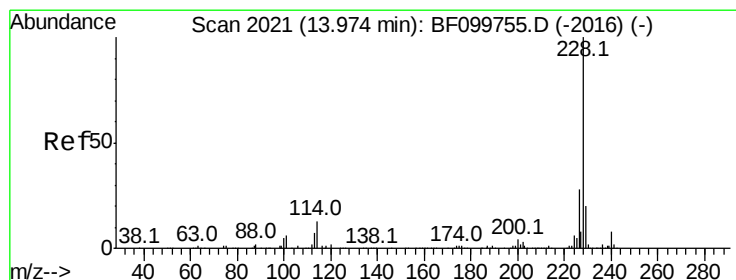
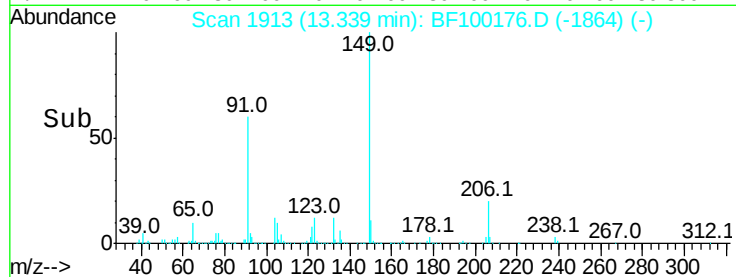
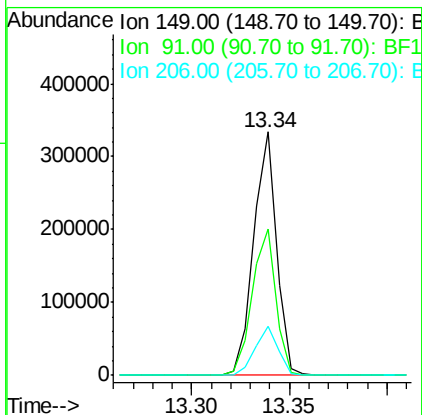
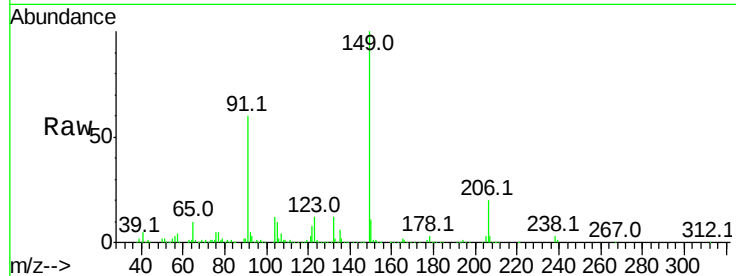
#79  
Butylbenzylphthalate  
Concen: 47.420 ng  
RT: 13.34 min Scan# 1913  
Delta R.T. -0.01 min  
Lab File: BF100176.D  
Acq: 4 Nov 2017 14:16

Instrument :  
BNA\_F  
ClientSampleId :  
ERM-P-1MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 60.3  | 56.8  | 85.2  |
| 206     | 20.3  | 14.1  | 21.1  |

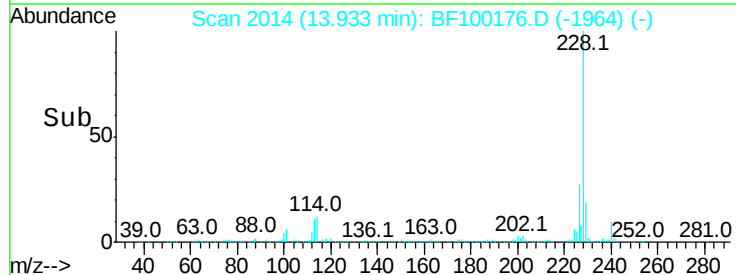
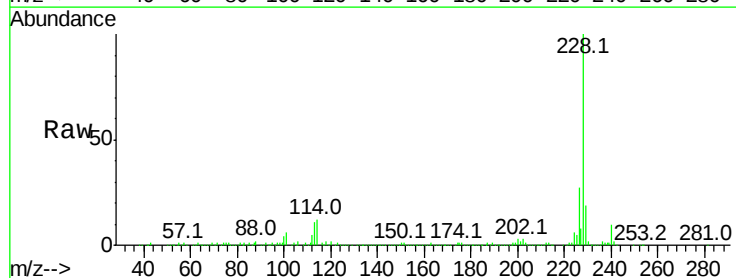
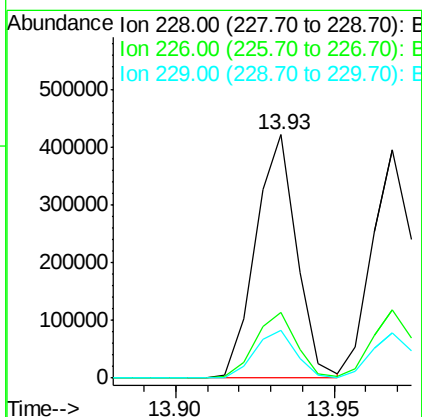
Manual Integrations  
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#80  
Benzo(a)anthracene  
Concen: 39.079 ng  
RT: 13.93 min Scan# 2014  
Delta R.T. -0.01 min  
Lab File: BF100176.D  
Acq: 4 Nov 2017 14:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 27.2  | 22.6  | 33.8  |
| 229     | 19.5  | 15.8  | 23.6  |





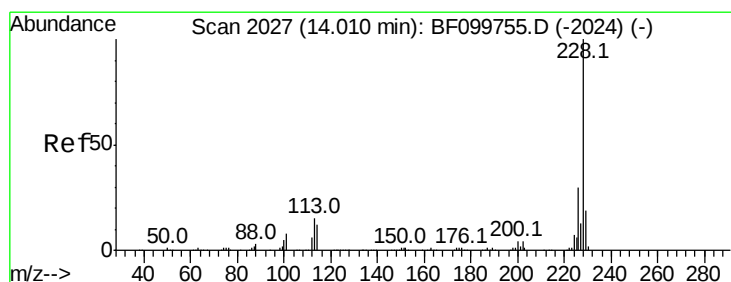
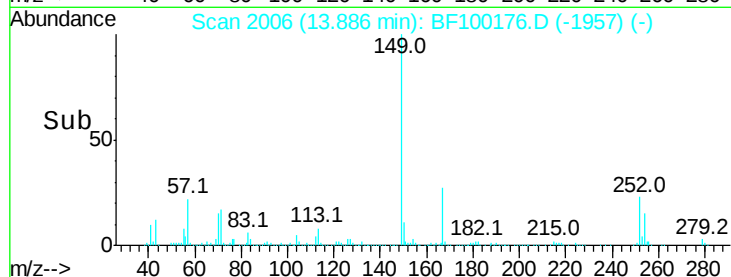
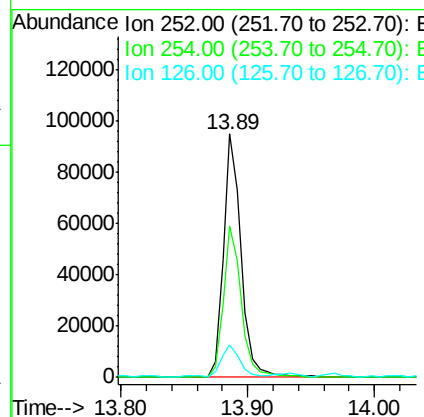
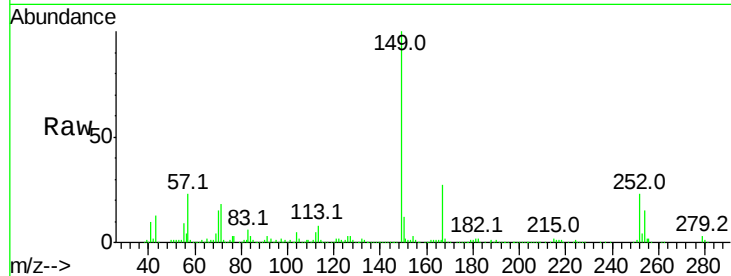
#81  
3,3'-Dichlorobenzidine  
Concen: 26.509 ng  
RT: 13.89 min Scan# 2006  
Delta R.T. -0.01 min  
Lab File: BF100176.D  
Acq: 4 Nov 2017 14:16

Instrument :  
BNA\_F  
ClientSampleId :  
ERM-P-1MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 62.4  | 50.4  | 75.6  |
| 126     | 13.1  | 11.3  | 16.9  |

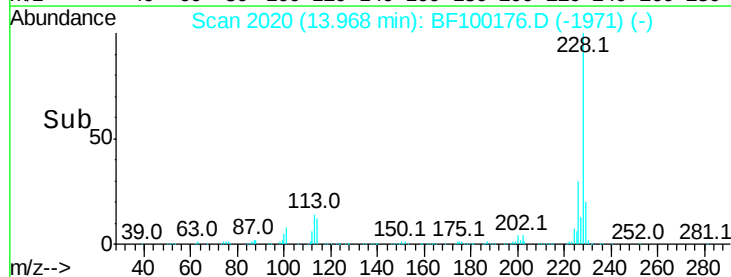
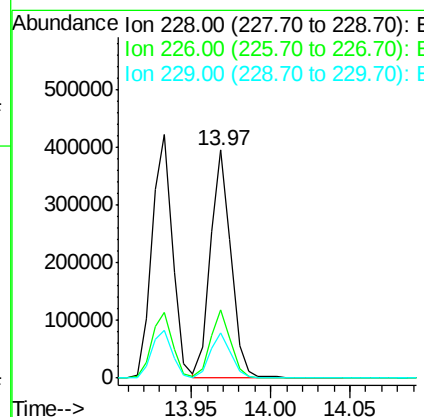
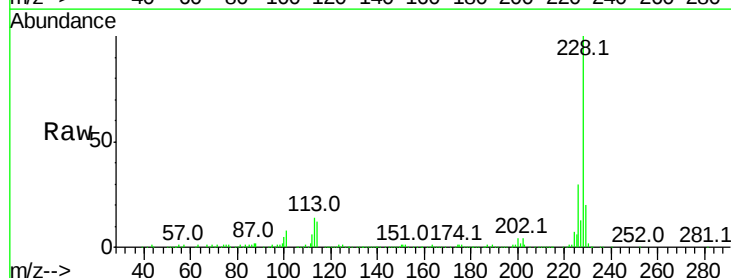
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#82  
Chrysene  
Concen: 39.631 ng  
RT: 13.97 min Scan# 2020  
Delta R.T. -0.01 min  
Lab File: BF100176.D  
Acq: 4 Nov 2017 14:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.1  | 25.0  | 37.6  |
| 229     | 20.1  | 16.2  | 24.4  |





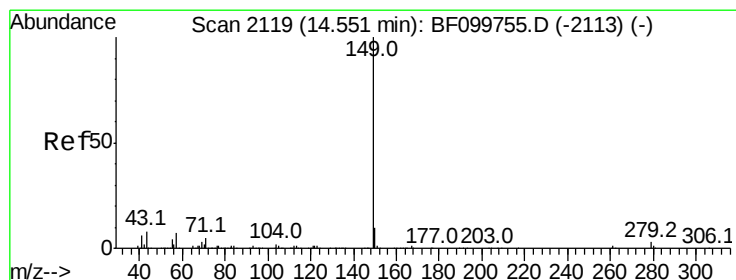
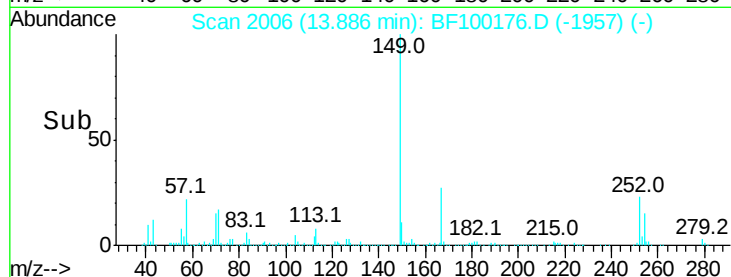
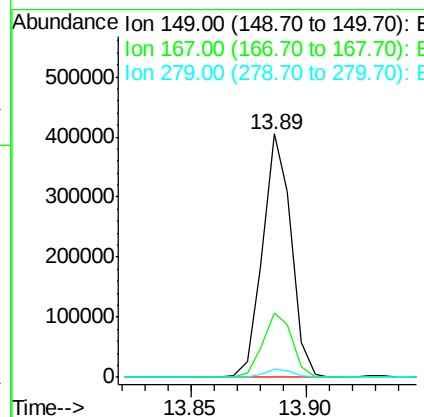
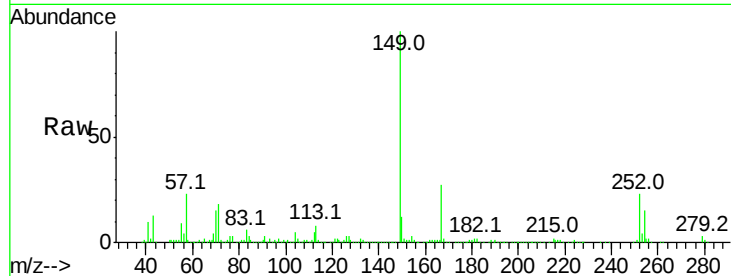
#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 43.234 ng  
 RT: 13.89 min Scan# 2006  
 Delta R.T. -0.01 min  
 Lab File: BF100176.D  
 Acq: 4 Nov 2017 14:16

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ERM-P-1MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 347090 |       |       |
| 167     | 26.6  | 21.3   | 31.9  |       |
| 279     | 3.3   | 3.0    | 4.4   |       |

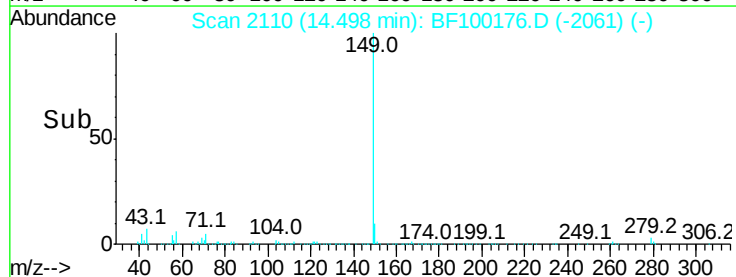
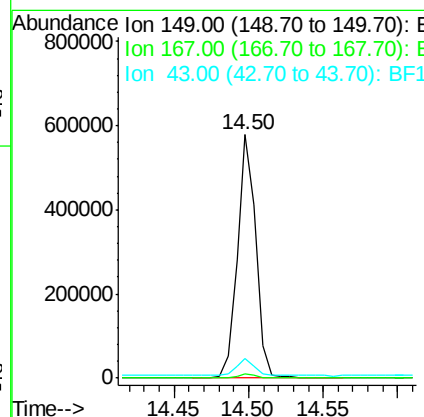
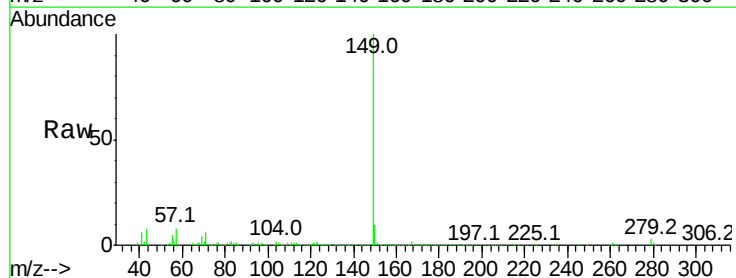
Manual Integrations  
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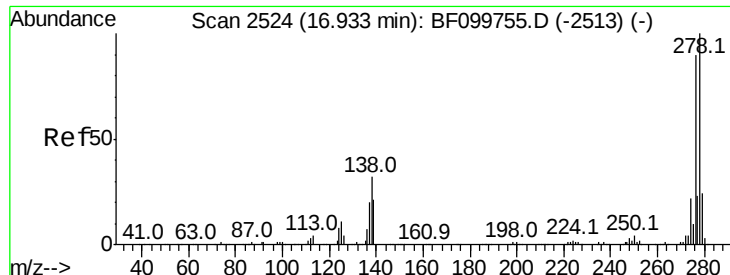
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#84  
 Di-n-octyl phthalate  
 Concen: 36.046 ng  
 RT: 14.50 min Scan# 2110  
 Delta R.T. -0.01 min  
 Lab File: BF100176.D  
 Acq: 4 Nov 2017 14:16

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 496694 |       |       |
| 167     | 1.4   | 1.2    | 1.8   |       |
| 43      | 6.9   | 8.4    | 12.6  |       |





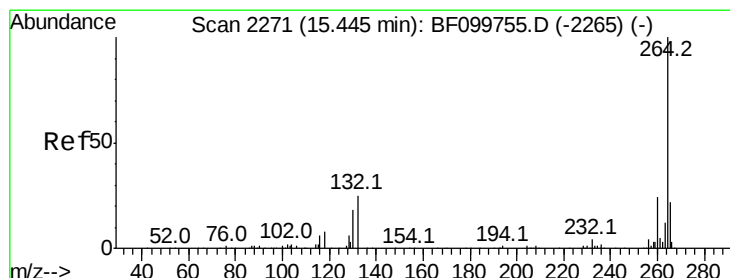
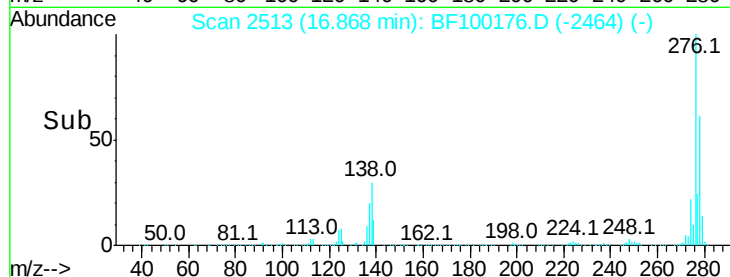
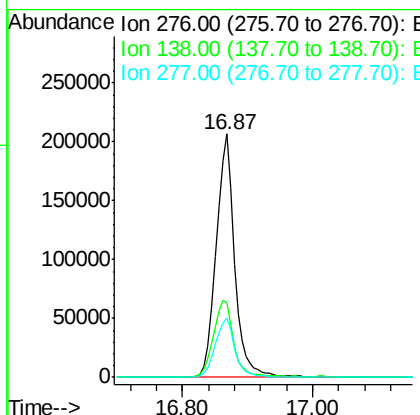
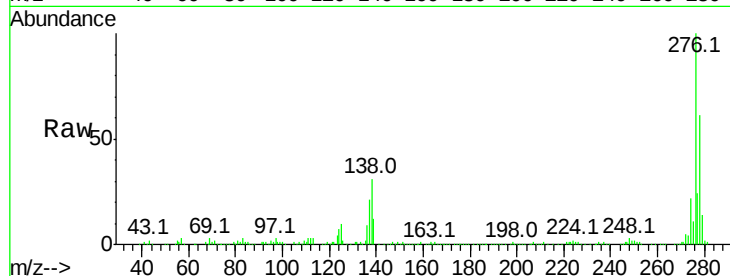
#85  
Indeno(1,2,3-cd)pyrene  
Concen: 48.800 ng  
RT: 16.87 min Scan# 2513  
Delta R.T. -0.01 min  
Lab File: BF100176.D  
Acq: 4 Nov 2017 14:16

Instrument :  
BNA\_F  
ClientSampled :  
ERM-P-1MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 34.3  | 25.0  | 37.6  |
| 277     | 25.4  | 20.1  | 30.1  |

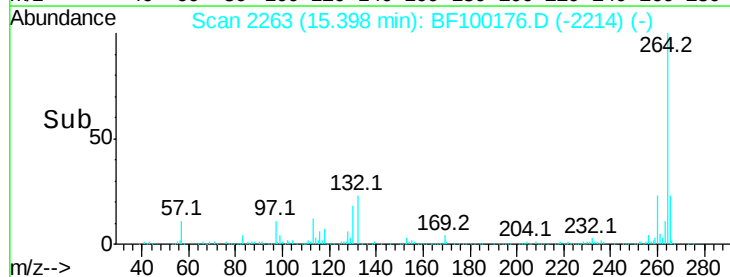
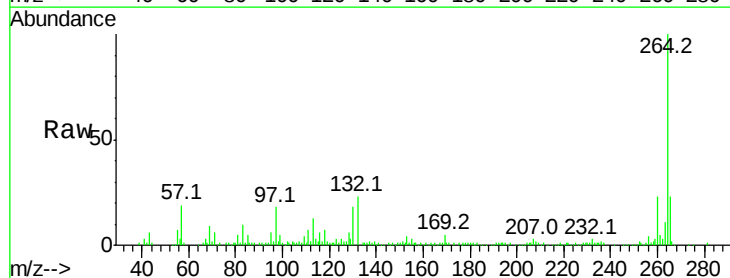
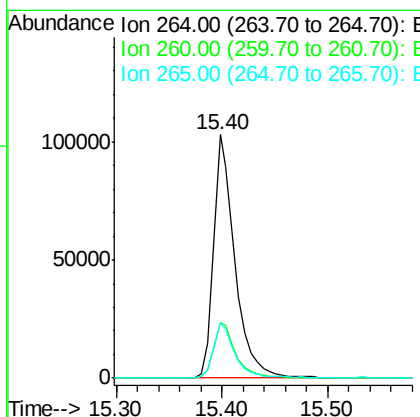
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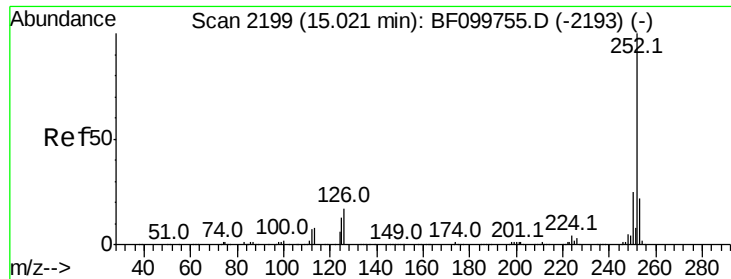
Sohil  
11/6/2017 2:26:08 PM



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.40 min Scan# 2263  
Delta R.T. -0.01 min  
Lab File: BF100176.D  
Acq: 4 Nov 2017 14:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.8  | 19.2  | 28.8  |
| 265     | 22.5  | 17.5  | 26.3  |





#87

Benzo(b)fluoranthene

Concen: 37.389 ng

RT: 14.98 min Scan# 2192

Delta R.T. -0.01 min

Lab File: BF100176.D

Acq: 4 Nov 2017 14:16

Instrument :

BNA\_F

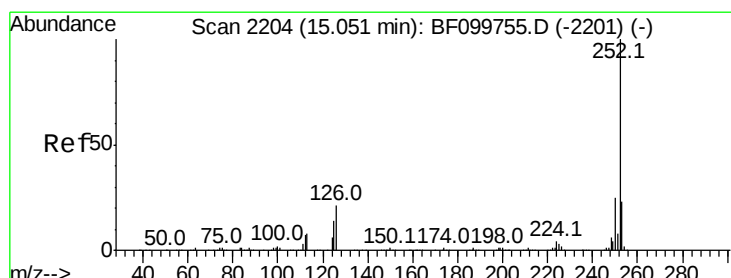
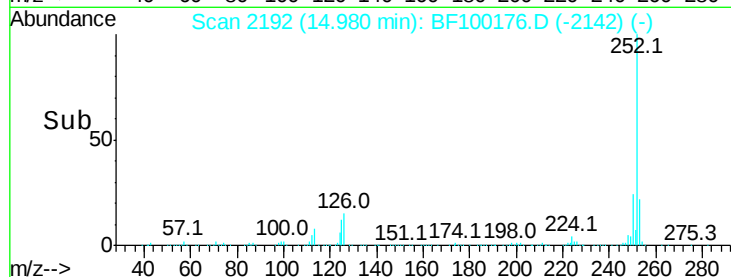
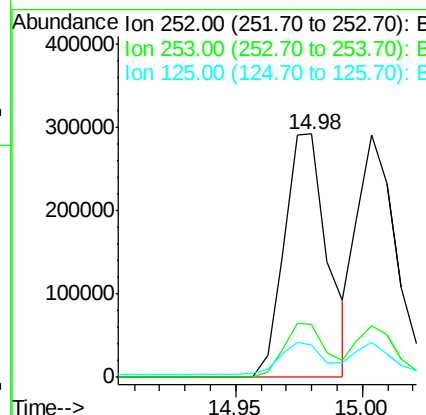
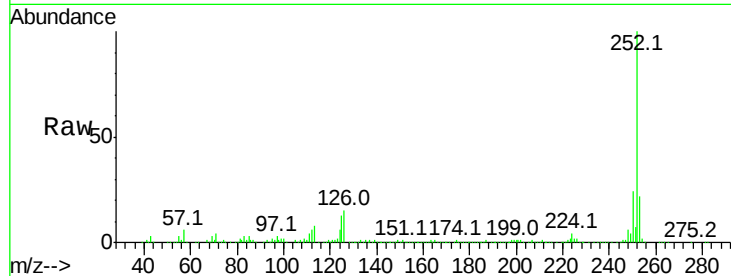
ClientSampleId :

ERM-P-1MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 252   | Resp: | 346789 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 21.7  | 17.0  | 25.6   |
| 125       | 13.3  | 9.0   | 13.6   |

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#88

Benzo(k)fluoranthene

Concen: 36.220 ng

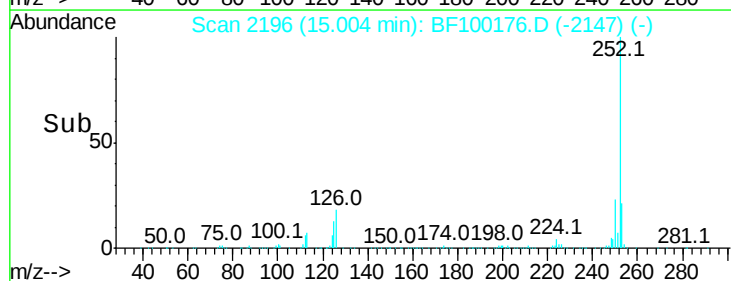
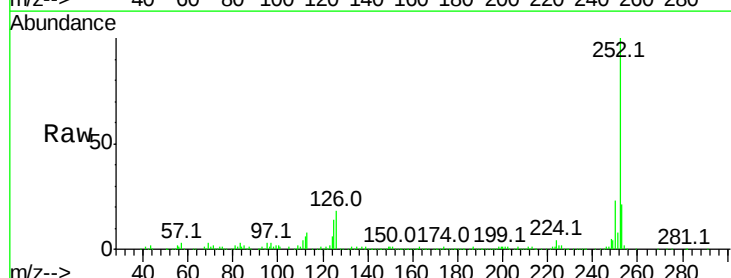
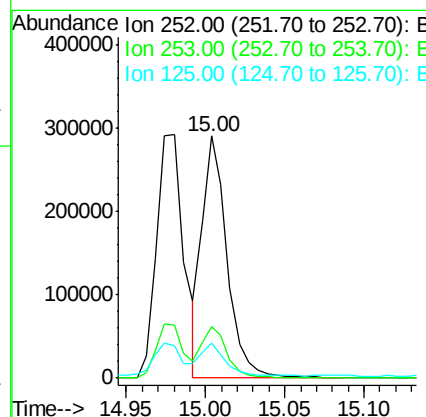
RT: 15.00 min Scan# 2196

Delta R.T. -0.01 min

Lab File: BF100176.D

Acq: 4 Nov 2017 14:16

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 316788 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 21.3  | 17.9  | 26.9   |
| 125       | 14.4  | 10.2  | 15.2   |





#89

Benzo(a)pyrene

Concen: 39.961 ng

RT: 15.34 min Scan# 2253

Delta R.T. -0.01 min

Lab File: BF100176.D

Acq: 4 Nov 2017 14:16

Instrument :

BNA\_F

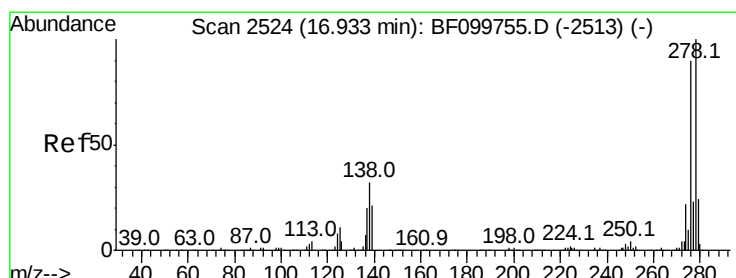
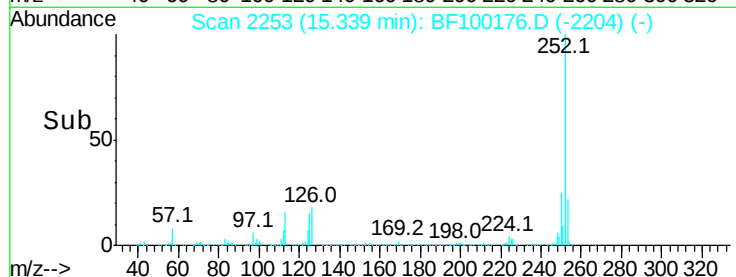
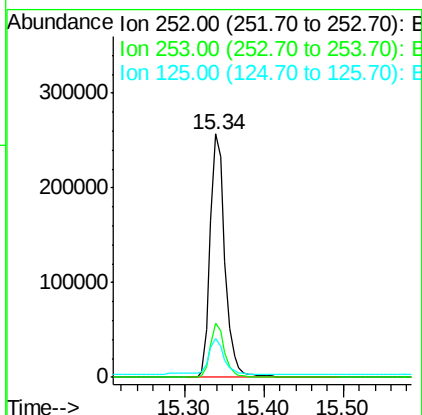
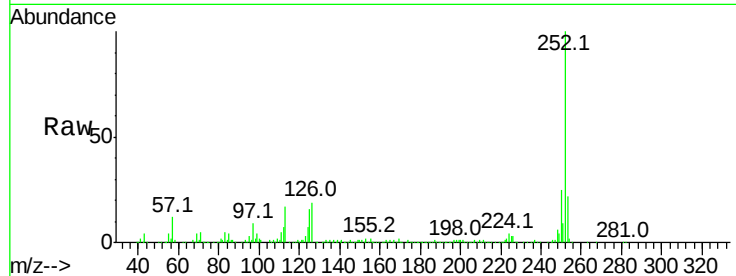
ClientSampleId :

ERM-P-1MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 252   | Resp: | 332938 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 22.2  | 17.1  | 25.7   |
| 125       | 15.7  | 9.8   | 14.6   |

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#90

Dibenzo(a,h)anthracene

Concen: 46.987 ng

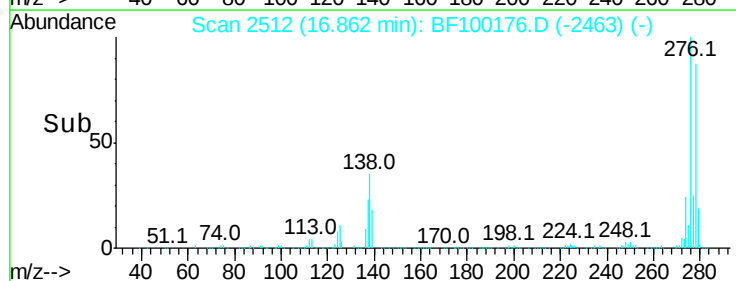
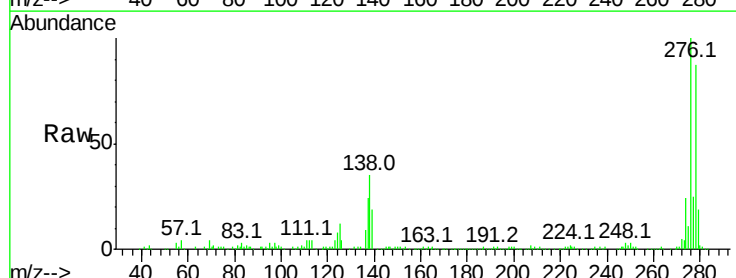
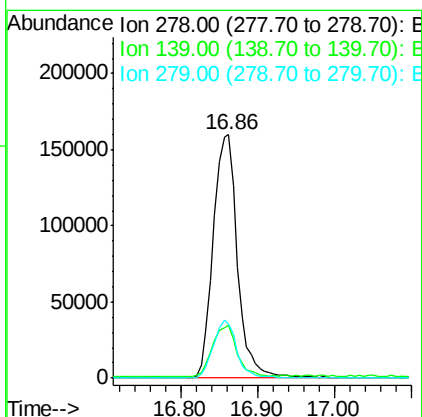
RT: 16.86 min Scan# 2512

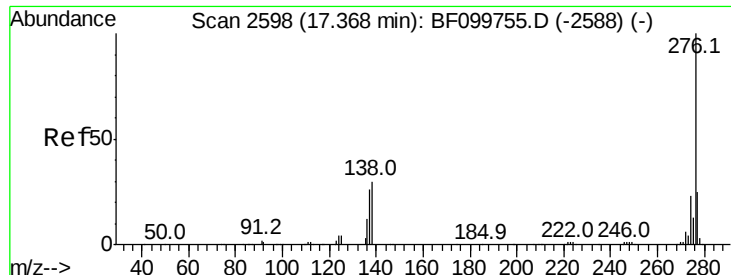
Delta R.T. -0.01 min

Lab File: BF100176.D

Acq: 4 Nov 2017 14:16

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 278   | Resp: | 347854 |
| Ion Ratio | Lower | Upper |        |
| 278       | 100   |       |        |
| 139       | 21.6  | 15.9  | 23.9   |
| 279       | 22.2  | 19.0  | 28.4   |





#91  
 Benzo(a,h,i)perylene  
 Concen: 49.315 ng  
 RT: 17.30 min Scan# 2587  
 Delta R.T. -0.02 min  
 Lab File: BF100176.D  
 Acq: 4 Nov 2017 14:16

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ERM-P-1MS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 276     | 100   |      |       |       |
| 277     | 24.5  | 17.9 | 26.9  |       |
| 138     | 29.6  | 21.8 | 32.8  |       |

Manual Integrations  
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