

Data File : BM010339.D  
Acq On : 31 May 2017 19:32  
Operator : SJ/MA  
Sample : I3369-06  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0AB3

Quant Time: Jun 01 01:28:46 2017  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM052717.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Jun 01 01:28:02 2017  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.93  | 152  | 451772   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.73 | 136  | 1465004  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.56 | 164  | 854162   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.30 | 188  | 1959156  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.47 | 240  | 2659600  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.82 | 264  | 2881701  | 20.00 | ng/ul | 0.00     |

System Monitoring Compounds

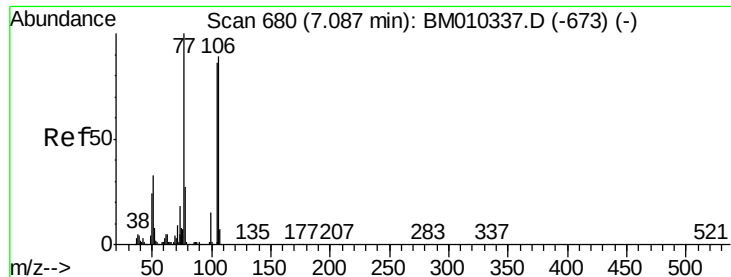
|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.39  | 96  | 17393   | 1.58  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.16  | 99  | 451973  | 13.20 | ng/ul | 0.05 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.29  | 67  | 319746  | 16.62 | ng/ul | 0.03 |
| 9) 2-Chlorophenol-d4           | 7.50  | 132 | 331977  | 12.17 | ng/ul | 0.04 |
| 13) 4-Methylphenol-d8          | 8.65  | 113 | 305854  | 11.07 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.11  | 128 | 151511  | 14.12 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.82  | 143 | 174908  | 14.07 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.36 | 165 | 322100  | 12.61 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.89 | 131 | 151014  | 6.13  | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.97 | 166 | 974880  | 13.74 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.26 | 160 | 1123319 | 13.57 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.81 | 143 | 111485  | 10.50 | ng/ul | 0.01 |
| 57) Fluorene-d10               | 15.54 | 176 | 819322  | 13.13 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.67 | 200 | 144500  | 10.41 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.40 | 188 | 1312275 | 13.77 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.69 | 212 | 1654353 | 15.04 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.67 | 264 | 1820539 | 13.57 | ng/ul | 0.01 |

Target Compounds

|                                |       |     |         |        |        | Qvalue |
|--------------------------------|-------|-----|---------|--------|--------|--------|
| 4) Benzaldehyde                | 7.06  | 77  | 3183334 | 138.28 | ng/ul# | 1      |
| 6) Phenol                      | 7.20  | 94  | 2899610 | 82.62  | ng/ul  | 94     |
| 14) Acetophenone               | 8.85  | 105 | 476272  | 10.57  | ng/ul  | 93     |
| 15) N-Nitroso-di-n-propylamine | 8.73  | 70  | 71406   | 3.17   | ng/ul# | 56     |
| 17) Hexachloroethane           | 9.00  | 117 | 455541  | 36.63  | ng/ul# | 1      |
| 28) Naphthalene                | 10.78 | 128 | 349790  | 4.76   | ng/ul  | 99     |
| 44) Dimethylphthalate          | 14.02 | 163 | 164353  | 2.35   | ng/ul  | 96     |
| 60) 4-Nitroaniline             | 15.77 | 138 | 126966  | 9.84   | ng/ul# | 1      |
| 78) Butylbenzylphthalate       | 20.59 | 149 | 3597979 | 75.96  | ng/ul  | 95     |

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





#4

Benzaldehyde

Concen: 138.28 ng/ul

RT: 7.06 min Scan# 675

Delta R.T. -0.03 min

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Instrument :

BNA\_M

ClientSampled :

C0AB3

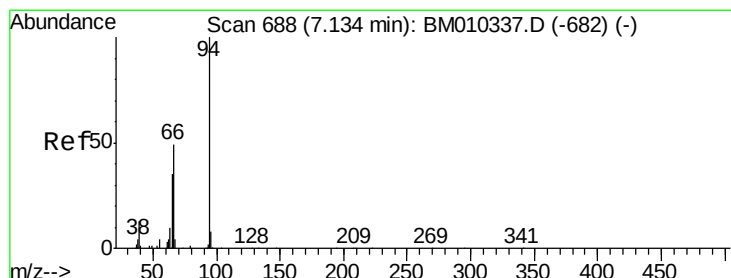
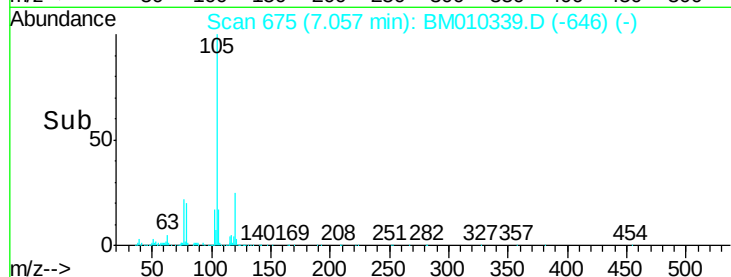
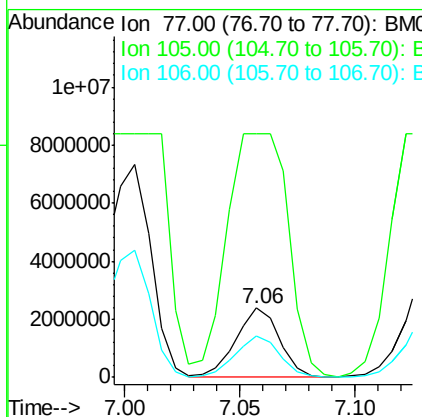
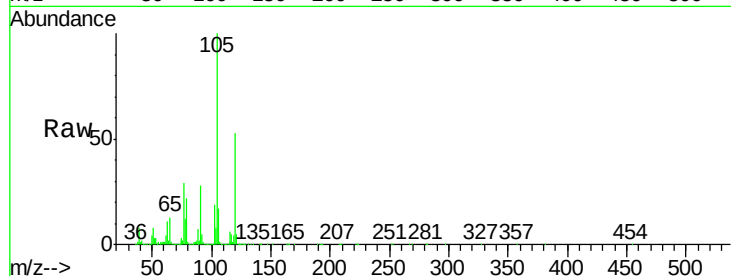
Tgt Ion: 77 Resp: 3183334

Ion Ratio Lower Upper

77 100

105 350.5 66.1 99.1#

106 59.0 67.8 101.6#



#6

Phenol

Concen: 82.62 ng/ul

RT: 7.20 min Scan# 699

Delta R.T. 0.06 min

Lab File: BM010339.D

Acq: 31 May 2017 19:32

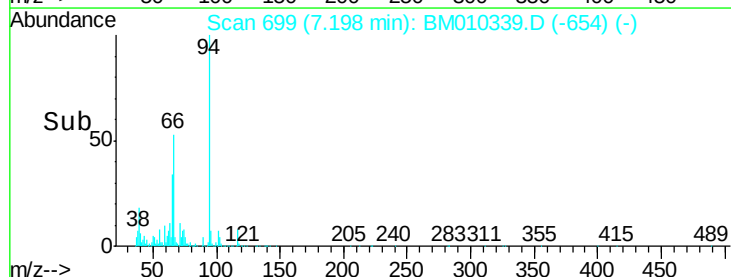
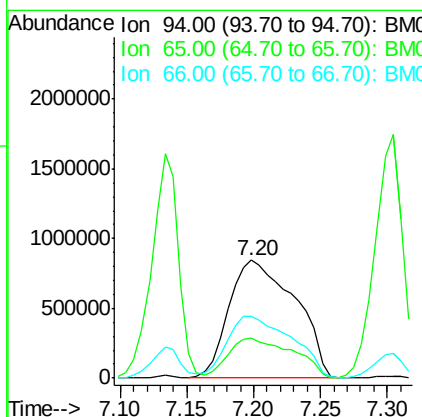
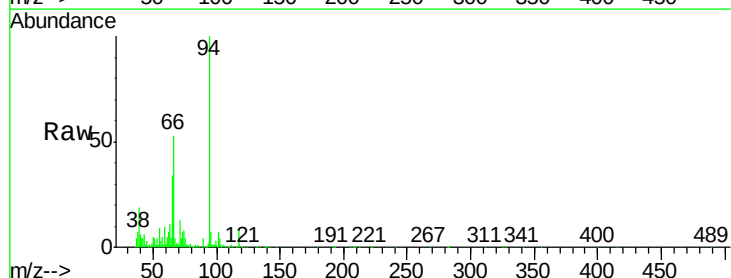
Tgt Ion: 94 Resp: 2899610

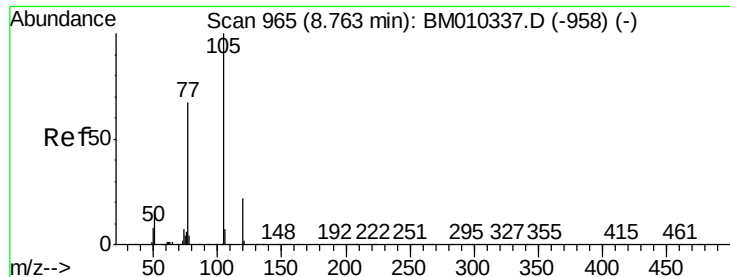
Ion Ratio Lower Upper

94 100

65 33.7 28.2 42.4

66 52.7 47.2 70.8

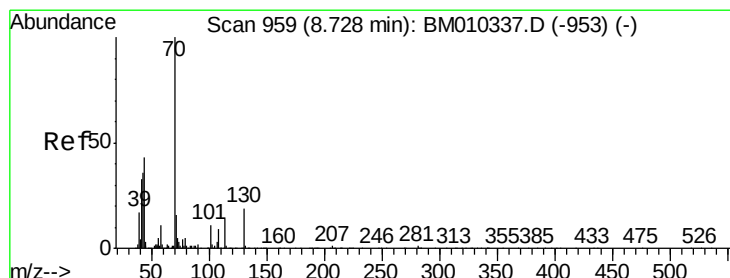
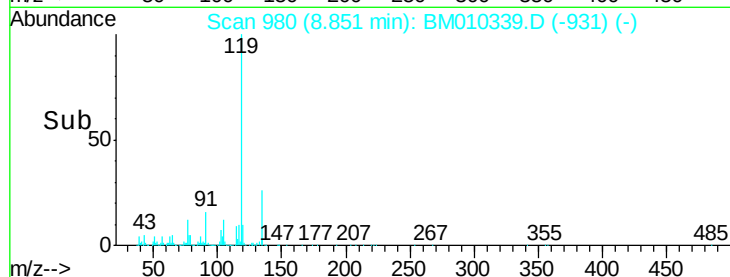
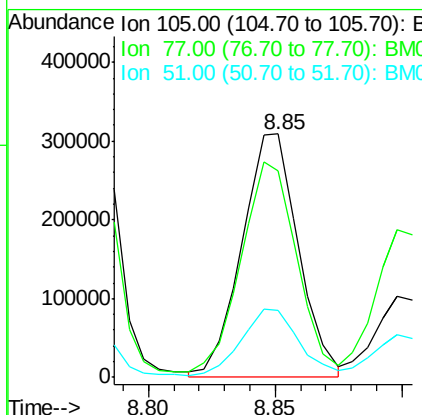
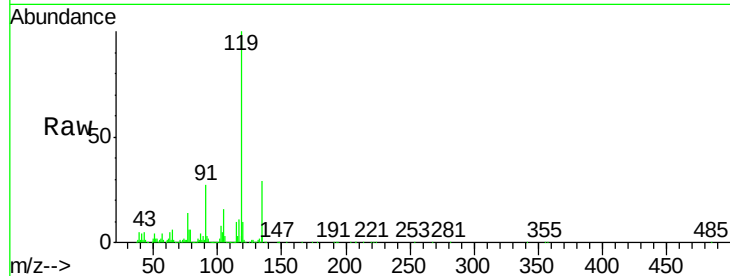




#14  
Acetophenone  
Concen: 10.57 ng/ul  
RT: 8.85 min Scan# 980  
Delta R.T. 0.09 min  
Lab File: BM010339.D  
Acq: 31 May 2017 19:32

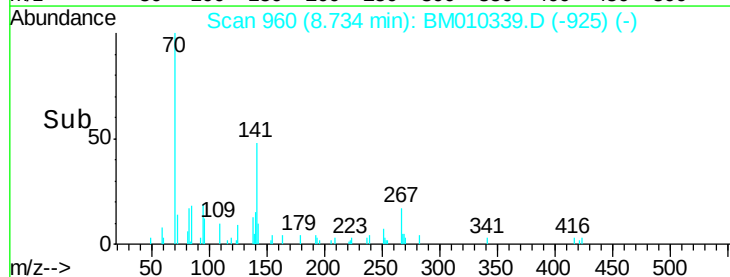
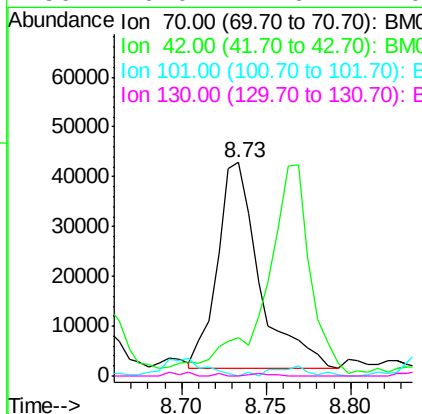
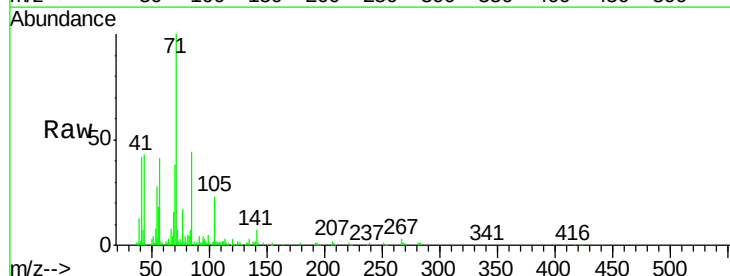
Instrument :  
BNA\_M  
ClientSampleId :  
C0AB3

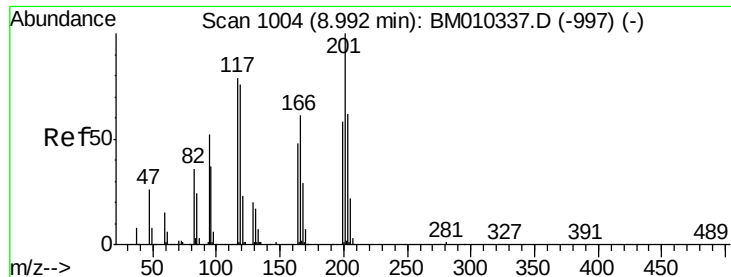
Tgt Ion:105 Resp: 476272  
Ion Ratio Lower Upper  
105 100  
77 85.0 74.2 111.4  
51 27.4 23.4 35.2



#15  
N-Nitroso-di-n-propylamine  
Concen: 3.17 ng/ul  
RT: 8.73 min Scan# 960  
Delta R.T. 0.01 min  
Lab File: BM010339.D  
Acq: 31 May 2017 19:32

Tgt Ion: 70 Resp: 71406  
Ion Ratio Lower Upper  
70 100  
42 17.9 41.1 61.7#  
101 0.0 6.7 10.1#  
130 0.0 14.6 22.0#





#17

Hexachloroethane

Concen: 36.63 ng/ul

RT: 9.00 min Scan# 1006

Delta R.T. 0.01 min

Lab File: BM010339.D

Acq: 31 May 2017 19:32

Instrument :

BNA\_M

ClientSampleId :

C0AB3

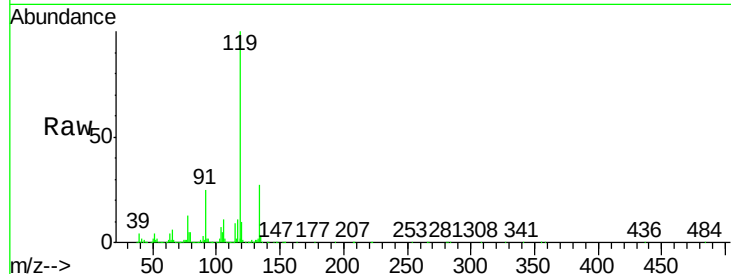
Tgt Ion:117 Resp: 455541

Ion Ratio Lower Upper

117 100

201 0.0 111.6 167.4#

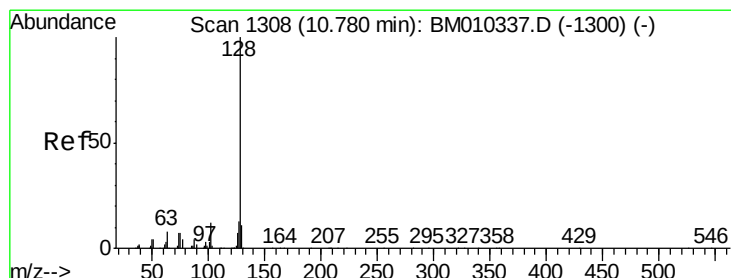
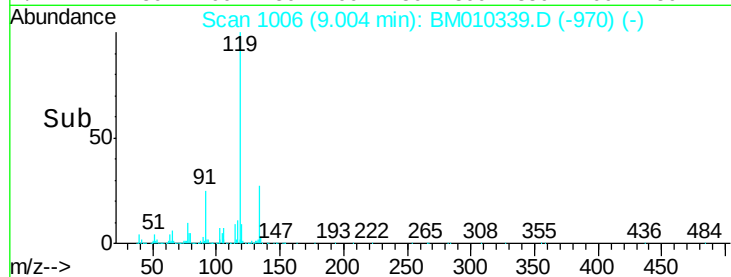
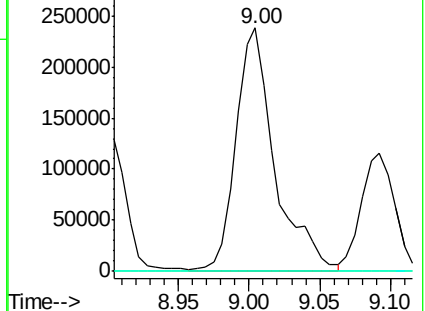
199 0.0 67.8 101.6#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E



#28

Naphthalene

Concen: 4.76 ng/ul

RT: 10.78 min Scan# 1308

Delta R.T. 0.00 min

Lab File: BM010339.D

Acq: 31 May 2017 19:32

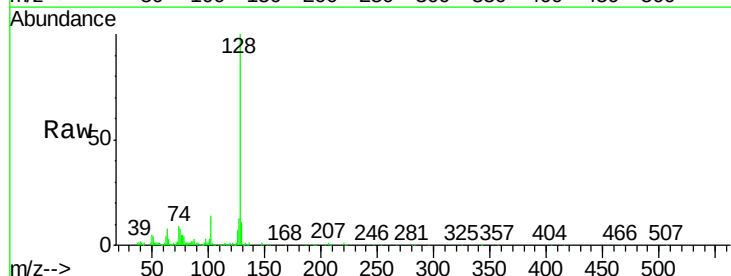
Tgt Ion:128 Resp: 349790

Ion Ratio Lower Upper

128 100

129 11.3 8.8 13.2

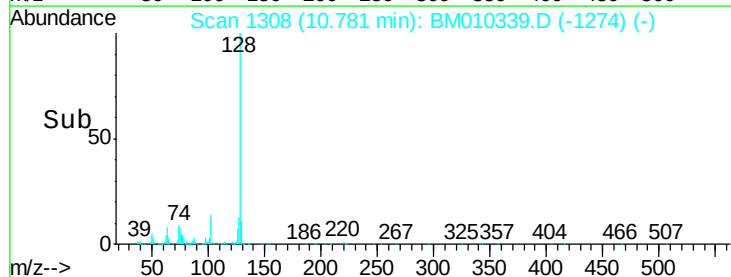
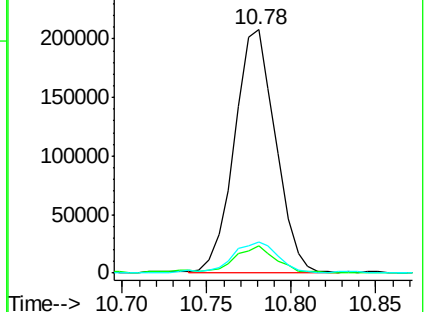
127 13.0 10.6 16.0

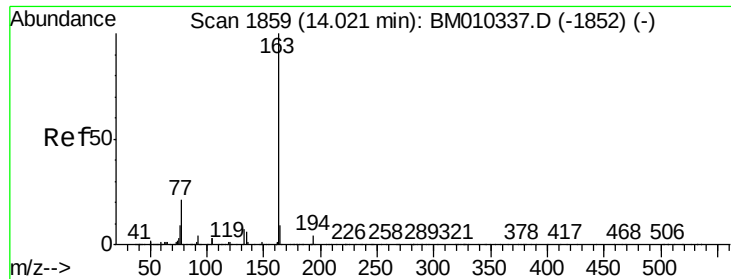


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#44

Dimethylphthalate

Concen: 2.35 ng/ul

RT: 14.02 min Scan# 1858

Delta R.T. -0.01 min

Lab File: BM010339.D

Acq: 31 May 2017 19:32

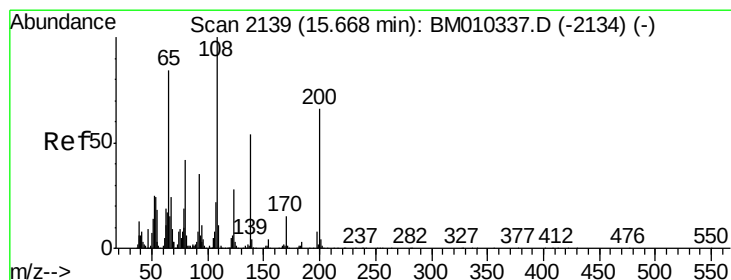
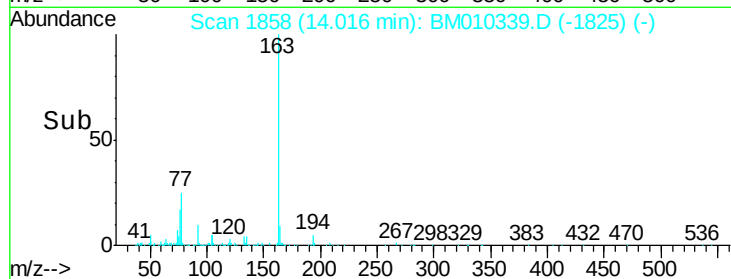
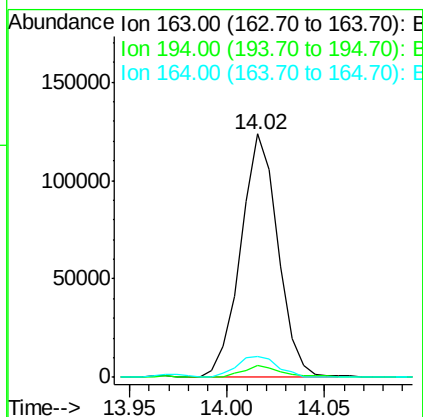
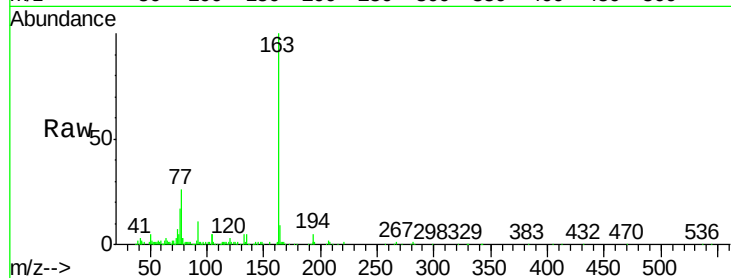
Instrument :

BNA\_M

ClientSampleId :

C0AB3

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 163   | Resp: | 164353 |
| Ion      | Ratio | Lower | Upper  |
| 163      | 100   |       |        |
| 194      | 5.0   | 3.5   | 5.3    |
| 164      | 8.6   | 8.2   | 12.4   |



#60

4-Nitroaniline

Concen: 9.84 ng/ul

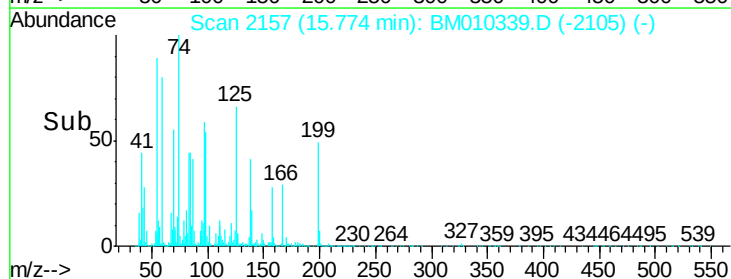
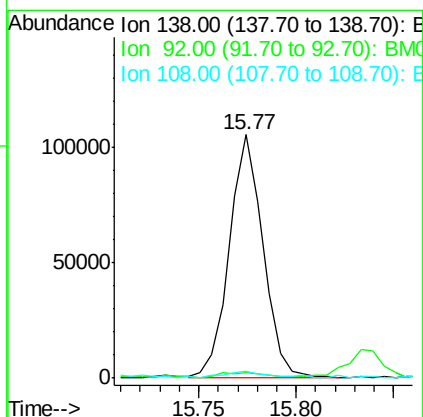
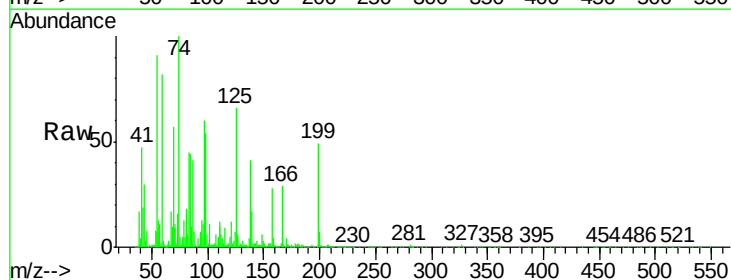
RT: 15.77 min Scan# 2157

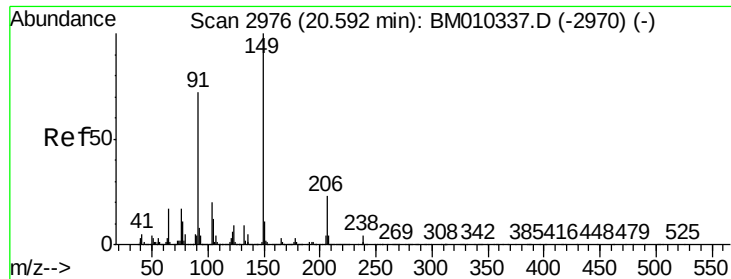
Delta R.T. 0.11 min

Lab File: BM010339.D

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|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 138   | Resp: | 126966 |
| Ion      | Ratio | Lower | Upper  |
| 138      | 100   |       |        |
| 92       | 2.3   | 52.7  | 79.1#  |
| 108      | 2.7   | 140.4 | 210.6# |





#78

Butylbenzylphthalate

Concen: 75.96 ng/ul

RT: 20.59 min Scan# 2976

Delta R.T. 0.00 min

Lab File: BM010339.D

Acq: 31 May 2017 19:32

Instrument :

BNA\_M

ClientSampleId :

C0AB3

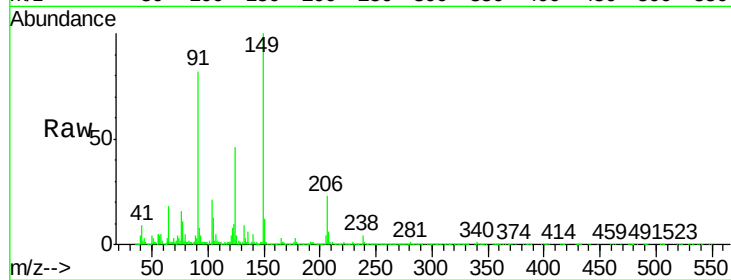
Tgt Ion:149 Resp: 3597979

Ion Ratio Lower Upper

149 100

91 82.4 62.7 94.1

206 23.2 20.8 31.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E

