

Data Path : S:\HPCHEM1\BNA_F\DATA\BF060916\
 Data File : BF087850.D
 Acq On : 9 Jun 2016 14:07
 Operator : UM/SJ
 Sample : H3477-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1300-04-SW-06072016

Quant Time: Jun 09 14:40:58 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

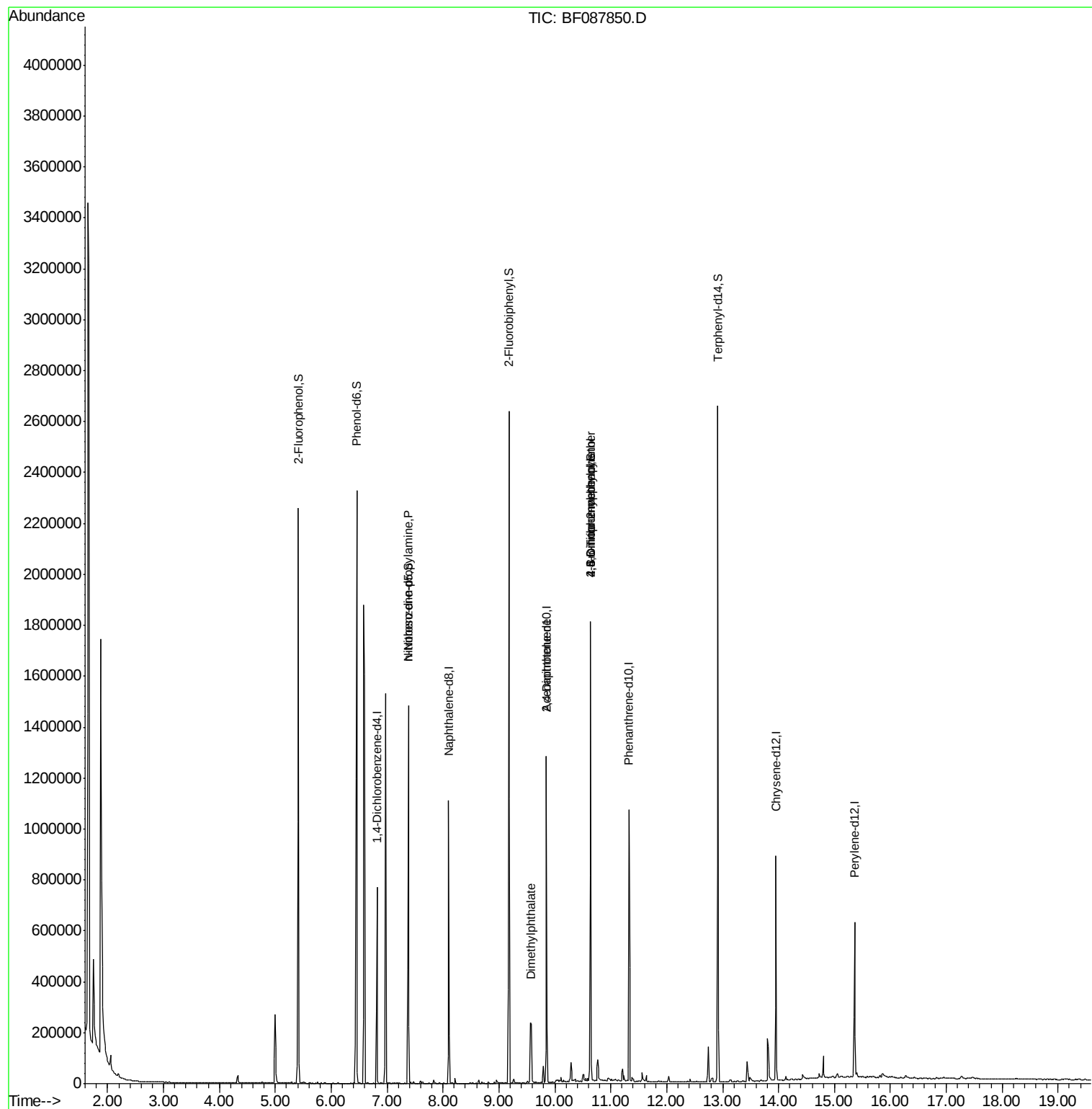
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	128612	20.00	ng	-0.02
21) Naphthalene-d8	8.10	136	487420	20.00	ng	-0.02
38) Acenaphthene-d10	9.85	164	236480	20.00	ng	-0.03
63) Phenanthrene-d10	11.33	188	424728	20.00	ng	-0.03
75) Chrysene-d12	13.95	240	291250	20.00	ng	-0.03
86) Perylene-d12	15.36	264	255995	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	704496	93.64	ng	-0.01
7) Phenol-d6	6.46	99	955119	104.76	ng	-0.02
23) Nitrobenzene-d5	7.38	82	515927	61.81	ng	-0.03
41) 2,4,6-Tribromophenol	10.64	330	231471	92.70	ng	-0.03
44) 2-Fluorobiphenyl	9.18	172	1000136	65.15	ng	-0.03
78) Terphenyl-d14	12.91	244	821007	64.15	ng	-0.03
Target Compounds						
10) Phenol	6.47	94	5771	Below Cal		Qvalue 97
19) n-Nitroso-di-n-propylamine	7.38	70	67460	11.57 ng	#	74
45) 1,1'-Biphenyl	9.18	154	1732	Below Cal	#	1
49) Dimethylphthalate	9.58	163	154078	8.99 ng		97
56) 2,4-Dinitrotoluene	9.85	165	30692	6.09 ng	#	37
57) Fluorene	10.64	166	11833	Below Cal	#	91
64) 4,6-Dinitro-2-methylphenol	10.64	198	394	2.30 ng	#	1
66) 4-Bromophenyl-phenylether	10.64	248	14802	3.25 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: 6.82 min Scan# 458

Delta R.T. -0.02 min

Lab File: BF087850.D

Acq: 9 Jun 2016 14:07

Instrument :

BNA_F

ClientSampleId :

1300-04-SW-06072016

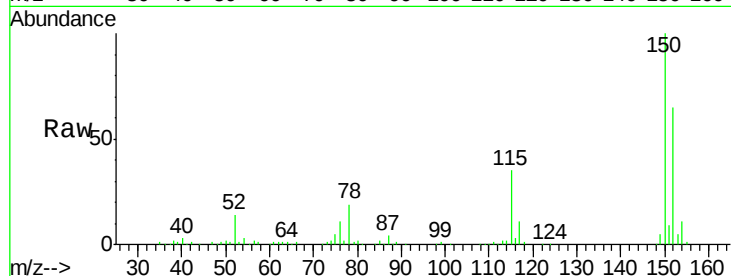
Tgt Ion:152 Resp: 128612

Ion Ratio Lower Upper

152 100

150 154.0 123.8 185.6

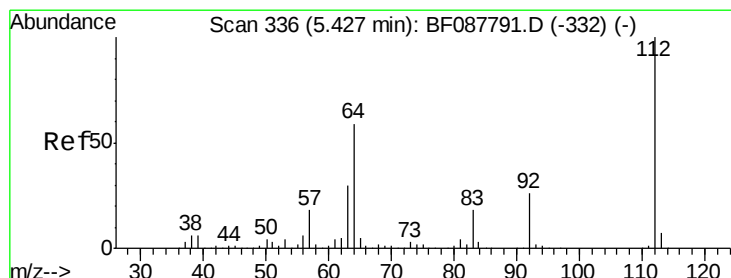
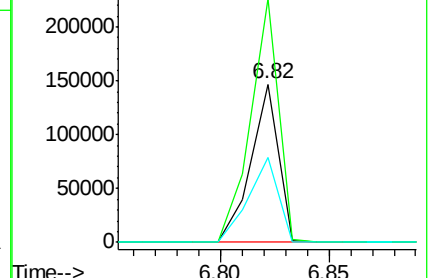
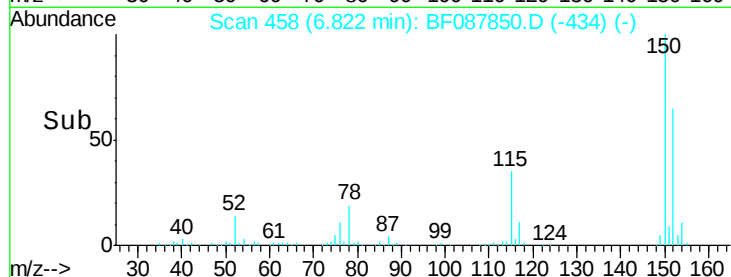
115 53.6 39.6 59.4



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: 93.64 ng

RT: 5.42 min Scan# 335

Delta R.T. -0.01 min

Lab File: BF087850.D

Acq: 9 Jun 2016 14:07

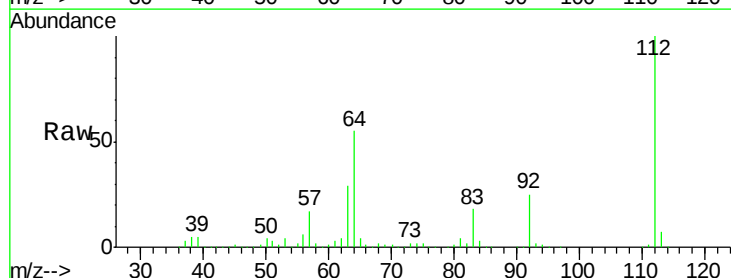
Tgt Ion:112 Resp: 704496

Ion Ratio Lower Upper

112 100

64 54.7 42.2 63.2

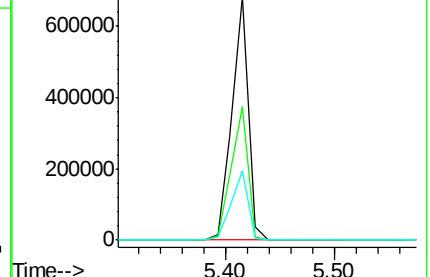
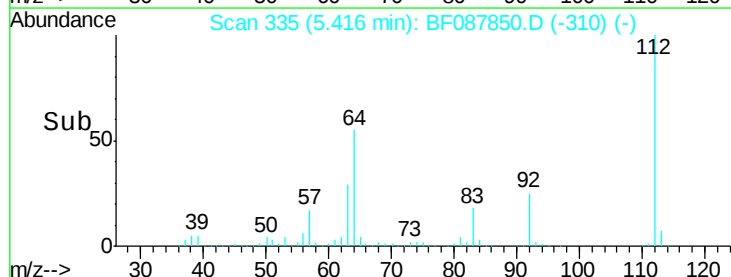
63 28.7 21.8 32.8



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: 104.76 ng

RT: 6.46 min Scan# 426

Delta R.T. -0.02 min

Lab File: BF087850.D

Acq: 9 Jun 2016 14:07

Instrument :

BNA_F

ClientSampleId :

1300-04-SW-06072016

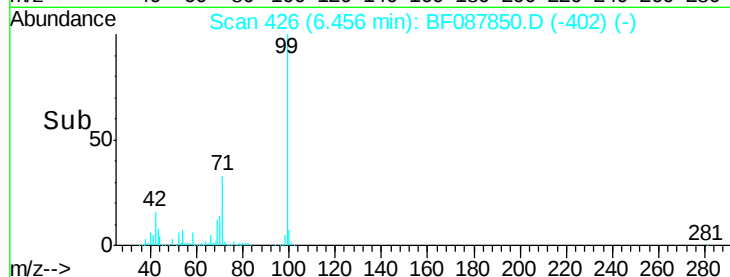
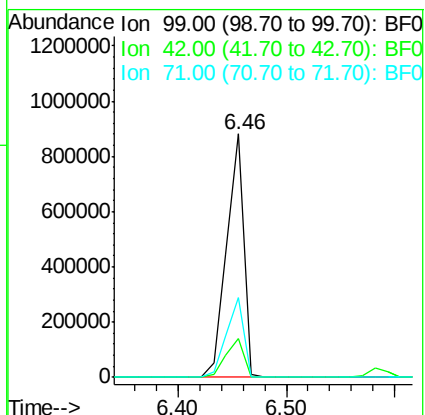
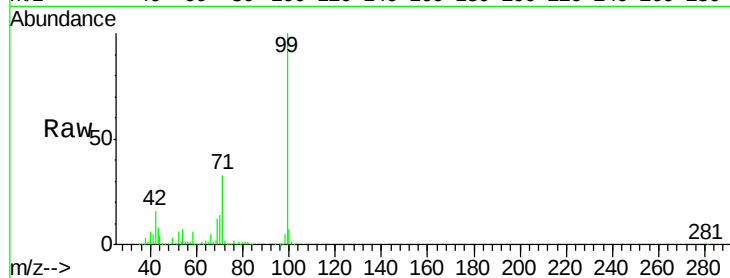
Tgt Ion: 99 Resp: 955119

Ion Ratio Lower Upper

99 100

42 16.1 12.2 18.2

71 33.0 23.4 35.0



#19

n-Nitroso-di-n-propylamine

Concen: 11.57 ng

RT: 7.38 min Scan# 507

Delta R.T. 0.11 min

Lab File: BF087850.D

Acq: 9 Jun 2016 14:07

Tgt Ion: 70 Resp: 67460

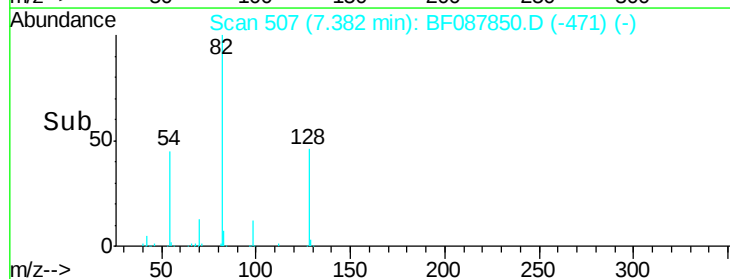
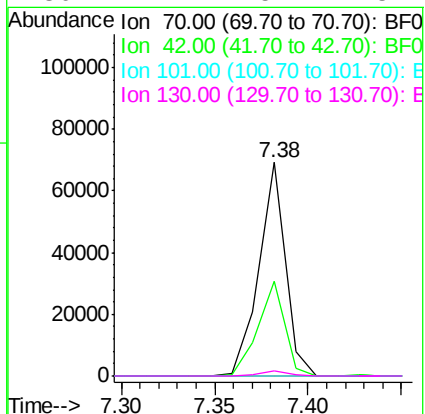
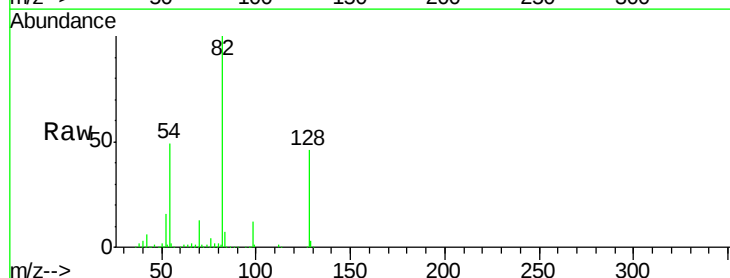
Ion Ratio Lower Upper

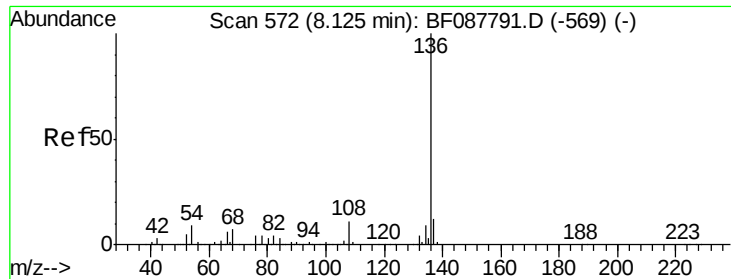
70 100

42 44.5 49.6 74.4#

101 0.0 7.1 10.7#

130 2.2 15.4 23.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 570

Delta R.T. -0.02 min

Lab File: BF087850.D

Acq: 9 Jun 2016 14:07

Instrument :

BNA_F

ClientSampleId :

1300-04-SW-06072016

Tgt Ion: 136 Resp: 487420

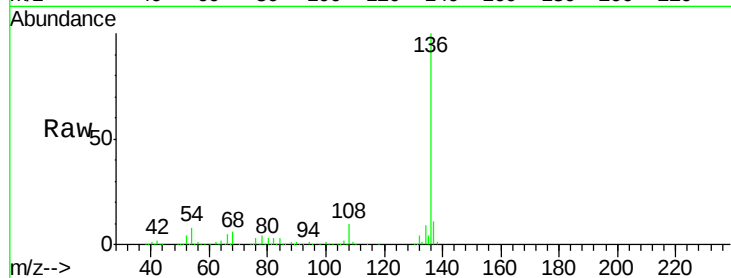
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 8.2 6.6 10.0

68 6.5 5.1 7.7

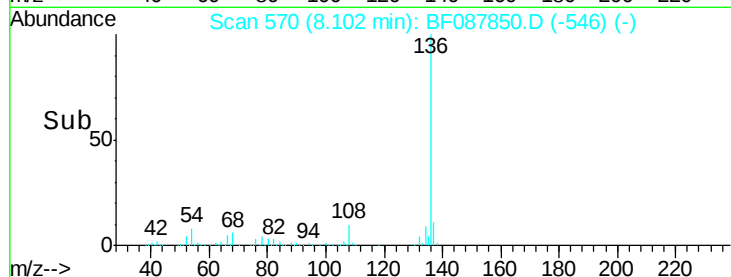


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

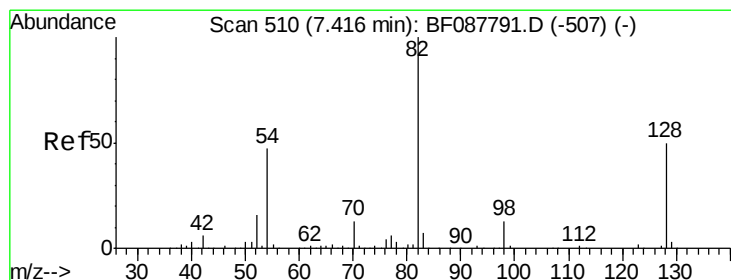
Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->

8.10



#23

Nitrobenzene-d5

Concen: 61.81 ng

RT: 7.38 min Scan# 507

Delta R.T. -0.03 min

Lab File: BF087850.D

Acq: 9 Jun 2016 14:07

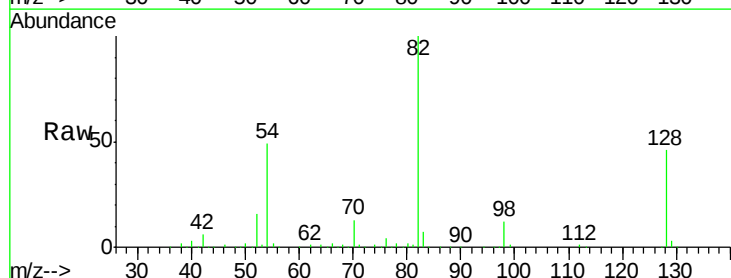
Tgt Ion: 82 Resp: 515927

Ion Ratio Lower Upper

82 100

128 45.8 35.9 53.9

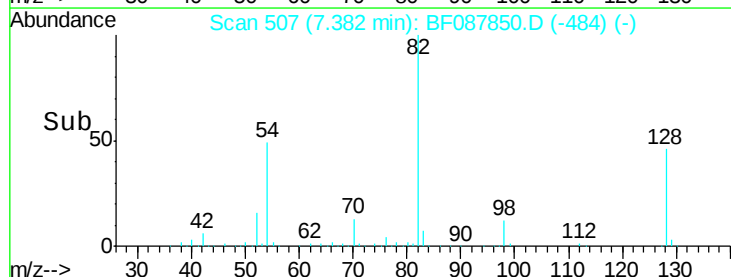
54 49.2 40.9 61.3



Abundance Ion 82.00 (81.70 to 82.70): BF0

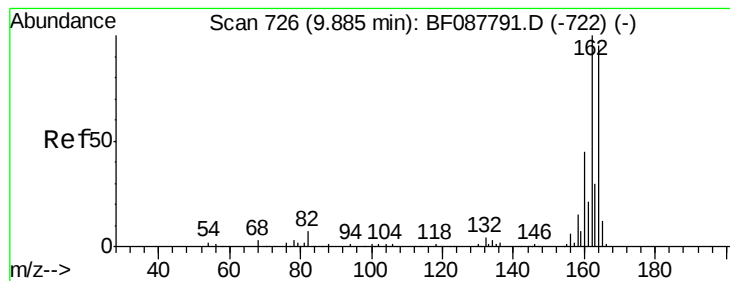
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->

7.38



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 723

Delta R.T. -0.03 min

Lab File: BF087850.D

Acq: 9 Jun 2016 14:07

Instrument :

BNA_F

ClientSampleId :

1300-04-SW-06072016

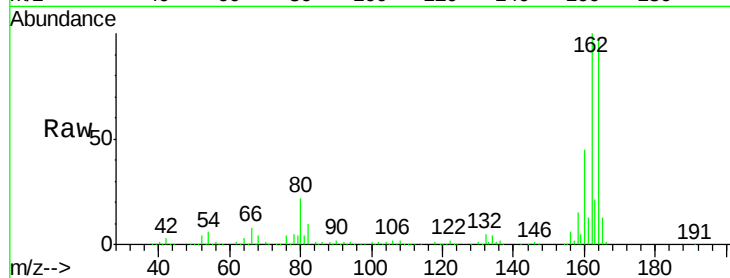
Tgt Ion:164 Resp: 236480

Ion Ratio Lower Upper

164 100

162 103.3 85.4 128.2

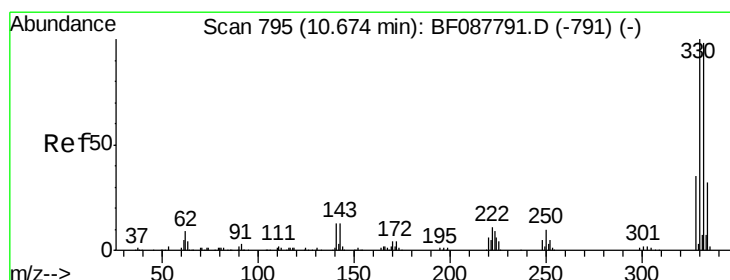
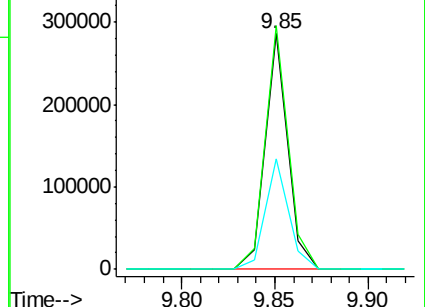
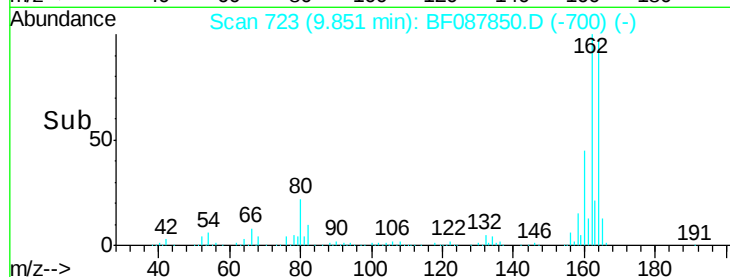
160 46.7 39.5 59.3



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: 92.70 ng

RT: 10.64 min Scan# 792

Delta R.T. -0.03 min

Lab File: BF087850.D

Acq: 9 Jun 2016 14:07

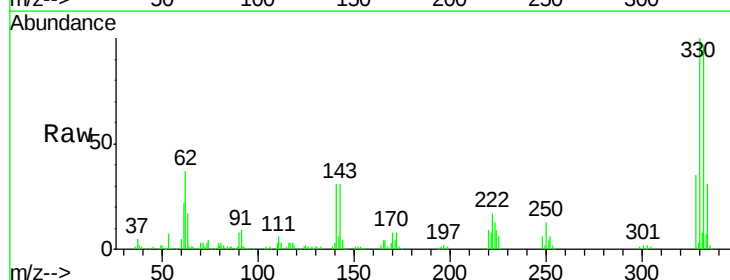
Tgt Ion:330 Resp: 231471

Ion Ratio Lower Upper

330 100

332 97.0 0.0 0.0#

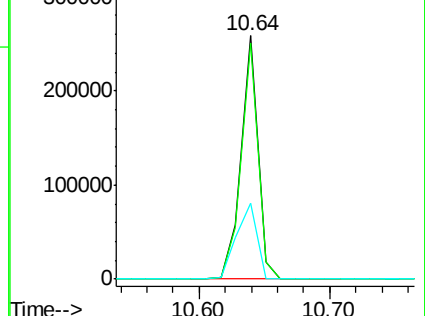
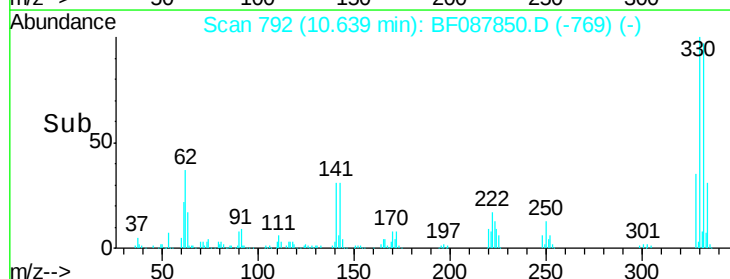
141 37.9 0.0 0.0#



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

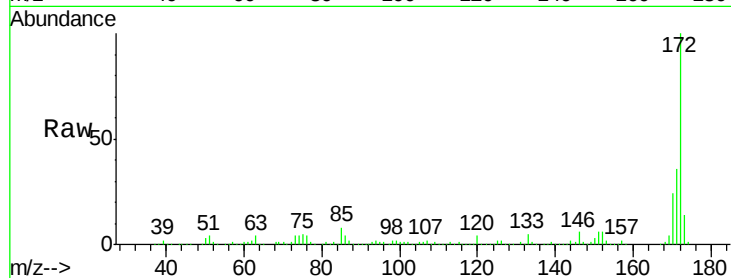




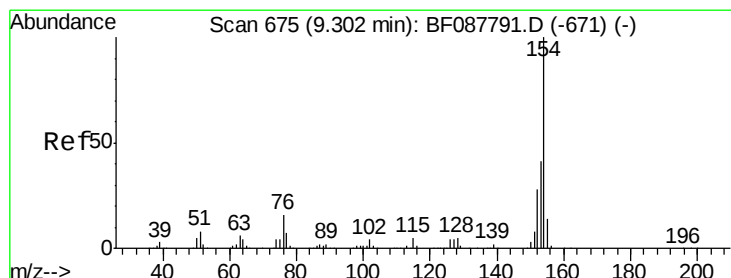
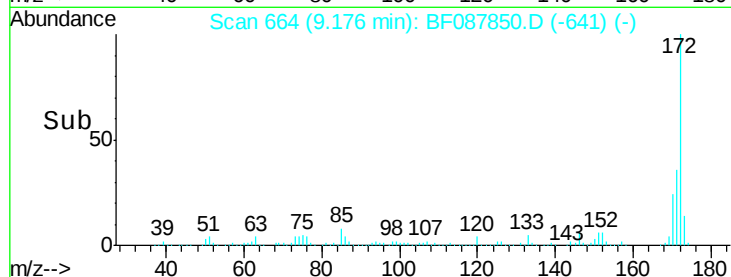
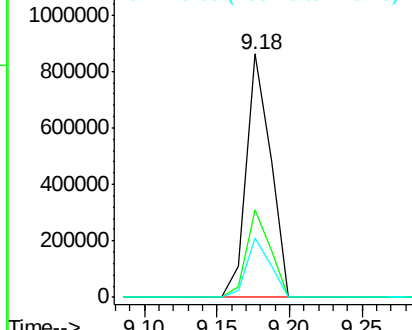
#44
2-Fluorobiphenyl
Concen: 65.15 ng
RT: 9.18 min Scan# 664
Delta R.T. -0.03 min
Lab File: BF087850.D
Acq: 9 Jun 2016 14:07

Instrument :
BNA_F
ClientSampleId :
1300-04-SW-06072016

Tgt Ion:172 Resp: 1000136
Ion Ratio Lower Upper
172 100
171 36.0 28.6 43.0
170 24.1 19.2 28.8

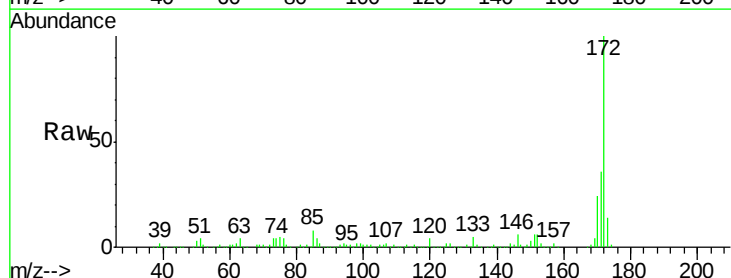


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

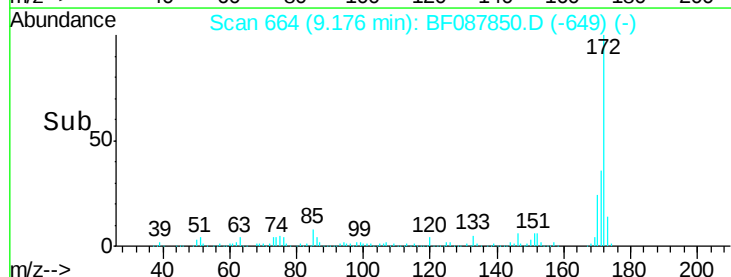
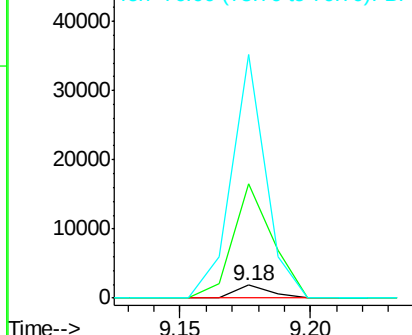


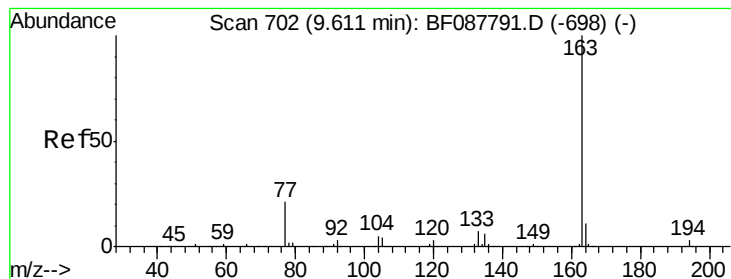
#45
1,1'-Biphenyl
Concen: Below Cal
RT: 9.18 min Scan# 664
Delta R.T. -0.12 min
Lab File: BF087850.D
Acq: 9 Jun 2016 14:07

Tgt Ion:154 Resp: 1732
Ion Ratio Lower Upper
154 100
153 883.2 20.6 60.6#
76 1879.2 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





#49

Dimethylphthalate

Concen: 8.99 ng

RT: 9.58 min Scan# 699

Delta R.T. -0.03 min

Lab File: BF087850.D

Acq: 9 Jun 2016 14:07

Instrument :

BNA_F

ClientSampleId :

1300-04-SW-06072016

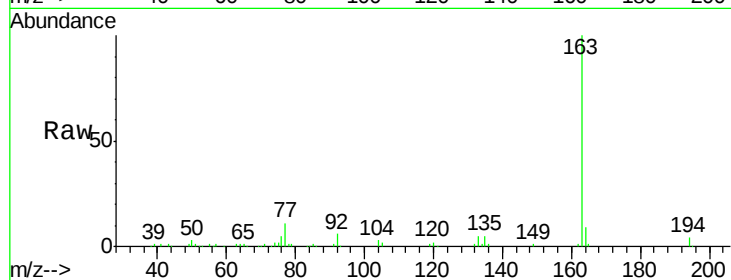
Tgt Ion:163 Resp: 154078

Ion Ratio Lower Upper

163 100

194 3.9 2.8 4.2

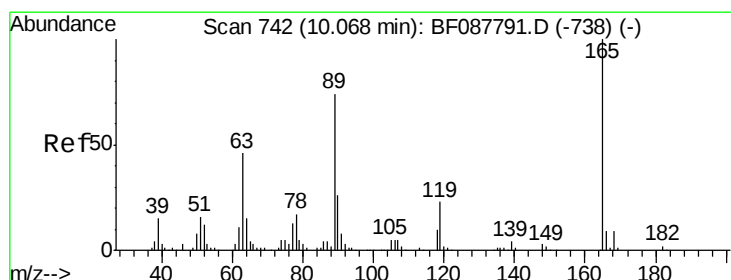
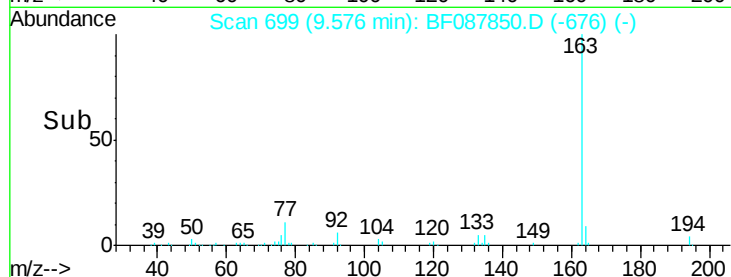
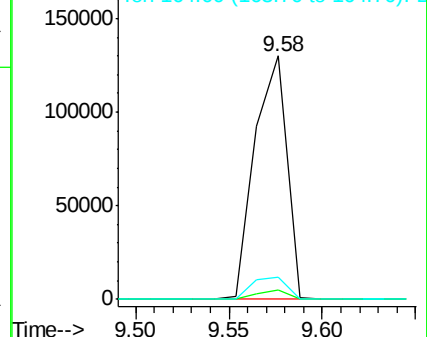
164 9.2 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#56

2,4-Dinitrotoluene

Concen: 6.09 ng

RT: 9.85 min Scan# 723

Delta R.T. -0.22 min

Lab File: BF087850.D

Acq: 9 Jun 2016 14:07

Tgt Ion:165 Resp: 30692

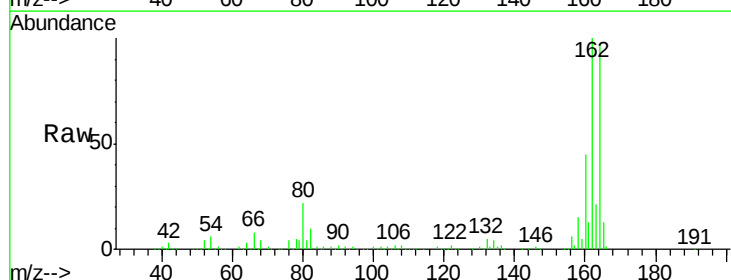
Ion Ratio Lower Upper

165 100

63 1.1 22.0 33.0#

89 1.4 41.1 61.7#

182 0.0 2.0 3.0#

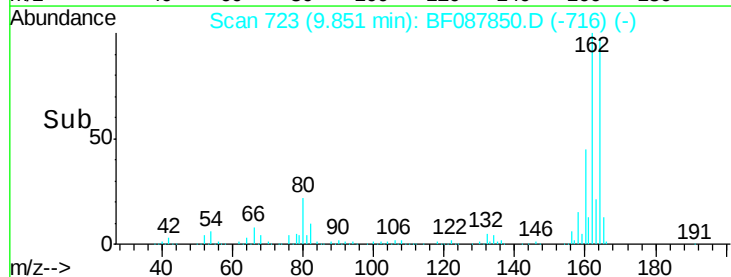
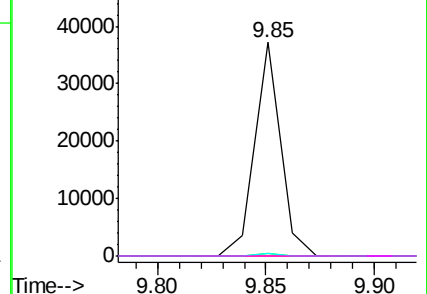


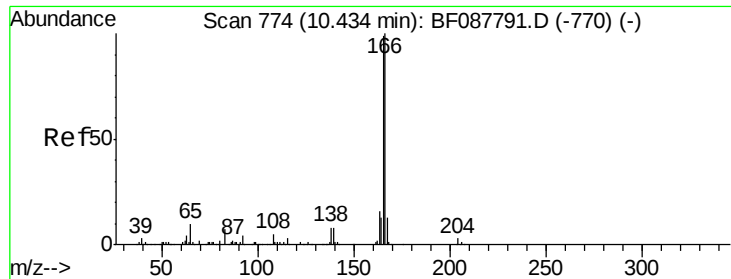
Abundance Ion 165.00 (164.70 to 165.70): E

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: 10.64 min Scan# 792

Delta R.T. 0.21 min

Lab File: BF087850.D

Acq: 9 Jun 2016 14:07

Instrument :

BNA_F

ClientSampleId :

1300-04-SW-06072016

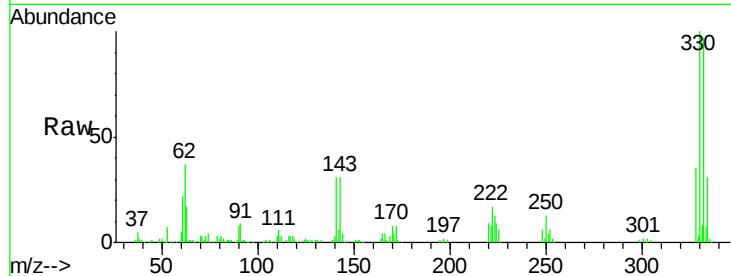
Tgt Ion:166 Resp: 11833

Ion Ratio Lower Upper

166 100

165 100.7 77.8 116.8

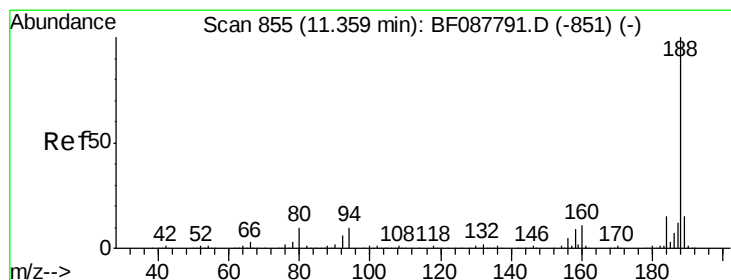
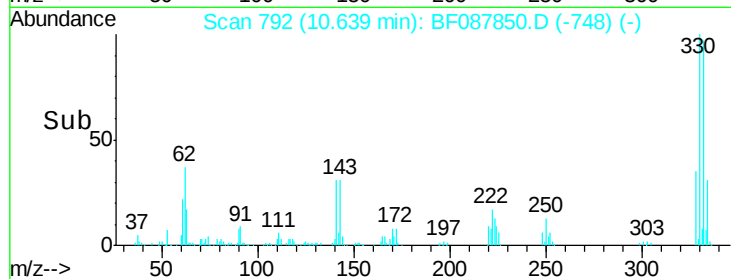
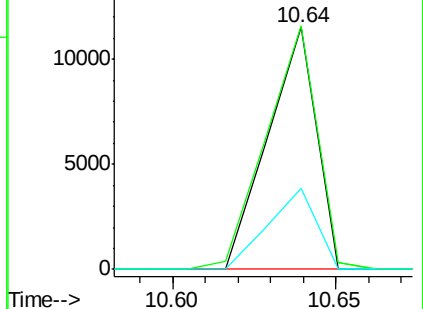
167 33.5 11.2 16.8#



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: 11.33 min Scan# 852

Delta R.T. -0.03 min

Lab File: BF087850.D

Acq: 9 Jun 2016 14:07

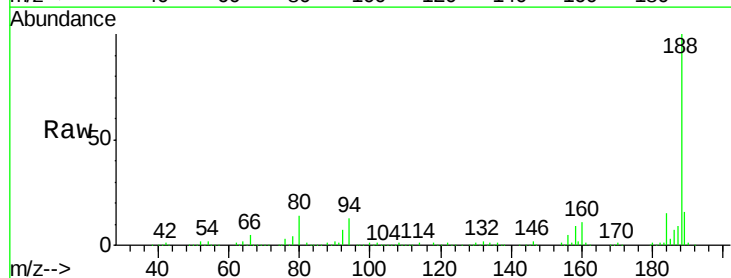
Tgt Ion:188 Resp: 424728

Ion Ratio Lower Upper

188 100

94 13.2 9.0 13.6

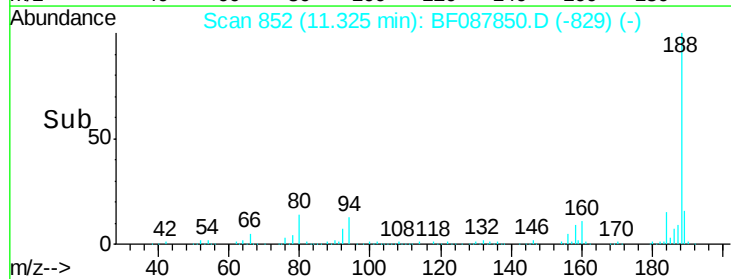
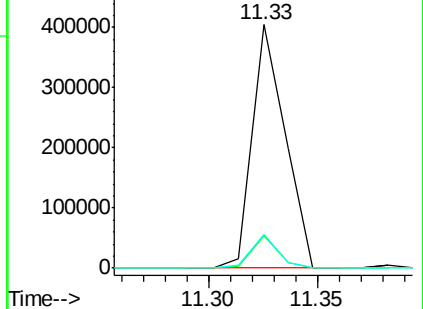
80 14.0 10.0 15.0

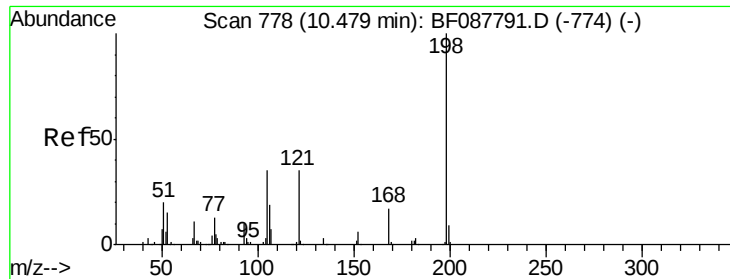


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

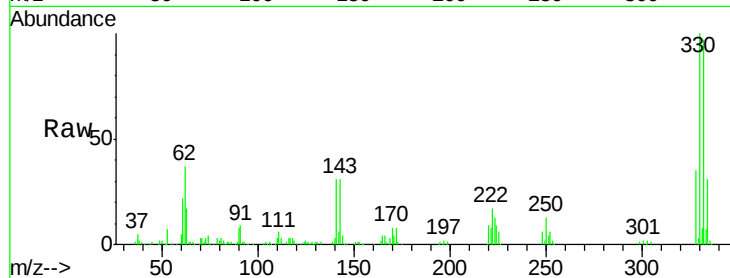




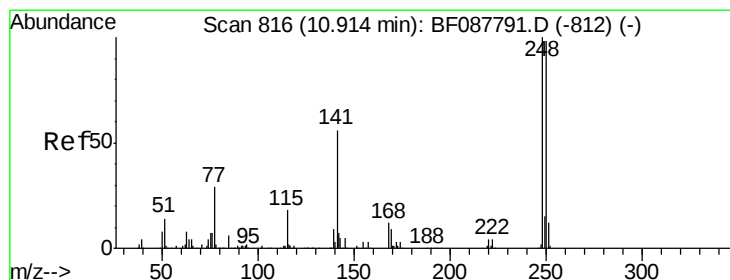
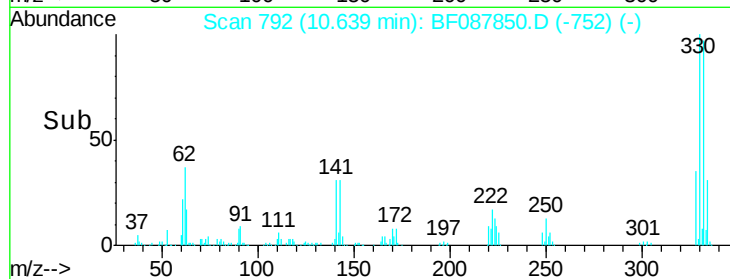
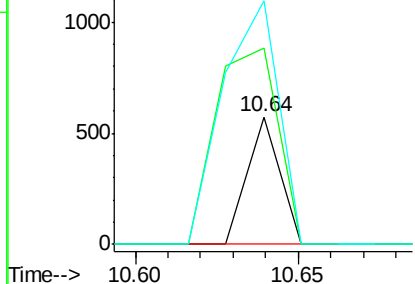
#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.30 ng
 RT: 10.64 min Scan# 792
 Delta R.T. 0.16 min
 Lab File: BF087850.D
 Acq: 9 Jun 2016 14:07

Instrument :
 BNA_F
 ClientSampleId :
 1300-04-SW-06072016

Tgt Ion:198 Resp: 394
 Ion Ratio Lower Upper
 198 100
 51 154.0 39.6 79.6#
 105 190.9 36.6 76.6#

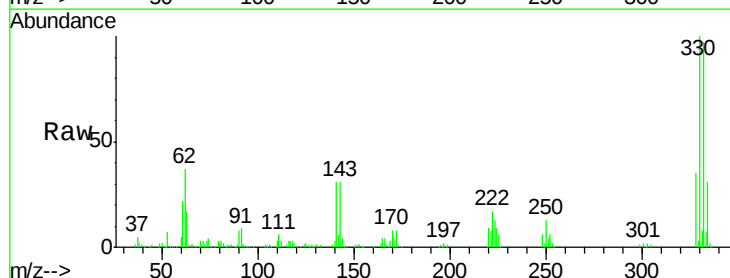


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

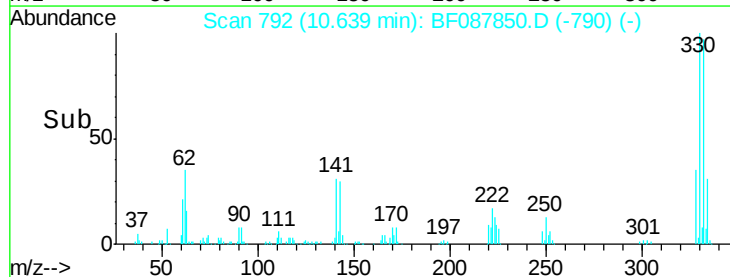
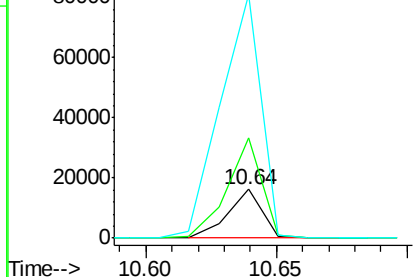


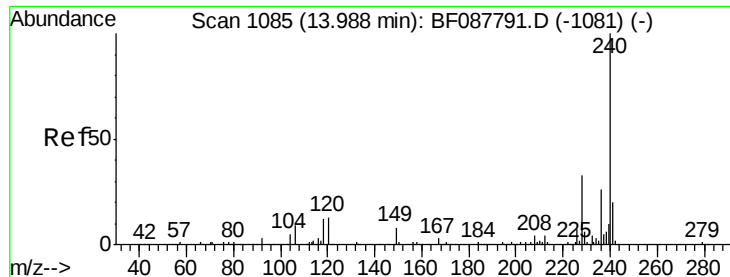
#66
 4-Bromophenyl-phenylether
 Concen: 3.25 ng
 RT: 10.64 min Scan# 792
 Delta R.T. -0.27 min
 Lab File: BF087850.D
 Acq: 9 Jun 2016 14:07

Tgt Ion:248 Resp: 14802
 Ion Ratio Lower Upper
 248 100
 250 205.4 77.1 115.7#
 141 498.3 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: BF087850.D

Acq: 9 Jun 2016 14:07

Instrument :

BNA_F

ClientSampleId :

1300-04-SW-06072016

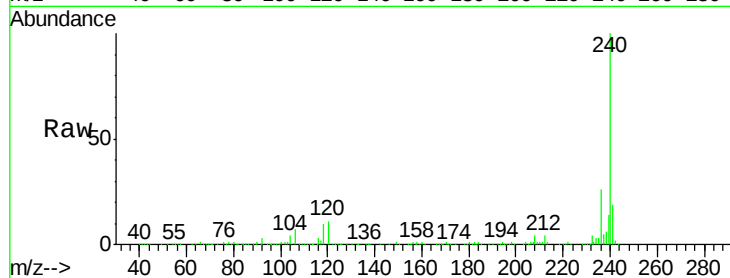
Tgt Ion:240 Resp: 291250

Ion Ratio Lower Upper

240 100

120 10.9 6.8 10.2#

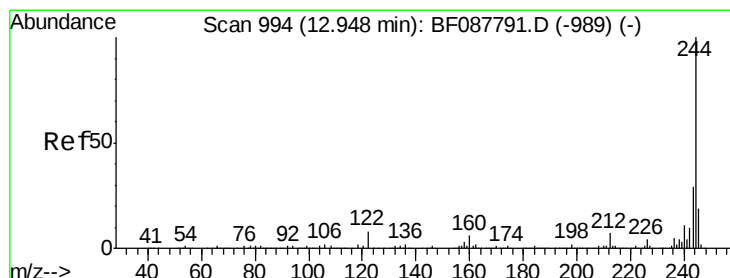
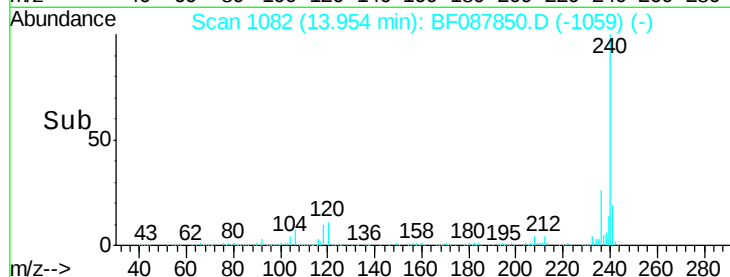
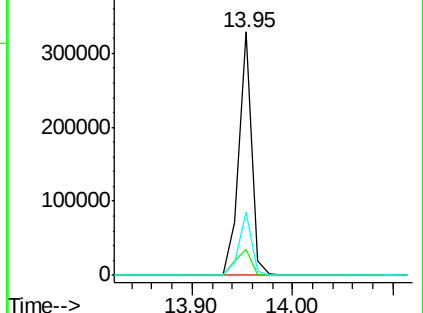
236 25.8 20.2 30.2



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: 64.15 ng

RT: 12.91 min Scan# 991

Delta R.T. -0.03 min

Lab File: BF087850.D

Acq: 9 Jun 2016 14:07

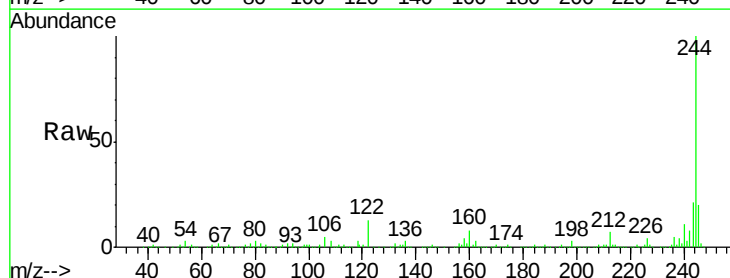
Tgt Ion:244 Resp: 821007

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

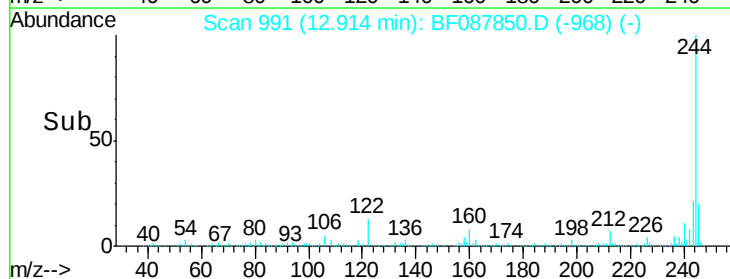
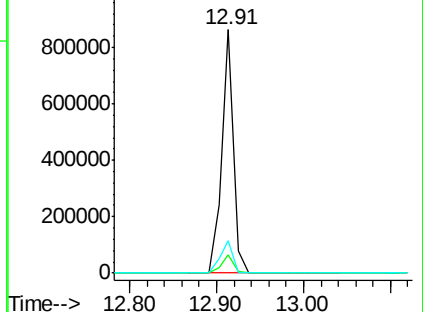
122 13.5 11.2 16.8

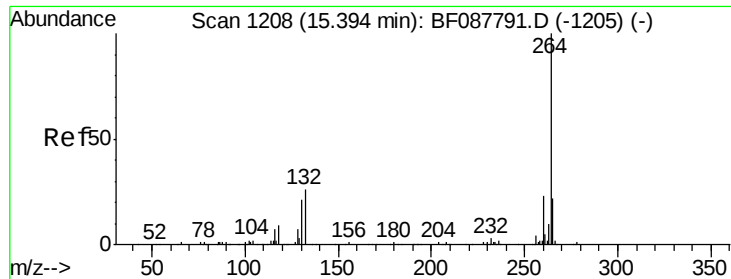


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.36 min Scan# 1205
Delta R.T. -0.03 min
Lab File: BF087850.D
Acq: 9 Jun 2016 14:07

Instrument :
BNA_F
ClientSampleId :
1300-04-SW-06072016

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.6	16.9	25.3

