

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080816\
 Data File : BF089661.D
 Acq On : 8 Aug 2016 14:54
 Operator : UM/SJ
 Sample : PB92687BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB92687BL

Quant Time: Aug 09 02:28:41 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

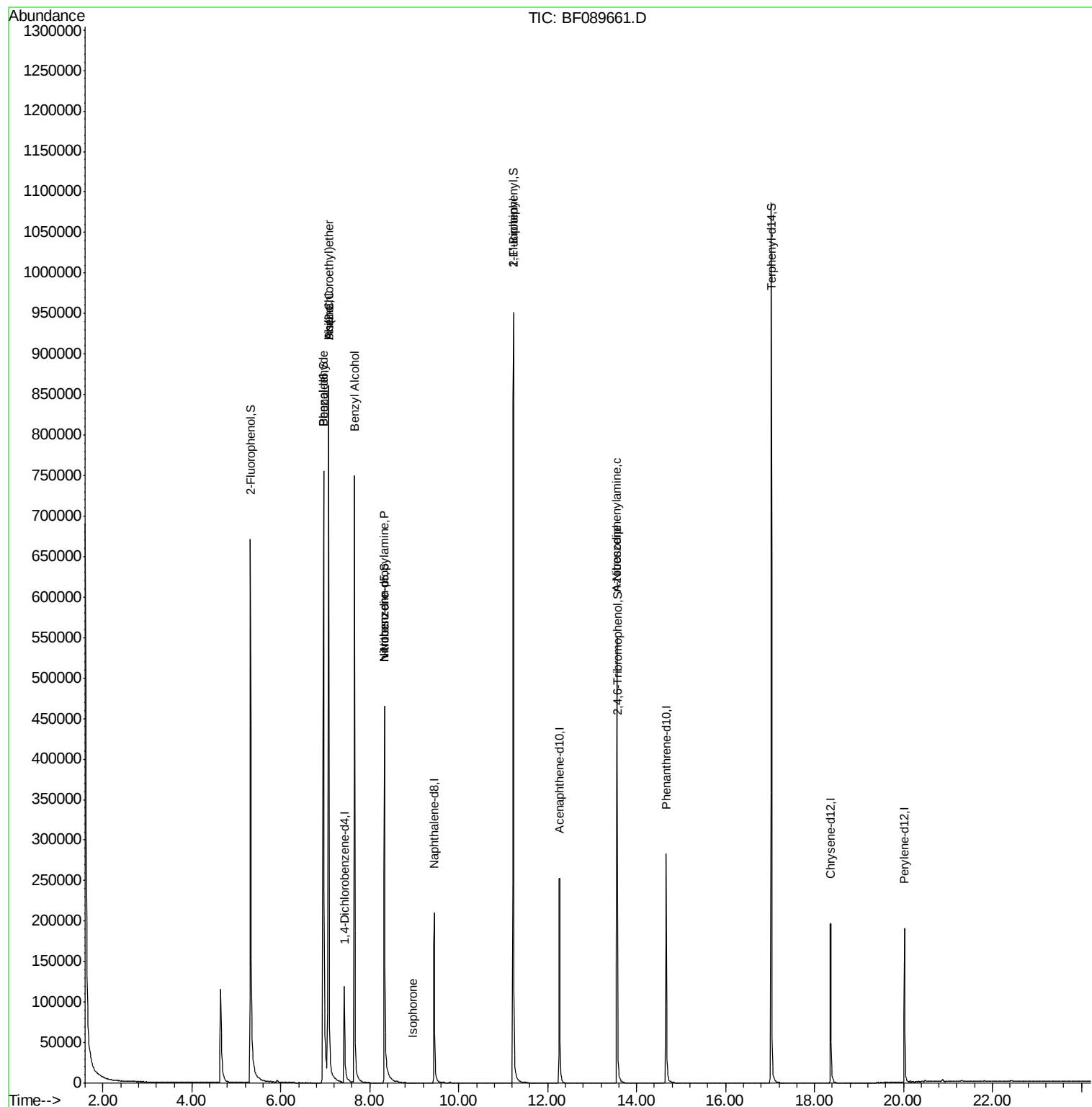
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	44063	20.00	ng	-0.02
21) Naphthalene-d8	9.45	136	188351	20.00	ng	-0.02
38) Acenaphthene-d10	12.26	164	92681	20.00	ng	-0.03
63) Phenanthrene-d10	14.66	188	185263	20.00	ng	-0.03
75) Chrysene-d12	18.37	240	128515	20.00	ng	-0.02
86) Perylene-d12	20.02	264	98339	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	342100	130.13	ng	0.00
7) Phenol-d6	6.96	99	462399	129.66	ng	-0.02
23) Nitrobenzene-d5	8.33	82	284992	83.69	ng	-0.03
41) 2,4,6-Tribromophenol	13.57	330	96499	126.17	ng	-0.02
44) 2-Fluorobiphenyl	11.23	172	554626	77.77	ng	-0.02
78) Terphenyl-d14	17.03	244	500143	76.83	ng	-0.02
Target Compounds						
6) Aniline	7.07	93	231	0.05	ng	# 1
9) Benzaldehyde	6.96	77	258	0.20	ng	# 1
10) Phenol	7.07	94	614	0.17	ng	# 1
11) bis(2-Chloroethyl)ether	7.07	93	231	0.07	ng	# 1
15) Benzyl Alcohol	7.66	79	4780	2.04	ng	# 48
19) n-Nitroso-di-n-propylamine	8.33	70	34571	13.42	ng	# 80
24) Nitrobenzene	8.33	77	577	0.18	ng	# 42
25) Isophorone	8.97	82	447	0.07	ng	# 68
45) 1,1'-Biphenyl	11.23	154	817	0.10	ng	# 1
62) Azobenzene	13.55	77	272	0.04	ng	# 1
65) n-Nitrosodiphenylamine	13.55	169	3723	0.60	ng	# 36

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.43 min Scan# 511

Delta R.T. -0.02 min

Lab File: BF089661.D

Acq: 8 Aug 2016 14:54

Instrument :

BNA_F

ClientSampleId :

PB92687BL

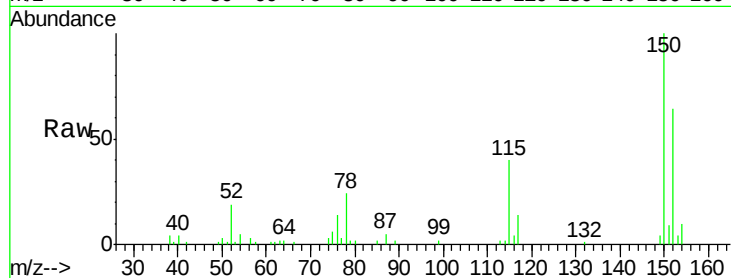
Tgt Ion:152 Resp: 44063

Ion Ratio Lower Upper

152 100

150 156.5 125.5 188.3

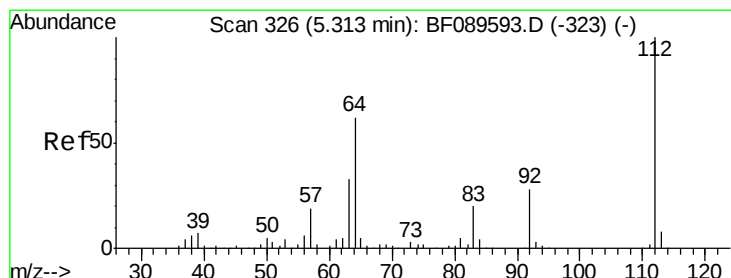
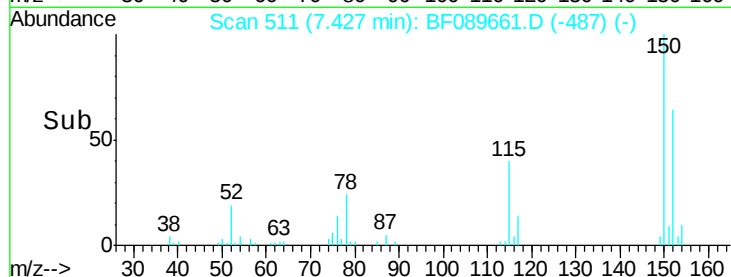
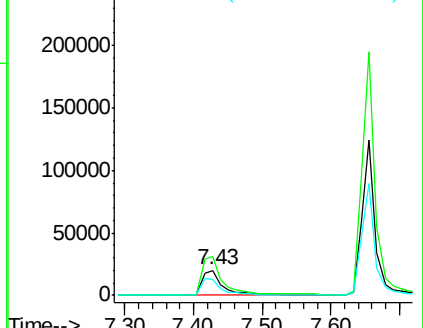
115 62.5 52.0 78.0



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: 130.13 ng

RT: 5.31 min Scan# 326

Delta R.T. 0.00 min

Lab File: BF089661.D

Acq: 8 Aug 2016 14:54

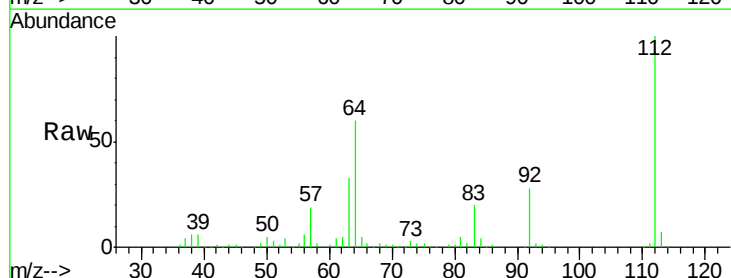
Tgt Ion:112 Resp: 342100

Ion Ratio Lower Upper

112 100

64 60.2 49.9 74.9

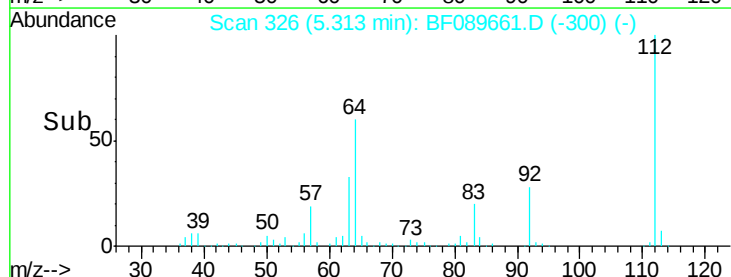
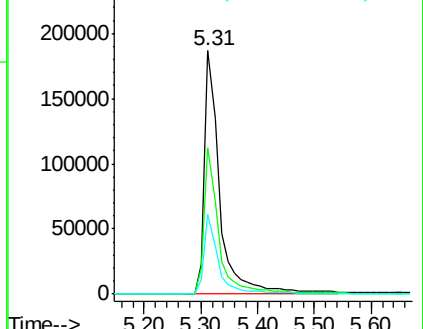
63 32.7 26.1 39.1

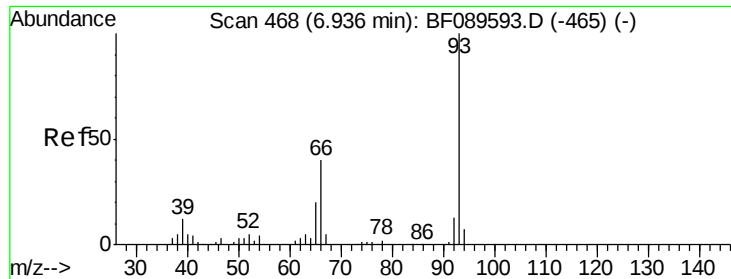


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 0.05 ng

RT: 7.07 min Scan# 480

Delta R.T. 0.14 min

Lab File: BF089661.D

Acq: 8 Aug 2016 14:54

Instrument :

BNA_F

ClientSampleId :

PB92687BL

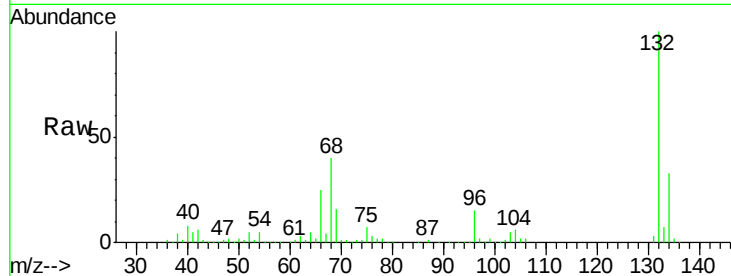
Tgt Ion: 93 Resp: 231

Ion Ratio Lower Upper

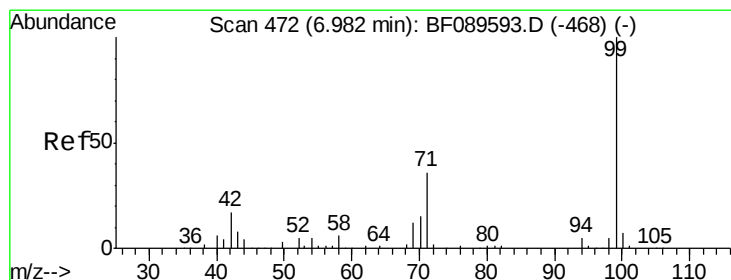
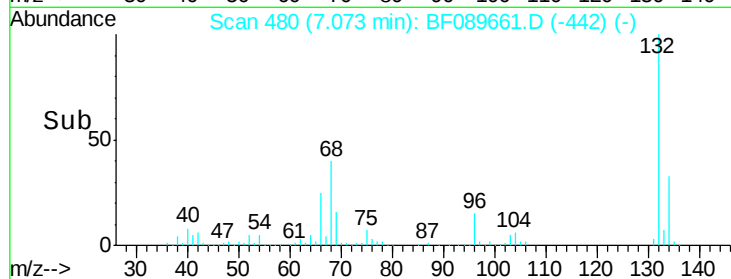
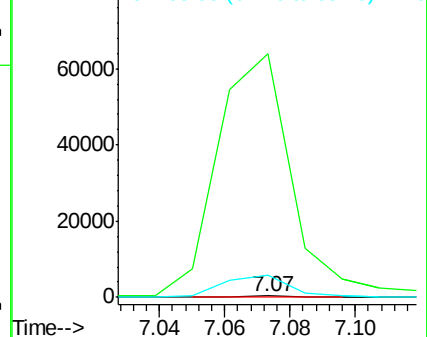
93 100

66 18967.4 32.2 48.2#

65 1693.5 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: 129.66 ng

RT: 6.96 min Scan# 470

Delta R.T. -0.02 min

Lab File: BF089661.D

Acq: 8 Aug 2016 14:54

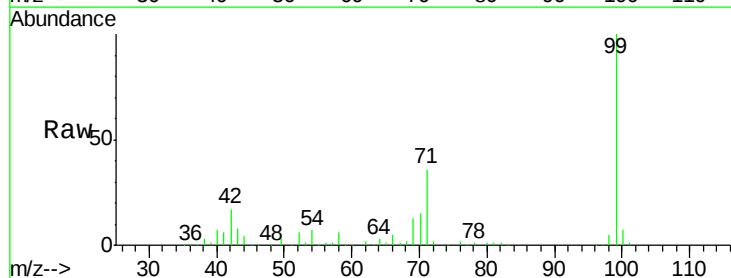
Tgt Ion: 99 Resp: 462399

Ion Ratio Lower Upper

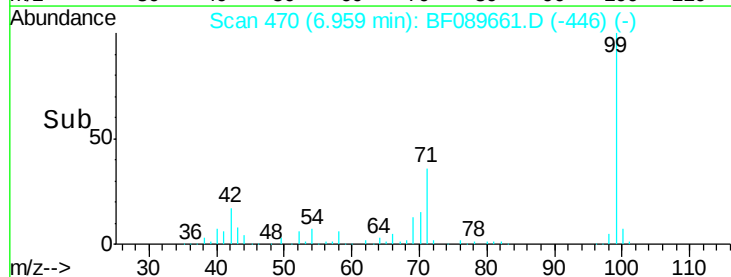
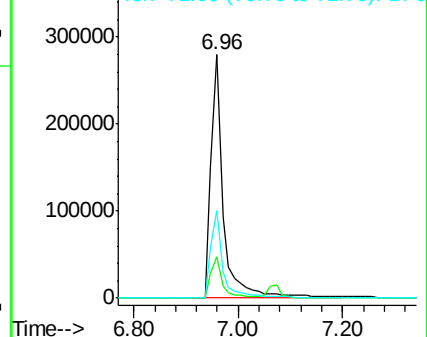
99 100

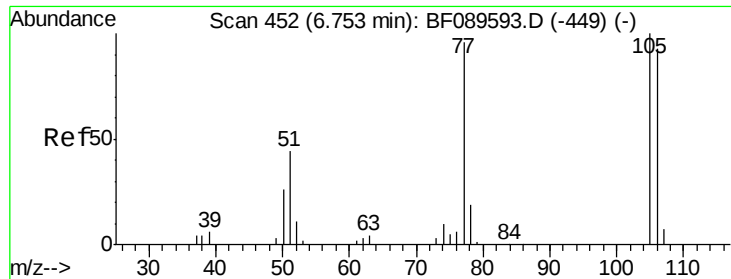
42 17.1 13.7 20.5

71 36.1 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: 0.20 ng

RT: 6.96 min Scan# 470

Delta R.T. 0.21 min

Lab File: BF089661.D

Acq: 8 Aug 2016 14:54

Instrument :

BNA_F

ClientSampled :

PB92687BL

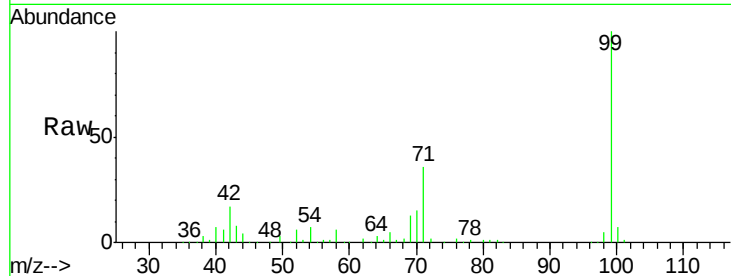
Tgt Ion: 77 Resp: 258

Ion Ratio Lower Upper

77 100

105 0.0 84.7 124.7#

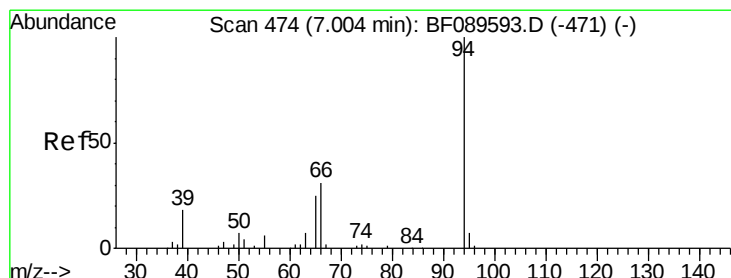
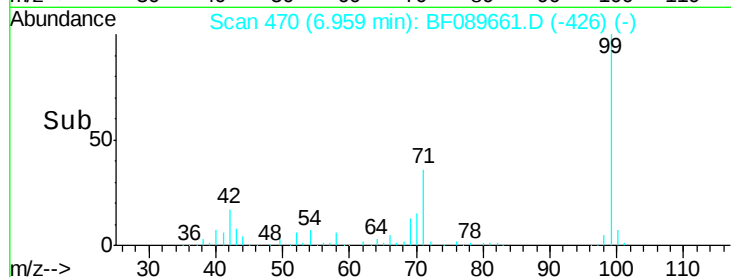
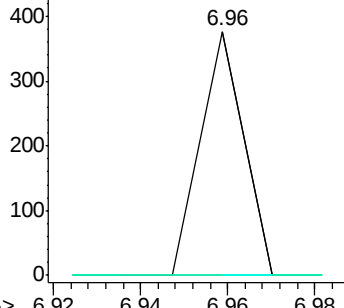
106 0.0 77.1 117.1#



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 0.17 ng

RT: 7.07 min Scan# 480

Delta R.T. 0.07 min

Lab File: BF089661.D

Acq: 8 Aug 2016 14:54

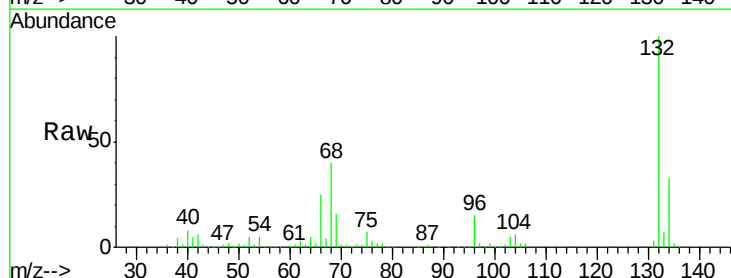
Tgt Ion: 94 Resp: 614

Ion Ratio Lower Upper

94 100

65 1132.3 11.0 51.0#

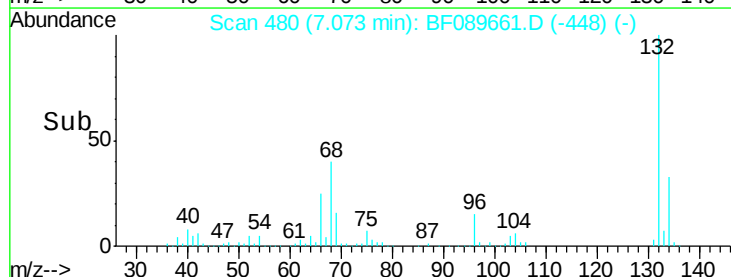
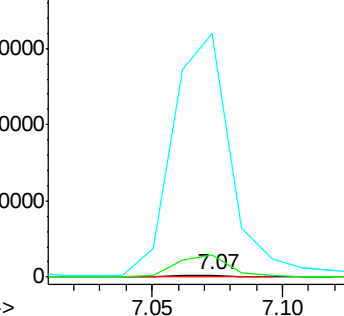
66 12682.5 27.4 67.4#

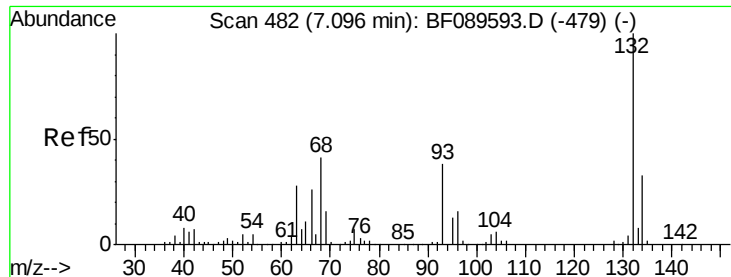


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

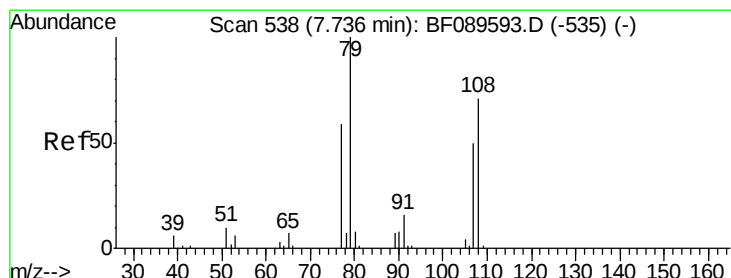
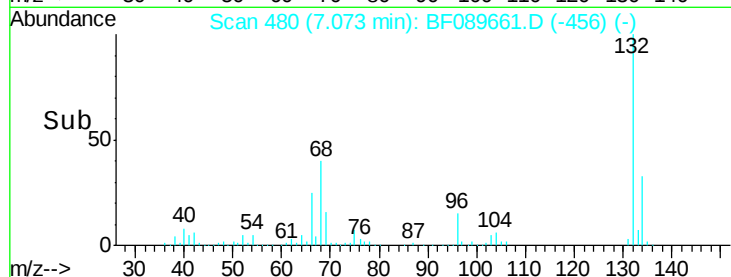
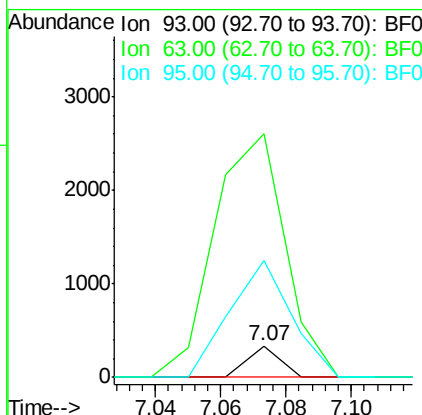
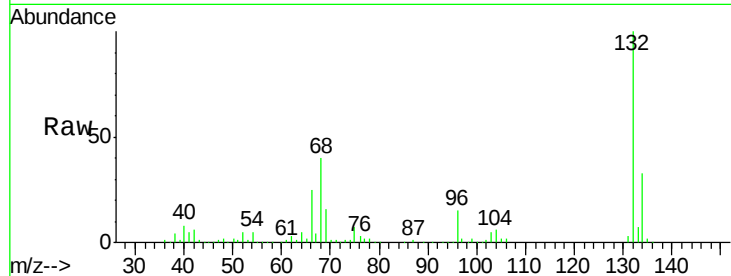




#11
bis(2-Chloroethyl)ether
Concen: 0.07 ng
RT: 7.07 min Scan# 480
Delta R.T. -0.02 min
Lab File: BF089661.D
Acq: 8 Aug 2016 14:54

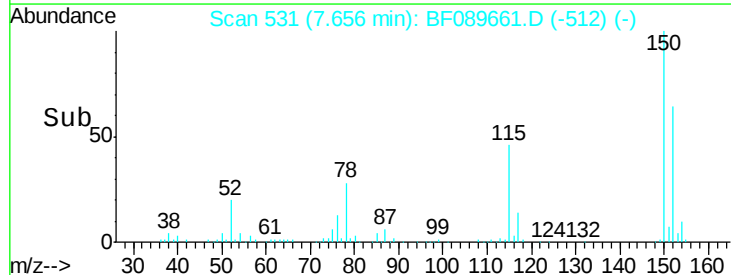
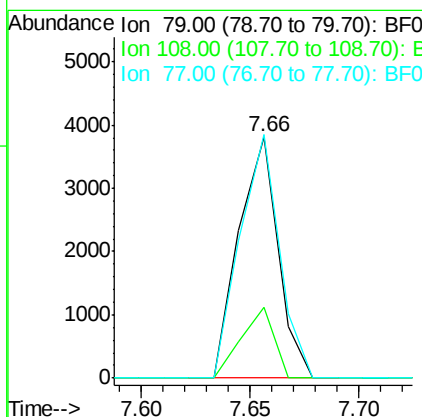
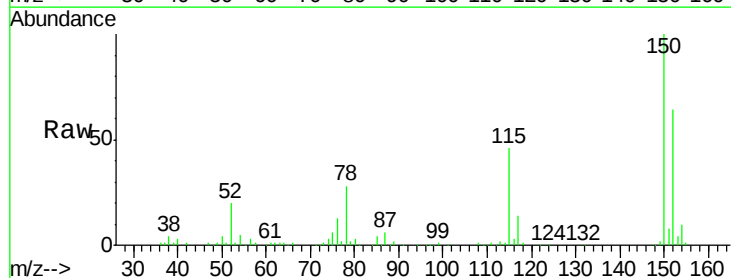
Instrument :
BNA_F
ClientSampleId :
PB92687BL

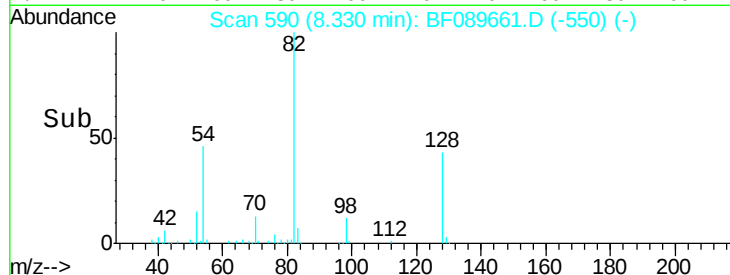
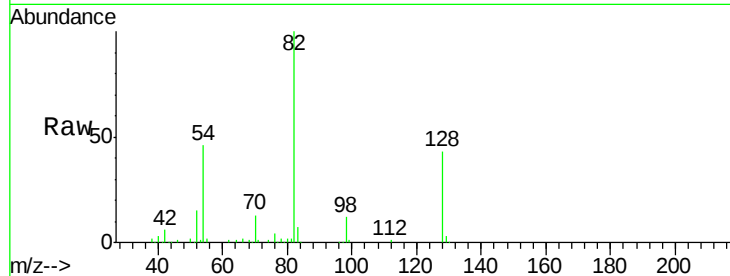
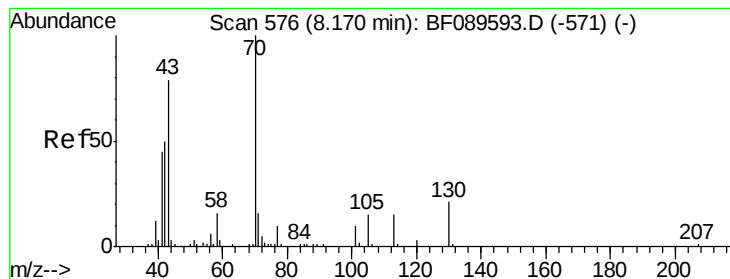
Tgt Ion: 93 Resp: 231
Ion Ratio Lower Upper
93 100
63 773.0 52.2 92.2#
95 370.9 13.1 53.1#



#15
Benzyl Alcohol
Concen: 2.04 ng
RT: 7.66 min Scan# 531
Delta R.T. -0.08 min
Lab File: BF089661.D
Acq: 8 Aug 2016 14:54

Tgt Ion: 79 Resp: 4780
Ion Ratio Lower Upper
79 100
108 29.3 58.3 87.5#
77 100.8 48.7 73.1#





#19

n-Nitroso-di-n-propylamine

Concen: 13.42 ng

RT: 8.33 min Scan# 590

Delta R.T. 0.16 min

Lab File: BF089661.D

Acq: 8 Aug 2016 14:54

Instrument :

BNA_F

ClientSampleId :

PB92687BL

Tgt Ion: 70 Resp: 34571

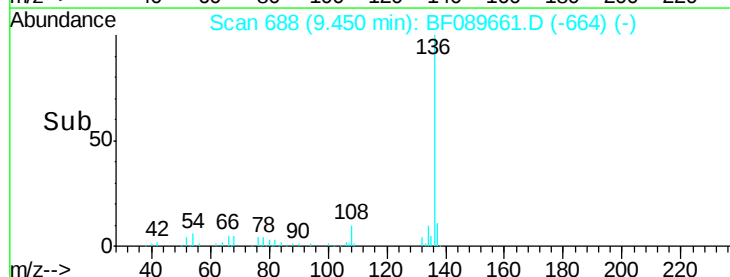
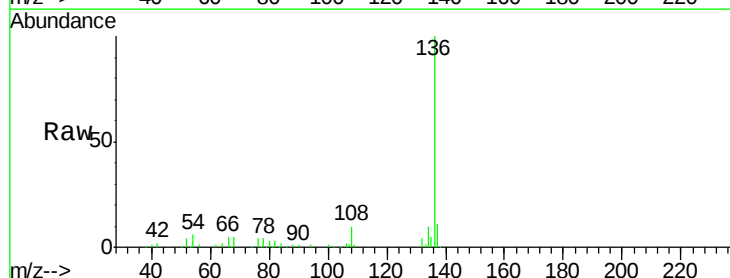
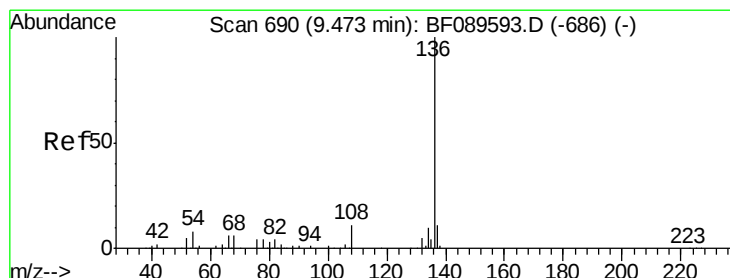
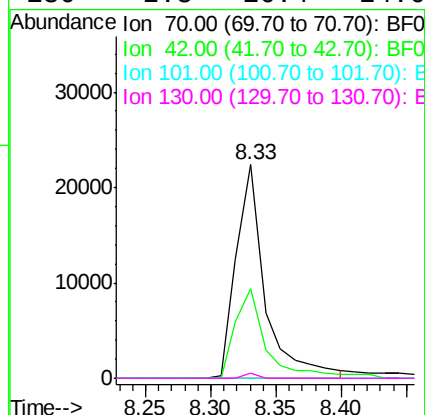
Ion Ratio Lower Upper

70 100

42 42.3 40.2 60.2

101 0.0 7.8 11.6#

130 2.3 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: BF089661.D

Acq: 8 Aug 2016 14:54

Tgt Ion: 136 Resp: 188351

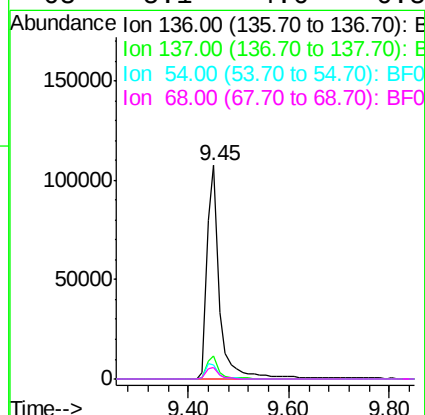
Ion Ratio Lower Upper

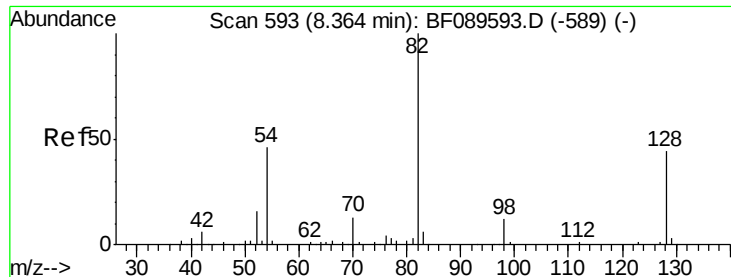
136 100

137 10.9 8.6 12.8

54 6.4 6.0 9.0

68 5.1 4.6 6.8

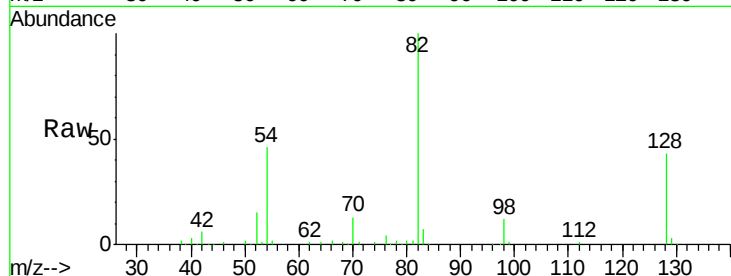




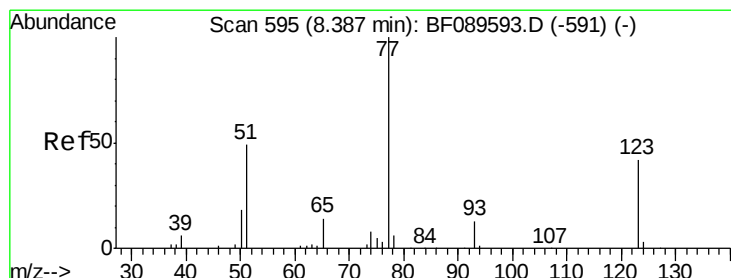
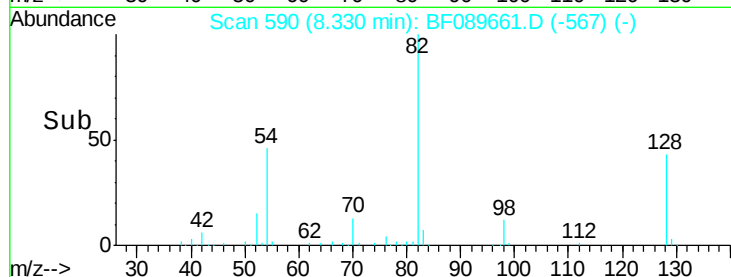
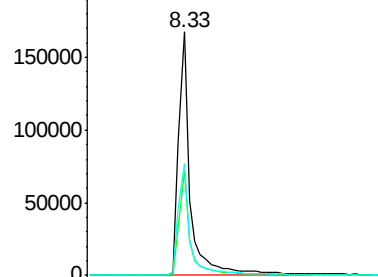
#23
 Nitrobenzene-d5
 Concen: 83.69 ng
 RT: 8.33 min Scan# 590
 Delta R.T. -0.03 min
 Lab File: BF089661.D
 Acq: 8 Aug 2016 14:54

Instrument :
 BNA_F
 ClientSampleId :
 PB92687BL

Tgt Ion: 82 Resp: 284992
 Ion Ratio Lower Upper
 82 100
 128 42.6 35.4 53.0
 54 45.9 36.4 54.6

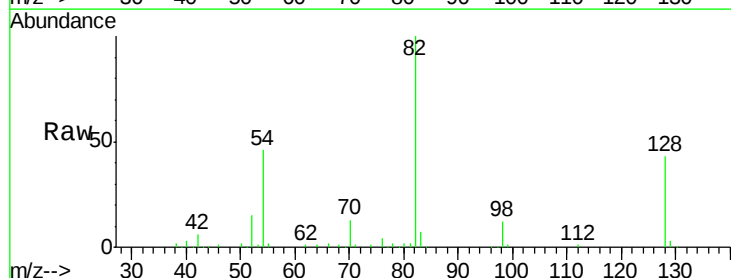


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

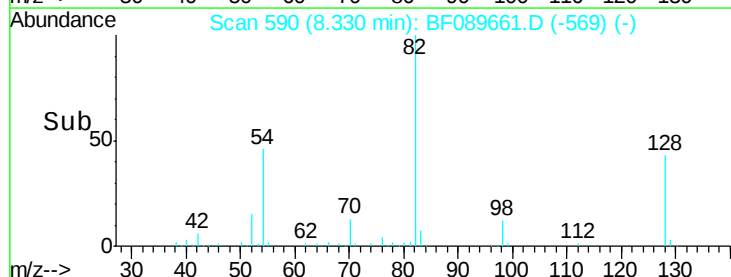
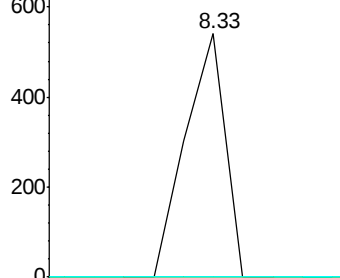


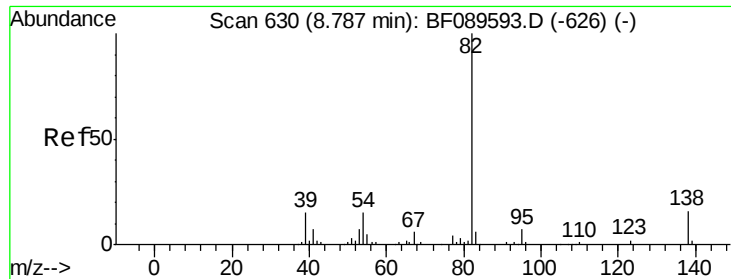
#24
 Nitrobenzene
 Concen: 0.18 ng
 RT: 8.33 min Scan# 590
 Delta R.T. -0.06 min
 Lab File: BF089661.D
 Acq: 8 Aug 2016 14:54

Tgt Ion: 77 Resp: 577
 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: 0.07 ng

RT: 8.97 min Scan# 646

Delta R.T. 0.18 min

Lab File: BF089661.D

Acq: 8 Aug 2016 14:54

Instrument :

BNA_F

ClientSampleId :

PB92687BL

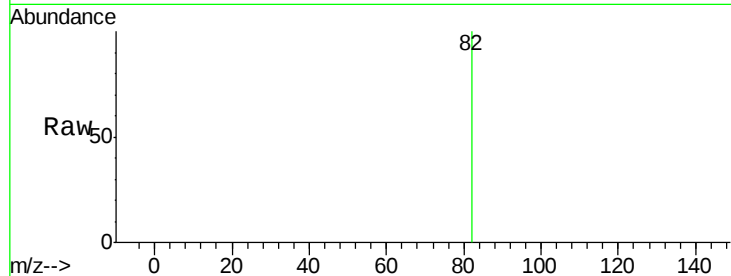
Tgt Ion: 82 Resp: 447

Ion Ratio Lower Upper

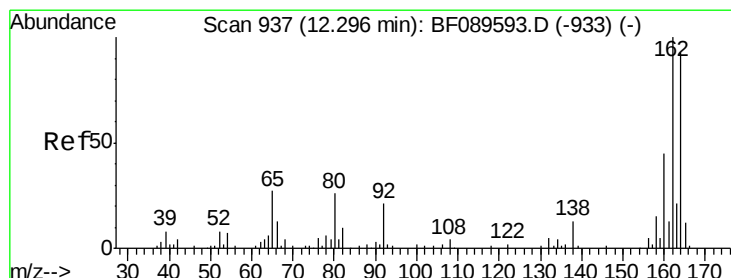
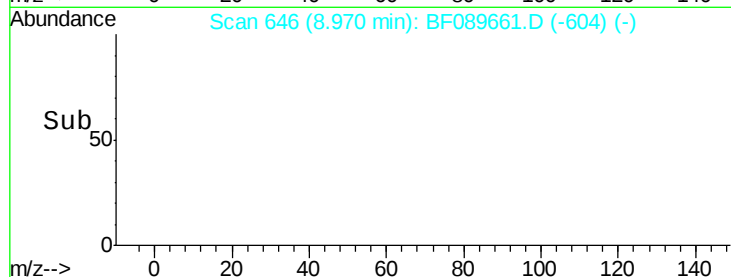
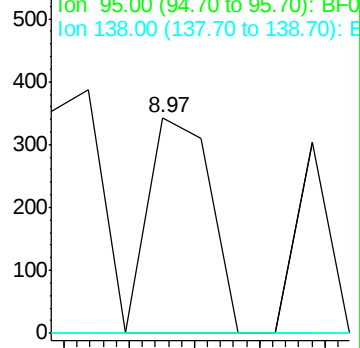
82 100

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): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.26 min Scan# 934

Delta R.T. -0.03 min

Lab File: BF089661.D

Acq: 8 Aug 2016 14:54

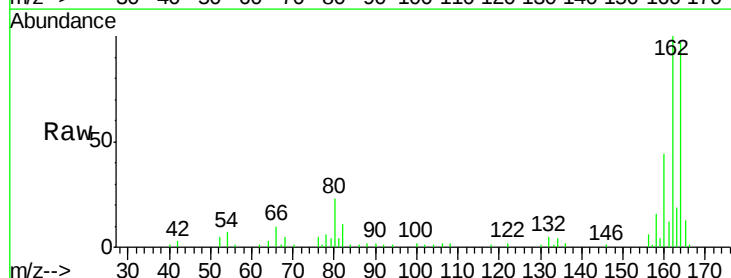
Tgt Ion: 164 Resp: 92681

Ion Ratio Lower Upper

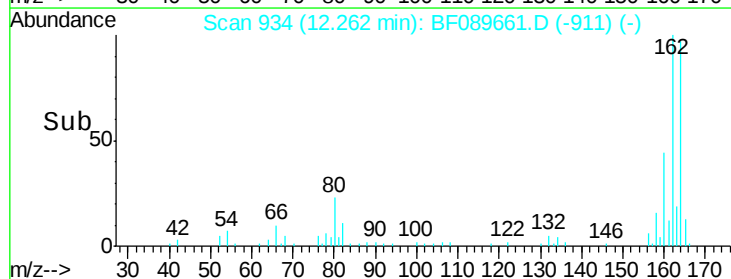
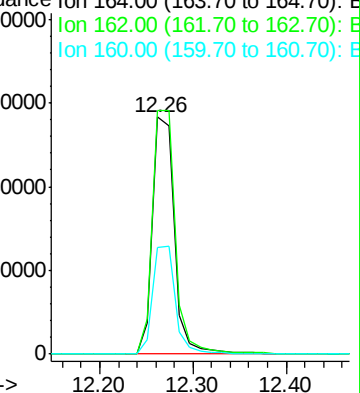
164 100

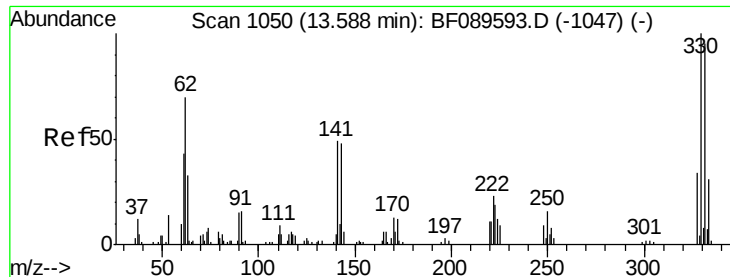
162 102.9 85.7 128.5

160 45.1 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

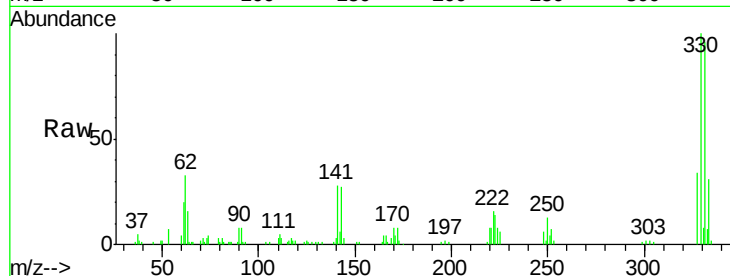




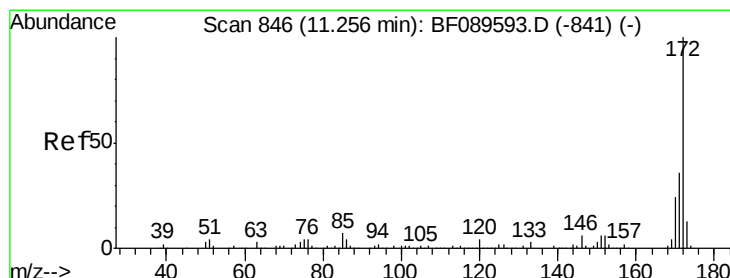
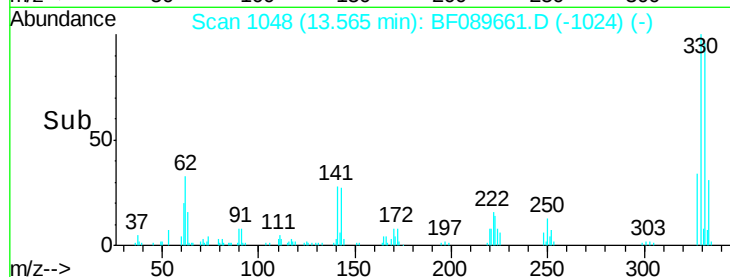
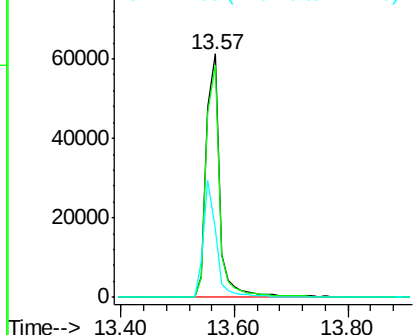
#41
 2,4,6-Tribromophenol
 Concen: 126.17 ng
 RT: 13.57 min Scan# 1048
 Delta R.T. -0.02 min
 Lab File: BF089661.D
 Acq: 8 Aug 2016 14:54

Instrument :
 BNA_F
 ClientSampleId :
 PB92687BL

Tgt Ion: 330 Resp: 96499
 Ion Ratio Lower Upper
 330 100
 332 95.7 77.0 115.6
 141 45.7 38.6 57.8

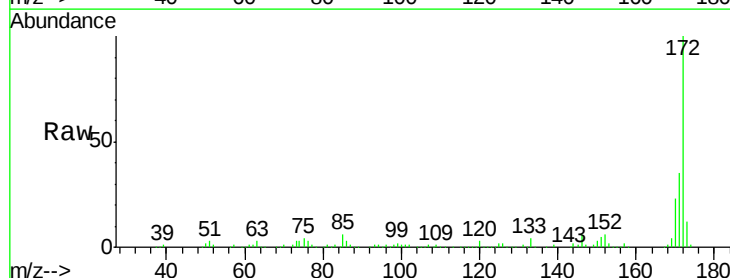


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

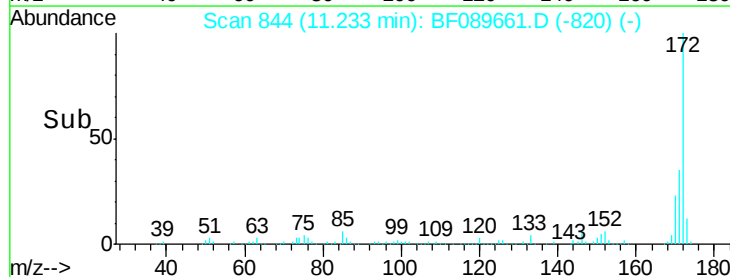
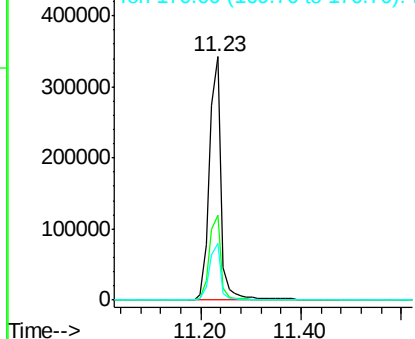


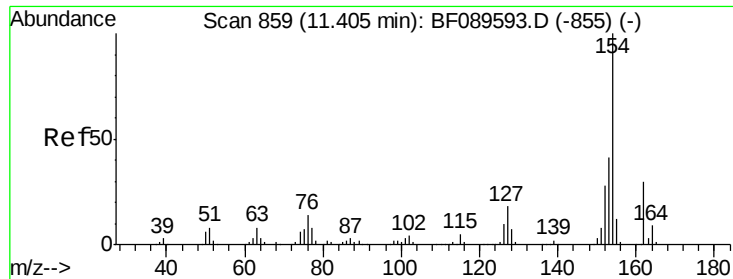
#44
 2-Fluorobiphenyl
 Concen: 77.77 ng
 RT: 11.23 min Scan# 844
 Delta R.T. -0.02 min
 Lab File: BF089661.D
 Acq: 8 Aug 2016 14:54

Tgt Ion: 172 Resp: 554626
 Ion Ratio Lower Upper
 172 100
 171 35.0 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: 0.10 ng

RT: 11.23 min Scan# 844

Delta R.T. -0.17 min

Lab File: BF089661.D

Acq: 8 Aug 2016 14:54

Instrument :

BNA_F

ClientSampleId :

PB92687BL

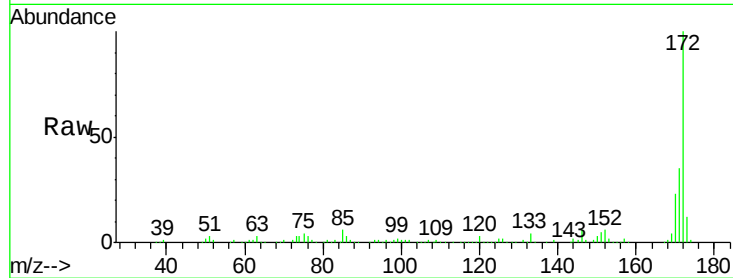
Tgt Ion:154 Resp: 817

Ion Ratio Lower Upper

154 100

153 961.5 20.6 60.6#

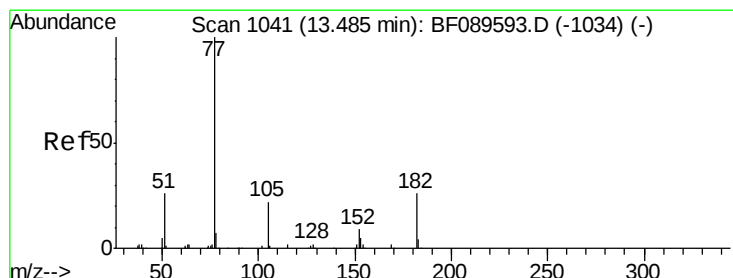
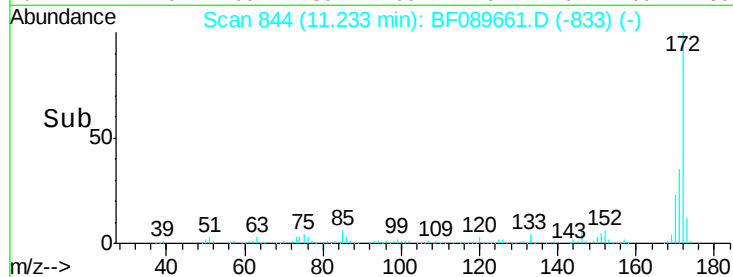
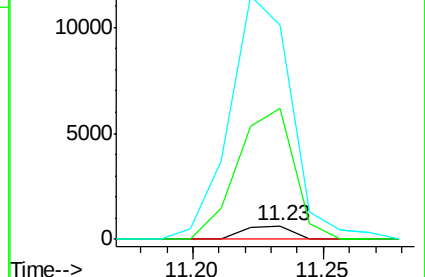
76 1570.1 0.0 33.7#



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: 13.55 min Scan# 1047

Delta R.T. 0.07 min

Lab File: BF089661.D

Acq: 8 Aug 2016 14:54

Tgt Ion: 77 Resp: 272

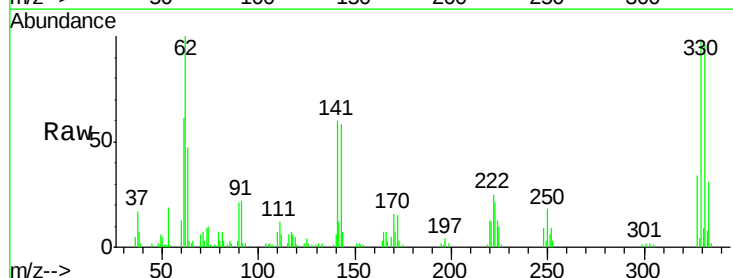
Ion Ratio Lower Upper

77 100

182 0.0 5.8 45.8#

105 126.0 2.9 42.9#

51 97.2 7.2 47.2#

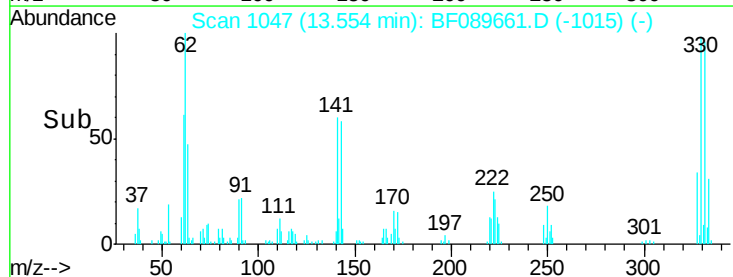
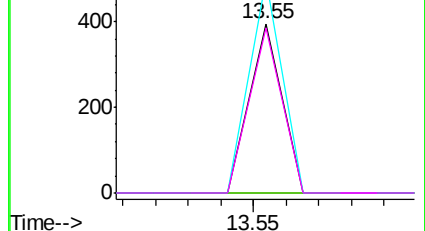


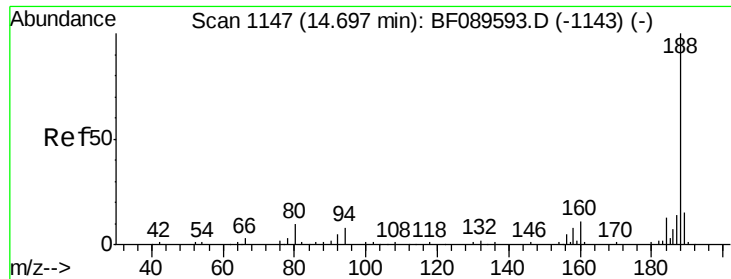
Abundance Ion 77.00 (76.70 to 77.70): BF0

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: BF089661.D

Acq: 8 Aug 2016 14:54

Instrument :

BNA_F

ClientSampleId :

PB92687BL

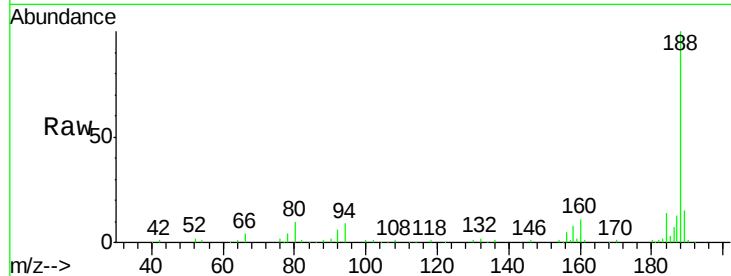
Tgt Ion:188 Resp: 185263

Ion Ratio Lower Upper

188 100

94 9.3 6.5 9.7

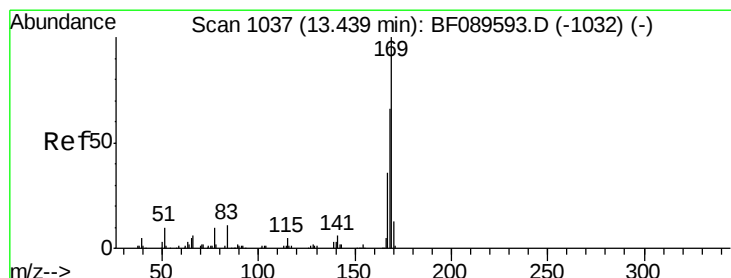
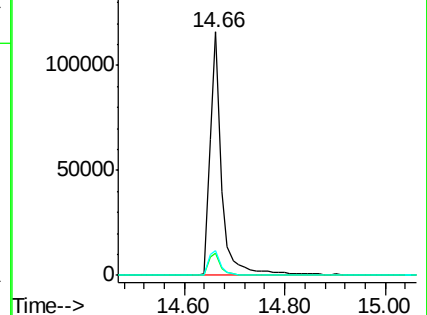
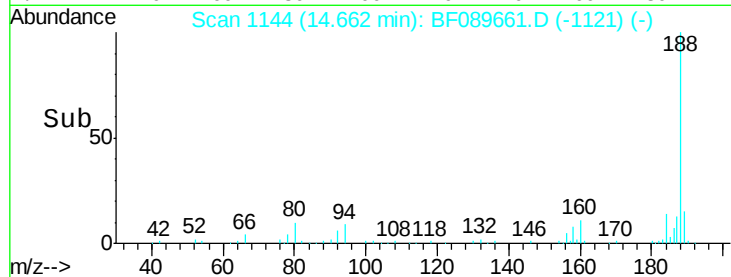
80 10.3 8.0 12.0



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: 0.60 ng

RT: 13.55 min Scan# 1047

Delta R.T. 0.11 min

Lab File: BF089661.D

Acq: 8 Aug 2016 14:54

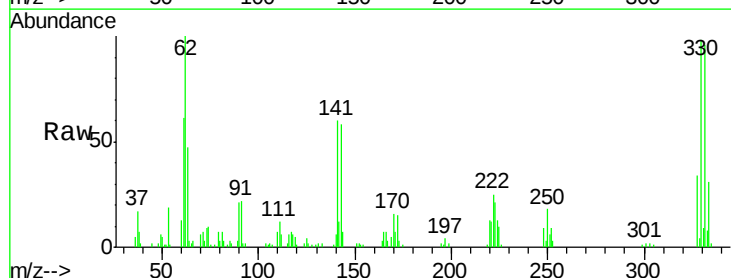
Tgt Ion:169 Resp: 3723

Ion Ratio Lower Upper

169 100

168 0.0 54.2 81.2#

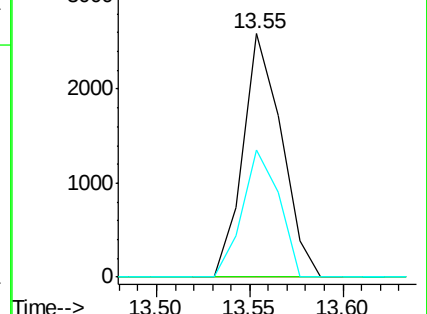
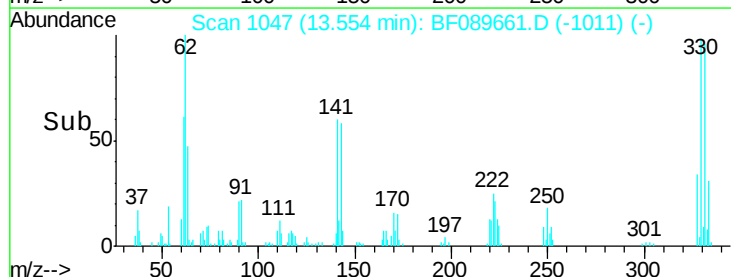
167 51.9 28.9 43.3#

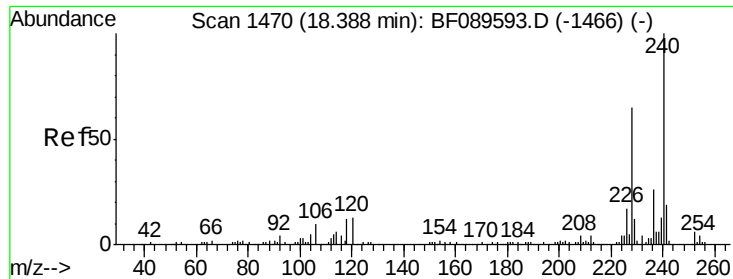


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

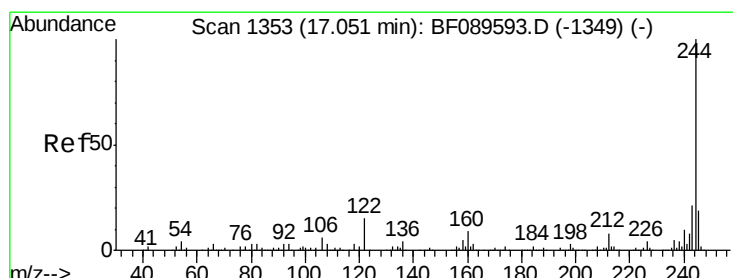
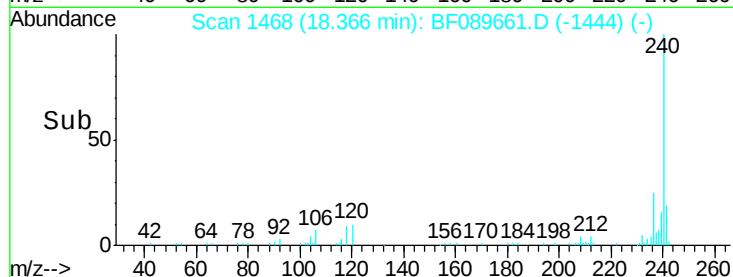
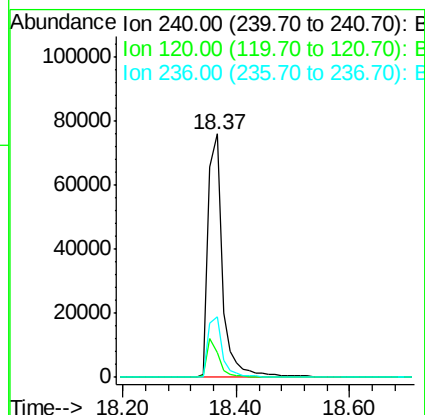
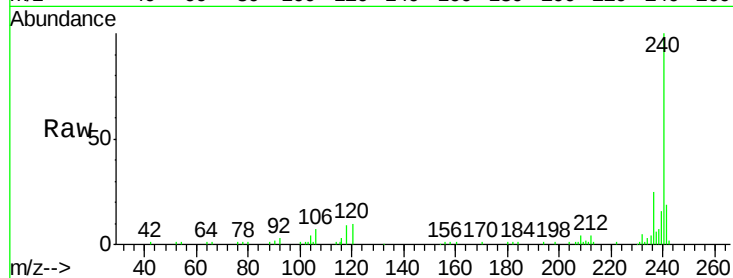




#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.37 min Scan# 1468
Delta R.T. -0.02 min
Lab File: BF089661.D
Acq: 8 Aug 2016 14:54

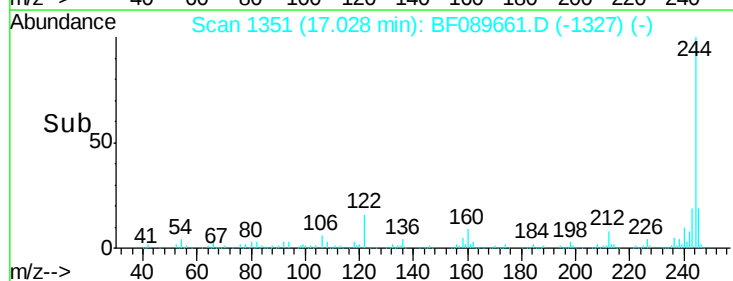
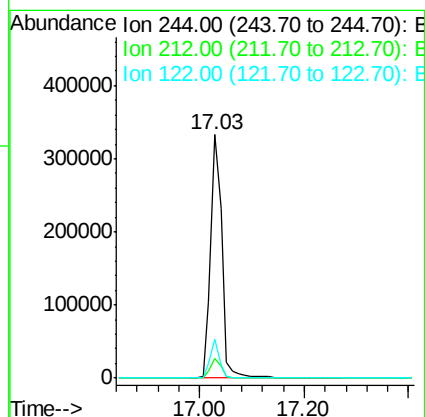
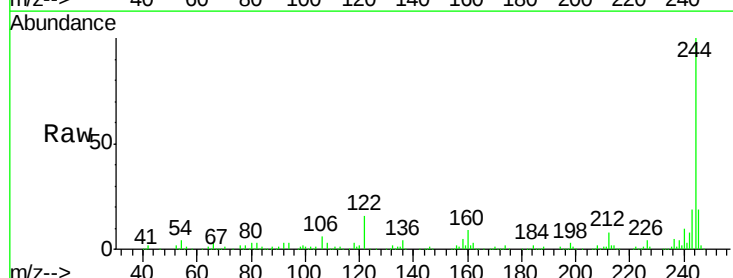
Instrument :
BNA_F
ClientSampleId :
PB92687BL

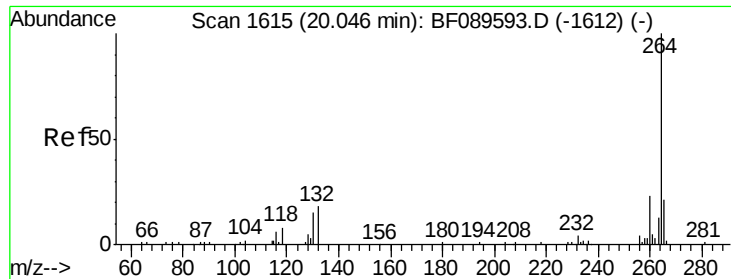
Tgt Ion:240 Resp: 128515
Ion Ratio Lower Upper
240 100
120 10.2 10.6 15.8#
236 24.8 20.6 30.8



#78
Terphenyl-d14
Concen: 76.83 ng
RT: 17.03 min Scan# 1351
Delta R.T. -0.02 min
Lab File: BF089661.D
Acq: 8 Aug 2016 14:54

Tgt Ion:244 Resp: 500143
Ion Ratio Lower Upper
244 100
212 8.0 6.4 9.6
122 16.0 12.2 18.2





#86
Perylene-d12
Concen: 20.00 ng
RT: 20.02 min Scan# 1613
Delta R.T. -0.02 min
Lab File: BF089661.D
Acq: 8 Aug 2016 14:54

Instrument :
BNA_F
ClientSampleId :
PB92687BL

Tgt Ion: 264 Resp: 98339
Ion Ratio Lower Upper
264 100
260 23.3 18.7 28.1
265 21.2 16.5 24.7

