

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061116\
 Data File : BF087903.D
 Acq On : 11 Jun 2016 15:39
 Operator : UM/SJ
 Sample : PB91125BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB91125BL

Quant Time: Jun 12 04:38:18 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

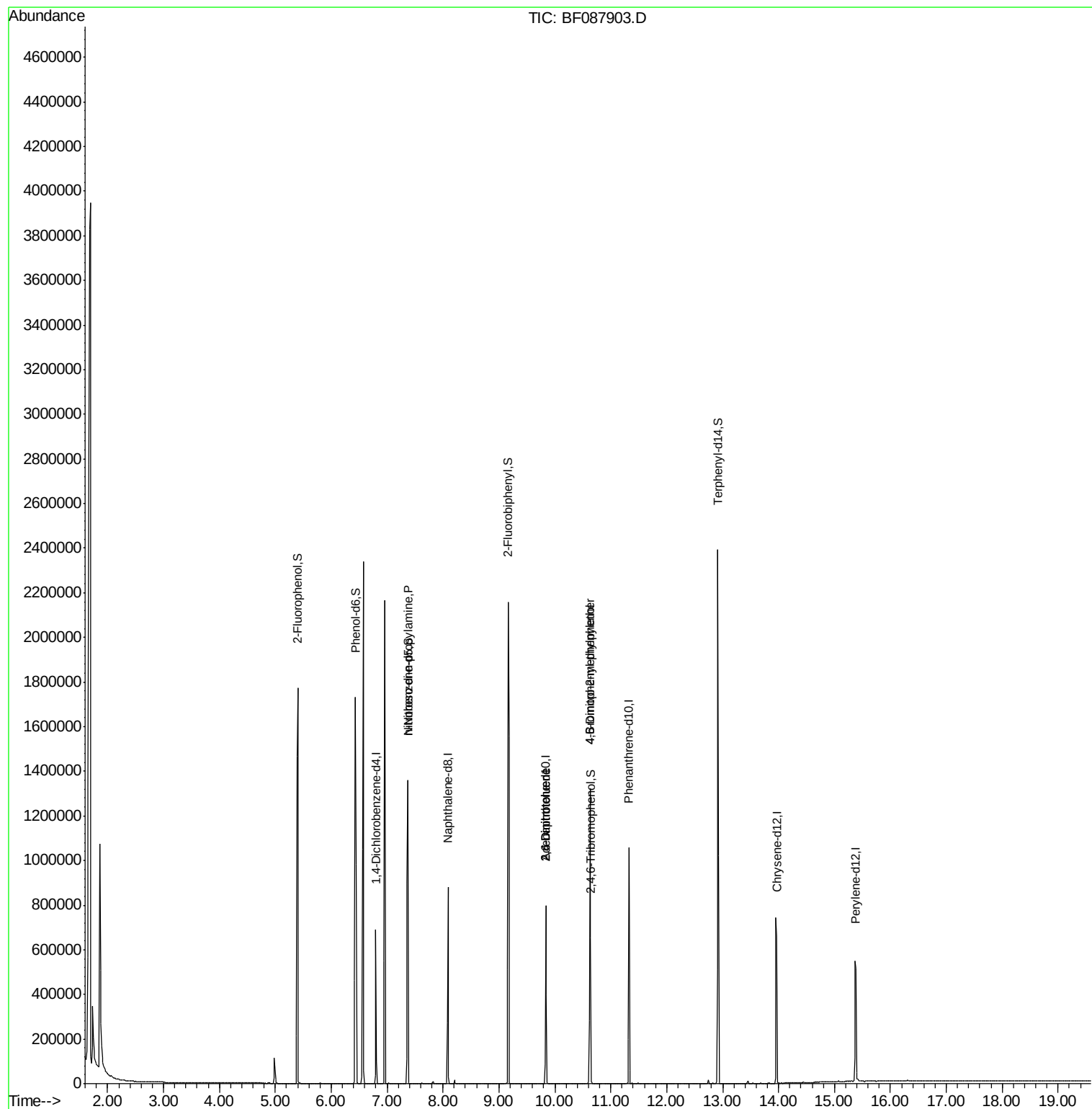
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	98088	20.00	ng	-0.05
21) Naphthalene-d8	8.09	136	423543	20.00	ng	-0.03
38) Acenaphthene-d10	9.84	164	187847	20.00	ng	-0.05
63) Phenanthrene-d10	11.32	188	366200	20.00	ng	-0.03
75) Chrysene-d12	13.97	240	367889	20.00	ng	-0.02
86) Perylene-d12	15.38	264	303689	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	744388	129.74	ng	-0.02
7) Phenol-d6	6.43	99	874649	125.78	ng	-0.05
23) Nitrobenzene-d5	7.37	82	572147	78.88	ng	-0.05
41) 2,4,6-Tribromophenol	10.64	330	212512	107.14	ng	-0.03
44) 2-Fluorobiphenyl	9.16	172	1042510	87.34	ng	-0.05
78) Terphenyl-d14	12.91	244	915538	56.63	ng	-0.03
Target Compounds						
10) Phenol	6.57	94	1424	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.37	70	73668	16.56	ng	# 69
45) 1,1'-Biphenyl	9.16	154	1994	Below Cal	#	1
50) 2,6-Dinitrotoluene	9.84	165	24074	7.73	ng	# 39
56) 2,4-Dinitrotoluene	9.84	165	24075	6.01	ng	# 37
57) Fluorene	10.63	166	9729	Below Cal	#	93
64) 4,6-Dinitro-2-methylphenol	10.63	198	310	2.29	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	13039	3.32	ng	# 1

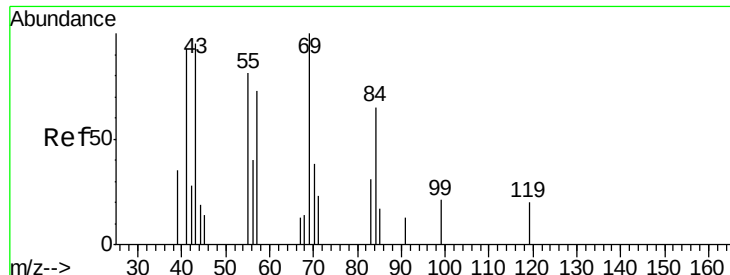
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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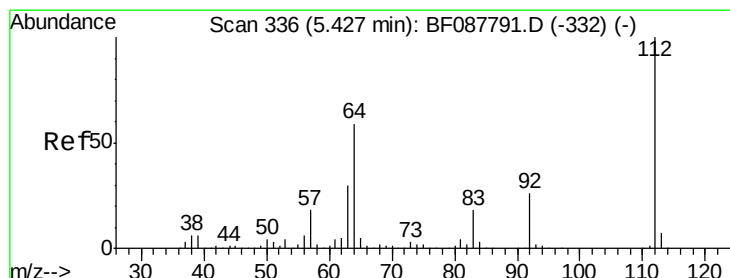
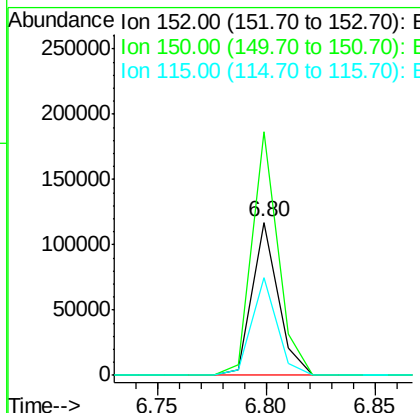
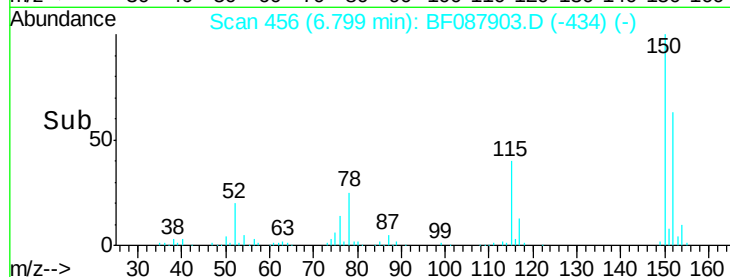
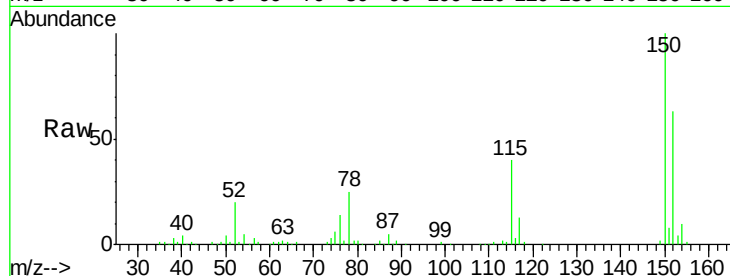




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.80 min Scan# 456
 Delta R.T. -0.05 min
 Lab File: BF087903.D
 Acq: 11 Jun 2016 15:39

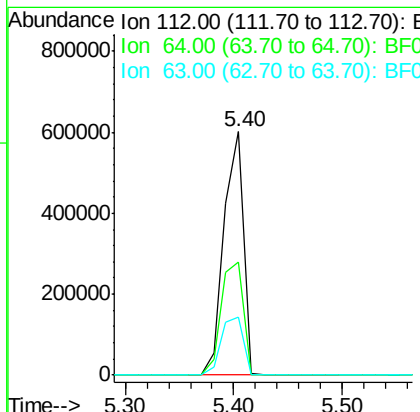
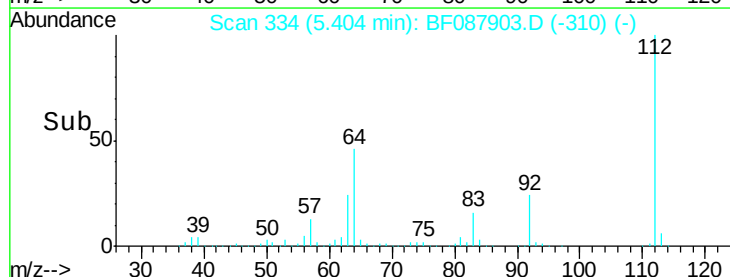
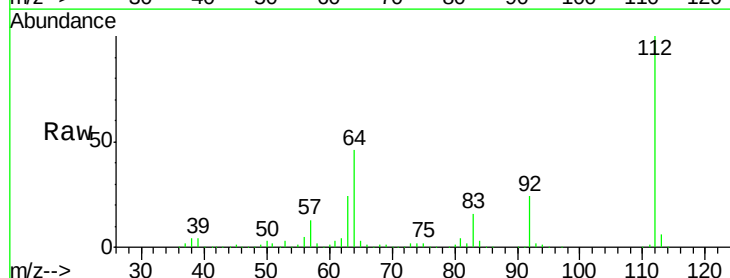
Instrument :
 BNA_F
 ClientSampleID :
 PB91125BL

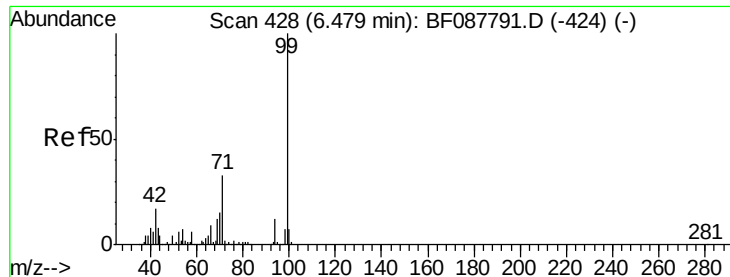
Tot Ion:152 Resp: 98088
 Ion Ratio Lower Upper
 152 100
 150 158.9 123.8 185.6
 115 64.2 39.6 59.4#



#5
 2-Fluorophenol
 Concen: 129.74 ng
 RT: 5.40 min Scan# 334
 Delta R.T. -0.02 min
 Lab File: BF087903.D
 Acq: 11 Jun 2016 15:39

Tgt Ion:112 Resp: 744388
 Ion Ratio Lower Upper
 112 100
 64 46.3 42.2 63.2
 63 23.6 21.8 32.8





#7

Phenol-d6

Concen: 125.78 ng

RT: 6.43 min Scan# 424

Delta R.T. -0.05 min

Lab File: BF087903.D

Acq: 11 Jun 2016 15:39

Instrument :

BNA_F

ClientSampleId :

PB91125BL

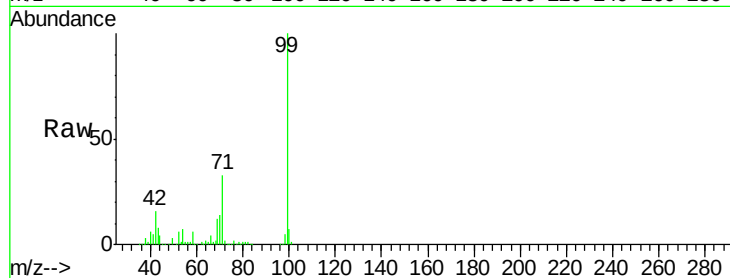
Tot Ion: 99 Resp: 874649

Ion Ratio Lower Upper

99 100

42 16.4 12.2 18.2

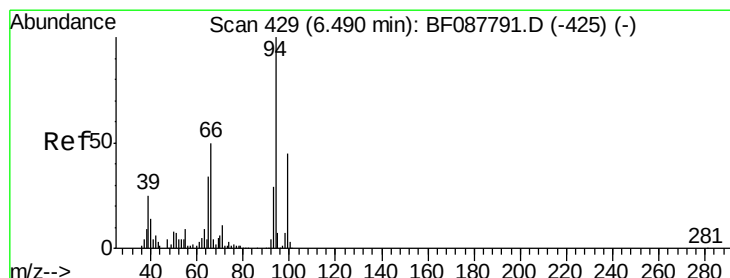
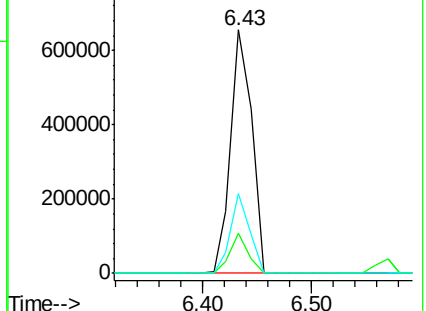
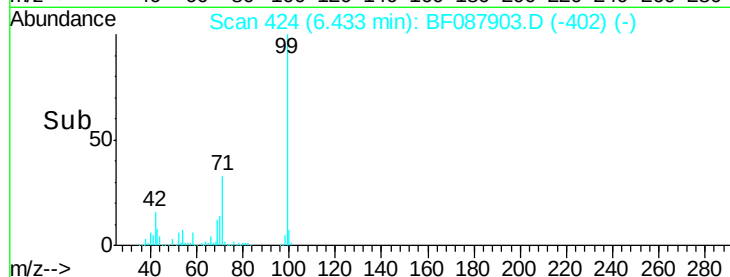
71 32.7 23.4 35.0



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



#10

Phenol

Concen: Below Cal

RT: 6.57 min Scan# 436

Delta R.T. 0.08 min

Lab File: BF087903.D

Acq: 11 Jun 2016 15:39

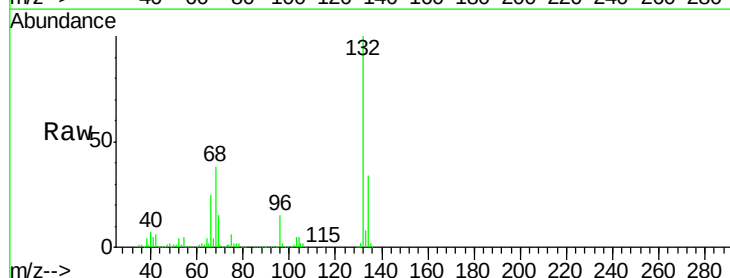
Tgt Ion: 94 Resp: 1424

Ion Ratio Lower Upper

94 100

65 975.2 5.9 45.9#

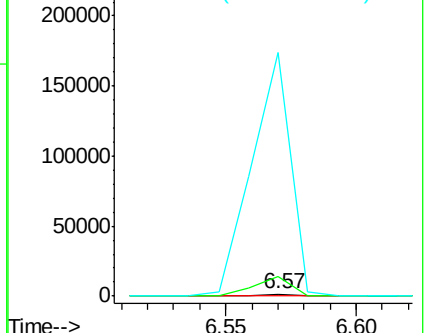
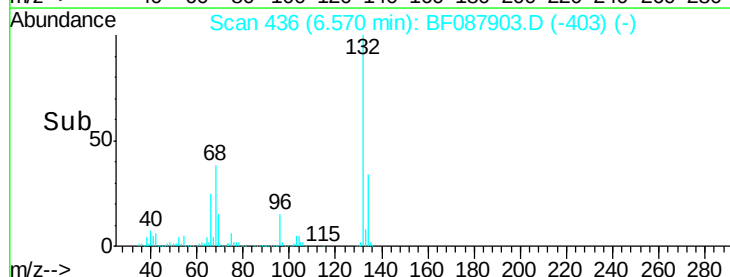
66 11987.9 14.0 54.0#

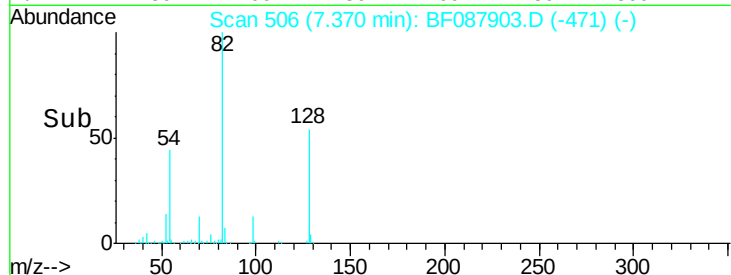
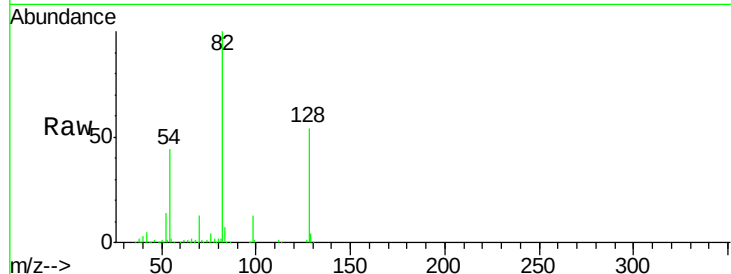
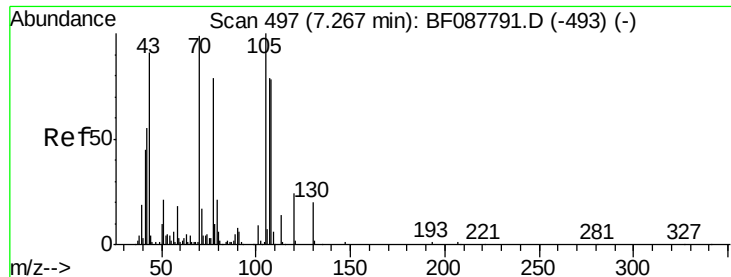


Abundance Ion 94.00 (93.70 to 94.70): BF0

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: 16.56 ng

RT: 7.37 min Scan# 506

Delta R.T. 0.10 min

Lab File: BF087903.D

Acq: 11 Jun 2016 15:39

Instrument :

BNA_F

ClientSampleId :

PB91125BL

Tot Ion: 70 Resp: 73668

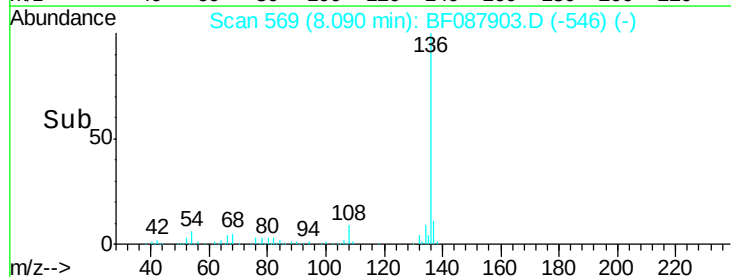
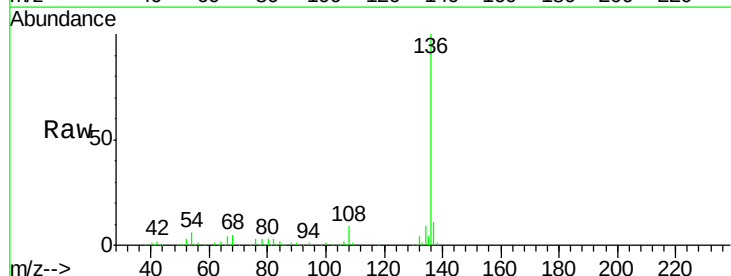
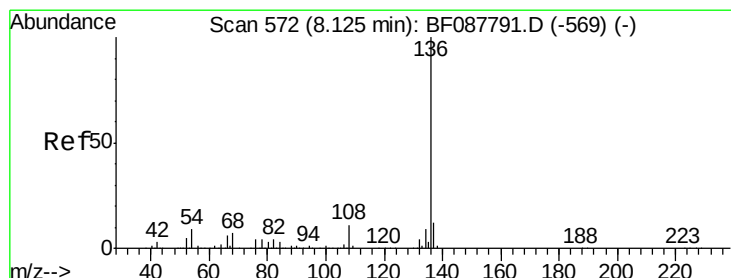
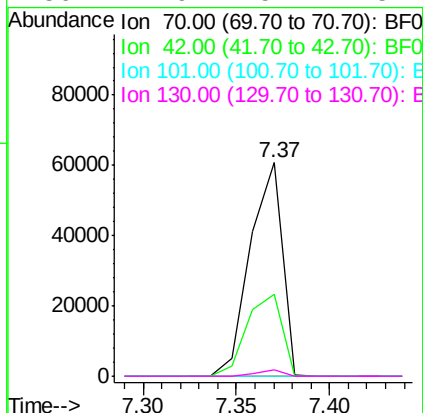
Ion Ratio Lower Upper

70 100

42 38.2 49.6 74.4#

101 0.0 7.1 10.7#

130 2.9 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: BF087903.D

Acq: 11 Jun 2016 15:39

Tgt Ion: 136 Resp: 423543

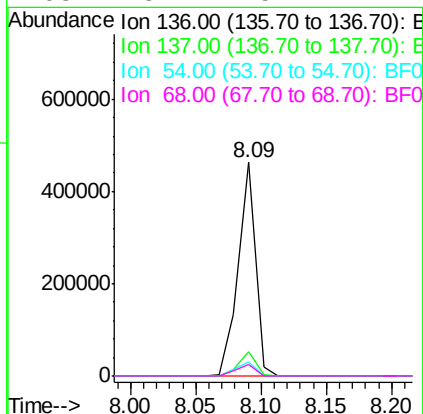
Ion Ratio Lower Upper

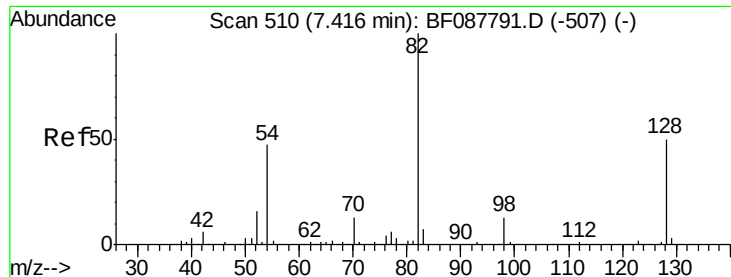
136 100

137 11.1 9.1 13.7

54 6.4 6.6 10.0#

68 5.4 5.1 7.7





#23

Nitrobenzene-d5

Concen: 78.88 ng

RT: 7.37 min Scan# 506

Delta R.T. -0.05 min

Lab File: BF087903.D

Acq: 11 Jun 2016 15:39

Instrument :

BNA_F

ClientSampleId :

PB91125BL

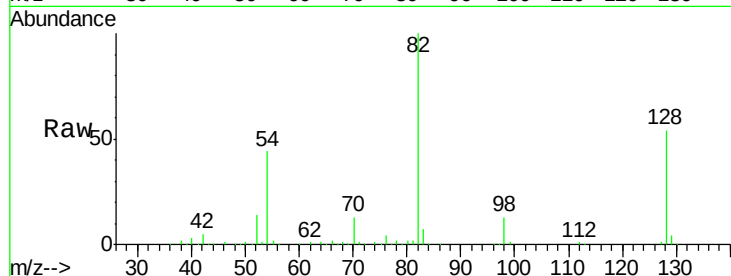
Tot Ion: 82 Resp: 572147

Ion Ratio Lower Upper

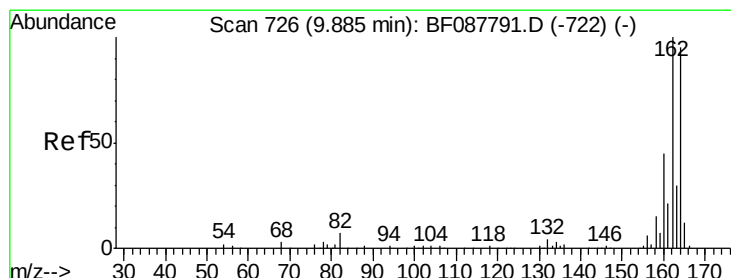
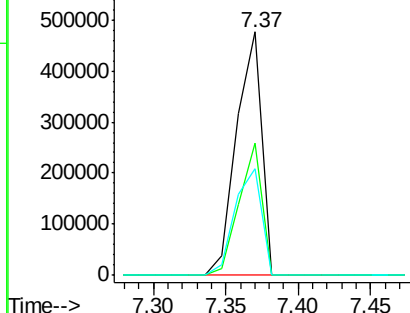
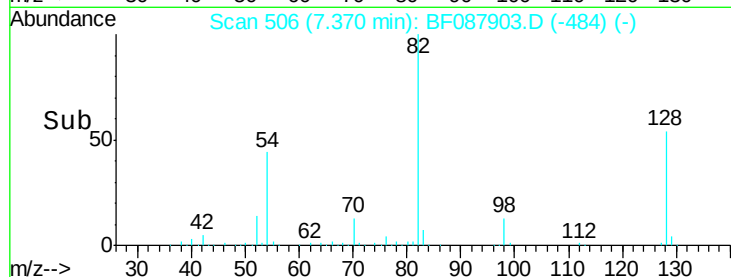
82 100

128 54.1 35.9 53.9#

54 43.7 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: BF087903.D

Acq: 11 Jun 2016 15:39

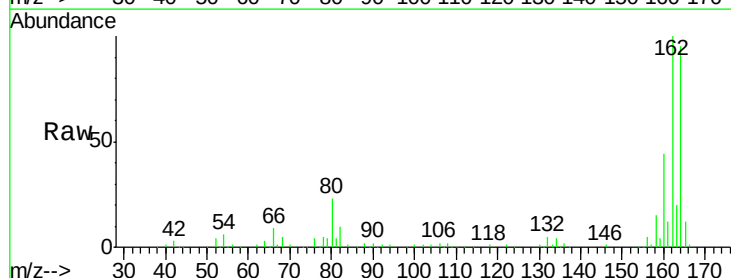
Tgt Ion:164 Resp: 187847

Ion Ratio Lower Upper

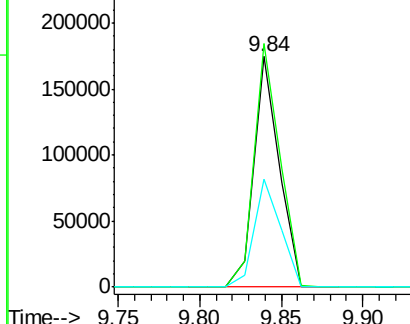
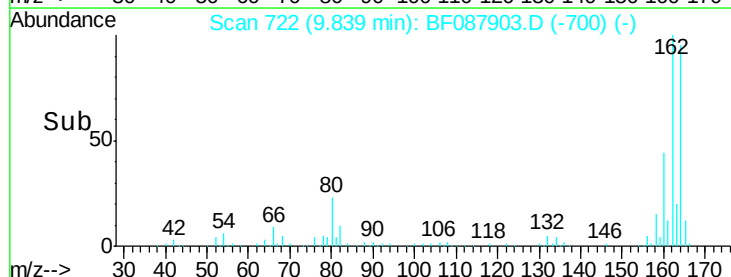
164 100

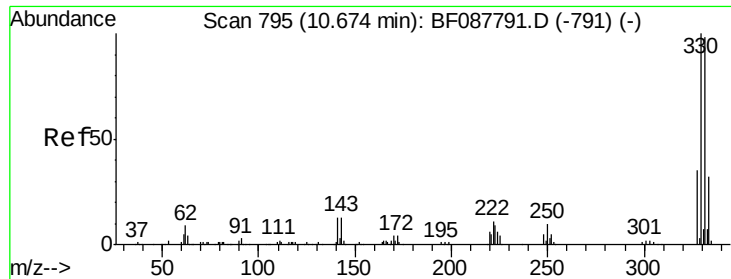
162 105.6 85.4 128.2

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

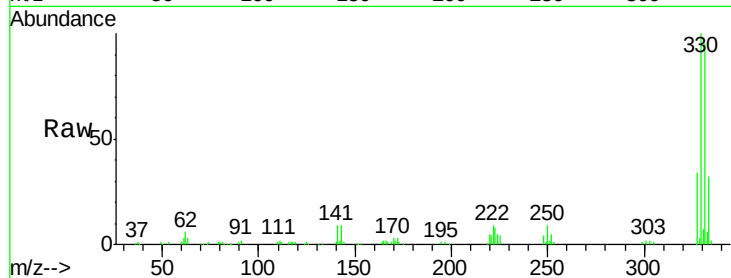




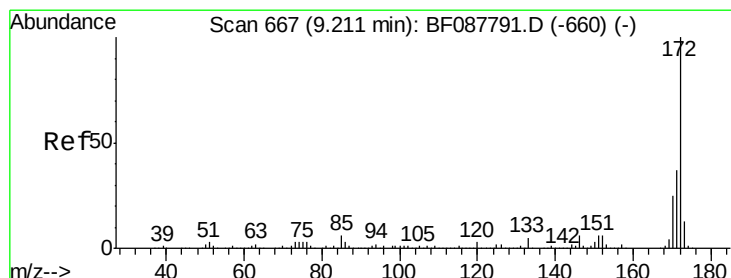
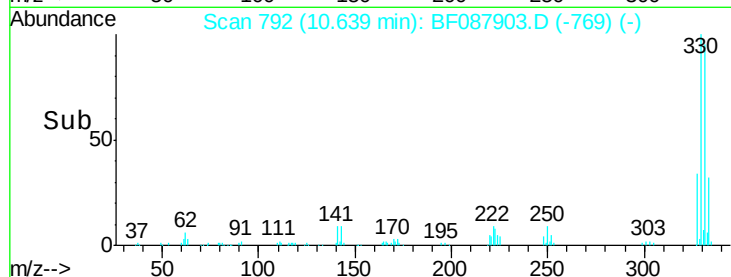
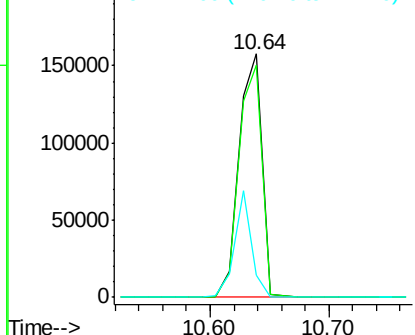
#41
 2,4,6-Tribromophenol
 Concen: 107.14 ng
 RT: 10.64 min Scan# 792
 Delta R.T. -0.03 min
 Lab File: BF087903.D
 Acq: 11 Jun 2016 15:39

Instrument :
 BNA_F
 ClientSampleId :
 PB91125BL

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	0.0	0.0#
141	32.4	0.0	0.0#

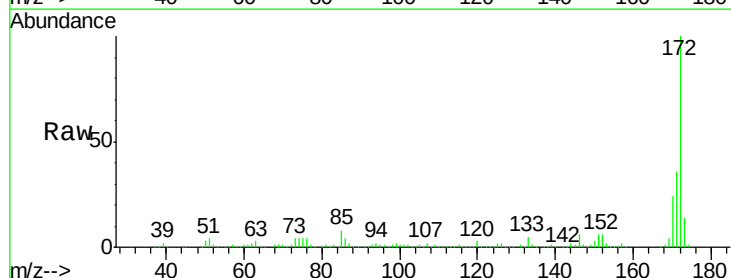


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

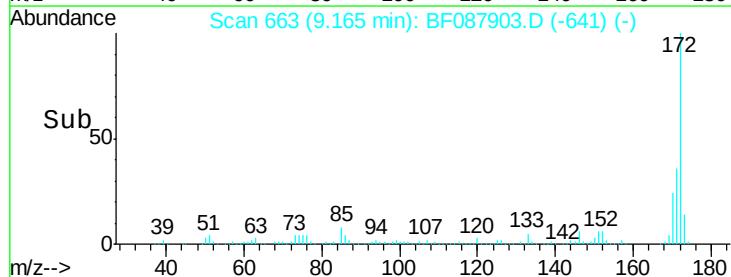
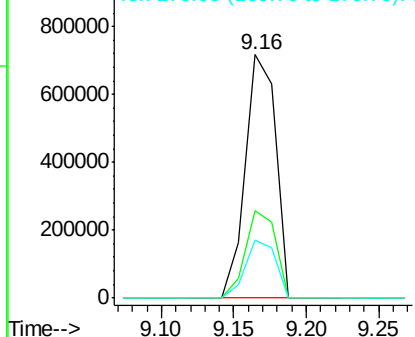


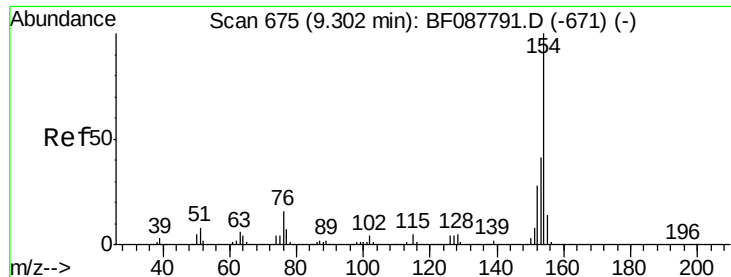
#44
 2-Fluorobiphenyl
 Concen: 87.34 ng
 RT: 9.16 min Scan# 663
 Delta R.T. -0.05 min
 Lab File: BF087903.D
 Acq: 11 Jun 2016 15:39

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.6	43.0
170	23.9	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: 9.16 min Scan# 663

Delta R.T. -0.14 min

Lab File: BF087903.D

Acq: 11 Jun 2016 15:39

Instrument :

BNA_F

ClientSampled :

PB91125BL

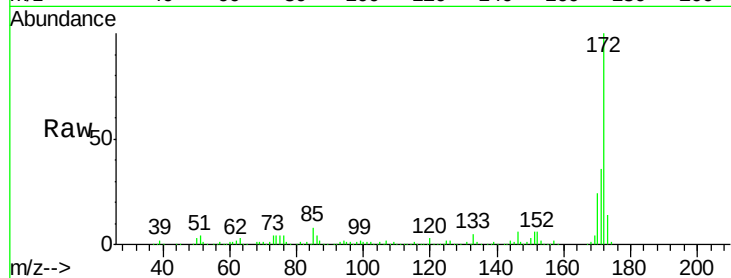
Tot Ion:154 Resp: 1994

Ion Ratio Lower Upper

154 100

153 960.7 20.6 60.6#

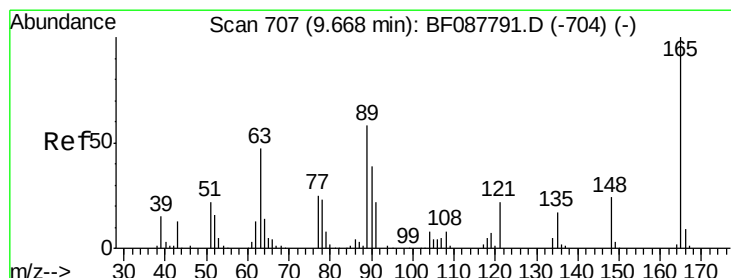
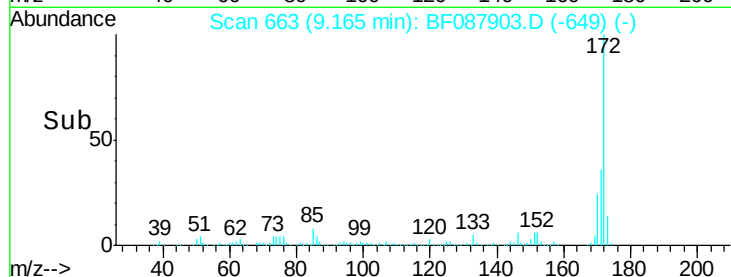
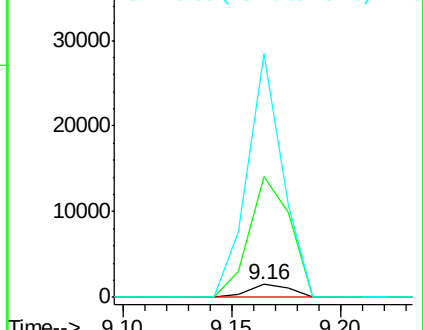
76 1927.1 0.0 35.1#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#50

2,6-Dinitrotoluene

Concen: 7.73 ng

RT: 9.84 min Scan# 722

Delta R.T. 0.17 min

Lab File: BF087903.D

Acq: 11 Jun 2016 15:39

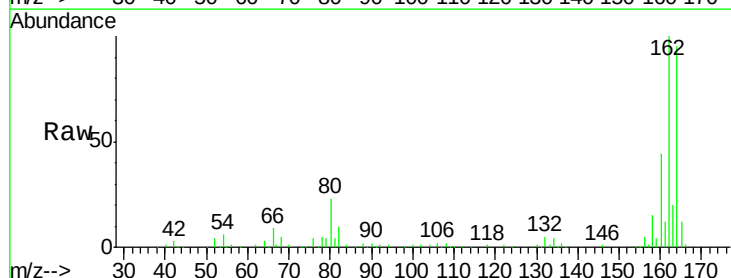
Tgt Ion:165 Resp: 24074

Ion Ratio Lower Upper

165 100

63 0.0 28.1 42.1#

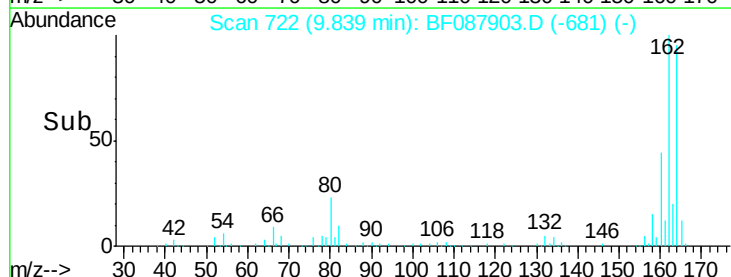
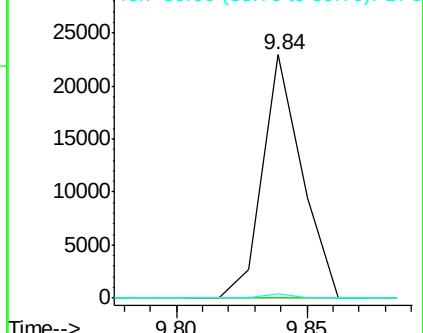
89 1.8 32.2 48.2#

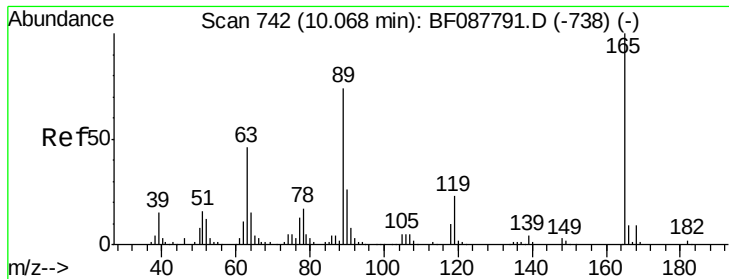


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#56

2,4-Dinitrotoluene

Concen: 6.01 ng

RT: 9.84 min Scan# 722

Delta R.T. -0.23 min

Lab File: BF087903.D

Acq: 11 Jun 2016 15:39

Instrument :

BNA_F

ClientSampleId :

PB91125BL

Tot Ion:165 Resp: 24075

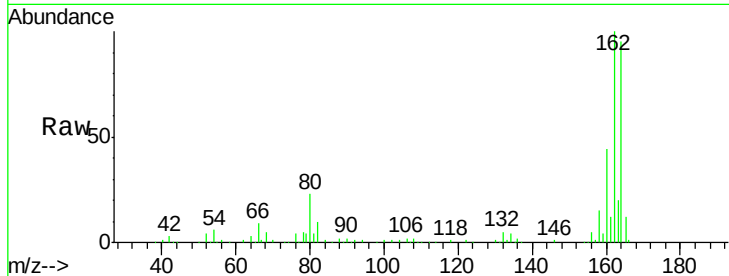
Ion Ratio Lower Upper

165 100

63 0.0 22.0 33.0#

89 1.8 41.1 61.7#

182 0.0 2.0 3.0#

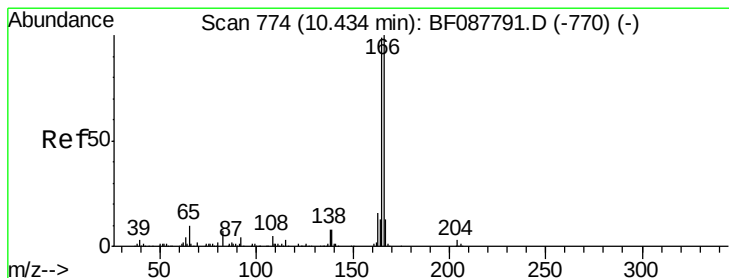
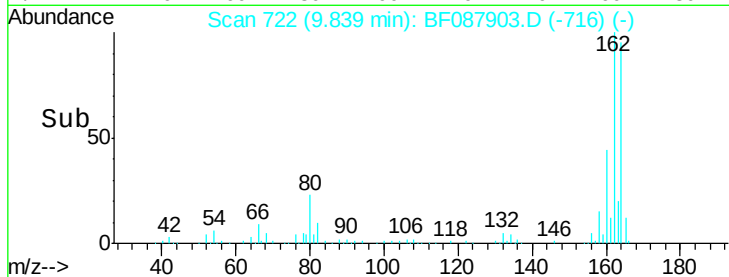
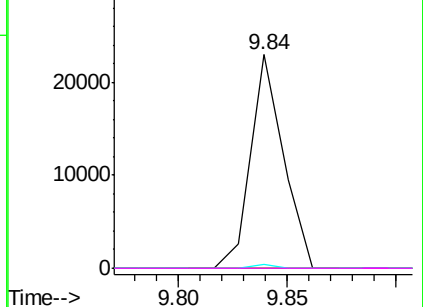


Abundance Ion 165.00 (164.70 to 165.70): E

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: BF087903.D

Acq: 11 Jun 2016 15:39

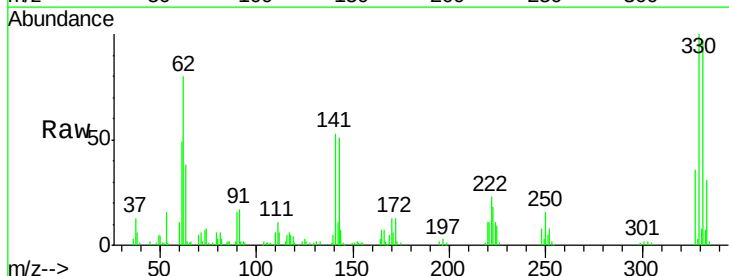
Tgt Ion:166 Resp: 9729

Ion Ratio Lower Upper

166 100

165 98.0 77.8 116.8

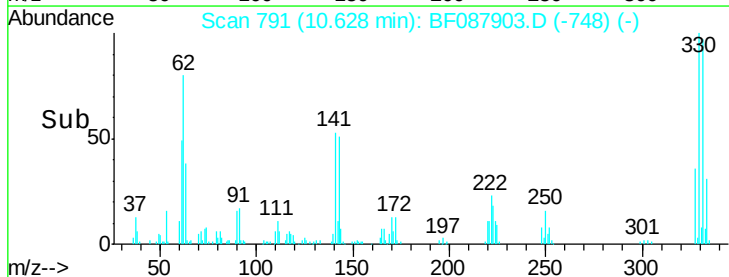
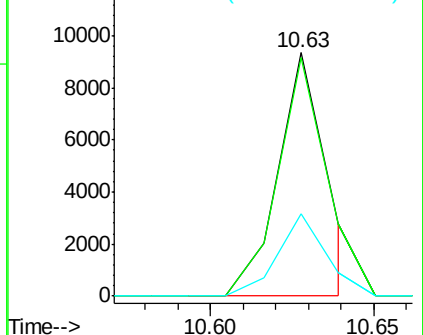
167 34.1 11.2 16.8#

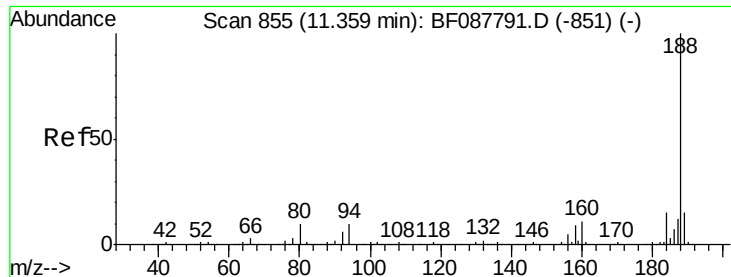


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

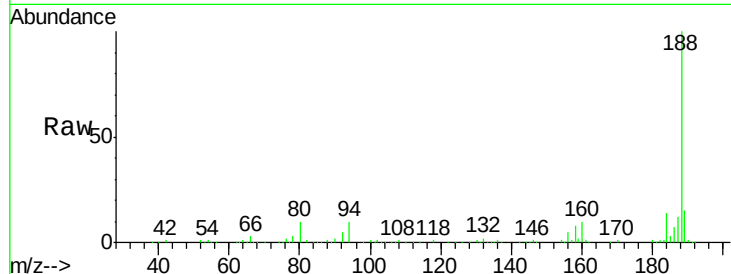




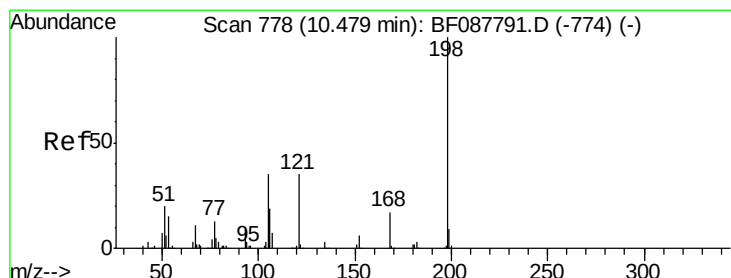
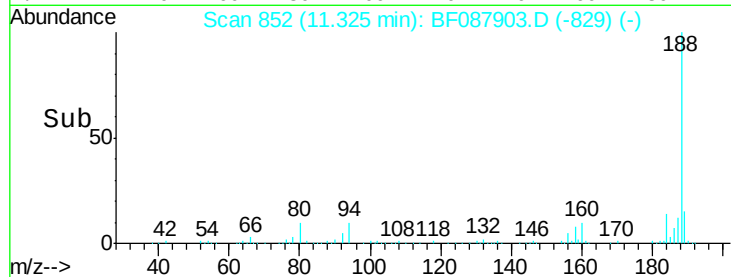
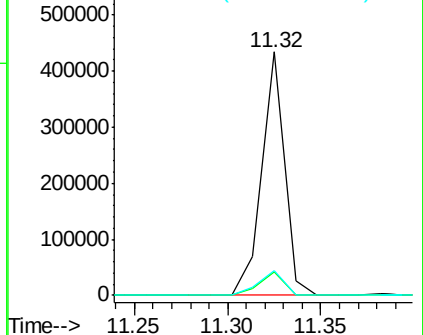
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 852
Delta R.T. -0.03 min
Lab File: BF087903.D
Acq: 11 Jun 2016 15:39

Instrument :
BNA_F
ClientSampleId :
PB91125BL

Tot Ion	Ratio	Lower	Upper
188	100		
94	9.7	9.0	13.6
80	10.2	10.0	15.0

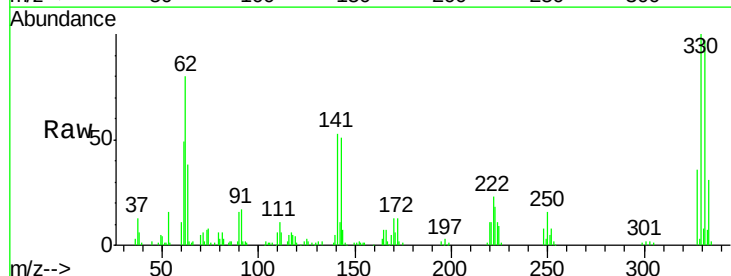


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

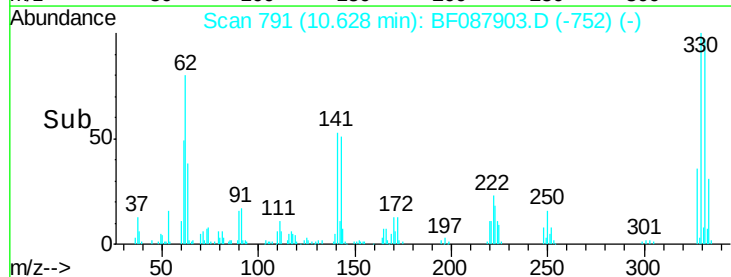
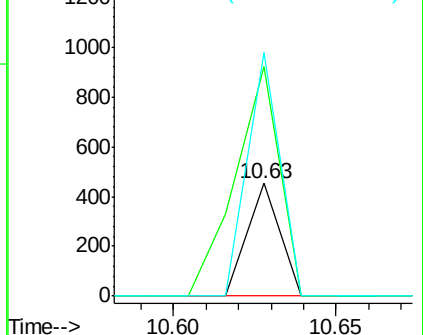


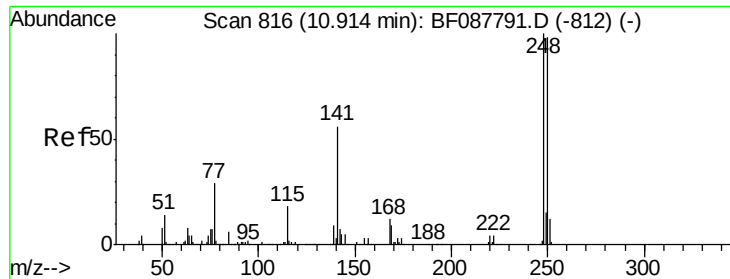
#64
4,6-Dinitro-2-methylphenol
Concen: 2.29 ng
RT: 10.63 min Scan# 791
Delta R.T. 0.15 min
Lab File: BF087903.D
Acq: 11 Jun 2016 15:39

Tgt Ion	Ratio	Lower	Upper
198	100		
51	203.5	39.6	79.6#
105	216.4	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

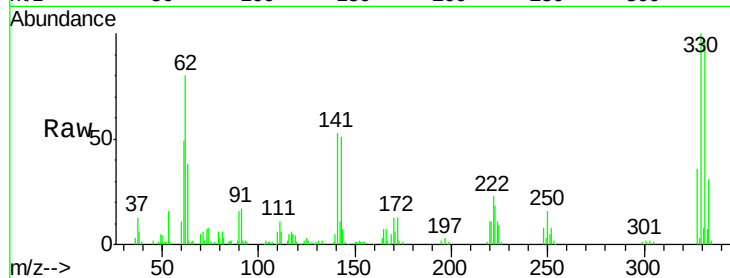




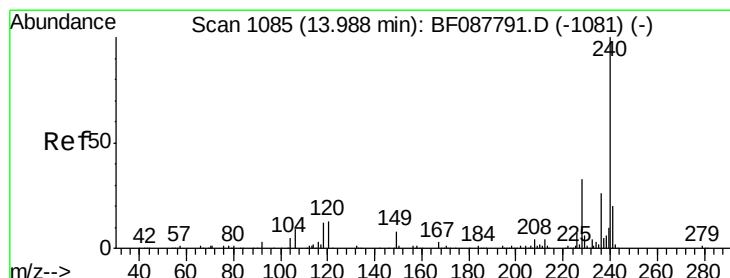
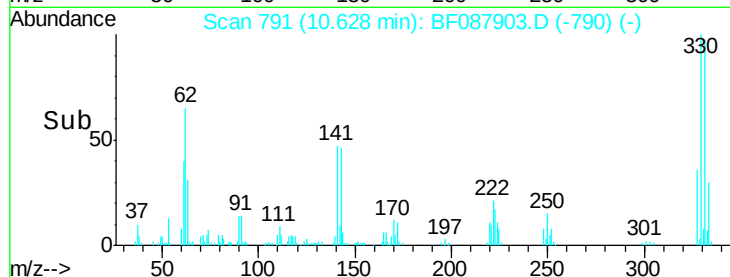
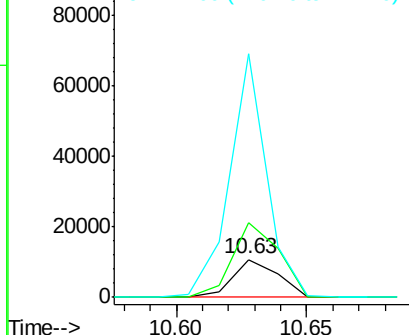
#66
4-Bromophenyl-phenylether
Concen: 3.32 ng
RT: 10.63 min Scan# 791
Delta R.T. -0.29 min
Lab File: BF087903.D
Acq: 11 Jun 2016 15:39

Instrument :
BNA_F
ClientSampleId :
PB91125BL

Tot Ion:248 Resp: 13039
Ion Ratio Lower Upper
248 100
250 198.5 77.1 115.7#
141 647.6 50.6 76.0#

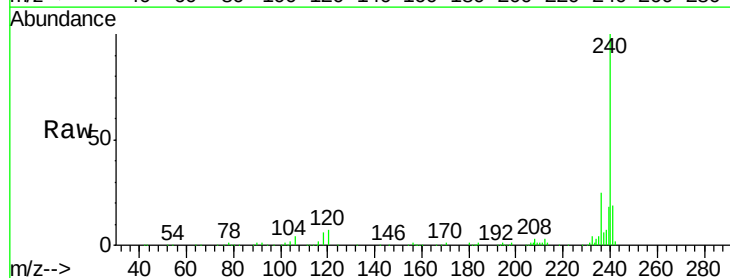


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

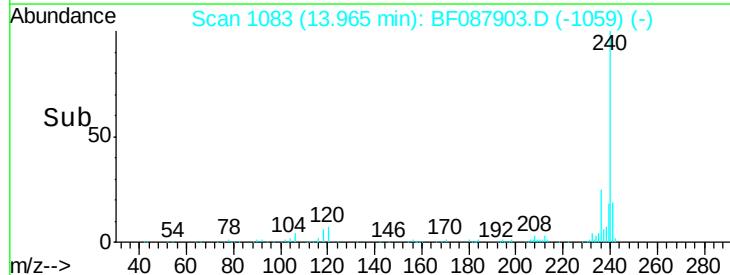
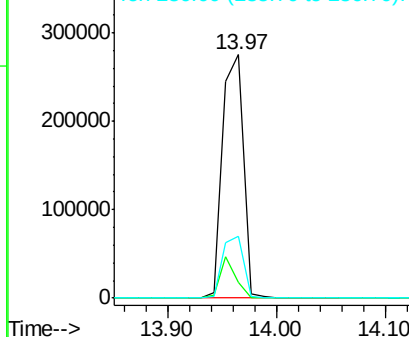


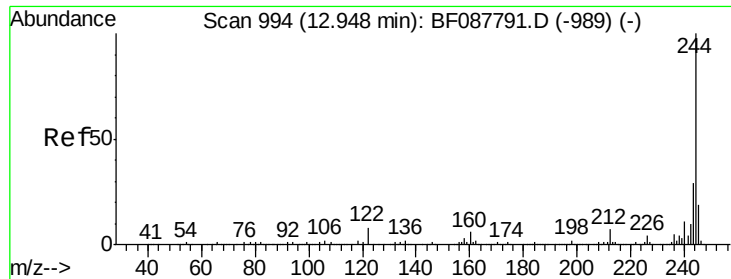
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.97 min Scan# 1083
Delta R.T. -0.02 min
Lab File: BF087903.D
Acq: 11 Jun 2016 15:39

Tgt Ion:240 Resp: 367889
Ion Ratio Lower Upper
240 100
120 6.5 6.8 10.2#
236 25.4 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

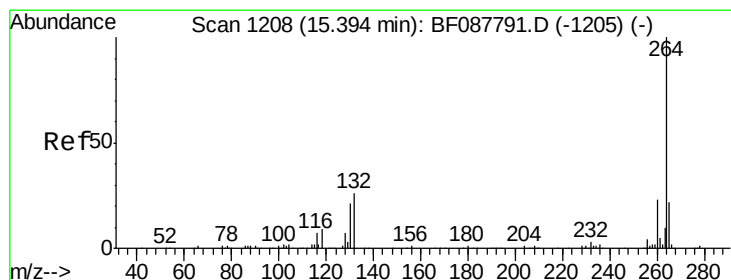
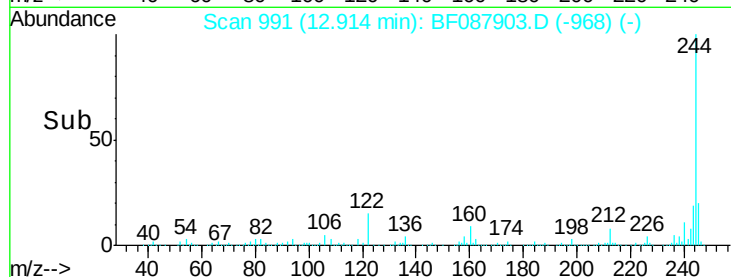
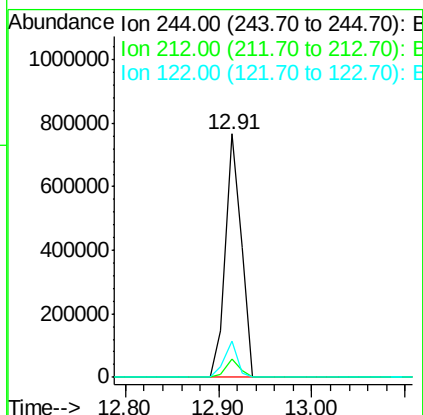
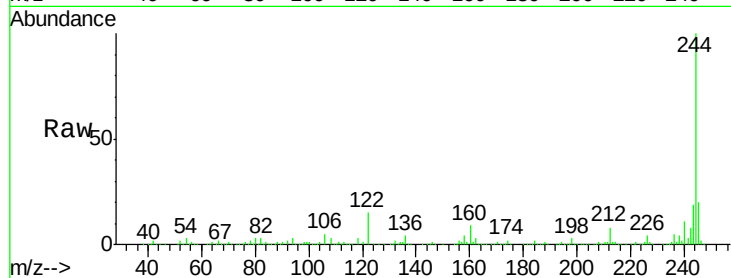




#78
 Terphenyl-d14
 Concen: 56.63 ng
 RT: 12.91 min Scan# 991
 Delta R.T. -0.03 min
 Lab File: BF087903.D
 Acq: 11 Jun 2016 15:39

Instrument :
 BNA_F
 ClientSampleID :
 PB91125BL

Tot Ion:244 Resp: 915538
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.0 9.0
 122 15.0 11.2 16.8



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.38 min Scan# 1207
 Delta R.T. -0.01 min
 Lab File: BF087903.D
 Acq: 11 Jun 2016 15:39

Tgt Ion:264 Resp: 303689
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.2 28.8
 265 21.5 16.9 25.3

