

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE070716\
 Data File : BE091986.D
 Acq On : 7 Jul 2016 18:23
 Operator : UM/SJ
 Sample : H3697-03
 Misc : 4X internal std added
 ALS Vial : 4 Sample Multiplier: 4

Instrument :
 BNA_E
 ClientSampleId :
 FB-06202016

Quant Time: Jul 08 01:06:38 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE070516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 05 16:14:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.20	152	125332	5.00	ng	0.00
8) Naphthalene-d8	10.99	136	577370	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	387252	5.00	ng	0.00
24) Phenanthrene-d10	17.59	188	781312	5.00	ng	0.00
31) Chrysene-d12	21.76	240	1127749	5.00	ng	0.00
40) Perylene-d12	24.17	264	1034865	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.72	112	528340	70.49	ng	0.00
5) Phenol-d6	7.35	99	444447	42.68	ng	-0.02
9) Nitrobenzene-d5	9.37	82	1040596	105.85	ng	-0.02
16) 2,4,6-Tribromophenol	16.35	330	414375	117.94	ng	0.00
17) 2-Fluorobiphenyl	13.49	172	1868707	79.12	ng	0.00
34) Terphenyl-d14	20.22	244	2469356	74.26	ng	0.00

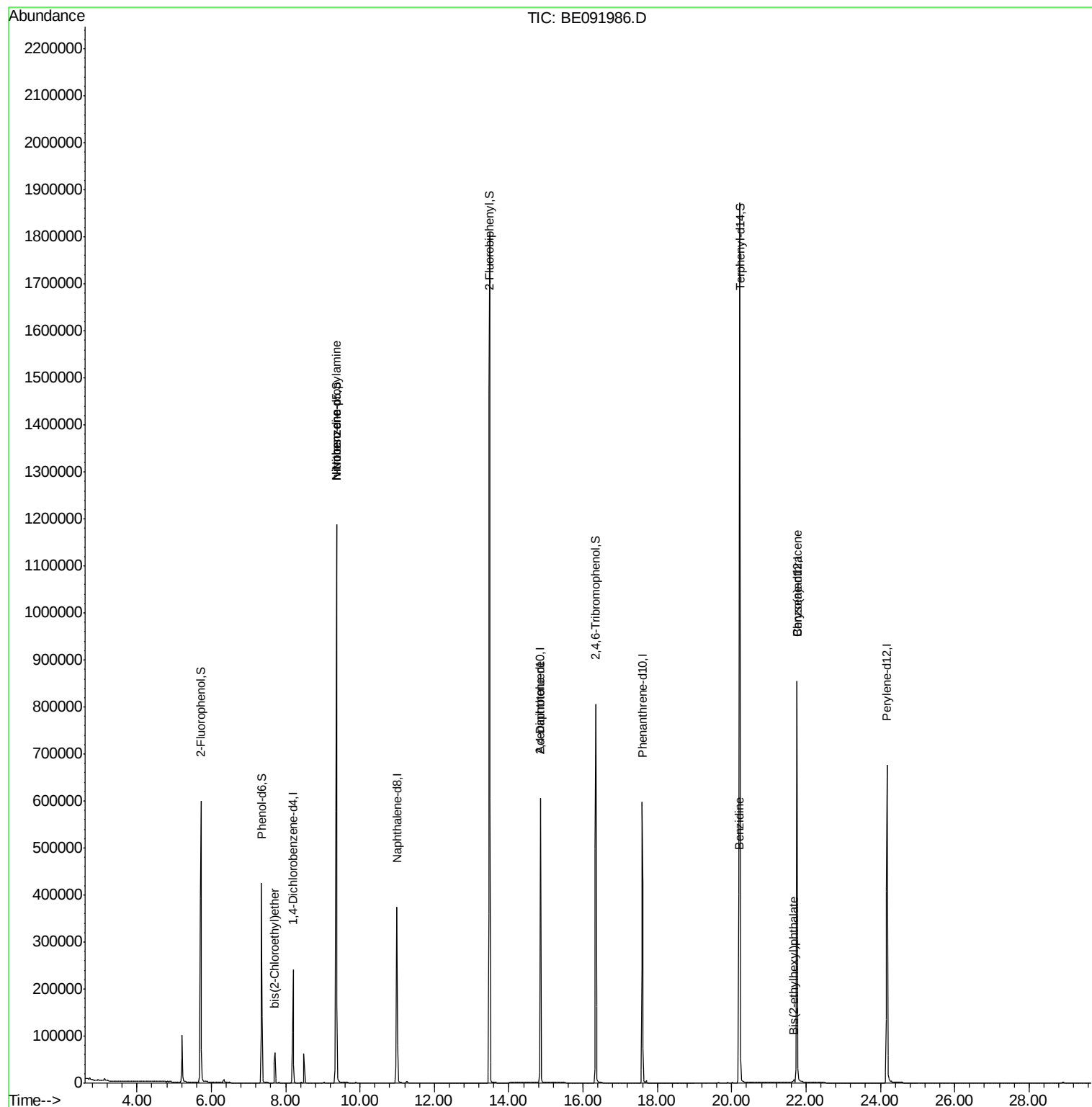
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) bis(2-Chloroethyl)ether	7.71	93	1429	0.04	ng	# 1
7) n-Nitroso-di-n-propylamine	9.37	70	144708	4.16	ng	# 81
10) Nitrobenzene	9.37	77	3427	0.08	ng	# 54
21) 2,4-Dinitrotoluene	14.86	165	206306	1.80	ng	# 1
32) Benzidine	20.20	184	44045	0.69	ng	# 98
35) Benzo(a)anthracene	21.76	228	4500	0.02	ng	# 71
36) 3,3'-Dichlorobenzidine	21.47	252	60	Below Cal		# 47
38) Bis(2-ethylhexyl)phthalate	21.67	149	14717	0.07	ng	# 100

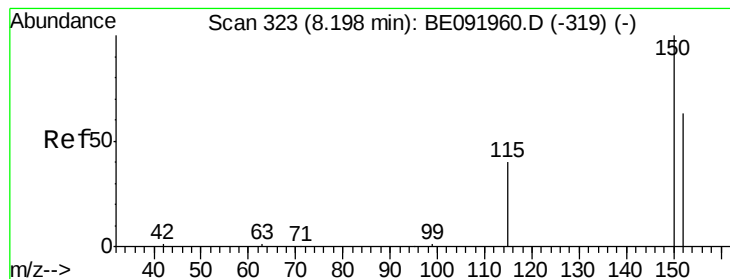
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.20 min Scan# 323

Delta R.T. 0.00 min

Lab File: BE091986.D

Acq: 7 Jul 2016 18:23

Instrument :

BNA_E

ClientSampleId :

FB-06202016

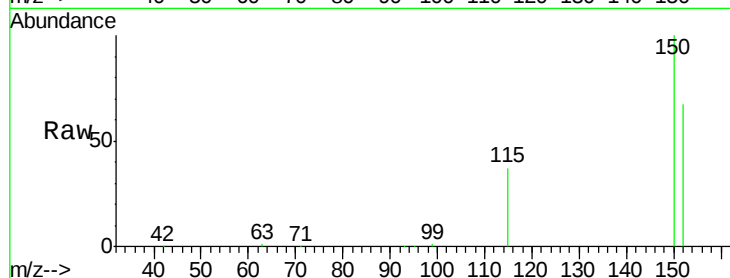
Tgt Ion:152 Resp: 125332

Ion Ratio Lower Upper

152 100

150 150.0 123.9 185.9

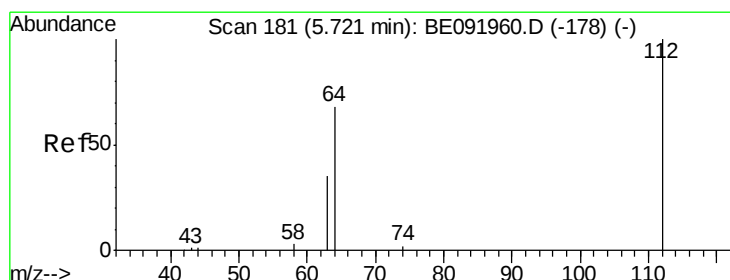
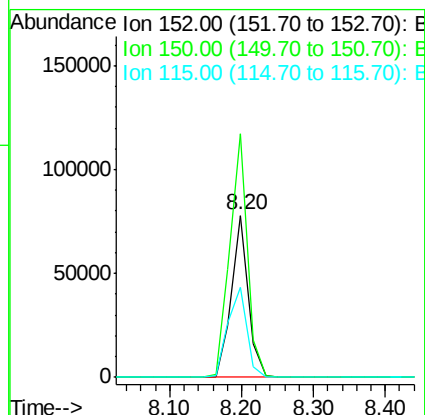
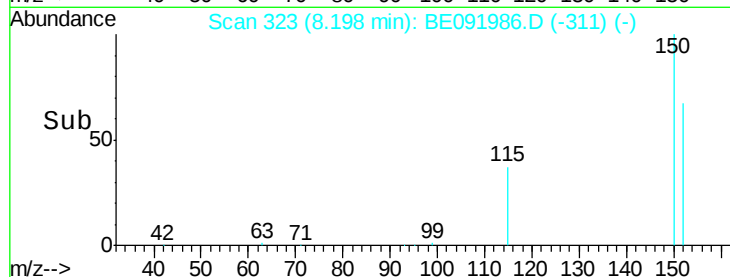
115 55.7 48.3 72.5



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



#4

2-Fluorophenol

Concen: 70.49 ng

RT: 5.72 min Scan# 181

Delta R.T. -0.00 min

Lab File: BE091986.D

Acq: 7 Jul 2016 18:23

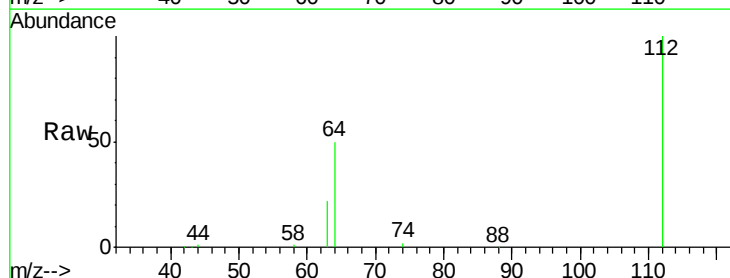
Tgt Ion:112 Resp: 528340

Ion Ratio Lower Upper

112 100

64 68.5 53.7 80.5

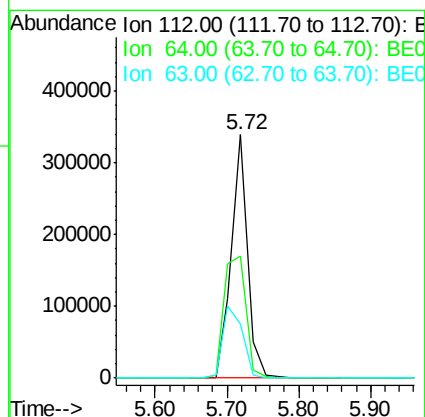
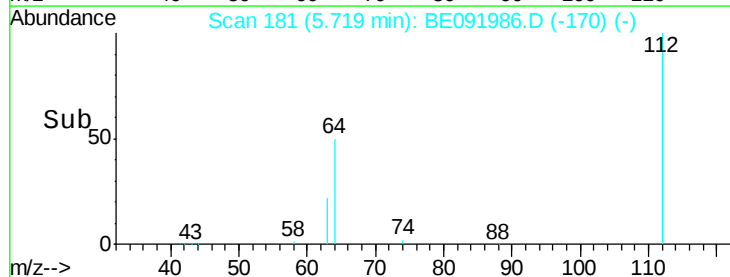
63 36.8 29.5 44.3

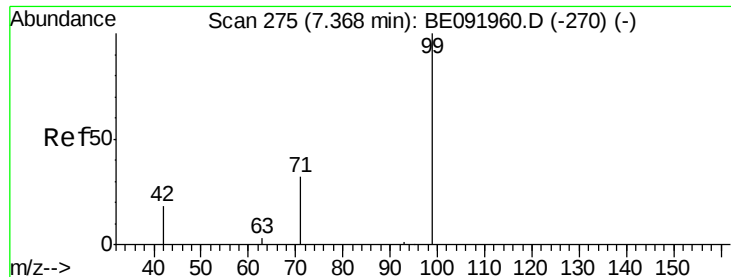


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 42.68 ng

RT: 7.35 min Scan# 274

Delta R.T. -0.02 min

Lab File: BE091986.D

Acq: 7 Jul 2016 18:23

Instrument :

BNA_E

ClientSampleId :

FB-06202016

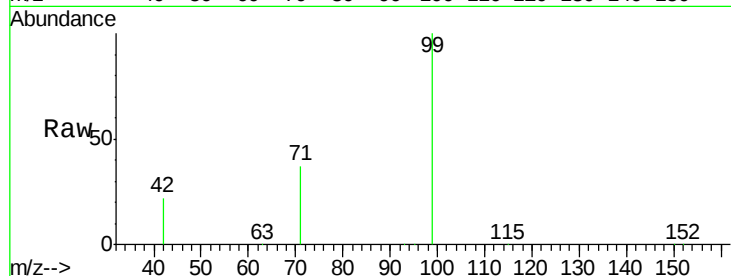
Tgt Ion: 99 Resp: 444447

Ion Ratio Lower Upper

99 100

42 24.7 19.6 29.4

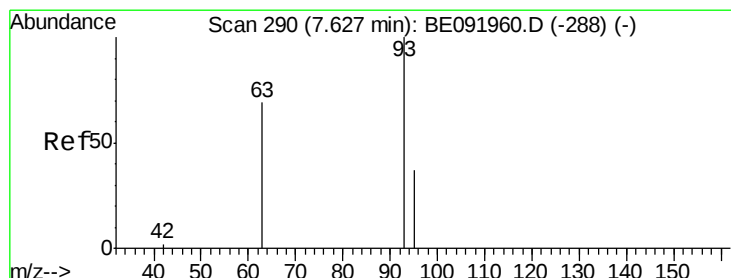
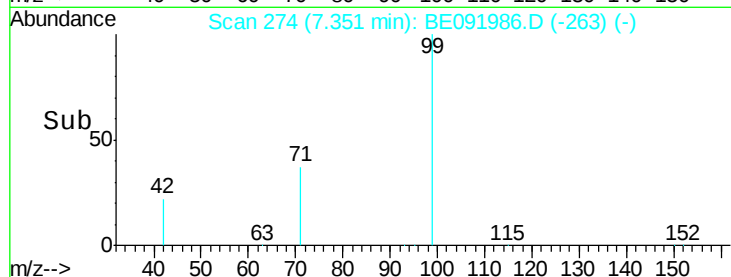
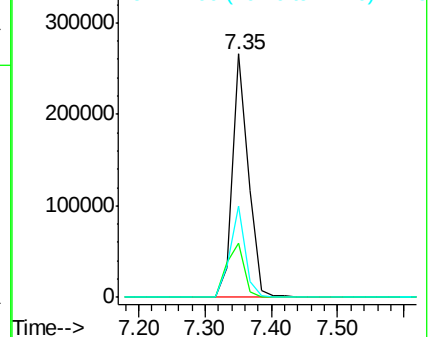
71 35.9 28.1 42.1



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.04 ng

RT: 7.71 min Scan# 295

Delta R.T. 0.09 min

Lab File: BE091986.D

Acq: 7 Jul 2016 18:23

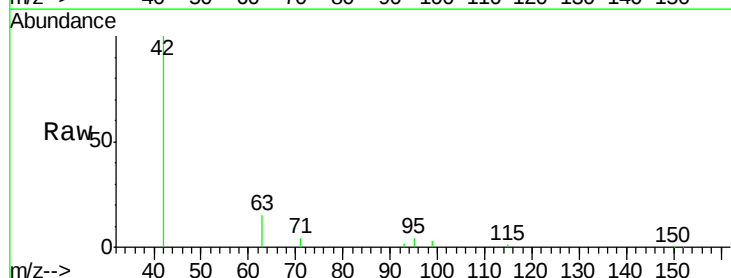
Tgt Ion: 93 Resp: 1429

Ion Ratio Lower Upper

93 100

63 930.6 66.2 99.4#

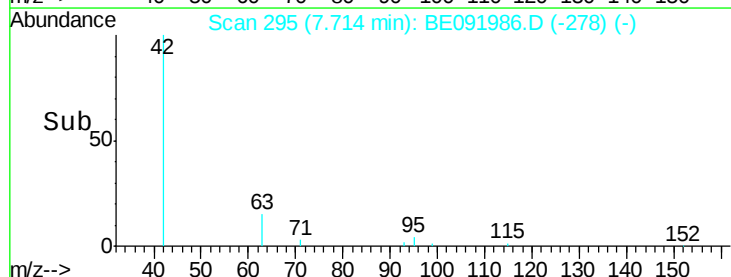
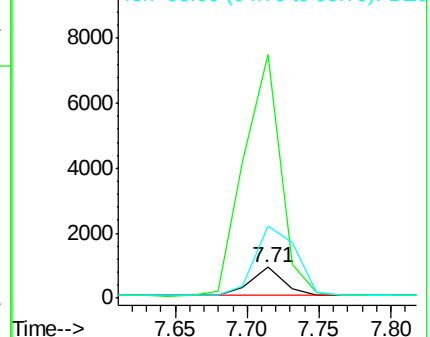
95 304.8 25.5 38.3#

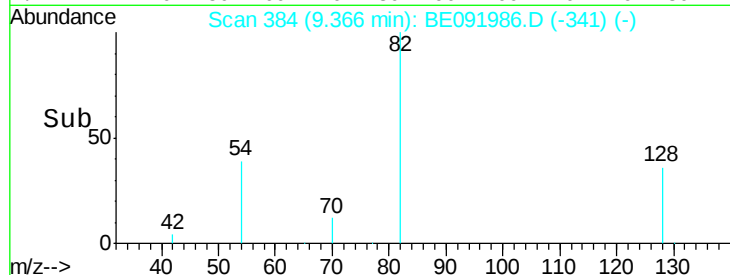
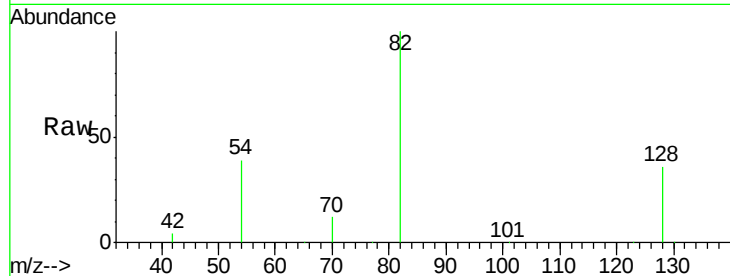
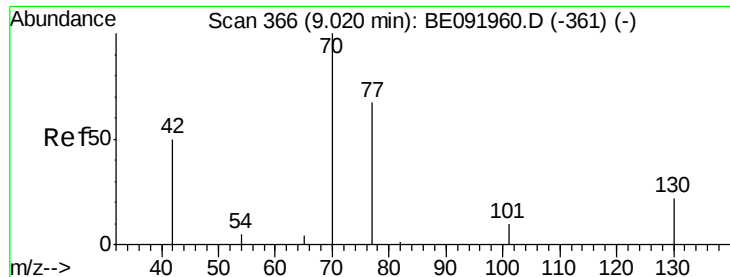


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

n-Nitroso-di-n-propylamine

Concen: 4.16 ng

RT: 9.37 min Scan# 384

Delta R.T. 0.35 min

Lab File: BE091986.D

Acq: 7 Jul 2016 18:23

Instrument :

BNA_E

ClientSampleId :

FB-06202016

Tgt Ion: 70 Resp: 144708

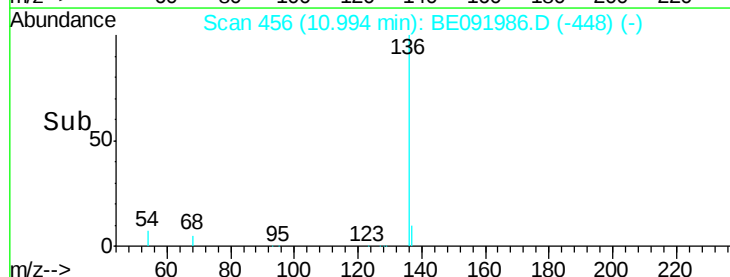
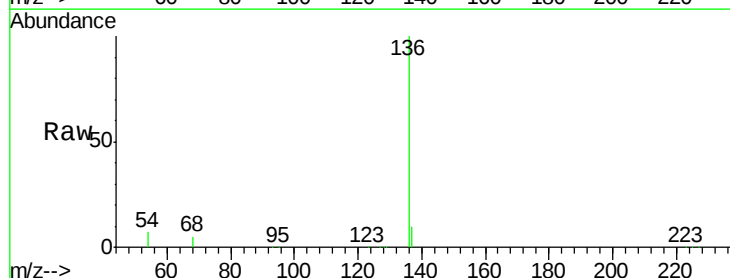
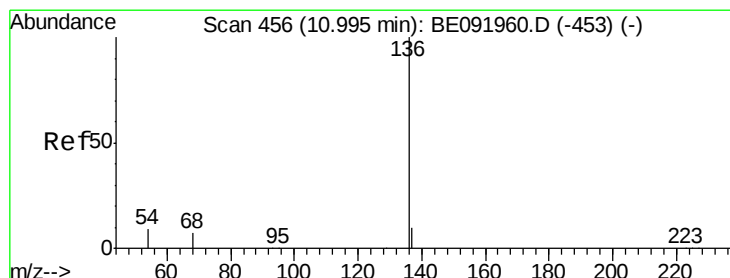
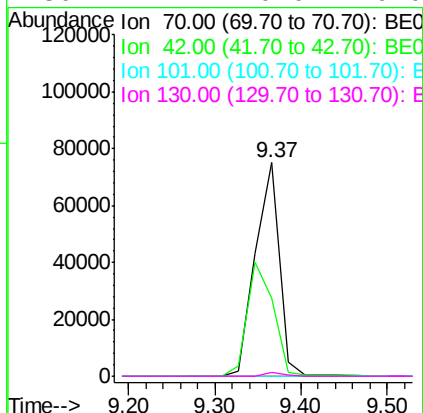
Ion Ratio Lower Upper

70 100

42 57.5 58.4 87.6#

101 0.0 6.4 9.6#

130 1.7 0.0 0.0#



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 10.99 min Scan# 456

Delta R.T. -0.00 min

Lab File: BE091986.D

Acq: 7 Jul 2016 18:23

Tgt Ion: 136 Resp: 577370

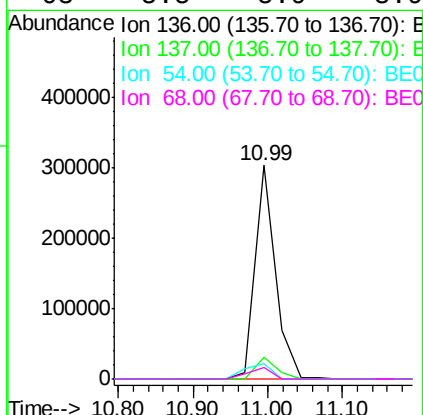
Ion Ratio Lower Upper

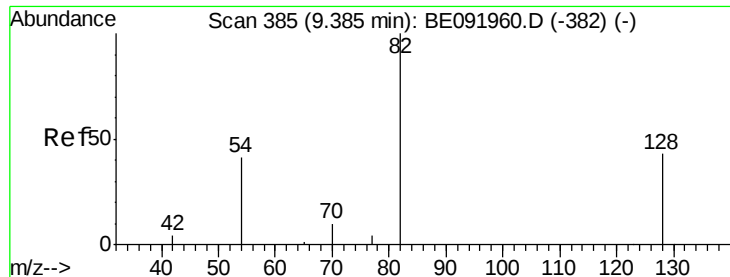
136 100

137 10.4 8.3 12.5

54 7.2 8.2 12.4#

68 5.5 5.9 8.9#





#9

Nitrobenzene-d5

Concen: 105.85 ng

RT: 9.37 min Scan# 384

Delta R.T. -0.02 min

Lab File: BE091986.D

Acq: 7 Jul 2016 18:23

Instrument :

BNA_E

ClientSampleId :

FB-06202016

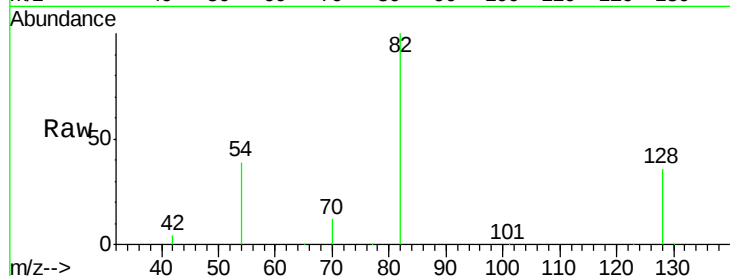
Tgt Ion: 82 Resp: 1040596

Ion Ratio Lower Upper

82 100

128 36.2 39.5 59.3#

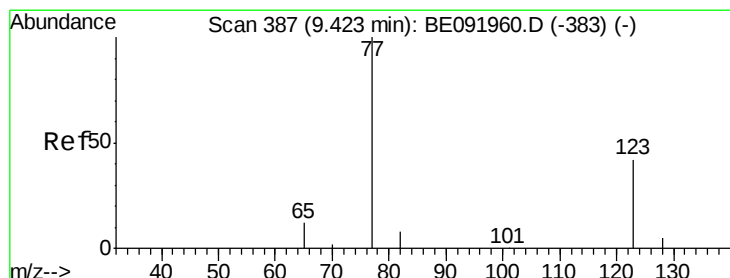
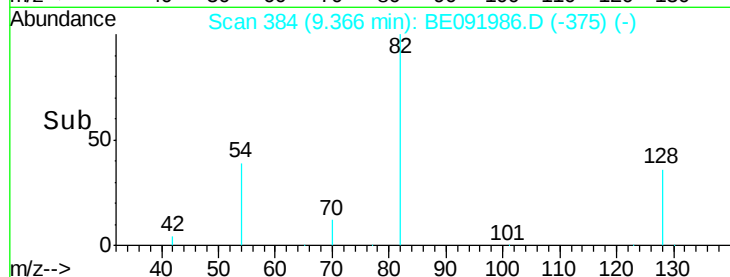
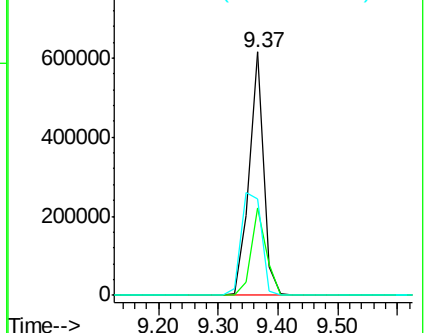
54 39.5 30.3 45.5



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#10

Nitrobenzene

Concen: 0.08 ng

RT: 9.37 min Scan# 384

Delta R.T. -0.06 min

Lab File: BE091986.D

Acq: 7 Jul 2016 18:23

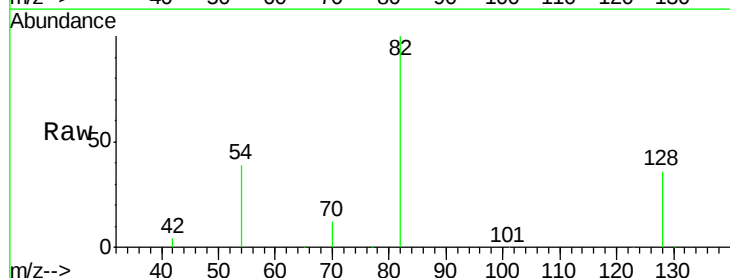
Tgt Ion: 77 Resp: 3427

Ion Ratio Lower Upper

77 100

123 1.6 0.0 0.0#

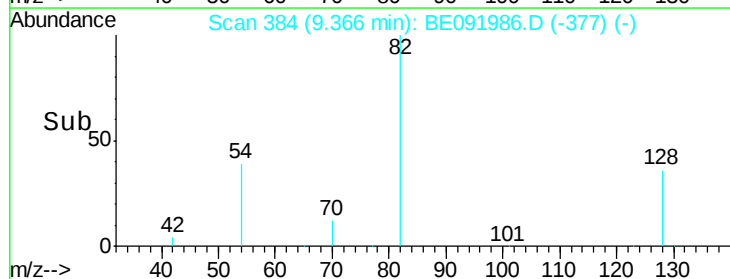
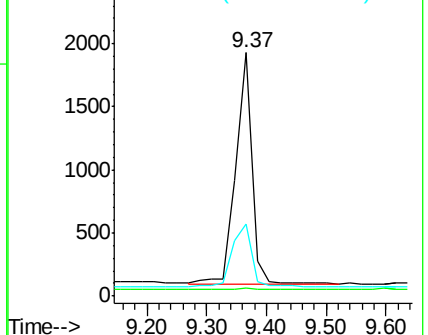
65 32.6 11.1 16.7#

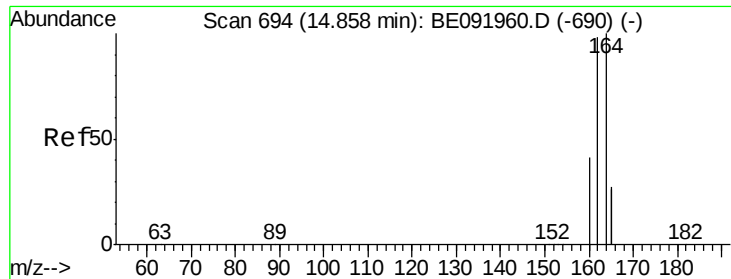


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0

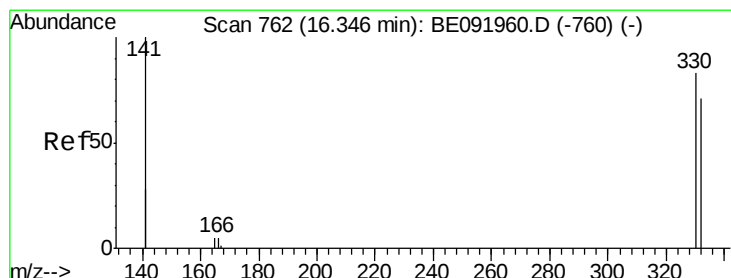
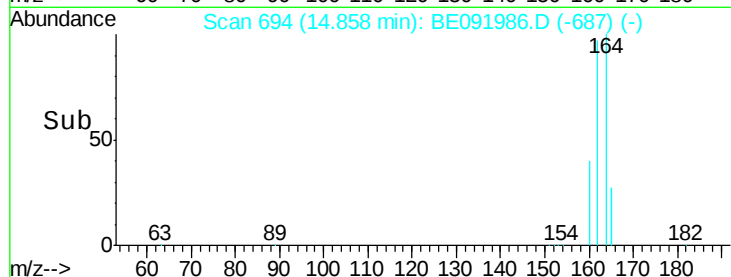
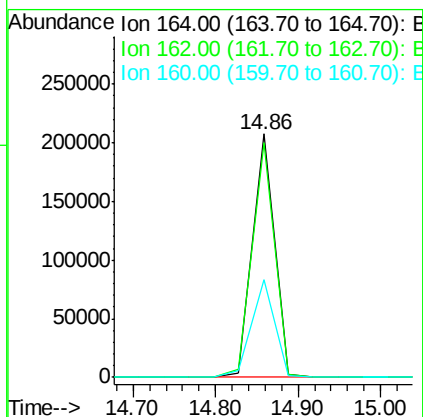
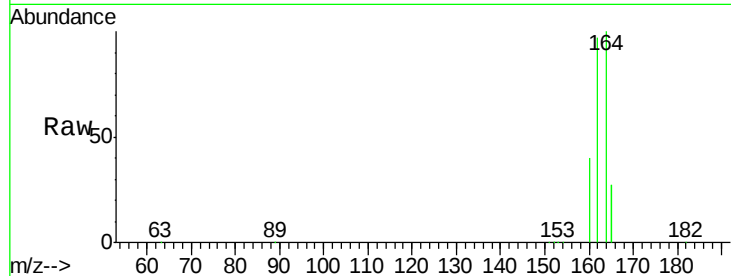




#15
 Acenaphthene-d10
 Concen: 5.00 ng
 RT: 14.86 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: BE091986.D
 Acq: 7 Jul 2016 18:23

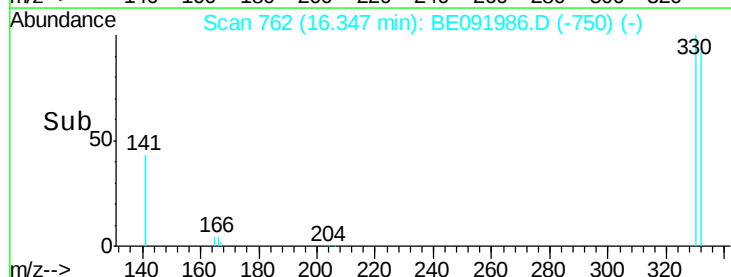
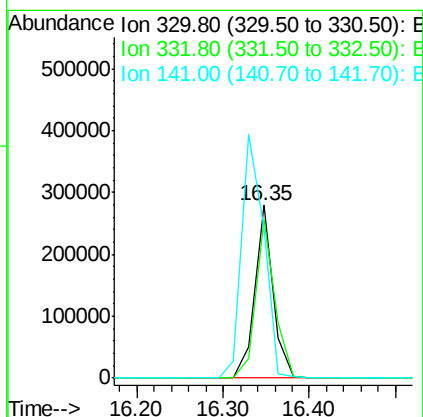
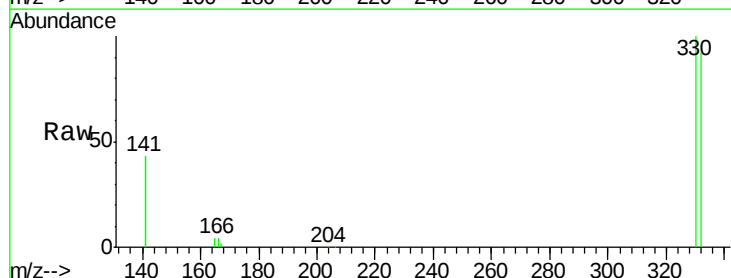
Instrument :
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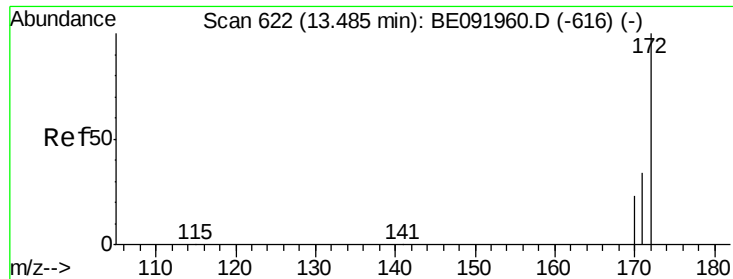
Tgt Ion:164 Resp: 387252
 Ion Ratio Lower Upper
 164 100
 162 96.6 71.8 107.8
 160 40.3 28.0 42.0



#16
 2,4,6-Tribromophenol
 Concen: 117.94 ng
 RT: 16.35 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: BE091986.D
 Acq: 7 Jul 2016 18:23

Tgt Ion:330 Resp: 414375
 Ion Ratio Lower Upper
 330 100
 332 95.8 77.0 115.6
 141 169.0 138.4 207.6

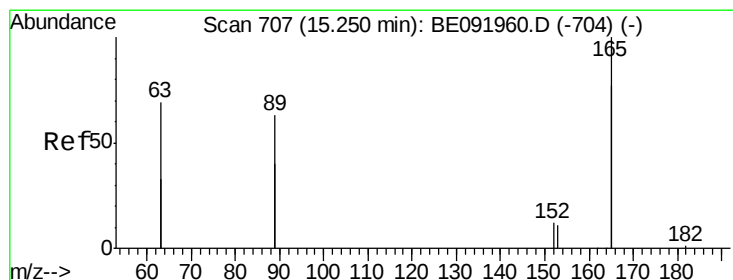
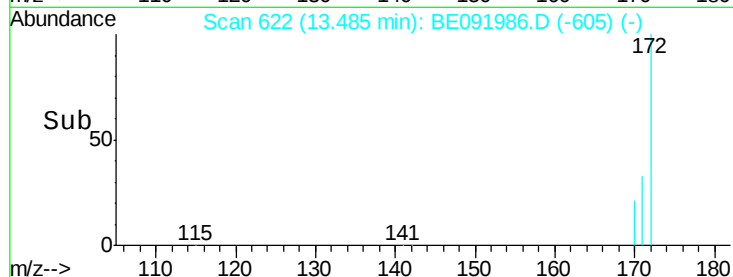
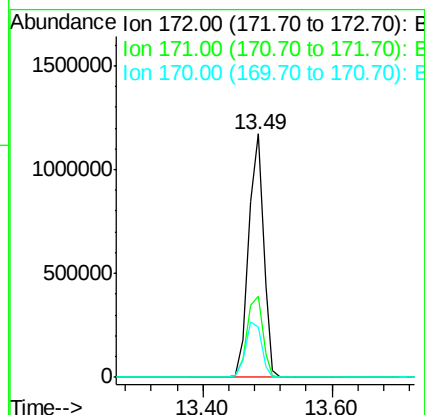
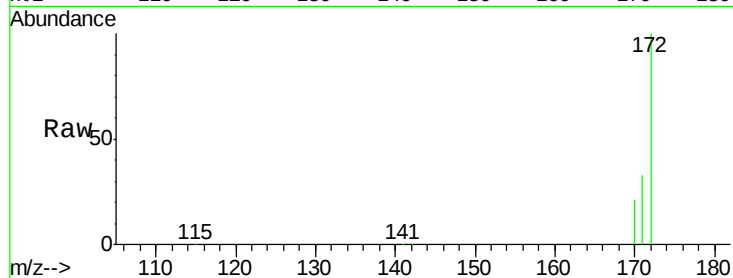




#17
2-Fluorobiphenyl
Concen: 79.12 ng
RT: 13.49 min Scan# 622
Delta R.T. 0.00 min
Lab File: BE091986.D
Acq: 7 Jul 2016 18:23

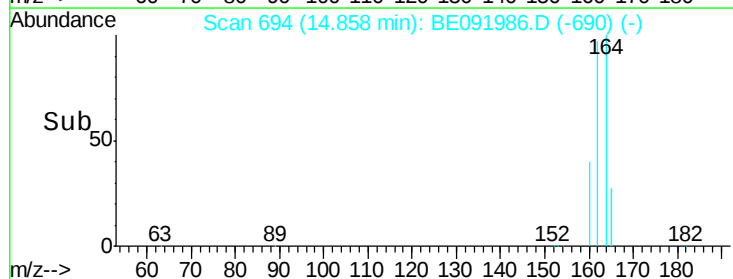
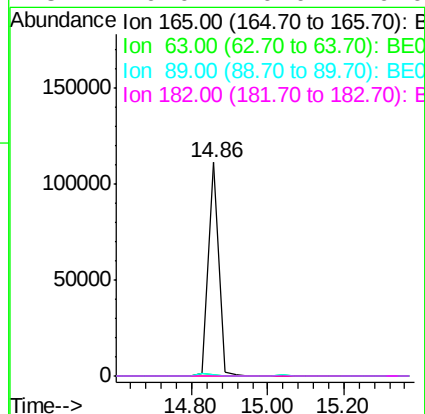
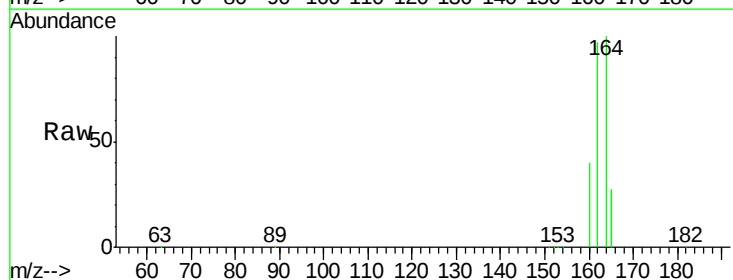
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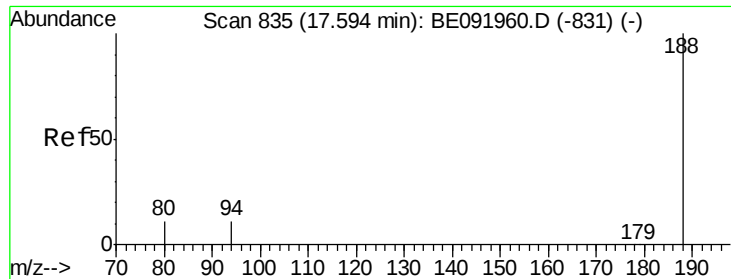
Tgt Ion:172 Resp: 1868707
Ion Ratio Lower Upper
172 100
171 33.4 24.3 36.5
170 20.6 14.9 22.3



#21
2,4-Dinitrotoluene
Concen: 1.80 ng
RT: 14.86 min Scan# 694
Delta R.T. -0.39 min
Lab File: BE091986.D
Acq: 7 Jul 2016 18:23

Tgt Ion:165 Resp: 206306
Ion Ratio Lower Upper
165 100
63 0.0 0.0 0.0
89 0.0 99.8 149.8#
182 0.0 0.0 0.0

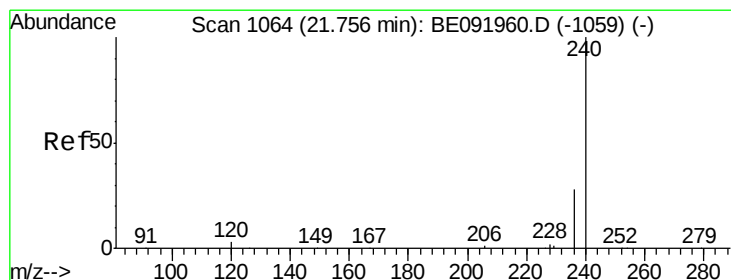
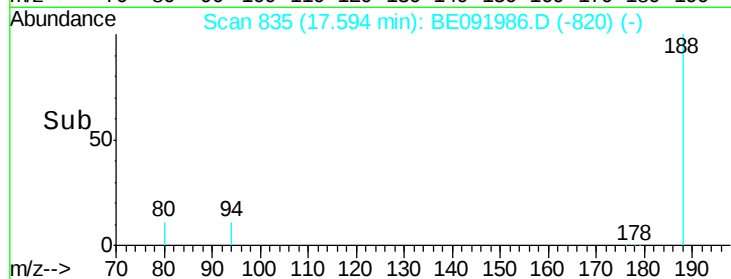
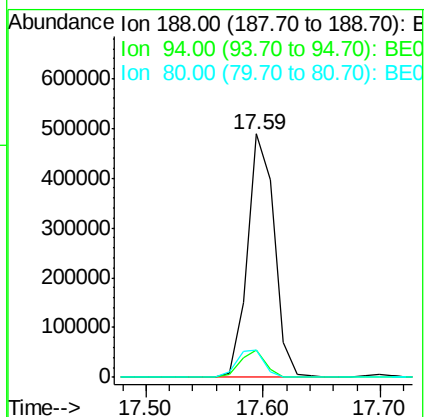
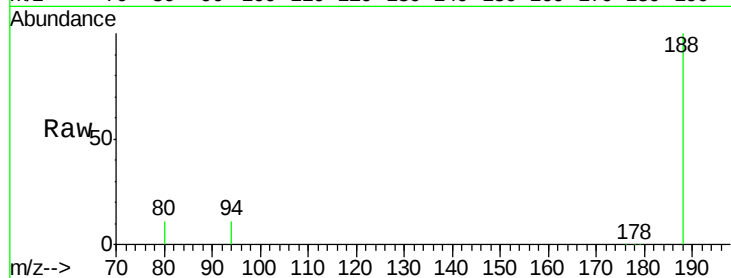




#24
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.59 min Scan# 835
Delta R.T. 0.00 min
Lab File: BE091986.D
Acq: 7 Jul 2016 18:23

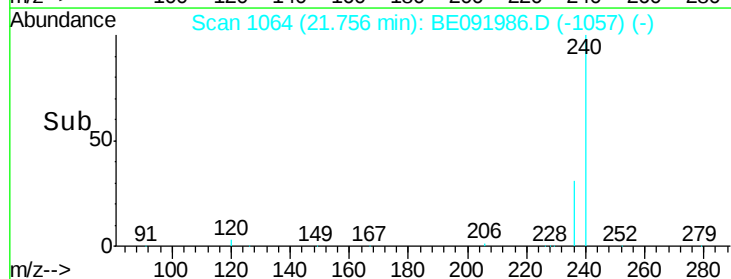
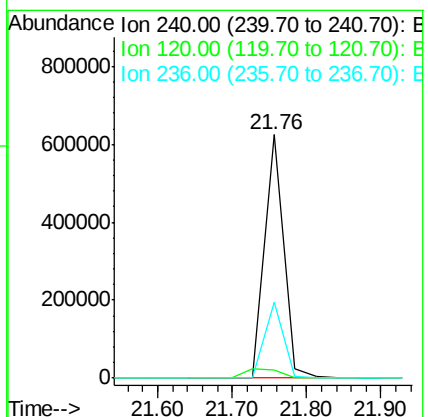
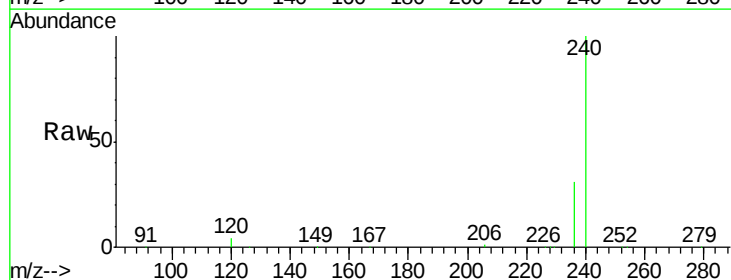
Instrument :
BNA_E
ClientSampleId :
FB-06202016

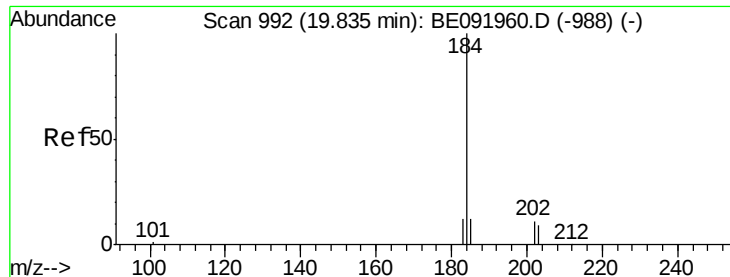
Tgt Ion:188 Resp: 781312
Ion Ratio Lower Upper
188 100
94 11.1 4.1 6.1#
80 11.0 3.4 5.2#



#31
Chrysene-d12
Concen: 5.00 ng
RT: 21.76 min Scan# 1064
Delta R.T. 0.00 min
Lab File: BE091986.D
Acq: 7 Jul 2016 18:23

Tgt Ion:240 Resp: 1127749
Ion Ratio Lower Upper
240 100
120 3.5 1.2 1.8#
236 31.3 19.8 29.8#

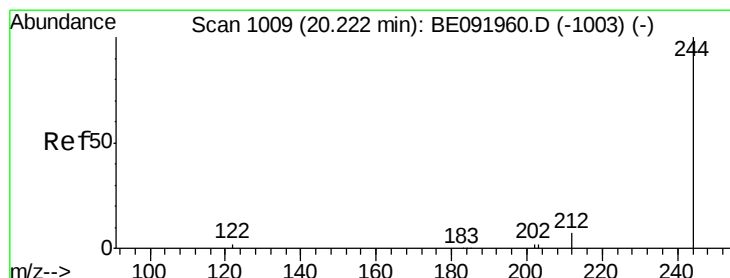
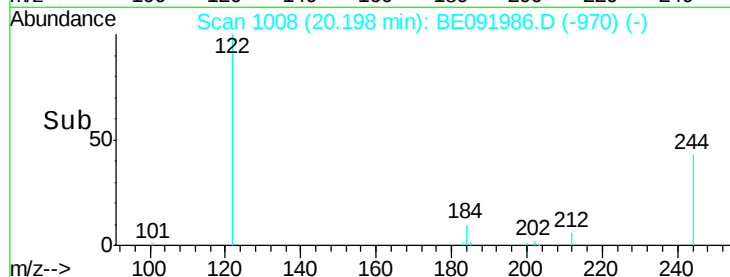
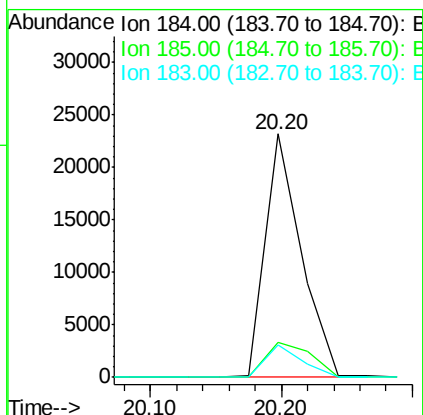
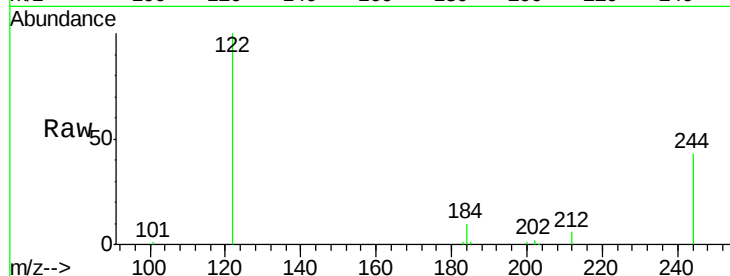




#32
Benzidine
Concen: 0.69 ng
RT: 20.20 min Scan# 1008
Delta R.T. 0.36 min
Lab File: BE091986.D
Acq: 7 Jul 2016 18:23

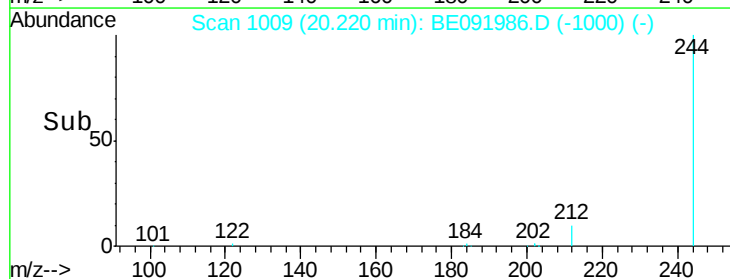
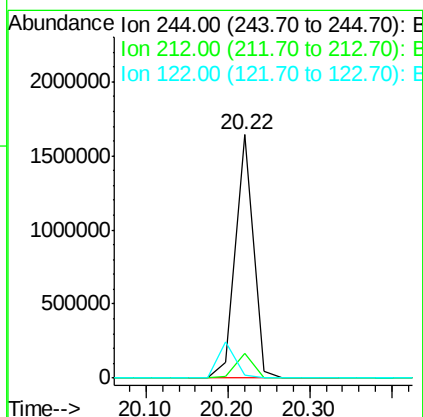
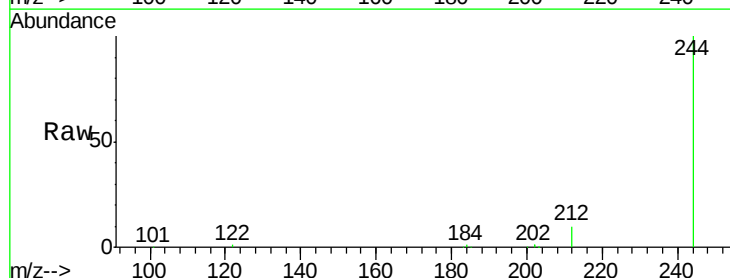
Instrument :
BNA_E
ClientSampleId :
FB-06202016

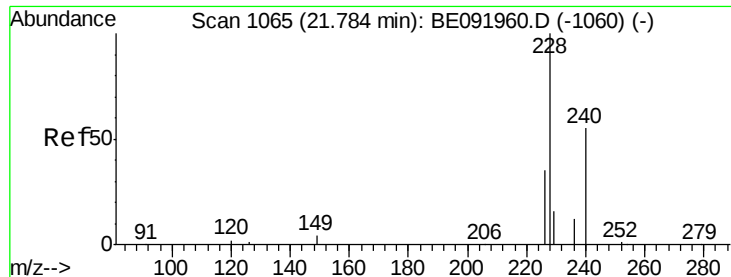
Tgt Ion:184 Resp: 44045
Ion Ratio Lower Upper
184 100
185 14.4 11.4 17.2
183 13.2 11.8 17.6



#34
Terphenyl-d14
Concen: 74.26 ng
RT: 20.22 min Scan# 1009
Delta R.T. -0.00 min
Lab File: BE091986.D
Acq: 7 Jul 2016 18:23

Tgt Ion:244 Resp: 2469356
Ion Ratio Lower Upper
244 100
212 10.0 6.5 9.7#
122 1.3 2.9 4.3#





#35

Benzo(a)anthracene

Concen: 0.02 ng

RT: 21.76 min Scan# 1064

Delta R.T. 0.03 min

Lab File: BE091986.D

Acq: 7 Jul 2016 18:23

Instrument :

BNA_E

ClientSampleId :

FB-06202016

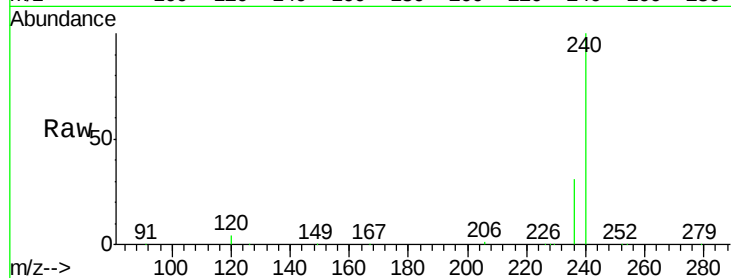
Tgt Ion:228 Resp: 4500

Ion Ratio Lower Upper

228 100

226 10.0 21.0 31.4#

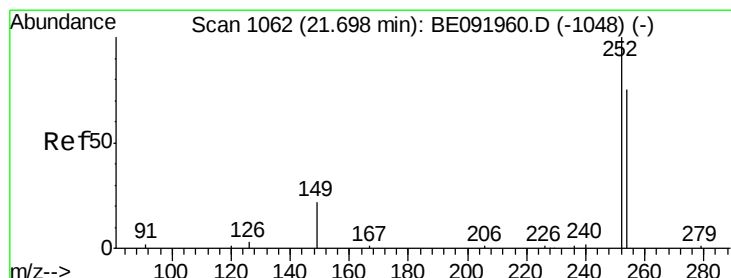
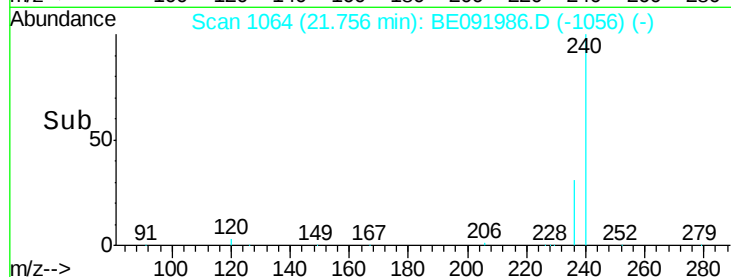
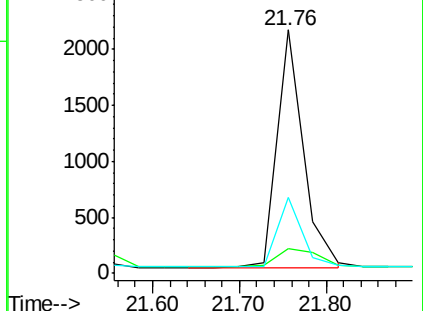
229 31.0 15.8 23.8#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#36

3,3'-Dichlorobenzidine

Concen: Below Cal

RT: 21.47 min Scan# 1054

Delta R.T. -0.23 min

Lab File: BE091986.D

Acq: 7 Jul 2016 18:23

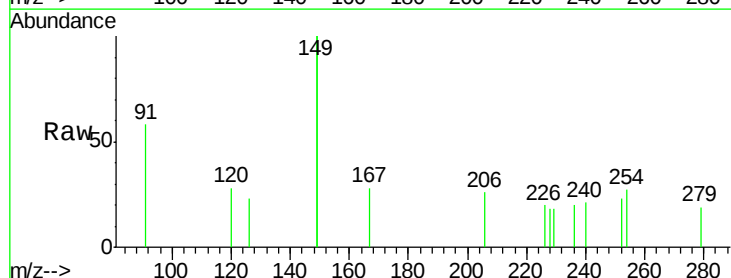
Tgt Ion:252 Resp: 60

Ion Ratio Lower Upper

252 100

254 114.1 61.5 92.3#

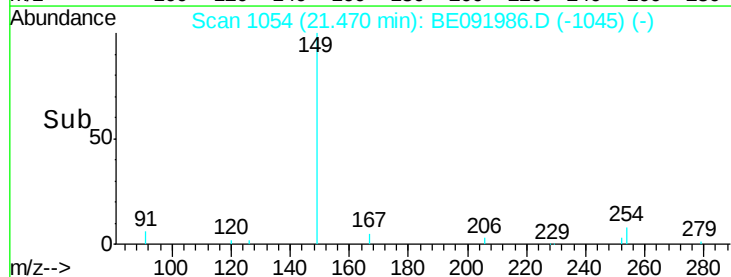
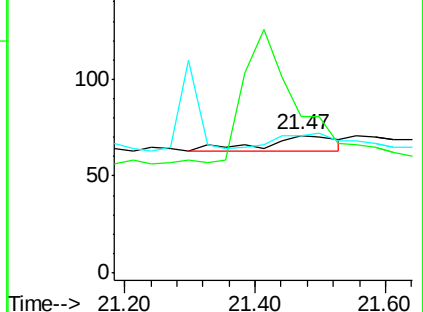
126 100.0 2.5 3.7#

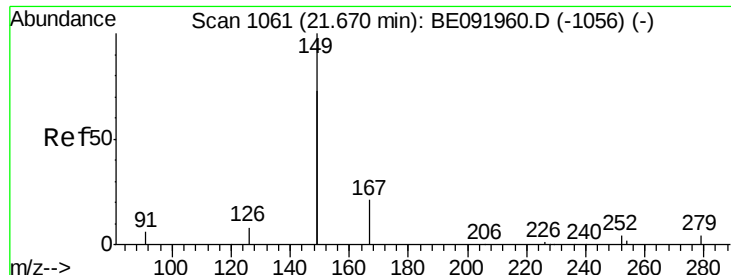


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

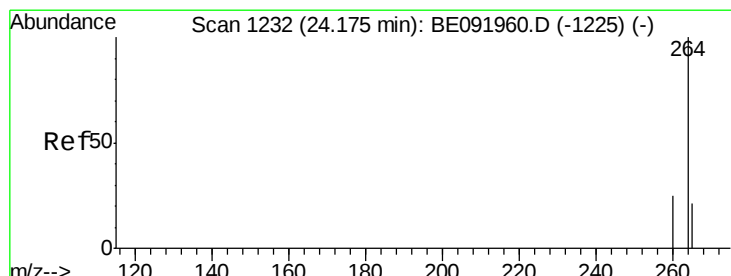
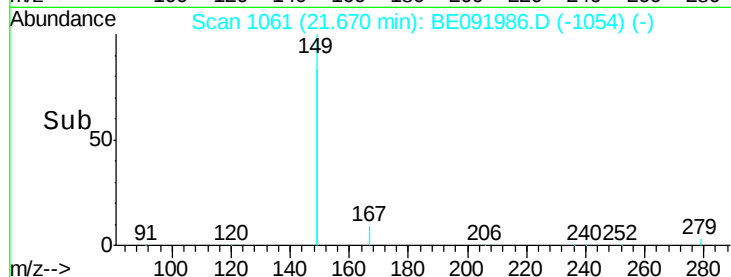
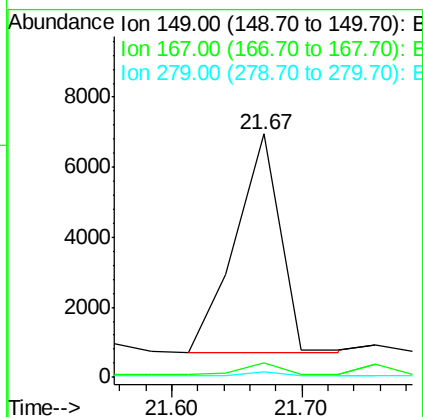
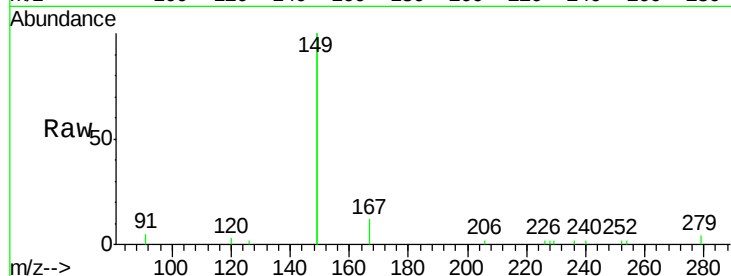




#38
 Bis(2-ethylhexyl)phthalate
 Concen: 0.07 ng
 RT: 21.67 min Scan# 1061
 Delta R.T. 0.00 min
 Lab File: BE091986.D
 Acq: 7 Jul 2016 18:23

Instrument :
 BNA_E
 ClientSampleId :
 FB-06202016

Tgt Ion:149 Resp: 14717
 Ion Ratio Lower Upper
 149 100
 167 4.7 0.0 0.0#
 279 1.3 0.0 0.0#



#40
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.17 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: BE091986.D
 Acq: 7 Jul 2016 18:23

Tgt Ion:264 Resp: 1034865
 Ion Ratio Lower Upper
 264 100
 260 26.9 20.3 30.5
 265 20.9 17.6 26.4

