

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061116\
 Data File : BF087930.D
 Acq On : 12 Jun 2016 5:51
 Operator : UM/SJ
 Sample : H3501-24
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW1

Quant Time: Jun 13 01:11:47 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

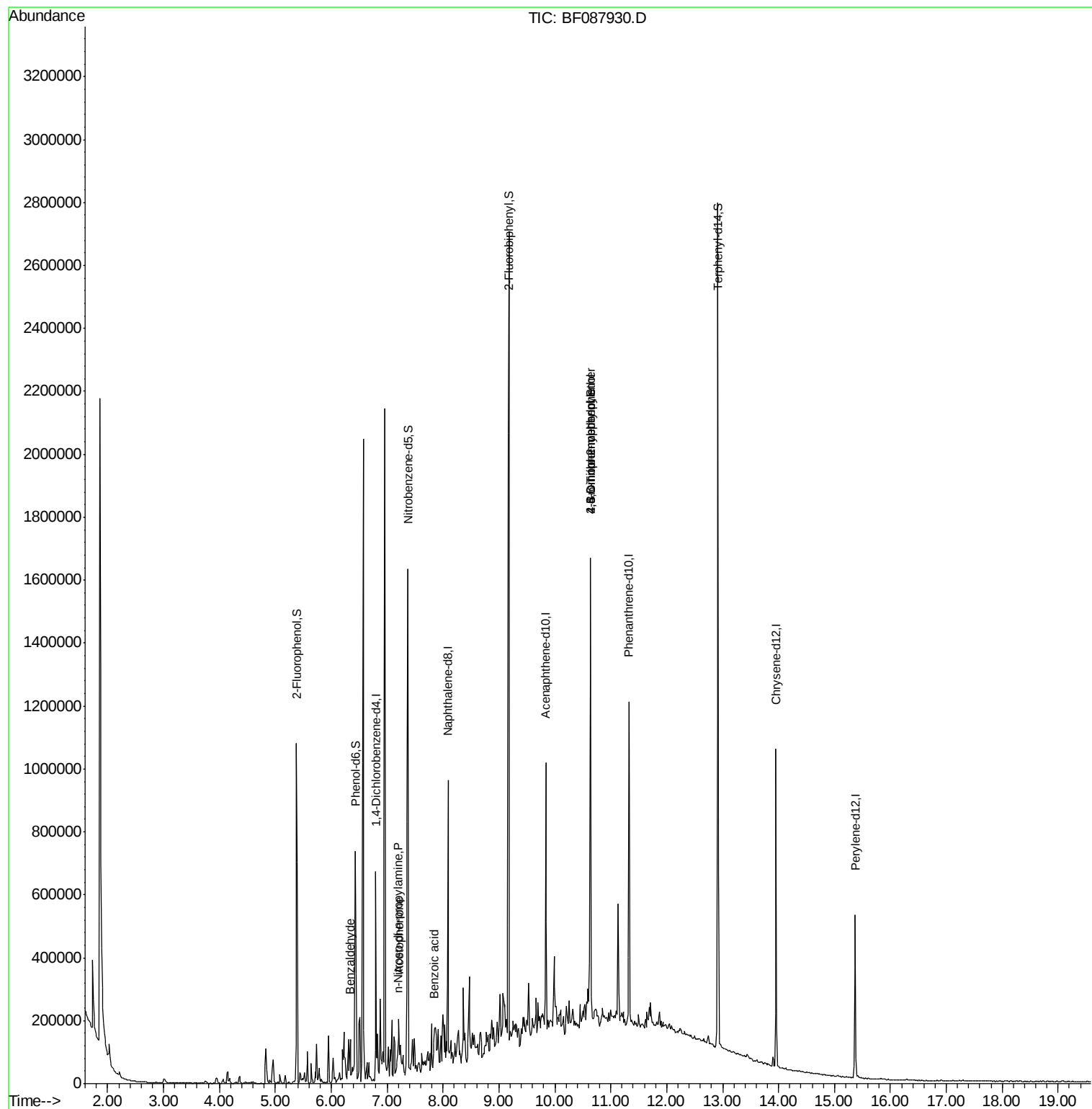
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	94519	20.00	ng	-0.05
21) Naphthalene-d8	8.09	136	401341	20.00	ng	-0.03
38) Acenaphthene-d10	9.84	164	171268	20.00	ng	-0.05
63) Phenanthrene-d10	11.32	188	349487	20.00	ng	-0.03
75) Chrysene-d12	13.95	240	317237	20.00	ng	-0.03
86) Perylene-d12	15.37	264	244821	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	412414	74.59	ng	-0.05
7) Phenol-d6	6.43	99	290777	43.40	ng	-0.05
23) Nitrobenzene-d5	7.37	82	608917	88.60	ng	-0.05
41) 2,4,6-Tribromophenol	10.64	330	234445	129.64	ng	-0.03
44) 2-Fluorobiphenyl	9.18	172	1170603	108.93	ng	-0.03
78) Terphenyl-d14	12.91	244	982899	70.50	ng	-0.03
Target Compounds						
9) Benzaldehyde	6.34	77	9517	2.19	ng	Qvalue 99
10) Phenol	6.44	94	4314	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.20	70	9905	2.31	ng	# 9
22) Acetophenone	7.21	105	20467	2.28	ng	# 88
32) Benzoic acid	7.84	122	14386	3.98	ng	97
45) 1,1'-Biphenyl	9.27	154	4863	Below Cal		94
57) Fluorene	10.39	166	4970	Below Cal	#	91
64) 4,6-Dinitro-2-methylphenol	10.64	198	628	2.44	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	16395	4.37	ng	# 1

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

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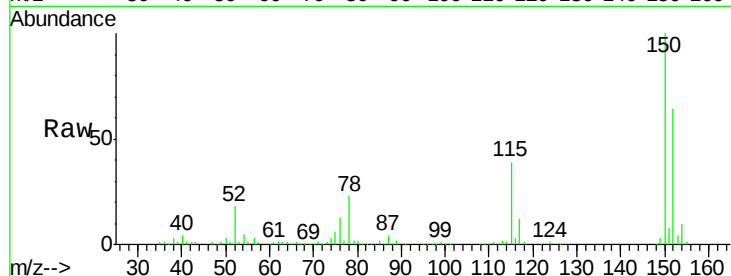




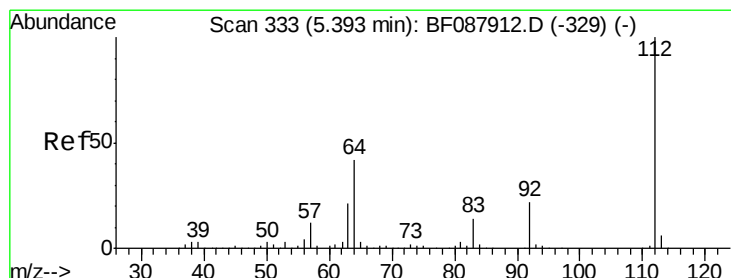
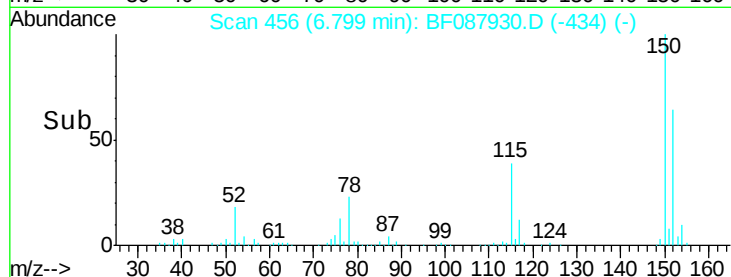
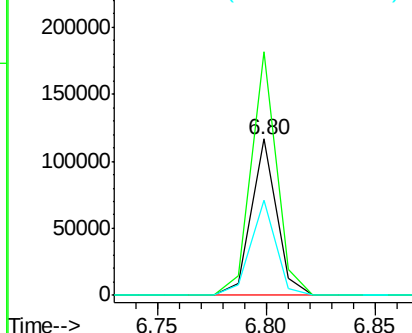
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.80 min Scan# 456
 Delta R.T. -0.05 min
 Lab File: BF087930.D
 Acq: 12 Jun 2016 5:51

Instrument :
 BNA_F
 ClientSampleId :
 MW1

Tgt Ion:152 Resp: 94519
 Ion Ratio Lower Upper
 152 100
 150 155.9 123.8 185.6
 115 61.0 39.6 59.4#

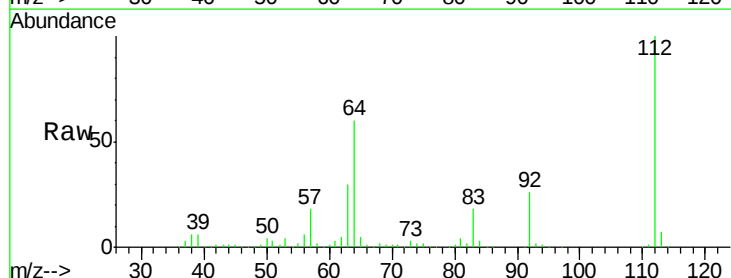


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

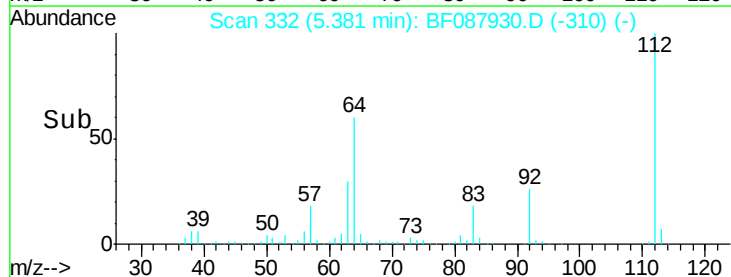
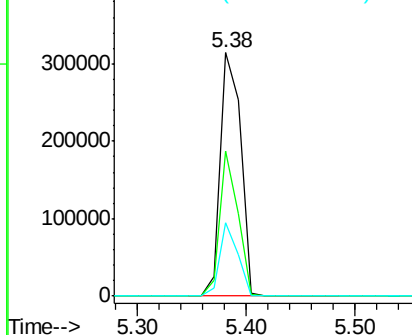


#5
 2-Fluorophenol
 Concen: 74.59 ng
 RT: 5.38 min Scan# 332
 Delta R.T. -0.05 min
 Lab File: BF087930.D
 Acq: 12 Jun 2016 5:51

Tgt Ion:112 Resp: 412414
 Ion Ratio Lower Upper
 112 100
 64 59.5 42.2 63.2
 63 30.4 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: 43.40 ng

RT: 6.43 min Scan# 424

Delta R.T. -0.05 min

Lab File: BF087930.D

Acq: 12 Jun 2016 5:51

Instrument :

BNA_F

ClientSampleId :

MW1

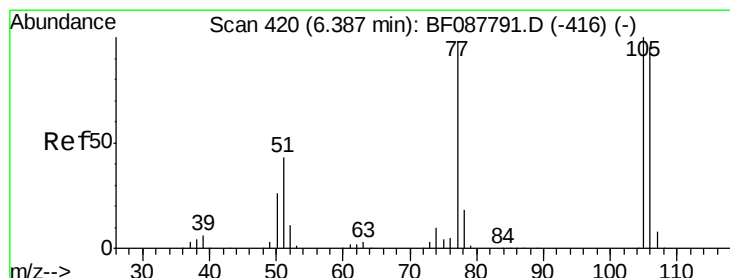
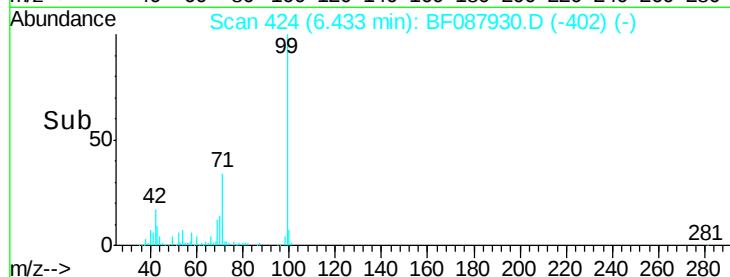
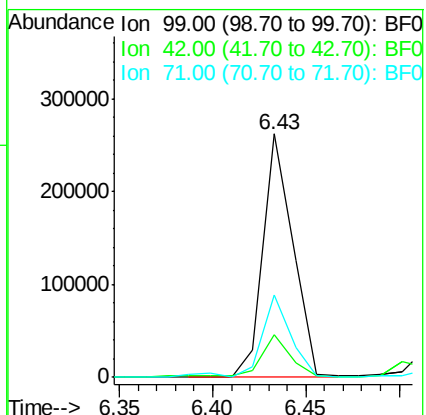
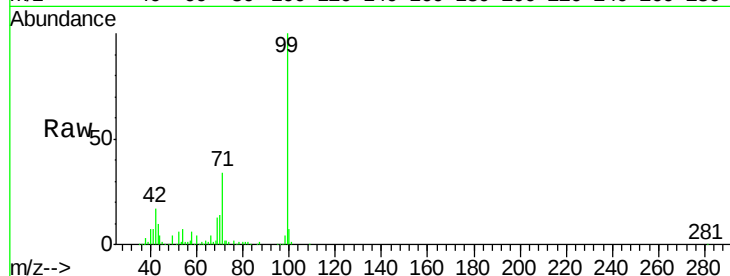
Tgt Ion: 99 Resp: 290777

Ion Ratio Lower Upper

99 100

42 17.5 12.2 18.2

71 33.7 23.4 35.0



#9

Benzaldehyde

Concen: 2.19 ng

RT: 6.34 min Scan# 416

Delta R.T. -0.05 min

Lab File: BF087930.D

Acq: 12 Jun 2016 5:51

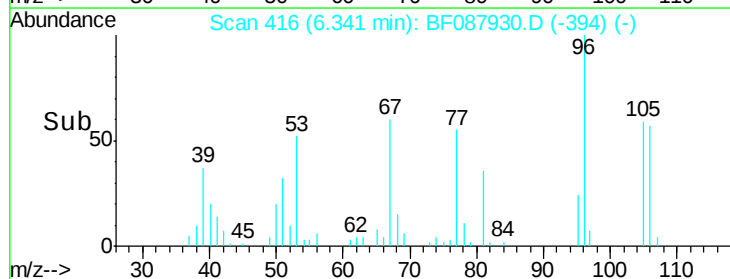
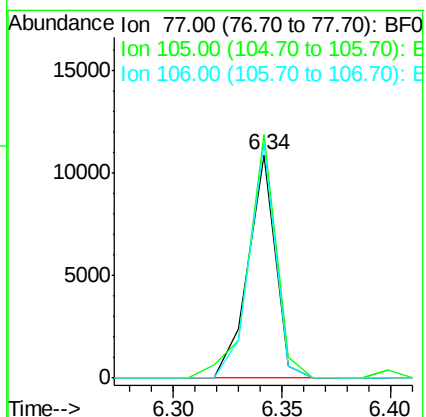
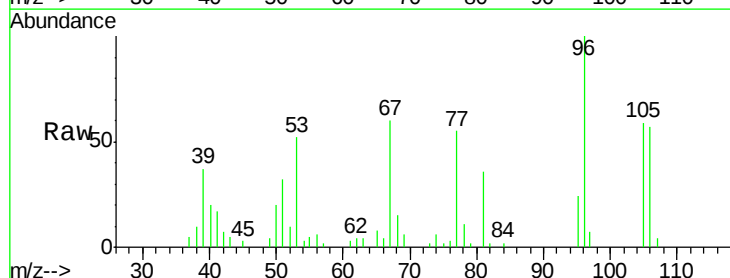
Tgt Ion: 77 Resp: 9517

Ion Ratio Lower Upper

77 100

105 109.0 90.6 130.6

106 104.9 85.3 125.3

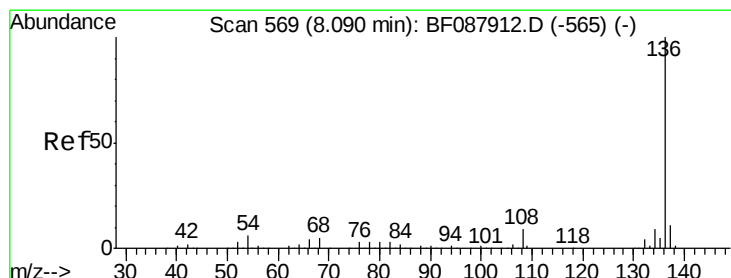
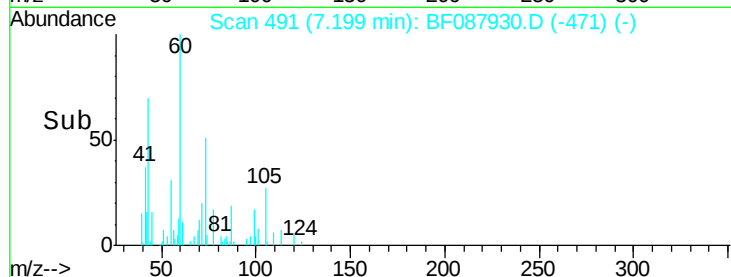
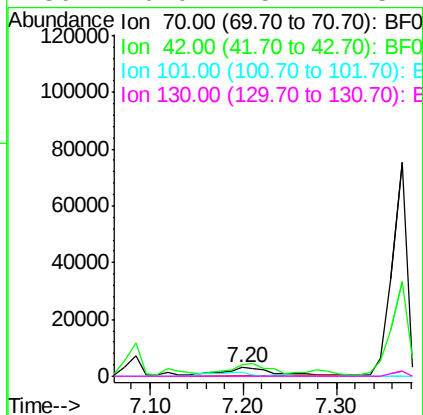
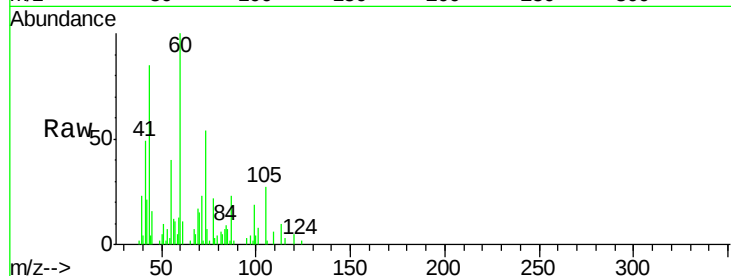




#19
n-Nitroso-di-n-propylamine
Concen: 2.31 ng
RT: 7.20 min Scan# 491
Delta R.T. -0.07 min
Lab File: BF087930.D
Acq: 12 Jun 2016 5:51

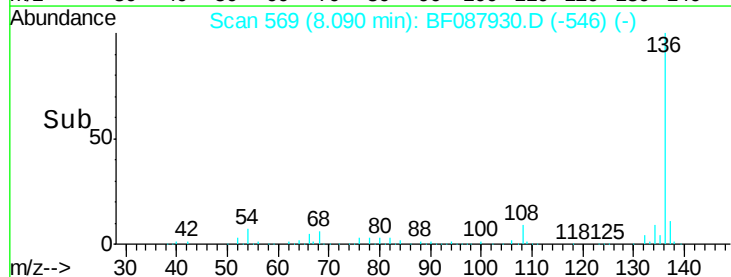
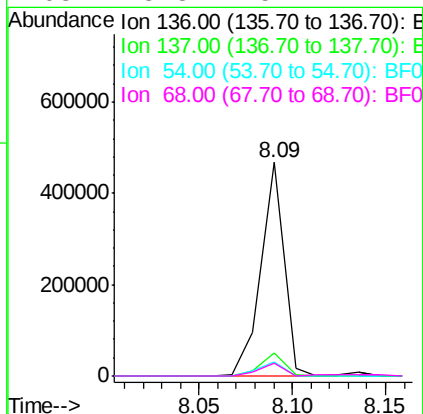
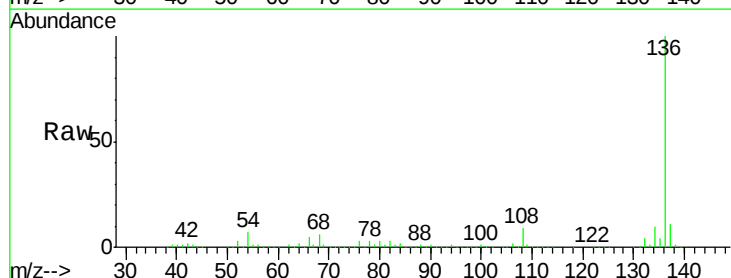
Instrument :
BNA_F
ClientSampleId :
MW1

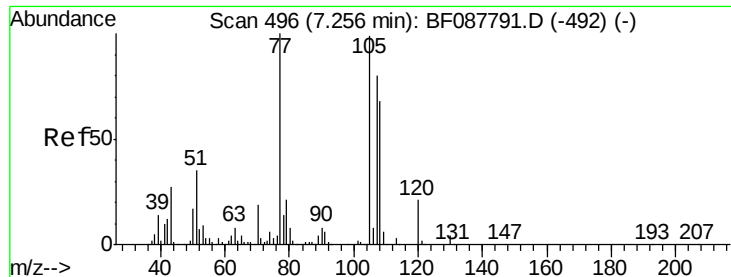
Tgt Ion:	70	Resp:	9905
Ion	Ratio	Lower	Upper
70	100		
42	140.6	49.6	74.4#
101	50.1	7.1	10.7#
130	0.0	15.4	23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 569
Delta R.T. -0.03 min
Lab File: BF087930.D
Acq: 12 Jun 2016 5:51

Tgt Ion:	136	Resp:	401341
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	6.8	6.6	10.0
68	5.8	5.1	7.7





#22

Acetophenone

Concen: 2.28 ng

RT: 7.21 min Scan# 492

Delta R.T. -0.05 min

Lab File: BF087930.D

Acq: 12 Jun 2016 5:51

Instrument :

BNA_F

ClientSampleId :

MW1

Tgt Ion: 105 Resp: 20467

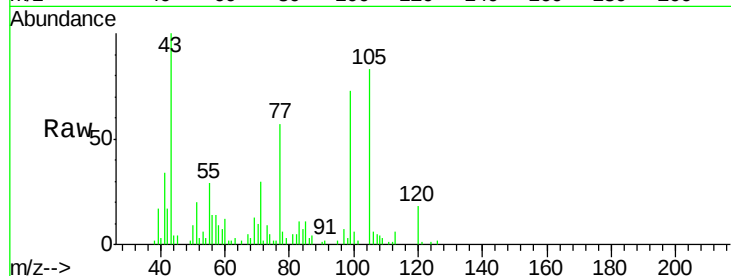
Ion Ratio Lower Upper

105 100

71 35.9 5.3 7.9#

51 23.7 18.2 27.4

120 21.8 18.0 27.0

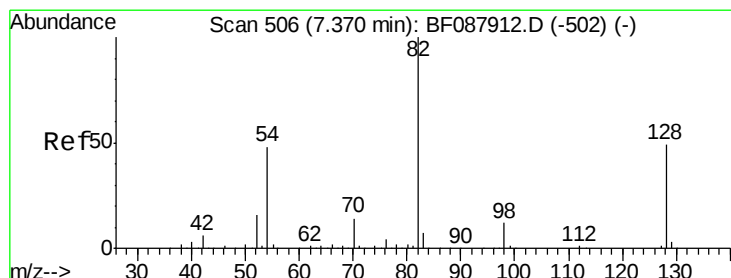
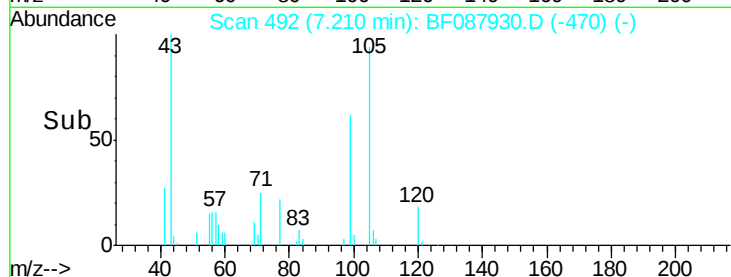
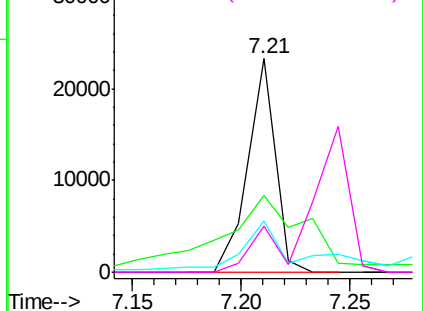


Abundance Ion 105.00 (104.70 to 105.70): E

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: 88.60 ng

RT: 7.37 min Scan# 506

Delta R.T. -0.05 min

Lab File: BF087930.D

Acq: 12 Jun 2016 5:51

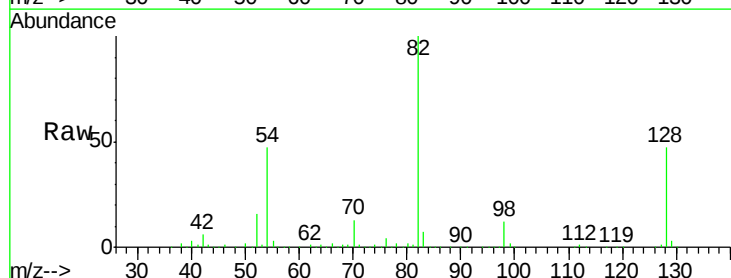
Tgt Ion: 82 Resp: 608917

Ion Ratio Lower Upper

82 100

128 47.0 35.9 53.9

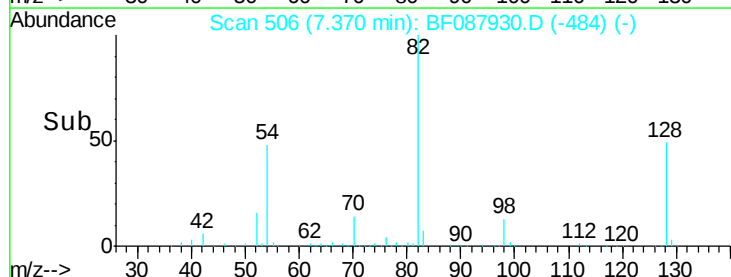
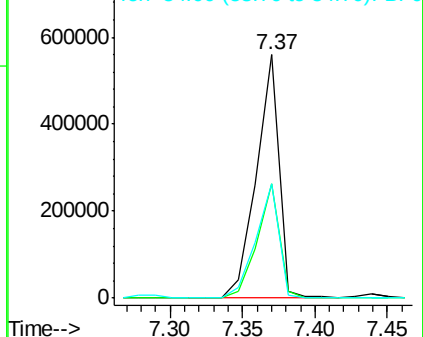
54 47.2 40.9 61.3

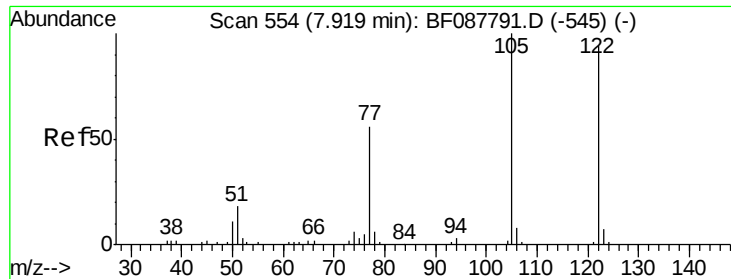


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#32

Benzoic acid

Concen: 3.98 ng

RT: 7.84 min Scan# 547

Delta R.T. -0.08 min

Lab File: BF087930.D

Acq: 12 Jun 2016 5:51

Instrument :

BNA_F

ClientSampleId :

MW1

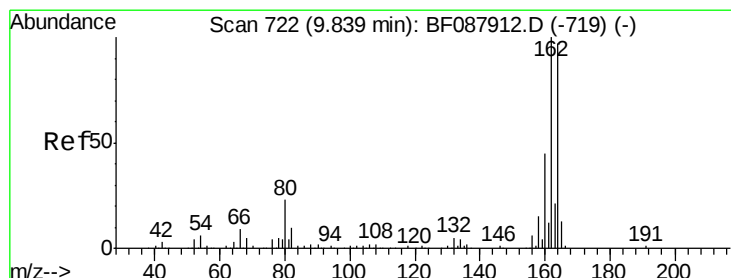
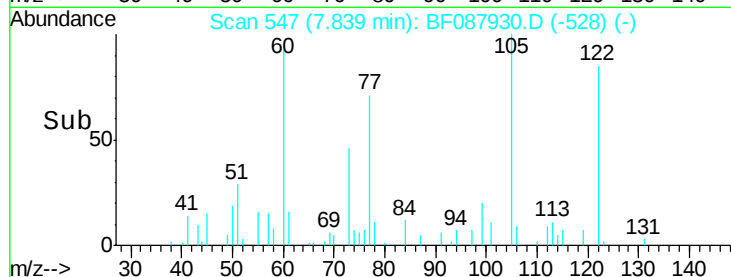
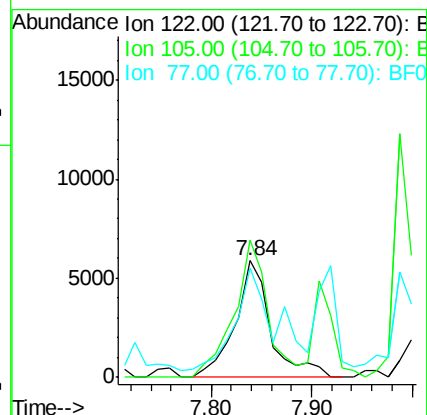
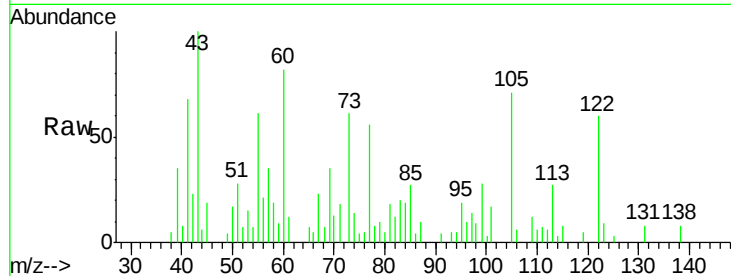
Tgt Ion:122 Resp: 14386

Ion Ratio Lower Upper

122 100

105 118.0 101.6 141.6

77 93.5 70.6 110.6



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.84 min Scan# 722

Delta R.T. -0.05 min

Lab File: BF087930.D

Acq: 12 Jun 2016 5:51

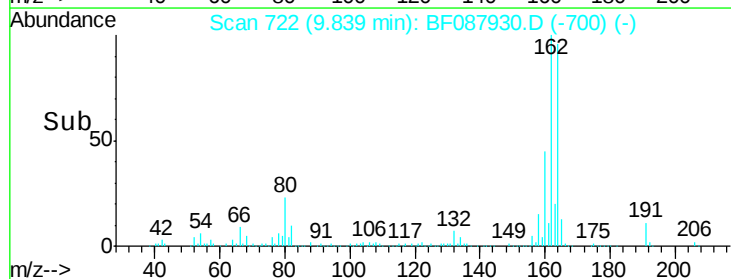
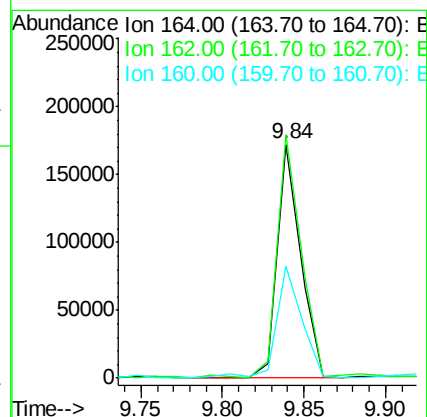
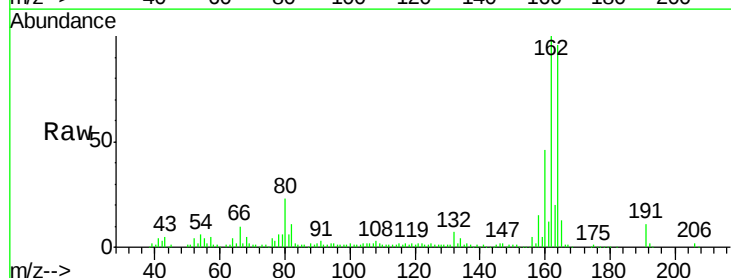
Tgt Ion:164 Resp: 171268

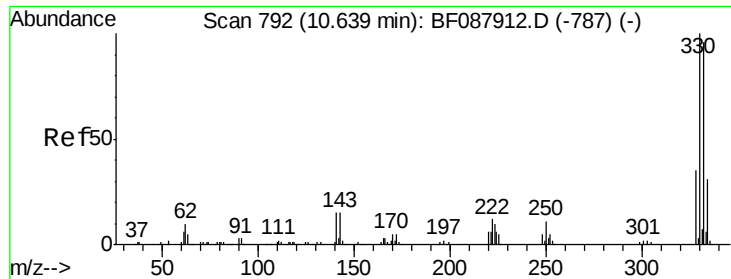
Ion Ratio Lower Upper

164 100

162 104.0 85.4 128.2

160 47.7 39.5 59.3

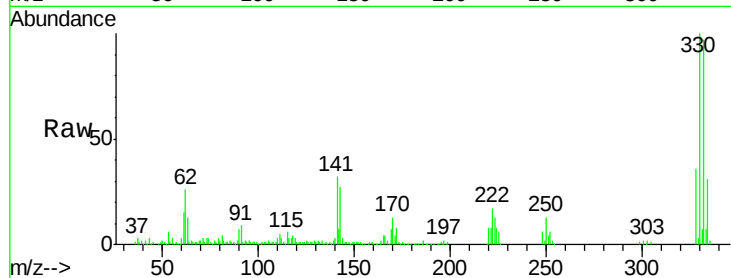




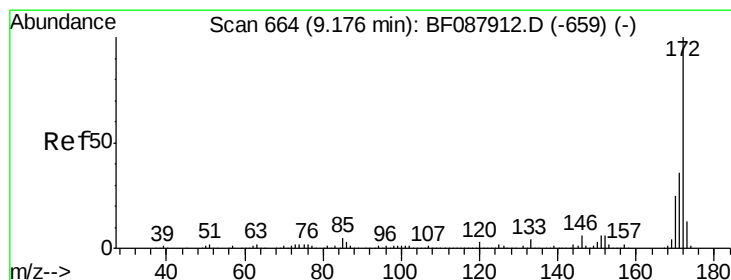
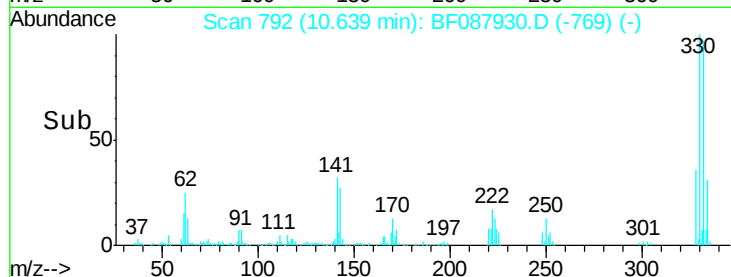
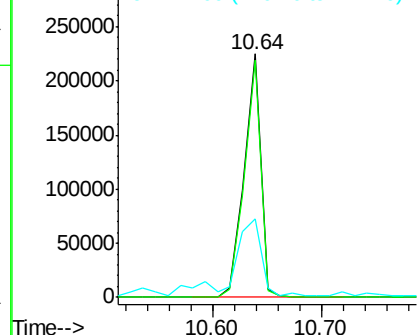
#41
 2,4,6-Tribromophenol
 Concen: 129.64 ng
 RT: 10.64 min Scan# 792
 Delta R.T. -0.03 min
 Lab File: BF087930.D
 Acq: 12 Jun 2016 5:51

Instrument :
 BNA_F
 ClientSampleId :
 MW1

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.5	0.0	0.0#
141	44.4	0.0	0.0#

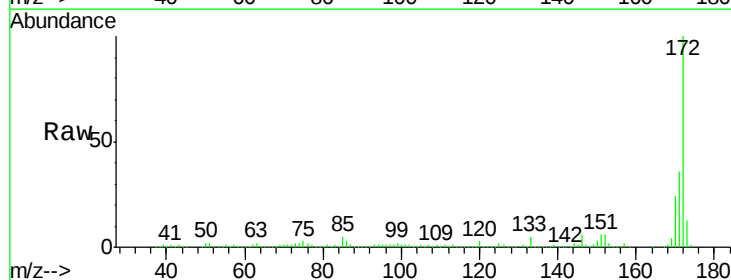


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

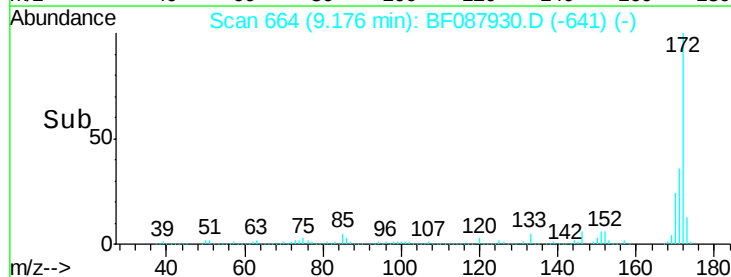
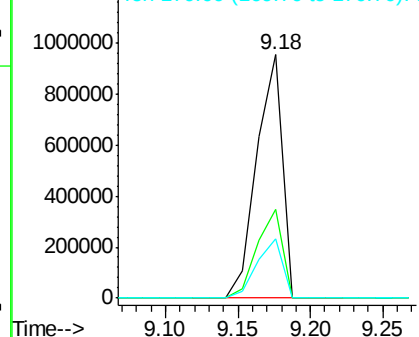


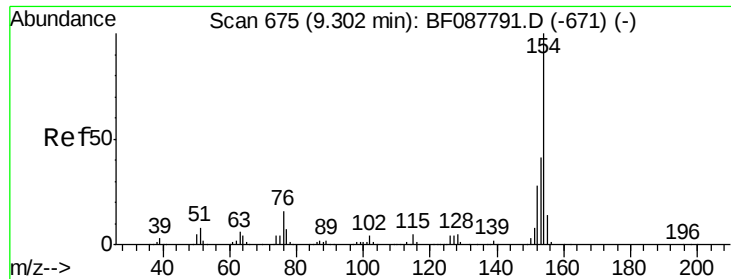
#44
 2-Fluorobiphenyl
 Concen: 108.93 ng
 RT: 9.18 min Scan# 664
 Delta R.T. -0.03 min
 Lab File: BF087930.D
 Acq: 12 Jun 2016 5:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.6	43.0
170	24.4	19.2	28.8



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

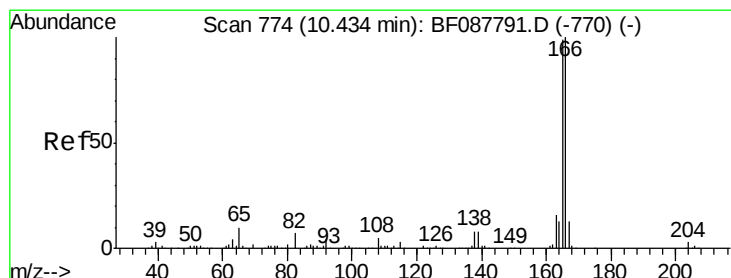
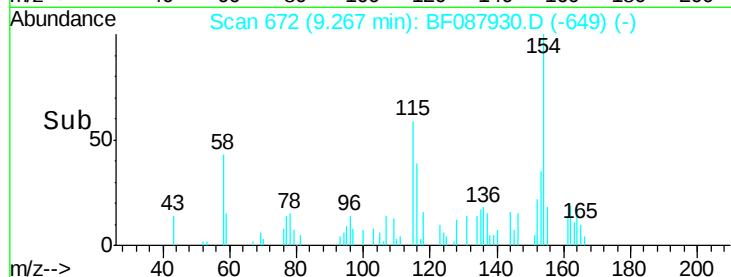
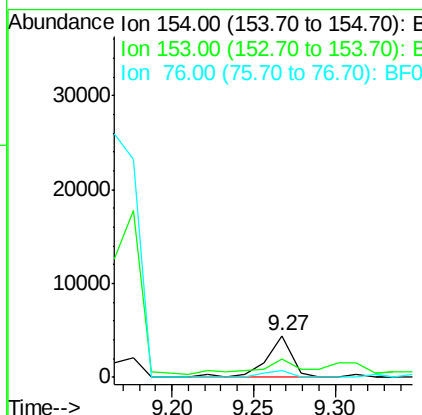
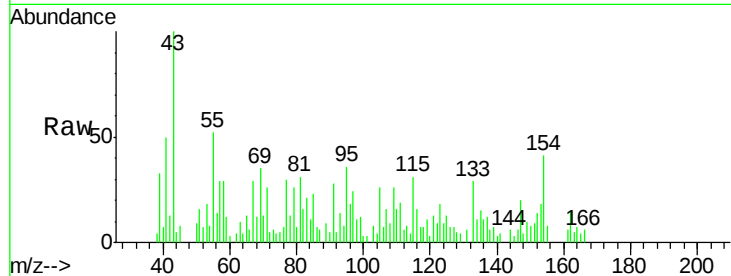




#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.27 min Scan# 672
 Delta R.T. -0.03 min
 Lab File: BF087930.D
 Acq: 12 Jun 2016 5:51

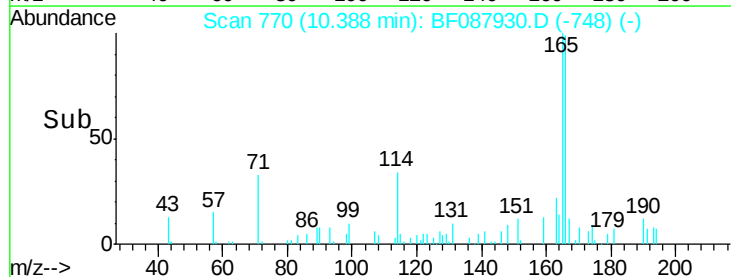
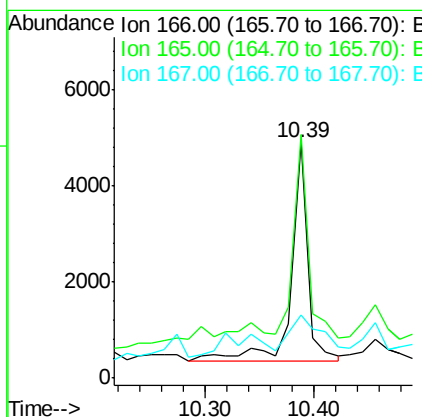
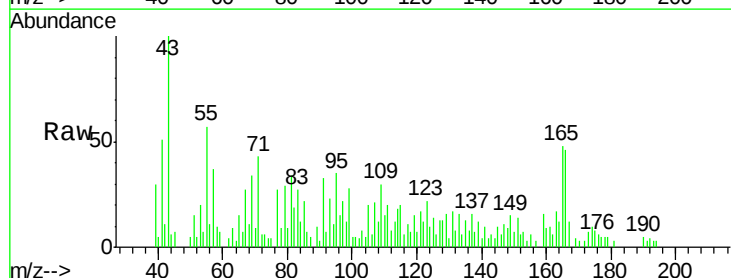
Instrument :
 BNA_F
 ClientSampleId :
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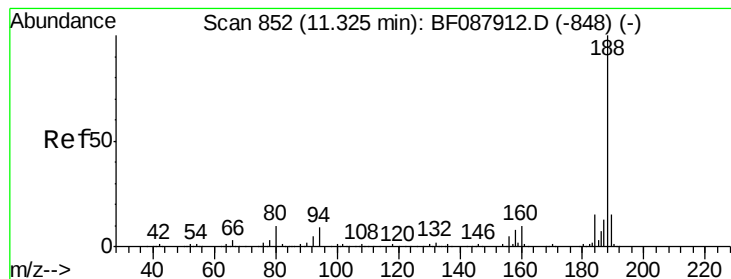
Tgt Ion:154 Resp: 4863
 Ion Ratio Lower Upper
 154 100
 153 44.8 20.6 60.6
 76 17.5 0.0 35.1



#57
 Fluorene
 Concen: Below Cal
 RT: 10.39 min Scan# 770
 Delta R.T. -0.05 min
 Lab File: BF087930.D
 Acq: 12 Jun 2016 5:51

Tgt Ion:166 Resp: 4970
 Ion Ratio Lower Upper
 166 100
 165 103.3 77.8 116.8
 167 27.0 11.2 16.8#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.32 min Scan# 852

Delta R.T. -0.03 min

Lab File: BF087930.D

Acq: 12 Jun 2016 5:51

Instrument :

BNA_F

ClientSampleId :

MW1

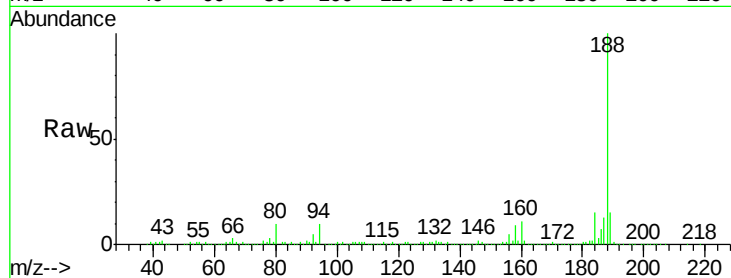
Tgt Ion:188 Resp: 349487

Ion Ratio Lower Upper

188 100

94 9.6 9.0 13.6

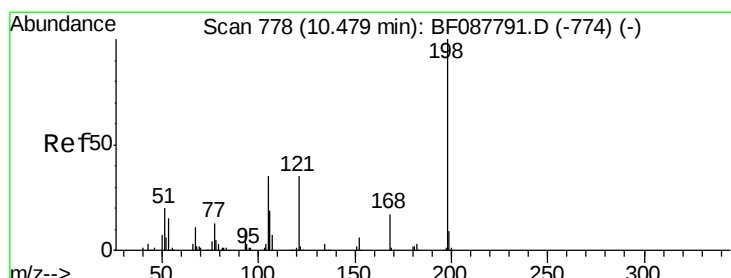
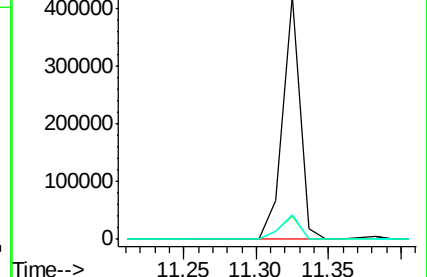
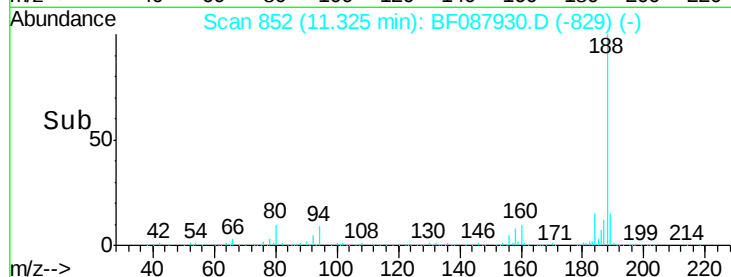
80 10.0 10.0 15.0



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: 2.44 ng

RT: 10.64 min Scan# 792

Delta R.T. 0.16 min

Lab File: BF087930.D

Acq: 12 Jun 2016 5:51

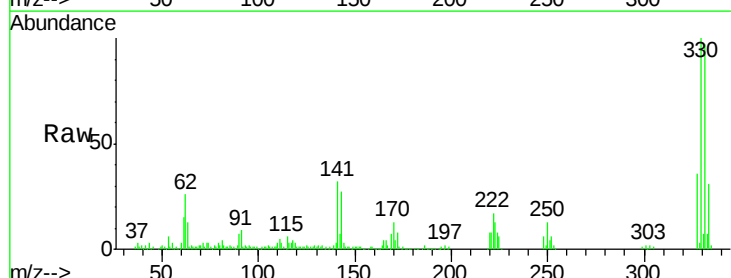
Tgt Ion:198 Resp: 628

Ion Ratio Lower Upper

198 100

51 527.2 39.6 79.6#

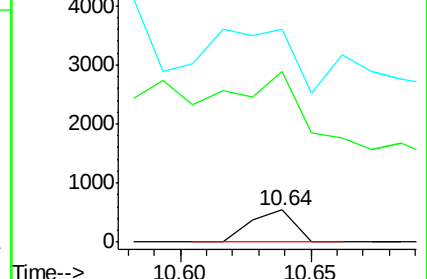
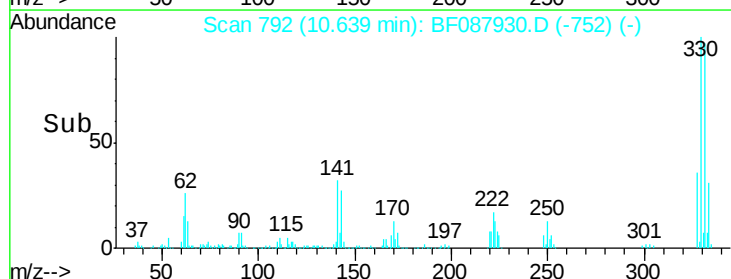
105 660.9 36.6 76.6#



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

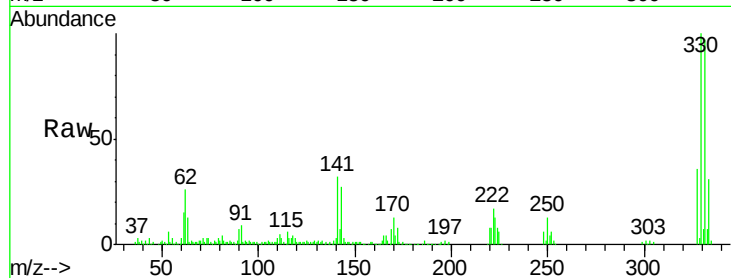




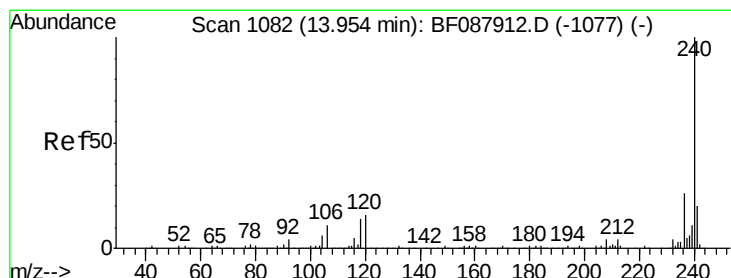
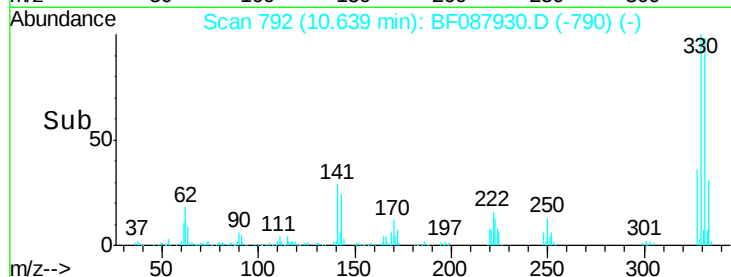
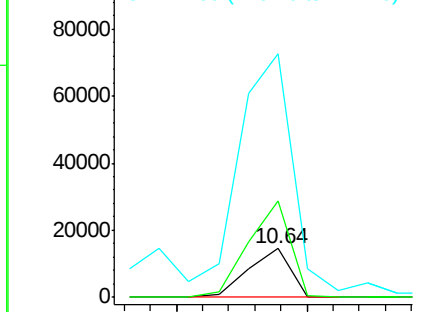
#66
4-Bromophenyl-phenylether
Concen: 4.37 ng
RT: 10.64 min Scan# 792
Delta R.T. -0.27 min
Lab File: BF087930.D
Acq: 12 Jun 2016 5:51

Instrument :
BNA_F
ClientSampleId :
MW1

Tgt Ion:248 Resp: 16395
Ion Ratio Lower Upper
248 100
250 197.1 77.1 115.7#
141 497.3 50.6 76.0#

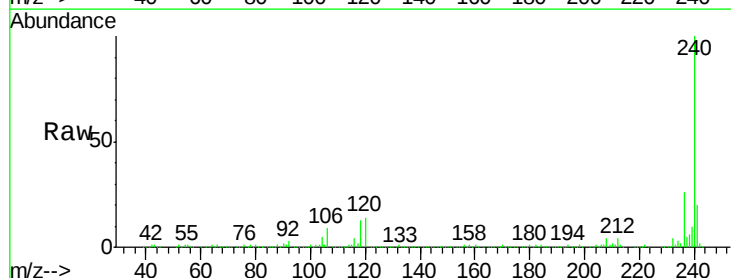


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

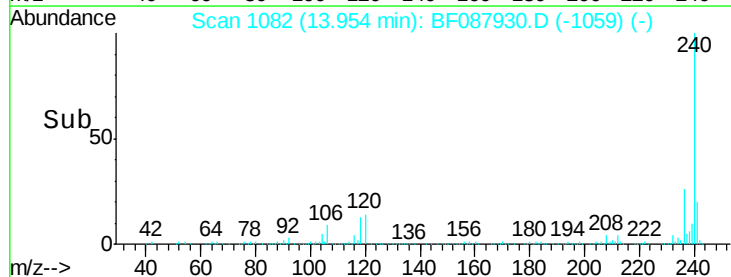
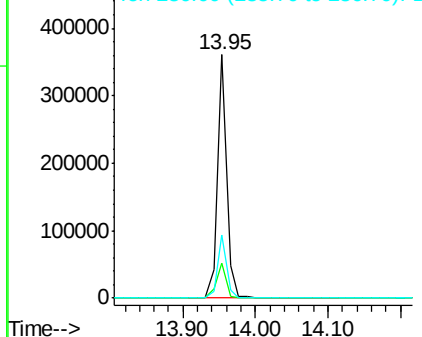


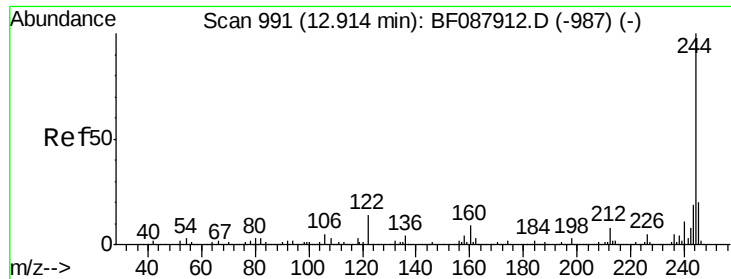
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.95 min Scan# 1082
Delta R.T. -0.03 min
Lab File: BF087930.D
Acq: 12 Jun 2016 5:51

Tgt Ion:240 Resp: 317237
Ion Ratio Lower Upper
240 100
120 14.3 6.8 10.2#
236 25.9 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

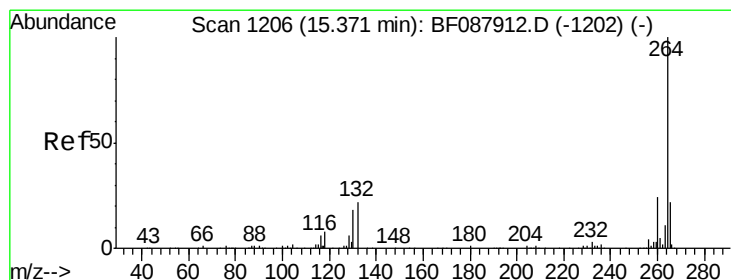
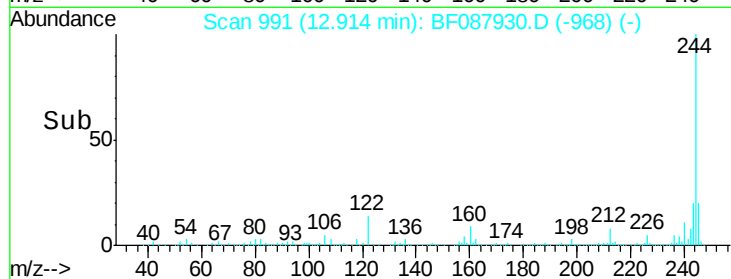
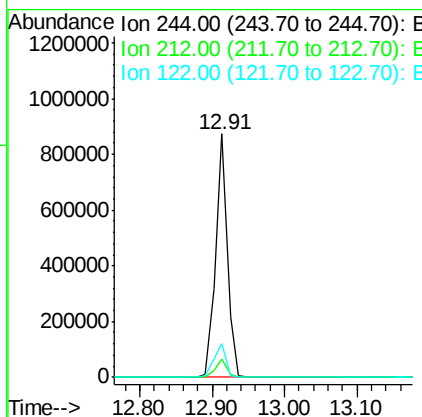
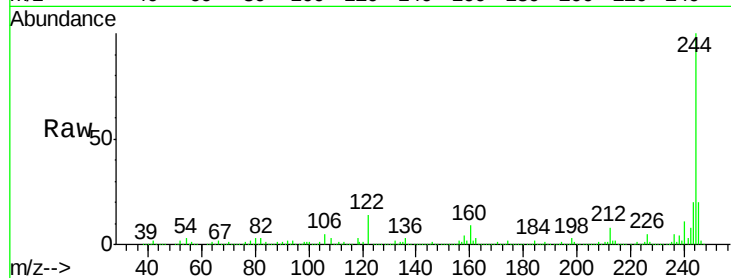




#78
 Terphenyl-d14
 Concen: 70.50 ng
 RT: 12.91 min Scan# 991
 Delta R.T. -0.03 min
 Lab File: BF087930.D
 Acq: 12 Jun 2016 5:51

Instrument :
 BNA_F
 ClientSampleId :
 MW1

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.0	9.0
122	13.7	11.2	16.8



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.37 min Scan# 1206
 Delta R.T. -0.02 min
 Lab File: BF087930.D
 Acq: 12 Jun 2016 5:51

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.6	16.9	25.3

