

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061116\
 Data File : BF087939.D
 Acq On : 12 Jun 2016 10:14
 Operator : UM/SJ
 Sample : H3425-02
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP16-JMW0801B

Quant Time: Jun 13 01:14:52 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 13 01:05:20 2016
 Response via : Initial Calibration

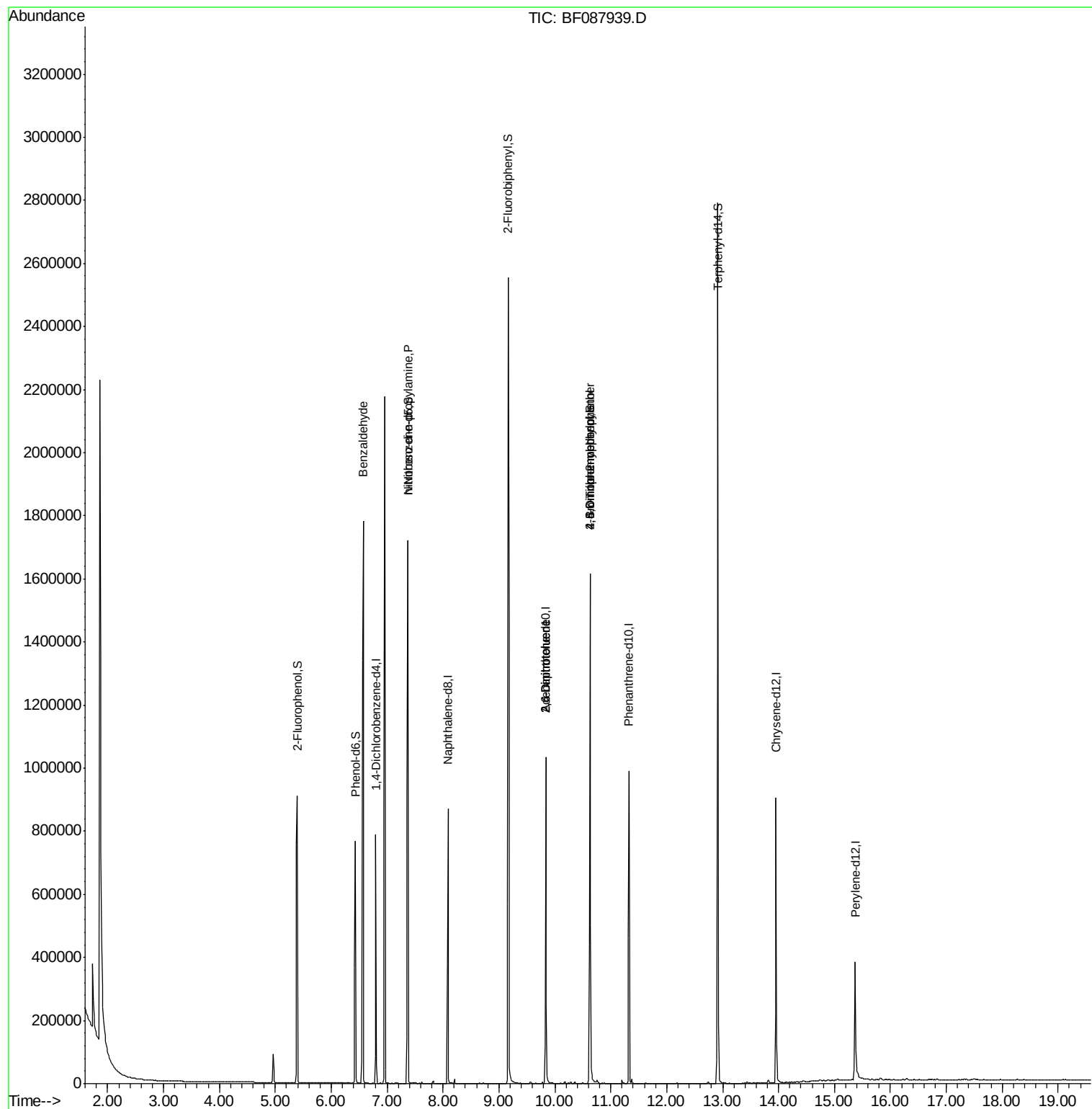
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	112012	20.00	ng	-0.05
21) Naphthalene-d8	8.09	136	458940	20.00	ng	-0.03
38) Acenaphthene-d10	9.84	164	216761	20.00	ng	-0.05
63) Phenanthrene-d10	11.32	188	416268	20.00	ng	-0.03
75) Chrysene-d12	13.95	240	324562	20.00	ng	-0.03
86) Perylene-d12	15.37	264	245561	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	373320	56.98	ng	-0.03
7) Phenol-d6	6.43	99	315598	39.74	ng	-0.05
23) Nitrobenzene-d5	7.37	82	671570	85.45	ng	-0.05
41) 2,4,6-Tribromophenol	10.63	330	241652	105.58	ng	-0.05
44) 2-Fluorobiphenyl	9.16	172	1170165	84.79	ng	-0.05
78) Terphenyl-d14	12.91	244	997701	69.95	ng	-0.03
Target Compounds						Qvalue
9) Benzaldehyde	6.57	77	14056	2.57	ng	# 79
10) Phenol	6.44	94	1717	Below	Cal	97
19) n-Nitroso-di-n-propylamine	7.37	70	88264	17.38	ng	# 71
45) 1,1'-Biphenyl	9.16	154	2276	Below	Cal	# 1
50) 2,6-Dinitrotoluene	9.84	165	27935	7.77	ng	# 38
56) 2,4-Dinitrotoluene	9.84	165	27931	6.04	ng	# 37
57) Fluorene	10.63	166	10911	Below	Cal	# 90
64) 4,6-Dinitro-2-methylphenol	10.63	198	339	2.29	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	14454	3.24	ng	# 1

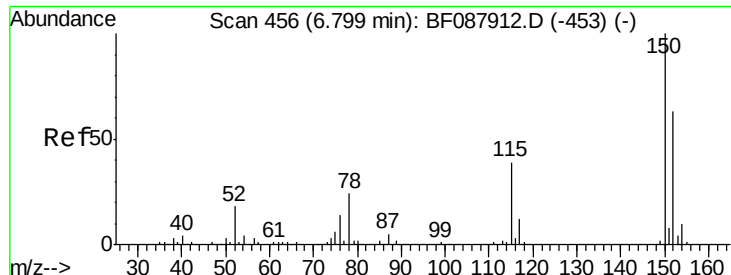
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF087939.D

Acq: 12 Jun 2016 10:14

Instrument :

BNA_F

ClientSampleId :

SP16-JMW0801B

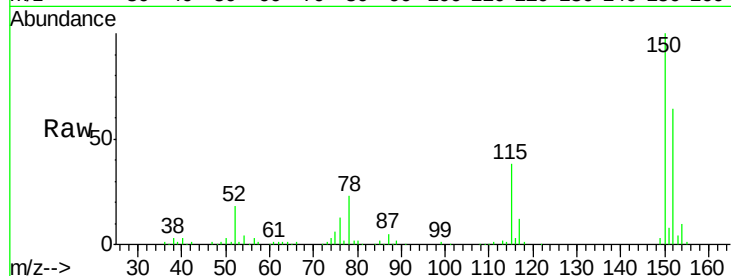
Tgt Ion:152 Resp: 112012

Ion Ratio Lower Upper

152 100

150 156.2 123.8 185.6

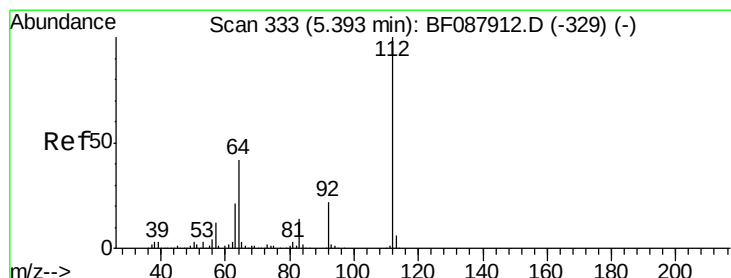
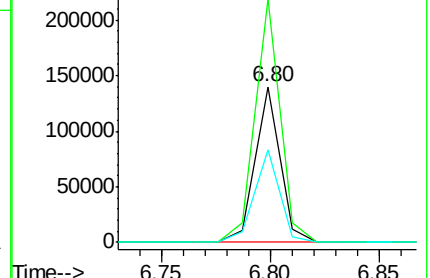
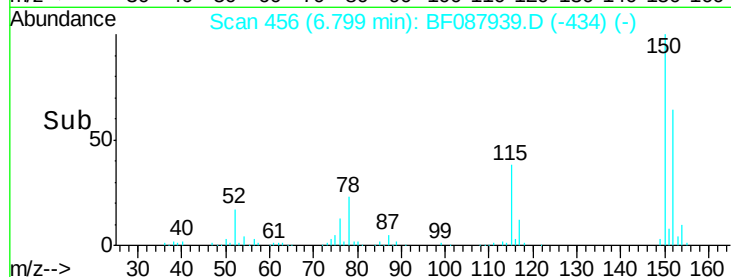
115 59.6 39.6 59.4#



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: 56.98 ng

RT: 5.39 min Scan# 333

Delta R.T. -0.03 min

Lab File: BF087939.D

Acq: 12 Jun 2016 10:14

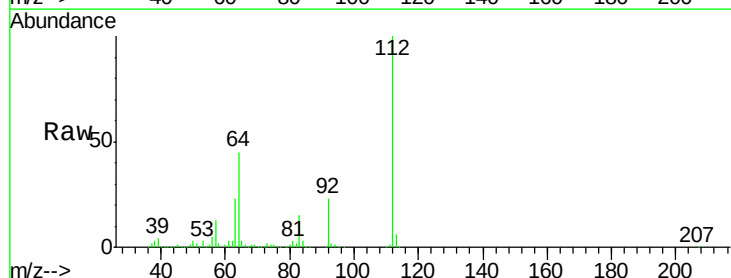
Tgt Ion:112 Resp: 373320

Ion Ratio Lower Upper

112 100

64 44.5 42.2 63.2

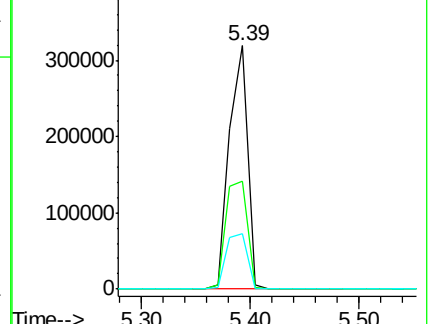
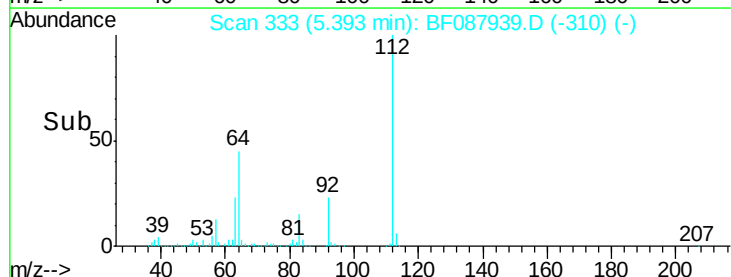
63 22.6 21.8 32.8

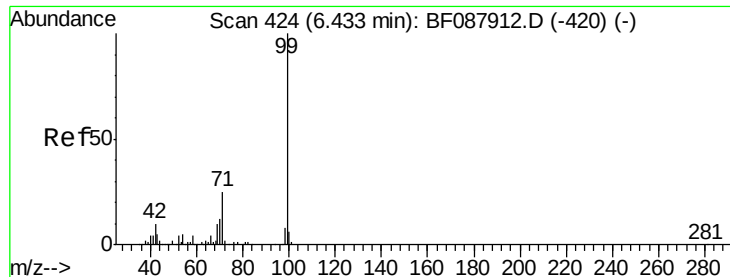


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 39.74 ng

RT: 6.43 min Scan# 424

Delta R.T. -0.05 min

Lab File: BF087939.D

Acq: 12 Jun 2016 10:14

Instrument :

BNA_F

ClientSampleId :

SP16-JMW0801B

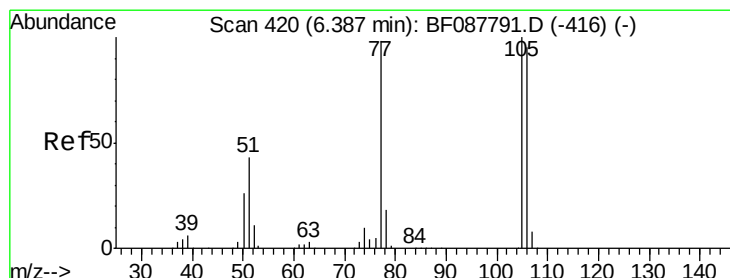
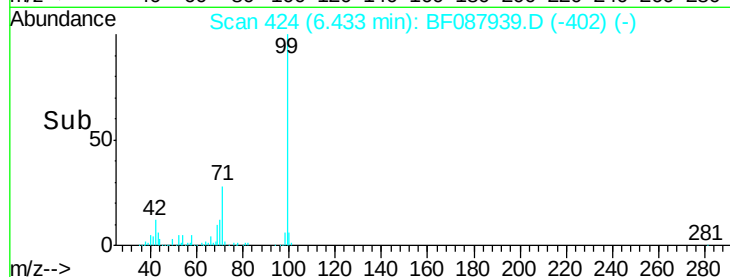
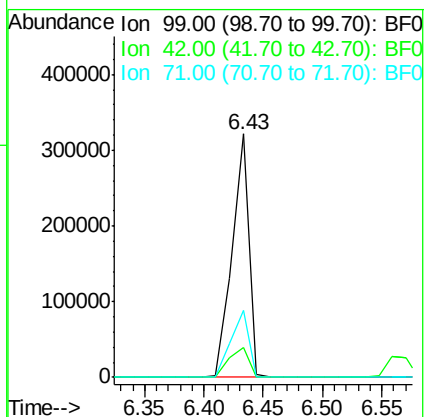
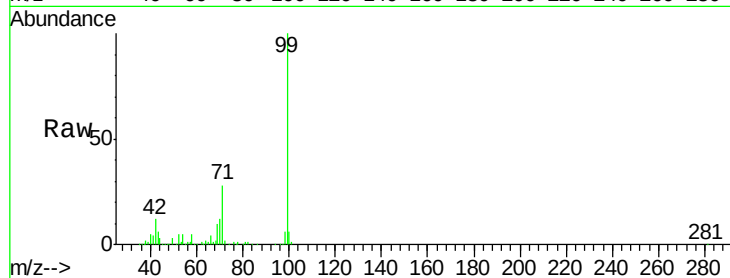
Tgt Ion: 99 Resp: 315598

Ion Ratio Lower Upper

99 100

42 12.5 12.2 18.2

71 27.6 23.4 35.0



#9

Benzaldehyde

Concen: 2.57 ng

RT: 6.57 min Scan# 436

Delta R.T. 0.18 min

Lab File: BF087939.D

Acq: 12 Jun 2016 10:14

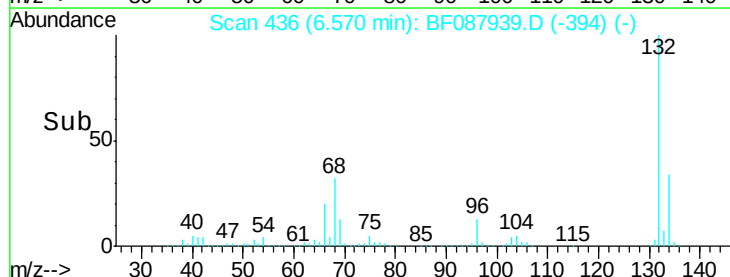
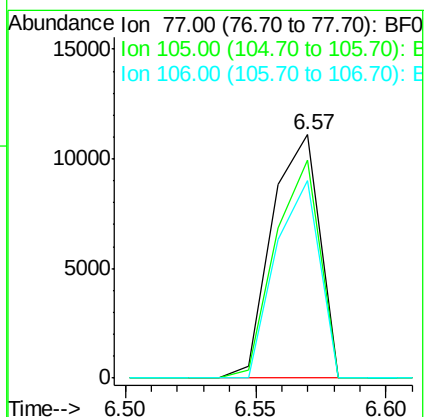
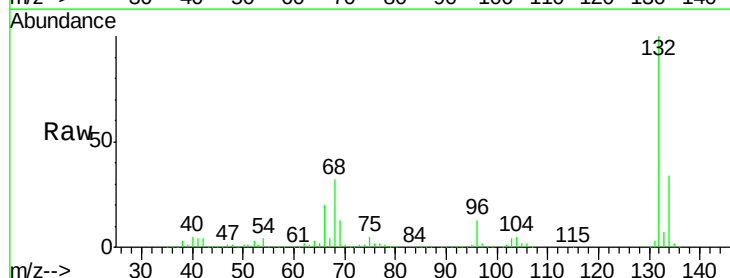
Tgt Ion: 77 Resp: 14056

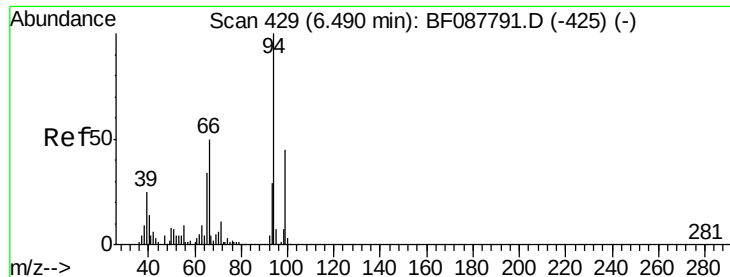
Ion Ratio Lower Upper

77 100

105 89.6 90.6 130.6#

106 81.4 85.3 125.3#





#10

Phenol

Concen: Below Cal

RT: 6.44 min Scan# 425

Delta R.T. -0.05 min

Lab File: BF087939.D

Acq: 12 Jun 2016 10:14

Instrument :

BNA_F

ClientSampleId :

SP16-JMW0801B

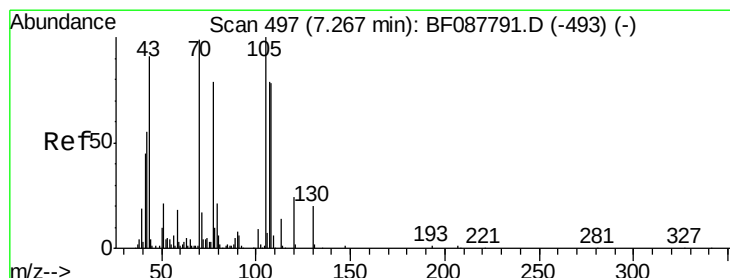
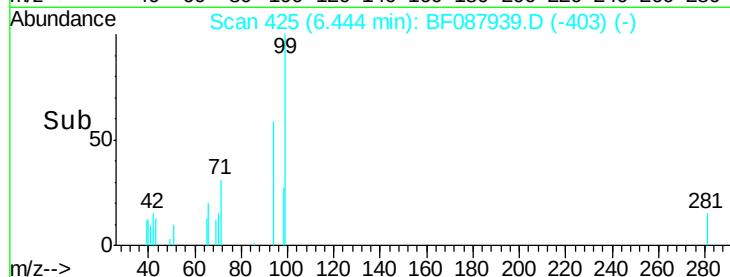
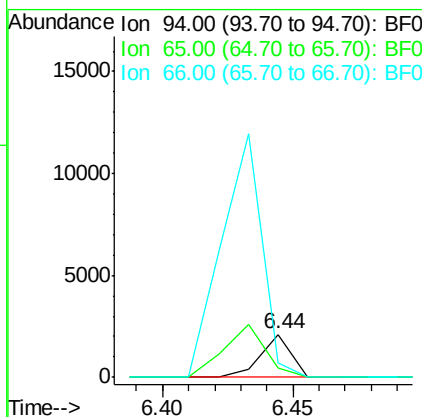
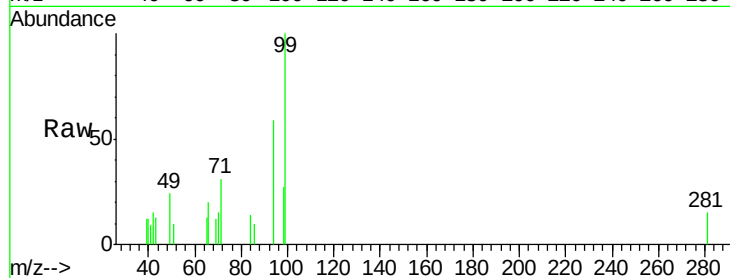
Tgt Ion: 94 Resp: 1717

Ion Ratio Lower Upper

94 100

65 22.8 5.9 45.9

66 33.8 14.0 54.0



#19

n-Nitroso-di-n-propylamine

Concen: 17.38 ng

RT: 7.37 min Scan# 506

Delta R.T. 0.10 min

Lab File: BF087939.D

Acq: 12 Jun 2016 10:14

Tgt Ion: 70 Resp: 88264

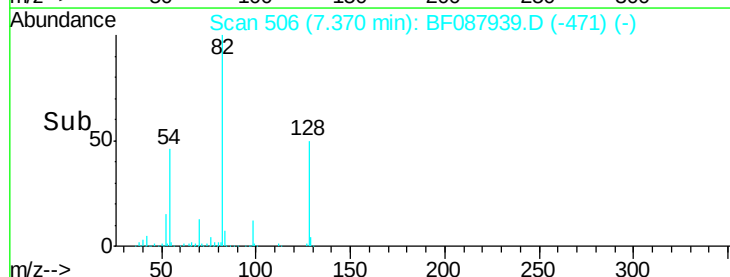
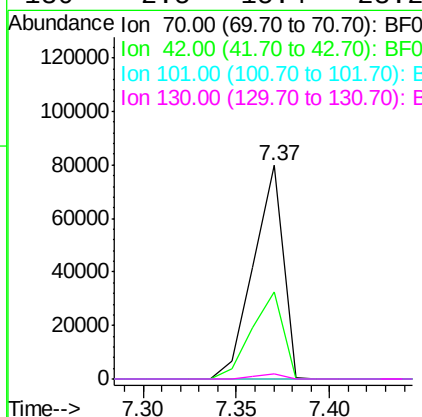
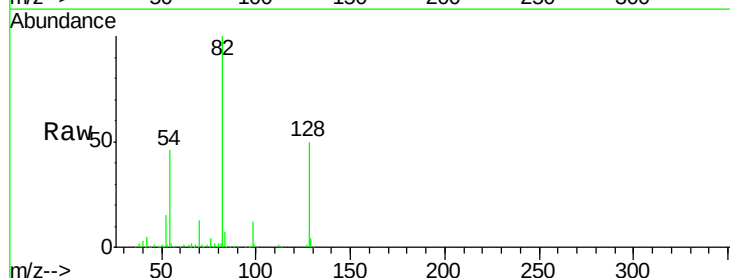
Ion Ratio Lower Upper

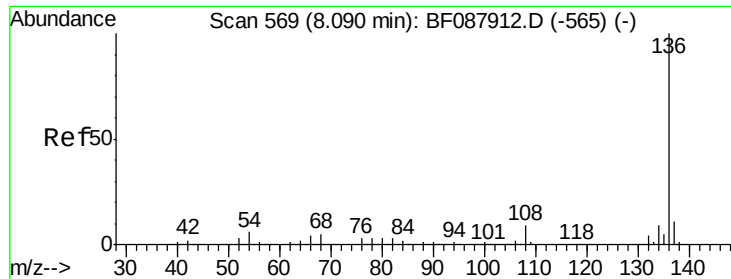
70 100

42 41.0 49.6 74.4#

101 0.0 7.1 10.7#

130 2.5 15.4 23.2#

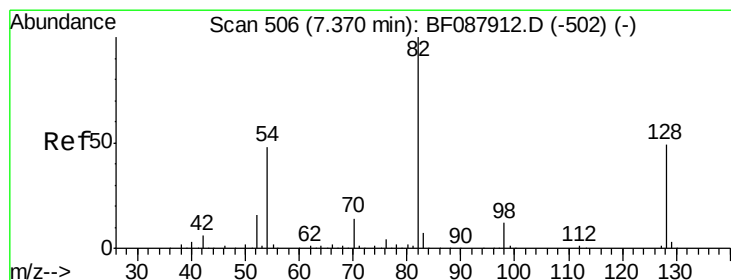
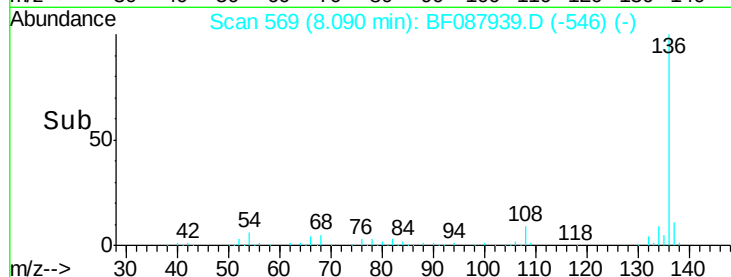
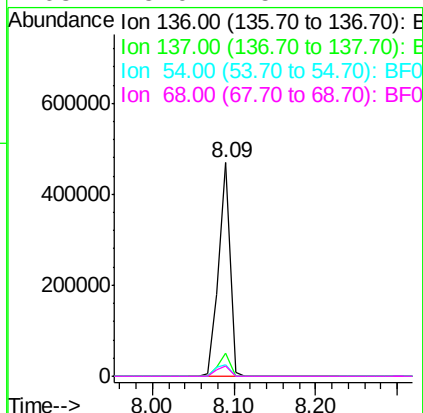
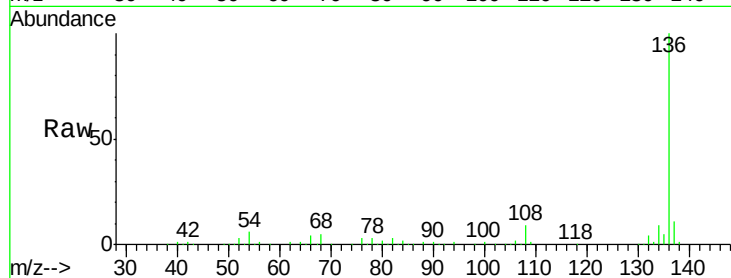




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 569
Delta R.T. -0.03 min
Lab File: BF087939.D
Acq: 12 Jun 2016 10:14

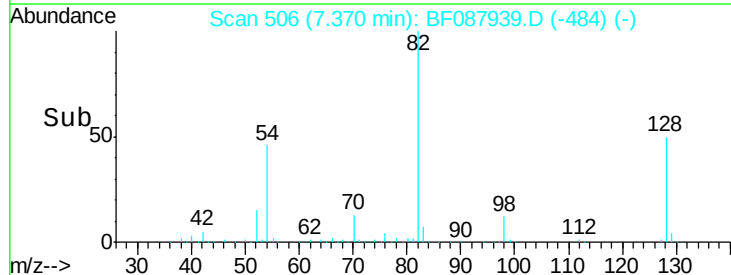
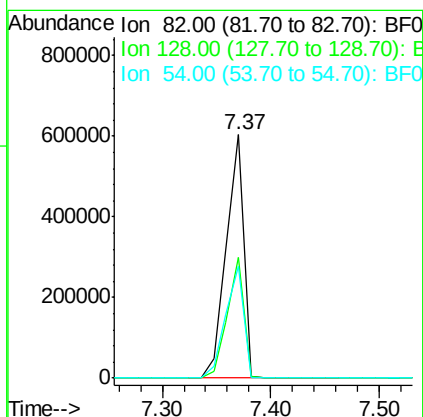
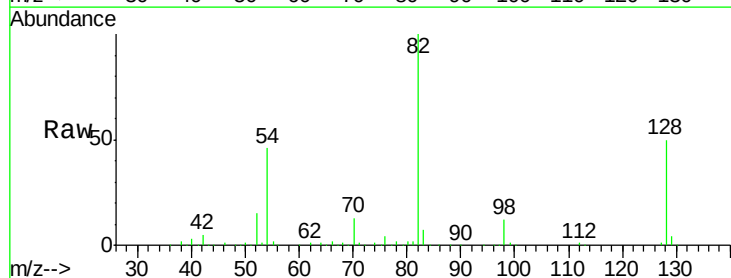
Instrument :
BNA_F
ClientSampleId :
SP16-JMW0801B

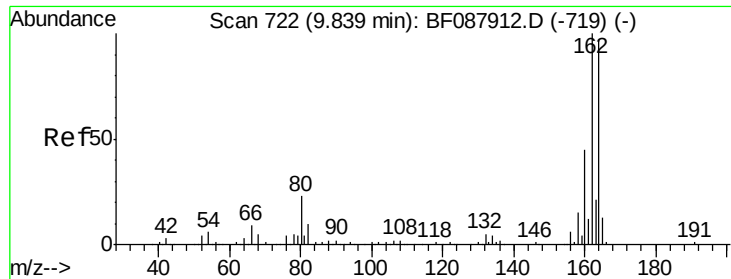
Tgt Ion:	136	Resp:	458940
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.1	13.7
54	5.7	6.6	10.0#
68	5.0	5.1	7.7#



#23
Nitrobenzene-d5
Concen: 85.45 ng
RT: 7.37 min Scan# 506
Delta R.T. -0.05 min
Lab File: BF087939.D
Acq: 12 Jun 2016 10:14

Tgt Ion:	82	Resp:	671570
Ion	Ratio	Lower	Upper
82	100		
128	49.6	35.9	53.9
54	46.1	40.9	61.3

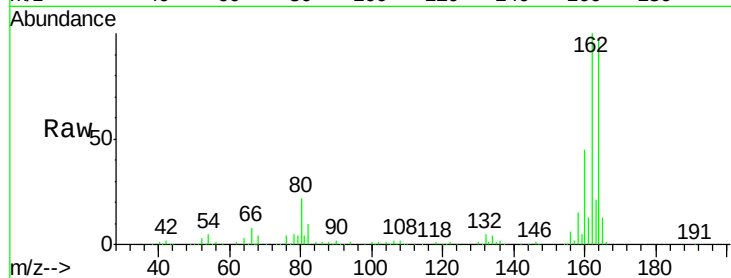




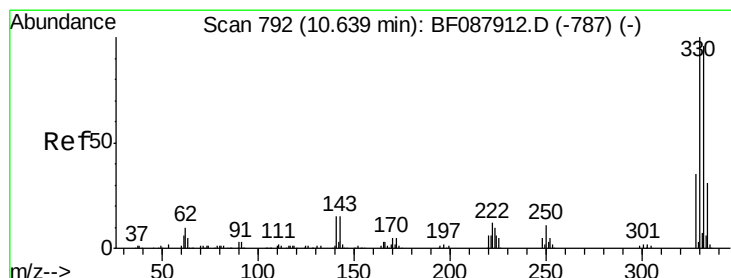
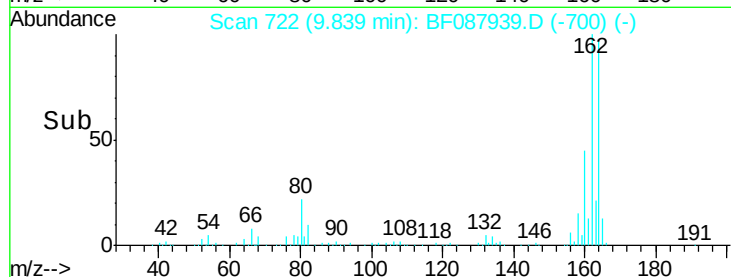
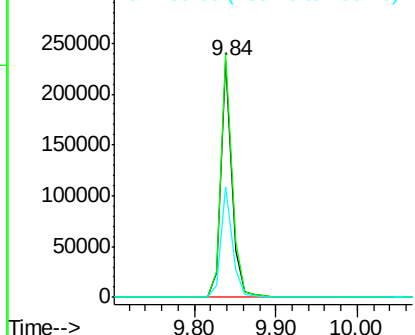
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.84 min Scan# 722
Delta R.T. -0.05 min
Lab File: BF087939.D
Acq: 12 Jun 2016 10:14

Instrument :
BNA_F
ClientSampleId :
SP16-JMW0801B

Tgt Ion:164 Resp: 216761
Ion Ratio Lower Upper
164 100
162 103.1 85.4 128.2
160 46.7 39.5 59.3

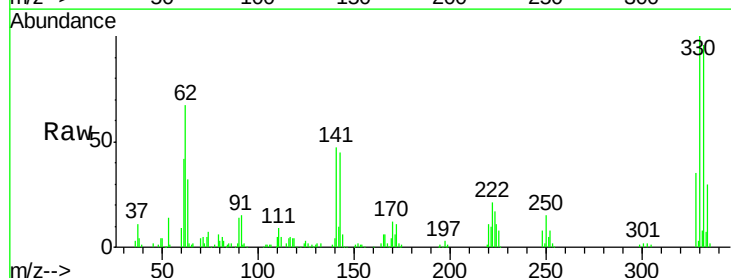


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

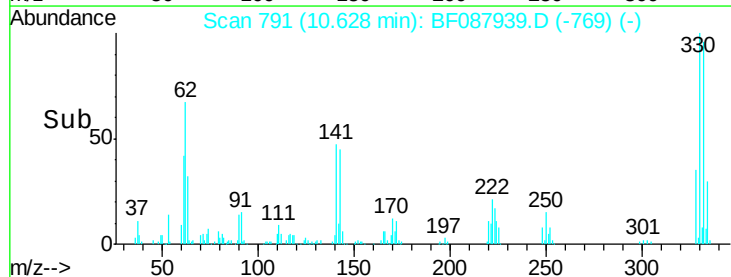
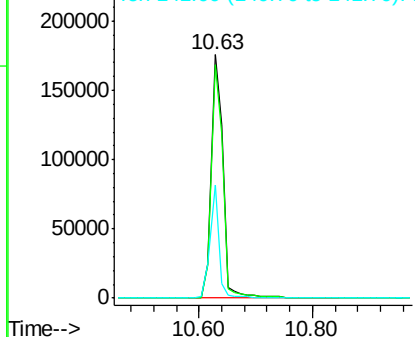


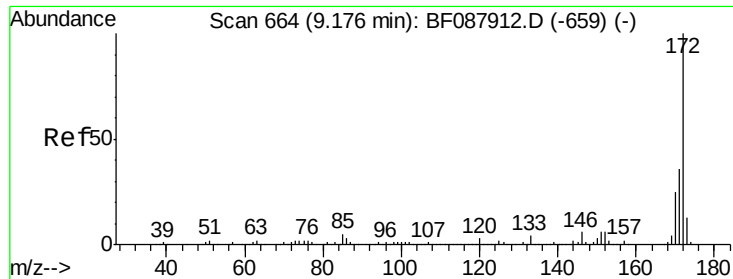
#41
2,4,6-Tribromophenol
Concen: 105.58 ng
RT: 10.63 min Scan# 791
Delta R.T. -0.05 min
Lab File: BF087939.D
Acq: 12 Jun 2016 10:14

Tgt Ion:330 Resp: 241652
Ion Ratio Lower Upper
330 100
332 95.7 0.0 0.0#
141 35.8 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

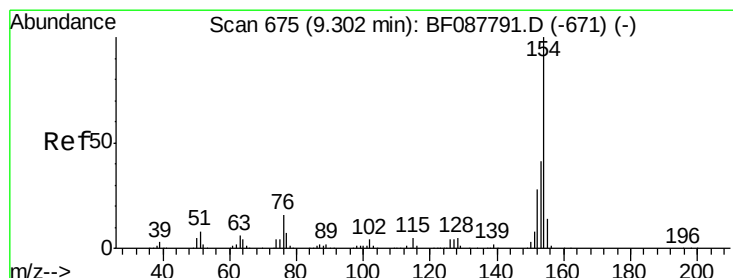
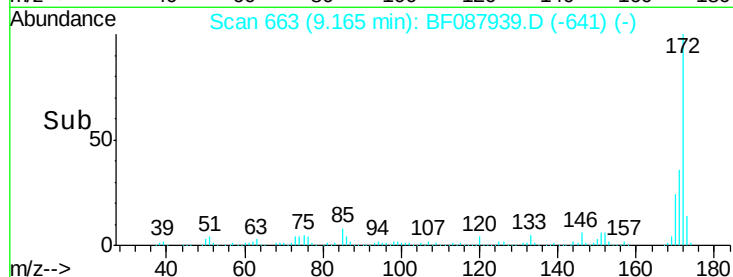
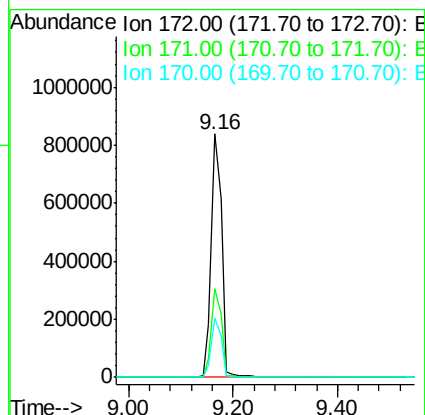
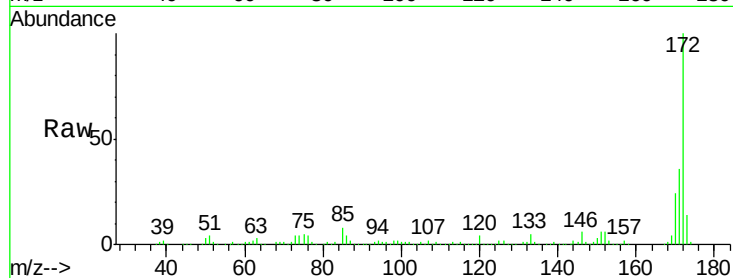




#44
 2-Fluorobiphenyl
 Concen: 84.79 ng
 RT: 9.16 min Scan# 663
 Delta R.T. -0.05 min
 Lab File: BF087939.D
 Acq: 12 Jun 2016 10:14

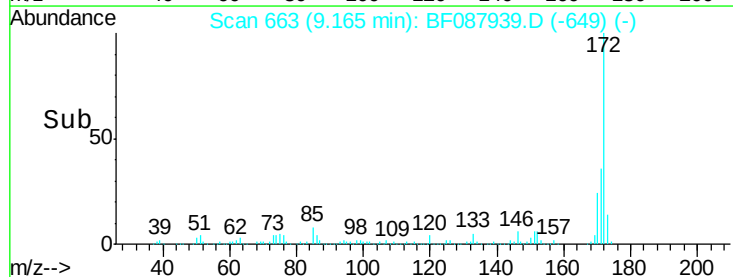
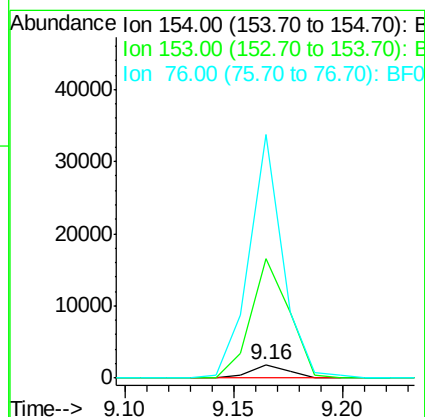
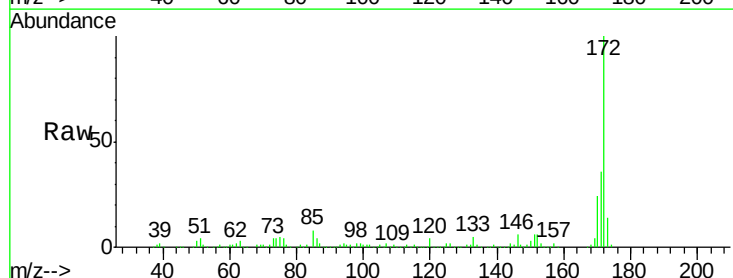
Instrument :
 BNA_F
 ClientSampleId :
 SP16-JMW0801B

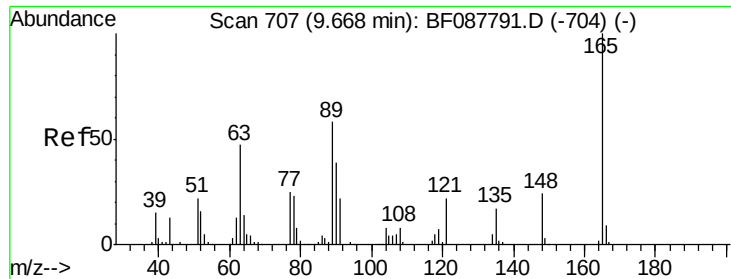
Tgt Ion:172 Resp: 1170165
 Ion Ratio Lower Upper
 172 100
 171 36.3 28.6 43.0
 170 24.3 19.2 28.8



#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.16 min Scan# 663
 Delta R.T. -0.14 min
 Lab File: BF087939.D
 Acq: 12 Jun 2016 10:14

Tgt Ion:154 Resp: 2276
 Ion Ratio Lower Upper
 154 100
 153 876.3 20.6 60.6#
 76 1787.8 0.0 35.1#

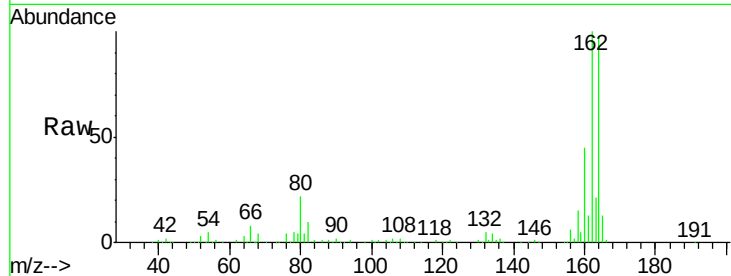




#50
 2,6-Dinitrotoluene
 Concen: 7.77 ng
 RT: 9.84 min Scan# 722
 Delta R.T. 0.17 min
 Lab File: BF087939.D
 Acq: 12 Jun 2016 10:14

Instrument :
 BNA_F
 ClientSampleId :
 SP16-JMW0801B

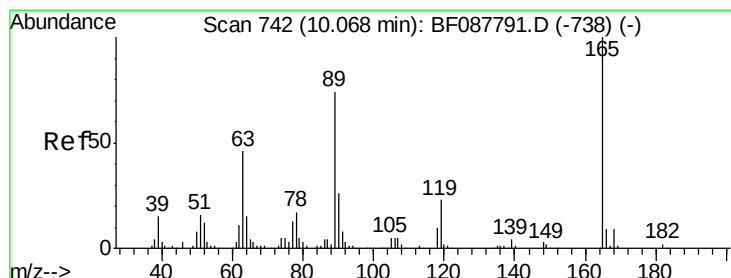
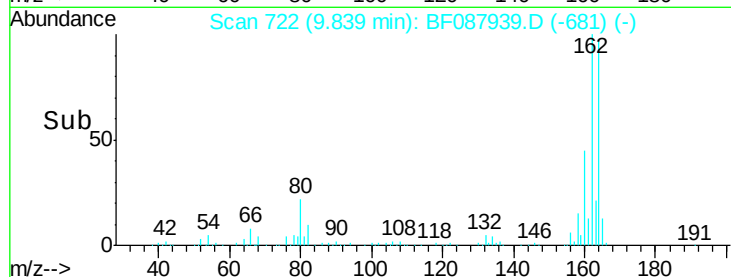
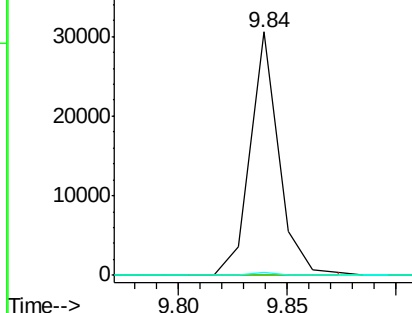
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	28.1	42.1#
89	1.4	32.2	48.2#



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: 6.04 ng
 RT: 9.84 min Scan# 722
 Delta R.T. -0.23 min
 Lab File: BF087939.D
 Acq: 12 Jun 2016 10:14

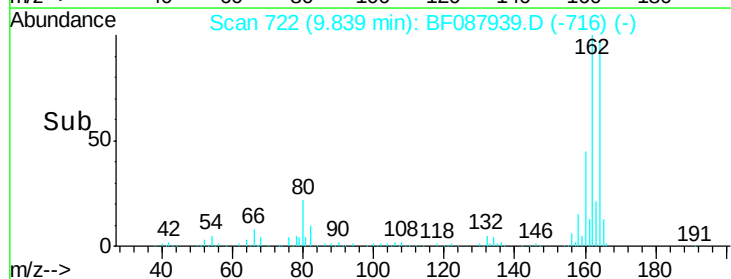
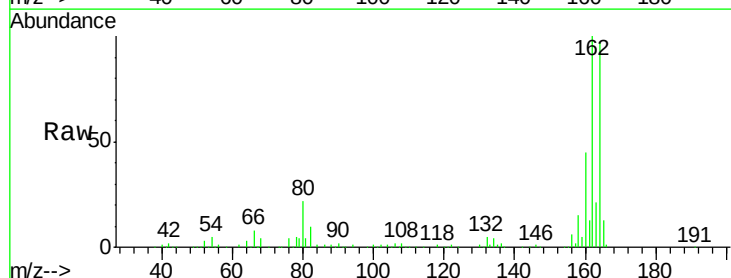
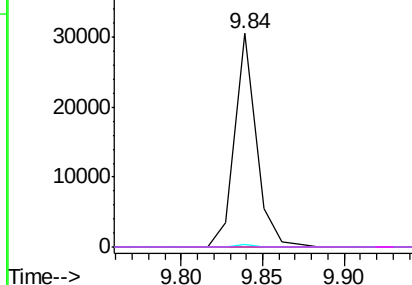
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.0	33.0#
89	1.4	41.1	61.7#
182	0.0	2.0	3.0#

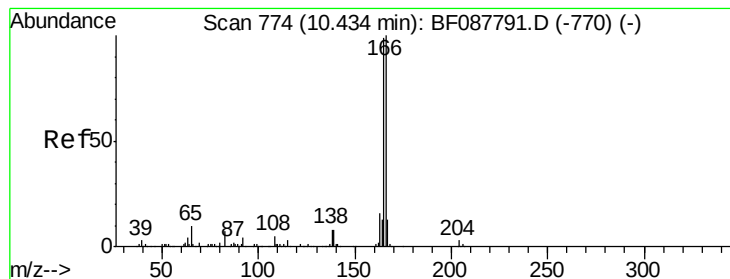
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF087939.D

Acq: 12 Jun 2016 10:14

Instrument :

BNA_F

ClientSampleId :

SP16-JMW0801B

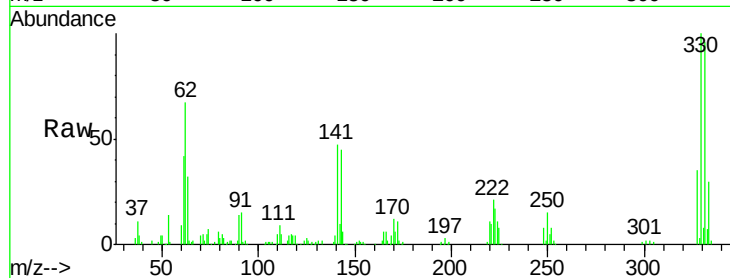
Tgt Ion:166 Resp: 10911

Ion Ratio Lower Upper

166 100

165 102.7 77.8 116.8

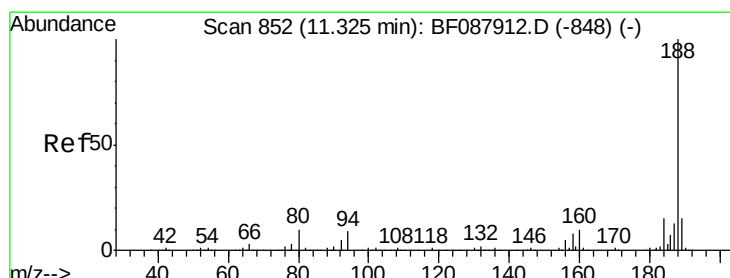
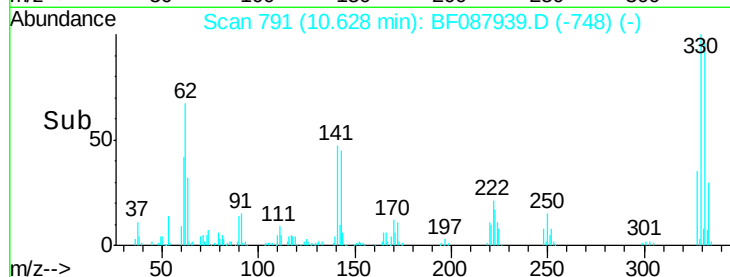
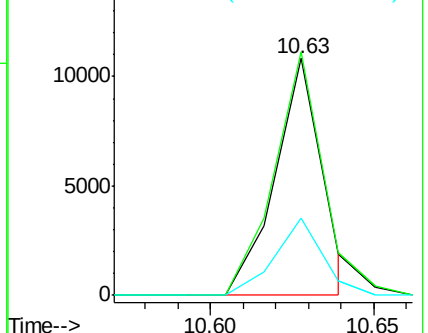
167 32.3 11.2 16.8#



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: BF087939.D

Acq: 12 Jun 2016 10:14

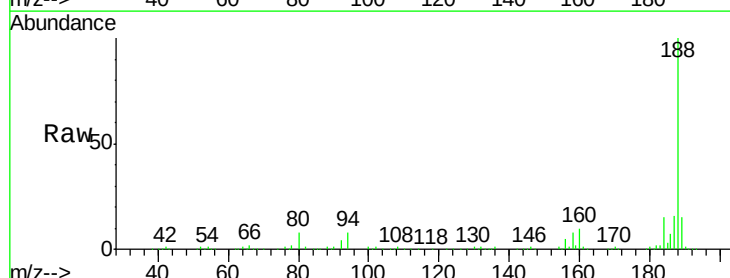
Tgt Ion:188 Resp: 416268

Ion Ratio Lower Upper

188 100

94 7.8 9.0 13.6#

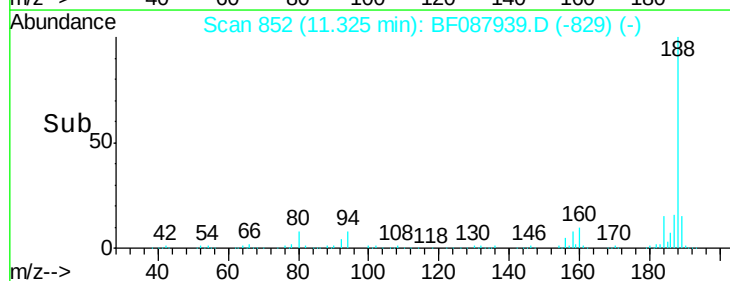
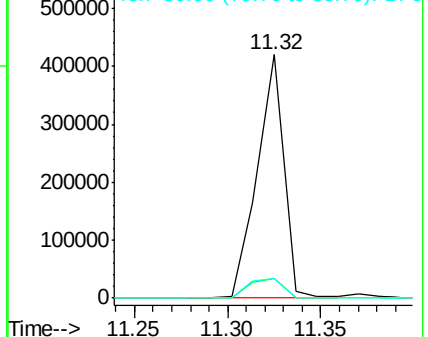
80 7.8 10.0 15.0#

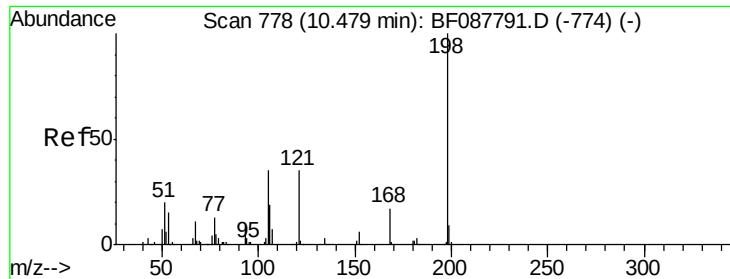


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

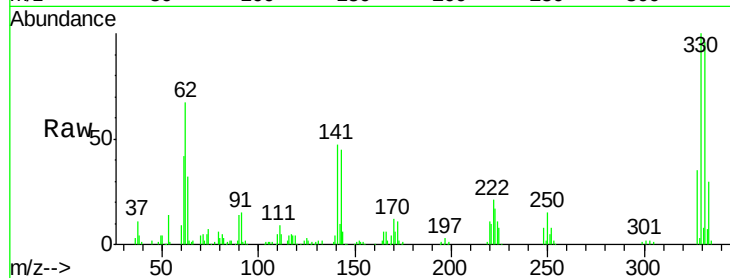




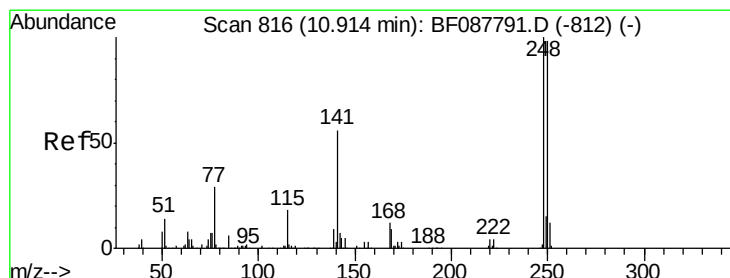
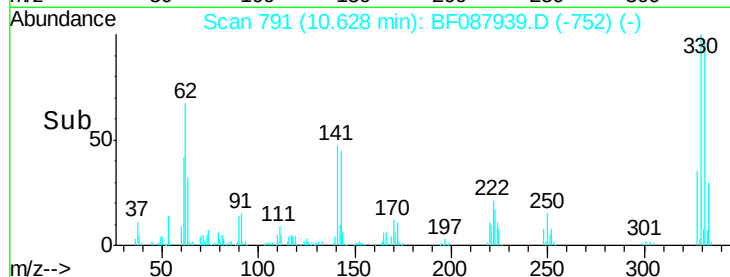
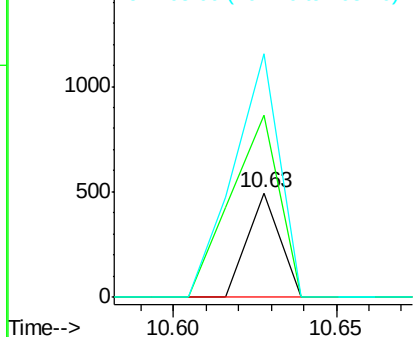
#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.29 ng
 RT: 10.63 min Scan# 791
 Delta R.T. 0.15 min
 Lab File: BF087939.D
 Acq: 12 Jun 2016 10:14

Instrument :
 BNA_F
 ClientSampleId :
 SP16-JMW0801B

Tgt Ion:198 Resp: 339
 Ion Ratio Lower Upper
 198 100
 51 175.1 39.6 79.6#
 105 233.6 36.6 76.6#

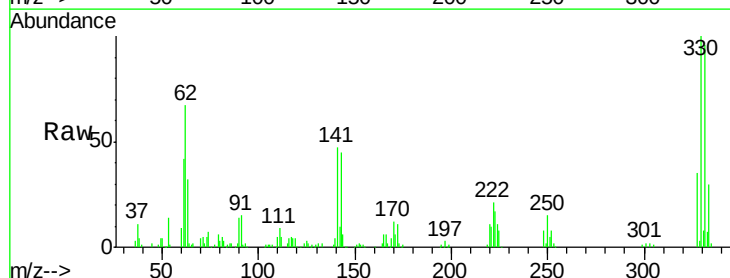


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

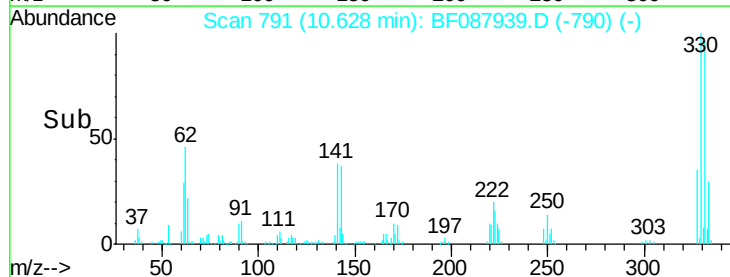
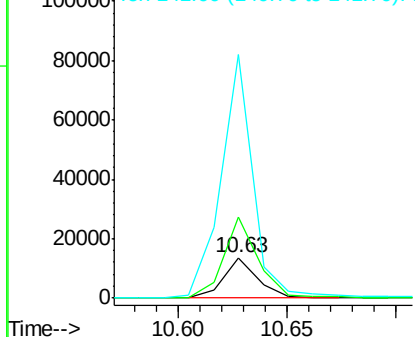


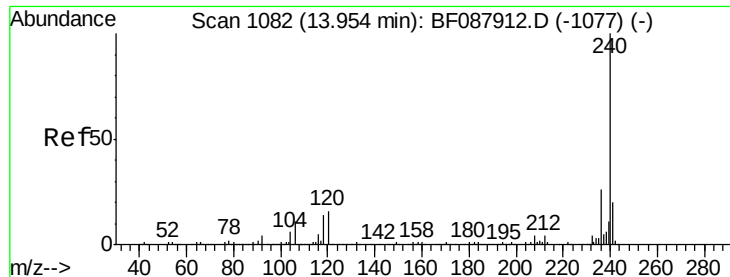
#66
 4-Bromophenyl-phenylether
 Concen: 3.24 ng
 RT: 10.63 min Scan# 791
 Delta R.T. -0.29 min
 Lab File: BF087939.D
 Acq: 12 Jun 2016 10:14

Tgt Ion:248 Resp: 14454
 Ion Ratio Lower Upper
 248 100
 250 200.5 77.1 115.7#
 141 606.3 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: BF087939.D

Acq: 12 Jun 2016 10:14

Instrument :

BNA_F

ClientSampleId :

SP16-JMW0801B

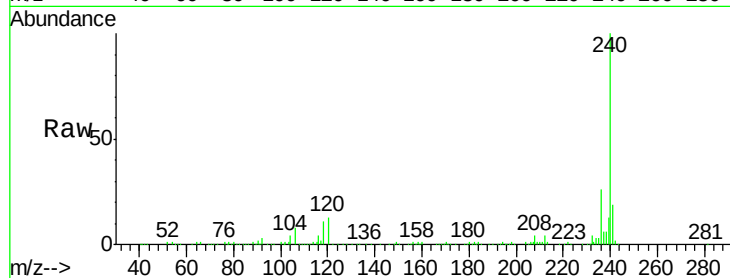
Tgt Ion:240 Resp: 324562

Ion Ratio Lower Upper

240 100

120 12.5 6.8 10.2#

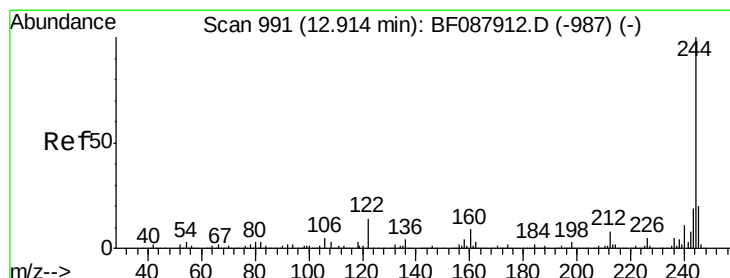
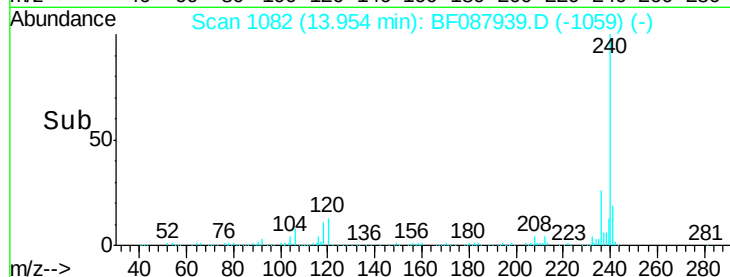
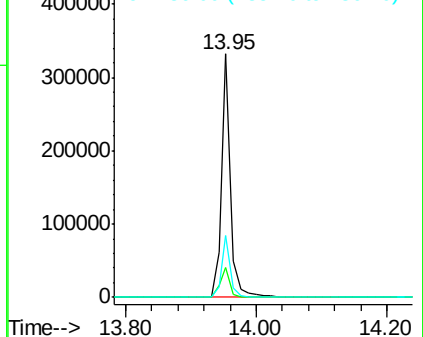
236 25.6 20.2 30.2



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: 69.95 ng

RT: 12.91 min Scan# 991

Delta R.T. -0.03 min

Lab File: BF087939.D

Acq: 12 Jun 2016 10:14

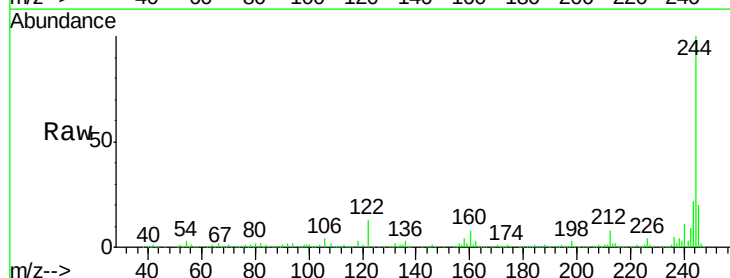
Tgt Ion:244 Resp: 997701

Ion Ratio Lower Upper

244 100

212 7.6 6.0 9.0

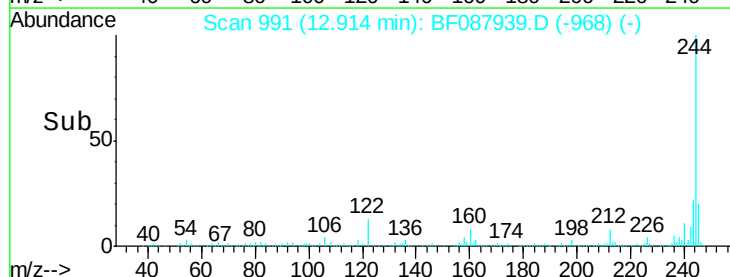
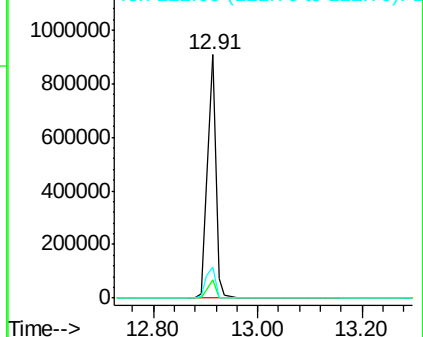
122 13.0 11.2 16.8

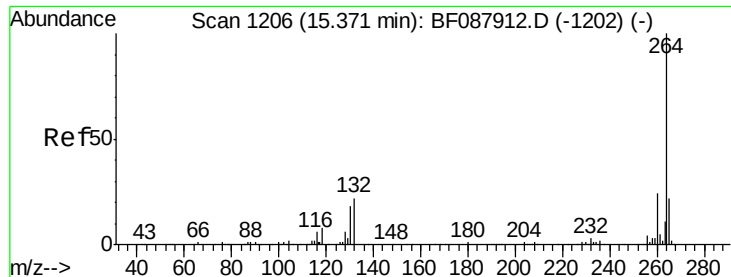


Abundance Ion 244.00 (243.70 to 244.70): E

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: BF087939.D
Acq: 12 Jun 2016 10:14

Instrument :
BNA_F
ClientSampleId :
SP16-JMW0801B

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.3	16.9	25.3

