

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061116\
 Data File : BF087901.D
 Acq On : 11 Jun 2016 14:40
 Operator : UM/SJ
 Sample : PB91188BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB91188BL

Quant Time: Jun 12 04:37:33 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

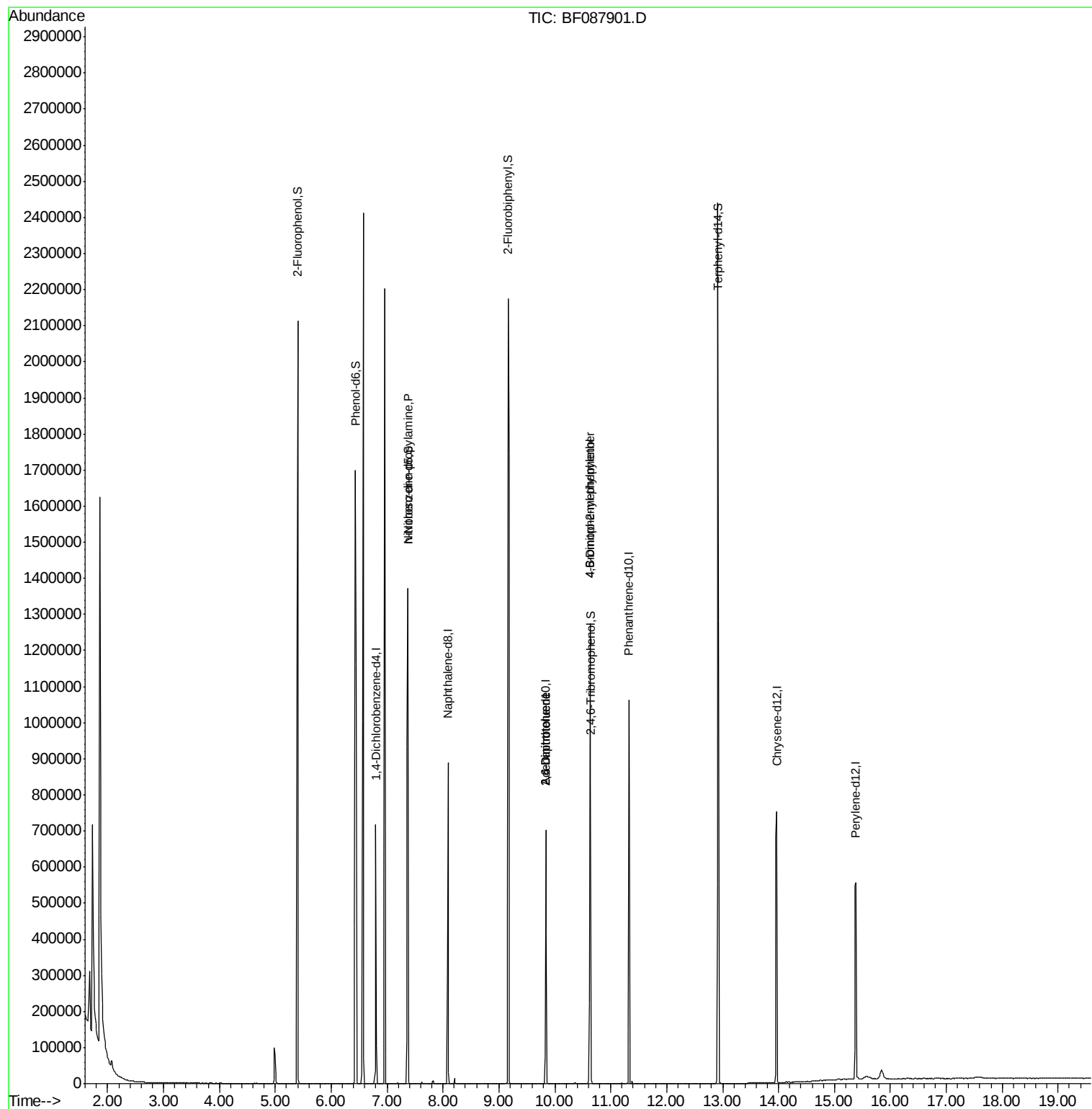
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	103077	20.00	ng	-0.05
21) Naphthalene-d8	8.09	136	435599	20.00	ng	-0.03
38) Acenaphthene-d10	9.84	164	177532	20.00	ng	-0.05
63) Phenanthrene-d10	11.33	188	360601	20.00	ng	-0.03
75) Chrysene-d12	13.97	240	376967	20.00	ng	-0.02
86) Perylene-d12	15.38	264	306590	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	757702	125.67	ng	-0.02
7) Phenol-d6	6.43	99	907421	124.18	ng	-0.05
23) Nitrobenzene-d5	7.37	82	588181	78.85	ng	-0.05
41) 2,4,6-Tribromophenol	10.64	330	221388	118.10	ng	-0.03
44) 2-Fluorobiphenyl	9.16	172	1074147	95.75	ng	-0.05
78) Terphenyl-d14	12.91	244	997411	60.21	ng	-0.03
Target Compounds						
10) Phenol	6.57	94	1309	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.37	70	76428	16.35	ng	# 69
45) 1,1'-Biphenyl	9.16	154	2071	Below Cal	#	1
50) 2,6-Dinitrotoluene	9.84	165	22709	7.71	ng	# 37
56) 2,4-Dinitrotoluene	9.84	165	22710	6.00	ng	# 36
57) Fluorene	10.63	166	10434	Below Cal	#	90
64) 4,6-Dinitro-2-methylphenol	10.63	198	304	2.29	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	14113	3.65	ng	# 1

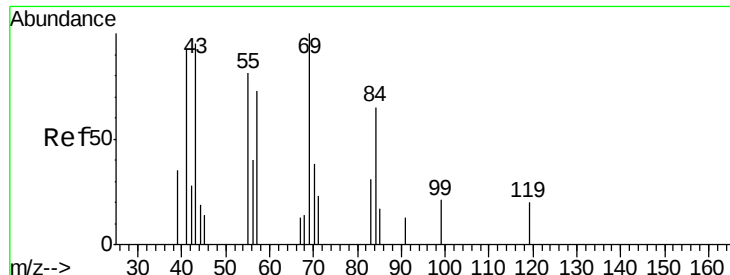
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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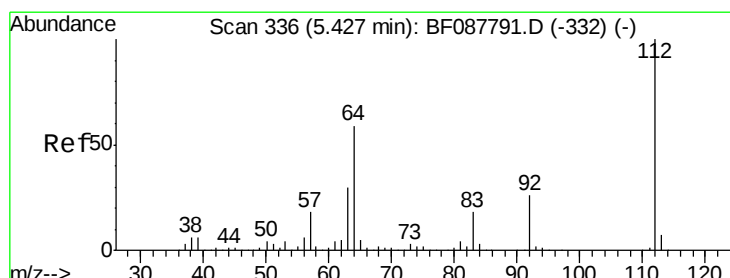
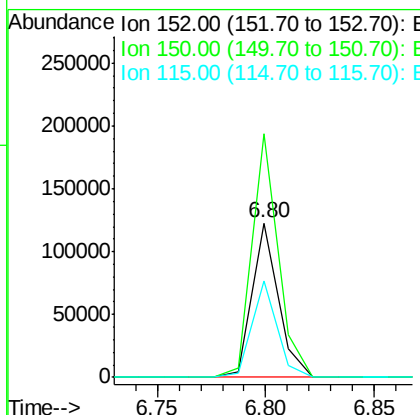
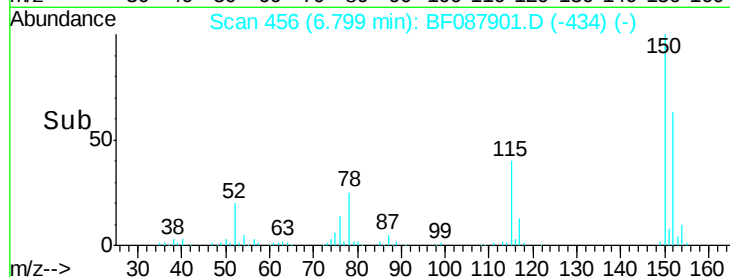
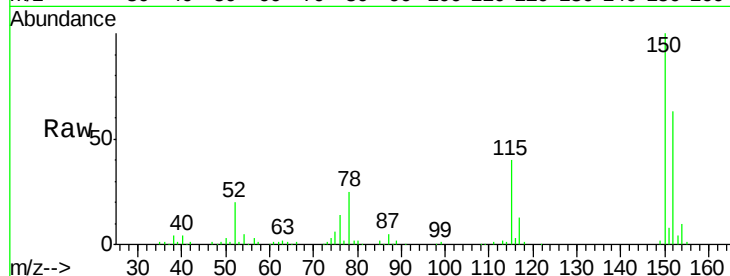




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.80 min Scan# 456
 Delta R.T. -0.05 min
 Lab File: BF087901.D
 Acq: 11 Jun 2016 14:40

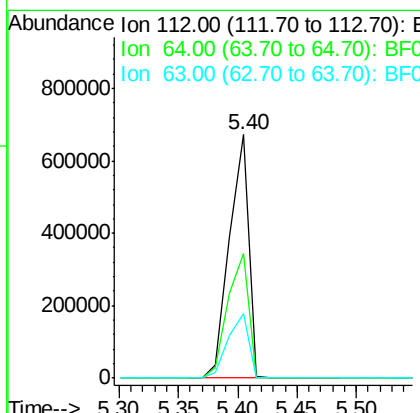
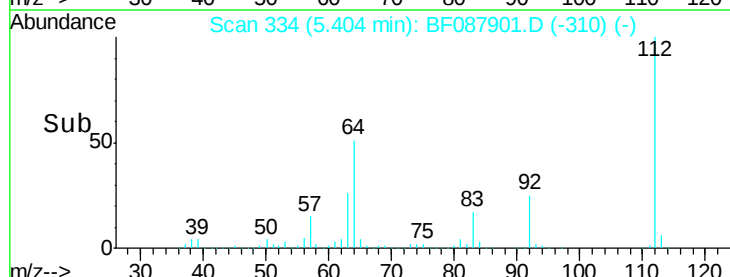
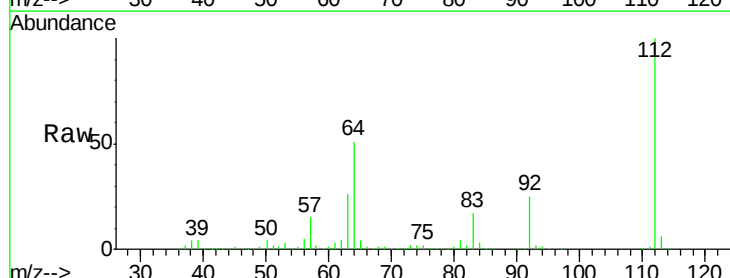
Instrument :
 BNA_F
 ClientSampleID :
 PB91188BL

Tot Ion:152 Resp: 103077
 Ion Ratio Lower Upper
 152 100
 150 157.7 123.8 185.6
 115 62.7 39.6 59.4#



#5
 2-Fluorophenol
 Concen: 125.67 ng
 RT: 5.40 min Scan# 334
 Delta R.T. -0.02 min
 Lab File: BF087901.D
 Acq: 11 Jun 2016 14:40

Tgt Ion:112 Resp: 757702
 Ion Ratio Lower Upper
 112 100
 64 51.3 42.2 63.2
 63 26.4 21.8 32.8





#7

Phenol-d6

Concen: 124.18 ng

RT: 6.43 min Scan# 424

Delta R.T. -0.05 min

Lab File: BF087901.D

Acq: 11 Jun 2016 14:40

Instrument :

BNA_F

ClientSampleId :

PB91188BL

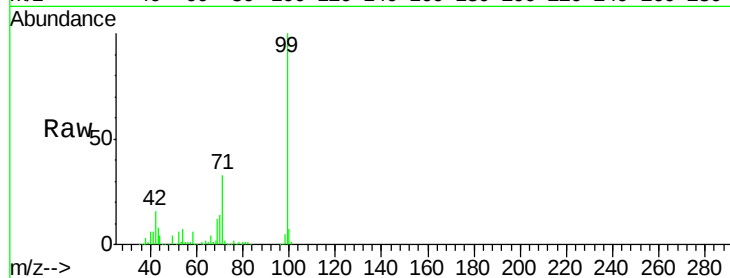
Tot Ion: 99 Resp: 907421

Ion Ratio Lower Upper

99 100

42 16.4 12.2 18.2

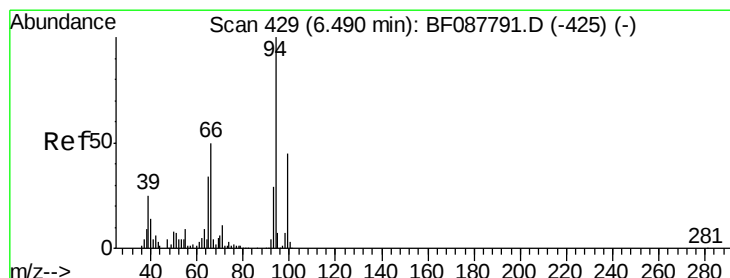
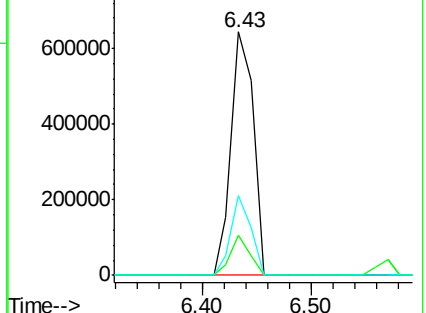
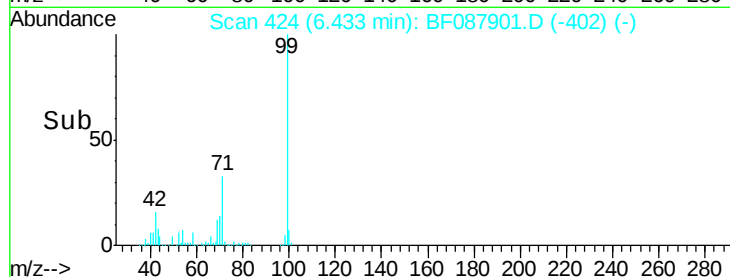
71 32.7 23.4 35.0



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: BF087901.D

Acq: 11 Jun 2016 14:40

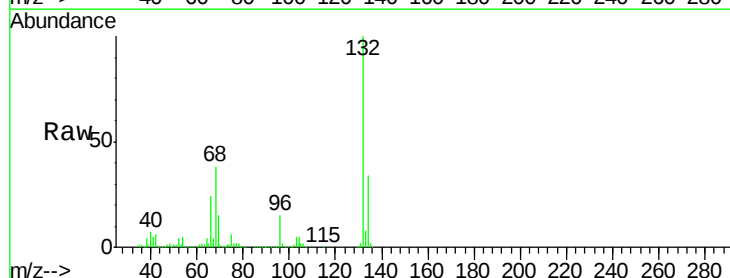
Tgt Ion: 94 Resp: 1309

Ion Ratio Lower Upper

94 100

65 1002.4 5.9 45.9#

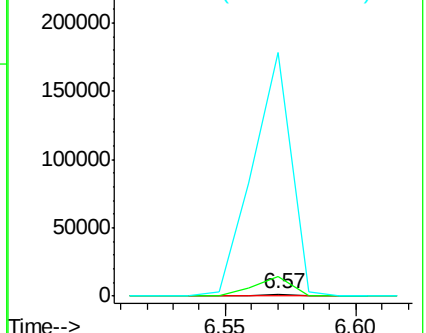
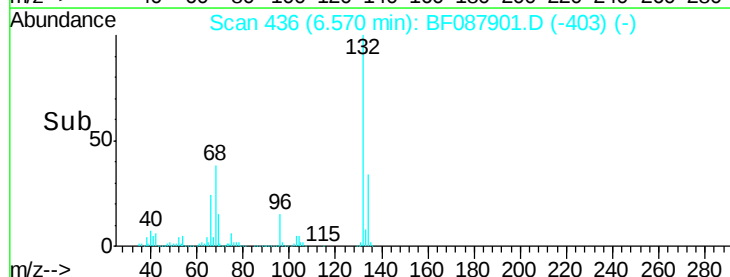
66 12443.0 14.0 54.0#

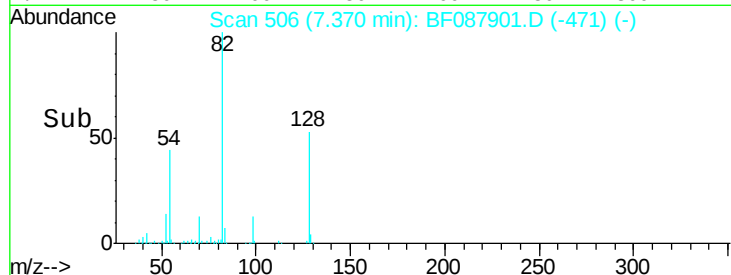
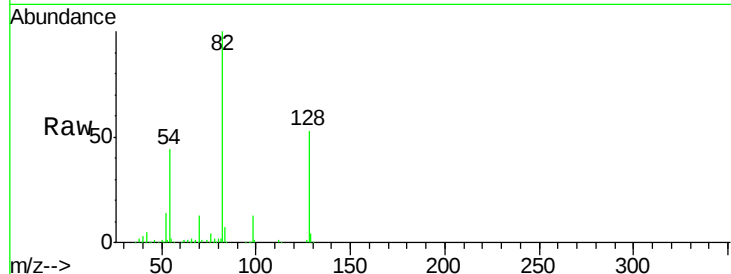


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

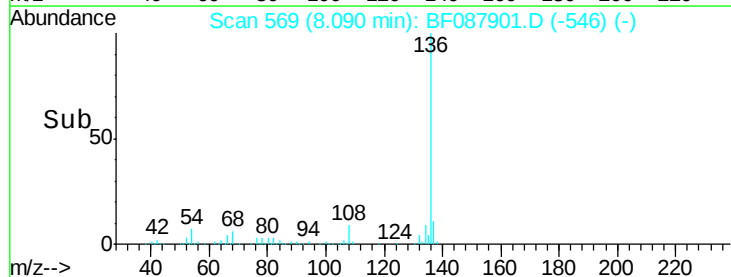
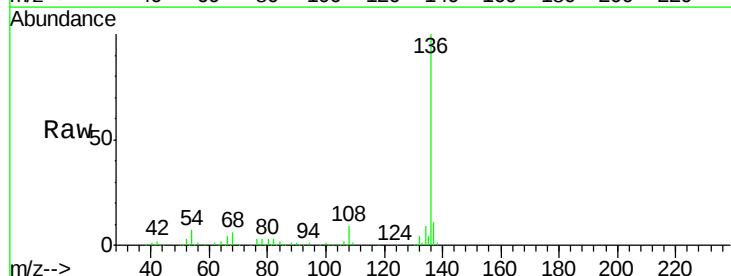
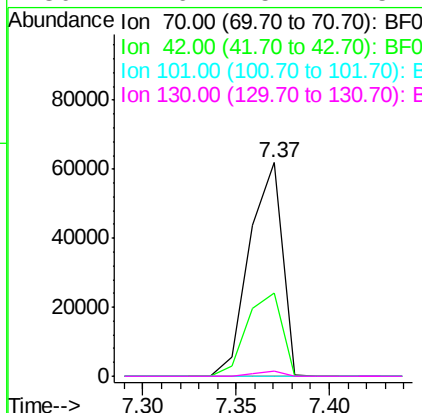




#19
n-Nitroso-di-n-propylamine
Concen: 16.35 ng
RT: 7.37 min Scan# 506
Delta R.T. 0.10 min
Lab File: BF087901.D
Acq: 11 Jun 2016 14:40

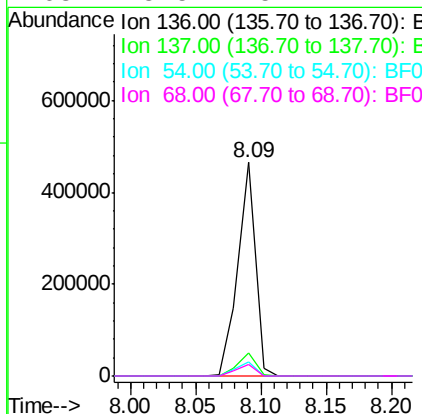
Instrument :
BNA_F
ClientSampleID :
PB91188BL

Tot Ion: 70 Resp: 76428
Ion Ratio Lower Upper
70 100
42 38.9 49.6 74.4#
101 0.0 7.1 10.7#
130 2.6 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: BF087901.D
Acq: 11 Jun 2016 14:40

Tgt Ion:136 Resp: 435599
Ion Ratio Lower Upper
136 100
137 11.0 9.1 13.7
54 6.7 6.6 10.0
68 5.5 5.1 7.7

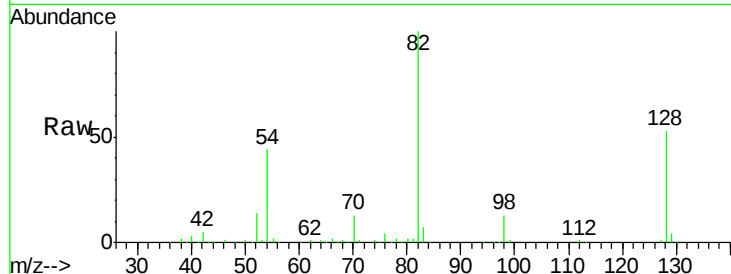




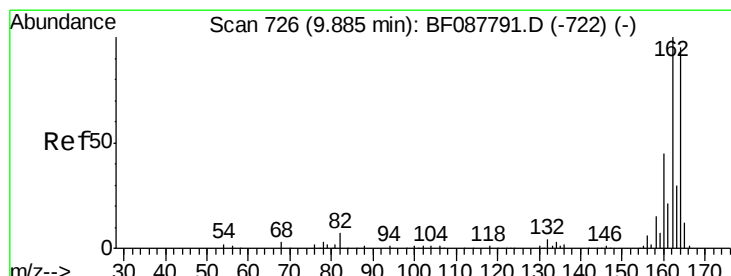
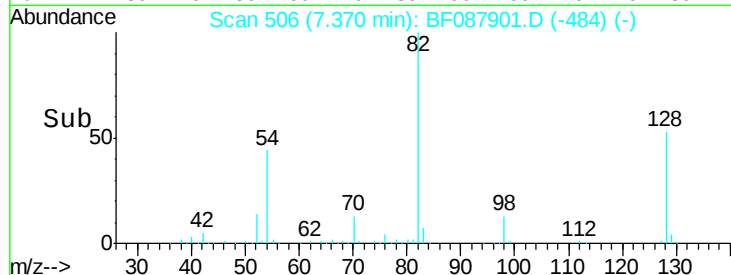
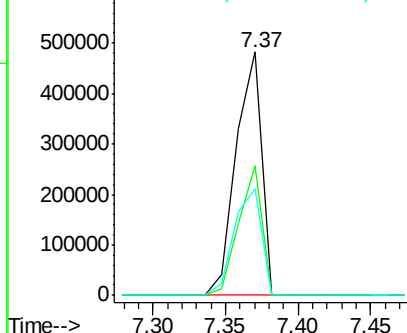
#23
 Nitrobenzene-d5
 Concen: 78.85 ng
 RT: 7.37 min Scan# 506
 Delta R.T. -0.05 min
 Lab File: BF087901.D
 Acq: 11 Jun 2016 14:40

Instrument :
 BNA_F
 ClientSampleId :
 PB91188BL

Tot Ion: 82 Resp: 588181
 Ion Ratio Lower Upper
 82 100
 128 53.3 35.9 53.9
 54 43.7 40.9 61.3

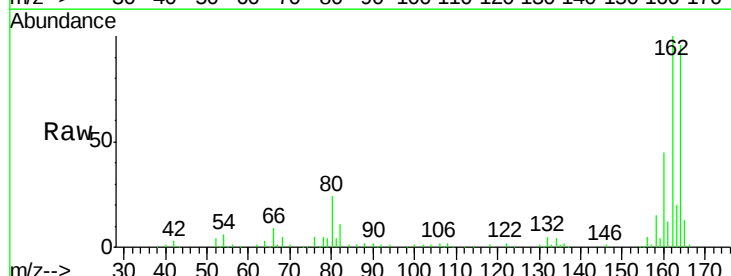


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

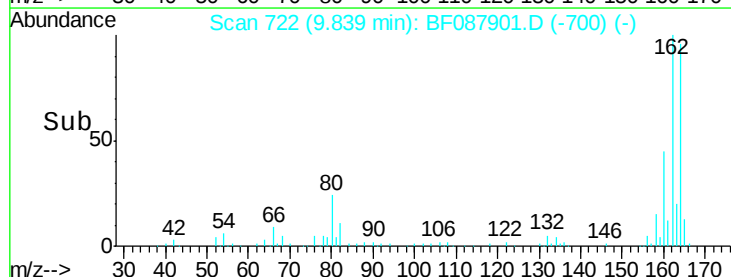
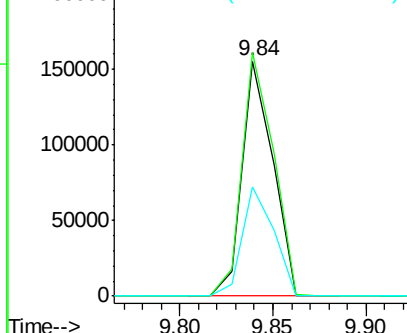


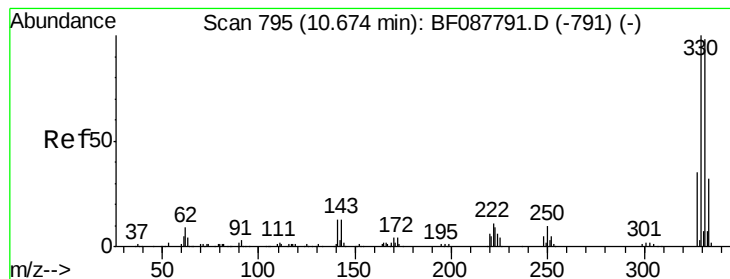
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.84 min Scan# 722
 Delta R.T. -0.05 min
 Lab File: BF087901.D
 Acq: 11 Jun 2016 14:40

Tgt Ion:164 Resp: 177532
 Ion Ratio Lower Upper
 164 100
 162 103.7 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

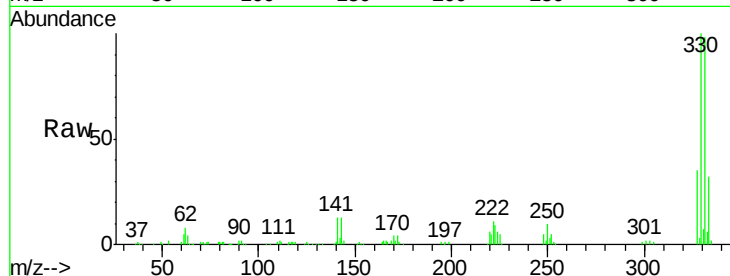




#41
 2,4,6-Tribromophenol
 Concen: 118.10 ng
 RT: 10.64 min Scan# 792
 Delta R.T. -0.03 min
 Lab File: BF087901.D
 Acq: 11 Jun 2016 14:40

Instrument :
 BNA_F
 ClientSampleId :
 PB91188BL

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	0.0	0.0#
141	32.1	0.0	0.0#

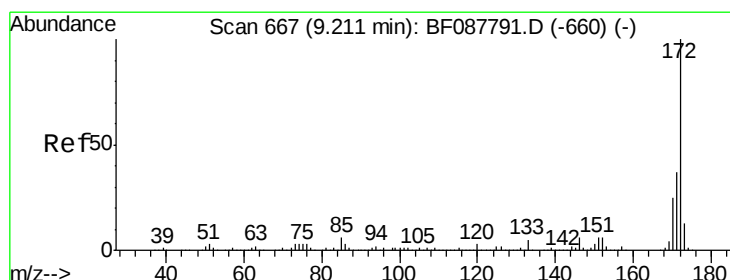
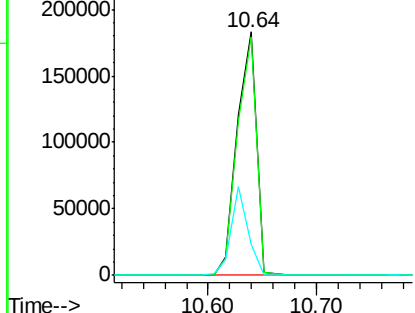
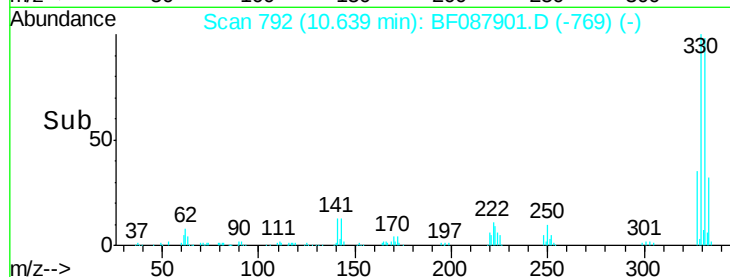


Abundance

Ion 329.80 (329.50 to 330.50): E

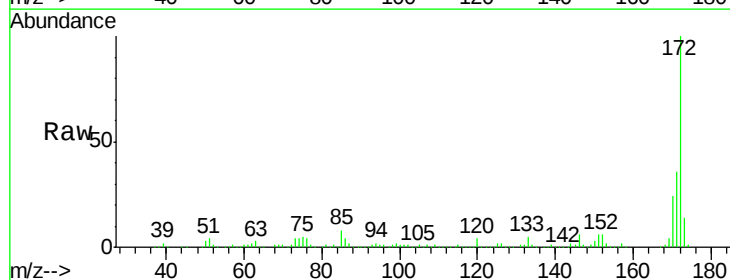
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 95.75 ng
 RT: 9.16 min Scan# 663
 Delta R.T. -0.05 min
 Lab File: BF087901.D
 Acq: 11 Jun 2016 14:40

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.6	43.0
170	23.8	19.2	28.8

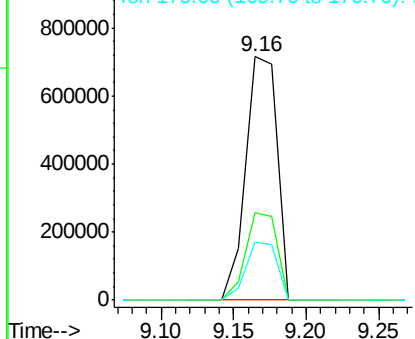
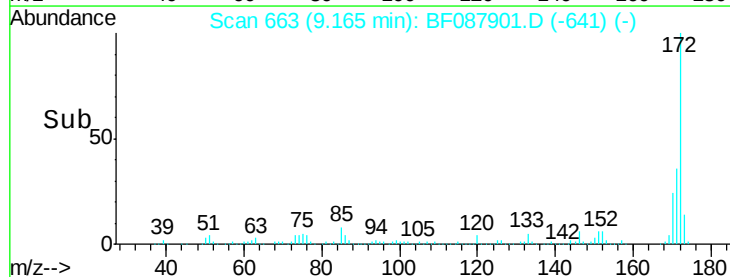


Abundance

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: BF087901.D

Acq: 11 Jun 2016 14:40

Instrument :

BNA_F

ClientSampleId :

PB91188BL

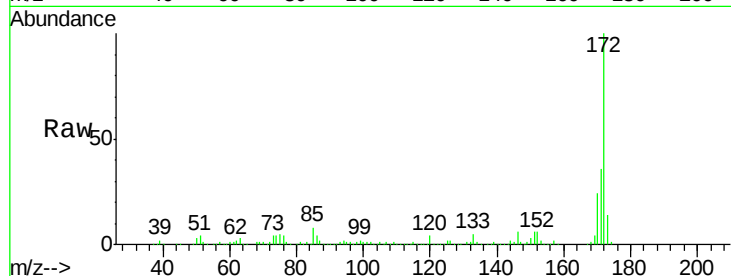
Tot Ion:154 Resp: 2071

Ion Ratio Lower Upper

154 100

153 848.6 20.6 60.6#

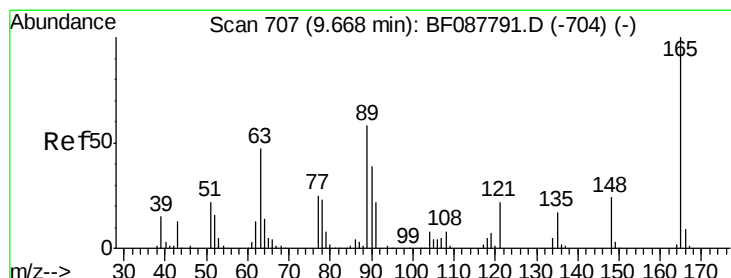
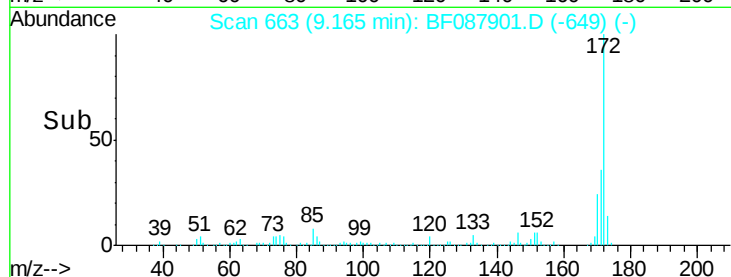
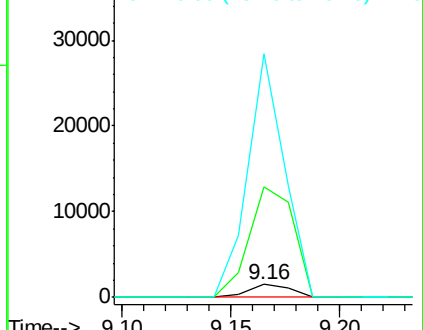
76 1859.7 0.0 35.1#



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: 7.71 ng

RT: 9.84 min Scan# 722

Delta R.T. 0.17 min

Lab File: BF087901.D

Acq: 11 Jun 2016 14:40

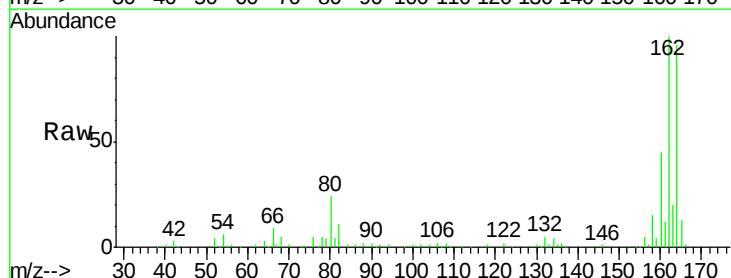
Tgt Ion:165 Resp: 22709

Ion Ratio Lower Upper

165 100

63 0.0 28.1 42.1#

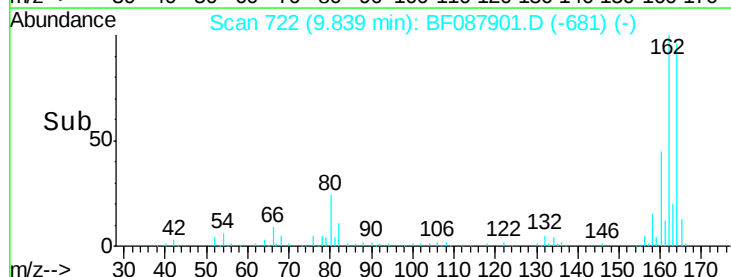
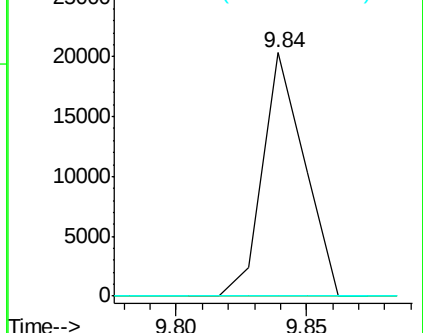
89 0.0 32.2 48.2#

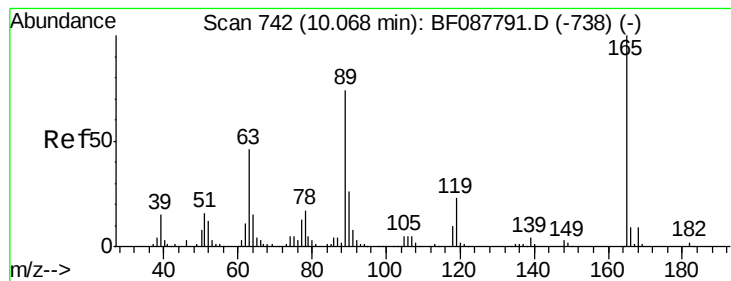


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#56

2,4-Dinitrotoluene

Concen: 6.00 ng

RT: 9.84 min Scan# 722

Delta R.T. -0.23 min

Lab File: BF087901.D

Acq: 11 Jun 2016 14:40

Instrument :

BNA_F

ClientSampleId :

PB91188BL

Tot Ion:165 Resp: 22710

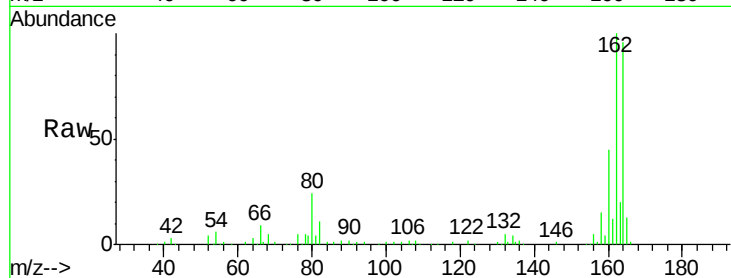
Ion Ratio Lower Upper

165 100

63 0.0 22.0 33.0#

89 0.0 41.1 61.7#

182 0.0 2.0 3.0#



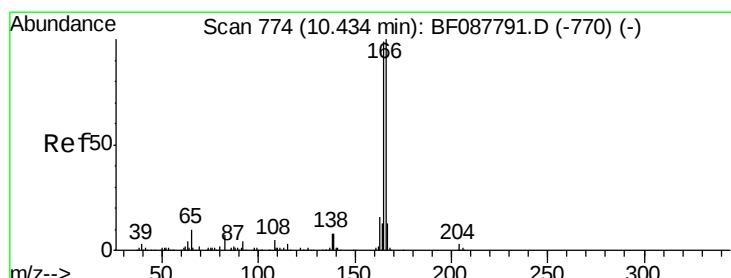
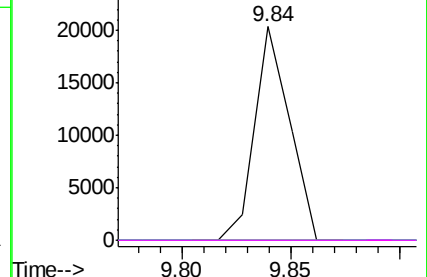
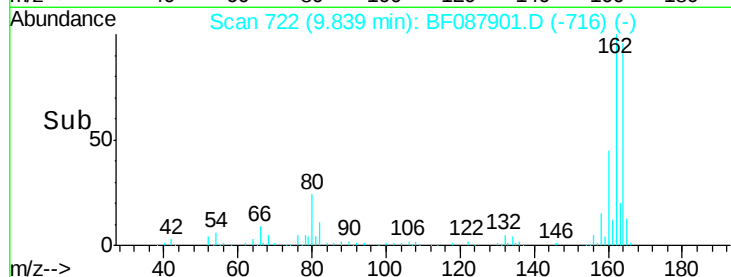
Abundance Ion 165.00 (164.70 to 165.70): E

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

Time-->



#57

Fluorene

Concen: Below Cal

RT: 10.63 min Scan# 791

Delta R.T. 0.19 min

Lab File: BF087901.D

Acq: 11 Jun 2016 14:40

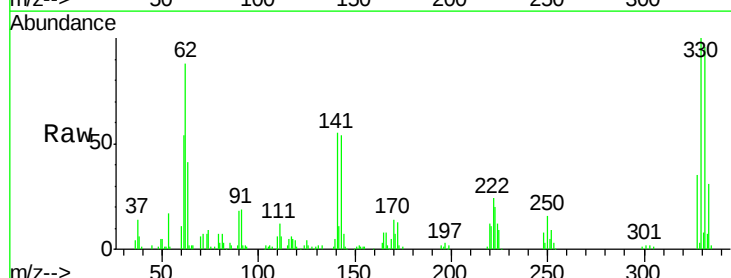
Tgt Ion:166 Resp: 10434

Ion Ratio Lower Upper

166 100

165 102.5 77.8 116.8

167 30.1 11.2 16.8#

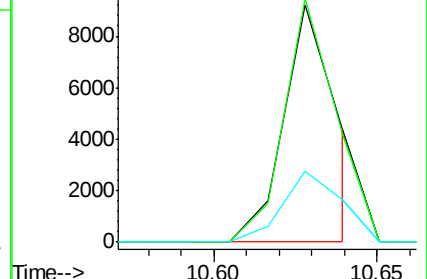
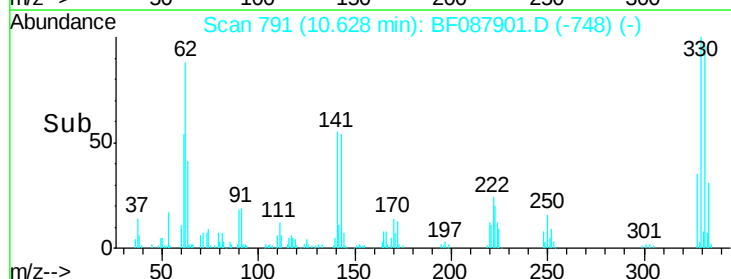


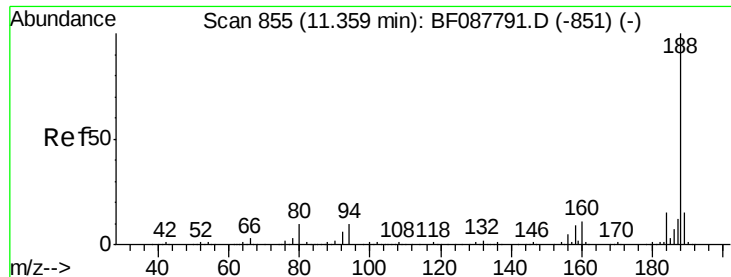
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

Time-->

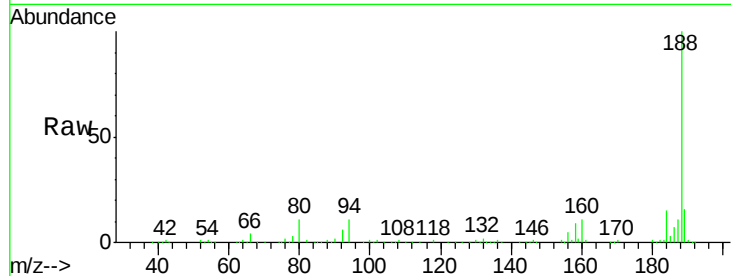




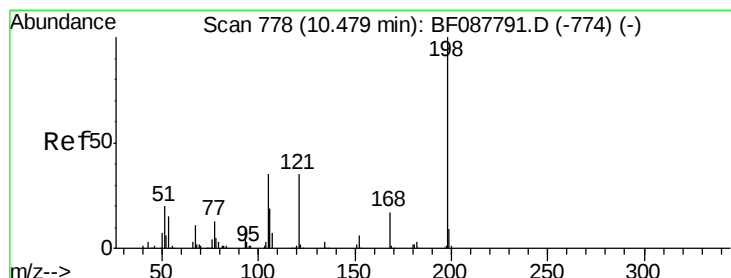
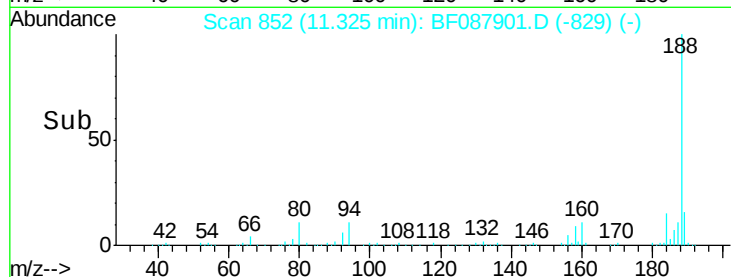
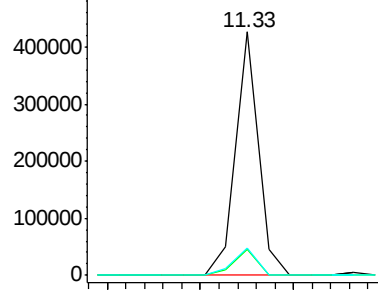
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 852
Delta R.T. -0.03 min
Lab File: BF087901.D
Acq: 11 Jun 2016 14:40

Instrument :
BNA_F
ClientSampleId :
PB91188BL

Tot Ion:188 Resp: 360601
Ion Ratio Lower Upper
188 100
94 10.7 9.0 13.6
80 11.4 10.0 15.0

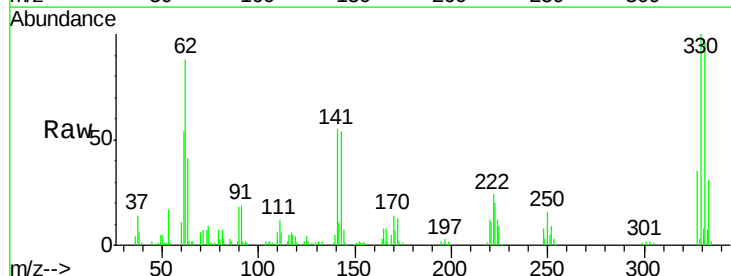


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

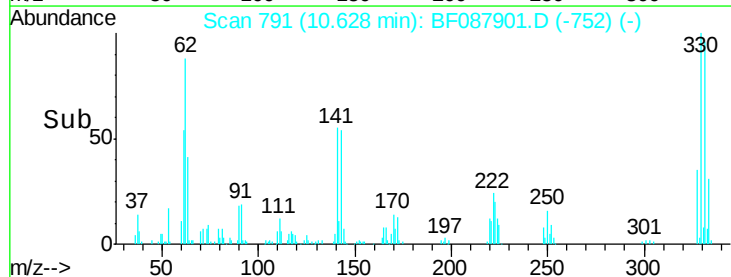
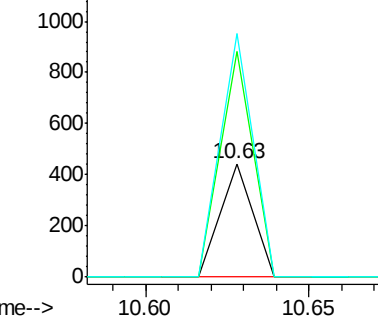


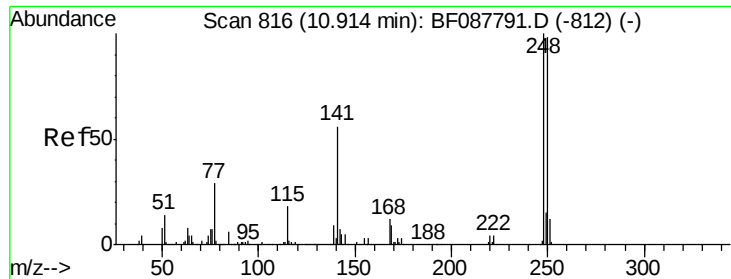
#64
4,6-Dinitro-2-methylphenol
Concen: 2.29 ng
RT: 10.63 min Scan# 791
Delta R.T. 0.15 min
Lab File: BF087901.D
Acq: 11 Jun 2016 14:40

Tgt Ion:198 Resp: 304
Ion Ratio Lower Upper
198 100
51 198.9 39.6 79.6#
105 214.4 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: 3.65 ng

RT: 10.63 min Scan# 791

Delta R.T. -0.29 min

Lab File: BF087901.D

Acq: 11 Jun 2016 14:40

Instrument :

BNA_F

ClientSampleId :

PB91188BL

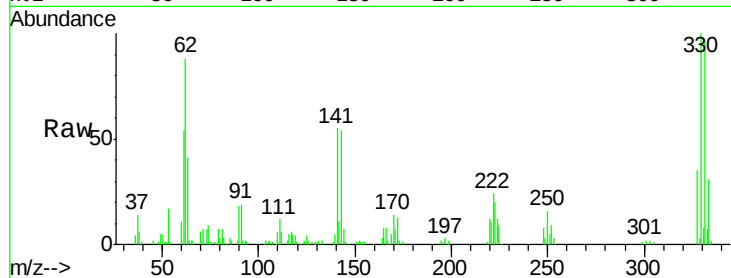
Tot Ion:248 Resp: 14113

Ion Ratio Lower Upper

248 100

250 192.3 77.1 115.7#

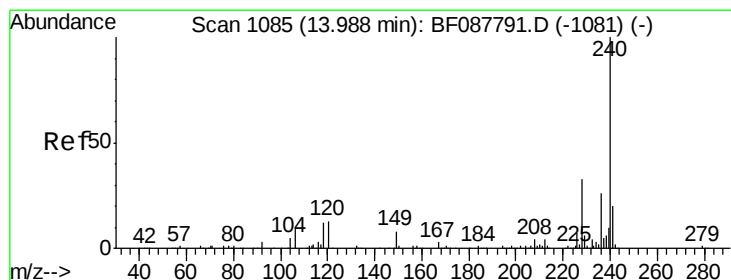
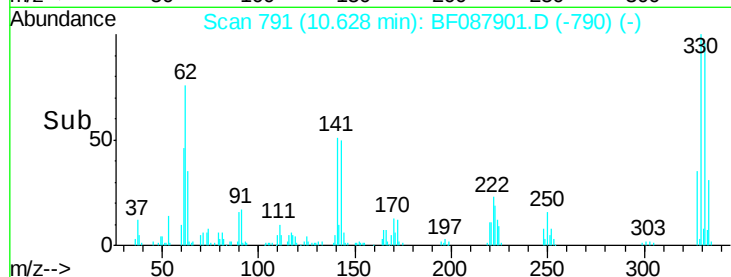
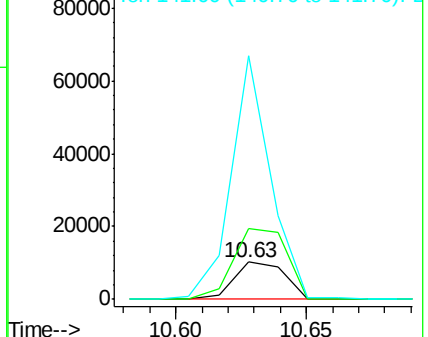
141 656.8 50.6 76.0#



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: BF087901.D

Acq: 11 Jun 2016 14:40

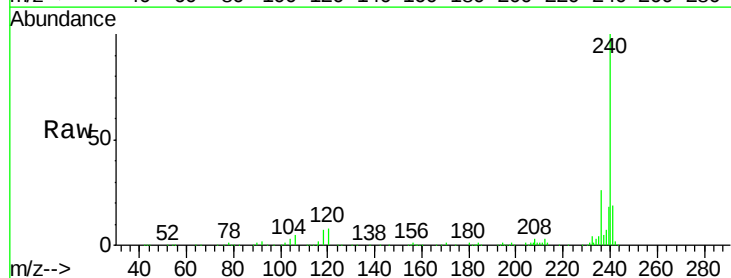
Tgt Ion:240 Resp: 376967

Ion Ratio Lower Upper

240 100

120 7.6 6.8 10.2

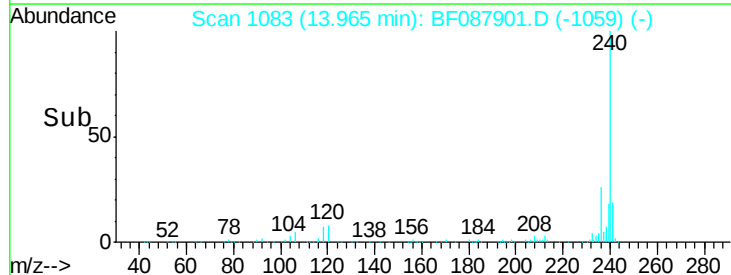
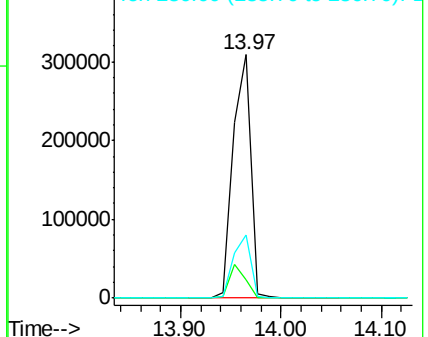
236 25.7 20.2 30.2

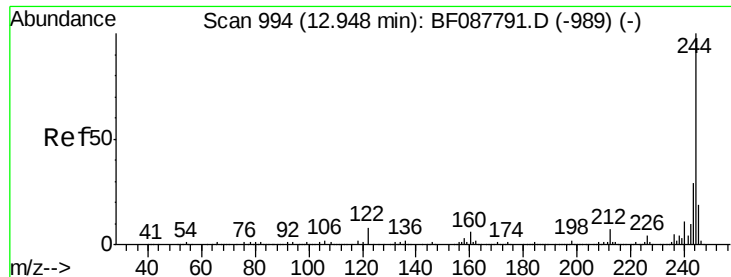


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

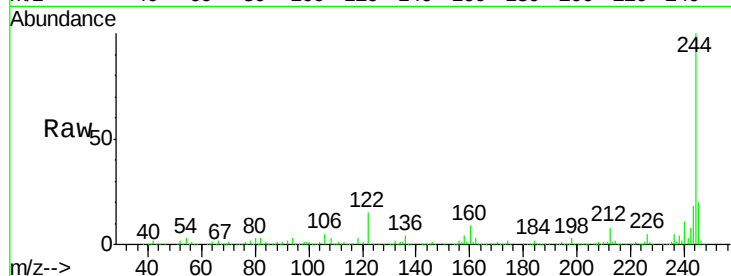




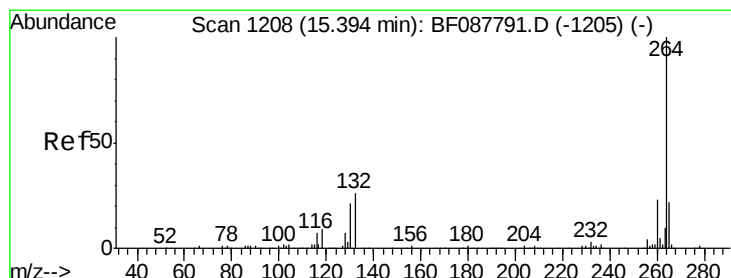
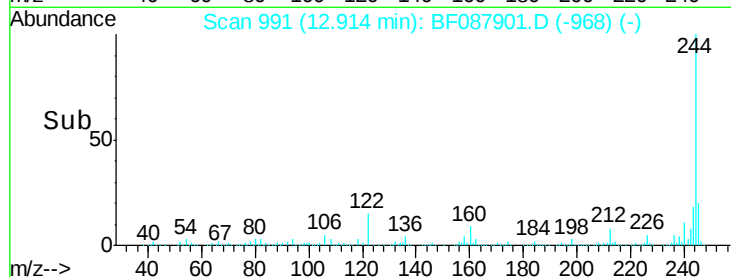
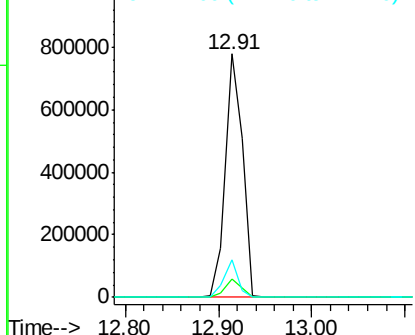
#78
 Terphenyl-d14
 Concen: 60.21 ng
 RT: 12.91 min Scan# 991
 Delta R.T. -0.03 min
 Lab File: BF087901.D
 Acq: 11 Jun 2016 14:40

Instrument :
 BNA_F
 ClientSampleID :
 PB91188BL

Tot Ion:244 Resp: 997411
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.0 9.0
 122 15.2 11.2 16.8

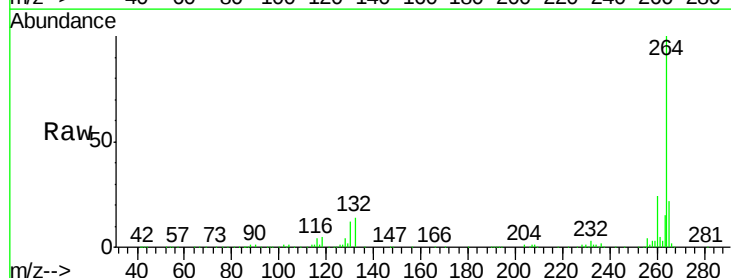


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.38 min Scan# 1207
 Delta R.T. -0.01 min
 Lab File: BF087901.D
 Acq: 11 Jun 2016 14:40

Tgt Ion:264 Resp: 306590
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.2 28.8
 265 21.6 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

