

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061116\
 Data File : BF087925.D
 Acq On : 12 Jun 2016 3:24
 Operator : UM/SJ
 Sample : PB91213BL
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB91213BL

Quant Time: Jun 12 06:00:49 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

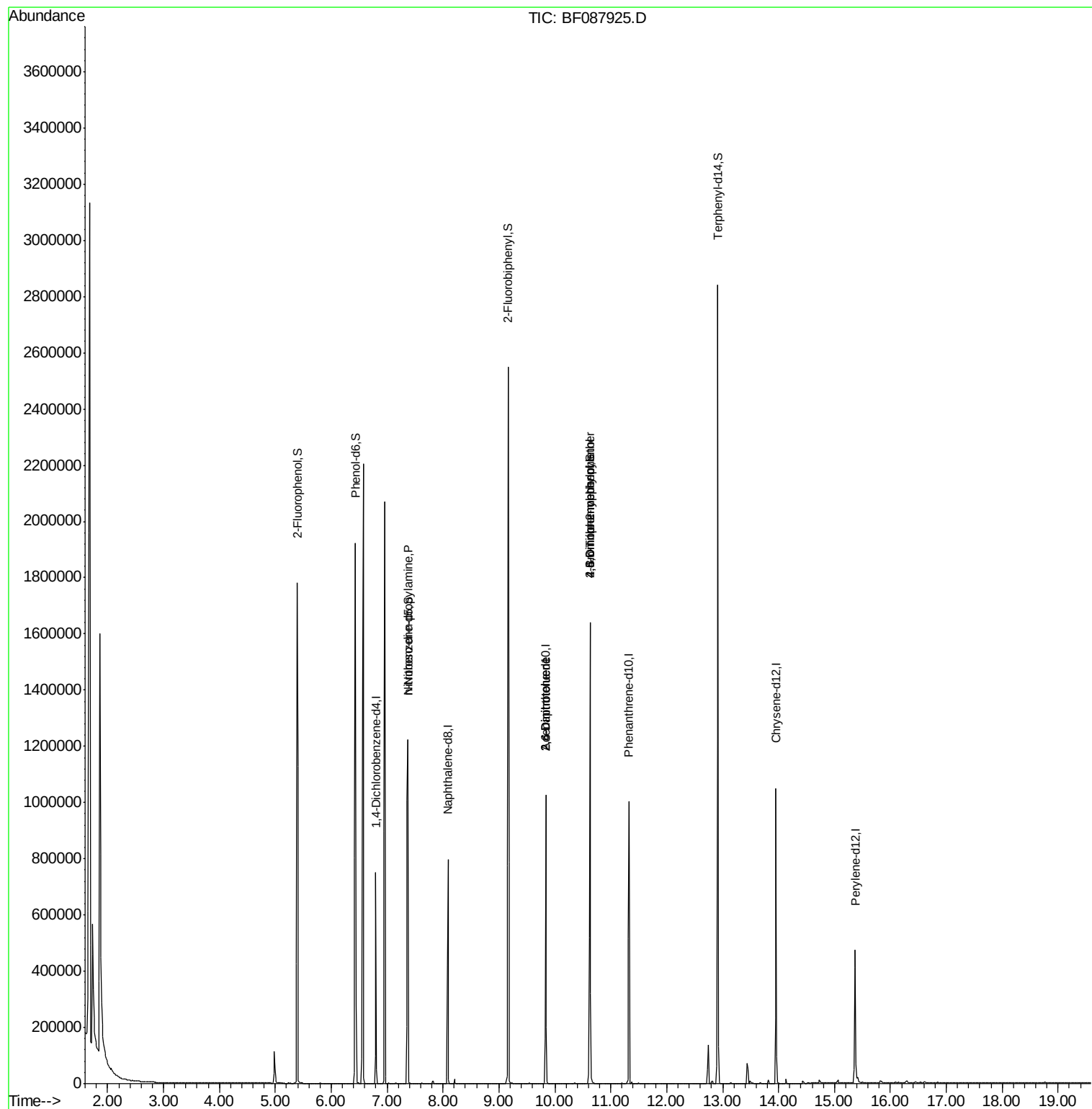
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	108916	20.00	ng	-0.05
21) Naphthalene-d8	8.09	136	449339	20.00	ng	-0.03
38) Acenaphthene-d10	9.84	164	208256	20.00	ng	-0.05
63) Phenanthrene-d10	11.32	188	433340	20.00	ng	-0.03
75) Chrysene-d12	13.95	240	345868	20.00	ng	-0.03
86) Perylene-d12	15.37	264	263859	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	737530	115.76	ng	-0.03
7) Phenol-d6	6.43	99	812431	105.22	ng	-0.05
23) Nitrobenzene-d5	7.37	82	590563	76.75	ng	-0.05
41) 2,4,6-Tribromophenol	10.63	330	214422	97.51	ng	-0.05
44) 2-Fluorobiphenyl	9.16	172	1001272	74.87	ng	-0.05
78) Terphenyl-d14	12.91	244	940463	61.88	ng	-0.03
Target Compounds						
10) Phenol	6.57	94	1459	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.37	70	75086	15.20	ng	# 67
45) 1,1'-Biphenyl	9.16	154	1878	Below Cal	#	1
50) 2,6-Dinitrotoluene	9.84	165	26419	7.65	ng	# 39
56) 2,4-Dinitrotoluene	9.84	165	26420	5.95	ng	# 37
57) Fluorene	10.63	166	11306	Below Cal	#	91
64) 4,6-Dinitro-2-methylphenol	10.63	198	383	2.30	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	13778	2.96	ng	# 1

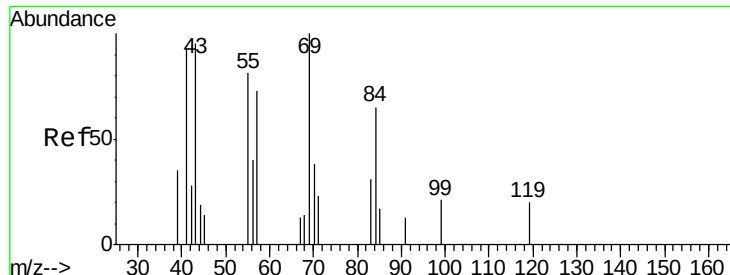
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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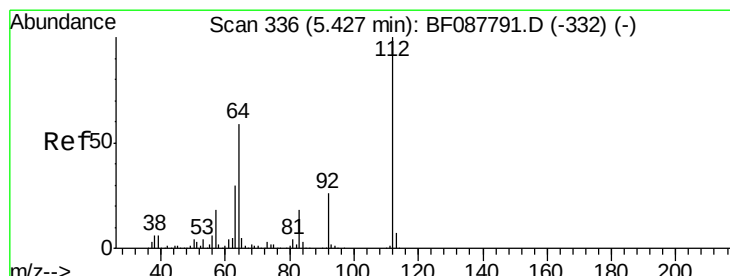
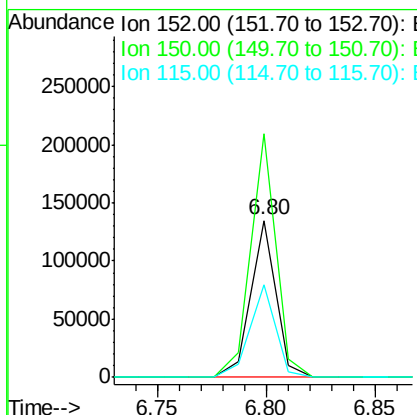
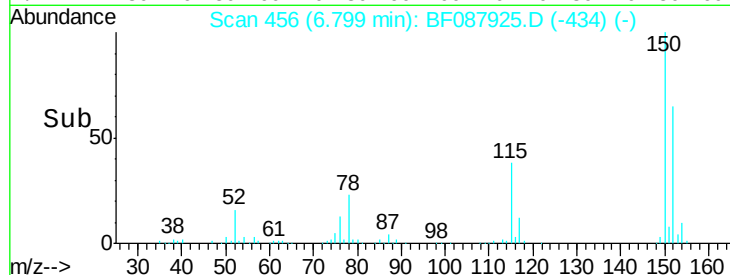
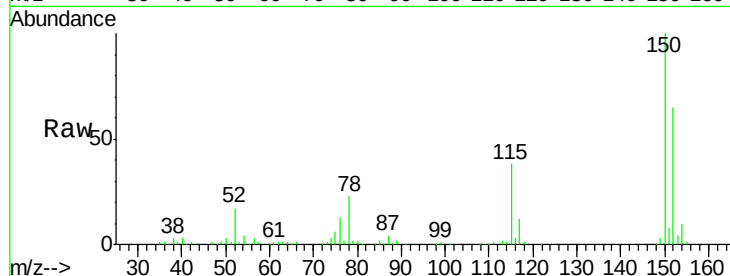




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.80 min Scan# 456
 Delta R.T. -0.05 min
 Lab File: BF087925.D
 Acq: 12 Jun 2016 3:24

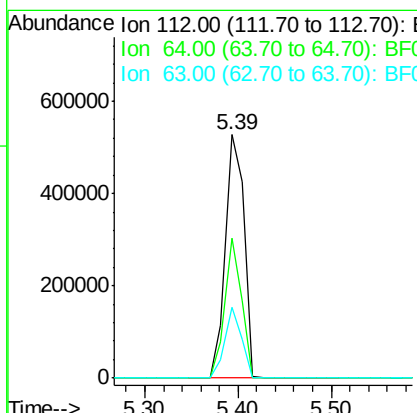
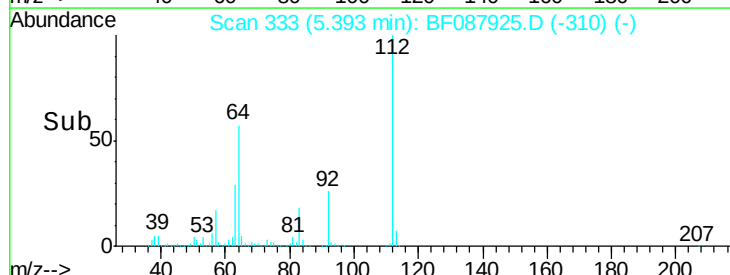
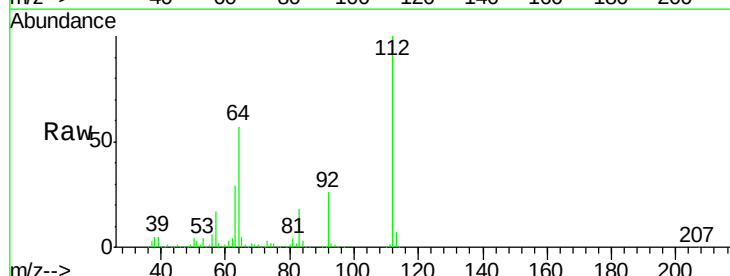
Instrument :
 BNA_F
 ClientSampled :
 PB91213BL

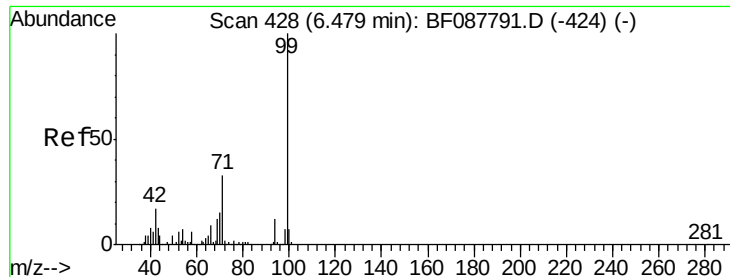
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	123.8	185.6
115	59.0	39.6	59.4



#5
 2-Fluorophenol
 Concen: 115.76 ng
 RT: 5.39 min Scan# 333
 Delta R.T. -0.03 min
 Lab File: BF087925.D
 Acq: 12 Jun 2016 3:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.5	42.2	63.2
63	29.3	21.8	32.8





#7

Phenol-d6

Concen: 105.22 ng

RT: 6.43 min Scan# 424

Delta R.T. -0.05 min

Lab File: BF087925.D

Acq: 12 Jun 2016 3:24

Instrument :

BNA_F

ClientSampleId :

PB91213BL

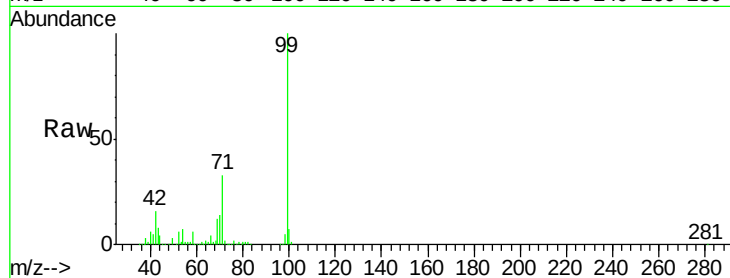
Tot Ion: 99 Resp: 812431

Ion Ratio Lower Upper

99 100

42 16.0 12.2 18.2

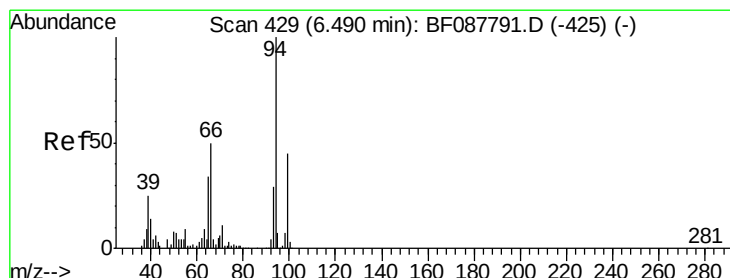
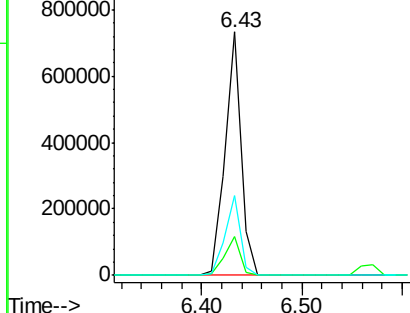
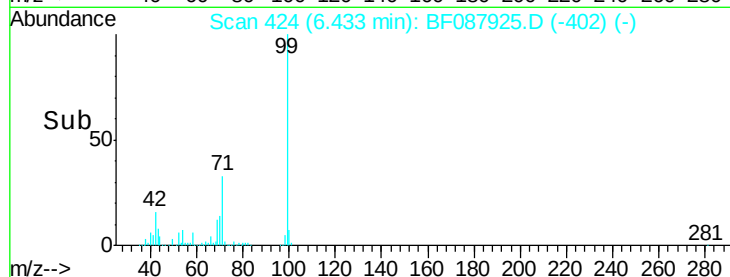
71 32.8 23.4 35.0



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: BF087925.D

Acq: 12 Jun 2016 3:24

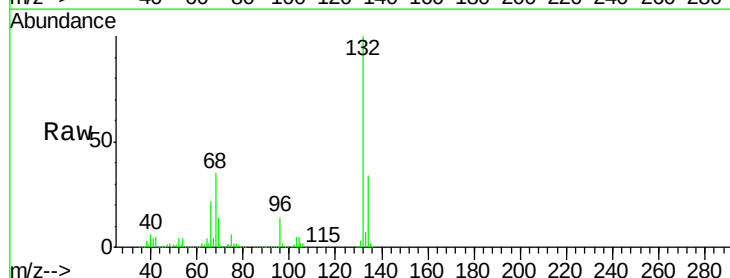
Tgt Ion: 94 Resp: 1459

Ion Ratio Lower Upper

94 100

65 995.0 5.9 45.9#

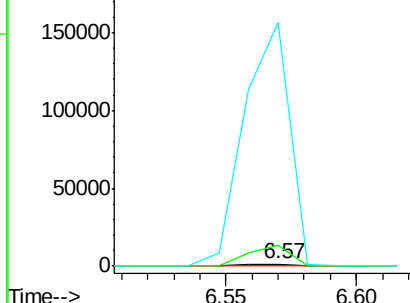
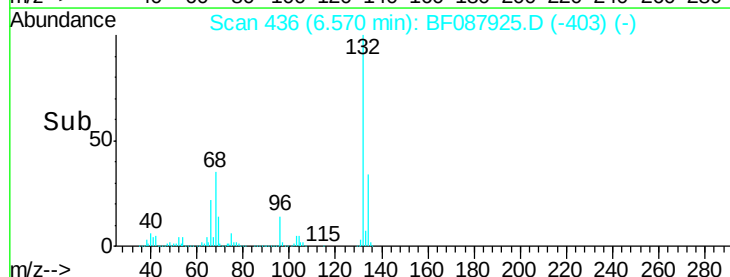
66 11677.6 14.0 54.0#

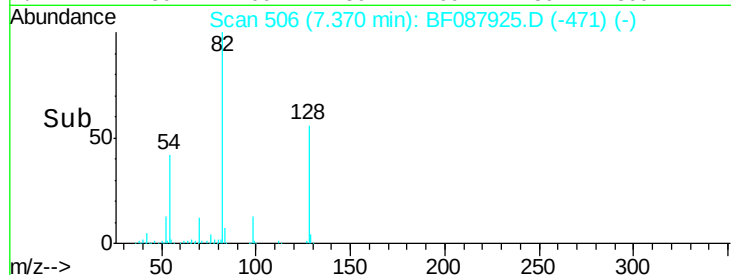
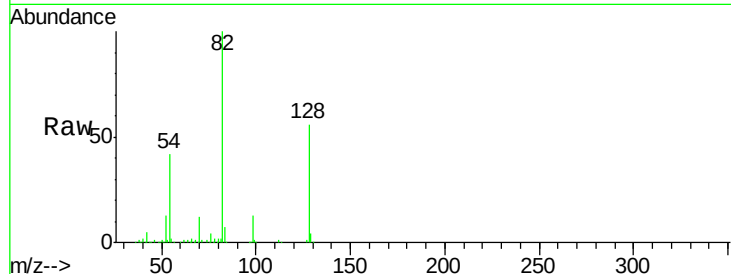
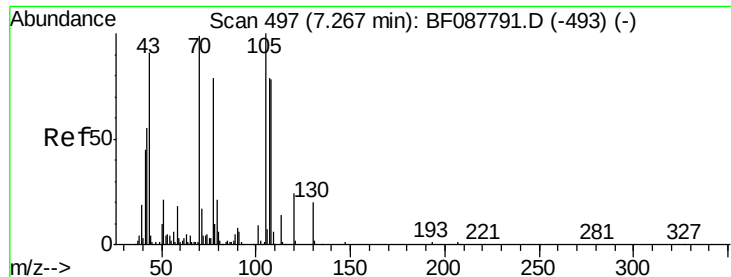


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

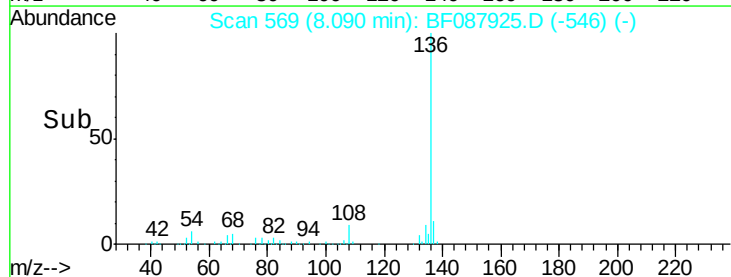
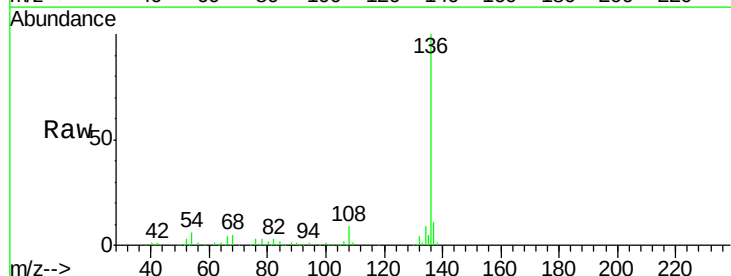
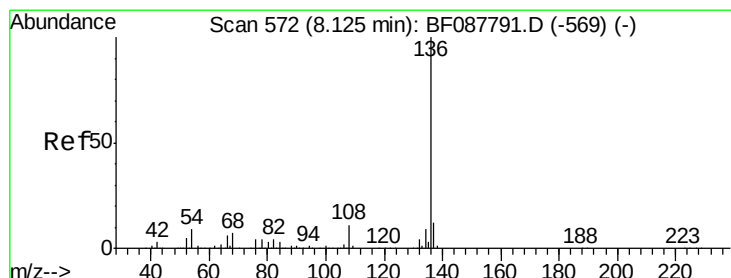
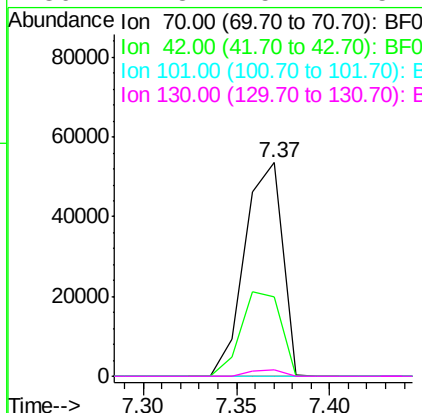




#19
n-Nitroso-di-n-propylamine
Concen: 15.20 ng
RT: 7.37 min Scan# 506
Delta R.T. 0.10 min
Lab File: BF087925.D
Acq: 12 Jun 2016 3:24

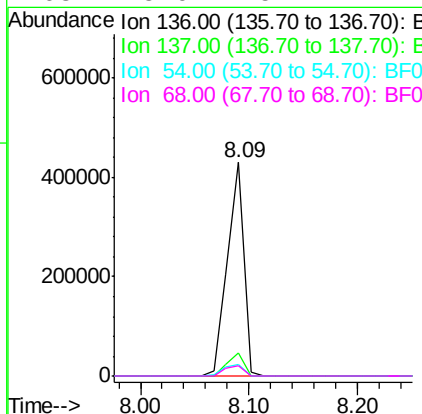
Instrument :
BNA_F
ClientSampleId :
PB91213BL

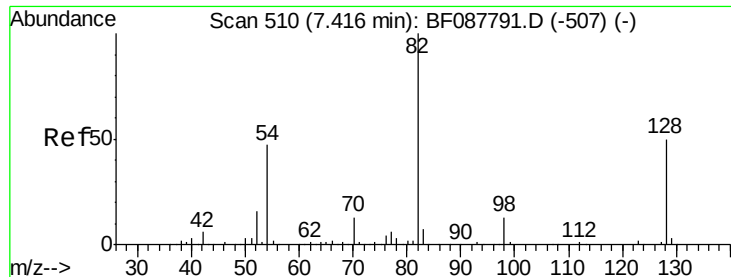
Tot Ion	Ratio	Lower	Upper
70	100		
42	37.0	49.6	74.4#
101	0.0	7.1	10.7#
130	2.8	15.4	23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 569
Delta R.T. -0.03 min
Lab File: BF087925.D
Acq: 12 Jun 2016 3:24

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.1	13.7
54	5.5	6.6	10.0#
68	5.0	5.1	7.7#

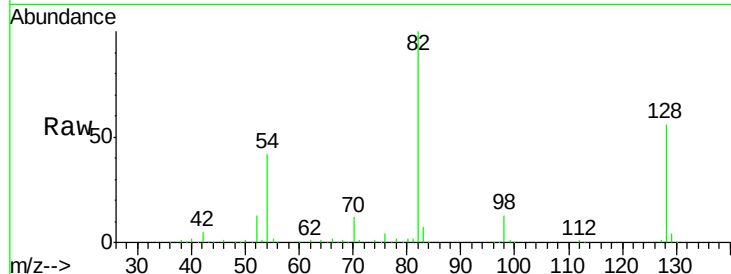




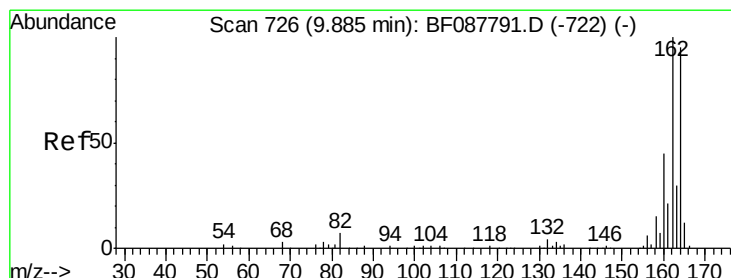
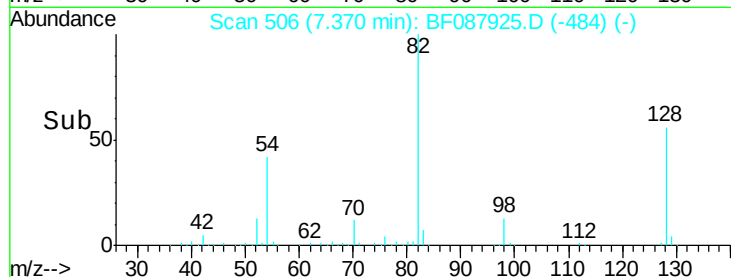
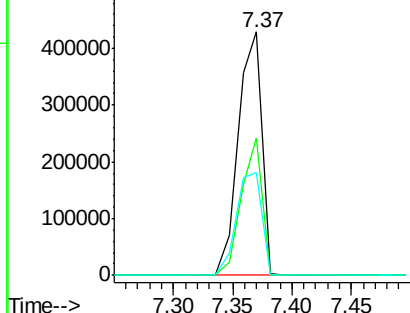
#23
 Nitrobenzene-d5
 Concen: 76.75 ng
 RT: 7.37 min Scan# 506
 Delta R.T. -0.05 min
 Lab File: BF087925.D
 Acq: 12 Jun 2016 3:24

Instrument :
 BNA_F
 ClientSampleID :
 PB91213BL

Tot Ion	82	Resp	590563
Ion Ratio	100	Lower	Upper
128	56.4	35.9	53.9
54	42.0	40.9	61.3

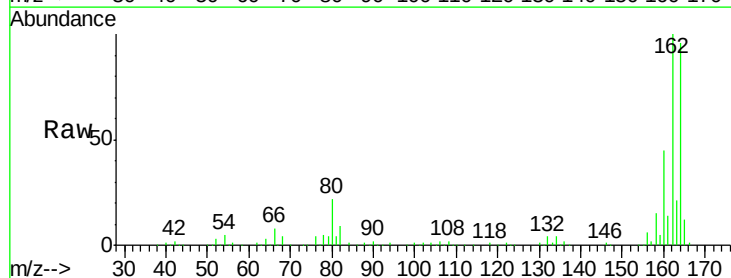


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

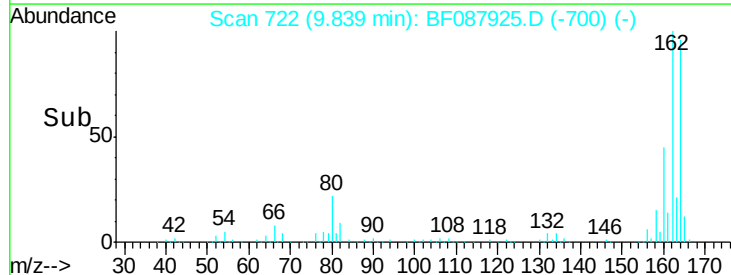
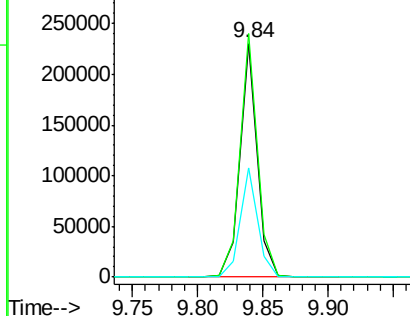


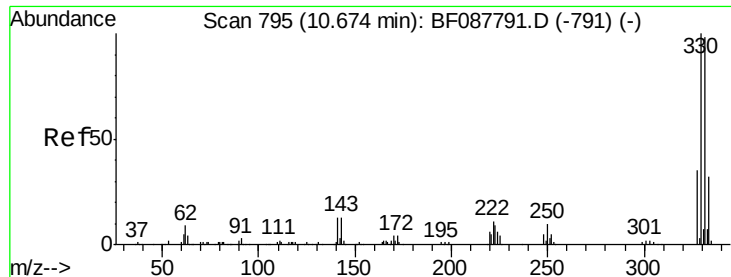
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.84 min Scan# 722
 Delta R.T. -0.05 min
 Lab File: BF087925.D
 Acq: 12 Jun 2016 3:24

Tgt Ion	164	Resp	208256
Ion Ratio	100	Lower	Upper
162	104.1	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

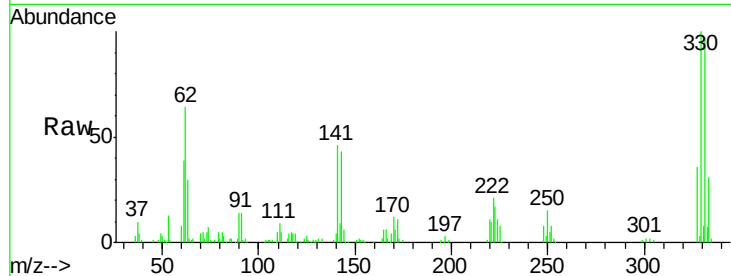




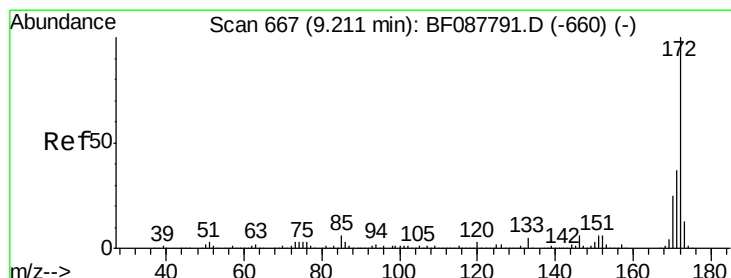
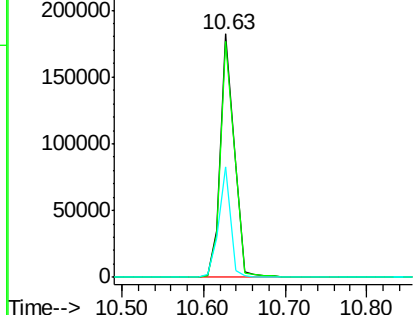
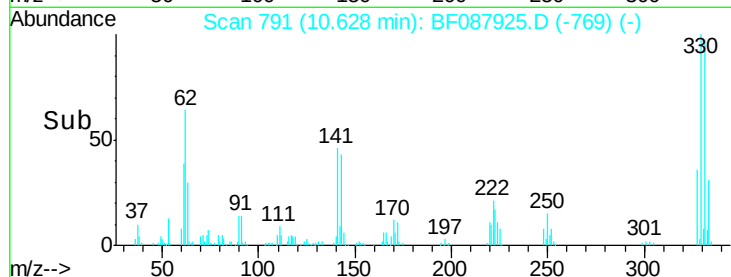
#41
 2,4,6-Tribromophenol
 Concen: 97.51 ng
 RT: 10.63 min Scan# 791
 Delta R.T. -0.05 min
 Lab File: BF087925.D
 Acq: 12 Jun 2016 3:24

Instrument :
 BNA_F
 ClientSampleID :
 PB91213BL

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	0.0	0.0#
141	39.1	0.0	0.0#

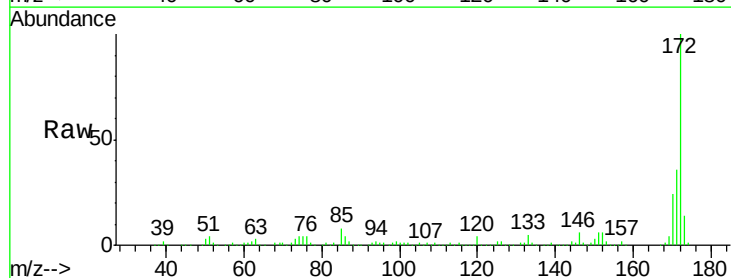


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

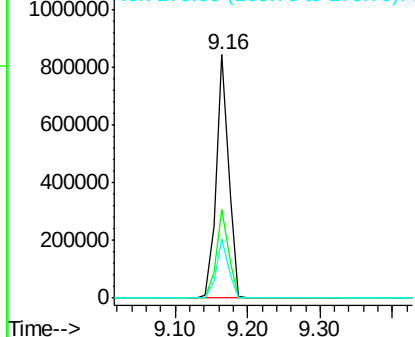
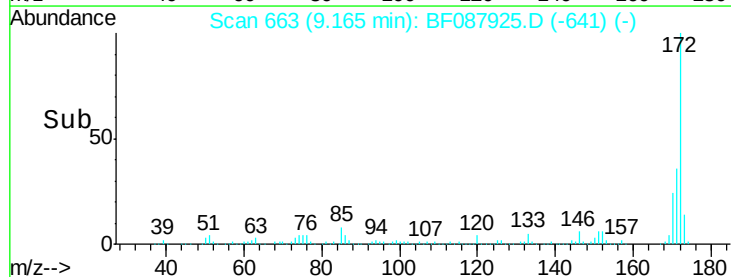


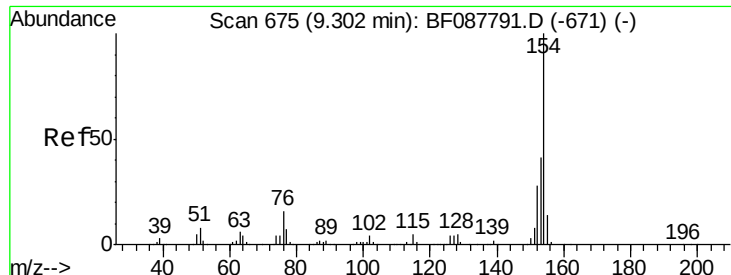
#44
 2-Fluorobiphenyl
 Concen: 74.87 ng
 RT: 9.16 min Scan# 663
 Delta R.T. -0.05 min
 Lab File: BF087925.D
 Acq: 12 Jun 2016 3:24

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	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: 9.16 min Scan# 663

Delta R.T. -0.14 min

Lab File: BF087925.D

Acq: 12 Jun 2016 3:24

Instrument :

BNA_F

ClientSampleId :

PB91213BL

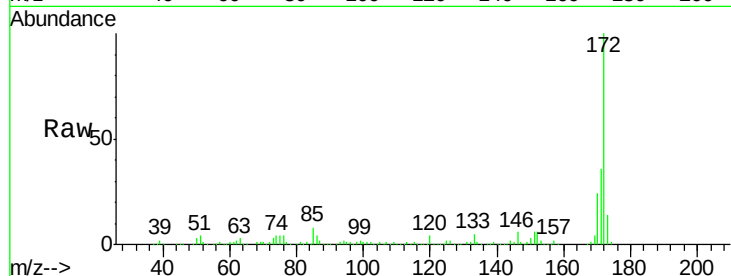
Tot Ion:154 Resp: 1878

Ion Ratio Lower Upper

154 100

153 945.8 20.6 60.6#

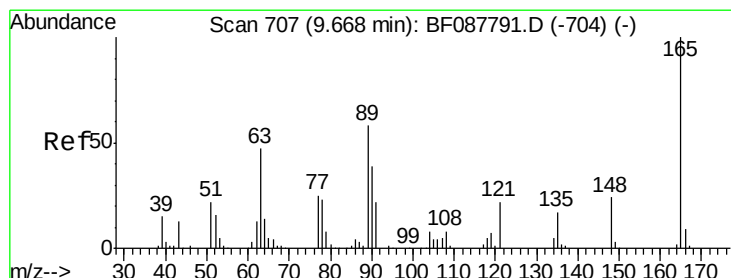
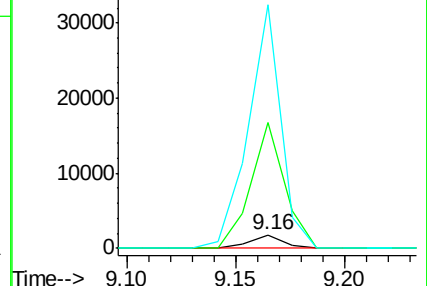
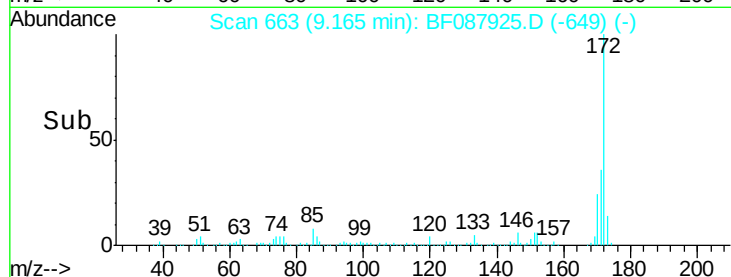
76 1829.3 0.0 35.1#



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: 7.65 ng

RT: 9.84 min Scan# 722

Delta R.T. 0.17 min

Lab File: BF087925.D

Acq: 12 Jun 2016 3:24

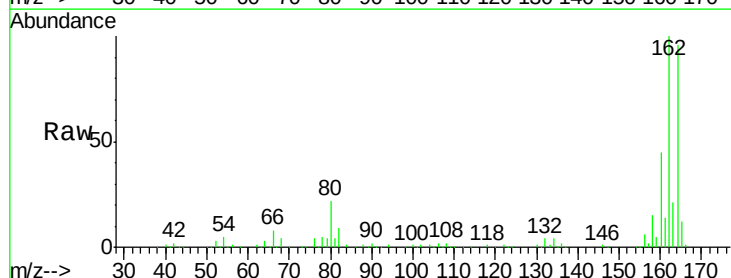
Tgt Ion:165 Resp: 26419

Ion Ratio Lower Upper

165 100

63 1.2 28.1 42.1#

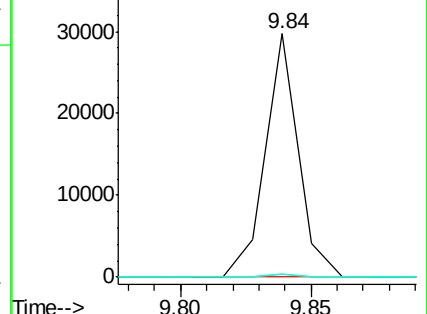
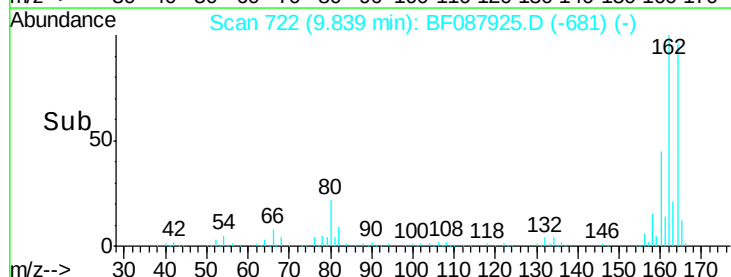
89 1.2 32.2 48.2#

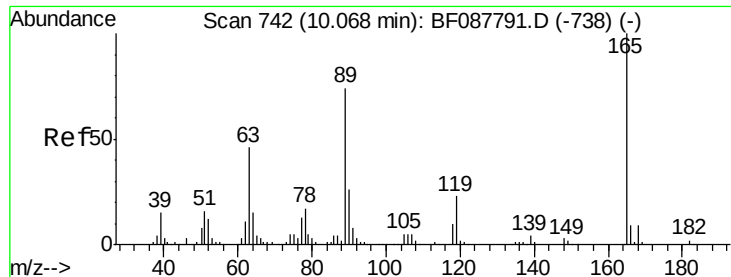


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

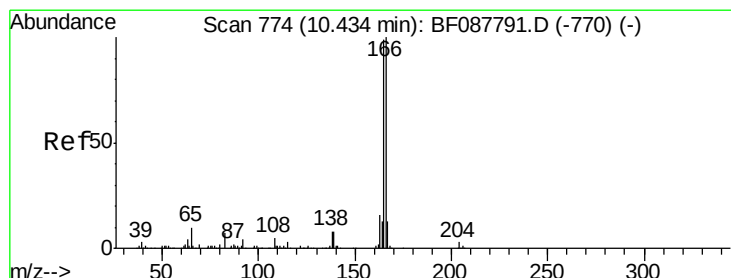
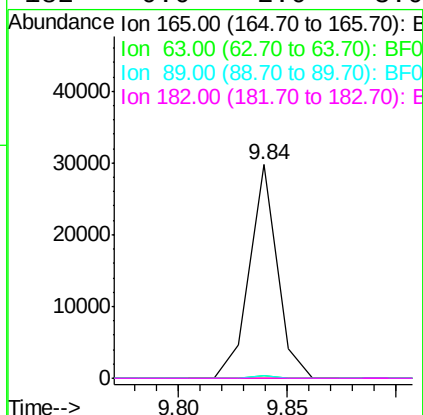
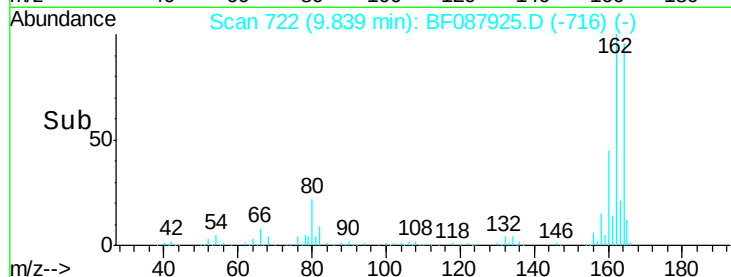
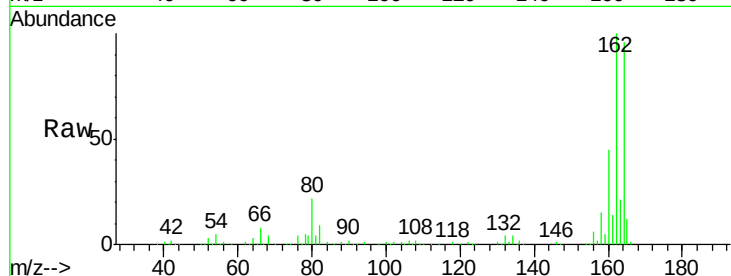




#56
2,4-Dinitrotoluene
Concen: 5.95 ng
RT: 9.84 min Scan# 722
Delta R.T. -0.23 min
Lab File: BF087925.D
Acq: 12 Jun 2016 3:24

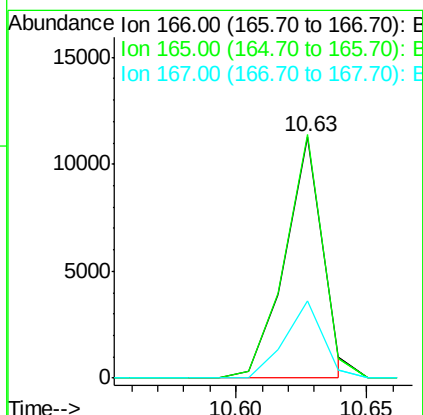
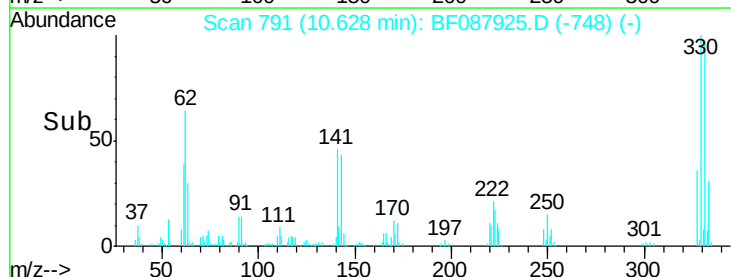
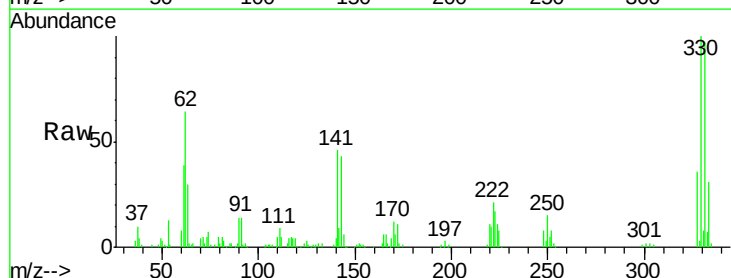
Instrument :
BNA_F
ClientSampleId :
PB91213BL

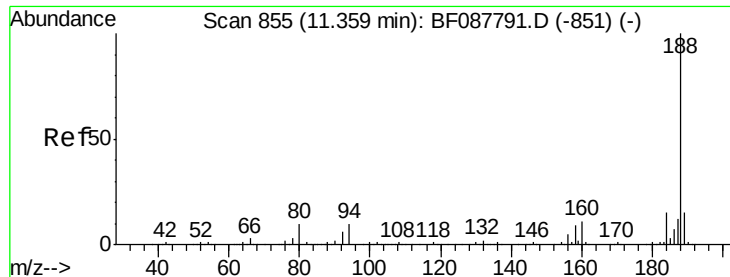
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	22.0	33.0#
89	1.2	41.1	61.7#
182	0.0	2.0	3.0#



#57
Fluorene
Concen: Below Cal
RT: 10.63 min Scan# 791
Delta R.T. 0.19 min
Lab File: BF087925.D
Acq: 12 Jun 2016 3:24

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.8	77.8	116.8
167	31.8	11.2	16.8#

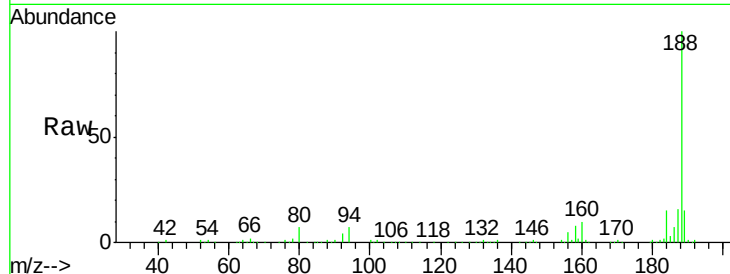




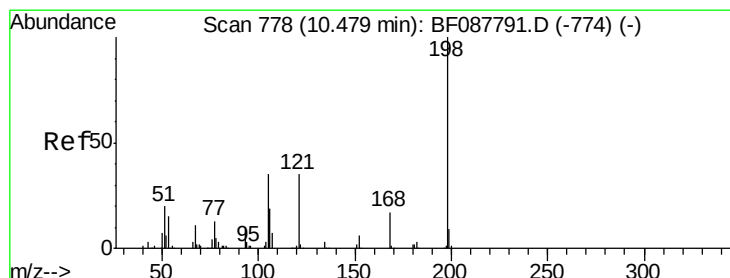
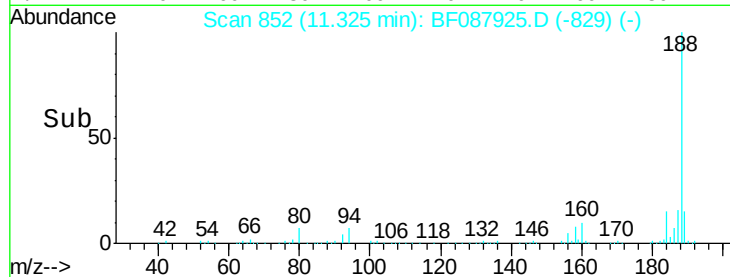
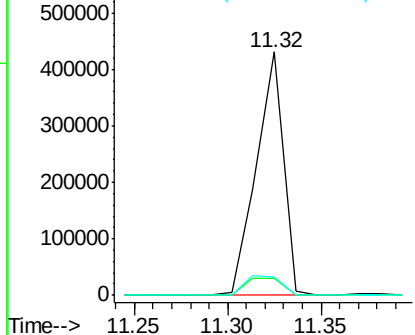
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 852
Delta R.T. -0.03 min
Lab File: BF087925.D
Acq: 12 Jun 2016 3:24

Instrument :
BNA_F
ClientSampleId :
PB91213BL

Tot Ion:188 Resp: 433340
Ion Ratio Lower Upper
188 100
94 7.2 9.0 13.6#
80 7.3 10.0 15.0#

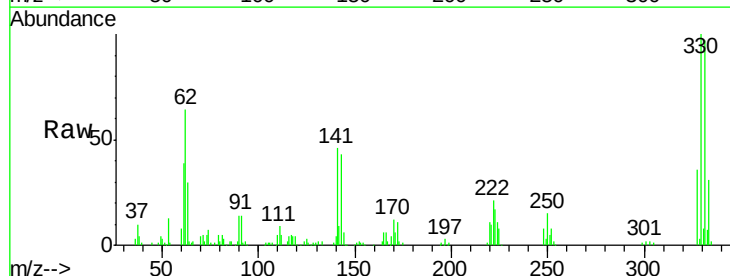


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

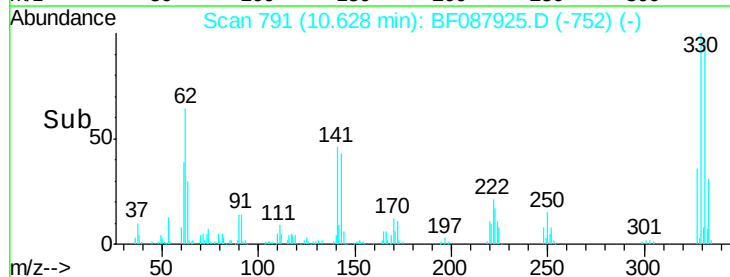
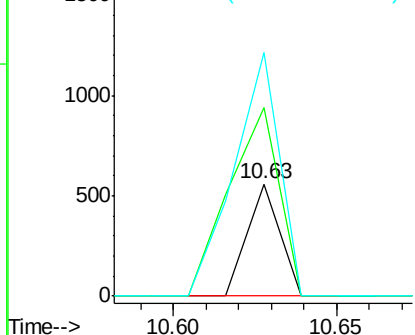


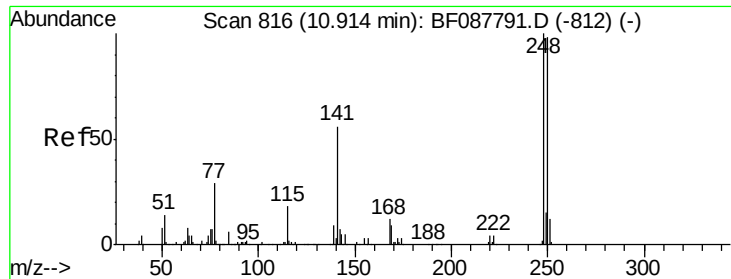
#64
4,6-Dinitro-2-methylphenol
Concen: 2.30 ng
RT: 10.63 min Scan# 791
Delta R.T. 0.15 min
Lab File: BF087925.D
Acq: 12 Jun 2016 3:24

Tgt Ion:198 Resp: 383
Ion Ratio Lower Upper
198 100
51 168.6 39.6 79.6#
105 217.7 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

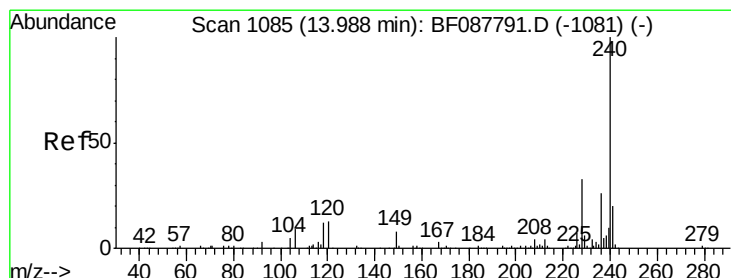
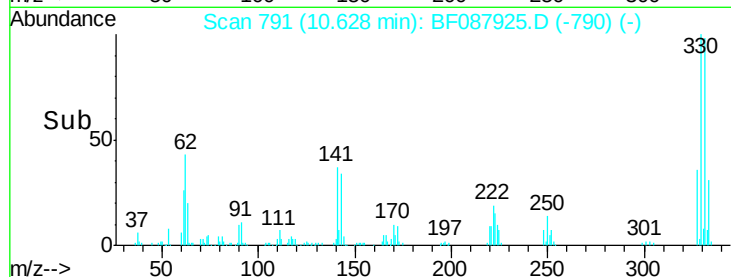
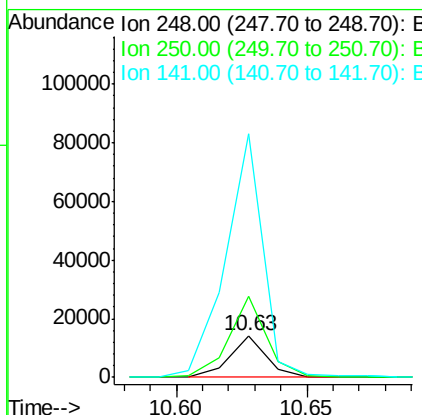
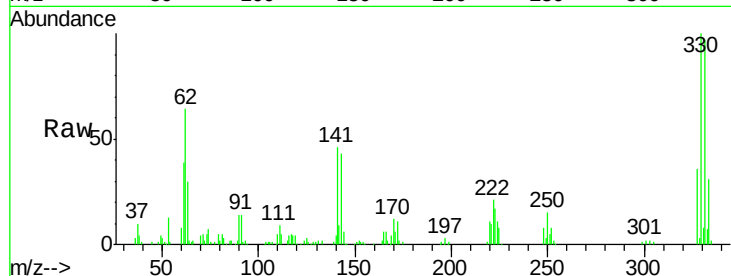




#66
4-Bromophenyl-phenylether
Concen: 2.96 ng
RT: 10.63 min Scan# 791
Delta R.T. -0.29 min
Lab File: BF087925.D
Acq: 12 Jun 2016 3:24

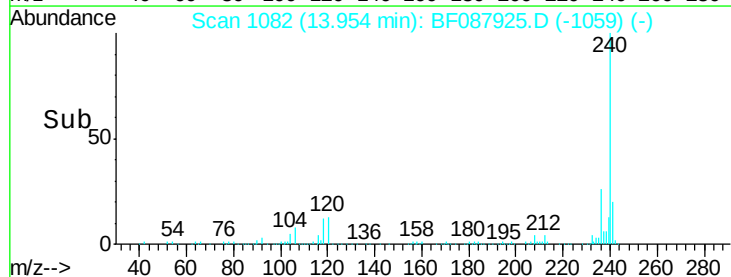
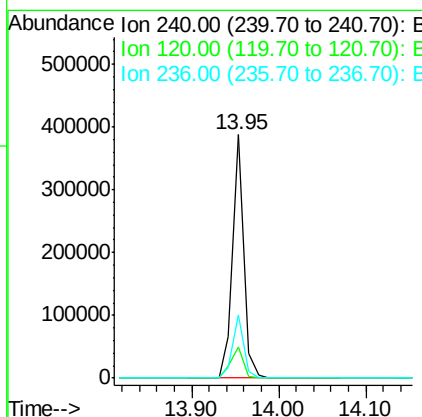
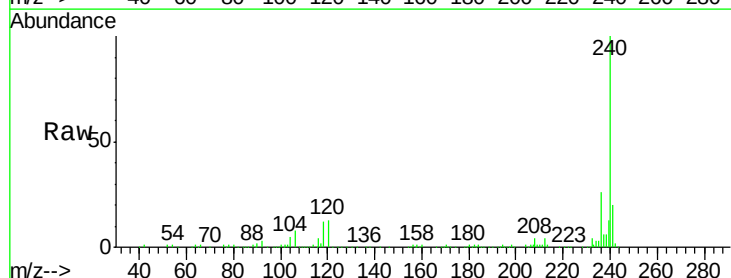
Instrument :
BNA_F
ClientSampleId :
PB91213BL

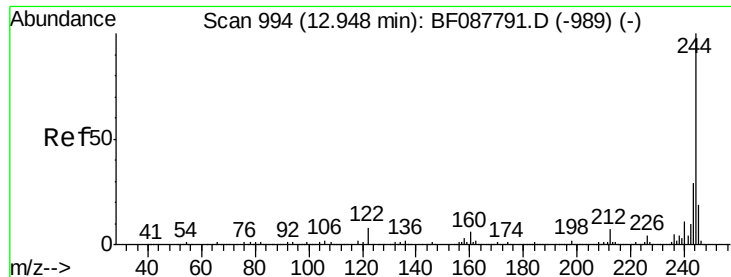
Tot Ion:248 Resp: 13778
Ion Ratio Lower Upper
248 100
250 195.4 77.1 115.7#
141 588.8 50.6 76.0#



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.95 min Scan# 1082
Delta R.T. -0.03 min
Lab File: BF087925.D
Acq: 12 Jun 2016 3:24

Tgt Ion:240 Resp: 345868
Ion Ratio Lower Upper
240 100
120 12.8 6.8 10.2#
236 25.9 20.2 30.2

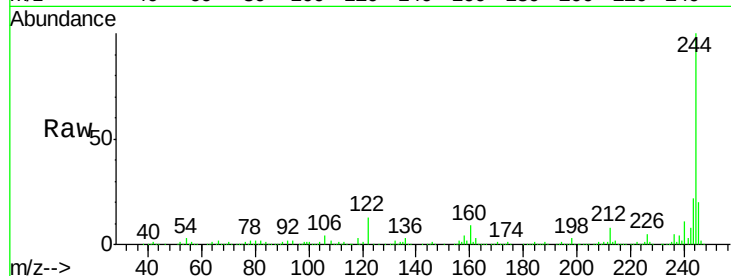




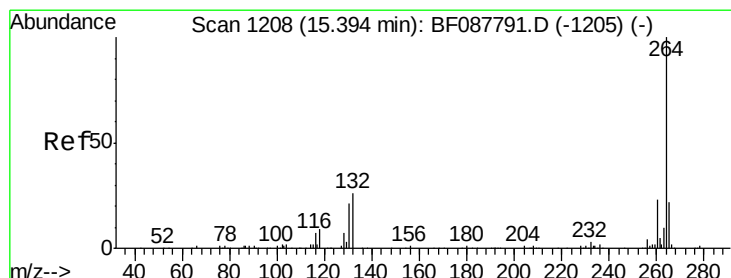
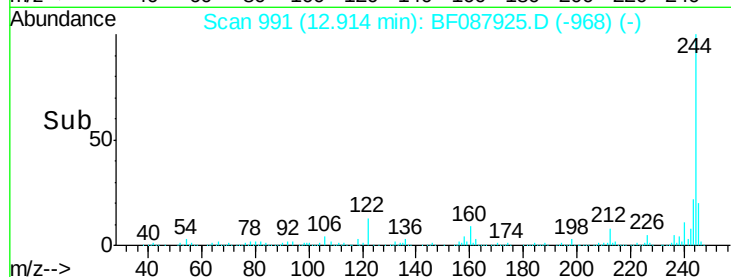
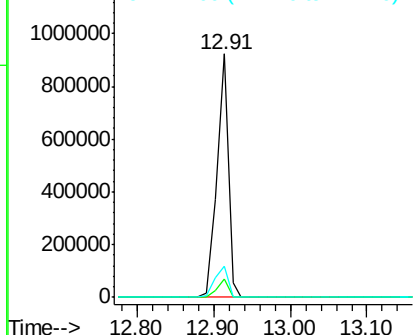
#78
 Terphenyl-d14
 Concen: 61.88 ng
 RT: 12.91 min Scan# 991
 Delta R.T. -0.03 min
 Lab File: BF087925.D
 Acq: 12 Jun 2016 3:24

Instrument :
 BNA_F
 ClientSampleId :
 PB91213BL

Tot Ion:244 Resp: 940463
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.0 9.0
 122 12.8 11.2 16.8

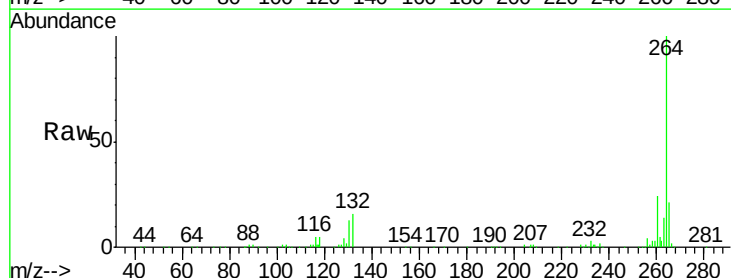


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.37 min Scan# 1206
 Delta R.T. -0.02 min
 Lab File: BF087925.D
 Acq: 12 Jun 2016 3:24

Tgt Ion:264 Resp: 263859
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.2 28.8
 265 20.9 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

