

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062516\
 Data File : BF088399.D
 Acq On : 26 Jun 2016 4:07
 Operator : UM/SJ
 Sample : H3734-01
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LAR9934

Quant Time: Jun 26 06:10:22 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 22 14:55:14 2016
 Response via : Initial Calibration

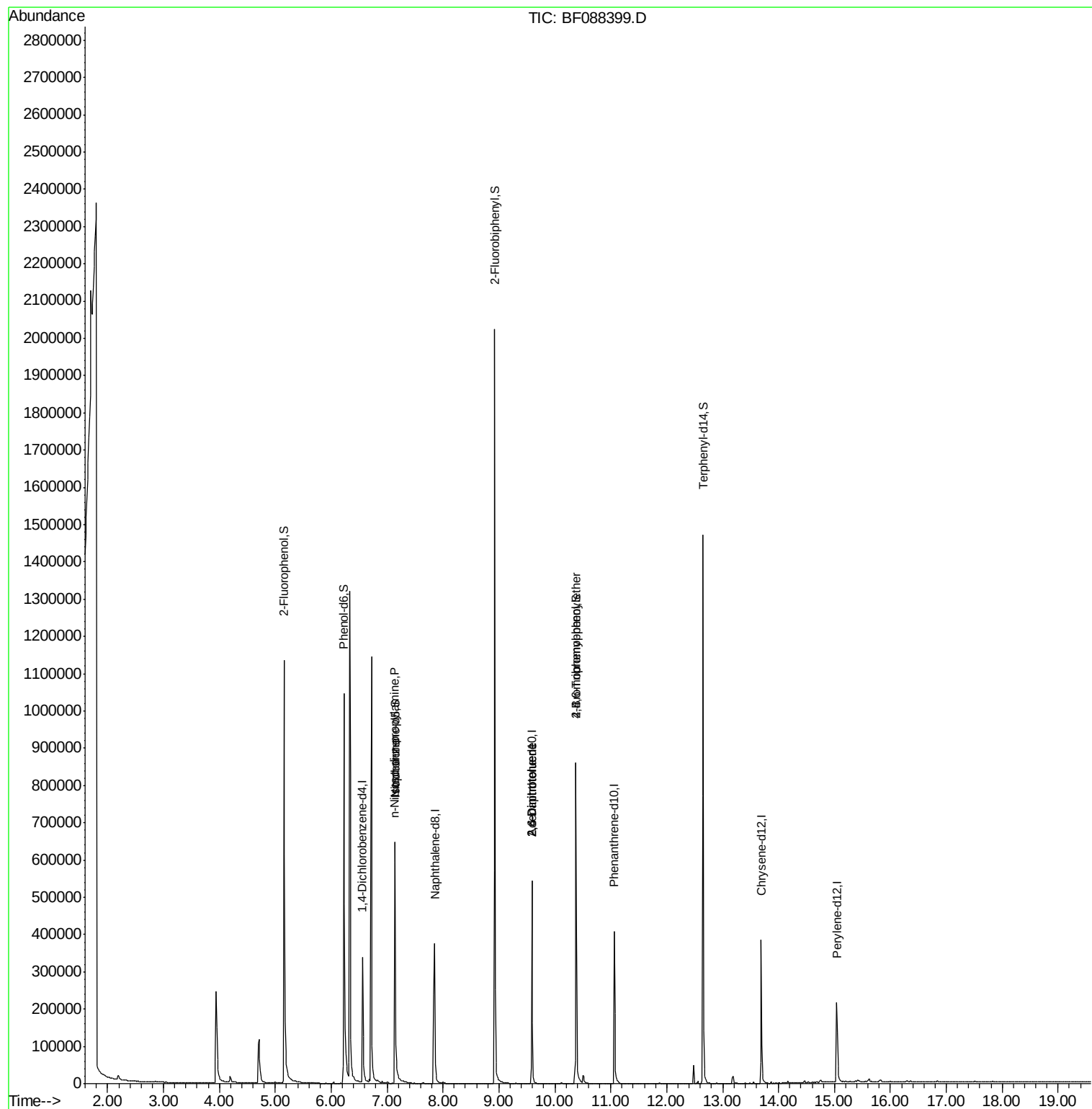
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.56	152	71528	20.00	ng	-0.05
21) Naphthalene-d8	7.85	136	274995	20.00	ng	-0.05
38) Acenaphthene-d10	9.59	164	119710	20.00	ng	-0.06
63) Phenanthrene-d10	11.06	188	203261	20.00	ng	-0.06
75) Chrysene-d12	13.69	240	157465	20.00	ng	-0.06
86) Perylene-d12	15.04	264	111735	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.15	112	498091	119.05	ng	-0.02
7) Phenol-d6	6.23	99	557070	109.86	ng	-0.03
23) Nitrobenzene-d5	7.14	82	395591	84.00	ng	-0.03
41) 2,4,6-Tribromophenol	10.38	330	137001	108.39	ng	-0.06
44) 2-Fluorobiphenyl	8.92	172	730941	96.68	ng	-0.05
78) Terphenyl-d14	12.65	244	584393	84.45	ng	-0.05
Target Compounds						
10) Phenol	6.33	94	868	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.13	70	47956	14.78	ng	# 73
25) Isophorone	7.14	82	394429	45.22	ng	# 65
45) 1,1'-Biphenyl	8.92	154	1227	Below Cal	#	1
50) 2,6-Dinitrotoluene	9.59	165	14720	7.41	ng	# 37
56) 2,4-Dinitrotoluene	9.59	165	14720	5.77	ng	# 36
57) Fluorene	10.38	166	5825	Below Cal	#	80
66) 4-Bromophenyl-phenylether	10.38	248	8067	3.70	ng	# 1

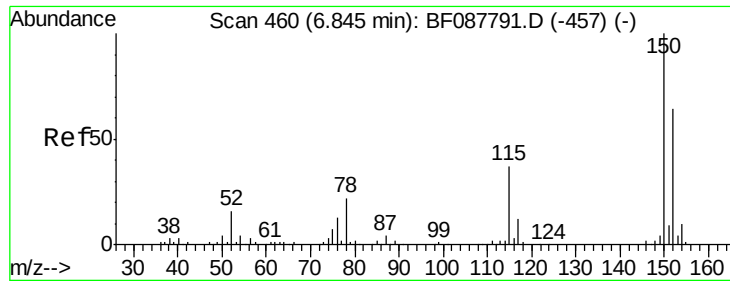
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.56 min Scan# 435

Delta R.T. -0.05 min

Lab File: BF088399.D

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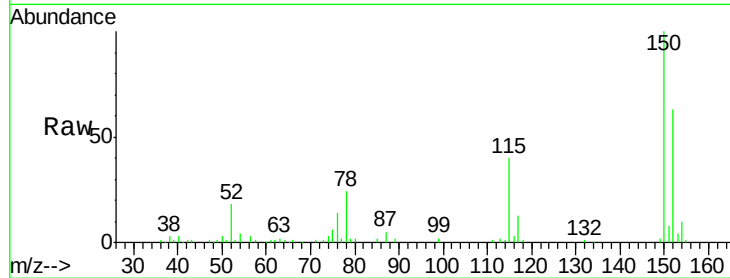
Tgt Ion:152 Resp: 71528

Ion Ratio Lower Upper

152 100

150 158.2 123.8 185.6

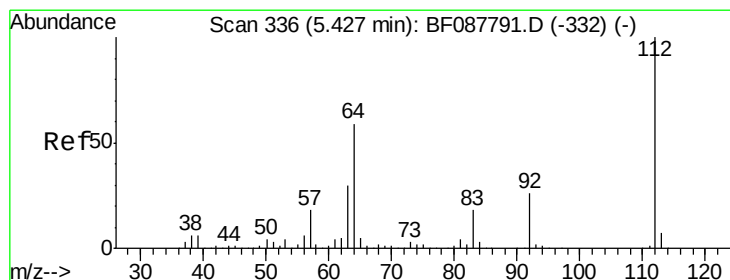
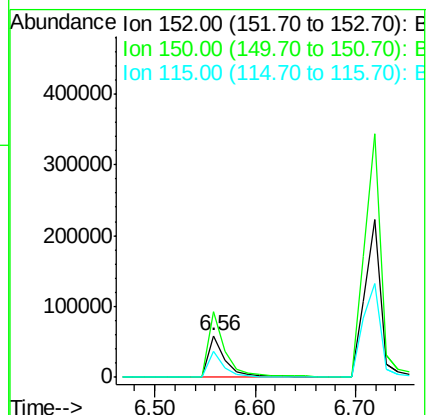
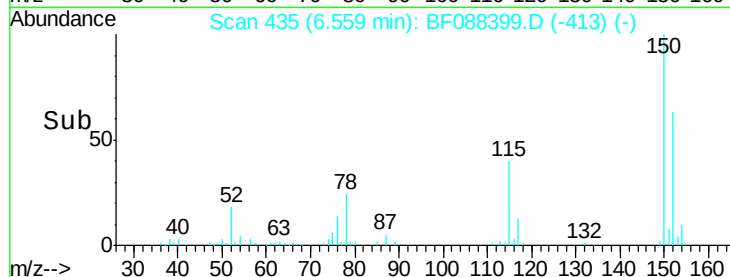
115 62.8 39.6 59.4#



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: 119.05 ng

RT: 5.15 min Scan# 312

Delta R.T. -0.02 min

Lab File: BF088399.D

Acq: 26 Jun 2016 4:07

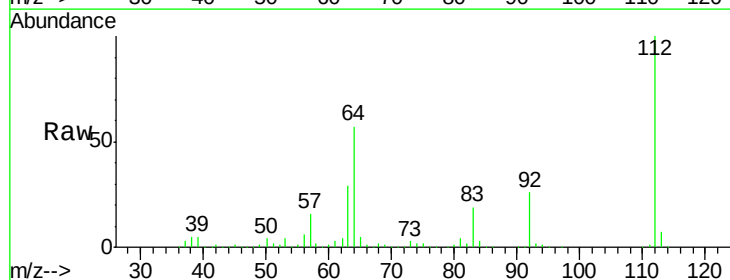
Tgt Ion:112 Resp: 498091

Ion Ratio Lower Upper

112 100

64 56.6 42.2 63.2

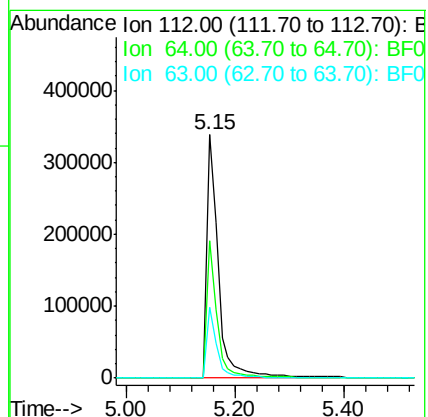
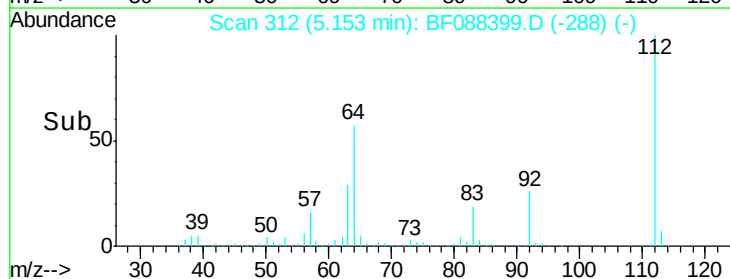
63 29.1 21.8 32.8

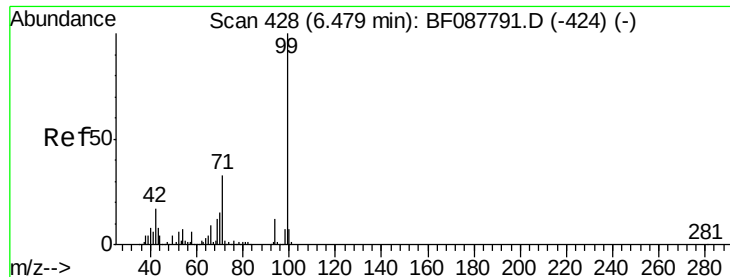


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 109.86 ng

RT: 6.23 min Scan# 406

Delta R.T. -0.03 min

Lab File: BF088399.D

Acq: 26 Jun 2016 4:07

Instrument :

BNA_F

ClientSampleId :

LAR9934

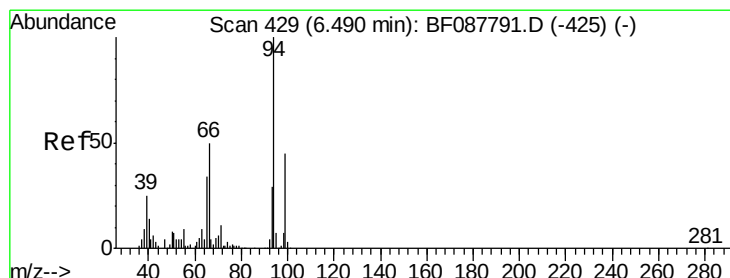
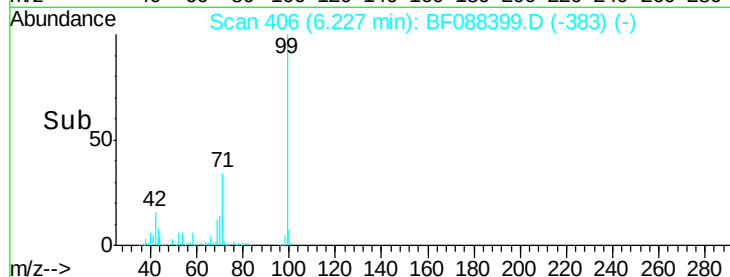
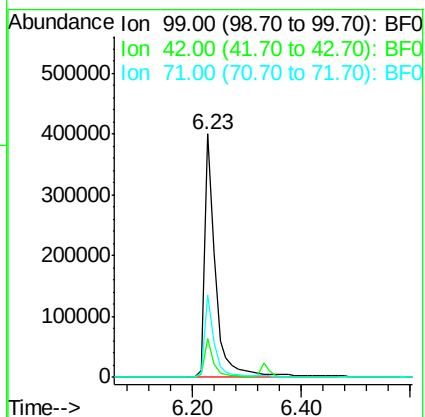
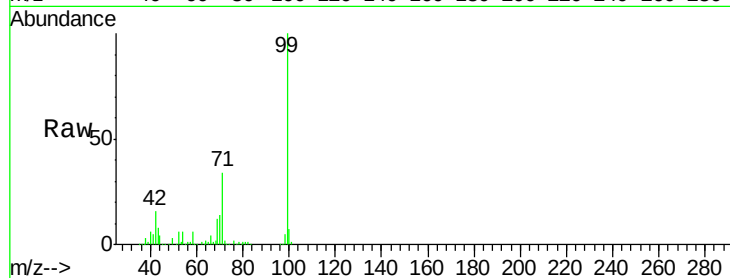
Tgt Ion: 99 Resp: 557070

Ion Ratio Lower Upper

99 100

42 15.7 12.2 18.2

71 34.1 23.4 35.0



#10

Phenol

Concen: Below Cal

RT: 6.33 min Scan# 415

Delta R.T. 0.06 min

Lab File: BF088399.D

Acq: 26 Jun 2016 4:07

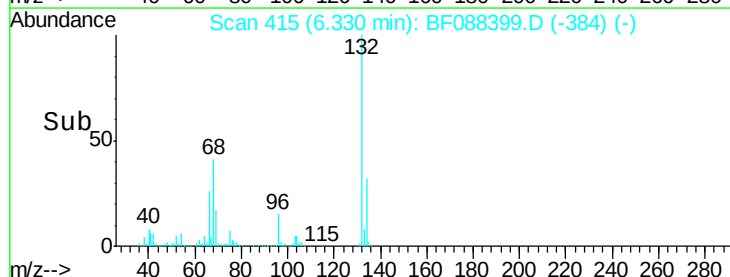
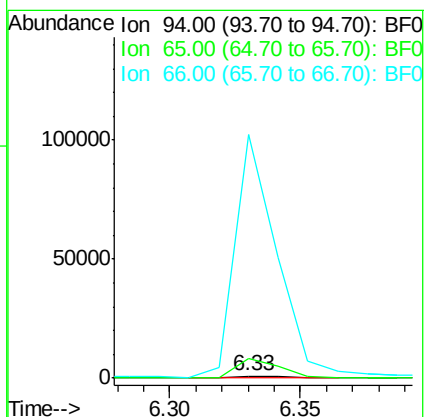
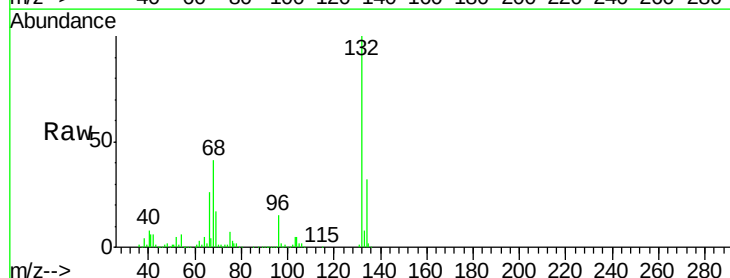
Tgt Ion: 94 Resp: 868

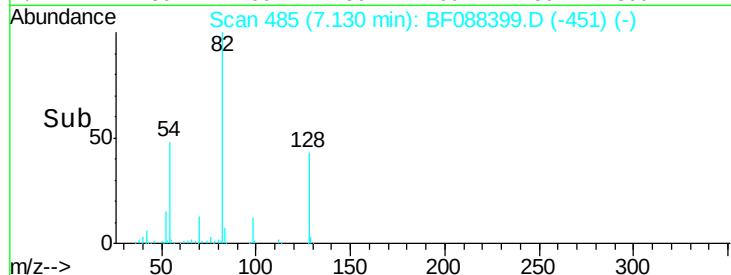
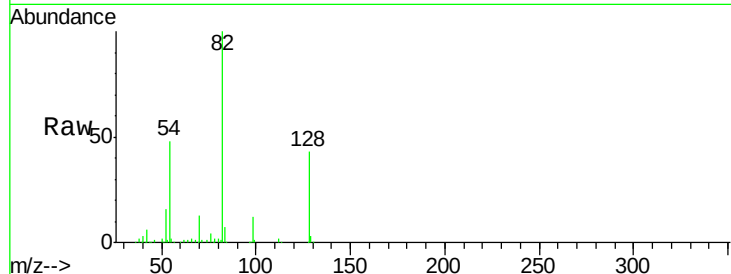
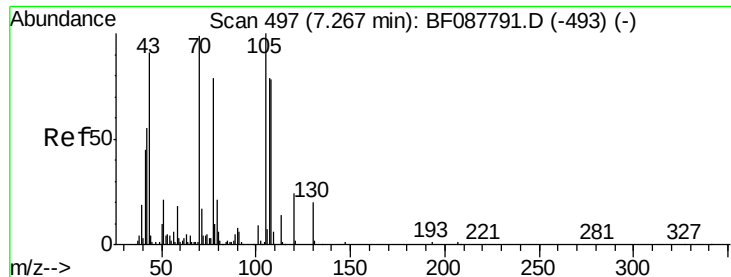
Ion Ratio Lower Upper

94 100

65 1072.6 5.9 45.9#

66 13600.0 14.0 54.0#

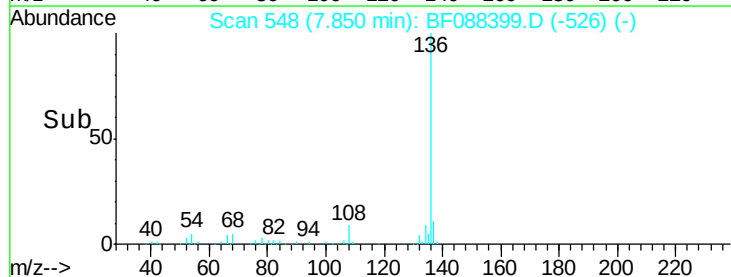
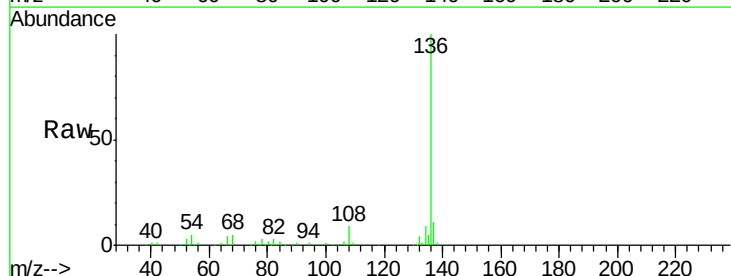
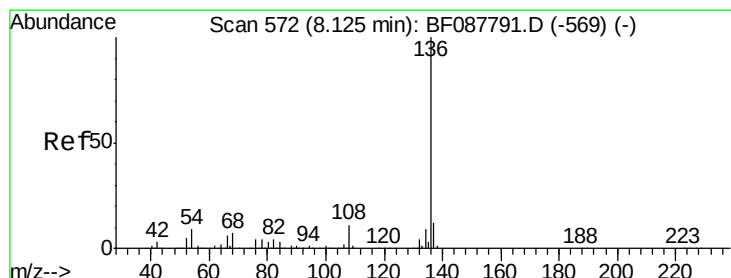
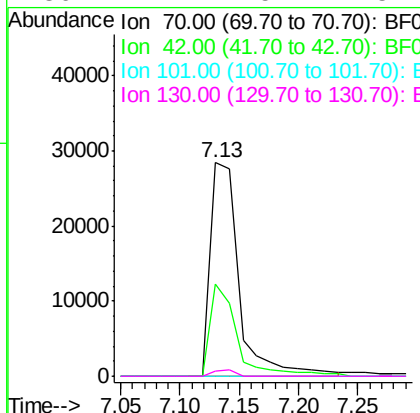




#19
n-Nitroso-di-n-propylamine
Concen: 14.78 ng
RT: 7.13 min Scan# 485
Delta R.T. 0.09 min
Lab File: BF088399.D
Acq: 26 Jun 2016 4:07

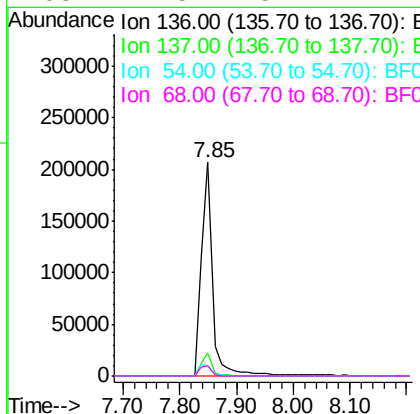
Instrument :
BNA_F
ClientSampleId :
LAR9934

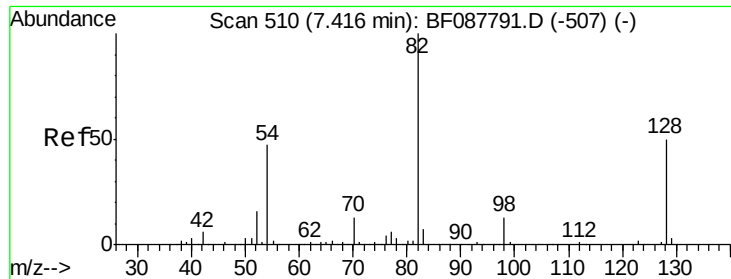
Tgt Ion: 70 Resp: 47956
Ion Ratio Lower Upper
70 100
42 43.3 49.6 74.4#
101 0.0 7.1 10.7#
130 2.2 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.85 min Scan# 548
Delta R.T. -0.05 min
Lab File: BF088399.D
Acq: 26 Jun 2016 4:07

Tgt Ion: 136 Resp: 274995
Ion Ratio Lower Upper
136 100
137 10.7 9.1 13.7
54 5.1 6.6 10.0#
68 4.5 5.1 7.7#

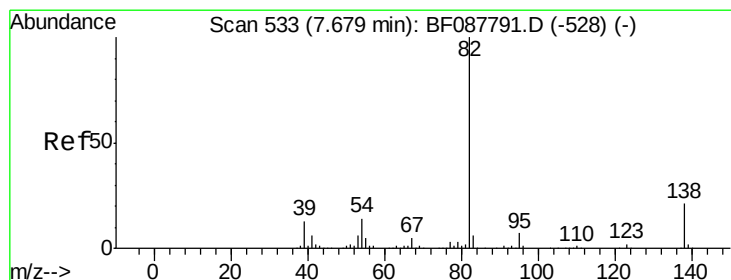
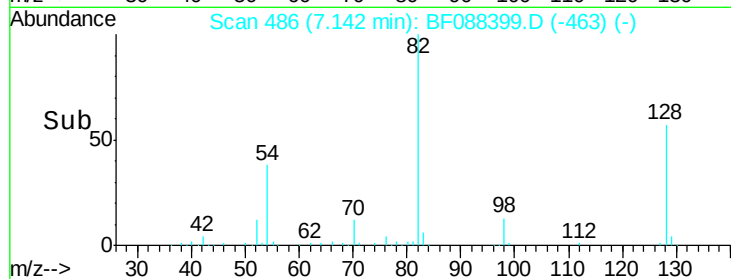
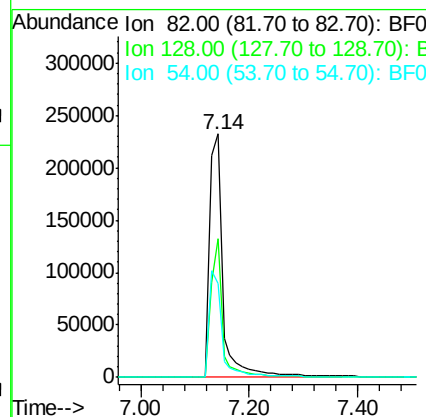
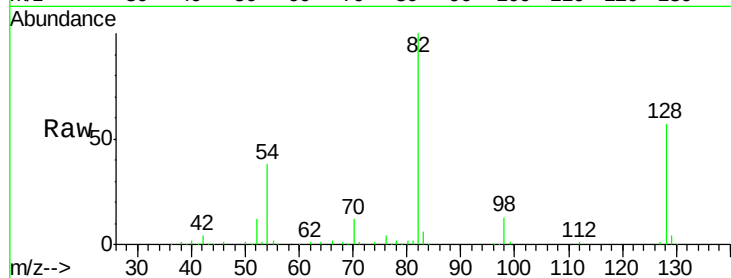




#23
 Nitrobenzene-d5
 Concen: 84.00 ng
 RT: 7.14 min Scan# 486
 Delta R.T. -0.03 min
 Lab File: BF088399.D
 Acq: 26 Jun 2016 4:07

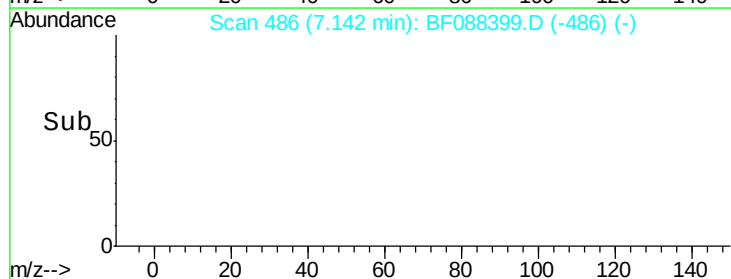
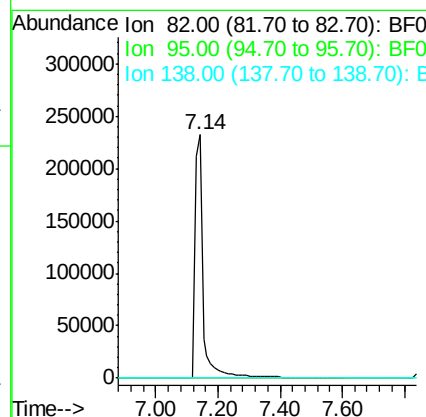
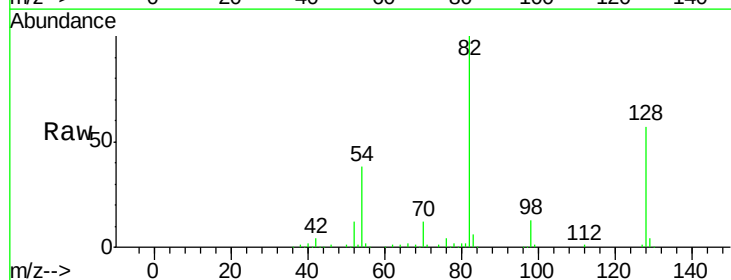
Instrument :
 BNA_F
 ClientSampled :
 LAR9934

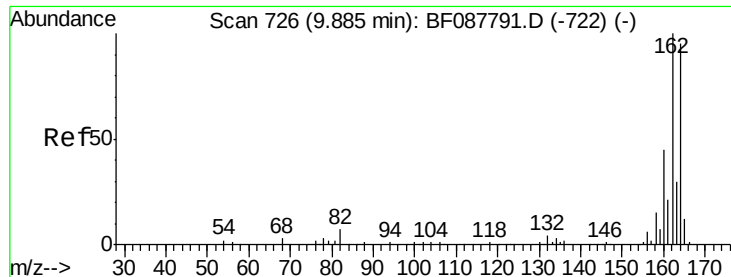
Tgt Ion: 82 Resp: 395591
 Ion Ratio Lower Upper
 82 100
 128 57.1 35.9 53.9#
 54 38.4 40.9 61.3#



#25
 Isophorone
 Concen: 45.22 ng
 RT: 7.14 min Scan# 486
 Delta R.T. -0.30 min
 Lab File: BF088399.D
 Acq: 26 Jun 2016 4:07

Tgt Ion: 82 Resp: 394429
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.4 8.2#
 138 0.0 14.6 21.8#

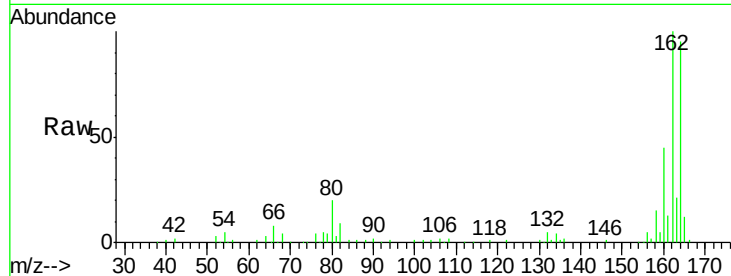




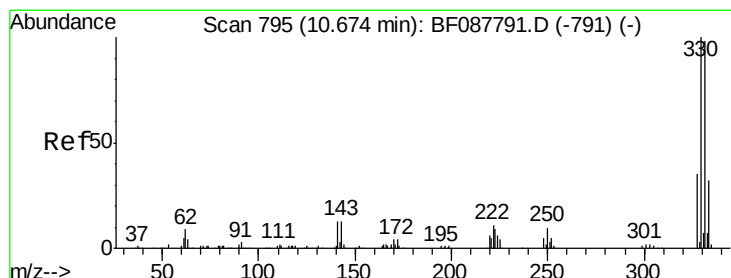
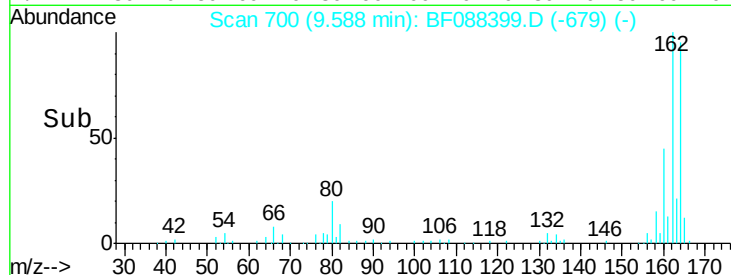
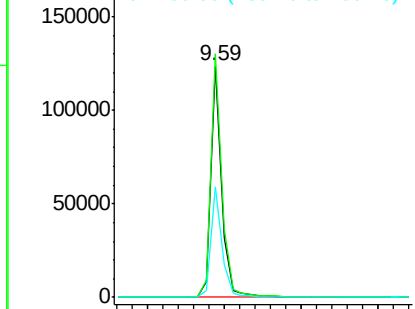
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.59 min Scan# 700
 Delta R.T. -0.06 min
 Lab File: BF088399.D
 Acq: 26 Jun 2016 4:07

Instrument :
 BNA_F
 ClientSampleId :
 LAR9934

Tgt Ion:164 Resp: 119710
 Ion Ratio Lower Upper
 164 100
 162 105.4 85.4 128.2
 160 47.6 39.5 59.3

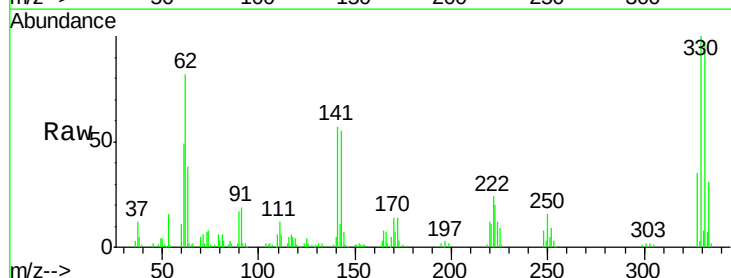


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

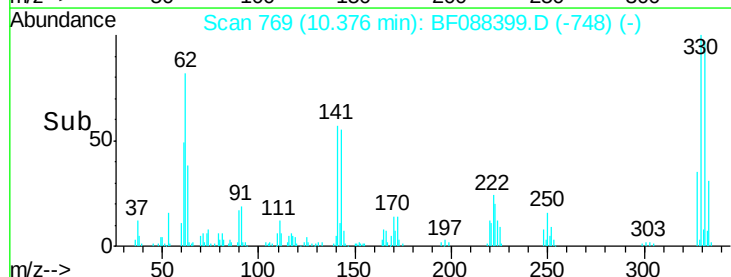
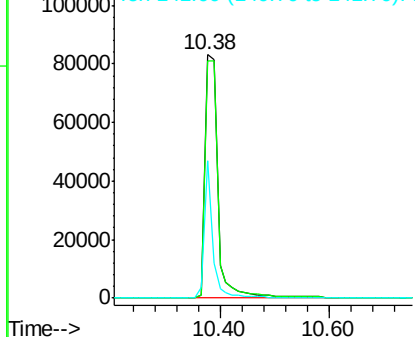


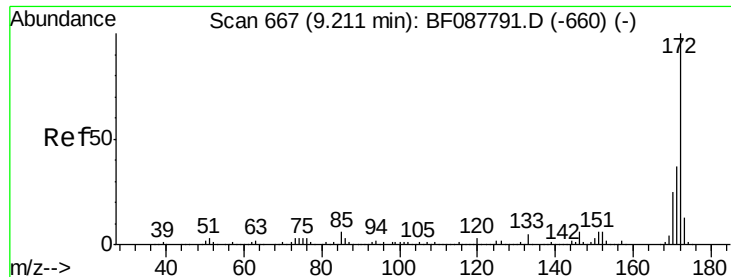
#41
 2,4,6-Tribromophenol
 Concen: 108.39 ng
 RT: 10.38 min Scan# 769
 Delta R.T. -0.06 min
 Lab File: BF088399.D
 Acq: 26 Jun 2016 4:07

Tgt Ion:330 Resp: 137001
 Ion Ratio Lower Upper
 330 100
 332 98.5 0.0 0.0#
 141 36.4 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

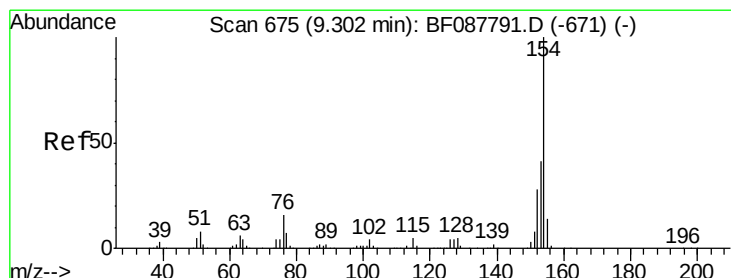
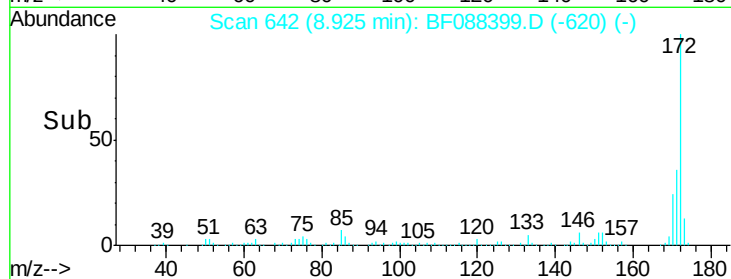
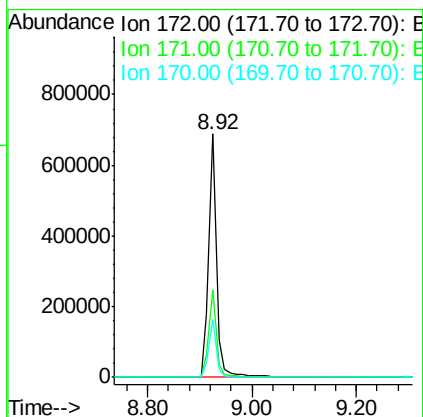
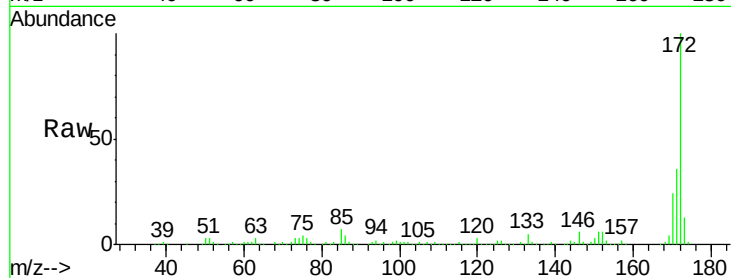




#44
2-Fluorobiphenyl
Concen: 96.68 ng
RT: 8.92 min Scan# 642
Delta R.T. -0.05 min
Lab File: BF088399.D
Acq: 26 Jun 2016 4:07

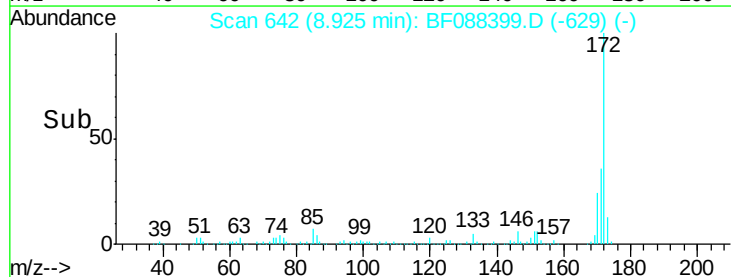
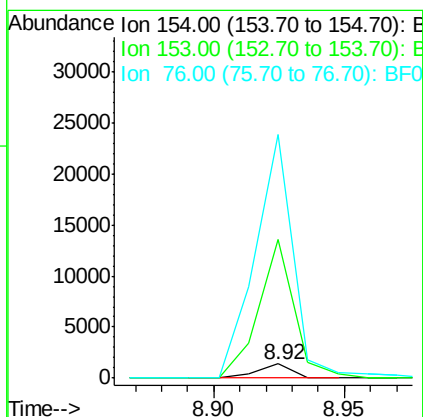
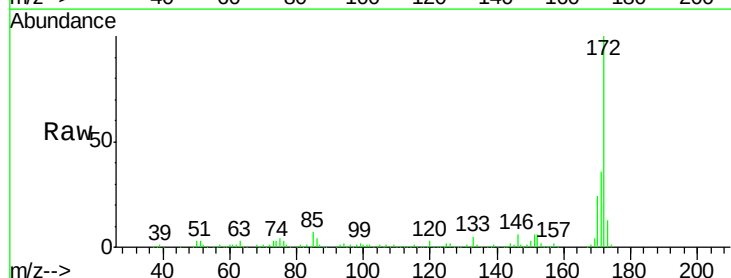
Instrument :
BNA_F
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LAR9934

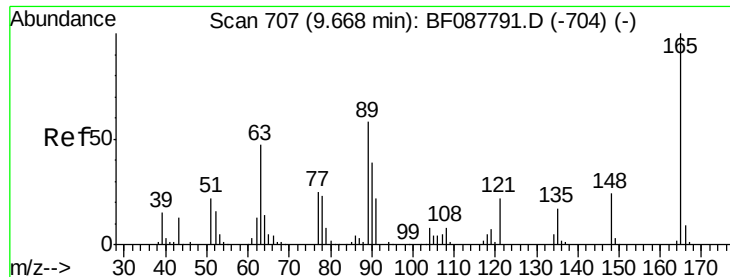
Tgt Ion:172 Resp: 730941
Ion Ratio Lower Upper
172 100
171 36.1 28.6 43.0
170 24.0 19.2 28.8



#45
1,1'-Biphenyl
Concen: Below Cal
RT: 8.92 min Scan# 642
Delta R.T. -0.15 min
Lab File: BF088399.D
Acq: 26 Jun 2016 4:07

Tgt Ion:154 Resp: 1227
Ion Ratio Lower Upper
154 100
153 996.5 20.6 60.6#
76 1752.2 0.0 35.1#

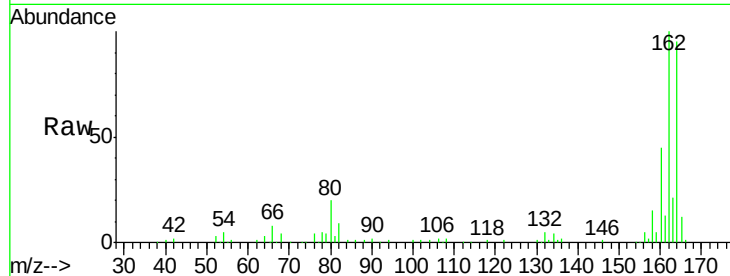




#50
 2,6-Dinitrotoluene
 Concen: 7.41 ng
 RT: 9.59 min Scan# 700
 Delta R.T. 0.14 min
 Lab File: BF088399.D
 Acq: 26 Jun 2016 4:07

Instrument :
 BNA_F
 ClientSampleId :
 LAR9934

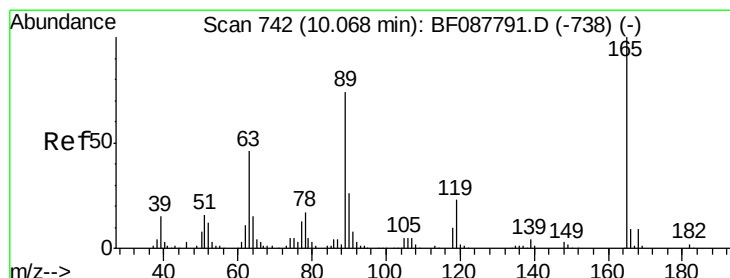
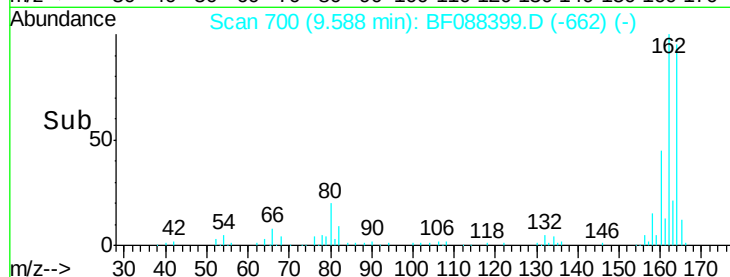
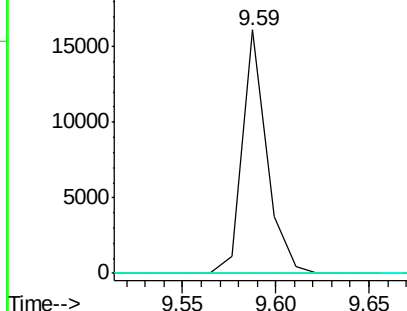
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	28.1	42.1#
89	0.0	32.2	48.2#



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: 5.77 ng
 RT: 9.59 min Scan# 700
 Delta R.T. -0.26 min
 Lab File: BF088399.D
 Acq: 26 Jun 2016 4:07

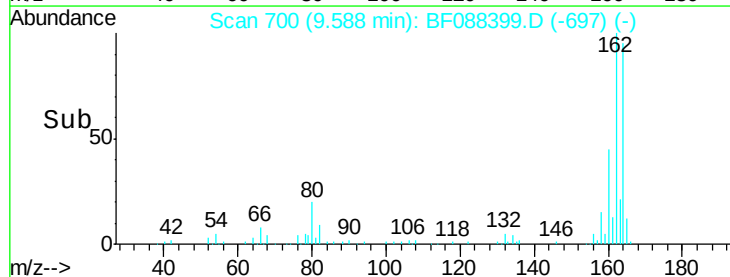
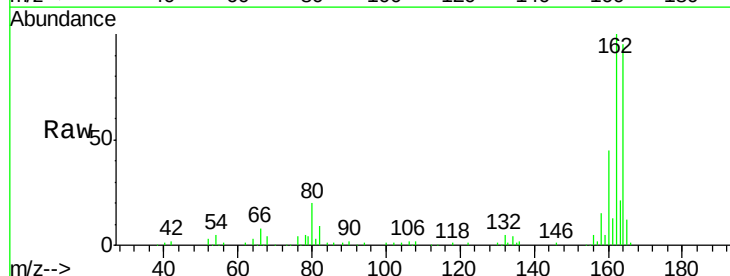
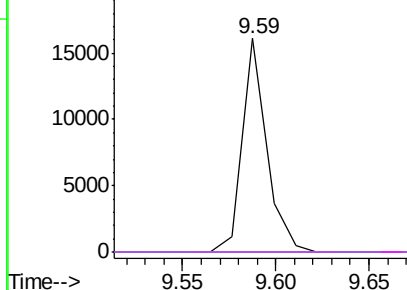
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.0	33.0#
89	0.0	41.1	61.7#
182	0.0	2.0	3.0#

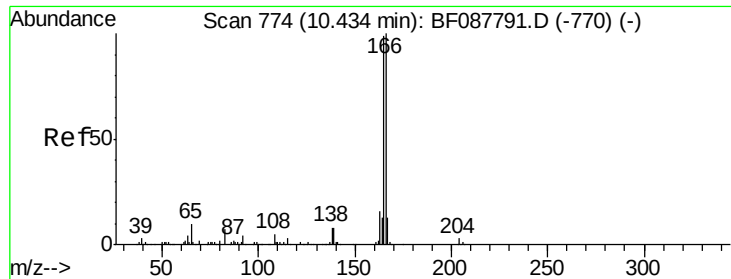
Abundance Ion 165.00 (164.70 to 165.70): E

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: 10.38 min Scan# 769

Delta R.T. 0.18 min

Lab File: BF088399.D

Acq: 26 Jun 2016 4:07

Instrument :

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ClientSampleId :

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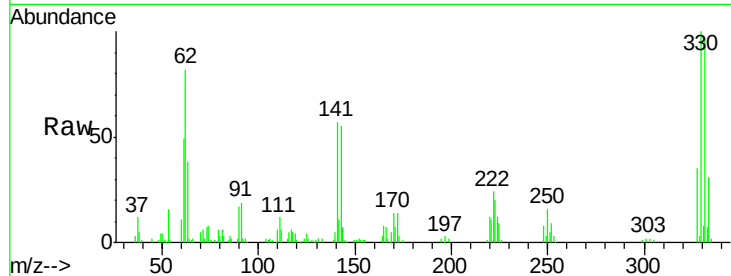
Tgt Ion:166 Resp: 5825

Ion Ratio Lower Upper

166 100

165 112.7 77.8 116.8

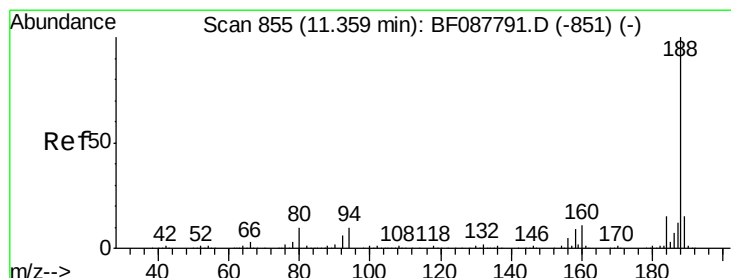
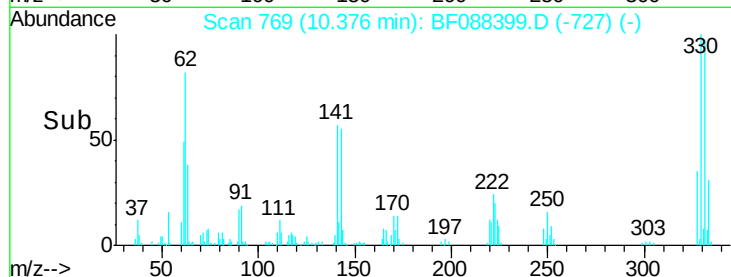
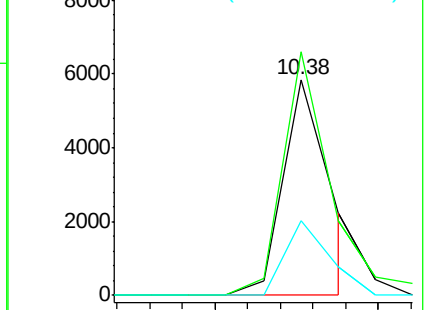
167 34.6 11.2 16.8#



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: 11.06 min Scan# 829

Delta R.T. -0.06 min

Lab File: BF088399.D

Acq: 26 Jun 2016 4:07

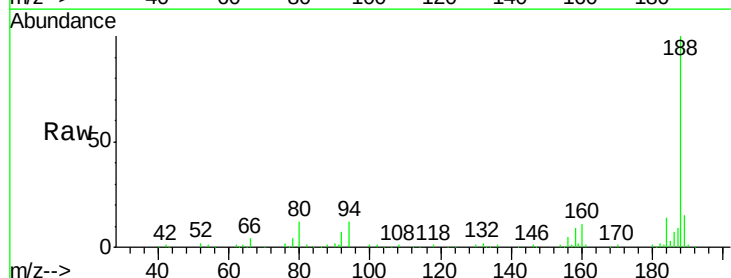
Tgt Ion:188 Resp: 203261

Ion Ratio Lower Upper

188 100

94 11.9 9.0 13.6

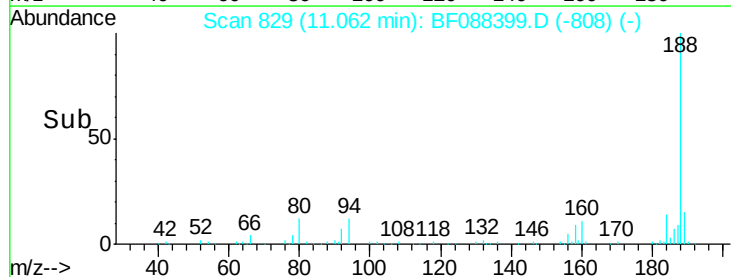
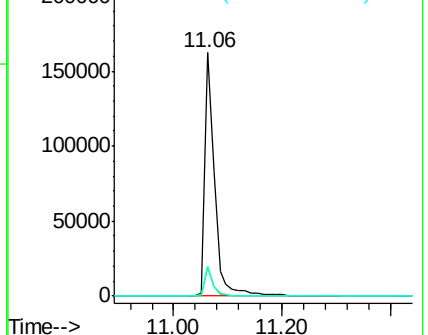
80 12.4 10.0 15.0

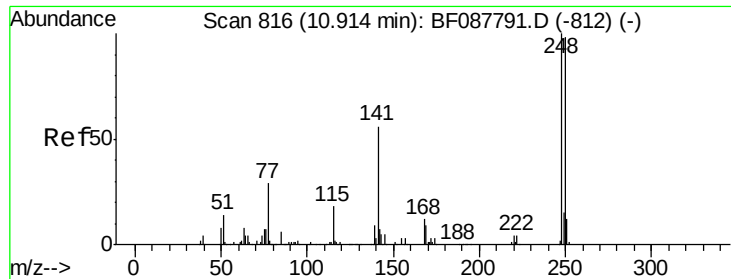


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 3.70 ng

RT: 10.38 min Scan# 769

Delta R.T. -0.30 min

Lab File: BF088399.D

Acq: 26 Jun 2016 4:07

Instrument :

BNA_F

ClientSampleId :

LAR9934

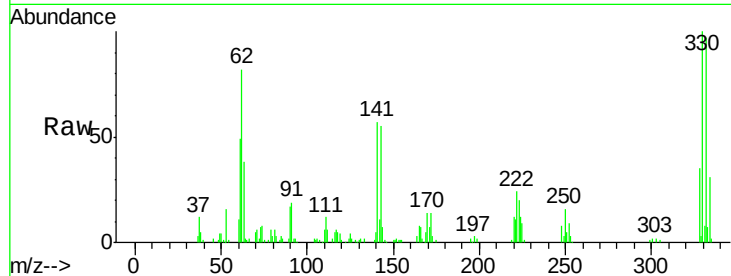
Tgt Ion:248 Resp: 8067

Ion Ratio Lower Upper

248 100

250 190.0 77.1 115.7#

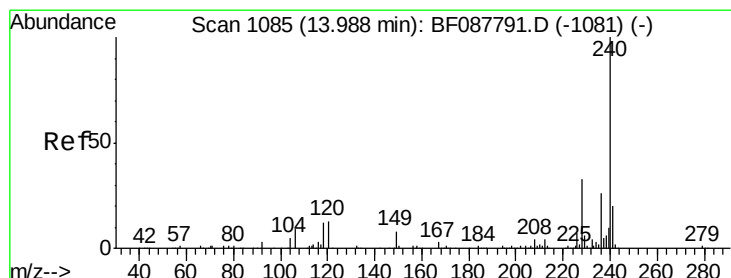
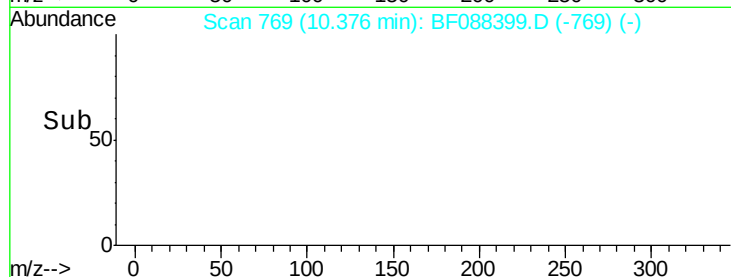
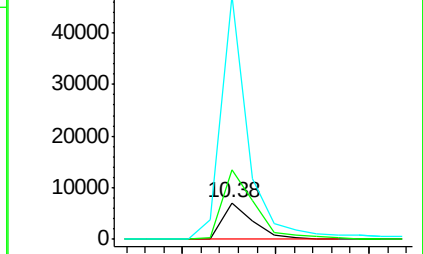
141 668.9 50.6 76.0#



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: 13.69 min Scan# 1059

Delta R.T. -0.06 min

Lab File: BF088399.D

Acq: 26 Jun 2016 4:07

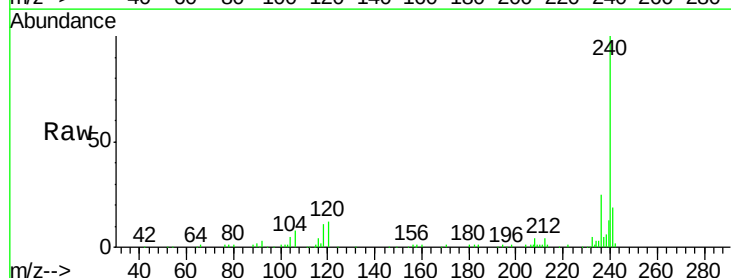
Tgt Ion:240 Resp: 157465

Ion Ratio Lower Upper

240 100

120 12.2 6.8 10.2#

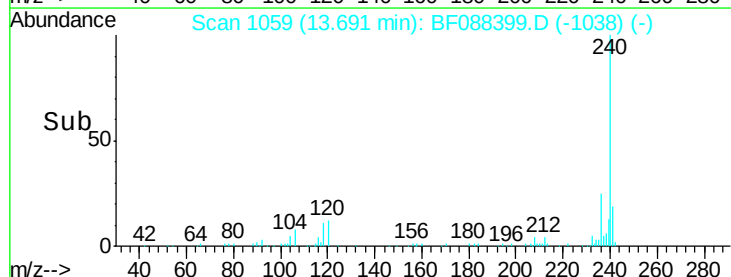
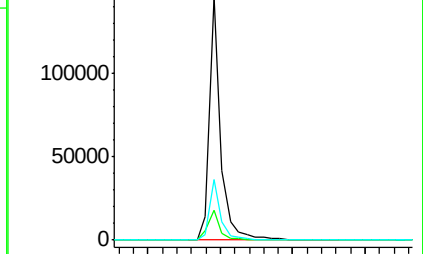
236 25.0 20.2 30.2

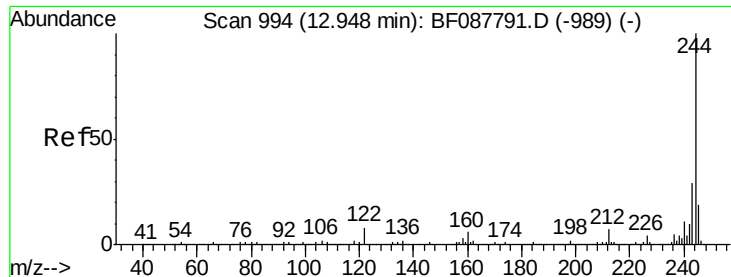


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

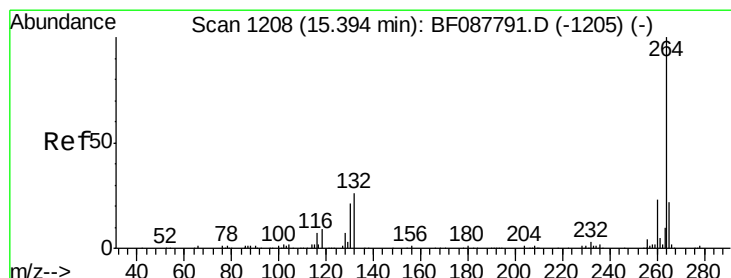
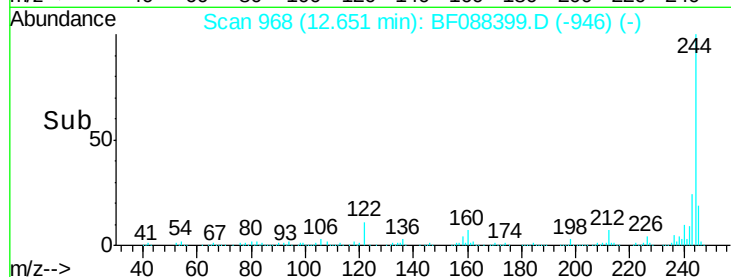
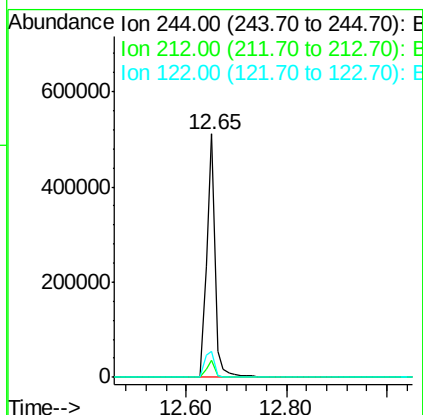
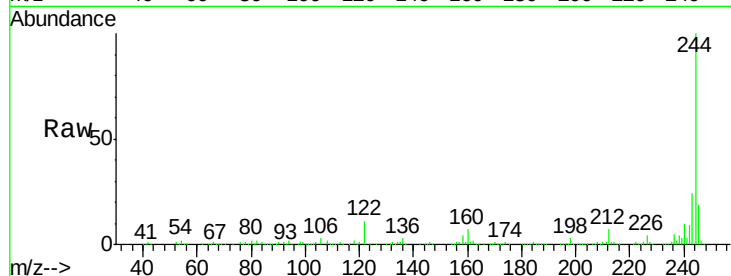




#78
 Terphenyl-d14
 Concen: 84.45 ng
 RT: 12.65 min Scan# 968
 Delta R.T. -0.05 min
 Lab File: BF088399.D
 Acq: 26 Jun 2016 4:07

Instrument :
 BNA_F
 ClientSampleId :
 LAR9934

Tgt Ion:244 Resp: 584393
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.0 9.0
 122 10.8 11.2 16.8#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.04 min Scan# 1177
 Delta R.T. -0.07 min
 Lab File: BF088399.D
 Acq: 26 Jun 2016 4:07

Tgt Ion:264 Resp: 111735
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.2 28.8
 265 21.9 16.9 25.3

