

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080416\
 Data File : BF089599.D
 Acq On : 4 Aug 2016 21:23
 Operator : UM/SJ
 Sample : PB92672BL
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB92672BL

Quant Time: Aug 05 01:51:01 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 05 01:39:23 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.45	152	40356	20.00	ng	0.00
21) Naphthalene-d8	9.47	136	172254	20.00	ng	0.00
38) Acenaphthene-d10	12.28	164	87192	20.00	ng	-0.01
63) Phenanthrene-d10	14.69	188	172729	20.00	ng	-0.01
75) Chrysene-d12	18.38	240	120617	20.00	ng	-0.01
86) Perylene-d12	20.05	264	92587	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.34	112	269609	111.97	ng	0.02
7) Phenol-d6	6.97	99	356825	109.24	ng	-0.01
23) Nitrobenzene-d5	8.34	82	218659	70.21	ng	-0.02
41) 2,4,6-Tribromophenol	13.58	330	76768	106.69	ng	-0.01
44) 2-Fluorobiphenyl	11.24	172	431836	64.37	ng	-0.01
78) Terphenyl-d14	17.05	244	409887	67.09	ng	0.00

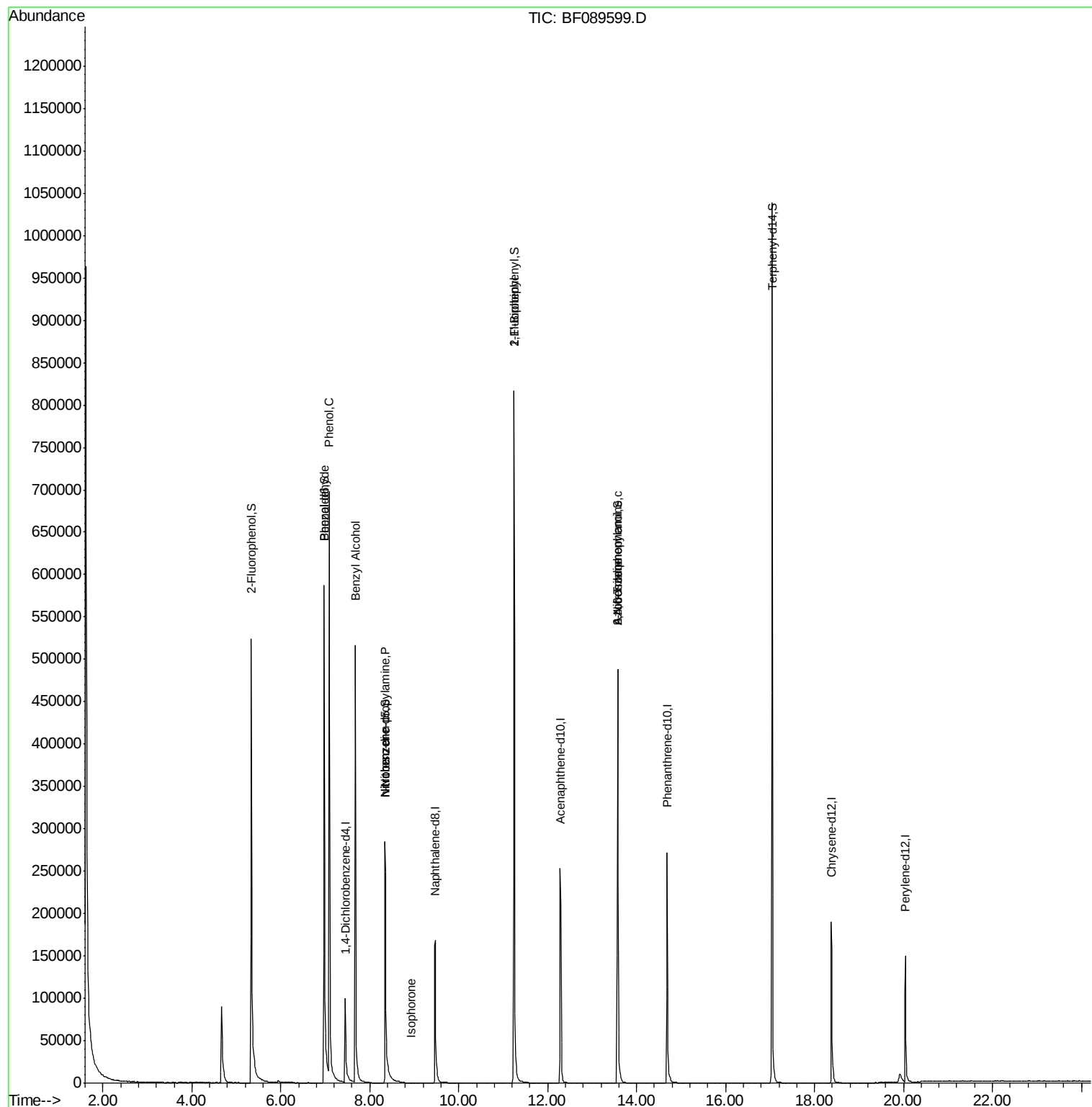
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.97	77	226	0.19	ng	# 1
10) Phenol	7.08	94	241	0.07	ng	# 1
15) Benzyl Alcohol	7.68	79	3575	1.67	ng	# 41
19) n-Nitroso-di-n-propylamine	8.34	70	25778	10.92	ng	# 82
24) Nitrobenzene	8.34	77	232	0.08	ng	# 42
25) Isophorone	8.94	82	739	0.12	ng	# 68
45) 1,1'-Biphenyl	11.24	154	647	0.08	ng	# 1
62) Azobenzene	13.58	77	250	0.04	ng	# 1
65) n-Nitrosodiphenylamine	13.58	169	2838	0.49	ng	# 38

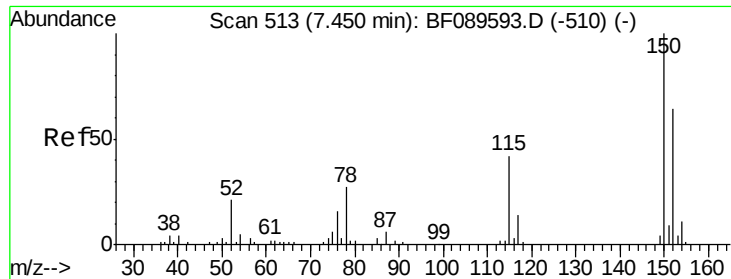
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.45 min Scan# 513

Delta R.T. 0.00 min

Lab File: BF089599.D

Acq: 4 Aug 2016 21:23

Instrument :

BNA_F

ClientSampleId :

PB92672BL

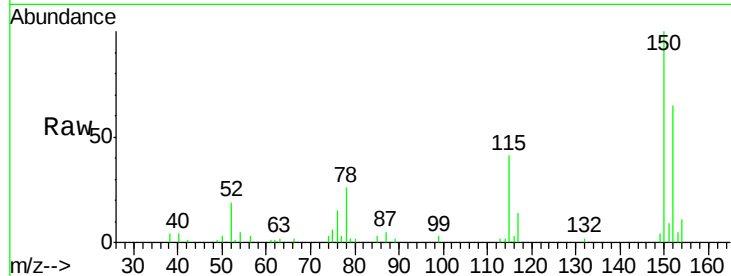
Tgt Ion:152 Resp: 40356

Ion Ratio Lower Upper

152 100

150 153.9 125.5 188.3

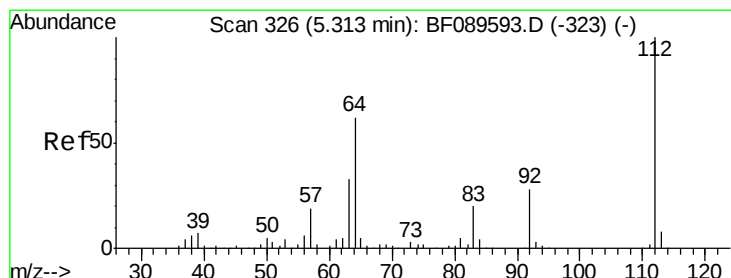
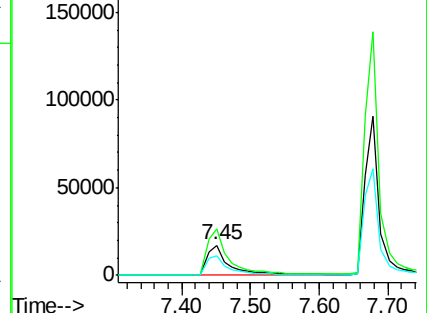
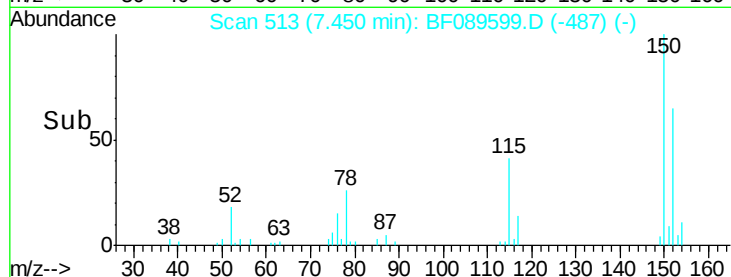
115 63.1 52.0 78.0



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: 111.97 ng

RT: 5.34 min Scan# 328

Delta R.T. 0.02 min

Lab File: BF089599.D

Acq: 4 Aug 2016 21:23

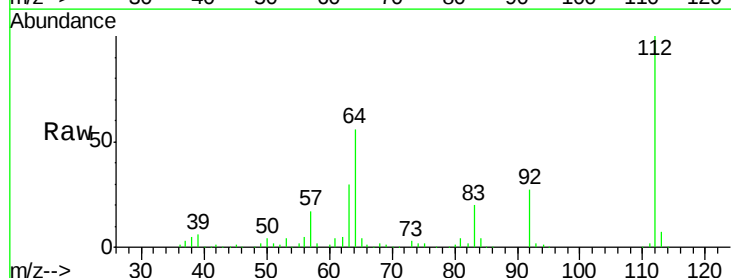
Tgt Ion:112 Resp: 269609

Ion Ratio Lower Upper

112 100

64 55.9 49.9 74.9

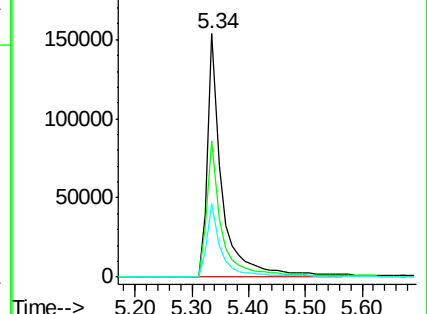
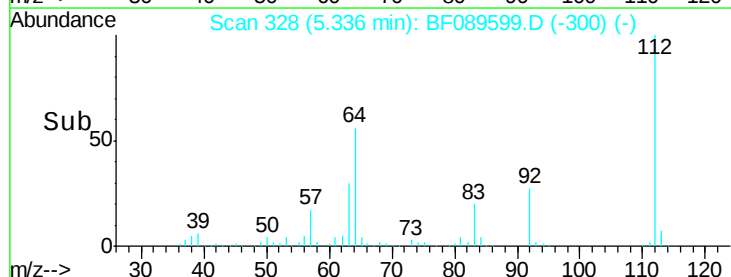
63 30.1 26.1 39.1



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: 109.24 ng

RT: 6.97 min Scan# 471

Delta R.T. -0.01 min

Lab File: BF089599.D

Acq: 4 Aug 2016 21:23

Instrument :

BNA_F

ClientSampleId :

PB92672BL

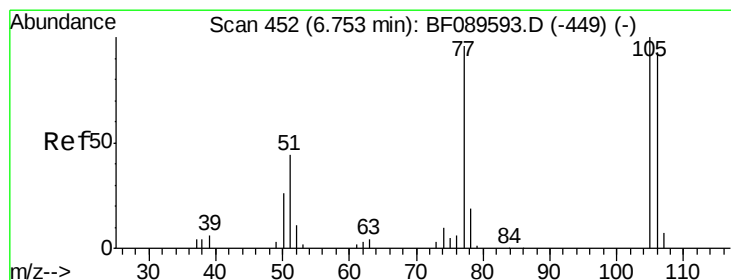
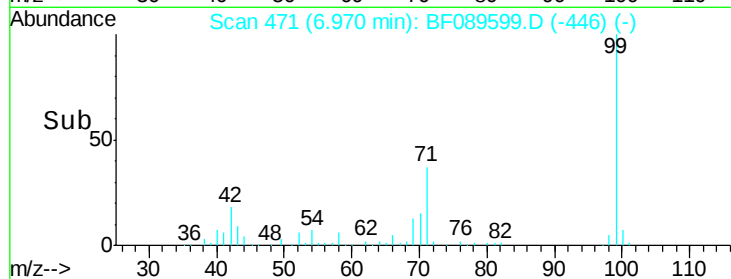
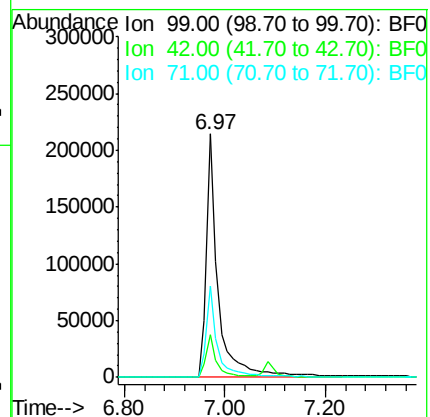
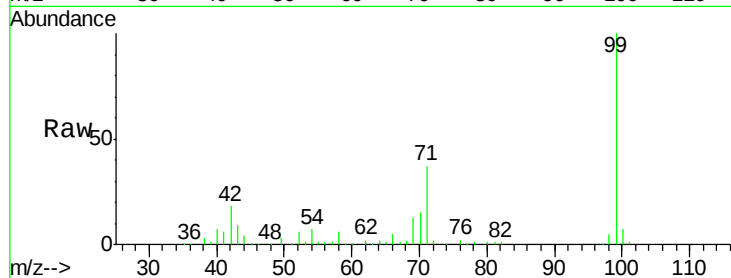
Tgt Ion: 99 Resp: 356825

Ion Ratio Lower Upper

99 100

42 17.7 13.7 20.5

71 37.3 29.0 43.4



#9

Benzaldehyde

Concen: 0.19 ng

RT: 6.97 min Scan# 471

Delta R.T. 0.22 min

Lab File: BF089599.D

Acq: 4 Aug 2016 21:23

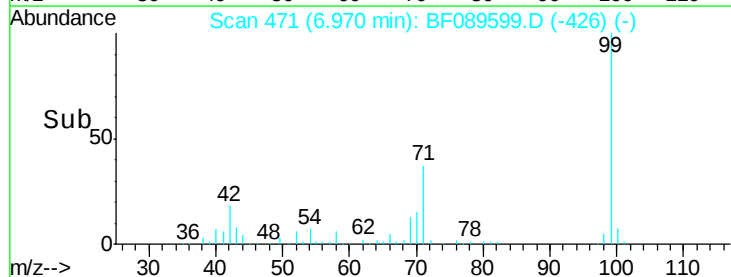
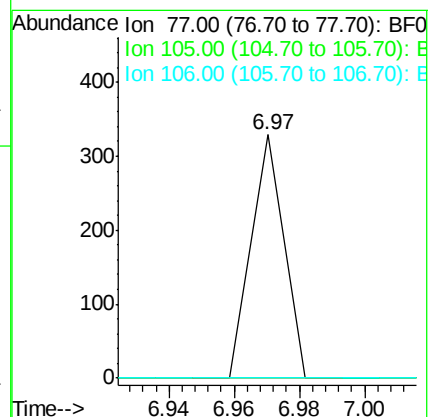
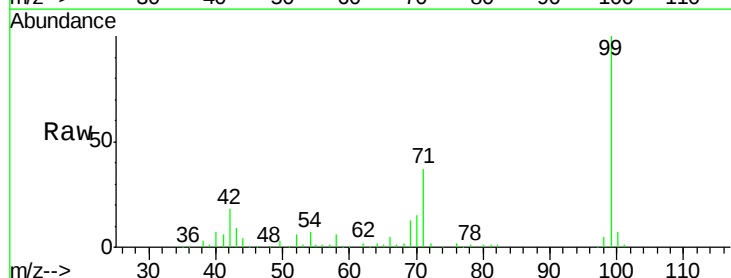
Tgt Ion: 77 Resp: 226

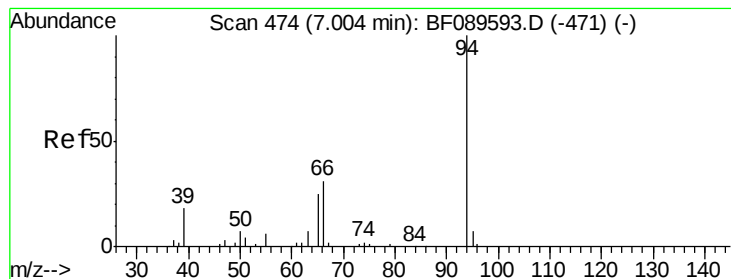
Ion Ratio Lower Upper

77 100

105 0.0 84.7 124.7#

106 0.0 77.1 117.1#





#10

Phenol

Concen: 0.07 ng

RT: 7.08 min Scan# 481

Delta R.T. 0.08 min

Lab File: BF089599.D

Acq: 4 Aug 2016 21:23

Instrument :

BNA_F

ClientSampled :

PB92672BL

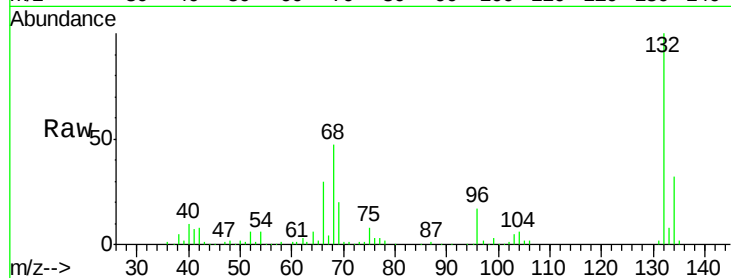
Tgt Ion: 94 Resp: 241

Ion Ratio Lower Upper

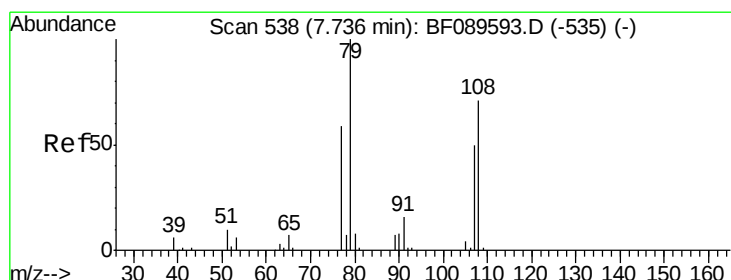
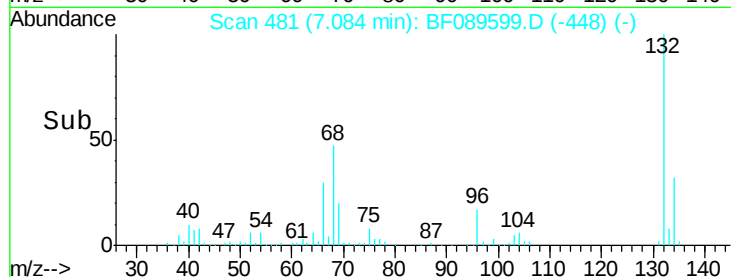
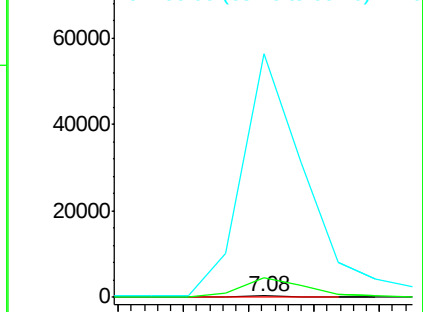
94 100

65 1301.1 11.0 51.0#

66 16004.5 27.4 67.4#



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



#15

Benzyl Alcohol

Concen: 1.67 ng

RT: 7.68 min Scan# 533

Delta R.T. -0.06 min

Lab File: BF089599.D

Acq: 4 Aug 2016 21:23

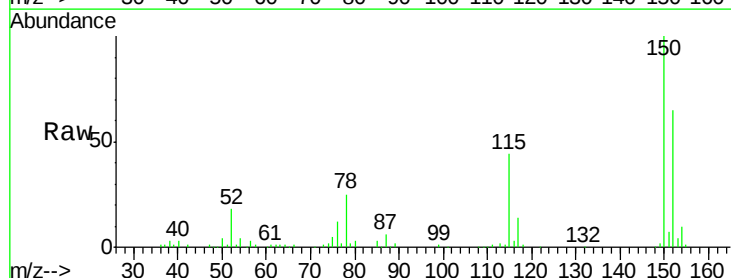
Tgt Ion: 79 Resp: 3575

Ion Ratio Lower Upper

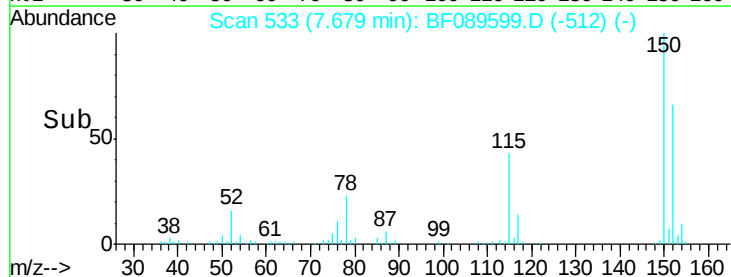
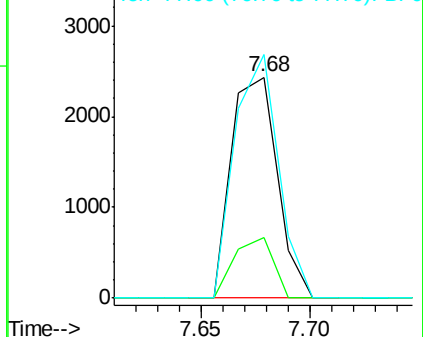
79 100

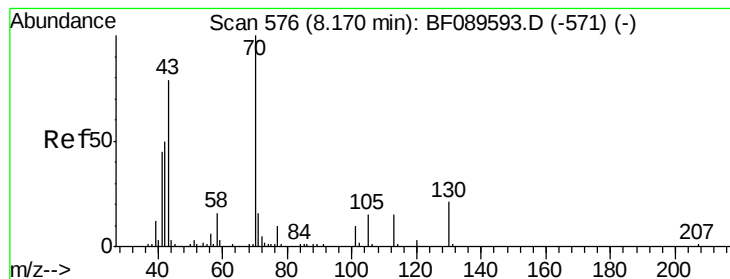
108 27.6 58.3 87.5#

77 110.1 48.7 73.1#



Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): BF0
Ion 77.00 (76.70 to 77.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 10.92 ng

RT: 8.34 min Scan# 591

Delta R.T. 0.17 min

Lab File: BF089599.D

Acq: 4 Aug 2016 21:23

Instrument :

BNA_F

ClientSampleId :

PB92672BL

Tgt Ion: 70 Resp: 25778

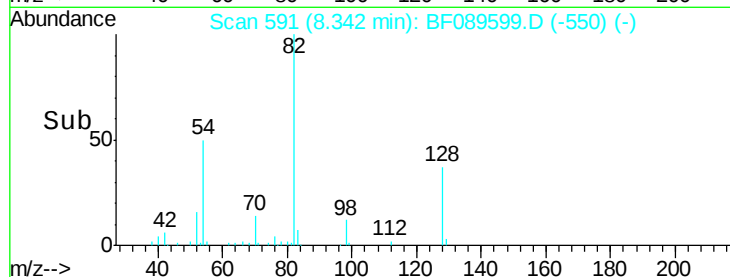
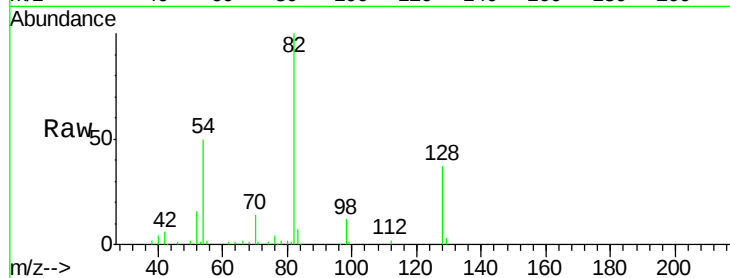
Ion Ratio Lower Upper

70 100

42 46.2 40.2 60.2

101 0.0 7.8 11.6#

130 0.0 16.4 24.6#

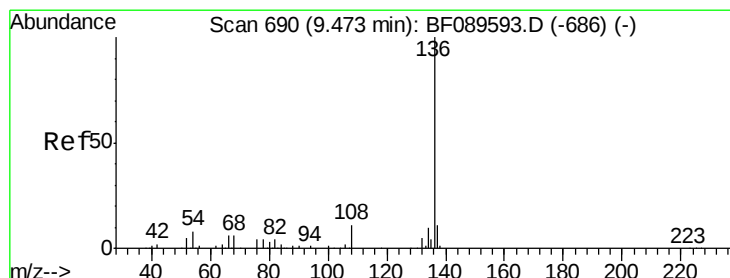
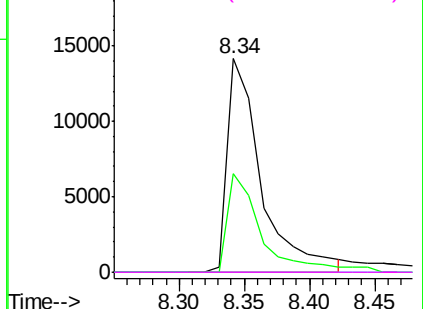


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.47 min Scan# 690

Delta R.T. 0.00 min

Lab File: BF089599.D

Acq: 4 Aug 2016 21:23

Tgt Ion: 136 Resp: 172254

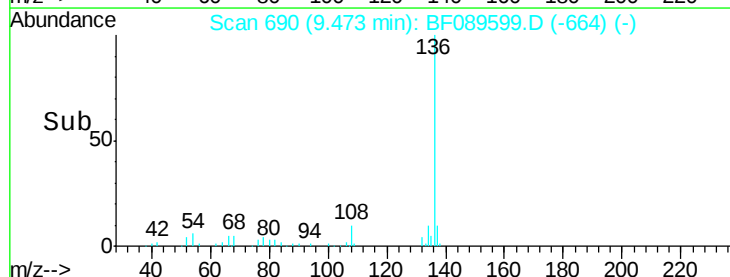
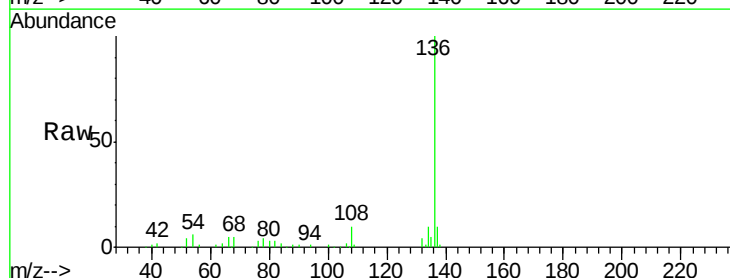
Ion Ratio Lower Upper

136 100

137 10.4 8.6 12.8

54 6.1 6.0 9.0

68 5.4 4.6 6.8

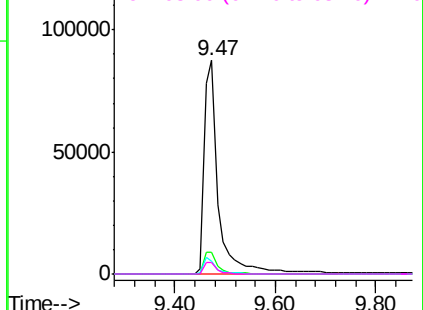


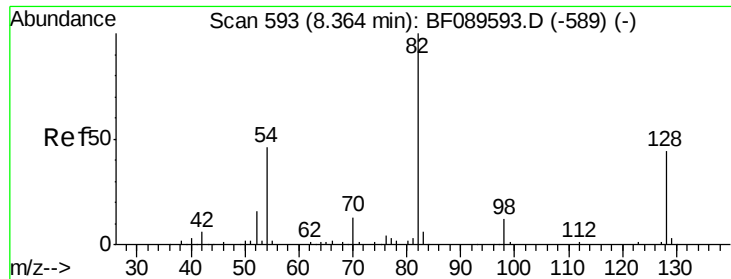
Abundance Ion 136.00 (135.70 to 136.70): E

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

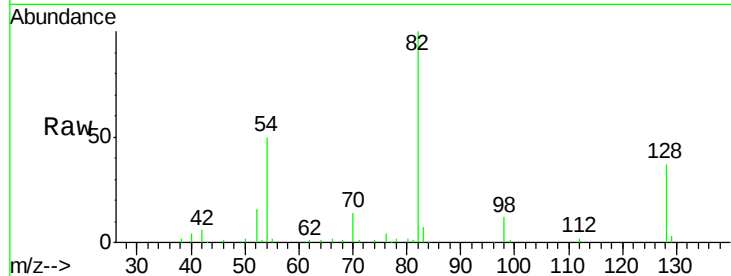




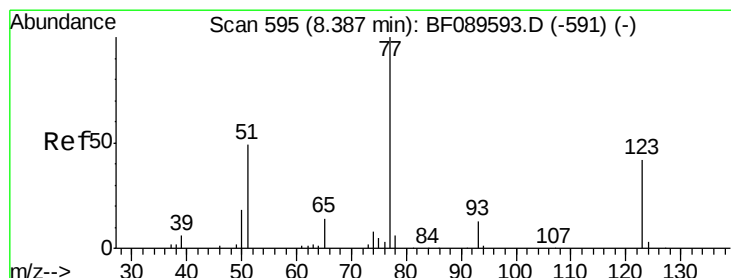
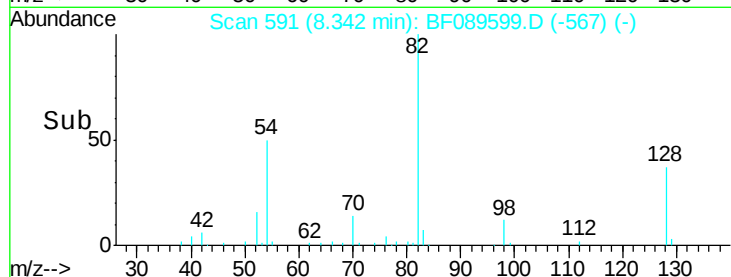
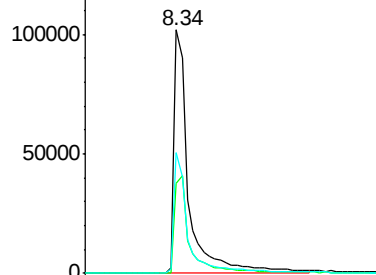
#23
Nitrobenzene-d5
Concen: 70.21 ng
RT: 8.34 min Scan# 591
Delta R.T. -0.02 min
Lab File: BF089599.D
Acq: 4 Aug 2016 21:23

Instrument :
BNA_F
ClientSampleId :
PB92672BL

Tgt Ion: 82 Resp: 218659
Ion Ratio Lower Upper
82 100
128 37.2 35.4 53.0
54 49.6 36.4 54.6

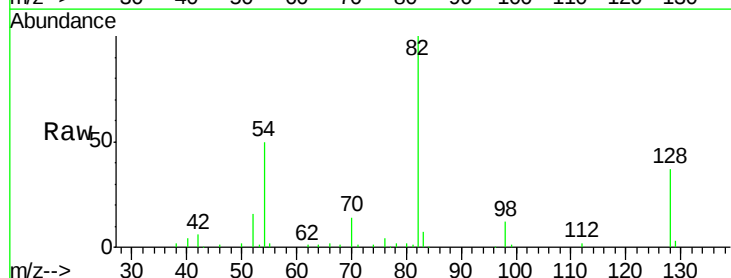


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0

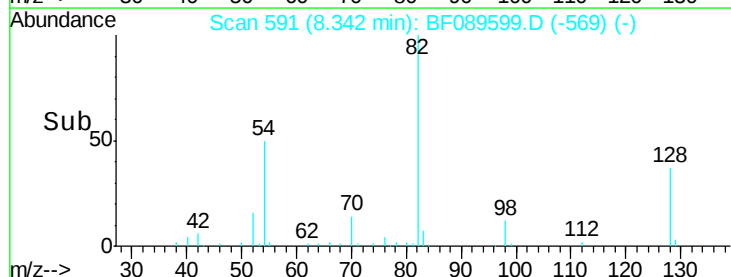
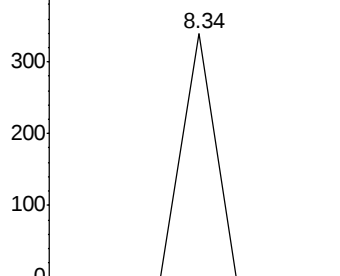


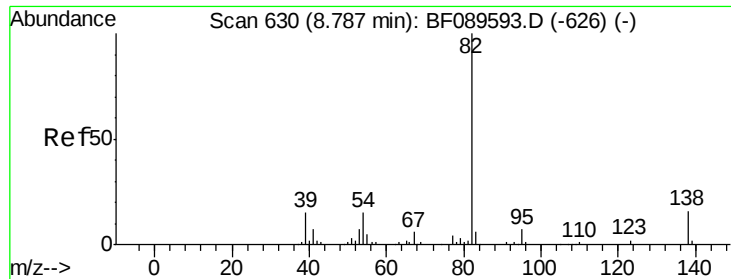
#24
Nitrobenzene
Concen: 0.08 ng
RT: 8.34 min Scan# 591
Delta R.T. -0.05 min
Lab File: BF089599.D
Acq: 4 Aug 2016 21:23

Tgt Ion: 77 Resp: 232
Ion Ratio Lower Upper
77 100
123 0.0 32.6 49.0#
65 0.0 11.0 16.6#



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 123.00 (122.70 to 123.70): B
Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 0.12 ng

RT: 8.94 min Scan# 643

Delta R.T. 0.15 min

Lab File: BF089599.D

Acq: 4 Aug 2016 21:23

Instrument :

BNA_F

ClientSampled :

PB92672BL

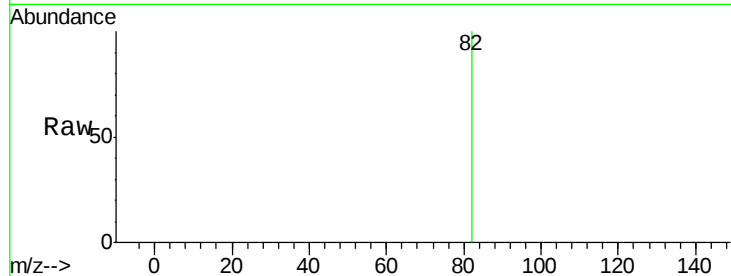
Tgt Ion: 82 Resp: 739

Ion Ratio Lower Upper

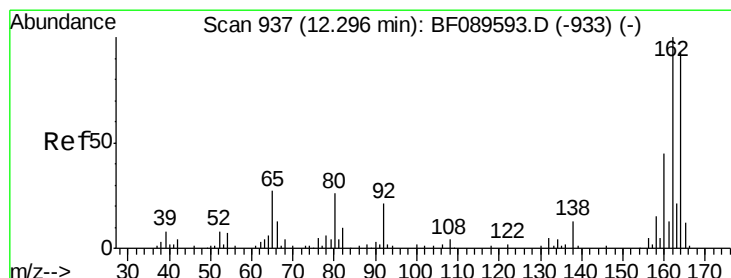
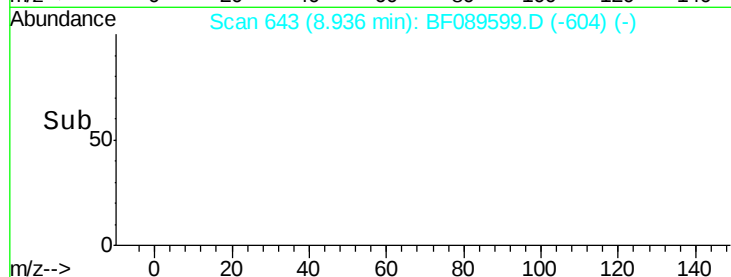
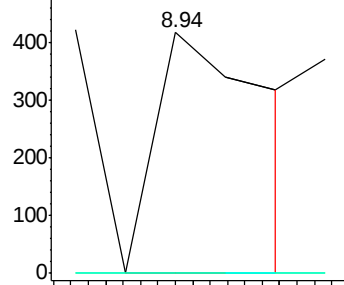
82 100

95 0.0 5.8 8.8#

138 0.0 12.6 18.8#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.28 min Scan# 936

Delta R.T. -0.01 min

Lab File: BF089599.D

Acq: 4 Aug 2016 21:23

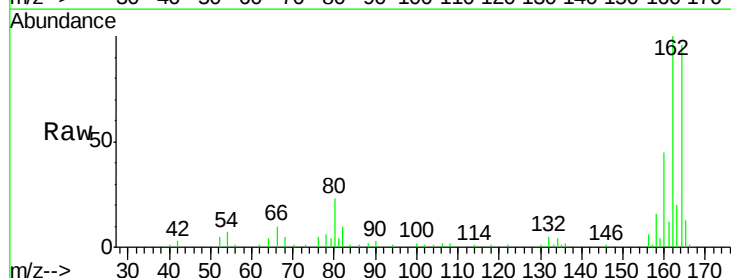
Tgt Ion: 164 Resp: 87192

Ion Ratio Lower Upper

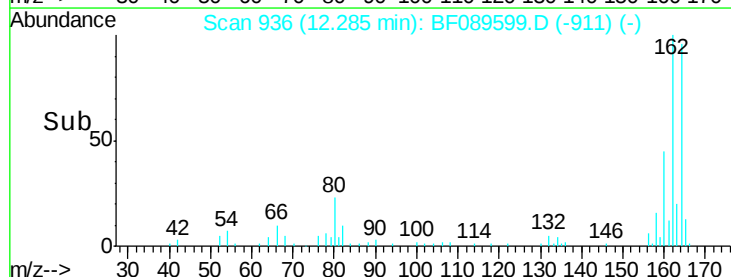
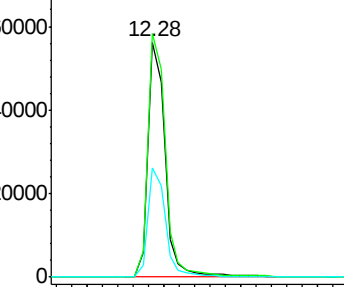
164 100

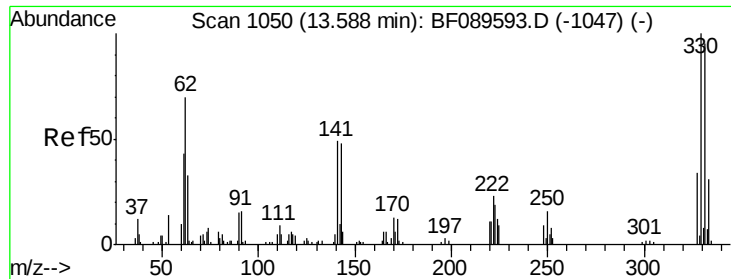
162 103.7 85.7 128.5

160 46.4 38.2 57.4



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

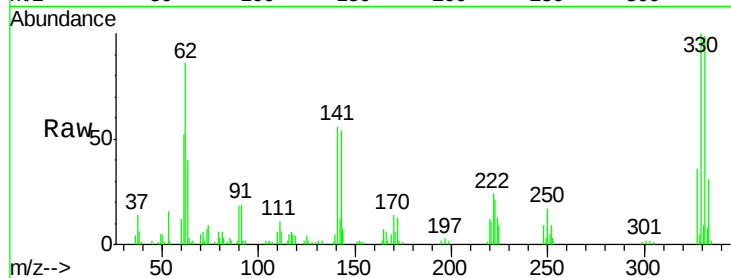




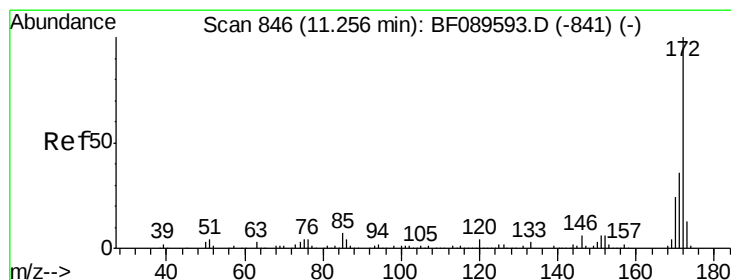
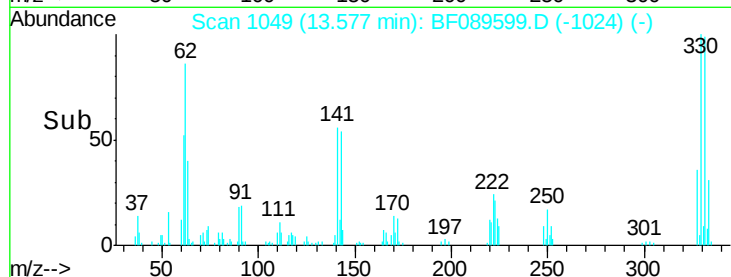
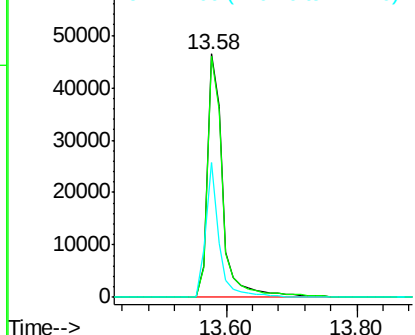
#41
 2,4,6-Tribromophenol
 Concen: 106.69 ng
 RT: 13.58 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: BF089599.D
 Acq: 4 Aug 2016 21:23

Instrument :
 BNA_F
 ClientSampleId :
 PB92672BL

Tgt Ion: 330 Resp: 76768
 Ion Ratio Lower Upper
 330 100
 332 97.9 77.0 115.6
 141 47.8 38.6 57.8

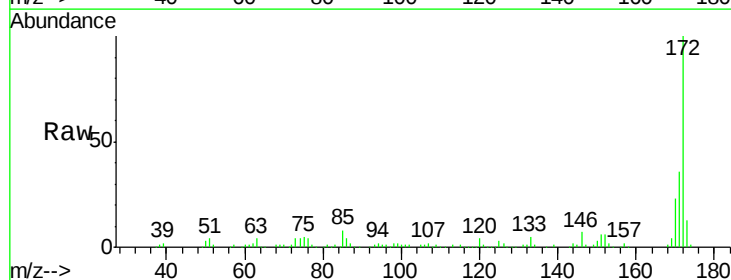


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

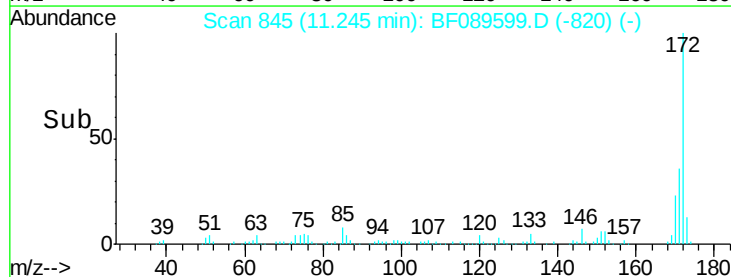
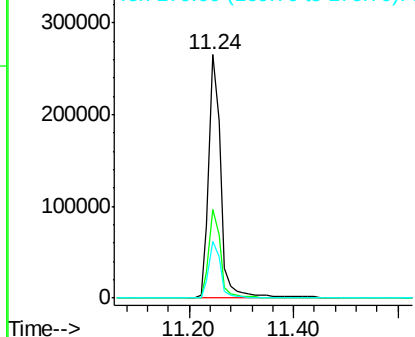


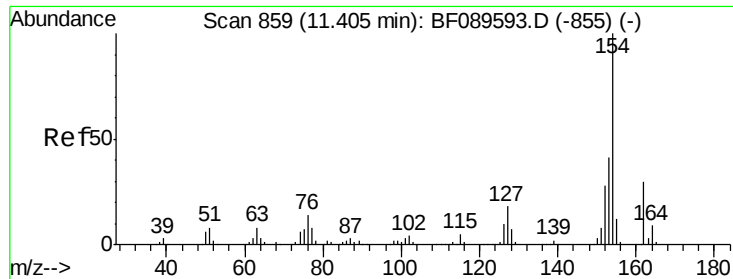
#44
 2-Fluorobiphenyl
 Concen: 64.37 ng
 RT: 11.24 min Scan# 845
 Delta R.T. -0.01 min
 Lab File: BF089599.D
 Acq: 4 Aug 2016 21:23

Tgt Ion: 172 Resp: 431836
 Ion Ratio Lower Upper
 172 100
 171 36.3 28.9 43.3
 170 23.5 19.0 28.6



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

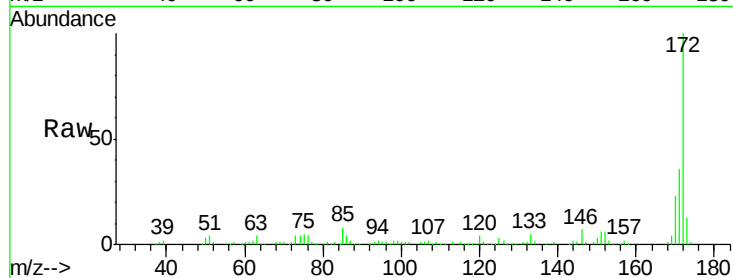




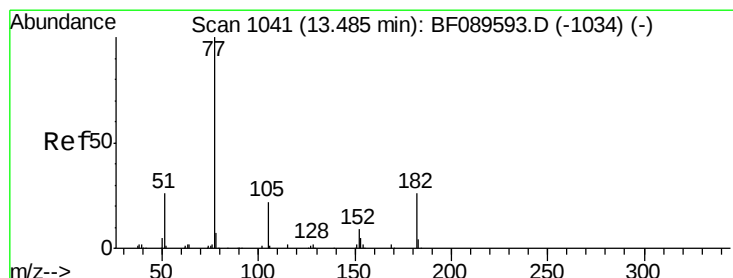
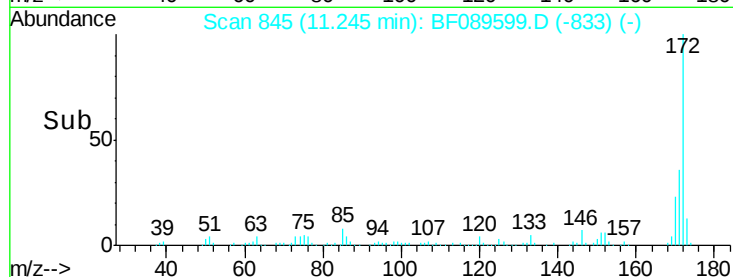
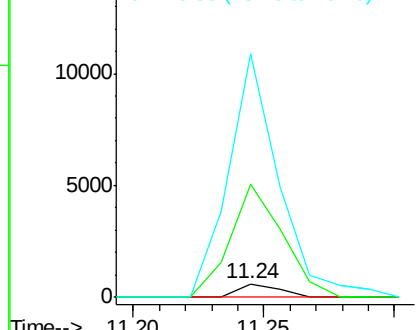
#45
1,1'-Biphenyl
Concen: 0.08 ng
RT: 11.24 min Scan# 845
Delta R.T. -0.16 min
Lab File: BF089599.D
Acq: 4 Aug 2016 21:23

Instrument :
BNA_F
ClientSampleId :
PB92672BL

Tgt Ion: 154 Resp: 647
Ion Ratio Lower Upper
154 100
153 837.4 20.6 60.6#
76 1810.5 0.0 33.7#

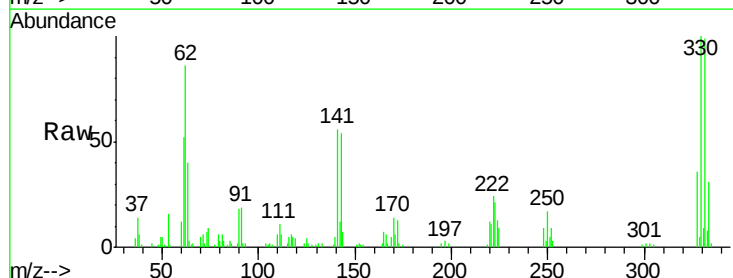


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0

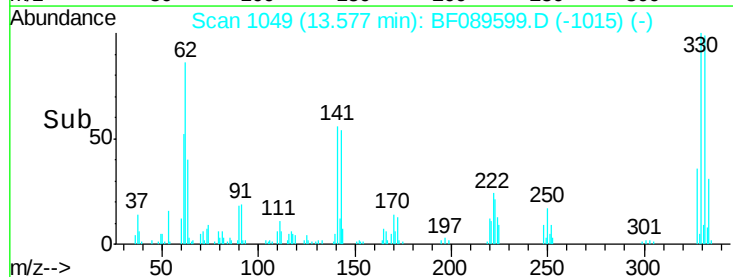
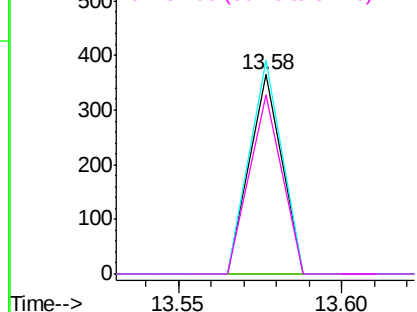


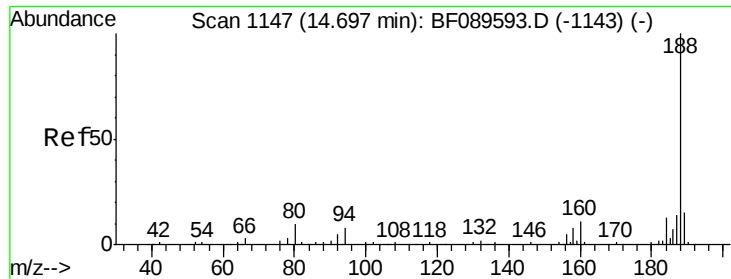
#62
Azobenzene
Concen: 0.04 ng
RT: 13.58 min Scan# 1049
Delta R.T. 0.09 min
Lab File: BF089599.D
Acq: 4 Aug 2016 21:23

Tgt Ion: 77 Resp: 250
Ion Ratio Lower Upper
77 100
182 0.0 5.8 45.8#
105 107.1 2.9 42.9#
51 89.9 7.2 47.2#



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.69 min Scan# 1146

Delta R.T. -0.01 min

Lab File: BF089599.D

Acq: 4 Aug 2016 21:23

Instrument :

BNA_F

ClientSampleId :

PB92672BL

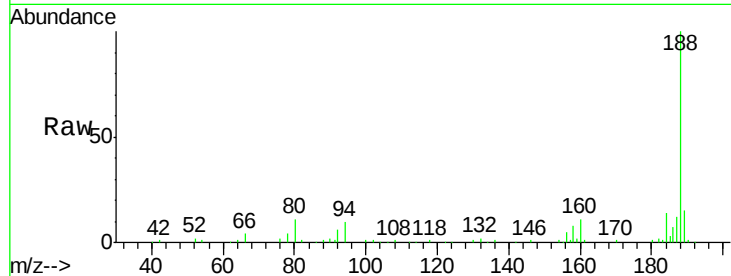
Tgt Ion:188 Resp: 172729

Ion Ratio Lower Upper

188 100

94 9.6 6.5 9.7

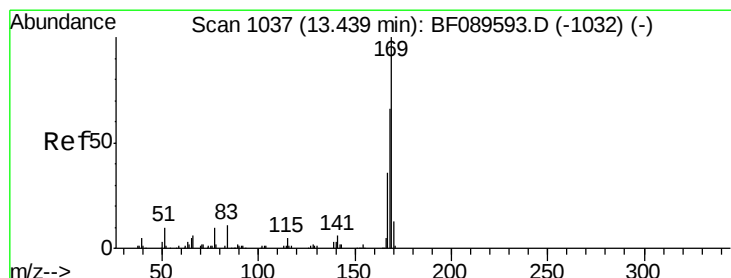
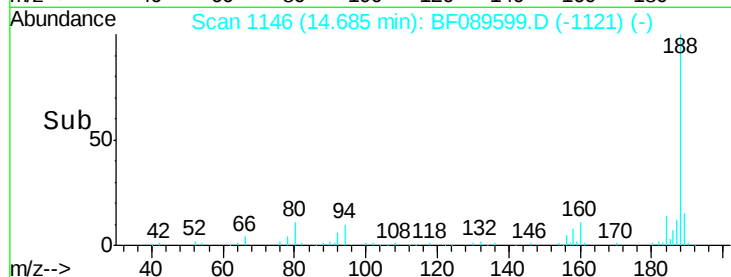
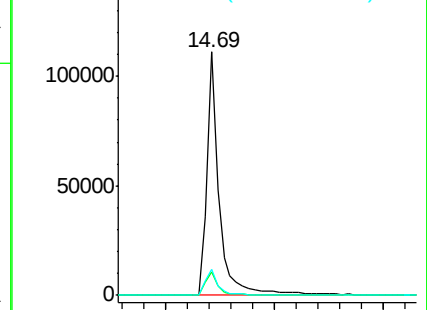
80 10.8 8.0 12.0



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



#65

n-Nitrosodiphenylamine

Concen: 0.49 ng

RT: 13.58 min Scan# 1049

Delta R.T. 0.14 min

Lab File: BF089599.D

Acq: 4 Aug 2016 21:23

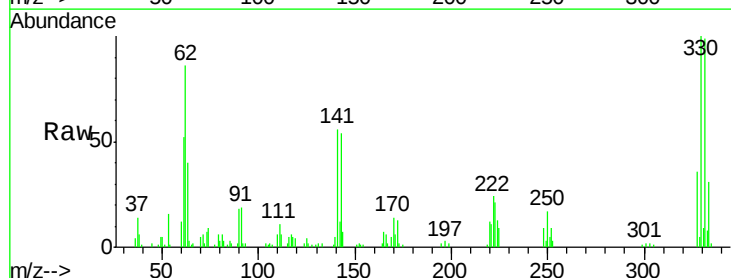
Tgt Ion:169 Resp: 2838

Ion Ratio Lower Upper

169 100

168 0.0 54.2 81.2#

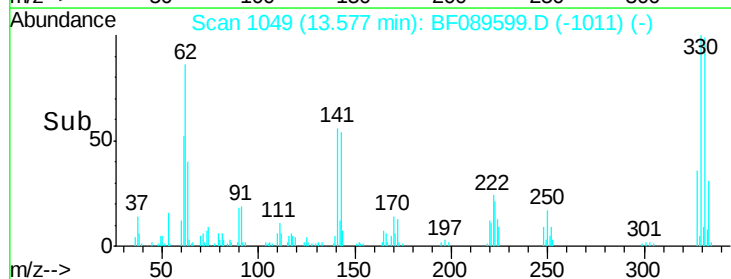
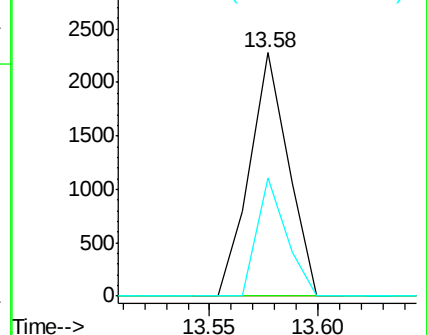
167 48.6 28.9 43.3#

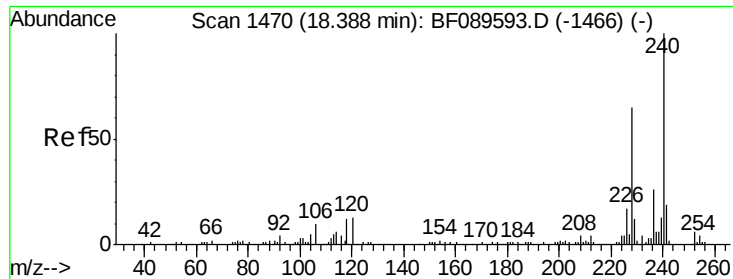


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

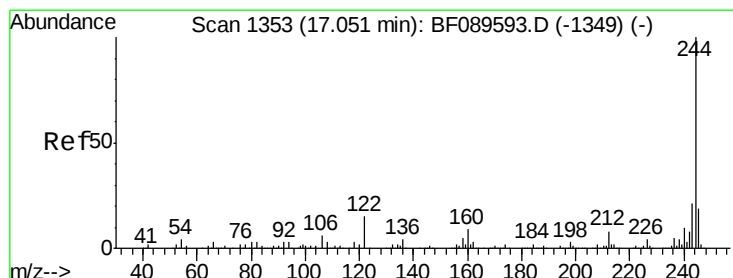
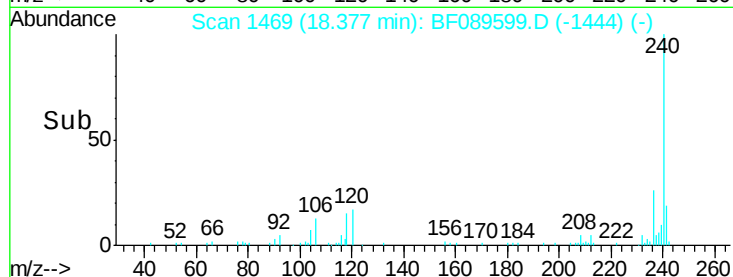
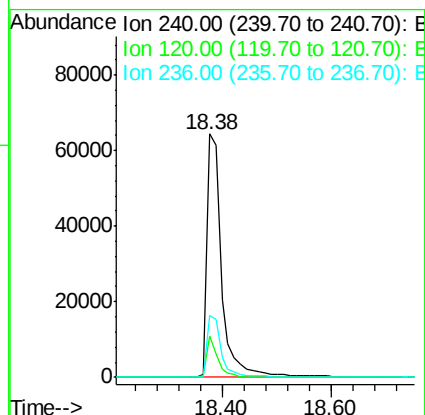
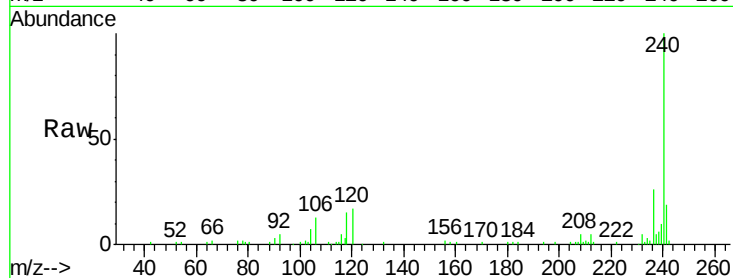




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.38 min Scan# 1469
 Delta R.T. -0.01 min
 Lab File: BF089599.D
 Acq: 4 Aug 2016 21:23

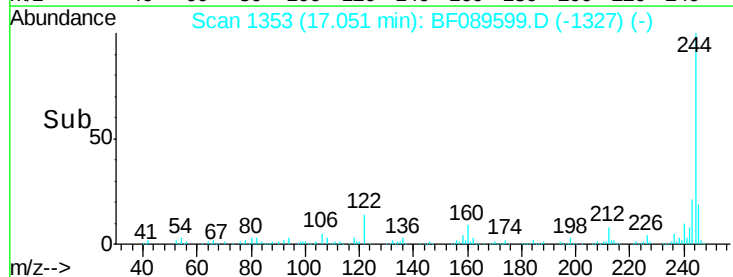
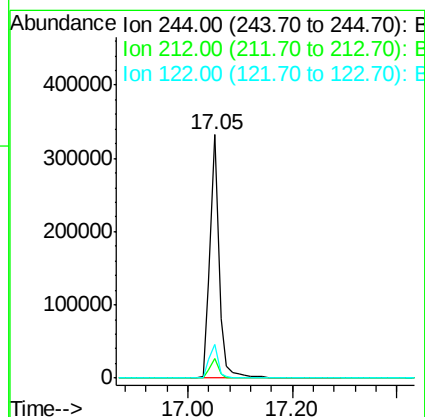
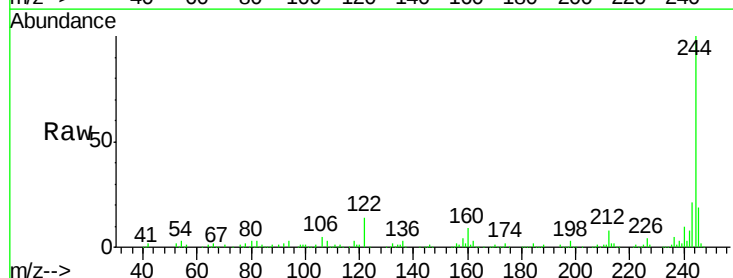
Instrument :
 BNA_F
 ClientSampleId :
 PB92672BL

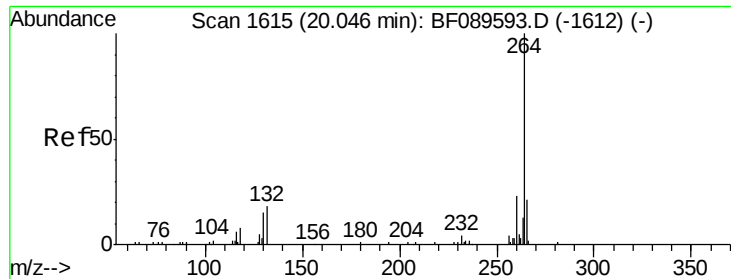
Tgt Ion:240 Resp: 120617
 Ion Ratio Lower Upper
 240 100
 120 16.9 10.6 15.8#
 236 25.6 20.6 30.8



#78
 Terphenyl-d14
 Concen: 67.09 ng
 RT: 17.05 min Scan# 1353
 Delta R.T. 0.00 min
 Lab File: BF089599.D
 Acq: 4 Aug 2016 21:23

Tgt Ion:244 Resp: 409887
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.4 9.6
 122 13.7 12.2 18.2





#86
Perylene-d12
Concen: 20.00 ng
RT: 20.05 min Scan# 1615
Delta R.T. 0.00 min
Lab File: BF089599.D
Acq: 4 Aug 2016 21:23

Instrument :
BNA_F
ClientSampleId :
PB92672BL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.7	28.1
265	20.1	16.5	24.7

