

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031817\
 Data File : BF093754.D
 Acq On : 18 Mar 2017 15:22
 Operator : SJ/MA
 Sample : I2213-01
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-1

Quant Time: Mar 20 01:08:22 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 18 05:21:29 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	221753	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	830469	20.00	ng	-0.01
38) Acenaphthene-d10	9.89	164	384896	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	648506	20.00	ng	0.00
75) Chrysene-d12	13.99	240	597397	20.00	ng	-0.01
86) Perylene-d12	15.40	264	421605	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	772704	58.09	ng	0.00
7) Phenol-d6	6.47	99	679772	41.23	ng	-0.01
23) Nitrobenzene-d5	7.41	82	1205572	87.13	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	395349	156.95	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	2051064	100.56	ng	0.00
78) Terphenyl-d14	12.95	244	1541063	55.52	ng	0.00

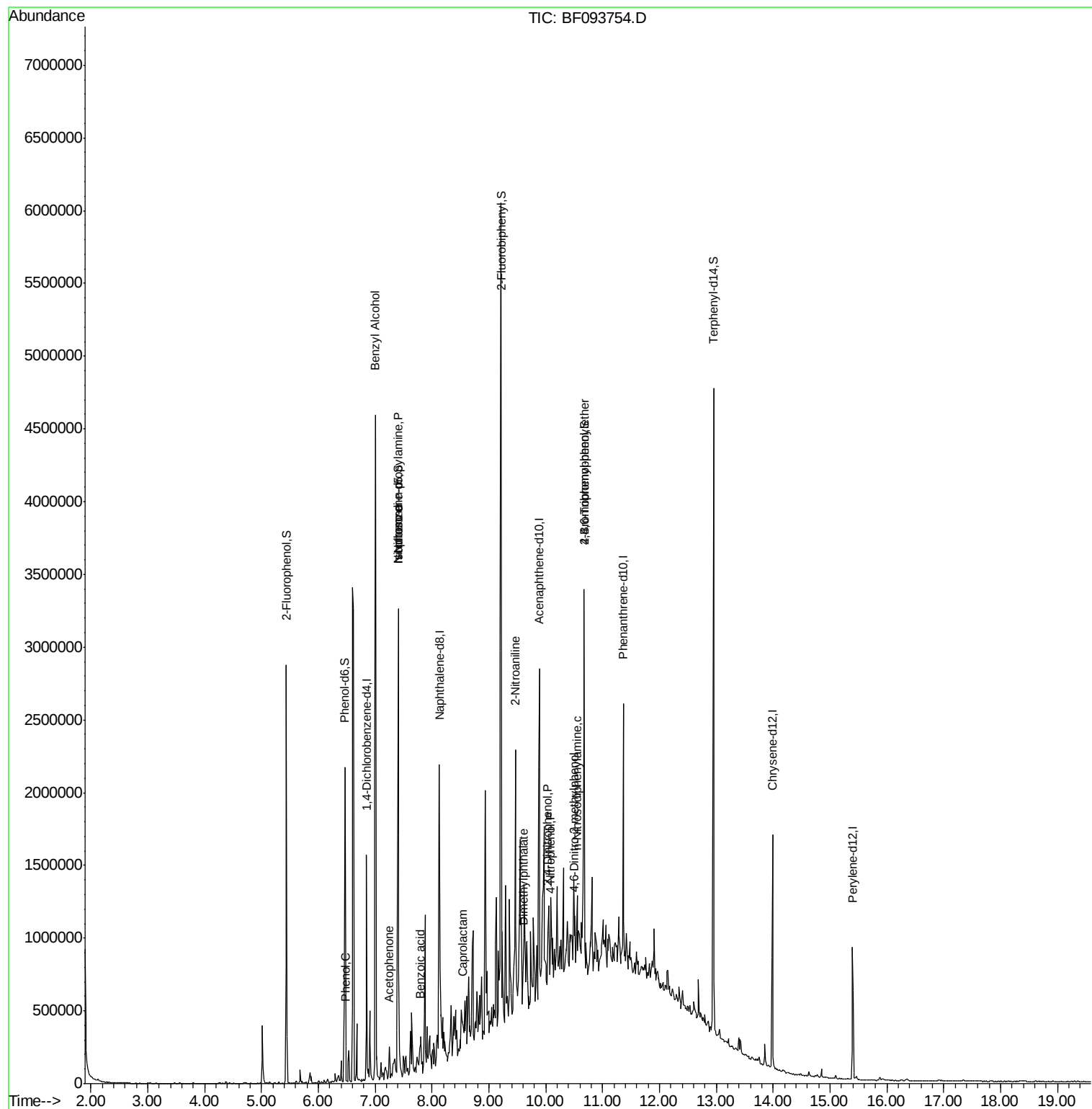
Target Compounds				Qvalue		
9) Benzaldehyde	6.40	77	7106	Below Cal	#	1
10) Phenol	6.48	94	50724	2.63	ng	88
15) Benzyl Alcohol	7.01	79	24733	2.00	ng	42
19) n-Nitroso-di-n-propylamine	7.41	70	168255	15.37	ng	81
22) Acetophenone	7.25	105	52218	2.82	ng	58
25) Isophorone	7.41	82	1172697	44.03	ng	67
32) Benzoic acid	7.80	122	7929	4.77	ng	88
35) Caprolactam	8.54	113	33318	8.91	ng	59
47) 2-Nitroaniline	9.46	65	43531	6.95	ng	26
49) Dimethylphthalate	9.60	163	57610	2.29	ng	95
53) 2,4-Dinitrophenol	10.04	184	1013	4.09	ng	1
55) 4-Nitrophenol	10.08	139	12660	2.60	ng	93
64) 4,6-Dinitro-2-methylphenol	10.50	198	1480	4.32	ng	1
65) n-Nitrosodiphenylamine	10.55	169	50903	2.33	ng	46
66) 4-Bromophenyl-phenylether	10.68	248	28976	4.73	ng	1

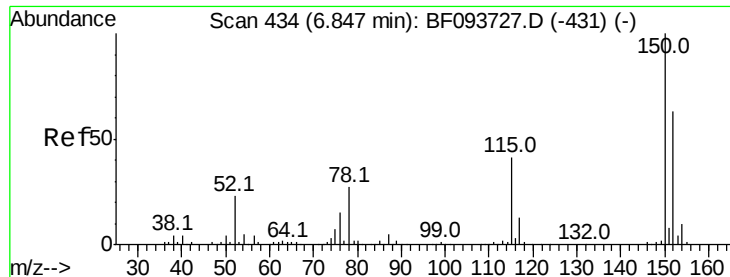
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 434

Delta R.T. 0.00 min

Lab File: BF093754.D

Acq: 18 Mar 2017 15:22

Instrument :

BNA_F

ClientSampled :

MW-1

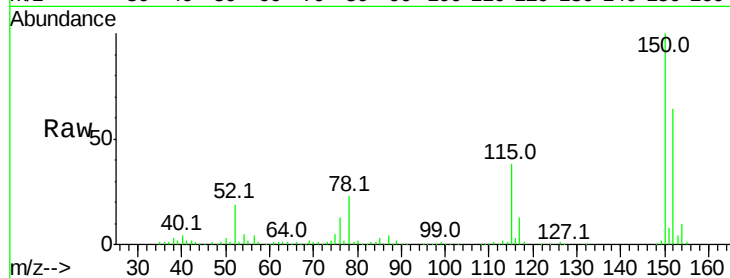
Tot Ion:152 Resp: 221753

Ion Ratio Lower Upper

152 100

150 156.3 126.2 189.2

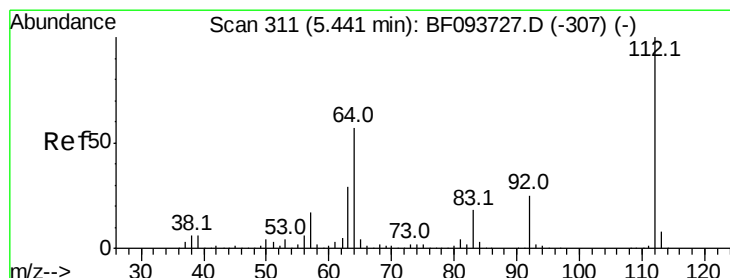
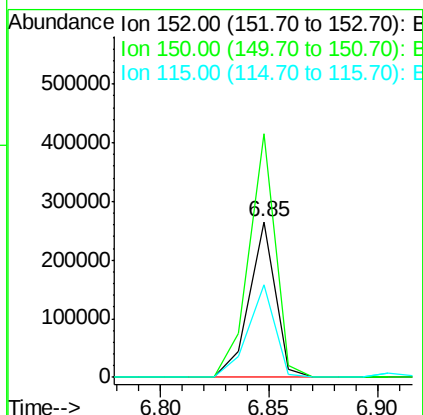
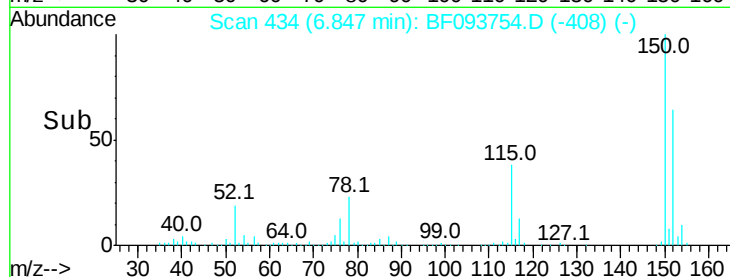
115 59.8 52.2 78.2



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: 58.09 ng

RT: 5.44 min Scan# 311

Delta R.T. 0.00 min

Lab File: BF093754.D

Acq: 18 Mar 2017 15:22

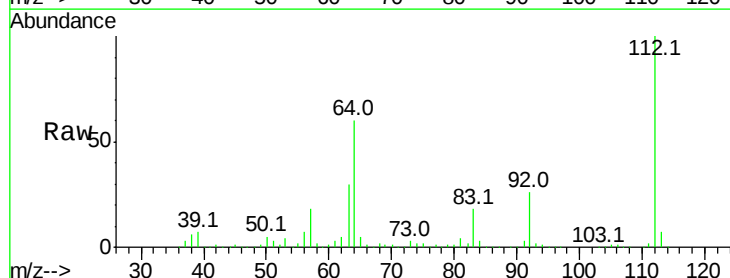
Tgt Ion:112 Resp: 772704

Ion Ratio Lower Upper

112 100

64 59.6 46.0 69.0

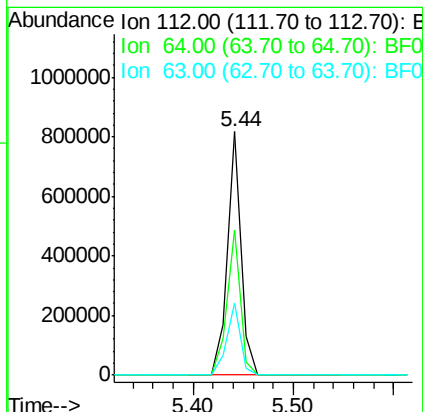
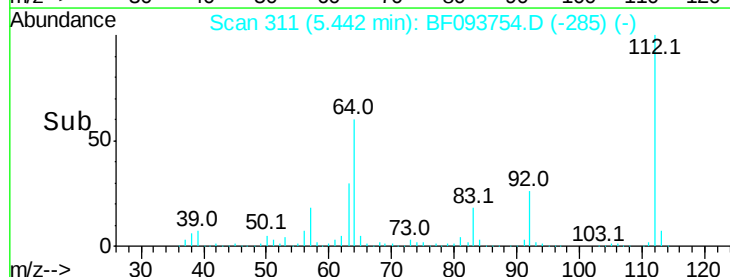
63 29.8 23.4 35.0

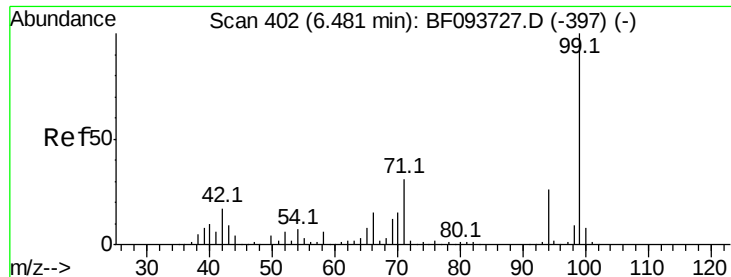


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 41.23 ng

RT: 6.47 min Scan# 401

Delta R.T. -0.01 min

Lab File: BF093754.D

Acq: 18 Mar 2017 15:22

Instrument :

BNA_F

ClientSampled :

MW-1

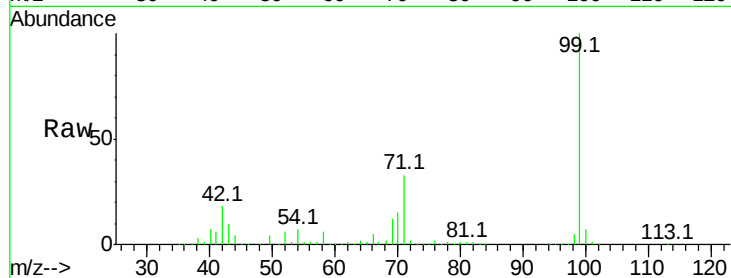
Tot Ion: 99 Resp: 679772

Ion Ratio Lower Upper

99 100

42 18.2 13.5 20.3

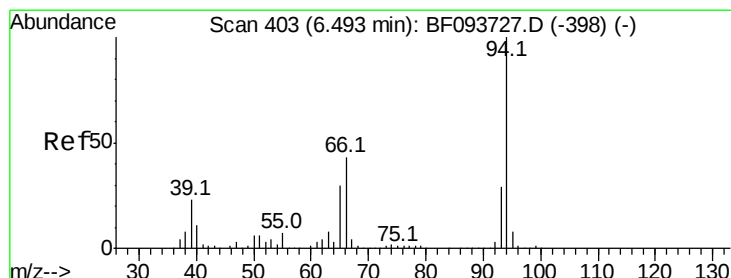
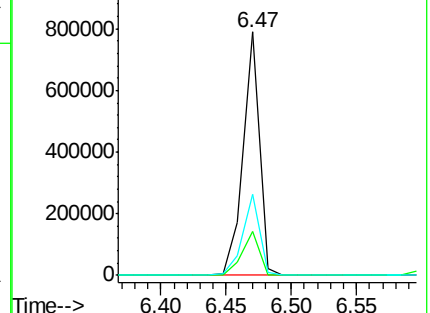
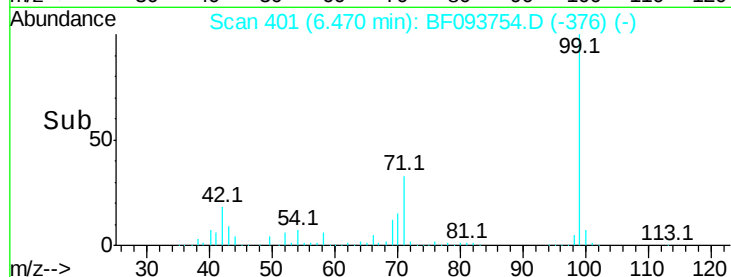
71 33.3 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.63 ng

RT: 6.48 min Scan# 402

Delta R.T. -0.01 min

Lab File: BF093754.D

Acq: 18 Mar 2017 15:22

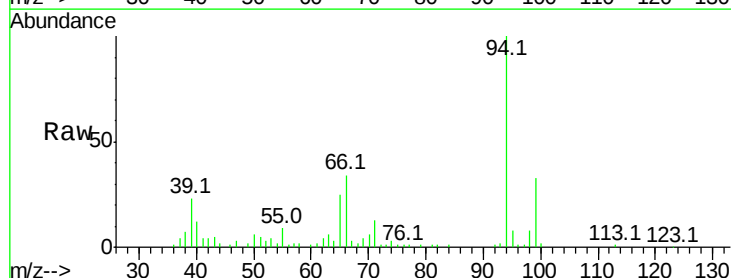
Tgt Ion: 94 Resp: 50724

Ion Ratio Lower Upper

94 100

65 24.7 9.9 49.9

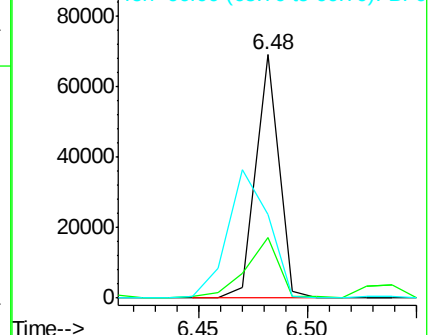
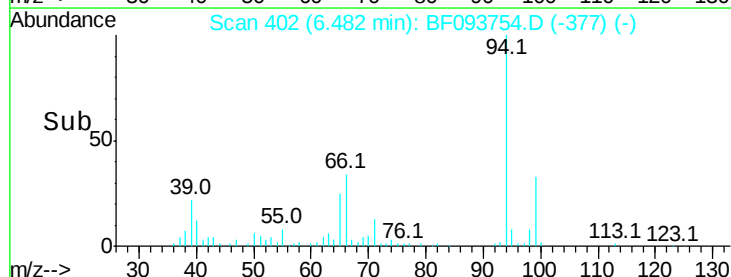
66 34.4 23.1 63.1

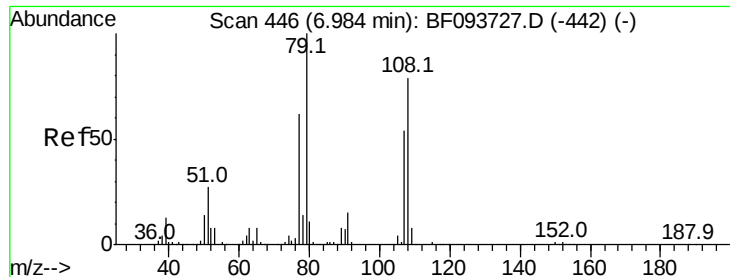


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#15

Benzyl Alcohol

Concen: 2.00 ng

RT: 7.01 min Scan# 448

Delta R.T. 0.02 min

Lab File: BF093754.D

Acq: 18 Mar 2017 15:22

Instrument :

BNA_F

ClientSampleId :

MW-1

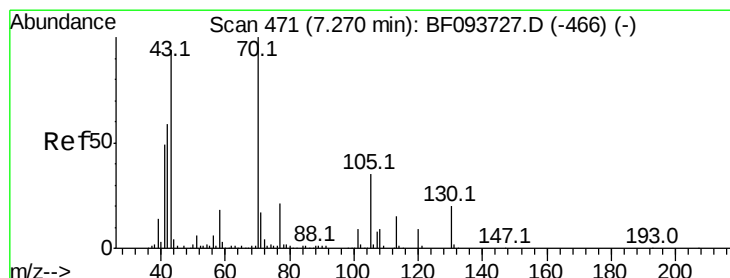
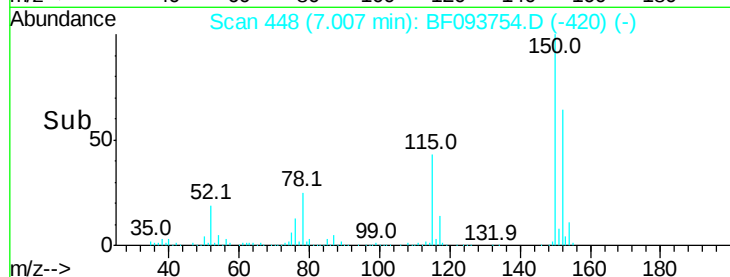
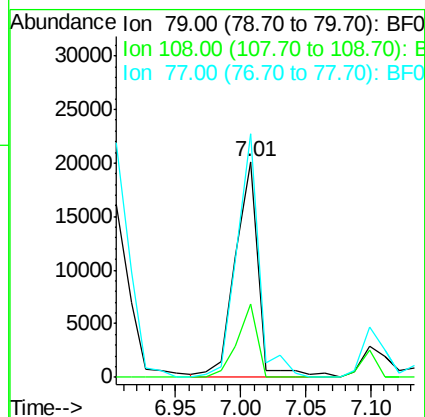
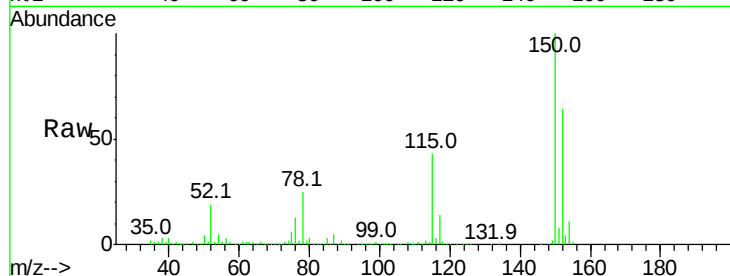
Tot Ion: 79 Resp: 24733

Ion Ratio Lower Upper

79 100

108 34.3 63.4 95.0#

77 112.9 49.2 73.8#



#19

n-Nitroso-di-n-propylamine

Concen: 15.37 ng

RT: 7.41 min Scan# 483

Delta R.T. 0.14 min

Lab File: BF093754.D

Acq: 18 Mar 2017 15:22

Tgt Ion: 70 Resp: 168255

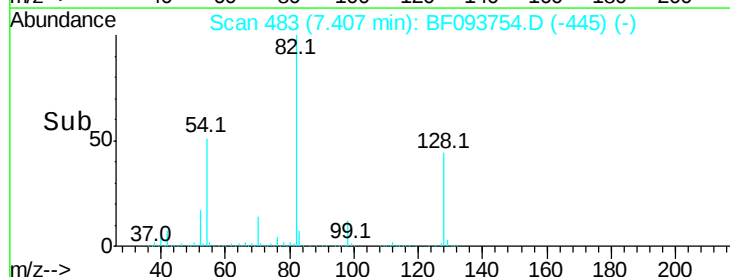
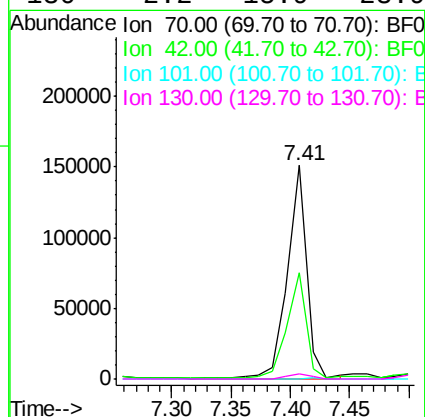
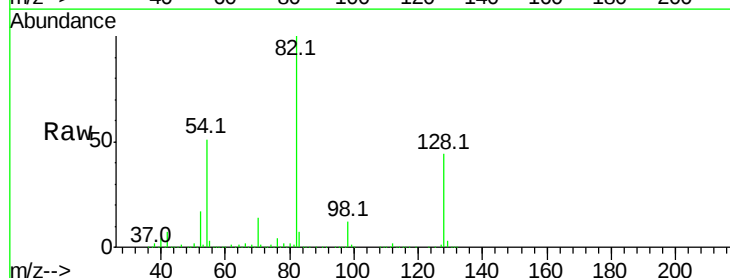
Ion Ratio Lower Upper

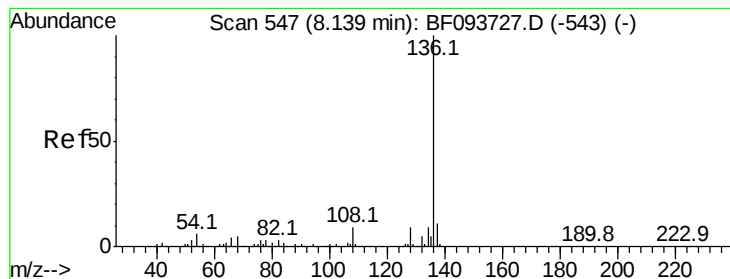
70 100

42 50.0 47.2 70.8

101 0.0 7.2 10.8#

130 2.2 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.13 min Scan# 546

Delta R.T. -0.01 min

Lab File: BF093754.D

Acq: 18 Mar 2017 15:22

Instrument :

BNA_F

ClientSampleId :

MW-1

Tot Ion:136 Resp: 830469

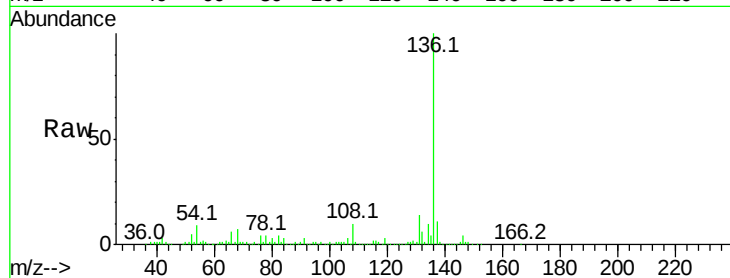
Ion Ratio Lower Upper

136 100

137 11.3 8.5 12.7

54 9.3 4.9 7.3#

68 7.3 4.1 6.1#

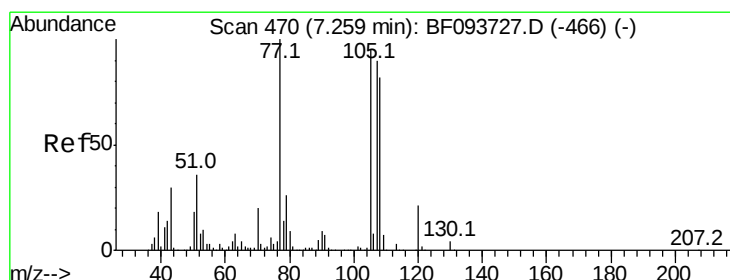
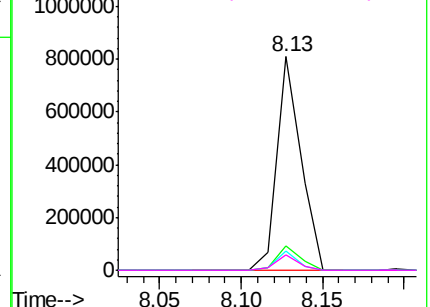
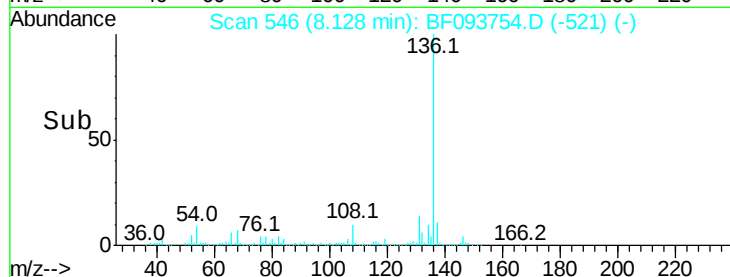


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 2.82 ng

RT: 7.25 min Scan# 469

Delta R.T. -0.01 min

Lab File: BF093754.D

Acq: 18 Mar 2017 15:22

Tgt Ion:105 Resp: 52218

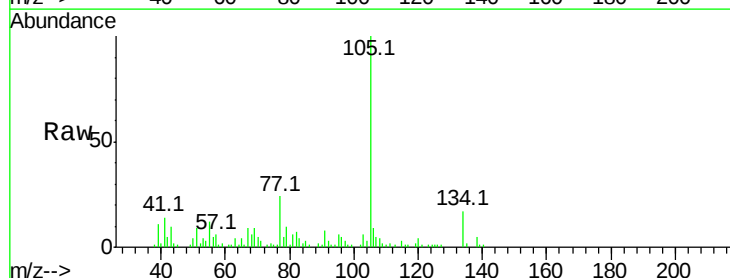
Ion Ratio Lower Upper

105 100

71 3.1 2.8 4.2

51 9.3 30.7 46.1#

120 3.7 17.4 26.0#

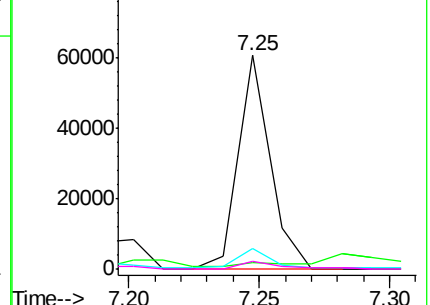
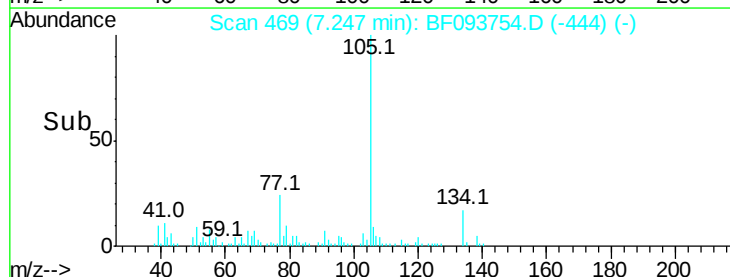


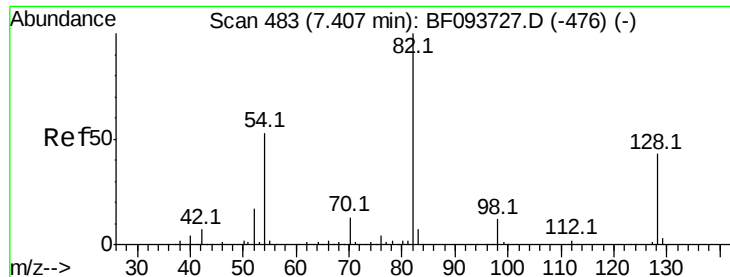
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



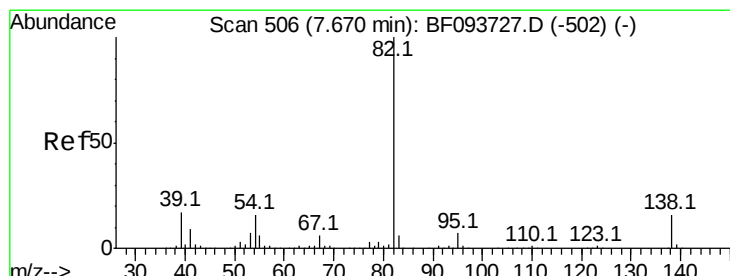
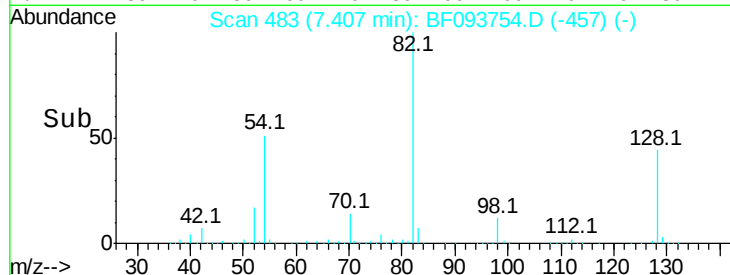
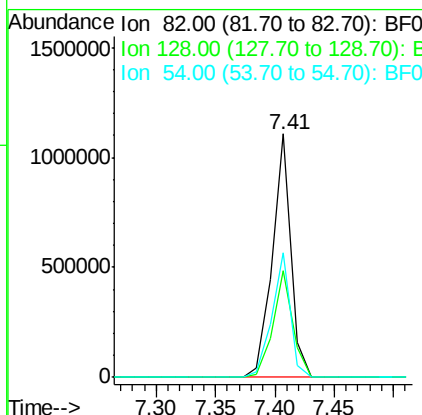
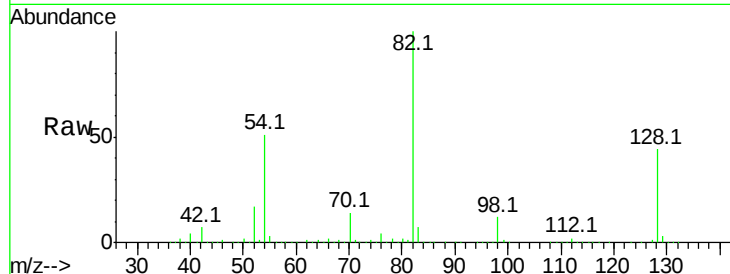


#23
 Nitrobenzene-d5
 Concen: 87.13 ng
 RT: 7.41 min Scan# 483
 Delta R.T. 0.00 min
 Lab File: BF093754.D
 Acq: 18 Mar 2017 15:22

Instrument :
 BNA_F
 ClientSampled :
 MW-1

Tot Ion: 82 Resp: 1205572

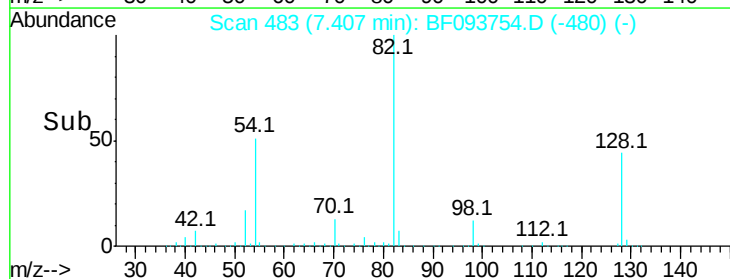
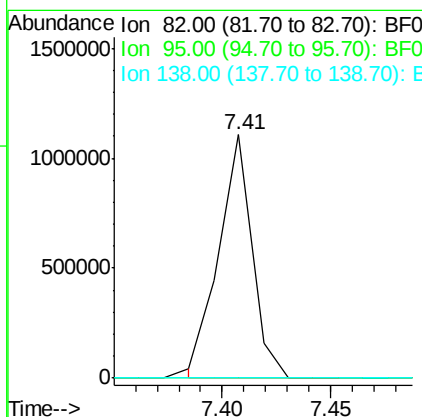
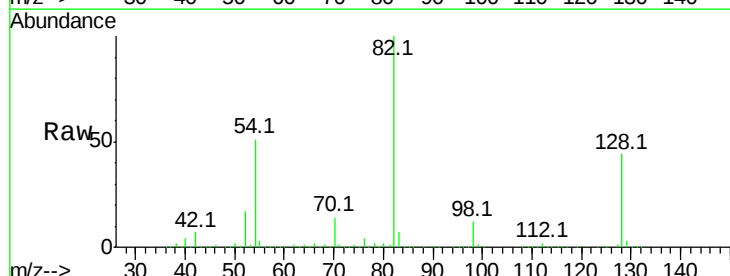
Ion	Ratio	Lower	Upper
82	100		
128	43.9	34.0	51.0
54	51.4	42.2	63.2

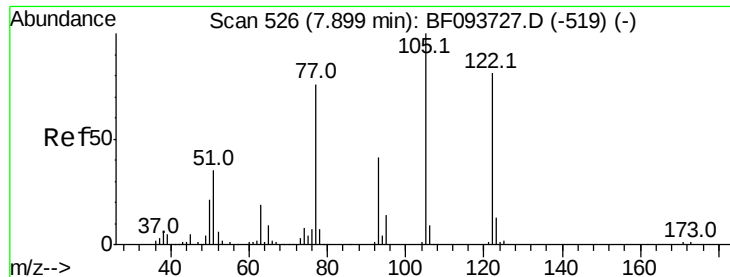


#25
 Isophorone
 Concen: 44.03 ng
 RT: 7.41 min Scan# 483
 Delta R.T. -0.26 min
 Lab File: BF093754.D
 Acq: 18 Mar 2017 15:22

Tgt Ion: 82 Resp: 1172697

Ion	Ratio	Lower	Upper
82	100		
95	0.1	5.3	7.9#
138	0.0	13.1	19.7#

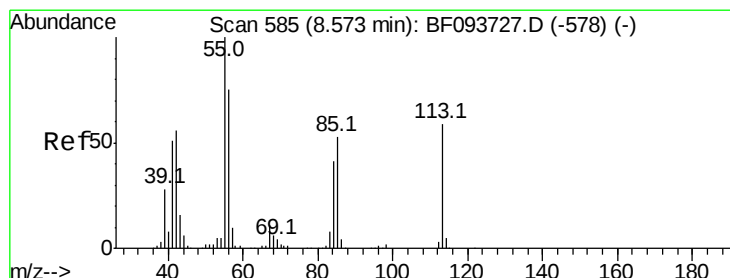
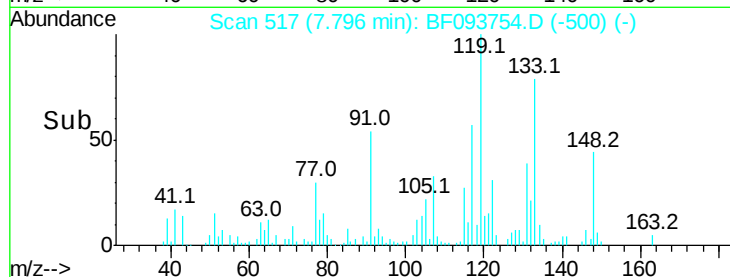
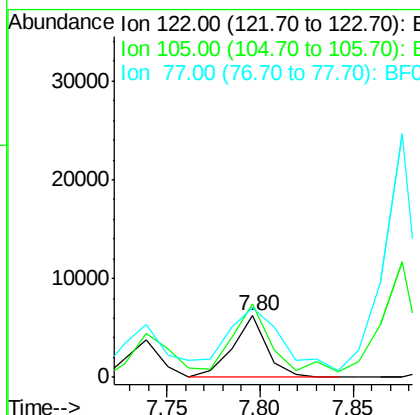
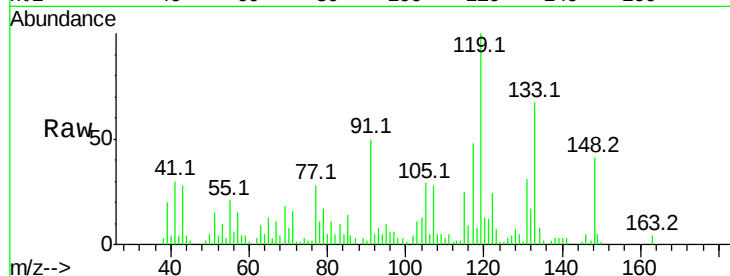




#32
Benzoic acid
Concen: 4.77 ng
RT: 7.80 min Scan# 517
Delta R.T. -0.10 min
Lab File: BF093754.D
Acq: 18 Mar 2017 15:22

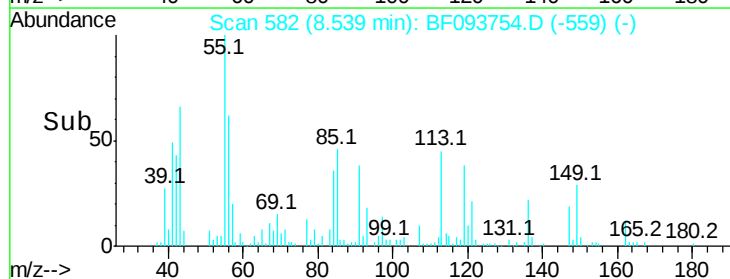
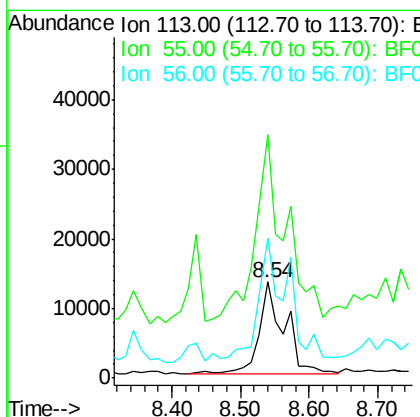
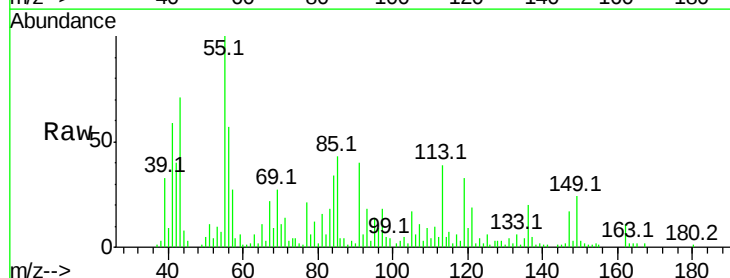
Instrument :
BNA_F
ClientSampleId :
MW-1

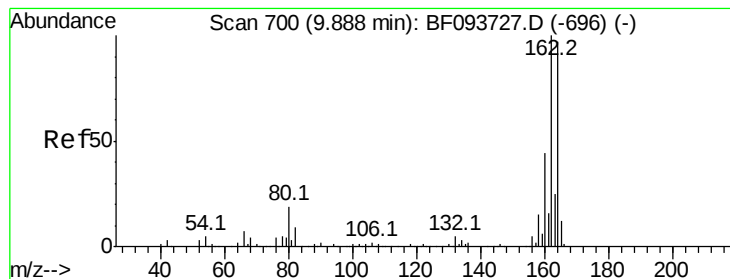
Tot Ion:122 Resp: 7929
Ion Ratio Lower Upper
122 100
105 118.1 103.3 143.3
77 113.7 73.7 113.7



#35
Caprolactam
Concen: 8.91 ng
RT: 8.54 min Scan# 582
Delta R.T. -0.03 min
Lab File: BF093754.D
Acq: 18 Mar 2017 15:22

Tgt Ion:113 Resp: 33318
Ion Ratio Lower Upper
113 100
55 253.5 150.2 190.2#
56 145.4 107.8 147.8





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.89 min Scan# 700

Delta R.T. 0.00 min

Lab File: BF093754.D

Acq: 18 Mar 2017 15:22

Instrument :

BNA_F

ClientSampleId :

MW-1

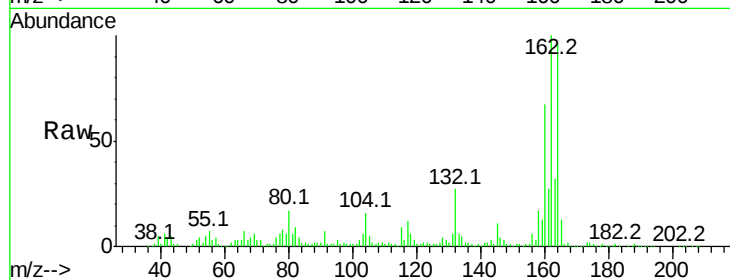
Tot Ion:164 Resp: 384896

Ion Ratio Lower Upper

164 100

162 103.6 82.6 123.8

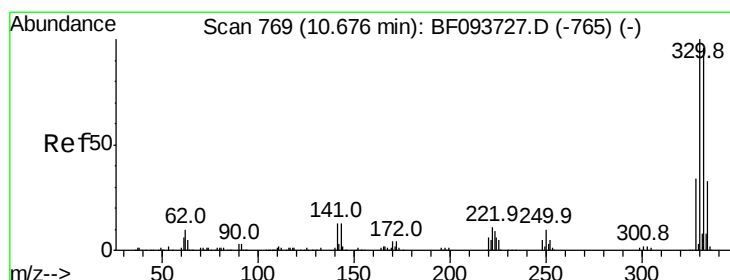
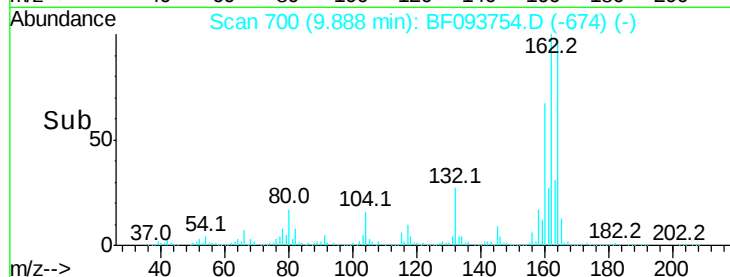
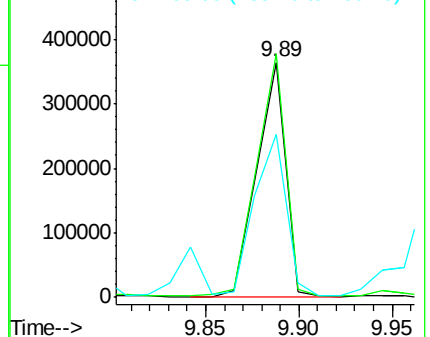
160 69.4 36.2 54.2#



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: 156.95 ng

RT: 10.68 min Scan# 769

Delta R.T. 0.00 min

Lab File: BF093754.D

Acq: 18 Mar 2017 15:22

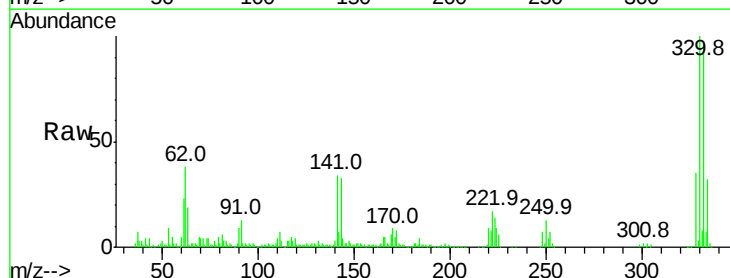
Tgt Ion:330 Resp: 395349

Ion Ratio Lower Upper

330 100

332 96.8 76.6 115.0

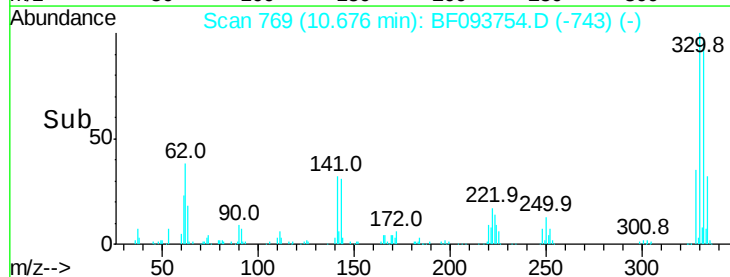
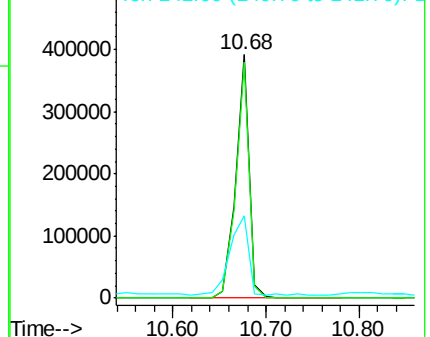
141 45.1 31.4 47.2

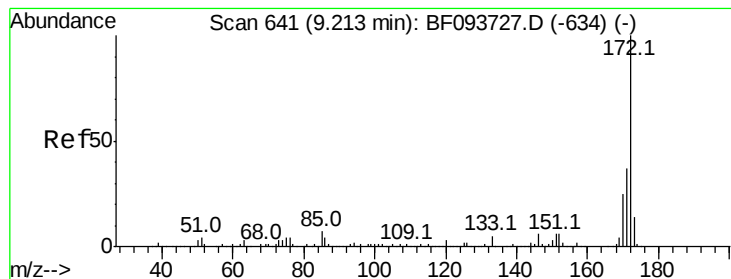


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

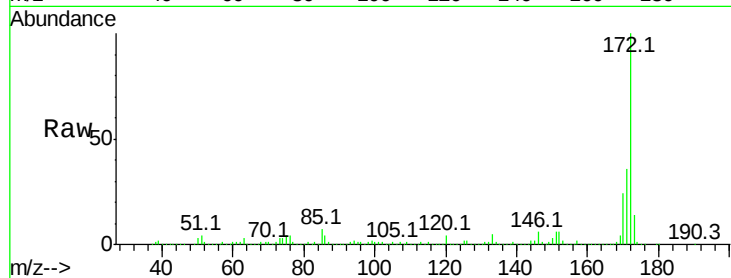




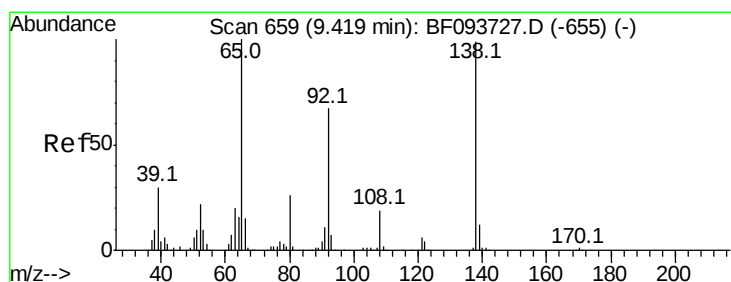
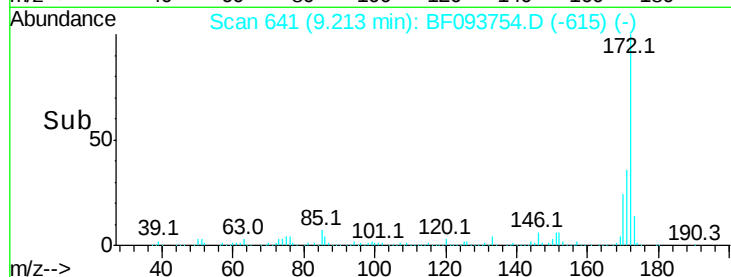
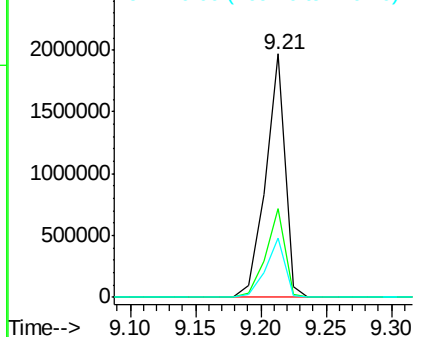
#44
2-Fluorobiphenyl
Concen: 100.56 ng
RT: 9.21 min Scan# 641
Delta R.T. 0.00 min
Lab File: BF093754.D
Acq: 18 Mar 2017 15:22

Instrument :
BNA_F
ClientSampleId :
MW-1

Tot Ion:172 Resp: 2051064
Ion Ratio Lower Upper
172 100
171 36.2 29.6 44.4
170 24.4 19.8 29.8

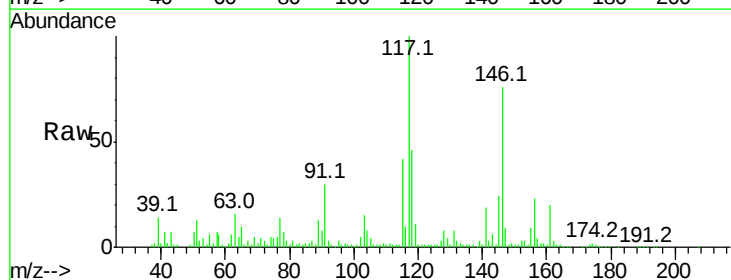


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

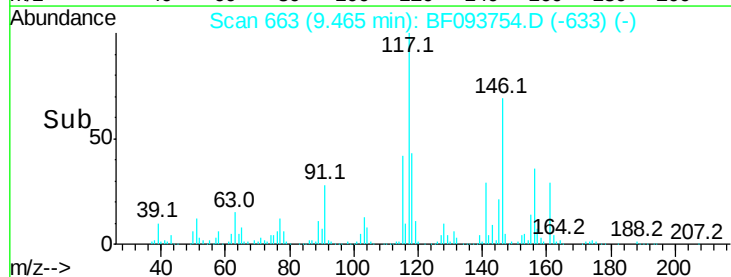
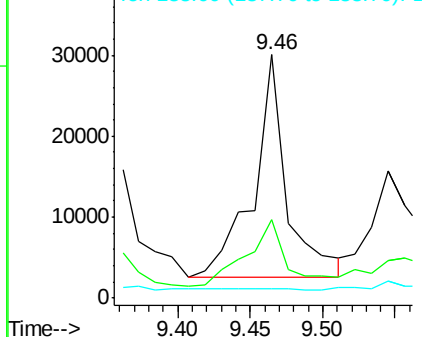


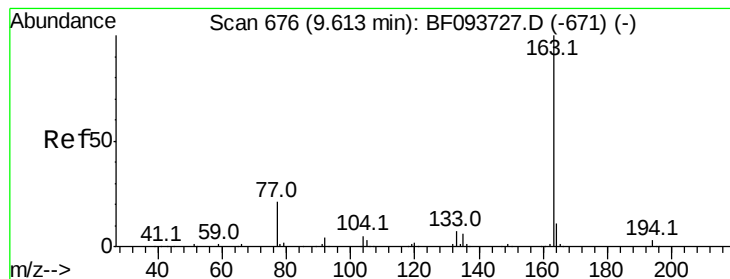
#47
2-Nitroaniline
Concen: 6.95 ng
RT: 9.46 min Scan# 663
Delta R.T. 0.05 min
Lab File: BF093754.D
Acq: 18 Mar 2017 15:22

Tgt Ion: 65 Resp: 43531
Ion Ratio Lower Upper
65 100
92 32.3 53.9 80.9#
138 3.9 78.8 118.2#



Abundance Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0
Ion 138.00 (137.70 to 138.70): E





#49

Dimethylphthalate

Concen: 2.29 ng

RT: 9.60 min Scan# 675

Delta R.T. -0.01 min

Lab File: BF093754.D

Acq: 18 Mar 2017 15:22

Instrument :

BNA_F

ClientSampleId :

MW-1

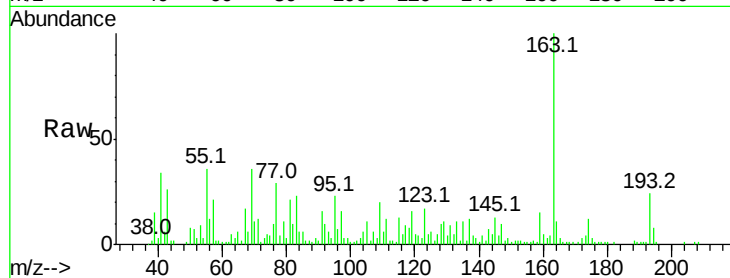
Tot Ion:163 Resp: 57610

Ion Ratio Lower Upper

163 100

194 7.5 2.6 4.0#

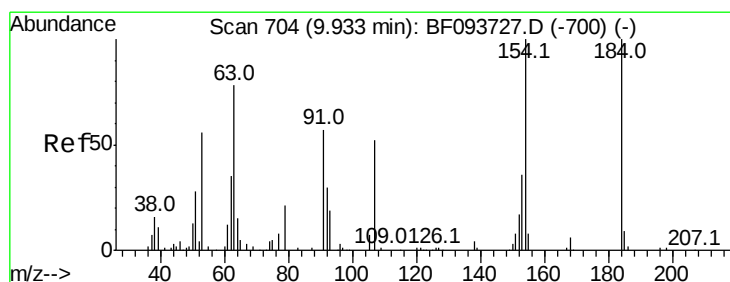
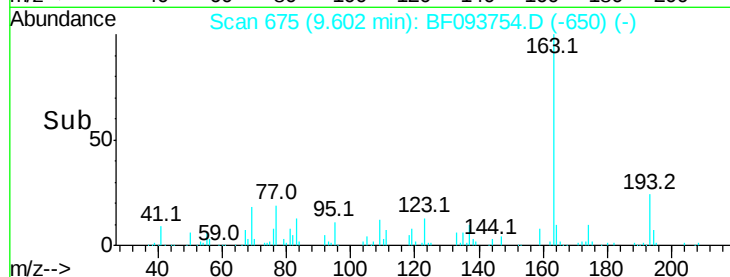
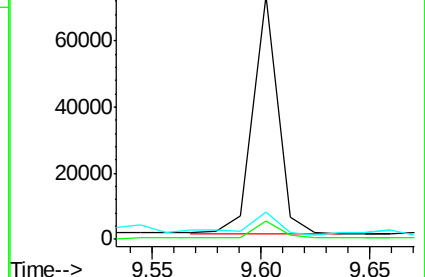
164 11.3 8.4 12.6



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



#53

2,4-Dinitrophenol

Concen: 4.09 ng

RT: 10.04 min Scan# 713

Delta R.T. 0.10 min

Lab File: BF093754.D

Acq: 18 Mar 2017 15:22

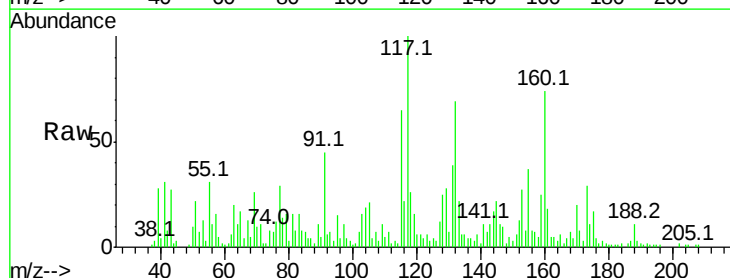
Tgt Ion:184 Resp: 1013

Ion Ratio Lower Upper

184 100

63 817.9 62.7 94.1#

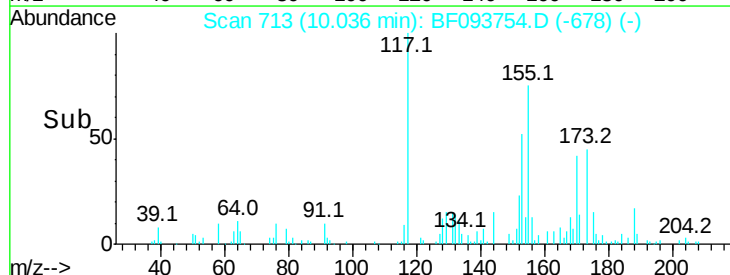
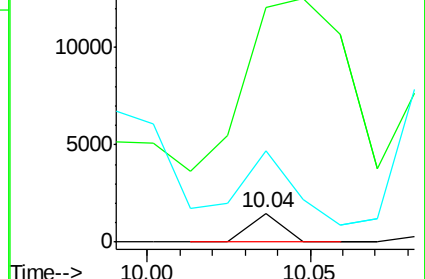
154 316.9 81.1 121.7#

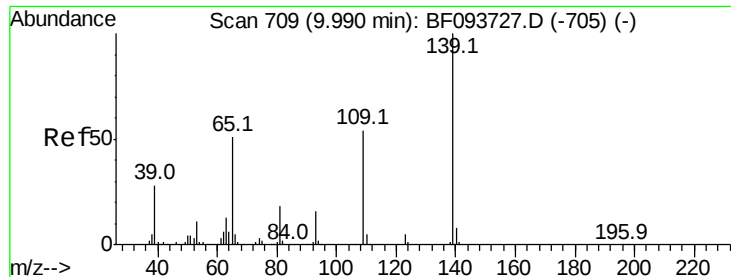


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E





#55

4-Nitrophenol

Concen: 2.60 ng

RT: 10.08 min Scan# 717

Delta R.T. 0.09 min

Lab File: BF093754.D

Acq: 18 Mar 2017 15:22

Instrument :

BNA_F

ClientSampleId :

MW-1

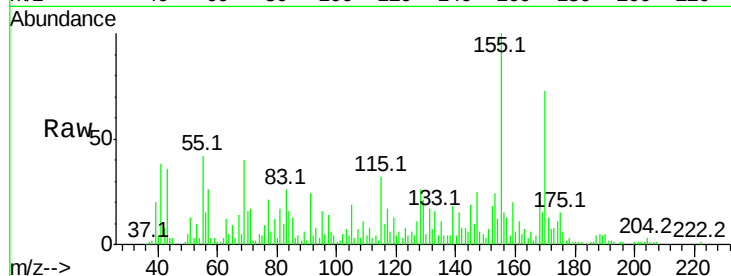
Tot Ion:139 Resp: 12660

Ion Ratio Lower Upper

139 100

109 62.8 34.1 74.1

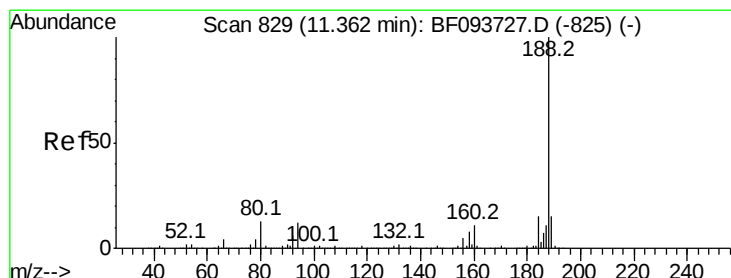
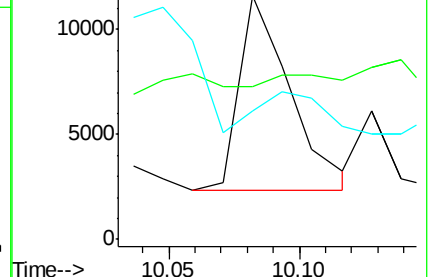
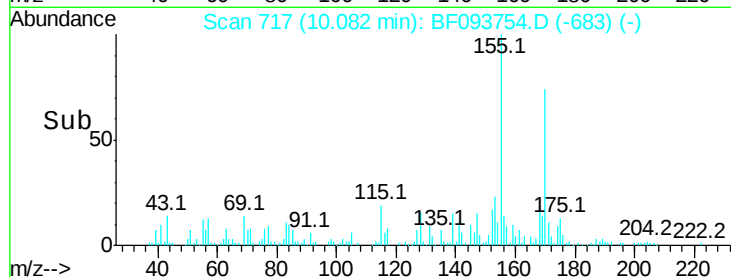
65 52.7 31.4 71.4



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.36 min Scan# 829

Delta R.T. 0.00 min

Lab File: BF093754.D

Acq: 18 Mar 2017 15:22

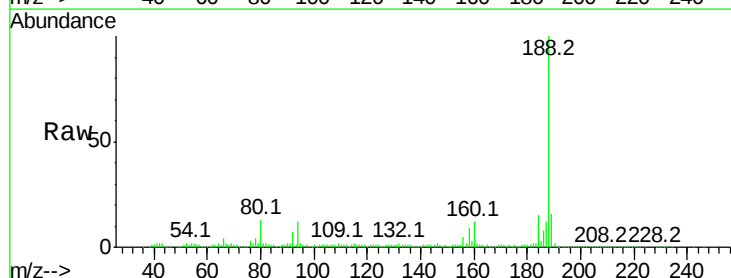
Tgt Ion:188 Resp: 648506

Ion Ratio Lower Upper

188 100

94 12.2 9.4 14.2

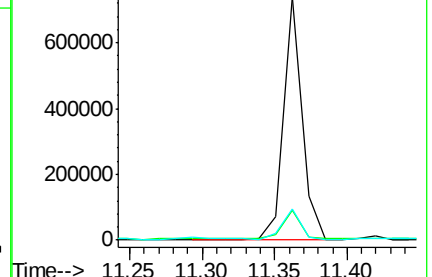
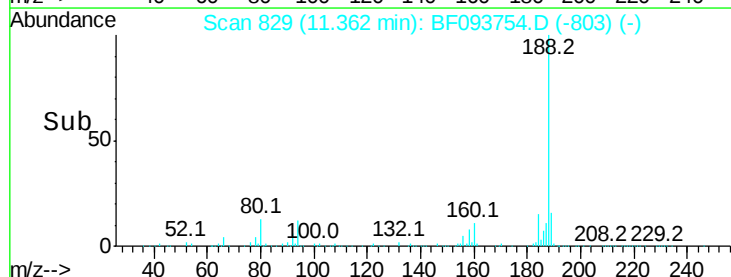
80 12.9 10.2 15.2

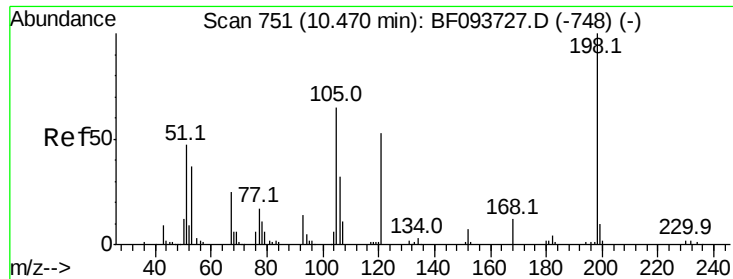


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 4.32 ng

RT: 10.50 min Scan# 754

Delta R.T. 0.03 min

Lab File: BF093754.D

Acq: 18 Mar 2017 15:22

Instrument :

BNA_F

ClientSampleId :

MW-1

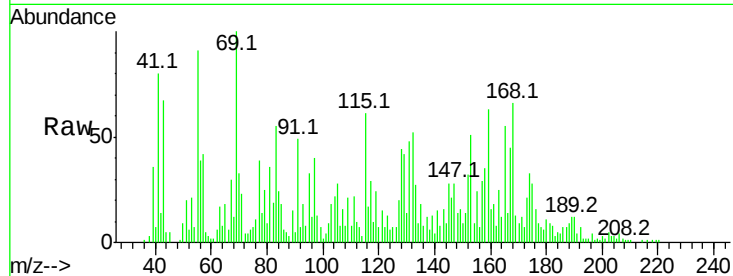
Tot Ion:198 Resp: 1480

Ion Ratio Lower Upper

198 100

51 865.0 53.2 93.2#

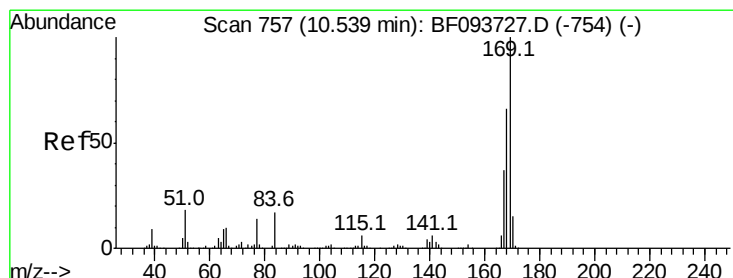
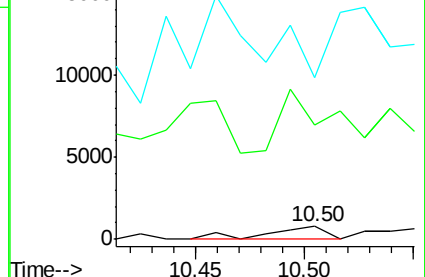
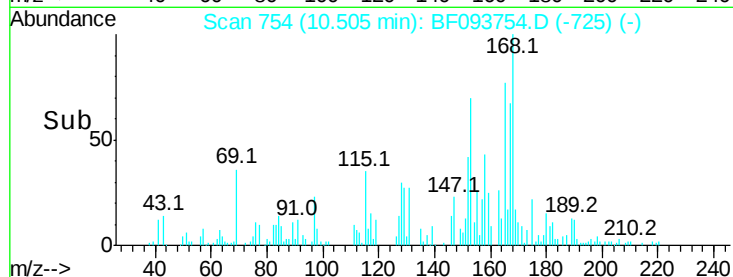
105 1228.2 45.8 85.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#65

n-Nitrosodiphenylamine

Concen: 2.33 ng

RT: 10.55 min Scan# 758

Delta R.T. 0.01 min

Lab File: BF093754.D

Acq: 18 Mar 2017 15:22

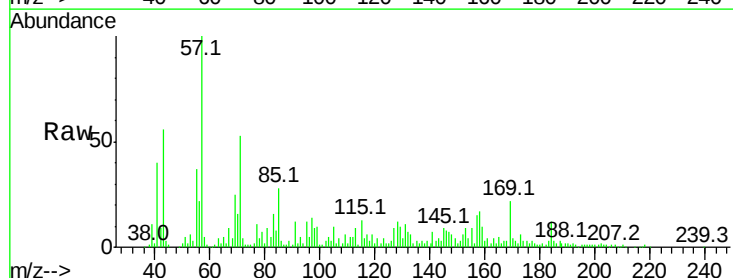
Tgt Ion:169 Resp: 50903

Ion Ratio Lower Upper

169 100

168 15.5 53.2 79.8#

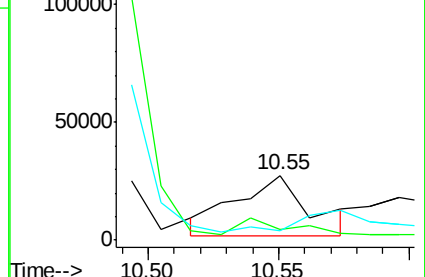
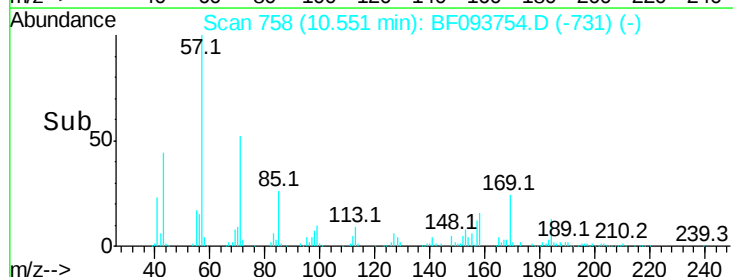
167 14.9 29.5 44.3#

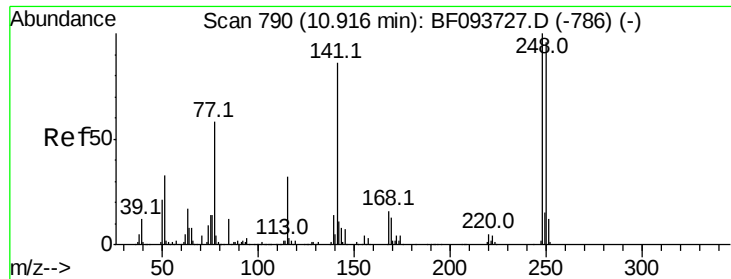


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

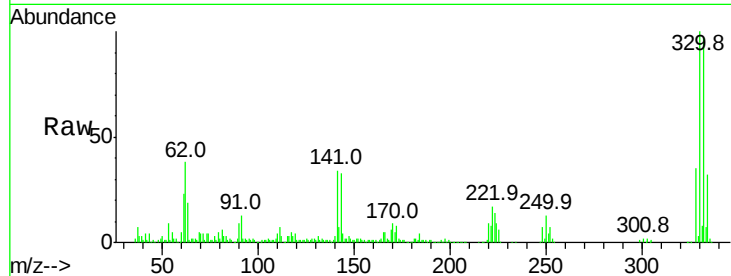




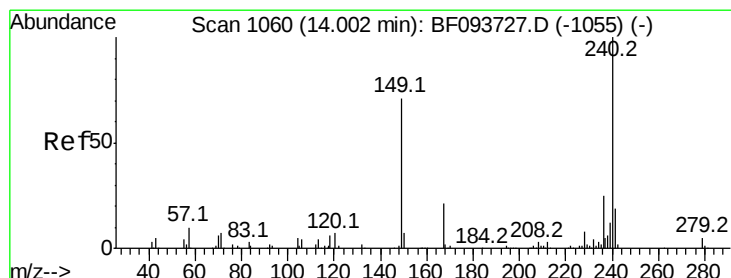
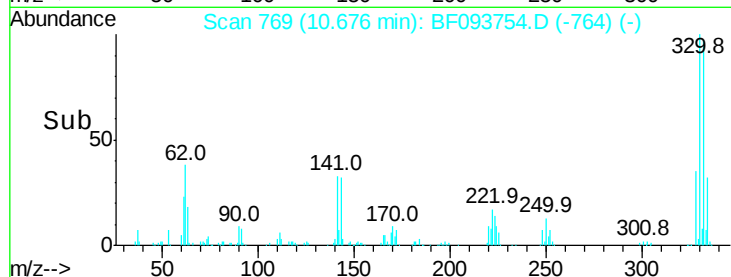
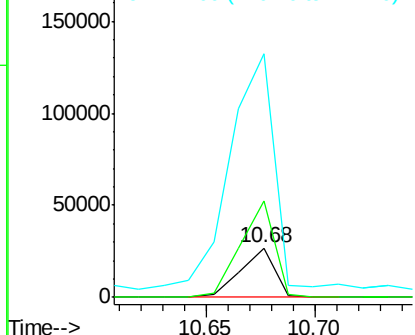
#66
4-Bromophenyl-phenylether
Concen: 4.73 ng
RT: 10.68 min Scan# 769
Delta R.T. -0.24 min
Lab File: BF093754.D
Acq: 18 Mar 2017 15:22

Instrument :
BNA_F
ClientSampleId :
MW-1

Tot Ion:248 Resp: 28976
Ion Ratio Lower Upper
248 100
250 196.8 76.8 115.2#
141 495.3 68.6 103.0#

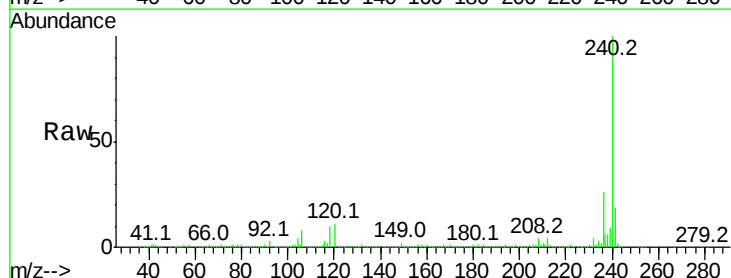


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

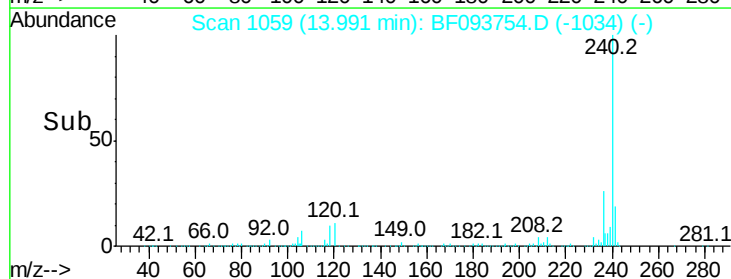
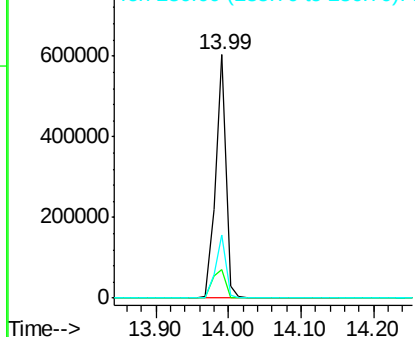


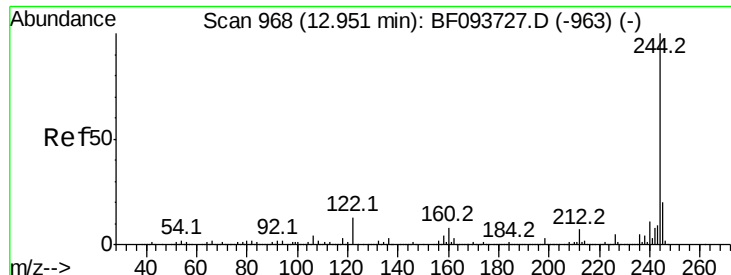
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.99 min Scan# 1059
Delta R.T. -0.01 min
Lab File: BF093754.D
Acq: 18 Mar 2017 15:22

Tgt Ion:240 Resp: 597397
Ion Ratio Lower Upper
240 100
120 11.5 5.8 8.8#
236 26.0 20.5 30.7



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: 55.52 ng

RT: 12.95 min Scan# 968

Delta R.T. 0.00 min

Lab File: BF093754.D

Acq: 18 Mar 2017 15:22

Instrument :

BNA_F

ClientSampleId :

MW-1

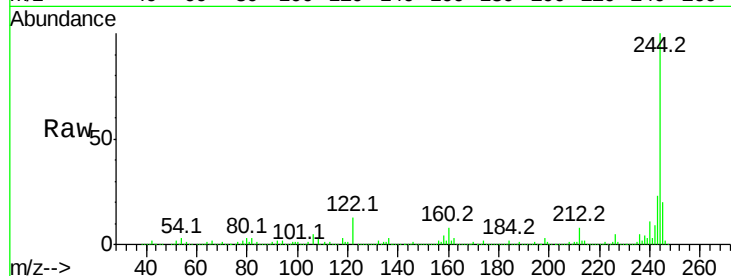
Tot Ion:244 Resp: 1541063

Ion Ratio Lower Upper

244 100

212 7.6 6.0 9.0

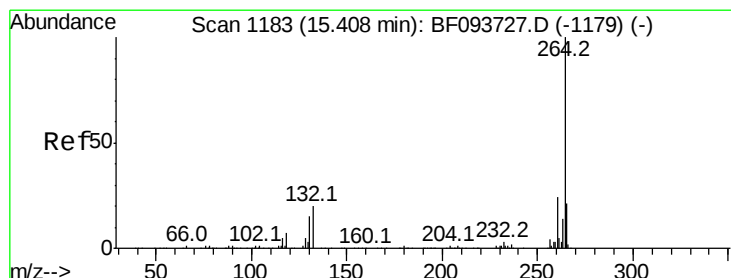
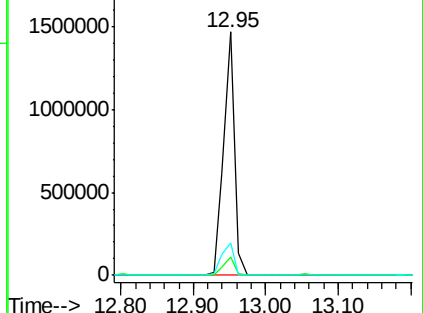
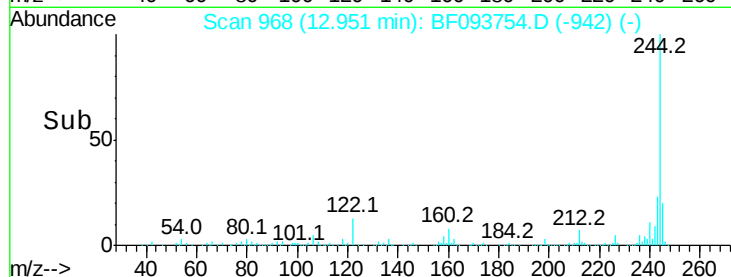
122 13.4 10.3 15.5



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: 20.00 ng

RT: 15.40 min Scan# 1182

Delta R.T. -0.01 min

Lab File: BF093754.D

Acq: 18 Mar 2017 15:22

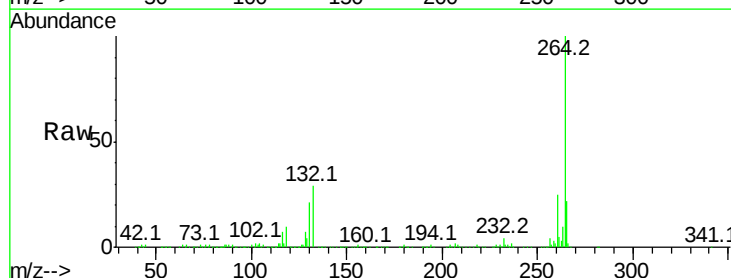
Tgt Ion:264 Resp: 421605

Ion Ratio Lower Upper

264 100

260 25.2 19.5 29.3

265 21.9 17.2 25.8



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

