

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080416\
 Data File : BF089604.D
 Acq On : 5 Aug 2016 00:11
 Operator : UM/SJ
 Sample : PB90673TB
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB92673TB

Quant Time: Aug 05 01:53:49 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	41071	20.00	ng	0.00
21) Naphthalene-d8	9.47	136	174180	20.00	ng	0.00
38) Acenaphthene-d10	12.29	164	86293	20.00	ng	-0.01
63) Phenanthrene-d10	14.69	188	171239	20.00	ng	-0.01
75) Chrysene-d12	18.38	240	121046	20.00	ng	-0.01
86) Perylene-d12	20.05	264	90021	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.34	112	232938	95.06	ng	0.02
7) Phenol-d6	6.97	99	321183	96.62	ng	-0.01
23) Nitrobenzene-d5	8.34	82	188796	59.95	ng	-0.02
41) 2,4,6-Tribromophenol	13.58	330	65206	91.57	ng	-0.01
44) 2-Fluorobiphenyl	11.24	172	380869	57.36	ng	-0.01
78) Terphenyl-d14	17.05	244	368895	60.16	ng	0.00

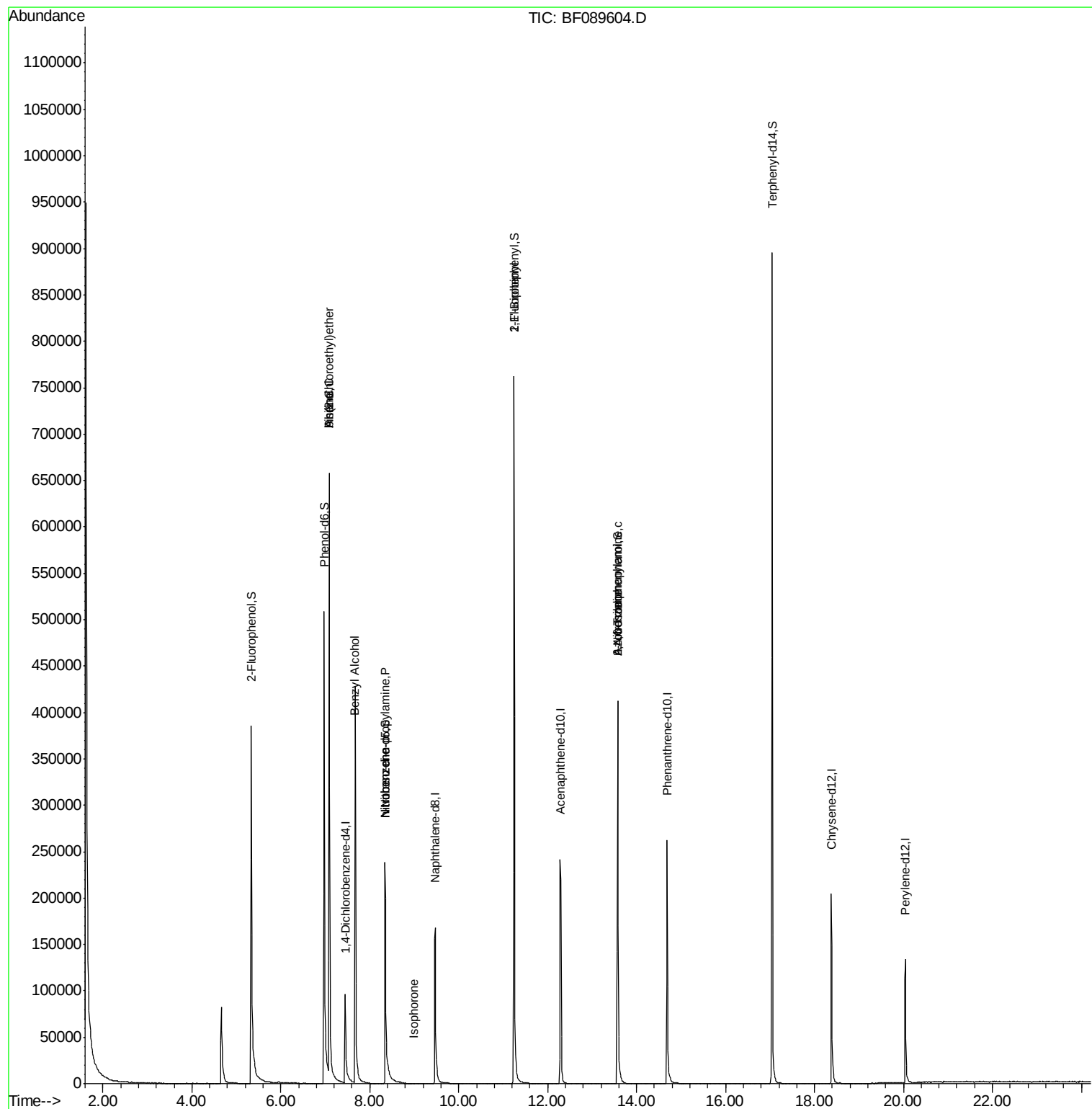
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Aniline	7.08	93	222	0.05	ng	# 1
10) Phenol	7.08	94	285	0.08	ng	# 1
11) bis(2-Chloroethyl)ether	7.08	93	222	0.08	ng	# 1
15) Benzyl Alcohol	7.67	79	3134	1.44	ng	# 46
19) n-Nitroso-di-n-propylamine	8.34	70	21783	9.07	ng	# 81
24) Nitrobenzene	8.34	77	216	0.07	ng	# 42
25) Isophorone	8.98	82	1161	0.19	ng	# 68
45) 1,1'-Biphenyl	11.24	154	337	0.04	ng	# 1
62) Azobenzene	13.58	77	210	0.03	ng	# 15
65) n-Nitrosodiphenylamine	13.58	169	2313	0.40	ng	# 35

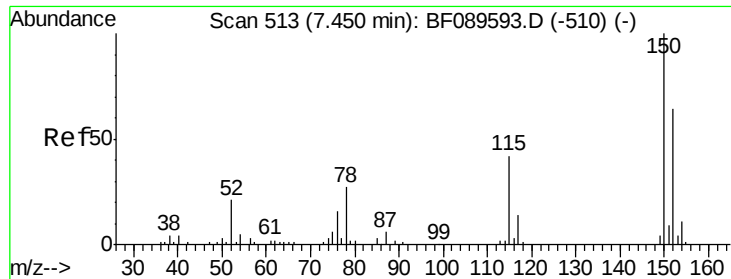
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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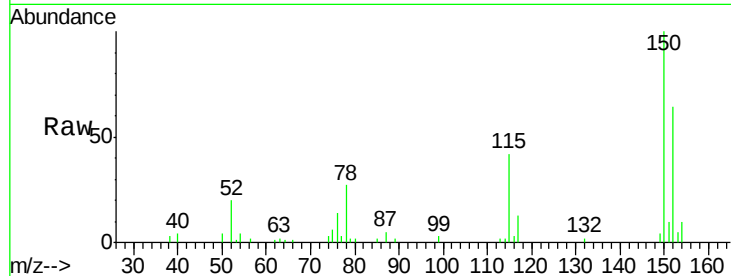




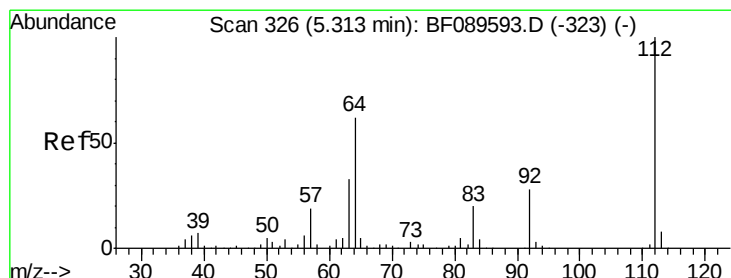
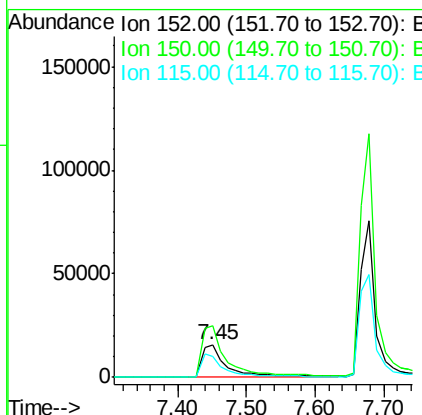
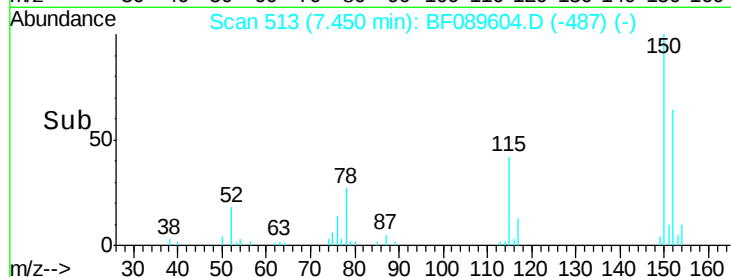
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.45 min Scan# 513
 Delta R.T. 0.00 min
 Lab File: BF089604.D
 Acq: 5 Aug 2016 00:11

Instrument :
 BNA_F
 ClientSampleId :
 PB92673TB

Tgt Ion:152 Resp: 41071
 Ion Ratio Lower Upper
 152 100
 150 155.8 125.5 188.3
 115 64.7 52.0 78.0

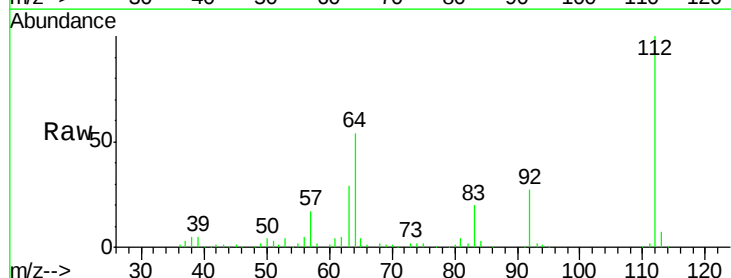


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

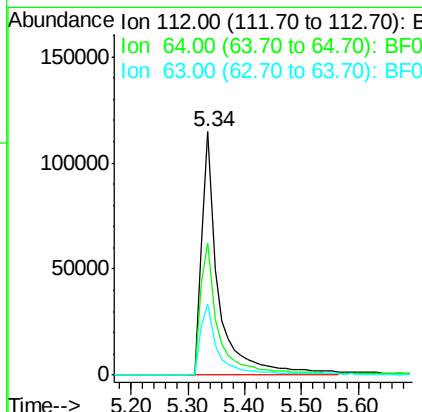
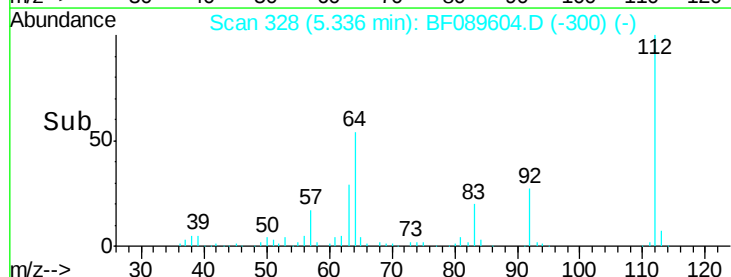


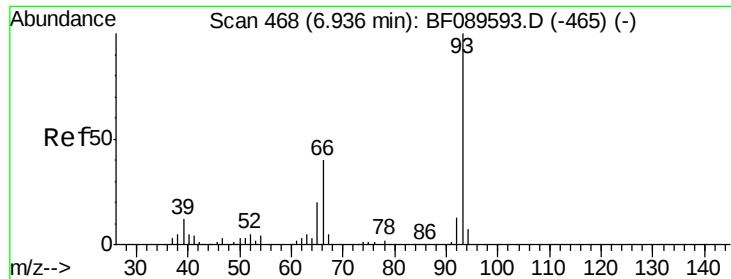
#5
 2-Fluorophenol
 Concen: 95.06 ng
 RT: 5.34 min Scan# 328
 Delta R.T. 0.02 min
 Lab File: BF089604.D
 Acq: 5 Aug 2016 00:11

Tgt Ion:112 Resp: 232938
 Ion Ratio Lower Upper
 112 100
 64 54.5 49.9 74.9
 63 29.3 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: 0.05 ng

RT: 7.08 min Scan# 481

Delta R.T. 0.15 min

Lab File: BF089604.D

Acq: 5 Aug 2016 00:11

Instrument :

BNA_F

ClientSampleId :

PB92673TB

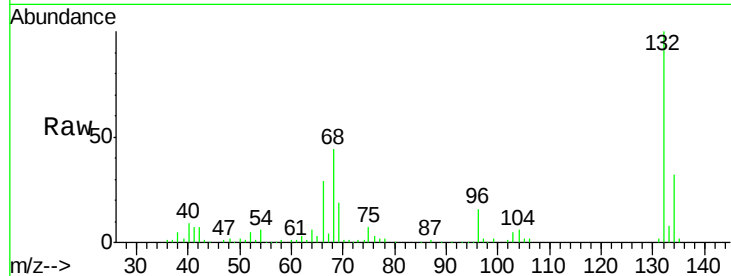
Tgt Ion: 93 Resp: 222

Ion Ratio Lower Upper

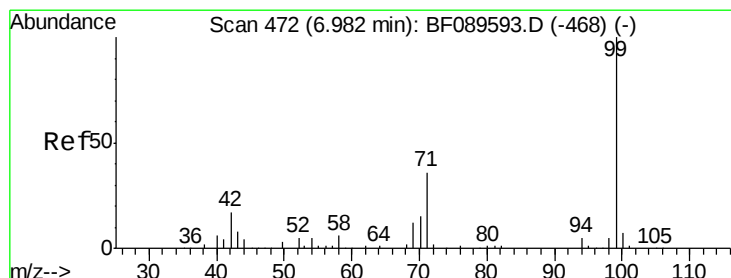
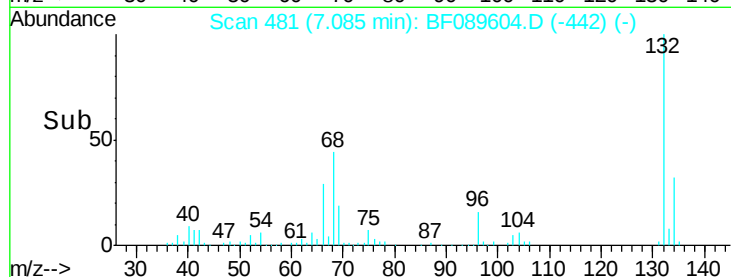
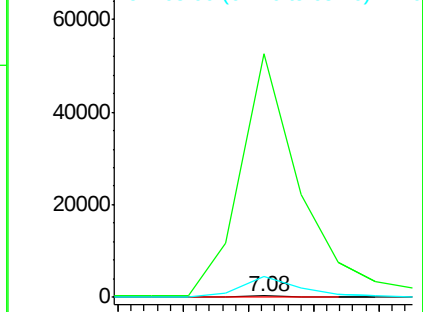
93 100

66 16270.0 32.2 48.2#

65 1402.2 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: 96.62 ng

RT: 6.97 min Scan# 471

Delta R.T. -0.01 min

Lab File: BF089604.D

Acq: 5 Aug 2016 00:11

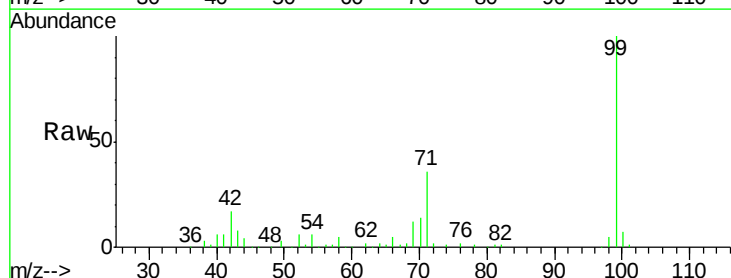
Tgt Ion: 99 Resp: 321183

Ion Ratio Lower Upper

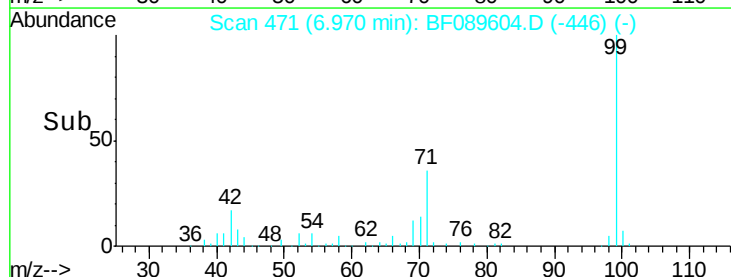
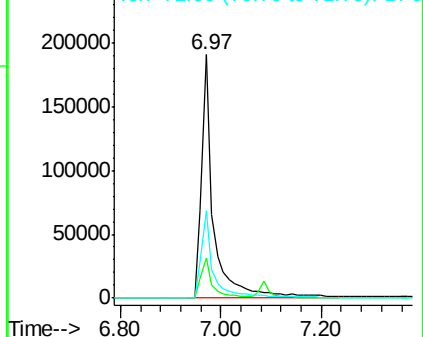
99 100

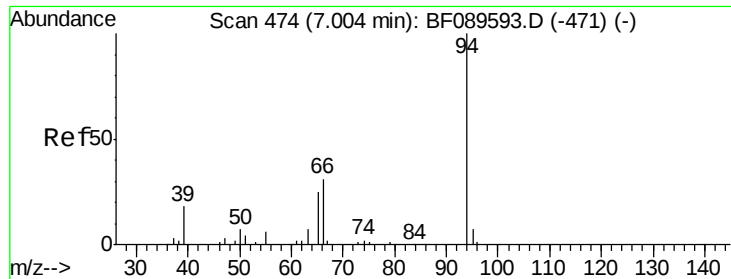
42 16.6 13.7 20.5

71 35.8 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

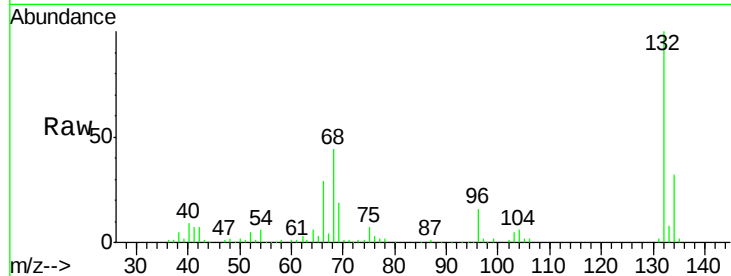




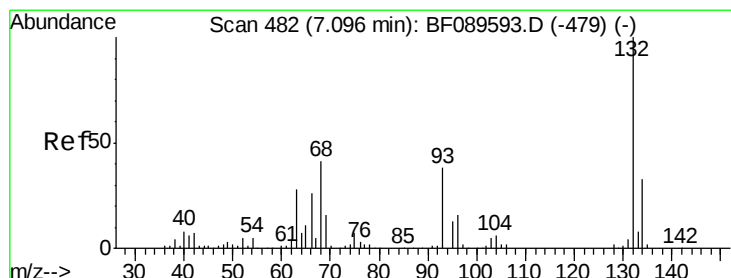
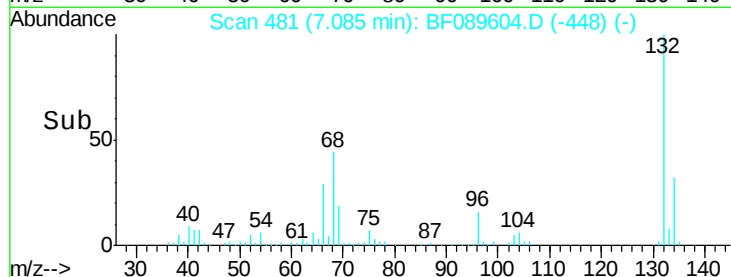
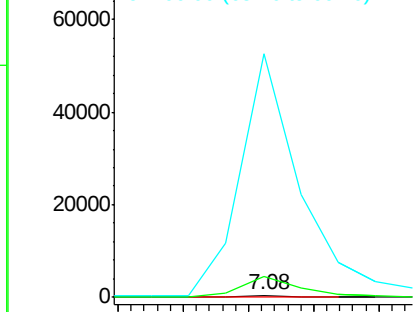
#10
Phenol
Concen: 0.08 ng
RT: 7.08 min Scan# 481
Delta R.T. 0.08 min
Lab File: BF089604.D
Acq: 5 Aug 2016 00:11

Instrument :
BNA_F
ClientSampleId :
PB92673TB

Tgt Ion: 94 Resp: 285
Ion Ratio Lower Upper
94 100
65 1088.7 11.0 51.0#
66 12632.7 27.4 67.4#

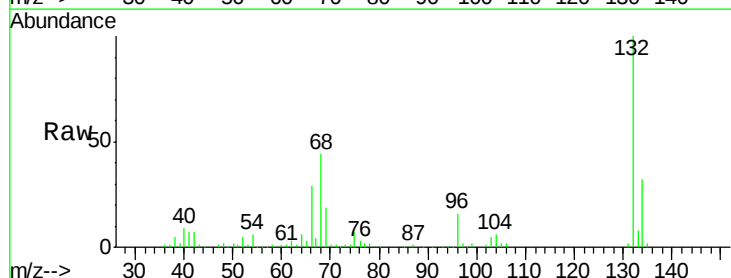


Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0

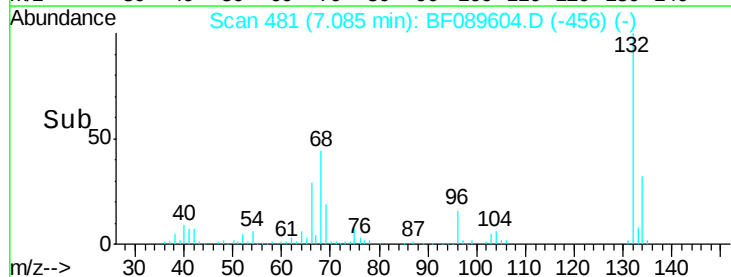
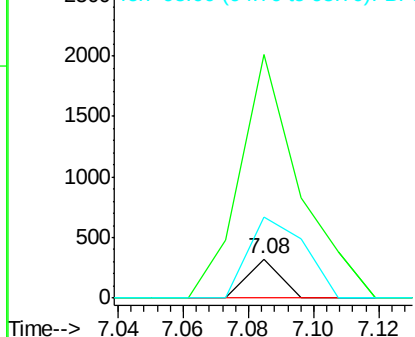


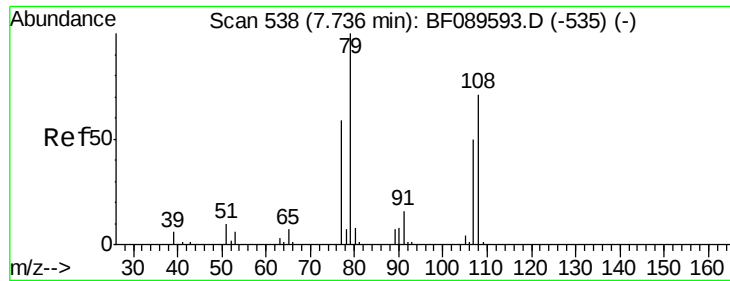
#11
bis(2-Chloroethyl)ether
Concen: 0.08 ng
RT: 7.08 min Scan# 481
Delta R.T. -0.01 min
Lab File: BF089604.D
Acq: 5 Aug 2016 00:11

Tgt Ion: 93 Resp: 222
Ion Ratio Lower Upper
93 100
63 622.3 52.2 92.2#
95 207.7 13.1 53.1#



Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 63.00 (62.70 to 63.70): BF0
Ion 95.00 (94.70 to 95.70): BF0





#15

Benzyl Alcohol

Concen: 1.44 ng

RT: 7.67 min Scan# 532

Delta R.T. -0.07 min

Lab File: BF089604.D

Acq: 5 Aug 2016 00:11

Instrument :

BNA_F

ClientSampled :

PB92673TB

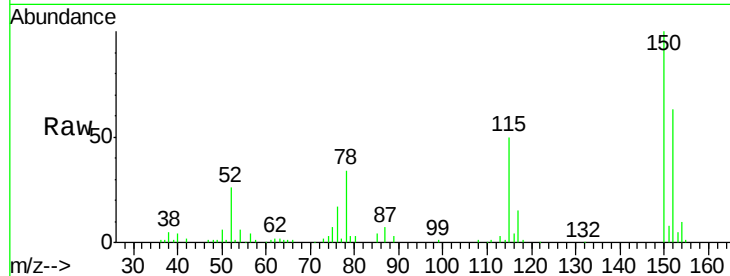
Tgt Ion: 79 Resp: 3134

Ion Ratio Lower Upper

79 100

108 25.1 58.3 87.5#

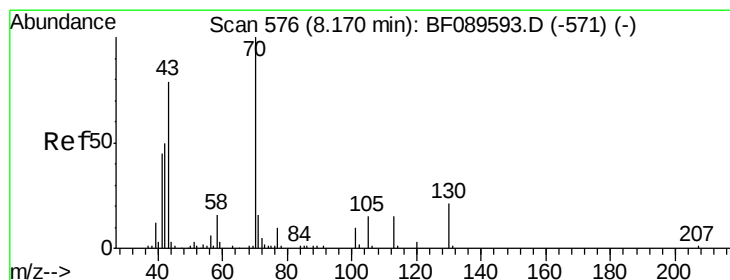
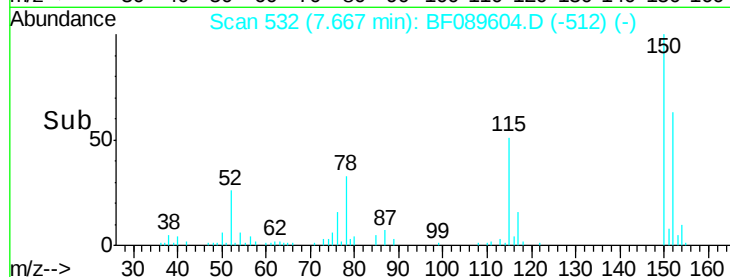
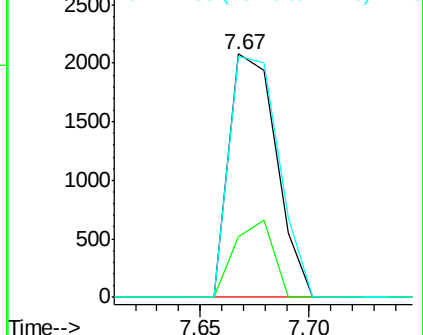
77 99.2 48.7 73.1#



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: 9.07 ng

RT: 8.34 min Scan# 591

Delta R.T. 0.17 min

Lab File: BF089604.D

Acq: 5 Aug 2016 00:11

Tgt Ion: 70 Resp: 21783

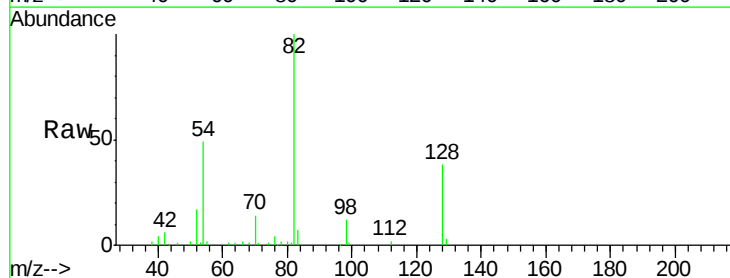
Ion Ratio Lower Upper

70 100

42 45.6 40.2 60.2

101 0.0 7.8 11.6#

130 0.0 16.4 24.6#

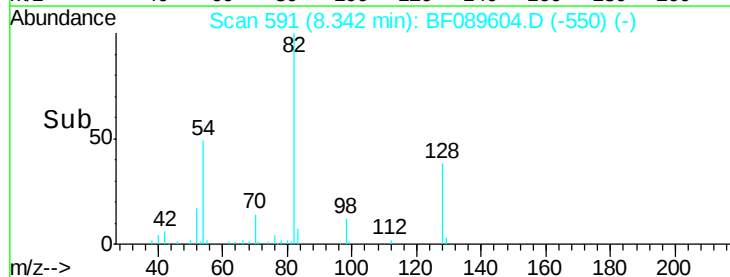
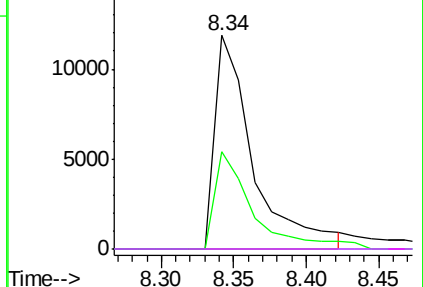


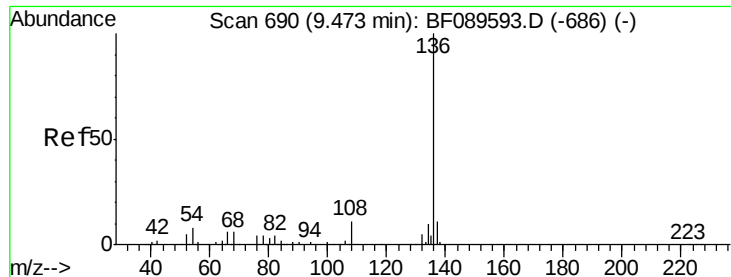
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.47 min Scan# 690

Delta R.T. 0.00 min

Lab File: BF089604.D

Acq: 5 Aug 2016 00:11

Instrument :

BNA_F

ClientSampleId :

PB92673TB

Tgt Ion:136 Resp: 174180

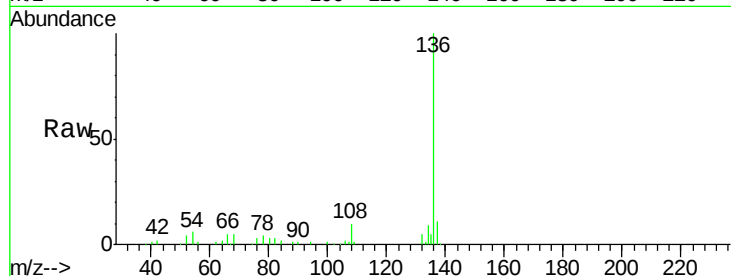
Ion Ratio Lower Upper

136 100

137 10.6 8.6 12.8

54 6.2 6.0 9.0

68 5.2 4.6 6.8

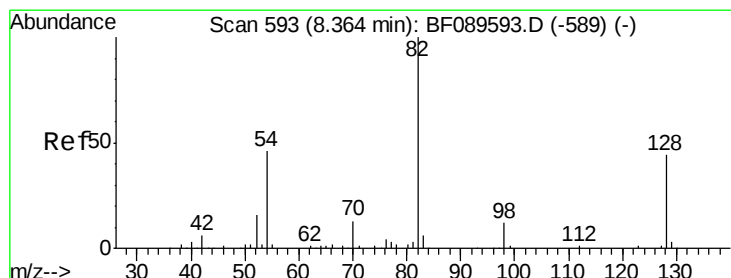
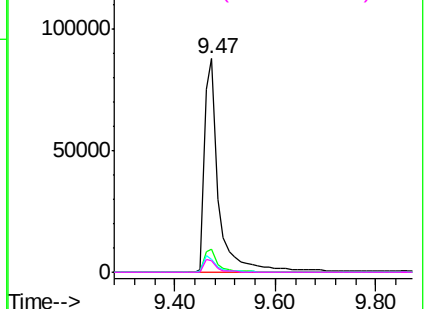
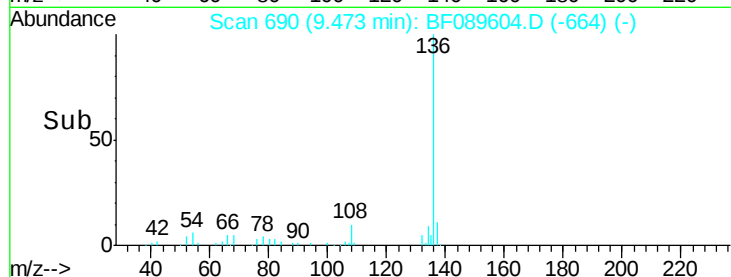


Abundance Ion 136.00 (135.70 to 136.70): E

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: 59.95 ng

RT: 8.34 min Scan# 591

Delta R.T. -0.02 min

Lab File: BF089604.D

Acq: 5 Aug 2016 00:11

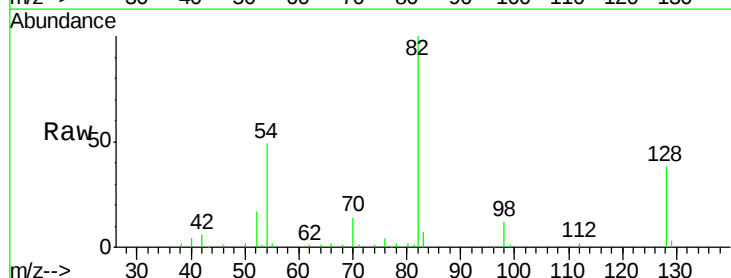
Tgt Ion: 82 Resp: 188796

Ion Ratio Lower Upper

82 100

128 38.1 35.4 53.0

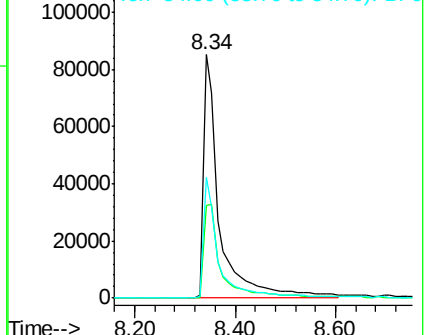
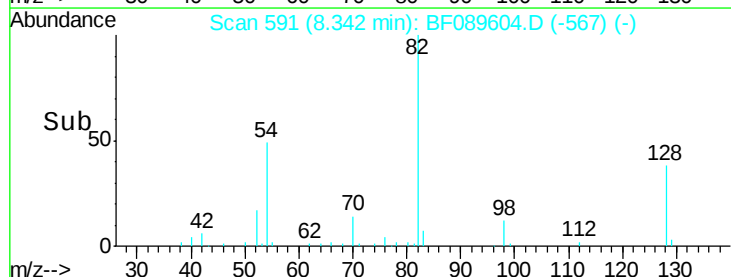
54 49.5 36.4 54.6

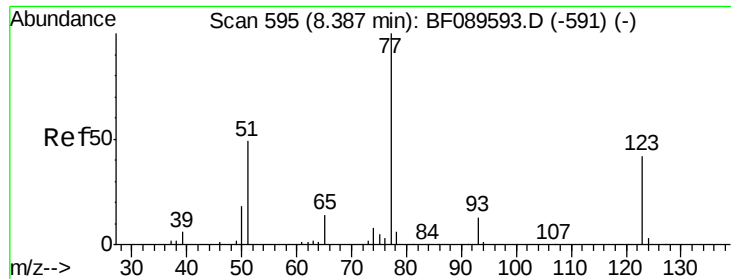


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

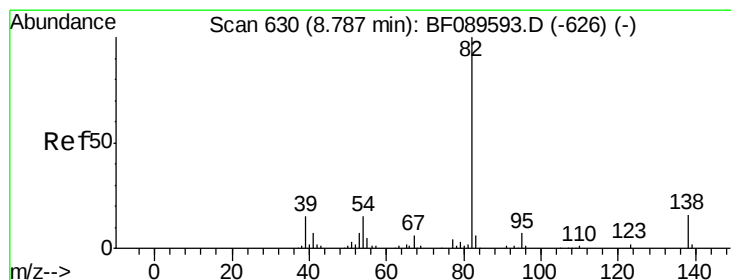
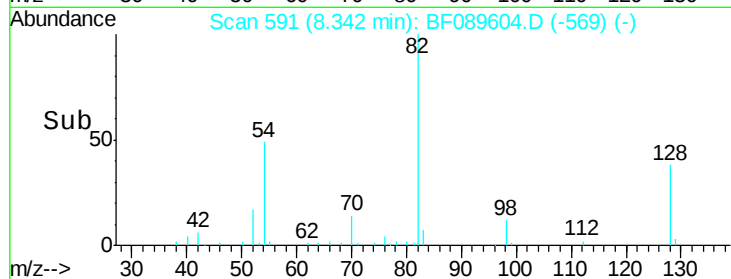
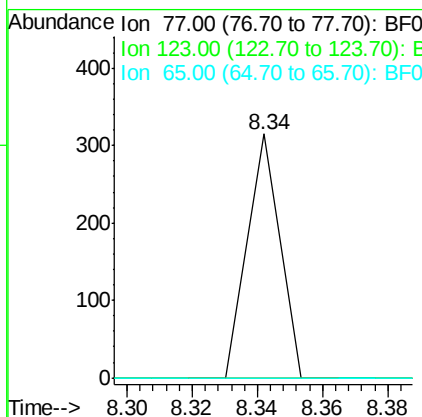
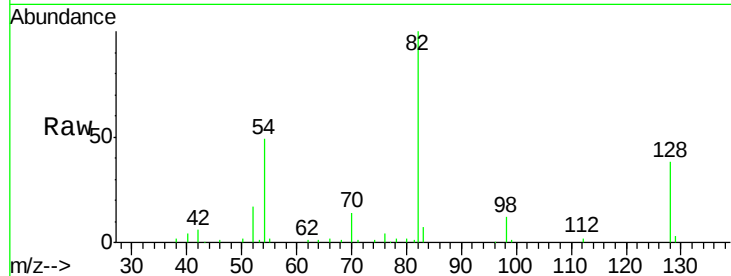




#24
 Nitrobenzene
 Concen: 0.07 ng
 RT: 8.34 min Scan# 591
 Delta R.T. -0.05 min
 Lab File: BF089604.D
 Acq: 5 Aug 2016 00:11

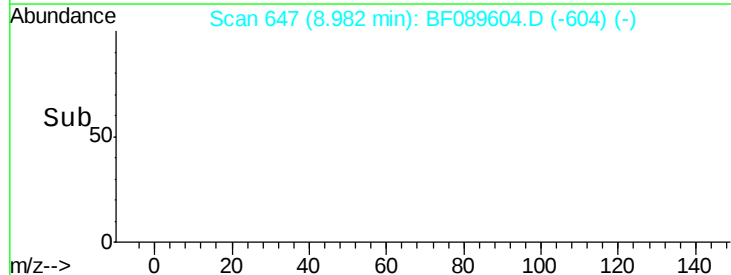
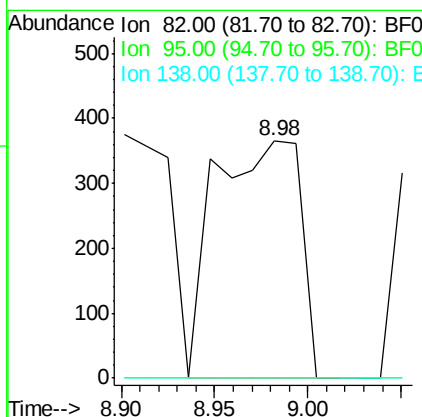
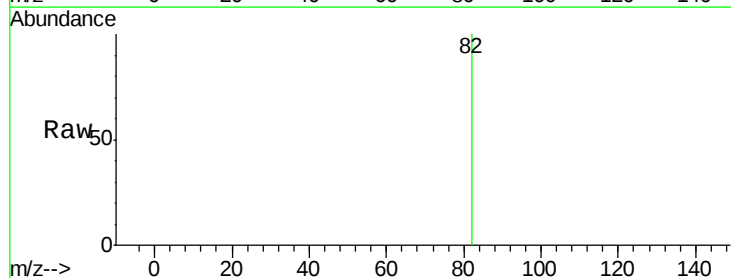
Instrument :
 BNA_F
 ClientSampleId :
 PB92673TB

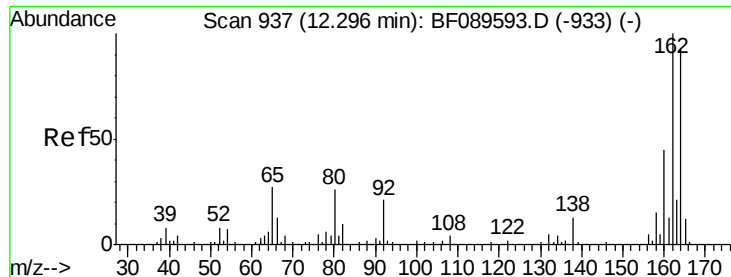
Tgt Ion: 77 Resp: 216
 Ion Ratio Lower Upper
 77 100
 123 0.0 32.6 49.0#
 65 0.0 11.0 16.6#



#25
 Isophorone
 Concen: 0.19 ng
 RT: 8.98 min Scan# 647
 Delta R.T. 0.19 min
 Lab File: BF089604.D
 Acq: 5 Aug 2016 00:11

Tgt Ion: 82 Resp: 1161
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.8 8.8#
 138 0.0 12.6 18.8#

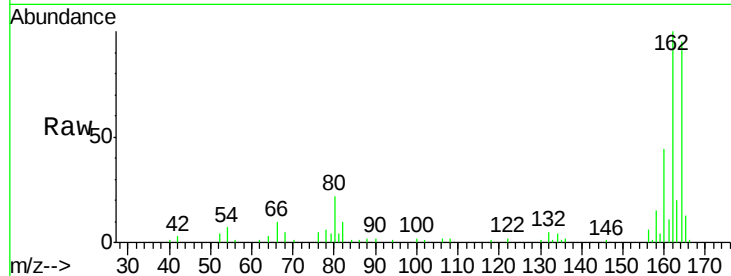




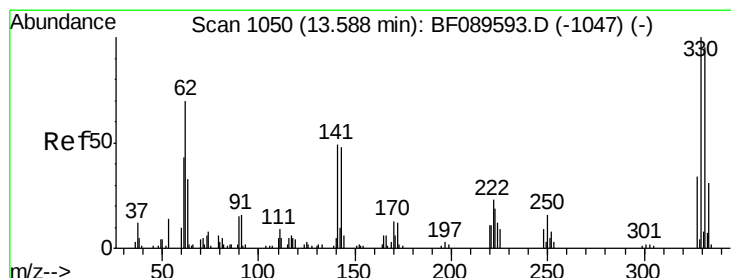
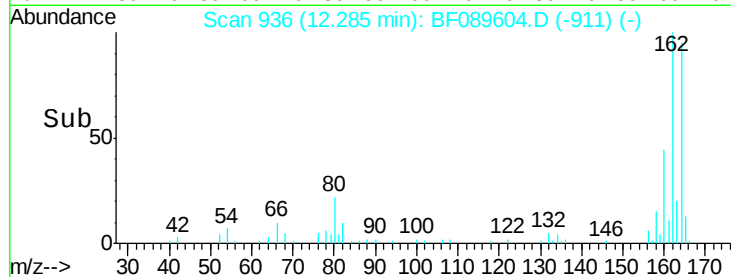
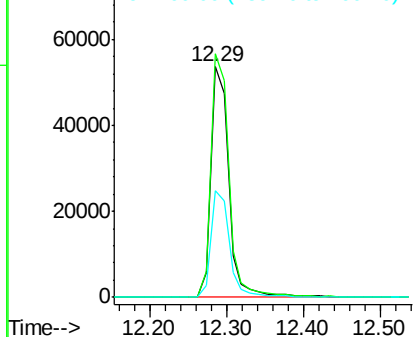
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.29 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: BF089604.D
 Acq: 5 Aug 2016 00:11

Instrument :
 BNA_F
 ClientSampleId :
 PB92673TB

Tgt Ion:164 Resp: 86293
 Ion Ratio Lower Upper
 164 100
 162 105.5 85.7 128.5
 160 46.2 38.2 57.4

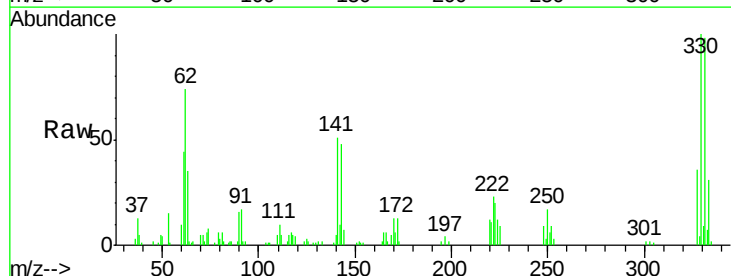


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

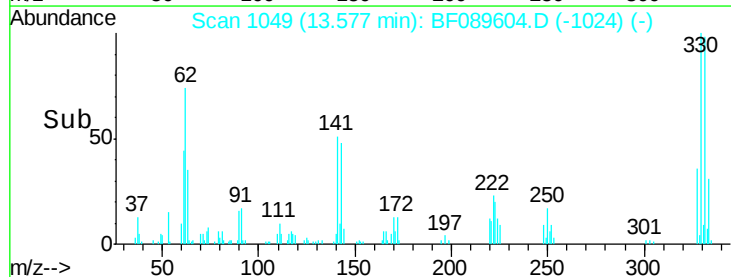
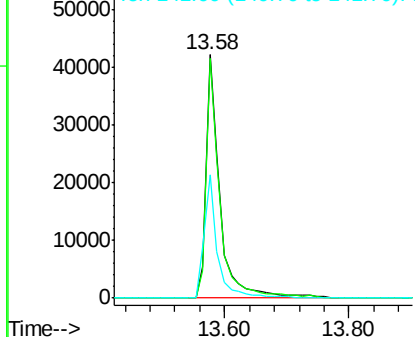


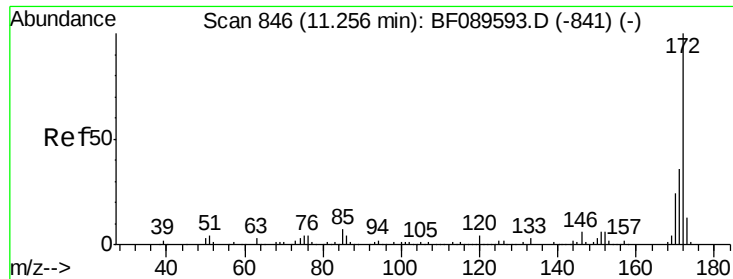
#41
 2,4,6-Tribromophenol
 Concen: 91.57 ng
 RT: 13.58 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: BF089604.D
 Acq: 5 Aug 2016 00:11

Tgt Ion:330 Resp: 65206
 Ion Ratio Lower Upper
 330 100
 332 97.3 77.0 115.6
 141 49.2 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

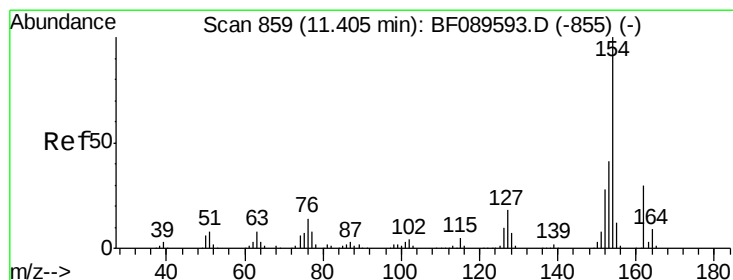
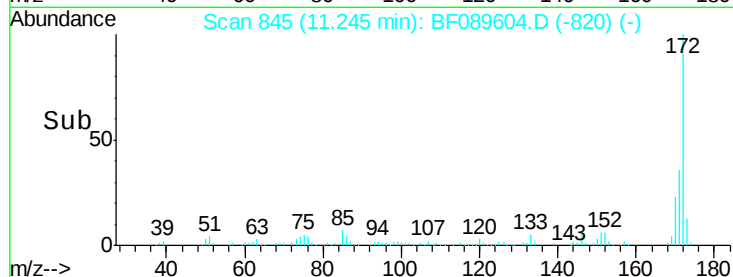
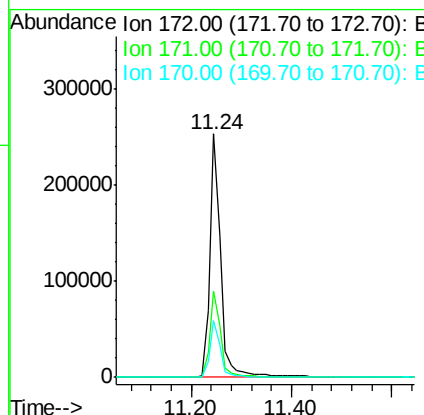
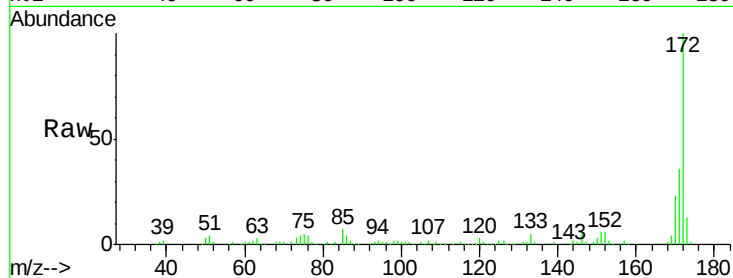




#44
 2-Fluorobiphenyl
 Concen: 57.36 ng
 RT: 11.24 min Scan# 845
 Delta R.T. -0.01 min
 Lab File: BF089604.D
 Acq: 5 Aug 2016 00:11

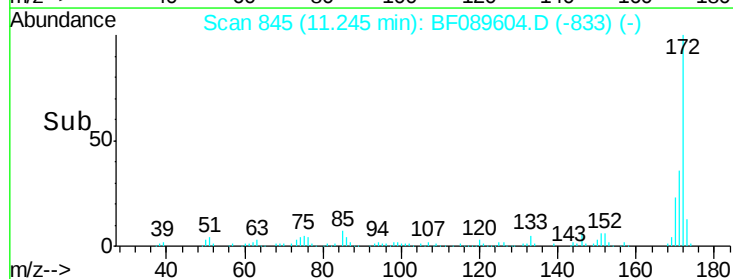
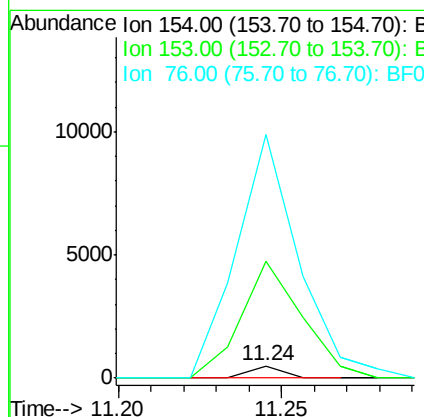
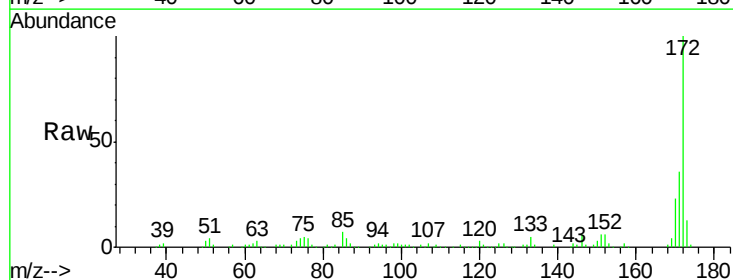
Instrument :
 BNA_F
 ClientSampleId :
 PB92673TB

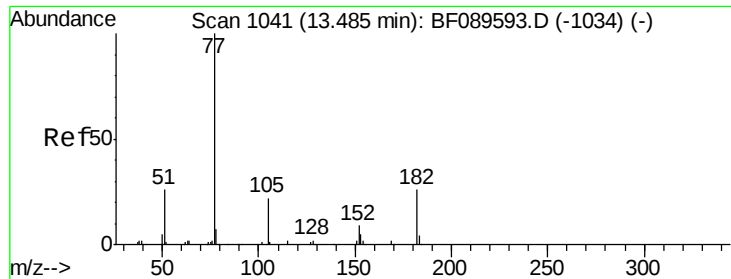
Tgt Ion:172 Resp: 380869
 Ion Ratio Lower Upper
 172 100
 171 35.6 28.9 43.3
 170 23.3 19.0 28.6



#45
 1,1'-Biphenyl
 Concen: 0.04 ng
 RT: 11.24 min Scan# 845
 Delta R.T. -0.16 min
 Lab File: BF089604.D
 Acq: 5 Aug 2016 00:11

Tgt Ion:154 Resp: 337
 Ion Ratio Lower Upper
 154 100
 153 961.0 20.6 60.6#
 76 2008.1 0.0 33.7#





#62

Azobenzene

Concen: 0.03 ng

RT: 13.58 min Scan# 1049

Delta R.T. 0.09 min

Lab File: BF089604.D

Acq: 5 Aug 2016 00:11

Instrument :

BNA_F

ClientSampleId :

PB92673TB

Tgt Ion: 77 Resp: 210

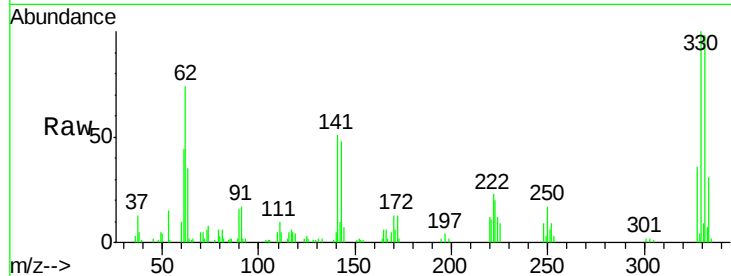
Ion Ratio Lower Upper

77 100

182 0.0 5.8 45.8#

105 102.0 2.9 42.9#

51 0.0 7.2 47.2#

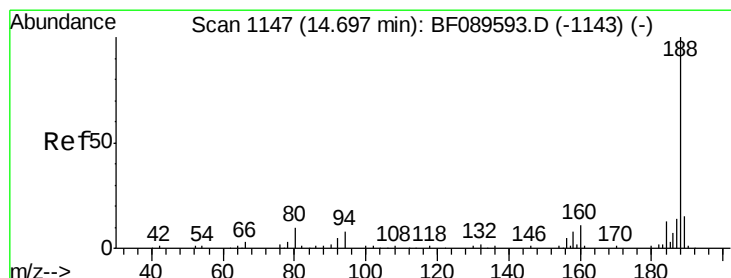
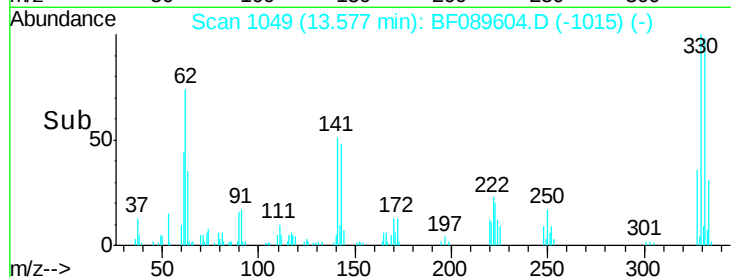
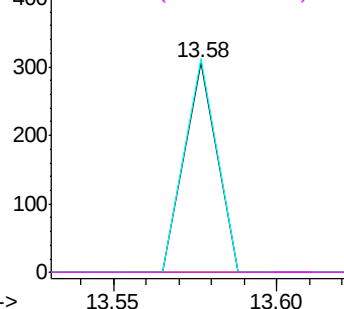


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: BF089604.D

Acq: 5 Aug 2016 00:11

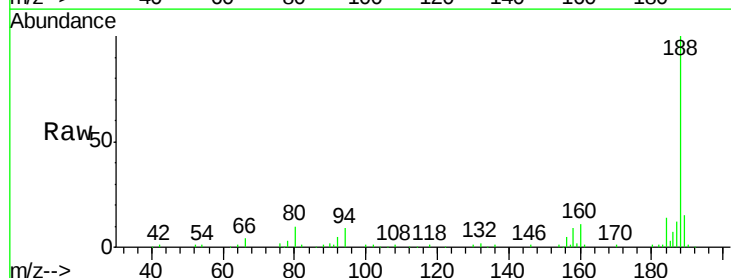
Tgt Ion: 188 Resp: 171239

Ion Ratio Lower Upper

188 100

94 9.0 6.5 9.7

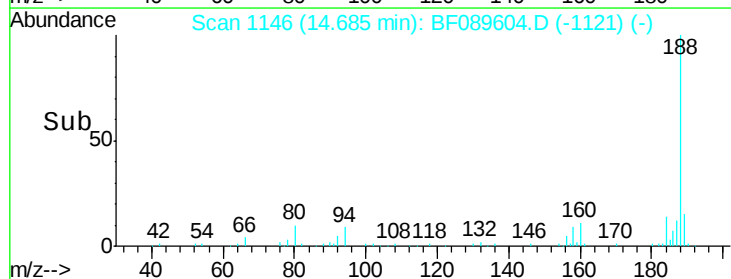
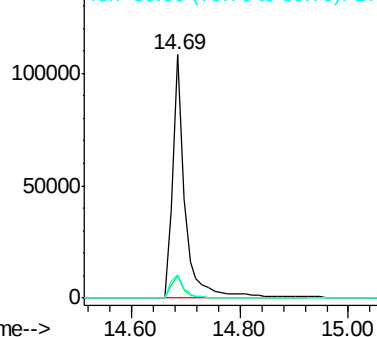
80 9.9 8.0 12.0

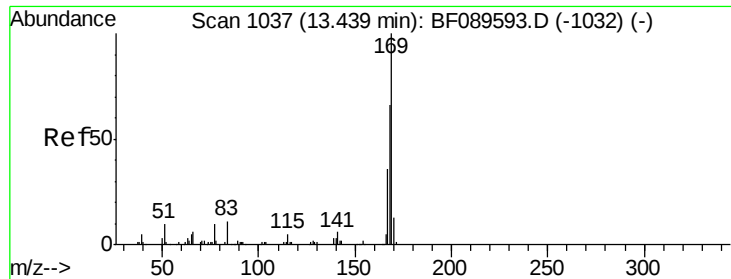


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

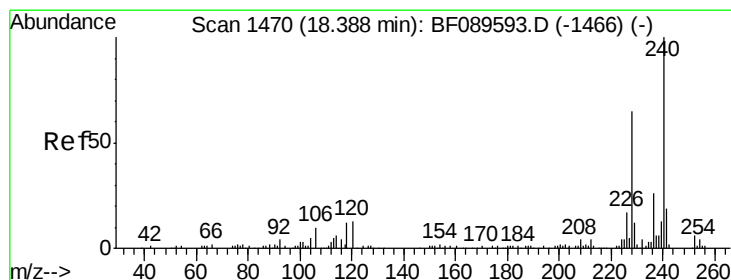
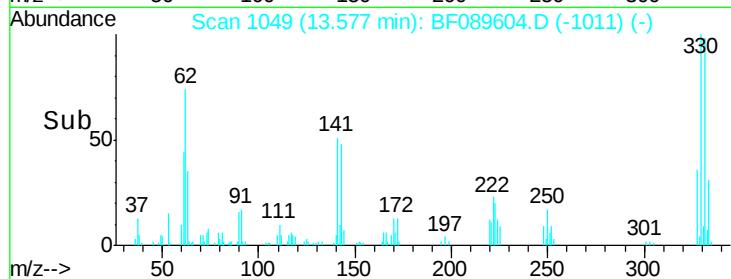
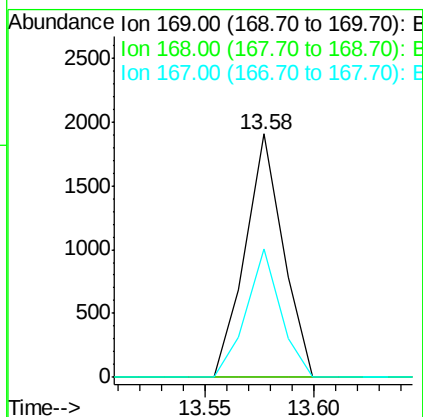
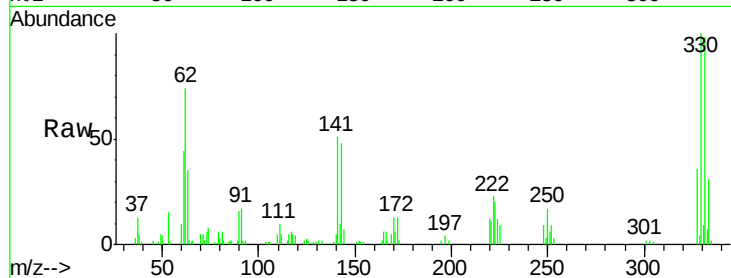




#65
 n-Nitrosodiphenylamine
 Concen: 0.40 ng
 RT: 13.58 min Scan# 1049
 Delta R.T. 0.14 min
 Lab File: BF089604.D
 Acq: 5 Aug 2016 00:11

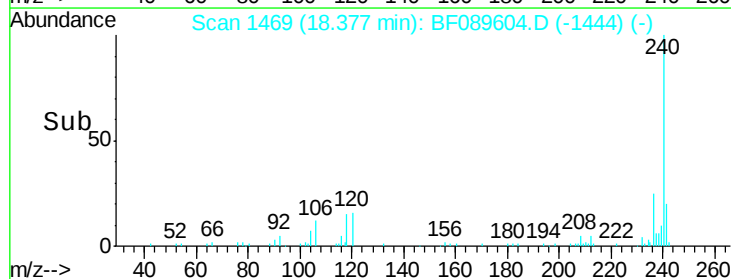
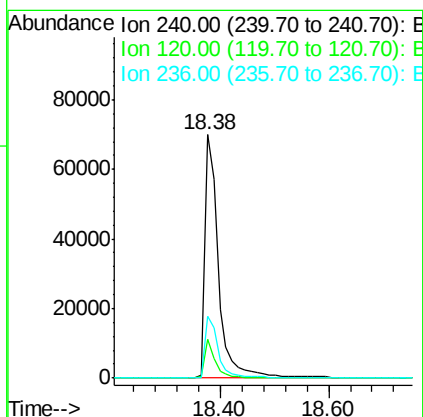
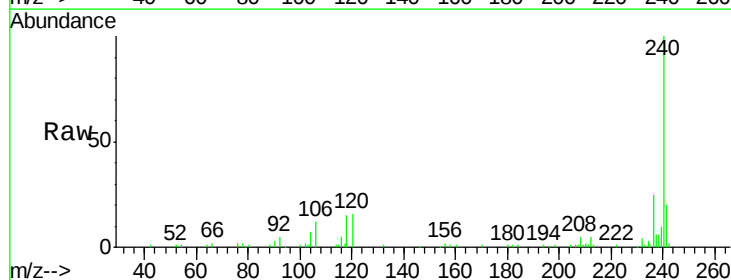
Instrument :
 BNA_F
 ClientSampleId :
 PB92673TB

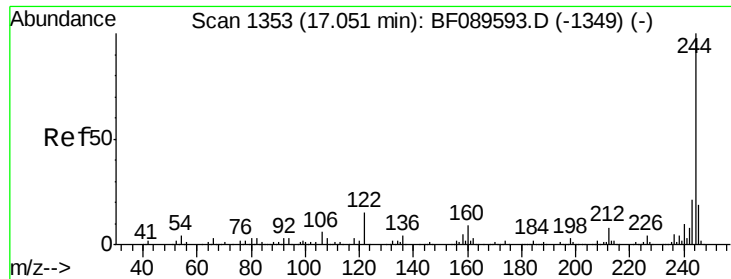
Tgt Ion:169 Resp: 2313
 Ion Ratio Lower Upper
 169 100
 168 0.0 54.2 81.2#
 167 52.6 28.9 43.3#



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.38 min Scan# 1469
 Delta R.T. -0.01 min
 Lab File: BF089604.D
 Acq: 5 Aug 2016 00:11

Tgt Ion:240 Resp: 121046
 Ion Ratio Lower Upper
 240 100
 120 15.9 10.6 15.8#
 236 25.3 20.6 30.8





#78

Terphenyl-d14

Concen: 60.16 ng

RT: 17.05 min Scan# 1353

Delta R.T. 0.00 min

Lab File: BF089604.D

Acq: 5 Aug 2016 00:11

Instrument :

BNA_F

ClientSampleId :

PB92673TB

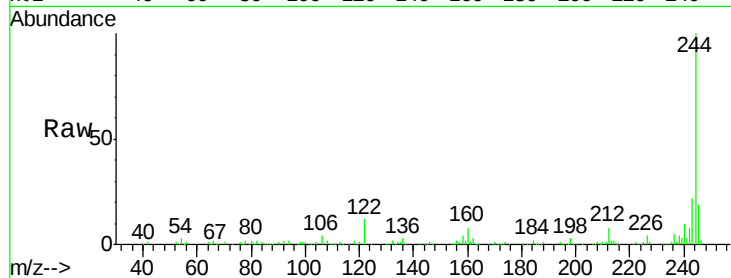
Tgt Ion:244 Resp: 368895

Ion Ratio Lower Upper

244 100

212 7.6 6.4 9.6

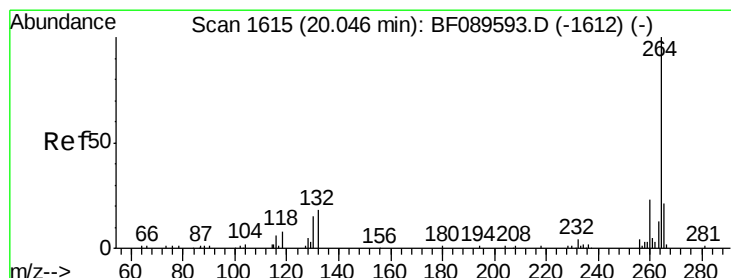
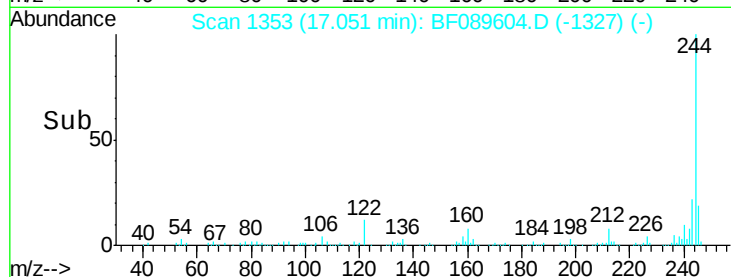
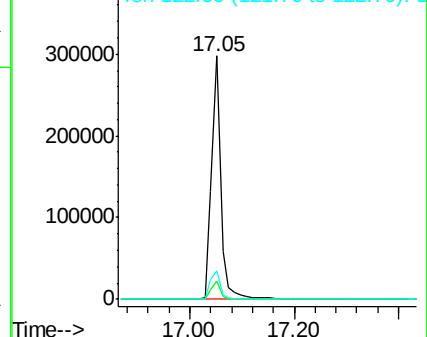
122 11.8 12.2 18.2#



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: BF089604.D

Acq: 5 Aug 2016 00:11

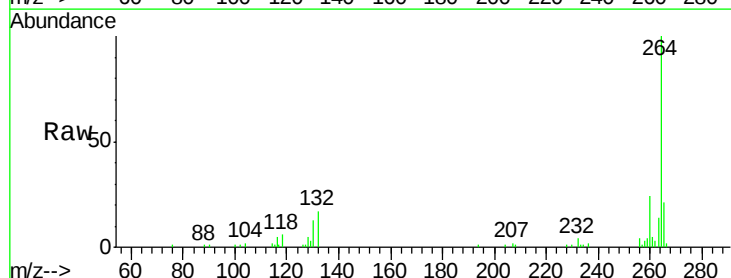
Tgt Ion:264 Resp: 90021

Ion Ratio Lower Upper

264 100

260 24.4 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

