

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF012218\  
 Data File : BF102327.D  
 Acq On : 23 Jan 2018 6:03  
 Operator : SJ/JU  
 Sample : J1214-03RE 5X  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-PH3-MGP-01RE

Quant Time: Jan 23 08:07:24 2018  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF012218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 23 00:43:41 2018  
 Response via : Initial Calibration

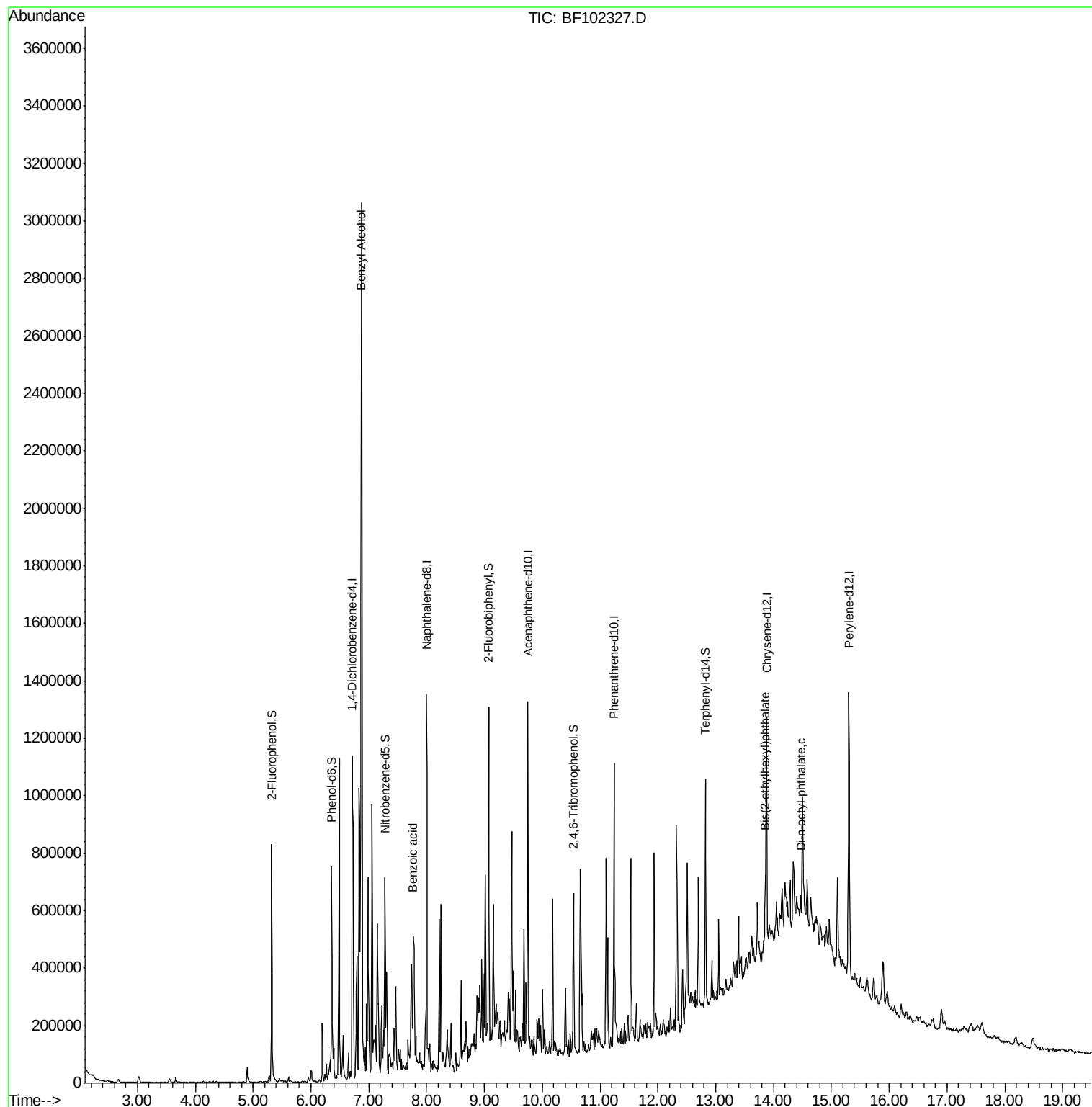
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.72  | 152  | 141625   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.00  | 136  | 572489   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.75  | 164  | 225678   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.24 | 188  | 324923   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 13.88 | 240  | 276969   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 15.30 | 264  | 185671   | 20.00  | ng    | 0.01     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.32  | 112  | 248435   | 26.60  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.36  | 99   | 277580   | 24.65  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.28  | 82   | 187340   | 18.81  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.54 | 330  | 57134    | 25.55  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.07  | 172  | 321725   | 20.96  | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.82 | 244  | 229729   | 18.70  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 15) Benzyl Alcohol             | 6.88  | 79   | 750418   | 94.449 | ng    | 98       |
| 32) Benzoic acid               | 7.77  | 122  | 58241    | 8.922  | ng    | 93       |
| 83) Bis(2-ethylhexyl)phthalate | 13.86 | 149  | 80902    | 5.649  | ng    | # 99     |
| 84) Di-n-octyl phthalate       | 14.47 | 149  | 70969    | 3.047  | ng    | # 92     |

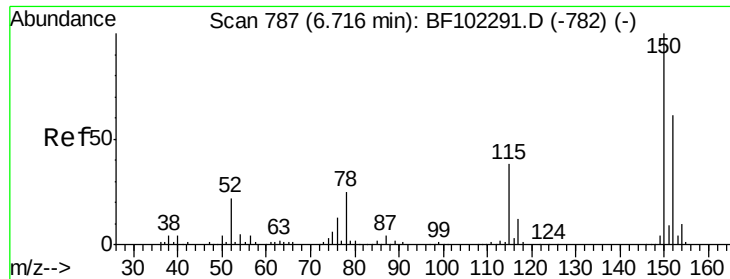
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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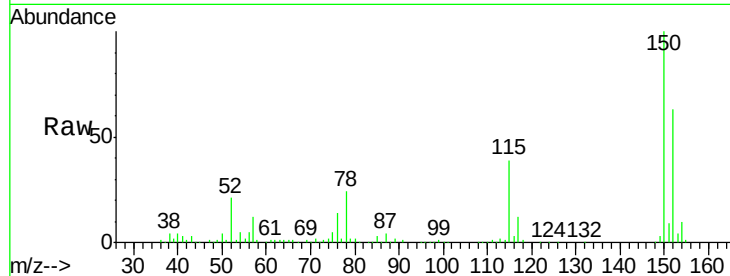


#1

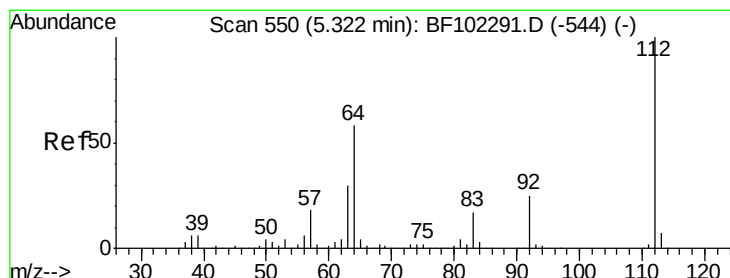
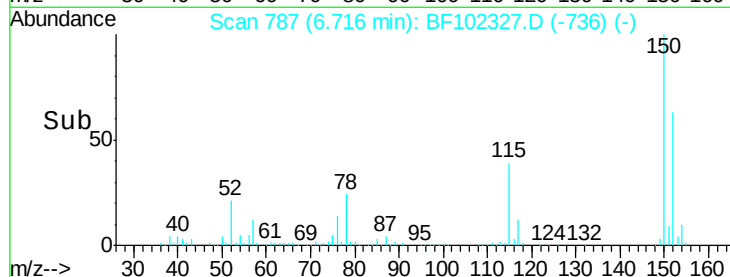
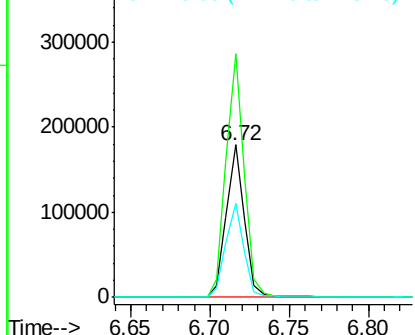
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.72 min Scan# 787  
 Delta R.T. -0.00 min  
 Lab File: BF102327.D  
 Acq: 23 Jan 2018 6:03

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-PH3-MGP-01RE

Tgt Ion:152 Resp: 141625  
 Ion Ratio Lower Upper  
 152 100  
 150 159.5 124.6 186.8  
 115 61.8 50.1 75.1



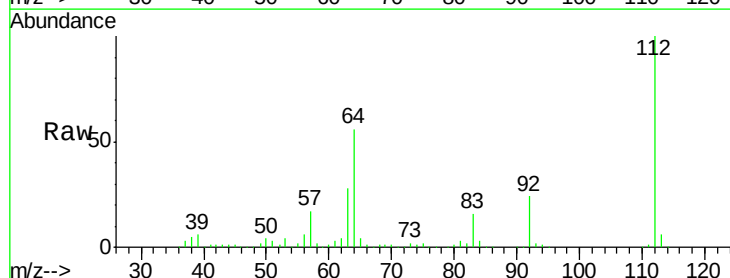
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



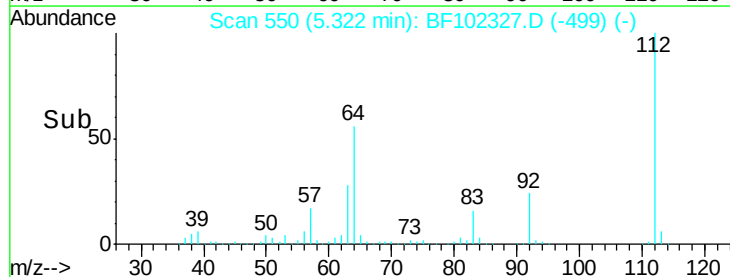
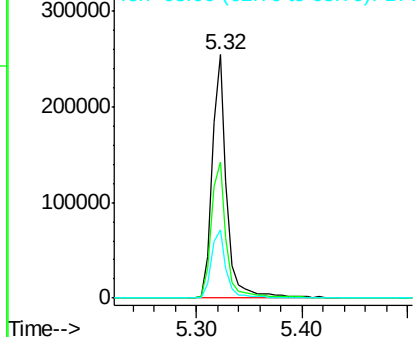
#5

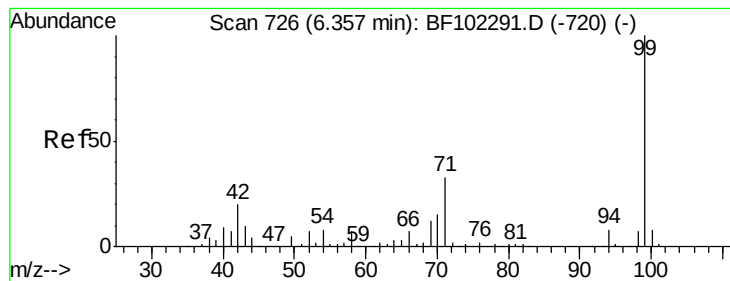
2-Fluorophenol  
 Concen: 26.598 ng  
 RT: 5.32 min Scan# 550  
 Delta R.T. -0.00 min  
 Lab File: BF102327.D  
 Acq: 23 Jan 2018 6:03

Tgt Ion:112 Resp: 248435  
 Ion Ratio Lower Upper  
 112 100  
 64 55.7 47.9 71.9  
 63 28.0 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E  
 Ion 64.00 (63.70 to 64.70): BF1  
 Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 24.650 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.00 min

Lab File: BF102327.D

Acq: 23 Jan 2018 6:03

Instrument :

BNA\_F

ClientSampleId :

WC-PH3-MGP-01RE

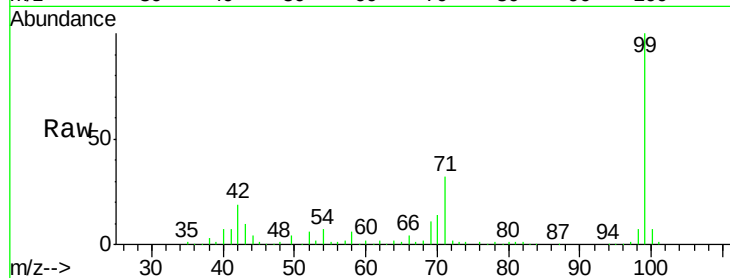
Tgt Ion: 99 Resp: 277580

Ion Ratio Lower Upper

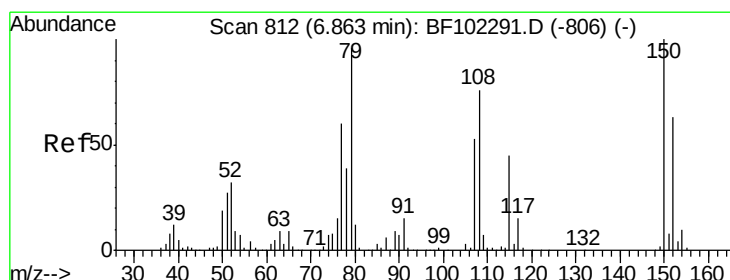
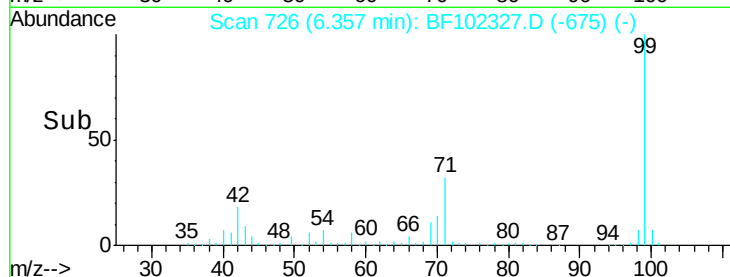
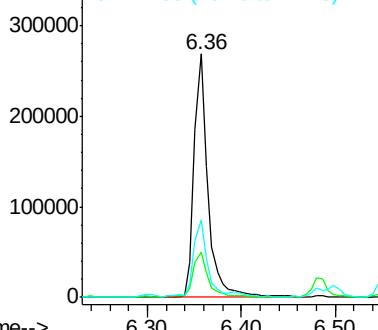
99 100

42 18.6 14.5 21.7

71 31.8 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1  
Ion 42.00 (41.70 to 42.70): BF1  
Ion 71.00 (70.70 to 71.70): BF1



#15

Benzyl Alcohol

Concen: 94.449 ng

RT: 6.88 min Scan# 815

Delta R.T. 0.02 min

Lab File: BF102327.D

Acq: 23 Jan 2018 6:03

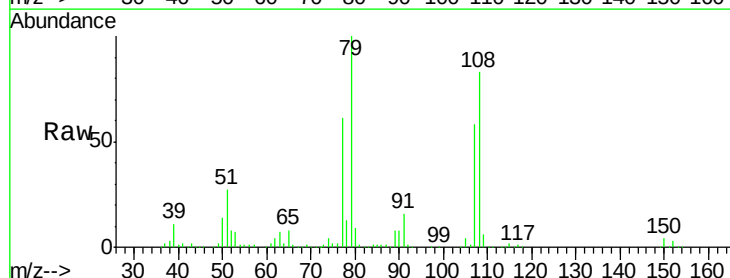
Tgt Ion: 79 Resp: 750418

Ion Ratio Lower Upper

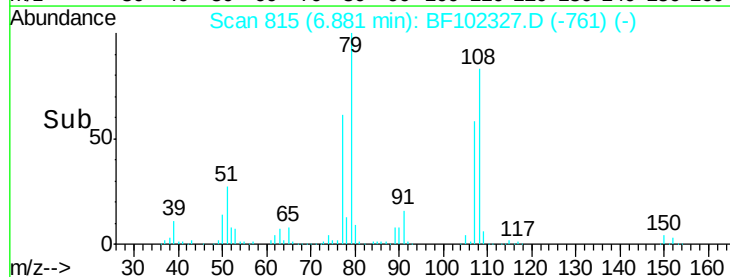
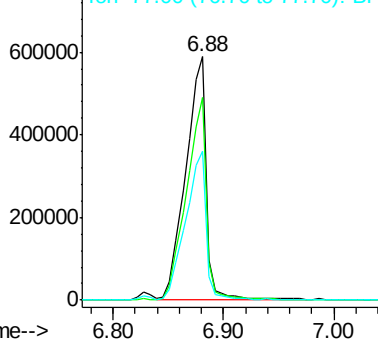
79 100

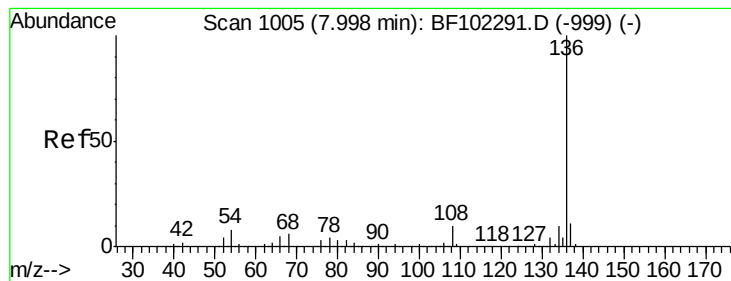
108 83.2 65.1 97.7

77 61.1 50.6 75.8



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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1005

Delta R.T. -0.00 min

Lab File: BF102327.D

Acq: 23 Jan 2018 6:03

Instrument :

BNA\_F

ClientSampleId :

WC-PH3-MGP-01RE

Tgt Ion: 136 Resp: 572489

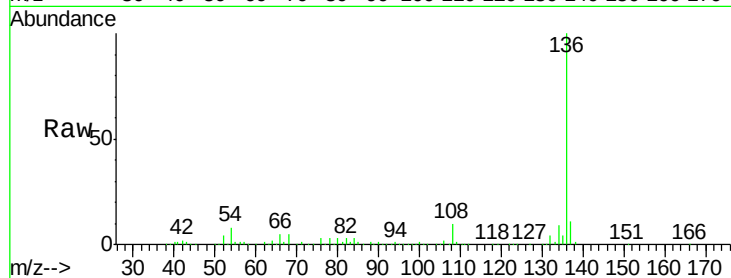
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 8.4 6.6 9.8

68 5.5 5.0 7.4

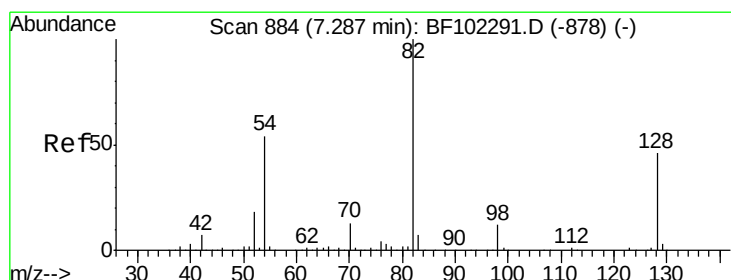
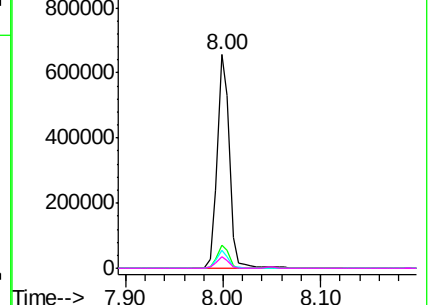
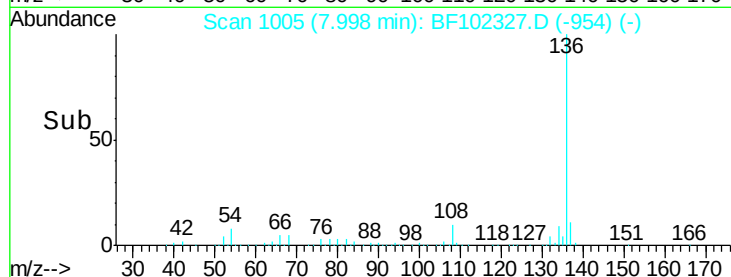


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 18.805 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF102327.D

Acq: 23 Jan 2018 6:03

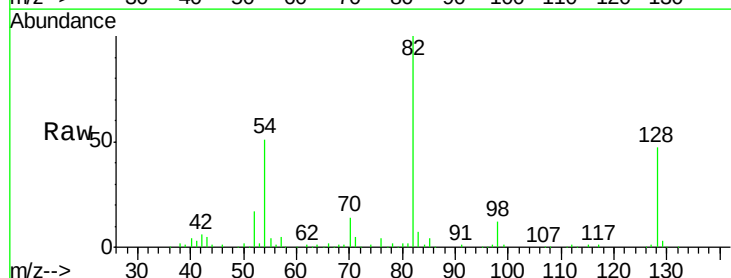
Tgt Ion: 82 Resp: 187340

Ion Ratio Lower Upper

82 100

128 47.3 36.1 54.1

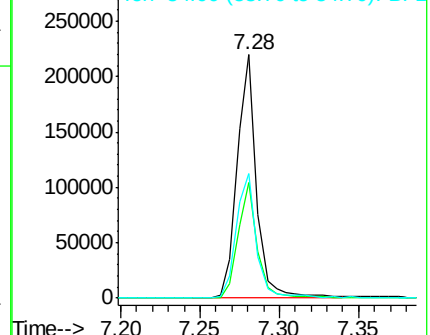
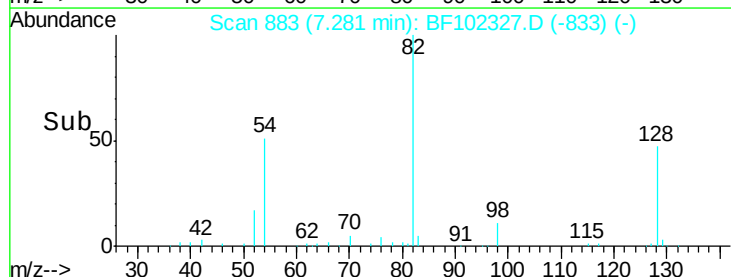
54 51.4 41.4 62.2

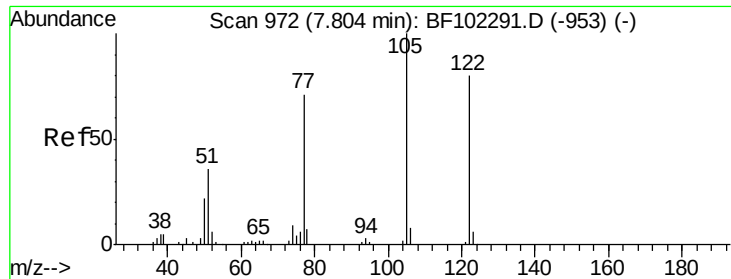


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#32

Benzoic acid

Concen: 8.922 ng

RT: 7.77 min Scan# 967

Delta R.T. -0.03 min

Lab File: BF102327.D

Acq: 23 Jan 2018 6:03

Instrument :

BNA\_F

ClientSampleId :

WC-PH3-MGP-01RE

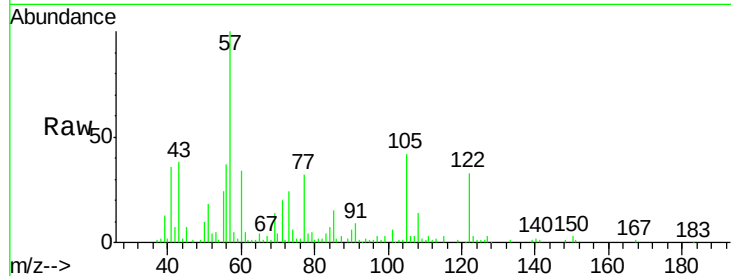
Tgt Ion:122 Resp: 58241

Ion Ratio Lower Upper

122 100

105 127.8 101.1 141.1

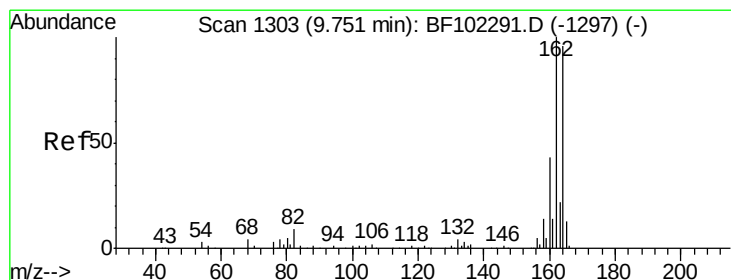
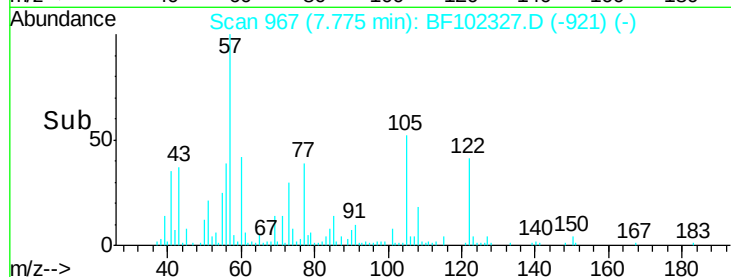
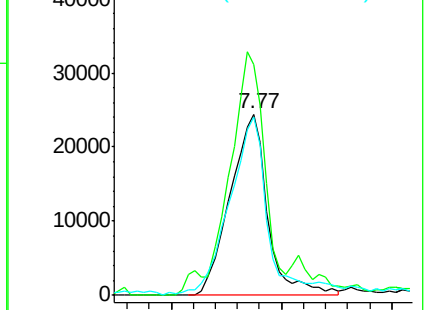
77 98.6 70.7 110.7



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.00 min

Lab File: BF102327.D

Acq: 23 Jan 2018 6:03

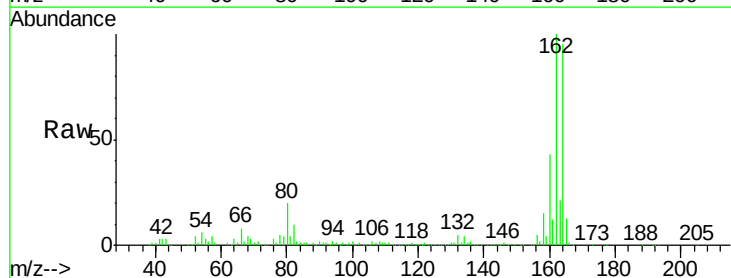
Tgt Ion:164 Resp: 225678

Ion Ratio Lower Upper

164 100

162 104.7 86.1 129.1

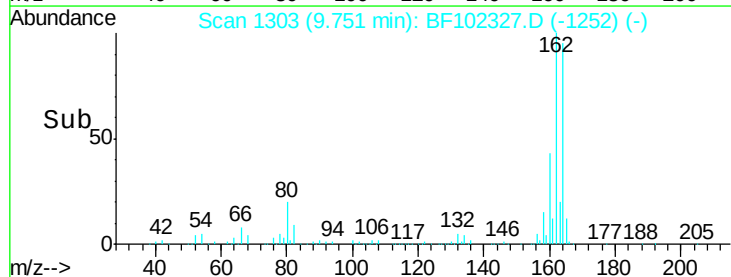
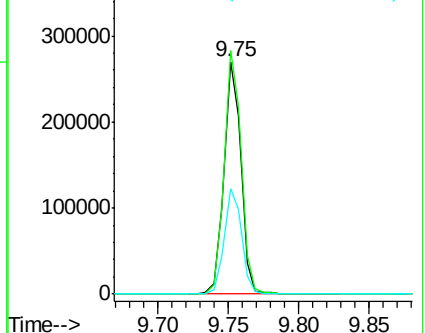
160 45.3 38.3 57.5

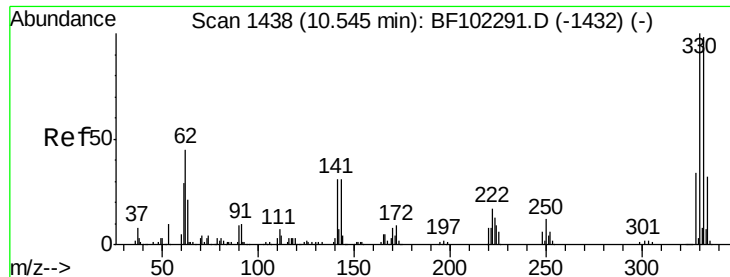


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

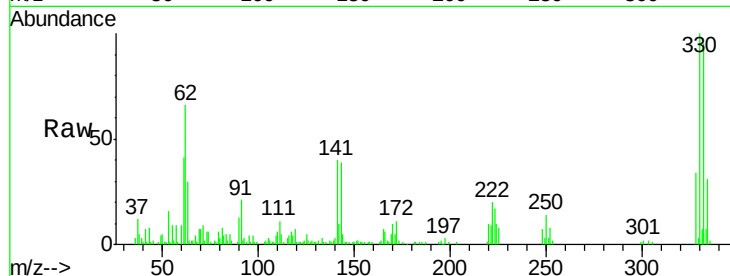




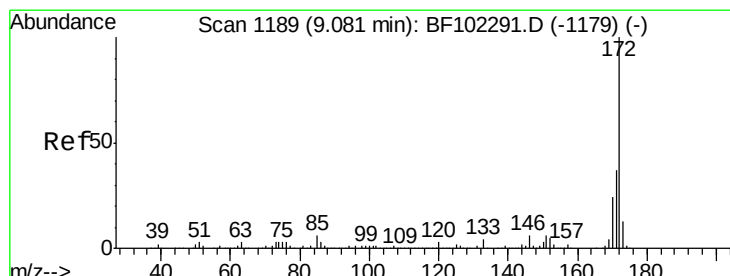
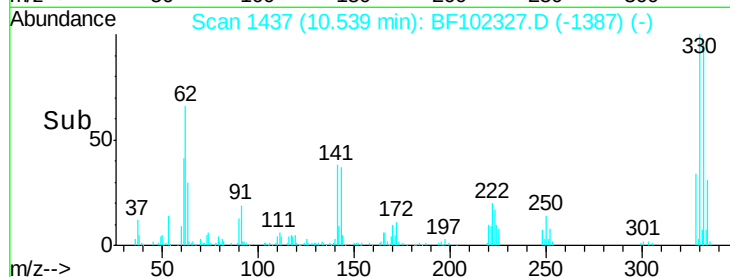
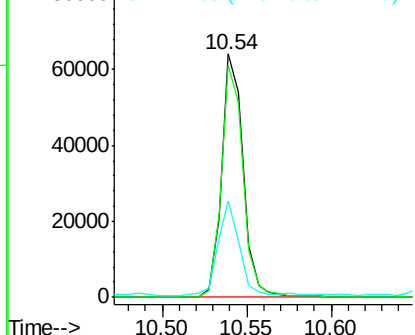
#41  
 2,4,6-Tribromophenol  
 Concen: 25.550 ng  
 RT: 10.54 min Scan# 1437  
 Delta R.T. -0.01 min  
 Lab File: BF102327.D  
 Acq: 23 Jan 2018 6:03

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-PH3-MGP-01RE

Tgt Ion:330 Resp: 57134  
 Ion Ratio Lower Upper  
 330 100  
 332 97.0 77.0 115.6  
 141 39.3 29.9 44.9

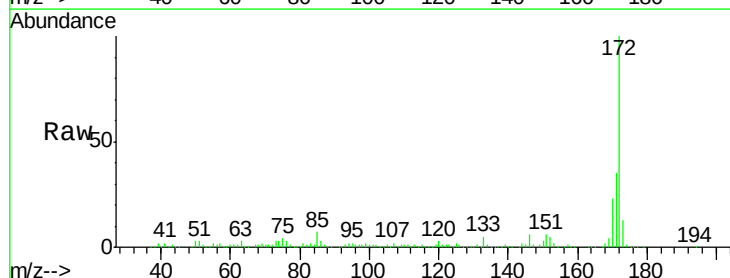


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

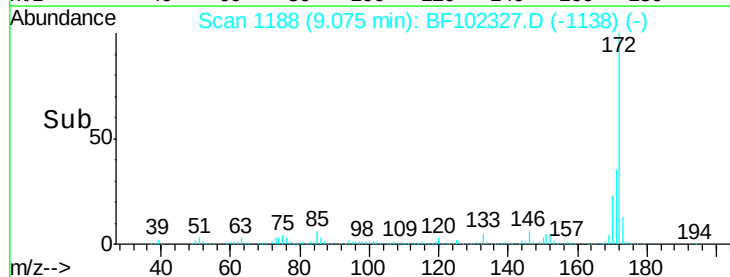
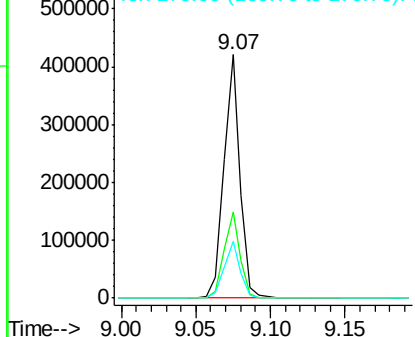


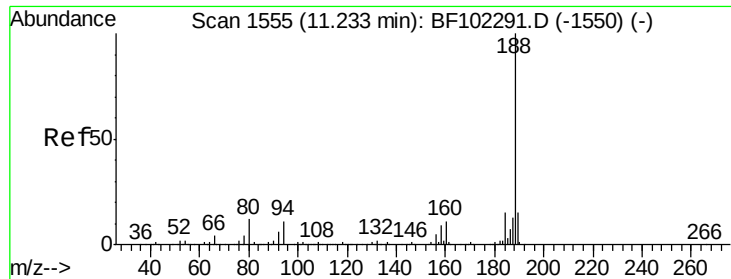
#44  
 2-Fluorobiphenyl  
 Concen: 20.961 ng  
 RT: 9.07 min Scan# 1188  
 Delta R.T. -0.01 min  
 Lab File: BF102327.D  
 Acq: 23 Jan 2018 6:03

Tgt Ion:172 Resp: 321725  
 Ion Ratio Lower Upper  
 172 100  
 171 35.5 29.7 44.5  
 170 23.3 19.6 29.4



Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.24 min Scan# 1556

Delta R.T. 0.01 min

Lab File: BF102327.D

Acq: 23 Jan 2018 6:03

Instrument :

BNA\_F

ClientSampleId :

WC-PH3-MGP-01RE

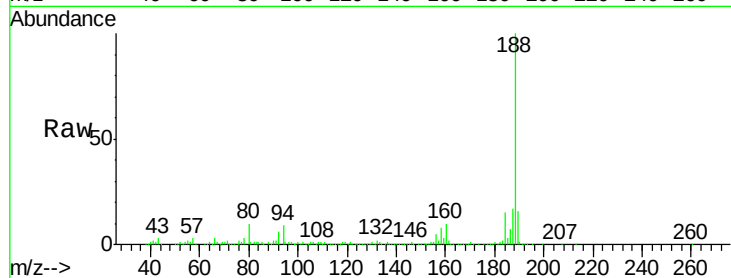
Tgt Ion:188 Resp: 324923

Ion Ratio Lower Upper

188 100

94 9.0 8.5 12.7

80 10.0 9.2 13.8

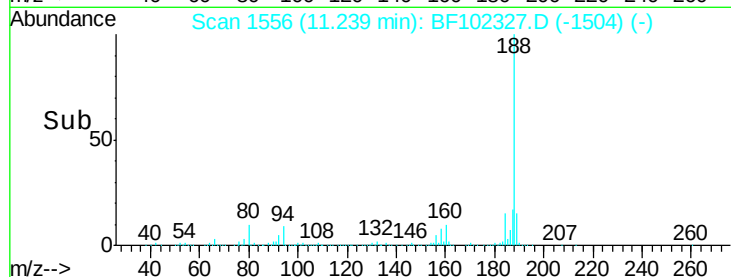


Abundance Ion 188.00 (187.70 to 188.70): E

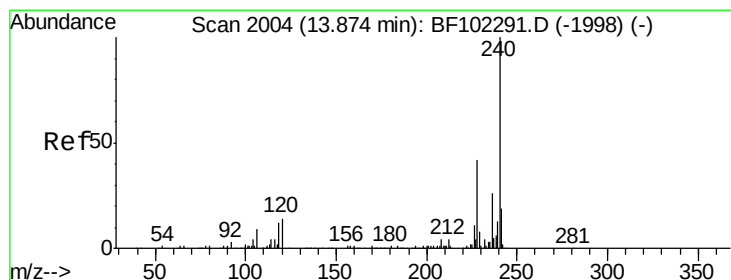
Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

Time-->



Time-->



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.88 min Scan# 2005

Delta R.T. 0.01 min

Lab File: BF102327.D

Acq: 23 Jan 2018 6:03

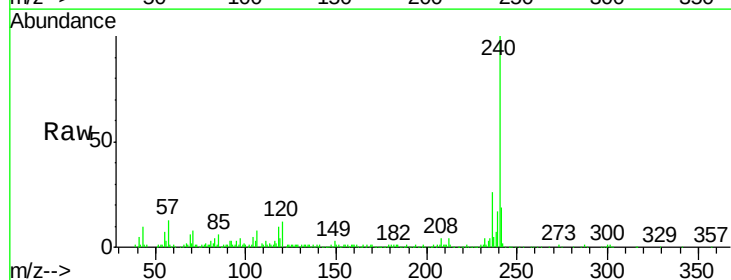
Tgt Ion:240 Resp: 276969

Ion Ratio Lower Upper

240 100

120 12.1 9.5 14.3

236 25.8 20.7 31.1

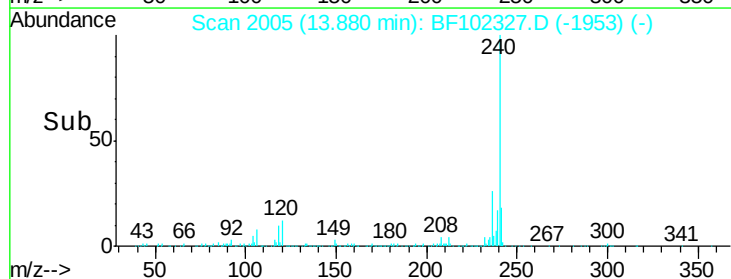


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

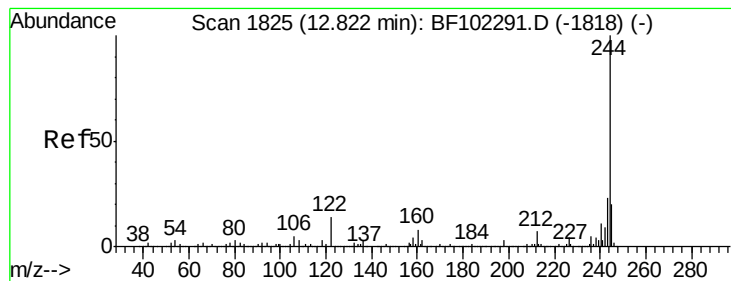
Ion 236.00 (235.70 to 236.70): E

Time-->



Time-->





#78

Terphenyl-d14

Concen: 18.699 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BF102327.D

Acq: 23 Jan 2018 6:03

Instrument :

BNA\_F

ClientSampleId :

WC-PH3-MGP-01RE

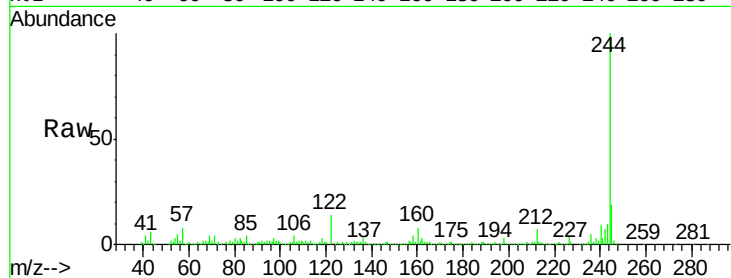
Tgt Ion:244 Resp: 229729

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

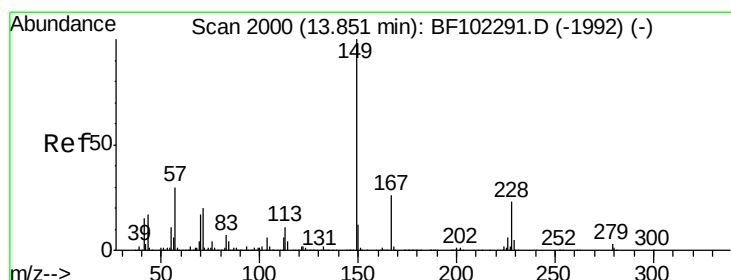
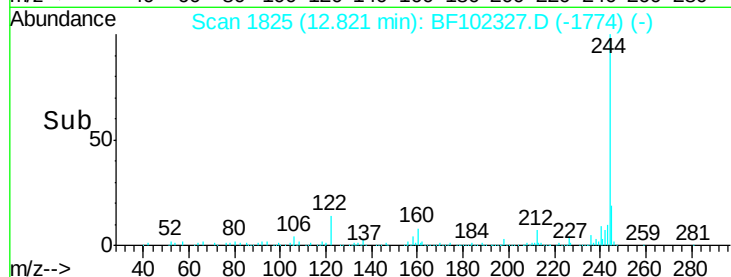
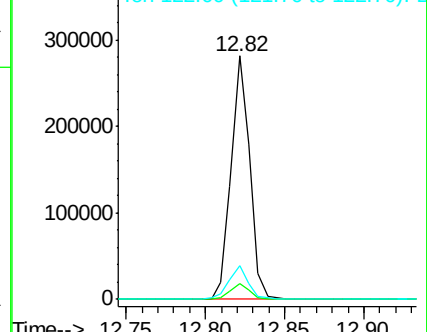
122 13.8 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 5.649 ng

RT: 13.86 min Scan# 2001

Delta R.T. 0.01 min

Lab File: BF102327.D

Acq: 23 Jan 2018 6:03

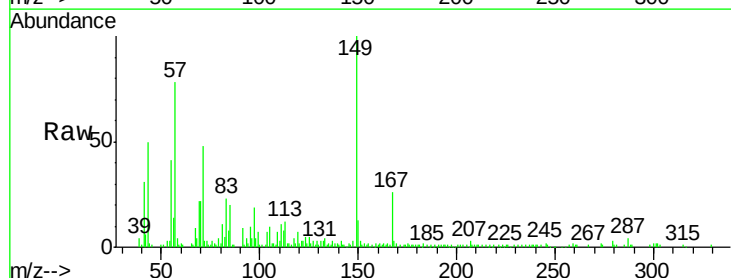
Tgt Ion:149 Resp: 80902

Ion Ratio Lower Upper

149 100

167 26.5 21.3 31.9

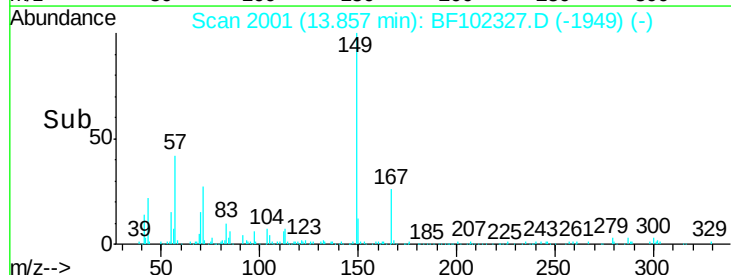
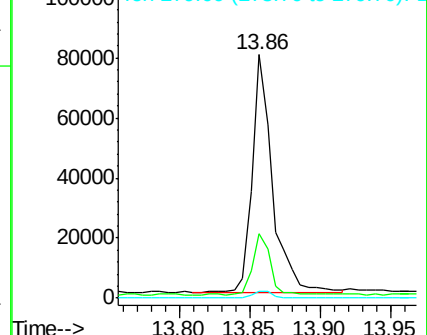
279 2.7 3.0 4.4#

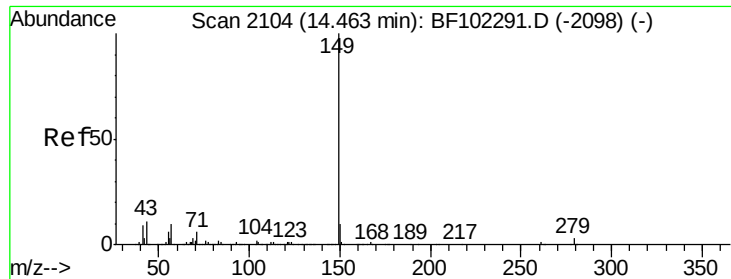


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 3.047 ng

RT: 14.47 min Scan# 2105

Delta R.T. 0.01 min

Lab File: BF102327.D

Acq: 23 Jan 2018 6:03

Instrument :

BNA\_F

ClientSampleId :

WC-PH3-MGP-01RE

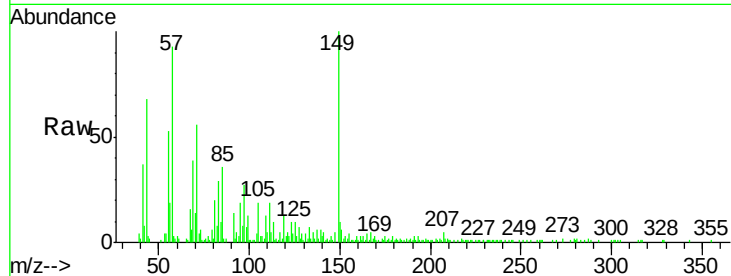
Tgt Ion:149 Resp: 70969

Ion Ratio Lower Upper

149 100

167 3.0 1.2 1.8#

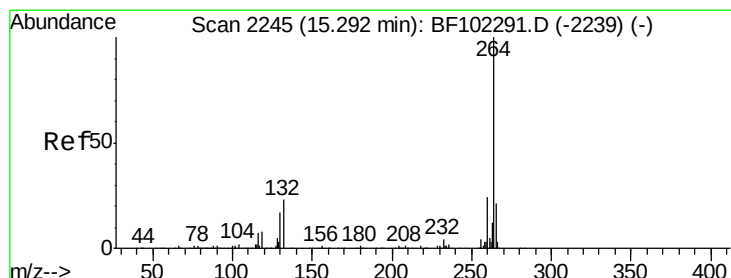
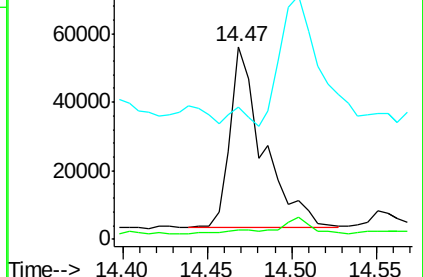
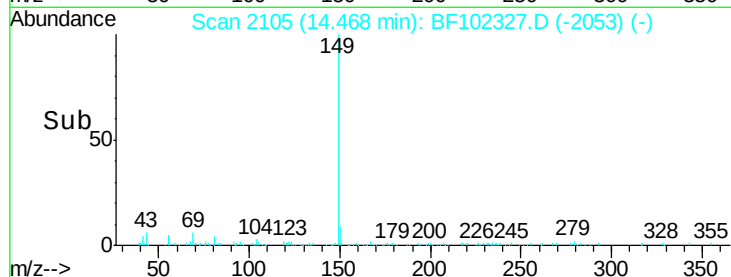
43 7.3 8.4 12.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.30 min Scan# 2247

Delta R.T. 0.01 min

Lab File: BF102327.D

Acq: 23 Jan 2018 6:03

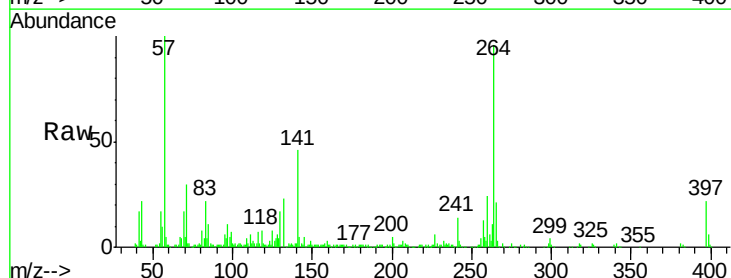
Tgt Ion:264 Resp: 185671

Ion Ratio Lower Upper

264 100

260 25.4 19.2 28.8

265 21.5 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

