

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080416\
 Data File : BF089601.D
 Acq On : 4 Aug 2016 22:30
 Operator : UM/SJ
 Sample : PB92672TB
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB92672TB

Quant Time: Aug 05 01:52:39 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

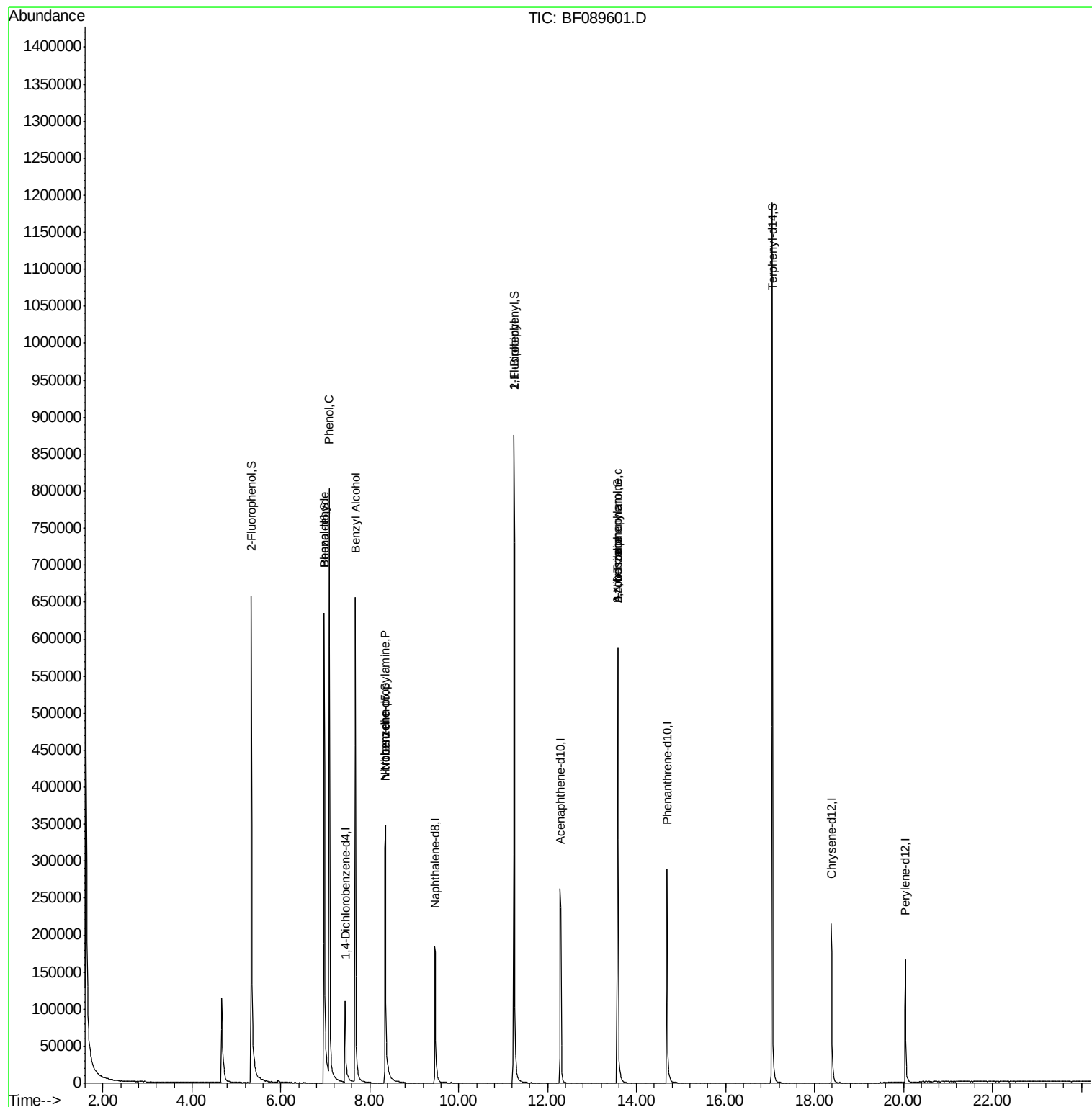
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.45	152	43725	20.00	ng	0.00
21) Naphthalene-d8	9.47	136	188748	20.00	ng	0.00
38) Acenaphthene-d10	12.28	164	93018	20.00	ng	-0.01
63) Phenanthrene-d10	14.69	188	187805	20.00	ng	-0.01
75) Chrysene-d12	18.38	240	131941	20.00	ng	-0.01
86) Perylene-d12	20.05	264	97956	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	324426	124.36	ng	0.02
7) Phenol-d6	6.97	99	433500	122.49	ng	-0.01
23) Nitrobenzene-d5	8.35	82	265859	77.91	ng	-0.01
41) 2,4,6-Tribromophenol	13.58	330	93197	121.41	ng	-0.01
44) 2-Fluorobiphenyl	11.24	172	525962	73.49	ng	-0.01
78) Terphenyl-d14	17.05	244	478119	71.54	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.97	77	237	0.18	ng	# 1
10) Phenol	7.08	94	497	0.14	ng	# 1
15) Benzyl Alcohol	7.68	79	4337	1.87	ng	# 41
19) n-Nitroso-di-n-propylamine	8.35	70	31856	12.46	ng	# 79
24) Nitrobenzene	8.35	77	503	0.16	ng	# 42
45) 1,1'-Biphenyl	11.24	154	719	0.09	ng	# 1
62) Azobenzene	13.58	77	349	0.05	ng	# 7
65) n-Nitrosodiphenylamine	13.58	169	3465	0.55	ng	# 37

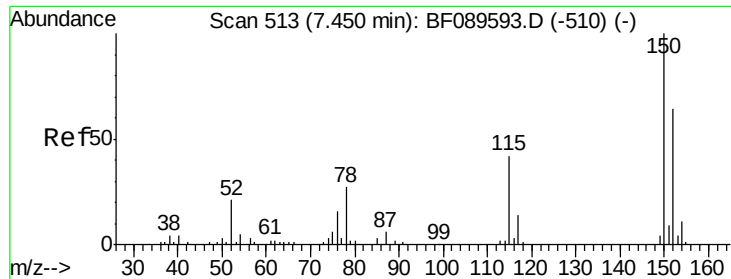
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

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BNA_F

ClientSampleId :

PB92672TB

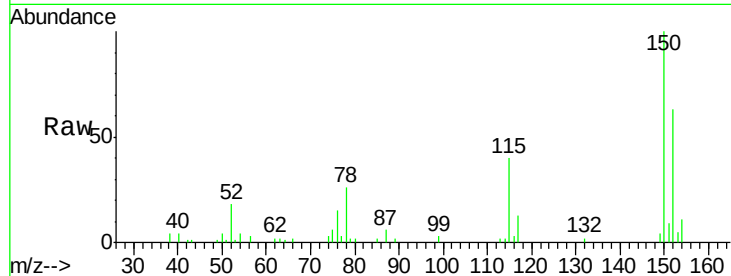
Tgt Ion:152 Resp: 43725

Ion Ratio Lower Upper

152 100

150 158.2 125.5 188.3

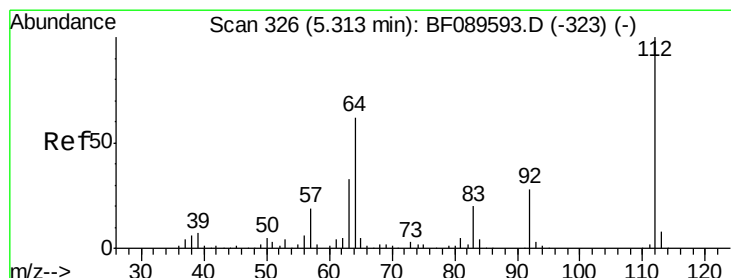
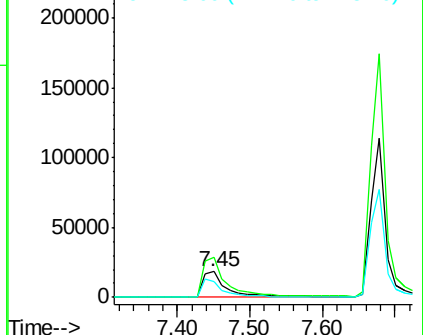
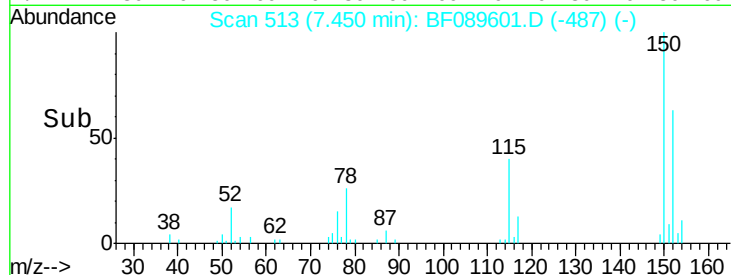
115 62.9 52.0 78.0



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: 124.36 ng

RT: 5.34 min Scan# 328

Delta R.T. 0.02 min

Lab File: BF089601.D

Acq: 4 Aug 2016 22:30

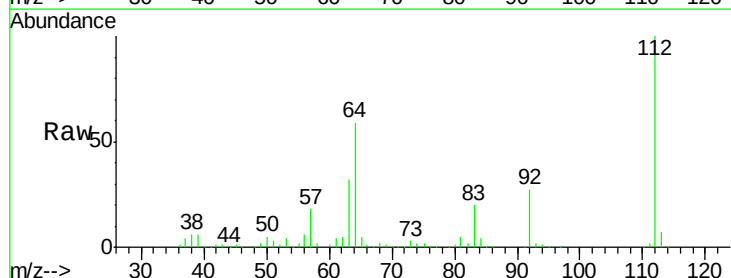
Tgt Ion:112 Resp: 324426

Ion Ratio Lower Upper

112 100

64 58.6 49.9 74.9

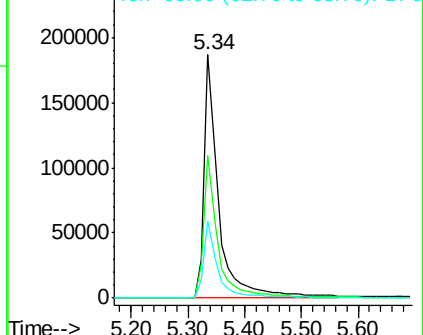
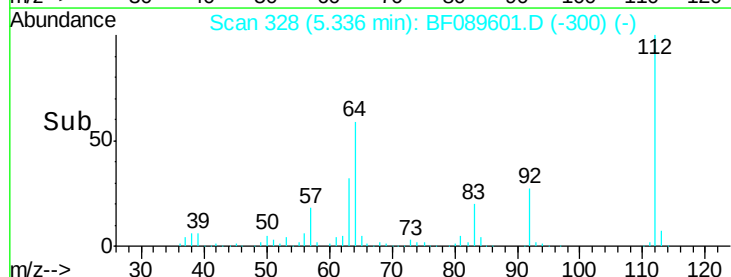
63 31.7 26.1 39.1

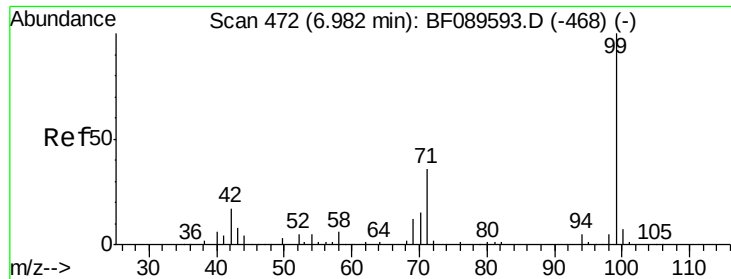


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 122.49 ng

RT: 6.97 min Scan# 471

Delta R.T. -0.01 min

Lab File: BF089601.D

Acq: 4 Aug 2016 22:30

Instrument :

BNA_F

ClientSampleId :

PB92672TB

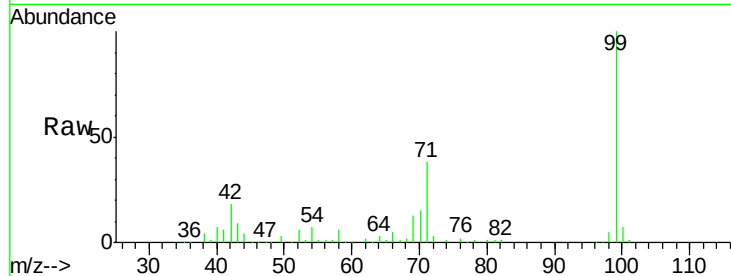
Tgt Ion: 99 Resp: 433500

Ion Ratio Lower Upper

99 100

42 18.3 13.7 20.5

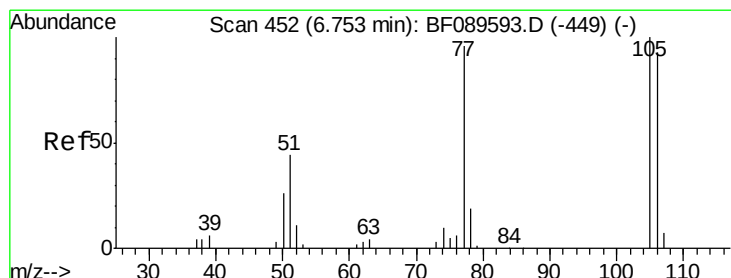
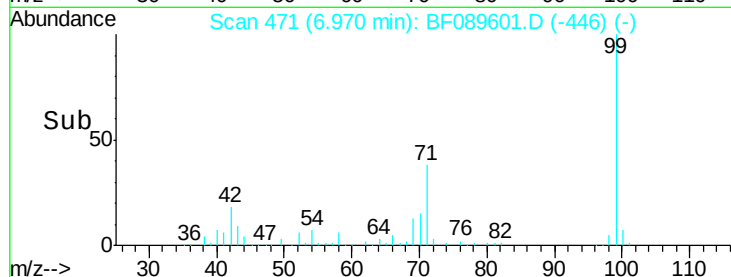
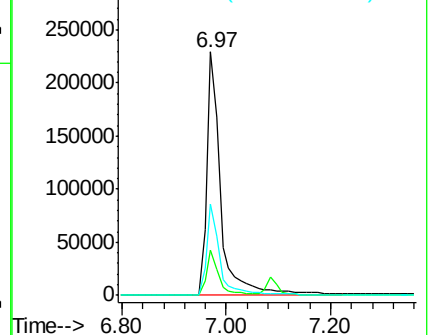
71 37.6 29.0 43.4



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: 0.18 ng

RT: 6.97 min Scan# 471

Delta R.T. 0.22 min

Lab File: BF089601.D

Acq: 4 Aug 2016 22:30

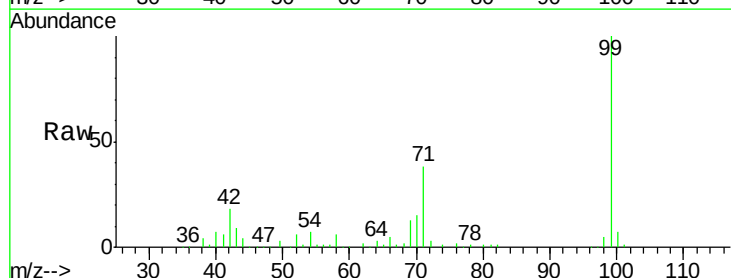
Tgt Ion: 77 Resp: 237

Ion Ratio Lower Upper

77 100

105 0.0 84.7 124.7#

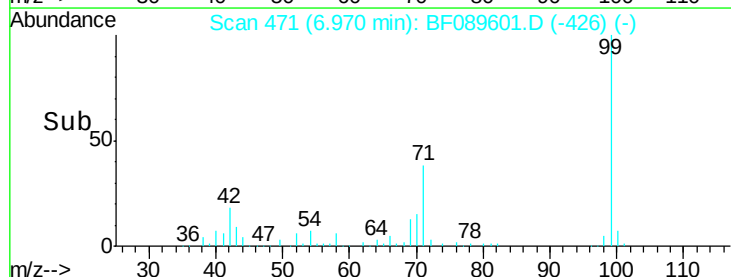
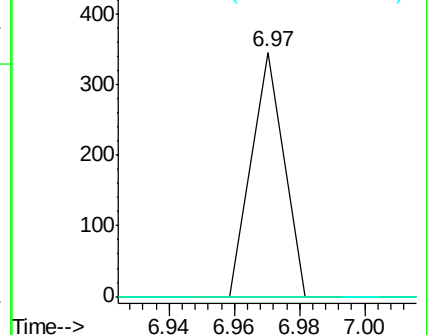
106 0.0 77.1 117.1#

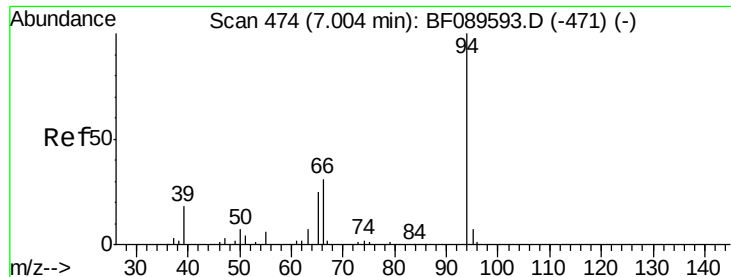


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 0.14 ng

RT: 7.08 min Scan# 481

Delta R.T. 0.08 min

Lab File: BF089601.D

Acq: 4 Aug 2016 22:30

Instrument :

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ClientSampleId :

PB92672TB

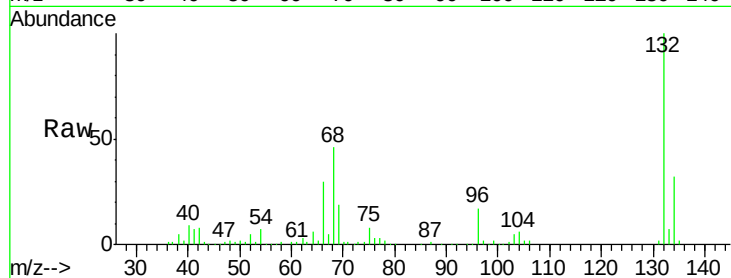
Tgt Ion: 94 Resp: 497

Ion Ratio Lower Upper

94 100

65 1293.6 11.0 51.0#

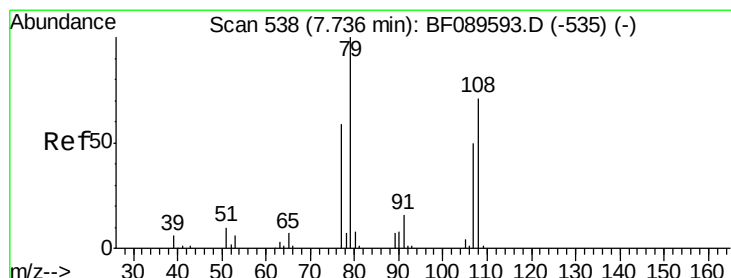
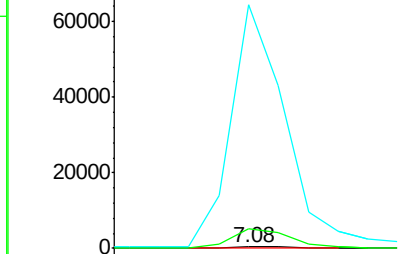
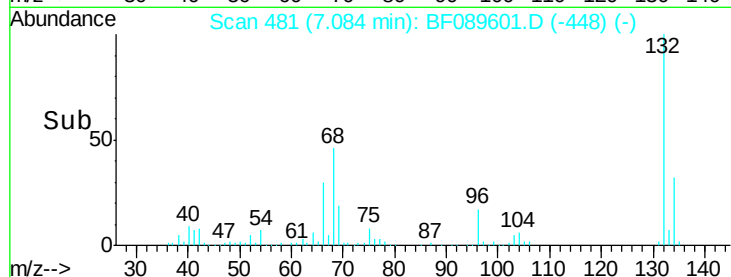
66 15798.0 27.4 67.4#



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



#15

Benzyl Alcohol

Concen: 1.87 ng

RT: 7.68 min Scan# 533

Delta R.T. -0.06 min

Lab File: BF089601.D

Acq: 4 Aug 2016 22:30

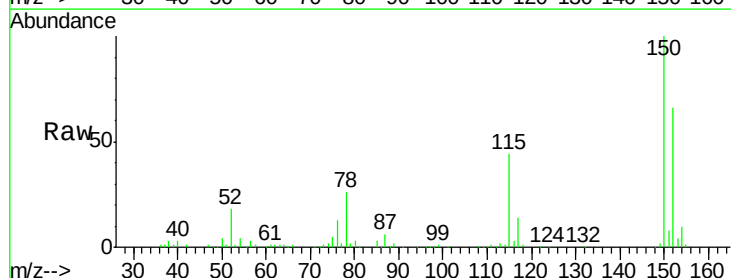
Tgt Ion: 79 Resp: 4337

Ion Ratio Lower Upper

79 100

108 28.4 58.3 87.5#

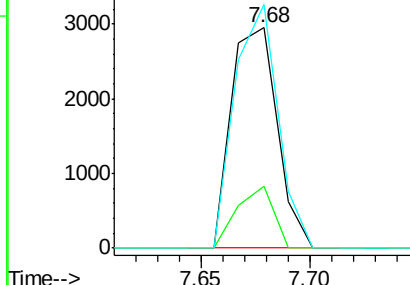
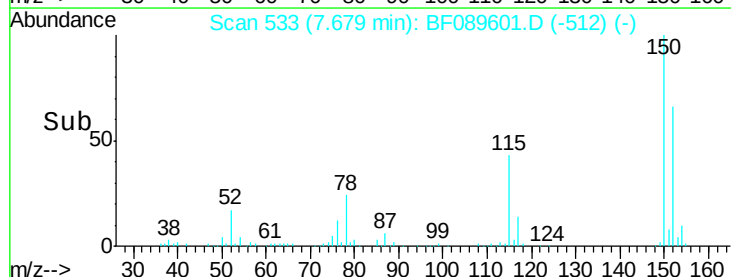
77 110.7 48.7 73.1#

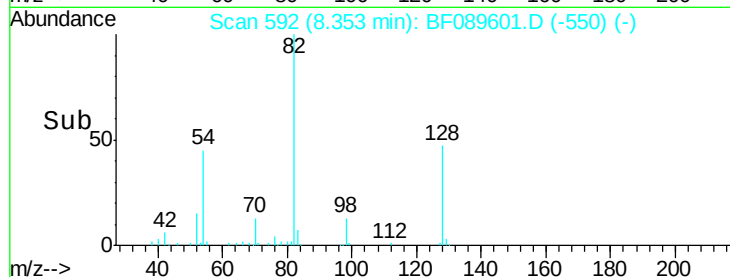
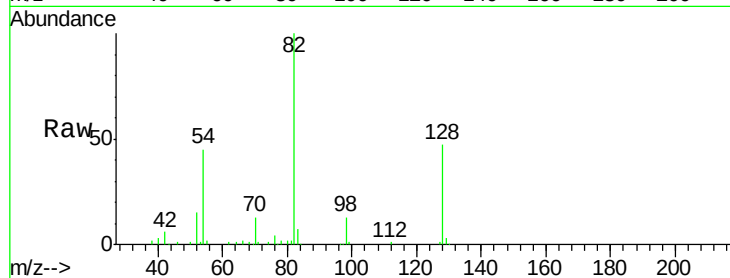
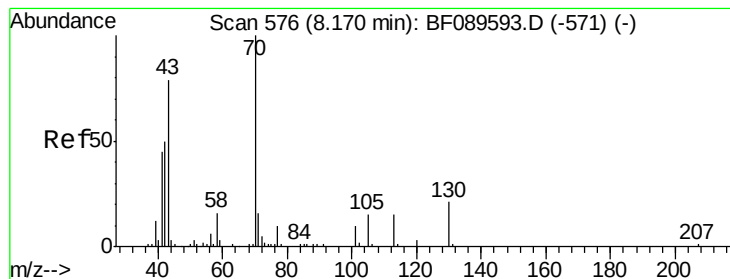


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 12.46 ng

RT: 8.35 min Scan# 592

Delta R.T. 0.18 min

Lab File: BF089601.D

Acq: 4 Aug 2016 22:30

Instrument :

BNA_F

ClientSampleId :

PB92672TB

Tgt Ion: 70 Resp: 31856

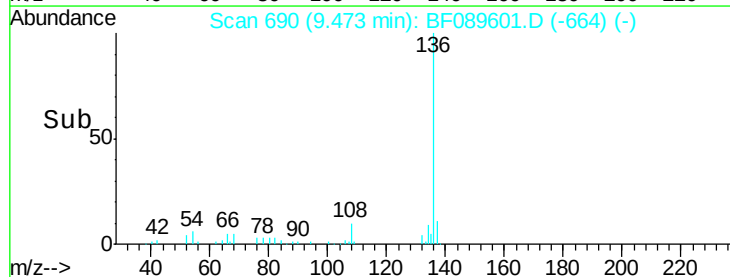
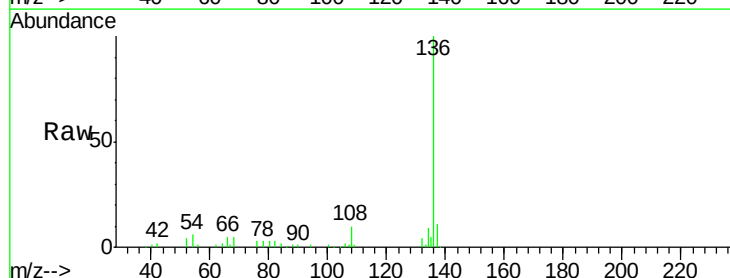
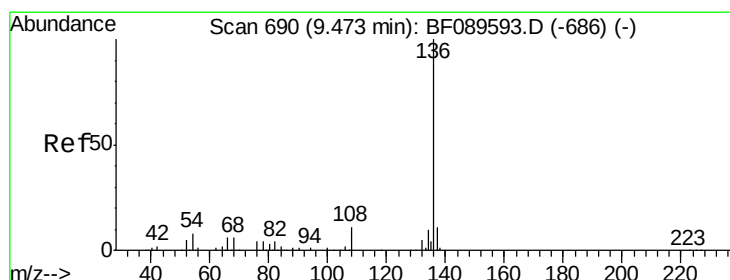
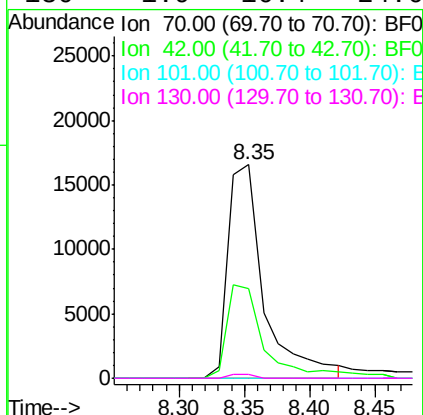
Ion Ratio Lower Upper

70 100

42 42.0 40.2 60.2

101 0.0 7.8 11.6#

130 1.9 16.4 24.6#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.47 min Scan# 690

Delta R.T. 0.00 min

Lab File: BF089601.D

Acq: 4 Aug 2016 22:30

Tgt Ion: 136 Resp: 188748

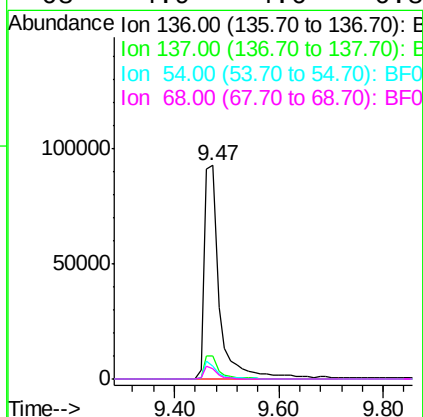
Ion Ratio Lower Upper

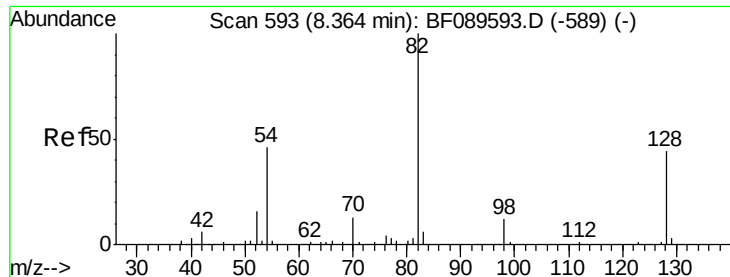
136 100

137 10.8 8.6 12.8

54 6.2 6.0 9.0

68 4.9 4.6 6.8

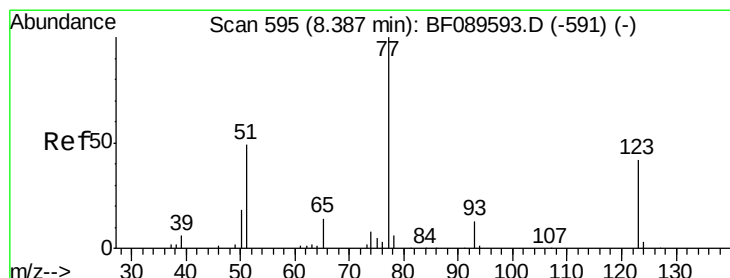
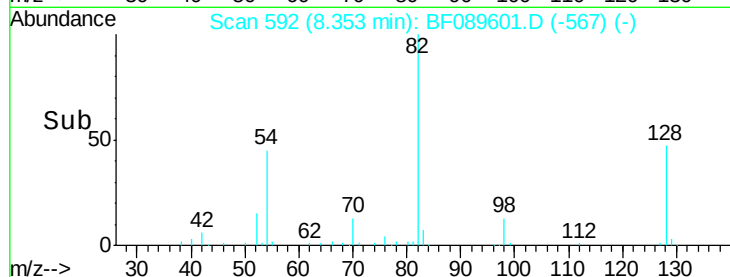
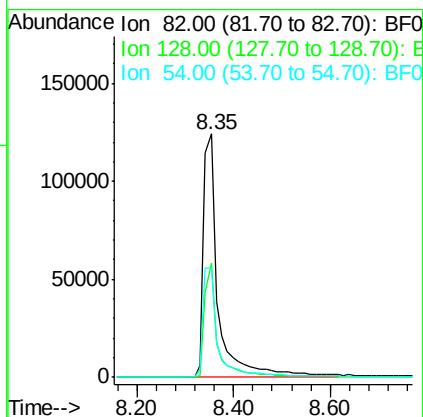
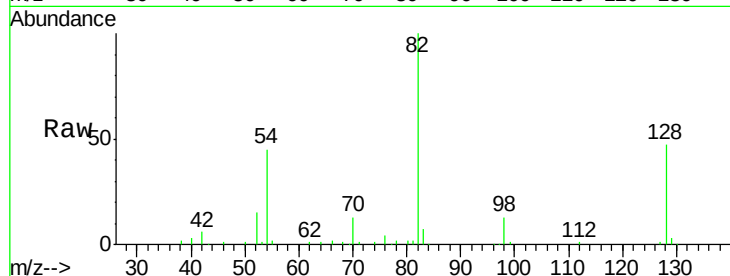




#23
 Nitrobenzene-d5
 Concen: 77.91 ng
 RT: 8.35 min Scan# 592
 Delta R.T. -0.01 min
 Lab File: BF089601.D
 Acq: 4 Aug 2016 22:30

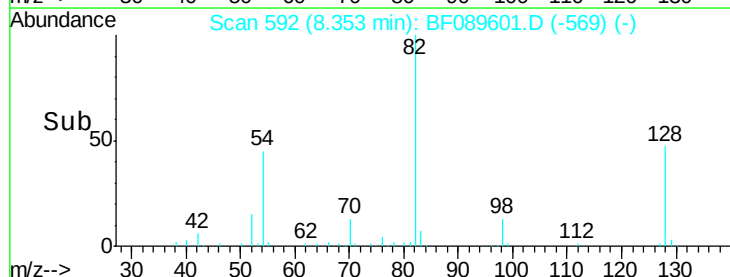
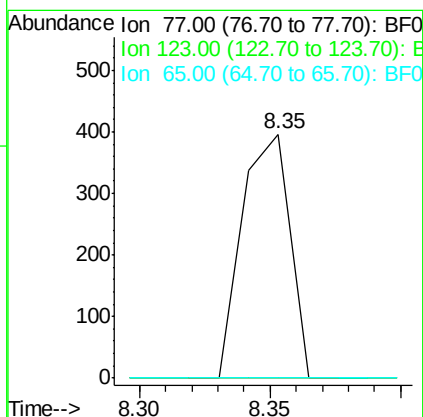
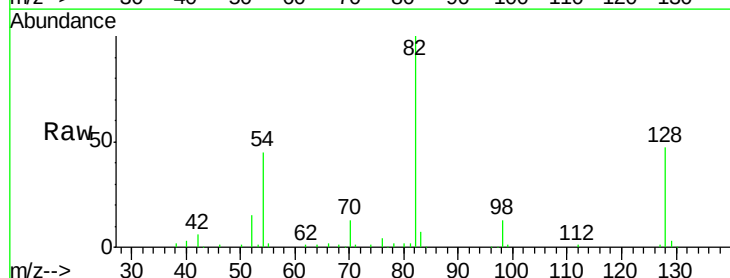
Instrument :
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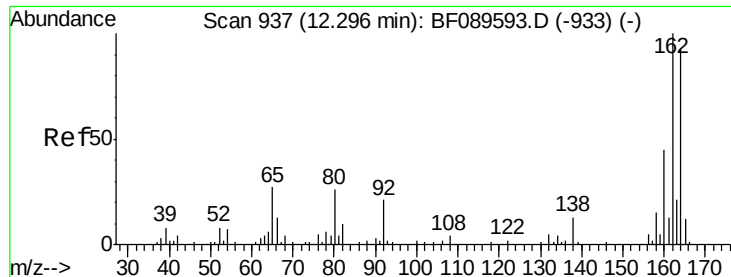
Tgt Ion: 82 Resp: 265859
 Ion Ratio Lower Upper
 82 100
 128 46.8 35.4 53.0
 54 44.6 36.4 54.6



#24
 Nitrobenzene
 Concen: 0.16 ng
 RT: 8.35 min Scan# 592
 Delta R.T. -0.03 min
 Lab File: BF089601.D
 Acq: 4 Aug 2016 22:30

Tgt Ion: 77 Resp: 503
 Ion Ratio Lower Upper
 77 100
 123 0.0 32.6 49.0#
 65 0.0 11.0 16.6#

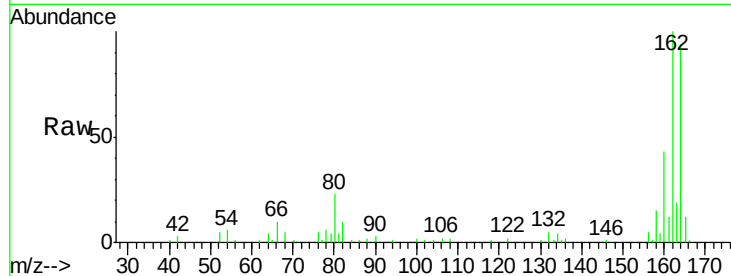




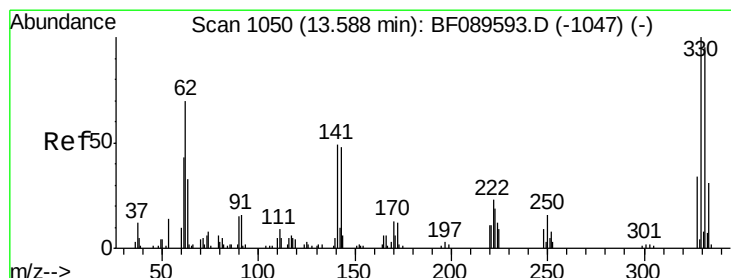
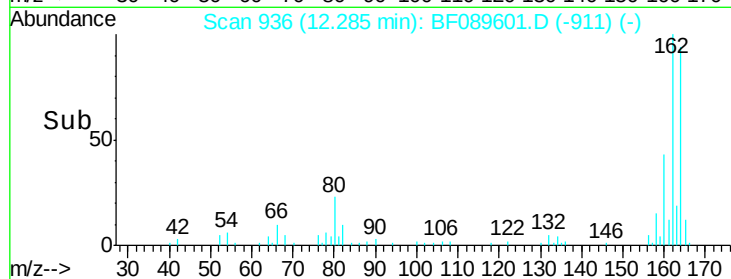
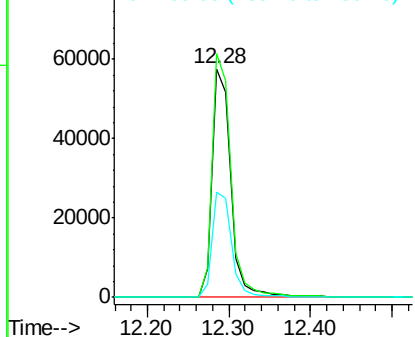
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.28 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: BF089601.D
 Acq: 4 Aug 2016 22:30

Instrument :
 BNA_F
 ClientSampleId :
 PB92672TB

Tgt Ion:164 Resp: 93018
 Ion Ratio Lower Upper
 164 100
 162 106.7 85.7 128.5
 160 46.0 38.2 57.4

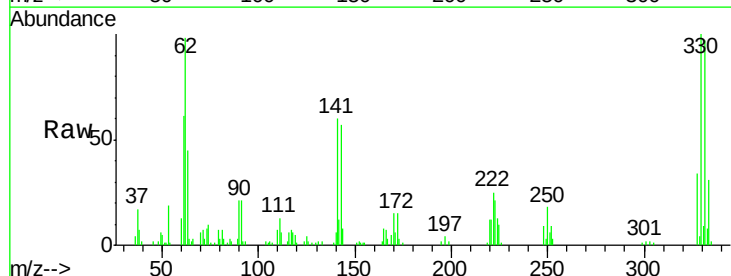


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

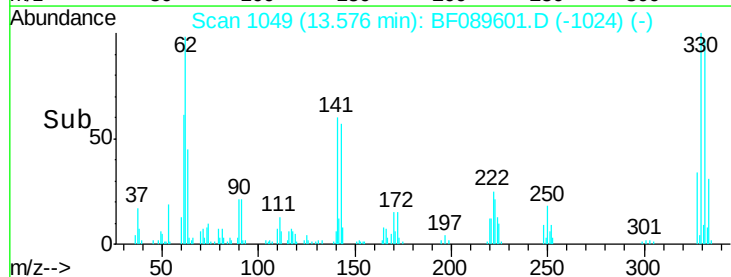
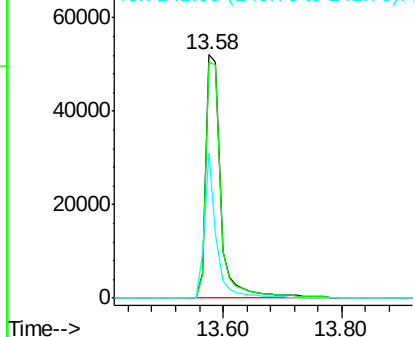


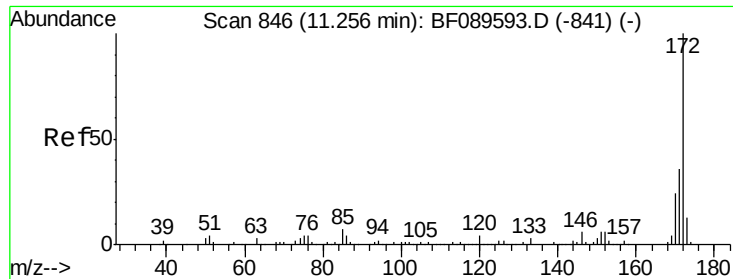
#41
 2,4,6-Tribromophenol
 Concen: 121.41 ng
 RT: 13.58 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: BF089601.D
 Acq: 4 Aug 2016 22:30

Tgt Ion:330 Resp: 93197
 Ion Ratio Lower Upper
 330 100
 332 97.6 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

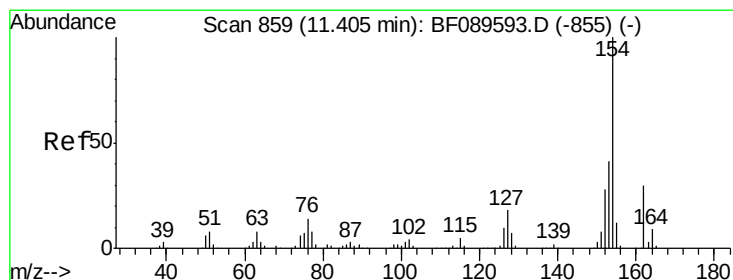
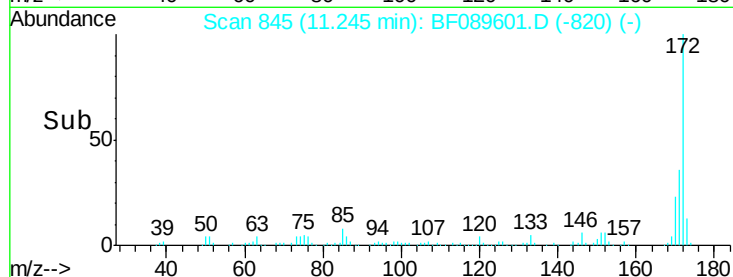
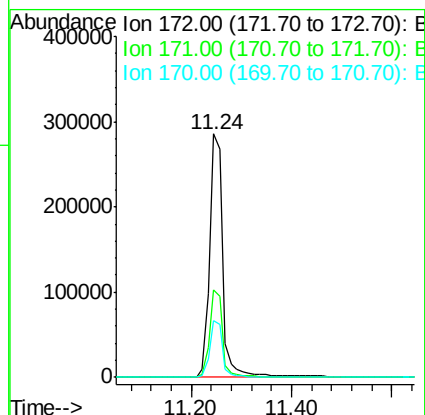
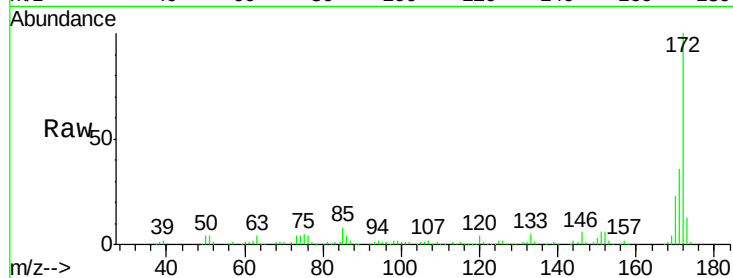




#44
2-Fluorobiphenyl
Concen: 73.49 ng
RT: 11.24 min Scan# 845
Delta R.T. -0.01 min
Lab File: BF089601.D
Acq: 4 Aug 2016 22:30

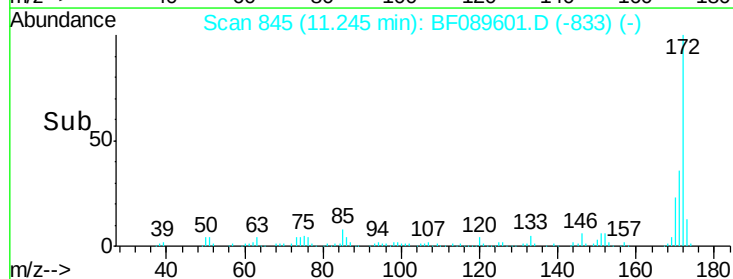
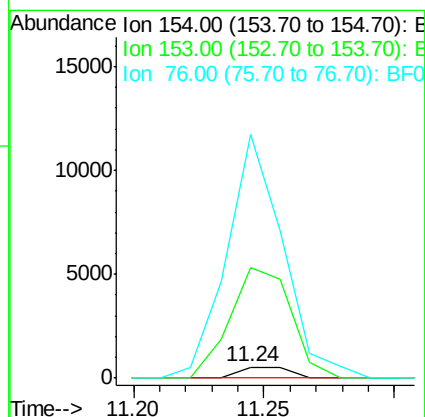
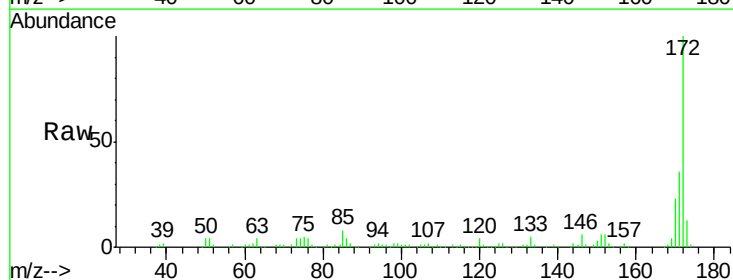
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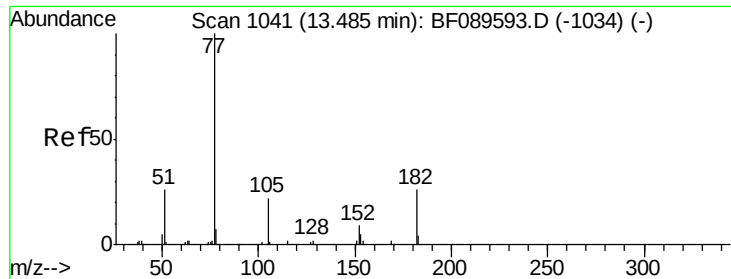
Tgt Ion:172 Resp: 525962
Ion Ratio Lower Upper
172 100
171 35.9 28.9 43.3
170 23.2 19.0 28.6



#45
1,1'-Biphenyl
Concen: 0.09 ng
RT: 11.24 min Scan# 845
Delta R.T. -0.16 min
Lab File: BF089601.D
Acq: 4 Aug 2016 22:30

Tgt Ion:154 Resp: 719
Ion Ratio Lower Upper
154 100
153 991.5 20.6 60.6#
76 2174.8 0.0 33.7#





#62

Azobenzene

Concen: 0.05 ng

RT: 13.58 min Scan# 1049

Delta R.T. 0.09 min

Lab File: BF089601.D

Acq: 4 Aug 2016 22:30

Instrument :

BNA_F

ClientSampleId :

PB92672TB

Tgt Ion: 77 Resp: 349

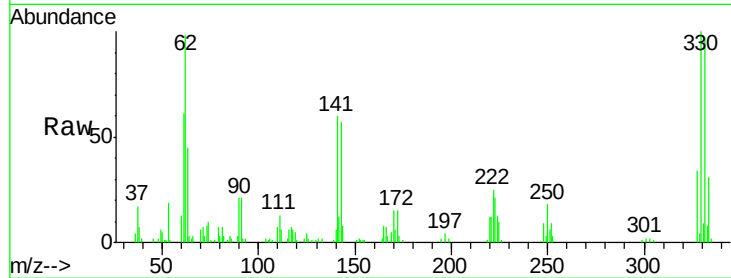
Ion Ratio Lower Upper

77 100

182 0.0 5.8 45.8#

105 97.1 2.9 42.9#

51 69.4 7.2 47.2#

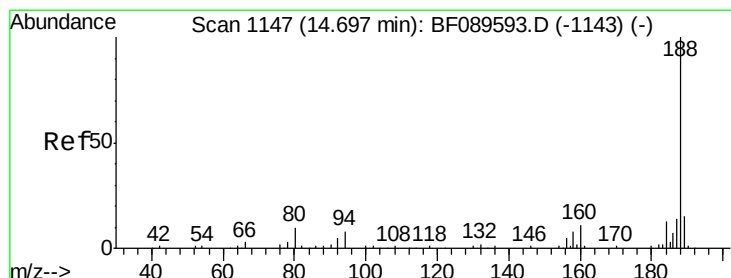
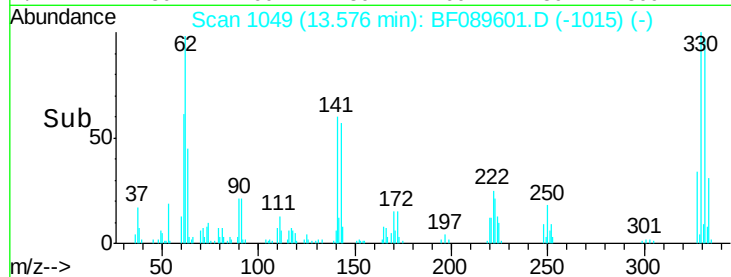
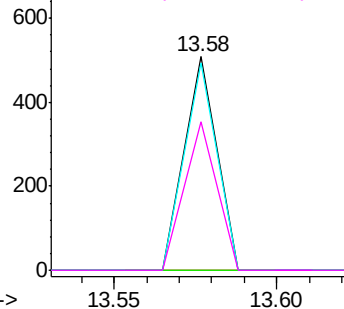


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 14.69 min Scan# 1146

Delta R.T. -0.01 min

Lab File: BF089601.D

Acq: 4 Aug 2016 22:30

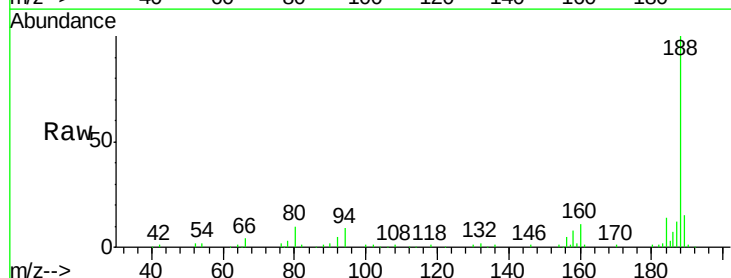
Tgt Ion: 188 Resp: 187805

Ion Ratio Lower Upper

188 100

94 9.2 6.5 9.7

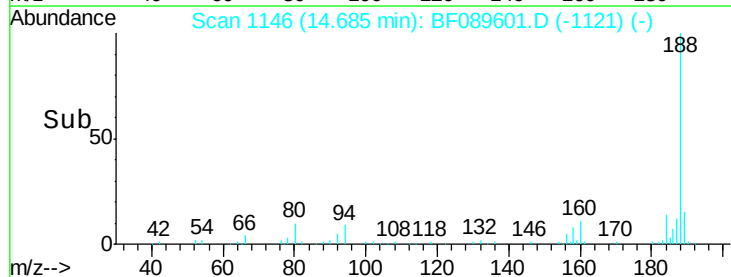
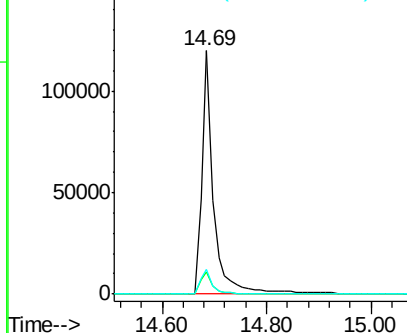
80 10.3 8.0 12.0

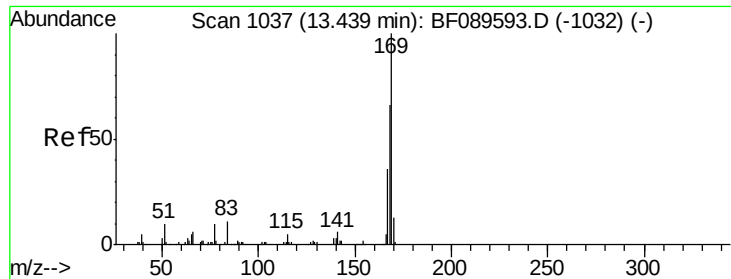


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#65

n-Nitrosodiphenylamine

Concen: 0.55 ng

RT: 13.58 min Scan# 1049

Delta R.T. 0.14 min

Lab File: BF089601.D

Acq: 4 Aug 2016 22:30

Instrument :

BNA_F

ClientSampleId :

PB92672TB

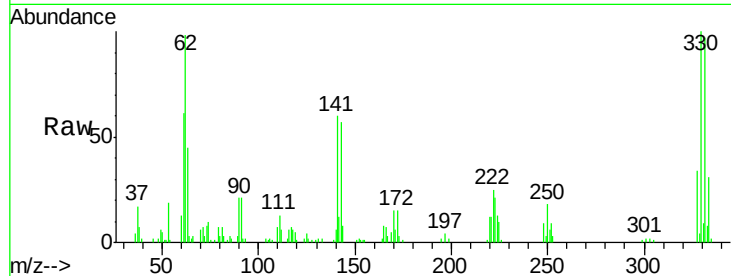
Tgt Ion:169 Resp: 3465

Ion Ratio Lower Upper

169 100

168 0.0 54.2 81.2#

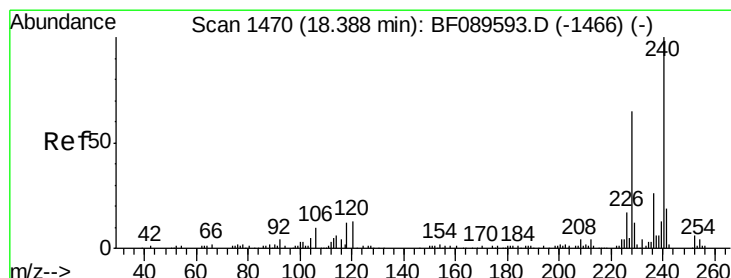
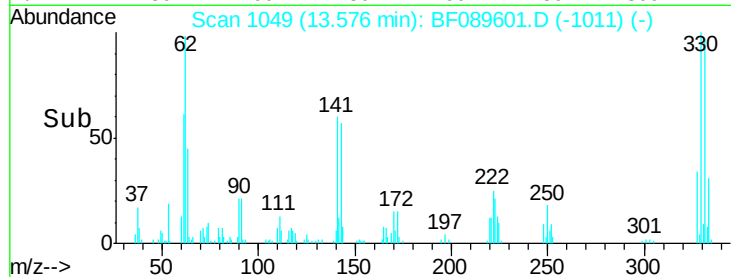
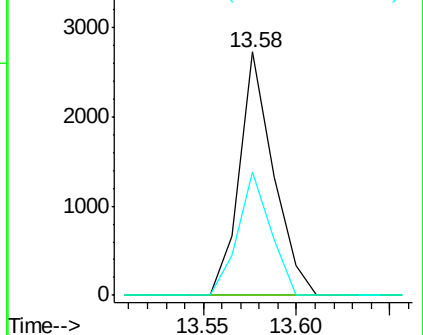
167 50.8 28.9 43.3#



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.38 min Scan# 1469

Delta R.T. -0.01 min

Lab File: BF089601.D

Acq: 4 Aug 2016 22:30

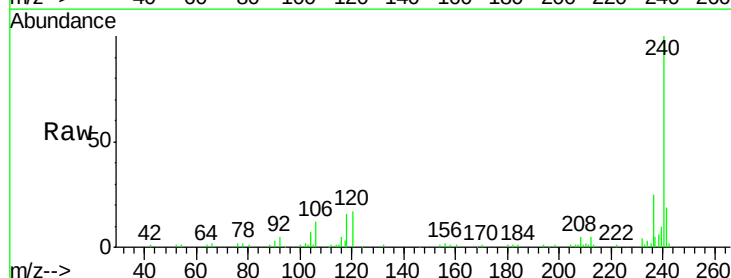
Tgt Ion:240 Resp: 131941

Ion Ratio Lower Upper

240 100

120 16.9 10.6 15.8#

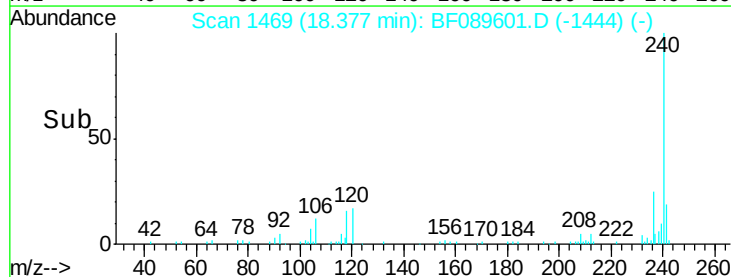
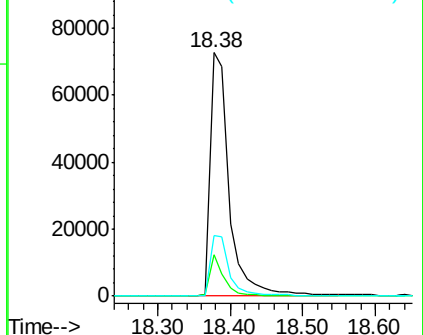
236 25.1 20.6 30.8

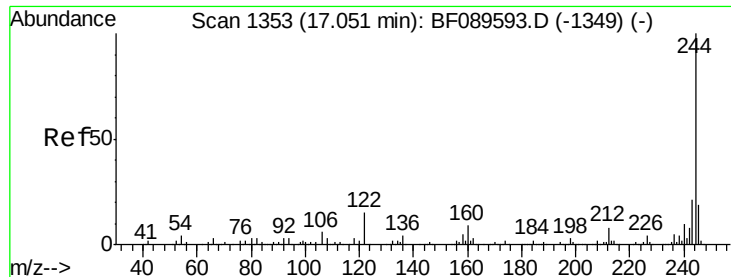


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 71.54 ng

RT: 17.05 min Scan# 1353

Delta R.T. 0.00 min

Lab File: BF089601.D

Acq: 4 Aug 2016 22:30

Instrument :

BNA_F

ClientSampleId :

PB92672TB

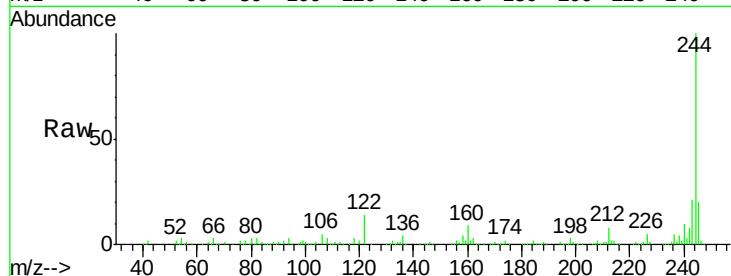
Tgt Ion:244 Resp: 478119

Ion Ratio Lower Upper

244 100

212 8.2 6.4 9.6

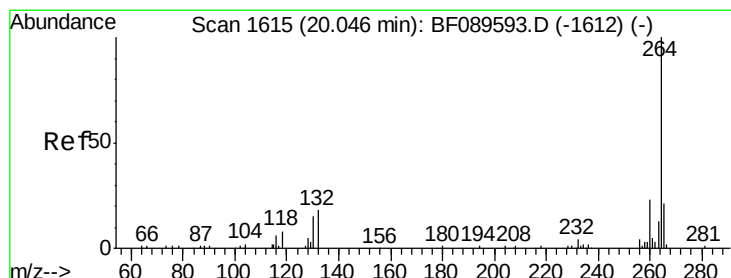
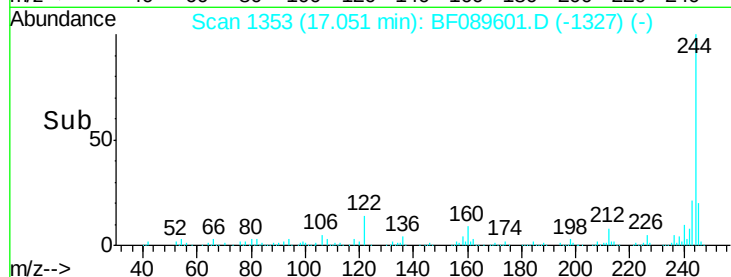
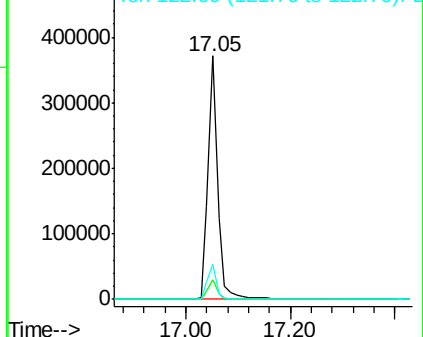
122 14.4 12.2 18.2



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 20.05 min Scan# 1615

Delta R.T. 0.00 min

Lab File: BF089601.D

Acq: 4 Aug 2016 22:30

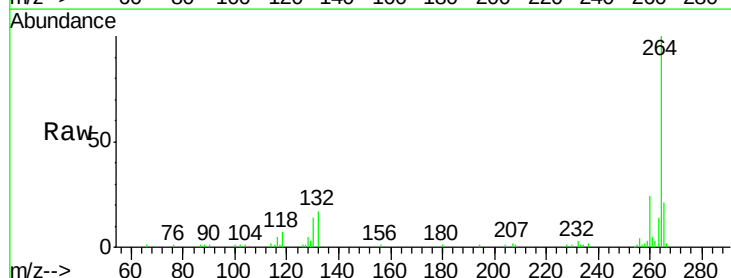
Tgt Ion:264 Resp: 97956

Ion Ratio Lower Upper

264 100

260 23.8 18.7 28.1

265 21.4 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

