

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061116\
 Data File : BF087911.D
 Acq On : 11 Jun 2016 19:34
 Operator : UM/SJ
 Sample : H3887-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP16-LF2MW4-9007

Quant Time: Jun 12 05:31:02 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	107728	20.00	ng	-0.05
21) Naphthalene-d8	8.09	136	457087	20.00	ng	-0.03
38) Acenaphthene-d10	9.84	164	173555	20.00	ng	-0.05
63) Phenanthrene-d10	11.32	188	396374	20.00	ng	-0.03
75) Chrysene-d12	13.95	240	312646	20.00	ng	-0.03
86) Perylene-d12	15.37	264	269656	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.38	112	373751	59.31	ng	-0.05
7) Phenol-d6	6.43	99	273491	35.81	ng	-0.05
23) Nitrobenzene-d5	7.37	82	714345	91.26	ng	-0.05
41) 2,4,6-Tribromophenol	10.64	330	284607	155.31	ng	-0.03
44) 2-Fluorobiphenyl	9.18	172	1259423	116.02	ng	-0.03
78) Terphenyl-d14	12.91	244	967356	70.41	ng	-0.03

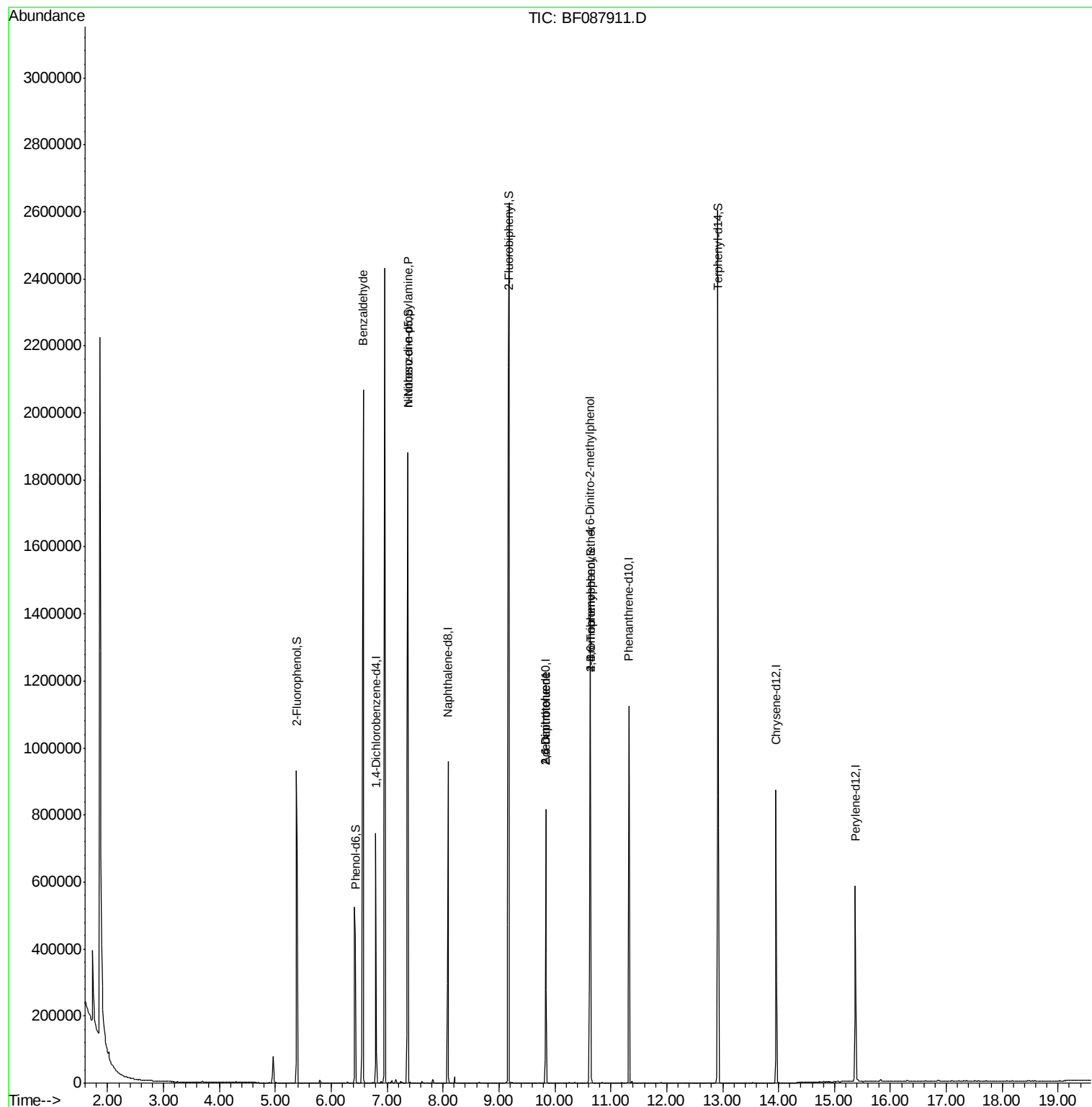
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.57	77	15764	2.89	ng	# 77
10) Phenol	6.57	94	1350	Below	Cal	# 1
19) n-Nitroso-di-n-propylamine	7.37	70	94801	19.40	ng	# 71
45) 1,1'-Biphenyl	9.18	154	2549	Below	Cal	# 1
50) 2,6-Dinitrotoluene	9.84	165	21933	7.62	ng	# 37
56) 2,4-Dinitrotoluene	9.84	165	21934	5.93	ng	# 36
57) Fluorene	10.63	166	12656	Below	Cal	# 90
64) 4,6-Dinitro-2-methylphenol	10.63	198	590	2.39	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	17963	4.22	ng	# 1

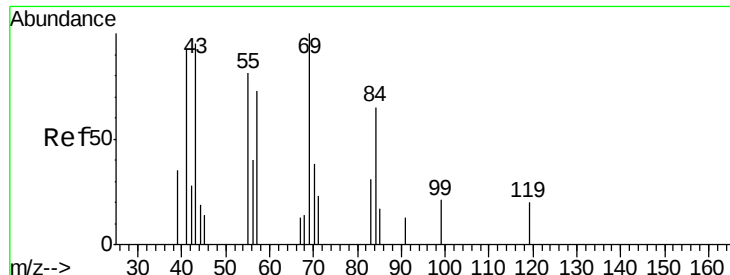
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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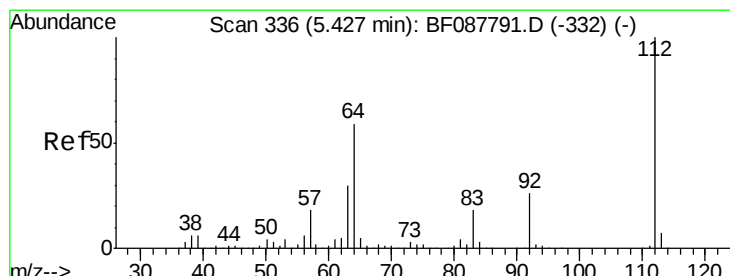
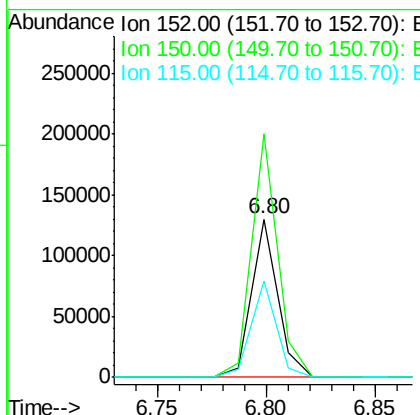
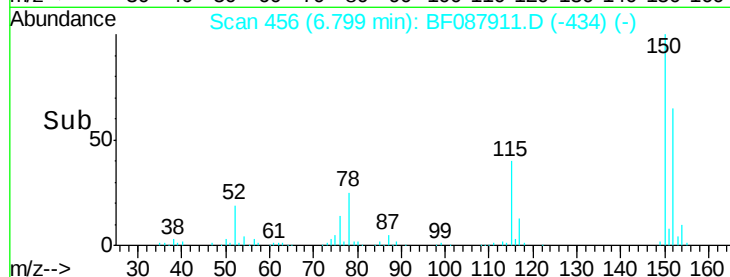
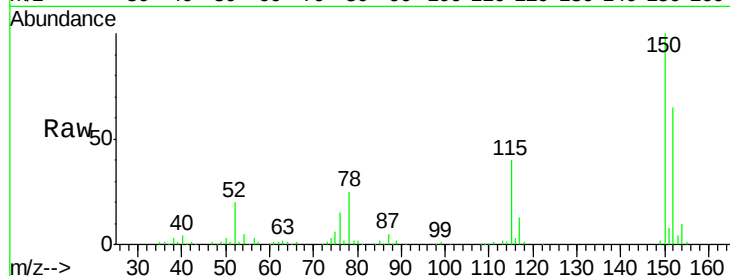




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.80 min Scan# 456
 Delta R.T. -0.05 min
 Lab File: BF087911.D
 Acq: 11 Jun 2016 19:34

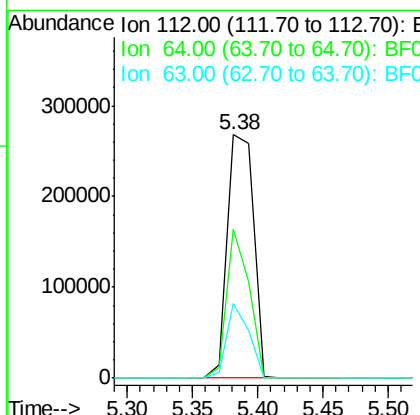
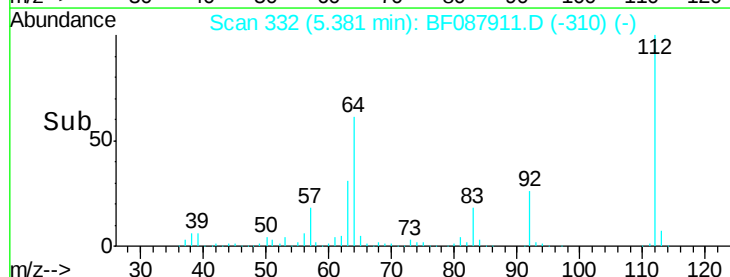
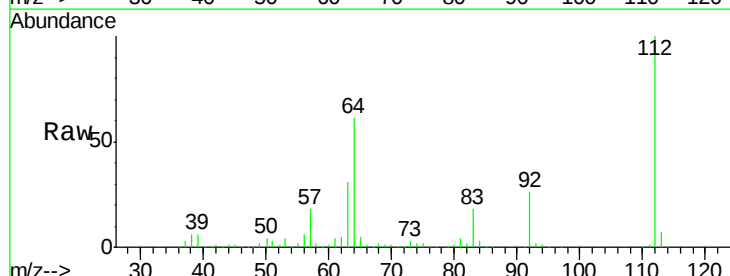
Instrument :
 BNA_F
 ClientSampleId :
 SP16-LF2MW4-9007

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.1	123.8	185.6
115	61.4	39.6	59.4



#5
 2-Fluorophenol
 Concen: 59.31 ng
 RT: 5.38 min Scan# 332
 Delta R.T. -0.05 min
 Lab File: BF087911.D
 Acq: 11 Jun 2016 19:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.9	42.2	63.2
63	30.5	21.8	32.8





#7

Phenol-d6

Concen: 35.81 ng

RT: 6.43 min Scan# 424

Delta R.T. -0.05 min

Lab File: BF087911.D

Acq: 11 Jun 2016 19:34

Instrument :

BNA_F

ClientSampleId :

SP16-LF2MW4-9007

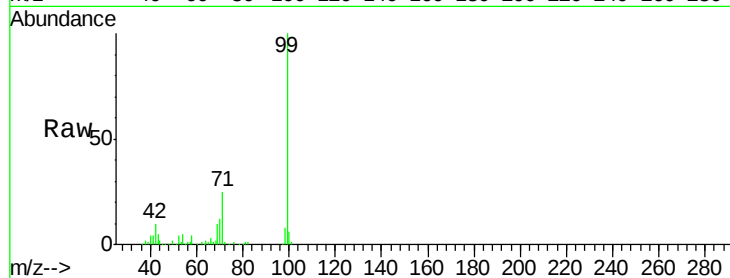
Tot Ion: 99 Resp: 273491

Ion Ratio Lower Upper

99 100

42 10.4 12.2 18.2#

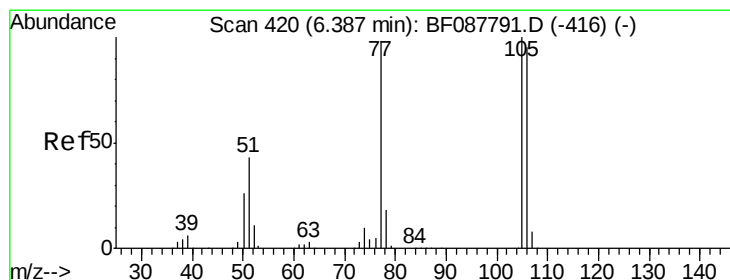
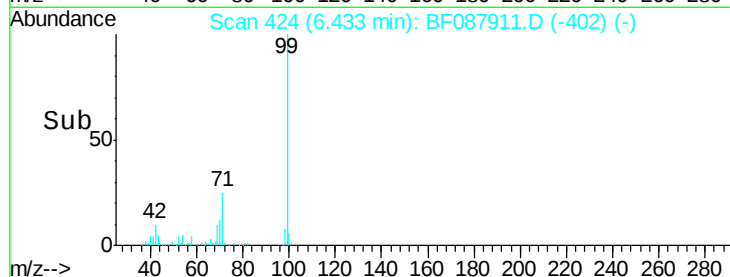
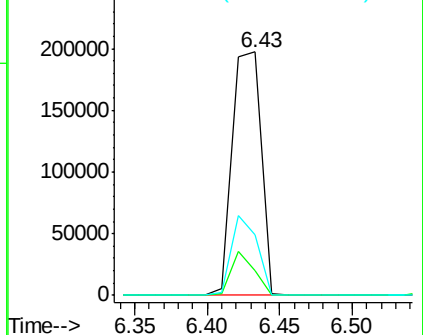
71 24.7 23.4 35.0



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



#9

Benzaldehyde

Concen: 2.89 ng

RT: 6.57 min Scan# 436

Delta R.T. 0.18 min

Lab File: BF087911.D

Acq: 11 Jun 2016 19:34

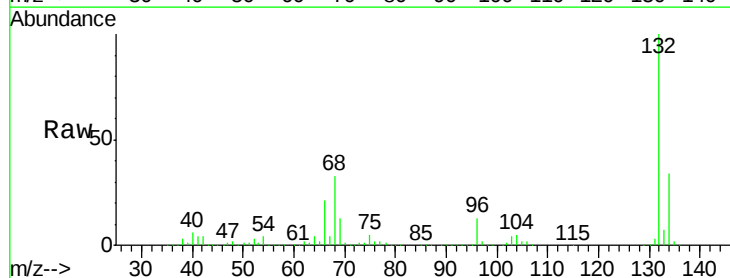
Tgt Ion: 77 Resp: 15764

Ion Ratio Lower Upper

77 100

105 87.4 90.6 130.6#

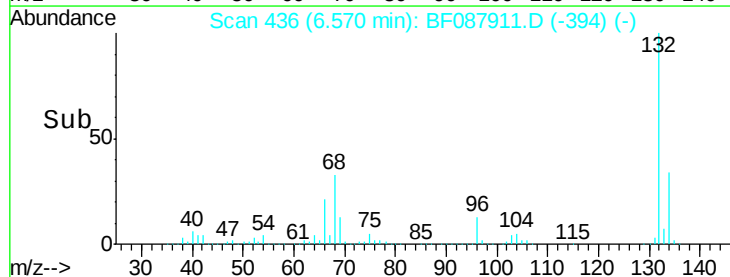
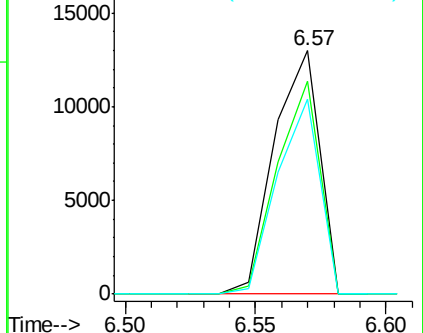
106 80.3 85.3 125.3#

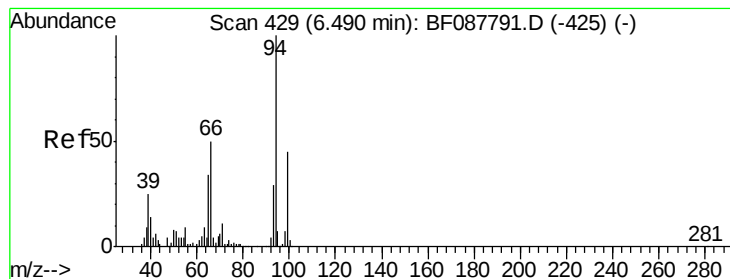


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: Below Cal

RT: 6.57 min Scan# 436

Delta R.T. 0.08 min

Lab File: BF087911.D

Acq: 11 Jun 2016 19:34

Instrument :

BNA_F

ClientSampleId :

SP16-LF2MW4-9007

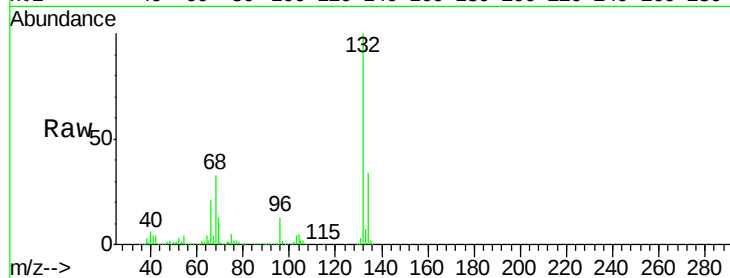
Tot Ion: 94 Resp: 1350

Ion Ratio Lower Upper

94 100

65 1053.8 5.9 45.9#

66 12309.0 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

150000

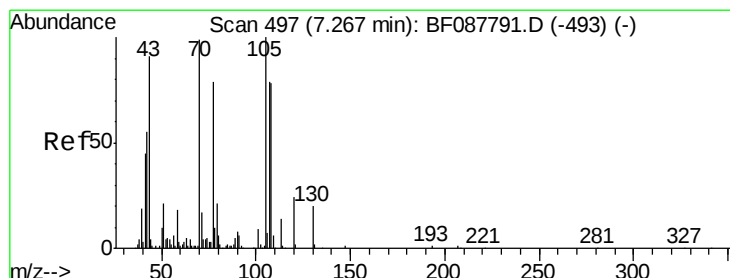
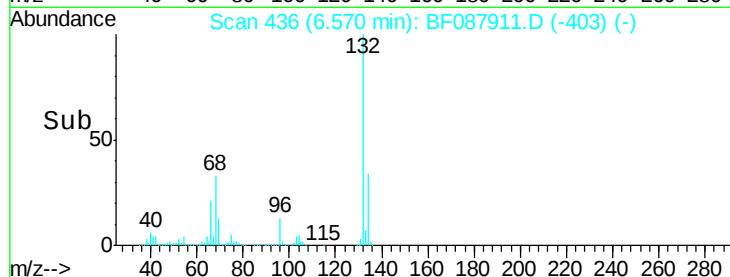
100000

50000

0

6.57

Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 19.40 ng

RT: 7.37 min Scan# 506

Delta R.T. 0.10 min

Lab File: BF087911.D

Acq: 11 Jun 2016 19:34

Tgt Ion: 70 Resp: 94801

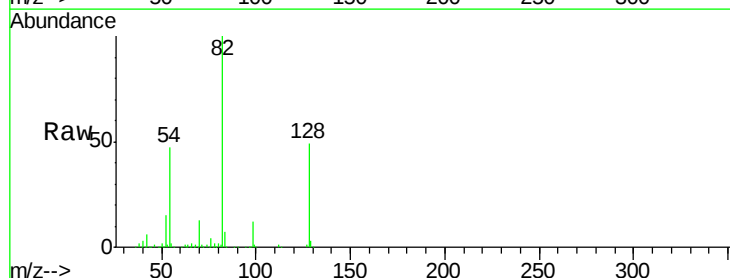
Ion Ratio Lower Upper

70 100

42 41.6 49.6 74.4#

101 0.0 7.1 10.7#

130 2.4 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

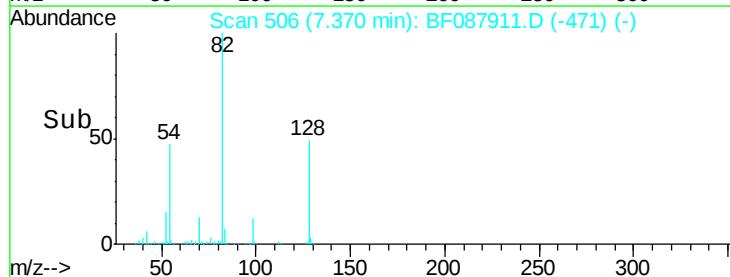
100000

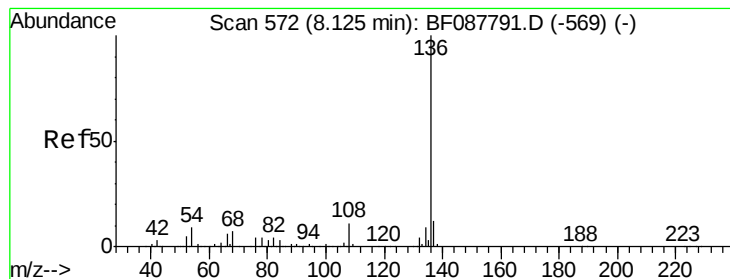
50000

0

7.37

Time-->





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 569

Delta R.T. -0.03 min

Lab File: BF087911.D

Acq: 11 Jun 2016 19:34

Instrument :

BNA_F

ClientSampleId :

SP16-LF2MW4-9007

Tot Ion:136 Resp: 457087

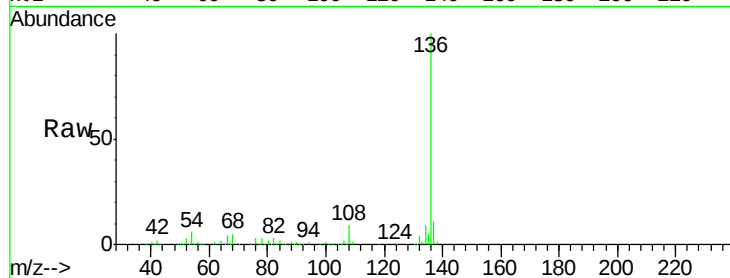
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 6.2 6.6 10.0#

68 5.3 5.1 7.7

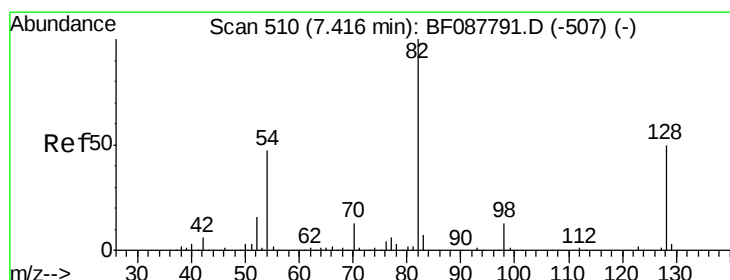
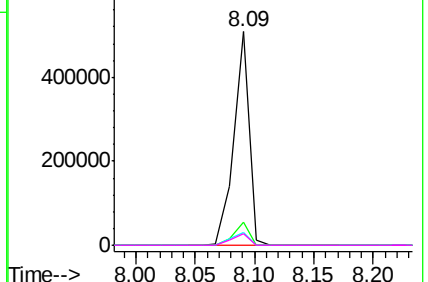
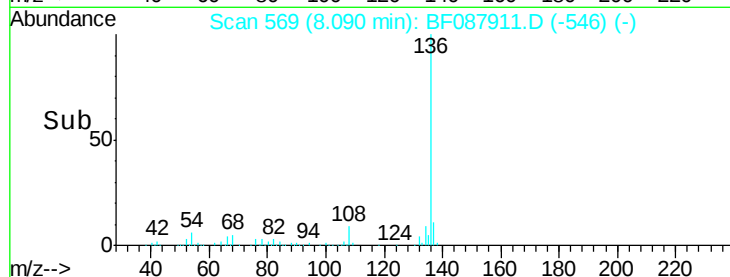


Abundance Ion 136.00 (135.70 to 136.70): E

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: 91.26 ng

RT: 7.37 min Scan# 506

Delta R.T. -0.05 min

Lab File: BF087911.D

Acq: 11 Jun 2016 19:34

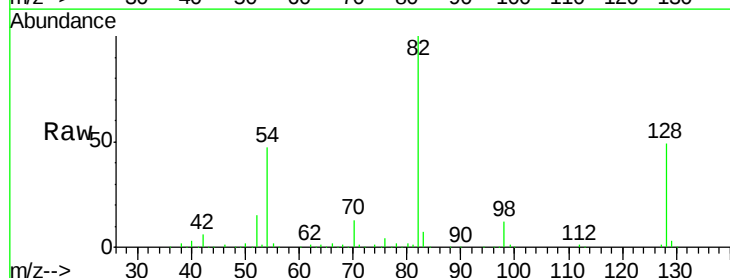
Tgt Ion: 82 Resp: 714345

Ion Ratio Lower Upper

82 100

128 49.0 35.9 53.9

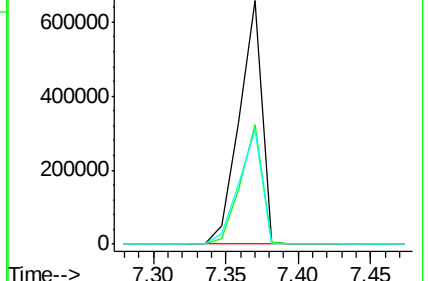
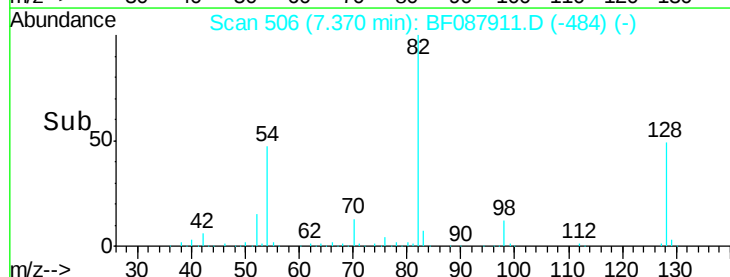
54 47.0 40.9 61.3

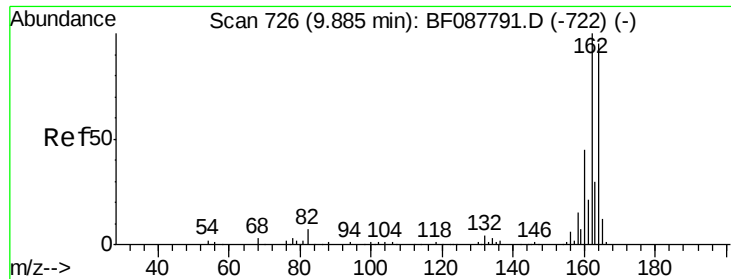


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: BF087911.D

Acq: 11 Jun 2016 19:34

Instrument :

BNA_F

ClientSampleId :

SP16-LF2MW4-9007

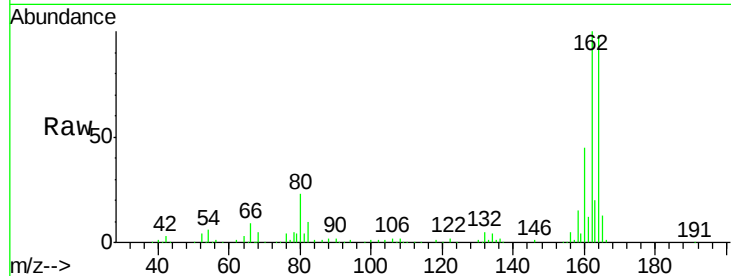
Tot Ion:164 Resp: 173555

Ion Ratio Lower Upper

164 100

162 102.3 85.4 128.2

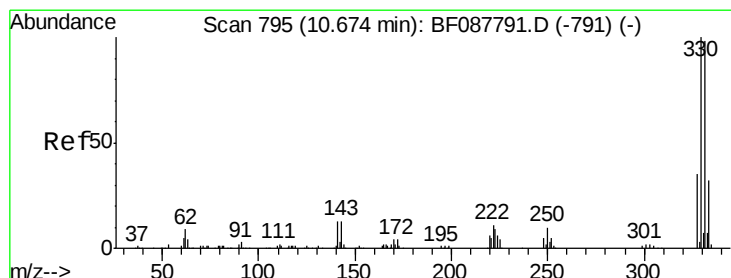
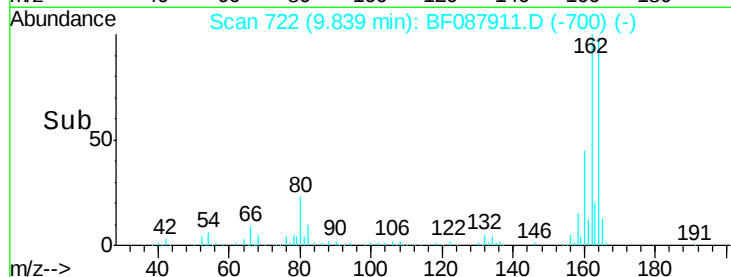
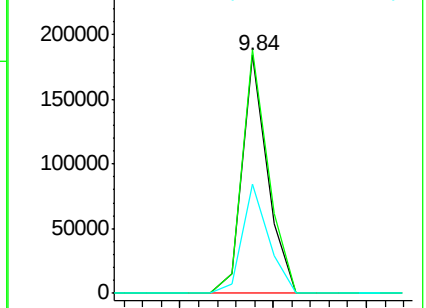
160 45.8 39.5 59.3



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: 155.31 ng

RT: 10.64 min Scan# 792

Delta R.T. -0.03 min

Lab File: BF087911.D

Acq: 11 Jun 2016 19:34

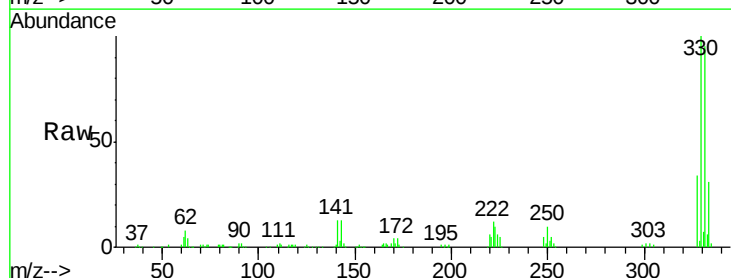
Tgt Ion:330 Resp: 284607

Ion Ratio Lower Upper

330 100

332 95.3 0.0 0.0#

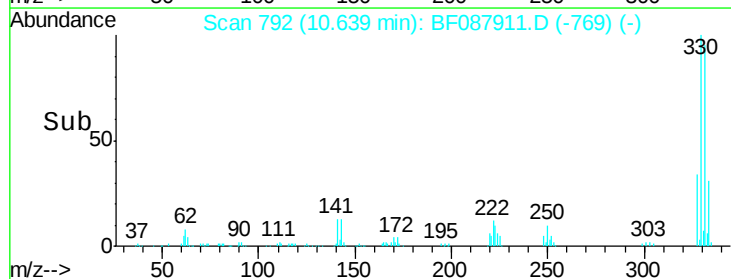
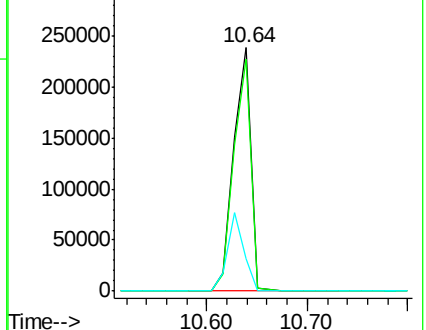
141 31.1 0.0 0.0#

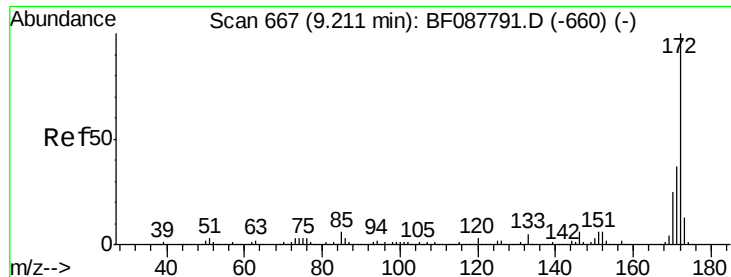


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

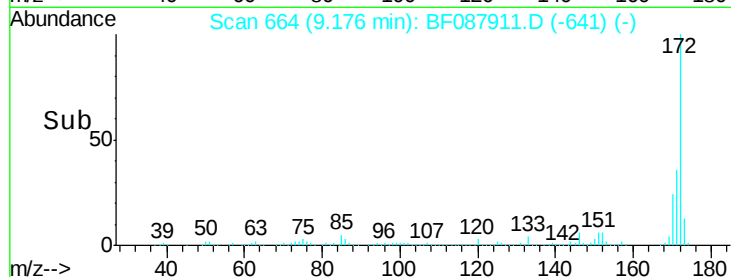
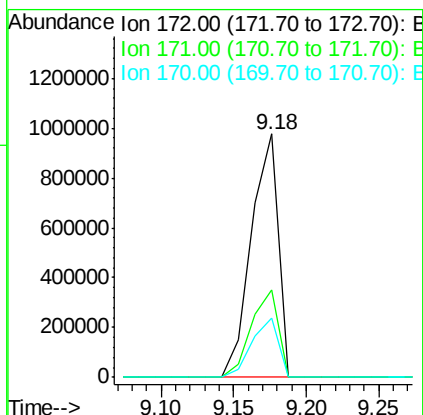
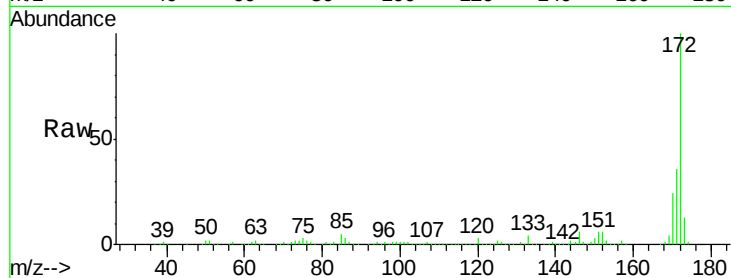




#44
2-Fluorobiphenyl
Concen: 116.02 ng
RT: 9.18 min Scan# 664
Delta R.T. -0.03 min
Lab File: BF087911.D
Acq: 11 Jun 2016 19:34

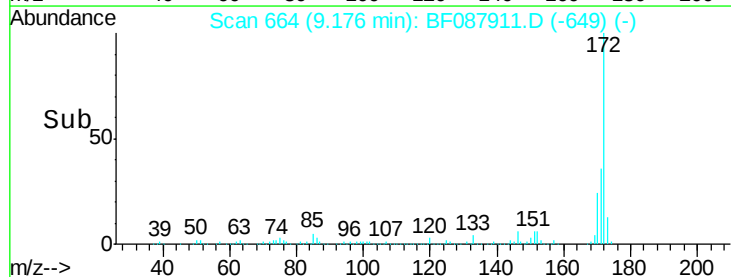
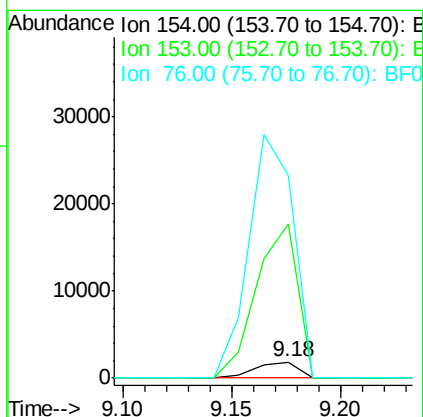
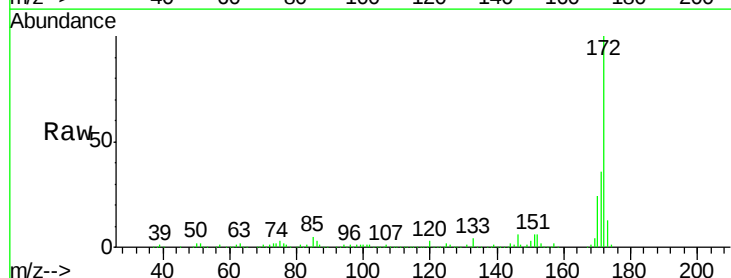
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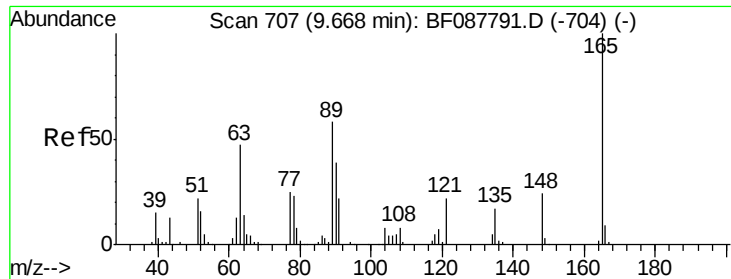
Tot Ion:172 Resp: 1259423
Ion Ratio Lower Upper
172 100
171 35.9 28.6 43.0
170 24.3 19.2 28.8



#45
1,1'-Biphenyl
Concen: Below Cal
RT: 9.18 min Scan# 664
Delta R.T. -0.12 min
Lab File: BF087911.D
Acq: 11 Jun 2016 19:34

Tgt Ion:154 Resp: 2549
Ion Ratio Lower Upper
154 100
153 948.8 20.6 60.6#
76 1245.5 0.0 35.1#

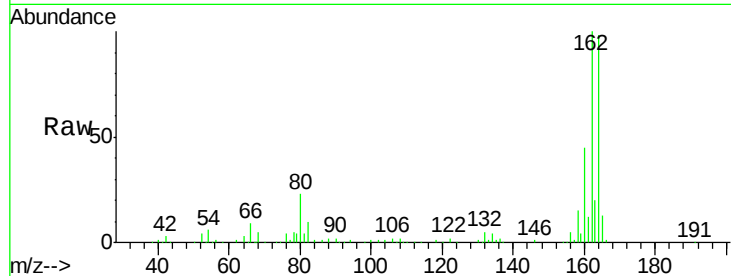




#50
2,6-Dinitrotoluene
Concen: 7.62 ng
RT: 9.84 min Scan# 722
Delta R.T. 0.17 min
Lab File: BF087911.D
Acq: 11 Jun 2016 19:34

Instrument :
BNA_F
ClientSampleId :
SP16-LF2MW4-9007

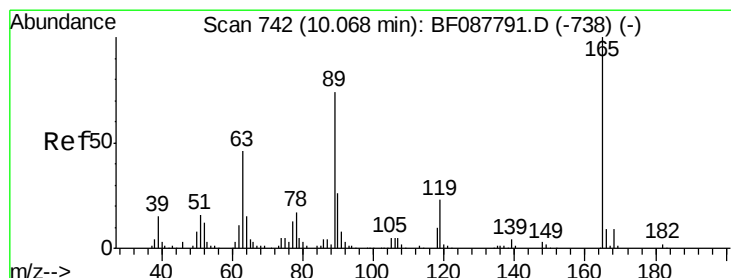
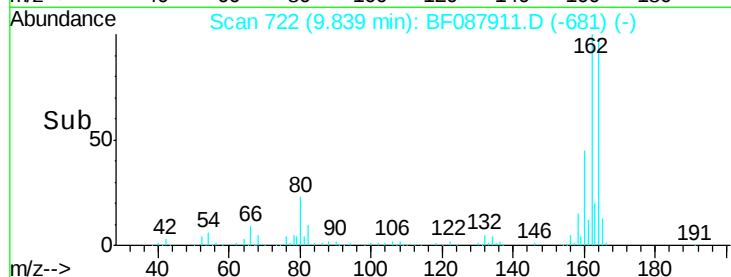
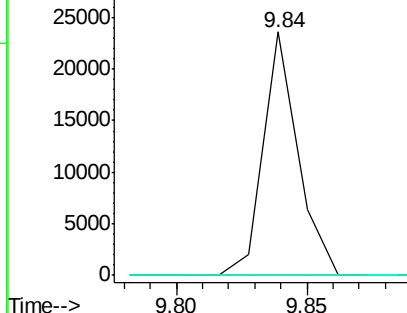
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	28.1	42.1#
89	0.0	32.2	48.2#



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: 5.93 ng
RT: 9.84 min Scan# 722
Delta R.T. -0.23 min
Lab File: BF087911.D
Acq: 11 Jun 2016 19:34

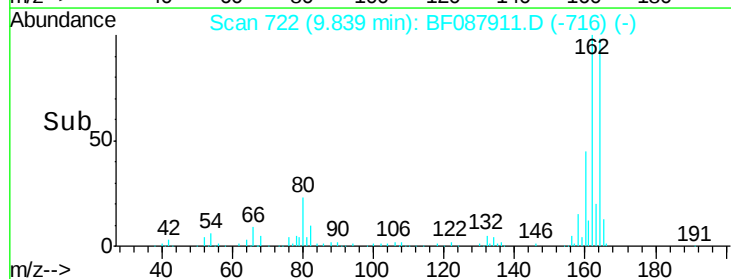
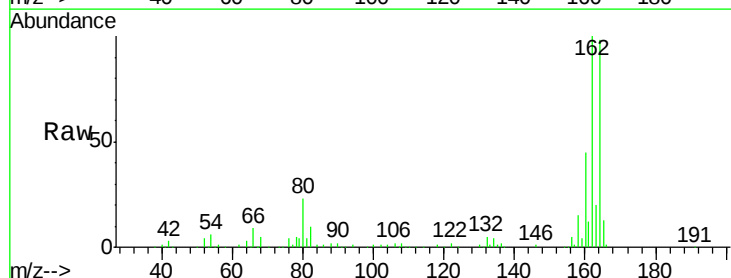
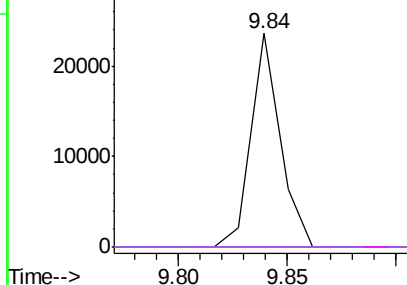
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.0	33.0#
89	0.0	41.1	61.7#
182	0.0	2.0	3.0#

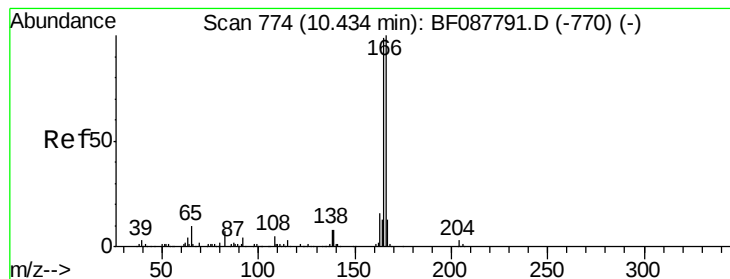
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF087911.D

Acq: 11 Jun 2016 19:34

Instrument :

BNA_F

ClientSampleId :

SP16-LF2MW4-9007

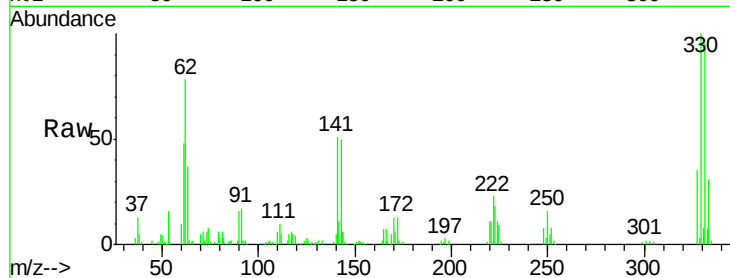
Tot Ion:166 Resp: 12656

Ion Ratio Lower Upper

166 100

165 102.4 77.8 116.8

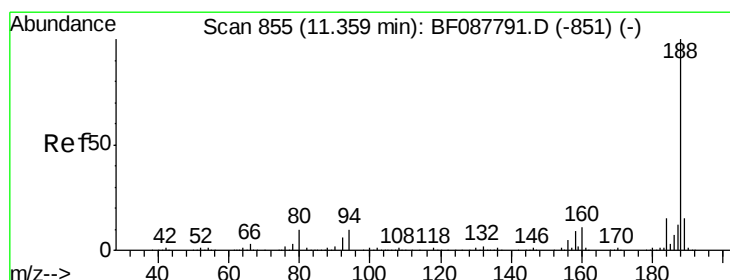
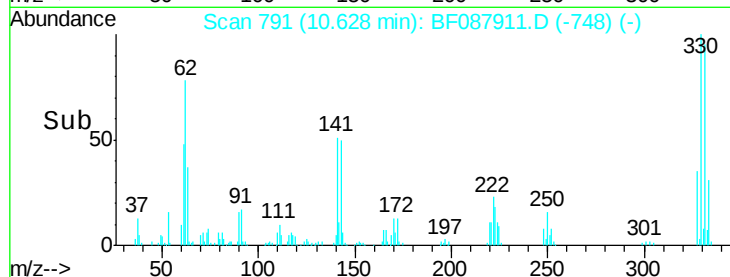
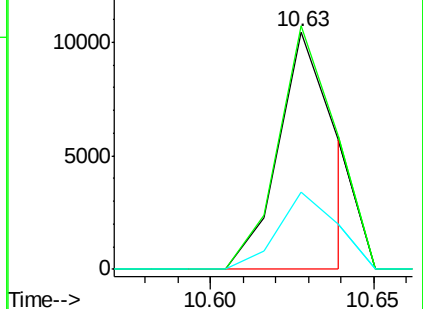
167 32.3 11.2 16.8#



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: BF087911.D

Acq: 11 Jun 2016 19:34

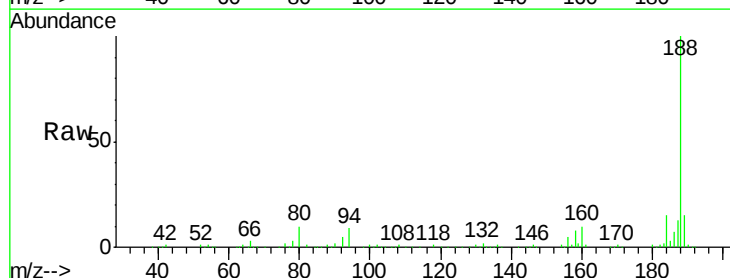
Tgt Ion:188 Resp: 396374

Ion Ratio Lower Upper

188 100

94 9.3 9.0 13.6

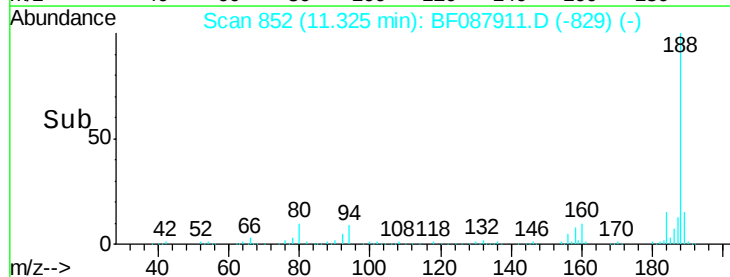
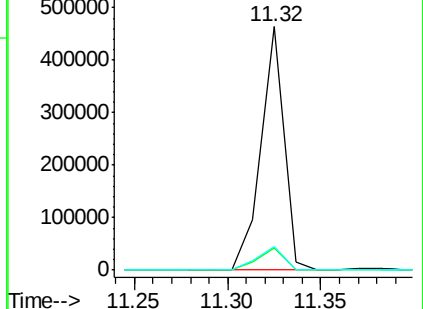
80 9.7 10.0 15.0#

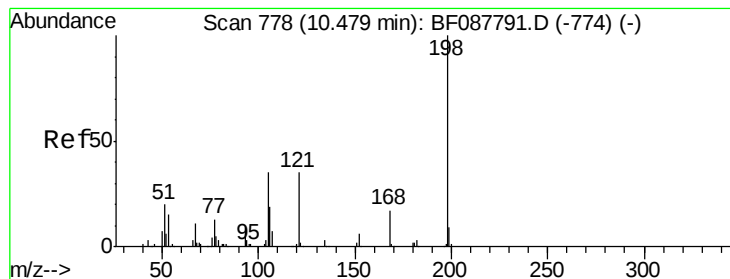


Abundance Ion 188.00 (187.70 to 188.70): E

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: 2.39 ng

RT: 10.63 min Scan# 791

Delta R.T. 0.15 min

Lab File: BF087911.D

Acq: 11 Jun 2016 19:34

Instrument :

BNA_F

ClientSampleId :

SP16-LF2MW4-9007

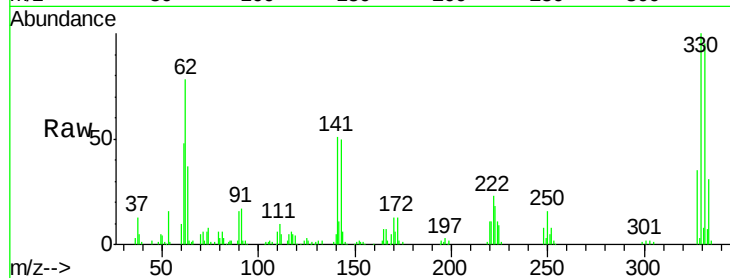
Tot Ion:198 Resp: 590

Ion Ratio Lower Upper

198 100

51 171.2 39.6 79.6#

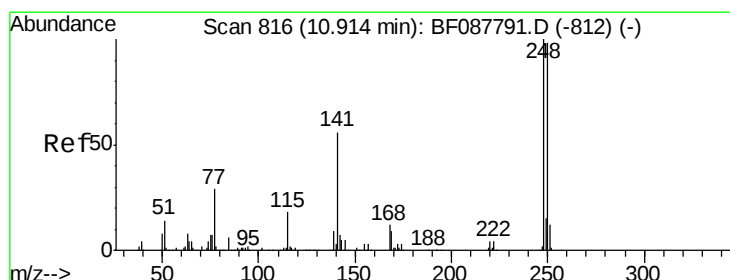
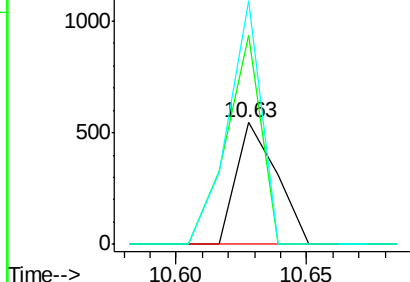
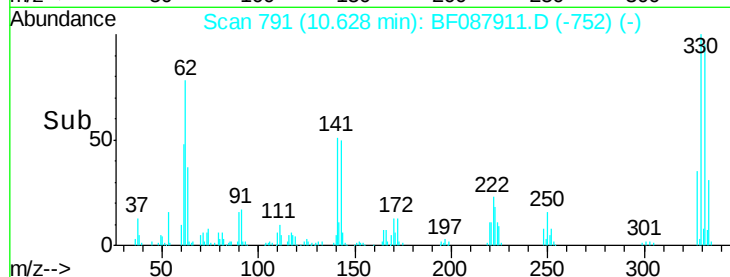
105 199.8 36.6 76.6#



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: 4.22 ng

RT: 10.64 min Scan# 792

Delta R.T. -0.27 min

Lab File: BF087911.D

Acq: 11 Jun 2016 19:34

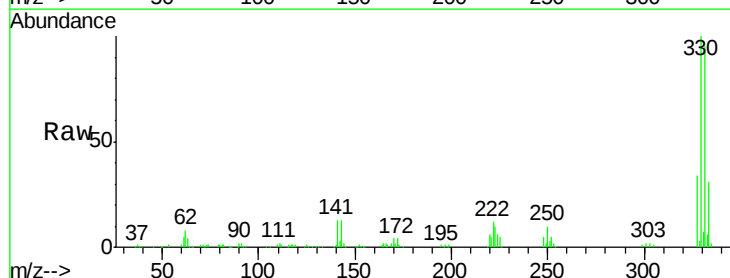
Tgt Ion:248 Resp: 17963

Ion Ratio Lower Upper

248 100

250 200.6 77.1 115.7#

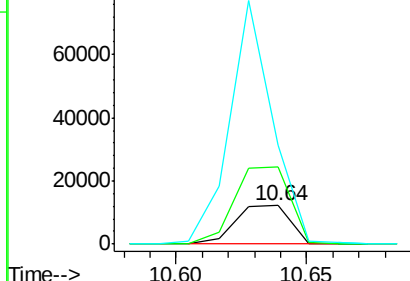
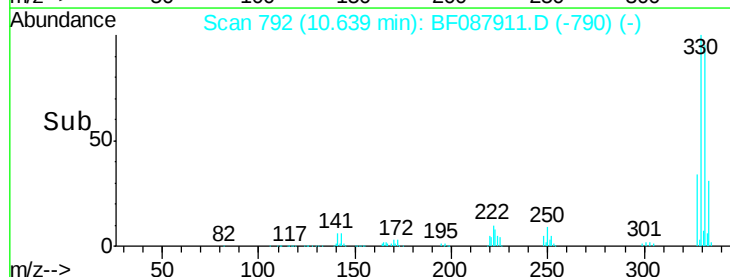
141 255.1 50.6 76.0#

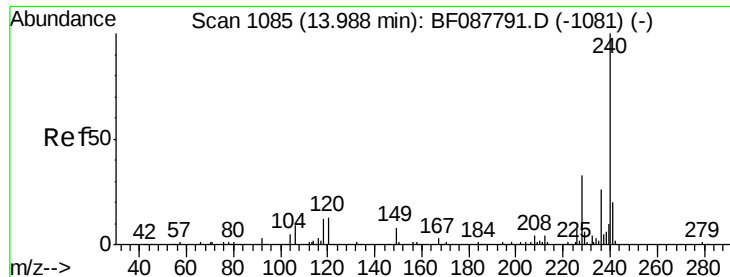


Abundance Ion 248.00 (247.70 to 248.70): E

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: BF087911.D

Acq: 11 Jun 2016 19:34

Instrument :

BNA_F

ClientSampleId :

SP16-LF2MW4-9007

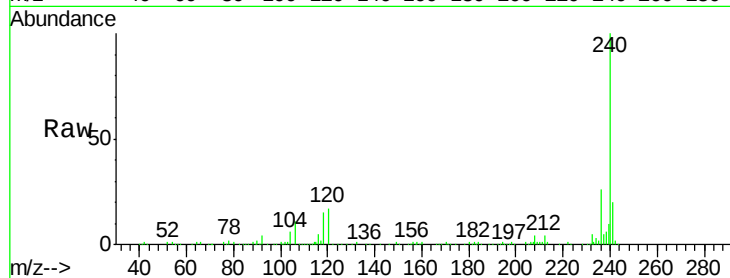
Tot Ion:240 Resp: 312646

Ion Ratio Lower Upper

240 100

120 16.5 6.8 10.2#

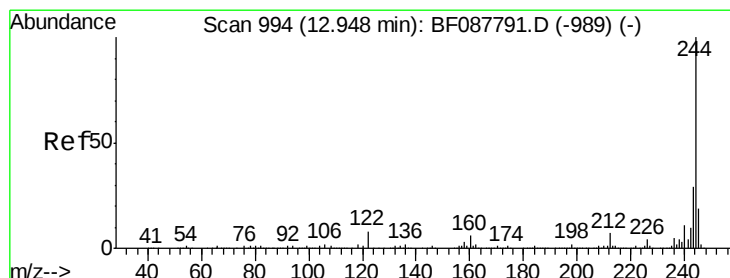
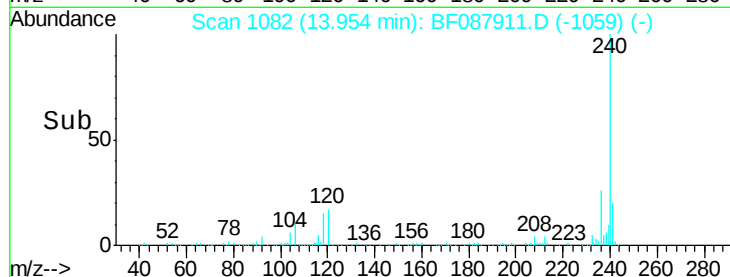
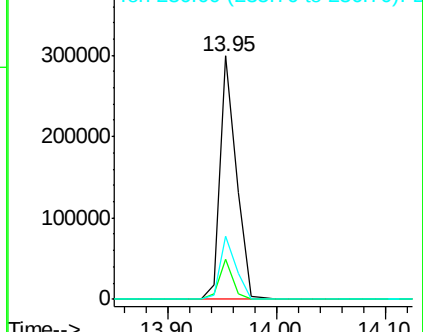
236 25.9 20.2 30.2



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



#78

Terphenyl-d14

Concen: 70.41 ng

RT: 12.91 min Scan# 991

Delta R.T. -0.03 min

Lab File: BF087911.D

Acq: 11 Jun 2016 19:34

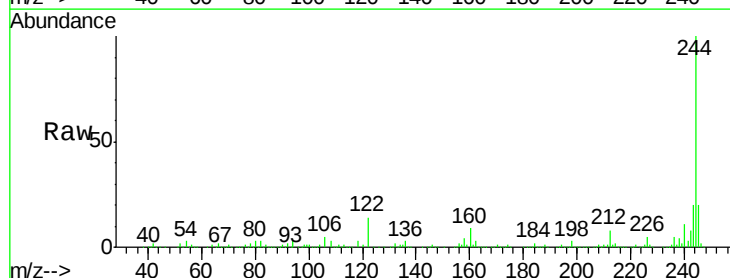
Tgt Ion:244 Resp: 967356

Ion Ratio Lower Upper

244 100

212 7.7 6.0 9.0

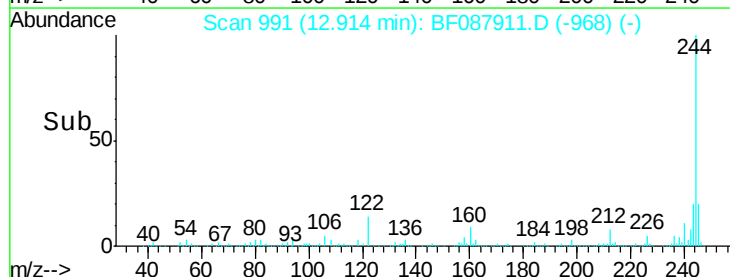
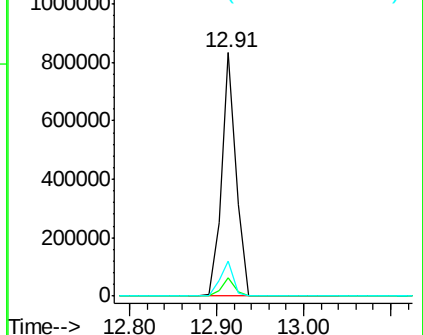
122 14.4 11.2 16.8

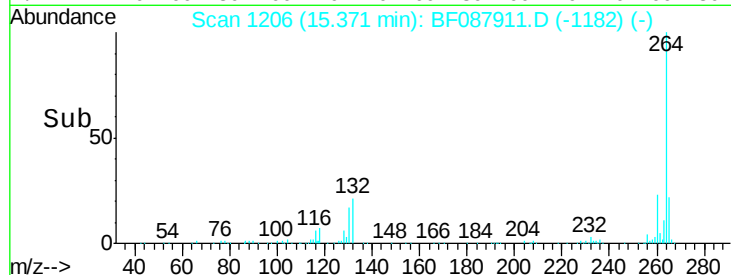
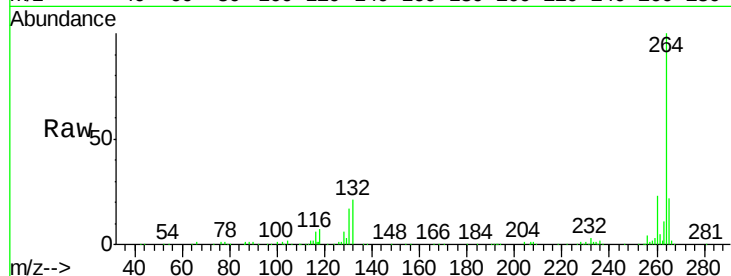
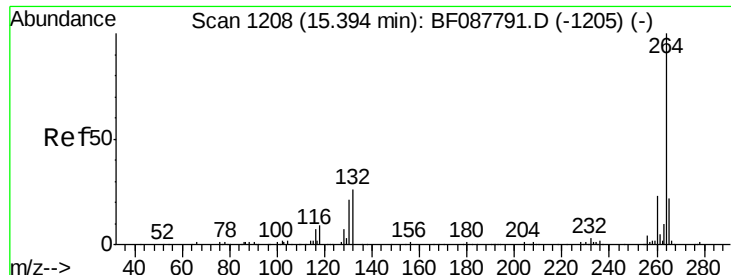


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.37 min Scan# 1206
Delta R.T. -0.02 min
Lab File: BF087911.D
Acq: 11 Jun 2016 19:34

Instrument :
BNA_F
ClientSampleId :
SP16-LF2MW4-9007

Tot Ion:264	Resp:	269656
Ion	Ratio	Lower Upper
264	100	
260	23.4	19.2 28.8
265	21.6	16.9 25.3

