

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061116\
 Data File : BF087918.D
 Acq On : 11 Jun 2016 23:00
 Operator : UM/SJ
 Sample : H3362-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP16-MMW0002

Quant Time: Jun 12 05:33:37 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 07 18:51:55 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	161082	20.00	ng	-0.05
21) Naphthalene-d8	8.09	136	688492	20.00	ng	-0.03
38) Acenaphthene-d10	9.84	164	325480	20.00	ng	-0.05
63) Phenanthrene-d10	11.32	188	649186	20.00	ng	-0.03
75) Chrysene-d12	13.95	240	566947	20.00	ng	-0.03
86) Perylene-d12	15.37	264	462015	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.39	112	520338	55.22	ng	-0.03
7) Phenol-d6	6.43	99	411149	36.00	ng	-0.05
23) Nitrobenzene-d5	7.37	82	814788	69.11	ng	-0.05
41) 2,4,6-Tribromophenol	10.64	330	362065	105.35	ng	-0.03
44) 2-Fluorobiphenyl	9.18	172	1545204	73.85	ng	-0.03
78) Terphenyl-d14	12.91	244	1444426	57.97	ng	-0.03

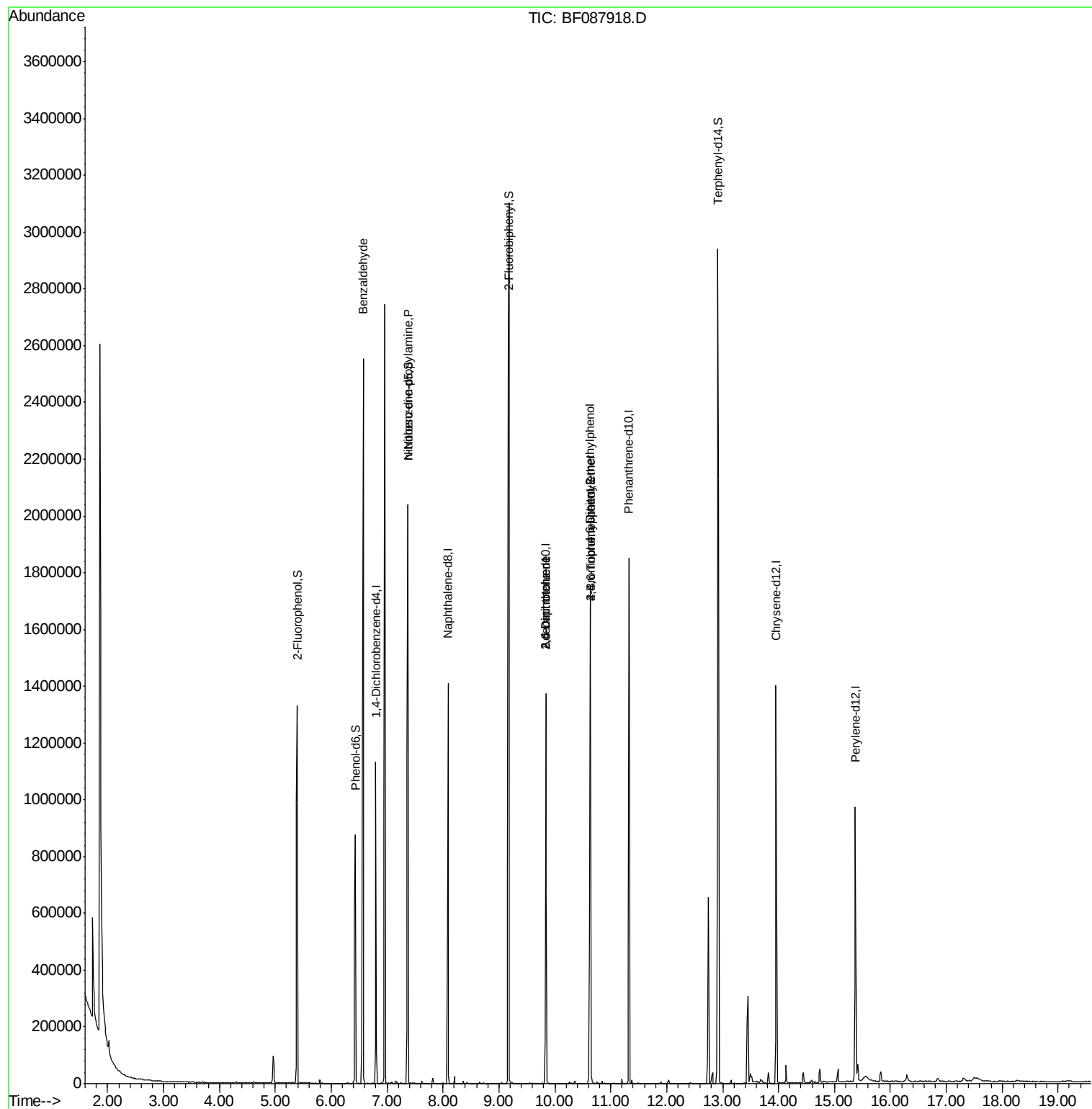
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.57	77	19384	2.49	ng	# 73
10) Phenol	6.57	94	1702	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.37	70	109738	15.02	ng	# 71
45) 1,1'-Biphenyl	9.18	154	3160	Below Cal		# 1
50) 2,6-Dinitrotoluene	9.84	165	41141	7.62	ng	# 39
56) 2,4-Dinitrotoluene	9.84	165	41143	5.93	ng	# 38
57) Fluorene	10.63	166	16866	Below Cal		# 93
64) 4,6-Dinitro-2-methylphenol	10.63	198	806	2.35	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	23653	3.40	ng	# 1

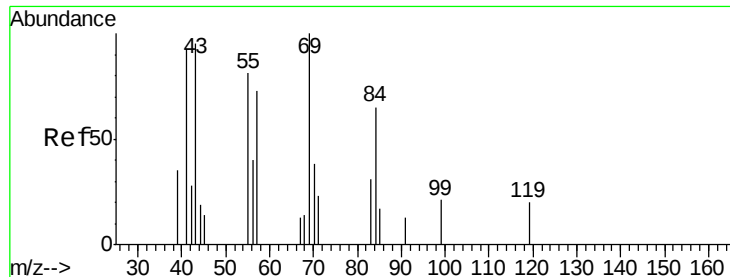
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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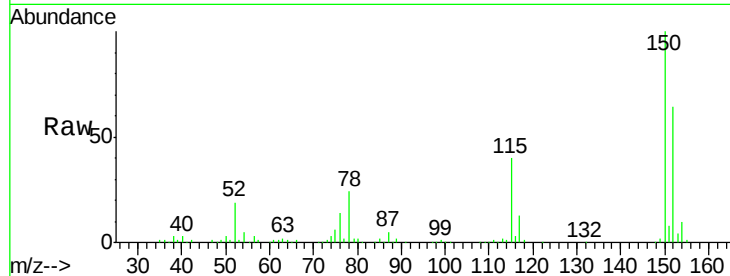




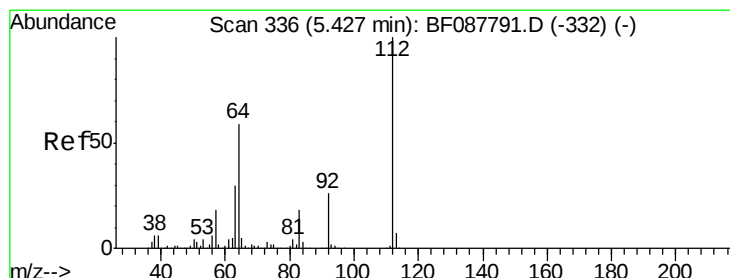
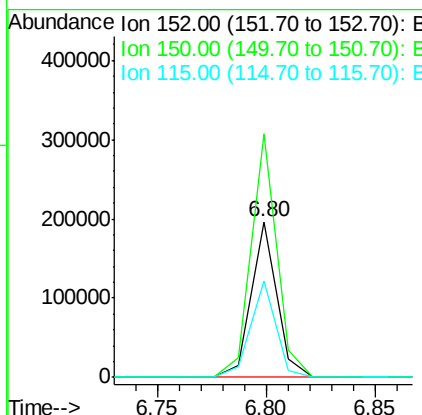
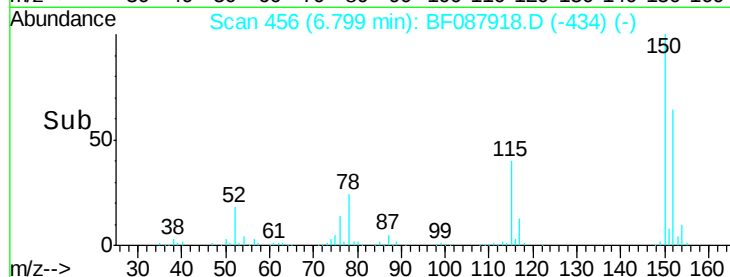
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.80 min Scan# 456
 Delta R.T. -0.05 min
 Lab File: BF087918.D
 Acq: 11 Jun 2016 23:00

Instrument :
 BNA_F
 ClientSampleId :
 SP16-MMW0002

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	123.8	185.6
115	62.1	39.6	59.4

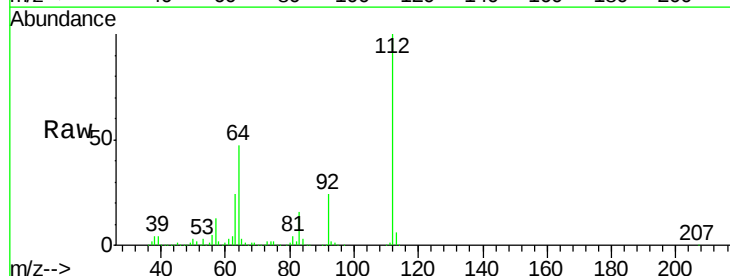


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

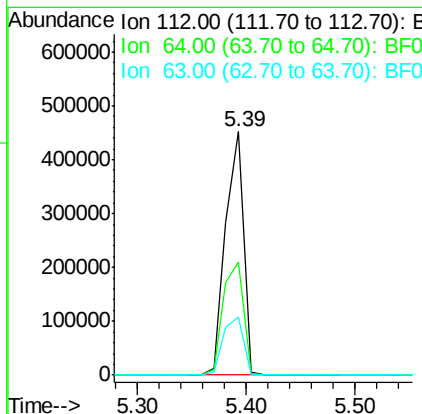
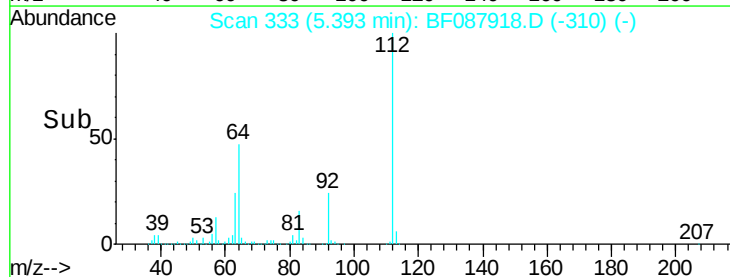


#5
 2-Fluorophenol
 Concen: 55.22 ng
 RT: 5.39 min Scan# 333
 Delta R.T. -0.03 min
 Lab File: BF087918.D
 Acq: 11 Jun 2016 23:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	46.6	42.2	63.2
63	23.9	21.8	32.8



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: 36.00 ng

RT: 6.43 min Scan# 424

Delta R.T. -0.05 min

Lab File: BF087918.D

Acq: 11 Jun 2016 23:00

Instrument :

BNA_F

ClientSampleId :

SP16-MMW0002

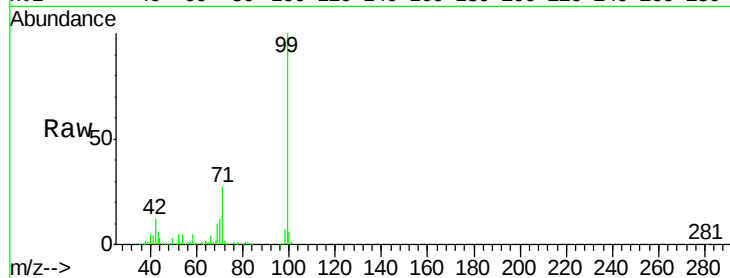
Tot Ion: 99 Resp: 411149

Ion Ratio Lower Upper

99 100

42 11.9 12.2 18.2#

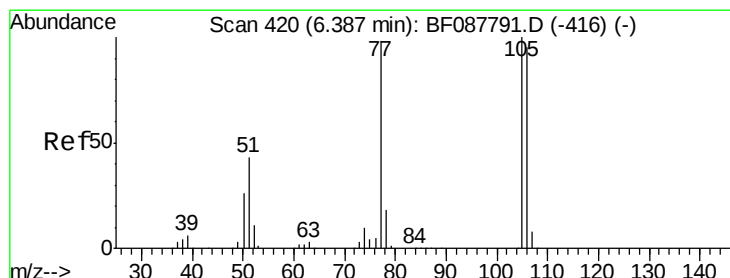
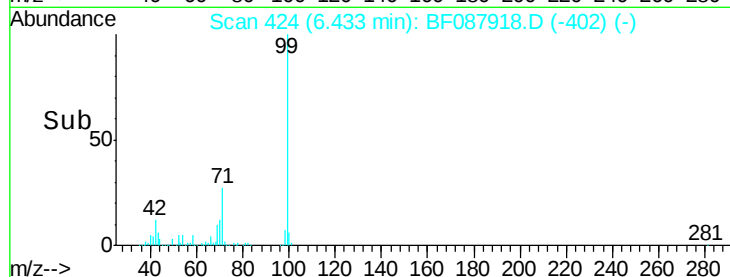
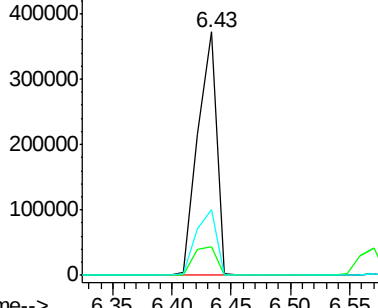
71 26.8 23.4 35.0



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



#9

Benzaldehyde

Concen: 2.49 ng

RT: 6.57 min Scan# 436

Delta R.T. 0.18 min

Lab File: BF087918.D

Acq: 11 Jun 2016 23:00

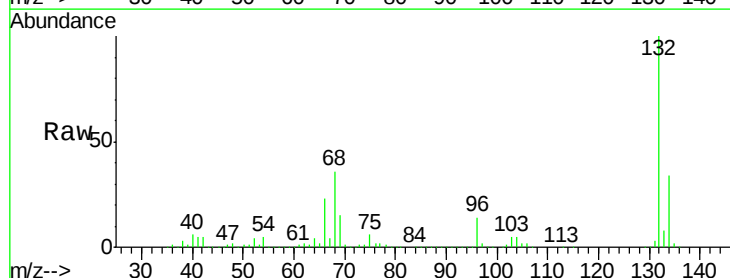
Tgt Ion: 77 Resp: 19384

Ion Ratio Lower Upper

77 100

105 82.1 90.6 130.6#

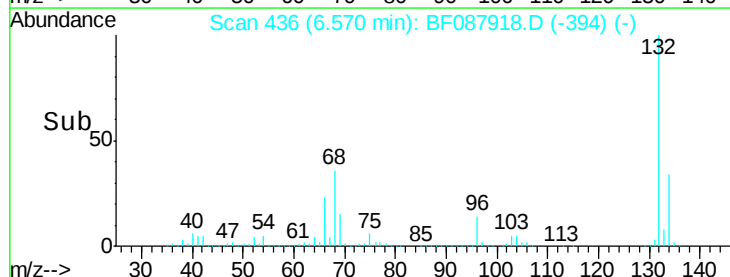
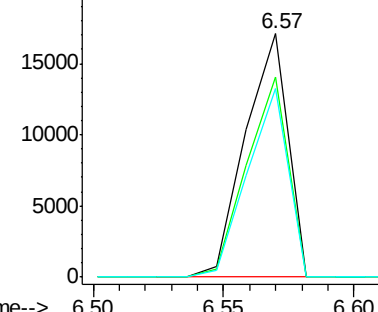
106 77.4 85.3 125.3#

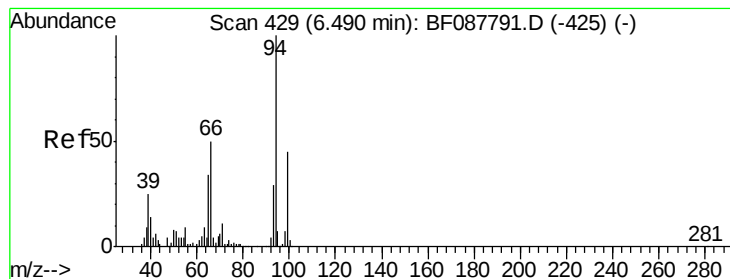


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: Below Cal

RT: 6.57 min Scan# 436

Delta R.T. 0.08 min

Lab File: BF087918.D

Acq: 11 Jun 2016 23:00

Instrument :

BNA_F

ClientSampleId :

SP16-MMW0002

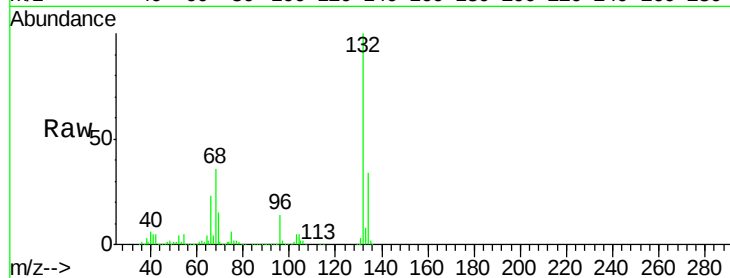
Tot Ion: 94 Resp: 1702

Ion Ratio Lower Upper

94 100

65 1020.3 5.9 45.9#

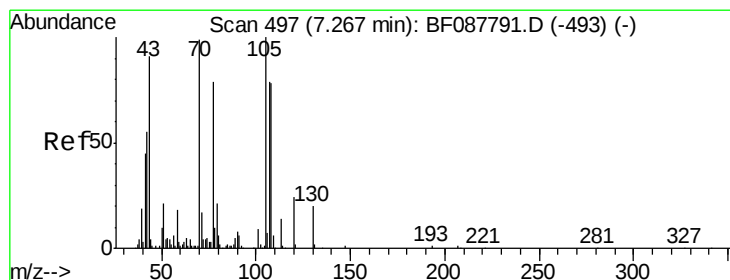
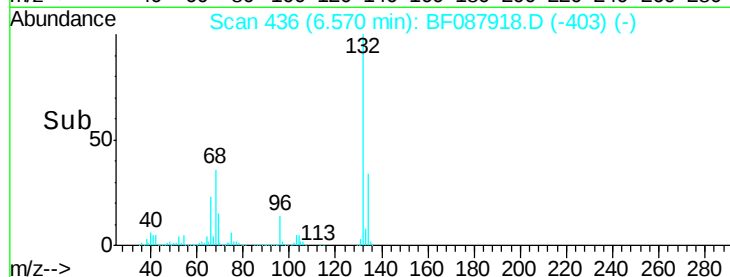
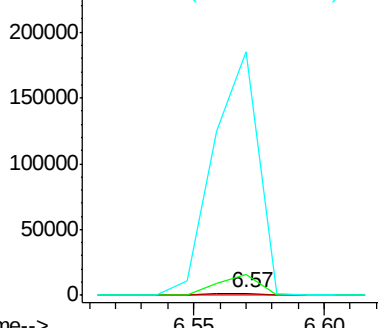
66 11952.5 14.0 54.0#



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



#19

n-Nitroso-di-n-propylamine

Concen: 15.02 ng

RT: 7.37 min Scan# 506

Delta R.T. 0.10 min

Lab File: BF087918.D

Acq: 11 Jun 2016 23:00

Tgt Ion: 70 Resp: 109738

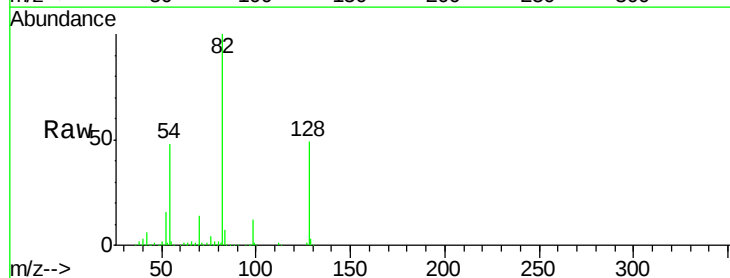
Ion Ratio Lower Upper

70 100

42 41.7 49.6 74.4#

101 0.0 7.1 10.7#

130 2.3 15.4 23.2#

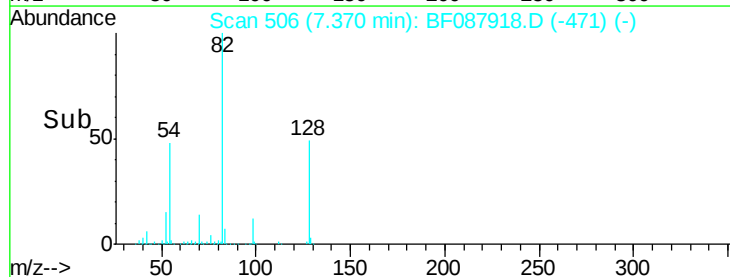
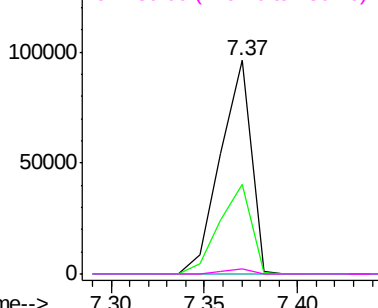


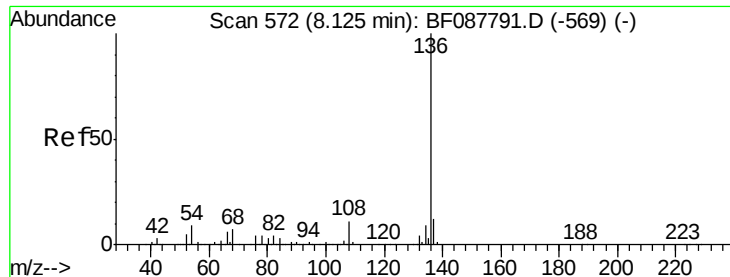
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 569

Delta R.T. -0.03 min

Lab File: BF087918.D

Acq: 11 Jun 2016 23:00

Instrument :

BNA_F

ClientSampleId :

SP16-MMW0002

Tot Ion:136 Resp: 688492

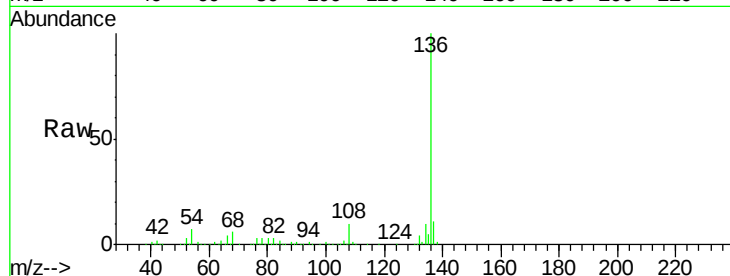
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 6.6 6.6 10.0#

68 5.5 5.1 7.7

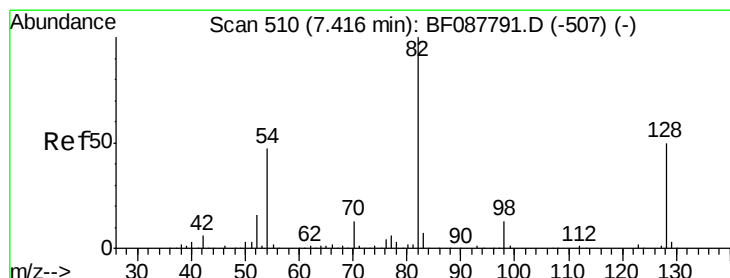
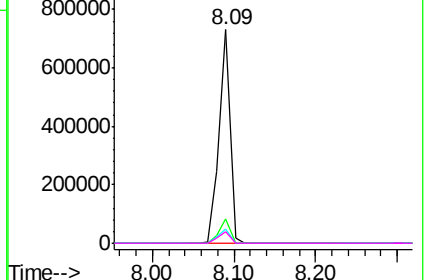
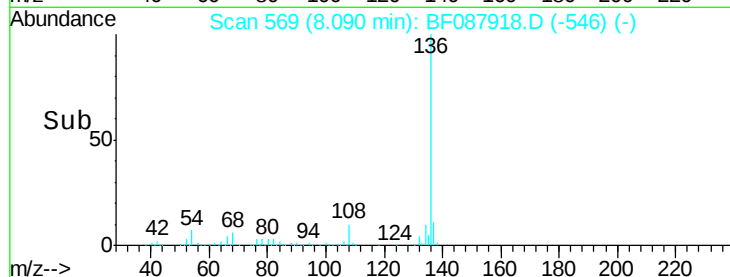


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 69.11 ng

RT: 7.37 min Scan# 506

Delta R.T. -0.05 min

Lab File: BF087918.D

Acq: 11 Jun 2016 23:00

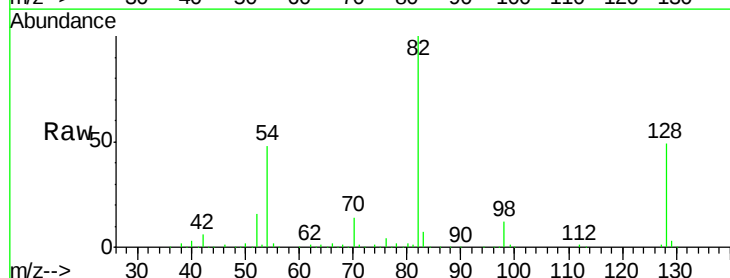
Tgt Ion: 82 Resp: 814788

Ion Ratio Lower Upper

82 100

128 48.7 35.9 53.9

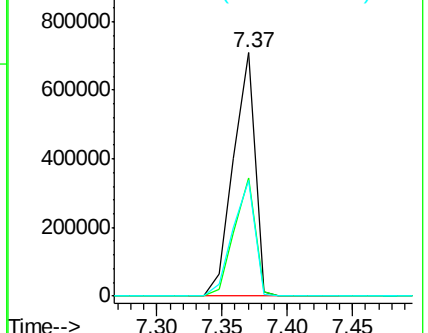
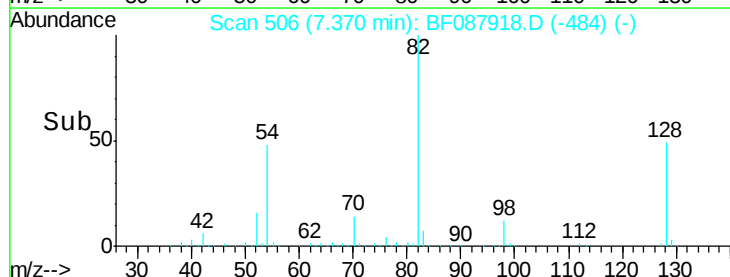
54 47.7 40.9 61.3

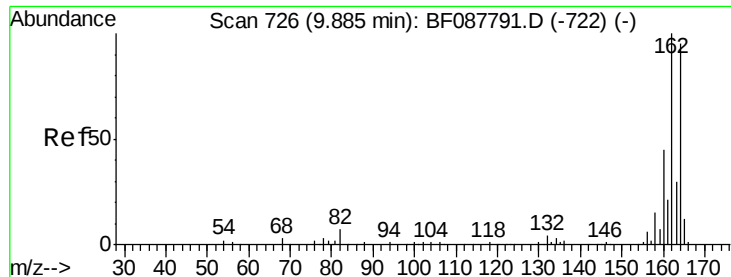


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.84 min Scan# 722

Delta R.T. -0.05 min

Lab File: BF087918.D

Acq: 11 Jun 2016 23:00

Instrument :

BNA_F

ClientSampleId :

SP16-MMW0002

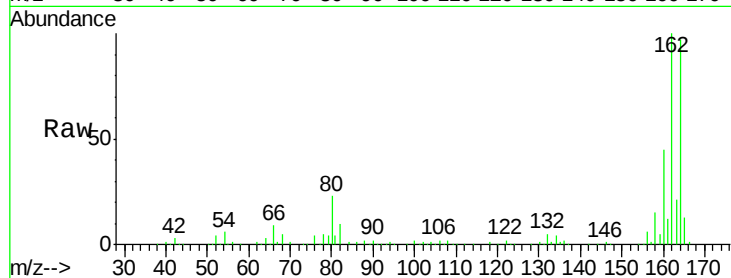
Tot Ion:164 Resp: 325480

Ion Ratio Lower Upper

164 100

162 103.0 85.4 128.2

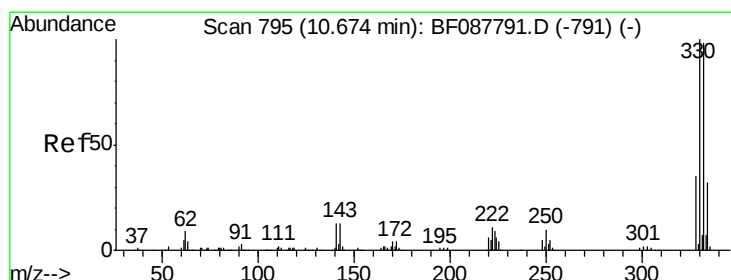
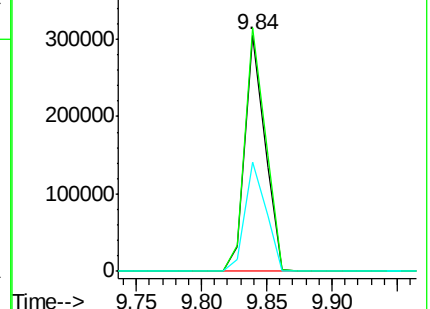
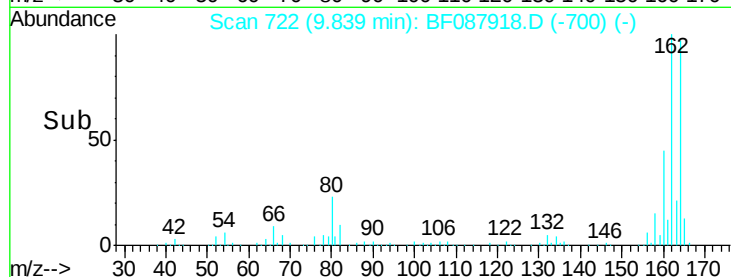
160 46.5 39.5 59.3



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: 105.35 ng

RT: 10.64 min Scan# 792

Delta R.T. -0.03 min

Lab File: BF087918.D

Acq: 11 Jun 2016 23:00

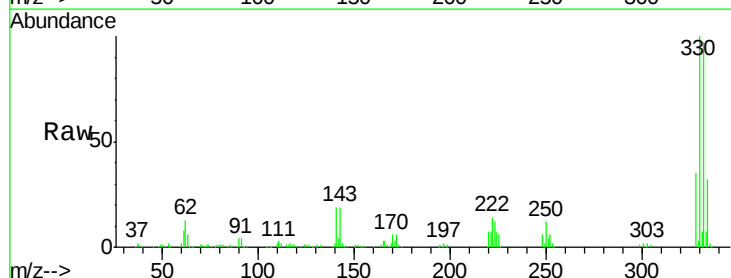
Tgt Ion:330 Resp: 362065

Ion Ratio Lower Upper

330 100

332 95.4 0.0 0.0#

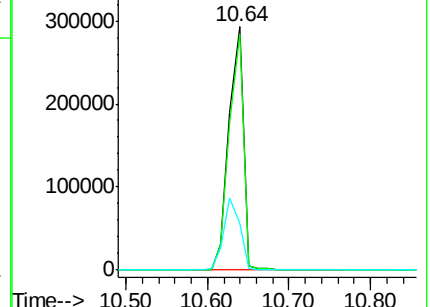
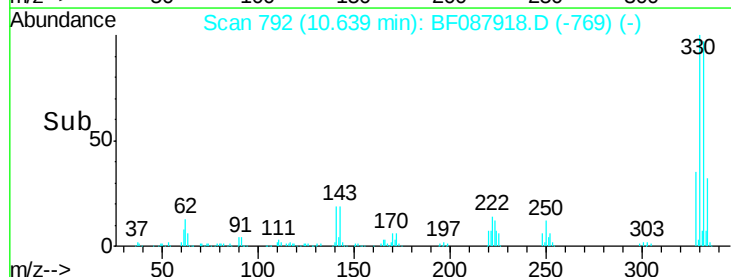
141 33.0 0.0 0.0#



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



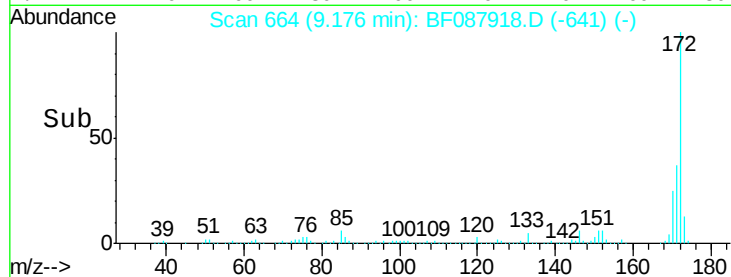
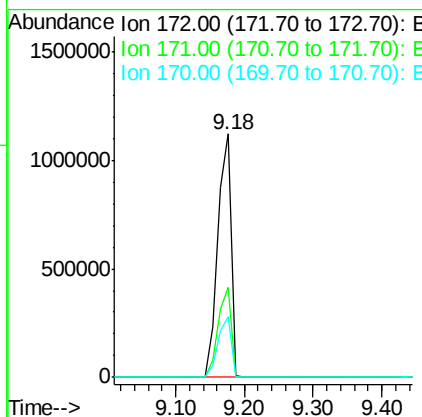
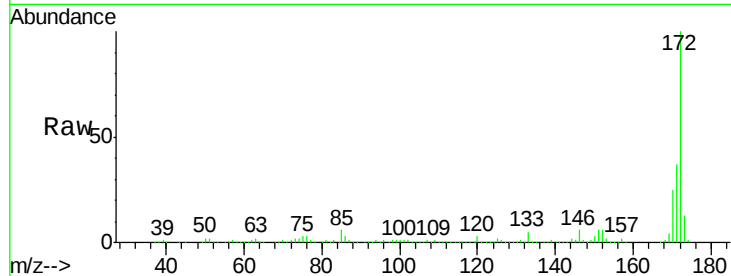


#44
 2-Fluorobiphenyl
 Concen: 73.85 ng
 RT: 9.18 min Scan# 664
 Delta R.T. -0.03 min
 Lab File: BF087918.D
 Acq: 11 Jun 2016 23:00

Instrument :
 BNA_F
 ClientSampleId :
 SP16-MMW0002

Tot Ion:172 Resp: 1545204

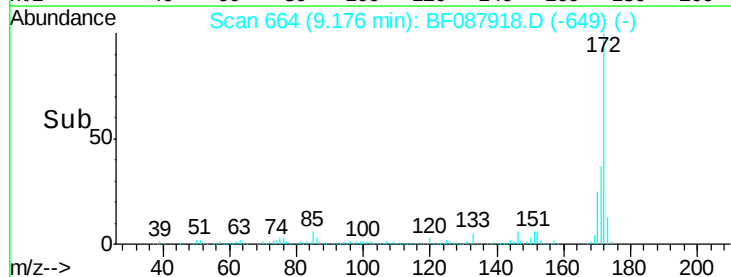
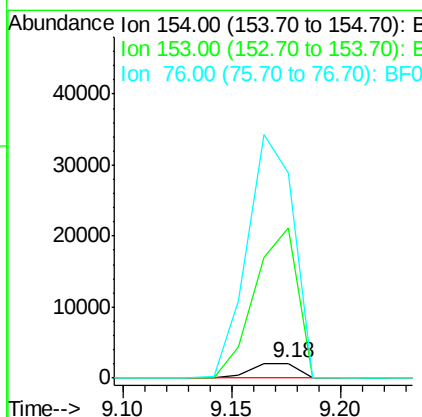
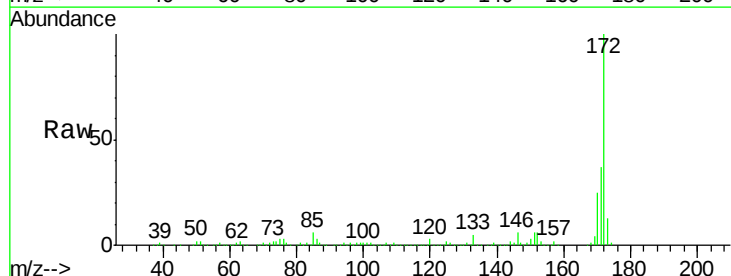
Ion	Ratio	Lower	Upper
172	100		
171	36.7	28.6	43.0
170	24.8	19.2	28.8

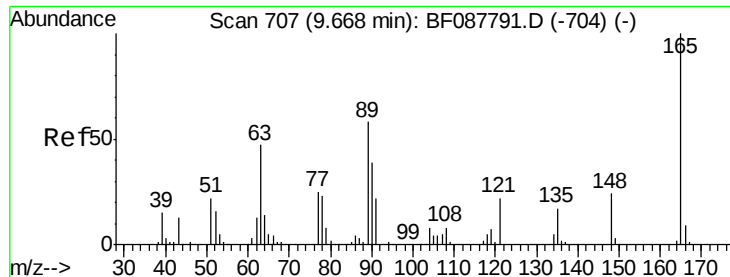


#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.18 min Scan# 664
 Delta R.T. -0.12 min
 Lab File: BF087918.D
 Acq: 11 Jun 2016 23:00

Tgt Ion:154 Resp: 3160

Ion	Ratio	Lower	Upper
154	100		
153	1024.9	20.6	60.6#
76	1400.0	0.0	35.1#





#50

2,6-Dinitrotoluene

Concen: 7.62 ng

RT: 9.84 min Scan# 722

Delta R.T. 0.17 min

Lab File: BF087918.D

Acq: 11 Jun 2016 23:00

Instrument :

BNA_F

ClientSampleId :

SP16-MMW0002

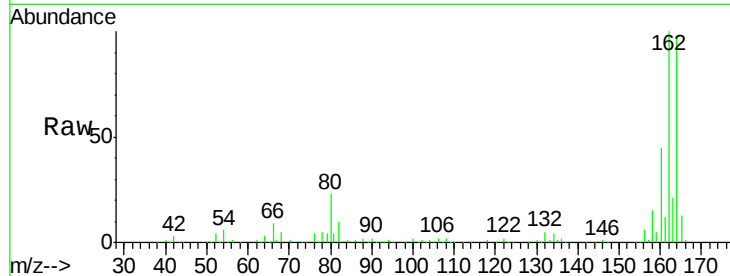
Tot Ion:165 Resp: 41141

Ion Ratio Lower Upper

165 100

63 1.1 28.1 42.1#

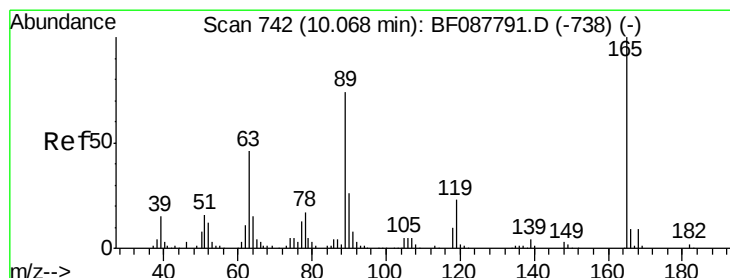
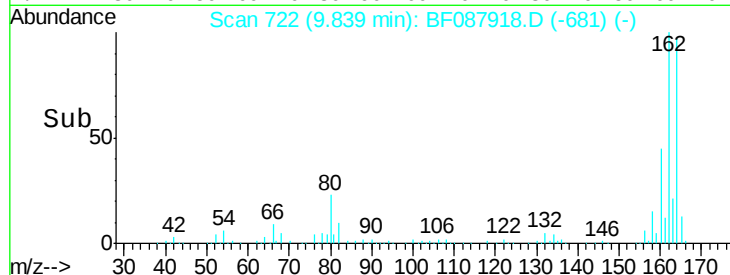
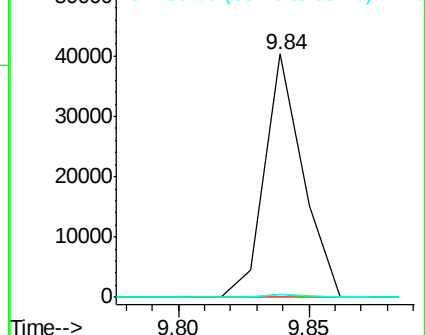
89 1.4 32.2 48.2#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56

2,4-Dinitrotoluene

Concen: 5.93 ng

RT: 9.84 min Scan# 722

Delta R.T. -0.23 min

Lab File: BF087918.D

Acq: 11 Jun 2016 23:00

Tgt Ion:165 Resp: 41143

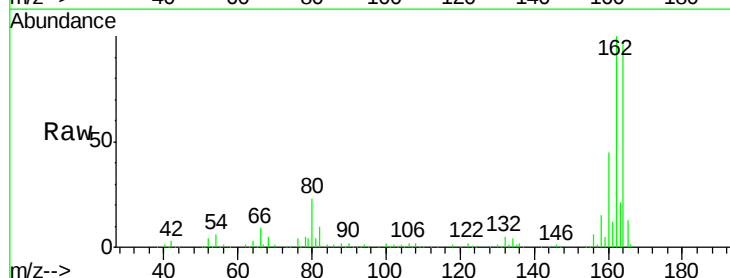
Ion Ratio Lower Upper

165 100

63 1.1 22.0 33.0#

89 1.4 41.1 61.7#

182 0.0 2.0 3.0#

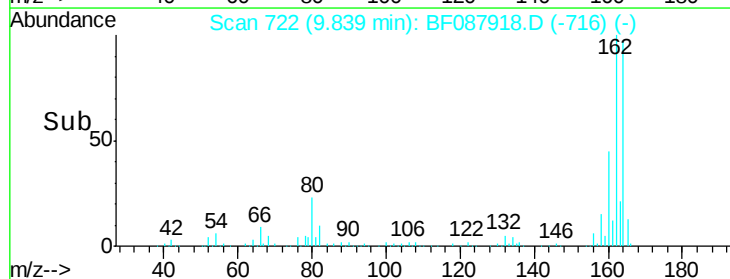
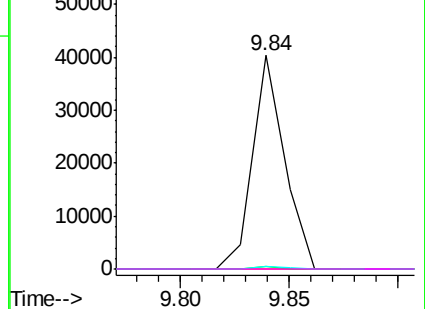


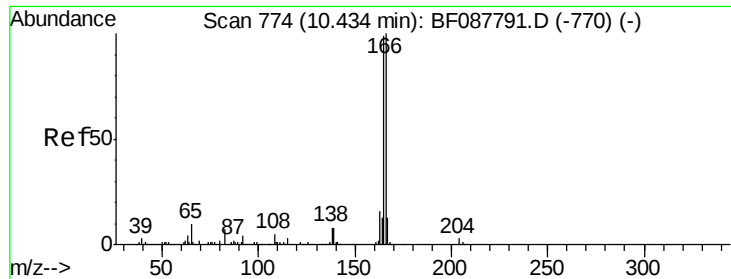
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: Below Cal

RT: 10.63 min Scan# 791

Delta R.T. 0.19 min

Lab File: BF087918.D

Acq: 11 Jun 2016 23:00

Instrument :

BNA_F

ClientSampleId :

SP16-MMW0002

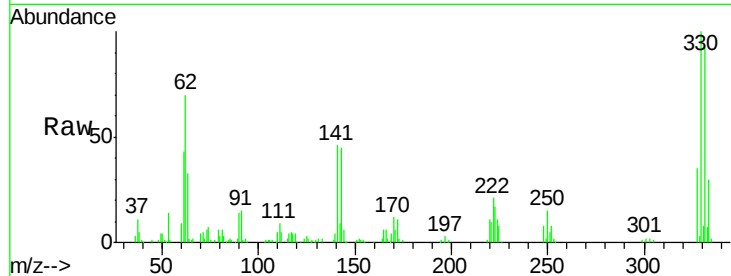
Tot Ion:166 Resp: 16866

Ion Ratio Lower Upper

166 100

165 99.4 77.8 116.8

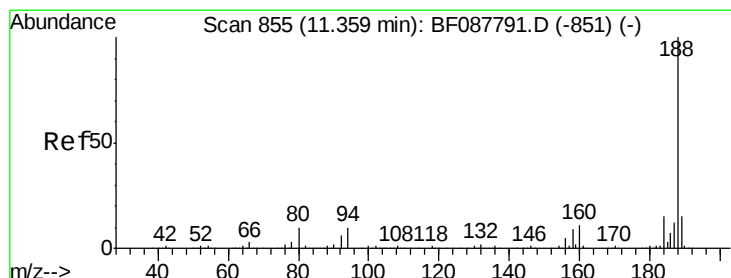
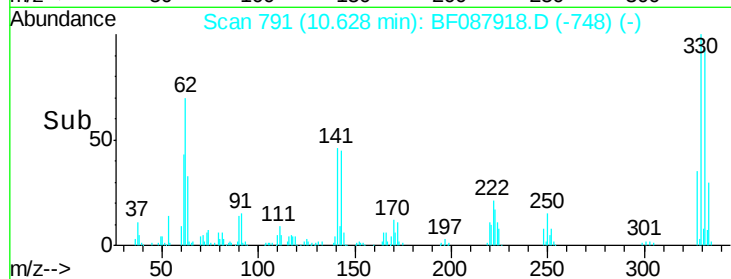
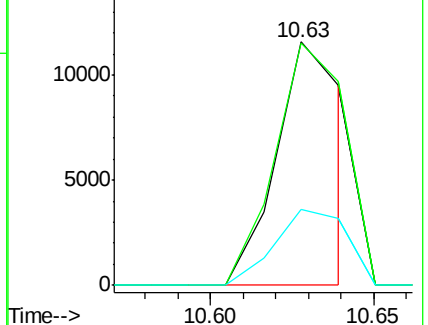
167 31.4 11.2 16.8#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.32 min Scan# 852

Delta R.T. -0.03 min

Lab File: BF087918.D

Acq: 11 Jun 2016 23:00

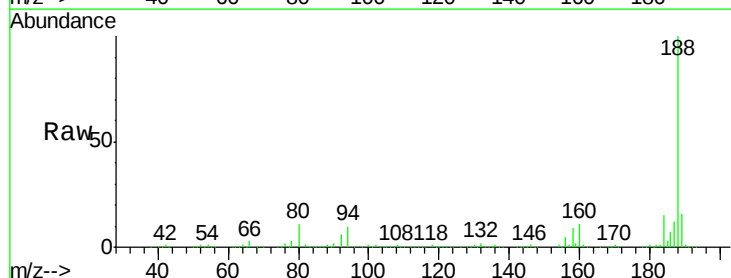
Tgt Ion:188 Resp: 649186

Ion Ratio Lower Upper

188 100

94 10.3 9.0 13.6

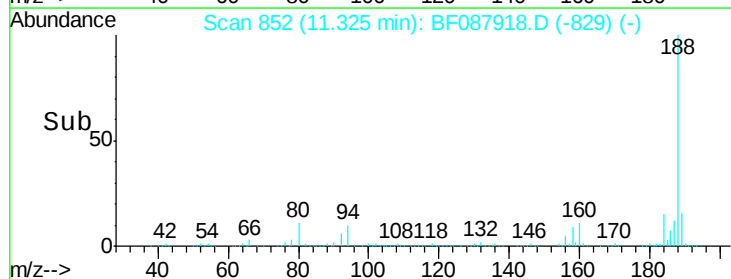
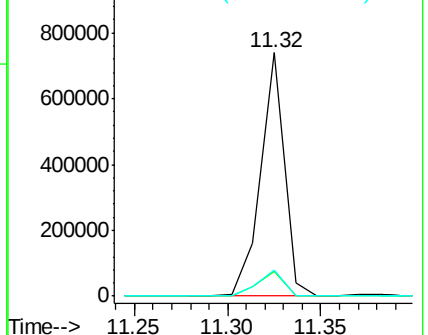
80 10.7 10.0 15.0

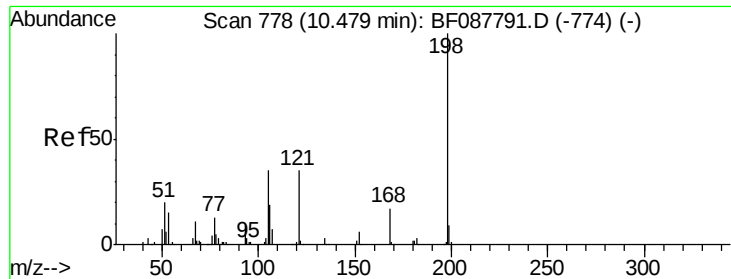


Abundance Ion 188.00 (187.70 to 188.70): E

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: 2.35 ng

RT: 10.63 min Scan# 791

Delta R.T. 0.15 min

Lab File: BF087918.D

Acq: 11 Jun 2016 23:00

Instrument :

BNA_F

ClientSampleId :

SP16-MMW0002

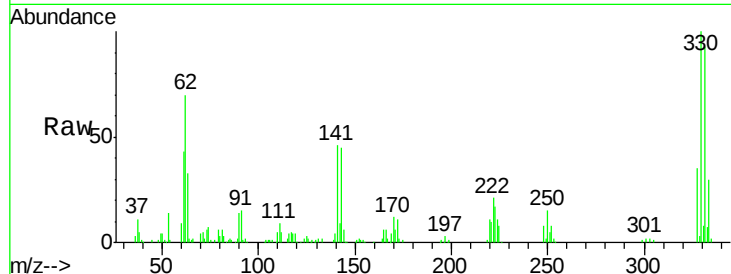
Tot Ion:198 Resp: 806

Ion Ratio Lower Upper

198 100

51 174.6 39.6 79.6#

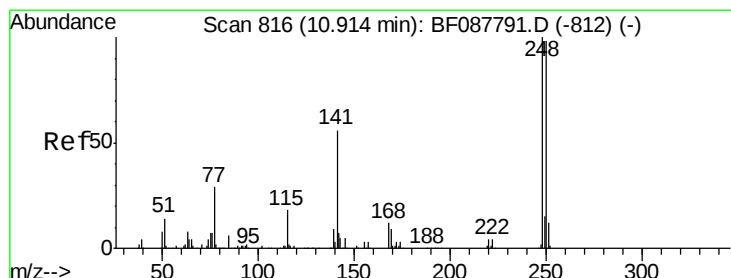
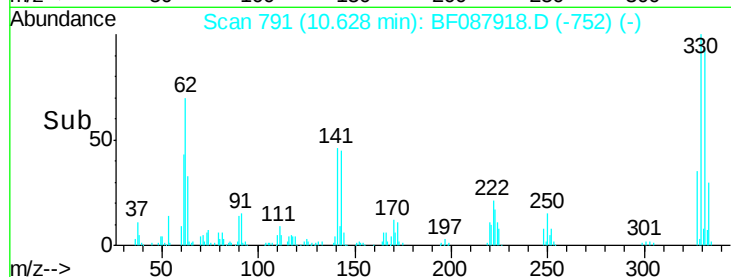
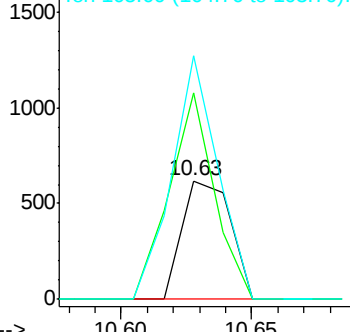
105 206.0 36.6 76.6#



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



#66

4-Bromophenyl-phenylether

Concen: 3.40 ng

RT: 10.64 min Scan# 792

Delta R.T. -0.27 min

Lab File: BF087918.D

Acq: 11 Jun 2016 23:00

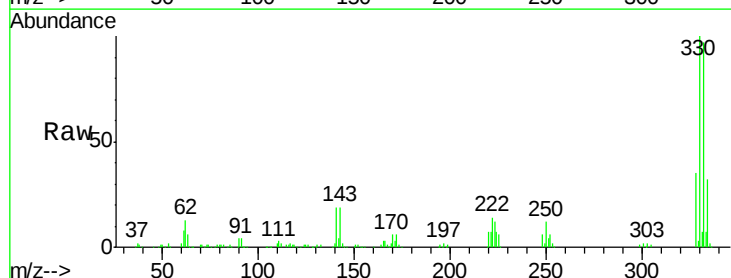
Tgt Ion:248 Resp: 23653

Ion Ratio Lower Upper

248 100

250 198.0 77.1 115.7#

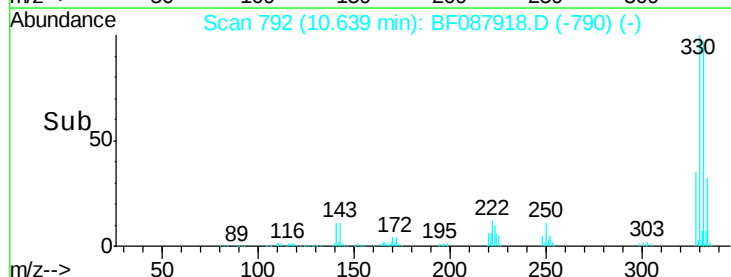
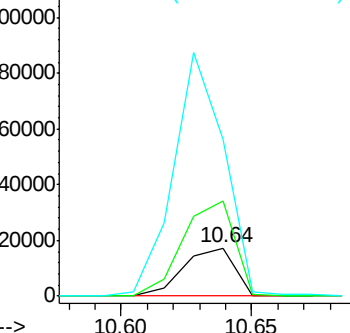
141 327.2 50.6 76.0#

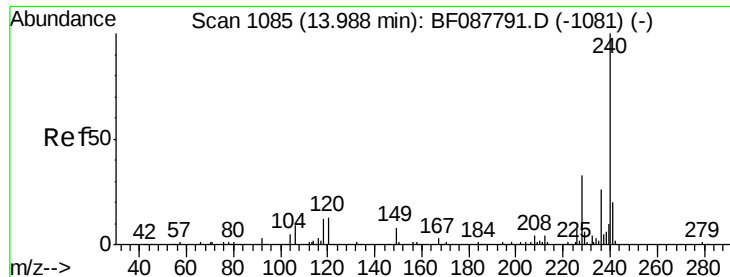


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.95 min Scan# 1082

Delta R.T. -0.03 min

Lab File: BF087918.D

Acq: 11 Jun 2016 23:00

Instrument :

BNA_F

ClientSampleId :

SP16-MMW0002

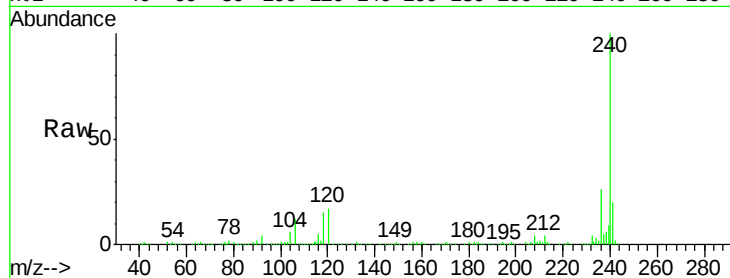
Tot Ion:240 Resp: 566947

Ion Ratio Lower Upper

240 100

120 17.1 6.8 10.2#

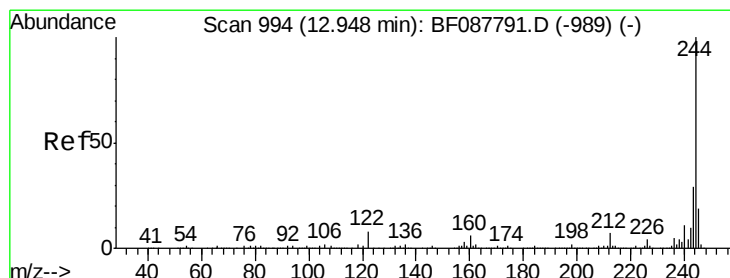
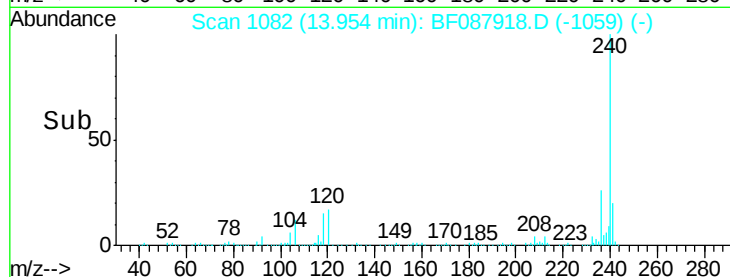
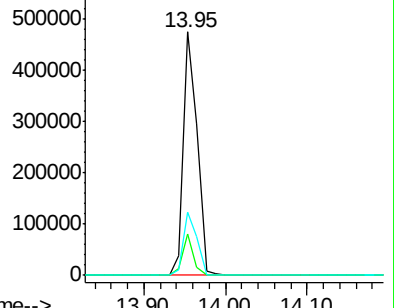
236 26.2 20.2 30.2



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: 57.97 ng

RT: 12.91 min Scan# 991

Delta R.T. -0.03 min

Lab File: BF087918.D

Acq: 11 Jun 2016 23:00

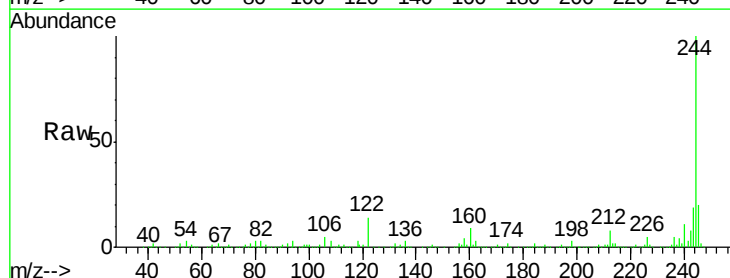
Tgt Ion:244 Resp: 1444426

Ion Ratio Lower Upper

244 100

212 7.7 6.0 9.0

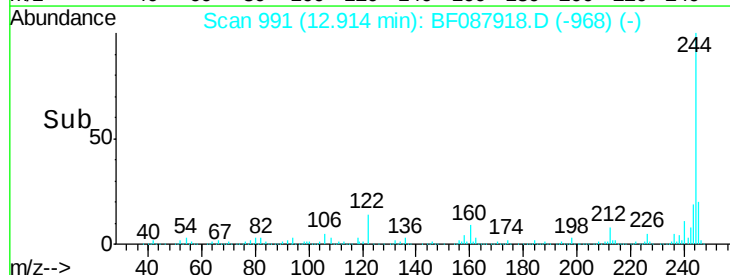
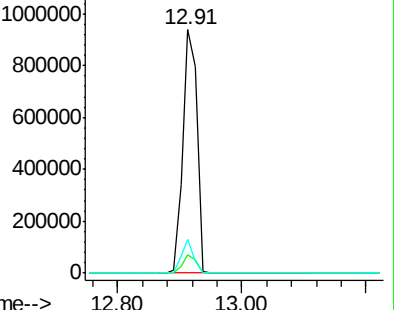
122 13.9 11.2 16.8

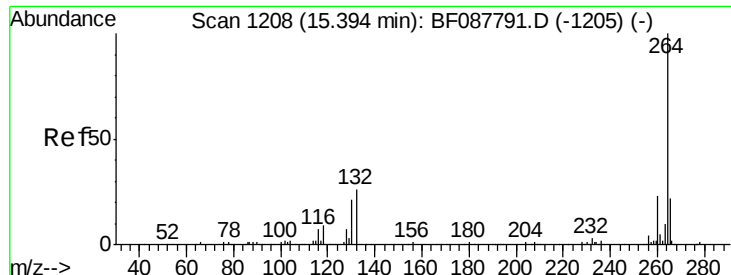


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.37 min Scan# 1206
Delta R.T. -0.02 min
Lab File: BF087918.D
Acq: 11 Jun 2016 23:00

Instrument :
BNA_F
ClientSampleId :
SP16-MMW0002

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	22.0	16.9	25.3

