

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020317\
 Data File : BF092794.D
 Acq On : 3 Feb 2017 23:55
 Operator : SJ/MA
 Sample : I1690-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-6-COMP

Quant Time: Feb 04 00:49:31 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 30 14:50:05 2017
 Response via : Initial Calibration

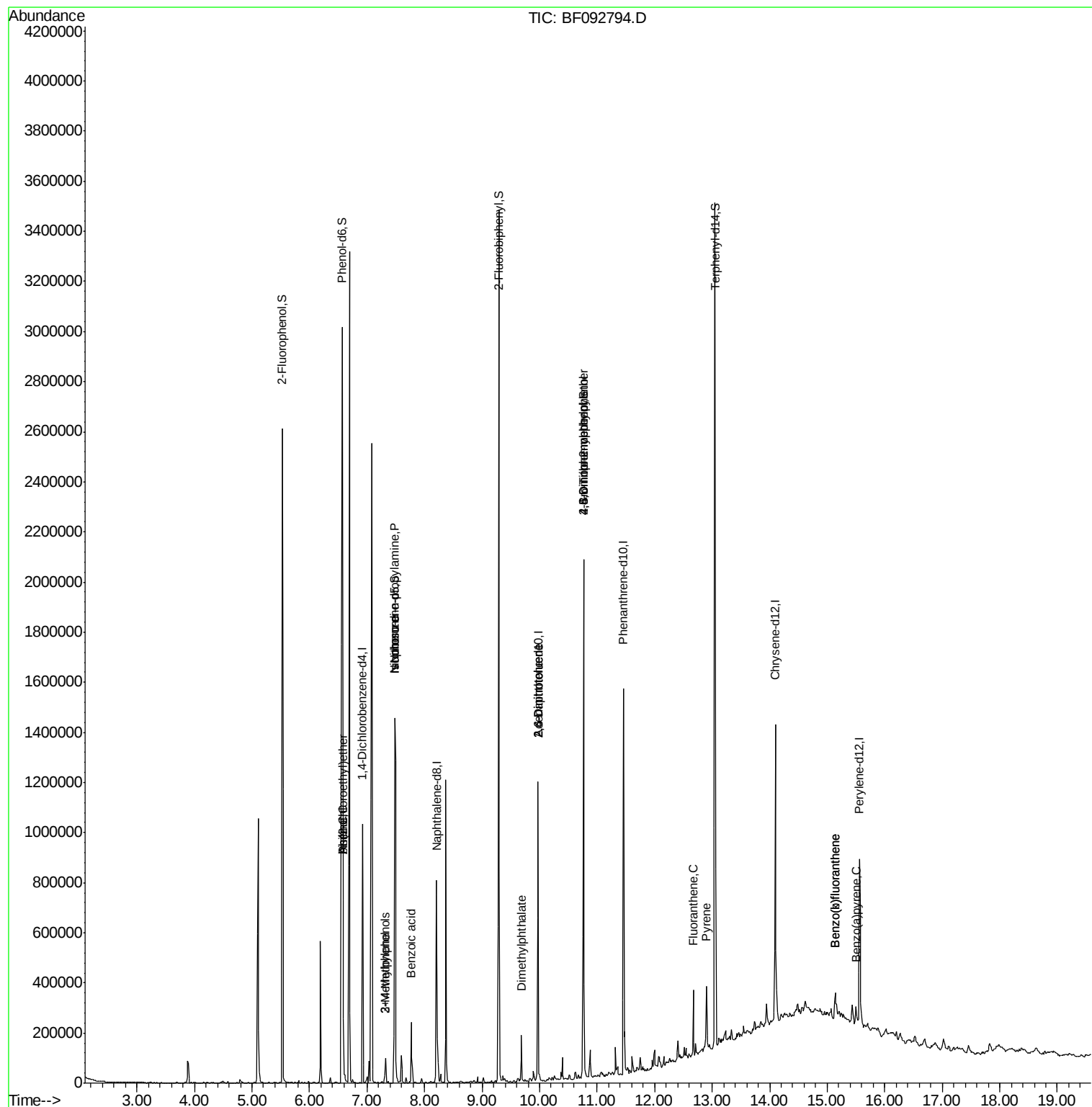
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	143799	20.00	ng	-0.05
21) Naphthalene-d8	8.21	136	550000	20.00	ng	-0.05
38) Acenaphthene-d10	9.97	164	313849	20.00	ng	-0.03
63) Phenanthrene-d10	11.46	188	546933	20.00	ng	-0.03
75) Chrysene-d12	14.10	240	404656	20.00	ng	-0.05
86) Perylene-d12	15.56	264	343975	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	835871	99.73	ng	-0.04
7) Phenol-d6	6.57	99	1194953	110.80	ng	-0.03
23) Nitrobenzene-d5	7.48	82	686597	69.52	ng	-0.06
41) 2,4,6-Tribromophenol	10.76	330	245553	108.18	ng	-0.05
44) 2-Fluorobiphenyl	9.29	172	1202325	69.40	ng	-0.05
78) Terphenyl-d14	13.05	244	1134343	65.87	ng	-0.03
Target Compounds						Qvalue
6) Aniline	6.58	93	206787	14.06	ng	# 60
10) Phenol	6.58	94	74170	5.88	ng	# 44
11) bis(2-Chloroethyl)ether	6.58	93	206787	20.53	ng	# 26
17) 2-Methylphenol	7.32	107	20552	2.59	ng	# 32
19) n-Nitroso-di-n-propylamine	7.48	70	87559	12.75	ng	# 83
20) 3+4-Methylphenols	7.32	107	20552	2.17	ng	# 34
25) Isophorone	7.48	82	643065	34.94	ng	# 65
32) Benzoic acid	7.77	122	2424	7.60	ng	# 1
49) Dimethylphthalate	9.69	163	84891	4.02	ng	# 99
50) 2,6-Dinitrotoluene	9.97	165	41601	9.11	ng	# 30
56) 2,4-Dinitrotoluene	9.97	165	41874	6.89	ng	# 19
64) 4,6-Dinitro-2-methylphenol	10.76	198	610	2.84	ng	# 1
66) 4-Bromophenyl-phenylether	10.76	248	17965	3.14	ng	# 1
74) Fluoranthene	12.67	202	96473	2.98	ng	# 98
77) Pyrene	12.90	202	101738	3.36	ng	# 98
87) Benzo(b)fluoranthene	15.14	252	74891	3.31	ng	# 92
88) Benzo(k)fluoranthene	15.14	252	74891	3.83	ng	# 92
89) Benzo(a)pyrene	15.51	252	40809	2.08	ng	# 91

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

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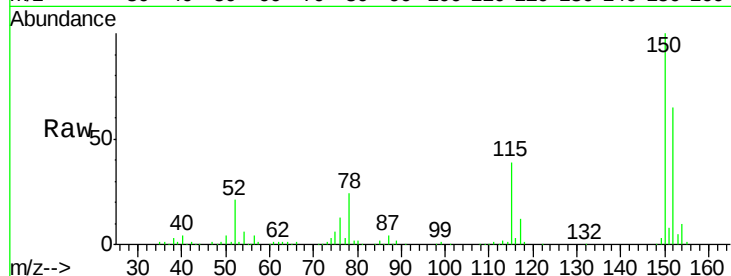


#1

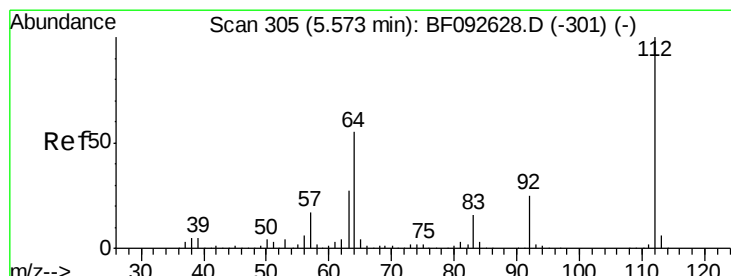
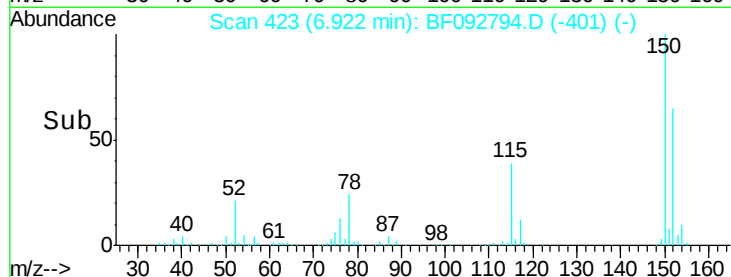
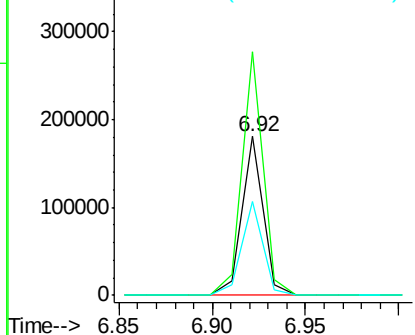
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.92 min Scan# 423
 Delta R.T. -0.05 min
 Lab File: BF092794.D
 Acq: 3 Feb 2017 23:55

Instrument :
 BNA_F
 ClientSampleId :
 MH-6-COMP

Tgt Ion:152 Resp: 143799
 Ion Ratio Lower Upper
 152 100
 150 153.5 124.9 187.3
 115 59.4 46.0 69.0



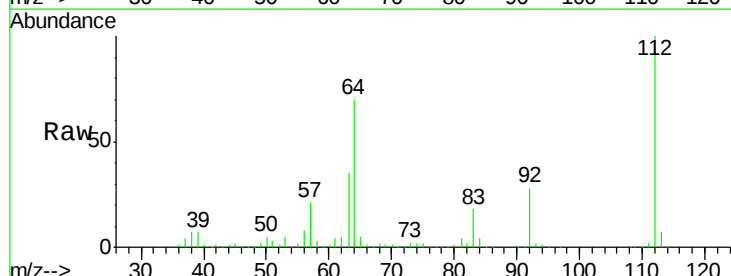
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



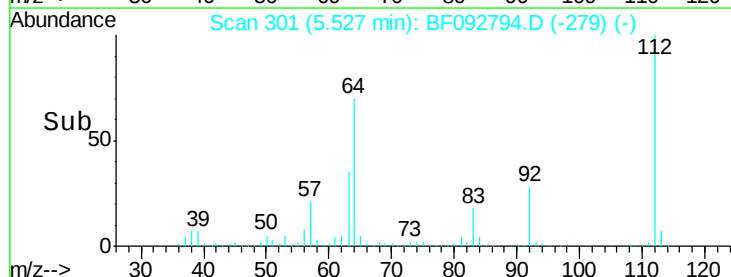
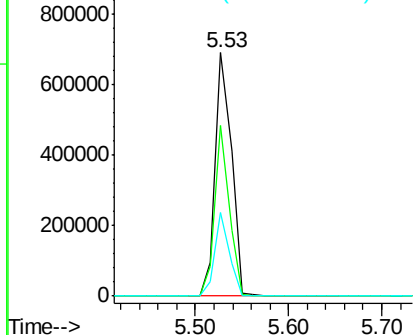
#5

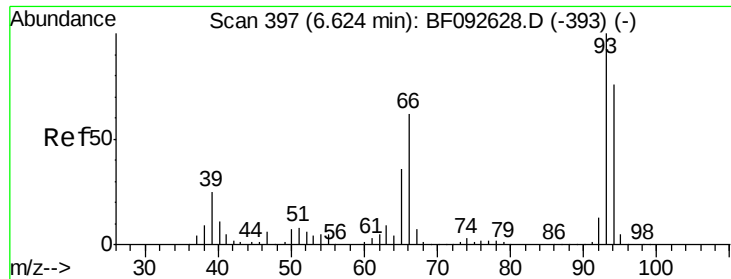
2-Fluorophenol
 Concen: 99.73 ng
 RT: 5.53 min Scan# 301
 Delta R.T. -0.04 min
 Lab File: BF092794.D
 Acq: 3 Feb 2017 23:55

Tgt Ion:112 Resp: 835871
 Ion Ratio Lower Upper
 112 100
 64 70.3 46.1 69.1#
 63 34.6 23.8 35.6



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: 14.06 ng

RT: 6.58 min Scan# 393

Delta R.T. -0.05 min

Lab File: BF092794.D

Acq: 3 Feb 2017 23:55

Instrument :

BNA_F

ClientSampleId :

MH-6-COMP

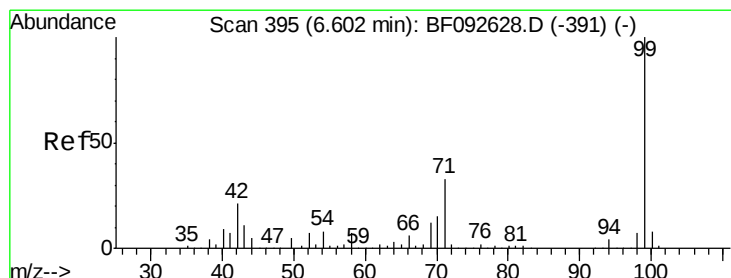
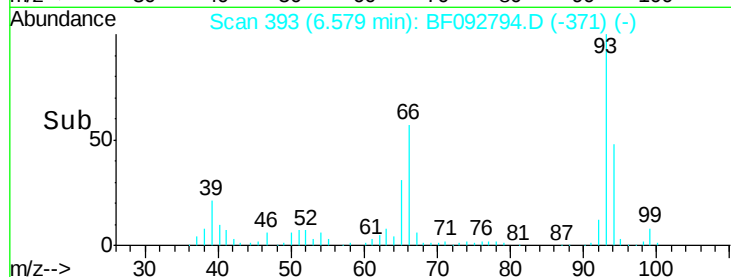
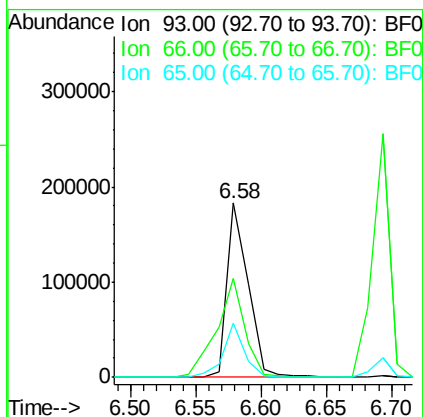
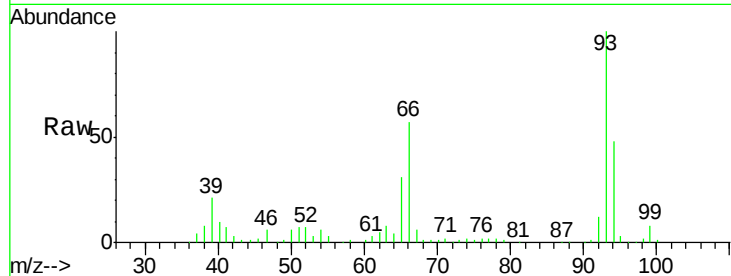
Tgt Ion: 93 Resp: 206787

Ion Ratio Lower Upper

93 100

66 56.9 76.2 114.2#

65 31.0 49.3 73.9#



#7

Phenol-d6

Concen: 110.80 ng

RT: 6.57 min Scan# 392

Delta R.T. -0.03 min

Lab File: BF092794.D

Acq: 3 Feb 2017 23:55

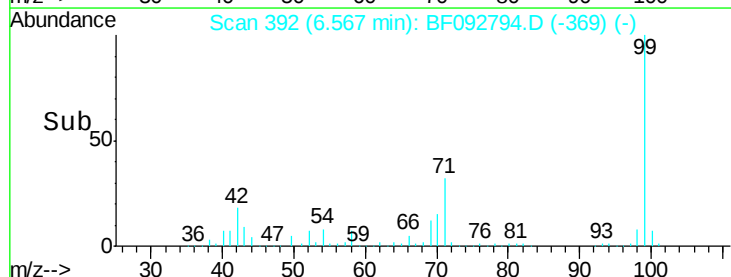
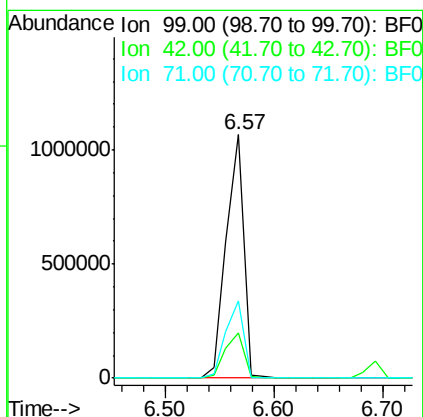
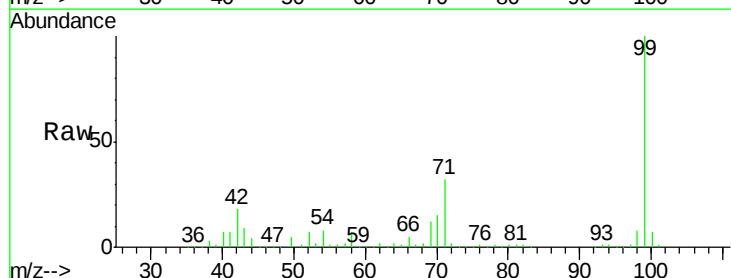
Tgt Ion: 99 Resp: 1194953

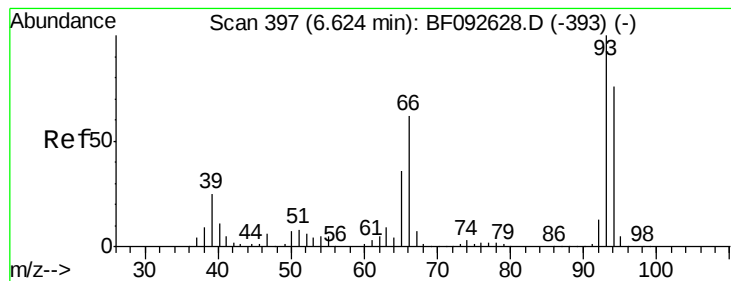
Ion Ratio Lower Upper

99 100

42 18.4 15.6 23.4

71 31.9 27.5 41.3





#10

Phenol

Concen: 5.88 ng

RT: 6.58 min Scan# 393

Delta R.T. -0.05 min

Lab File: BF092794.D

Acq: 3 Feb 2017 23:55

Instrument :

BNA_F

ClientSampleId :

MH-6-COMP

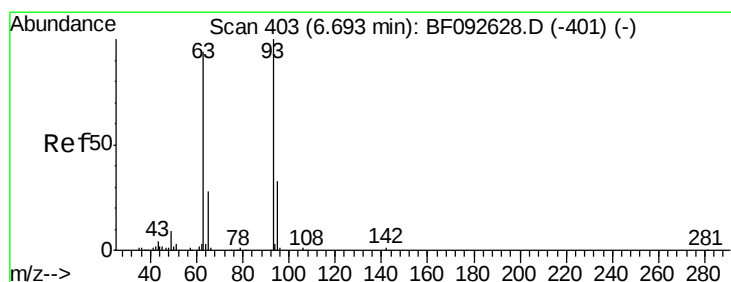
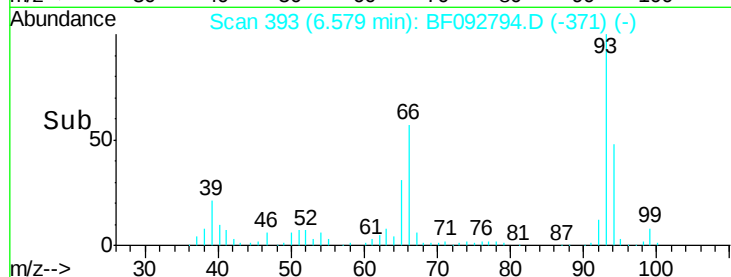
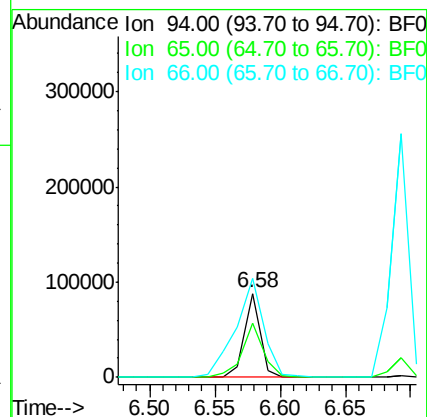
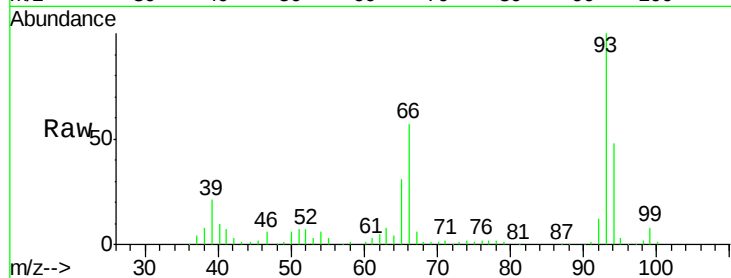
Tgt Ion: 94 Resp: 74170

Ion Ratio Lower Upper

94 100

65 64.4 21.4 61.4#

66 118.2 44.0 84.0#



#11

bis(2-Chloroethyl)ether

Concen: 20.53 ng

RT: 6.58 min Scan# 393

Delta R.T. -0.11 min

Lab File: BF092794.D

Acq: 3 Feb 2017 23:55

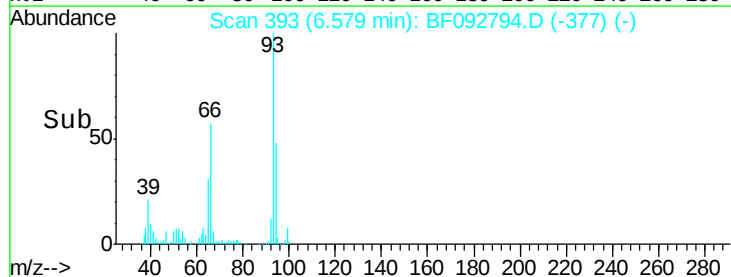
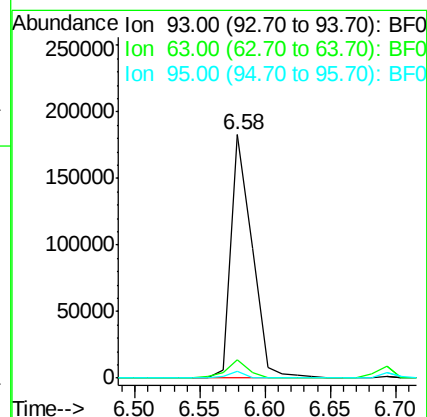
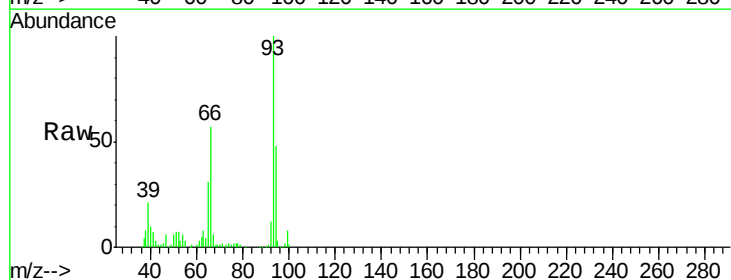
Tgt Ion: 93 Resp: 206787

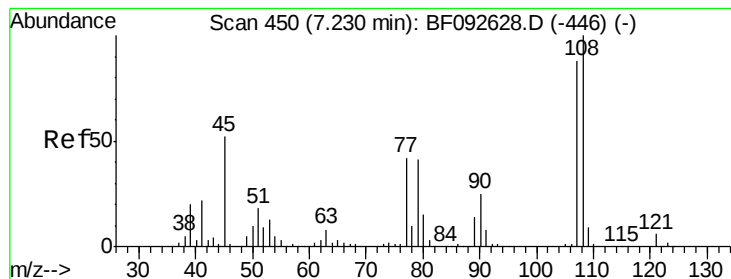
Ion Ratio Lower Upper

93 100

63 7.5 60.4 100.4#

95 2.6 12.8 52.8#





#17

2-Methylphenol

Concen: 2.59 ng

RT: 7.32 min Scan# 458

Delta R.T. 0.09 min

Lab File: BF092794.D

Acq: 3 Feb 2017 23:55

Instrument :

BNA_F

ClientSampleId :

MH-6-COMP

Tgt Ion: 107 Resp: 20552

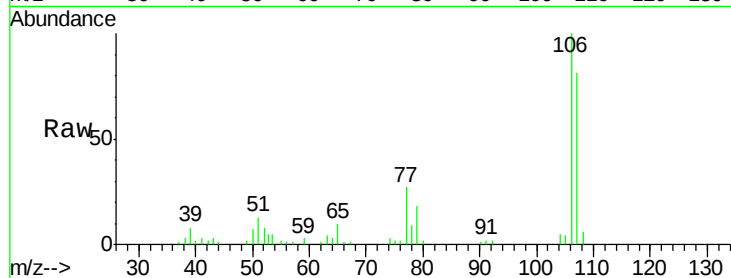
Ion Ratio Lower Upper

107 100

108 7.8 93.0 139.6#

77 33.5 39.8 59.8#

79 22.8 38.0 57.0#



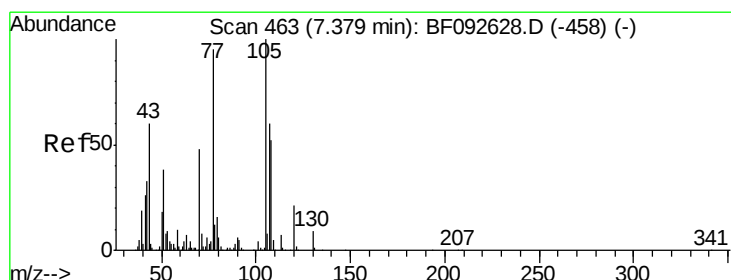
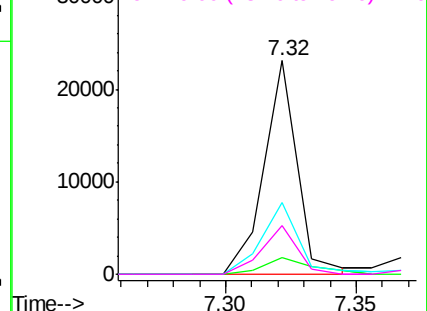
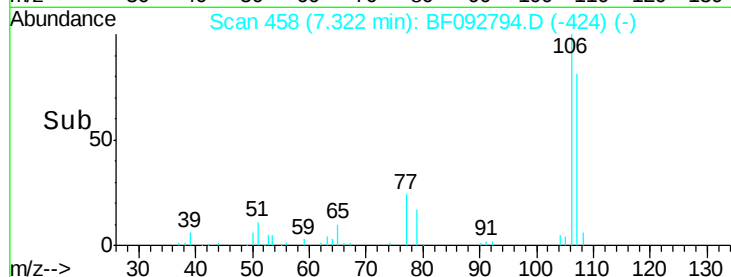
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 12.75 ng

RT: 7.48 min Scan# 472

Delta R.T. 0.10 min

Lab File: BF092794.D

Acq: 3 Feb 2017 23:55

Tgt Ion: 70 Resp: 87559

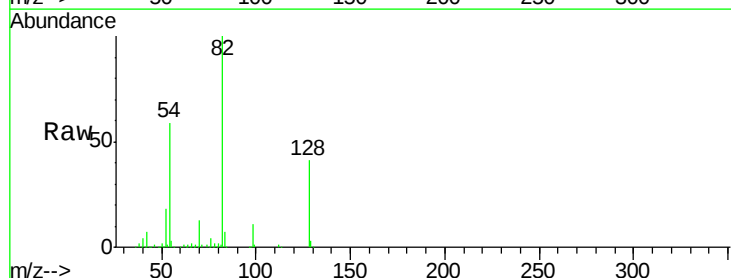
Ion Ratio Lower Upper

70 100

42 53.5 49.4 74.0

101 0.0 7.4 11.2#

130 1.8 14.2 21.4#



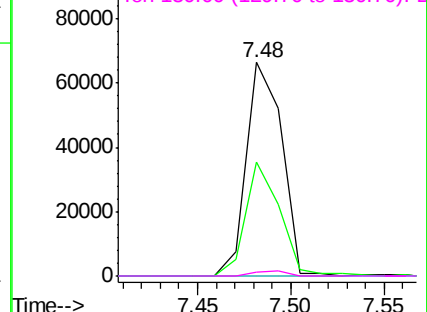
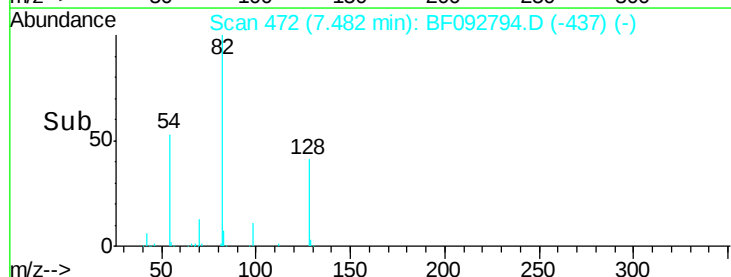
Abundance

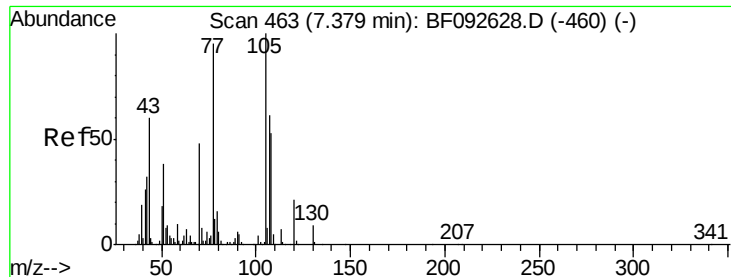
Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

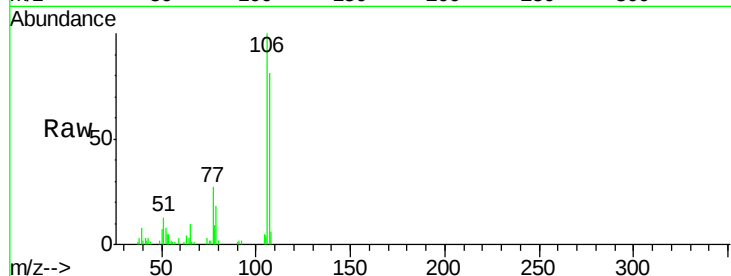




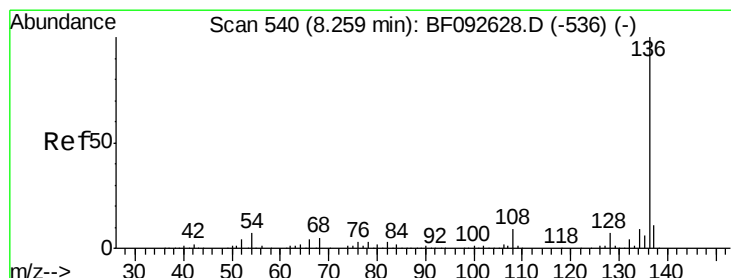
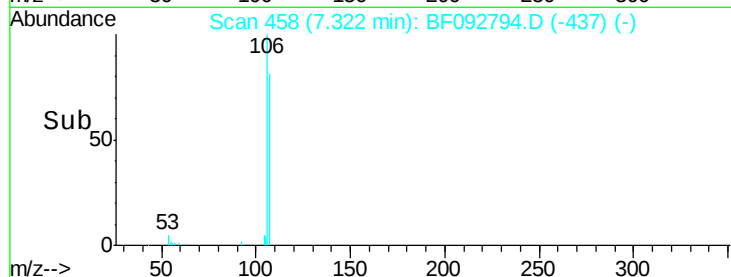
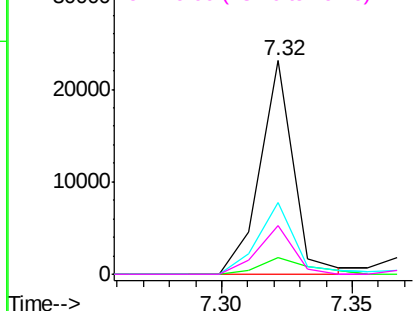
#20
 3+4-Methylphenols
 Concen: 2.17 ng
 RT: 7.32 min Scan# 458
 Delta R.T. -0.06 min
 Lab File: BF092794.D
 Acq: 3 Feb 2017 23:55

Instrument :
 BNA_F
 ClientSampleId :
 MH-6-COMP

Tgt Ion:107 Resp: 20552
 Ion Ratio Lower Upper
 107 100
 108 7.8 73.0 113.0#
 77 33.5 71.3 111.3#
 79 22.8 11.1 51.1

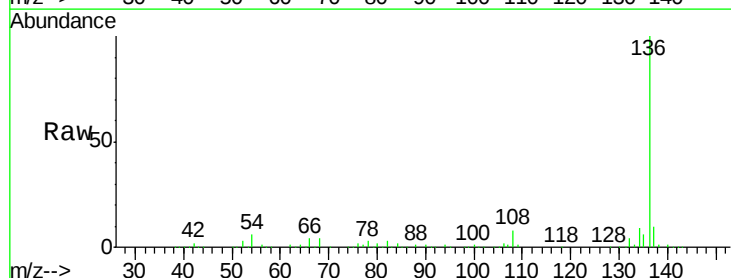


Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 108.00 (107.70 to 108.70): E
 Ion 77.00 (76.70 to 77.70): BF0
 Ion 79.00 (78.70 to 79.70): BF0

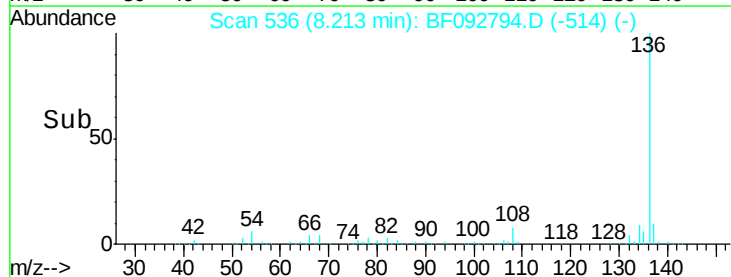
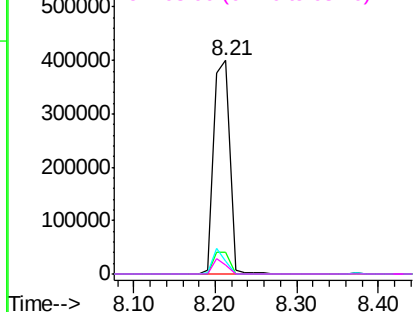


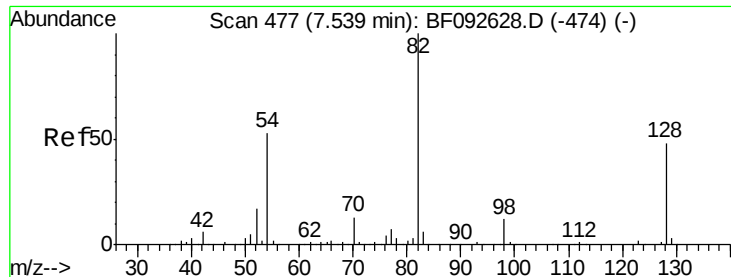
#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 8.21 min Scan# 536
 Delta R.T. -0.05 min
 Lab File: BF092794.D
 Acq: 3 Feb 2017 23:55

Tgt Ion:136 Resp: 550000
 Ion Ratio Lower Upper
 136 100
 137 10.2 8.4 12.6
 54 6.3 4.5 6.7
 68 4.3 3.6 5.4



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

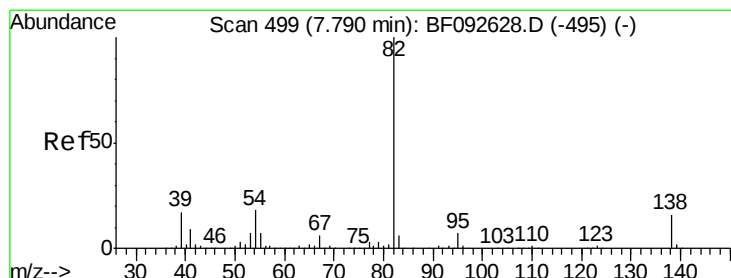
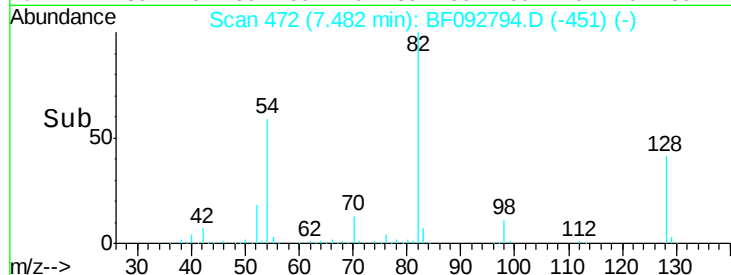
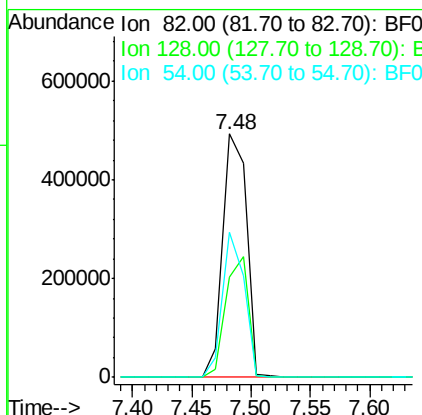
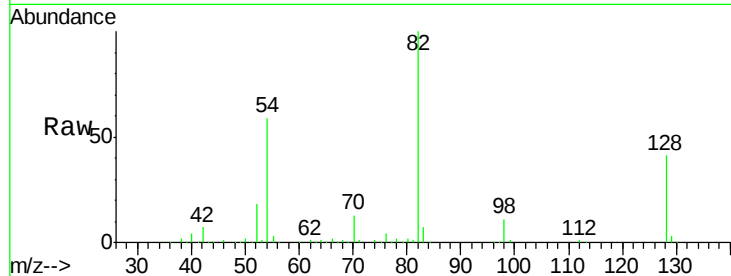




#23
 Nitrobenzene-d5
 Concen: 69.52 ng
 RT: 7.48 min Scan# 472
 Delta R.T. -0.06 min
 Lab File: BF092794.D
 Acq: 3 Feb 2017 23:55

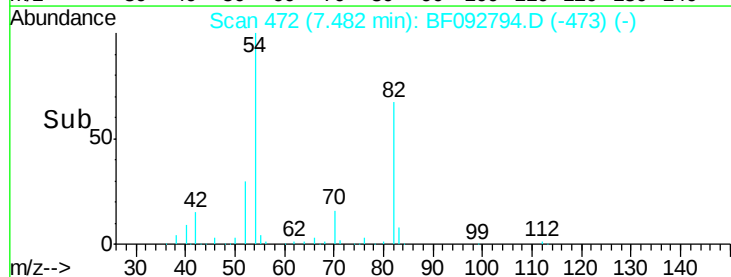
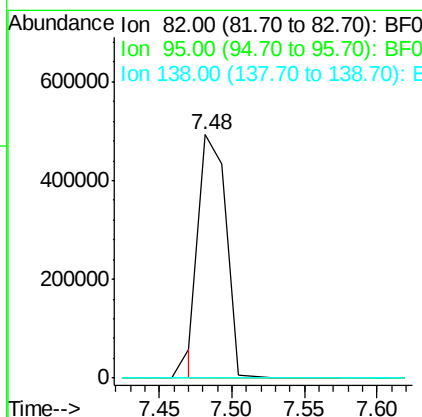
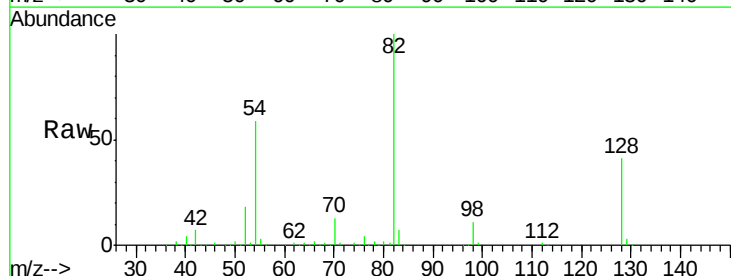
Instrument :
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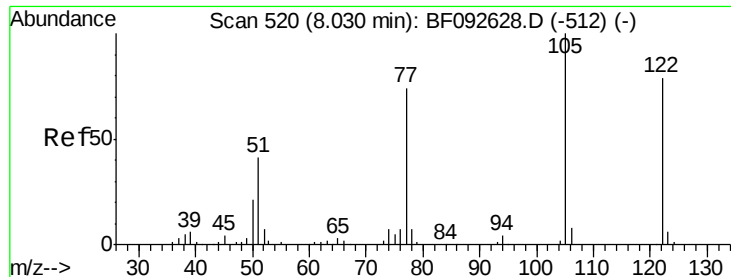
Tgt Ion	Ratio	Lower	Upper
82	100		
128	41.0	34.6	52.0
54	59.4	39.5	59.3#



#25
 Isophorone
 Concen: 34.94 ng
 RT: 7.48 min Scan# 472
 Delta R.T. -0.31 min
 Lab File: BF092794.D
 Acq: 3 Feb 2017 23:55

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.6	8.4#
138	0.0	14.6	22.0#





#32

Benzoic acid

Concen: 7.60 ng

RT: 7.77 min Scan# 497

Delta R.T. -0.26 min

Lab File: BF092794.D

Acq: 3 Feb 2017 23:55

Instrument :

BNA_F

ClientSampleId :

MH-6-COMP

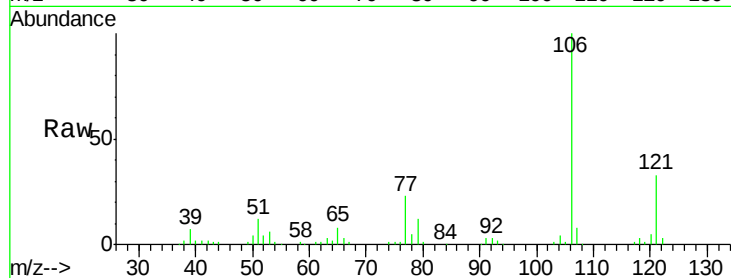
Tgt Ion:122 Resp: 2424

Ion Ratio Lower Upper

122 100

105 40.0 107.2 147.2#

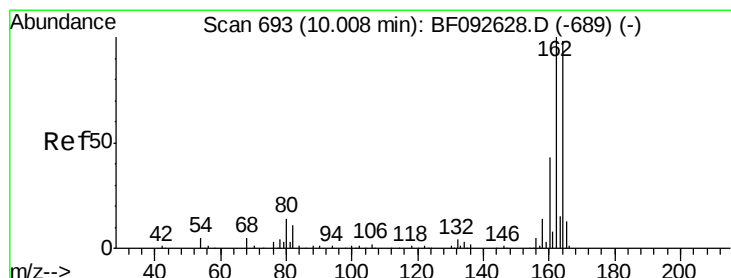
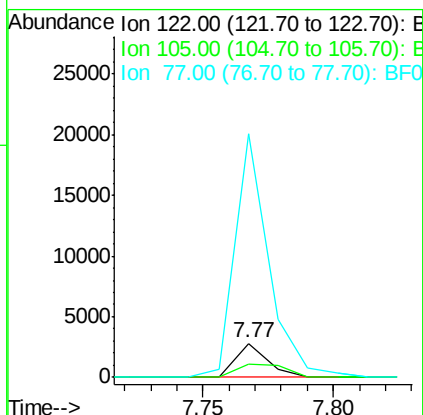
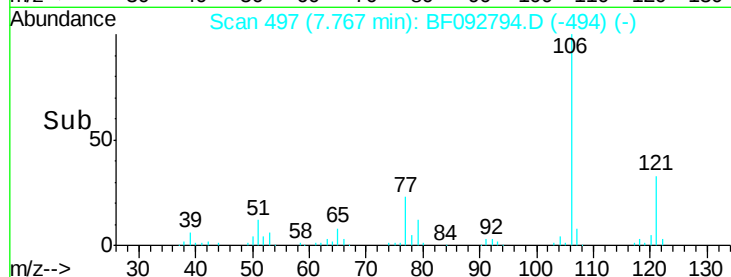
77 711.5 74.5 114.5#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.97 min Scan# 690

Delta R.T. -0.03 min

Lab File: BF092794.D

Acq: 3 Feb 2017 23:55

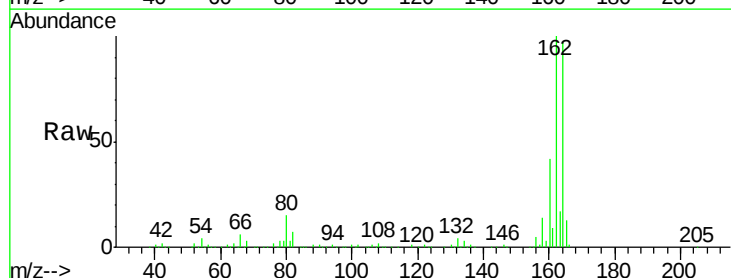
Tgt Ion:164 Resp: 313849

Ion Ratio Lower Upper

164 100

162 103.1 80.2 120.2

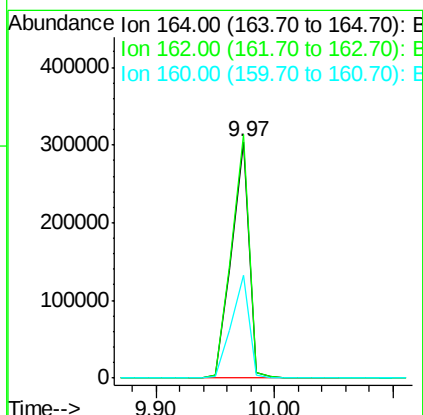
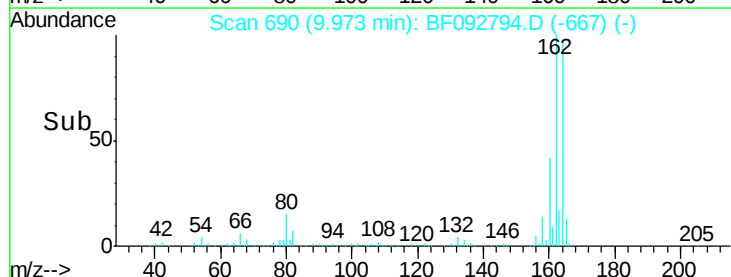
160 43.3 36.9 55.3

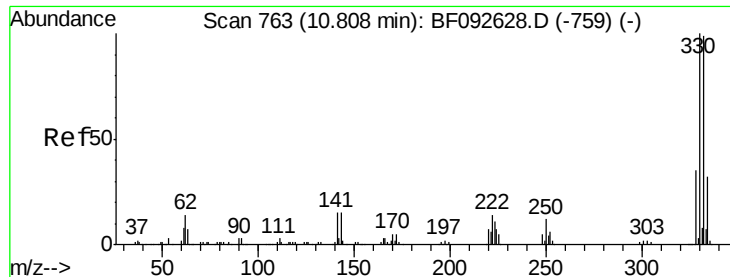


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

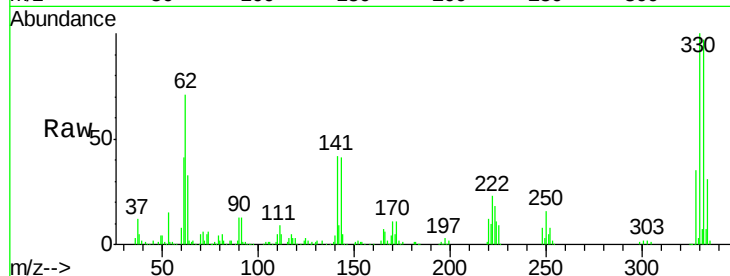




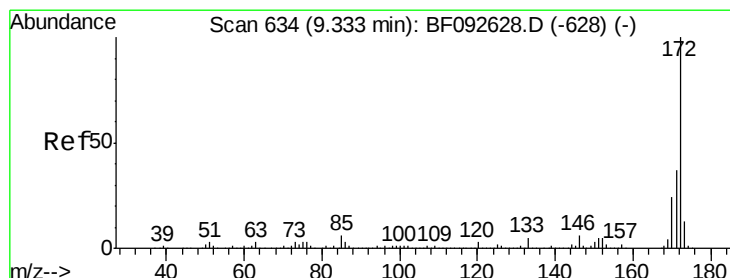
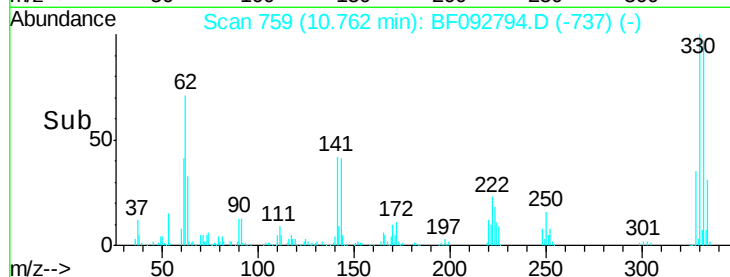
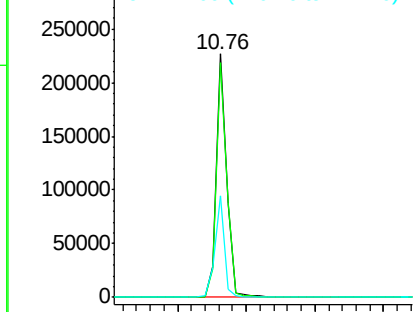
#41
 2,4,6-Tribromophenol
 Concen: 108.18 ng
 RT: 10.76 min Scan# 759
 Delta R.T. -0.05 min
 Lab File: BF092794.D
 Acq: 3 Feb 2017 23:55

Instrument :
 BNA_F
 ClientSampleId :
 MH-6-COMP

Tgt Ion:330 Resp: 245553
 Ion Ratio Lower Upper
 330 100
 332 97.4 77.4 116.2
 141 37.8 34.1 51.1

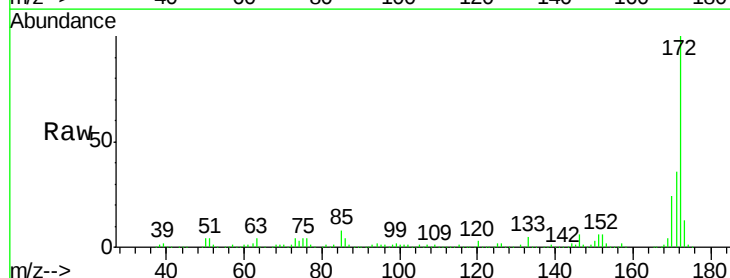


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

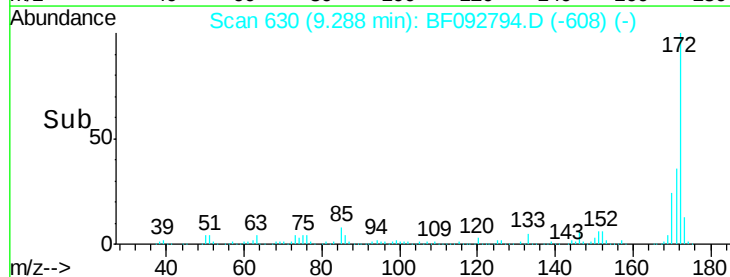
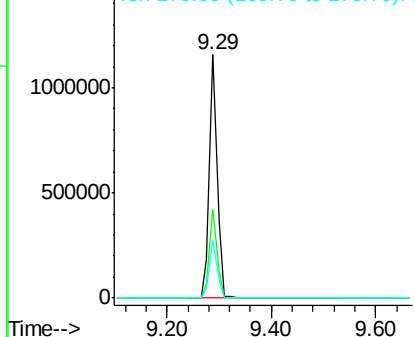


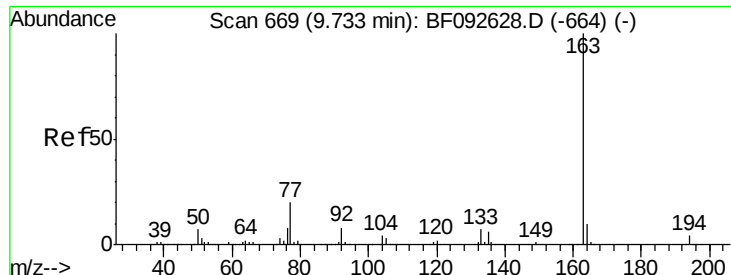
#44
 2-Fluorobiphenyl
 Concen: 69.40 ng
 RT: 9.29 min Scan# 630
 Delta R.T. -0.05 min
 Lab File: BF092794.D
 Acq: 3 Feb 2017 23:55

Tgt Ion:172 Resp: 1202325
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.4 44.0
 170 24.1 20.2 30.4



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





#49

Dimethylphthalate

Concen: 4.02 ng

RT: 9.69 min Scan# 665

Delta R.T. -0.05 min

Lab File: BF092794.D

Acq: 3 Feb 2017 23:55

Instrument :

BNA_F

ClientSampleId :

MH-6-COMP

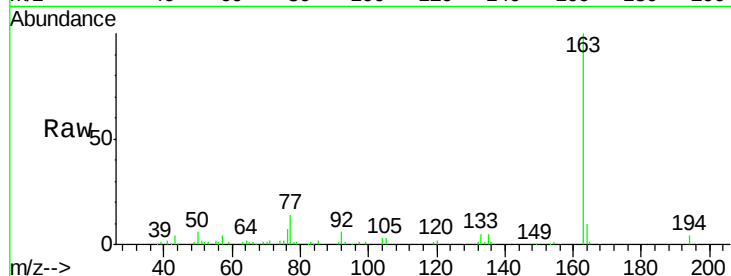
Tgt Ion:163 Resp: 84891

Ion Ratio Lower Upper

163 100

194 4.3 3.0 4.4

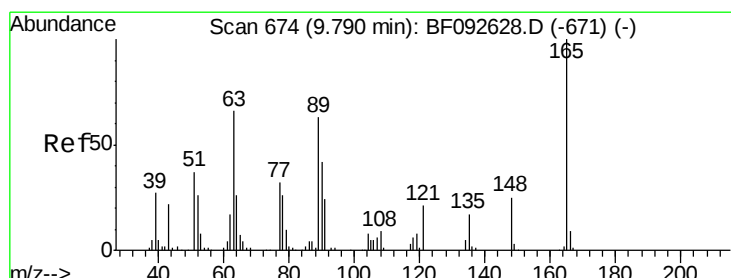
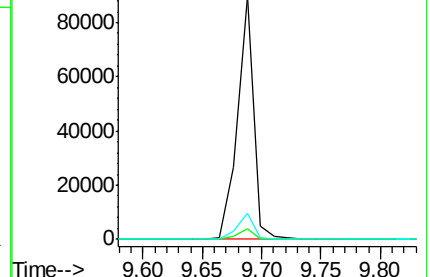
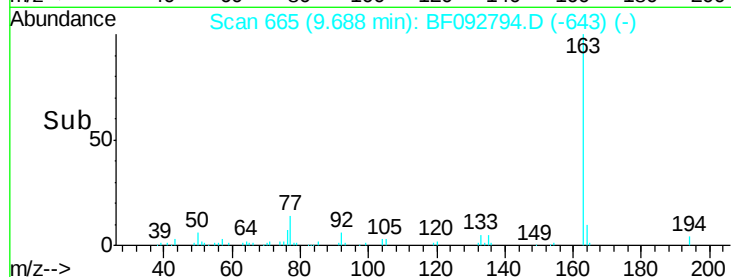
164 10.4 8.0 12.0



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: 9.11 ng

RT: 9.97 min Scan# 690

Delta R.T. 0.18 min

Lab File: BF092794.D

Acq: 3 Feb 2017 23:55

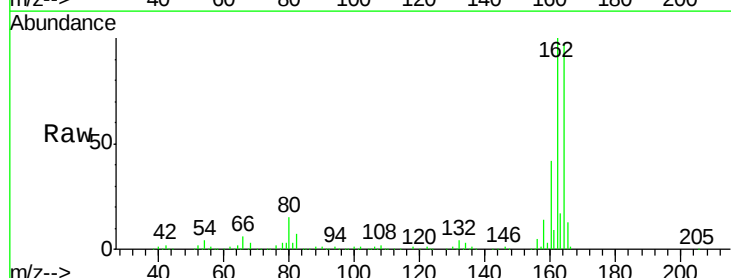
Tgt Ion:165 Resp: 41601

Ion Ratio Lower Upper

165 100

63 0.9 36.2 54.4#

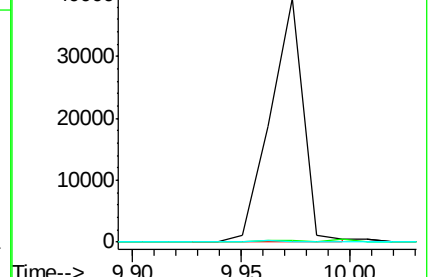
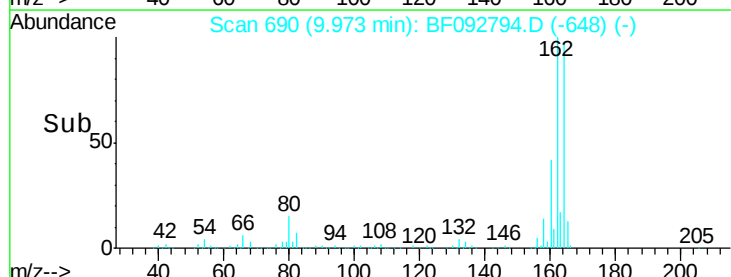
89 0.0 40.2 60.4#

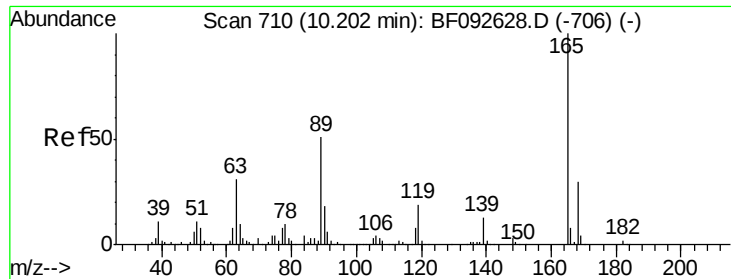


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

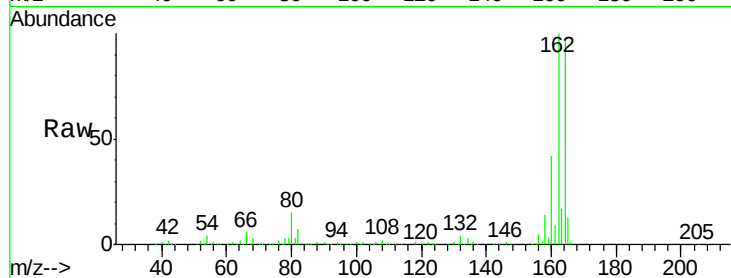




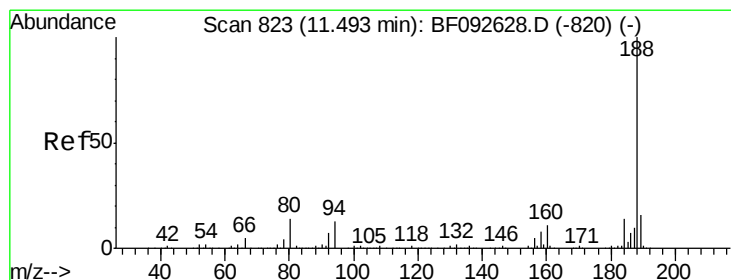
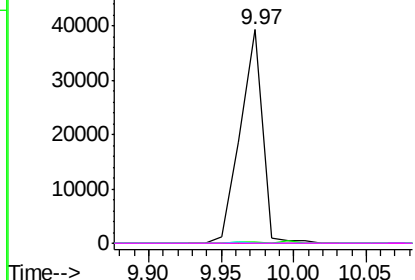
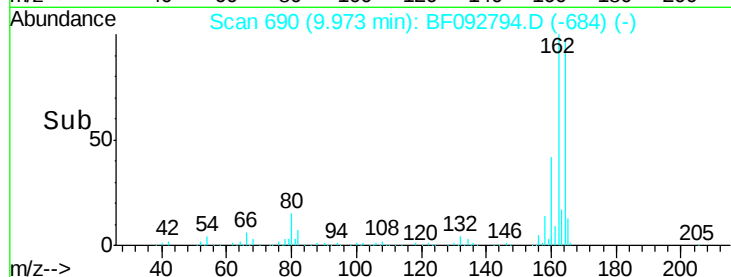
#56
 2,4-Dinitrotoluene
 Concen: 6.89 ng
 RT: 9.97 min Scan# 690
 Delta R.T. -0.23 min
 Lab File: BF092794.D
 Acq: 3 Feb 2017 23:55

Instrument :
 BNA_F
 ClientSampleId :
 MH-6-COMP

Tgt Ion:165 Resp: 41874
 Ion Ratio Lower Upper
 165 100
 63 0.9 40.2 60.4#
 89 0.0 62.5 93.7#
 182 0.0 1.8 2.8#

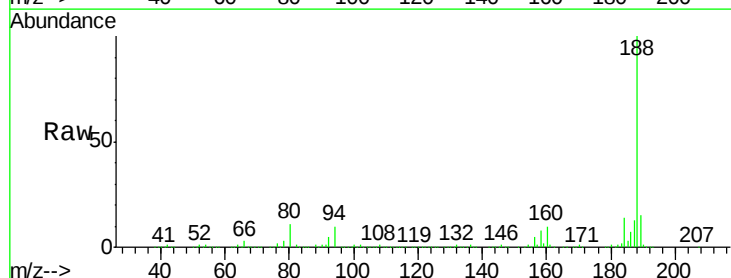


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

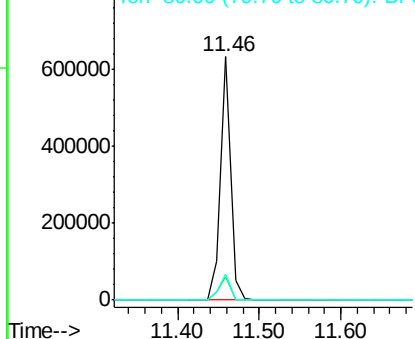
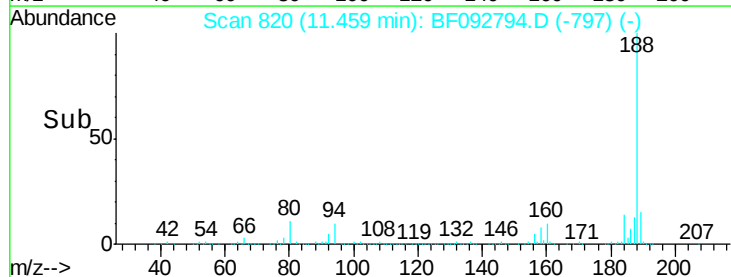


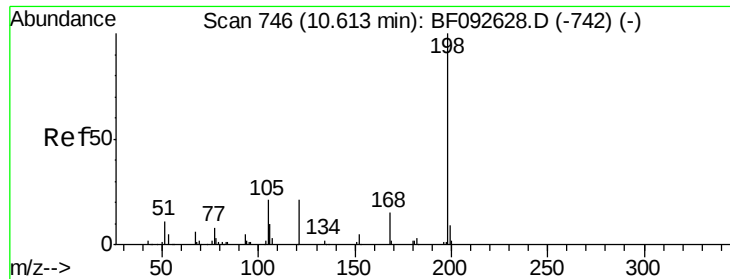
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.46 min Scan# 820
 Delta R.T. -0.03 min
 Lab File: BF092794.D
 Acq: 3 Feb 2017 23:55

Tgt Ion:188 Resp: 546933
 Ion Ratio Lower Upper
 188 100
 94 9.6 10.0 15.0#
 80 10.5 11.2 16.8#



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

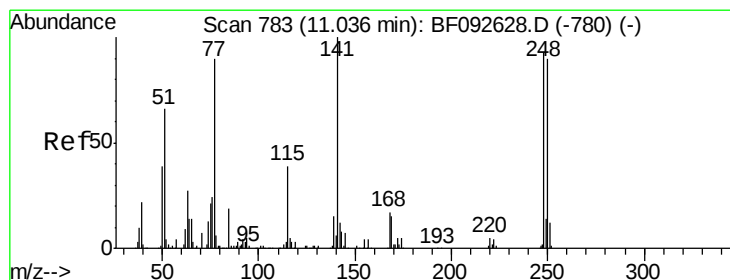
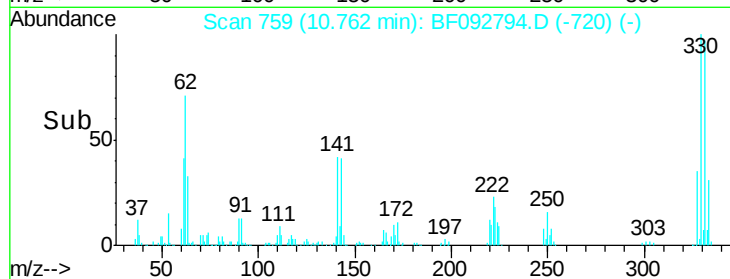
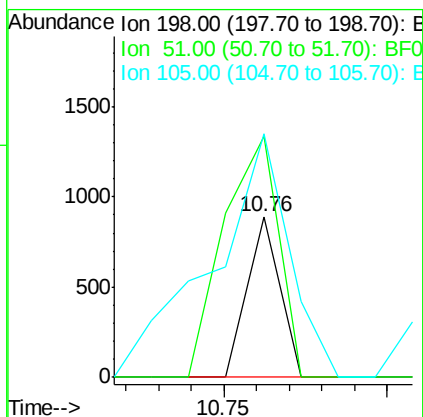
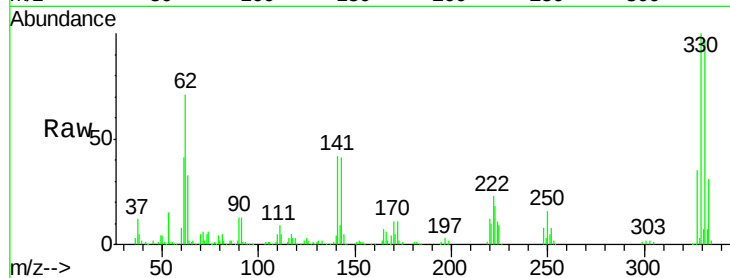




#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.84 ng
 RT: 10.76 min Scan# 759
 Delta R.T. 0.15 min
 Lab File: BF092794.D
 Acq: 3 Feb 2017 23:55

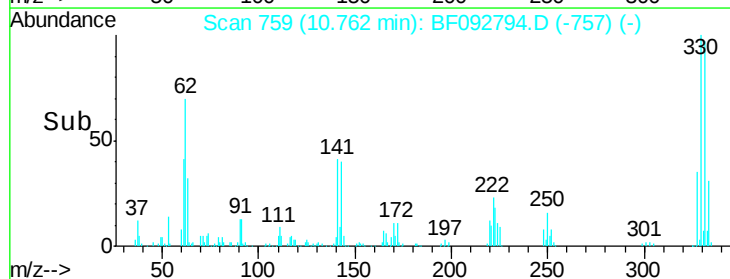
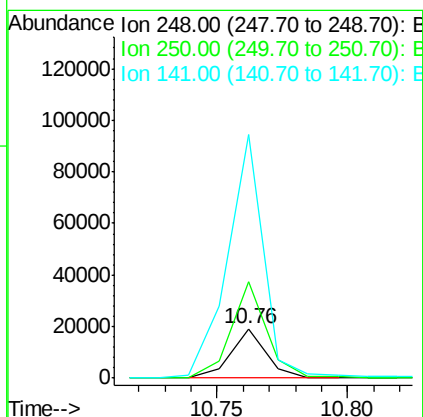
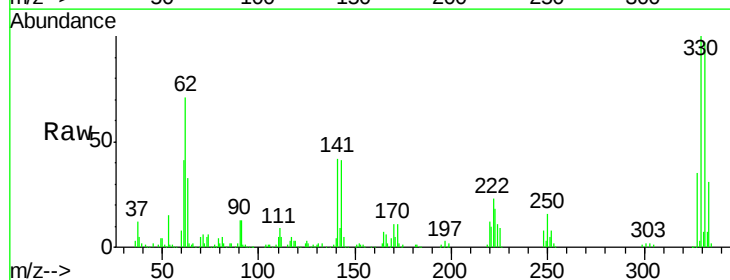
Instrument :
 BNA_F
 ClientSampleId :
 MH-6-COMP

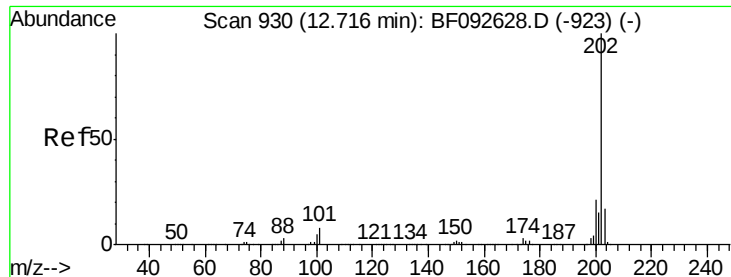
Tgt Ion:198 Resp: 610
 Ion Ratio Lower Upper
 198 100
 51 149.8 6.7 46.7#
 105 151.7 16.6 56.6#



#66
 4-Bromophenyl-phenylether
 Concen: 3.14 ng
 RT: 10.76 min Scan# 759
 Delta R.T. -0.27 min
 Lab File: BF092794.D
 Acq: 3 Feb 2017 23:55

Tgt Ion:248 Resp: 17965
 Ion Ratio Lower Upper
 248 100
 250 194.8 76.9 115.3#
 141 493.4 68.2 102.4#





#74

Fluoranthene

Concen: 2.98 ng

RT: 12.67 min Scan# 926

Delta R.T. -0.05 min

Lab File: BF092794.D

Acq: 3 Feb 2017 23:55

Instrument :

BNA_F

ClientSampleId :

MH-6-COMP

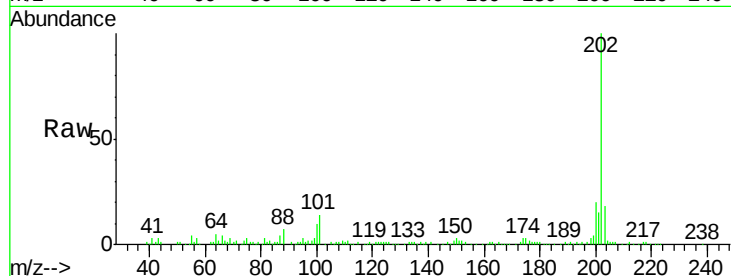
Tgt Ion:202 Resp: 96473

Ion Ratio Lower Upper

202 100

101 14.1 0.0 34.6

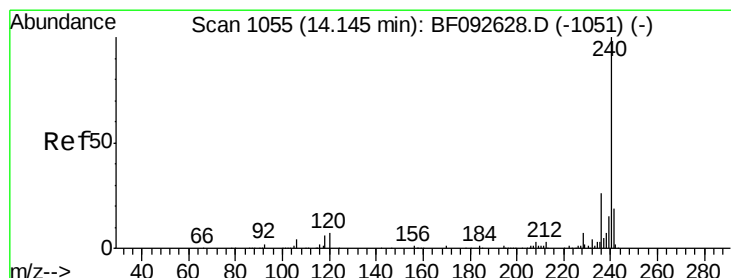
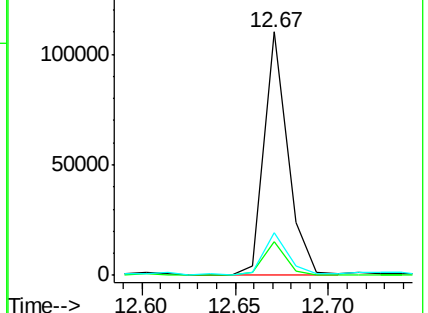
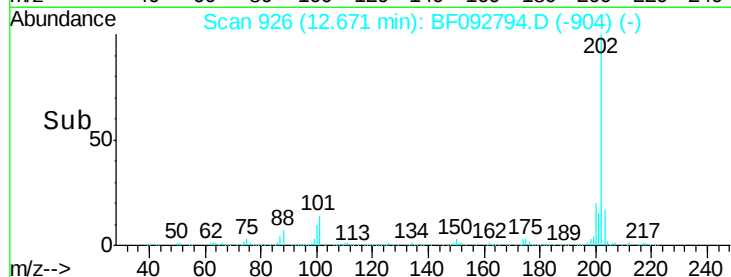
203 17.8 0.0 38.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.10 min Scan# 1051

Delta R.T. -0.05 min

Lab File: BF092794.D

Acq: 3 Feb 2017 23:55

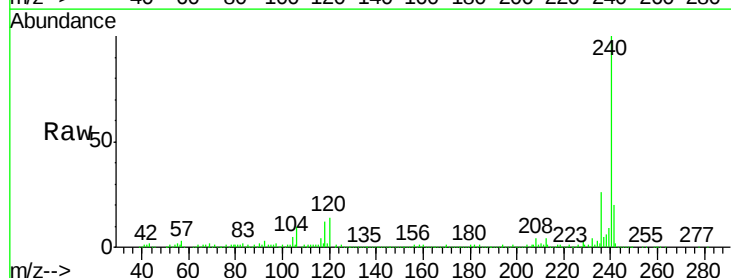
Tgt Ion:240 Resp: 404656

Ion Ratio Lower Upper

240 100

120 14.3 12.9 19.3

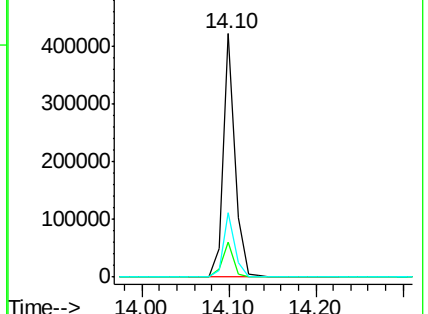
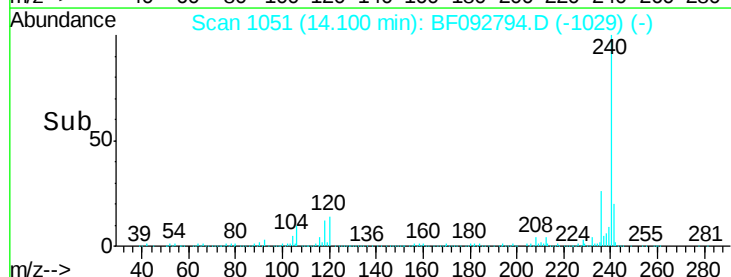
236 26.5 20.9 31.3

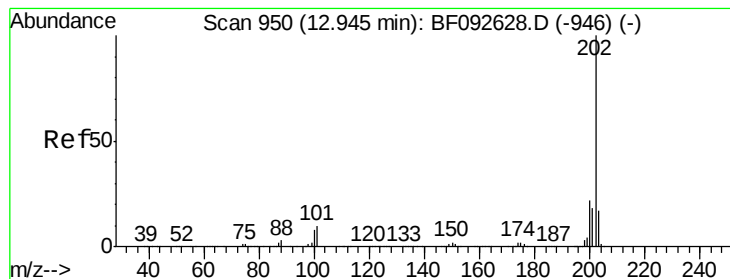


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 3.36 ng

RT: 12.90 min Scan# 946

Delta R.T. -0.05 min

Lab File: BF092794.D

Acq: 3 Feb 2017 23:55

Instrument :

BNA_F

ClientSampleId :

MH-6-COMP

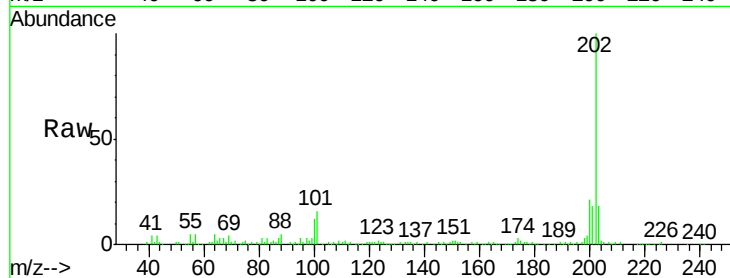
Tgt Ion:202 Resp: 101738

Ion Ratio Lower Upper

202 100

200 20.5 17.7 26.5

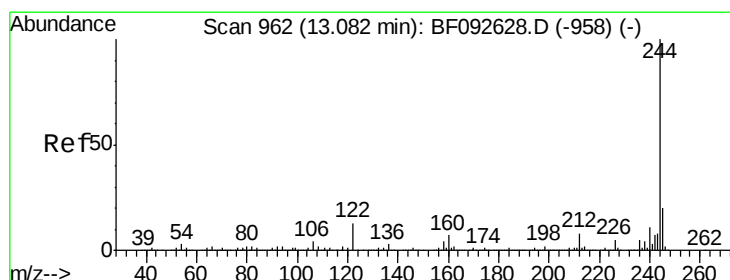
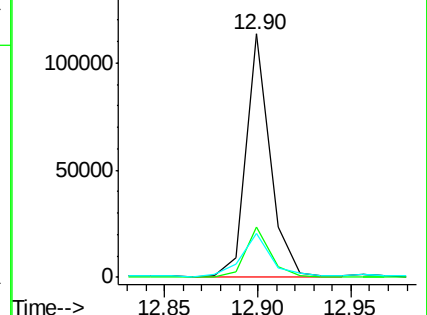
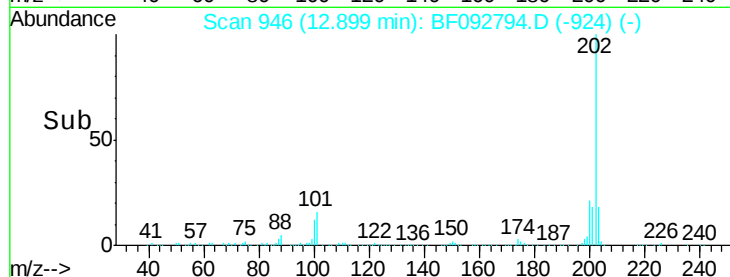
203 18.1 14.7 22.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 65.87 ng

RT: 13.05 min Scan# 959

Delta R.T. -0.03 min

Lab File: BF092794.D

Acq: 3 Feb 2017 23:55

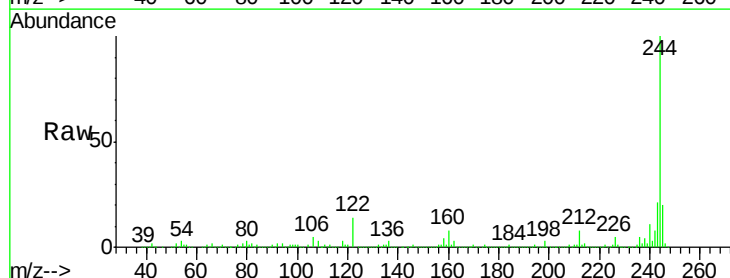
Tgt Ion:244 Resp: 1134343

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

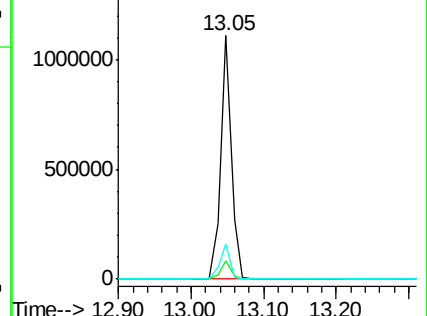
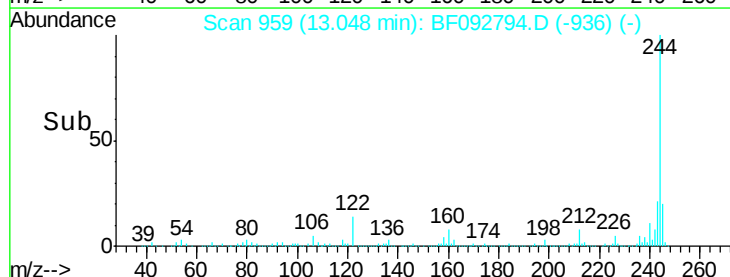
122 14.2 11.4 17.2

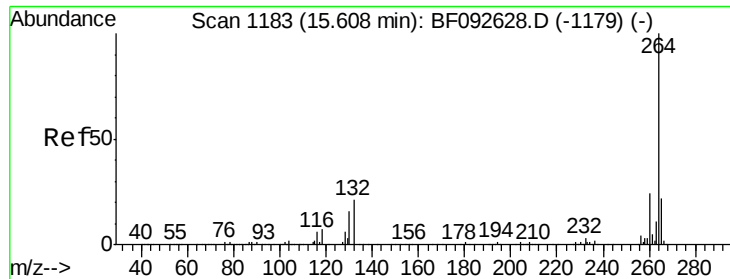


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

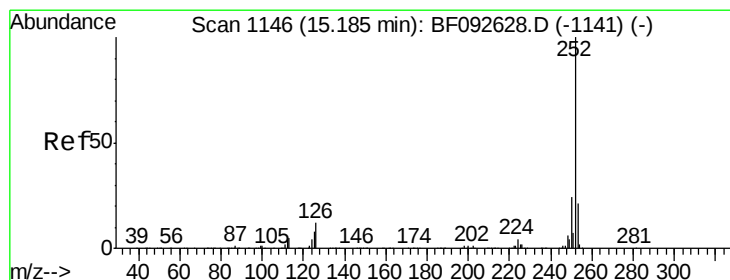
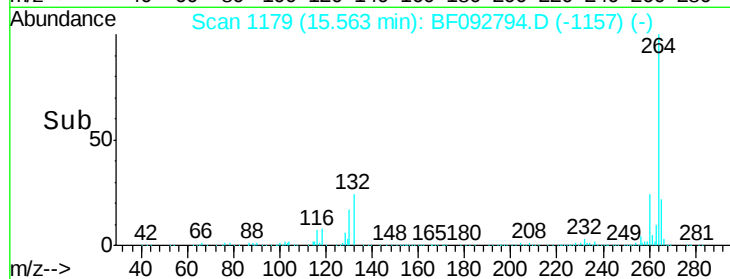
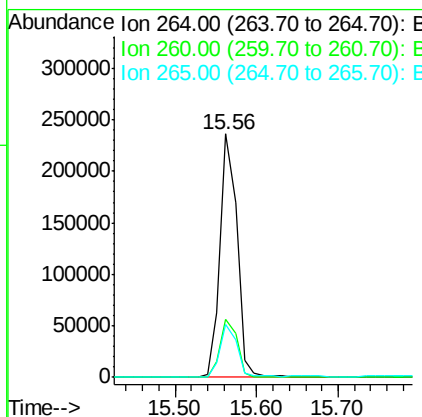
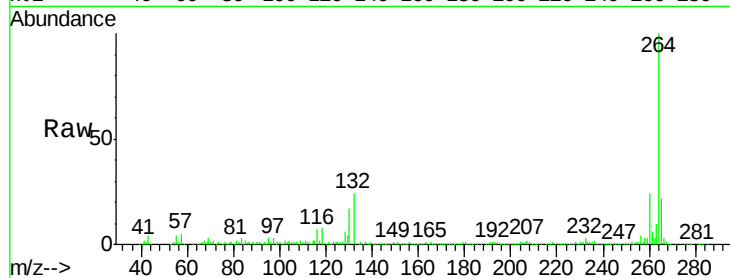




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.56 min Scan# 1179
Delta R.T. -0.05 min
Lab File: BF092794.D
Acq: 3 Feb 2017 23:55

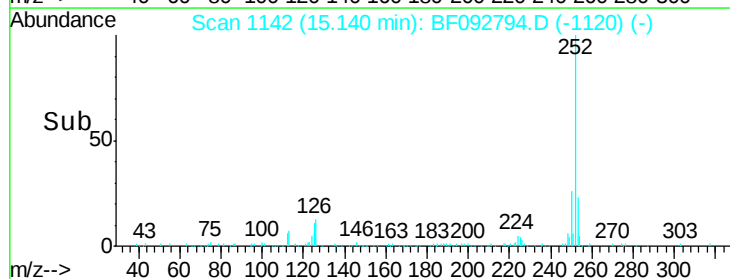
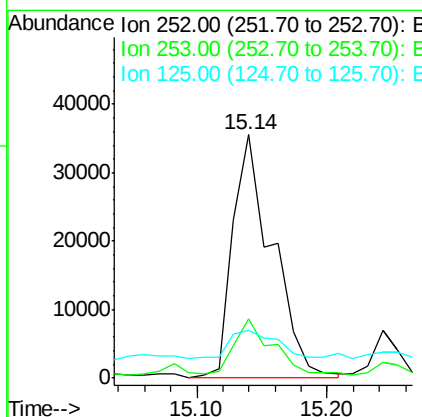
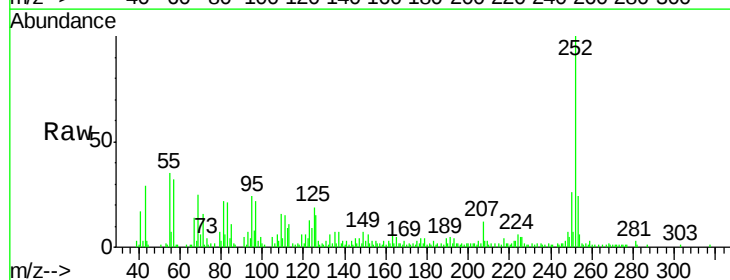
Instrument :
BNA_F
ClientSampleId :
MH-6-COMP

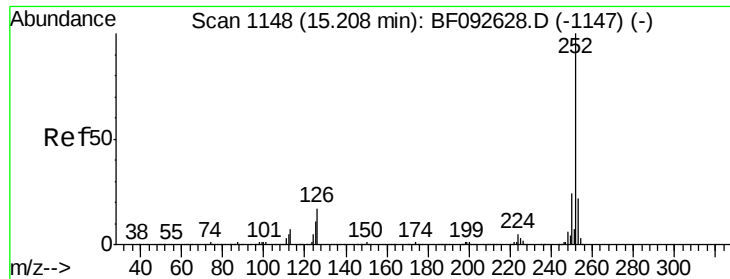
Tgt Ion:264 Resp: 343975
Ion Ratio Lower Upper
264 100
260 23.8 19.2 28.8
265 21.7 17.4 26.0



#87
Benzo(b)fluoranthene
Concen: 3.31 ng
RT: 15.14 min Scan# 1142
Delta R.T. -0.05 min
Lab File: BF092794.D
Acq: 3 Feb 2017 23:55

Tgt Ion:252 Resp: 74891
Ion Ratio Lower Upper
252 100
253 24.1 18.2 27.4
125 19.4 9.8 14.6#

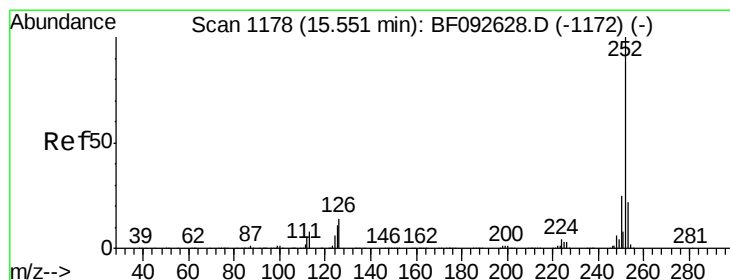
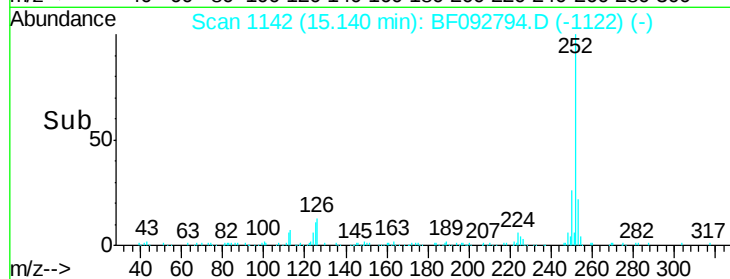
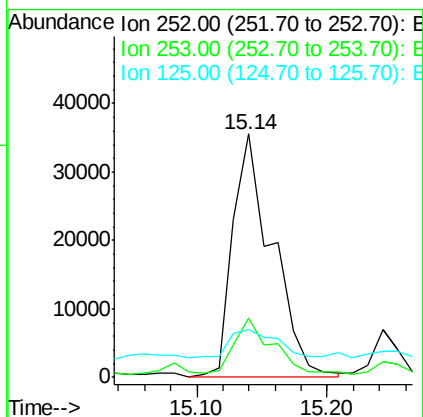
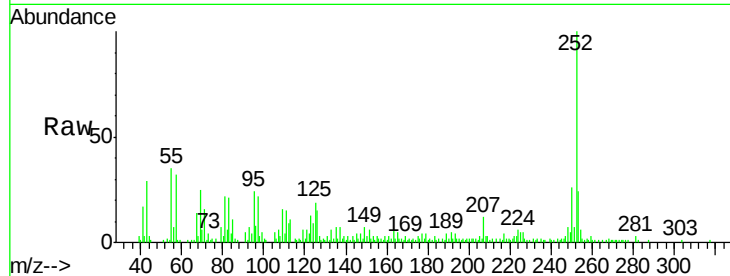




#88
Benzo(k)fluoranthene
Concen: 3.83 ng
RT: 15.14 min Scan# 1142
Delta R.T. -0.07 min
Lab File: BF092794.D
Acq: 3 Feb 2017 23:55

Instrument :
BNA_F
ClientSampleId :
MH-6-COMP

Tgt Ion:252 Resp: 74891
Ion Ratio Lower Upper
252 100
253 24.1 18.5 27.7
125 19.4 8.9 13.3#



#89
Benzo(a)pyrene
Concen: 2.08 ng
RT: 15.51 min Scan# 1174
Delta R.T. -0.05 min
Lab File: BF092794.D
Acq: 3 Feb 2017 23:55

Tgt Ion:252 Resp: 40809
Ion Ratio Lower Upper
252 100
253 25.1 18.2 27.2
125 19.1 10.0 15.0#

