

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF061118\
 Data File : BF106326.D
 Acq On : 12 Jun 2018 6:23
 Operator : JU/SJ
 Sample : J3311-04
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-05

Quant Time: Jun 12 08:04:54 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 11 15:00:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	176072	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	558764	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	317052	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	370151	20.00	ng	0.01
75) Chrysene-d12	14.15	240	483350	20.00	ng	0.00
86) Perylene-d12	15.68	264	368892	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	677100	65.09	ng	0.00
7) Phenol-d6	6.59	99	619270	47.12	ng	0.00
23) Nitrobenzene-d5	7.54	82	847407	89.22	ng	0.00
41) 2,4,6-Tribromophenol	10.82	330	286372	93.87	ng	0.01
44) 2-Fluorobiphenyl	9.34	172	1091757	53.68	ng	0.00
78) Terphenyl-d14	13.10	244	986345	50.69	ng	0.00

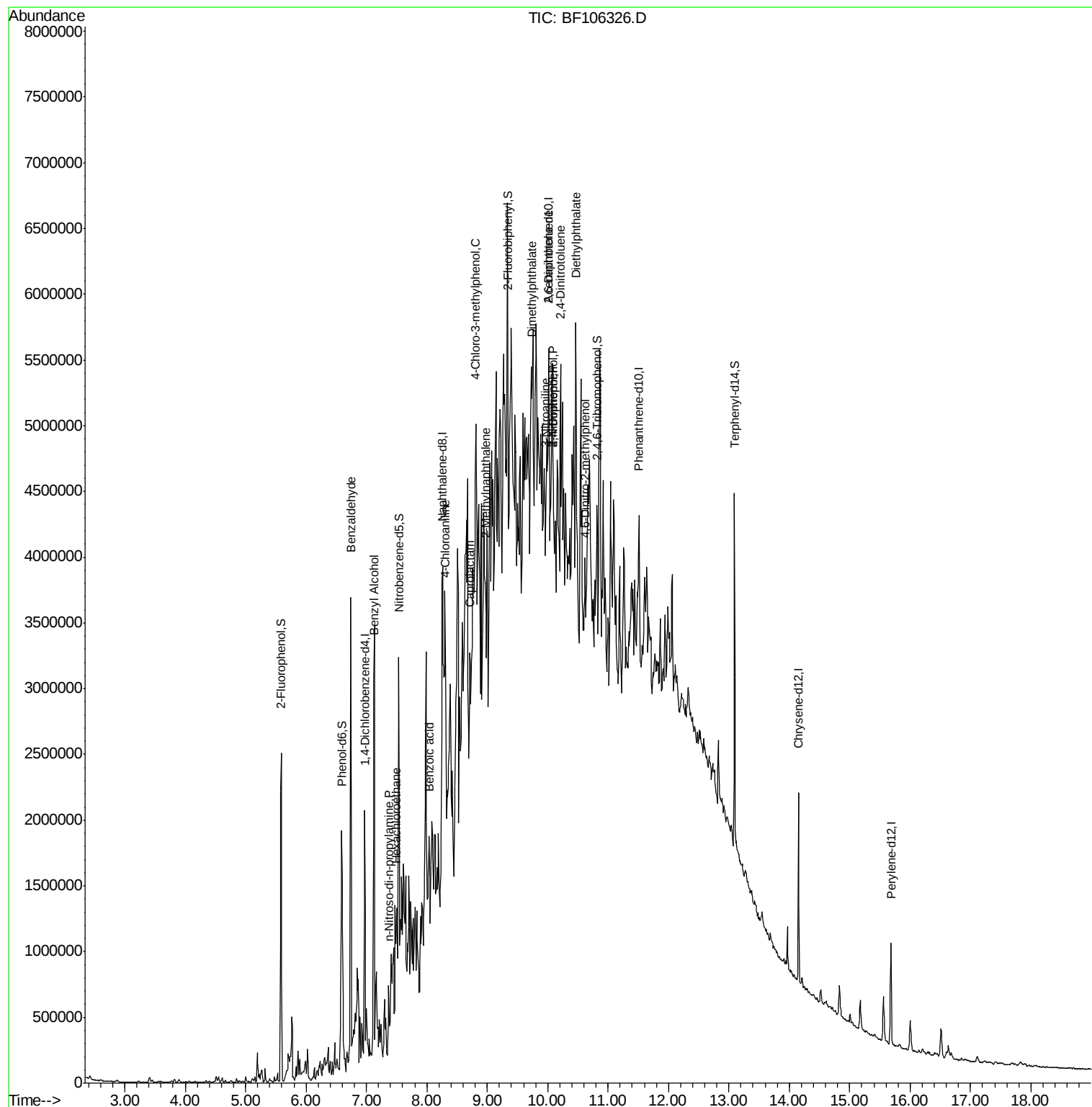
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.74	77	23837	2.391	ng	80
15) Benzyl Alcohol	7.12	79	29377	2.610	ng	# 57
18) Hexachloroethane	7.50	117	30386	6.382	ng	# 1
19) n-Nitroso-di-n-propylamine	7.37	70	29875	3.030	ng	# 76
32) Benzoic acid	8.04	122	37127	12.725	ng	# 28
33) 4-Chloroaniline	8.31	127	33742	3.014	ng	# 60
35) Caprolactam	8.72	113	11696	4.564	ng	# 1
36) 4-Chloro-3-methylphenol	8.81	107	31199	3.722	ng	# 36
37) 2-Methylnaphthalene	8.97	142	47236	2.746	ng	# 75
49) Dimethylphthalate	9.74	163	94558	4.174	ng	# 56
50) 2,6-Dinitrotoluene	10.02	165	40068	8.660	ng	91
52) 3-Nitroaniline	9.97	138	41333	7.526	ng	# 13
53) 2,4-Dinitrophenol	10.10	184	7604	11.808	ng	# 1
55) 4-Nitrophenol	10.10	139	17593	4.180	ng	# 1
56) 2,4-Dinitrotoluene	10.22	165	12273	2.112	ng	# 51
59) Diethylphthalate	10.47	149	185296	8.242	ng	# 42
64) 4,6-Dinitro-2-methylphenol	10.63	198	6099	8.949	ng	# 1

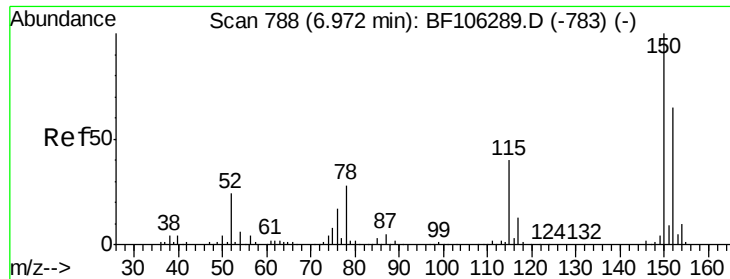
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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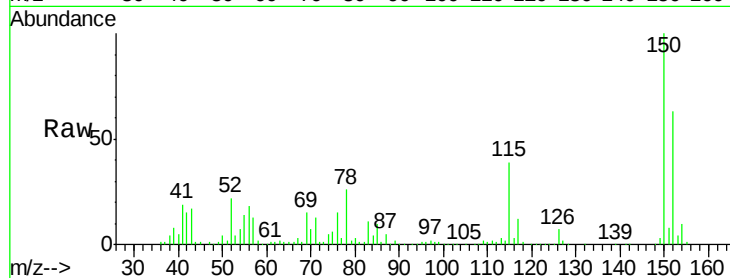




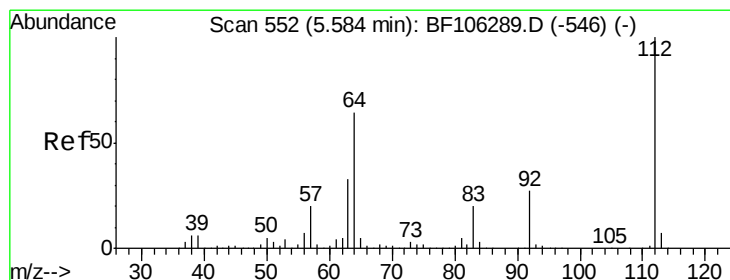
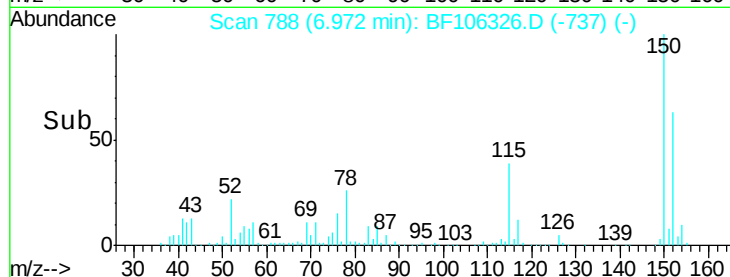
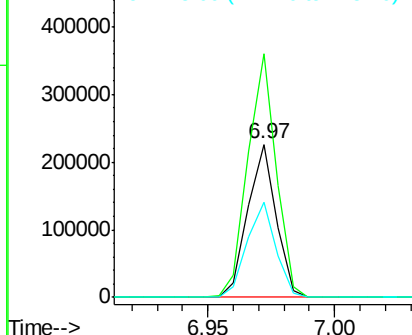
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.97 min Scan# 788
 Delta R.T. 0.00 min
 Lab File: BF106326.D
 Acq: 12 Jun 2018 6:23

Instrument :
 BNA_F
 ClientSampleId :
 MW-05

Tgt Ion:152 Resp: 176072
 Ion Ratio Lower Upper
 152 100
 150 158.9 124.6 186.8
 115 62.3 50.1 75.1

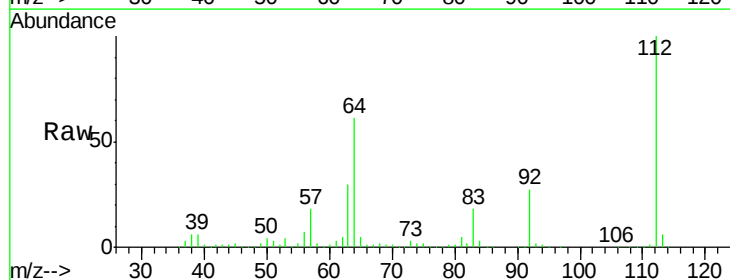


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

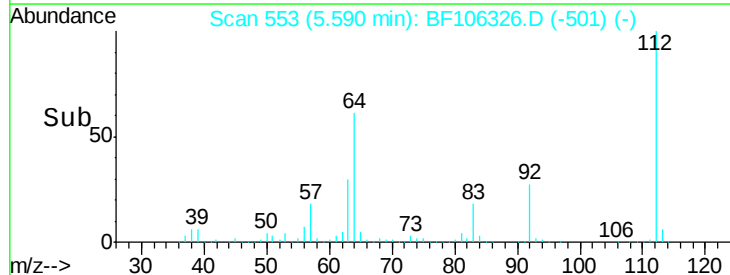
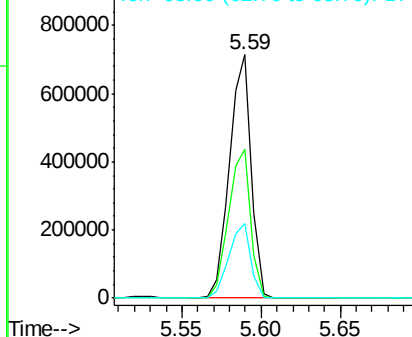


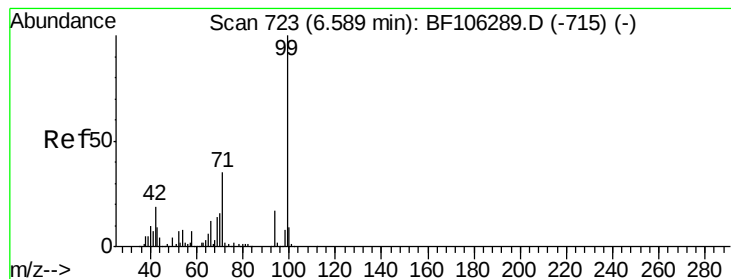
#5
 2-Fluorophenol
 Concen: 65.086 ng
 RT: 5.59 min Scan# 553
 Delta R.T. 0.01 min
 Lab File: BF106326.D
 Acq: 12 Jun 2018 6:23

Tgt Ion:112 Resp: 677100
 Ion Ratio Lower Upper
 112 100
 64 61.3 47.9 71.9
 63 30.5 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: 47.117 ng

RT: 6.59 min Scan# 723

Delta R.T. 0.00 min

Lab File: BF106326.D

Acq: 12 Jun 2018 6:23

Instrument :

BNA_F

ClientSampleId :

MW-05

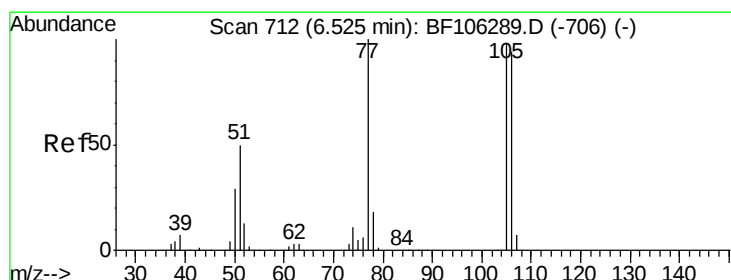
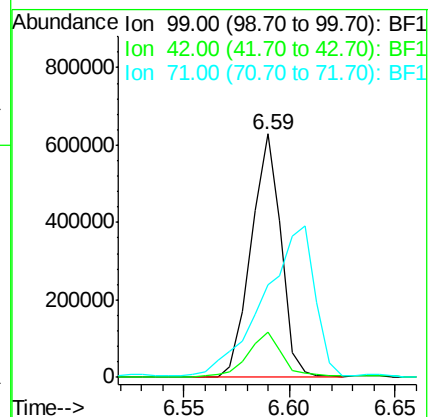
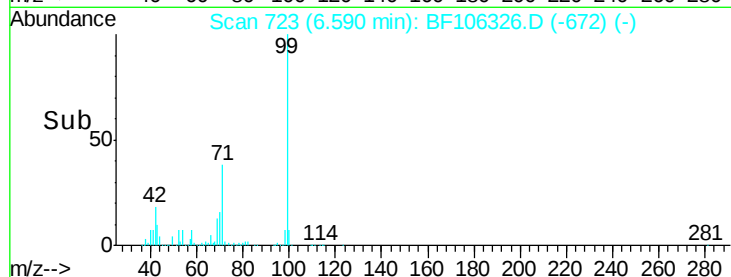
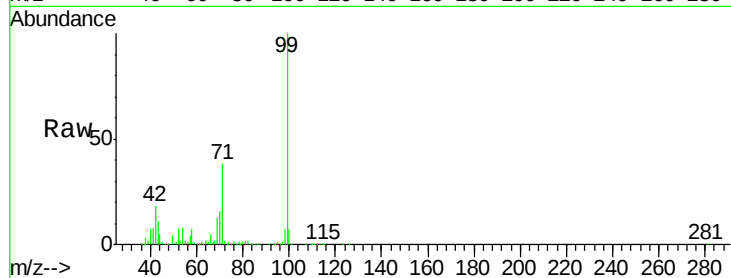
Tgt Ion: 99 Resp: 619270

Ion Ratio Lower Upper

99 100

42 18.5 14.5 21.7

71 38.0 25.4 38.0



#9

Benzaldehyde

Concen: 2.391 ng

RT: 6.74 min Scan# 749

Delta R.T. 0.22 min

Lab File: BF106326.D

Acq: 12 Jun 2018 6:23

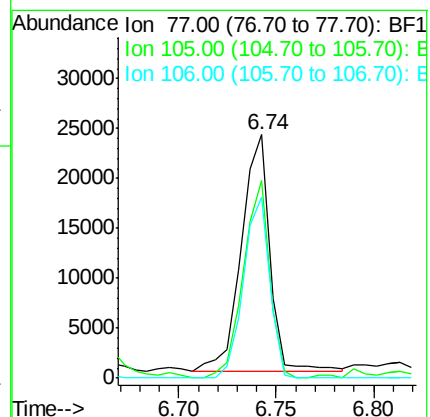
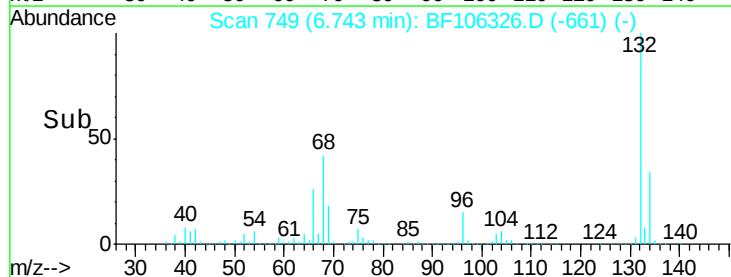
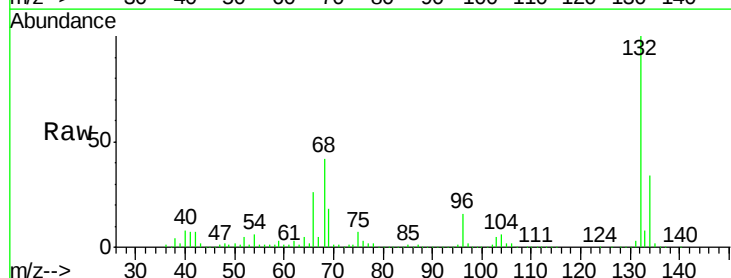
Tgt Ion: 77 Resp: 23837

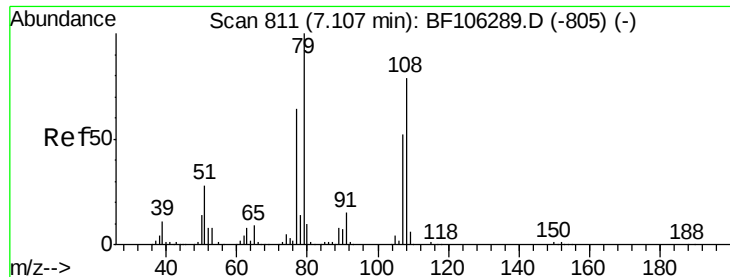
Ion Ratio Lower Upper

77 100

105 81.4 81.1 121.1

106 74.5 74.5 114.5





#15

Benzyl Alcohol

Concen: 2.610 ng

RT: 7.12 min Scan# 813

Delta R.T. 0.01 min

Lab File: BF106326.D

Acq: 12 Jun 2018 6:23

Instrument :

BNA_F

ClientSampleId :

MW-05

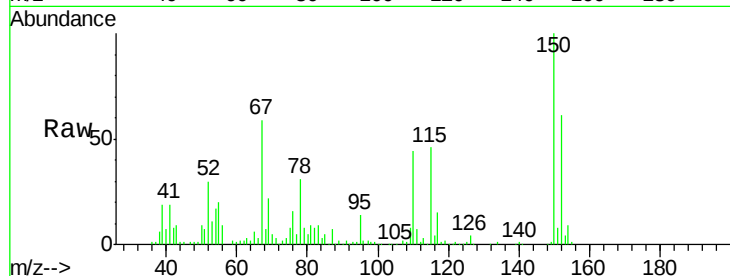
Tgt Ion: 79 Resp: 29377

Ion Ratio Lower Upper

79 100

108 18.3 65.1 97.7#

77 58.5 50.6 75.8

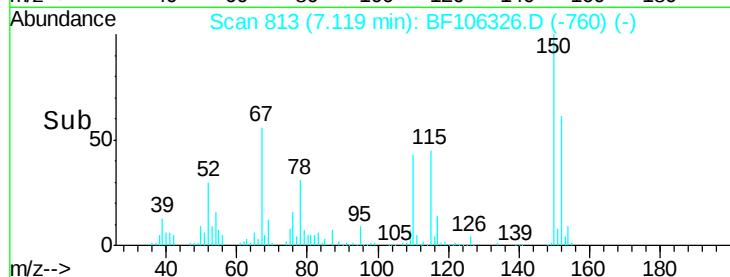


Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Time-->



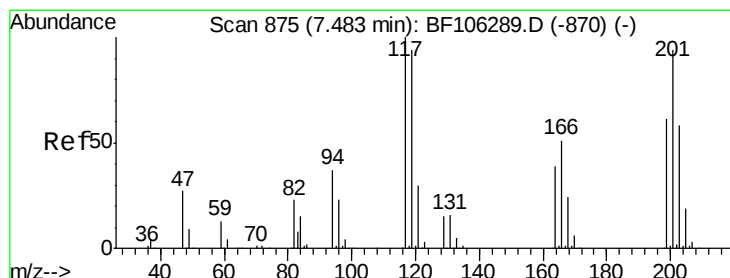
Abundance

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

Time-->



#18

Hexachloroethane

Concen: 6.382 ng

RT: 7.50 min Scan# 878

Delta R.T. 0.02 min

Lab File: BF106326.D

Acq: 12 Jun 2018 6:23

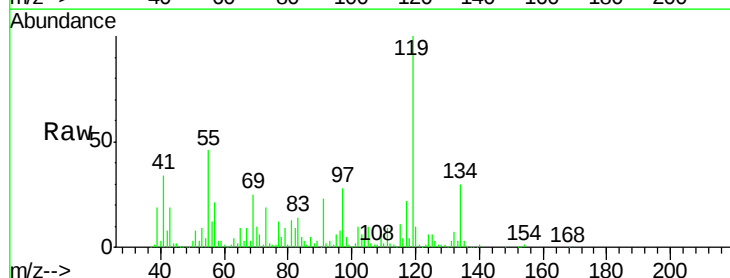
Tgt Ion: 117 Resp: 30386

Ion Ratio Lower Upper

117 100

119 462.6 75.8 113.8#

201 0.0 75.7 113.5#

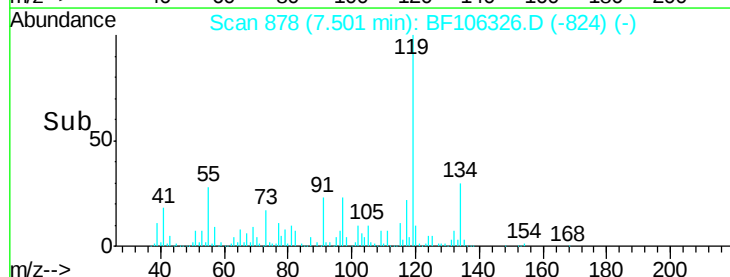


Abundance Ion 117.00 (116.70 to 117.70): BF1

Ion 119.00 (118.70 to 119.70): BF1

Ion 201.00 (200.70 to 201.70): BF1

Time-->



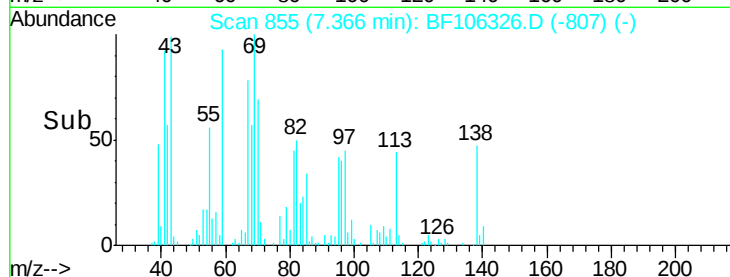
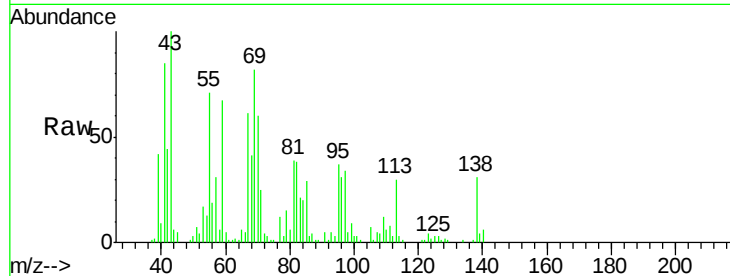
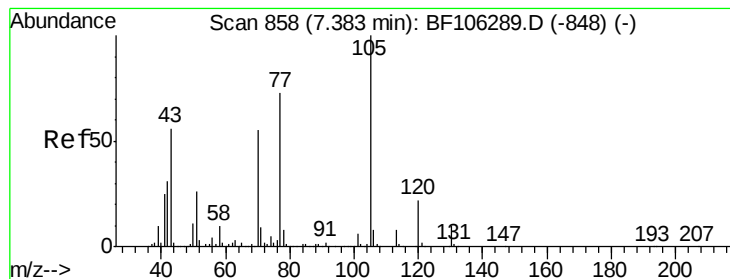
Abundance

Ion 117.00 (116.70 to 117.70): BF1

Ion 119.00 (118.70 to 119.70): BF1

Ion 201.00 (200.70 to 201.70): BF1

Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 3.030 ng

RT: 7.37 min Scan# 855

Delta R.T. -0.02 min

Lab File: BF106326.D

Acq: 12 Jun 2018 6:23

Instrument :

BNA_F

ClientSampleId :

MW-05

Tgt Ion: 70 Resp: 29875

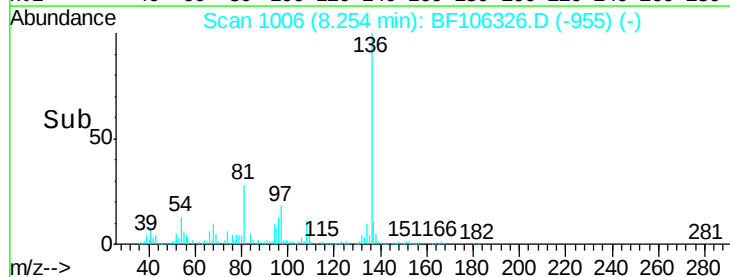
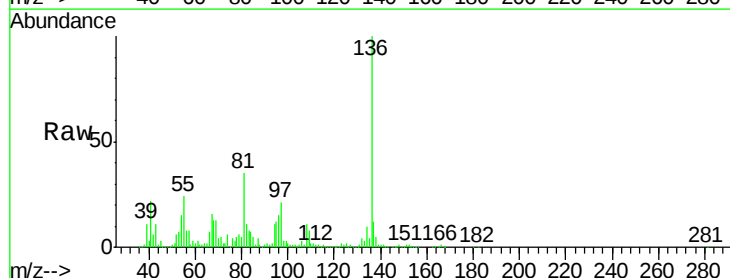
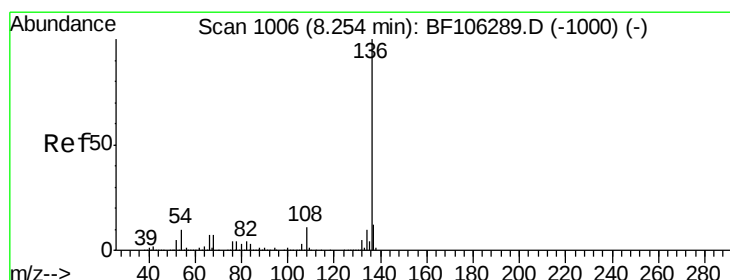
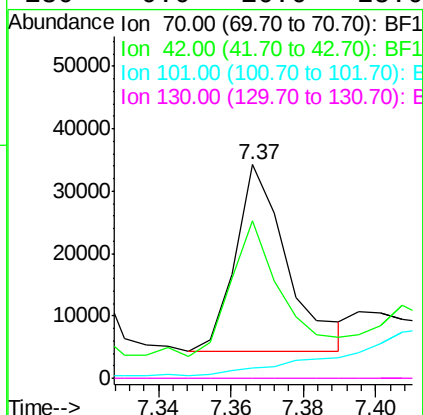
Ion Ratio Lower Upper

70 100

42 73.7 47.5 71.3#

101 4.6 7.4 11.2#

130 0.0 16.6 25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1006

Delta R.T. 0.00 min

Lab File: BF106326.D

Acq: 12 Jun 2018 6:23

Tgt Ion: 136 Resp: 558764

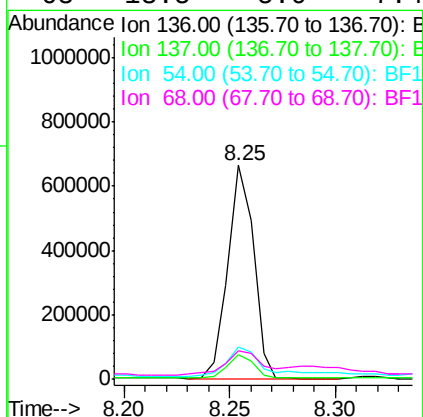
Ion Ratio Lower Upper

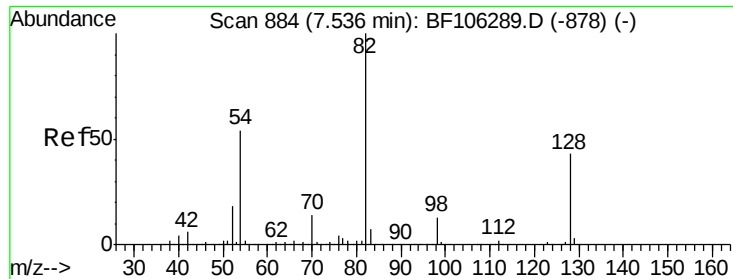
136 100

137 11.7 8.9 13.3

54 14.8 6.6 9.8#

68 13.5 5.0 7.4#

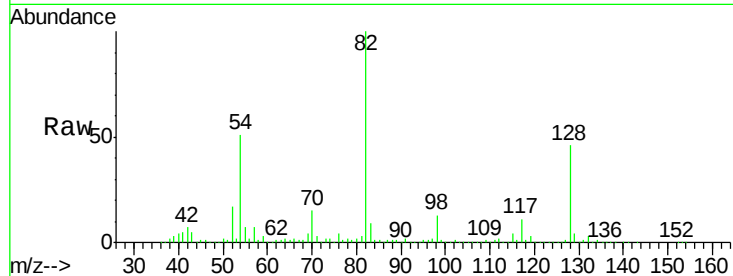




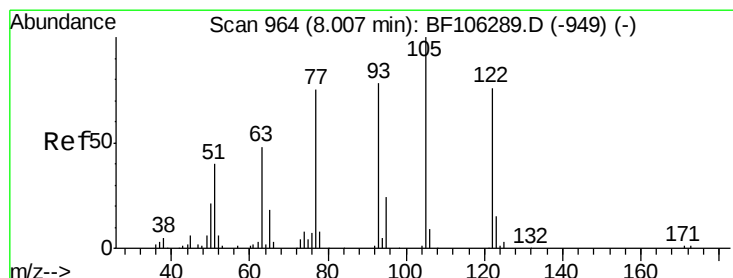
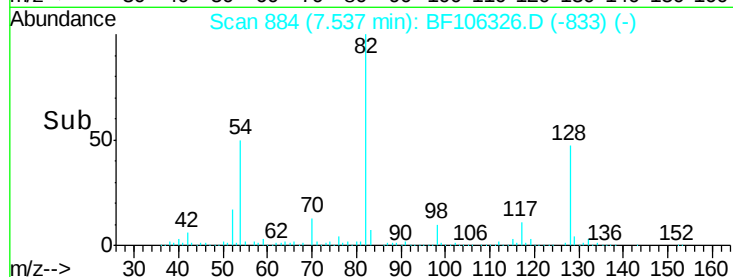
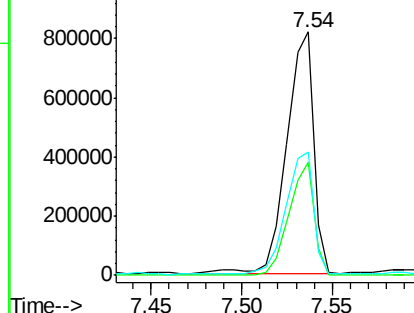
#23
Nitrobenzene-d5
Concen: 89.218 ng
RT: 7.54 min Scan# 884
Delta R.T. 0.00 min
Lab File: BF106326.D
Acq: 12 Jun 2018 6:23

Instrument :
BNA_F
ClientSampleId :
MW-05

Tgt Ion: 82 Resp: 847407
Ion Ratio Lower Upper
82 100
128 46.3 36.1 54.1
54 50.6 41.4 62.2

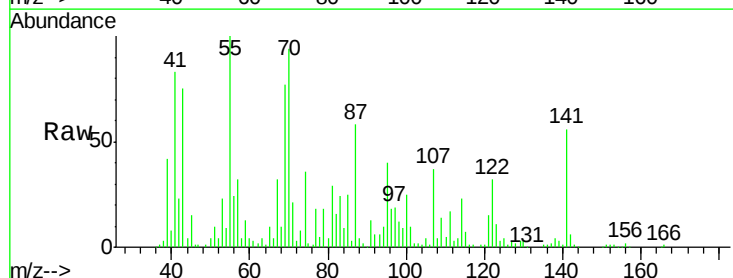


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

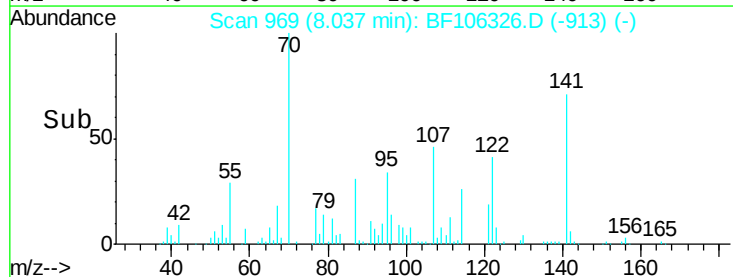
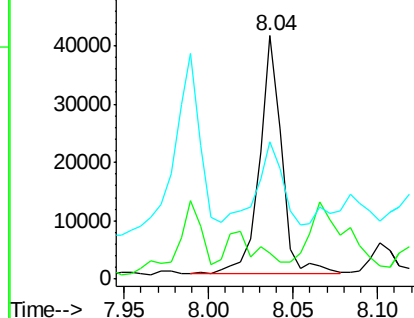


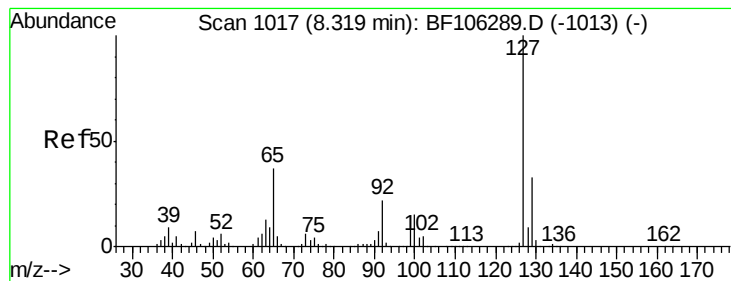
#32
Benzoic acid
Concen: 12.725 ng
RT: 8.04 min Scan# 969
Delta R.T. 0.03 min
Lab File: BF106326.D
Acq: 12 Jun 2018 6:23

Tgt Ion: 122 Resp: 37127
Ion Ratio Lower Upper
122 100
105 10.9 101.1 141.1#
77 56.5 70.7 110.7#



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





#33

4-Chloroaniline

Concen: 3.014 ng

RT: 8.31 min Scan# 1016

Delta R.T. -0.01 min

Lab File: BF106326.D

Acq: 12 Jun 2018 6:23

Instrument :

BNA_F

ClientSampleId :

MW-05

Tgt Ion:127 Resp: 33742

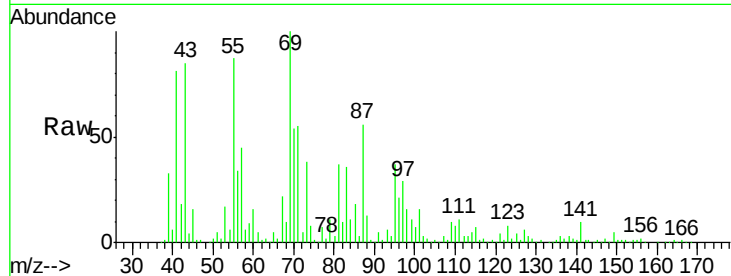
Ion Ratio Lower Upper

127 100

129 25.7 25.9 38.9#

65 77.6 25.0 37.4#

92 12.1 15.2 22.8#

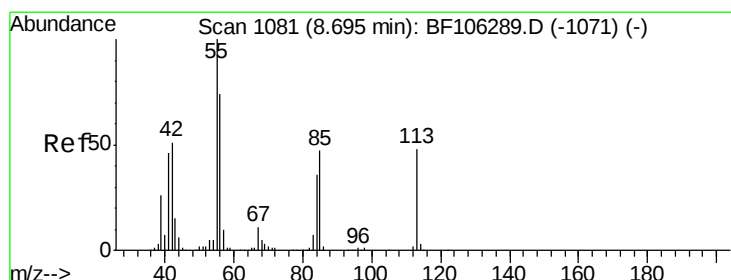
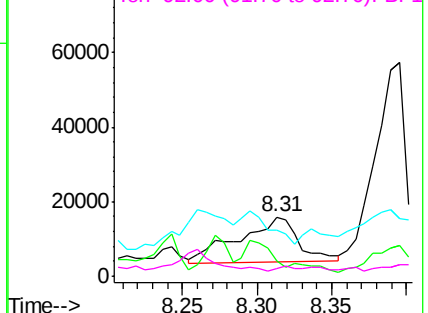
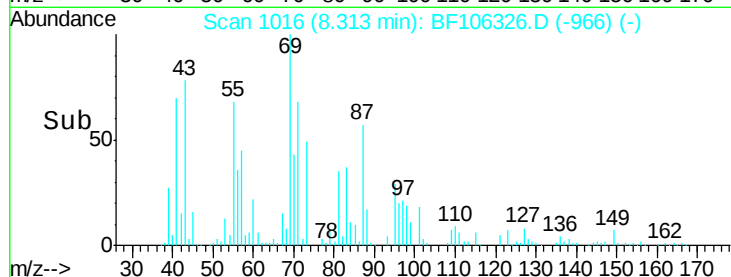


Abundance Ion 127.00 (126.70 to 127.70): E

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



#35

Caprolactam

Concen: 4.564 ng

RT: 8.72 min Scan# 1085

Delta R.T. 0.02 min

Lab File: BF106326.D

Acq: 12 Jun 2018 6:23

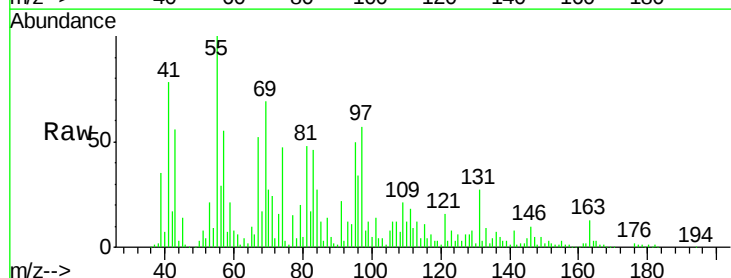
Tgt Ion:113 Resp: 11696

Ion Ratio Lower Upper

113 100

55 847.4 163.3 203.3#

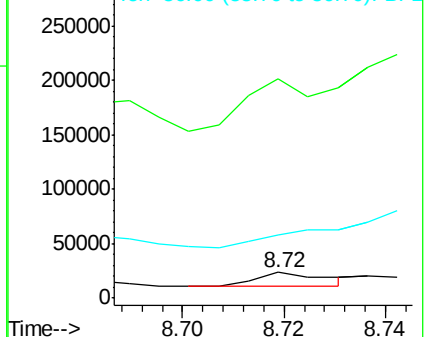
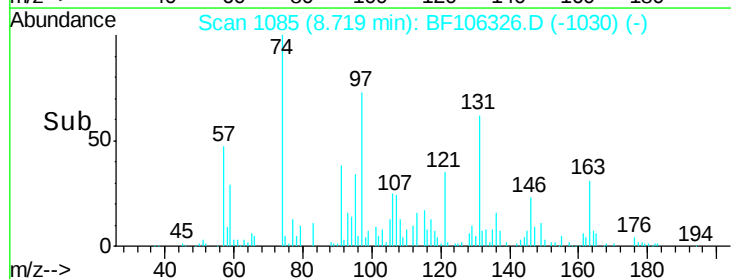
56 243.4 115.7 155.7#

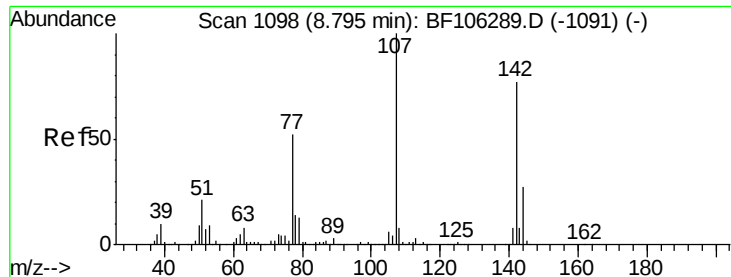


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1

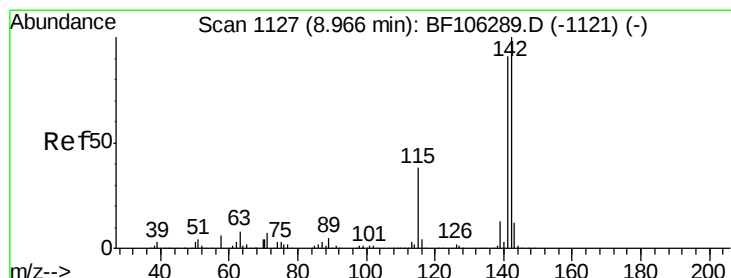
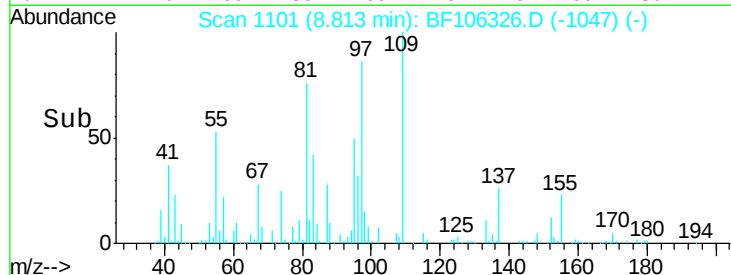
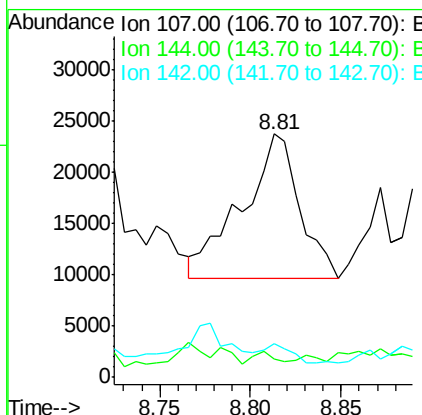
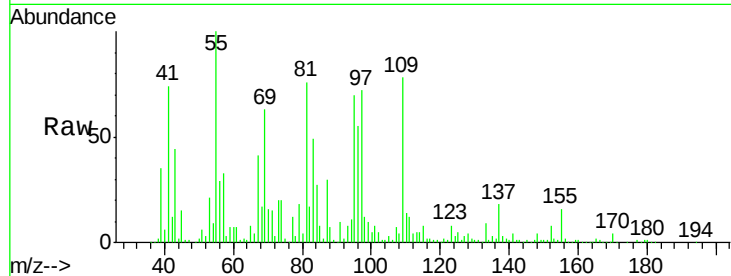




#36
 4-Chloro-3-methylphenol
 Concen: 3.722 ng
 RT: 8.81 min Scan# 1101
 Delta R.T. 0.02 min
 Lab File: BF106326.D
 Acq: 12 Jun 2018 6:23

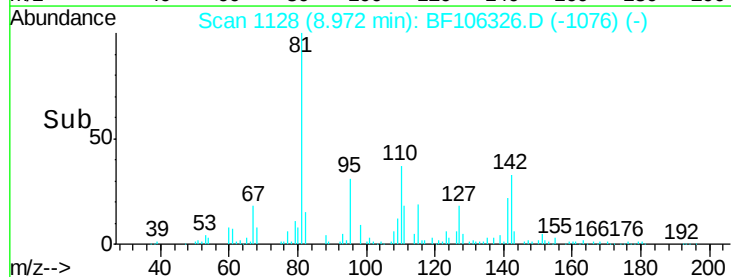
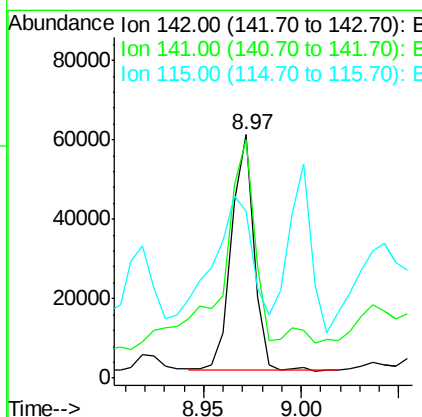
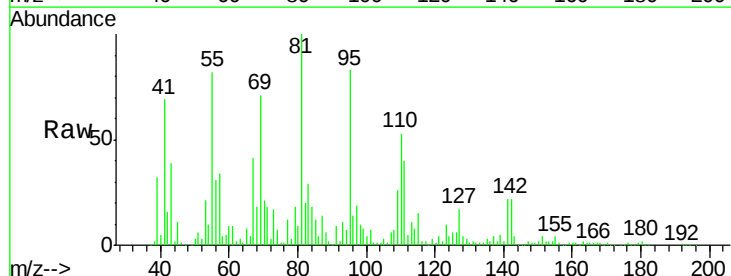
Instrument :
 BNA_F
 ClientSampleId :
 MW-05

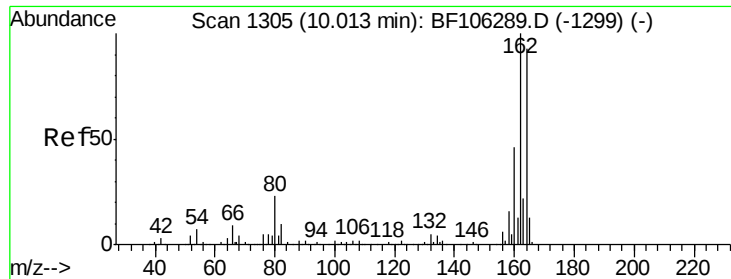
Tgt Ion:107 Resp: 31199
 Ion Ratio Lower Upper
 107 100
 144 7.3 20.5 30.7#
 142 13.9 62.0 93.0#



#37
 2-Methylnaphthalene
 Concen: 2.746 ng
 RT: 8.97 min Scan# 1128
 Delta R.T. 0.01 min
 Lab File: BF106326.D
 Acq: 12 Jun 2018 6:23

Tgt Ion:142 Resp: 47236
 Ion Ratio Lower Upper
 142 100
 141 98.2 70.8 106.2
 115 68.3 26.1 39.1#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.02 min Scan# 1306

Delta R.T. 0.01 min

Lab File: BF106326.D

Acq: 12 Jun 2018 6:23

Instrument :

BNA_F

ClientSampleId :

MW-05

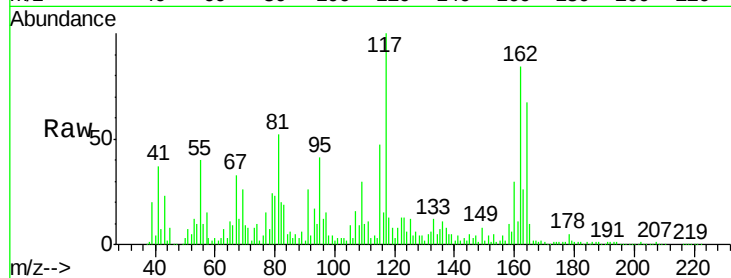
Tgt Ion:164 Resp: 317052

Ion Ratio Lower Upper

164 100

162 125.0 86.1 129.1

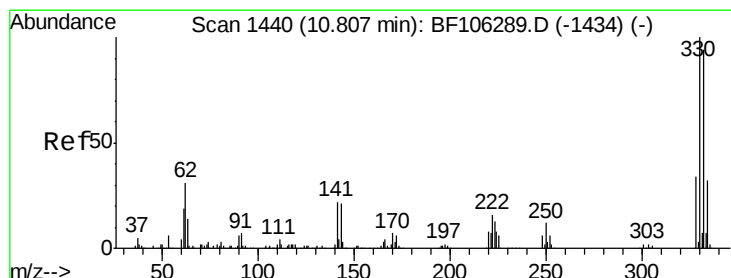
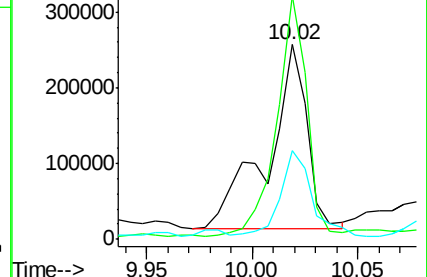
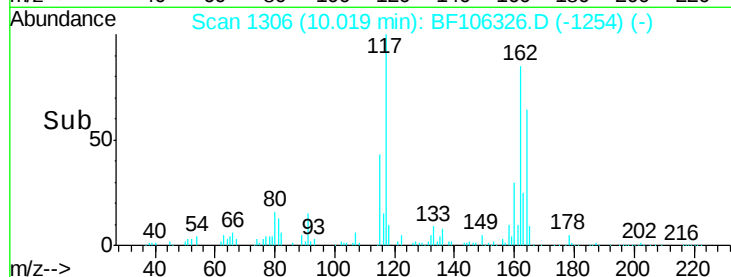
160 45.5 38.3 57.5



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: 93.874 ng

RT: 10.82 min Scan# 1442

Delta R.T. 0.01 min

Lab File: BF106326.D

Acq: 12 Jun 2018 6:23

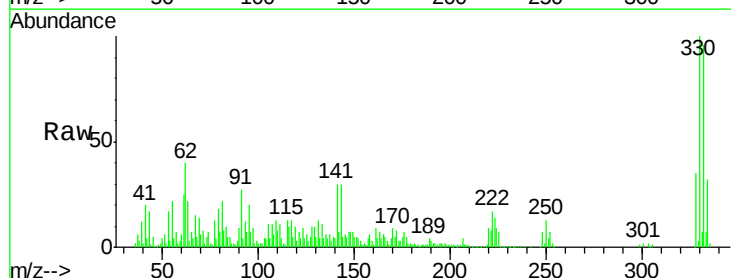
Tgt Ion:330 Resp: 286372

Ion Ratio Lower Upper

330 100

332 96.4 77.0 115.6

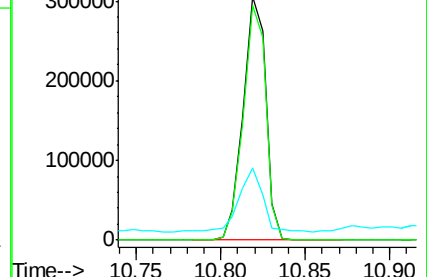
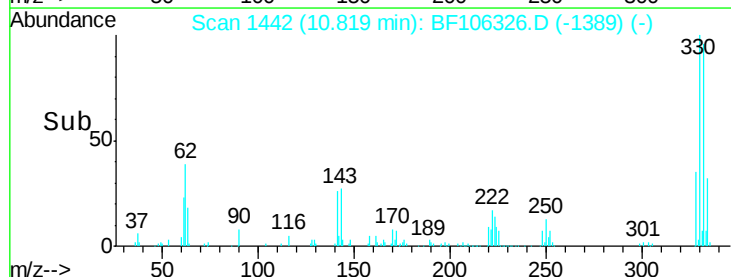
141 28.5 29.9 44.9#

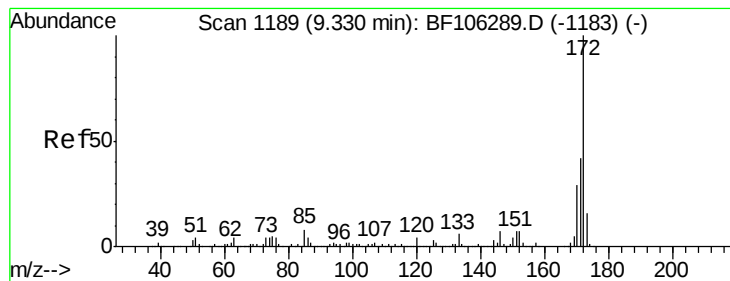


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

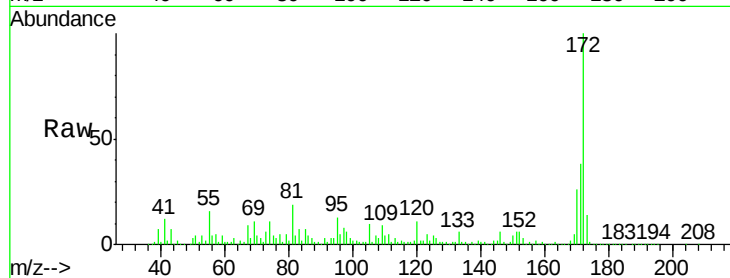




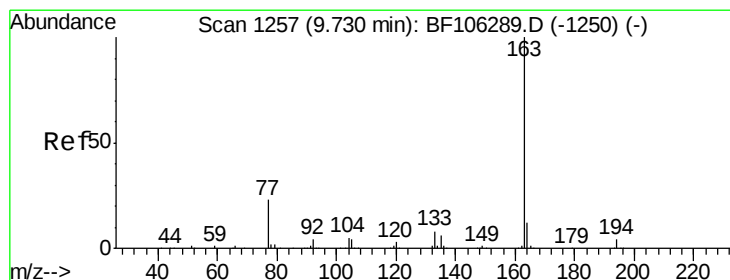
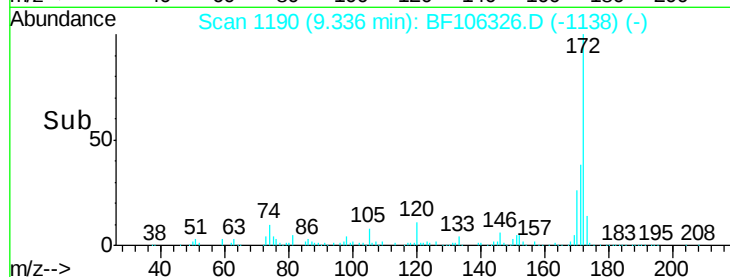
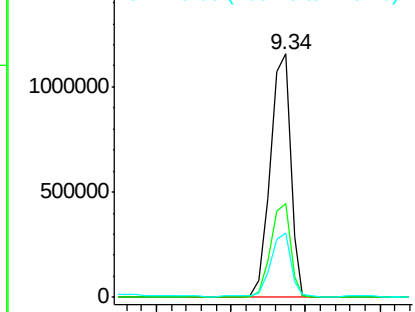
#44
2-Fluorobiphenyl
Concen: 53.683 ng
RT: 9.34 min Scan# 1190
Delta R.T. 0.01 min
Lab File: BF106326.D
Acq: 12 Jun 2018 6:23

Instrument :
BNA_F
ClientSampleId :
MW-05

Tgt Ion:172 Resp: 1091757
Ion Ratio Lower Upper
172 100
171 38.4 29.7 44.5
170 26.2 19.6 29.4

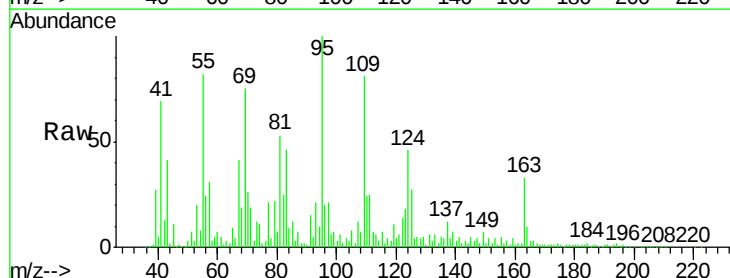


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

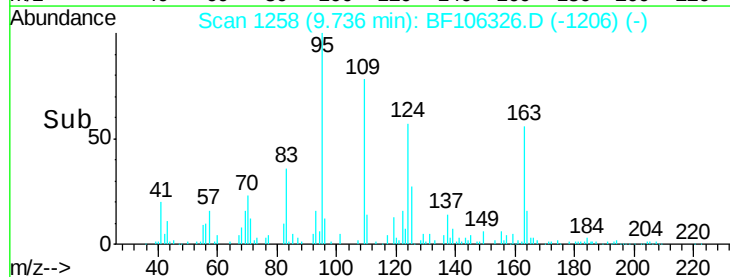
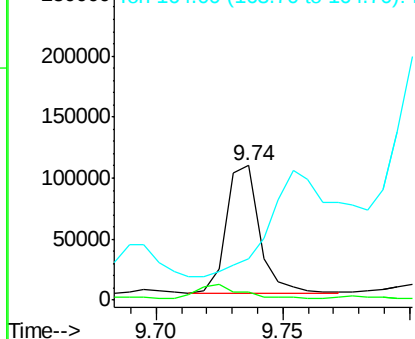


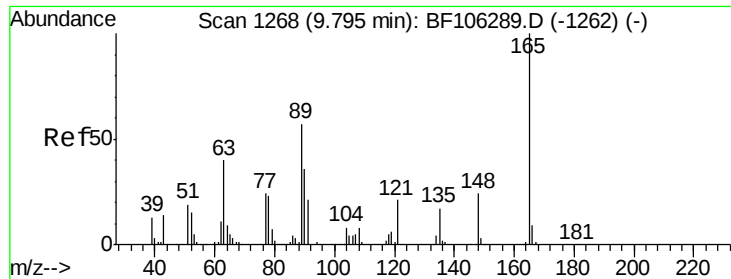
#49
Dimethylphthalate
Concen: 4.174 ng
RT: 9.74 min Scan# 1258
Delta R.T. 0.01 min
Lab File: BF106326.D
Acq: 12 Jun 2018 6:23

Tgt Ion:163 Resp: 94558
Ion Ratio Lower Upper
163 100
194 5.7 2.7 4.1#
164 31.1 8.2 12.2#



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

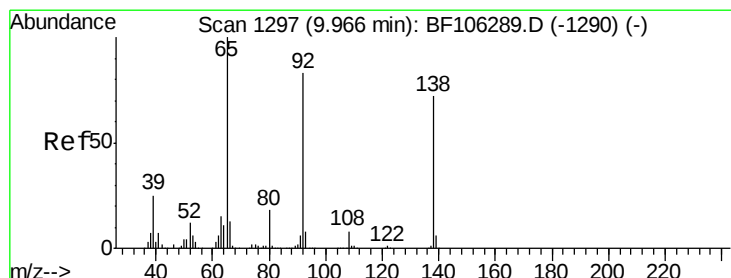
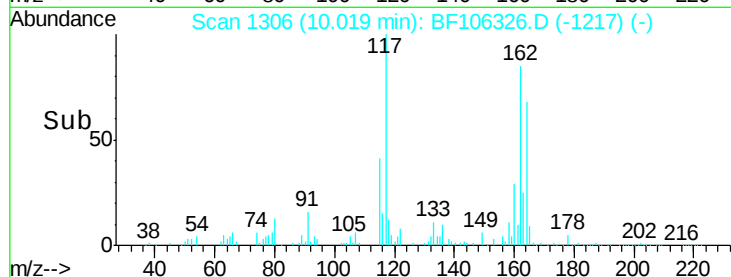
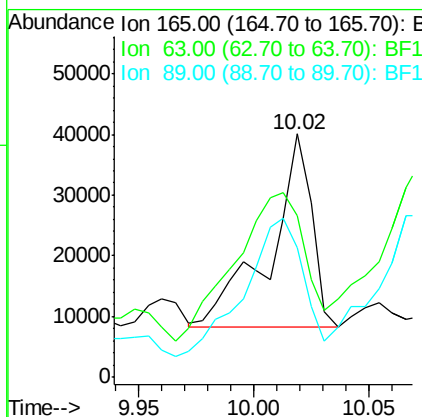
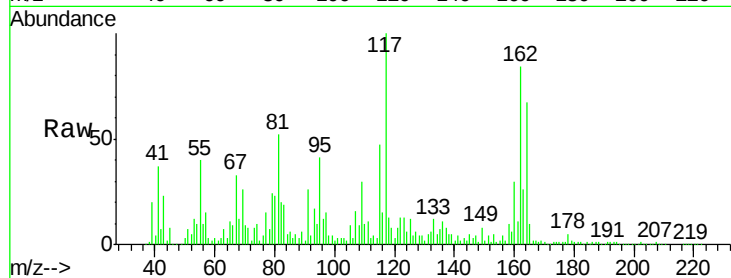




#50
 2,6-Dinitrotoluene
 Concen: 8.660 ng
 RT: 10.02 min Scan# 1306
 Delta R.T. 0.22 min
 Lab File: BF106326.D
 Acq: 12 Jun 2018 6:23

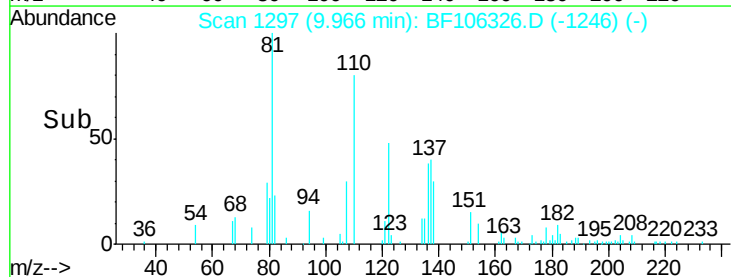
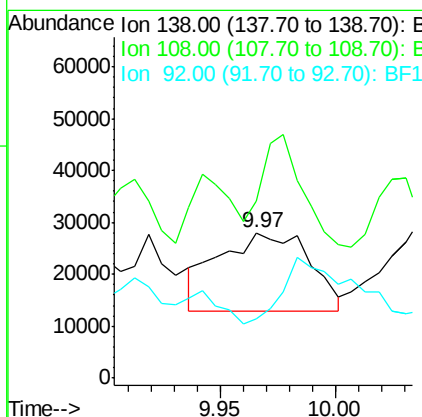
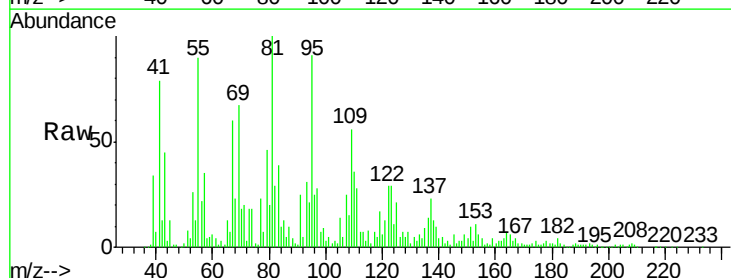
Instrument :
 BNA_F
 ClientSampleId :
 MW-05

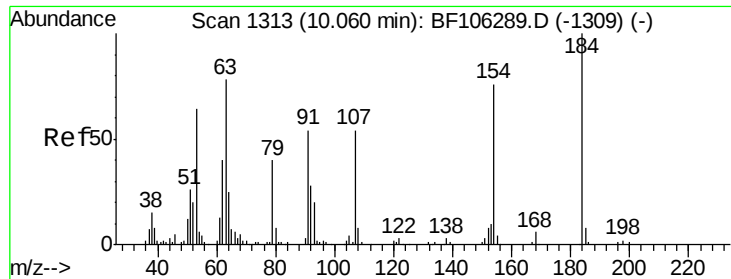
Tgt Ion:165 Resp: 40068
 Ion Ratio Lower Upper
 165 100
 63 66.4 44.7 67.1
 89 53.2 44.0 66.0



#52
 3-Nitroaniline
 Concen: 7.526 ng
 RT: 9.97 min Scan# 1297
 Delta R.T. 0.00 min
 Lab File: BF106326.D
 Acq: 12 Jun 2018 6:23

Tgt Ion:138 Resp: 41333
 Ion Ratio Lower Upper
 138 100
 108 121.6 9.4 14.0#
 92 40.9 89.4 134.2#

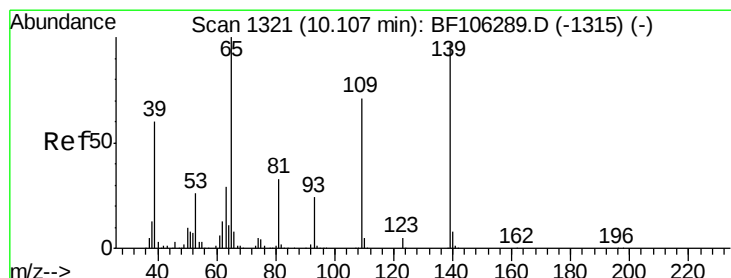
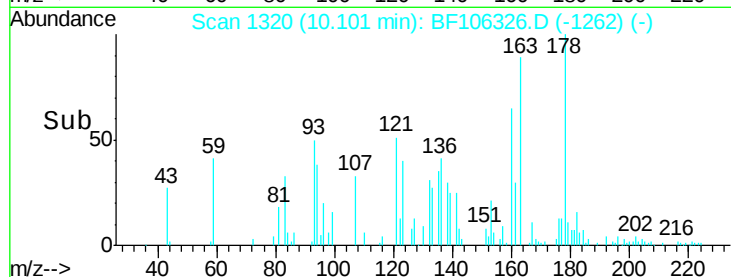
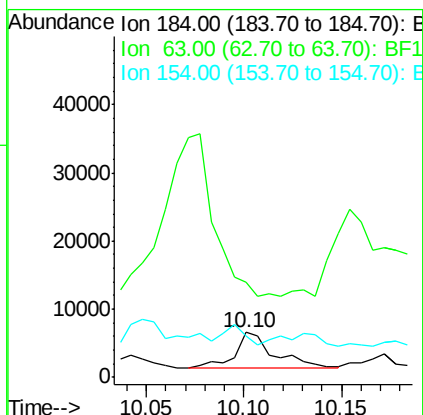
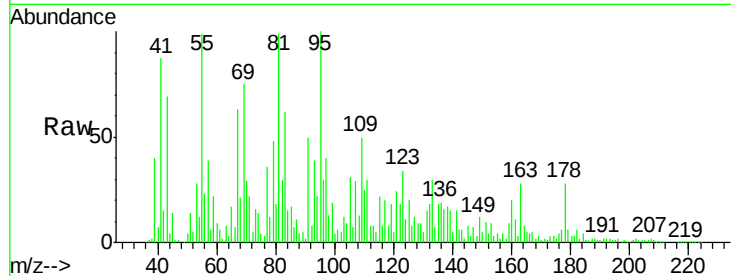




#53
 2,4-Dinitrophenol
 Concen: 11.808 ng
 RT: 10.10 min Scan# 1320
 Delta R.T. 0.04 min
 Lab File: BF106326.D
 Acq: 12 Jun 2018 6:23

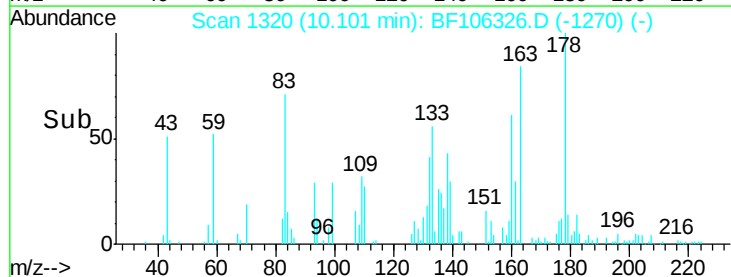
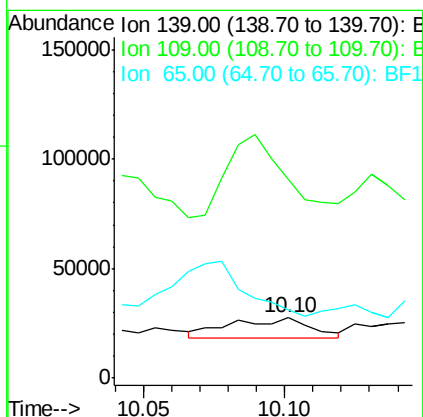
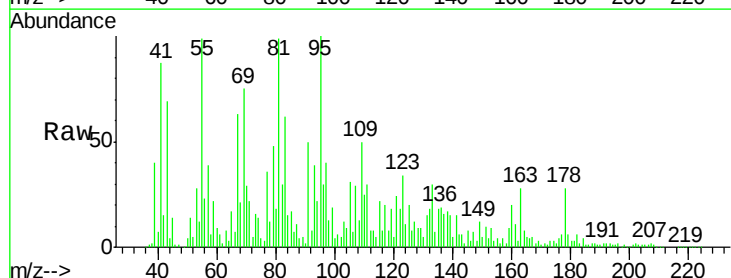
Instrument :
 BNA_F
 ClientSampleId :
 MW-05

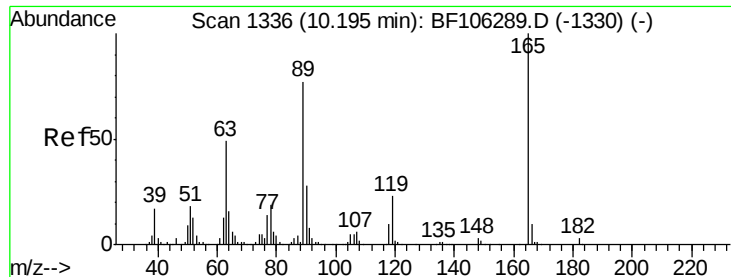
Tgt Ion:184 Resp: 7604
 Ion Ratio Lower Upper
 184 100
 63 210.1 54.2 81.2#
 154 90.5 184.0 276.0#



#55
 4-Nitrophenol
 Concen: 4.180 ng
 RT: 10.10 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: BF106326.D
 Acq: 12 Jun 2018 6:23

Tgt Ion:139 Resp: 17593
 Ion Ratio Lower Upper
 139 100
 109 330.9 48.4 88.4#
 65 113.9 72.6 112.6#

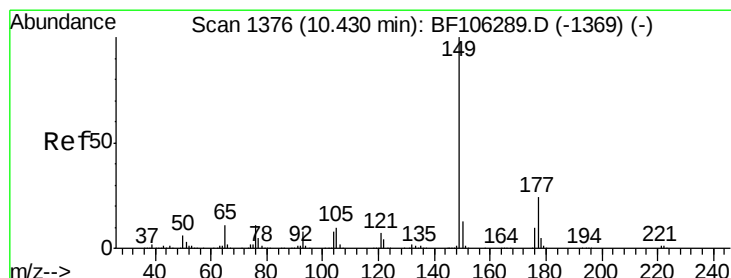
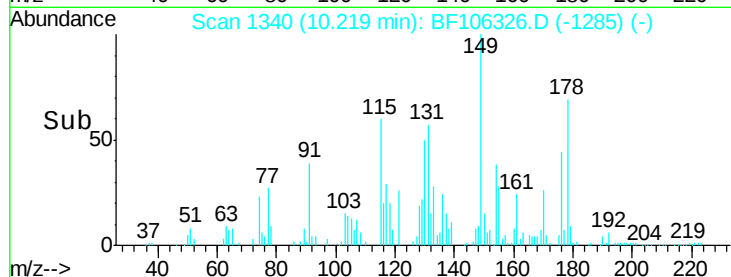
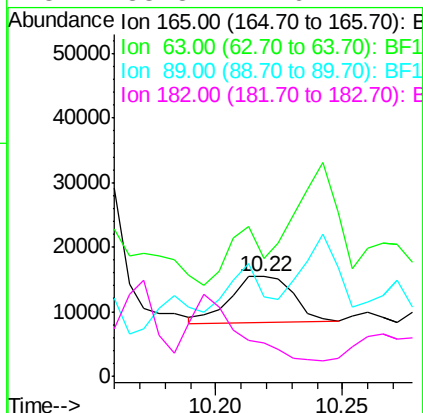
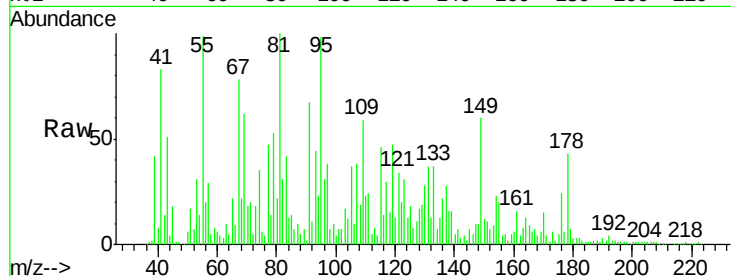




#56
 2,4-Dinitrotoluene
 Concen: 2.112 ng
 RT: 10.22 min Scan# 1340
 Delta R.T. 0.02 min
 Lab File: BF106326.D
 Acq: 12 Jun 2018 6:23

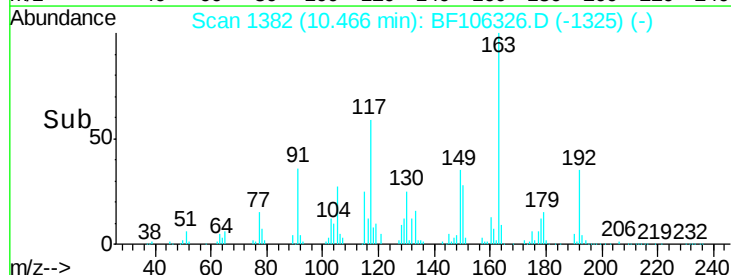
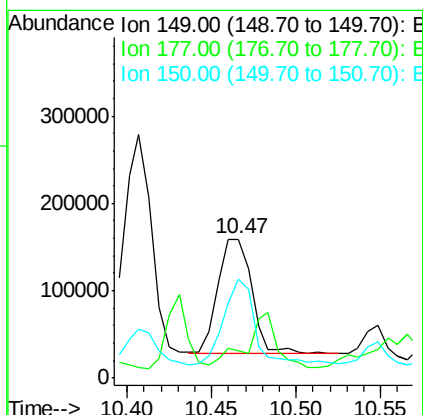
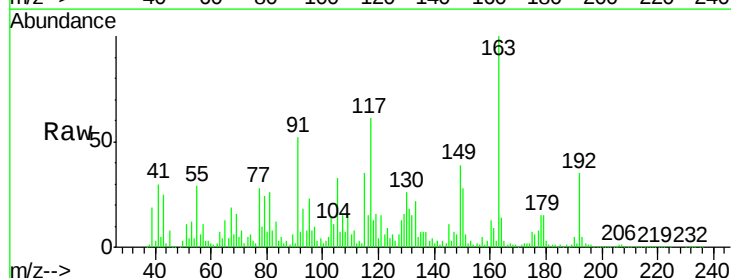
Instrument :
 BNA_F
 ClientSampleId :
 MW-05

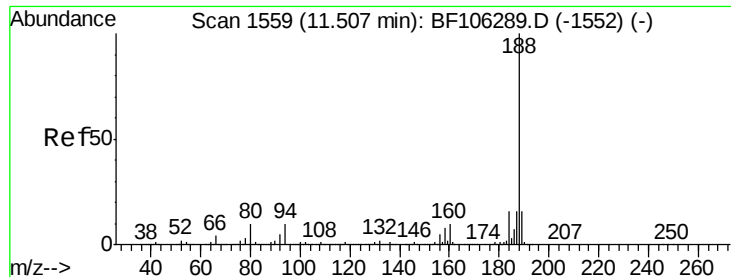
Tgt Ion:165 Resp: 12273
 Ion Ratio Lower Upper
 165 100
 63 118.1 36.4 54.6#
 89 80.2 57.8 86.6
 182 33.8 1.6 2.4#



#59
 Diethylphthalate
 Concen: 8.242 ng
 RT: 10.47 min Scan# 1382
 Delta R.T. 0.04 min
 Lab File: BF106326.D
 Acq: 12 Jun 2018 6:23

Tgt Ion:149 Resp: 185296
 Ion Ratio Lower Upper
 149 100
 177 19.7 16.1 24.1
 150 71.6 10.1 15.1#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.52 min Scan# 1561

Delta R.T. 0.01 min

Lab File: BF106326.D

Acq: 12 Jun 2018 6:23

Instrument :

BNA_F

ClientSampled :

MW-05

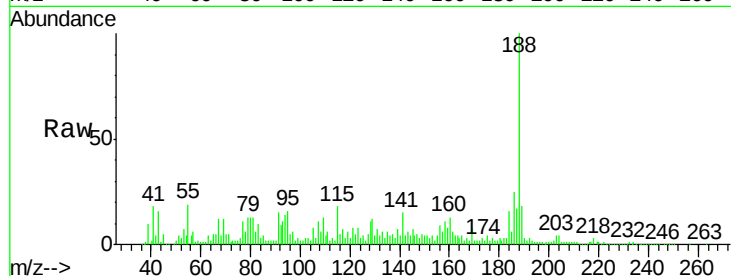
Tgt Ion:188 Resp: 370151

Ion Ratio Lower Upper

188 100

94 13.6 8.5 12.7#

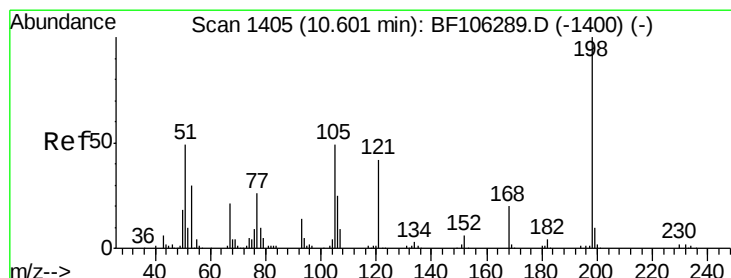
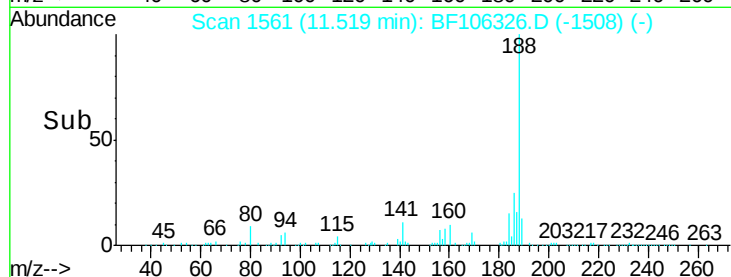
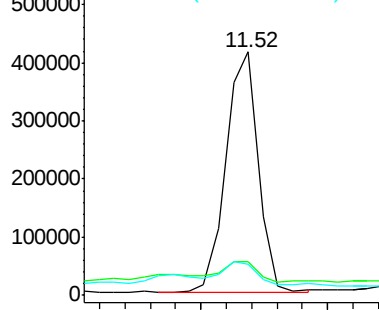
80 13.0 9.2 13.8



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



#64

4,6-Dinitro-2-methylphenol

Concen: 8.949 ng

RT: 10.63 min Scan# 1410

Delta R.T. 0.03 min

Lab File: BF106326.D

Acq: 12 Jun 2018 6:23

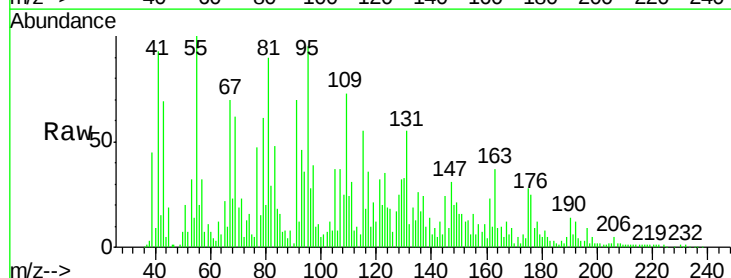
Tgt Ion:198 Resp: 6099

Ion Ratio Lower Upper

198 100

51 378.0 37.7 77.7#

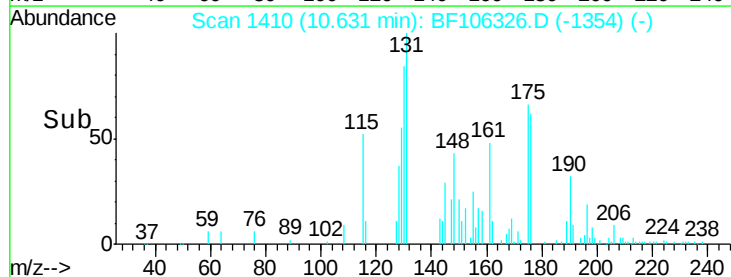
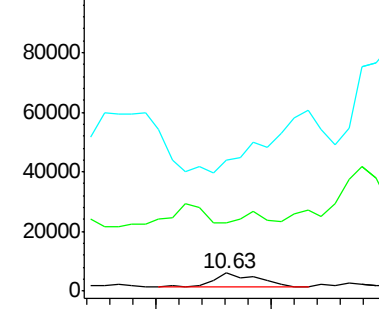
105 721.0 36.3 76.3#

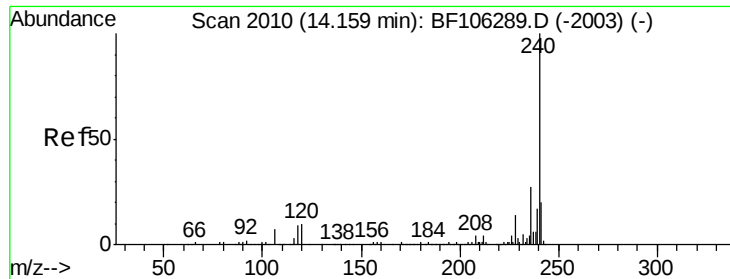


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF106326.D

Acq: 12 Jun 2018 6:23

Instrument :

BNA_F

ClientSampleId :

MW-05

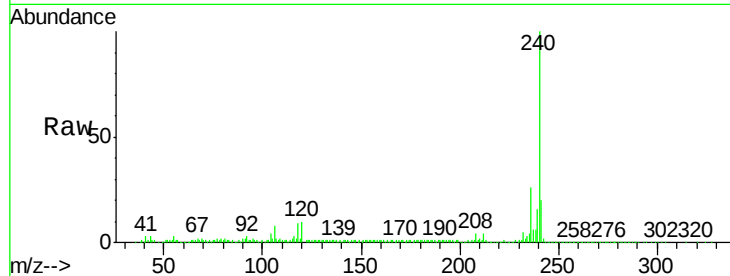
Tgt Ion:240 Resp: 483350

Ion Ratio Lower Upper

240 100

120 10.5 9.5 14.3

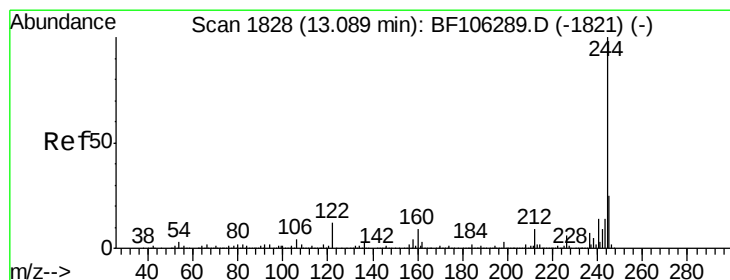
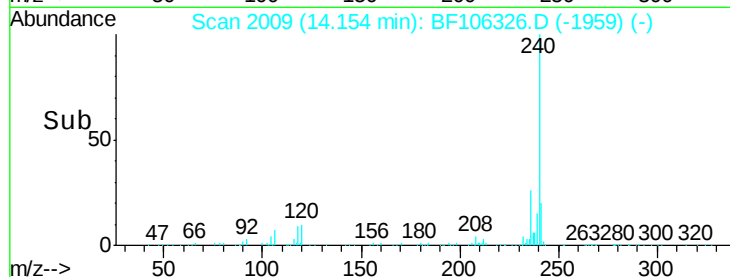
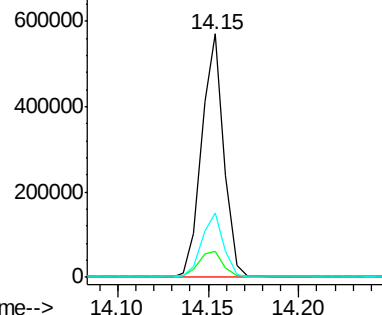
236 26.3 20.7 31.1



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



#78

Terphenyl-d14

Concen: 50.685 ng

RT: 13.10 min Scan# 1829

Delta R.T. 0.01 min

Lab File: BF106326.D

Acq: 12 Jun 2018 6:23

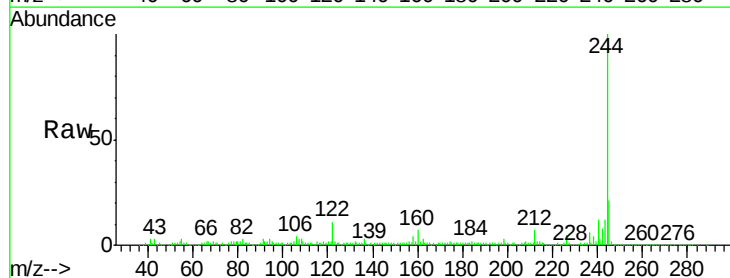
Tgt Ion:244 Resp: 986345

Ion Ratio Lower Upper

244 100

212 7.5 5.4 8.0

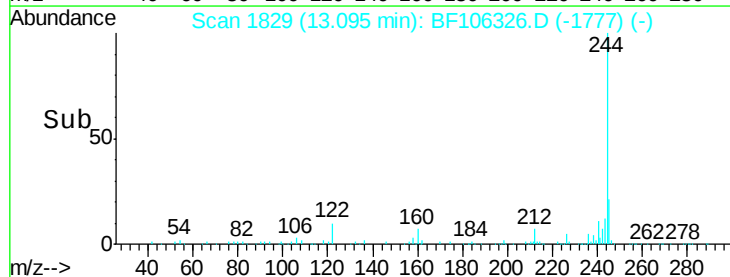
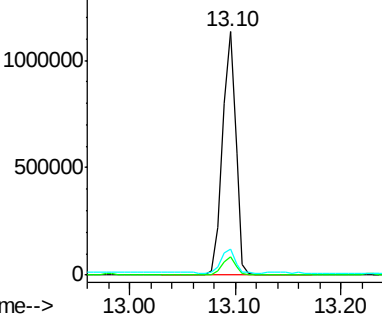
122 10.8 11.0 16.4#

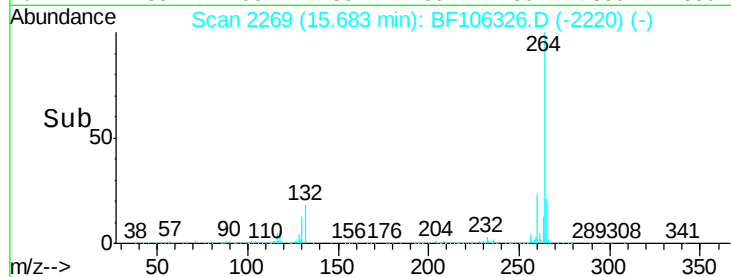
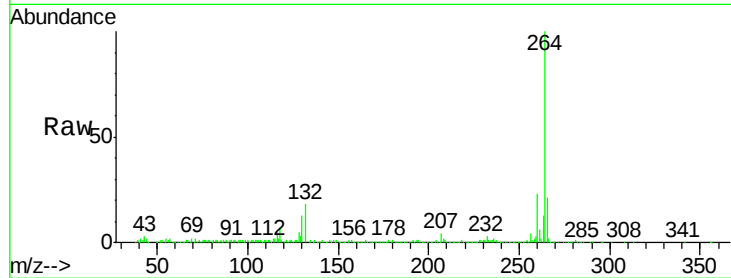
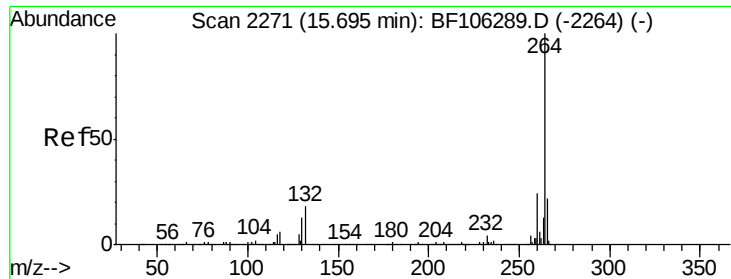


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.68 min Scan# 2269

Delta R.T. -0.01 min

Lab File: BF106326.D

Acq: 12 Jun 2018 6:23

Instrument :

BNA_F

ClientSampleId :

MW-05

Tgt Ion:264 Resp: 368892

Ion Ratio Lower Upper

264 100

260 23.4 19.2 28.8

265 21.0 17.5 26.3

