

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080816\
 Data File : BF089665.D
 Acq On : 8 Aug 2016 17:08
 Operator : UM/SJ
 Sample : H4351-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-4A

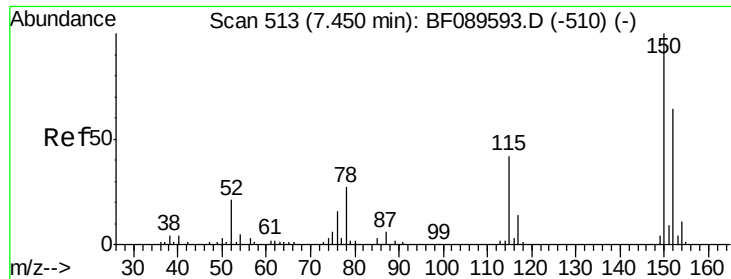
Quant Time: Aug 09 02:30:04 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 05 01:39:23 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	43592	20.00	ng	-0.02
21) Naphthalene-d8	9.45	136	184111	20.00	ng	-0.02
38) Acenaphthene-d10	12.26	164	92649	20.00	ng	-0.03
63) Phenanthrene-d10	14.66	188	183927	20.00	ng	-0.03
75) Chrysene-d12	18.37	240	152845	20.00	ng	-0.02
86) Perylene-d12	20.02	264	108963	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	405667	155.97	ng	0.00
7) Phenol-d6	6.96	99	542320	153.71	ng	-0.02
23) Nitrobenzene-d5	8.33	82	329354	98.95	ng	-0.03
41) 2,4,6-Tribromophenol	13.57	330	111892	146.34	ng	-0.02
44) 2-Fluorobiphenyl	11.23	172	636677	89.31	ng	-0.02
78) Terphenyl-d14	17.04	244	593550	76.66	ng	-0.01

Target Compounds						Qvalue
6) Aniline	7.07	93	527	0.12	ng	# 1
9) Benzaldehyde	6.96	77	514	0.40	ng	# 1
10) Phenol	6.98	94	7905	2.18	ng	# 33
11) bis(2-Chloroethyl)ether	7.07	93	527	0.17	ng	# 1
15) Benzyl Alcohol	7.66	79	5068	2.19	ng	# 47
19) n-Nitroso-di-n-propylamine	8.33	70	40920	16.05	ng	# 83
24) Nitrobenzene	8.33	77	659	0.21	ng	# 42
25) Isophorone	8.96	82	463	0.07	ng	# 68
45) 1,1'-Biphenyl	11.23	154	972	0.12	ng	# 1
49) Dimethylphthalate	11.92	163	134295	18.49	ng	99
50) 2,6-Dinitrotoluene	11.92	165	1186	0.82	ng	# 12
59) Diethylphthalate	13.06	149	537	0.07	ng	# 60
62) Azobenzene	13.55	77	618	0.09	ng	# 6
65) n-Nitrosodiphenylamine	13.55	169	4216	0.68	ng	# 37
73) Di-n-butylphthalate	15.67	149	800	0.07	ng	# 79
83) Bis(2-ethylhexyl)phthalate	18.45	149	457	0.06	ng	# 55

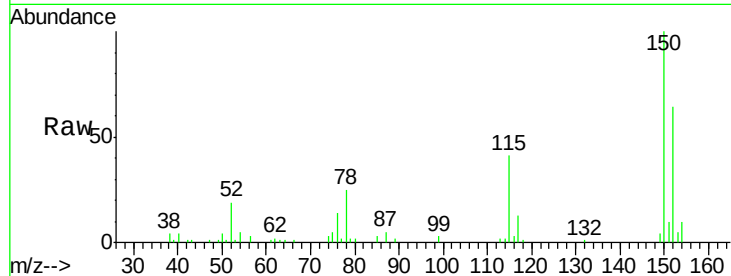
(#) = qualifier out of range (m) = manual integration (+) = signals summed



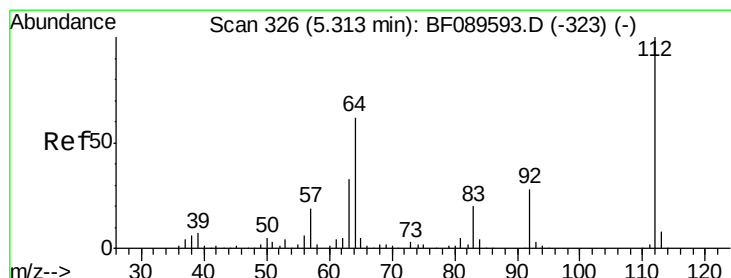
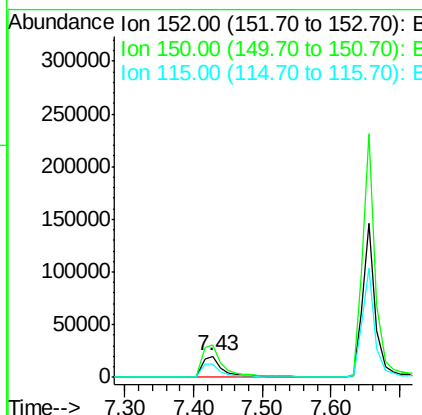
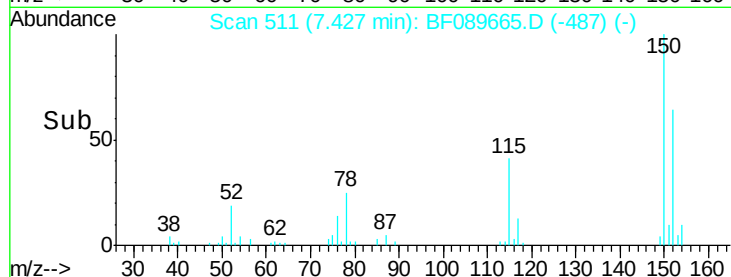
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.43 min Scan# 511
 Delta R.T. -0.02 min
 Lab File: BF089665.D
 Acq: 8 Aug 2016 17:08

Instrument :
 BNA_F
 ClientSampleId :
 SB-4A

Tgt Ion:152 Resp: 43592
 Ion Ratio Lower Upper
 152 100
 150 155.6 125.5 188.3
 115 64.0 52.0 78.0

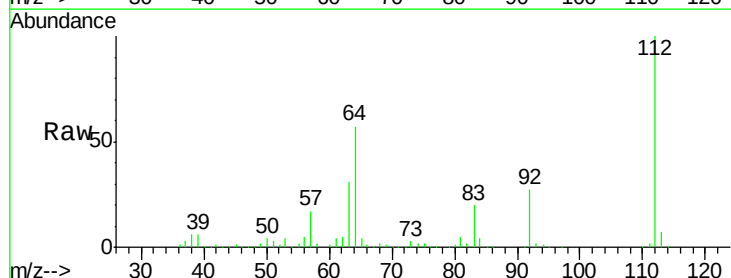


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

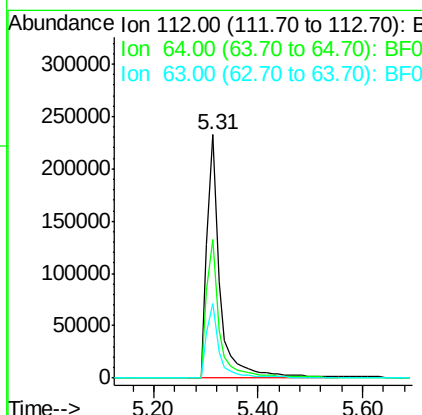
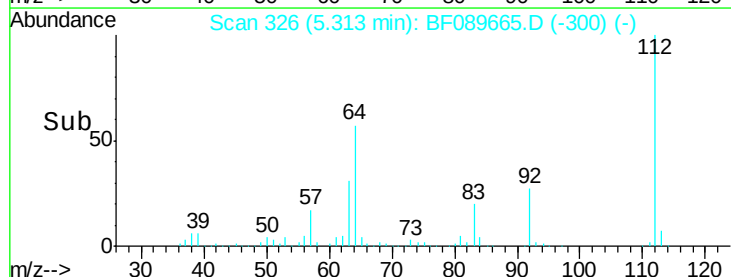


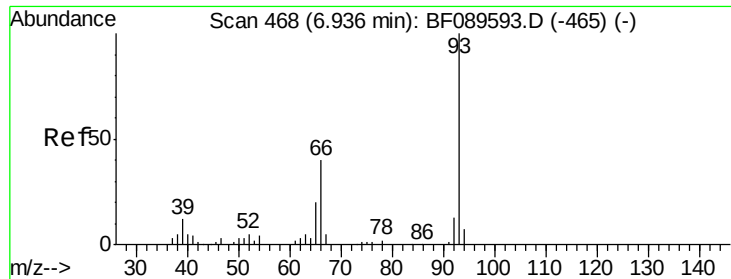
#5
 2-Fluorophenol
 Concen: 155.97 ng
 RT: 5.31 min Scan# 326
 Delta R.T. 0.00 min
 Lab File: BF089665.D
 Acq: 8 Aug 2016 17:08

Tgt Ion:112 Resp: 405667
 Ion Ratio Lower Upper
 112 100
 64 57.1 49.9 74.9
 63 30.9 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





#6

Aniline

Concen: 0.12 ng

RT: 7.07 min Scan# 480

Delta R.T. 0.14 min

Lab File: BF089665.D

Acq: 8 Aug 2016 17:08

Instrument :

BNA_F

ClientSampleId :

SB-4A

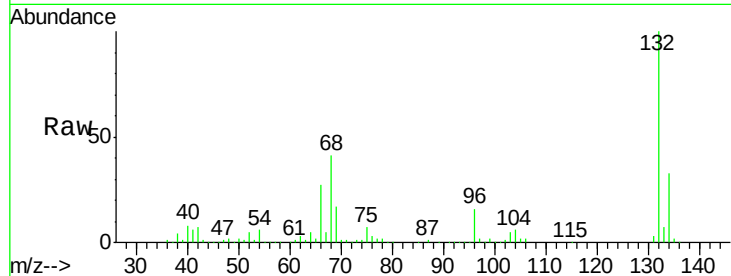
Tgt Ion: 93 Resp: 527

Ion Ratio Lower Upper

93 100

66 18123.6 32.2 48.2#

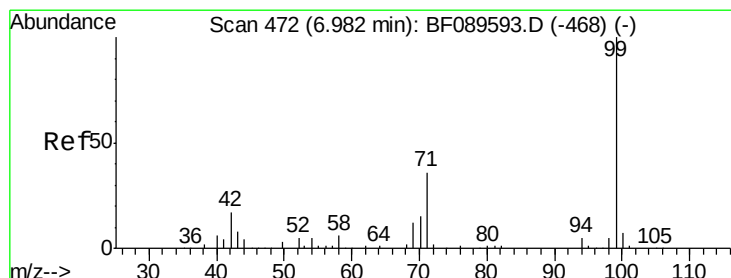
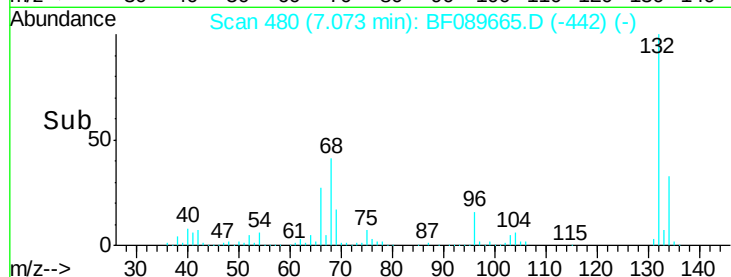
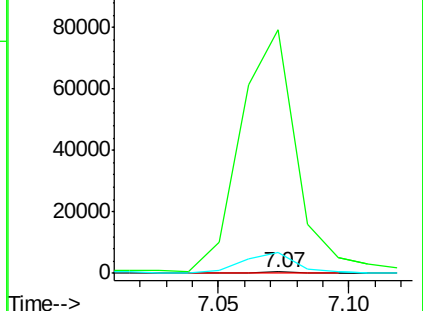
65 1530.0 15.8 23.8#



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0



#7

Phenol-d6

Concen: 153.71 ng

RT: 6.96 min Scan# 470

Delta R.T. -0.02 min

Lab File: BF089665.D

Acq: 8 Aug 2016 17:08

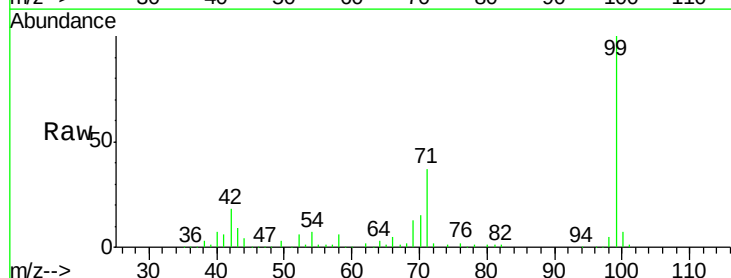
Tgt Ion: 99 Resp: 542320

Ion Ratio Lower Upper

99 100

42 17.9 13.7 20.5

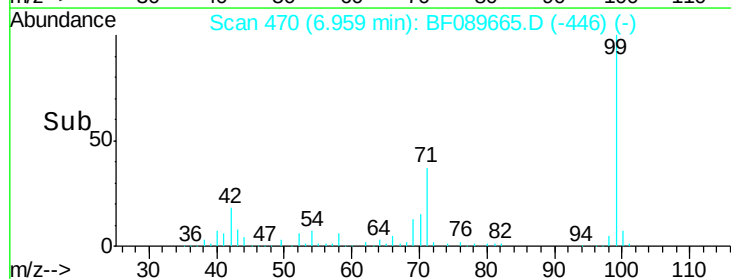
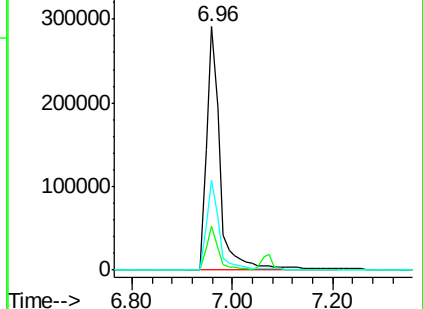
71 37.2 29.0 43.4

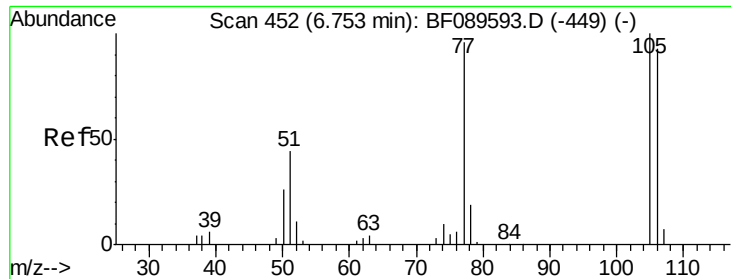


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 0.40 ng

RT: 6.96 min Scan# 470

Delta R.T. 0.21 min

Lab File: BF089665.D

Acq: 8 Aug 2016 17:08

Instrument :

BNA_F

ClientSampleId :

SB-4A

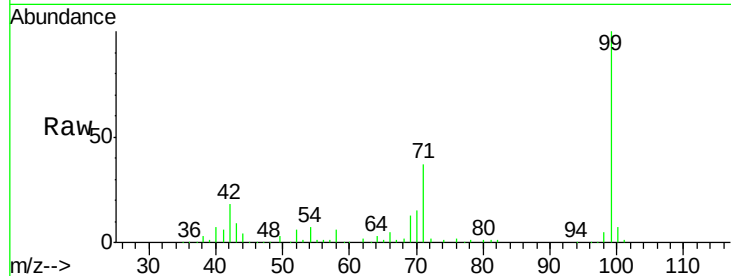
Tgt Ion: 77 Resp: 514

Ion Ratio Lower Upper

77 100

105 0.0 84.7 124.7#

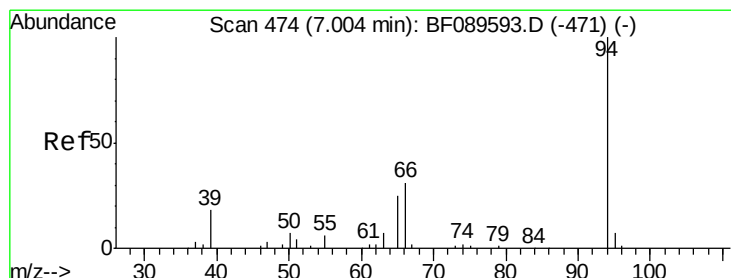
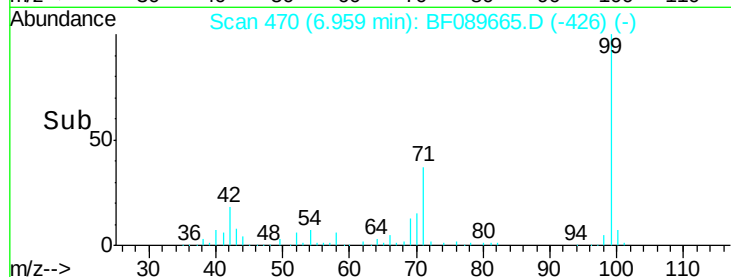
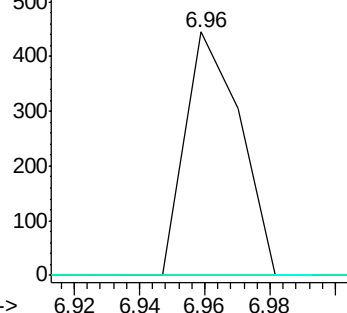
106 0.0 77.1 117.1#



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: 2.18 ng

RT: 6.98 min Scan# 472

Delta R.T. -0.02 min

Lab File: BF089665.D

Acq: 8 Aug 2016 17:08

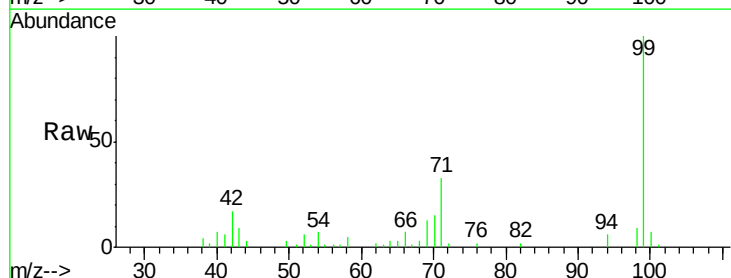
Tgt Ion: 94 Resp: 7905

Ion Ratio Lower Upper

94 100

65 42.7 11.0 51.0

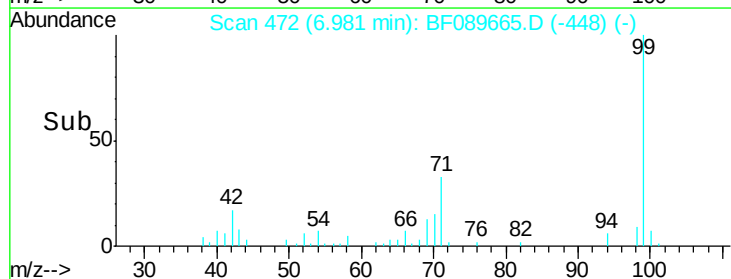
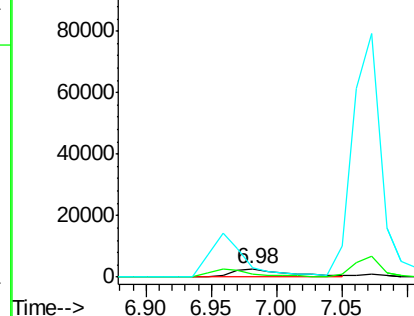
66 112.0 27.4 67.4#

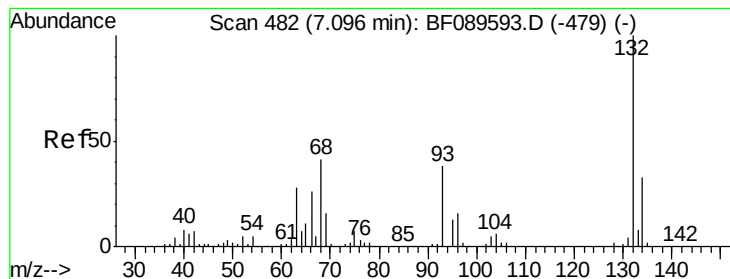


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

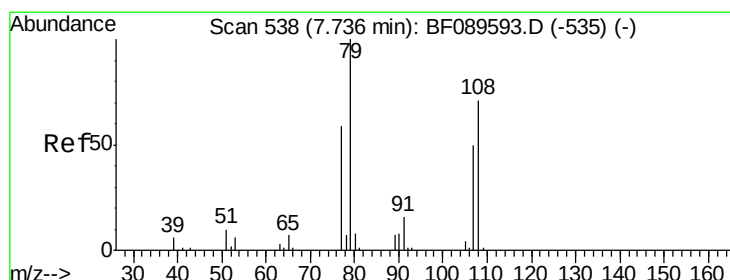
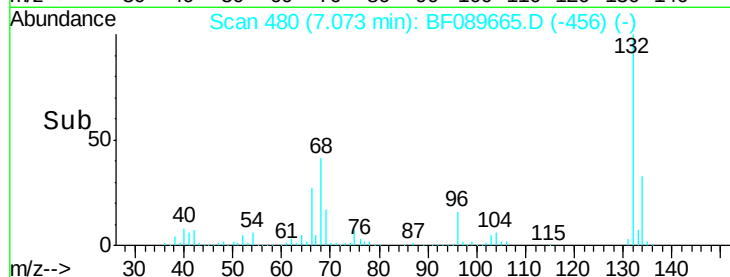
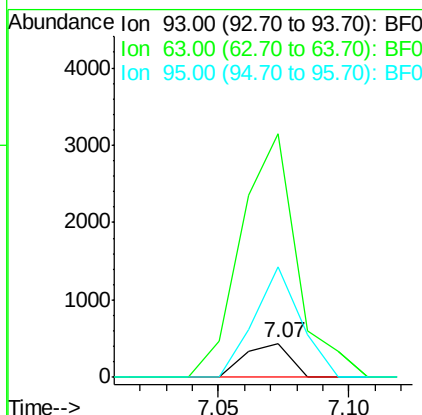
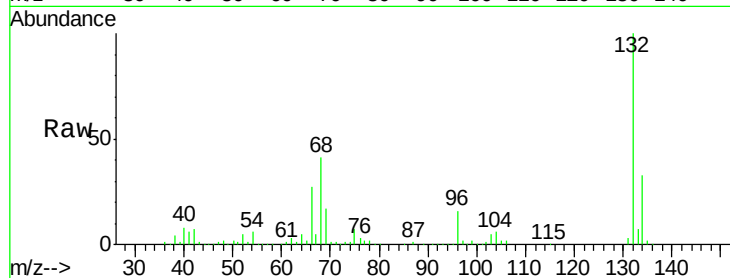




#11
bis(2-Chloroethyl)ether
Concen: 0.17 ng
RT: 7.07 min Scan# 480
Delta R.T. -0.02 min
Lab File: BF089665.D
Acq: 8 Aug 2016 17:08

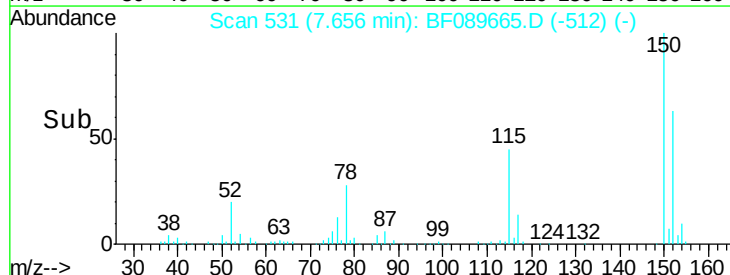
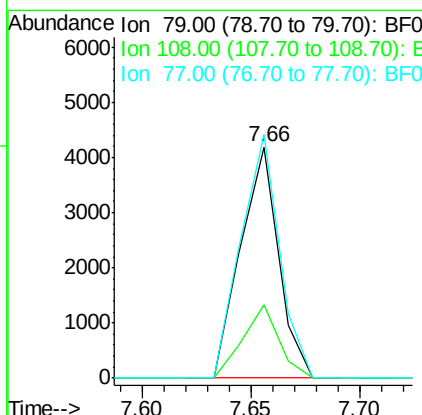
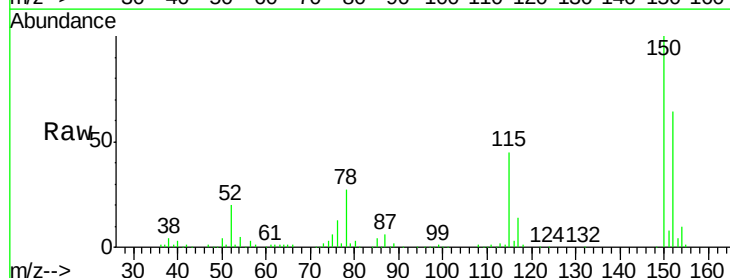
Instrument :
BNA_F
ClientSampleId :
SB-4A

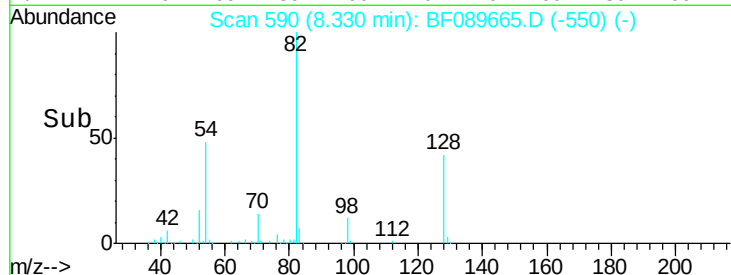
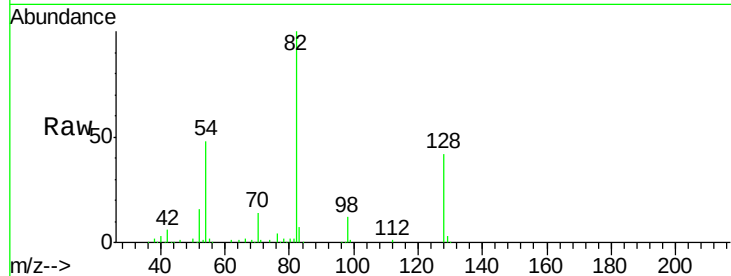
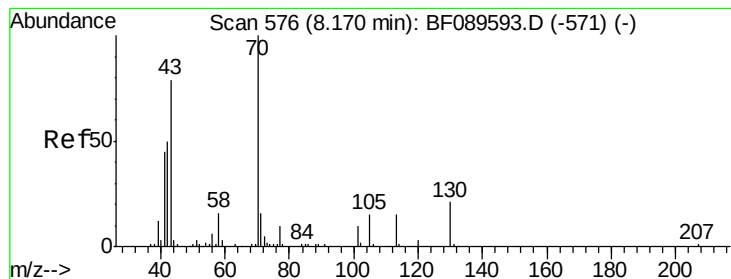
Tgt Ion: 93 Resp: 527
Ion Ratio Lower Upper
93 100
63 720.1 52.2 92.2#
95 328.4 13.1 53.1#



#15
Benzyl Alcohol
Concen: 2.19 ng
RT: 7.66 min Scan# 531
Delta R.T. -0.08 min
Lab File: BF089665.D
Acq: 8 Aug 2016 17:08

Tgt Ion: 79 Resp: 5068
Ion Ratio Lower Upper
79 100
108 31.8 58.3 87.5#
77 105.3 48.7 73.1#





#19

n-Nitroso-di-n-propylamine

Concen: 16.05 ng

RT: 8.33 min Scan# 590

Delta R.T. 0.16 min

Lab File: BF089665.D

Acq: 8 Aug 2016 17:08

Instrument :

BNA_F

ClientSampleId :

SB-4A

Tgt Ion: 70 Resp: 40920

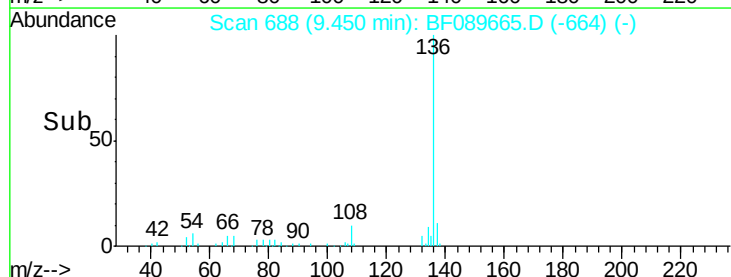
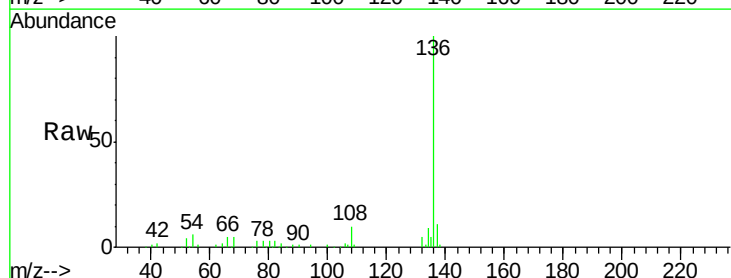
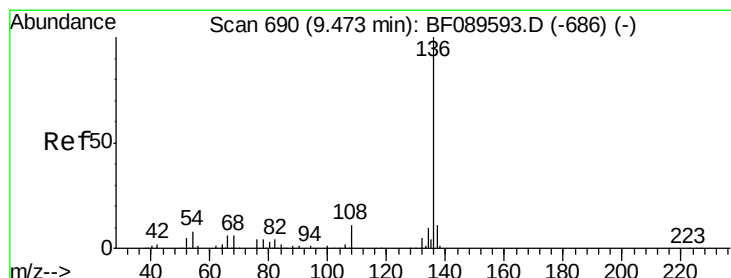
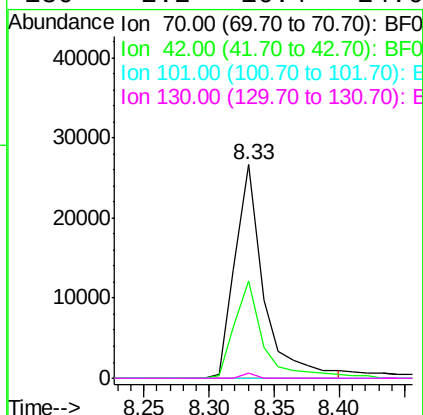
Ion Ratio Lower Upper

70 100

42 45.5 40.2 60.2

101 0.0 7.8 11.6#

130 2.2 16.4 24.6#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.45 min Scan# 688

Delta R.T. -0.02 min

Lab File: BF089665.D

Acq: 8 Aug 2016 17:08

Tgt Ion: 136 Resp: 184111

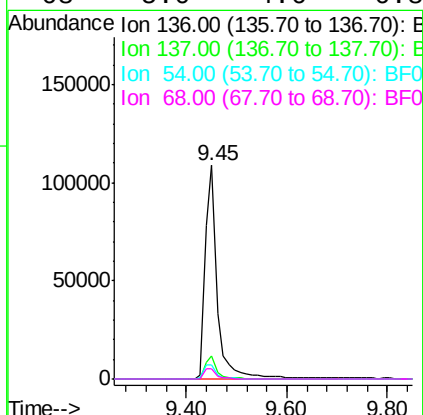
Ion Ratio Lower Upper

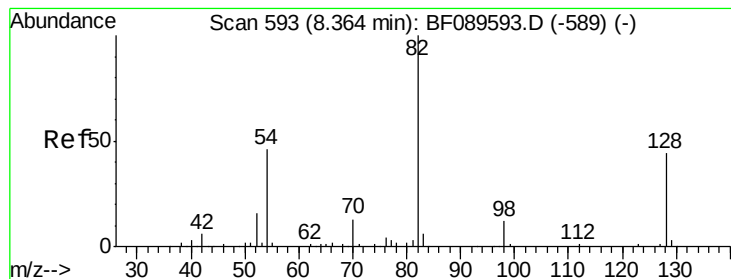
136 100

137 10.9 8.6 12.8

54 6.4 6.0 9.0

68 5.0 4.6 6.8





#23

Nitrobenzene-d5

Concen: 98.95 ng

RT: 8.33 min Scan# 590

Delta R.T. -0.03 min

Lab File: BF089665.D

Acq: 8 Aug 2016 17:08

Instrument :

BNA_F

ClientSampleId :

SB-4A

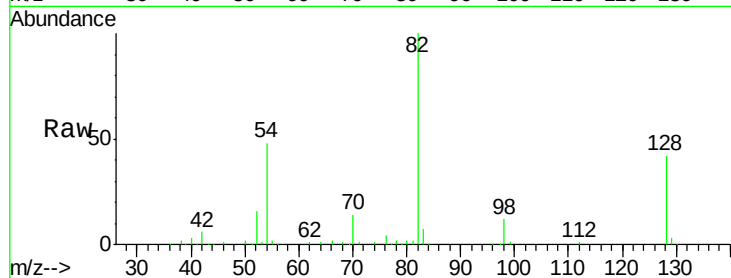
Tgt Ion: 82 Resp: 329354

Ion Ratio Lower Upper

82 100

128 42.0 35.4 53.0

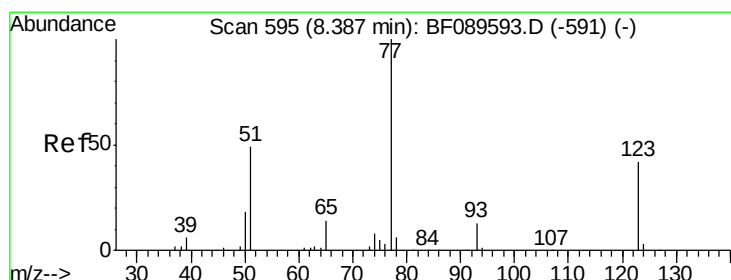
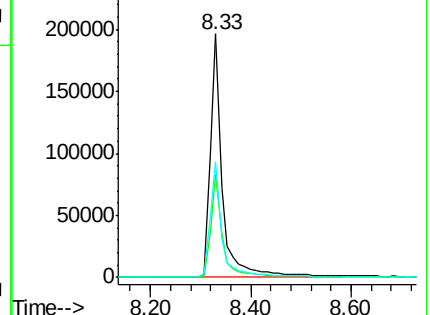
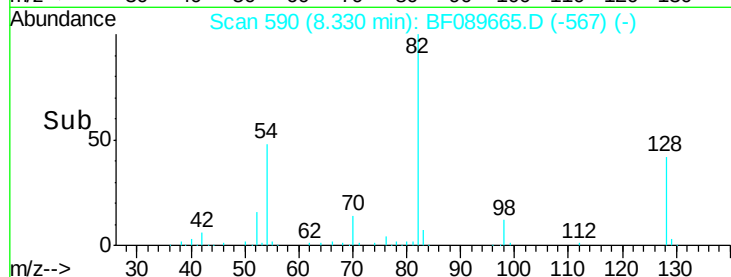
54 47.7 36.4 54.6



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#24

Nitrobenzene

Concen: 0.21 ng

RT: 8.33 min Scan# 590

Delta R.T. -0.06 min

Lab File: BF089665.D

Acq: 8 Aug 2016 17:08

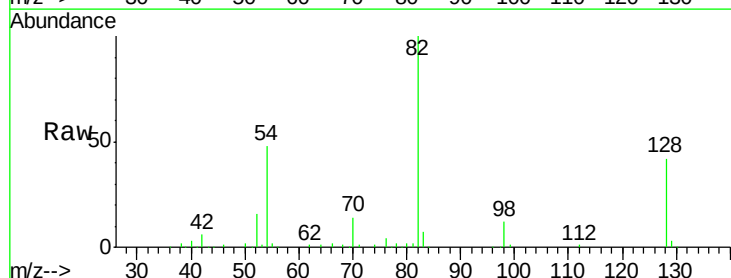
Tgt Ion: 77 Resp: 659

Ion Ratio Lower Upper

77 100

123 0.0 32.6 49.0#

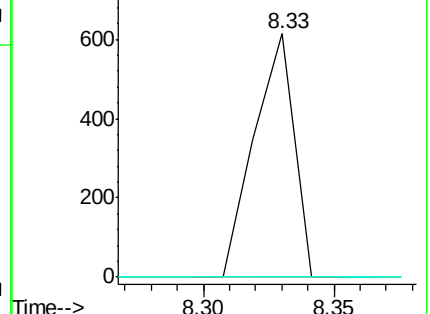
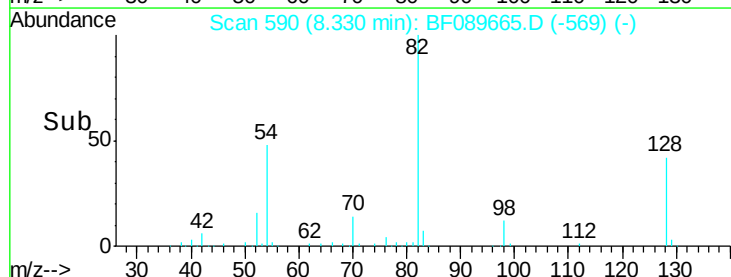
65 0.0 11.0 16.6#

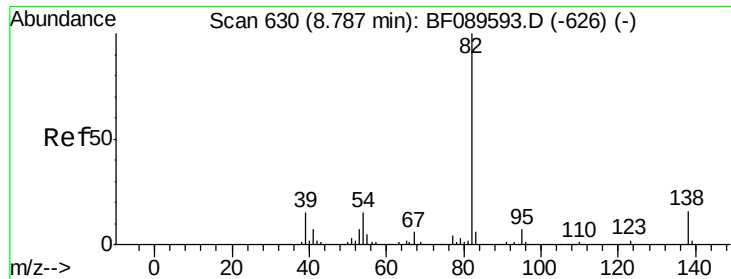


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 0.07 ng

RT: 8.96 min Scan# 645

Delta R.T. 0.17 min

Lab File: BF089665.D

Acq: 8 Aug 2016 17:08

Instrument :

BNA_F

ClientSampleId :

SB-4A

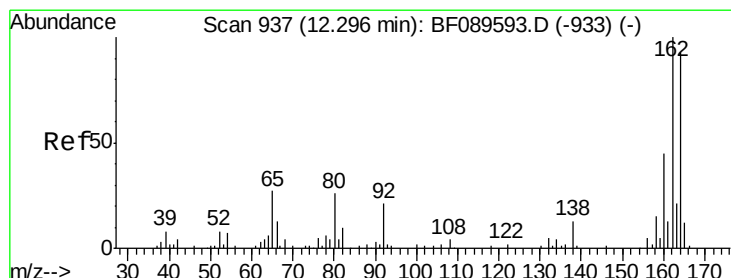
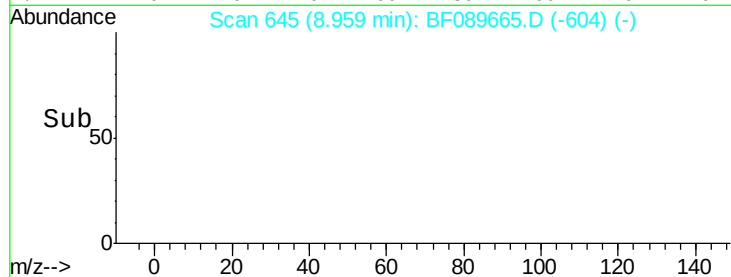
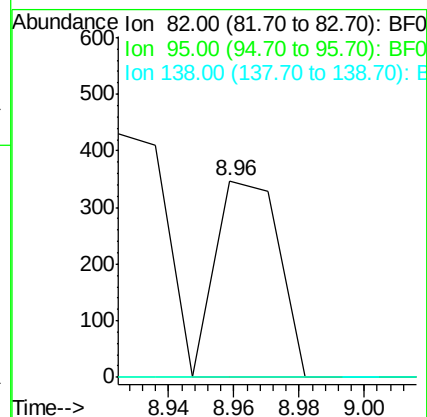
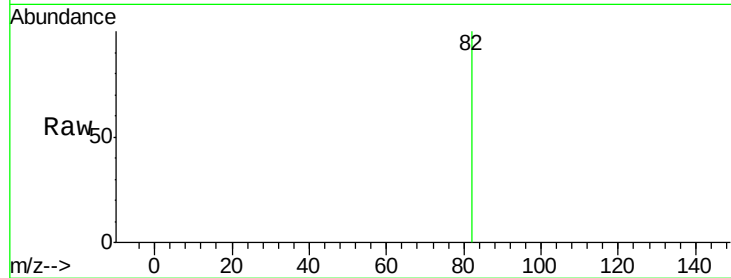
Tgt Ion: 82 Resp: 463

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

138 0.0 12.6 18.8#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.26 min Scan# 934

Delta R.T. -0.03 min

Lab File: BF089665.D

Acq: 8 Aug 2016 17:08

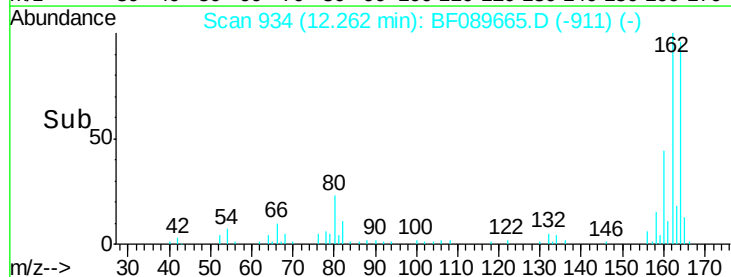
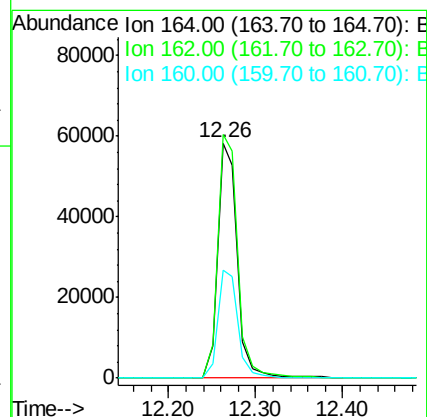
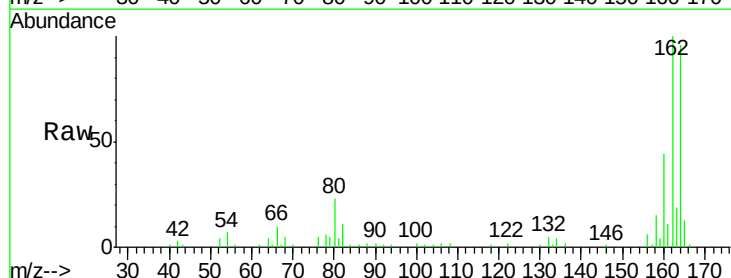
Tgt Ion: 164 Resp: 92649

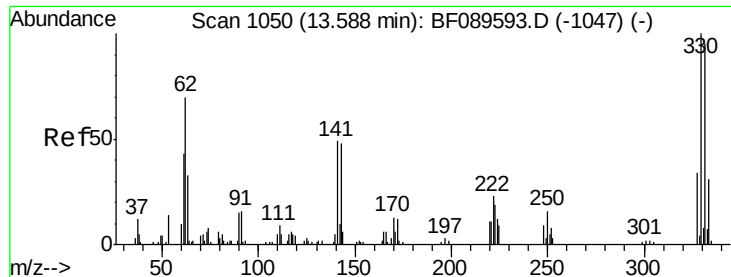
Ion Ratio Lower Upper

164 100

162 103.6 85.7 128.5

160 46.0 38.2 57.4

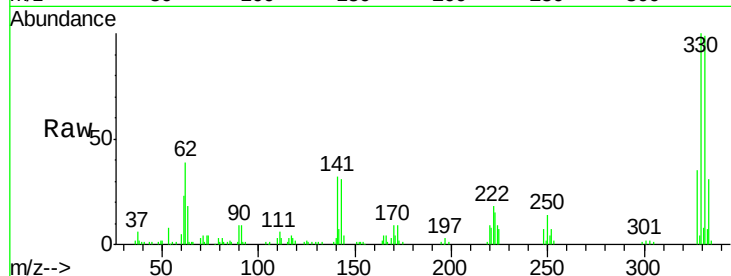




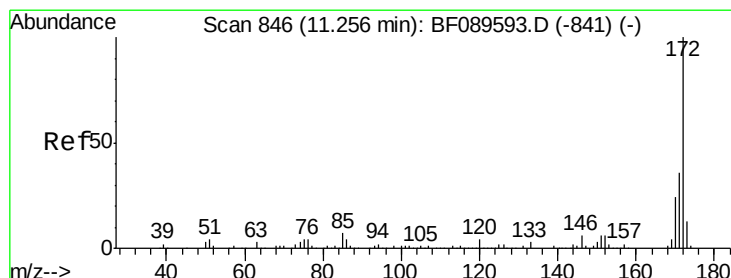
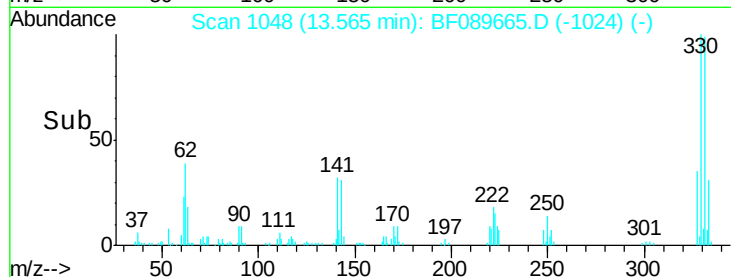
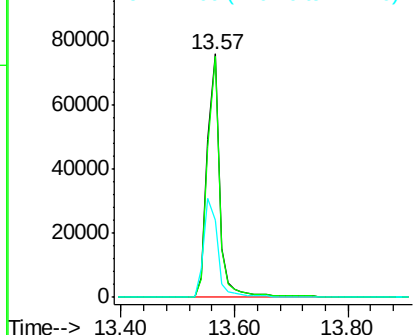
#41
 2,4,6-Tribromophenol
 Concen: 146.34 ng
 RT: 13.57 min Scan# 1048
 Delta R.T. -0.02 min
 Lab File: BF089665.D
 Acq: 8 Aug 2016 17:08

Instrument :
 BNA_F
 ClientSampleId :
 SB-4A

Tgt Ion: 330 Resp: 111892
 Ion Ratio Lower Upper
 330 100
 332 96.8 77.0 115.6
 141 45.1 38.6 57.8

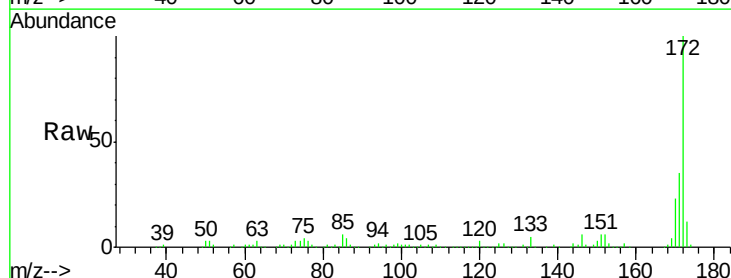


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

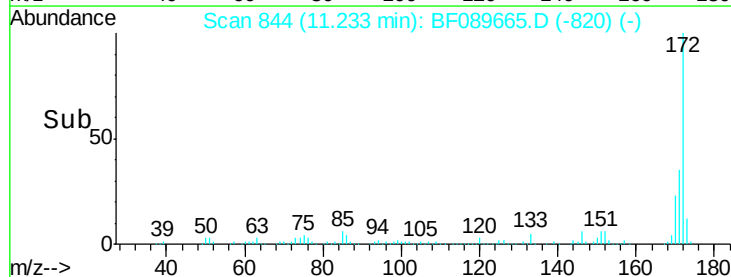
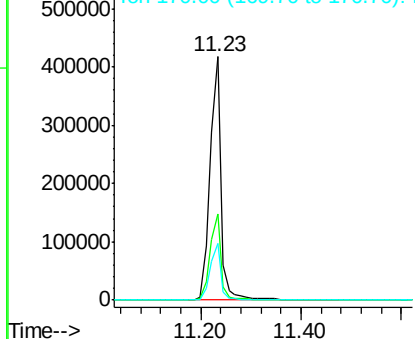


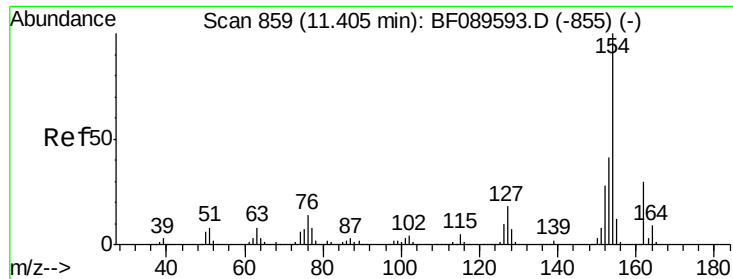
#44
 2-Fluorobiphenyl
 Concen: 89.31 ng
 RT: 11.23 min Scan# 844
 Delta R.T. -0.02 min
 Lab File: BF089665.D
 Acq: 8 Aug 2016 17:08

Tgt Ion: 172 Resp: 636677
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.9 43.3
 170 23.3 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

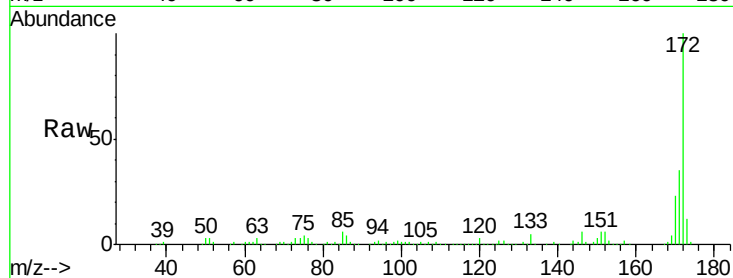




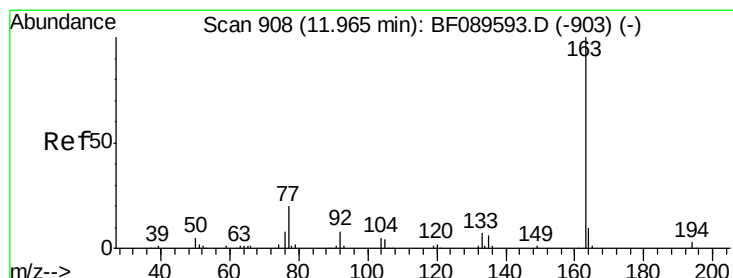
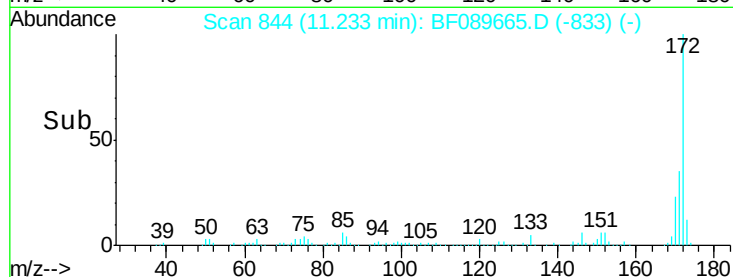
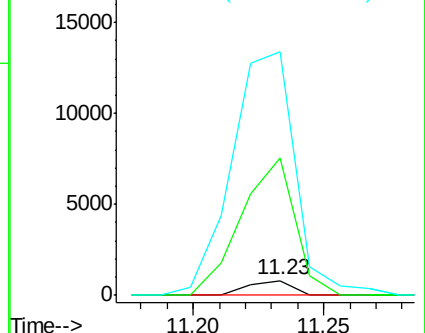
#45
 1,1'-Biphenyl
 Concen: 0.12 ng
 RT: 11.23 min Scan# 844
 Delta R.T. -0.17 min
 Lab File: BF089665.D
 Acq: 8 Aug 2016 17:08

Instrument :
 BNA_F
 ClientSampleId :
 SB-4A

Tgt Ion:154 Resp: 972
 Ion Ratio Lower Upper
 154 100
 153 921.5 20.6 60.6#
 76 1638.7 0.0 33.7#

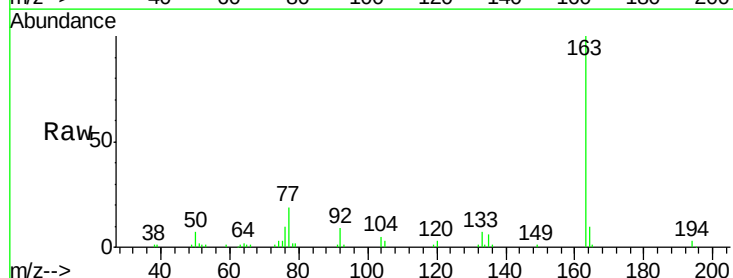


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

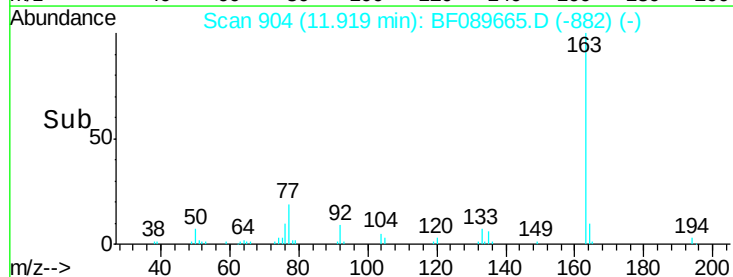
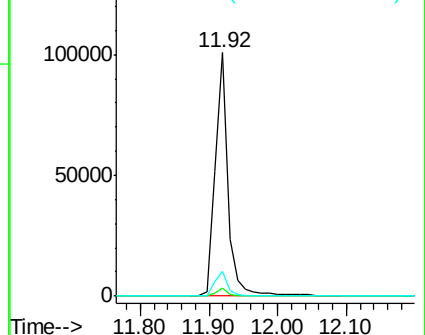


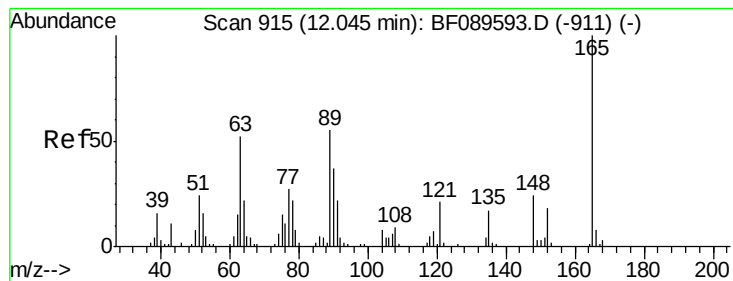
#49
 Dimethylphthalate
 Concen: 18.49 ng
 RT: 11.92 min Scan# 904
 Delta R.T. -0.05 min
 Lab File: BF089665.D
 Acq: 8 Aug 2016 17:08

Tgt Ion:163 Resp: 134295
 Ion Ratio Lower Upper
 163 100
 194 3.4 2.7 4.1
 164 10.1 7.8 11.6



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





#50

2,6-Dinitrotoluene

Concen: 0.82 ng

RT: 11.92 min Scan# 904

Delta R.T. -0.13 min

Lab File: BF089665.D

Acq: 8 Aug 2016 17:08

Instrument :

BNA_F

ClientSampleId :

SB-4A

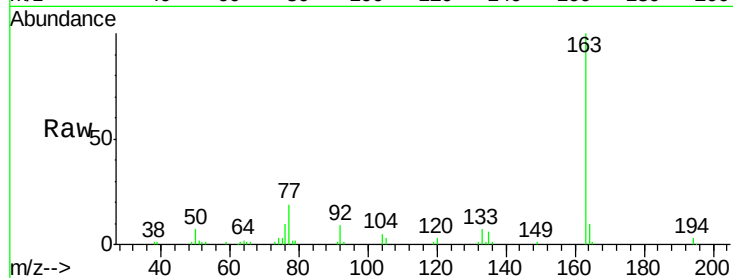
Tgt Ion:165 Resp: 1186

Ion Ratio Lower Upper

165 100

63 128.6 44.6 67.0#

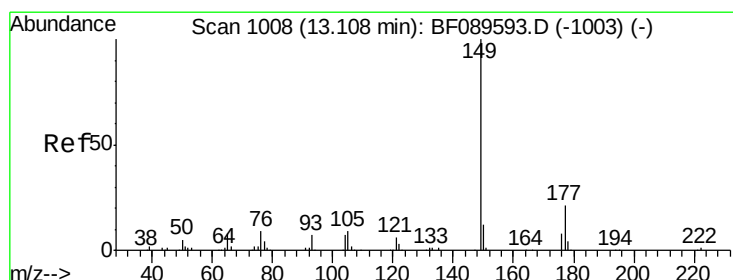
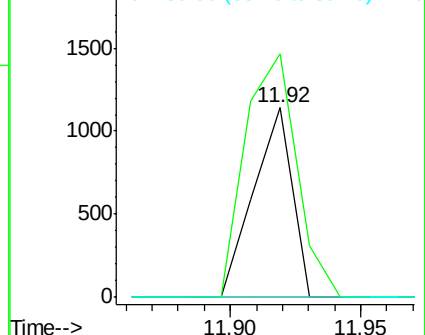
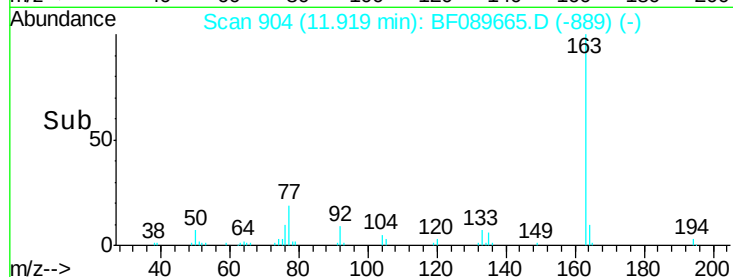
89 0.0 44.2 66.2#



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



#59

Diethylphthalate

Concen: 0.07 ng

RT: 13.06 min Scan# 1004

Delta R.T. -0.05 min

Lab File: BF089665.D

Acq: 8 Aug 2016 17:08

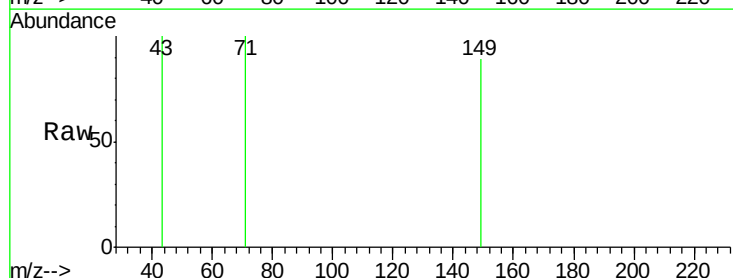
Tgt Ion:149 Resp: 537

Ion Ratio Lower Upper

149 100

177 0.0 16.8 25.2#

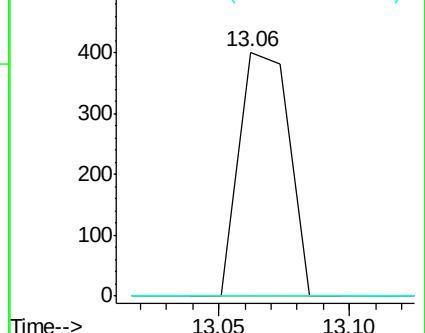
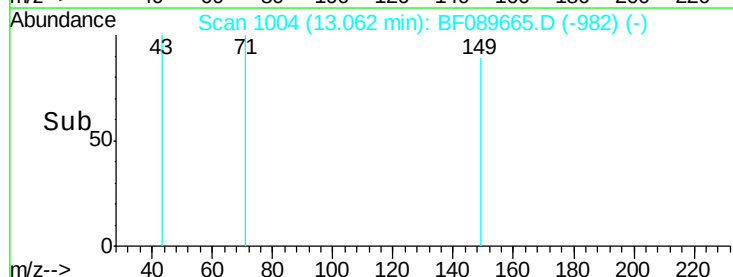
150 0.0 9.6 14.4#

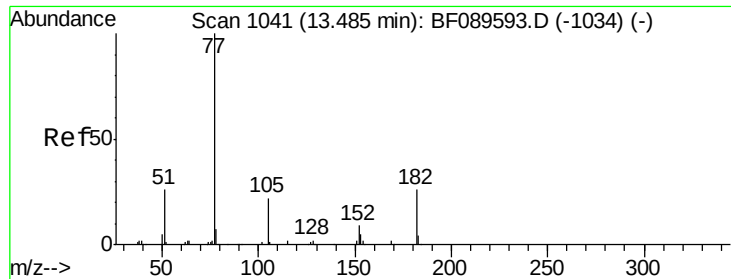


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#62

Azobenzene

Concen: 0.09 ng

RT: 13.55 min Scan# 1047

Delta R.T. 0.07 min

Lab File: BF089665.D

Acq: 8 Aug 2016 17:08

Instrument :

BNA_F

ClientSampleId :

SB-4A

Tgt Ion: 77 Resp: 618

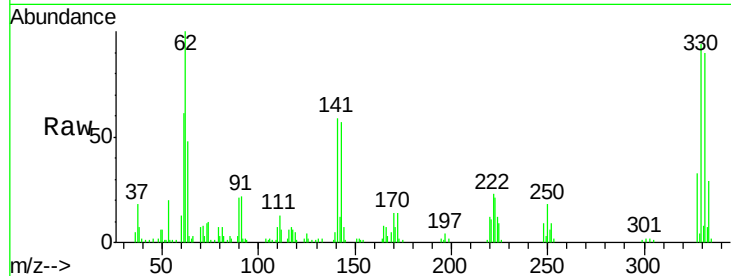
Ion Ratio Lower Upper

77 100

182 0.0 5.8 45.8#

105 84.7 2.9 42.9#

51 83.4 7.2 47.2#

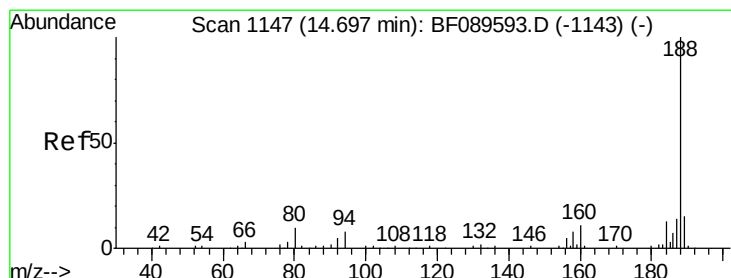
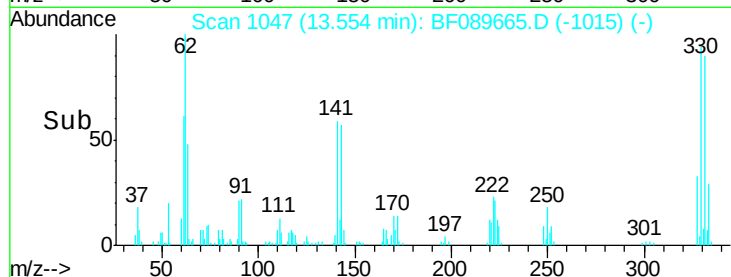
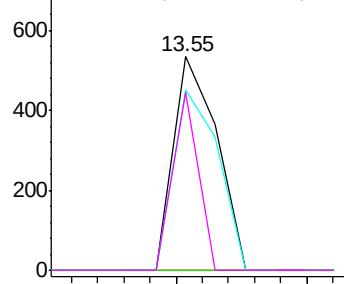


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 14.66 min Scan# 1144

Delta R.T. -0.03 min

Lab File: BF089665.D

Acq: 8 Aug 2016 17:08

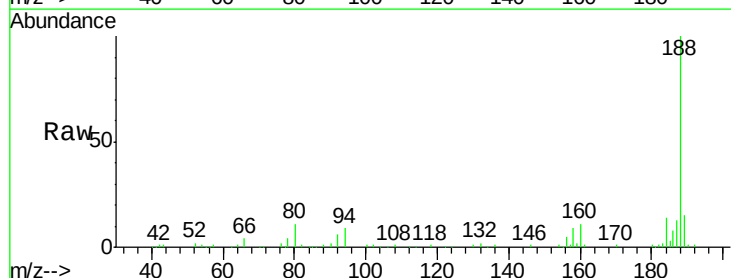
Tgt Ion: 188 Resp: 183927

Ion Ratio Lower Upper

188 100

94 9.5 6.5 9.7

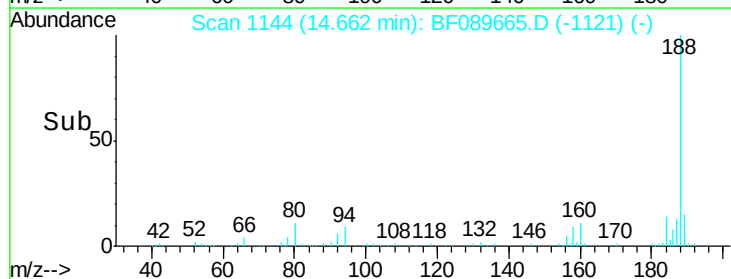
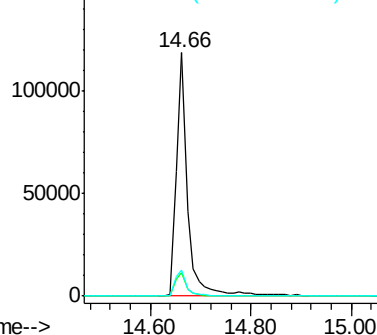
80 10.7 8.0 12.0

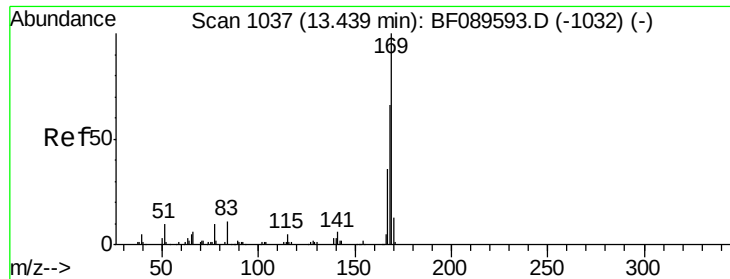


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

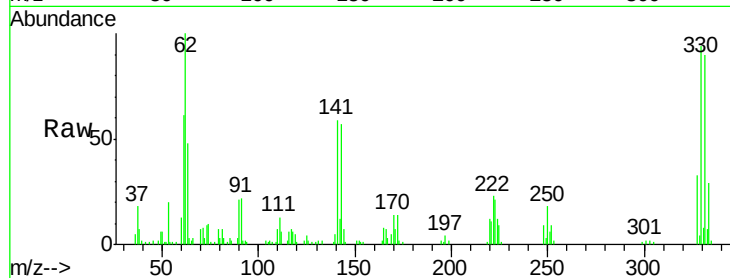




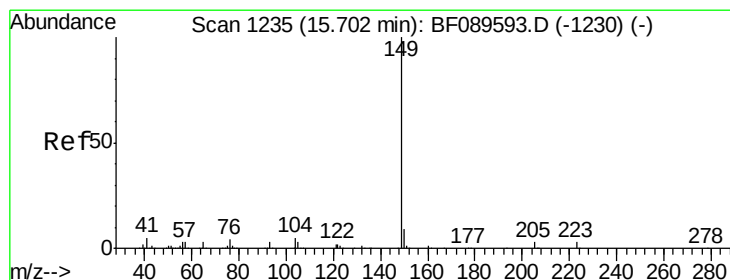
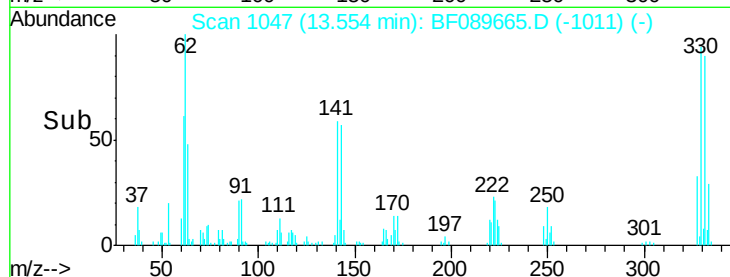
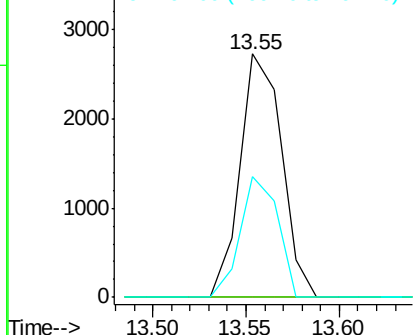
#65
 n-Nitrosodiphenylamine
 Concen: 0.68 ng
 RT: 13.55 min Scan# 1047
 Delta R.T. 0.11 min
 Lab File: BF089665.D
 Acq: 8 Aug 2016 17:08

Instrument :
 BNA_F
 ClientSampleId :
 SB-4A

Tgt Ion:169 Resp: 4216
 Ion Ratio Lower Upper
 169 100
 168 0.0 54.2 81.2#
 167 49.8 28.9 43.3#

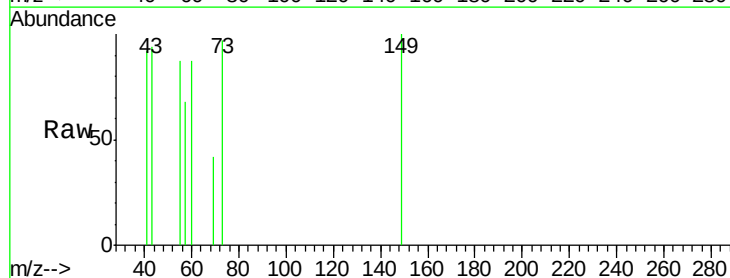


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

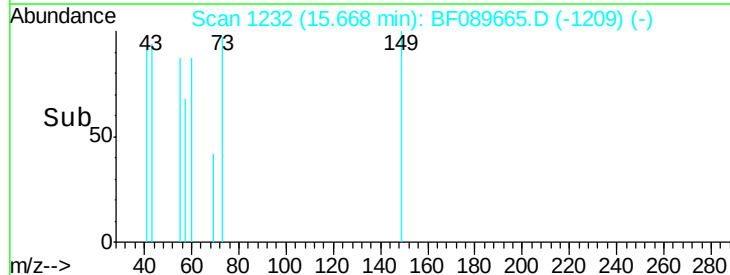
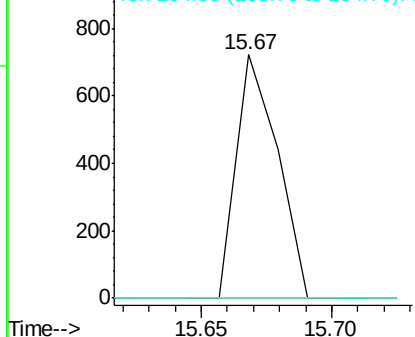


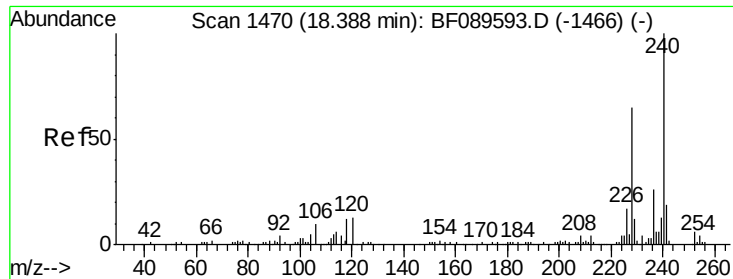
#73
 Di-n-butylphthalate
 Concen: 0.07 ng
 RT: 15.67 min Scan# 1232
 Delta R.T. -0.03 min
 Lab File: BF089665.D
 Acq: 8 Aug 2016 17:08

Tgt Ion:149 Resp: 800
 Ion Ratio Lower Upper
 149 100
 150 0.0 7.2 10.8#
 104 0.0 3.8 5.8#



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 104.00 (103.70 to 104.70): E

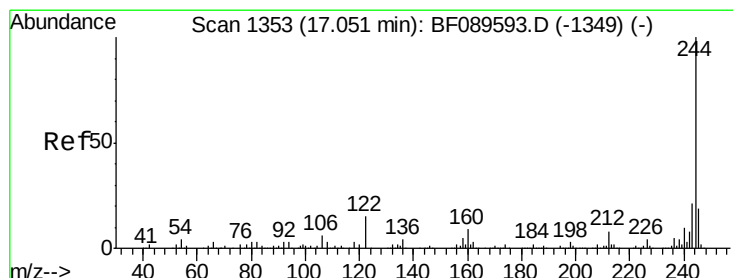
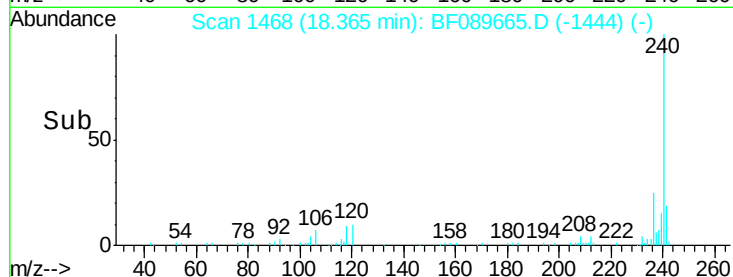
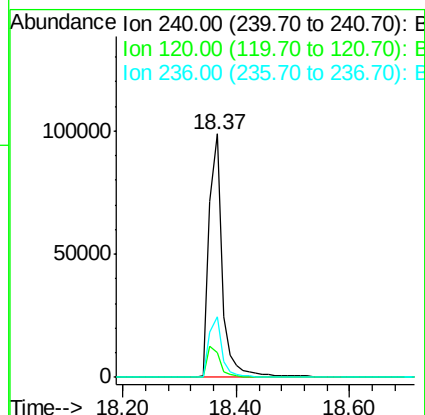
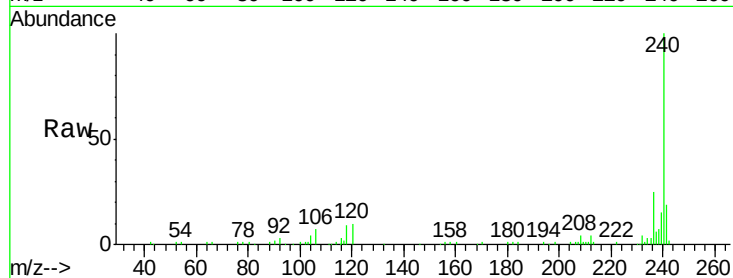




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.37 min Scan# 1468
 Delta R.T. -0.02 min
 Lab File: BF089665.D
 Acq: 8 Aug 2016 17:08

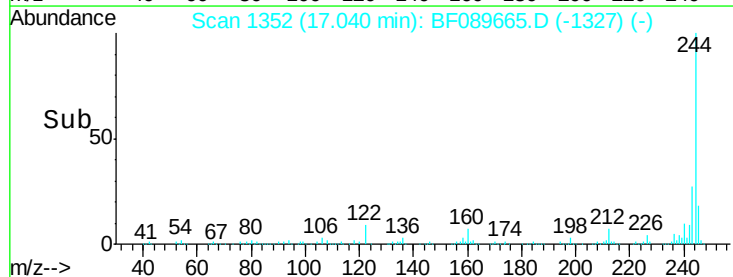
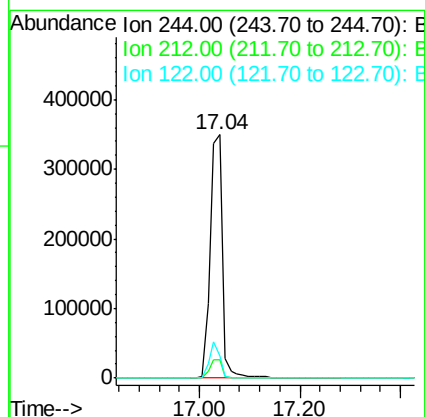
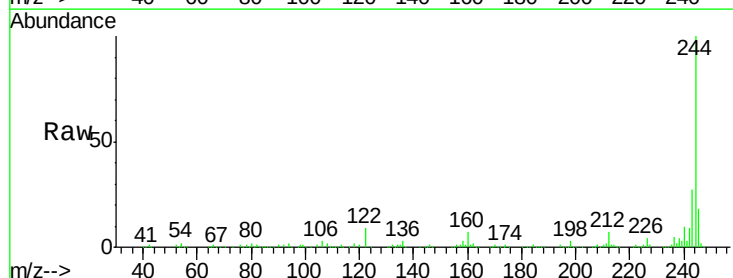
Instrument :
 BNA_F
 ClientSampled :
 SB-4A

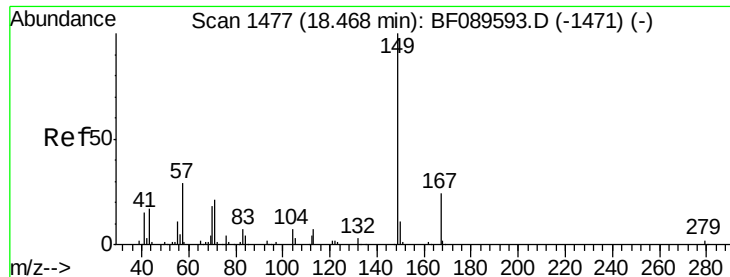
Tgt Ion:240 Resp: 152845
 Ion Ratio Lower Upper
 240 100
 120 10.3 10.6 15.8#
 236 25.0 20.6 30.8



#78
 Terphenyl-d14
 Concen: 76.66 ng
 RT: 17.04 min Scan# 1352
 Delta R.T. -0.01 min
 Lab File: BF089665.D
 Acq: 8 Aug 2016 17:08

Tgt Ion:244 Resp: 593550
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.4 9.6
 122 9.1 12.2 18.2#

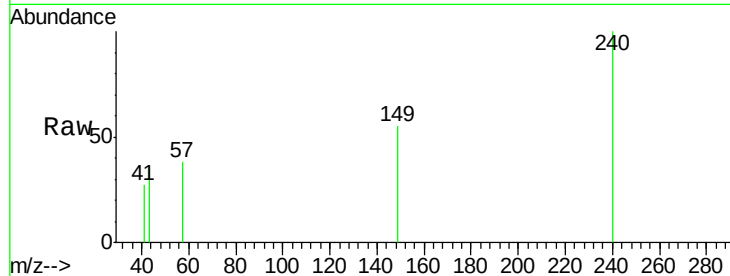




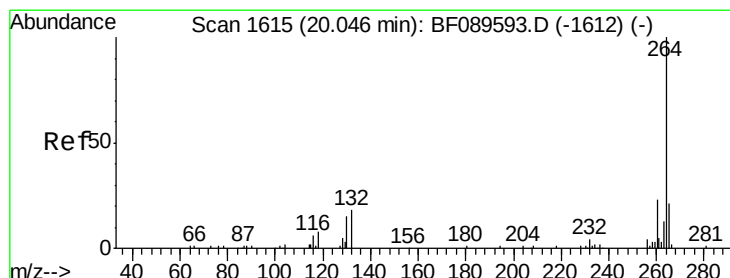
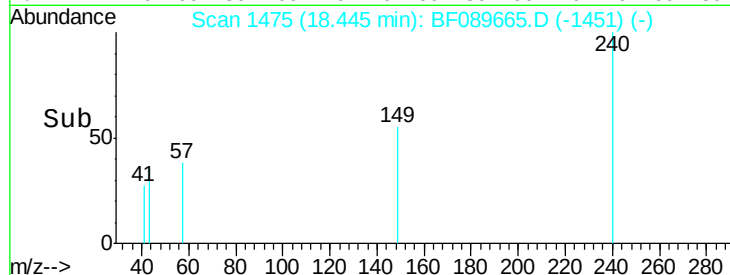
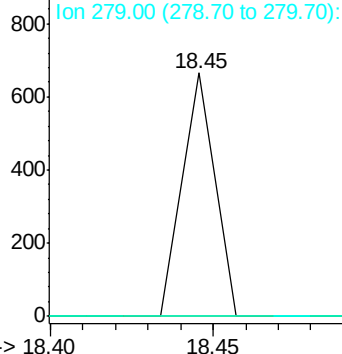
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 0.06 ng
 RT: 18.45 min Scan# 1475
 Delta R.T. -0.02 min
 Lab File: BF089665.D
 Acq: 8 Aug 2016 17:08

Instrument :
 BNA_F
 ClientSampleId :
 SB-4A

Tgt Ion	Ratio	Lower	Upper
149	100		
167	0.0	19.0	28.4#
279	0.0	1.8	2.6#

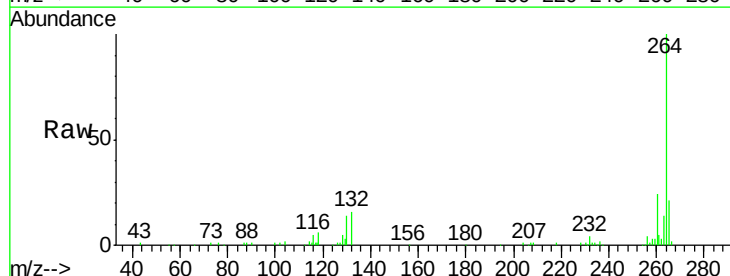


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.02 min Scan# 1613
 Delta R.T. -0.02 min
 Lab File: BF089665.D
 Acq: 8 Aug 2016 17:08

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.7	28.1
265	21.1	16.5	24.7



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

