

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120518\  
 Data File : BF111111.D  
 Acq On : 5 Dec 2018 16:13  
 Operator : JU/SJ  
 Sample : SSTDICC080  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC080

Manual Integrations  
 APPROVED

mohammad  
 12/6/2018 12:11:41 PM

Quant Time: Dec 05 17:29:00 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120518.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 05 15:25:21 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.81  | 152  | 505826   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.09  | 136  | 2105642  | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.85  | 164  | 989187   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.32 | 188  | 1641963  | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 13.96 | 240  | 876732   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.39 | 264  | 836391   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.42  | 112 | 4601486 | 150.86 | ng | 0.00 |
| 7) Phenol-d6             | 6.45  | 99  | 5961396 | 149.97 | ng | 0.01 |
| 23) Nitrobenzene-d5      | 7.38  | 82  | 5432902 | 147.66 | ng | 0.01 |
| 42) 2,4,6-Tribromophenol | 10.63 | 330 | 1128787 | 114.90 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 0.00  | 172 | 0d      | 0.00   | ng |      |
| 79) Terphenyl-d14        | 12.92 | 244 | 6151658 | 136.59 | ng | 0.01 |

## Target Compounds

|                                |      |     |          |         |    | Qvalue |
|--------------------------------|------|-----|----------|---------|----|--------|
| 2) 1,4-Dioxane                 | 2.53 | 88  | 1437413  | 98.362  | ng | # 82   |
| 3) Pyridine                    | 3.26 | 79  | 3289051  | 102.784 | ng | # 71   |
| 4) n-Nitrosodimethylamine      | 3.22 | 42  | 1652408  | 112.850 | ng | # 82   |
| 6) Aniline                     | 6.47 | 93  | 4176381  | 84.991  | ng | # 55   |
| 8) 2-Chlorophenol              | 6.60 | 128 | 2677182  | 74.060  | ng | 93     |
| 9) Benzaldehyde                | 6.35 | 77  | 1456454  | 68.644  | ng | 99     |
| 10) Phenol                     | 6.46 | 94  | 3389828m | 75.724  | ng |        |
| 11) bis(2-Chloroethyl)ether    | 6.55 | 93  | 2701382  | 80.099  | ng | 89     |
| 12) 1,3-Dichlorobenzene        | 6.75 | 146 | 2838892  | 71.486  | ng | 94     |
| 13) 1,4-Dichlorobenzene        | 6.83 | 146 | 2843516  | 69.629  | ng | 94     |
| 14) 1,2-Dichlorobenzene        | 6.99 | 146 | 2552138  | 66.399  | ng | 96     |
| 15) Benzyl Alcohol             | 6.96 | 79  | 2417961  | 79.153  | ng | 94     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.09 | 45  | 5239363  | 97.617  | ng | 66     |
| 17) 2-Methylphenol             | 7.06 | 107 | 2322300  | 80.799  | ng | # 83   |
| 18) Hexachloroethane           | 7.33 | 117 | 1133711  | 75.469  | ng | 91     |
| 19) n-Nitroso-di-n-propylamine | 7.24 | 70  | 2124634  | 82.055  | ng | # 84   |
| 20) 3+4-Methylphenols          | 7.22 | 107 | 2565644  | 67.151  | ng | # 81   |
| 22) Acetophenone               | 7.23 | 105 | 3520855  | 71.336  | ng | # 83   |
| 24) Nitrobenzene               | 7.40 | 77  | 2881133  | 75.302  | ng | 92     |
| 25) Isophorone                 | 7.64 | 82  | 4935386  | 81.776  | ng | 96     |
| 26) 2-Nitrophenol              | 7.70 | 139 | 1408391  | 75.767  | ng | 96     |
| 27) 2,4-Dimethylphenol         | 7.75 | 122 | 2258809  | 80.466  | ng | 97     |
| 28) bis(2-Chloroethoxy)methane | 7.85 | 93  | 3156475  | 78.069  | ng | 96     |
| 29) 2,4-Dichlorophenol         | 7.95 | 162 | 2229111  | 75.885  | ng | 96     |
| 30) 1,2,4-Trichlorobenzene     | 8.03 | 180 | 2209406  | 67.114  | ng | 93     |
| 31) Naphthalene                | 8.12 | 128 | 6003198  | 60.821  | ng | # 87   |
| 32) Benzoic acid               | 7.89 | 122 | 1659403m | 79.508  | ng |        |
| 33) 4-Chloroaniline            | 8.16 | 127 | 3153728  | 75.069  | ng | 96     |
| 34) Hexachlorobutadiene        | 8.24 | 225 | 1200000  | 63.999  | ng | 100    |
| 35) Caprolactam                | 8.56 | 113 | 858209m  | 85.576  | ng |        |
| 36) 4-Chloro-3-methylphenol    | 8.65 | 107 | 2437166  | 74.672  | ng | 99     |
| 37) 2-Methylnaphthalene        | 8.80 | 142 | 4221333  | 64.750  | ng | 96     |
| 38) 1-Methylnaphthalene        | 8.90 | 142 | 4108596  | 64.790  | ng | # 98   |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.97 | 216 | 1796452  | 57.731  | ng | # 97   |

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 Sample : SSTDICC080  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC080

Manual Integrations  
 APPROVED

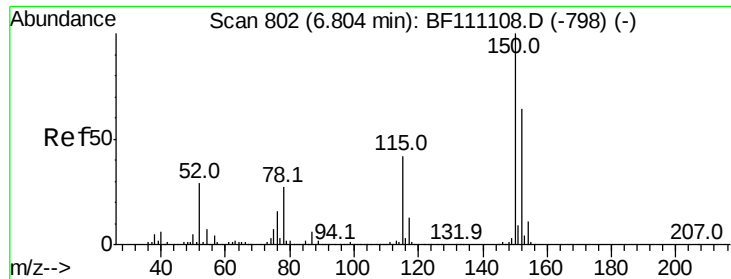
mohammad  
 12/6/2018 12:11:41 PM

Quant Time: Dec 05 17:29:00 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120518.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 05 15:25:21 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 8.96  | 237  | 1038443  | 331.650 | nq    | 99       |
| 43) 2,4,6-Trichlorophenol      | 9.08  | 196  | 1424091  | 76.627  | nq    | 98       |
| 44) 2,4,5-Trichlorophenol      | 9.12  | 196  | 1419910  | 72.560  | nq    | 98       |
| 47) 2-Chloronaphthalene        | 9.29  | 162  | 4230701  | 63.982  | nq    | 89       |
| 48) 2-Nitroaniline             | 9.39  | 65   | 1643295  | 79.454  | nq    | 97       |
| 49) Acenaphthylene             | 9.71  | 152  | 5798599  | 61.670  | nq    | # 85     |
| 50) Dimethylphthalate          | 9.58  | 163  | 4605254  | 63.479  | nq    | 97       |
| 51) 2,6-Dinitrotoluene         | 9.63  | 165  | 1197267  | 74.132  | nq    | 90       |
| 52) Acenaphthene               | 9.88  | 154  | 3941576  | 65.391  | nq    | 95       |
| 53) 3-Nitroaniline             | 9.80  | 138  | 1462371  | 77.688  | nq    | 96       |
| 54) 2,4-Dinitrophenol          | 9.90  | 184  | 375101   | 73.063  | nq    | # 88     |
| 55) Dibenzofuran               | 10.05 | 168  | 5305723  | 60.336  | nq    | # 89     |
| 56) 4-Nitrophenol              | 9.95  | 139  | 1104020  | 117.598 | nq    | 94       |
| 57) 2,4-Dinitrotoluene         | 10.03 | 165  | 1504265  | 71.789  | nq    | 95       |
| 58) Fluorene                   | 10.39 | 166  | 3782553  | 55.286  | nq    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.17 | 232  | 1024267  | 63.778  | nq    | # 86     |
| 60) Diethylphthalate           | 10.27 | 149  | 4629072  | 61.876  | nq    | # 93     |
| 61) 4-Chlorophenyl-phenylether | 10.39 | 204  | 1903524  | 53.192  | nq    | 91       |
| 62) 4-Nitroaniline             | 10.42 | 138  | 1354854  | 77.304  | nq    | 91       |
| 63) Azobenzene                 | 10.55 | 77   | 4816295  | 66.049  | nq    | 87       |
| 65) 4,6-Dinitro-2-methylphenol | 10.44 | 198  | 618177   | 79.590  | nq    | # 61     |
| 66) n-Nitrosodiphenylamine     | 10.51 | 169  | 3927638  | 71.855  | nq    | 90       |
| 67) 4-Bromophenyl-phenylether  | 10.87 | 248  | 1243229  | 69.523  | nq    | # 85     |
| 68) Hexachlorobenzene          | 10.95 | 284  | 1274170  | 66.896  | nq    | # 86     |
| 70) Pentachlorophenol          | 11.13 | 266  | 833072   | 109.934 | nq    | 99       |
| 71) Phenanthrene               | 11.35 | 178  | 5274163  | 60.648  | nq    | # 87     |
| 72) Anthracene                 | 11.40 | 178  | 5253276  | 59.317  | nq    | # 88     |
| 73) Carbazole                  | 11.56 | 167  | 5543518  | 64.489  | nq    | # 90     |
| 75) Fluoranthene               | 12.53 | 202  | 5174732  | 57.896  | nq    | 89       |
| 78) Pyrene                     | 12.76 | 202  | 5257194m | 82.100  | nq    |          |
| 80) Butylbenzylphthalate       | 13.39 | 149  | 2740108  | 94.780  | nq    | 93       |
| 81) Benzo(a)anthracene         | 13.94 | 228  | 3763400  | 72.707  | nq    | 96       |
| 82) 3,3'-Dichlorobenzidine     | 13.91 | 252  | 1320690  | 74.412  | nq    | # 96     |
| 83) Chrysene                   | 13.99 | 228  | 3794949  | 74.477  | nq    | 94       |
| 84) Bis(2-ethylhexyl)phthalate | 13.95 | 149  | 3096779  | 80.389  | nq    | 92       |
| 85) Di-n-octyl phthalate       | 14.56 | 149  | 4764790  | 78.358  | nq    | # 79     |
| 86) Indeno(1,2,3-cd)pyrene     | 16.80 | 276  | 3666208m | 100.238 | nq    |          |
| 88) Benzo(b)fluoranthene       | 14.98 | 252  | 3525843  | 71.759  | nq    | # 96     |
| 89) Benzo(k)fluoranthene       | 15.01 | 252  | 3265970  | 64.578  | nq    | # 92     |
| 90) Benzo(a)pyrene             | 15.33 | 252  | 3281597  | 71.751  | nq    | # 96     |
| 91) Dibenzo(a,h)anthracene     | 16.83 | 278  | 2989728  | 79.228  | nq    | # 94     |
| 92) Benzo(g,h,i)perylene       | 17.23 | 276  | 3124266  | 85.867  | nq    | # 91     |

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





#1

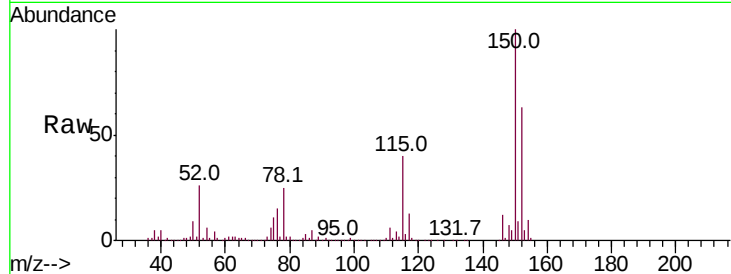
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.81 min Scan# 803  
Delta R.T. 0.01 min  
Lab File: BF111111.D  
Acq: 5 Dec 2018 16:13

Instrument :  
BNA\_F  
ClientSampleID :  
SSTDIC080

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 158.1 | 122.7 | 184.1 |
| 115     | 63.0  | 49.1  | 73.7  |

Manual Integrations  
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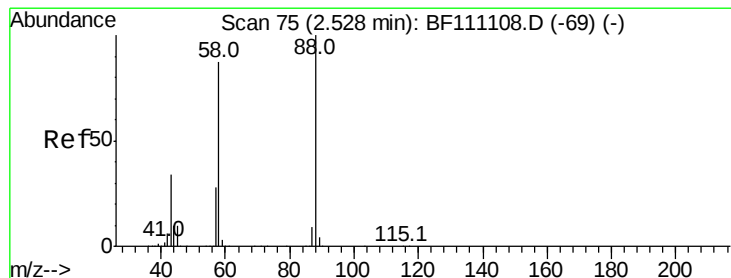
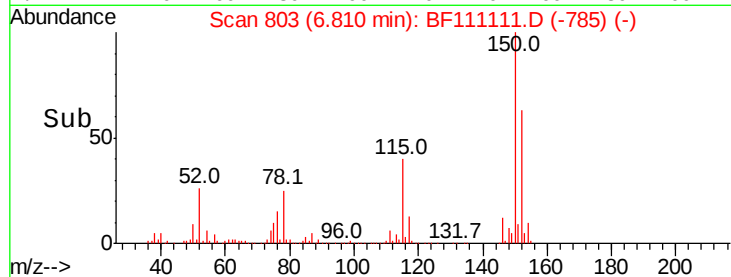
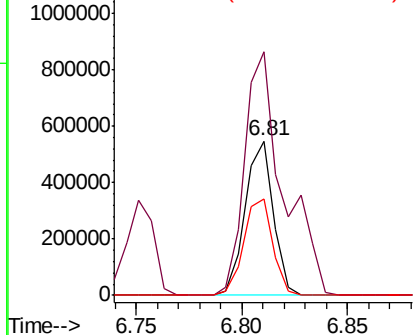


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

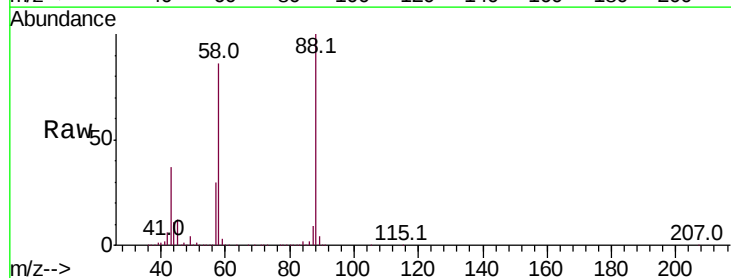
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane  
Concen: 98.362 ng  
RT: 2.53 min Scan# 76  
Delta R.T. 0.01 min  
Lab File: BF111111.D  
Acq: 5 Dec 2018 16:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 88.7  | 57.1  | 85.7# |
| 43      | 36.7  | 24.1  | 36.1# |

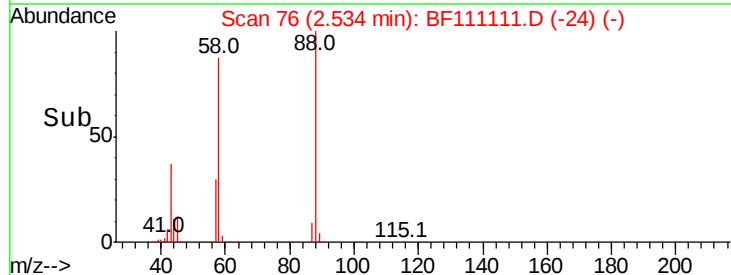
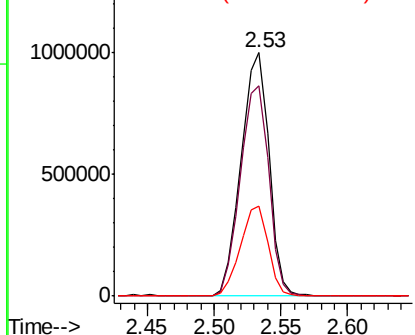


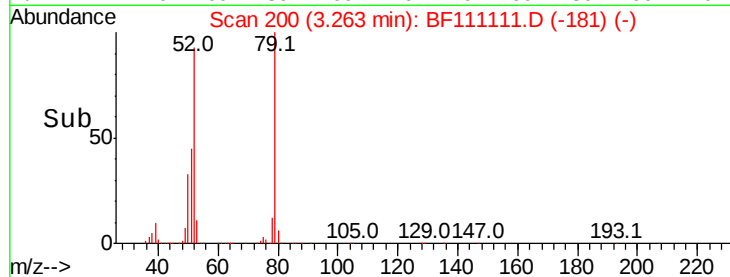
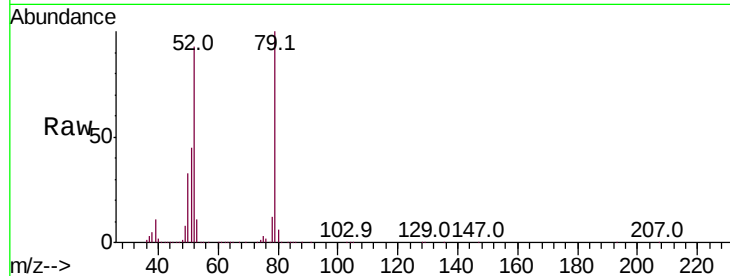
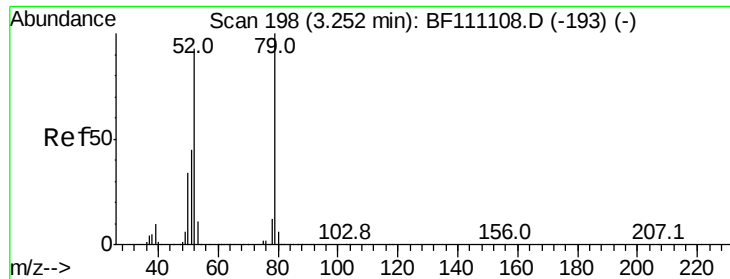
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





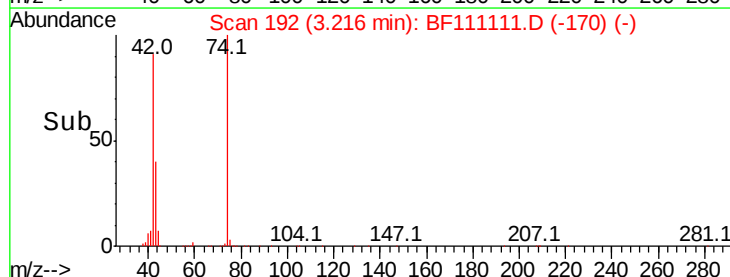
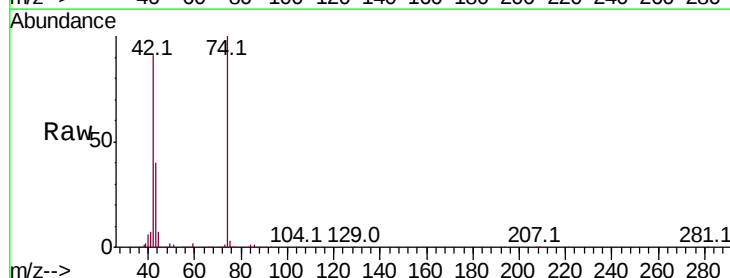
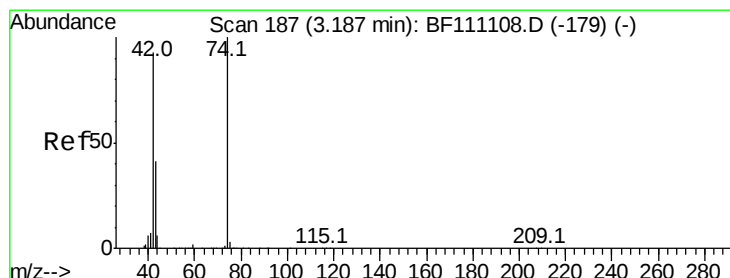
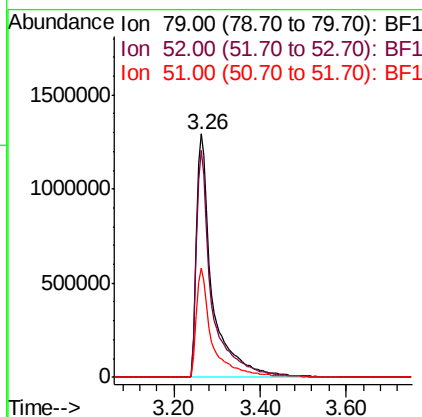
#3  
Pvridine  
Concen: 102.784 ng  
RT: 3.26 min Scan# 200  
Delta R.T. 0.01 min  
Lab File: BF111111.D  
Acq: 5 Dec 2018 16:13

Tot Ion: 79 Resp: 3289051  
Ion Ratio Lower Upper  
79 100  
52 93.4 53.1 79.7#  
51 44.9 27.4 41.2#

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDIC080

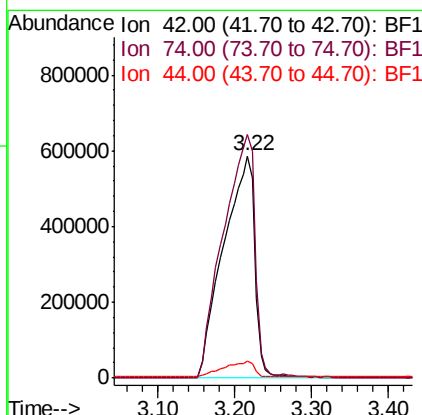
Manual Integrations  
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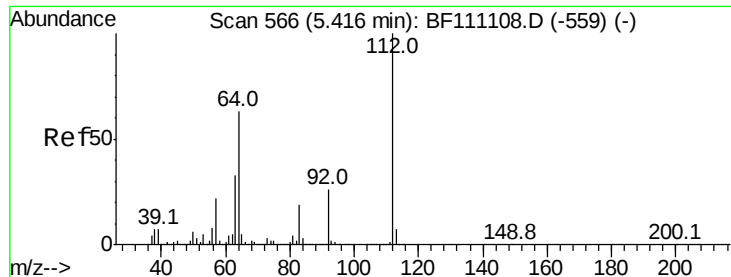
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#4  
n-Nitrosodimethylamine  
Concen: 112.850 ng  
RT: 3.22 min Scan# 192  
Delta R.T. 0.03 min  
Lab File: BF111111.D  
Acq: 5 Dec 2018 16:13

Tgt Ion: 42 Resp: 1652408  
Ion Ratio Lower Upper  
42 100  
74 109.6 105.5 158.3  
44 7.7 4.9 7.3#





#5

2-Fluorophenol

Concen: 150.857 ng

RT: 5.42 min Scan# 567

Delta R.T. 0.01 min

Lab File: BF111111.D

Acq: 5 Dec 2018 16:13

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080

Tot Ion:112 Resp: 4601486

Ion Ratio Lower Upper

112 100

64 67.7 44.1 66.1#

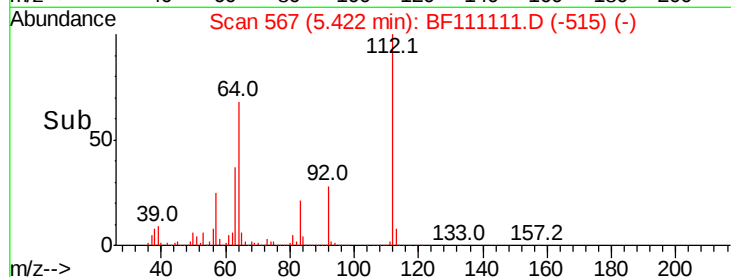
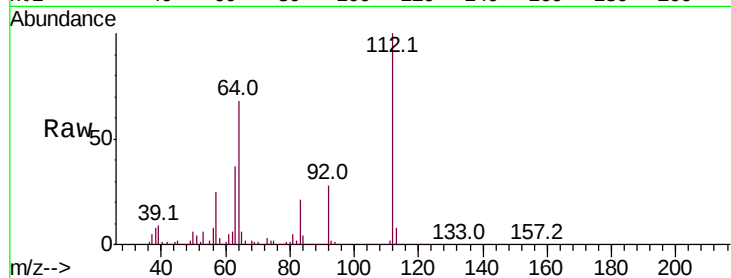
63 37.3 23.7 35.5#

Manual Integrations

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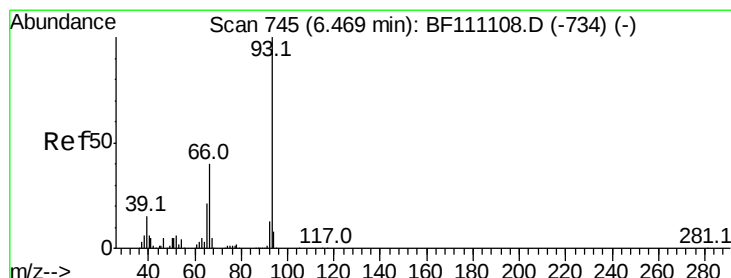
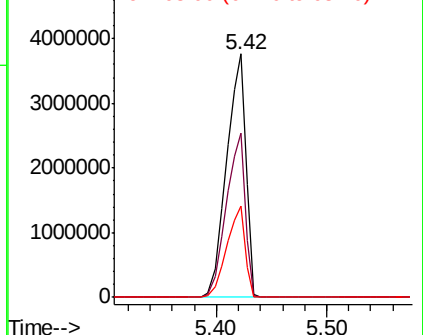
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Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 84.991 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.01 min

Lab File: BF111111.D

Acq: 5 Dec 2018 16:13

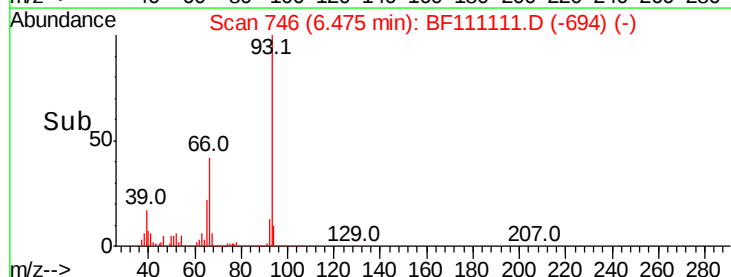
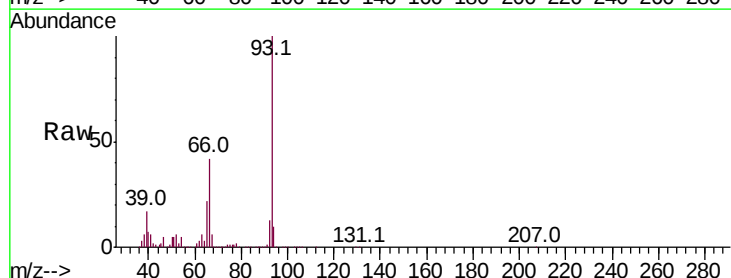
Tgt Ion: 93 Resp: 4176381

Ion Ratio Lower Upper

93 100

66 41.8 67.4 101.0#

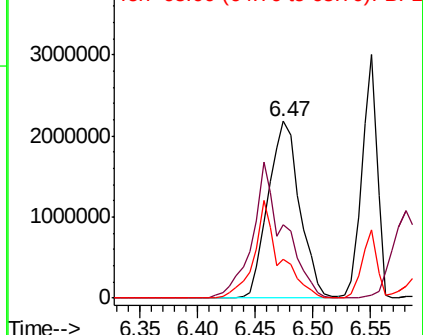
65 22.1 41.0 61.4#

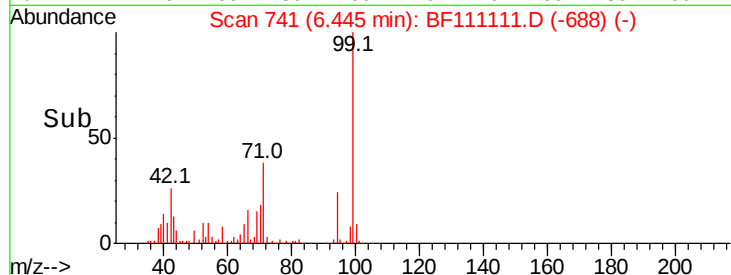
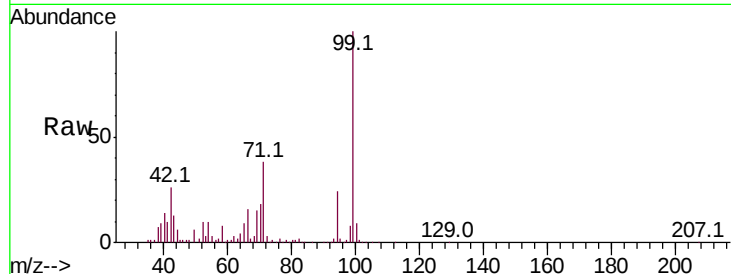
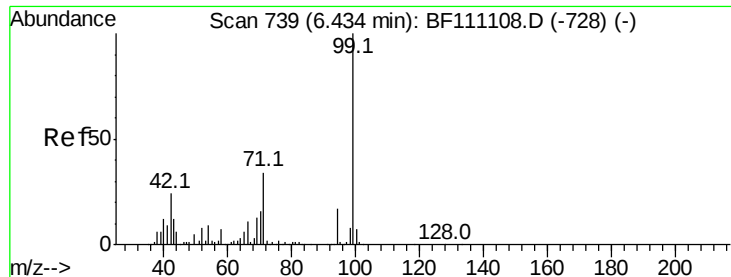


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 149.973 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.01 min

Lab File: BF111111.D

Acq: 5 Dec 2018 16:13

Tot Ion: 99 Resp: 5961396

Ion Ratio Lower Upper

99 100

42 26.3 15.8 23.6#

71 37.5 28.0 42.0

Instrument :

BNA\_F

ClientSampleId :

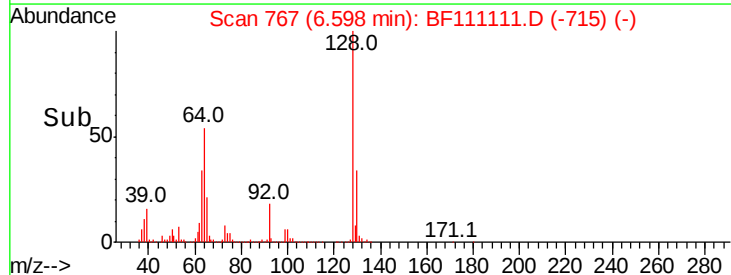
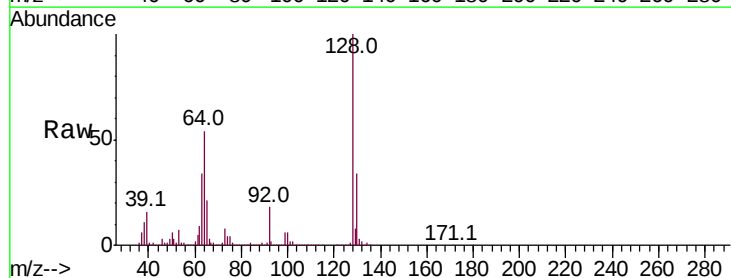
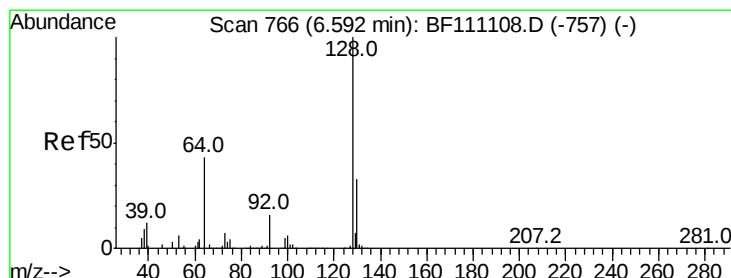
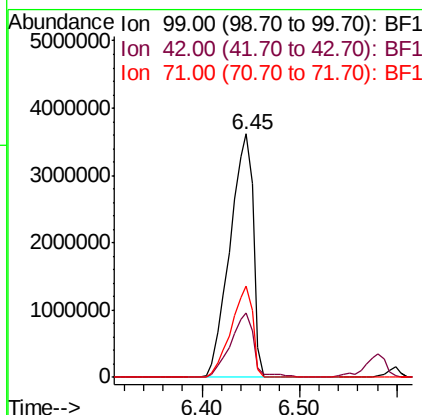
SSTDICC080

Manual Integrations

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#8

2-Chlorophenol

Concen: 74.060 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.01 min

Lab File: BF111111.D

Acq: 5 Dec 2018 16:13

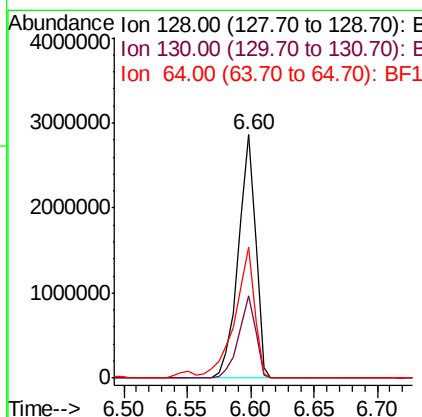
Tgt Ion:128 Resp: 2677182

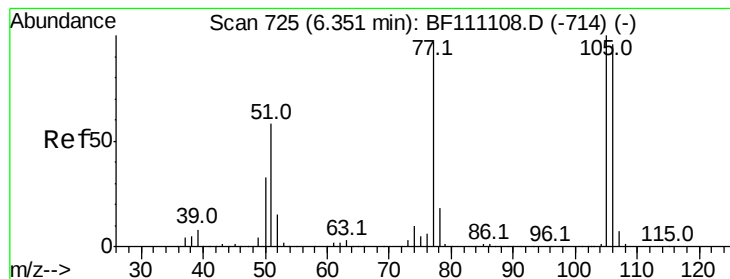
Ion Ratio Lower Upper

128 100

130 34.0 13.1 53.1

64 53.6 26.0 66.0





#9

Benzaldehyde

Concen: 68.644 ng

RT: 6.35 min Scan# 725

Delta R.T. 0.00 min

Lab File: BF111111.D

Acq: 5 Dec 2018 16:13

Instrument :

BNA\_F

ClientSampleId :

SSTDIC080

Tot Ion: 77 Resp: 1456454

Ion Ratio Lower Upper

77 100

105 99.7 78.6 118.6

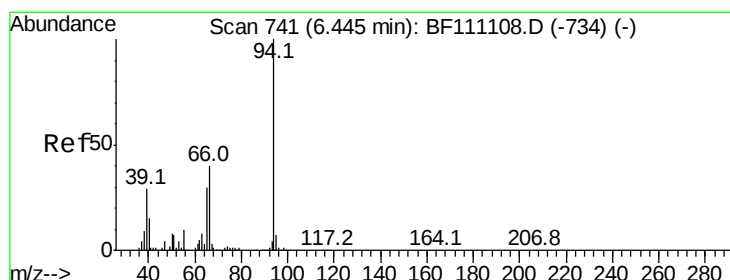
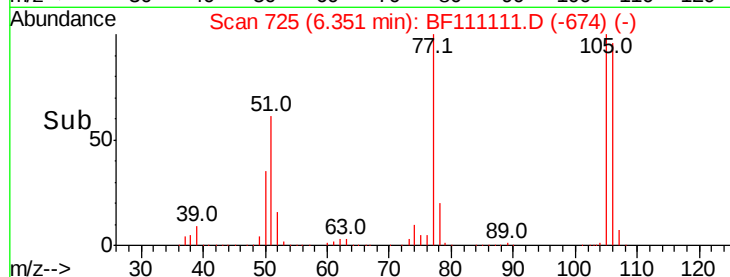
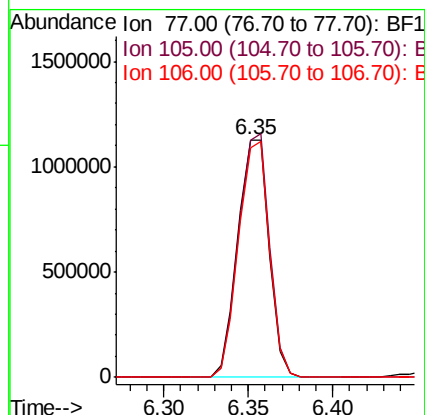
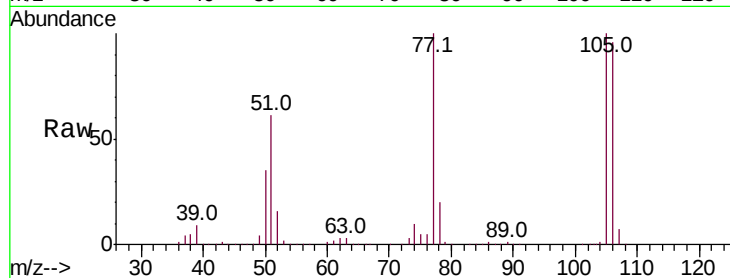
106 96.4 74.8 114.8

Manual Integrations

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#10

Phenol

Concen: 75.724 ng m

RT: 6.46 min Scan# 743

Delta R.T. 0.01 min

Lab File: BF111111.D

Acq: 5 Dec 2018 16:13

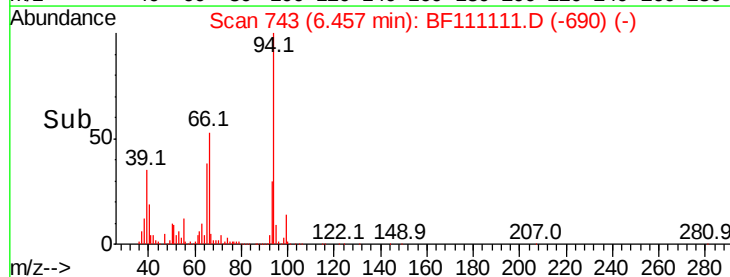
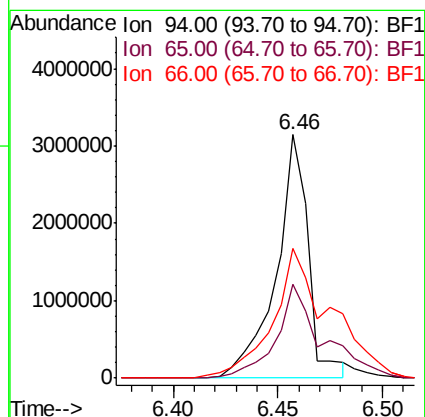
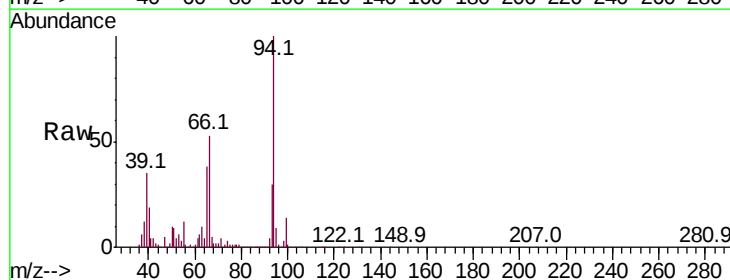
Tgt Ion: 94 Resp: 3389828

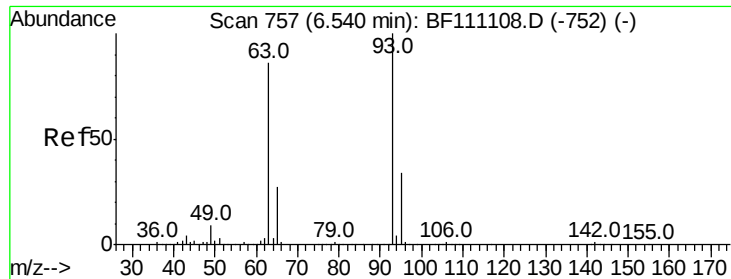
Ion Ratio Lower Upper

94 100

65 38.5 25.3 65.3

66 53.1 54.5 94.5#





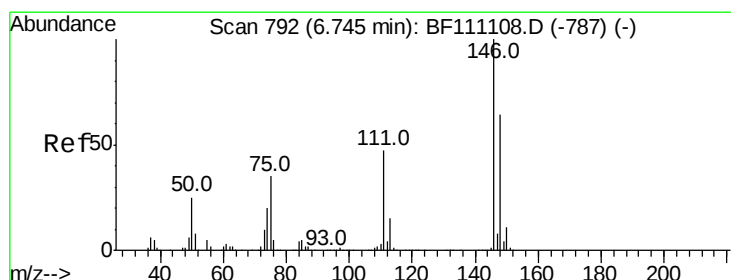
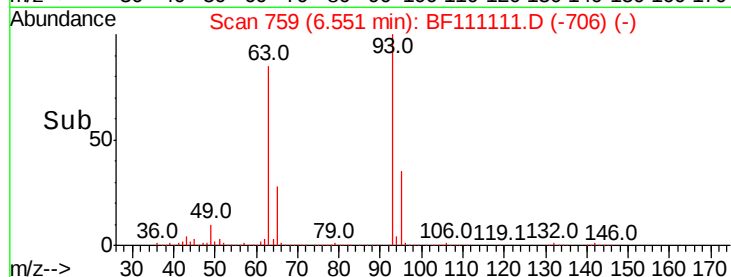
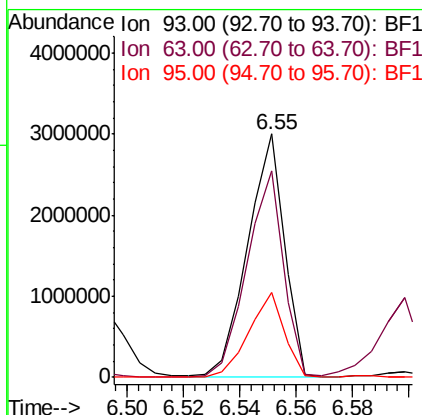
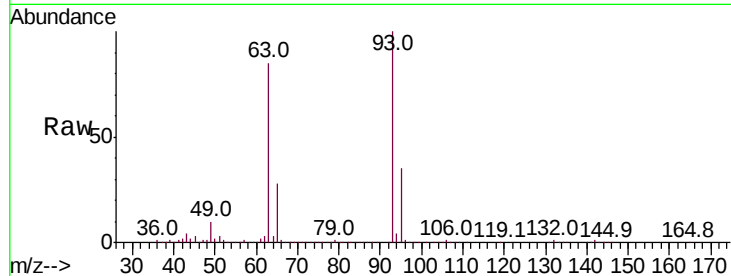
#11  
bis(2-Chloroethyl)ether  
Concen: 80.099 ng  
RT: 6.55 min Scan# 759  
Delta R.T. 0.01 min  
Lab File: BF111111.D  
Acq: 5 Dec 2018 16:13

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDIC080

Tot Ion: 93 Resp: 2701382  
Ion Ratio Lower Upper  
93 100  
63 85.0 53.4 93.4  
95 34.7 12.1 52.1

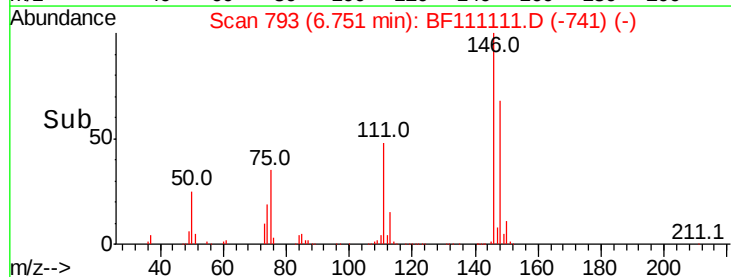
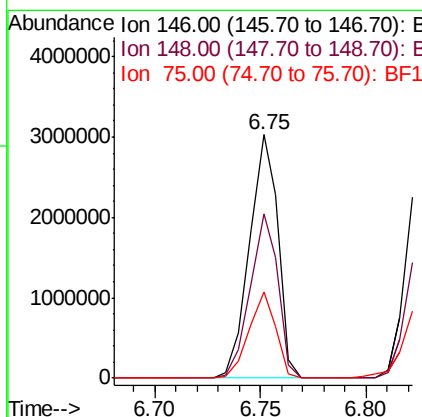
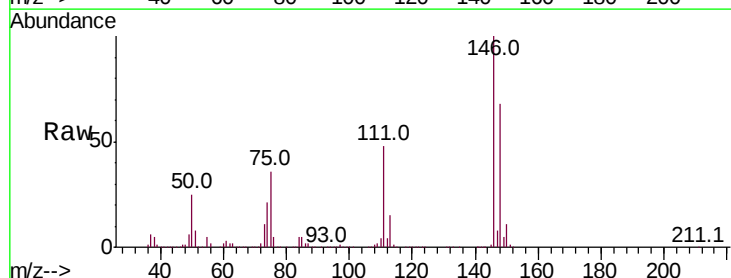
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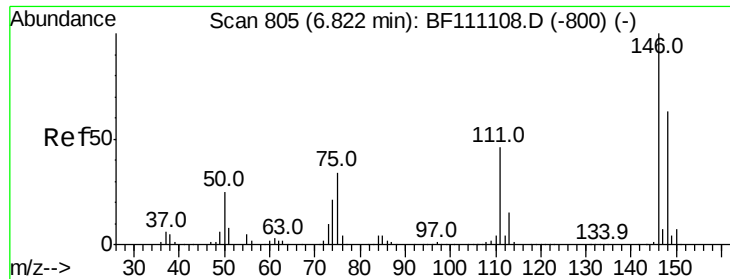
mohammad  
12/6/2018 12:11:41 PM



#12  
1,3-Dichlorobenzene  
Concen: 71.486 ng  
RT: 6.75 min Scan# 793  
Delta R.T. 0.01 min  
Lab File: BF111111.D  
Acq: 5 Dec 2018 16:13

Tgt Ion: 146 Resp: 2838892  
Ion Ratio Lower Upper  
146 100  
148 67.6 50.4 75.6  
75 35.6 25.8 38.6





#13

1,4-Dichlorobenzene

Concen: 69.629 ng

RT: 6.83 min Scan# 806

Delta R.T. 0.01 min

Lab File: BF111111.D

Acq: 5 Dec 2018 16:13

Instrument :

BNA\_F

ClientSampleId :

SSTDIC080

Tot Ion:146 Resp: 2843516

Ion Ratio Lower Upper

146 100

148 66.4 50.3 75.5

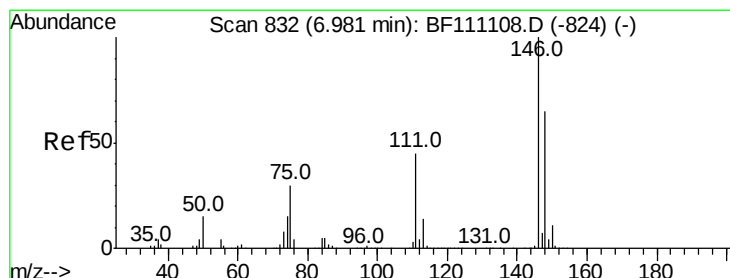
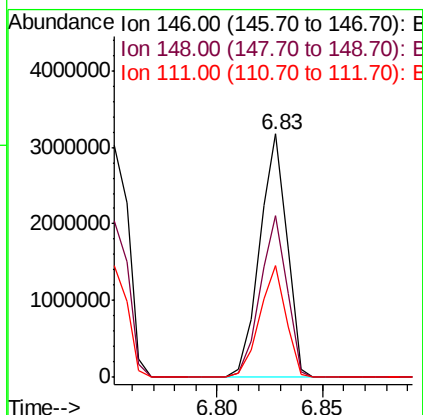
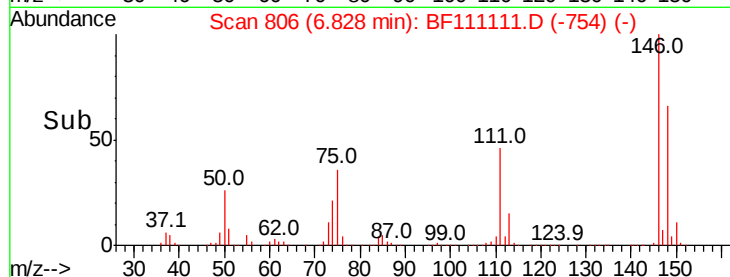
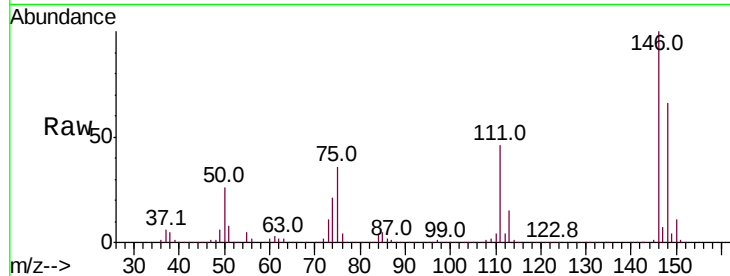
111 45.7 32.7 49.1

Manual Integrations

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#14

1,2-Dichlorobenzene

Concen: 66.399 ng

RT: 6.99 min Scan# 833

Delta R.T. 0.01 min

Lab File: BF111111.D

Acq: 5 Dec 2018 16:13

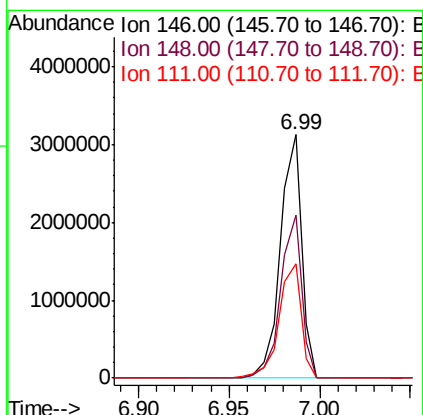
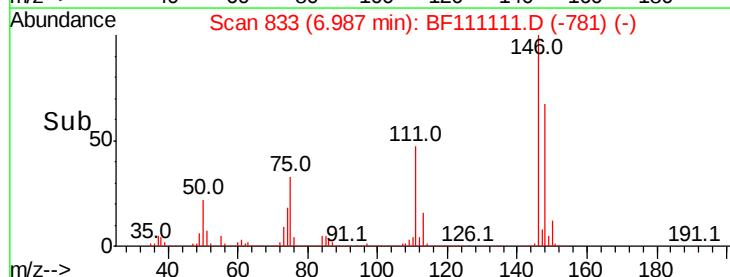
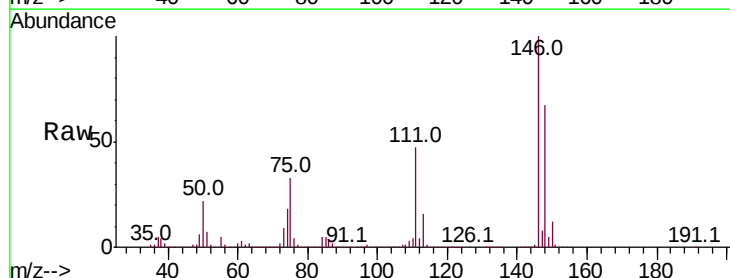
Tgt Ion:146 Resp: 2552138

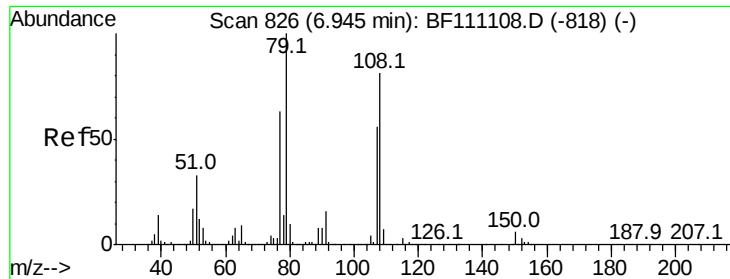
Ion Ratio Lower Upper

146 100

148 67.2 51.1 76.7

111 46.7 35.8 53.6





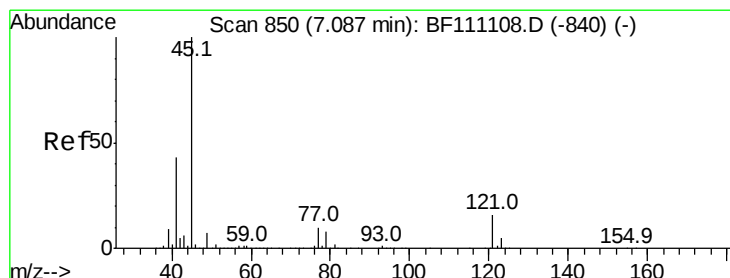
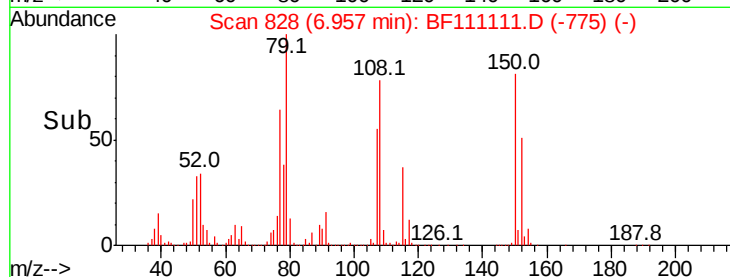
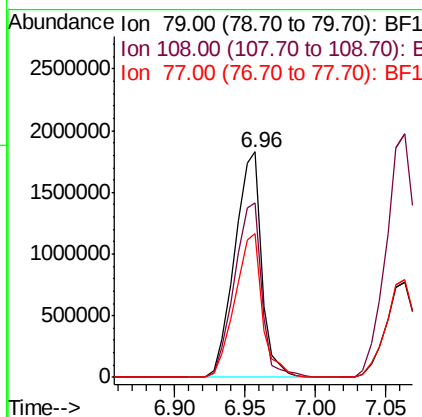
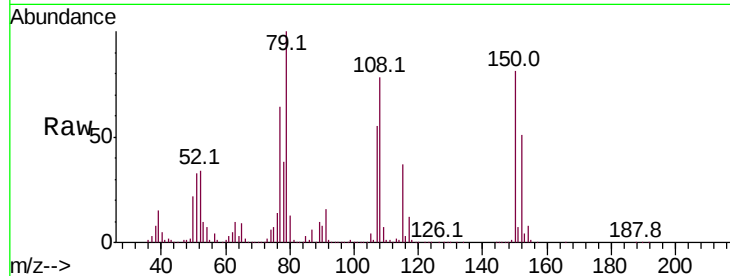
#15  
Benzyl Alcohol  
Concen: 79.153 ng  
RT: 6.96 min Scan# 828  
Delta R.T. 0.01 min  
Lab File: BF111111.D  
Acq: 5 Dec 2018 16:13

Instrument :  
BNA\_F  
ClientSampled :  
SSTDIC080

Tot Ion: 79 Resp: 2417961  
Ion Ratio Lower Upper  
79 100  
108 77.6 56.3 84.5  
77 63.7 52.9 79.3

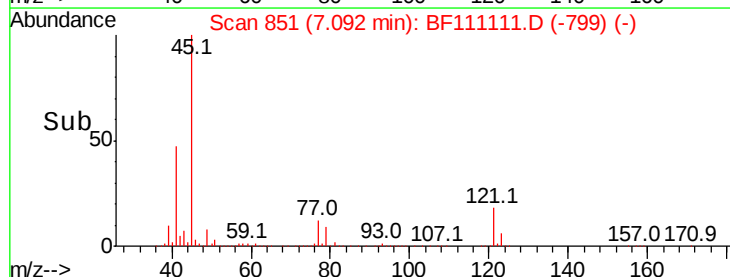
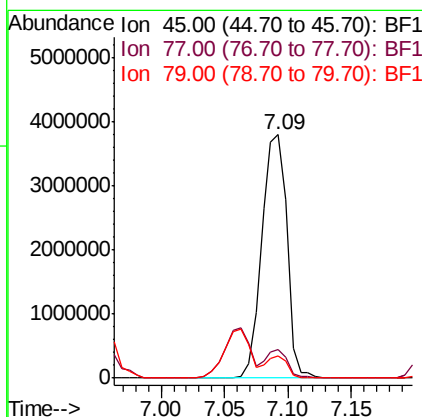
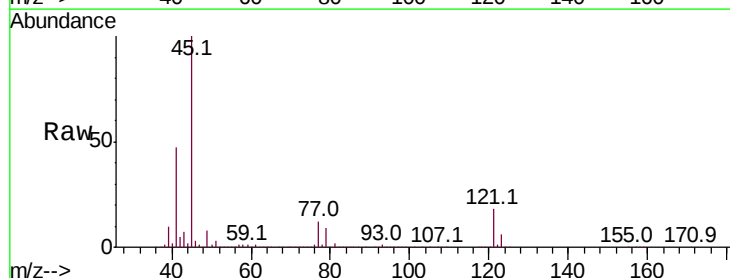
Manual Integrations  
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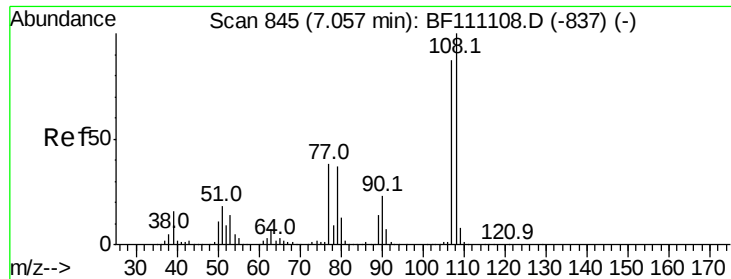
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#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 97.617 ng  
RT: 7.09 min Scan# 851  
Delta R.T. 0.01 min  
Lab File: BF111111.D  
Acq: 5 Dec 2018 16:13

Tgt Ion: 45 Resp: 5239363  
Ion Ratio Lower Upper  
45 100  
77 11.6 10.0 50.0  
79 9.2 6.1 46.1





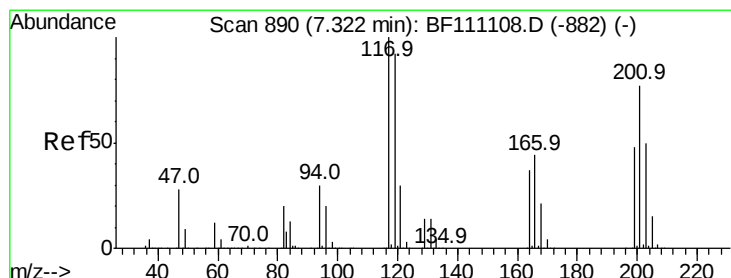
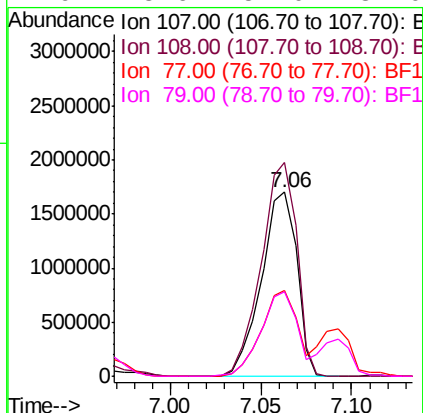
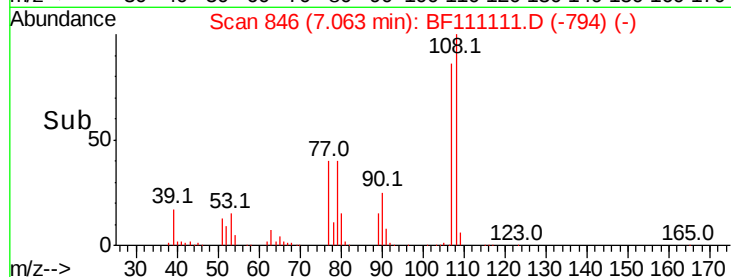
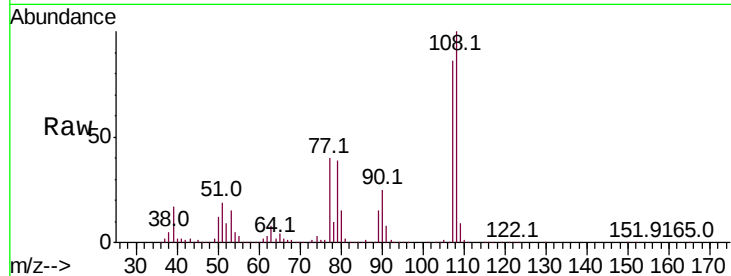
#17  
2-Methylphenol  
Concen: 80.799 ng  
RT: 7.06 min Scan# 846  
Delta R.T. 0.01 min  
Lab File: BF111111.D  
Acq: 5 Dec 2018 16:13

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDIC080

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 116.1 | 92.6  | 138.8 |
| 77      | 46.5  | 59.4  | 89.2# |
| 79      | 45.6  | 54.0  | 81.0# |

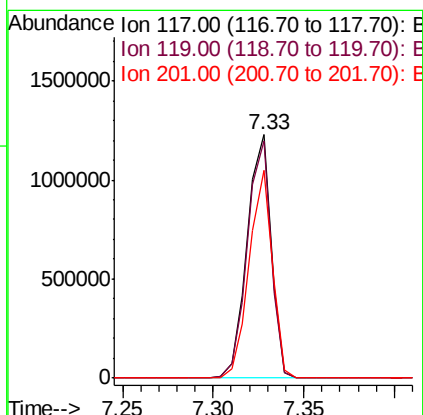
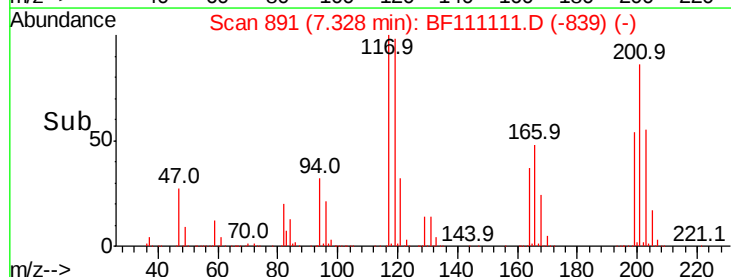
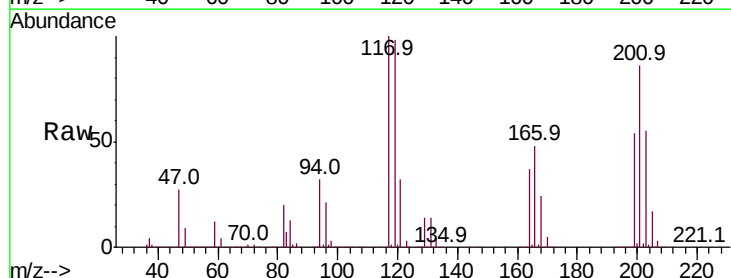
Manual Integrations  
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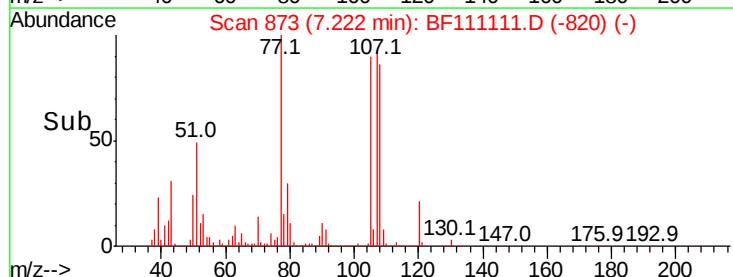
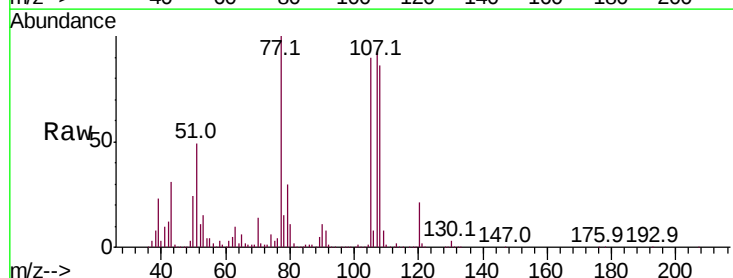
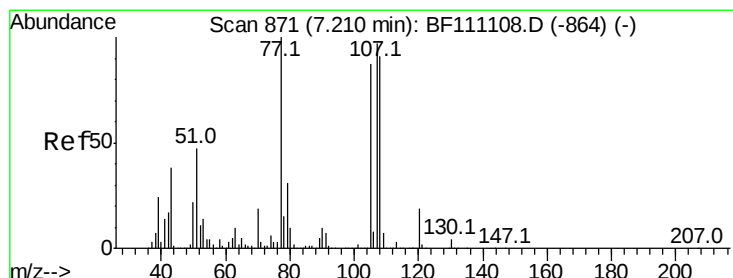
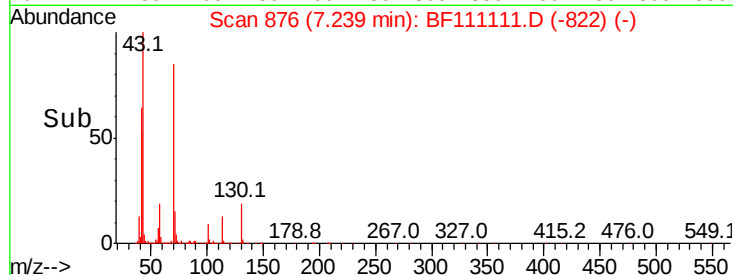
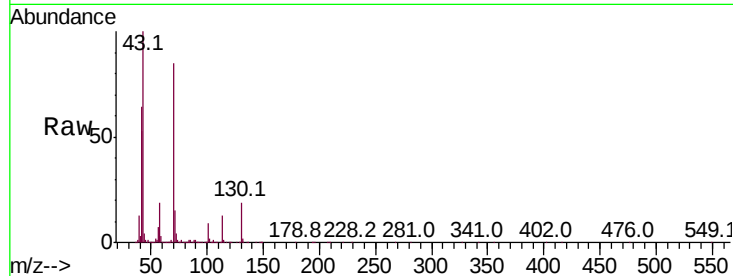
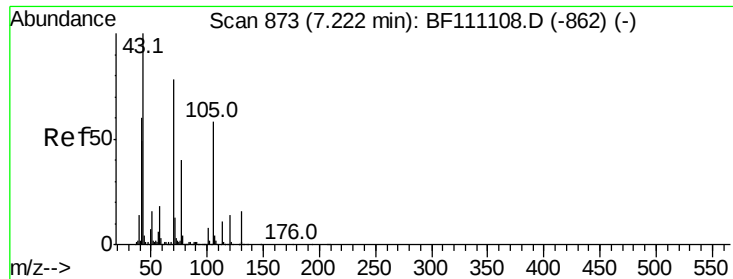
mohammad  
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#18  
Hexachloroethane  
Concen: 75.469 ng  
RT: 7.33 min Scan# 891  
Delta R.T. 0.01 min  
Lab File: BF111111.D  
Acq: 5 Dec 2018 16:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 97.7  | 75.0  | 112.6 |
| 201     | 85.5  | 79.2  | 118.8 |





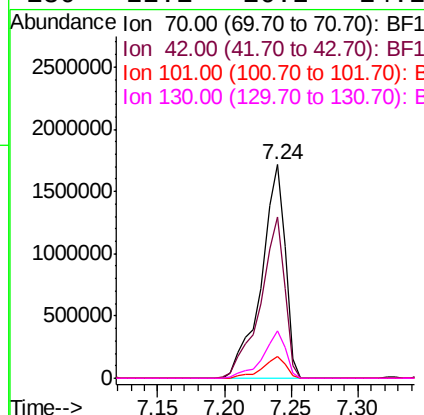
#19  
n-Nitroso-di-n-propylamine  
Concen: 82.055 ng  
RT: 7.24 min Scan# 876  
Delta R.T. 0.02 min  
Lab File: BF111111.D  
Acq: 5 Dec 2018 16:13

Instrument :  
BNA\_F  
ClientSampleID :  
SSTDIC080

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 75.3  | 47.4  | 71.2# |
| 101     | 10.2  | 7.3   | 10.9  |
| 130     | 22.1  | 16.2  | 24.2  |

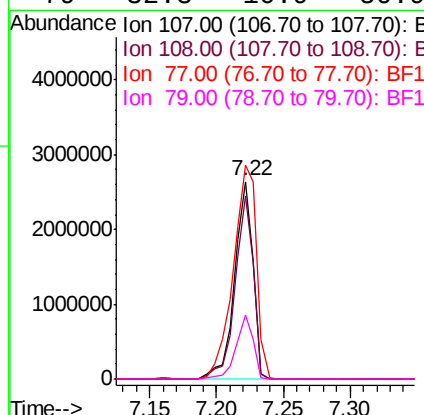
Manual Integrations  
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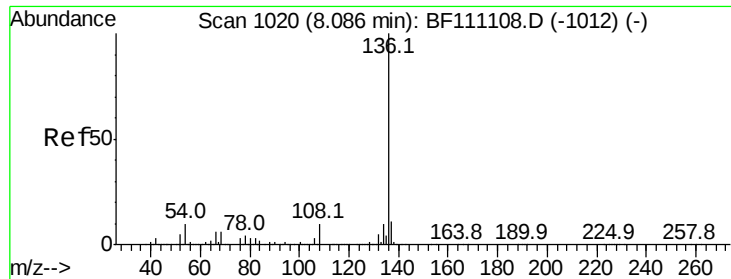
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#20  
3+4-Methylphenols  
Concen: 67.151 ng  
RT: 7.22 min Scan# 873  
Delta R.T. 0.01 min  
Lab File: BF111111.D  
Acq: 5 Dec 2018 16:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 92.6  | 71.4  | 111.4 |
| 77      | 108.2 | 47.3  | 87.3# |
| 79      | 32.3  | 10.9  | 50.9  |





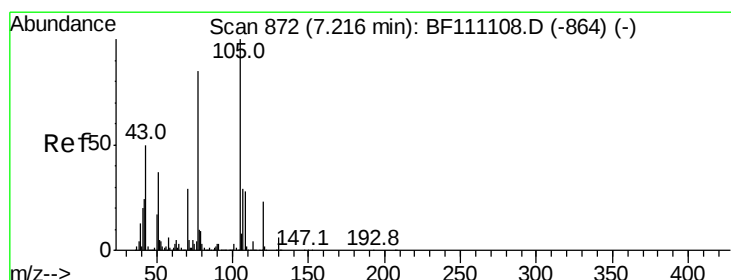
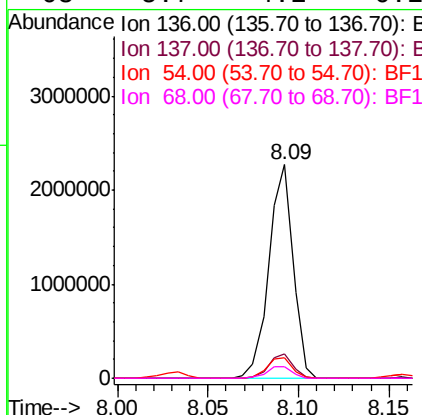
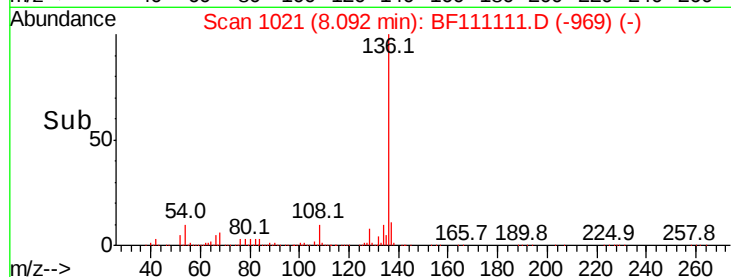
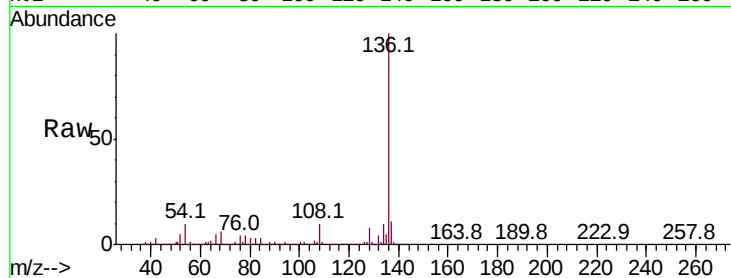
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.09 min Scan# 1021  
Delta R.T. 0.01 min  
Lab File: BF111111.D  
Acq: 5 Dec 2018 16:13

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDIC080

| Tot Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 136     | 100   | 2105642 |       |       |
| 137     | 11.2  |         | 8.8   | 13.2  |
| 54      | 9.6   |         | 5.4   | 8.2#  |
| 68      | 5.7   |         | 4.2   | 6.2   |

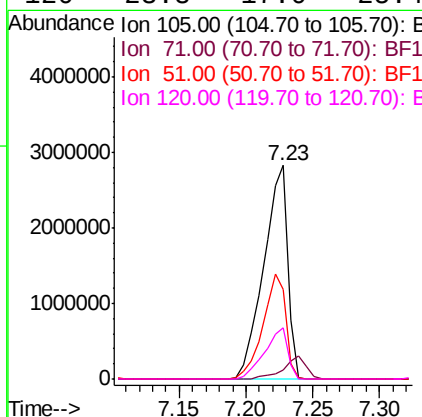
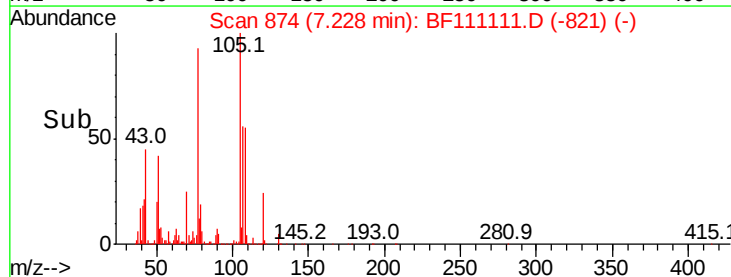
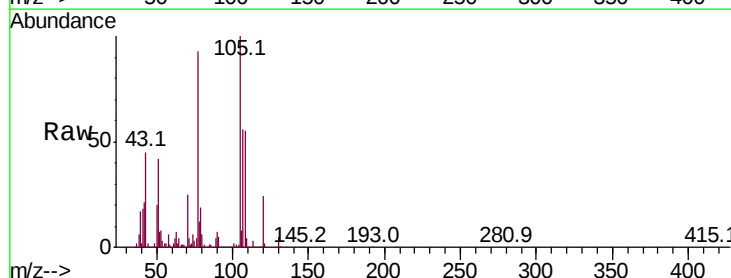
Manual Integrations  
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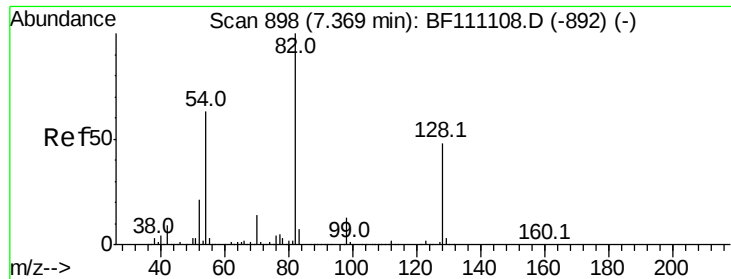
mohammad  
12/6/2018 12:11:41 PM



#22  
Acetophenone  
Concen: 71.336 ng  
RT: 7.23 min Scan# 874  
Delta R.T. 0.01 min  
Lab File: BF111111.D  
Acq: 5 Dec 2018 16:13

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 105     | 100   | 3520855 |       |       |
| 71      | 4.4   |         | 5.2   | 7.8#  |
| 51      | 41.8  |         | 21.8  | 32.8# |
| 120     | 23.8  |         | 17.0  | 25.4  |





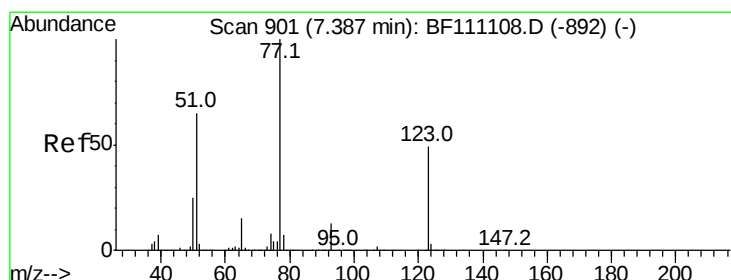
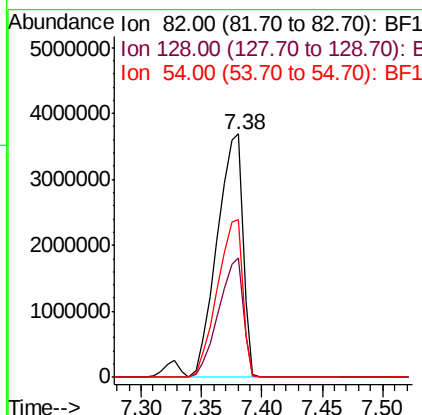
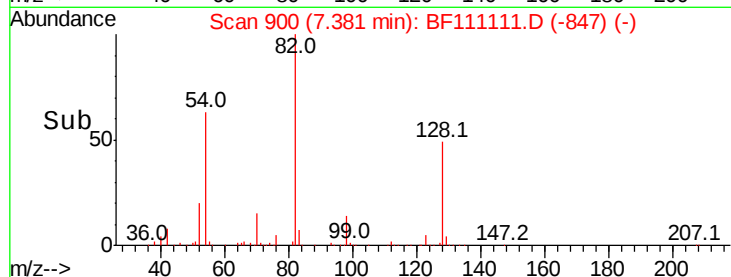
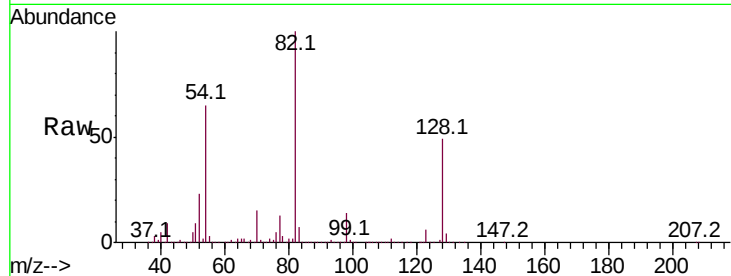
#23  
Nitrobenzene-d5  
Concen: 147.665 ng  
RT: 7.38 min Scan# 900  
Delta R.T. 0.01 min  
Lab File: BF111111.D  
Acq: 5 Dec 2018 16:13

Instrument :  
BNA\_F  
ClientSampled :  
SSTDIC080

Tot Ion: 82 Resp: 5432902  
Ion Ratio Lower Upper  
82 100  
128 49.1 34.2 51.2  
54 64.8 38.6 58.0#

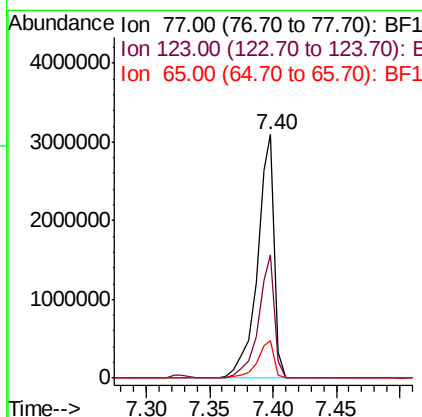
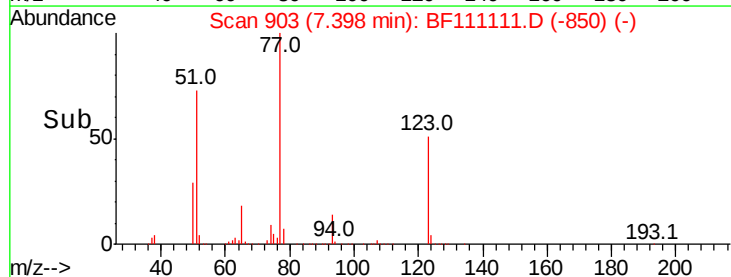
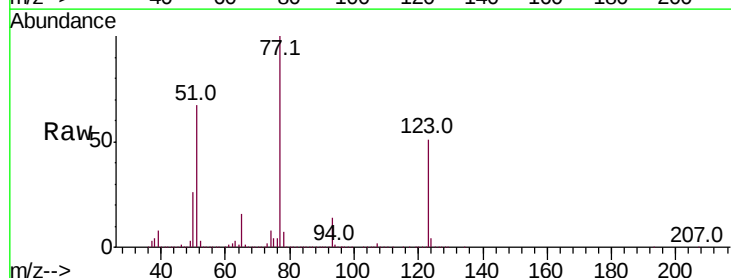
Manual Integrations  
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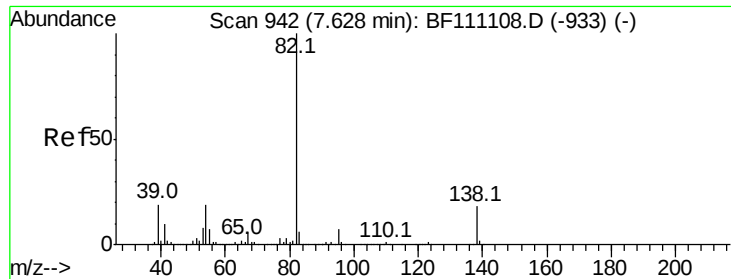
mohammad  
12/6/2018 12:11:41 PM



#24  
Nitrobenzene  
Concen: 75.302 ng  
RT: 7.40 min Scan# 903  
Delta R.T. 0.01 min  
Lab File: BF111111.D  
Acq: 5 Dec 2018 16:13

Tgt Ion: 77 Resp: 2881133  
Ion Ratio Lower Upper  
77 100  
123 50.7 35.7 53.5  
65 15.6 10.7 16.1





#25

Isophorone

Concen: 81.776 ng

RT: 7.64 min Scan# 944

Delta R.T. 0.01 min

Lab File: BF111111.D

Acq: 5 Dec 2018 16:13

Instrument :

BNA\_F

ClientSampleId :

SSTDIC080

Tot Ion: 82 Resp: 4935386

Ion Ratio Lower Upper

82 100

95 7.4 5.7 8.5

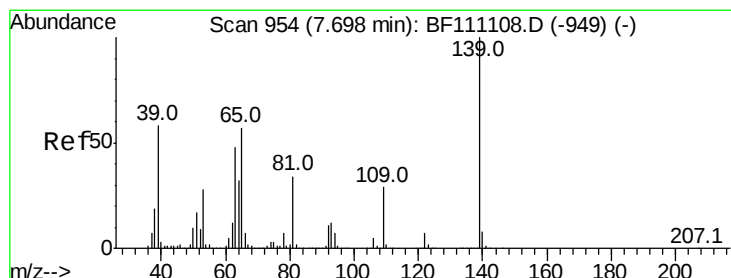
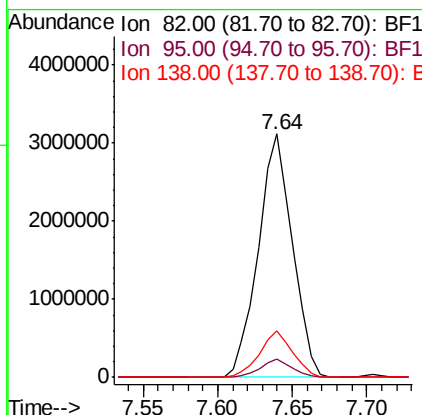
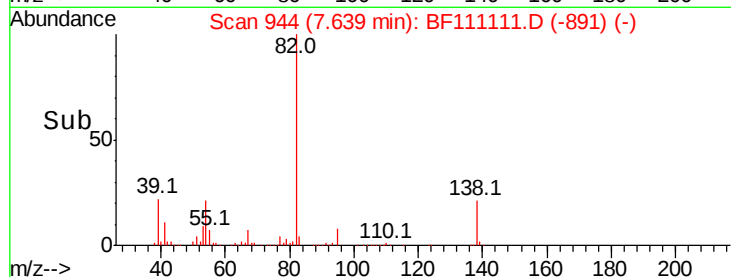
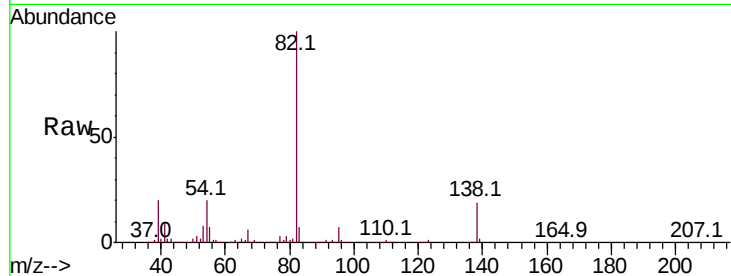
138 18.9 13.2 19.8

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#26

2-Nitrophenol

Concen: 75.767 ng

RT: 7.70 min Scan# 955

Delta R.T. 0.01 min

Lab File: BF111111.D

Acq: 5 Dec 2018 16:13

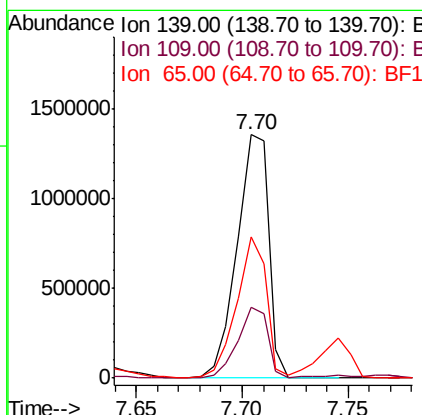
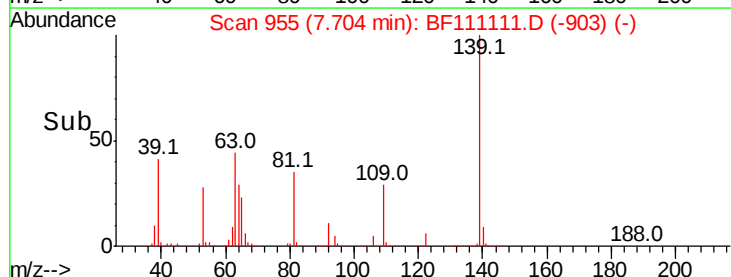
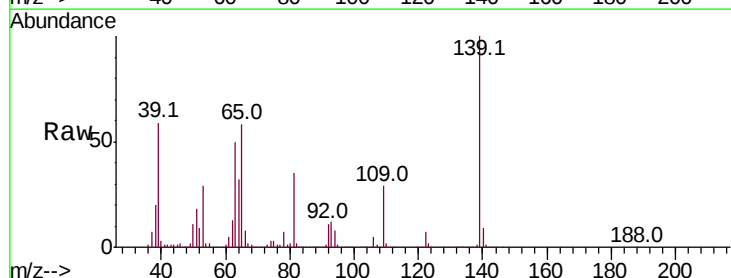
Tgt Ion: 139 Resp: 1408391

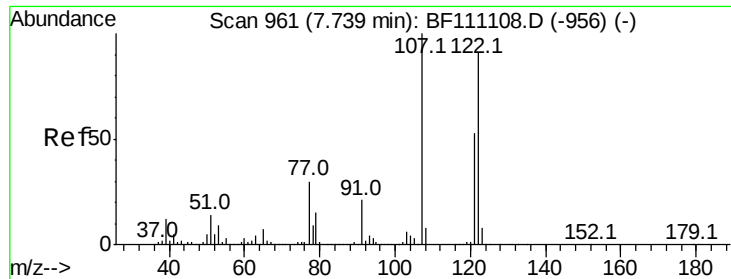
Ion Ratio Lower Upper

139 100

109 29.1 25.0 37.6

65 58.1 44.0 66.0





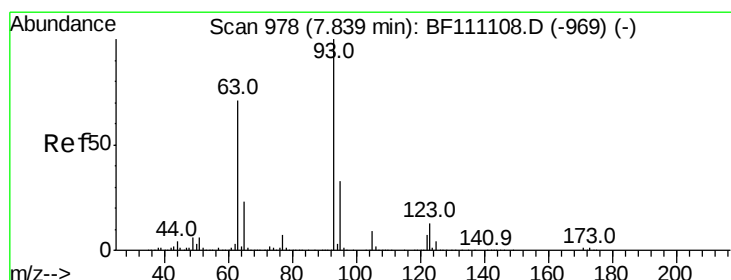
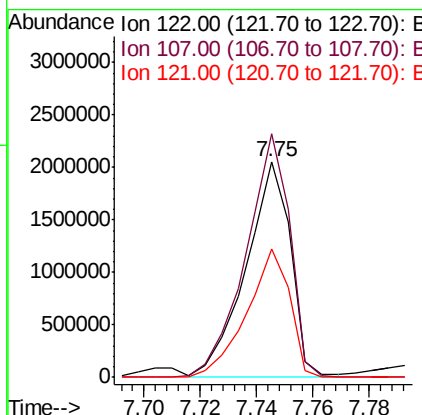
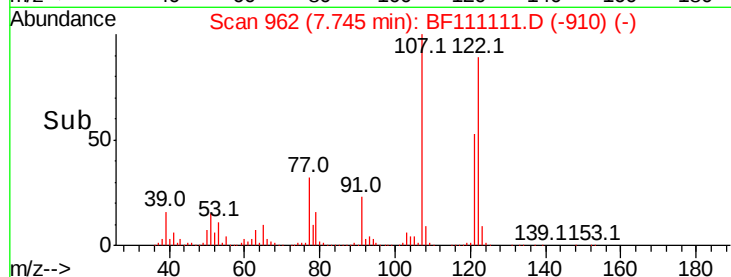
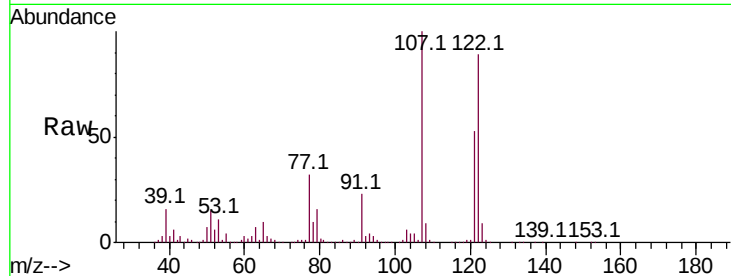
#27  
2,4-Dimethylphenol  
Concen: 80.466 ng  
RT: 7.75 min Scan# 962  
Delta R.T. 0.01 min  
Lab File: BF111111.D  
Acq: 5 Dec 2018 16:13

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDIC080

Tot Ion:122 Resp: 2258809  
Ion Ratio Lower Upper  
122 100  
107 112.7 92.5 138.7  
121 59.4 45.8 68.8

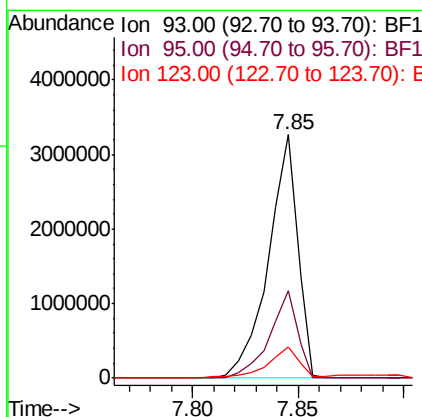
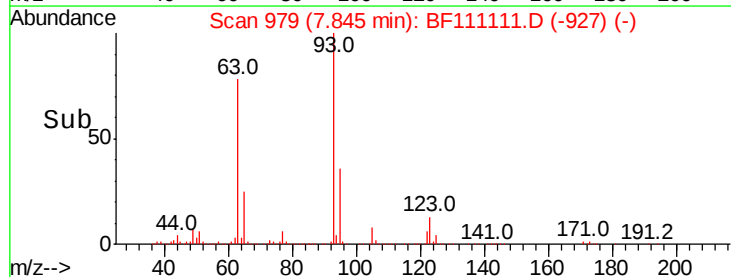
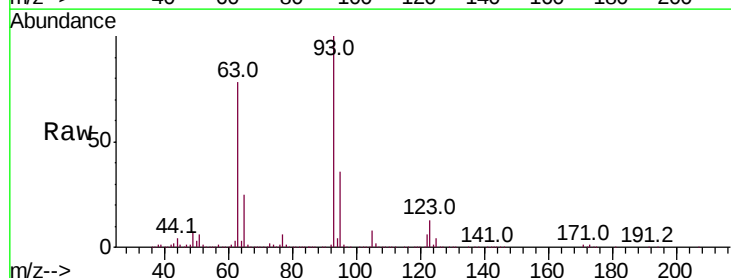
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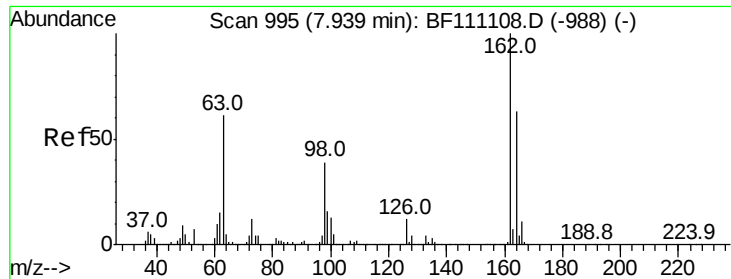
mohammad  
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#28  
bis(2-Chloroethoxy)methane  
Concen: 78.069 ng  
RT: 7.85 min Scan# 979  
Delta R.T. 0.01 min  
Lab File: BF111111.D  
Acq: 5 Dec 2018 16:13

Tgt Ion: 93 Resp: 3156475  
Ion Ratio Lower Upper  
93 100  
95 35.7 26.4 39.6  
123 12.6 9.0 13.6





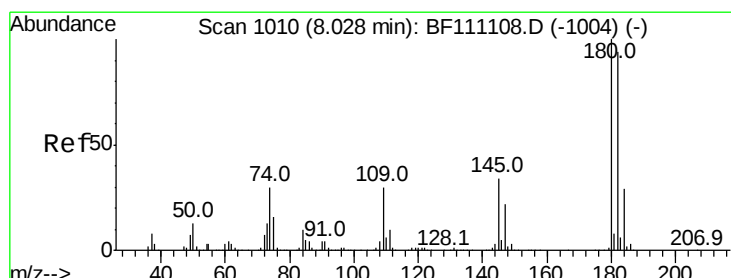
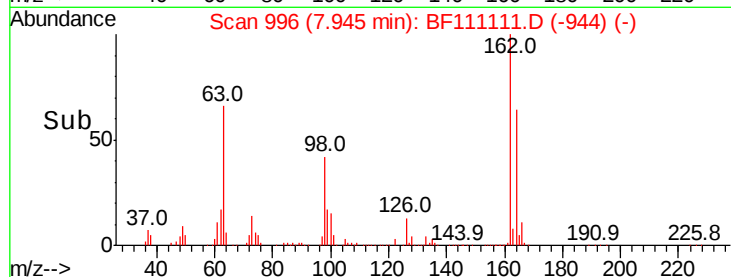
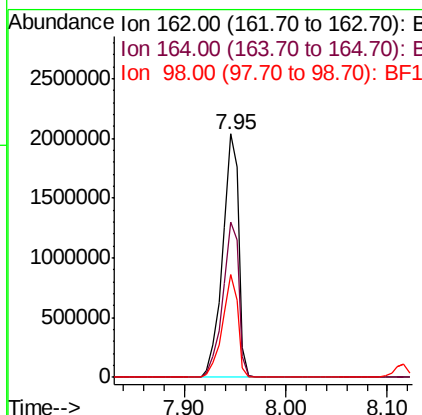
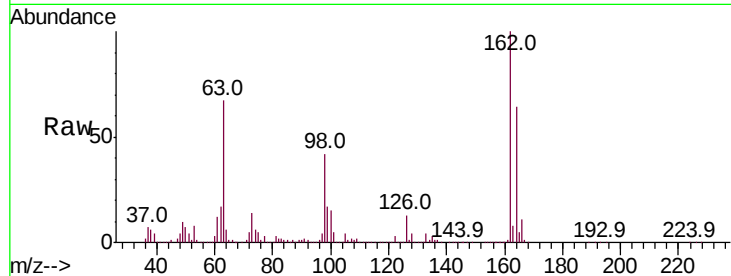
#29  
2,4-Dichlorophenol  
Concen: 75.885 ng  
RT: 7.95 min Scan# 996  
Delta R.T. 0.01 min  
Lab File: BF111111.D  
Acq: 5 Dec 2018 16:13

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDIC080

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 64.0  | 44.6  | 84.6  |
| 98      | 42.4  | 17.4  | 57.4  |

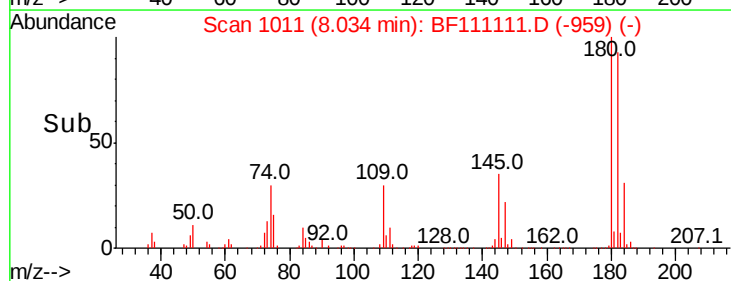
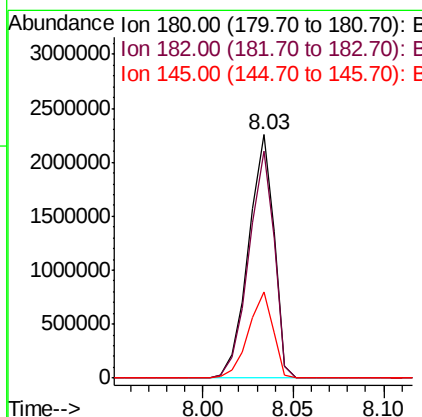
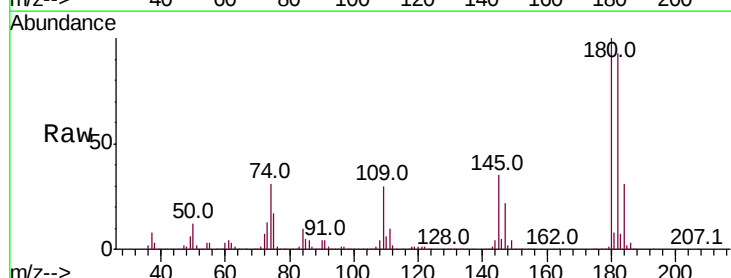
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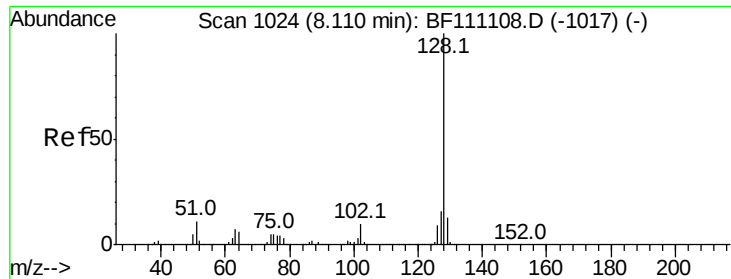
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#30  
1,2,4-Trichlorobenzene  
Concen: 67.114 ng  
RT: 8.03 min Scan# 1011  
Delta R.T. 0.01 min  
Lab File: BF111111.D  
Acq: 5 Dec 2018 16:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 93.0  | 80.3  | 120.5 |
| 145     | 35.5  | 25.4  | 38.0  |





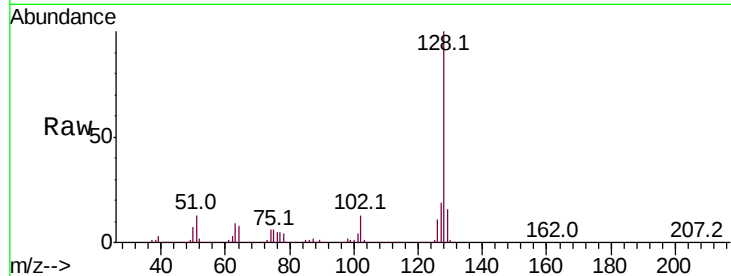
#31  
Naphthalene  
Concen: 60.821 ng  
RT: 8.12 min Scan# 1025  
Delta R.T. 0.01 min  
Lab File: BF111111.D  
Acq: 5 Dec 2018 16:13

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDIC080

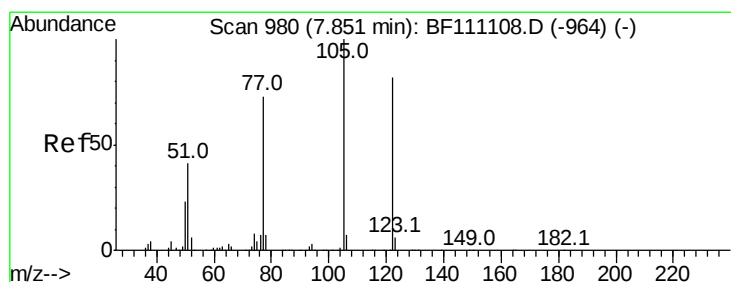
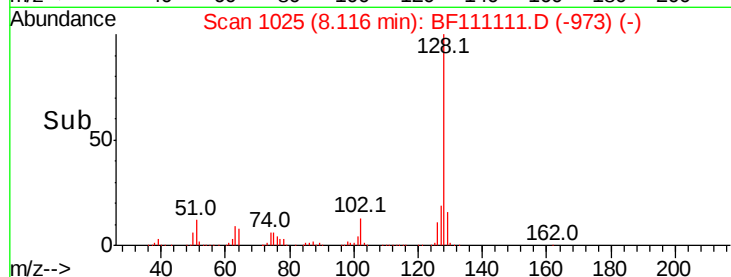
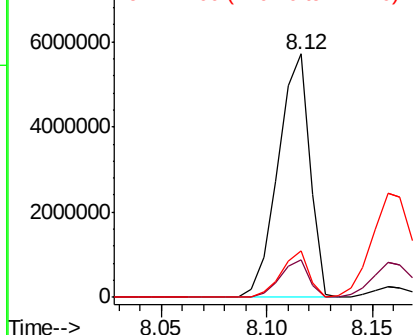
Tot Ion:128 Resp: 6003198  
Ion Ratio Lower Upper  
128 100  
129 15.7 8.8 13.2#  
127 19.1 10.8 16.2#

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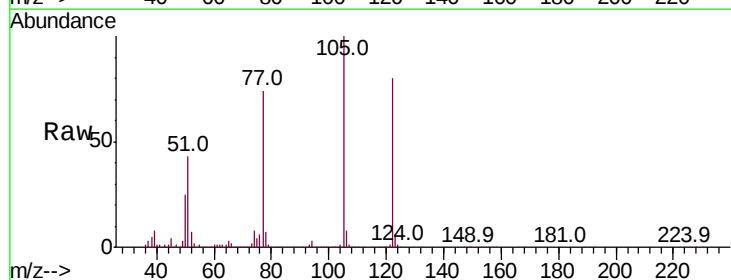


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

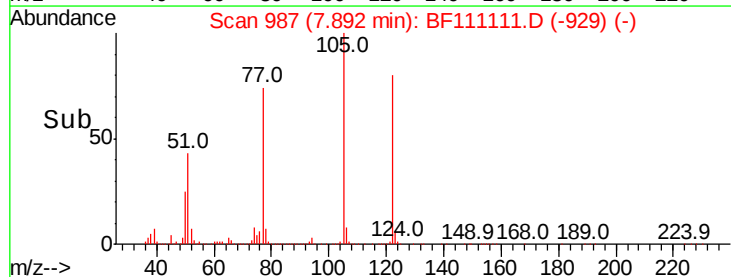
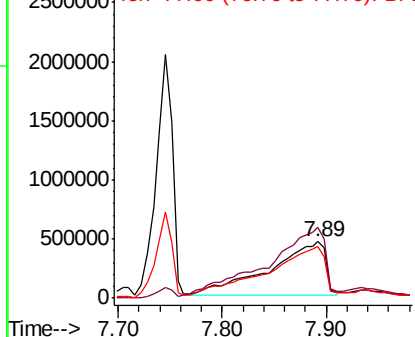


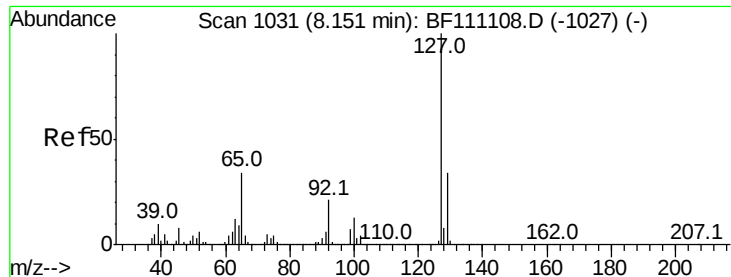
#32  
Benzoic acid  
Concen: 79.508 ng m  
RT: 7.89 min Scan# 987  
Delta R.T. 0.04 min  
Lab File: BF111111.D  
Acq: 5 Dec 2018 16:13

Tgt Ion:122 Resp: 1659403  
Ion Ratio Lower Upper  
122 100  
105 125.0 109.0 149.0  
77 92.2 79.0 119.0



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





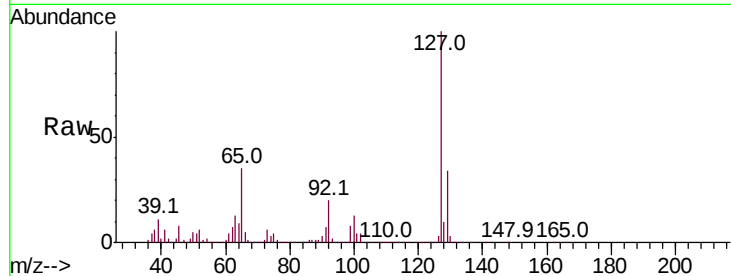
#33  
4-Chloroaniline  
Concen: 75.069 ng  
RT: 8.16 min Scan# 1032  
Delta R.T. 0.01 min  
Lab File: BF111111.D  
Acq: 5 Dec 2018 16:13

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDIC080

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 127     | 100   |       |       |
| 129     | 33.9  | 26.0  | 39.0  |
| 65      | 34.9  | 25.1  | 37.7  |
| 92      | 20.3  | 15.0  | 22.6  |

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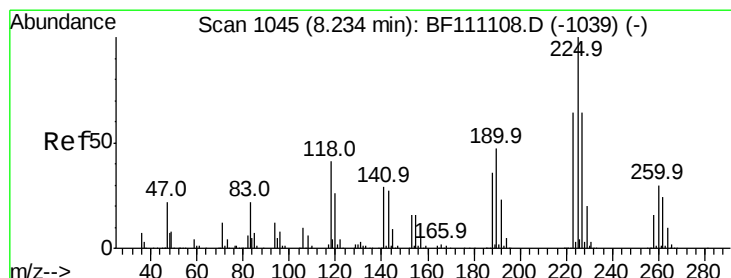
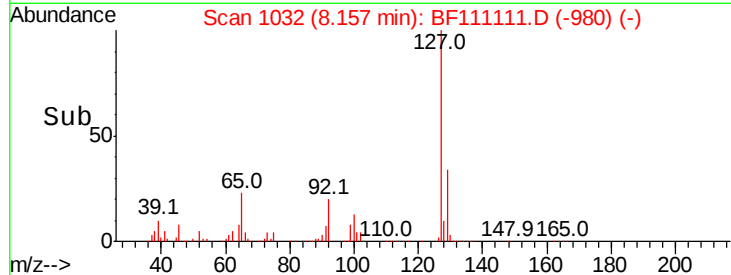
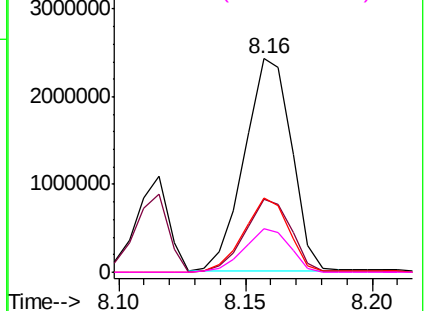
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

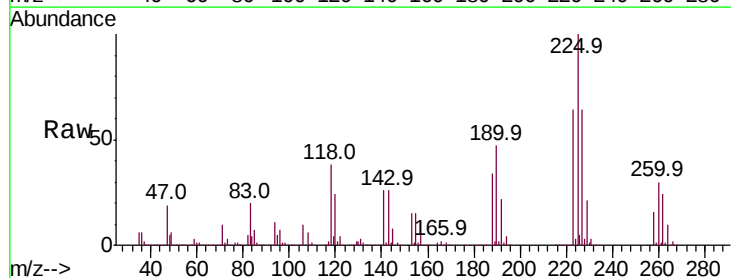
Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1



#34  
Hexachlorobutadiene  
Concen: 63.999 ng  
RT: 8.24 min Scan# 1046  
Delta R.T. 0.01 min  
Lab File: BF111111.D  
Acq: 5 Dec 2018 16:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 64.0  | 51.4  | 77.2  |
| 227     | 64.1  | 51.0  | 76.6  |

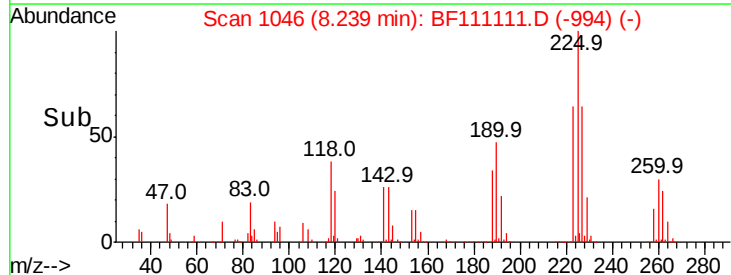
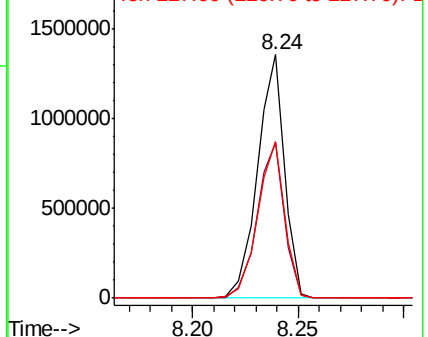


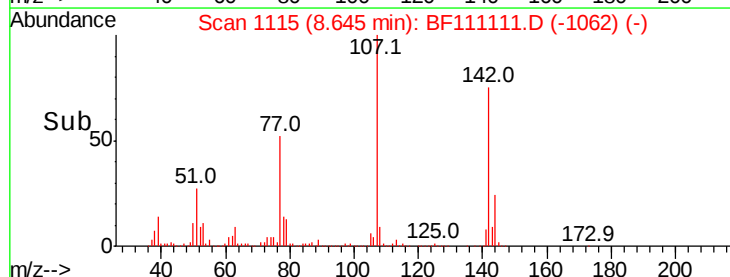
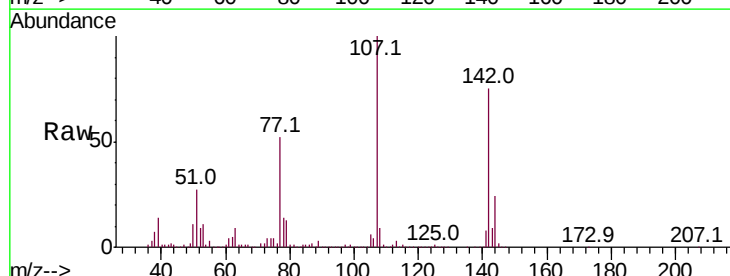
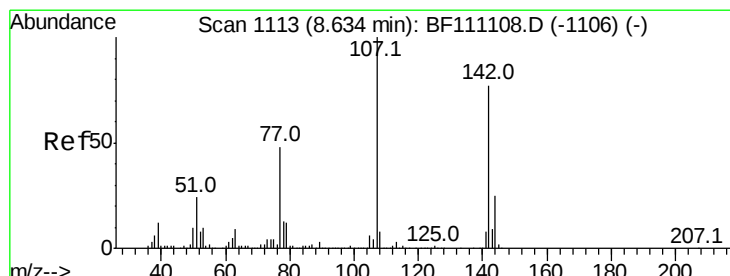
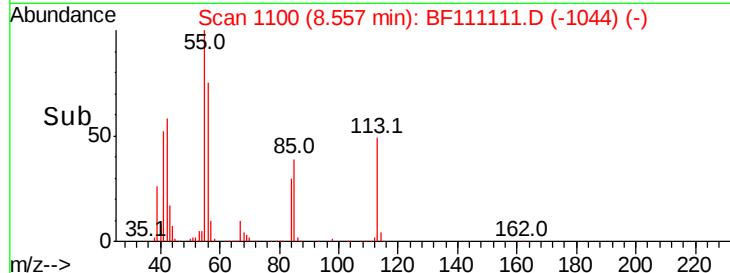
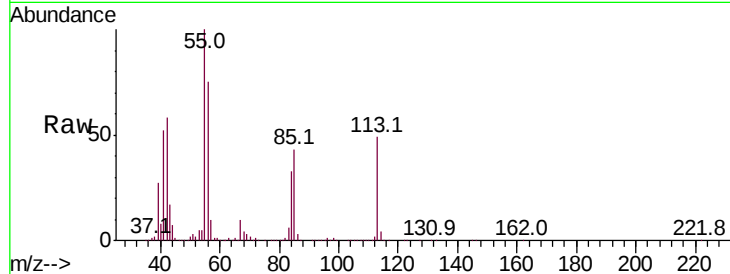
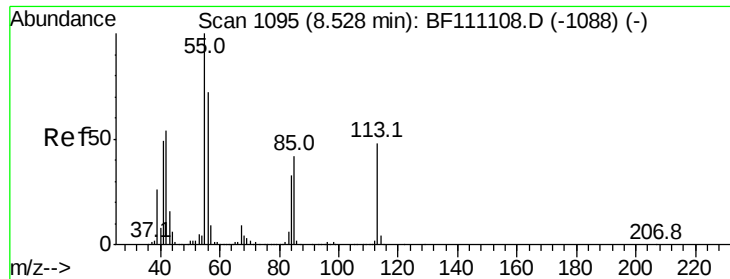
Abundance

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





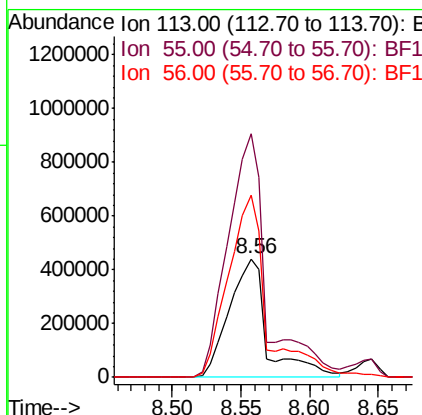
#35  
Caprolactam  
Concen: 85.576 ng m  
RT: 8.56 min Scan# 1100  
Delta R.T. 0.03 min  
Lab File: BF111111.D  
Acq: 5 Dec 2018 16:13

Tot Ion:113 Resp: 858209  
Ion Ratio Lower Upper  
113 100  
55 205.9 142.8 182.8#  
56 153.7 105.0 145.0#

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDIC080

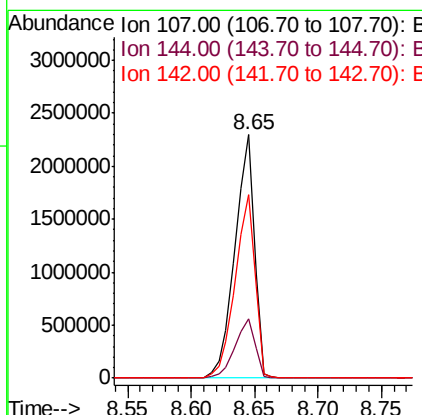
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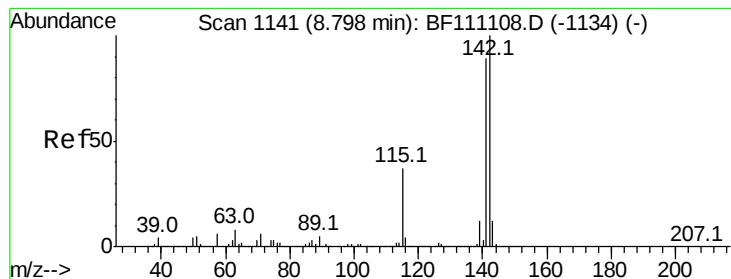
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#36  
4-Chloro-3-methylphenol  
Concen: 74.672 ng  
RT: 8.65 min Scan# 1115  
Delta R.T. 0.01 min  
Lab File: BF111111.D  
Acq: 5 Dec 2018 16:13

Tgt Ion:107 Resp: 2437166  
Ion Ratio Lower Upper  
107 100  
144 24.5 20.0 30.0  
142 75.4 59.7 89.5





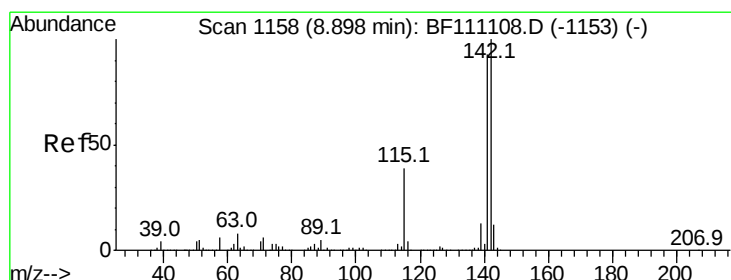
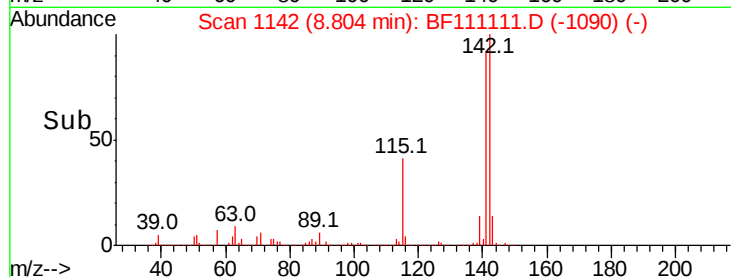
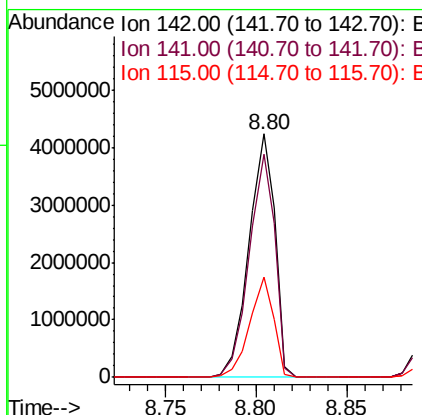
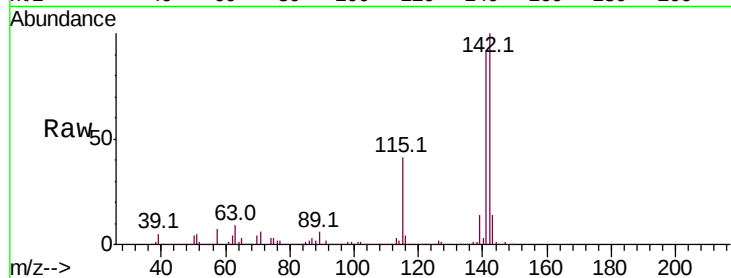
#37  
2-Methylnaphthalene  
Concen: 64.750 ng  
RT: 8.80 min Scan# 1142  
Delta R.T. 0.01 min  
Lab File: BF111111.D  
Acq: 5 Dec 2018 16:13

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDIC080

Tot Ion:142 Resp: 4221333  
Ion Ratio Lower Upper  
142 100  
141 91.6 71.4 107.2  
115 41.4 28.7 43.1

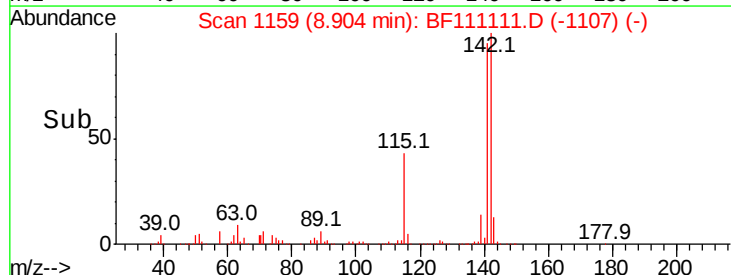
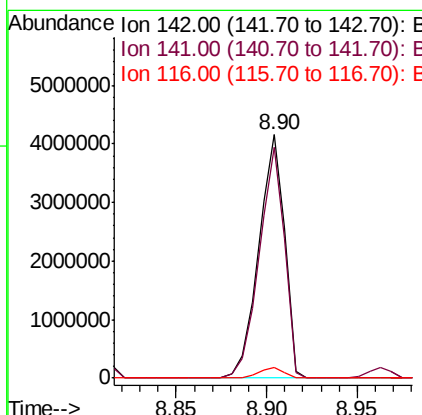
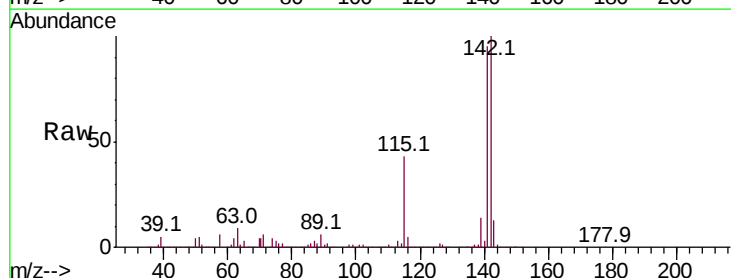
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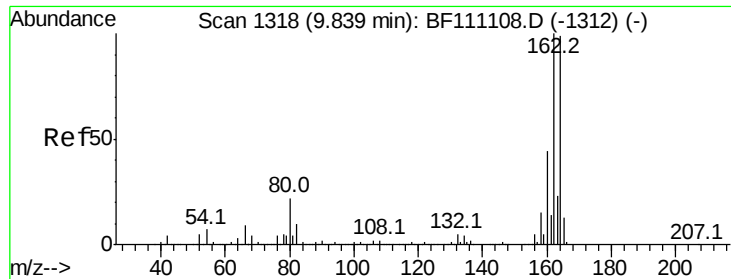
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#38  
1-Methylnaphthalene  
Concen: 64.790 ng  
RT: 8.90 min Scan# 1159  
Delta R.T. 0.01 min  
Lab File: BF111111.D  
Acq: 5 Dec 2018 16:13

Tgt Ion:142 Resp: 4108596  
Ion Ratio Lower Upper  
142 100  
141 94.9 74.2 111.4  
116 4.6 2.6 4.0#





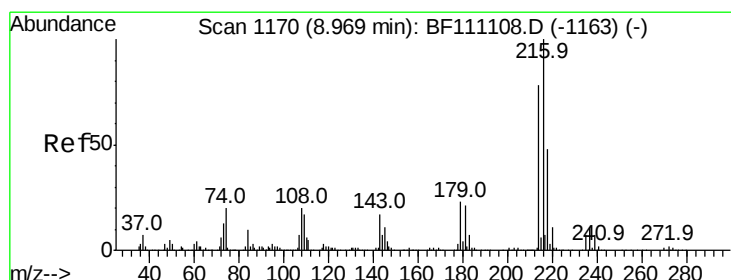
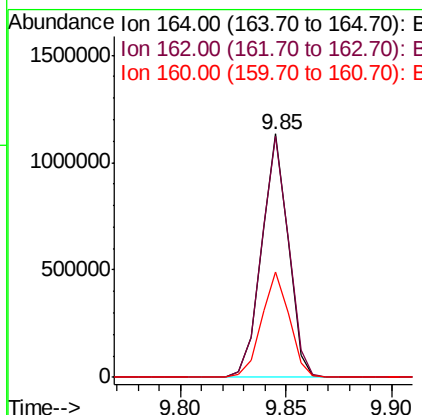
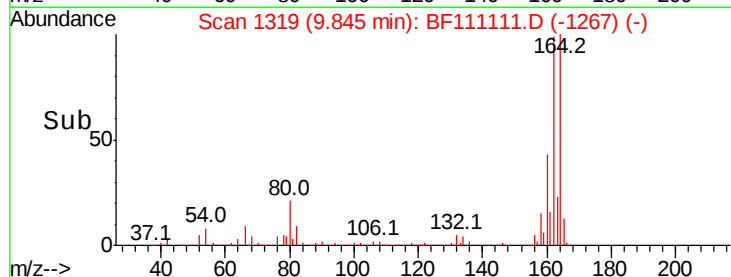
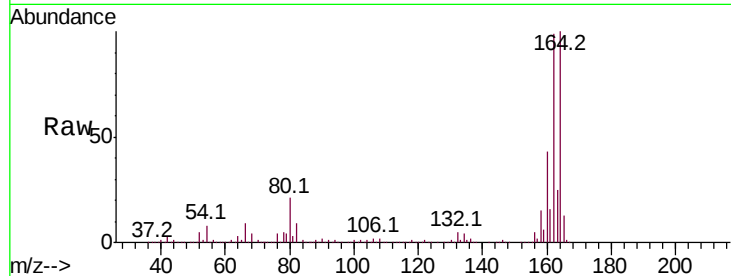
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.85 min Scan# 1319  
Delta R.T. 0.01 min  
Lab File: BF111111.D  
Acq: 5 Dec 2018 16:13

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDIC080

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 99.0  | 83.0  | 124.6 |
| 160     | 43.4  | 37.0  | 55.6  |

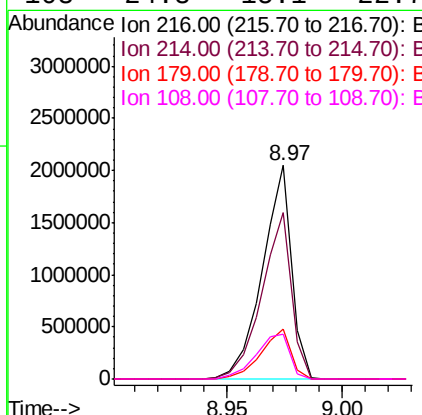
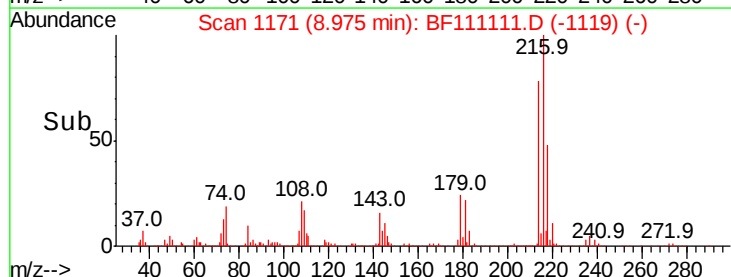
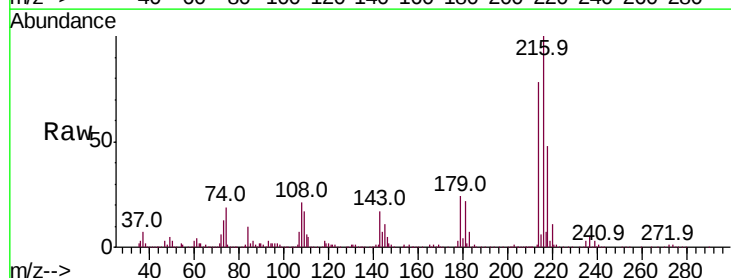
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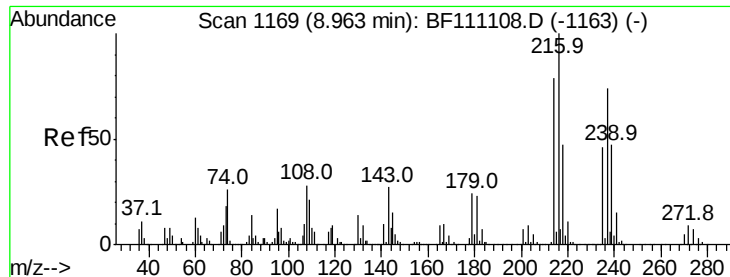
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#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 57.731 ng  
RT: 8.97 min Scan# 1171  
Delta R.T. 0.01 min  
Lab File: BF111111.D  
Acq: 5 Dec 2018 16:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 216     | 100   |       |       |
| 214     | 79.5  | 63.8  | 95.6  |
| 179     | 23.9  | 16.6  | 25.0  |
| 108     | 24.8  | 15.1  | 22.7# |





#41

Hexachlorocyclopentadiene

Concen: 331.650 ng

RT: 8.96 min Scan# 1169

Delta R.T. 0.00 min

Lab File: BF111111.D

Acq: 5 Dec 2018 16:13

Instrument :

BNA\_F

ClientSampleId :

SSTDIC080

Tot Ion:237 Resp: 1038443

Ion Ratio Lower Upper

237 100

235 63.0 43.1 83.1

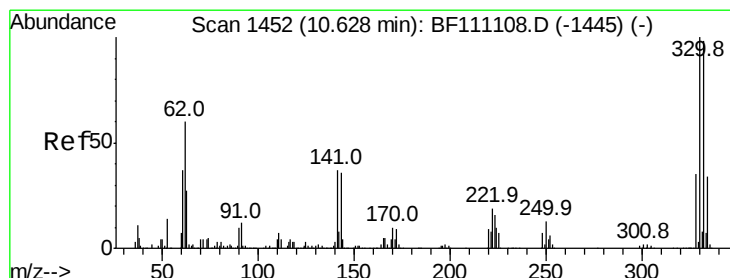
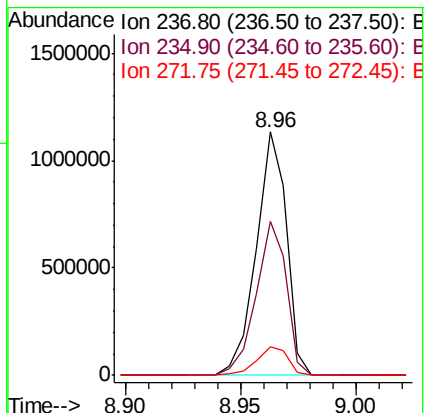
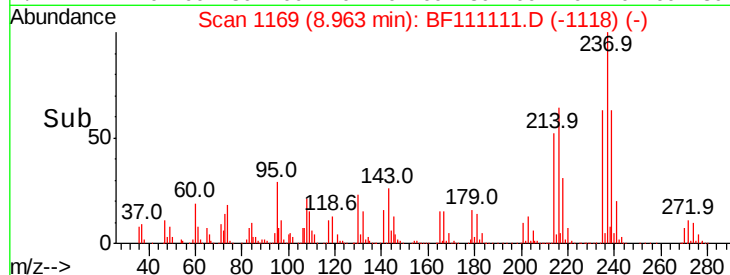
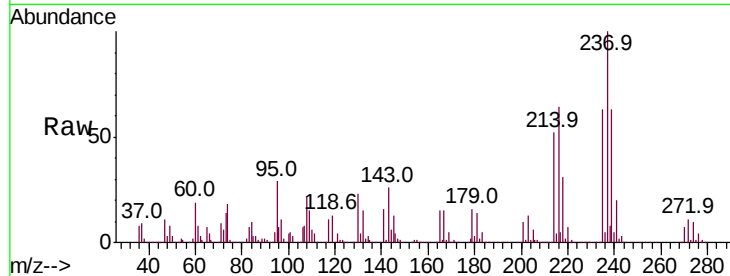
272 11.5 0.0 32.6

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#42

2,4,6-Tribromophenol

Concen: 114.901 ng

RT: 10.63 min Scan# 1453

Delta R.T. 0.01 min

Lab File: BF111111.D

Acq: 5 Dec 2018 16:13

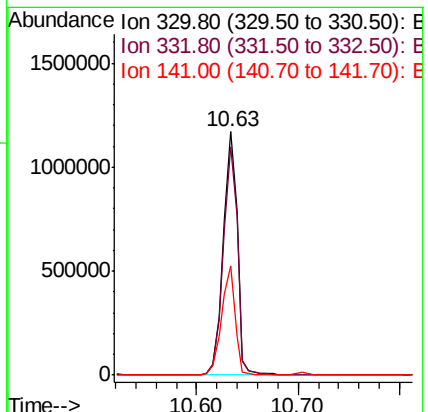
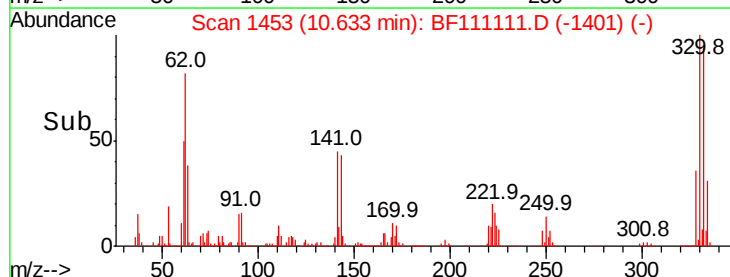
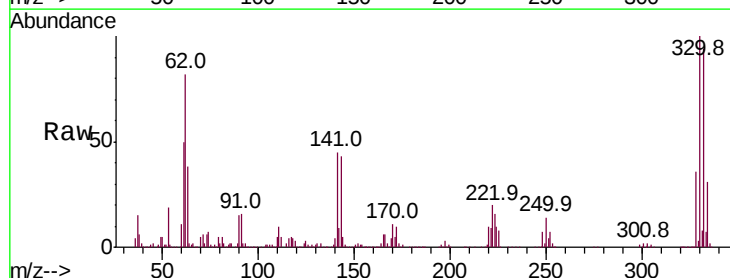
Tgt Ion:330 Resp: 1128787

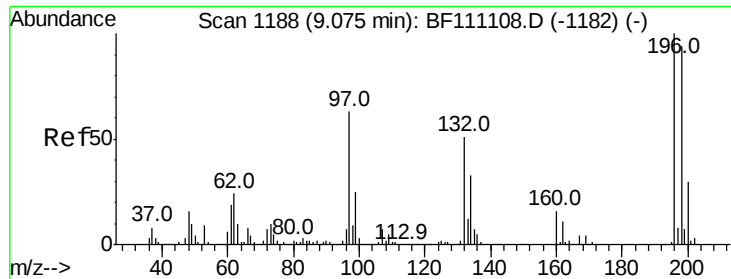
Ion Ratio Lower Upper

330 100

332 95.0 77.1 115.7

141 43.4 27.0 40.4#





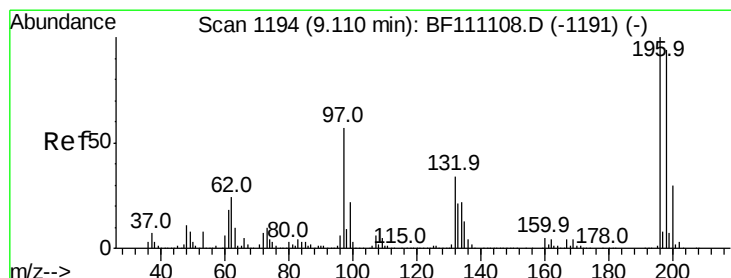
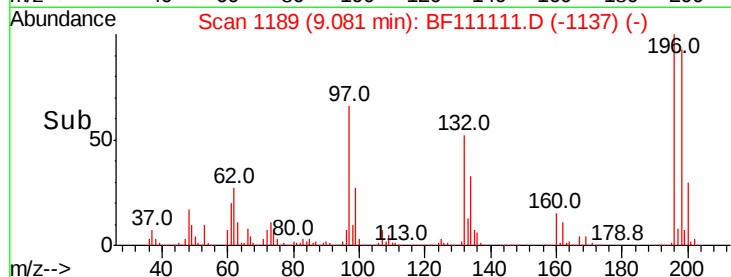
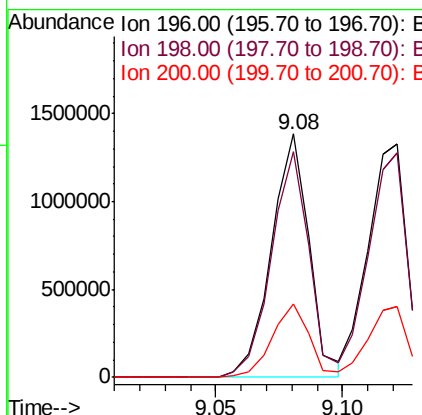
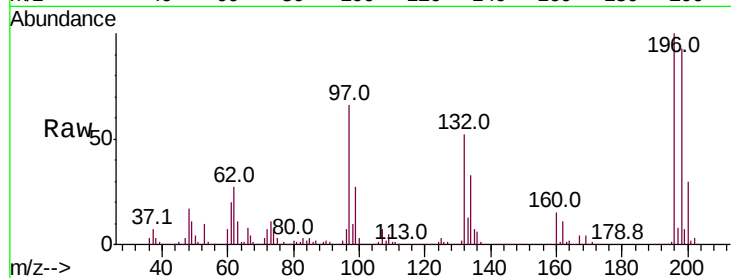
#43  
 2,4,6-Trichlorophenol  
 Concen: 76.627 ng  
 RT: 9.08 min Scan# 1189  
 Delta R.T. 0.01 min  
 Lab File: BF111111.D  
 Acq: 5 Dec 2018 16:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC080

Tot Ion:196 Resp: 1424091  
 Ion Ratio Lower Upper  
 196 100  
 198 92.9 76.2 114.4  
 200 30.3 24.4 36.6

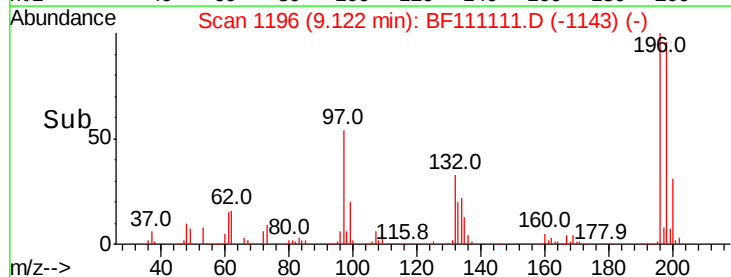
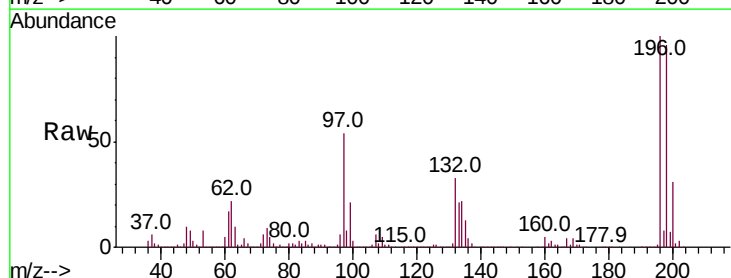
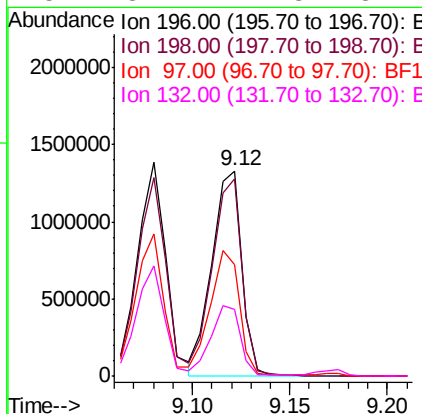
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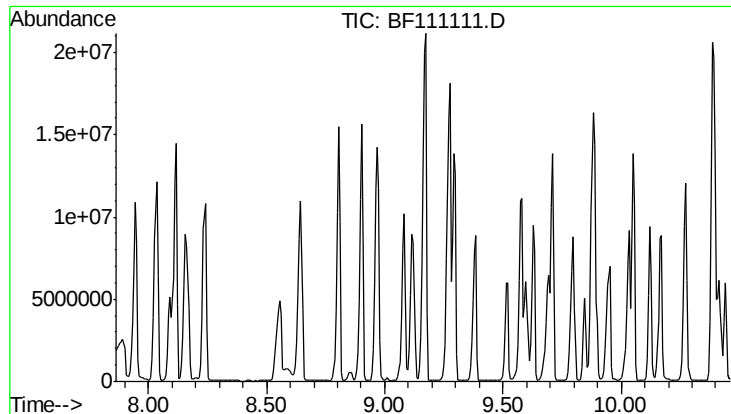
mohammad  
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#44  
 2,4,5-Trichlorophenol  
 Concen: 72.560 ng  
 RT: 9.12 min Scan# 1196  
 Delta R.T. 0.01 min  
 Lab File: BF111111.D  
 Acq: 5 Dec 2018 16:13

Tgt Ion:196 Resp: 1419910  
 Ion Ratio Lower Upper  
 196 100  
 198 95.8 75.8 113.6  
 97 54.1 42.4 63.6  
 132 32.7 22.8 34.2





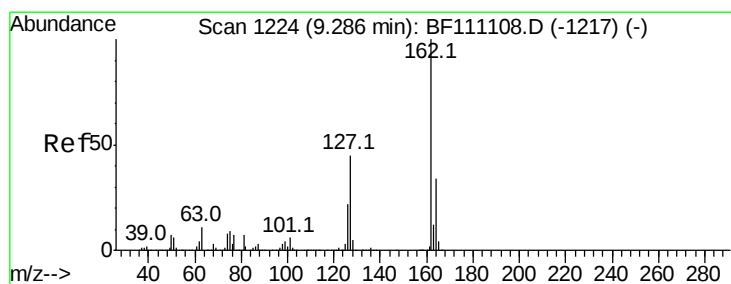
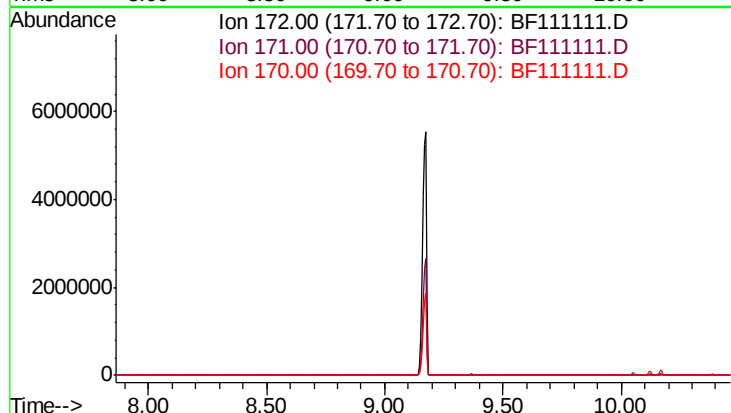
#45  
 2-Fluorobiphenyl  
 Concen: 0.000 ng  
 Expected RT: 9.16 min  
 Lab File: BF111111.D  
 Acq: 5 Dec 2018 16:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC080

Manual Integrations  
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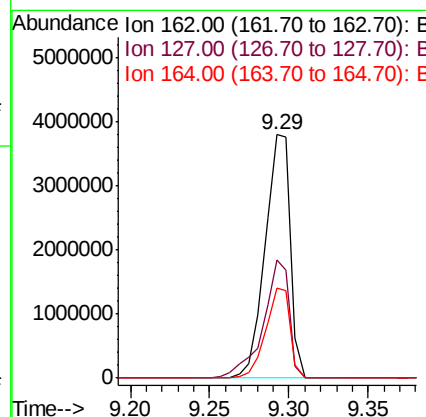
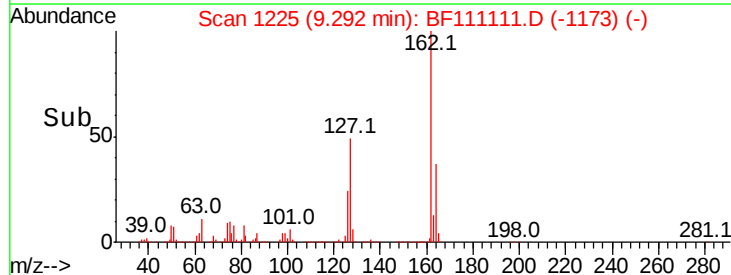
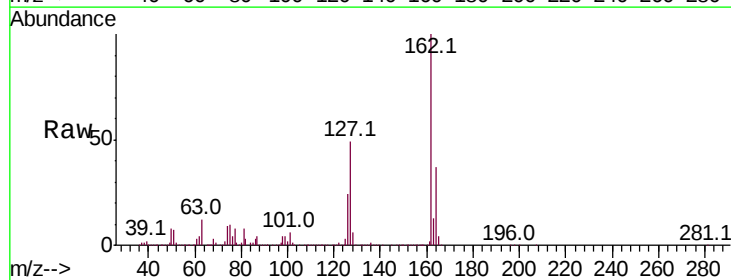
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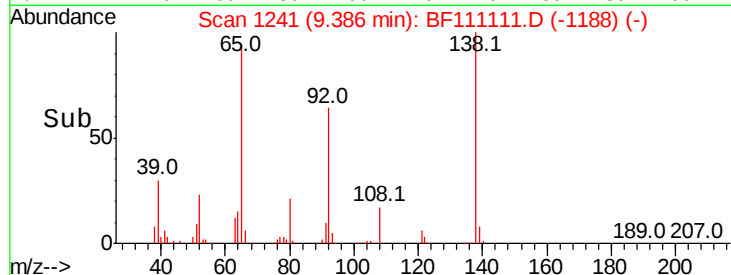
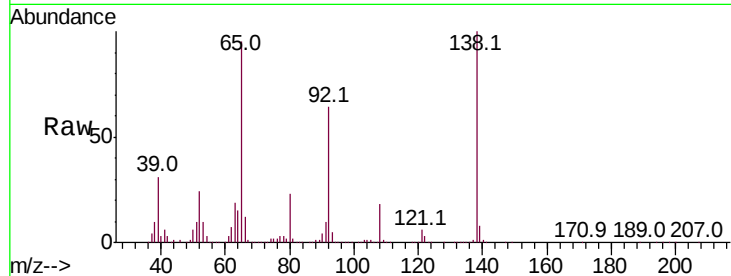
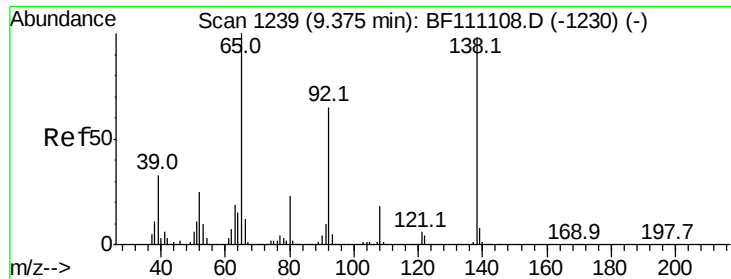
Tot Ion: 172  
 Sig Exp Ratio  
 172 100  
 171 35.8  
 170 24.6



#47  
 2-Chloronaphthalene  
 Concen: 63.982 ng  
 RT: 9.29 min Scan# 1225  
 Delta R.T. 0.01 min  
 Lab File: BF111111.D  
 Acq: 5 Dec 2018 16:13

Tgt Ion:162 Resp: 4230701  
 Ion Ratio Lower Upper  
 162 100  
 127 48.7 32.6 48.8  
 164 36.8 25.9 38.9





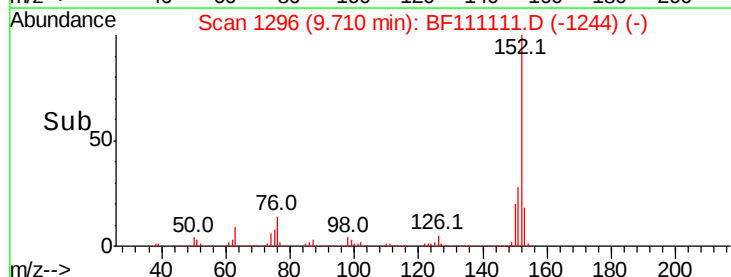
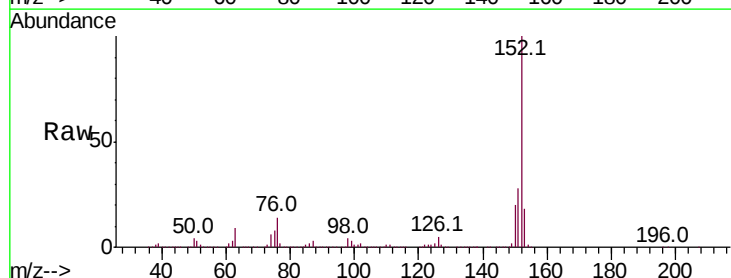
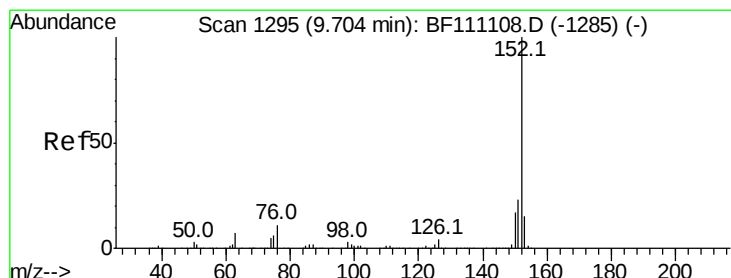
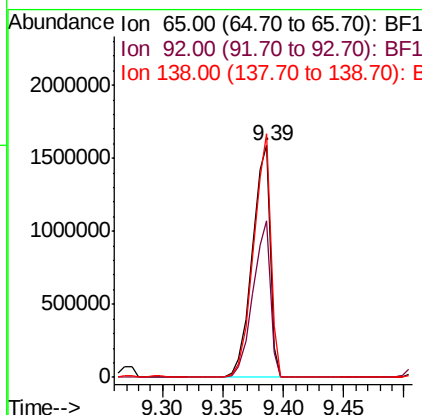
#48  
2-Nitroaniline  
Concen: 79.454 ng  
RT: 9.39 min Scan# 1241  
Delta R.T. 0.01 min  
Lab File: BF111111.D  
Acq: 5 Dec 2018 16:13

Tot Ion: 65 Resp: 1643295  
Ion Ratio Lower Upper  
65 100  
92 67.3 54.6 81.8  
138 105.0 80.3 120.5

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDIC080

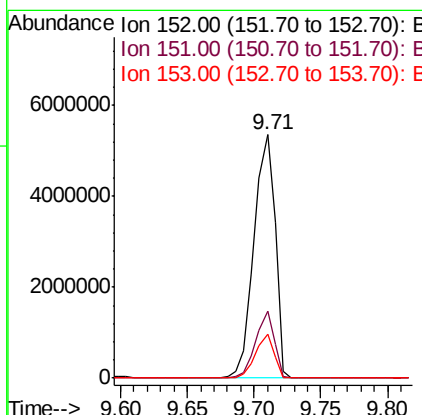
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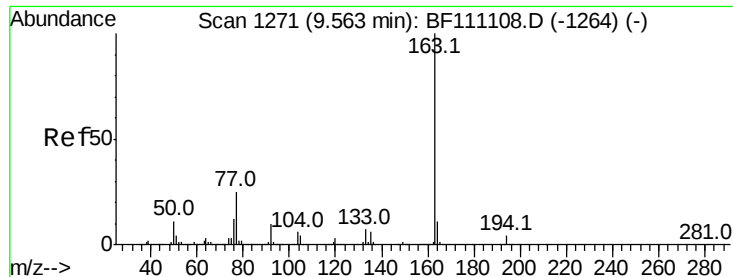
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#49  
Acenaphthylene  
Concen: 61.670 ng  
RT: 9.71 min Scan# 1296  
Delta R.T. 0.01 min  
Lab File: BF111111.D  
Acq: 5 Dec 2018 16:13

Tgt Ion:152 Resp: 5798599  
Ion Ratio Lower Upper  
152 100  
151 27.5 15.8 23.8#  
153 17.8 10.4 15.6#





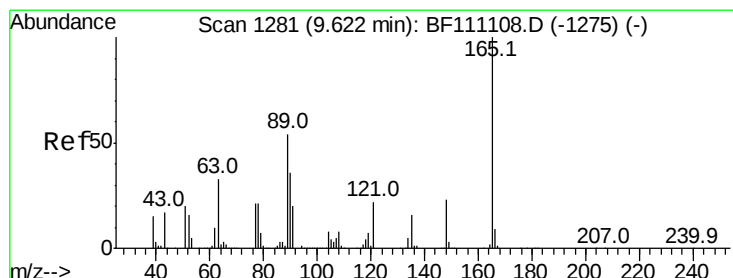
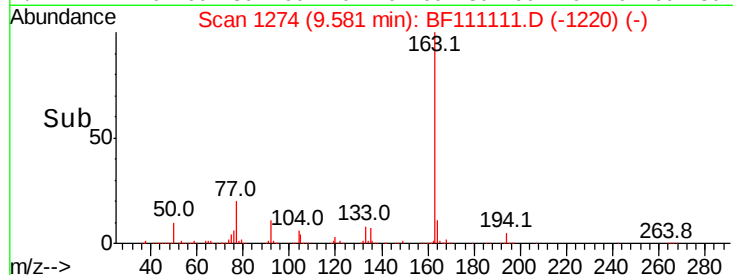
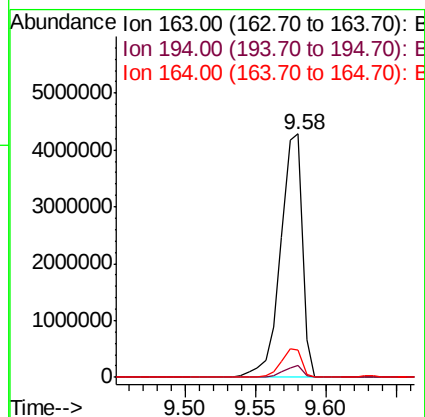
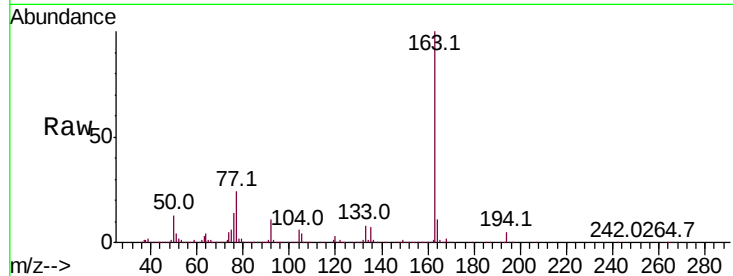
#50  
Dimethylphthalate  
Concen: 63.479 ng  
RT: 9.58 min Scan# 1274  
Delta R.T. 0.02 min  
Lab File: BF111111.D  
Acq: 5 Dec 2018 16:13

Instrument :  
BNA\_F  
ClientSampled :  
SSTDICC080

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.7   | 3.2   | 4.8   |
| 164     | 11.5  | 8.1   | 12.1  |

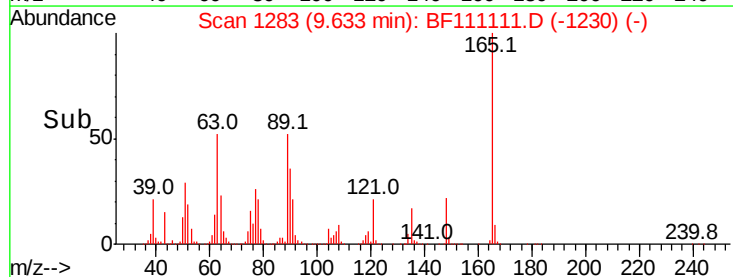
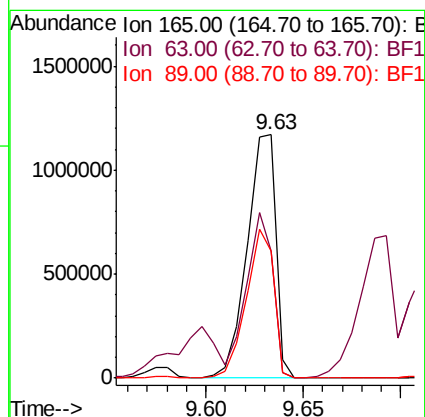
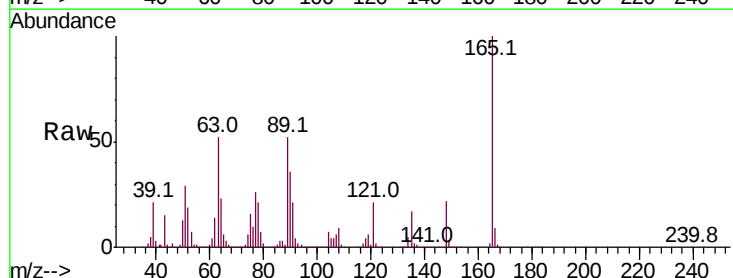
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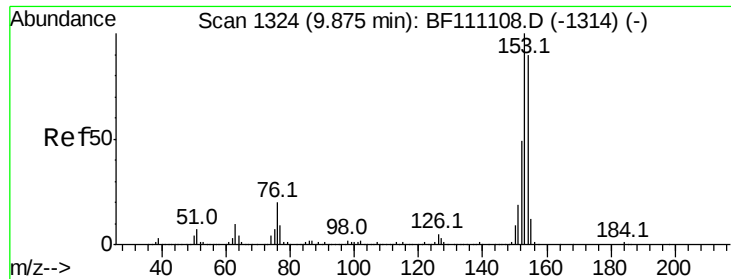
mohammad  
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#51  
2,6-Dinitrotoluene  
Concen: 74.132 ng  
RT: 9.63 min Scan# 1283  
Delta R.T. 0.01 min  
Lab File: BF111111.D  
Acq: 5 Dec 2018 16:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 52.4  | 48.9  | 73.3  |
| 89      | 52.0  | 46.6  | 69.8  |





#52

Acenaphthene

Concen: 65.391 ng

RT: 9.88 min Scan# 1325

Delta R.T. 0.01 min

Lab File: BF111111.D

Acq: 5 Dec 2018 16:13

Instrument :

BNA\_F

ClientSampleId :

SSTDIC080

Tot Ion:154 Resp: 3941576

Ion Ratio Lower Upper

154 100

153 107.3 90.1 135.1

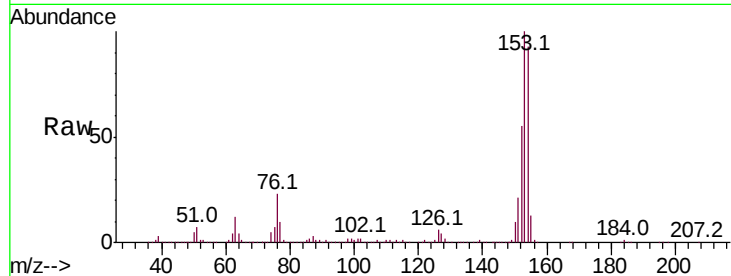
152 58.5 43.4 65.2

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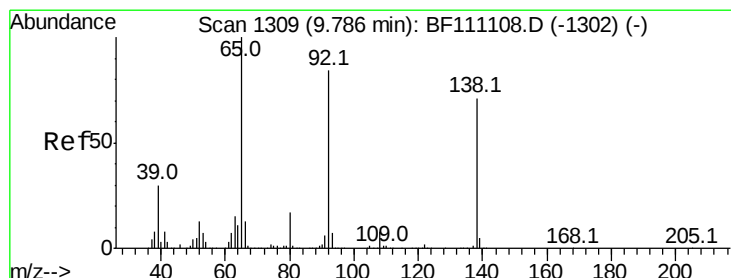
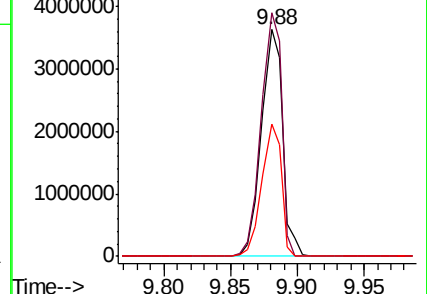
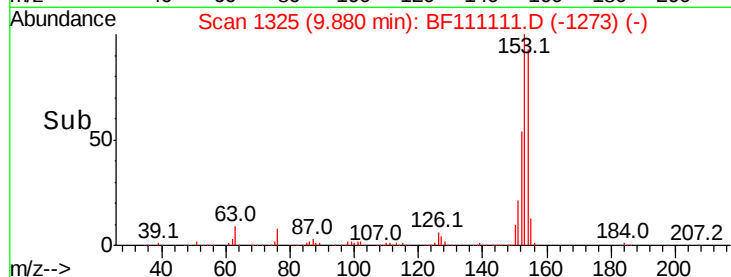
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#53

3-Nitroaniline

Concen: 77.688 ng

RT: 9.80 min Scan# 1311

Delta R.T. 0.01 min

Lab File: BF111111.D

Acq: 5 Dec 2018 16:13

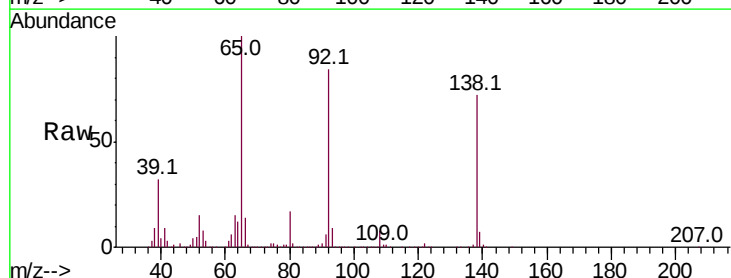
Tgt Ion:138 Resp: 1462371

Ion Ratio Lower Upper

138 100

108 11.2 8.7 13.1

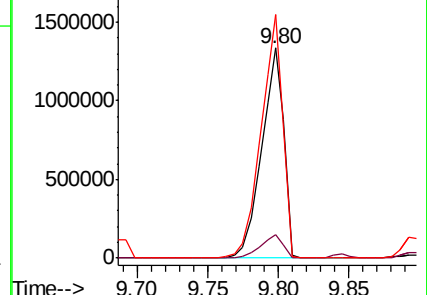
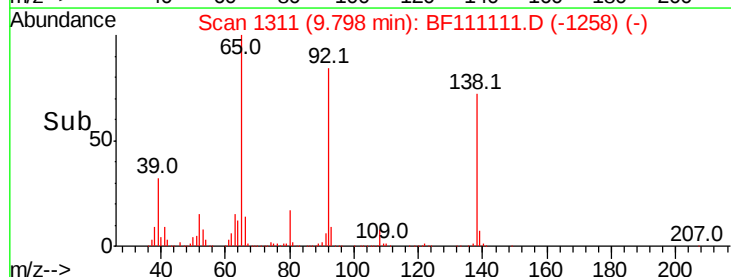
92 116.0 97.0 145.4

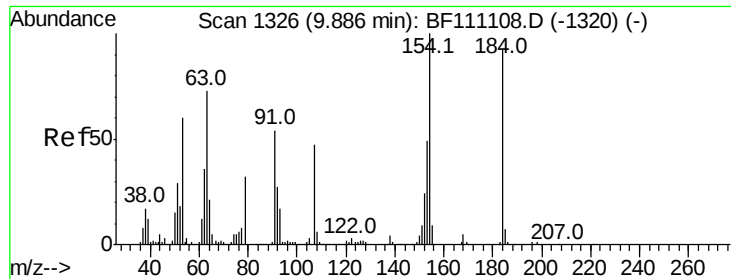


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1





#54

2,4-Dinitrophenol

Concen: 73.063 ng

RT: 9.90 min Scan# 1328

Delta R.T. 0.01 min

Lab File: BF111111.D

Acq: 5 Dec 2018 16:13

Instrument :

BNA\_F

ClientSampleId :

SSTDIC080

Tot Ion:184 Resp: 375101

Ion Ratio Lower Upper

184 100

63 67.6 55.8 83.6

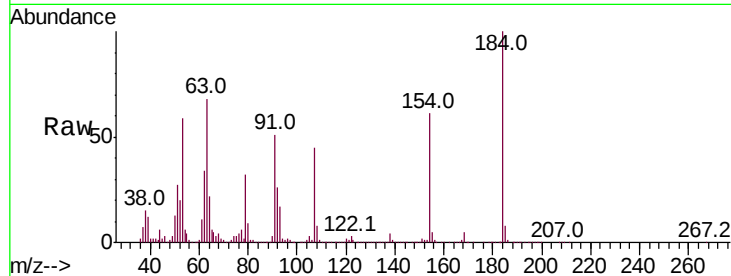
154 61.0 63.2 94.8#

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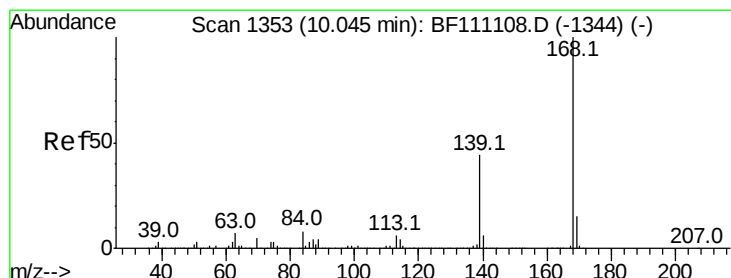
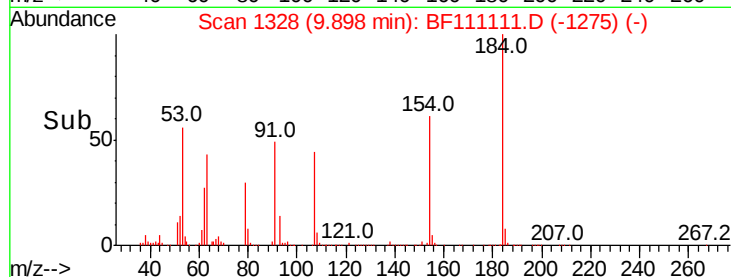
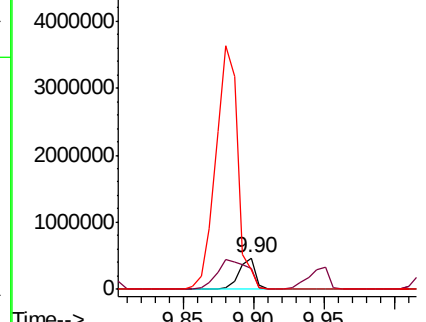
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Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E



#55

Dibenzofuran

Concen: 60.336 ng

RT: 10.05 min Scan# 1354

Delta R.T. 0.01 min

Lab File: BF111111.D

Acq: 5 Dec 2018 16:13

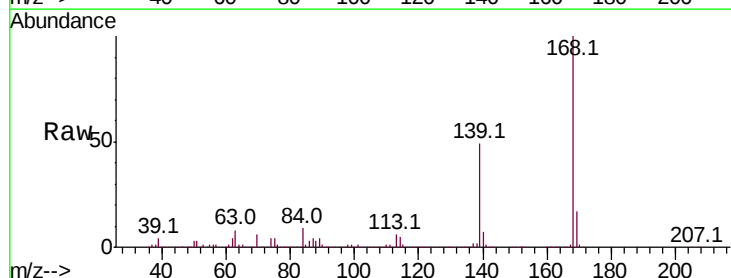
Tgt Ion:168 Resp: 5305723

Ion Ratio Lower Upper

168 100

139 49.0 33.0 49.6

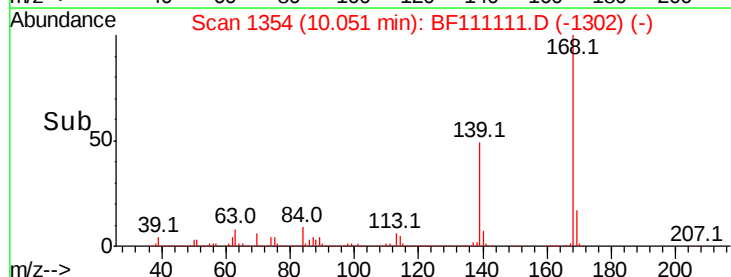
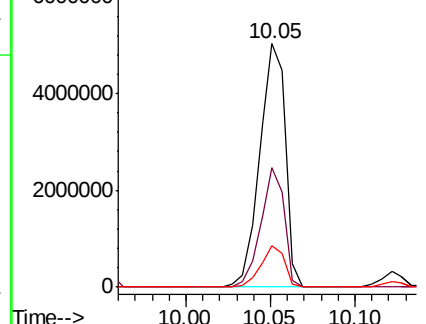
169 17.2 11.3 16.9#

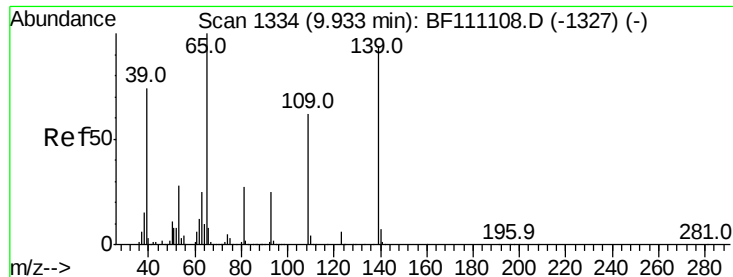


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





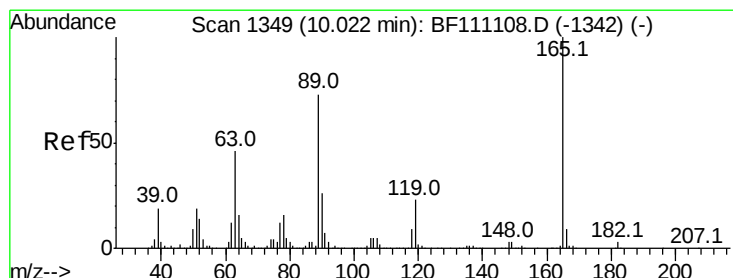
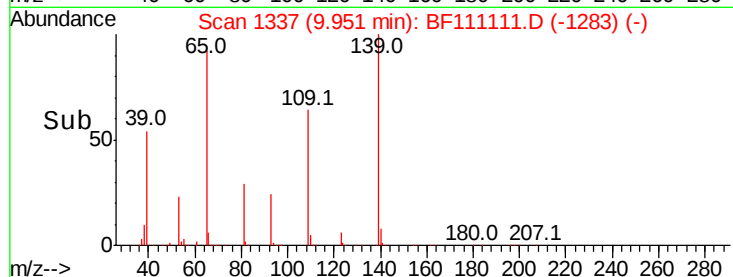
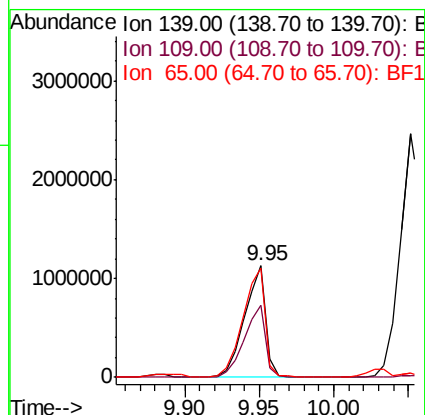
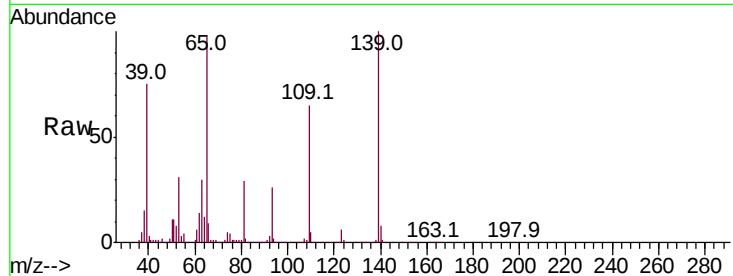
#56  
4-Nitrophenol  
Concen: 117.598 ng  
RT: 9.95 min Scan# 1337  
Delta R.T. 0.02 min  
Lab File: BF111111.D  
Acq: 5 Dec 2018 16:13

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDIC080

Tot Ion:139 Resp: 1104020  
Ion Ratio Lower Upper  
139 100  
109 65.0 55.8 95.8  
65 98.4 77.9 117.9

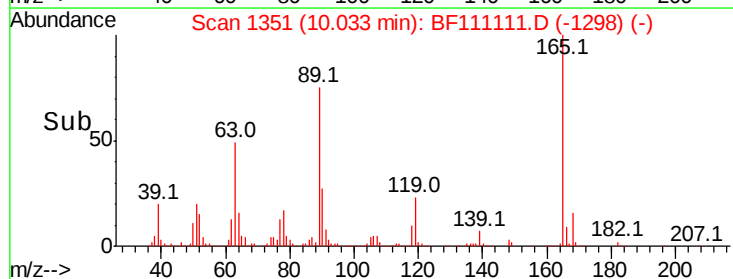
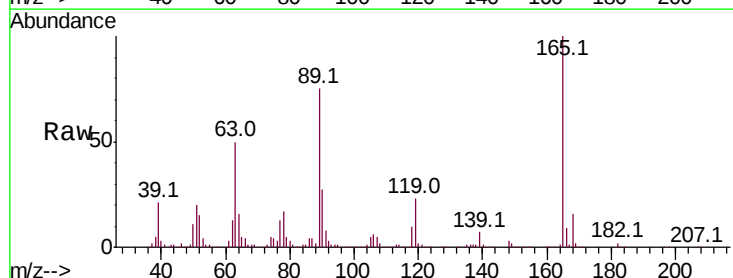
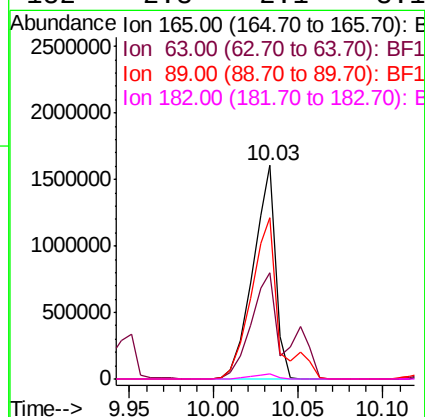
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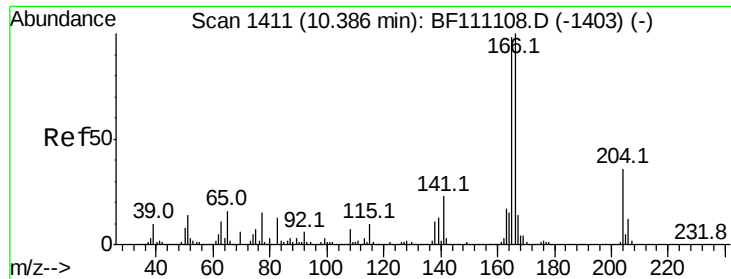
mohammad  
12/6/2018 12:11:41 PM



#57  
2,4-Dinitrotoluene  
Concen: 71.789 ng  
RT: 10.03 min Scan# 1351  
Delta R.T. 0.01 min  
Lab File: BF111111.D  
Acq: 5 Dec 2018 16:13

Tgt Ion:165 Resp: 1504265  
Ion Ratio Lower Upper  
165 100  
63 49.8 44.8 67.2  
89 75.4 62.2 93.4  
182 2.3 2.1 3.1





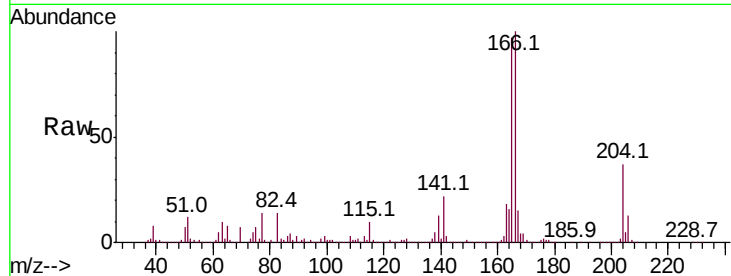
#58  
 Fluorene  
 Concen: 55.286 ng  
 RT: 10.39 min Scan# 1412  
 Delta R.T. 0.01 min  
 Lab File: BF111111.D  
 Acq: 5 Dec 2018 16:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC080

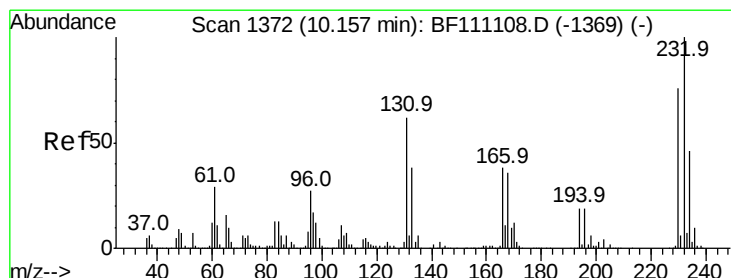
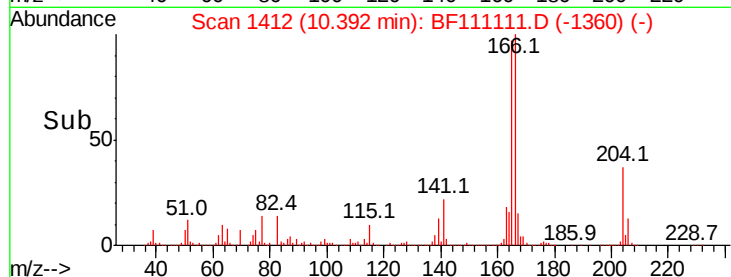
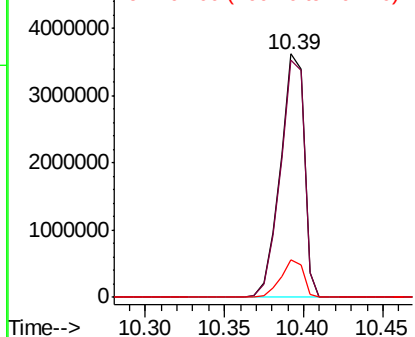
Tot Ion:166 Resp: 3782553  
 Ion Ratio Lower Upper  
 166 100  
 165 97.4 78.6 117.8  
 167 15.2 10.8 16.2

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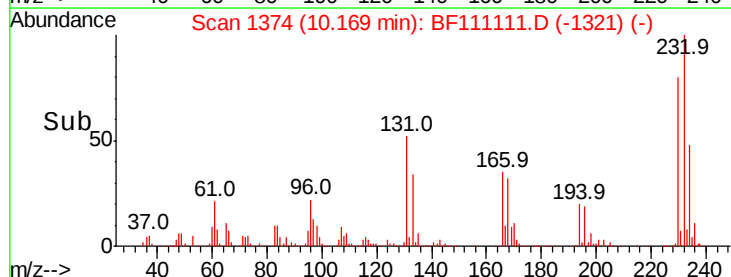
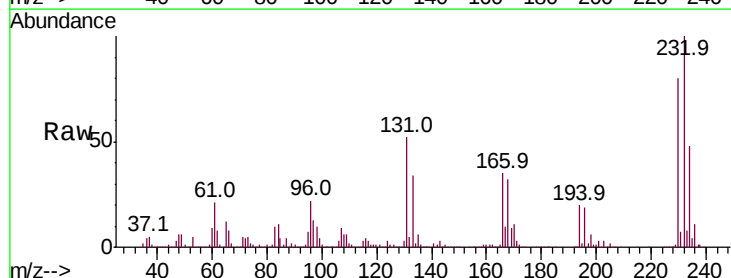
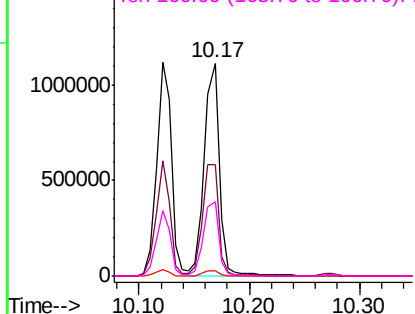
Abundance Ion 166.00 (165.70 to 166.70): E  
 Ion 165.00 (164.70 to 165.70): E  
 Ion 167.00 (166.70 to 167.70): E

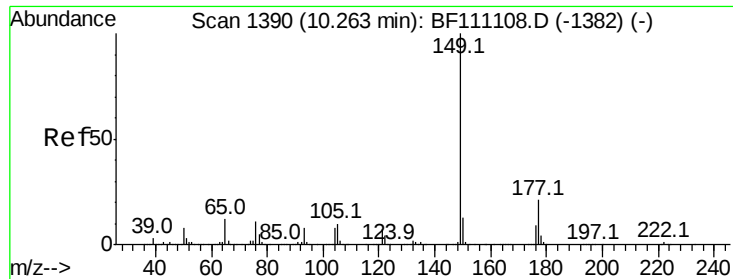


#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 63.778 ng  
 RT: 10.17 min Scan# 1374  
 Delta R.T. 0.01 min  
 Lab File: BF111111.D  
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Tgt Ion:232 Resp: 1024267  
 Ion Ratio Lower Upper  
 232 100  
 131 56.0 37.0 55.4#  
 130 2.7 1.8 2.6#  
 166 35.4 22.0 33.0#

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





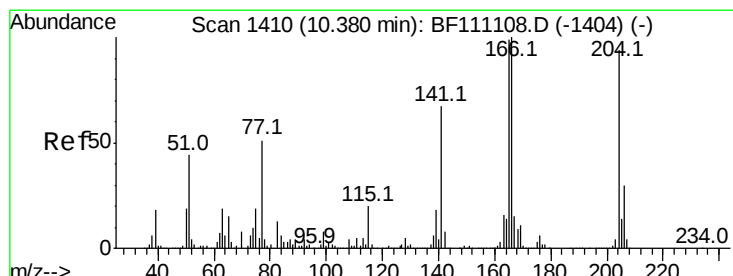
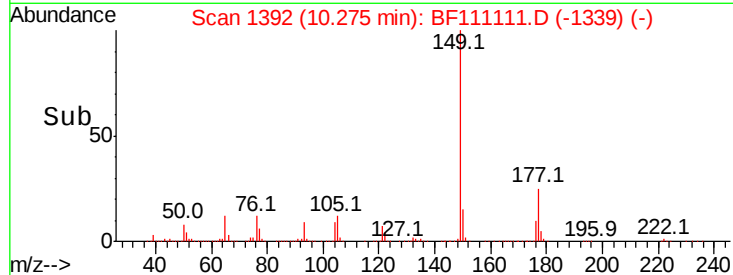
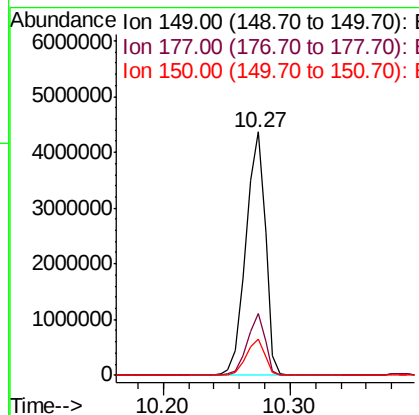
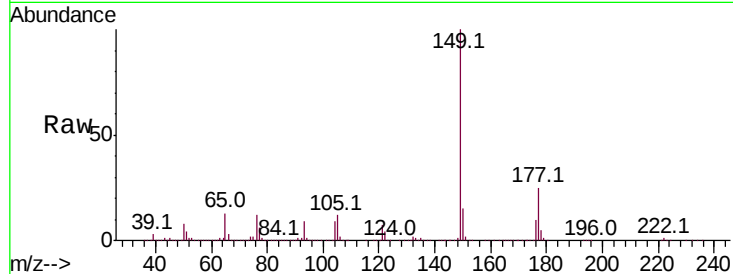
#60  
 Diethylphthalate  
 Concen: 61.876 ng  
 RT: 10.27 min Scan# 1392  
 Delta R.T. 0.01 min  
 Lab File: BF111111.D  
 Acq: 5 Dec 2018 16:13

Instrument :  
 BNA\_F  
 ClientSampleID :  
 SSTDICC080

| Tot Ion: | 149   | Resp: | 4629072 |
|----------|-------|-------|---------|
| Ion      | Ratio | Lower | Upper   |
| 149      | 100   |       |         |
| 177      | 25.3  | 17.4  | 26.2    |
| 150      | 15.0  | 9.8   | 14.8#   |

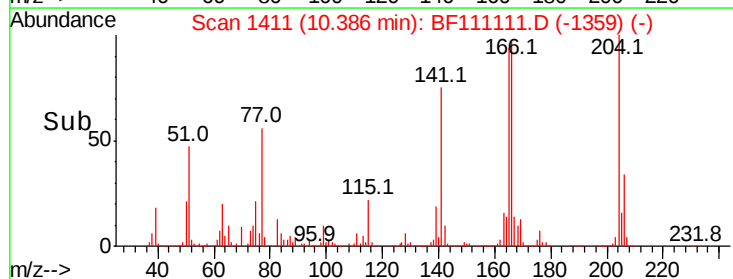
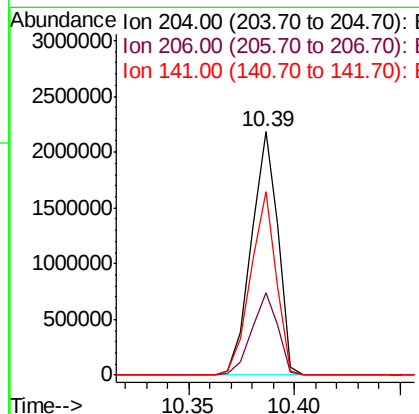
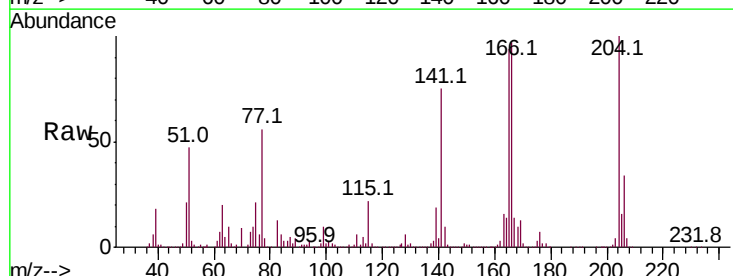
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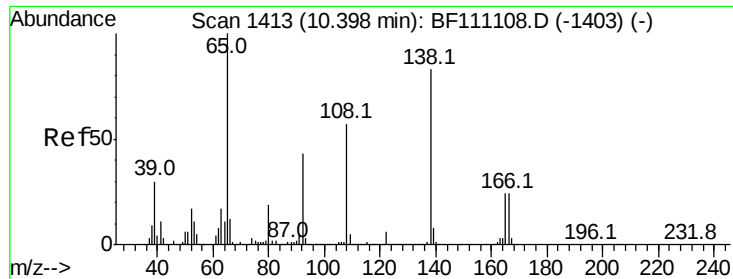
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#61  
 4-Chlorophenyl-phenylether  
 Concen: 53.192 ng  
 RT: 10.39 min Scan# 1411  
 Delta R.T. 0.01 min  
 Lab File: BF111111.D  
 Acq: 5 Dec 2018 16:13

| Tgt Ion: | 204   | Resp: | 1903524 |
|----------|-------|-------|---------|
| Ion      | Ratio | Lower | Upper   |
| 204      | 100   |       |         |
| 206      | 33.7  | 26.5  | 39.7    |
| 141      | 75.2  | 51.8  | 77.8    |





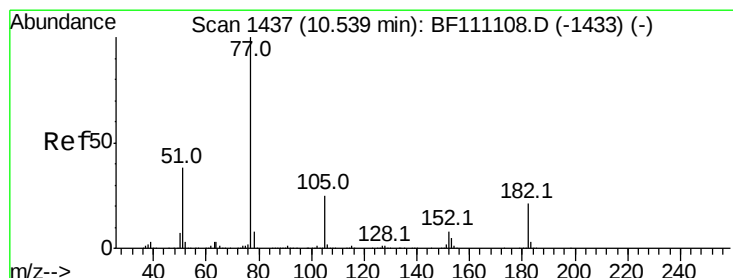
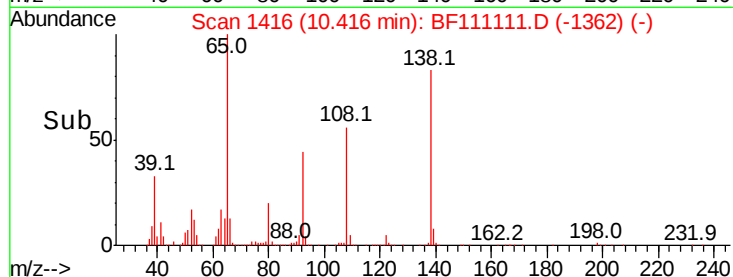
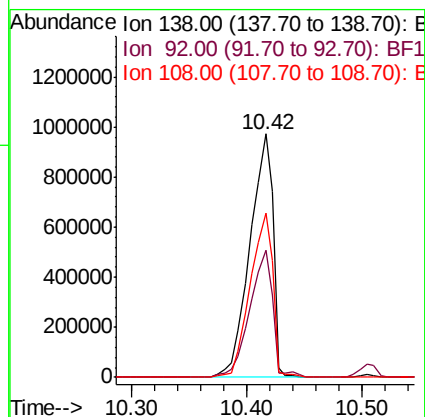
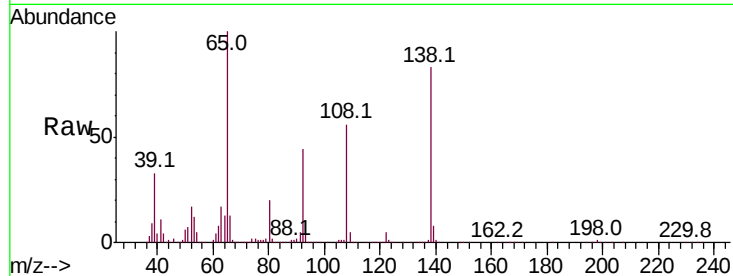
#62  
4-Nitroaniline  
Concen: 77.304 ng  
RT: 10.42 min Scan# 1416  
Delta R.T. 0.02 min  
Lab File: BF111111.D  
Acq: 5 Dec 2018 16:13

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080

Tot Ion:138 Resp: 1354854  
Ion Ratio Lower Upper  
138 100  
92 52.4 31.7 71.7  
108 67.4 59.3 99.3

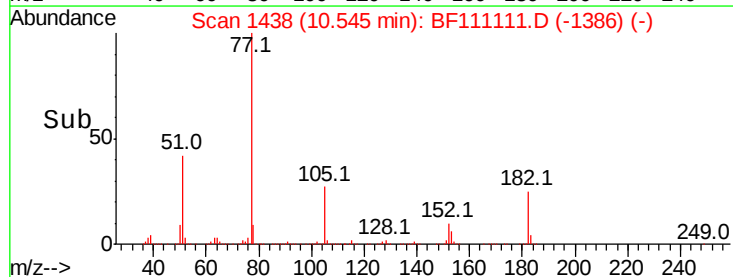
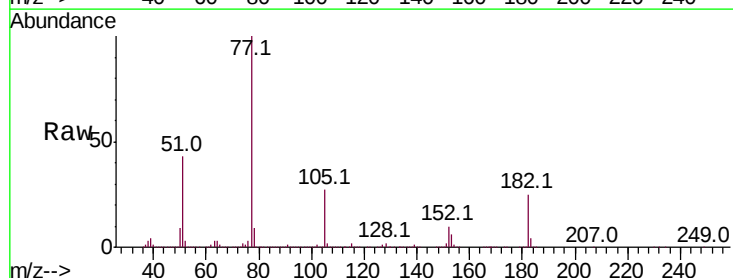
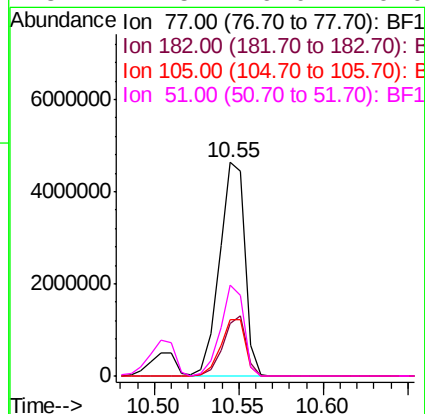
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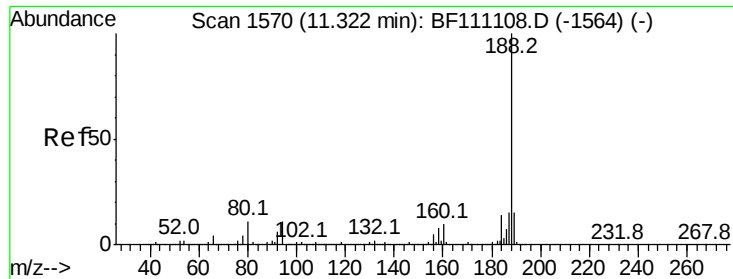
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#63  
Azobenzene  
Concen: 66.049 ng  
RT: 10.55 min Scan# 1438  
Delta R.T. 0.01 min  
Lab File: BF111111.D  
Acq: 5 Dec 2018 16:13

Tgt Ion: 77 Resp: 4816295  
Ion Ratio Lower Upper  
77 100  
182 24.7 4.3 44.3  
105 26.6 1.3 41.3  
51 42.5 9.0 49.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1570

Delta R.T. 0.00 min

Lab File: BF111111.D

Acq: 5 Dec 2018 16:13

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080

Tot Ion:188 Resp: 1641963

Ion Ratio Lower Upper

188 100

94 11.6 7.2 10.8#

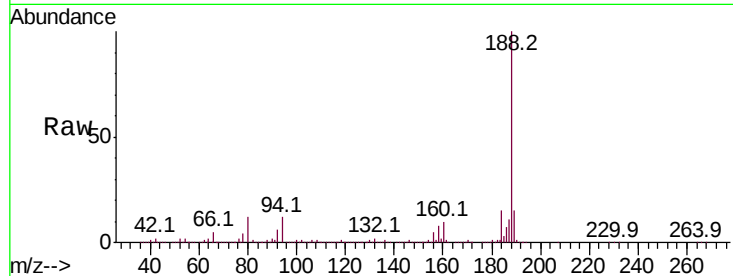
80 12.1 7.9 11.9#

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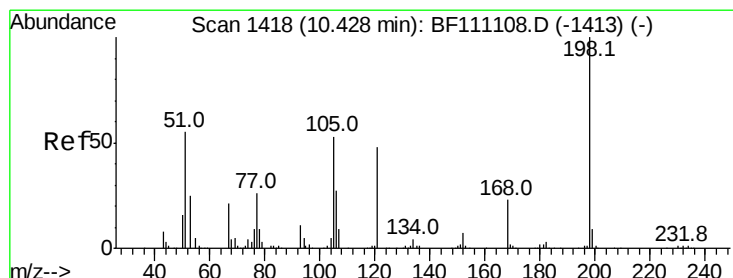
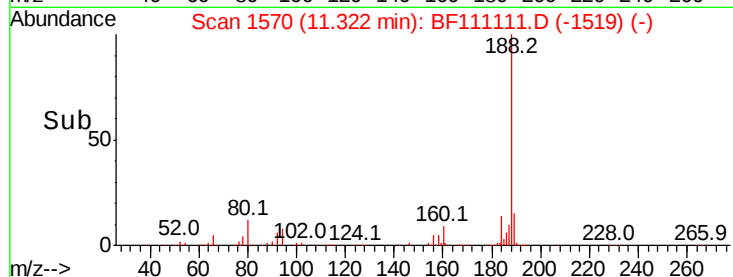
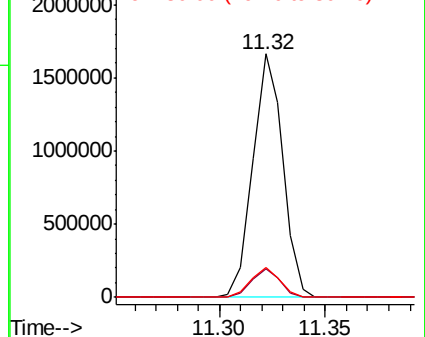
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#65

4,6-Dinitro-2-methylphenol

Concen: 79.590 ng

RT: 10.44 min Scan# 1420

Delta R.T. 0.01 min

Lab File: BF111111.D

Acq: 5 Dec 2018 16:13

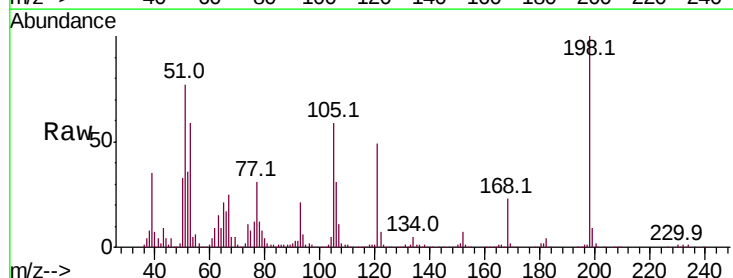
Tgt Ion:198 Resp: 618177

Ion Ratio Lower Upper

198 100

51 77.5 22.8 62.8#

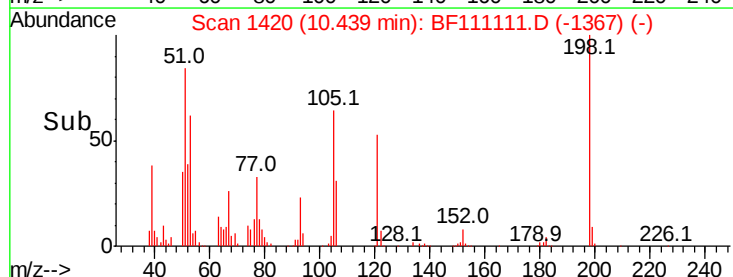
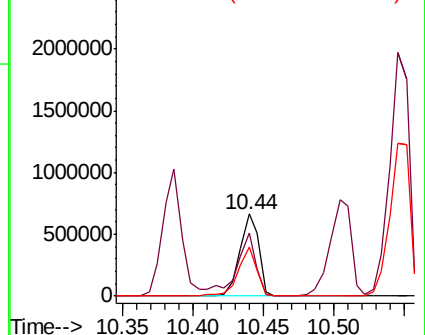
105 59.2 23.6 63.6

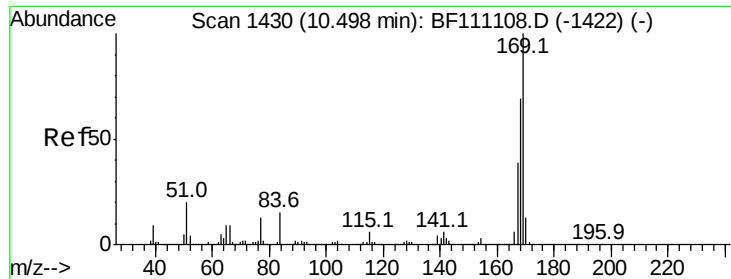


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





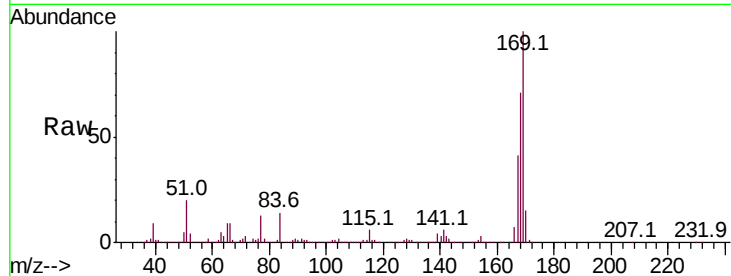
#66  
n-Nitrosodiphenylamine  
Concen: 71.855 ng  
RT: 10.51 min Scan# 1432  
Delta R.T. 0.01 min  
Lab File: BF111111.D  
Acq: 5 Dec 2018 16:13

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDIC080

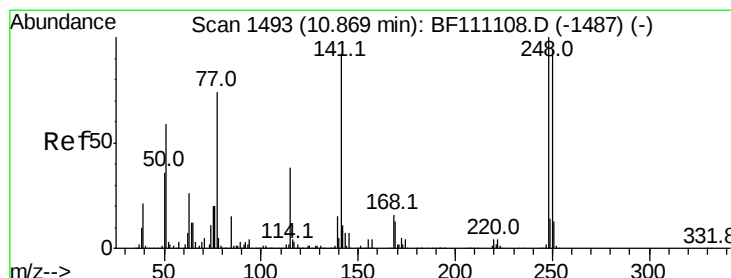
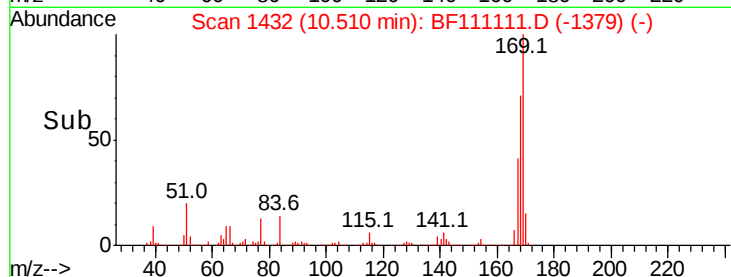
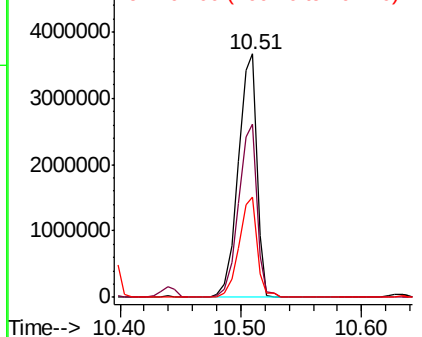
Tot Ion:169 Resp: 3927638  
Ion Ratio Lower Upper  
169 100  
168 71.2 51.2 76.8  
167 41.4 27.8 41.6

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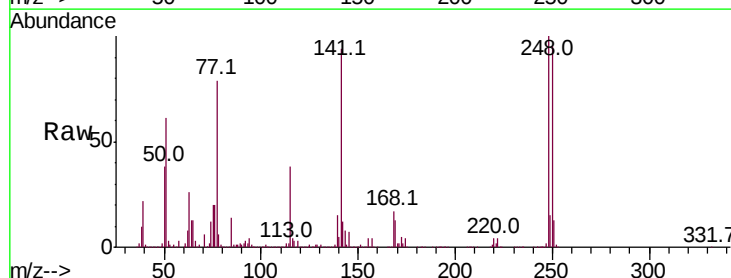


Abundance Ion 169.00 (168.70 to 169.70): E  
5000000 Ion 168.00 (167.70 to 168.70): E  
Ion 167.00 (166.70 to 167.70): E

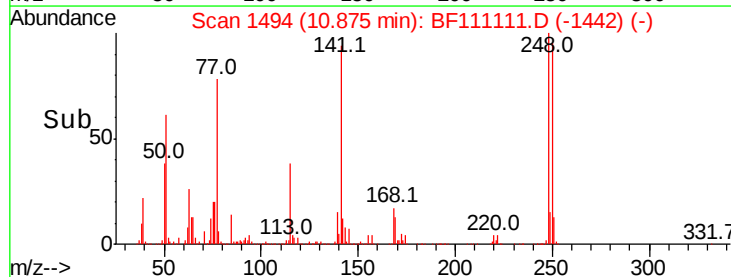
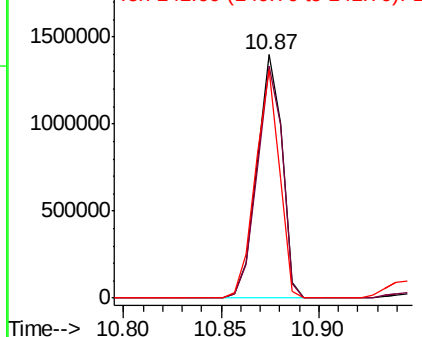


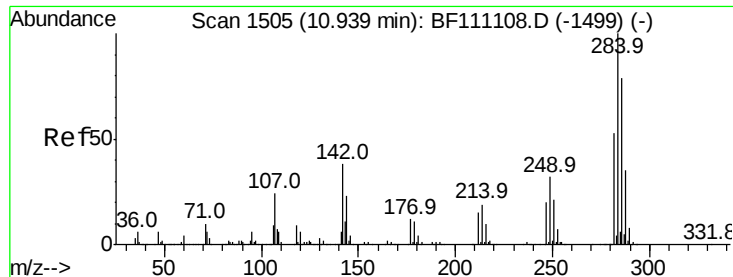
#67  
4-Bromophenyl-phenylether  
Concen: 69.523 ng  
RT: 10.87 min Scan# 1494  
Delta R.T. 0.01 min  
Lab File: BF111111.D  
Acq: 5 Dec 2018 16:13

Tgt Ion:248 Resp: 1243229  
Ion Ratio Lower Upper  
248 100  
250 95.1 79.4 119.2  
141 94.0 55.9 83.9#



Abundance Ion 248.00 (247.70 to 248.70): E  
1500000 Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E





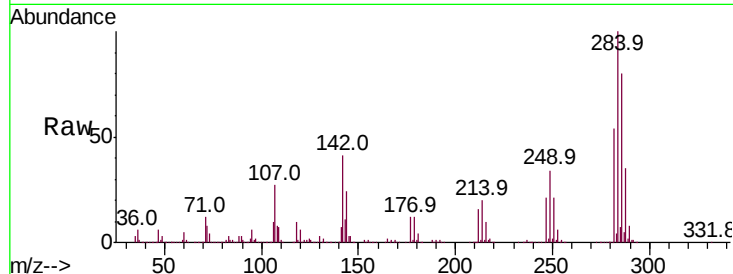
#68  
Hexachlorobenzene  
Concen: 66.896 ng  
RT: 10.95 min Scan# 1506  
Delta R.T. 0.01 min  
Lab File: BF111111.D  
Acq: 5 Dec 2018 16:13

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDIC080

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 41.0  | 23.9  | 35.9# |
| 249     | 33.9  | 24.2  | 36.2  |

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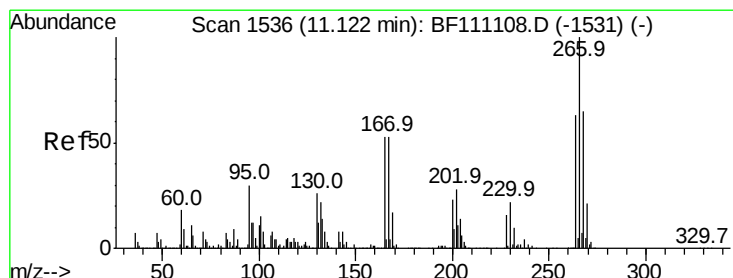
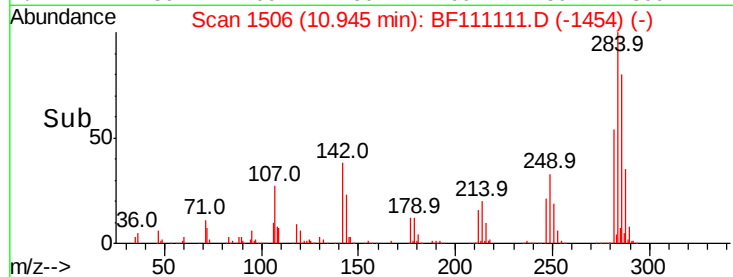
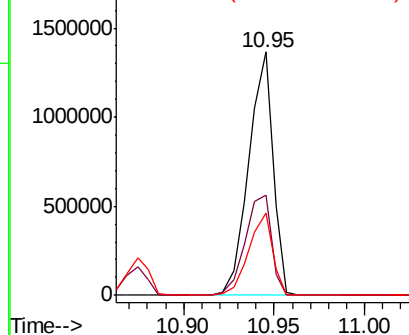


Abundance

Ion 283.80 (283.50 to 284.50): E

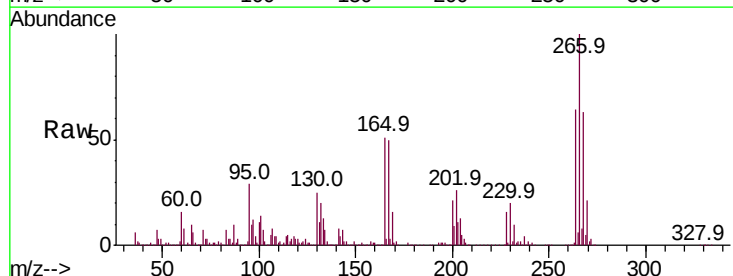
Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#70  
Pentachlorophenol  
Concen: 109.934 ng  
RT: 11.13 min Scan# 1537  
Delta R.T. 0.01 min  
Lab File: BF111111.D  
Acq: 5 Dec 2018 16:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 62.9  | 50.6  | 75.8  |
| 264     | 63.9  | 50.6  | 75.8  |

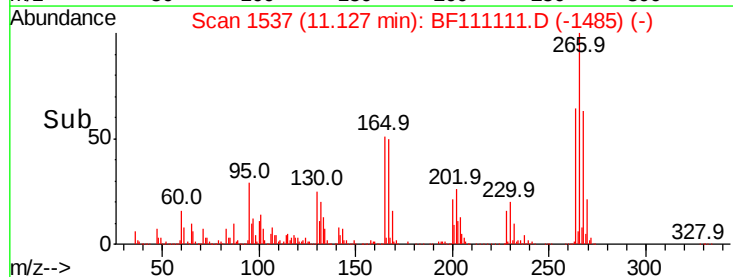
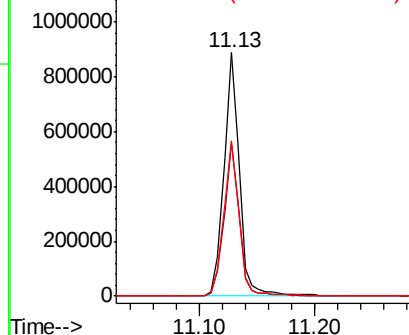


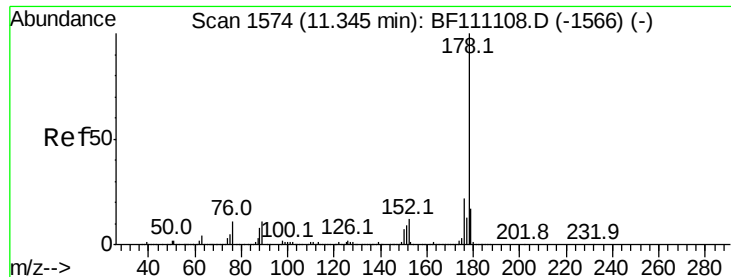
Abundance

Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 60.648 ng

RT: 11.35 min Scan# 1575

Delta R.T. 0.01 min

Lab File: BF111111.D

Acq: 5 Dec 2018 16:13

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080

Tot Ion:178 Resp: 5274163

Ion Ratio Lower Upper

178 100

176 26.0 15.5 23.3#

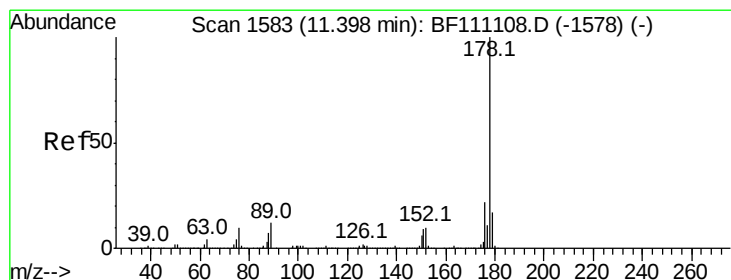
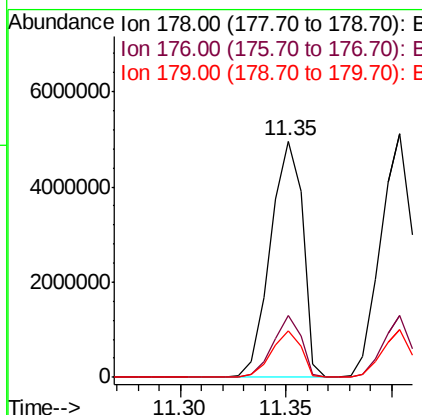
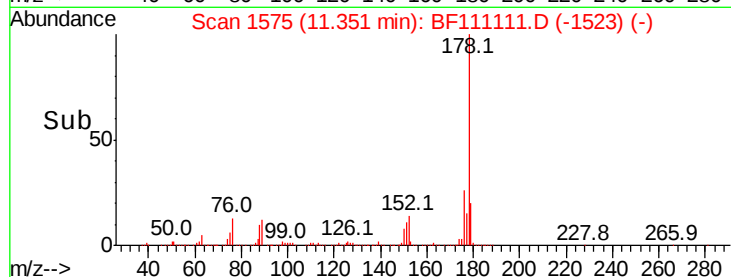
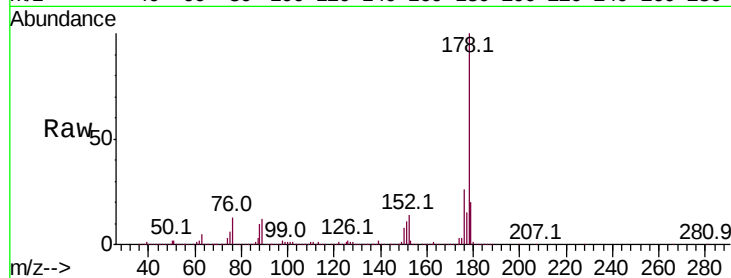
179 19.8 12.5 18.7#

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#72

Anthracene

Concen: 59.317 ng

RT: 11.40 min Scan# 1584

Delta R.T. 0.01 min

Lab File: BF111111.D

Acq: 5 Dec 2018 16:13

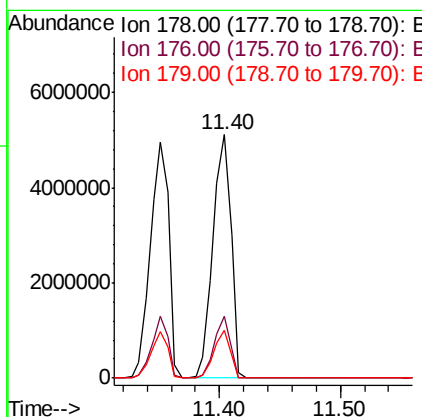
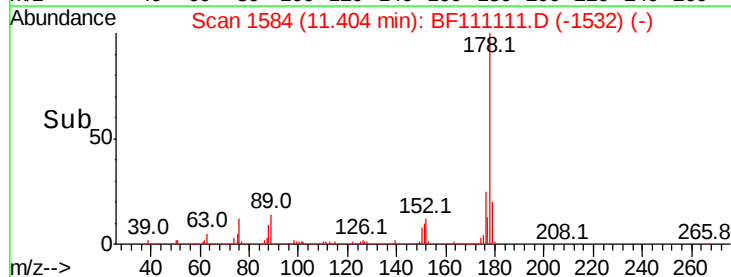
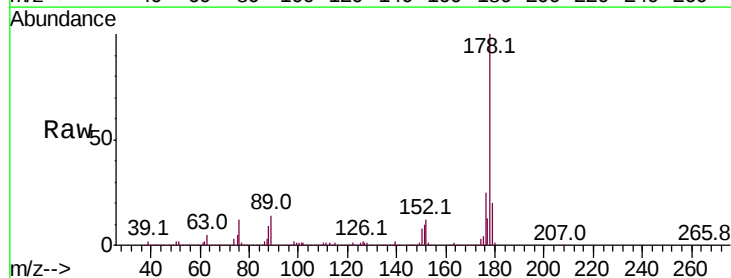
Tgt Ion:178 Resp: 5253276

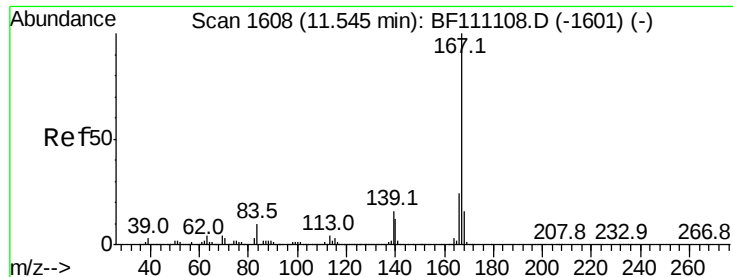
Ion Ratio Lower Upper

178 100

176 25.2 15.4 23.2#

179 19.8 12.6 18.8#





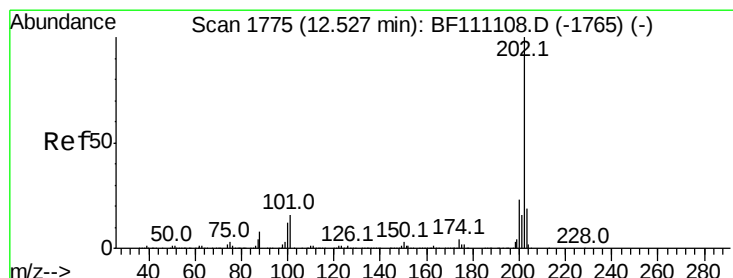
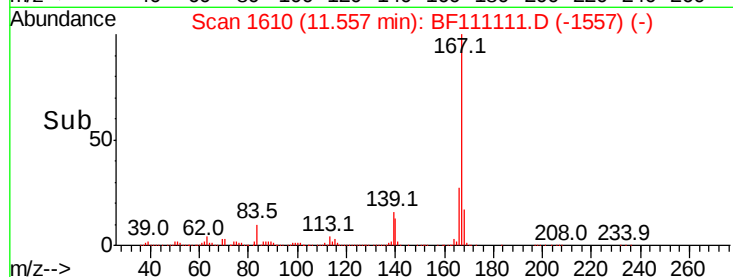
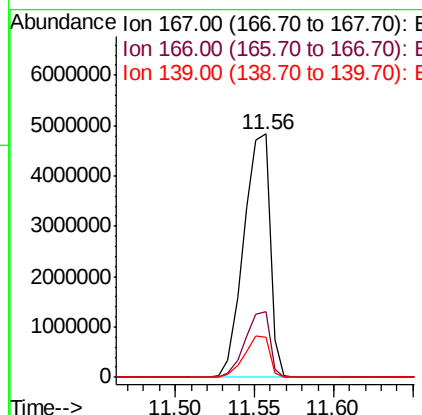
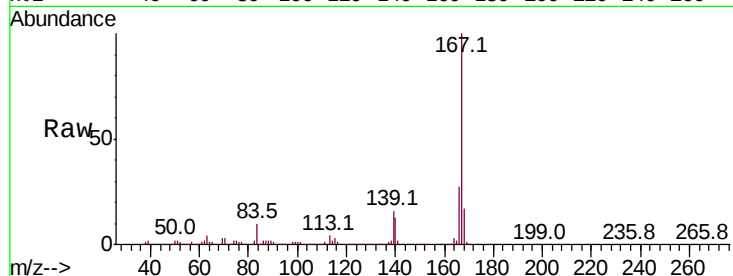
#73  
 Carbazole  
 Concen: 64.489 ng  
 RT: 11.56 min Scan# 1610  
 Delta R.T. 0.01 min  
 Lab File: BF111111.D  
 Acq: 5 Dec 2018 16:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC080

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 27.1  | 17.4  | 26.0# |
| 139     | 16.5  | 10.9  | 16.3# |

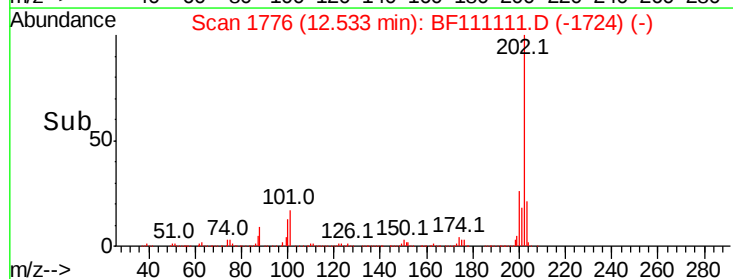
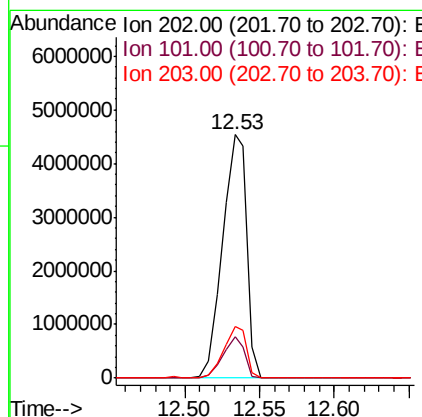
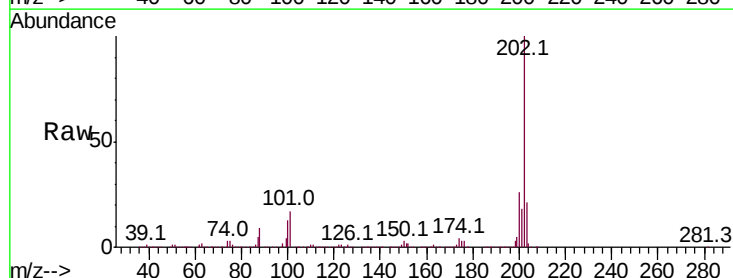
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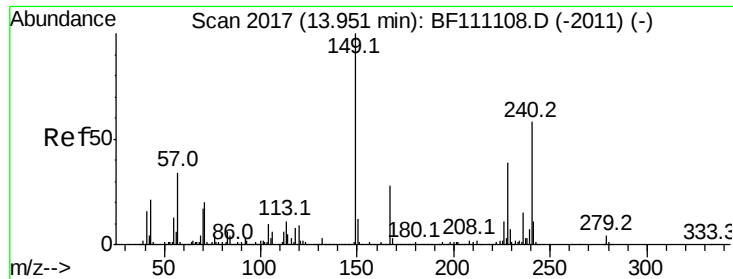
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#75  
 Fluoranthene  
 Concen: 57.896 ng  
 RT: 12.53 min Scan# 1776  
 Delta R.T. 0.01 min  
 Lab File: BF111111.D  
 Acq: 5 Dec 2018 16:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 17.1  | 0.0   | 31.4  |
| 203     | 21.2  | 0.0   | 37.7  |





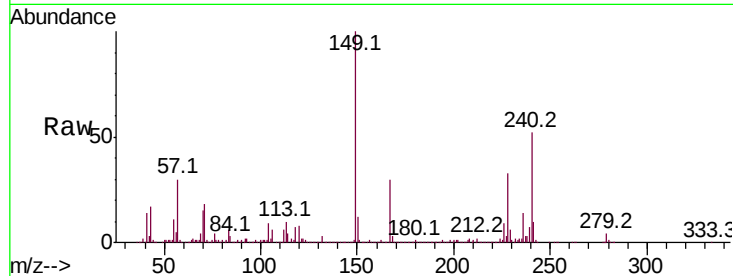
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.96 min Scan# 2018  
Delta R.T. 0.01 min  
Lab File: BF111111.D  
Acq: 5 Dec 2018 16:13

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDIC080

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 15.3  | 8.3   | 12.5# |
| 236     | 26.2  | 21.2  | 31.8  |

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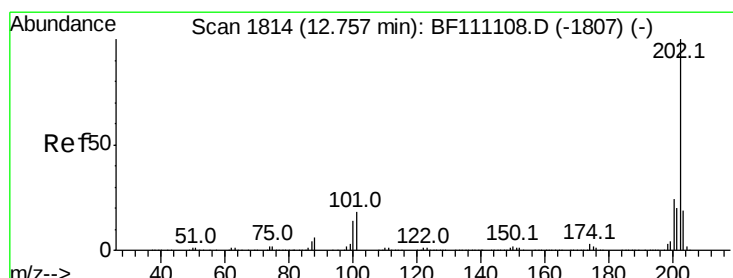
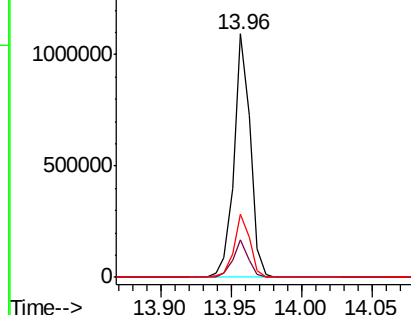
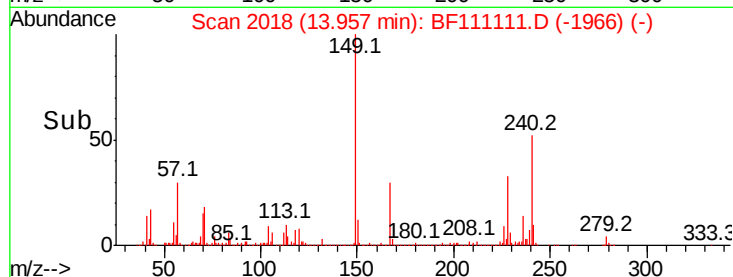


Abundance

Ion 240.00 (239.70 to 240.70): E

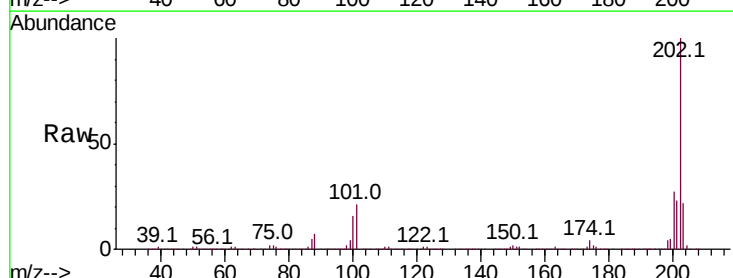
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78  
Pyrene  
Concen: 82.100 ng m  
RT: 12.76 min Scan# 1815  
Delta R.T. 0.01 min  
Lab File: BF111111.D  
Acq: 5 Dec 2018 16:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 27.1  | 17.8  | 26.6# |
| 203     | 21.7  | 14.2  | 21.4# |

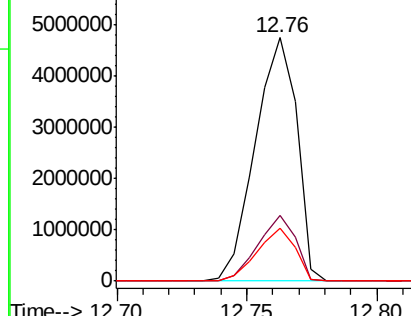
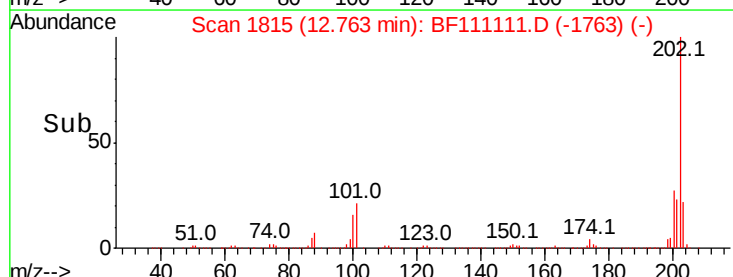


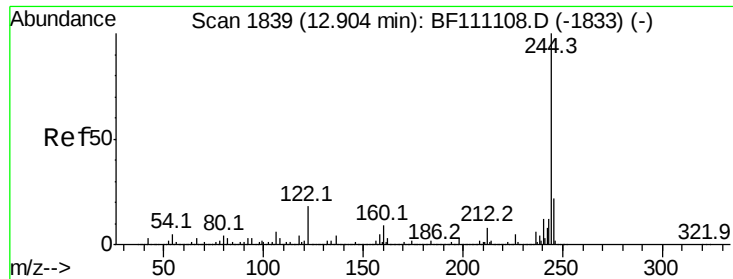
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





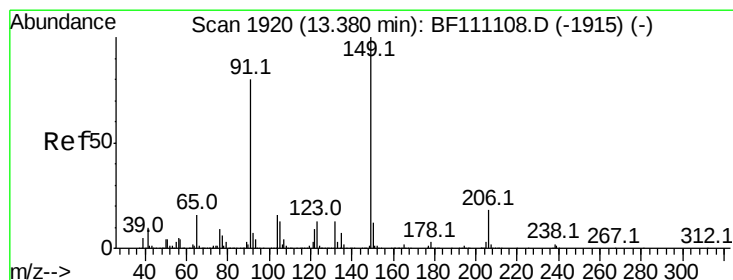
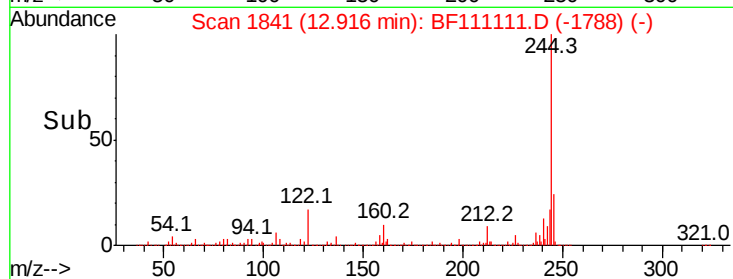
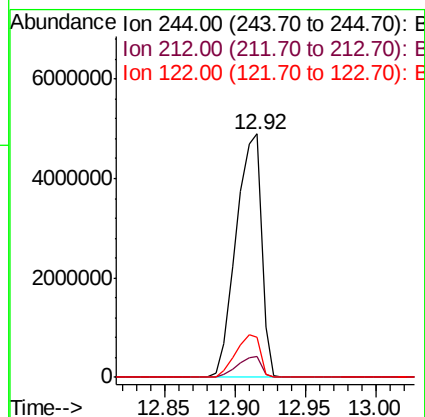
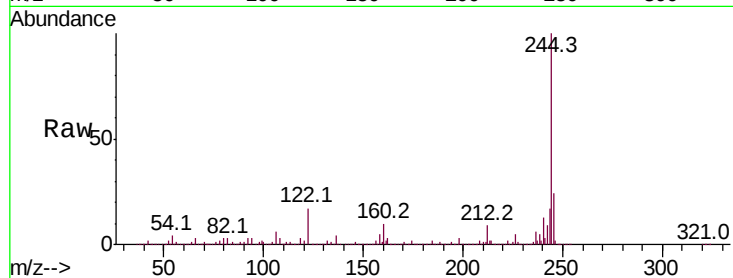
#79  
 Terphenyl-d14  
 Concen: 136.588 ng  
 RT: 12.92 min Scan# 1841  
 Delta R.T. 0.01 min  
 Lab File: BF111111.D  
 Acq: 5 Dec 2018 16:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC080

Tot Ion:244 Resp: 6151658  
 Ion Ratio Lower Upper  
 244 100  
 212 8.8 5.8 8.8#  
 122 16.7 8.7 13.1#

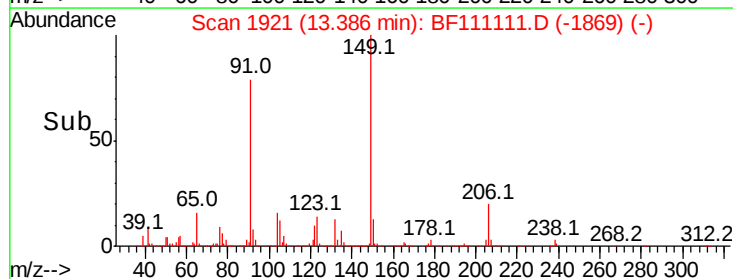
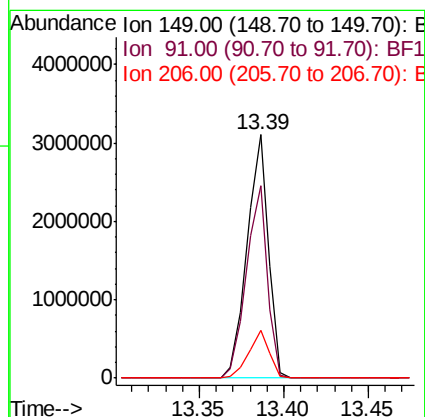
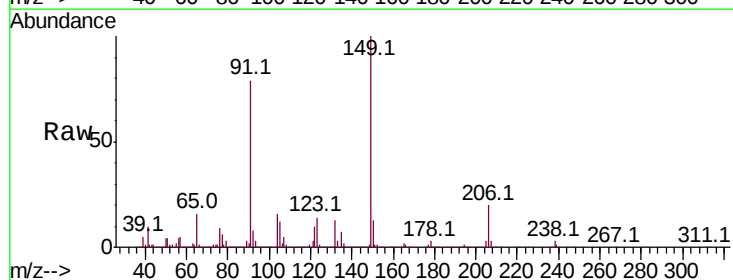
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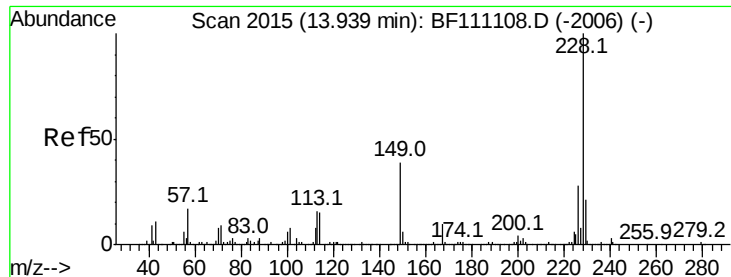
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#80  
 Butylbenzylphthalate  
 Concen: 94.780 ng  
 RT: 13.39 min Scan# 1921  
 Delta R.T. 0.01 min  
 Lab File: BF111111.D  
 Acq: 5 Dec 2018 16:13

Tgt Ion:149 Resp: 2740108  
 Ion Ratio Lower Upper  
 149 100  
 91 79.0 57.2 85.8  
 206 19.7 15.7 23.5





#81

Benzo(a)anthracene

Concen: 72.707 ng

RT: 13.94 min Scan# 2016

Delta R.T. 0.01 min

Lab File: BF111111.D

Acq: 5 Dec 2018 16:13

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080

Tot Ion:228 Resp: 3763400

Ion Ratio Lower Upper

228 100

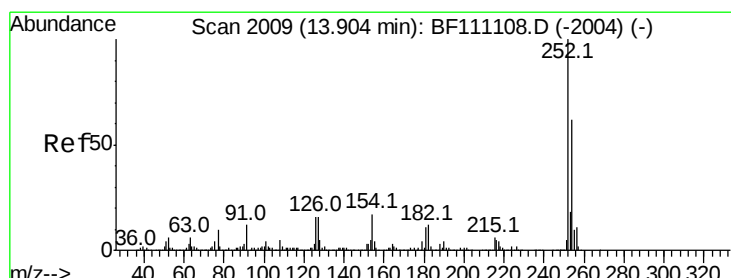
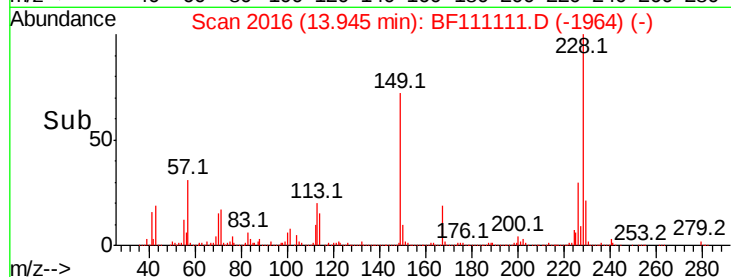
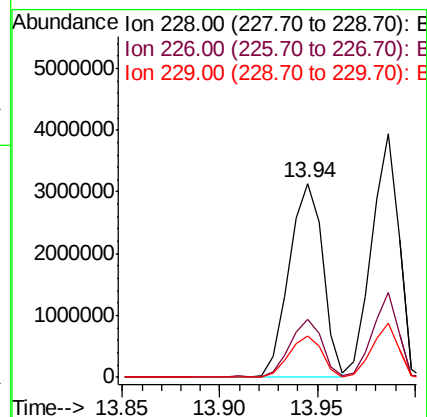
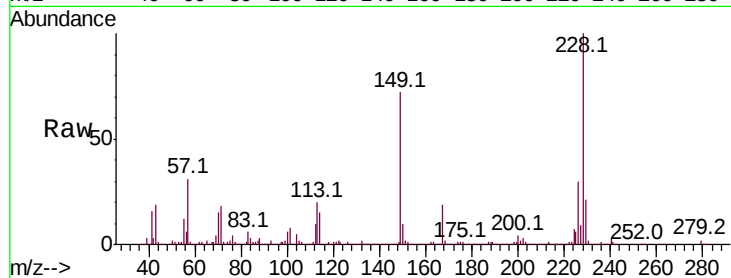
226 30.0 22.1 33.1

229 21.4 15.6 23.4

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#82

3,3'-Dichlorobenzidine

Concen: 74.412 ng

RT: 13.91 min Scan# 2010

Delta R.T. 0.01 min

Lab File: BF111111.D

Acq: 5 Dec 2018 16:13

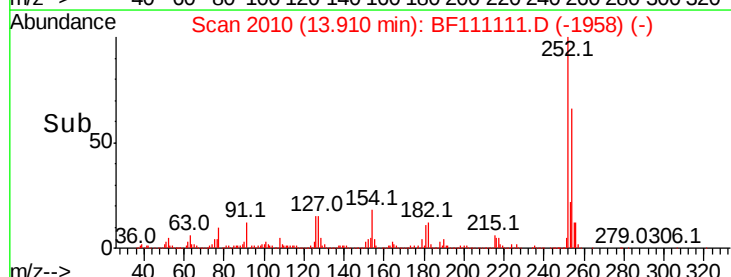
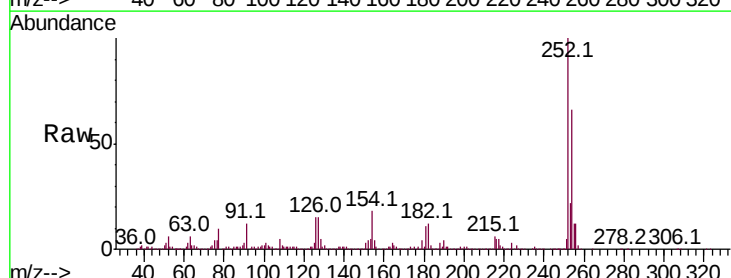
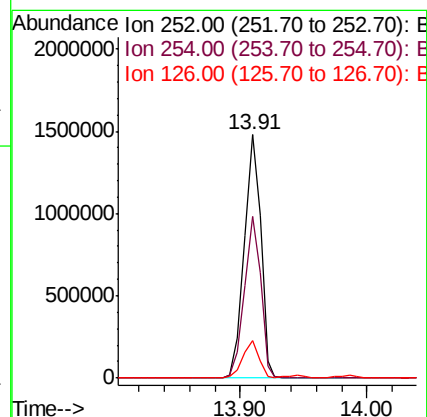
Tgt Ion:252 Resp: 1320690

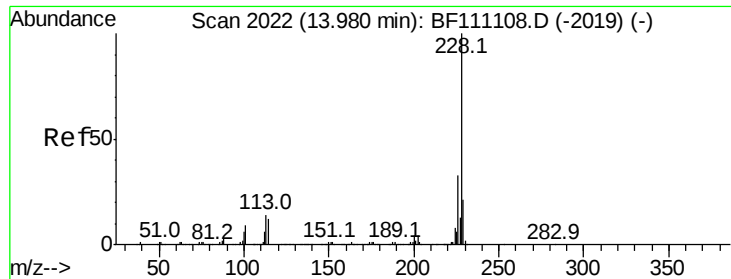
Ion Ratio Lower Upper

252 100

254 66.2 51.3 76.9

126 15.3 9.4 14.2#





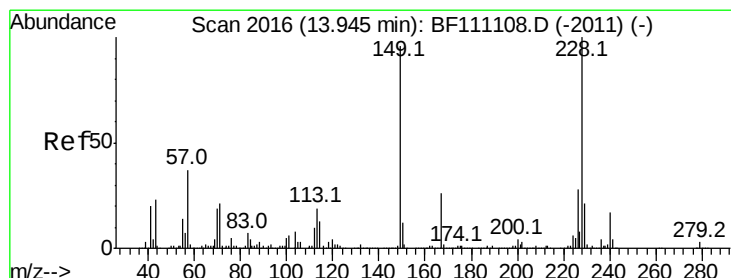
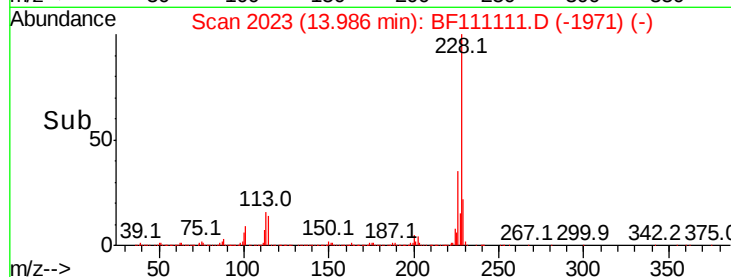
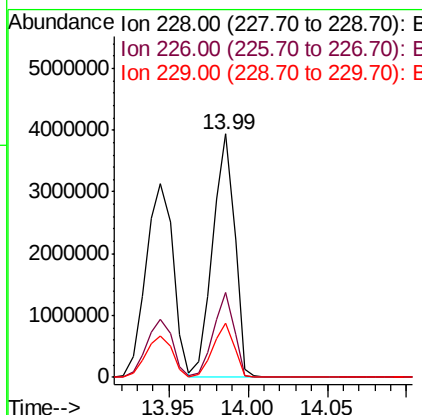
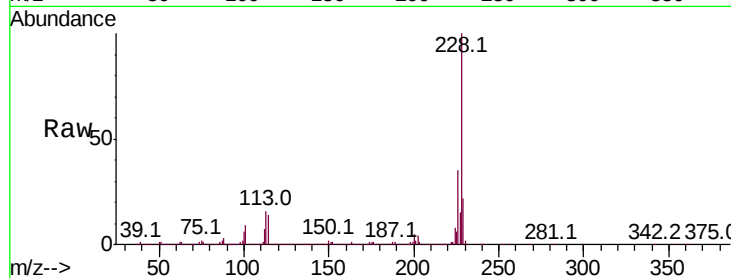
#83  
 Chrvsene  
 Concen: 74.477 ng  
 RT: 13.99 min Scan# 2023  
 Delta R.T. 0.01 min  
 Lab File: BF111111.D  
 Acq: 5 Dec 2018 16:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC080

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 34.8  | 24.7  | 37.1  |
| 229     | 22.4  | 15.9  | 23.9  |

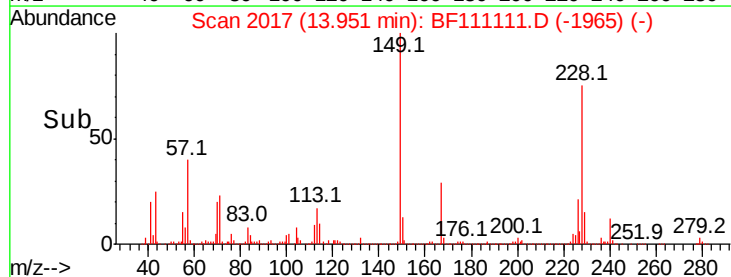
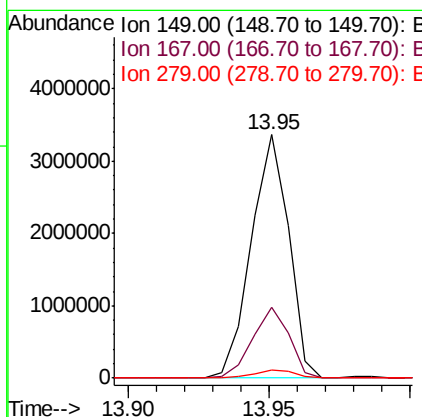
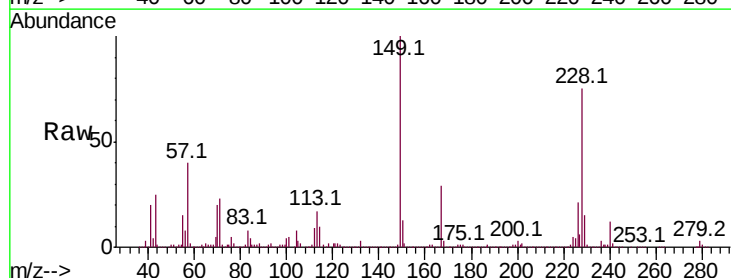
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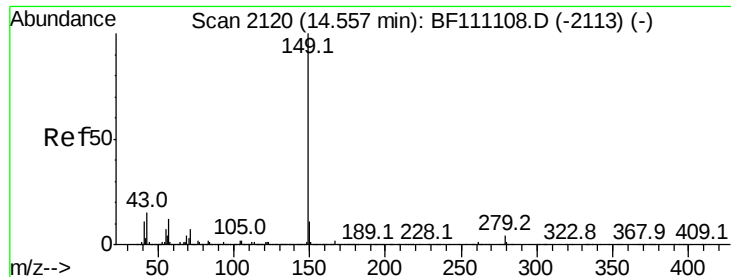
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#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 80.389 ng  
 RT: 13.95 min Scan# 2017  
 Delta R.T. 0.01 min  
 Lab File: BF111111.D  
 Acq: 5 Dec 2018 16:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 29.2  | 19.8  | 29.8  |
| 279     | 3.5   | 2.7   | 4.1   |





#85

Di-n-octyl phthalate

Concen: 78.358 ng

RT: 14.56 min Scan# 2121

Delta R.T. 0.01 min

Lab File: BF111111.D

Acq: 5 Dec 2018 16:13

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080

Tot Ion:149 Resp: 4764790

Ion Ratio Lower Upper

149 100

167 1.8 1.1 1.7#

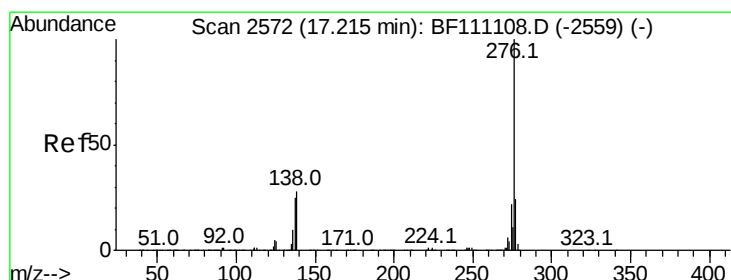
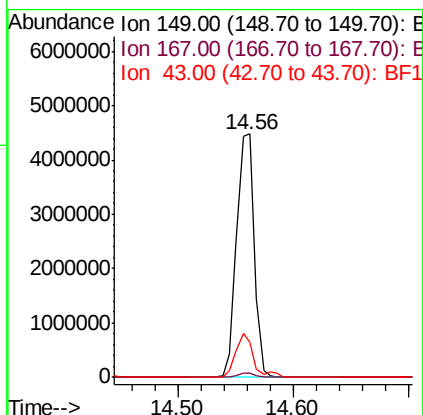
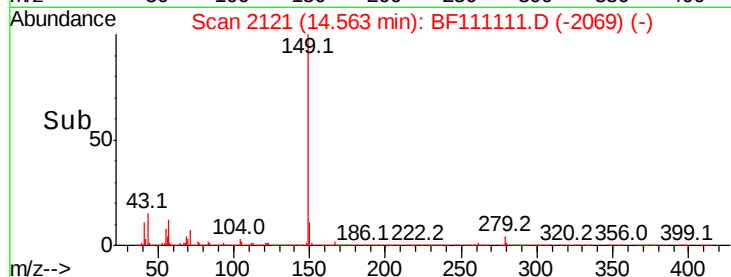
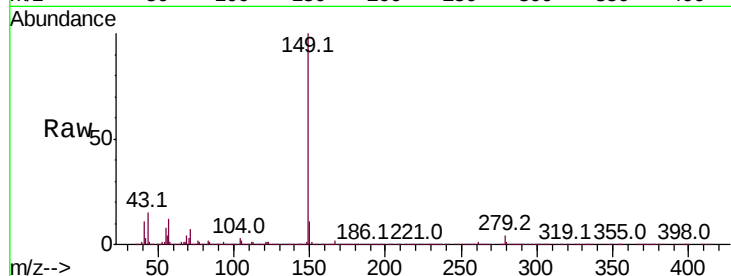
43 18.4 7.8 11.8#

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#86

Indeno(1,2,3-cd)pyrene

Concen: 100.238 ng m

RT: 16.80 min Scan# 2502

Delta R.T. -0.41 min

Lab File: BF111111.D

Acq: 5 Dec 2018 16:13

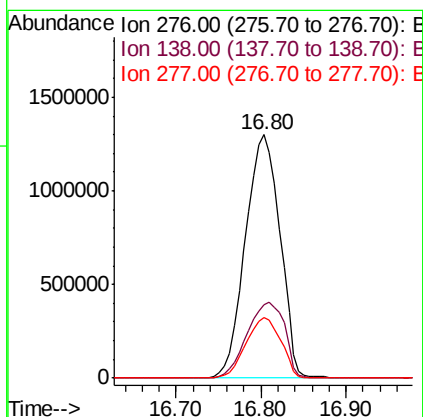
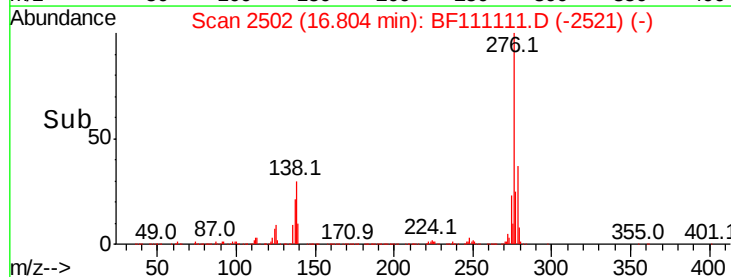
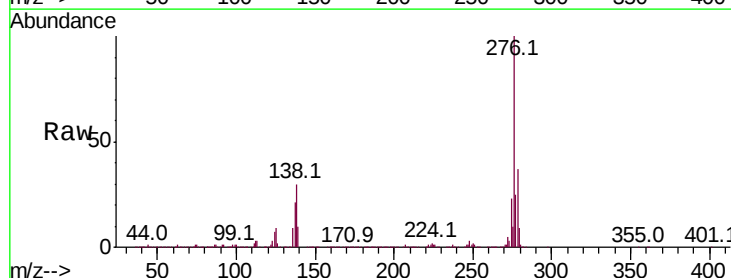
Tgt Ion:276 Resp: 3666208

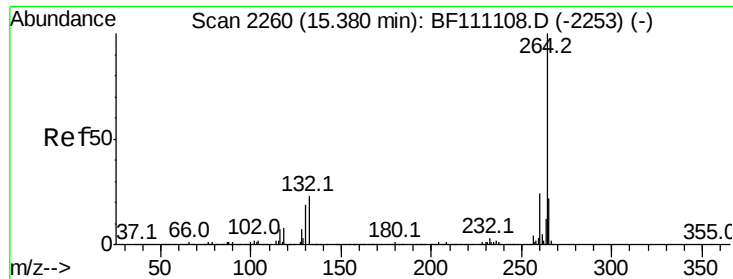
Ion Ratio Lower Upper

276 100

138 25.0 18.5 27.7

277 20.4 20.0 30.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.39 min Scan# 2261

Delta R.T. 0.01 min

Lab File: BF111111.D

Acq: 5 Dec 2018 16:13

Instrument :

BNA\_F

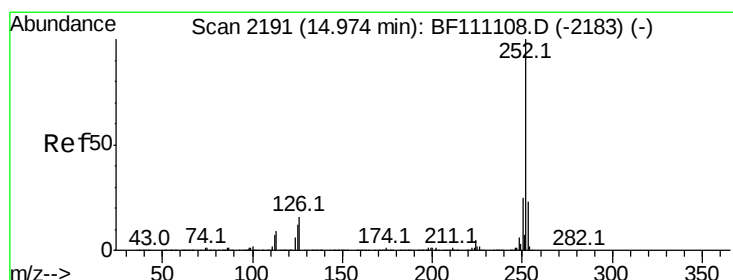
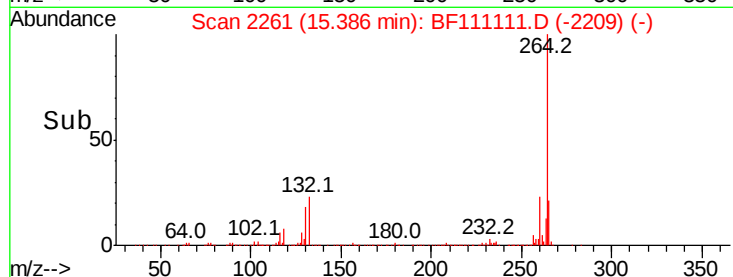
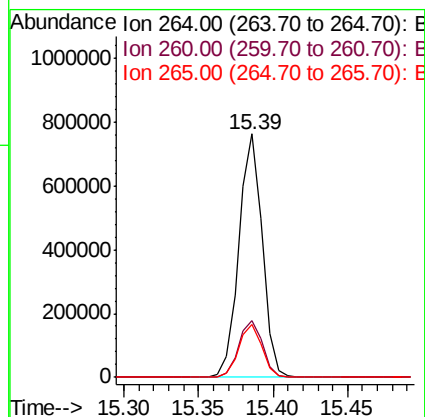
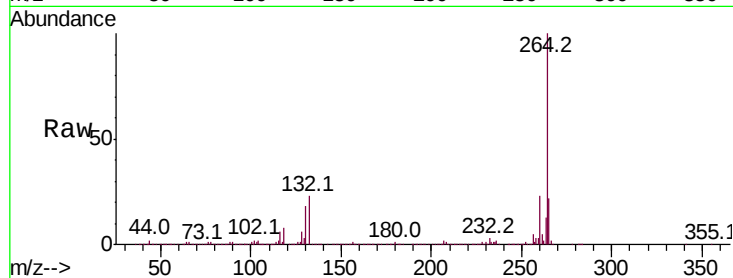
ClientSampleId :

SSTDICC080

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 264   | Resp: | 836391 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 23.4  | 18.7  | 28.1   |
| 265       | 21.5  | 16.7  | 25.1   |

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#88

Benzo(b)fluoranthene

Concen: 71.759 ng

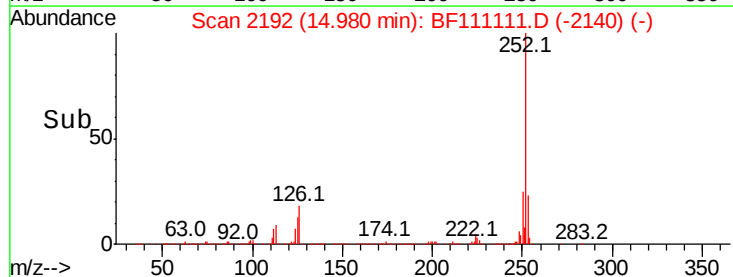
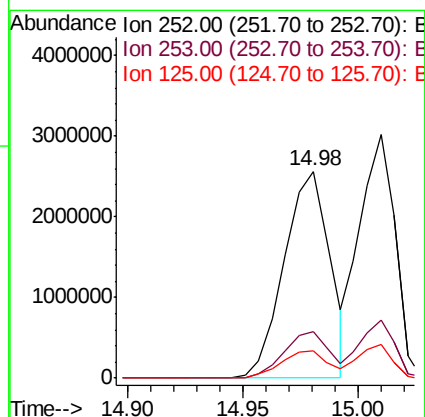
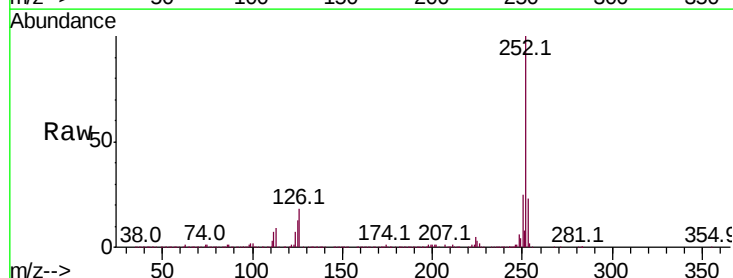
RT: 14.98 min Scan# 2192

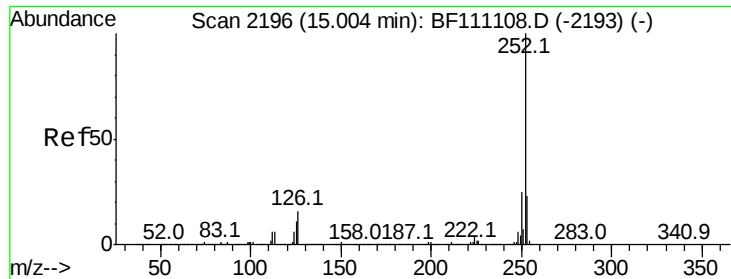
Delta R.T. 0.01 min

Lab File: BF111111.D

Acq: 5 Dec 2018 16:13

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 252   | Resp: | 3525843 |
| Ion Ratio | Lower | Upper |         |
| 252       | 100   |       |         |
| 253       | 22.7  | 17.2  | 25.8    |
| 125       | 13.1  | 8.2   | 12.4#   |





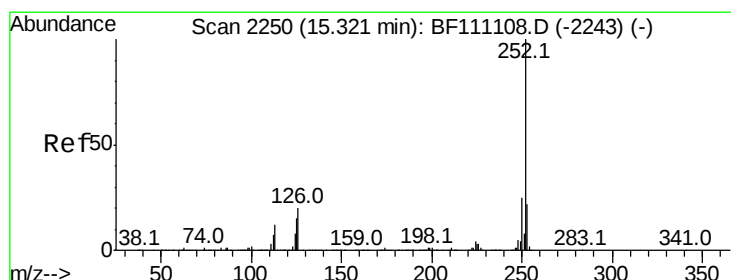
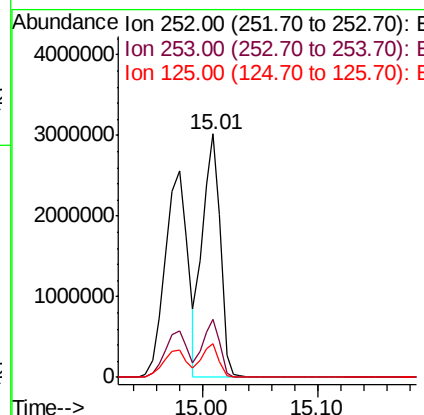
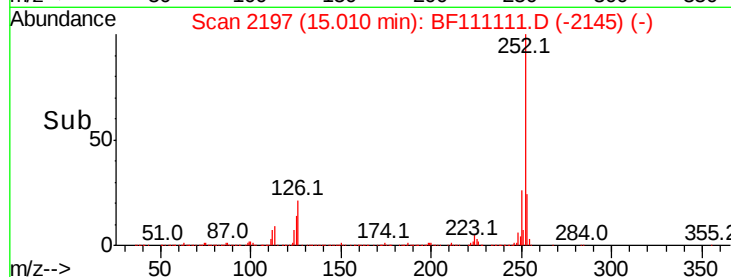
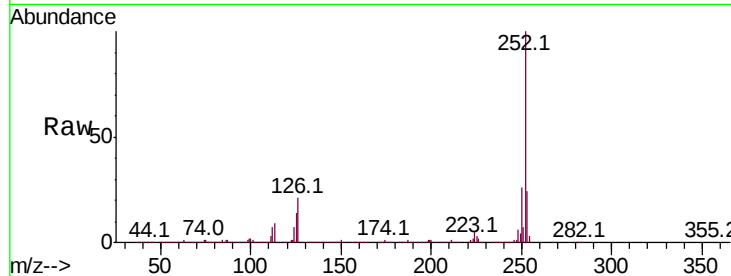
#89  
Benzo(k)fluoranthene  
Concen: 64.578 ng  
RT: 15.01 min Scan# 2197  
Delta R.T. 0.01 min  
Lab File: BF111111.D  
Acq: 5 Dec 2018 16:13

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080

Tot Ion:252 Resp: 3265970  
Ion Ratio Lower Upper  
252 100  
253 24.0 17.2 25.8  
125 14.0 7.4 11.0#

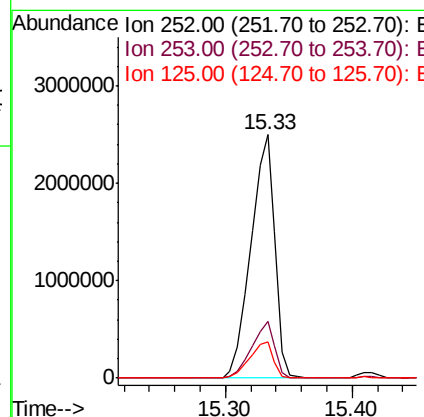
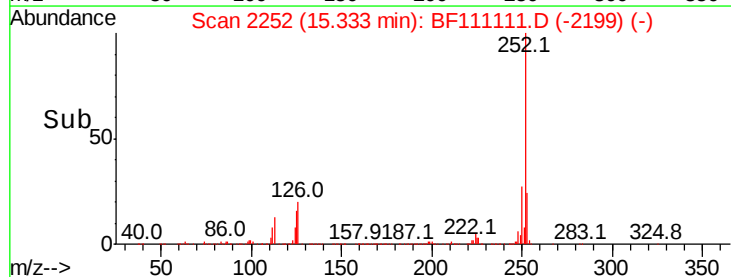
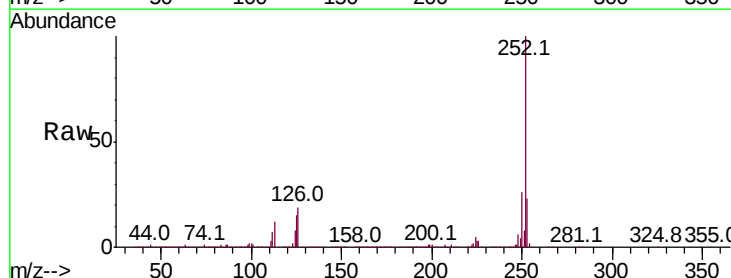
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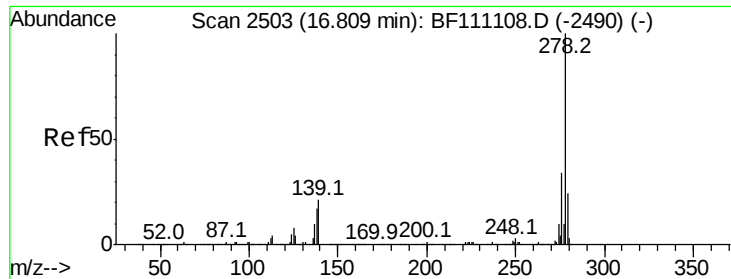
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#90  
Benzo(a)pyrene  
Concen: 71.751 ng  
RT: 15.33 min Scan# 2252  
Delta R.T. 0.01 min  
Lab File: BF111111.D  
Acq: 5 Dec 2018 16:13

Tgt Ion:252 Resp: 3281597  
Ion Ratio Lower Upper  
252 100  
253 23.2 18.2 27.4  
125 14.9 9.0 13.6#





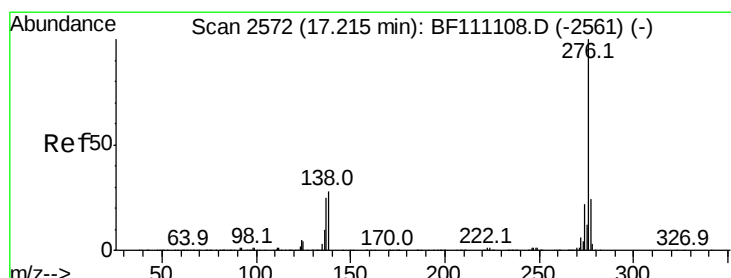
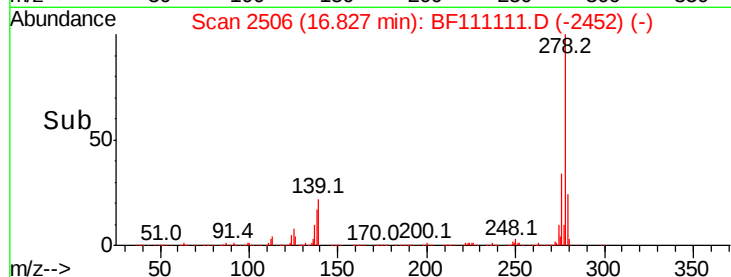
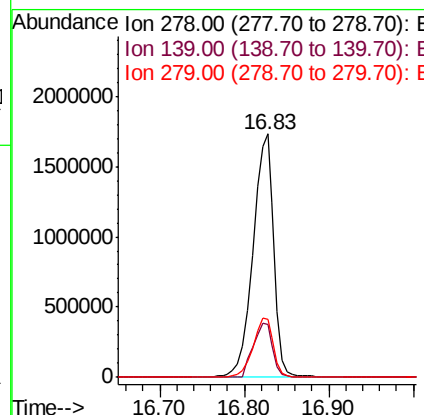
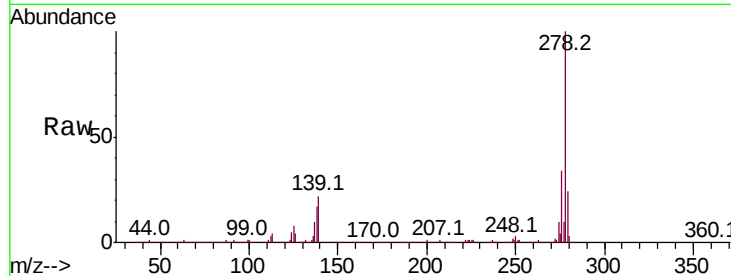
#91  
Dibenzo(a,h)anthracene  
Concen: 79.228 ng  
RT: 16.83 min Scan# 2506  
Delta R.T. 0.02 min  
Lab File: BF111111.D  
Acq: 5 Dec 2018 16:13

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDIC080

Tot Ion:278 Resp: 2989728  
Ion Ratio Lower Upper  
278 100  
139 21.9 12.7 19.1#  
279 23.8 19.0 28.4

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#92  
Benzo(g,h,i)perylene  
Concen: 85.867 ng  
RT: 17.23 min Scan# 2575  
Delta R.T. 0.02 min  
Lab File: BF111111.D  
Acq: 5 Dec 2018 16:13

Tgt Ion:276 Resp: 3124266  
Ion Ratio Lower Upper  
276 100  
277 23.9 18.8 28.2  
138 28.7 16.0 24.0#

