

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061116\
 Data File : BF087937.D
 Acq On : 12 Jun 2016 9:16
 Operator : UM/SJ
 Sample : H3504-05
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-5

Quant Time: Jun 13 01:14:25 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	106627	20.00	ng	-0.05
21) Naphthalene-d8	8.09	136	450494	20.00	ng	-0.03
38) Acenaphthene-d10	9.84	164	211147	20.00	ng	-0.05
63) Phenanthrene-d10	11.32	188	403214	20.00	ng	-0.03
75) Chrysene-d12	13.95	240	312499	20.00	ng	-0.03
86) Perylene-d12	15.37	264	230819	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.39	112	465852	74.69	ng	-0.03
7) Phenol-d6	6.43	99	402079	53.19	ng	-0.05
23) Nitrobenzene-d5	7.37	82	732858	94.99	ng	-0.05
41) 2,4,6-Tribromophenol	10.63	330	282148	126.55	ng	-0.05
44) 2-Fluorobiphenyl	9.16	172	1282667	96.16	ng	-0.05
78) Terphenyl-d14	12.91	244	1042465	75.91	ng	-0.03

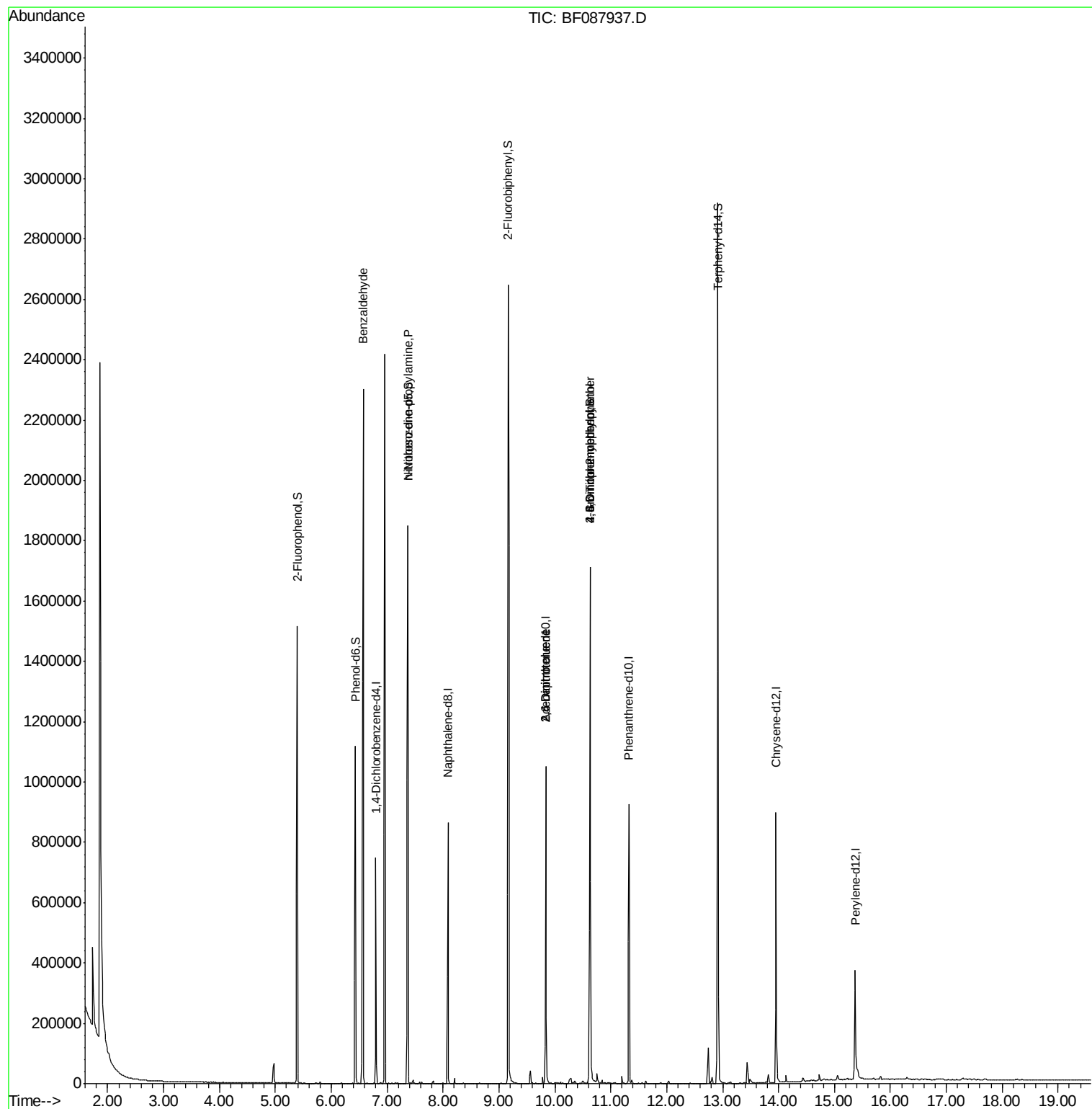
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.57	77	16873	3.07	ng	# 75
10) Phenol	6.44	94	817	Below	Cal	# 72
19) n-Nitroso-di-n-propylamine	7.37	70	97174	20.10	ng	# 71
45) 1,1'-Biphenyl	9.16	154	2529	Below	Cal	# 1
50) 2,6-Dinitrotoluene	9.84	165	26886	7.68	ng	# 39
56) 2,4-Dinitrotoluene	9.84	165	26890	5.97	ng	# 38
57) Fluorene	10.63	166	11755	Below	Cal	# 85
64) 4,6-Dinitro-2-methylphenol	10.63	198	373	2.30	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	17028	3.94	ng	# 1

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

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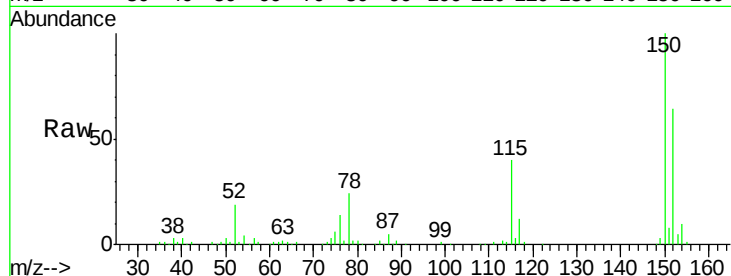




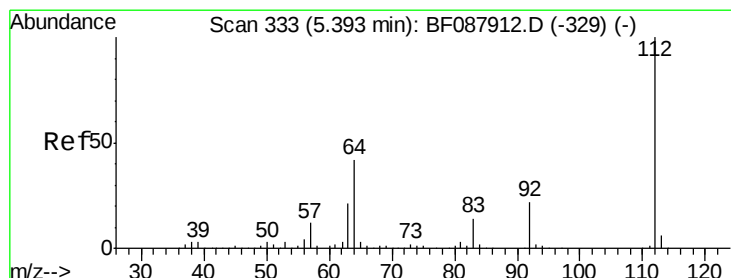
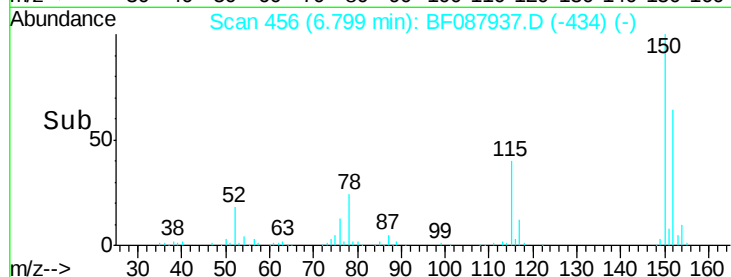
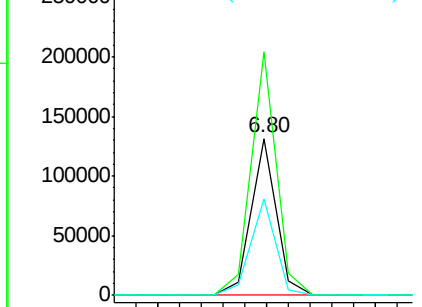
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.80 min Scan# 456
 Delta R.T. -0.05 min
 Lab File: BF087937.D
 Acq: 12 Jun 2016 9:16

Instrument :
 BNA_F
 ClientSampleId :
 MW-5

Tgt Ion:152 Resp: 106627
 Ion Ratio Lower Upper
 152 100
 150 155.1 123.8 185.6
 115 61.8 39.6 59.4#

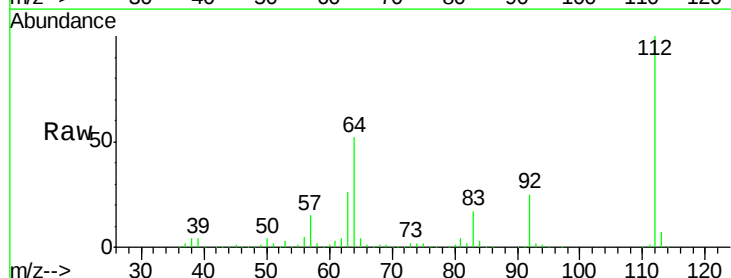


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

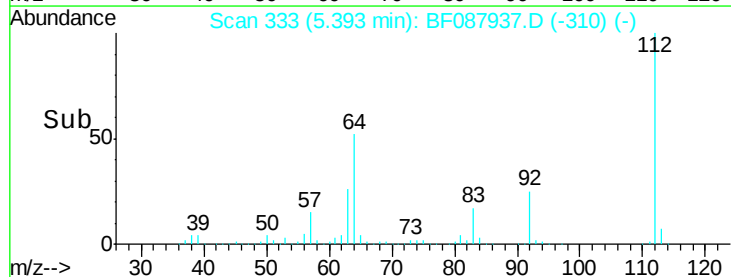
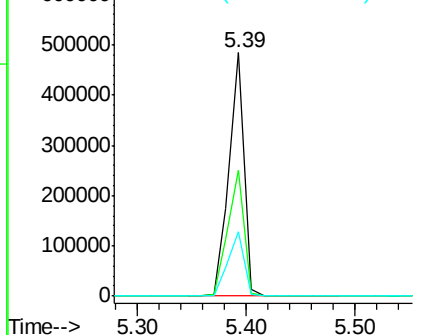


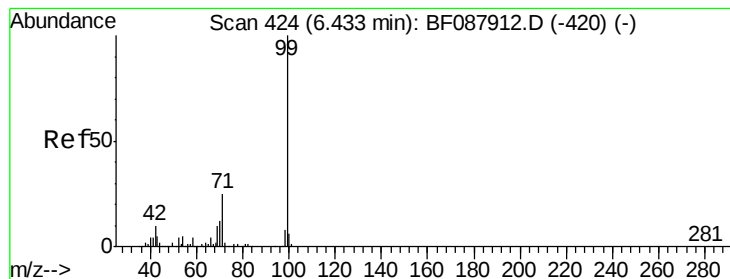
#5
 2-Fluorophenol
 Concen: 74.69 ng
 RT: 5.39 min Scan# 333
 Delta R.T. -0.03 min
 Lab File: BF087937.D
 Acq: 12 Jun 2016 9:16

Tgt Ion:112 Resp: 465852
 Ion Ratio Lower Upper
 112 100
 64 51.6 42.2 63.2
 63 26.3 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: 53.19 ng

RT: 6.43 min Scan# 424

Delta R.T. -0.05 min

Lab File: BF087937.D

Acq: 12 Jun 2016 9:16

Instrument :

BNA_F

ClientSampleId :

MW-5

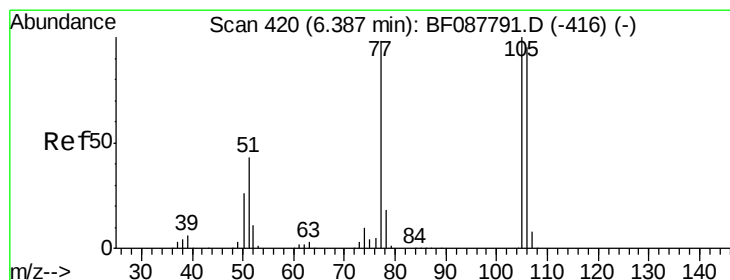
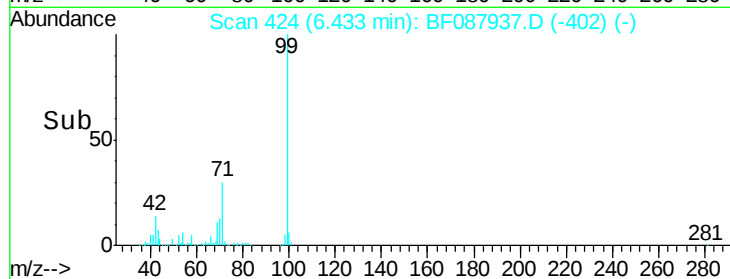
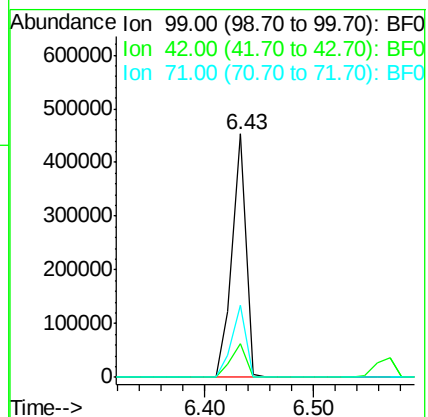
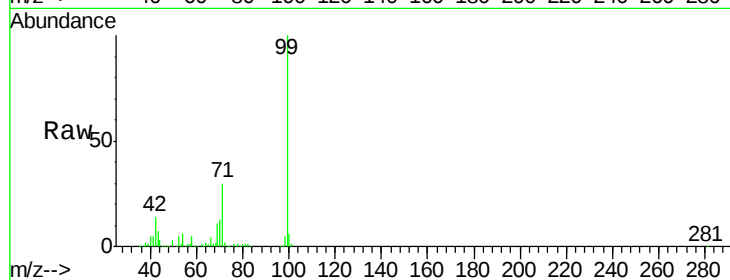
Tgt Ion: 99 Resp: 402079

Ion Ratio Lower Upper

99 100

42 13.9 12.2 18.2

71 29.7 23.4 35.0



#9

Benzaldehyde

Concen: 3.07 ng

RT: 6.57 min Scan# 436

Delta R.T. 0.18 min

Lab File: BF087937.D

Acq: 12 Jun 2016 9:16

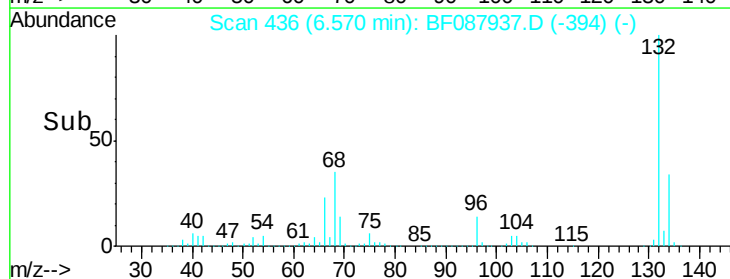
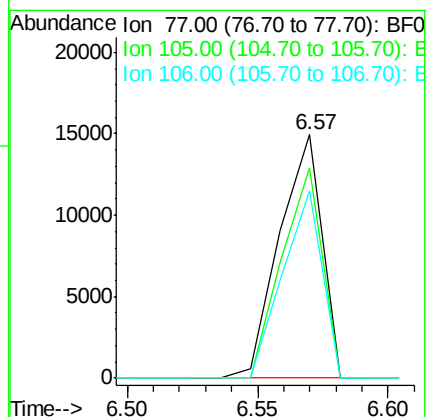
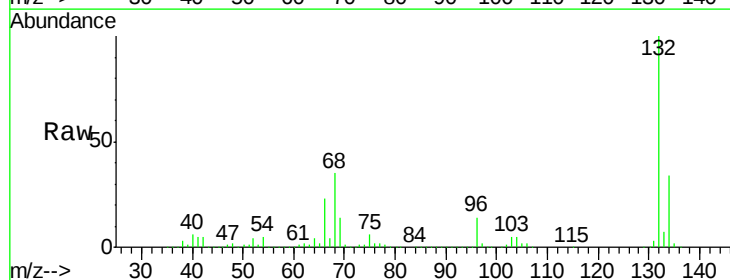
Tgt Ion: 77 Resp: 16873

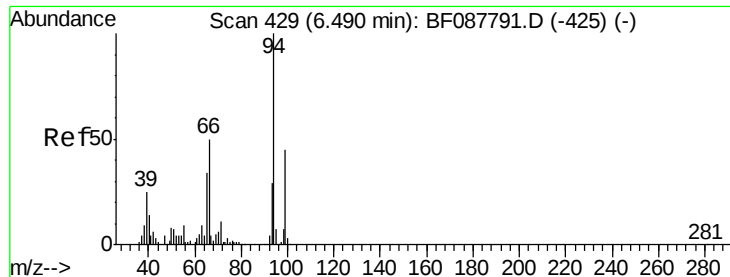
Ion Ratio Lower Upper

77 100

105 86.6 90.6 130.6#

106 77.1 85.3 125.3#





#10

Phenol

Concen: Below Cal

RT: 6.44 min Scan# 425

Delta R.T. -0.05 min

Lab File: BF087937.D

Acq: 12 Jun 2016 9:16

Instrument :

BNA_F

ClientSampleId :

MW-5

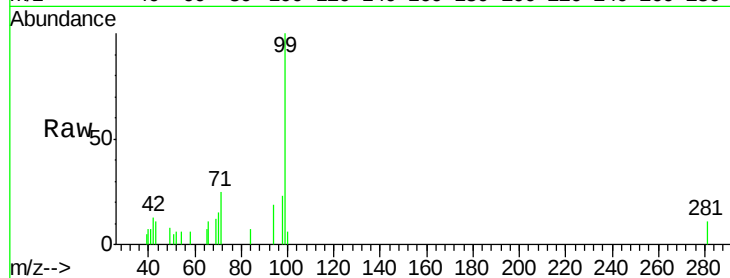
Tgt Ion: 94 Resp: 817

Ion Ratio Lower Upper

94 100

65 35.3 5.9 45.9

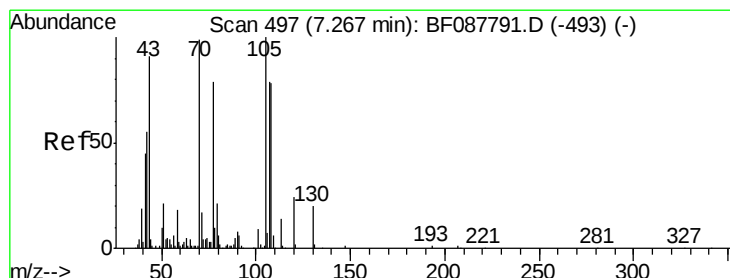
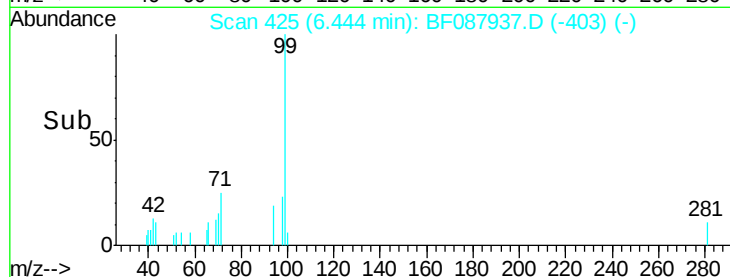
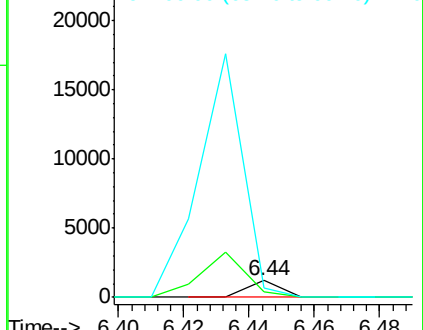
66 54.6 14.0 54.0#



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: 20.10 ng

RT: 7.37 min Scan# 506

Delta R.T. 0.10 min

Lab File: BF087937.D

Acq: 12 Jun 2016 9:16

Tgt Ion: 70 Resp: 97174

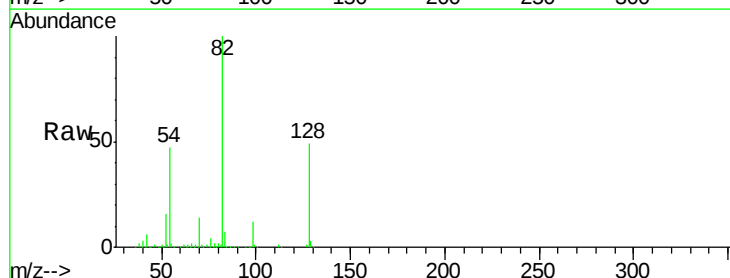
Ion Ratio Lower Upper

70 100

42 41.3 49.6 74.4#

101 0.0 7.1 10.7#

130 2.3 15.4 23.2#

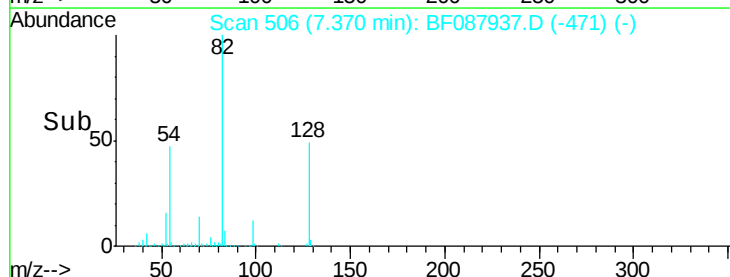
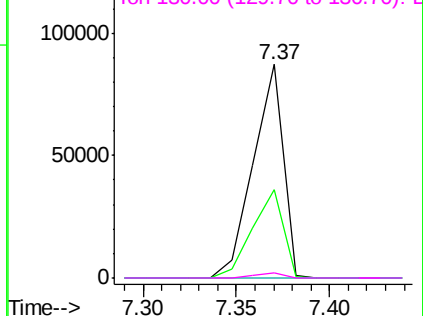


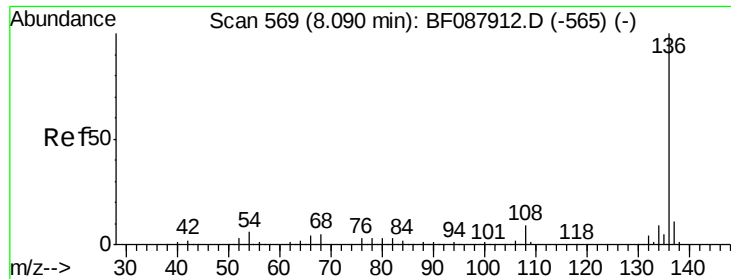
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

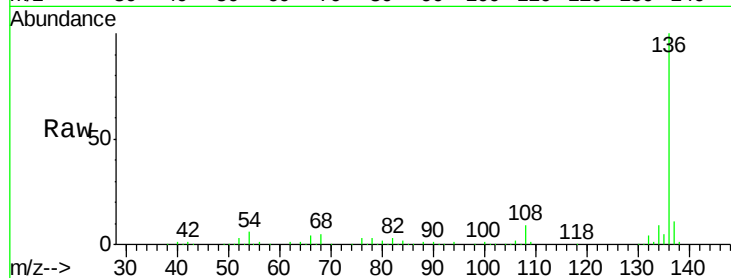




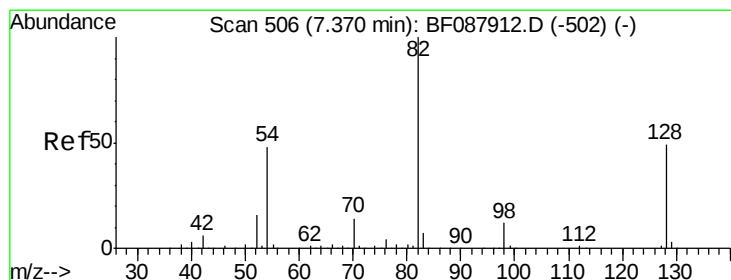
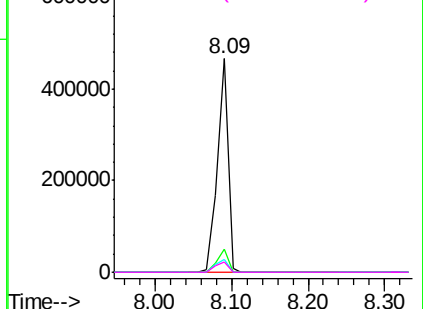
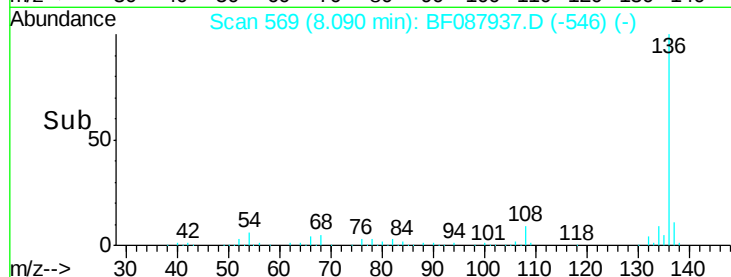
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 569
Delta R.T. -0.03 min
Lab File: BF087937.D
Acq: 12 Jun 2016 9:16

Instrument :
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ClientSampleId :
MW-5

Tgt Ion: 136 Resp: 450494
Ion Ratio Lower Upper
136 100
137 10.7 9.1 13.7
54 5.8 6.6 10.0#
68 5.0 5.1 7.7#

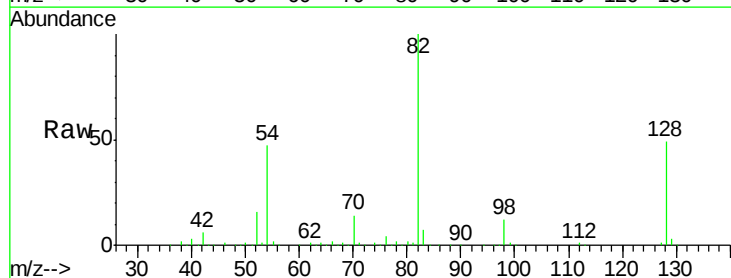


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

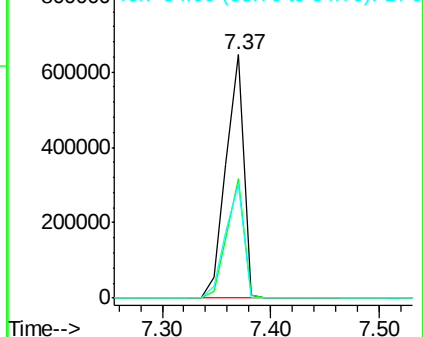
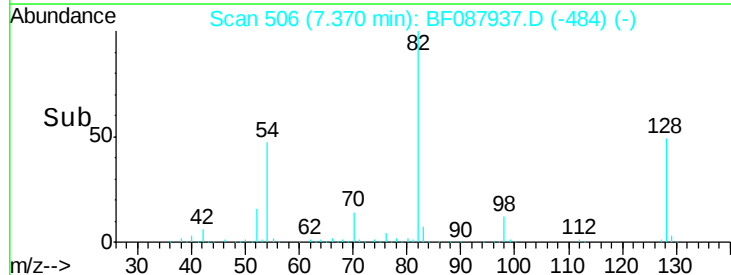


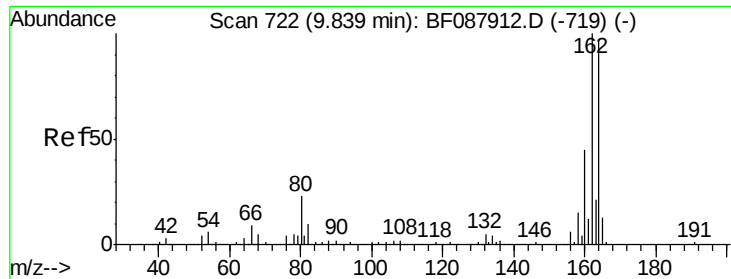
#23
Nitrobenzene-d5
Concen: 94.99 ng
RT: 7.37 min Scan# 506
Delta R.T. -0.05 min
Lab File: BF087937.D
Acq: 12 Jun 2016 9:16

Tgt Ion: 82 Resp: 732858
Ion Ratio Lower Upper
82 100
128 48.9 35.9 53.9
54 46.9 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

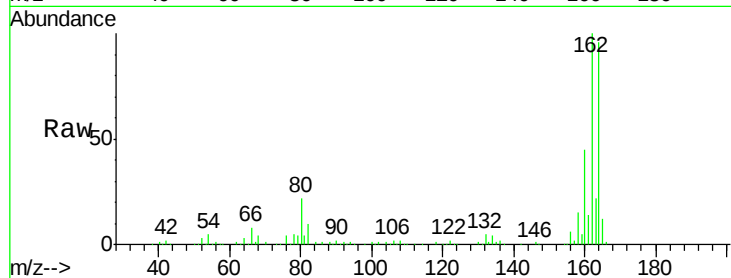




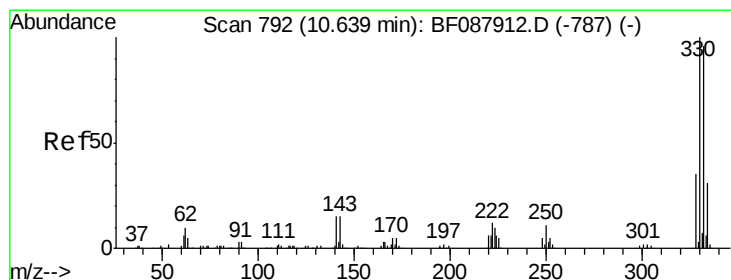
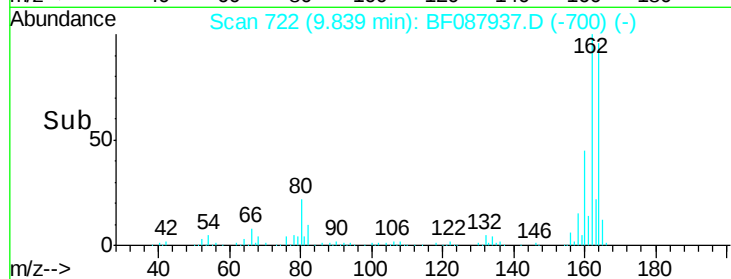
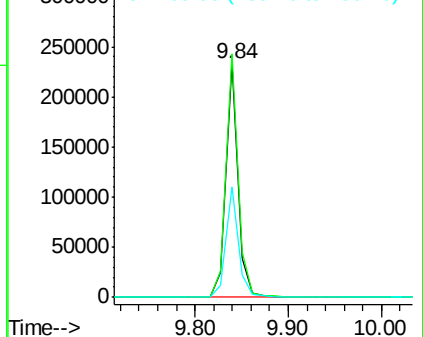
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.84 min Scan# 722
Delta R.T. -0.05 min
Lab File: BF087937.D
Acq: 12 Jun 2016 9:16

Instrument :
BNA_F
ClientSampleId :
MW-5

Tgt Ion:164 Resp: 211147
Ion Ratio Lower Upper
164 100
162 104.0 85.4 128.2
160 47.0 39.5 59.3

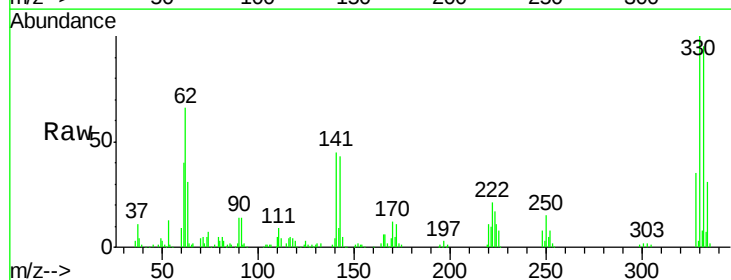


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

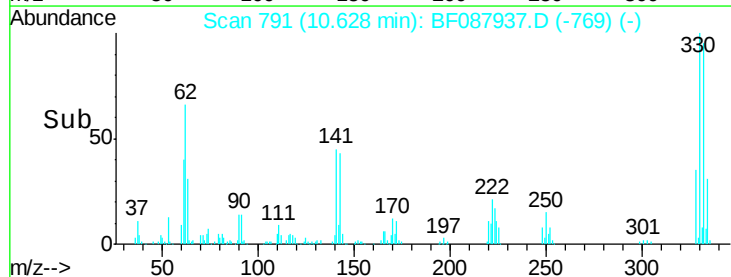
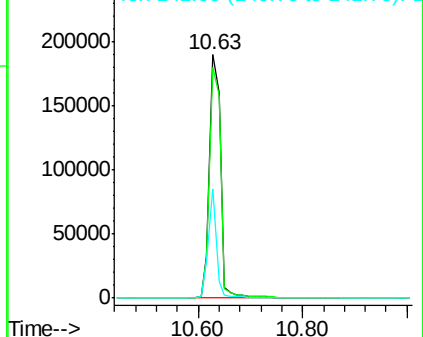


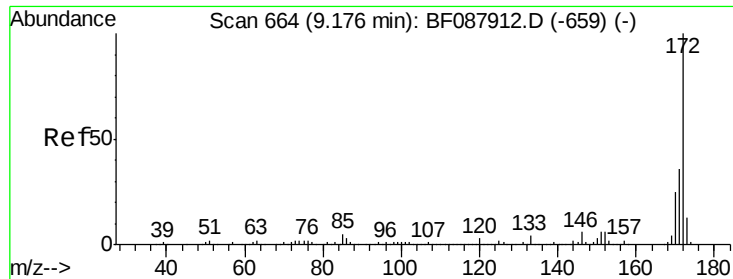
#41
2,4,6-Tribromophenol
Concen: 126.55 ng
RT: 10.63 min Scan# 791
Delta R.T. -0.05 min
Lab File: BF087937.D
Acq: 12 Jun 2016 9:16

Tgt Ion:330 Resp: 282148
Ion Ratio Lower Upper
330 100
332 96.6 0.0 0.0#
141 33.3 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

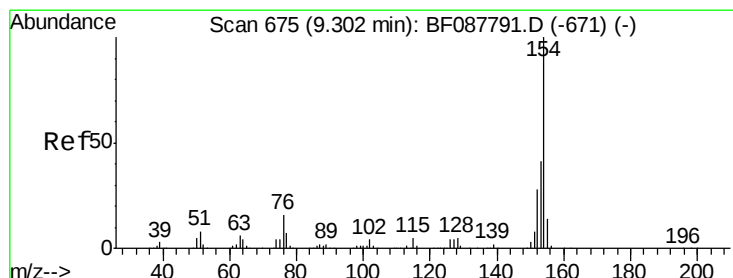
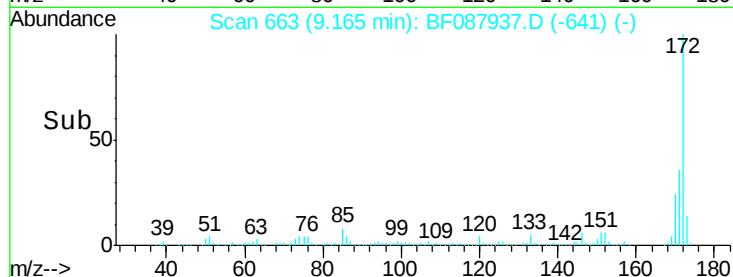
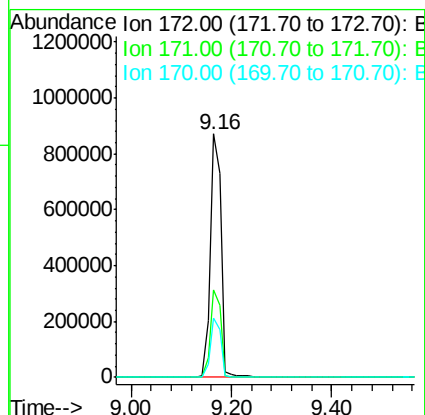
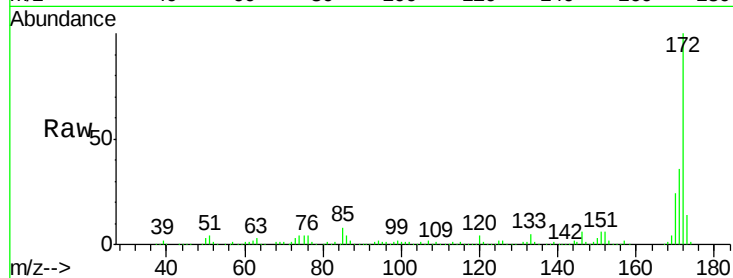




#44
 2-Fluorobiphenyl
 Concen: 96.16 ng
 RT: 9.16 min Scan# 663
 Delta R.T. -0.05 min
 Lab File: BF087937.D
 Acq: 12 Jun 2016 9:16

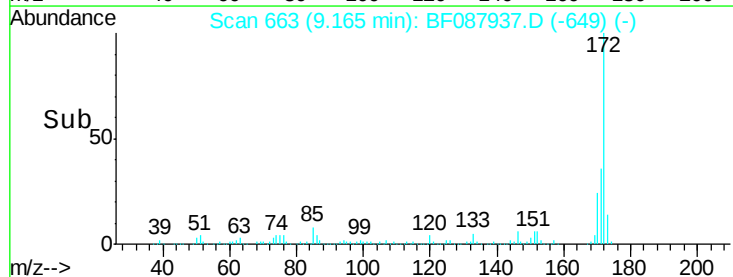
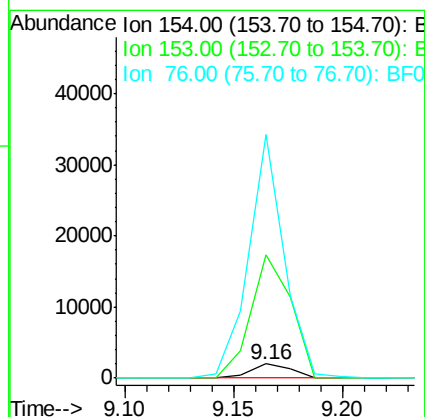
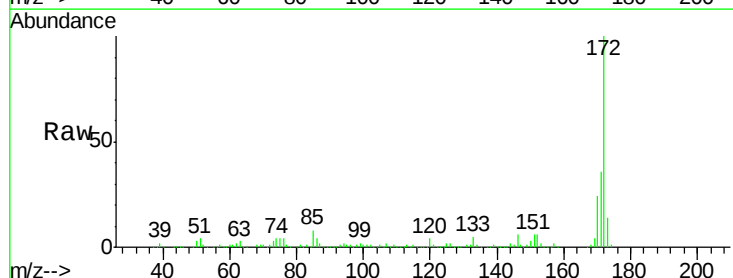
Instrument :
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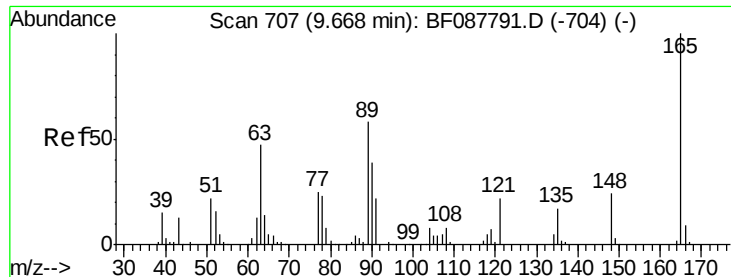
Tgt Ion:172 Resp: 1282667
 Ion Ratio Lower Upper
 172 100
 171 36.1 28.6 43.0
 170 24.3 19.2 28.8



#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.16 min Scan# 663
 Delta R.T. -0.14 min
 Lab File: BF087937.D
 Acq: 12 Jun 2016 9:16

Tgt Ion:154 Resp: 2529
 Ion Ratio Lower Upper
 154 100
 153 880.8 20.6 60.6#
 76 1737.7 0.0 35.1#

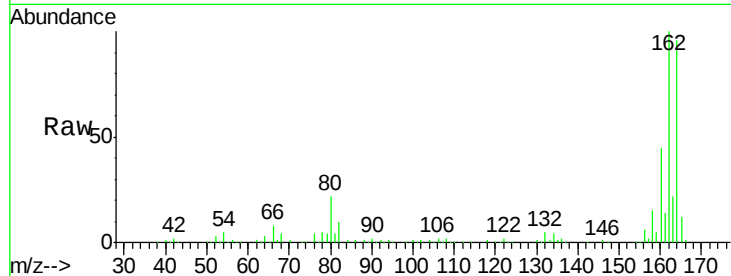




#50
 2,6-Dinitrotoluene
 Concen: 7.68 ng
 RT: 9.84 min Scan# 722
 Delta R.T. 0.17 min
 Lab File: BF087937.D
 Acq: 12 Jun 2016 9:16

Instrument :
 BNA_F
 ClientSampleId :
 MW-5

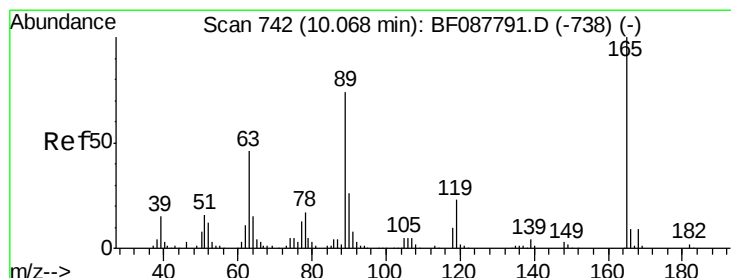
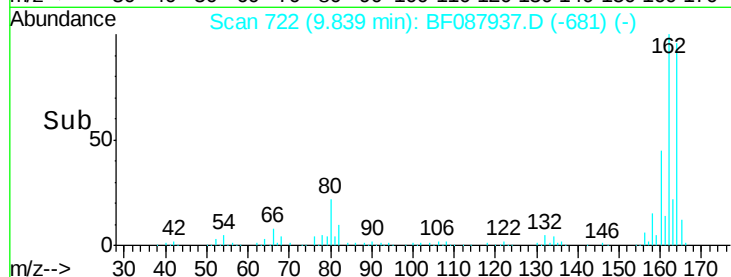
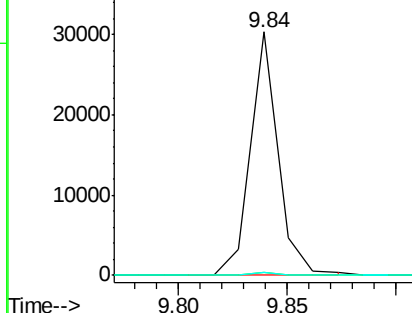
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	28.1	42.1#
89	1.4	32.2	48.2#



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: 5.97 ng
 RT: 9.84 min Scan# 722
 Delta R.T. -0.23 min
 Lab File: BF087937.D
 Acq: 12 Jun 2016 9:16

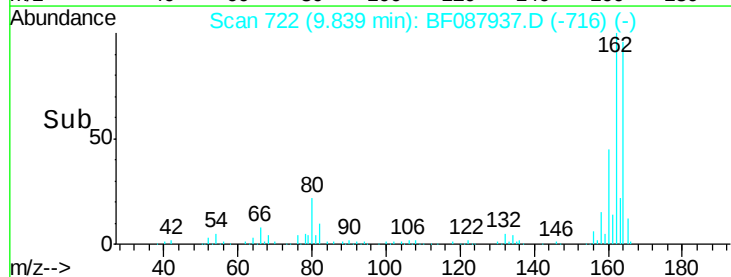
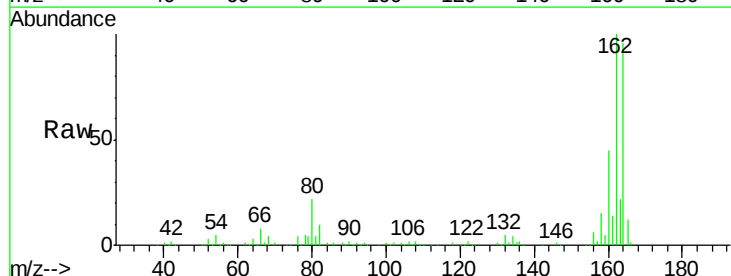
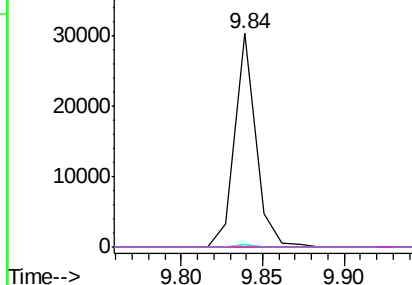
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	22.0	33.0#
89	1.4	41.1	61.7#
182	0.0	2.0	3.0#

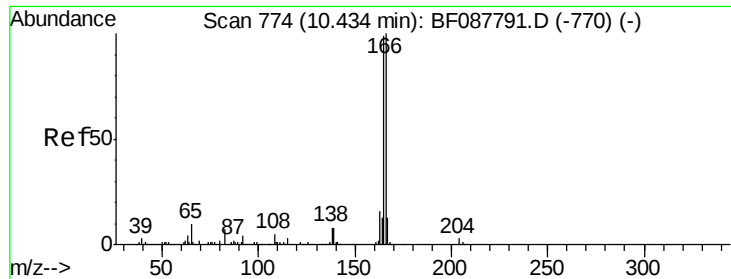
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF087937.D

Acq: 12 Jun 2016 9:16

Instrument :

BNA_F

ClientSampleId :

MW-5

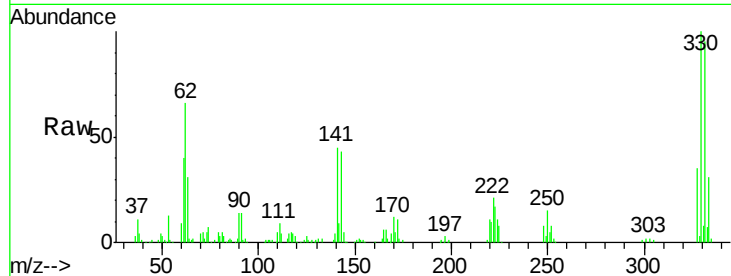
Tgt Ion:166 Resp: 11755

Ion Ratio Lower Upper

166 100

165 107.5 77.8 116.8

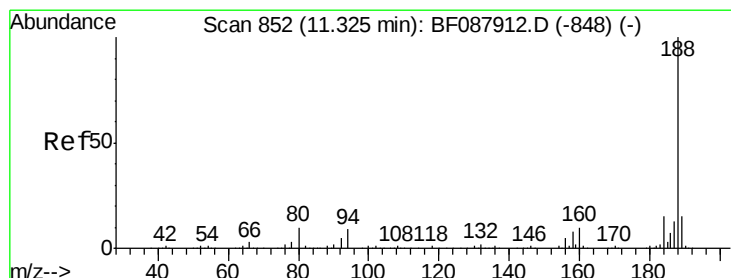
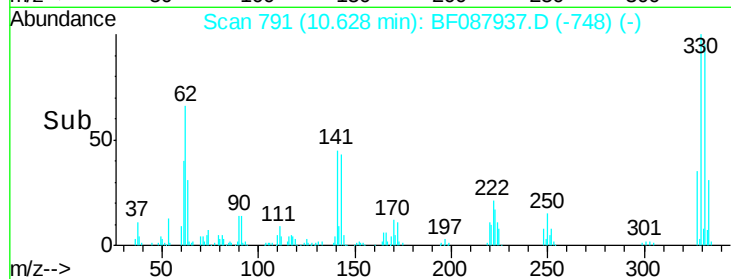
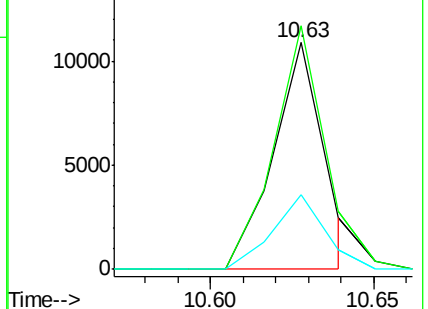
167 32.9 11.2 16.8#



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: BF087937.D

Acq: 12 Jun 2016 9:16

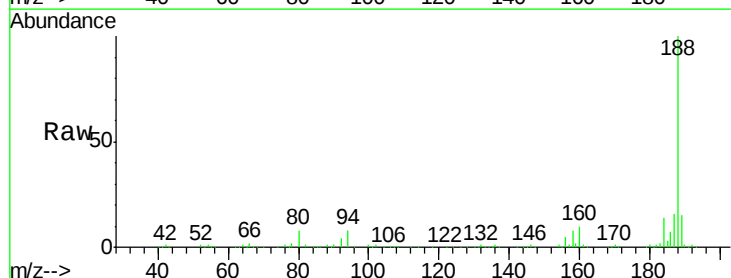
Tgt Ion:188 Resp: 403214

Ion Ratio Lower Upper

188 100

94 7.7 9.0 13.6#

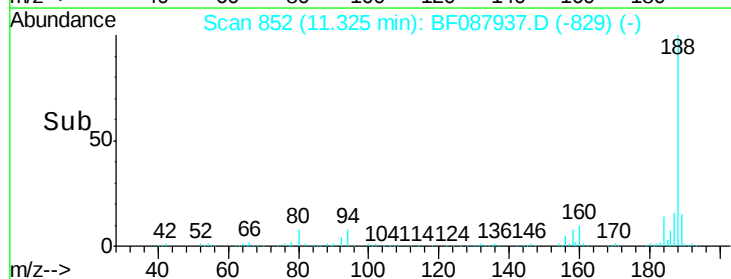
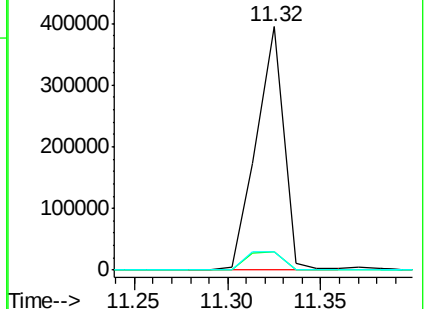
80 7.7 10.0 15.0#

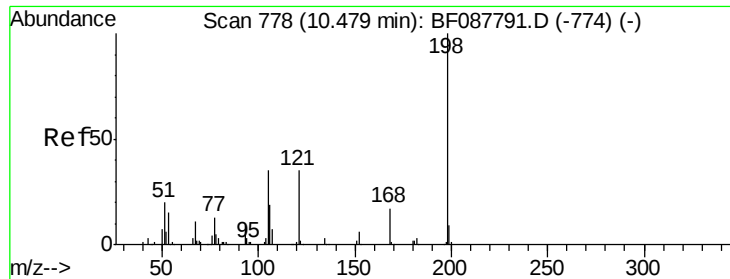


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

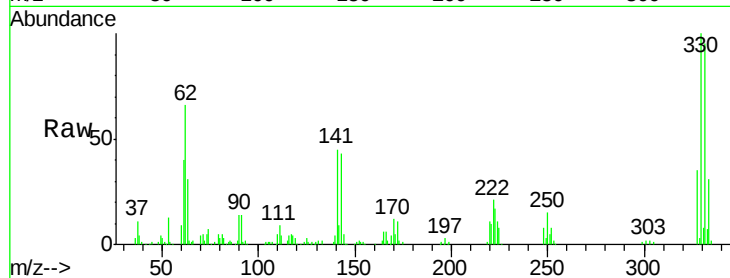




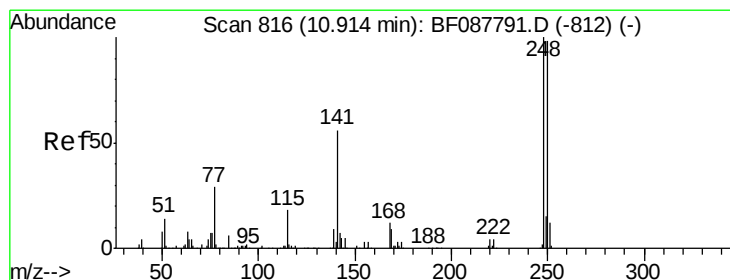
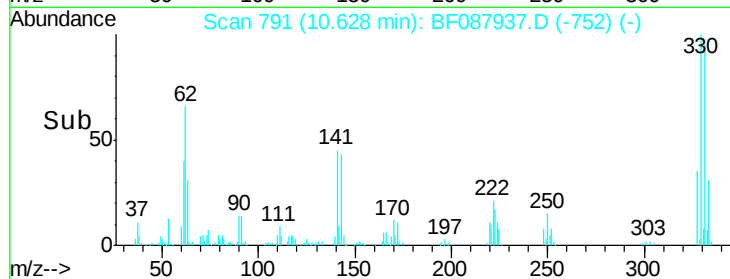
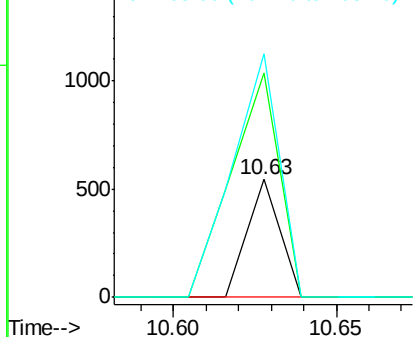
#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.30 ng
 RT: 10.63 min Scan# 791
 Delta R.T. 0.15 min
 Lab File: BF087937.D
 Acq: 12 Jun 2016 9:16

Instrument :
 BNA_F
 ClientSampleId :
 MW-5

Tgt Ion:198 Resp: 373
 Ion Ratio Lower Upper
 198 100
 51 190.4 39.6 79.6#
 105 207.0 36.6 76.6#

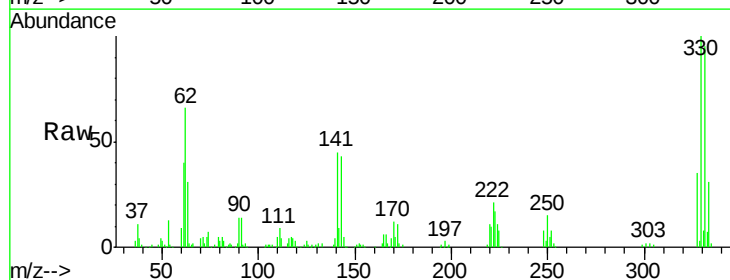


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

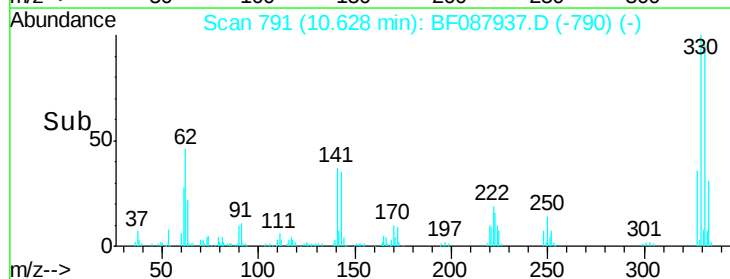
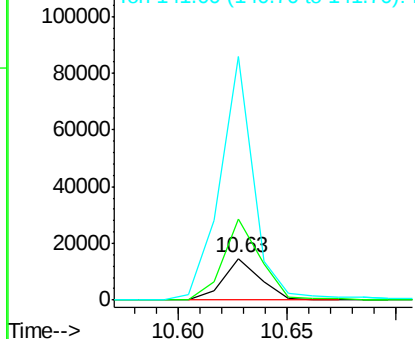


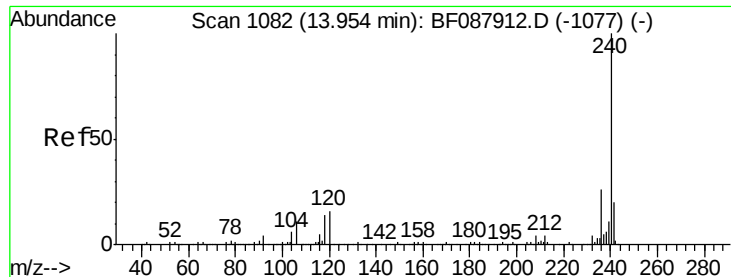
#66
 4-Bromophenyl-phenylether
 Concen: 3.94 ng
 RT: 10.63 min Scan# 791
 Delta R.T. -0.29 min
 Lab File: BF087937.D
 Acq: 12 Jun 2016 9:16

Tgt Ion:248 Resp: 17028
 Ion Ratio Lower Upper
 248 100
 250 193.7 77.1 115.7#
 141 582.2 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: BF087937.D

Acq: 12 Jun 2016 9:16

Instrument :

BNA_F

ClientSampleId :

MW-5

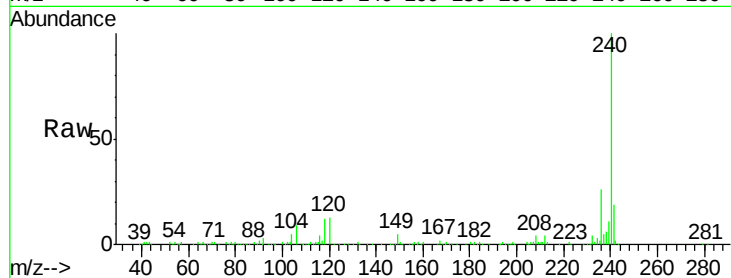
Tgt Ion:240 Resp: 312499

Ion Ratio Lower Upper

240 100

120 13.1 6.8 10.2#

236 25.9 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

13.95

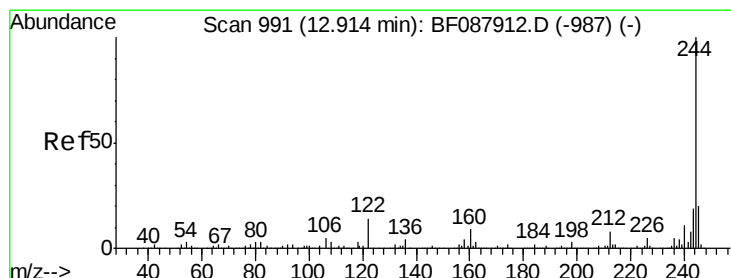
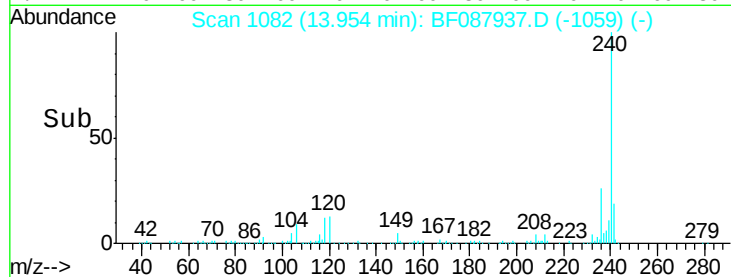
300000

200000

100000

0

Time-->



#78

Terphenyl-d14

Concen: 75.91 ng

RT: 12.91 min Scan# 991

Delta R.T. -0.03 min

Lab File: BF087937.D

Acq: 12 Jun 2016 9:16

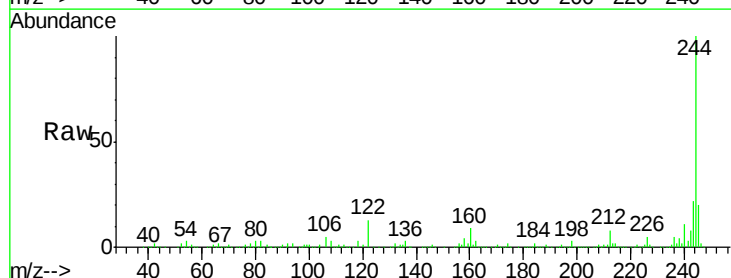
Tgt Ion:244 Resp: 1042465

Ion Ratio Lower Upper

244 100

212 7.8 6.0 9.0

122 13.4 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

12.91

1200000

1000000

800000

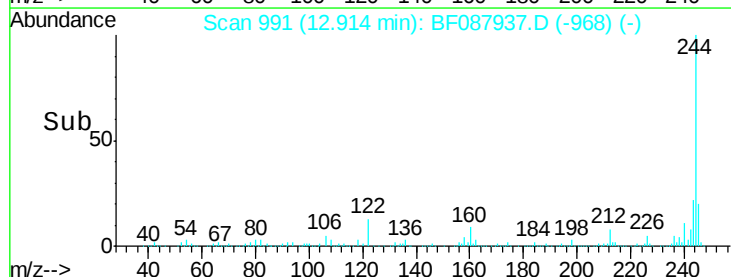
600000

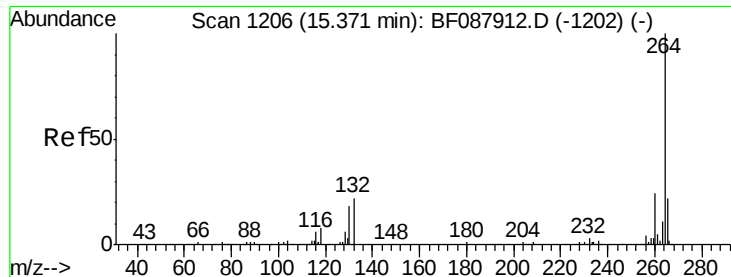
400000

200000

0

Time-->

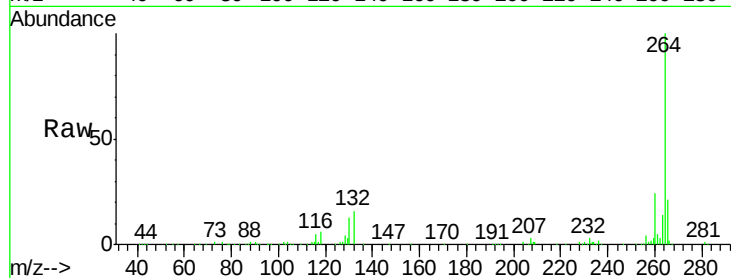




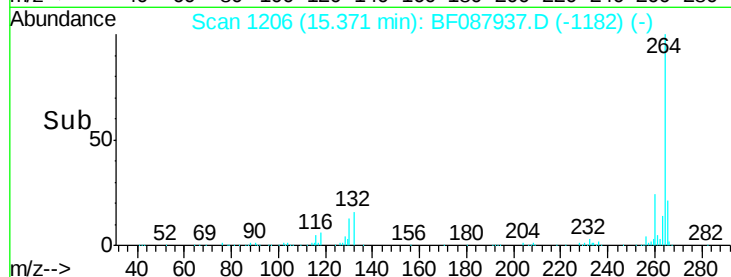
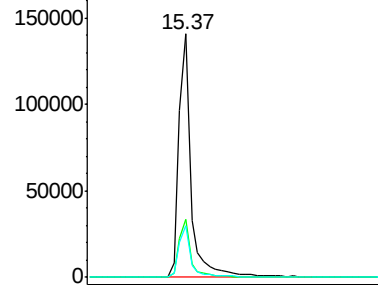
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.37 min Scan# 1206
Delta R.T. -0.02 min
Lab File: BF087937.D
Acq: 12 Jun 2016 9:16

Instrument :
BNA_F
ClientSampleId :
MW-5

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.0	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



Time-->