

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061116\
 Data File : BF087906.D
 Acq On : 11 Jun 2016 17:07
 Operator : UM/SJ
 Sample : PB91119BL
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB91119BL

Quant Time: Jun 12 04:39:17 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	104937	20.00	ng	-0.05
21) Naphthalene-d8	8.09	136	445442	20.00	ng	-0.03
38) Acenaphthene-d10	9.84	164	204659	20.00	ng	-0.05
63) Phenanthrene-d10	11.32	188	363784	20.00	ng	-0.03
75) Chrysene-d12	13.95	240	359928	20.00	ng	-0.03
86) Perylene-d12	15.37	264	303468	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	755763	123.12	ng	-0.02
7) Phenol-d6	6.43	99	852112	114.54	ng	-0.05
23) Nitrobenzene-d5	7.37	82	581728	76.26	ng	-0.05
41) 2,4,6-Tribromophenol	10.64	330	219173	101.42	ng	-0.03
44) 2-Fluorobiphenyl	9.16	172	1065788	81.59	ng	-0.05
78) Terphenyl-d14	12.91	244	951014	60.13	ng	-0.03

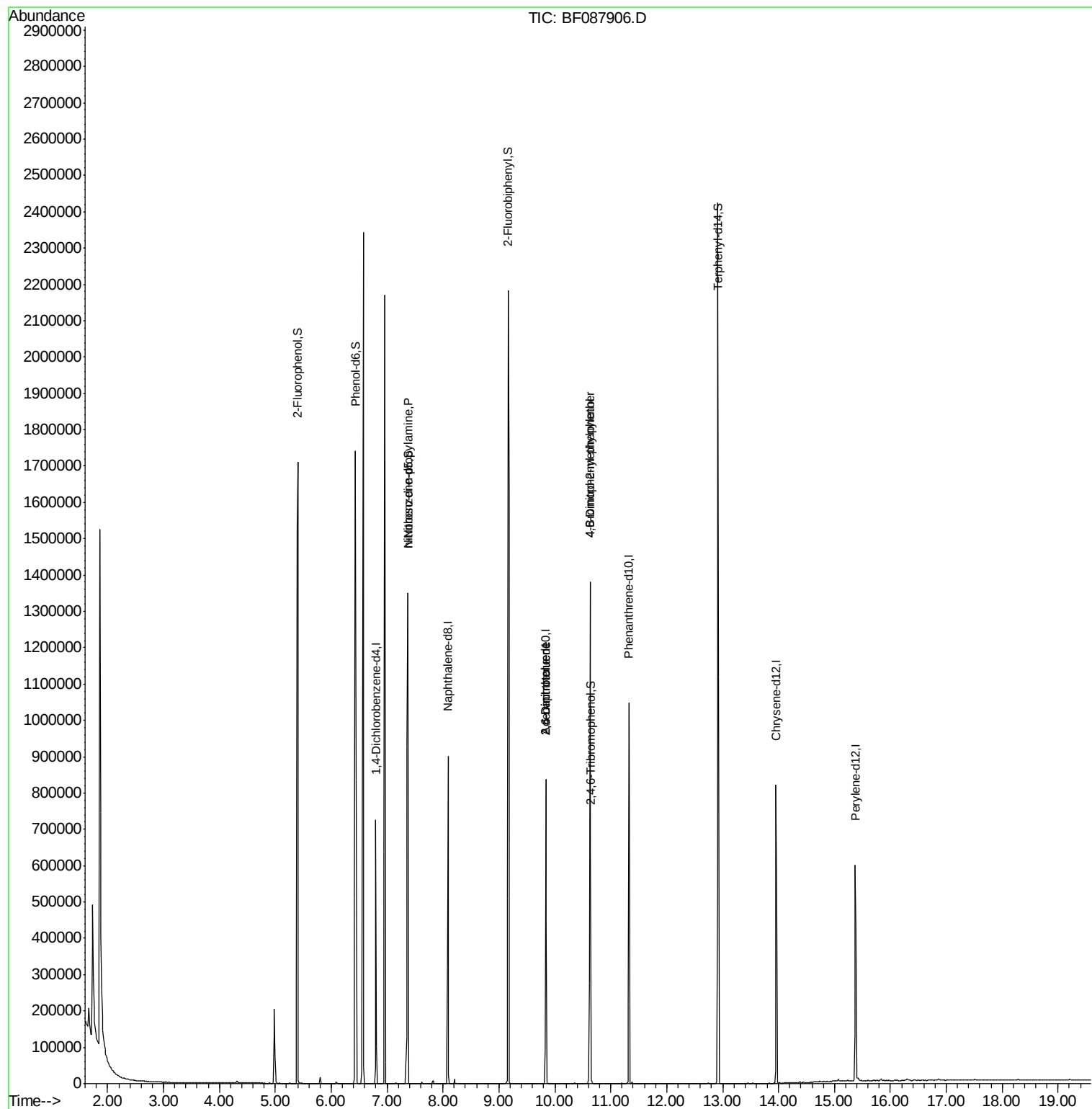
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.57	94	1361	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.37	70	75506	15.87	ng	70
45) 1,1'-Biphenyl	9.16	154	2001	Below Cal	#	1
50) 2,6-Dinitrotoluene	9.84	165	26086	7.68	ng	38
56) 2,4-Dinitrotoluene	9.84	165	26081	5.98	ng	37
57) Fluorene	10.63	166	9377	Below Cal	#	85
64) 4,6-Dinitro-2-methylphenol	10.63	198	323	2.30	ng	1
66) 4-Bromophenyl-phenylether	10.63	248	13144	3.37	ng	1

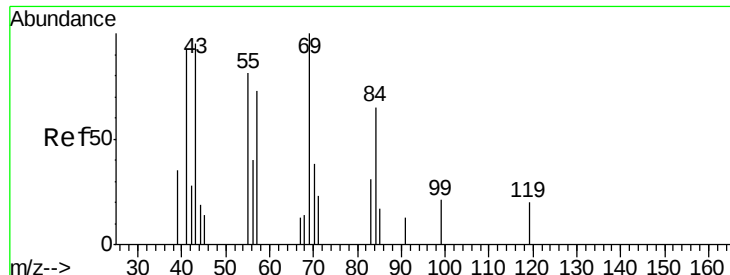
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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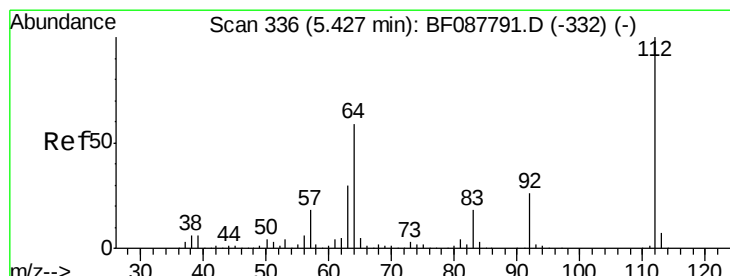
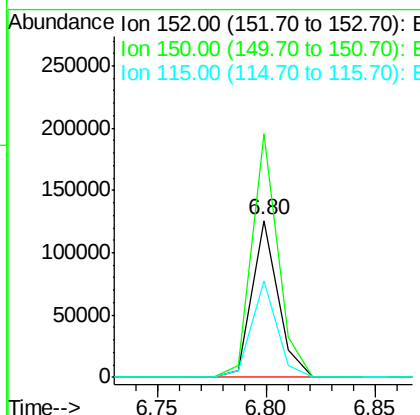
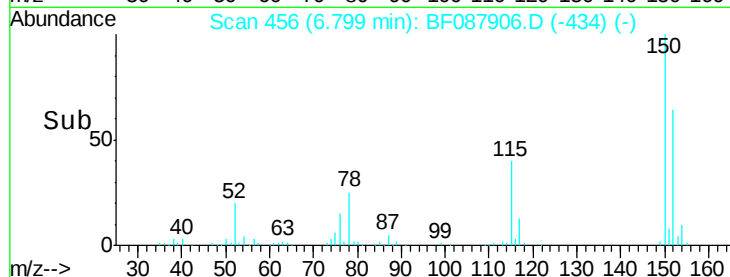
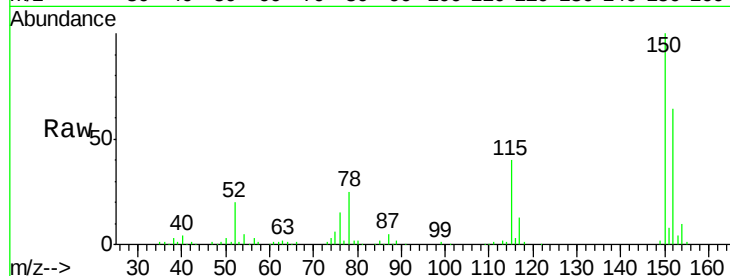




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.80 min Scan# 456
 Delta R.T. -0.05 min
 Lab File: BF087906.D
 Acq: 11 Jun 2016 17:07

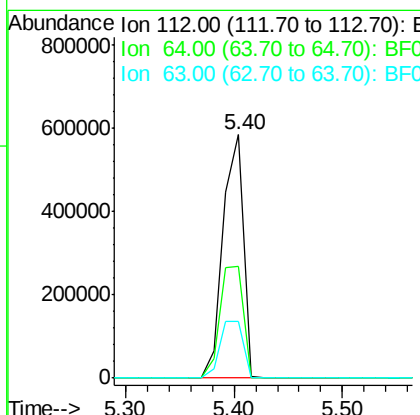
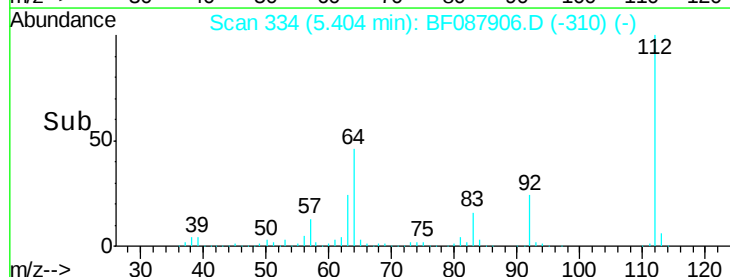
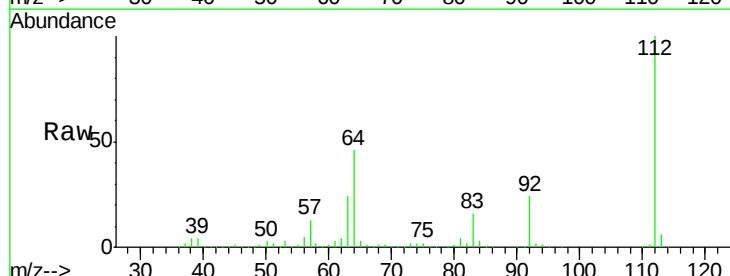
Instrument :
 BNA_F
 ClientSampled :
 PB91119BL

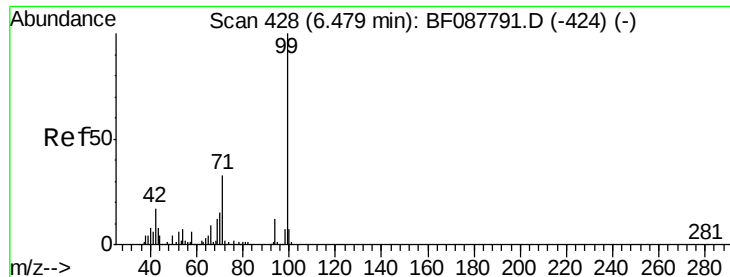
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	123.8	185.6
115	61.5	39.6	59.4



#5
 2-Fluorophenol
 Concen: 123.12 ng
 RT: 5.40 min Scan# 334
 Delta R.T. -0.02 min
 Lab File: BF087906.D
 Acq: 11 Jun 2016 17:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	45.9	42.2	63.2
63	23.6	21.8	32.8





#7

Phenol-d6

Concen: 114.54 ng

RT: 6.43 min Scan# 424

Delta R.T. -0.05 min

Lab File: BF087906.D

Acq: 11 Jun 2016 17:07

Instrument :

BNA_F

ClientSampleId :

PB91119BL

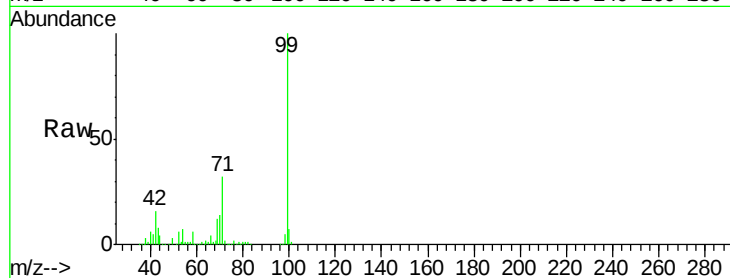
Tot Ion: 99 Resp: 852112

Ion Ratio Lower Upper

99 100

42 16.3 12.2 18.2

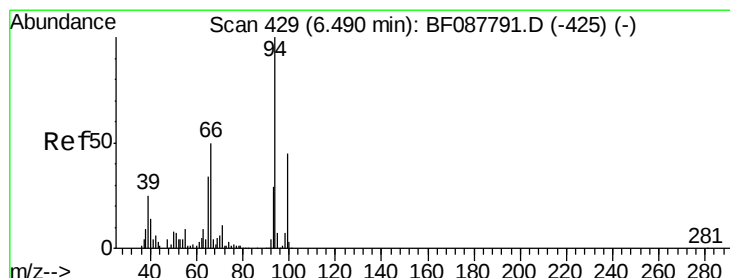
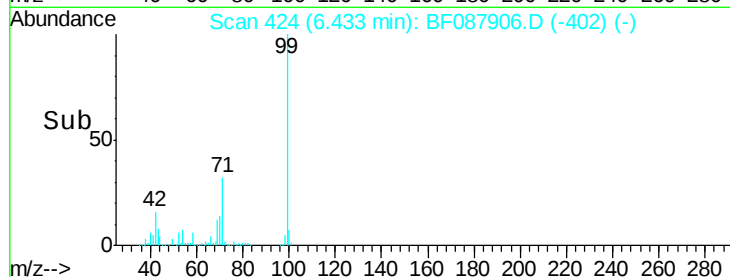
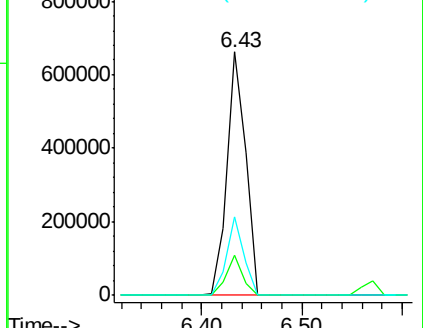
71 32.5 23.4 35.0



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: BF087906.D

Acq: 11 Jun 2016 17:07

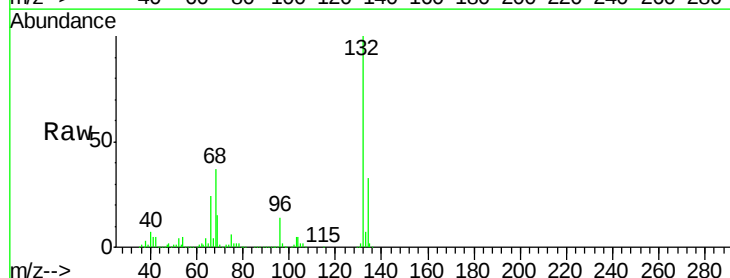
Tgt Ion: 94 Resp: 1361

Ion Ratio Lower Upper

94 100

65 1011.6 5.9 45.9#

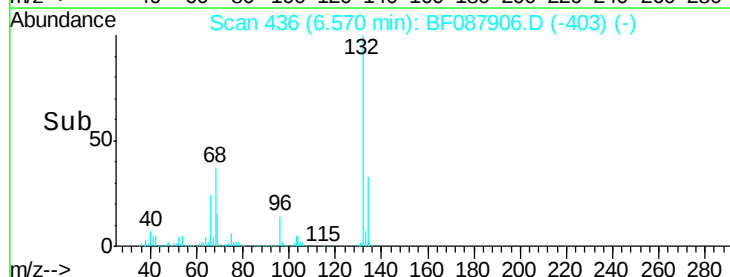
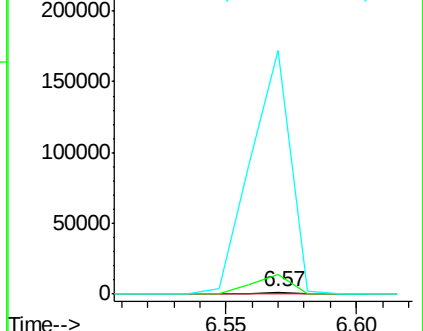
66 12209.5 14.0 54.0#

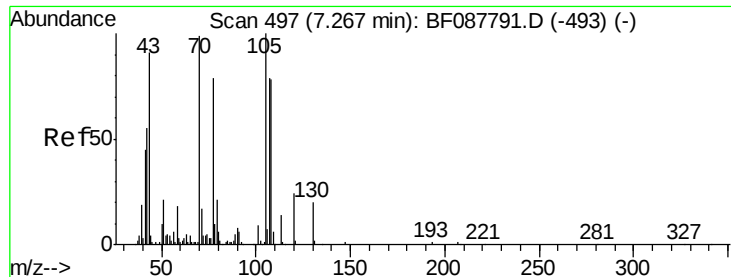


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

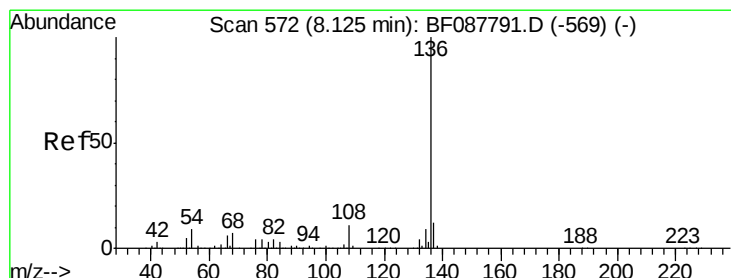
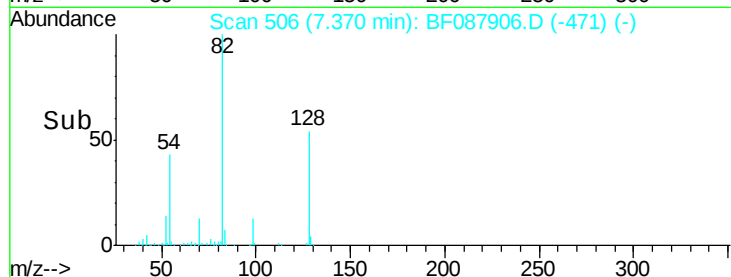
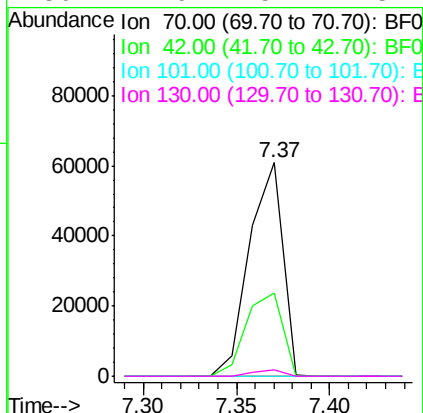
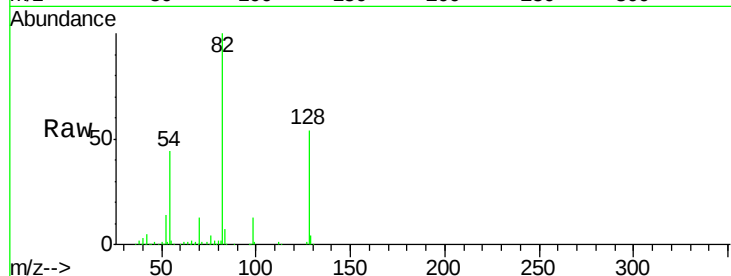




#19
n-Nitroso-di-n-propylamine
Concen: 15.87 ng
RT: 7.37 min Scan# 506
Delta R.T. 0.10 min
Lab File: BF087906.D
Acq: 11 Jun 2016 17:07

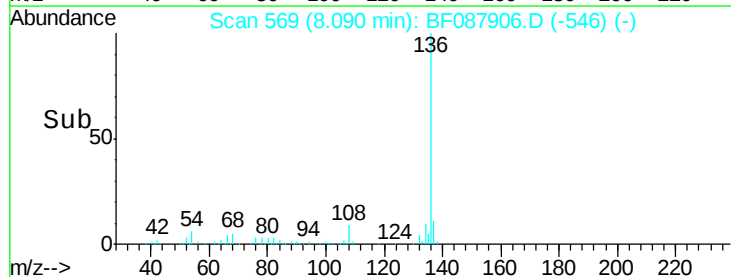
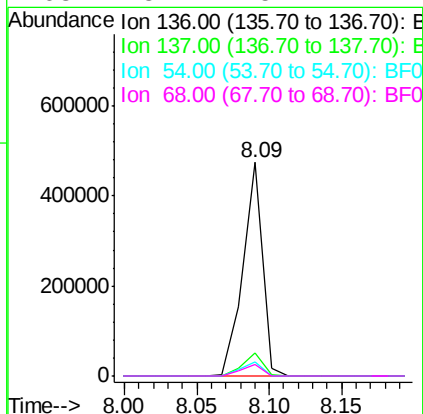
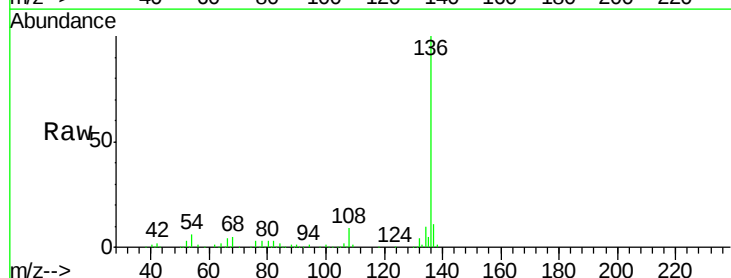
Instrument :
BNA_F
ClientSampleId :
PB91119BL

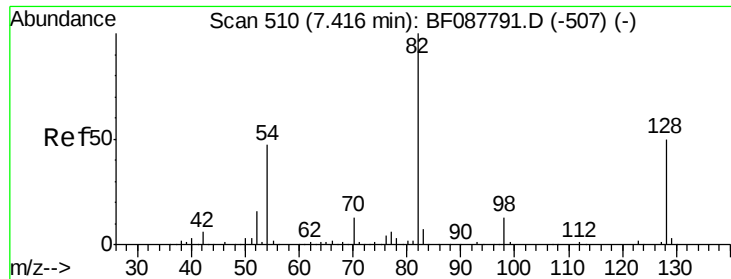
Tot Ion:	70	Resp:	75506
Ion	Ratio	Lower	Upper
70	100		
42	39.2	49.6	74.4#
101	0.0	7.1	10.7#
130	2.9	15.4	23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 569
Delta R.T. -0.03 min
Lab File: BF087906.D
Acq: 11 Jun 2016 17:07

Tgt Ion:	136	Resp:	445442
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.1	13.7
54	6.3	6.6	10.0#
68	5.4	5.1	7.7

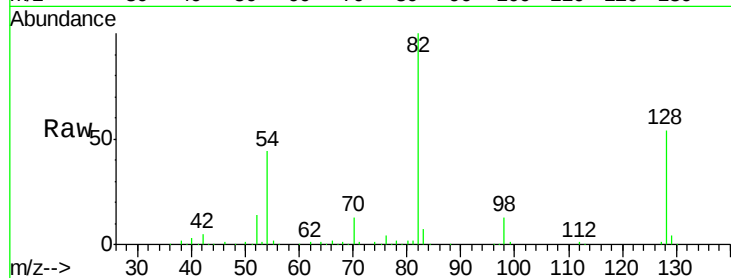




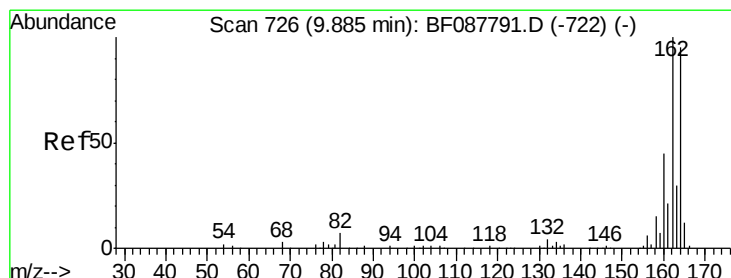
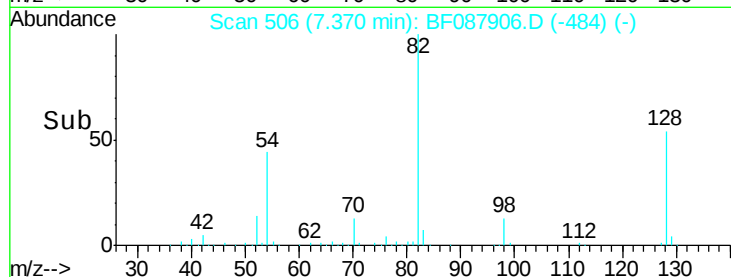
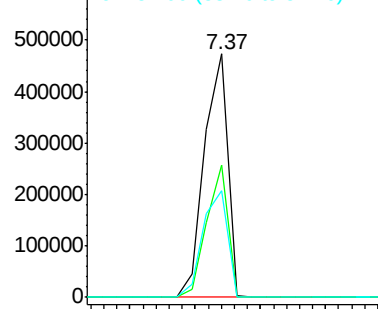
#23
 Nitrobenzene-d5
 Concen: 76.26 ng
 RT: 7.37 min Scan# 506
 Delta R.T. -0.05 min
 Lab File: BF087906.D
 Acq: 11 Jun 2016 17:07

Instrument :
 BNA_F
 ClientSampleId :
 PB91119BL

Tot Ion: 82 Resp: 581728
 Ion Ratio Lower Upper
 82 100
 128 54.2 35.9 53.9#
 54 43.6 40.9 61.3

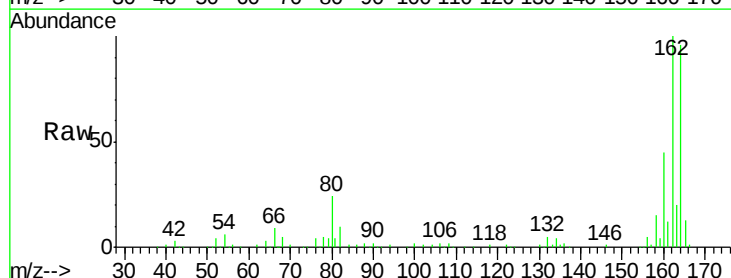


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

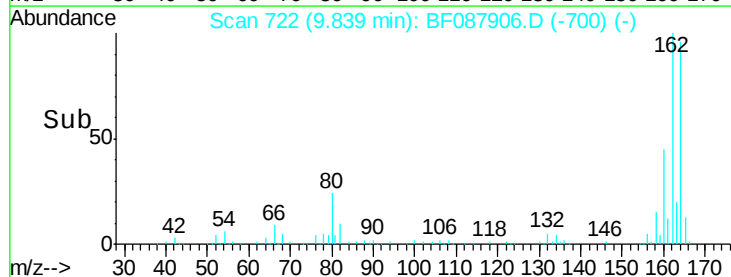
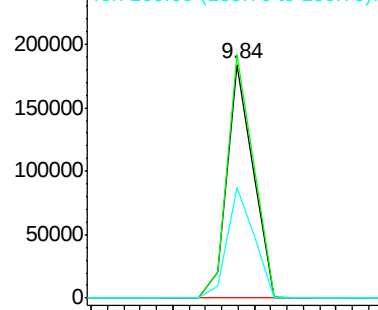


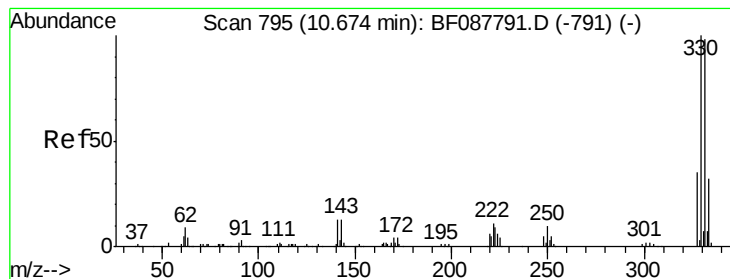
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.84 min Scan# 722
 Delta R.T. -0.05 min
 Lab File: BF087906.D
 Acq: 11 Jun 2016 17:07

Tgt Ion:164 Resp: 204659
 Ion Ratio Lower Upper
 164 100
 162 104.2 85.4 128.2
 160 47.1 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

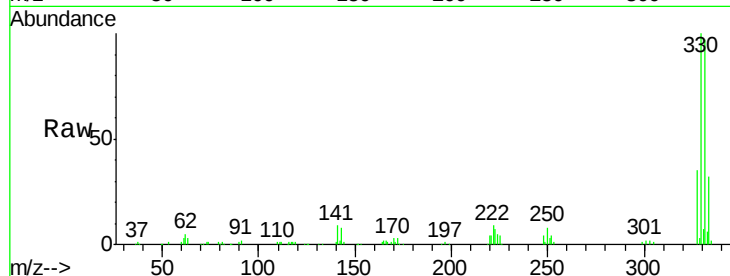




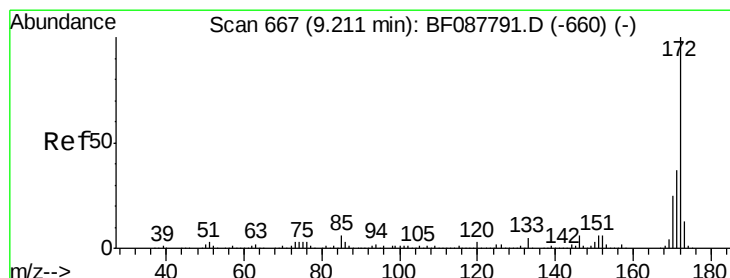
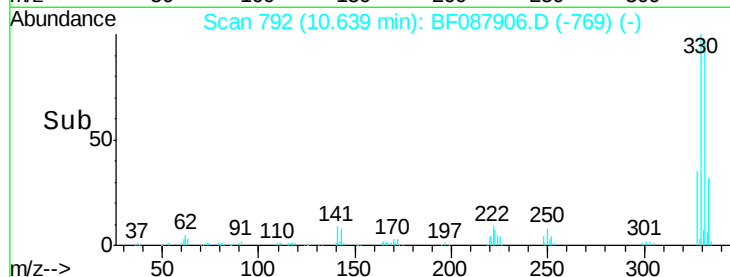
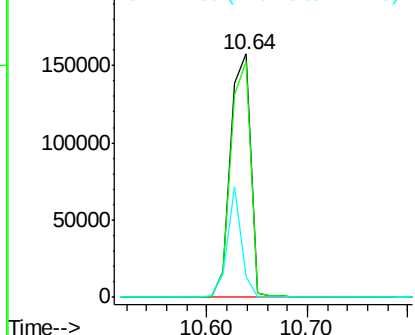
#41
 2,4,6-Tribromophenol
 Concen: 101.42 ng
 RT: 10.64 min Scan# 792
 Delta R.T. -0.03 min
 Lab File: BF087906.D
 Acq: 11 Jun 2016 17:07

Instrument :
 BNA_F
 ClientSampleId :
 PB91119BL

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	0.0	0.0#
141	32.2	0.0	0.0#

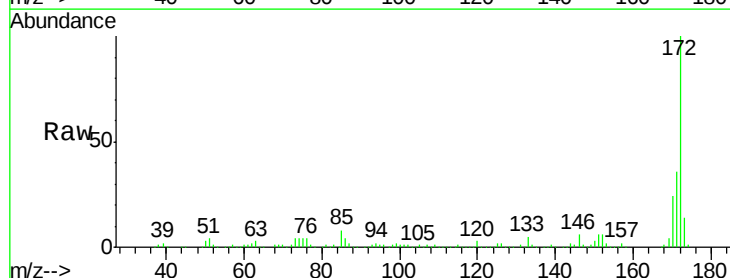


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

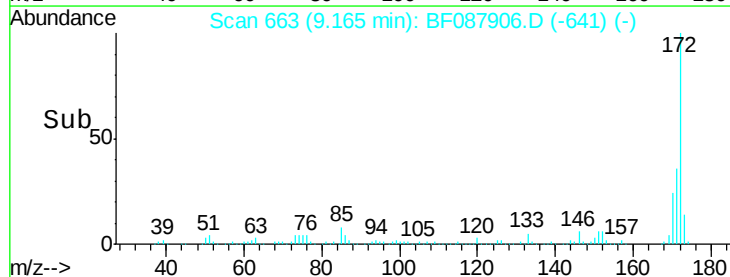
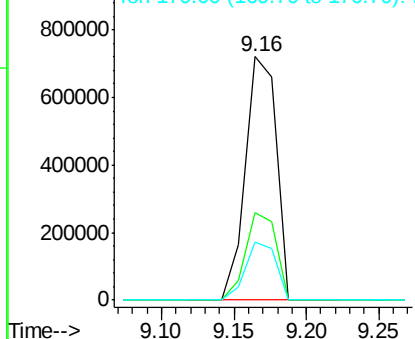


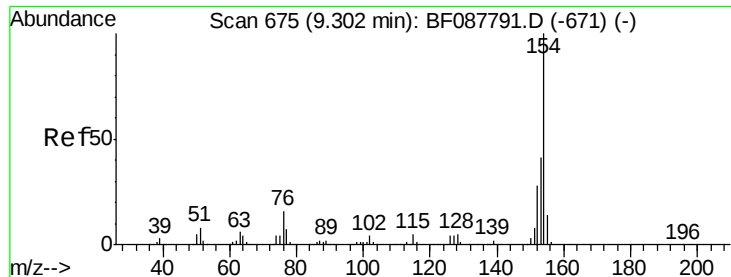
#44
 2-Fluorobiphenyl
 Concen: 81.59 ng
 RT: 9.16 min Scan# 663
 Delta R.T. -0.05 min
 Lab File: BF087906.D
 Acq: 11 Jun 2016 17:07

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	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: BF087906.D

Acq: 11 Jun 2016 17:07

Instrument :

BNA_F

ClientSampleId :

PB91119BL

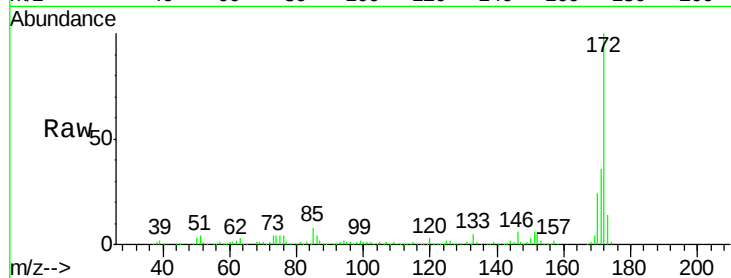
Tot Ion:154 Resp: 2001

Ion Ratio Lower Upper

154 100

153 874.2 20.6 60.6#

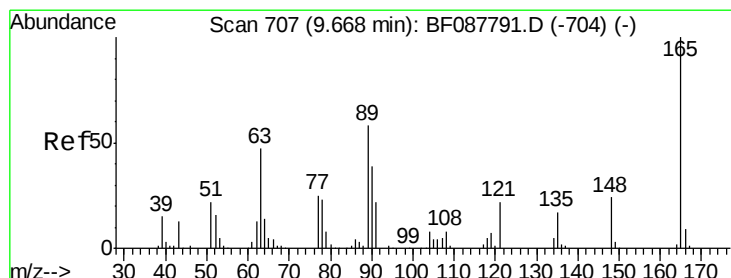
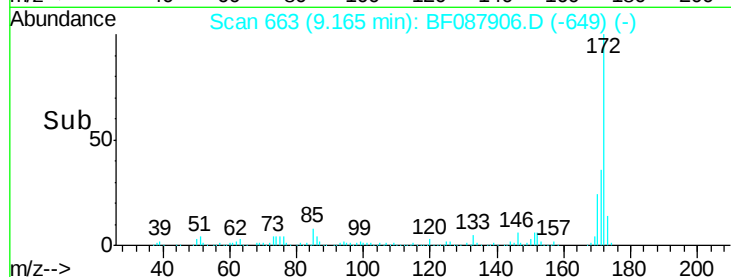
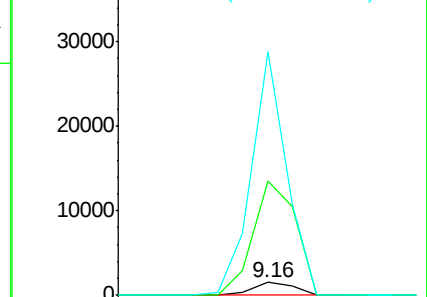
76 1866.7 0.0 35.1#



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: 7.68 ng

RT: 9.84 min Scan# 722

Delta R.T. 0.17 min

Lab File: BF087906.D

Acq: 11 Jun 2016 17:07

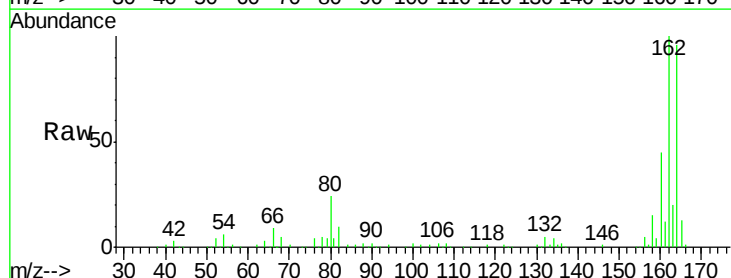
Tgt Ion:165 Resp: 26086

Ion Ratio Lower Upper

165 100

63 0.0 28.1 42.1#

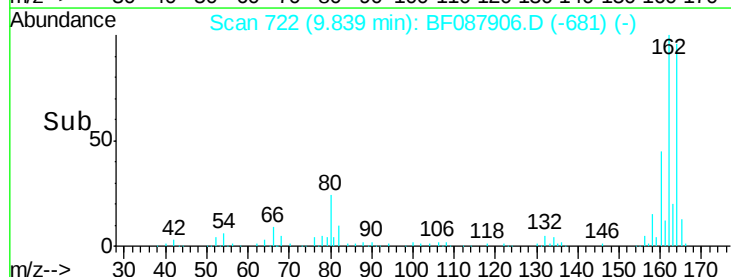
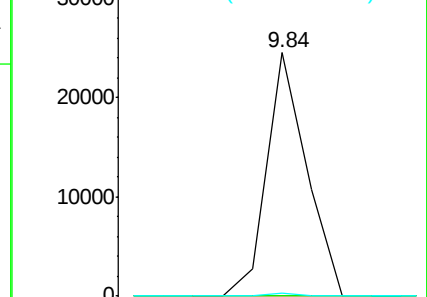
89 1.4 32.2 48.2#

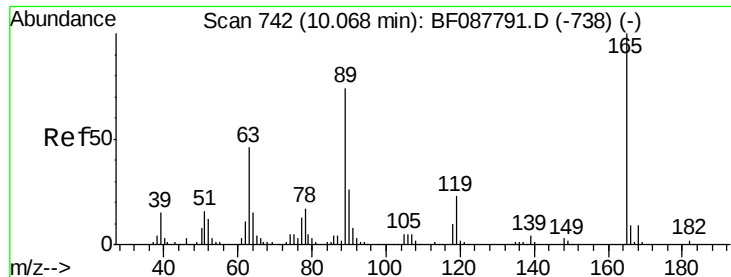


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

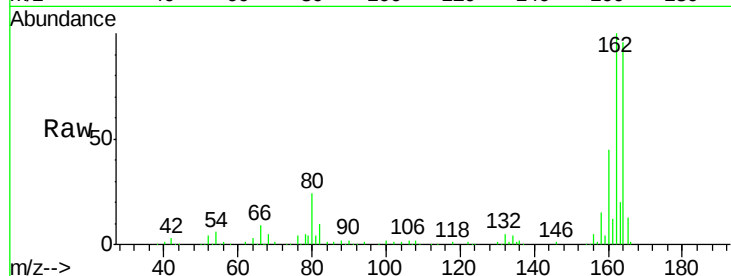




#56
2,4-Dinitrotoluene
Concen: 5.98 ng
RT: 9.84 min Scan# 722
Delta R.T. -0.23 min
Lab File: BF087906.D
Acq: 11 Jun 2016 17:07

Instrument :
BNA_F
ClientSampleId :
PB91119BL

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.0	33.0#
89	1.4	41.1	61.7#
182	0.0	2.0	3.0#

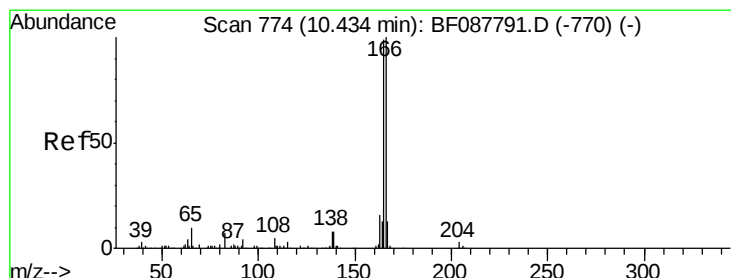
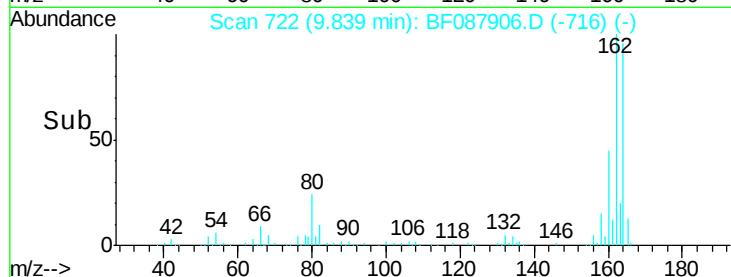
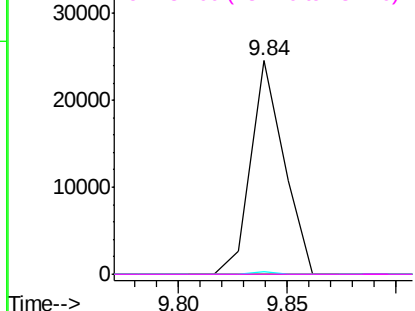


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

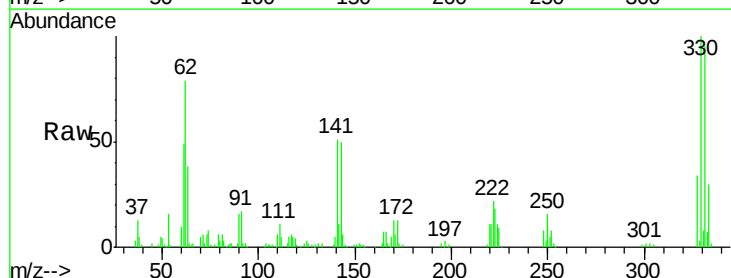
Ion 89.00 (88.70 to 89.70): BF0

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: BF087906.D
Acq: 11 Jun 2016 17:07

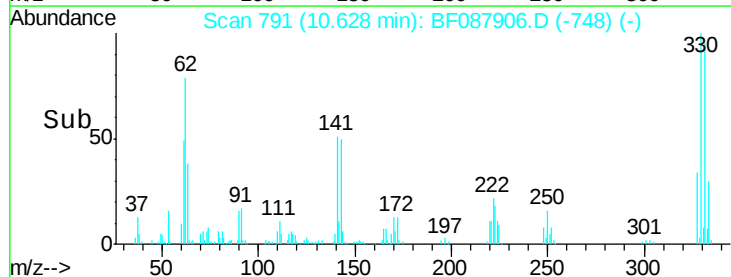
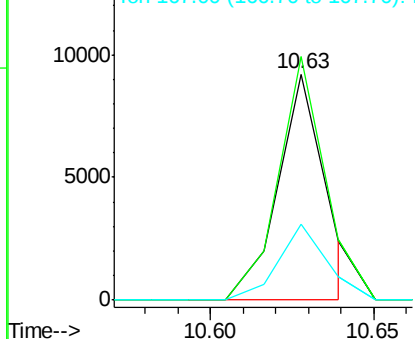
Tgt Ion	Ratio	Lower	Upper
166	100		
165	107.6	77.8	116.8
167	33.8	11.2	16.8#

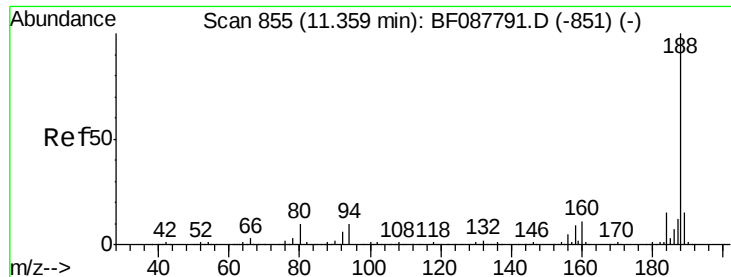


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

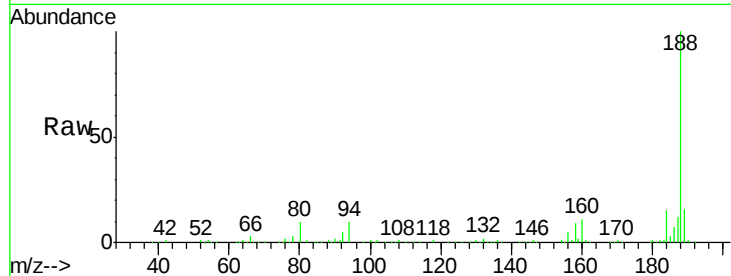




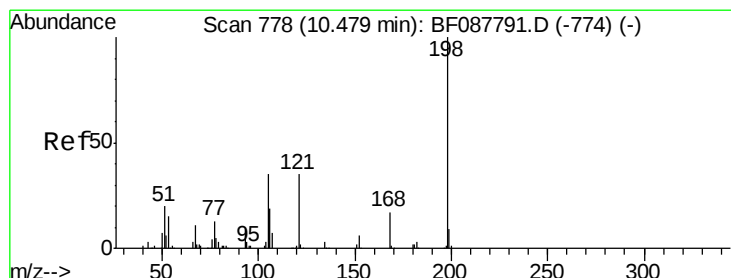
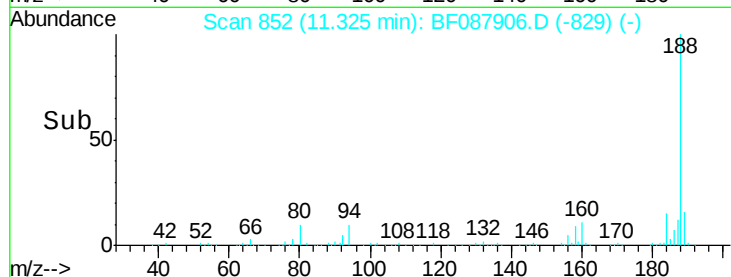
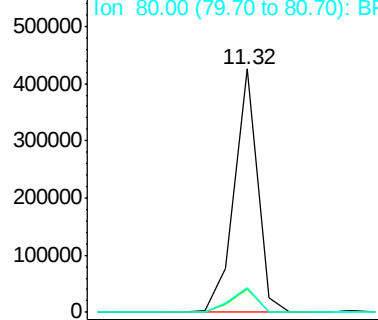
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 852
Delta R.T. -0.03 min
Lab File: BF087906.D
Acq: 11 Jun 2016 17:07

Instrument :
BNA_F
ClientSampleId :
PB91119BL

Tot Ion:188 Resp: 363784
Ion Ratio Lower Upper
188 100
94 9.8 9.0 13.6
80 10.0 10.0 15.0

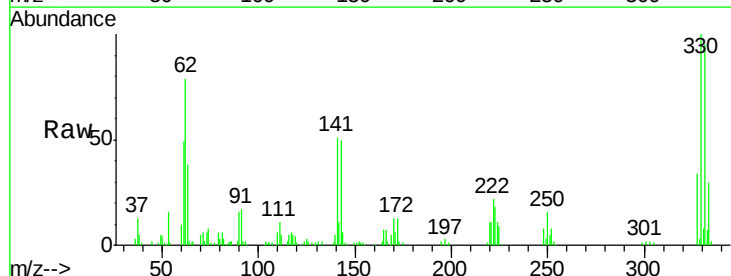


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

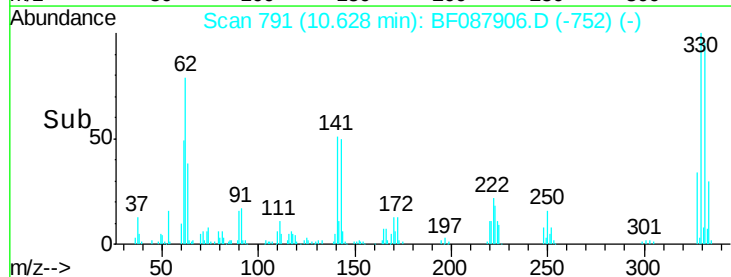
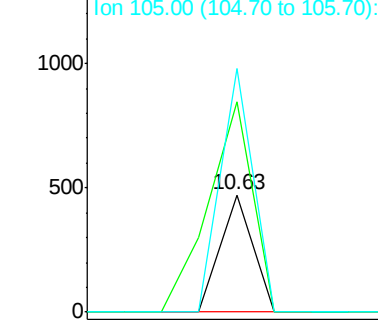


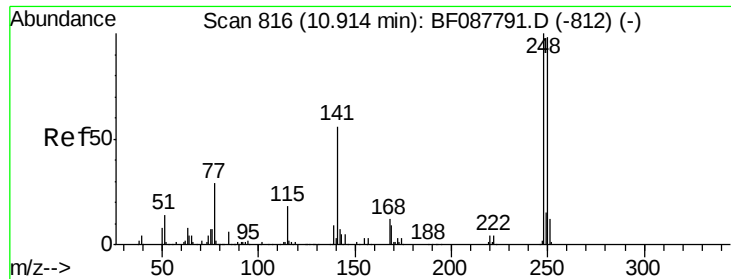
#64
4,6-Dinitro-2-methylphenol
Concen: 2.30 ng
RT: 10.63 min Scan# 791
Delta R.T. 0.15 min
Lab File: BF087906.D
Acq: 11 Jun 2016 17:07

Tgt Ion:198 Resp: 323
Ion Ratio Lower Upper
198 100
51 180.0 39.6 79.6#
105 207.9 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: 3.37 ng

RT: 10.63 min Scan# 791

Delta R.T. -0.29 min

Lab File: BF087906.D

Acq: 11 Jun 2016 17:07

Instrument :

BNA_F

ClientSampleId :

PB91119BL

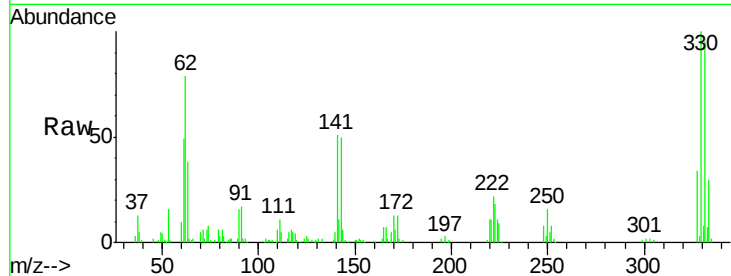
Tot Ion:248 Resp: 13144

Ion Ratio Lower Upper

248 100

250 195.8 77.1 115.7#

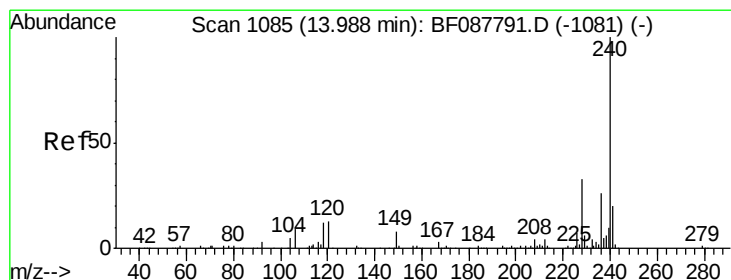
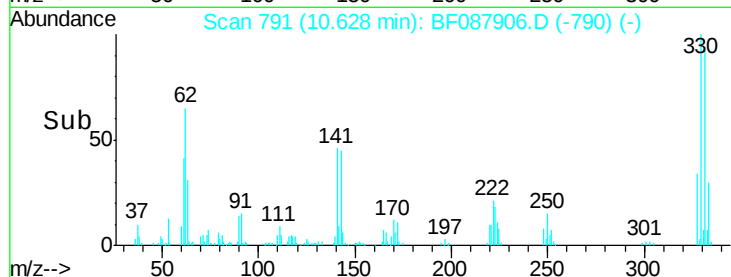
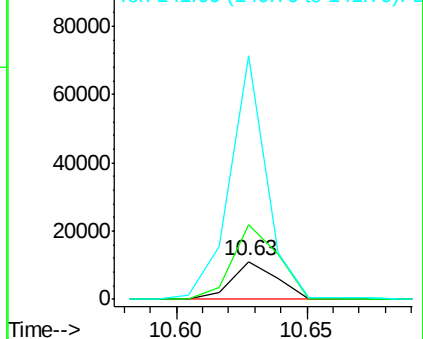
141 638.8 50.6 76.0#



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: 13.95 min Scan# 1082

Delta R.T. -0.03 min

Lab File: BF087906.D

Acq: 11 Jun 2016 17:07

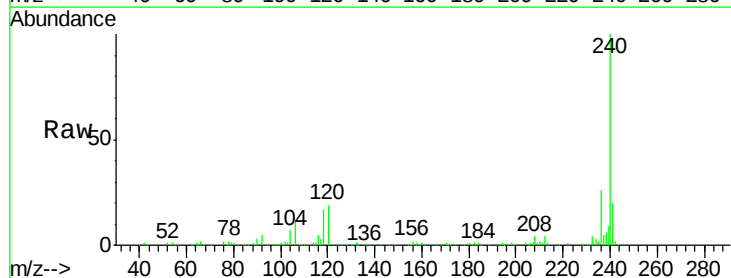
Tgt Ion:240 Resp: 359928

Ion Ratio Lower Upper

240 100

120 18.7 6.8 10.2#

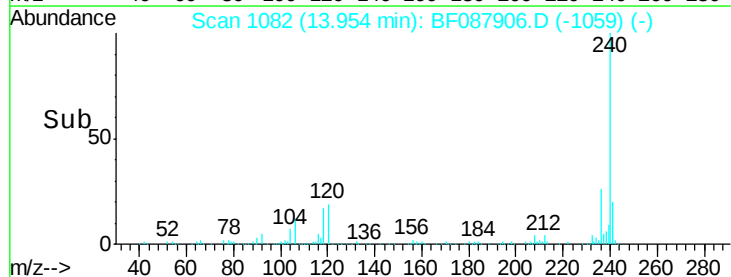
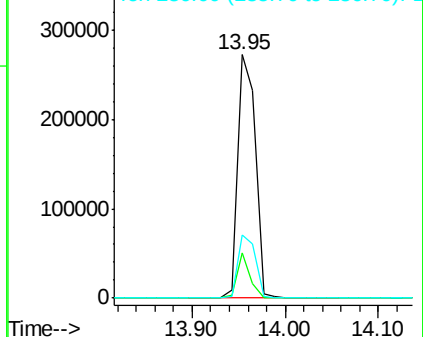
236 25.8 20.2 30.2

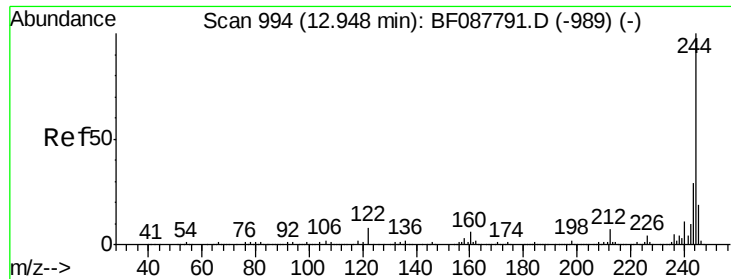


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

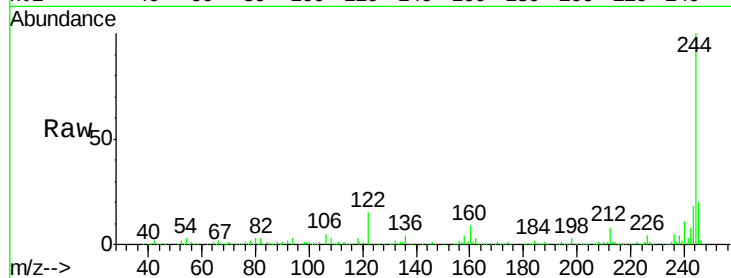




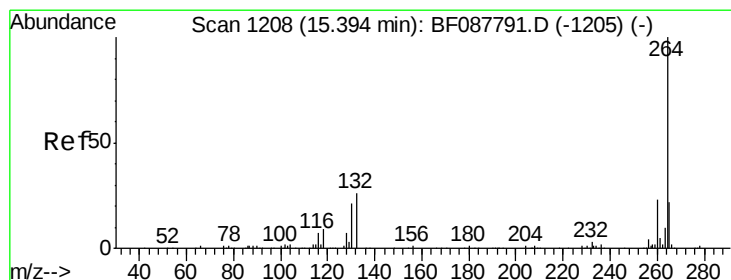
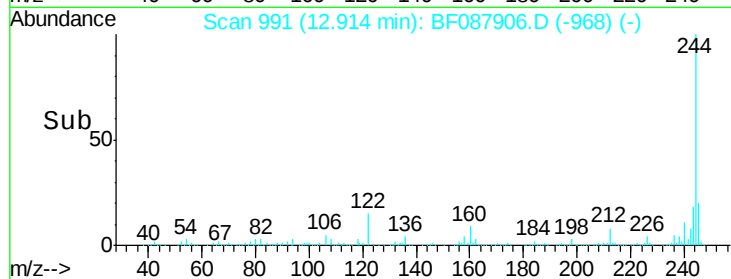
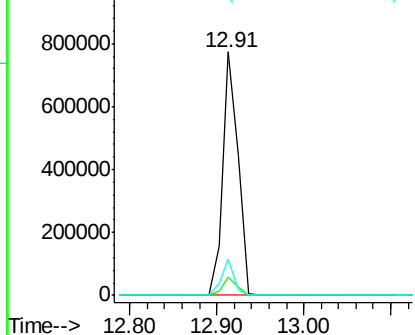
#78
 Terphenyl-d14
 Concen: 60.13 ng
 RT: 12.91 min Scan# 991
 Delta R.T. -0.03 min
 Lab File: BF087906.D
 Acq: 11 Jun 2016 17:07

Instrument :
 BNA_F
 ClientSampleID :
 PB91119BL

Tot Ion:244 Resp: 951014
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.0 9.0
 122 15.1 11.2 16.8

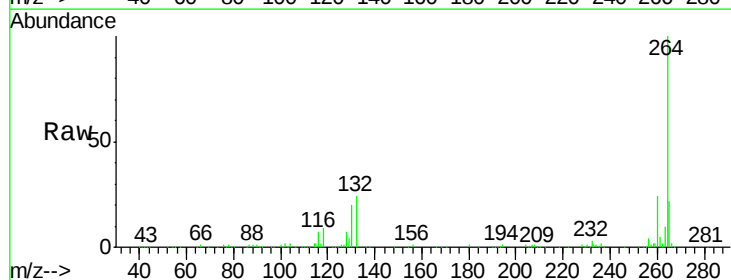


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.37 min Scan# 1206
 Delta R.T. -0.02 min
 Lab File: BF087906.D
 Acq: 11 Jun 2016 17:07

Tgt Ion:264 Resp: 303468
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.2 28.8
 265 22.1 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

