

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060416\
 Data File : BF087691.D
 Acq On : 5 Jun 2016 6:10
 Operator : UM/SJ
 Sample : H3344-03
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-9

Quant Time: Jun 06 01:14:12 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 04 11:07:28 2016
 Response via : Initial Calibration

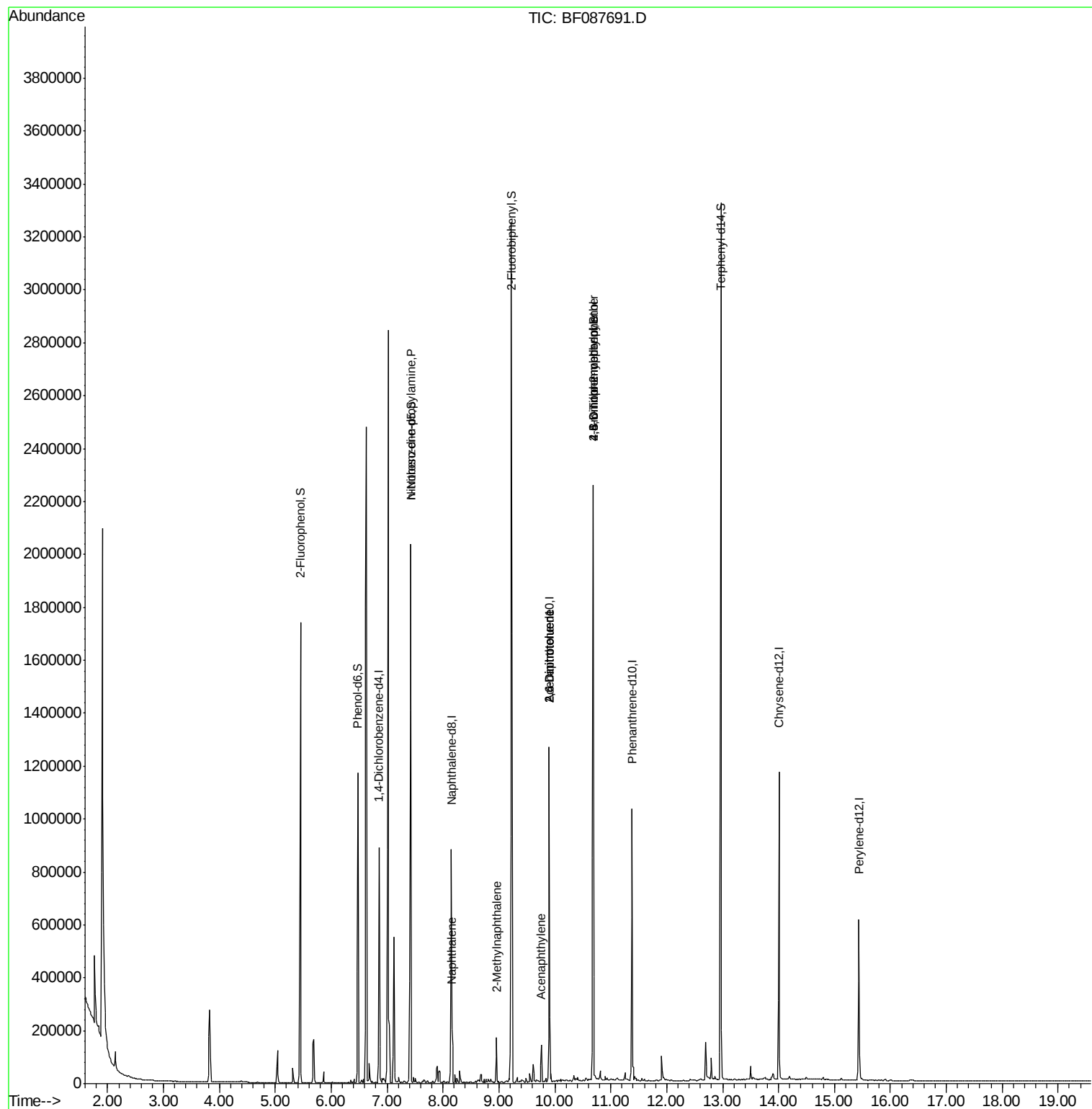
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	126429	20.00	ng	-0.01
21) Naphthalene-d8	8.15	136	516904	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	241956	20.00	ng	-0.01
63) Phenanthrene-d10	11.38	188	455583	20.00	ng	0.00
75) Chrysene-d12	14.01	240	379767	20.00	ng	-0.01
86) Perylene-d12	15.44	264	285827	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	489528	62.58	ng	0.00
7) Phenol-d6	6.48	99	421180	42.94	ng	-0.01
23) Nitrobenzene-d5	7.43	82	902064	100.97	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	312876	128.82	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1425217	93.43	ng	-0.01
78) Terphenyl-d14	12.97	244	1116596	71.74	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.43	70	121539	19.84	ng	Qvalue # 73
31) Naphthalene	8.16	128	120782	4.81	ng	99
37) 2-Methylnaphthalene	8.96	142	53963	3.25	ng	95
48) Acenaphthylene	9.76	152	66251	2.72	ng	99
50) 2,6-Dinitrotoluene	9.90	165	31649	7.91	ng	# 40
56) 2,4-Dinitrotoluene	9.90	165	31644	6.21	ng	# 38
64) 4,6-Dinitro-2-methylphenol	10.68	198	514	2.21	ng	# 1
66) 4-Bromophenyl-phenylether	10.68	248	18303	4.05	ng	# 1

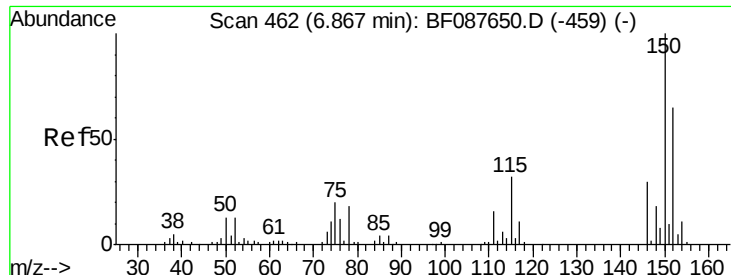
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jun 04 11:07:28 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.86 min Scan# 461

Delta R.T. -0.01 min

Lab File: BF087691.D

Acq: 5 Jun 2016 6:10

Instrument :

BNA_F

ClientSampleId :

MW-9

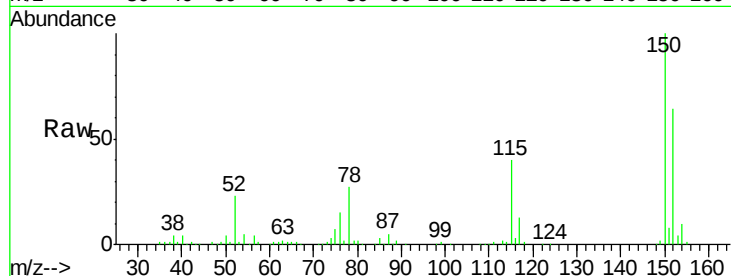
Tgt Ion:152 Resp: 126429

Ion Ratio Lower Upper

152 100

150 155.9 123.8 185.6

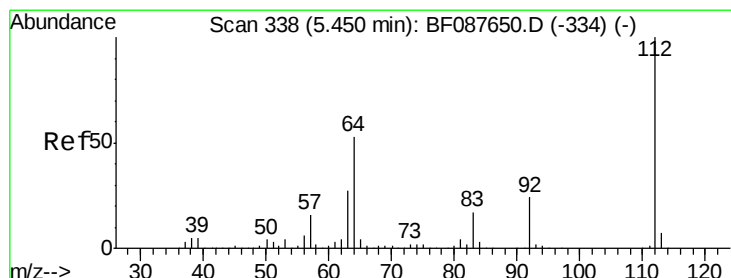
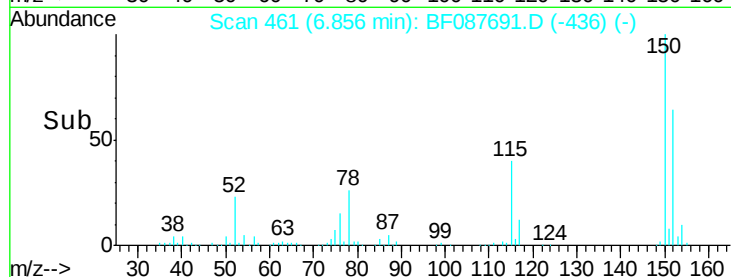
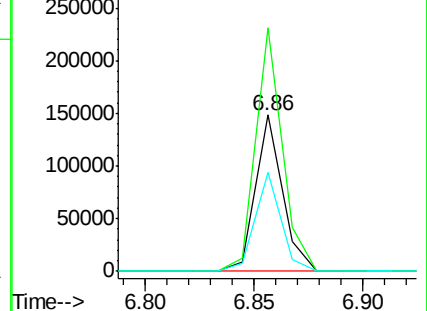
115 63.1 39.6 59.4#



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: 62.58 ng

RT: 5.45 min Scan# 338

Delta R.T. 0.00 min

Lab File: BF087691.D

Acq: 5 Jun 2016 6:10

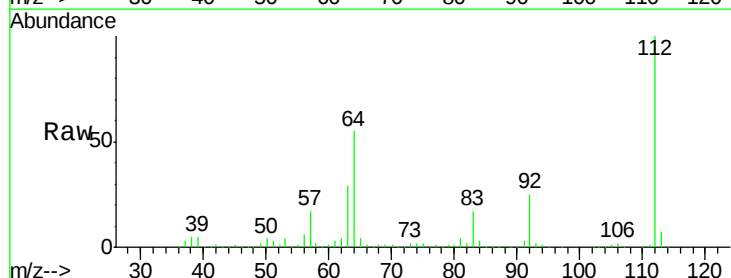
Tgt Ion:112 Resp: 489528

Ion Ratio Lower Upper

112 100

64 54.6 42.2 63.2

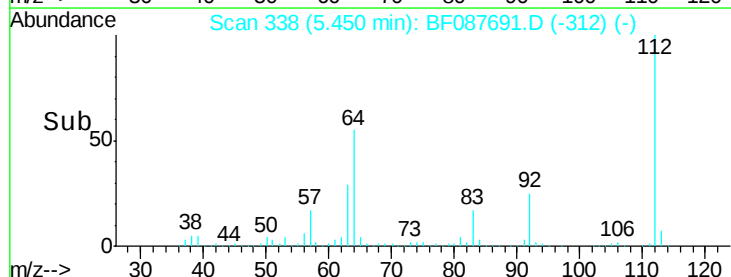
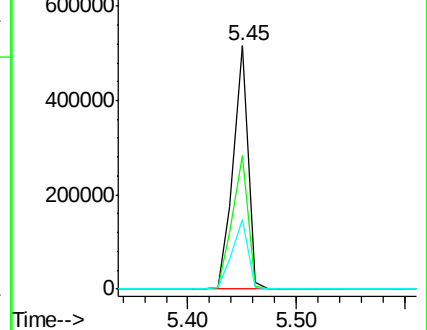
63 28.6 21.8 32.8

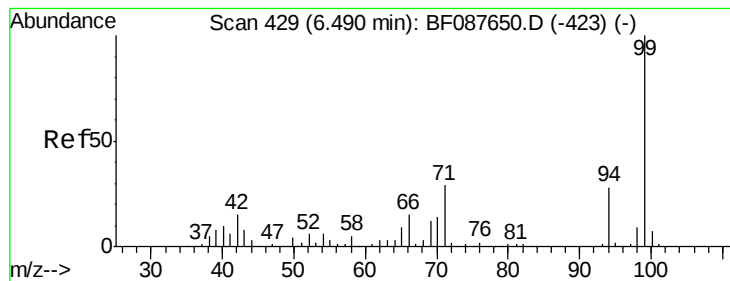


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 42.94 ng

RT: 6.48 min Scan# 428

Delta R.T. -0.01 min

Lab File: BF087691.D

Acq: 5 Jun 2016 6:10

Instrument :

BNA_F

ClientSampleId :

MW-9

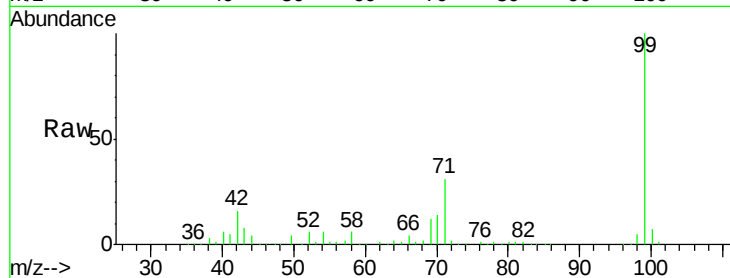
Tgt Ion: 99 Resp: 421180

Ion Ratio Lower Upper

99 100

42 15.7 12.2 18.2

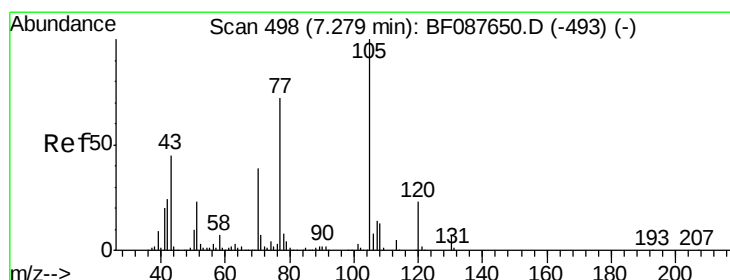
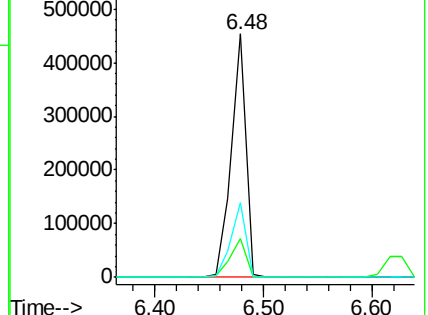
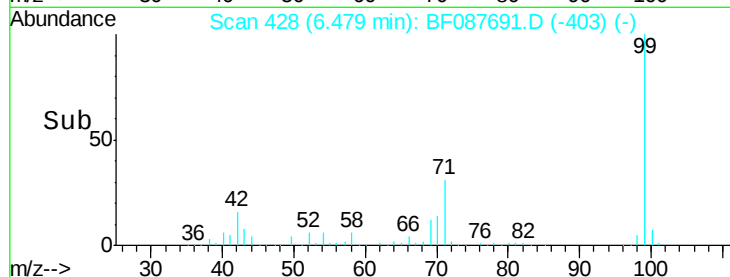
71 30.7 23.4 35.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 19.84 ng

RT: 7.43 min Scan# 511

Delta R.T. 0.15 min

Lab File: BF087691.D

Acq: 5 Jun 2016 6:10

Tgt Ion: 70 Resp: 121539

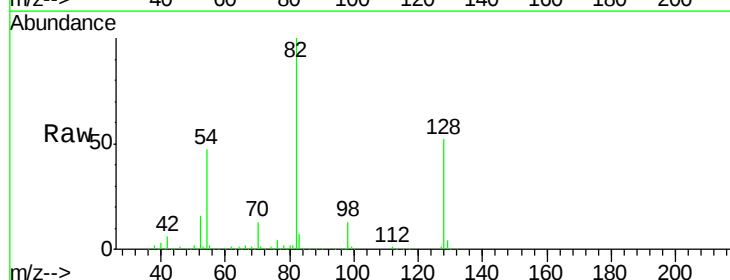
Ion Ratio Lower Upper

70 100

42 42.9 49.6 74.4#

101 0.0 7.1 10.7#

130 2.6 15.4 23.2#

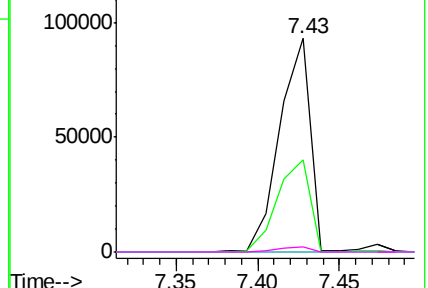
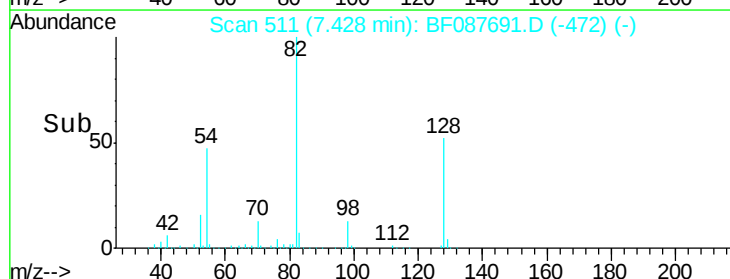


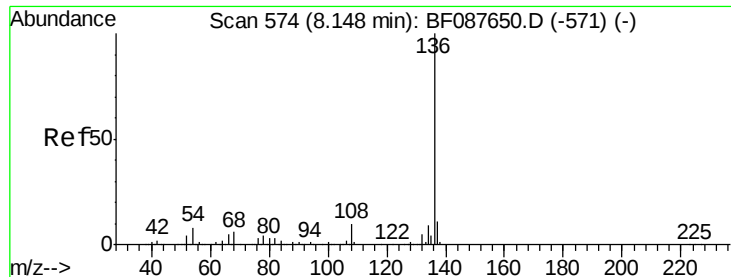
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 8.15 min Scan# 574

Delta R.T. 0.00 min

Lab File: BF087691.D

Acq: 5 Jun 2016 6:10

Instrument :

BNA_F

ClientSampleId :

MW-9

Tgt Ion:136 Resp: 516904

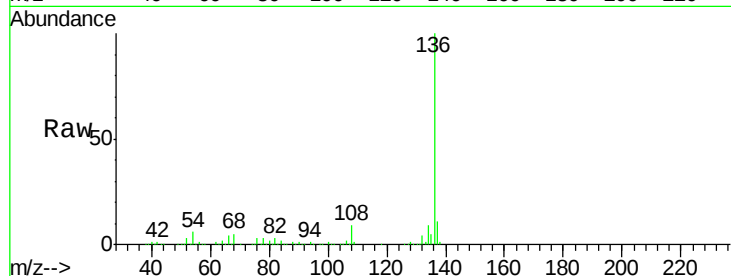
Ion Ratio Lower Upper

136 100

137 10.8 9.1 13.7

54 5.8 6.6 10.0#

68 4.8 5.1 7.7#

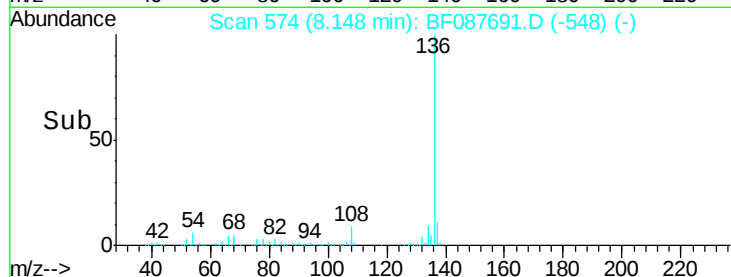


Abundance Ion 136.00 (135.70 to 136.70): E

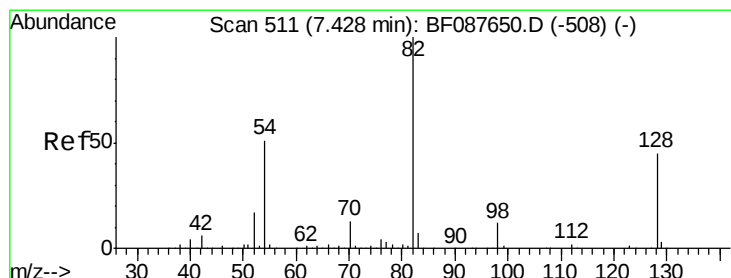
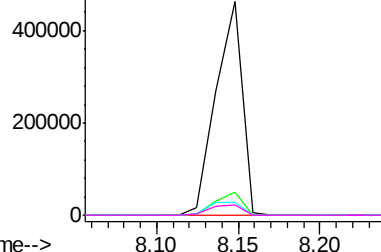
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 100.97 ng

RT: 7.43 min Scan# 511

Delta R.T. 0.00 min

Lab File: BF087691.D

Acq: 5 Jun 2016 6:10

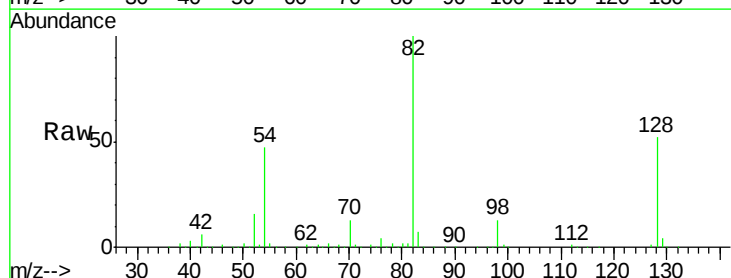
Tgt Ion: 82 Resp: 902064

Ion Ratio Lower Upper

82 100

128 51.7 35.9 53.9

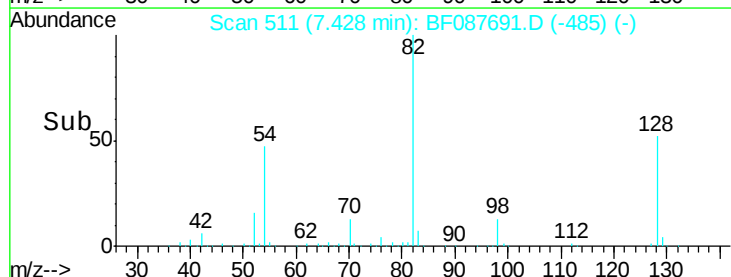
54 46.9 40.9 61.3



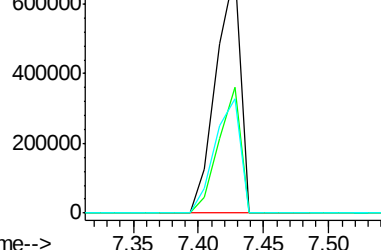
Abundance Ion 82.00 (81.70 to 82.70): BF0

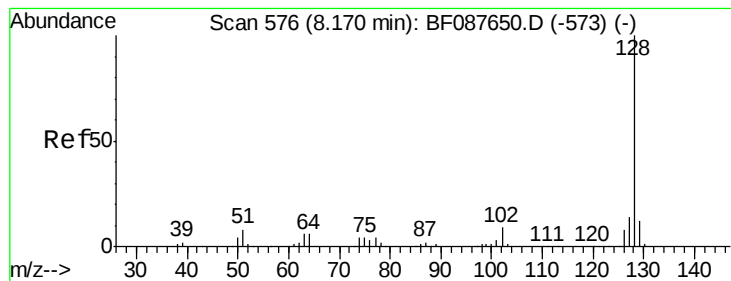
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->





#31

Naphthalene

Concen: 4.81 ng

RT: 8.16 min Scan# 575

Delta R.T. -0.01 min

Lab File: BF087691.D

Acq: 5 Jun 2016 6:10

Instrument :

BNA_F

ClientSampleId :

MW-9

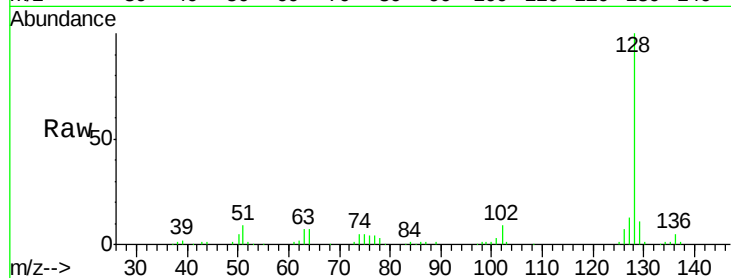
Tgt Ion:128 Resp: 120782

Ion Ratio Lower Upper

128 100

129 11.3 9.4 14.2

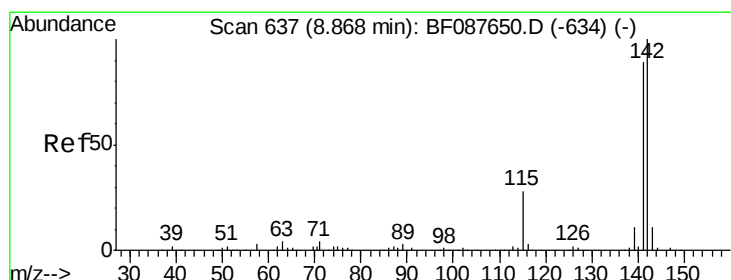
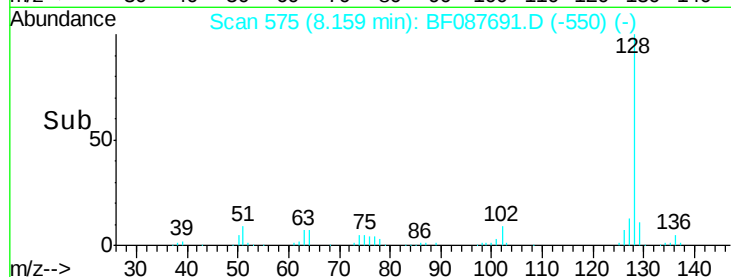
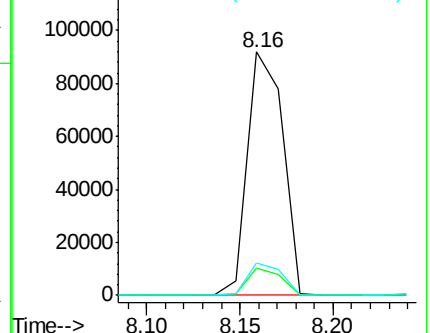
127 13.2 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 3.25 ng

RT: 8.96 min Scan# 645

Delta R.T. 0.09 min

Lab File: BF087691.D

Acq: 5 Jun 2016 6:10

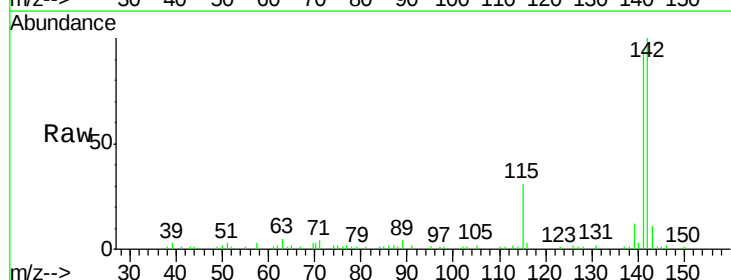
Tgt Ion:142 Resp: 53963

Ion Ratio Lower Upper

142 100

141 92.9 71.0 106.6

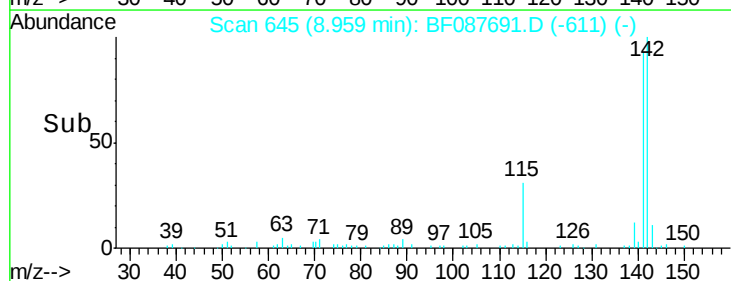
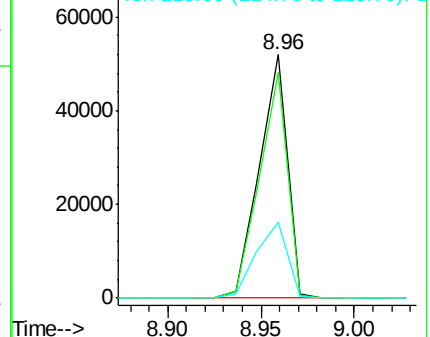
115 31.4 22.6 33.8

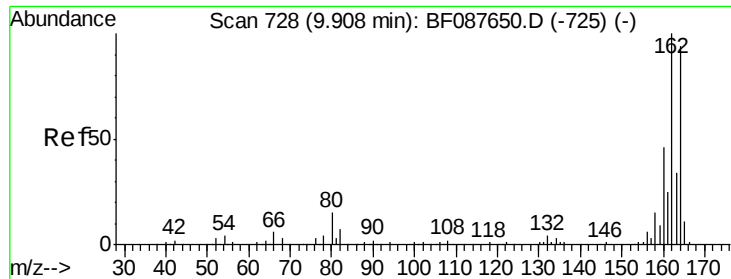


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.90 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF087691.D

Acq: 5 Jun 2016 6:10

Instrument :

BNA_F

ClientSampleId :

MW-9

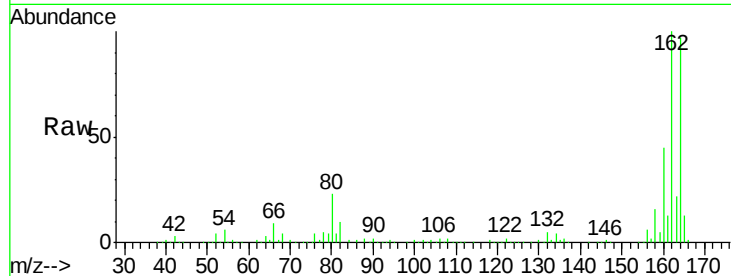
Tgt Ion:164 Resp: 241956

Ion Ratio Lower Upper

164 100

162 102.7 85.4 128.2

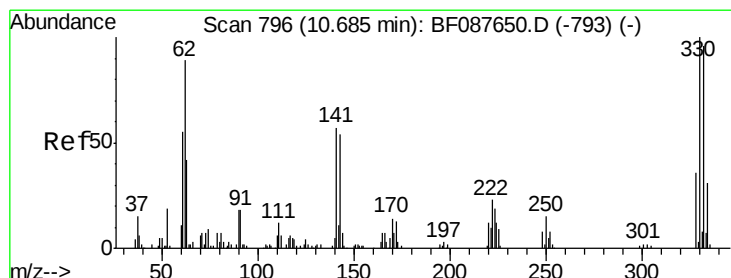
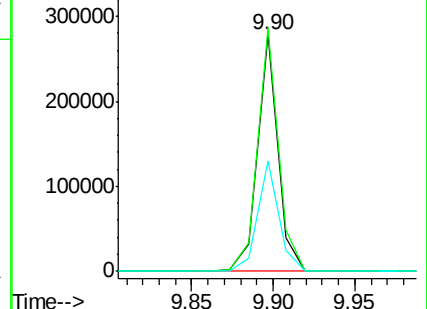
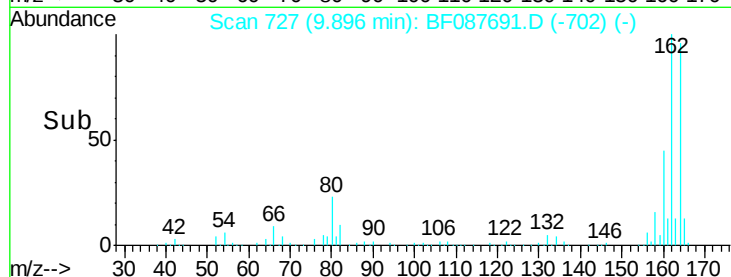
160 46.7 39.5 59.3



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: 128.82 ng

RT: 10.68 min Scan# 796

Delta R.T. 0.00 min

Lab File: BF087691.D

Acq: 5 Jun 2016 6:10

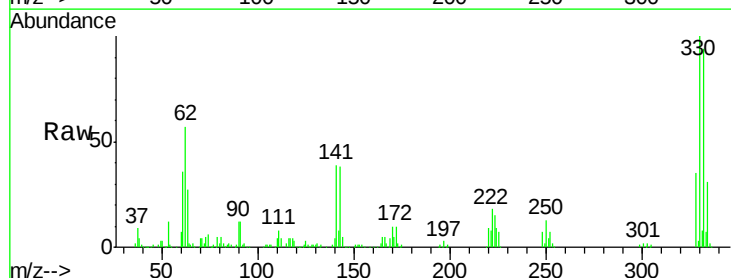
Tgt Ion:330 Resp: 312876

Ion Ratio Lower Upper

330 100

332 95.8 0.0 0.0#

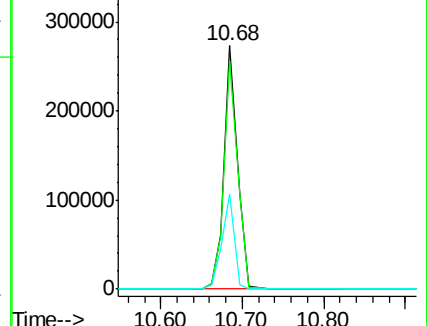
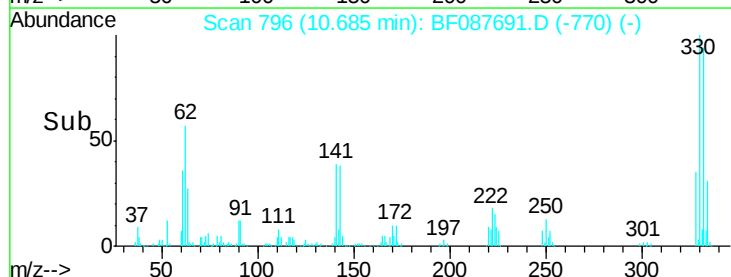
141 36.1 0.0 0.0#

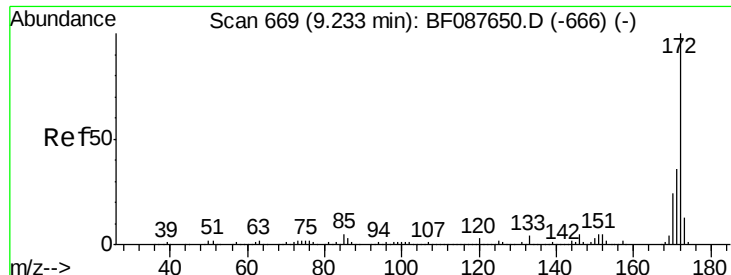


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



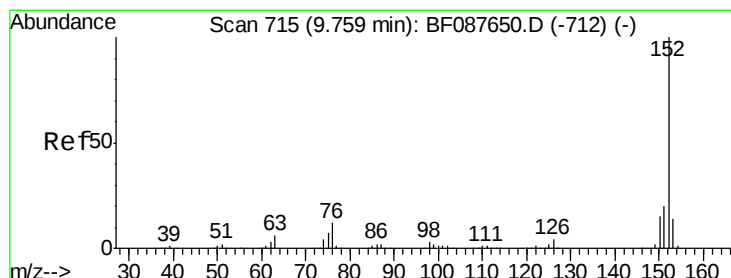
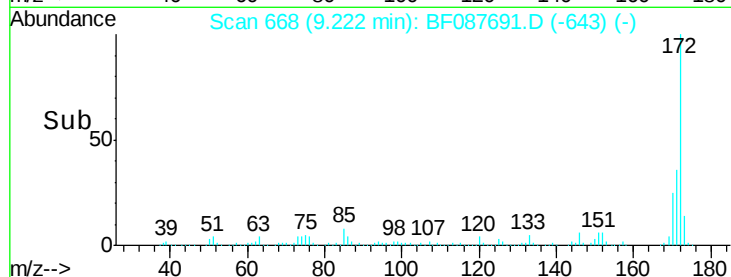
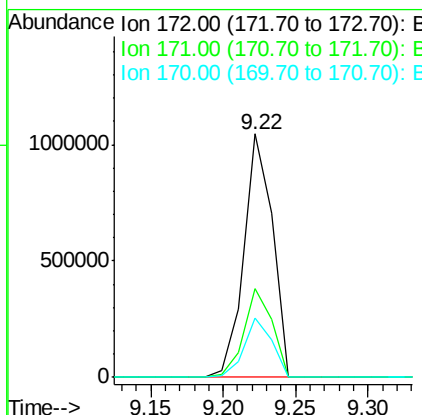
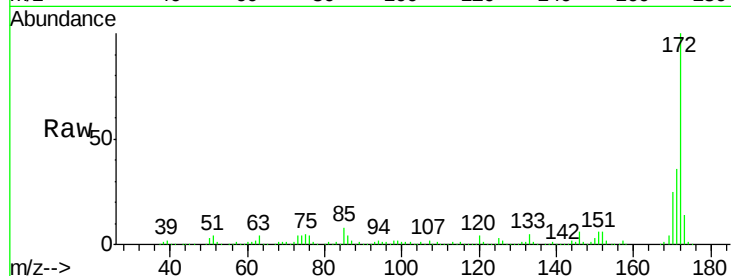


#44
 2-Fluorobiphenyl
 Concen: 93.43 ng
 RT: 9.22 min Scan# 668
 Delta R.T. -0.01 min
 Lab File: BF087691.D
 Acq: 5 Jun 2016 6:10

Instrument :
 BNA_F
 ClientSampleId :
 MW-9

Tgt Ion:172 Resp: 1425217

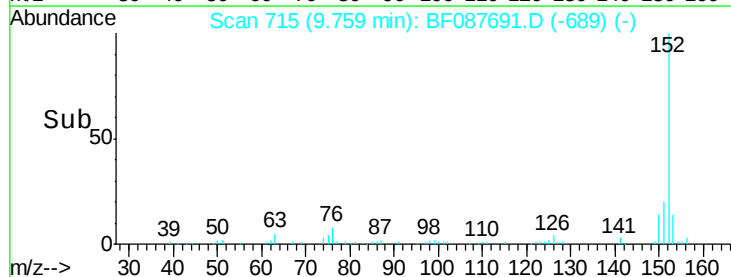
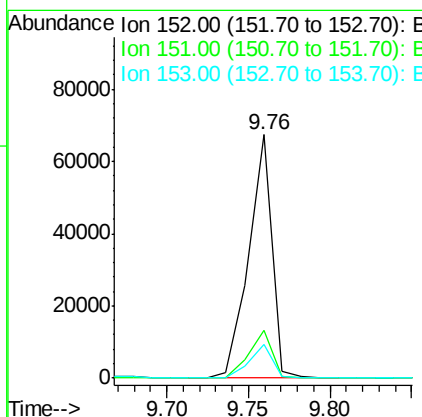
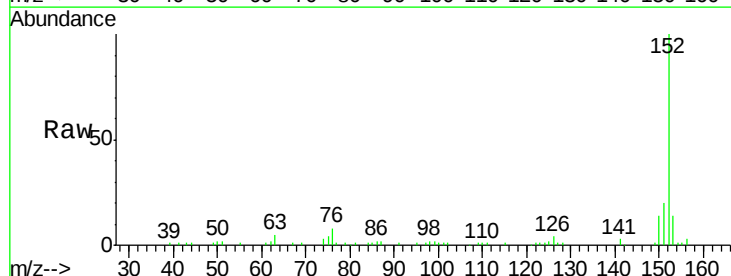
Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.6	43.0
170	24.5	19.2	28.8

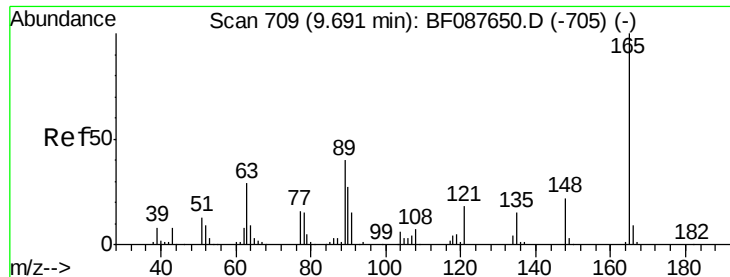


#48
 Acenaphthylene
 Concen: 2.72 ng
 RT: 9.76 min Scan# 715
 Delta R.T. 0.00 min
 Lab File: BF087691.D
 Acq: 5 Jun 2016 6:10

Tgt Ion:152 Resp: 66251

Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.2	24.4
153	13.6	11.0	16.6

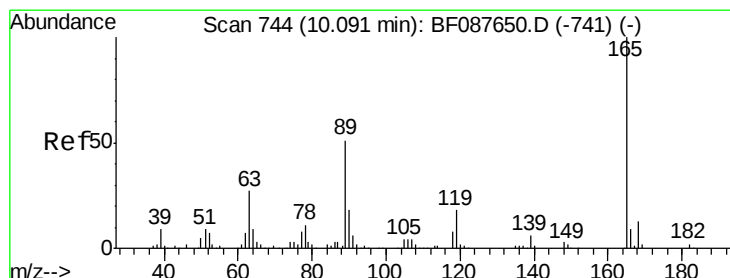
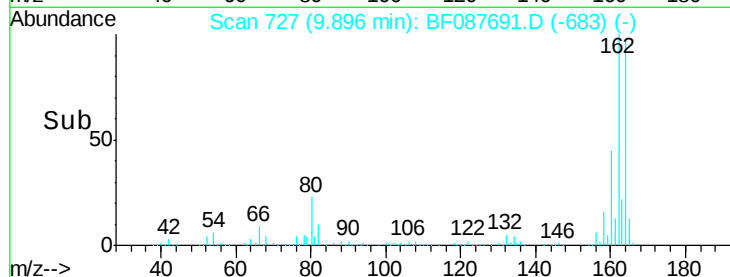
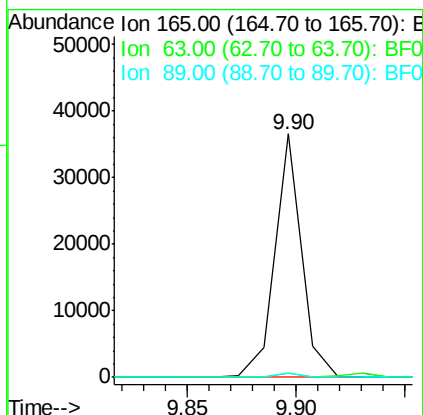
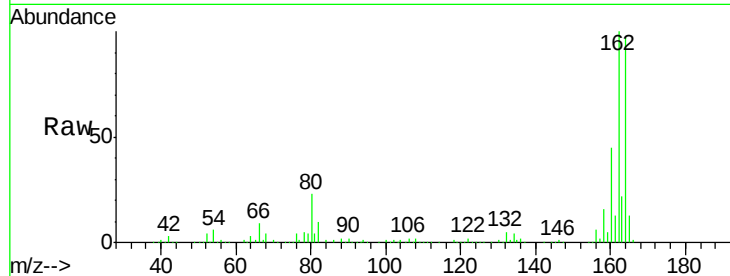




#50
 2,6-Dinitrotoluene
 Concen: 7.91 ng
 RT: 9.90 min Scan# 727
 Delta R.T. 0.21 min
 Lab File: BF087691.D
 Acq: 5 Jun 2016 6:10

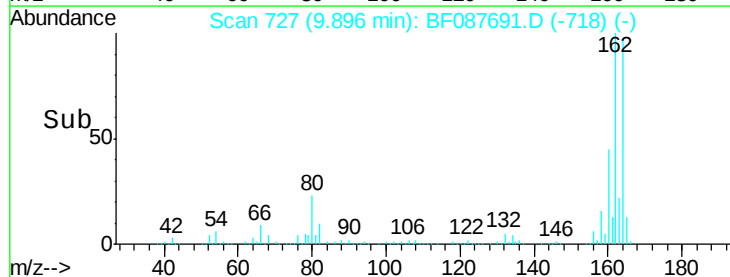
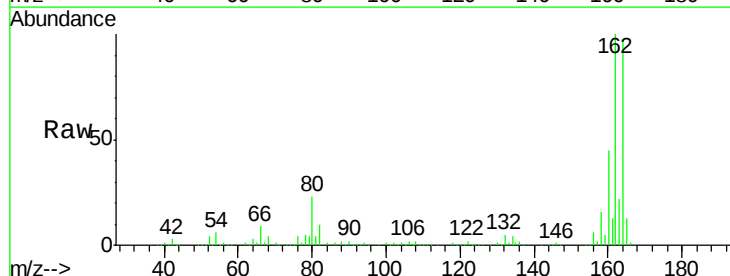
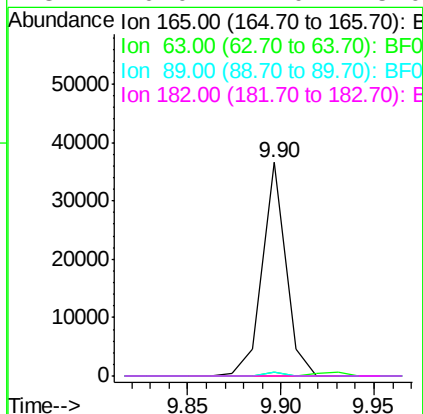
Instrument :
 BNA_F
 ClientSampleId :
 MW-9

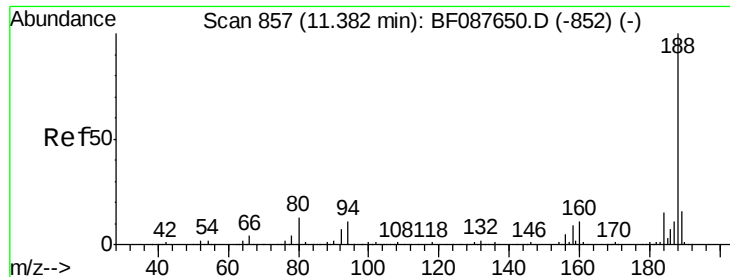
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	28.1	42.1#
89	1.7	32.2	48.2#



#56
 2,4-Dinitrotoluene
 Concen: 6.21 ng
 RT: 9.90 min Scan# 727
 Delta R.T. -0.19 min
 Lab File: BF087691.D
 Acq: 5 Jun 2016 6:10

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	22.0	33.0#
89	1.7	41.1	61.7#
182	0.0	2.0	3.0#

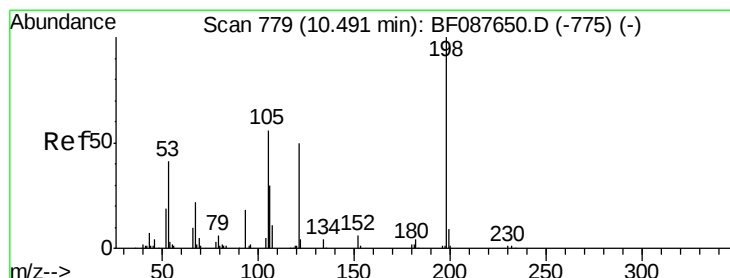
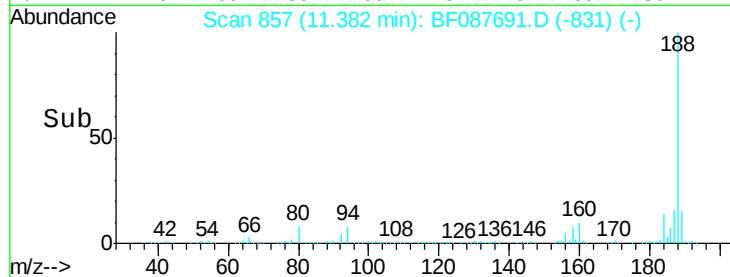
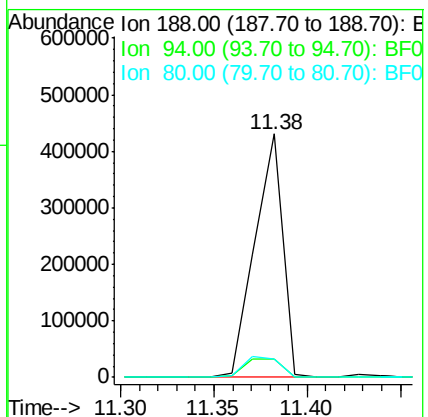
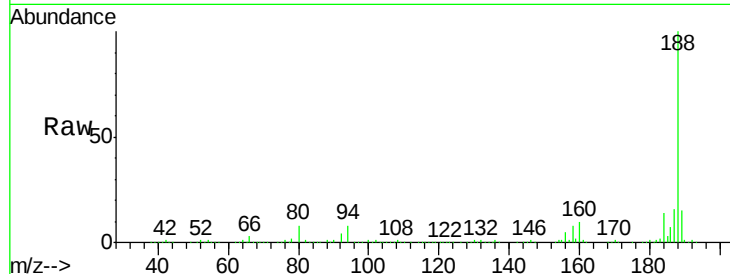




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.38 min Scan# 857
Delta R.T. 0.00 min
Lab File: BF087691.D
Acq: 5 Jun 2016 6:10

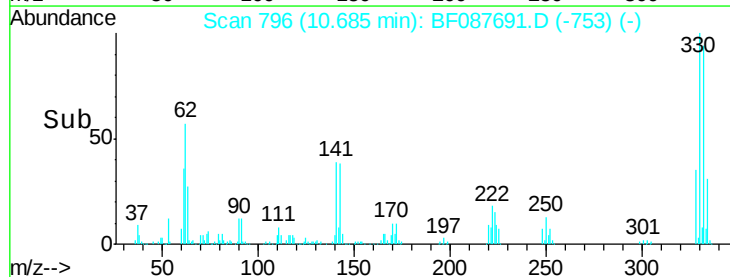
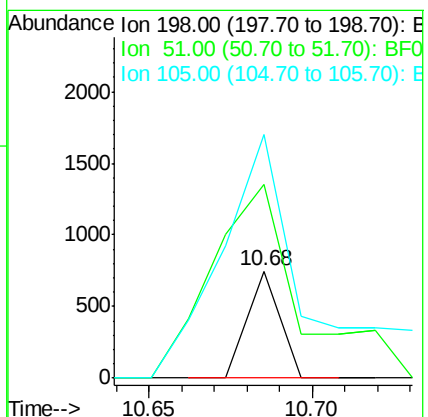
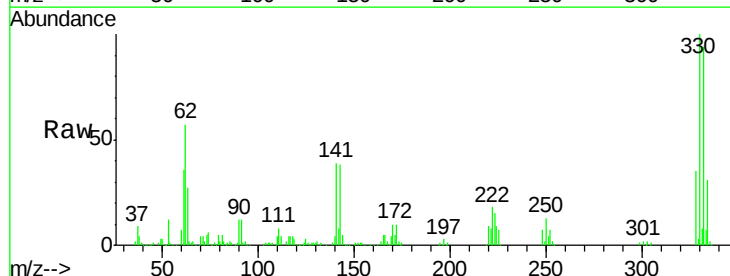
Instrument :
BNA_F
ClientSampleId :
MW-9

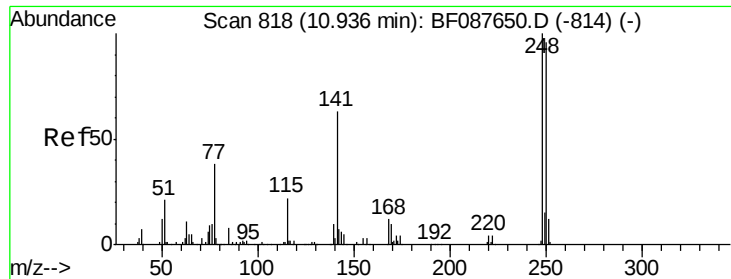
Tgt Ion:188 Resp: 455583
Ion Ratio Lower Upper
188 100
94 7.6 9.0 13.6#
80 7.6 10.0 15.0#



#64
4,6-Dinitro-2-methylphenol
Concen: 2.21 ng
RT: 10.68 min Scan# 796
Delta R.T. 0.19 min
Lab File: BF087691.D
Acq: 5 Jun 2016 6:10

Tgt Ion:198 Resp: 514
Ion Ratio Lower Upper
198 100
51 180.4 39.6 79.6#
105 227.1 36.6 76.6#

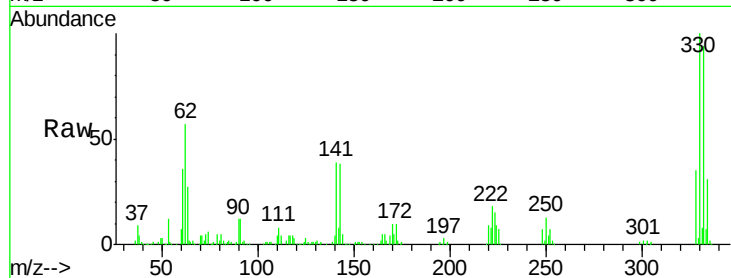




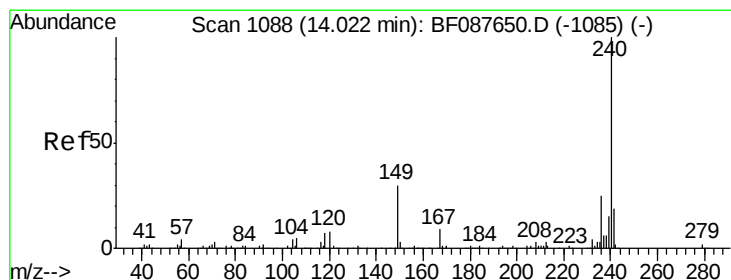
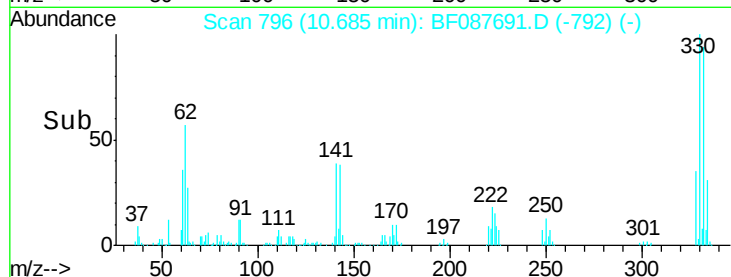
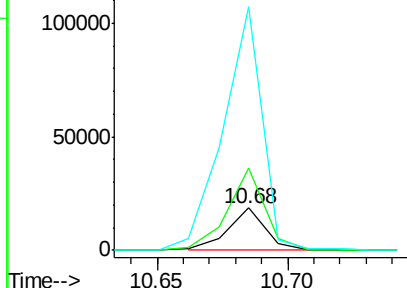
#66
4-Bromophenyl-phenylether
Concen: 4.05 ng
RT: 10.68 min Scan# 796
Delta R.T. -0.25 min
Lab File: BF087691.D
Acq: 5 Jun 2016 6:10

Instrument :
BNA_F
ClientSampleId :
MW-9

Tgt Ion:248 Resp: 18303
Ion Ratio Lower Upper
248 100
250 194.8 77.1 115.7#
141 572.0 50.6 76.0#

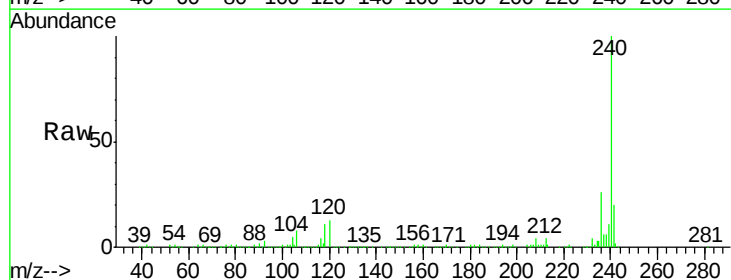


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

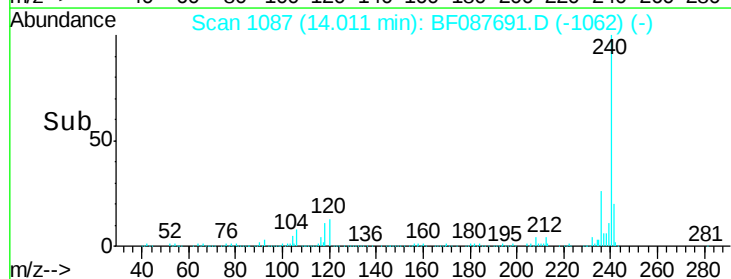
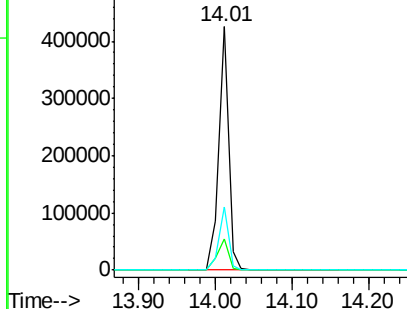


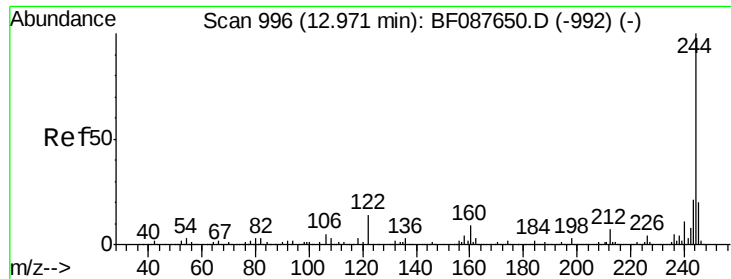
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.01 min Scan# 1087
Delta R.T. -0.01 min
Lab File: BF087691.D
Acq: 5 Jun 2016 6:10

Tgt Ion:240 Resp: 379767
Ion Ratio Lower Upper
240 100
120 12.8 6.8 10.2#
236 25.7 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

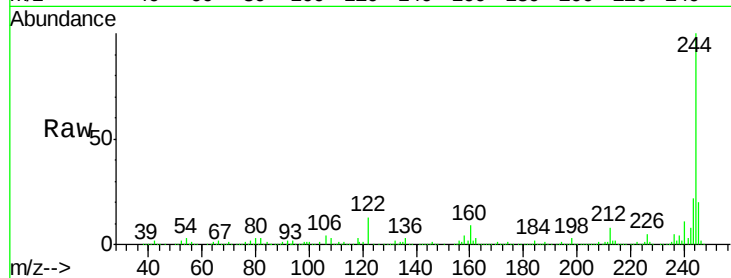




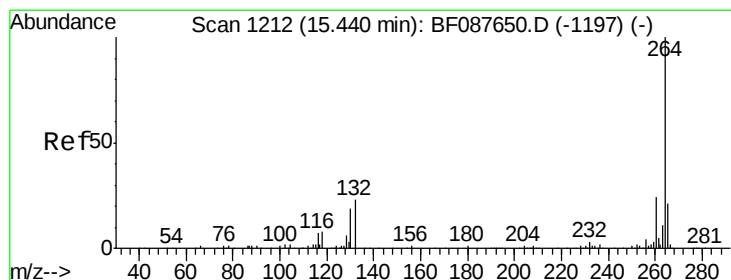
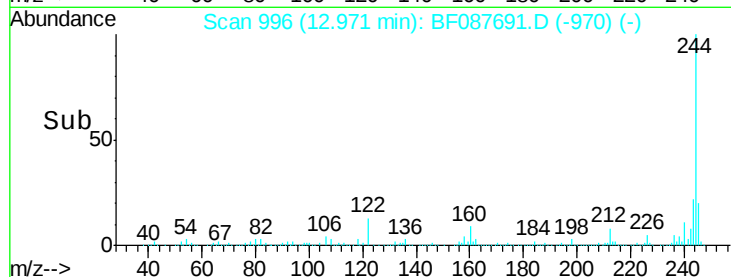
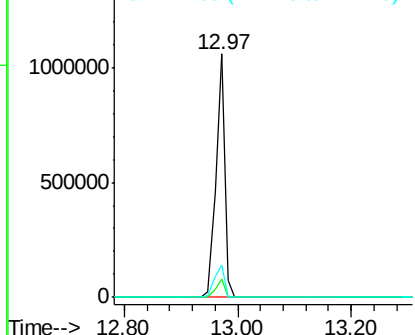
#78
 Terphenyl-d14
 Concen: 71.74 ng
 RT: 12.97 min Scan# 996
 Delta R.T. 0.00 min
 Lab File: BF087691.D
 Acq: 5 Jun 2016 6:10

Instrument :
 BNA_F
 ClientSampleId :
 MW-9

Tgt Ion:244 Resp: 1116596
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.0 9.0
 122 13.2 11.2 16.8

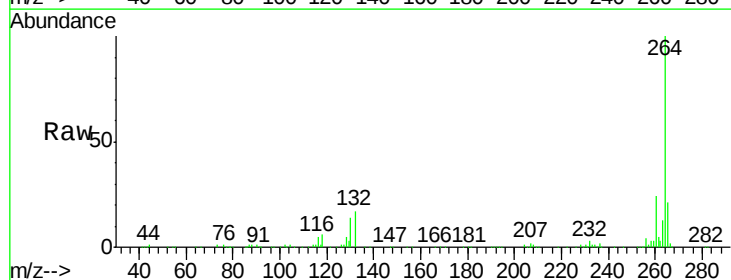


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.44 min Scan# 1212
 Delta R.T. 0.00 min
 Lab File: BF087691.D
 Acq: 5 Jun 2016 6:10

Tgt Ion:264 Resp: 285827
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.2 28.8
 265 20.7 16.9 25.3



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

