

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE061516\
 Data File : BE091921.D
 Acq On : 15 Jun 2016 12:41
 Operator : UM/SJ
 Sample : PB91033BL
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB91033BL

Quant Time: Jun 15 14:19:30 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE061416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 15 12:00:38 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.20	152	45536	5.00	ng	0.00
8) Naphthalene-d8	11.02	136	197578	5.00	ng	0.02
15) Acenaphthene-d10	14.86	164	140460	5.00	ng	0.00
24) Phenanthrene-d10	17.61	188	307358	5.00	ng	0.00
31) Chrysene-d12	21.76	240	471668	5.00	ng	0.00
40) Perylene-d12	24.16	264	360289	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.72	112	60515	6.80	ng	0.00
5) Phenol-d6	7.37	99	81241	5.60	ng	0.02
9) Nitrobenzene-d5	9.36	82	46479	3.41	ng	0.00
16) 2,4,6-Tribromophenol	16.35	330	20308	5.58	ng	0.00
17) 2-Fluorobiphenyl	13.49	172	117590	3.30	ng	0.00
34) Terphenyl-d14	20.22	244	192931	3.34	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.56	88	19	0.00	ng	# 48
3) n-Nitrosodimethylamine	3.85	42	13	0.00	ng	# 71
6) bis(2-Chloroethyl)ether	7.63	93	16	0.00	ng	# 18
7) n-Nitroso-di-n-propylamine	9.36	70	5721	0.57	ng	# 88
10) Nitrobenzene	9.36	77	169	0.06	ng	# 54
11) bis(2-Chloroethoxy)methane	10.05	93	514	0.03	ng	# 1
12) Naphthalene	11.04	128	177	0.00	ng	# 1
13) Hexachlorobutadiene	11.34	225	1	0.00	ng	# 19
14) 2-Methylnaphthalene	12.70	142	70	0.00	ng	# 65
18) Acenaphthylene	14.59	152	224	0.00	ng	# 71
19) 2,6-Dinitrotoluene	14.10	165	1995	0.31	ng	# 10
20) Acenaphthene	14.86	154	649	0.02	ng	# 5
21) 2,4-Dinitrotoluene	14.86	165	67471	2.47	ng	# 1
22) Fluorene	15.91	166	66	0.00	ng	# 45
23) 4-Chlorophenyl-phenylether	15.59	204	422	0.02	ng	# 1
25) 4-Bromophenyl-phenylether	16.78	248	8	0.00	ng	# 87
26) Hexachlorobenzene	16.92	284	7	0.00	ng	# 32
28) Phenanthrene	17.64	178	165	0.00	ng	# 70
29) Anthracene	17.75	178	87	0.00	ng	# 86
30) Fluoranthene	19.65	202	448	0.00	ng	# 67
32) Benzdine	19.88	184	117	0.10	ng	# 1
33) Pyrene	20.02	202	585	0.00	ng	# 71
35) Benzo(a)anthracene	21.76	228	1718	0.02	ng	# 68
36) 3,3'-Dichlorobenzidine	21.70	252	27	0.00	ng	# 82
37) Chrysene	21.76	228	1737	0.02	ng	# 60
38) Bis(2-ethylhexyl)phthalate	21.67	149	1014	Below Cal		# 100
39) Indeno(1,2,3-cd)pyrene	26.74	276	752	0.00	ng	# 94
41) Benzo(b)fluoranthene	23.43	252	167	0.00	ng	# 1
42) Benzo(k)fluoranthene	23.48	252	141	0.00	ng	# 1
43) Benzo(a)pyrene	24.06	252	152	0.00	ng	# 1
44) Dibenzo(a,h)anthracene	26.74	278	172	0.00	ng	# 1
45) Benzo(g,h,i)perylene	27.49	276	593	0.00	ng	# 1

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QLast Update : Wed Jun 15 12:00:38 2016
Response via : Initial Calibration

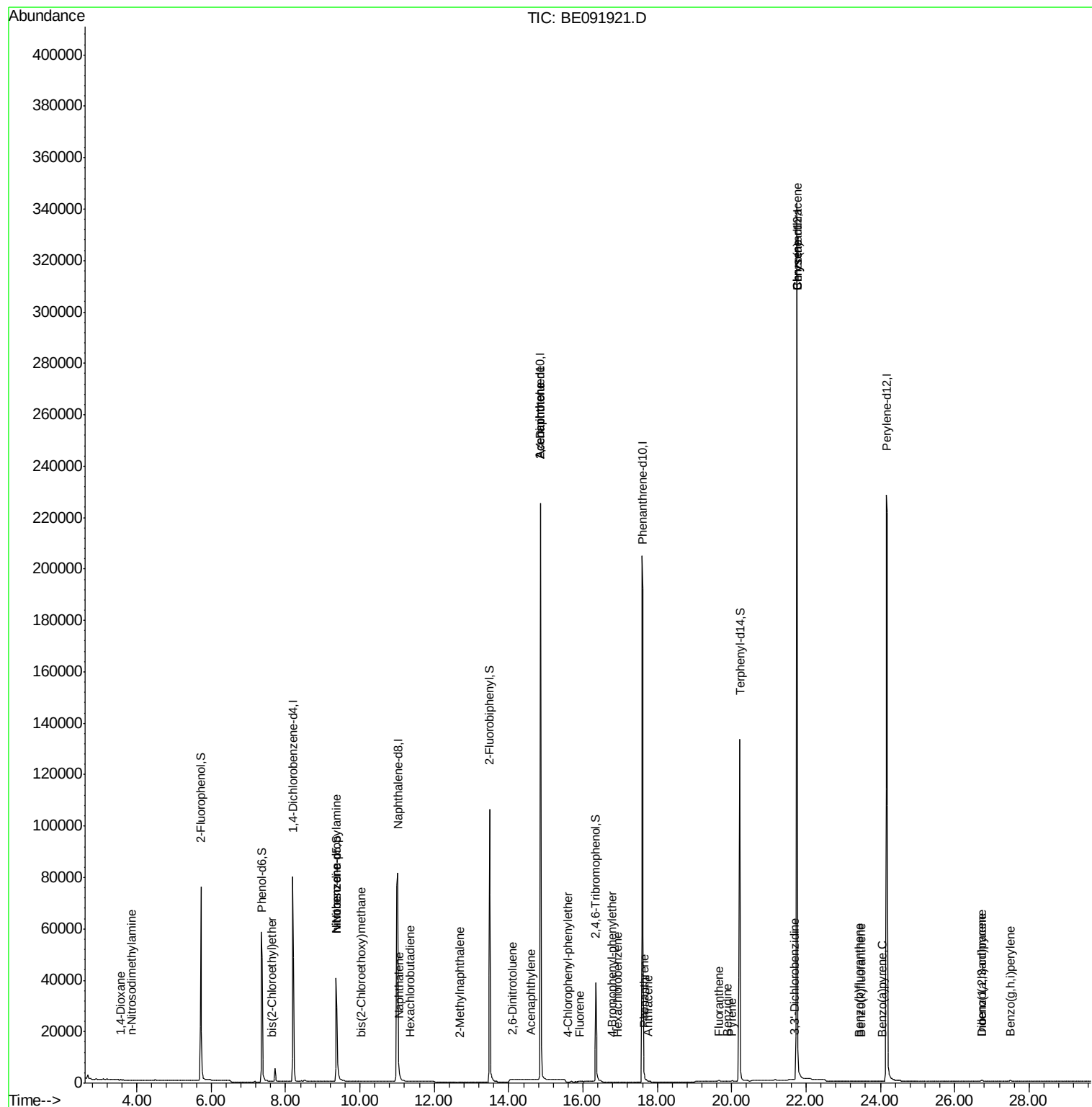
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

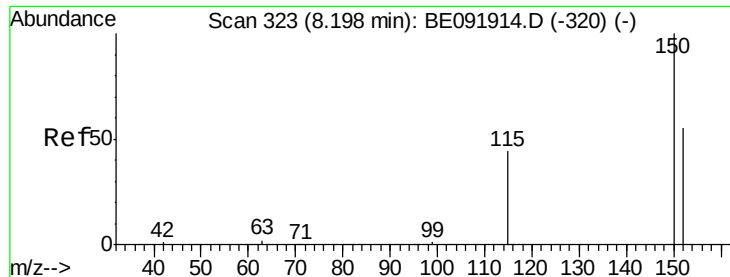
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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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: BE091921.D

Acq: 15 Jun 2016 12:41

Instrument :

BNA_E

ClientSampleId :

PB91033BL

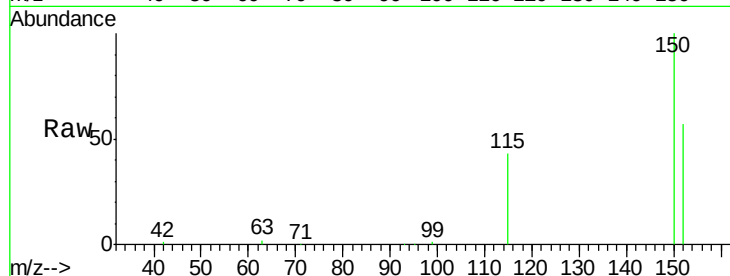
Tgt Ion: 152 Resp: 45536

Ion Ratio Lower Upper

152 100

150 176.2 123.9 185.9

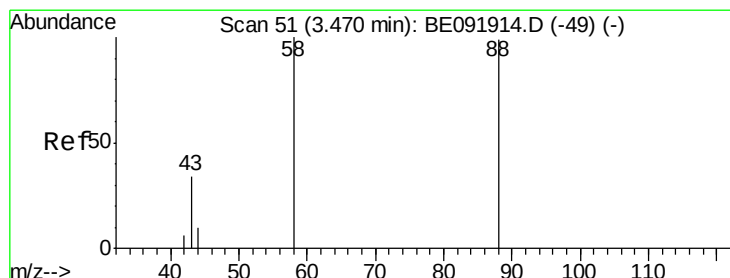
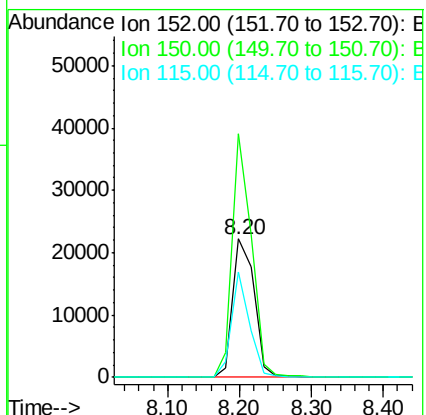
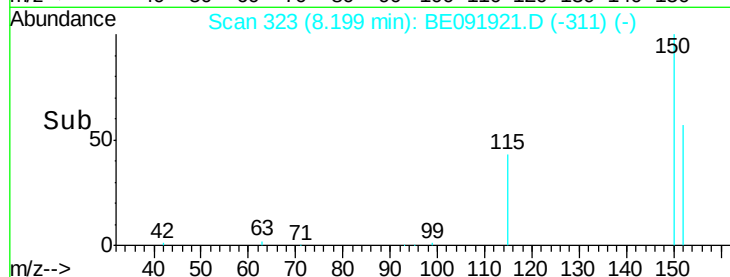
115 76.0 48.3 72.5#



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



#2

1,4-Dioxane

Concen: 0.00 ng

RT: 3.56 min Scan# 56

Delta R.T. 0.09 min

Lab File: BE091921.D

Acq: 15 Jun 2016 12:41

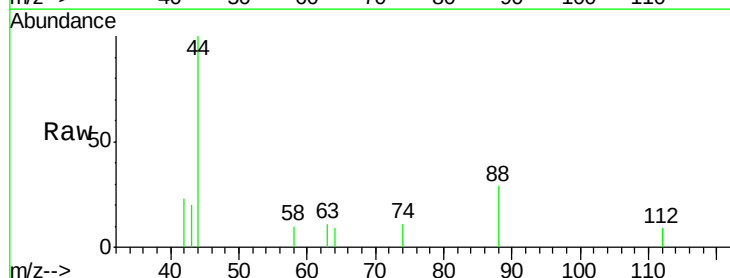
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

58 36.8 63.0 94.4#

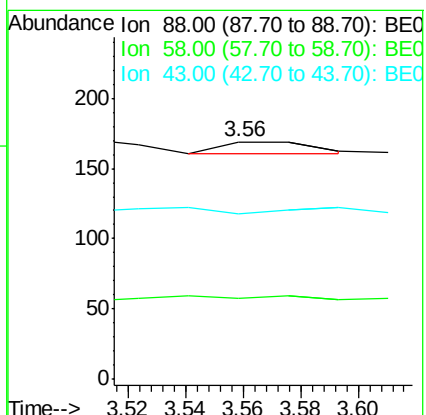
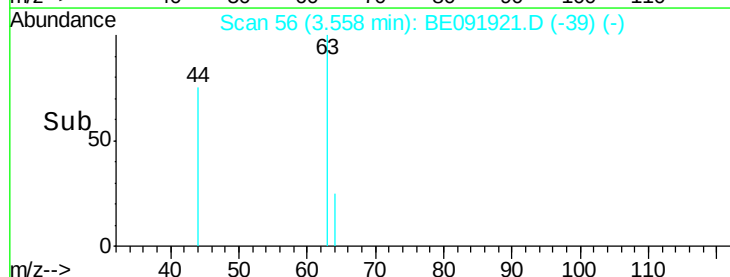
43 0.0 29.1 43.7#

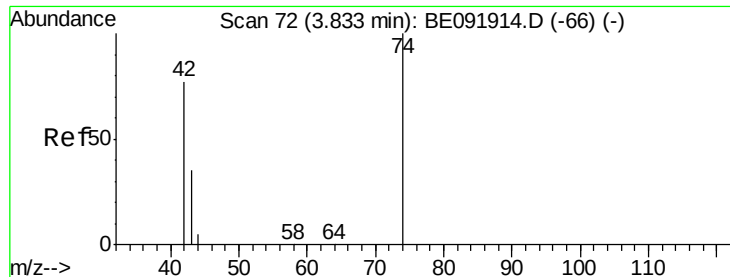


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.00 ng

RT: 3.85 min Scan# 73

Delta R.T. 0.05 min

Lab File: BE091921.D

Acq: 15 Jun 2016 12:41

Instrument :

BNA_E

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PB91033BL

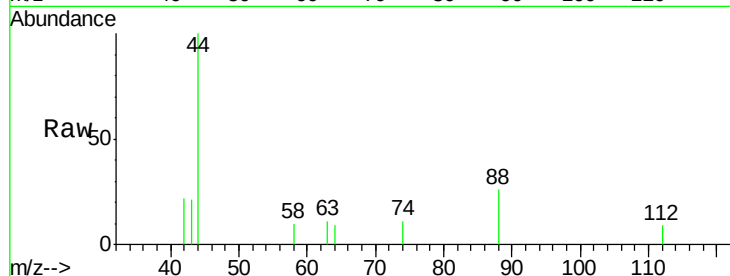
Tgt Ion: 42 Resp: 13

Ion Ratio Lower Upper

42 100

74 84.6 93.4 140.0#

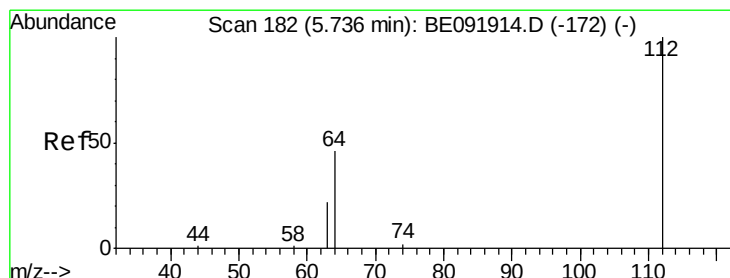
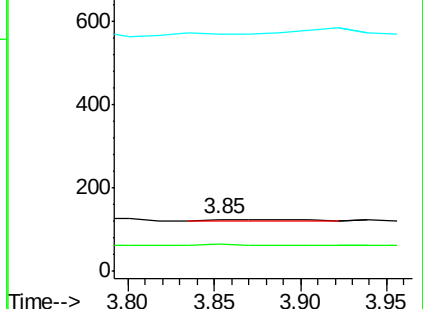
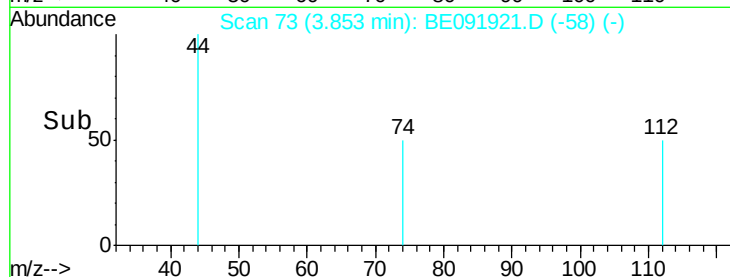
44 0.0 5.0 7.6#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 6.80 ng

RT: 5.72 min Scan# 181

Delta R.T. 0.00 min

Lab File: BE091921.D

Acq: 15 Jun 2016 12:41

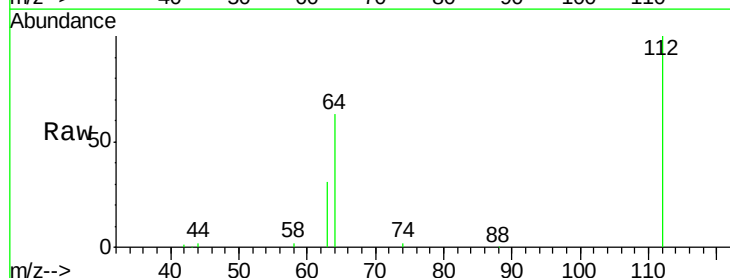
Tgt Ion: 112 Resp: 60515

Ion Ratio Lower Upper

112 100

64 66.4 53.7 80.5

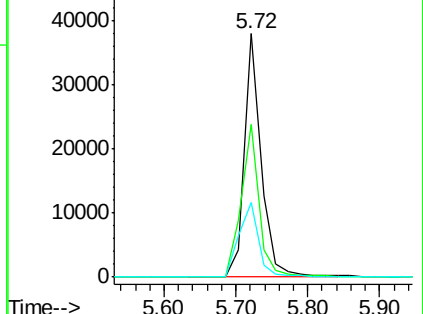
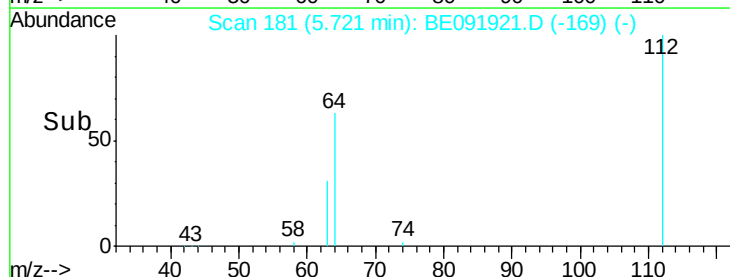
63 35.7 29.5 44.3

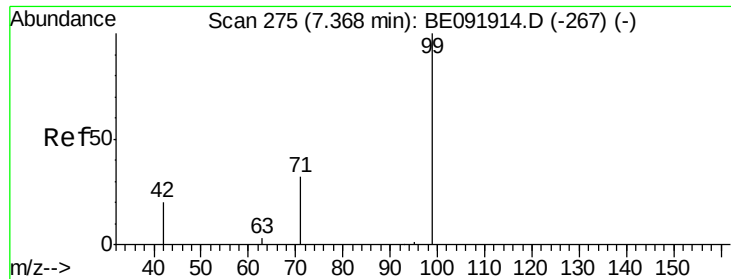


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 5.60 ng

RT: 7.37 min Scan# 275

Delta R.T. 0.02 min

Lab File: BE091921.D

Acq: 15 Jun 2016 12:41

Instrument :

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ClientSampleId :

PB91033BL

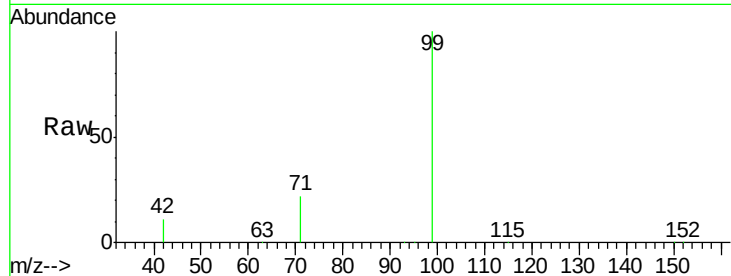
Tgt Ion: 99 Resp: 81241

Ion Ratio Lower Upper

99 100

42 25.7 19.6 29.4

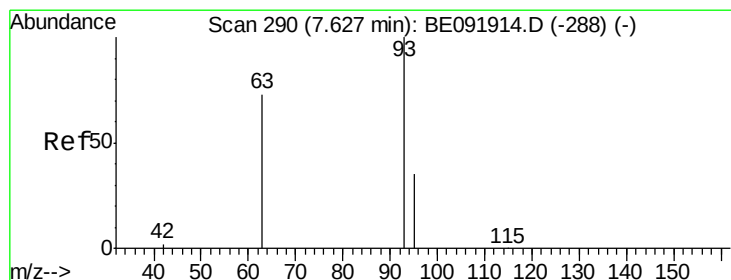
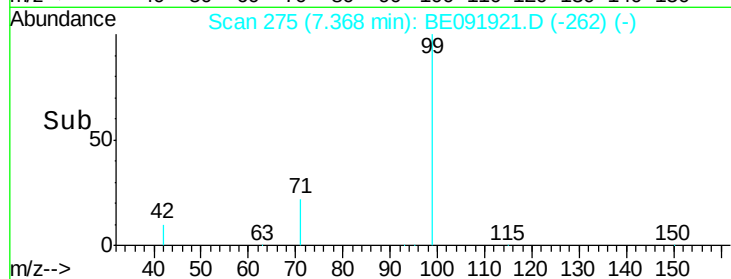
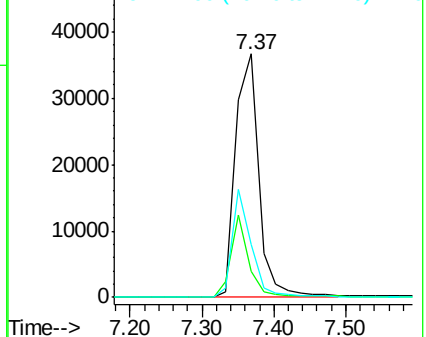
71 36.3 28.1 42.1



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: 0.00 ng

RT: 7.63 min Scan# 290

Delta R.T. 0.02 min

Lab File: BE091921.D

Acq: 15 Jun 2016 12:41

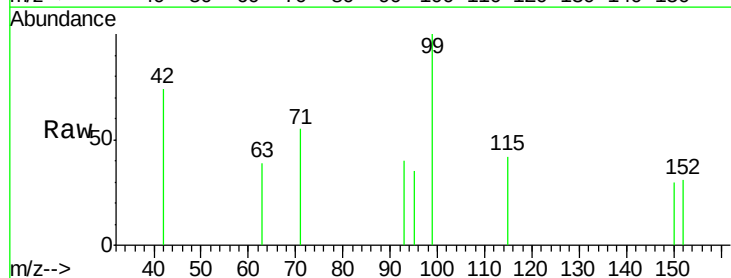
Tgt Ion: 93 Resp: 16

Ion Ratio Lower Upper

93 100

63 0.0 66.2 99.4#

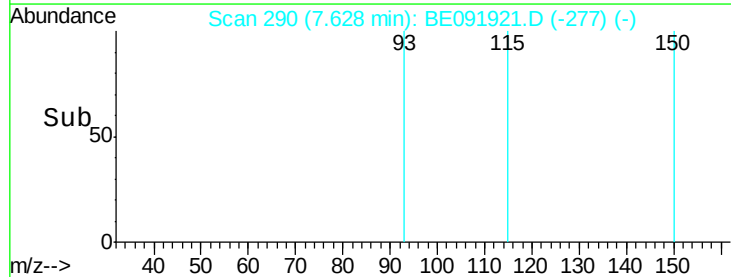
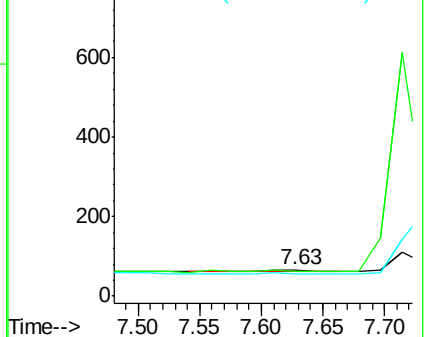
95 0.0 25.5 38.3#

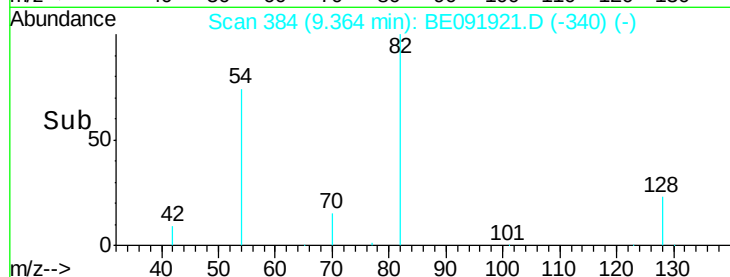
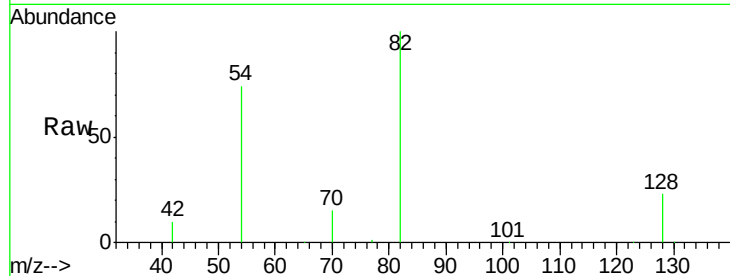
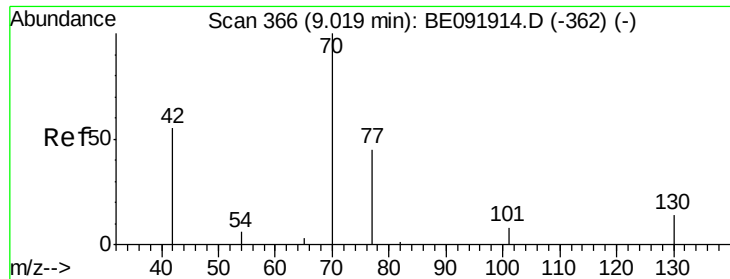


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 0.57 ng

RT: 9.36 min Scan# 384

Delta R.T. 0.36 min

Lab File: BE091921.D

Acq: 15 Jun 2016 12:41

Instrument :

BNA_E

ClientSampleId :

PB91033BL

Tgt Ion: 70 Resp: 5721

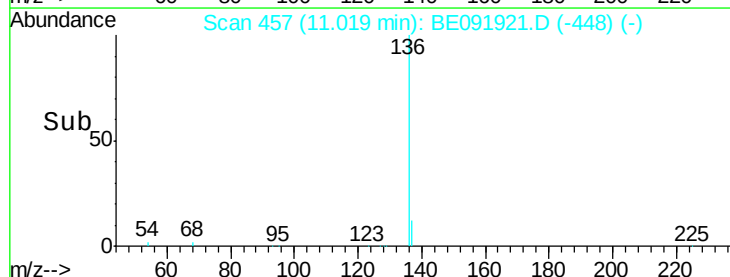
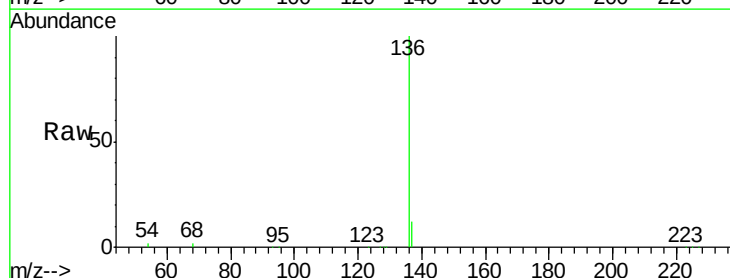
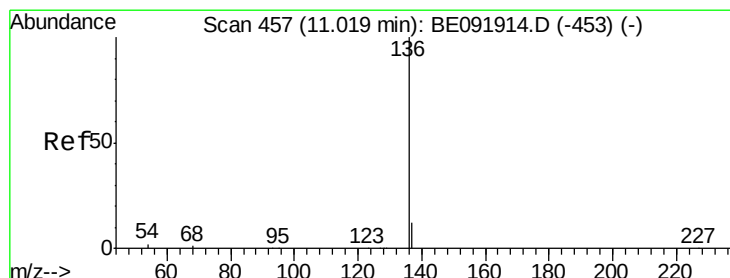
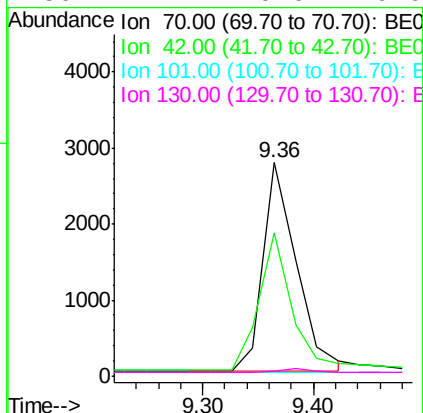
Ion Ratio Lower Upper

70 100

42 63.6 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: 11.02 min Scan# 457

Delta R.T. 0.02 min

Lab File: BE091921.D

Acq: 15 Jun 2016 12:41

Tgt Ion: 136 Resp: 197578

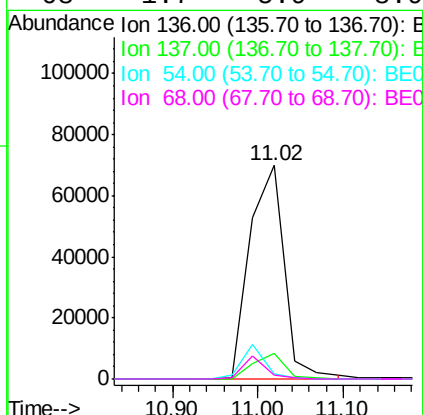
Ion Ratio Lower Upper

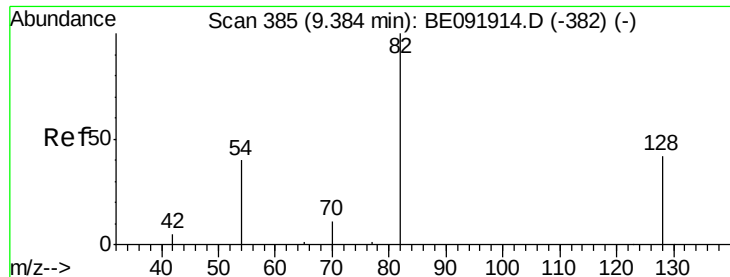
136 100

137 12.2 8.3 12.5

54 2.2 8.2 12.4#

68 1.7 5.9 8.9#





#9

Nitrobenzene-d5

Concen: 3.41 ng

RT: 9.36 min Scan# 384

Delta R.T. -0.00 min

Lab File: BE091921.D

Acq: 15 Jun 2016 12:41

Instrument :

BNA_E

ClientSampleId :

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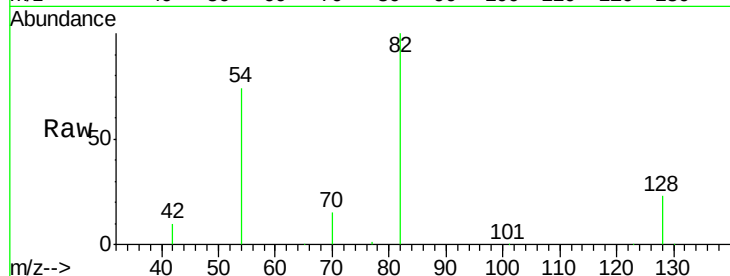
Tgt Ion: 82 Resp: 46479

Ion Ratio Lower Upper

82 100

128 22.6 39.5 59.3#

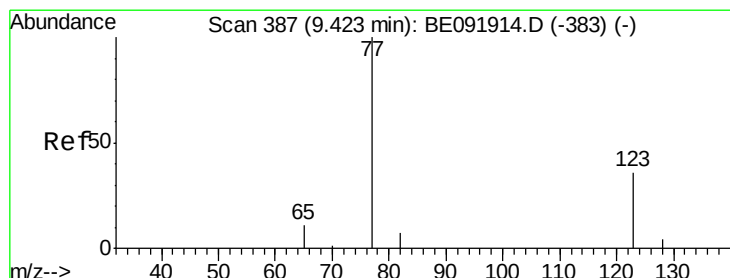
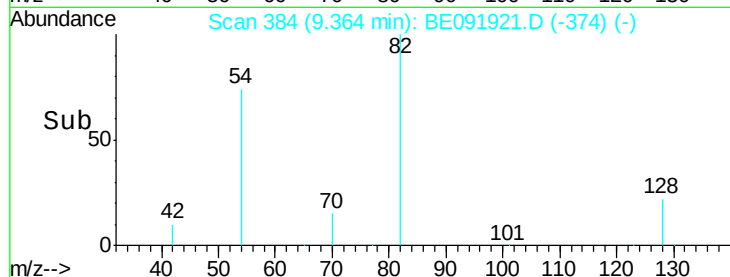
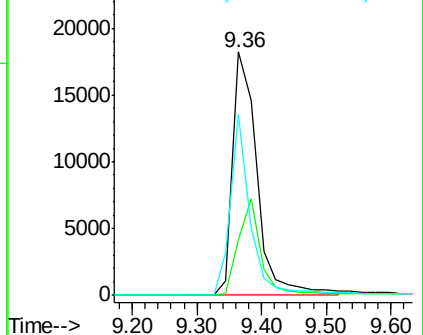
54 74.1 30.3 45.5#



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: 0.06 ng

RT: 9.36 min Scan# 384

Delta R.T. -0.04 min

Lab File: BE091921.D

Acq: 15 Jun 2016 12:41

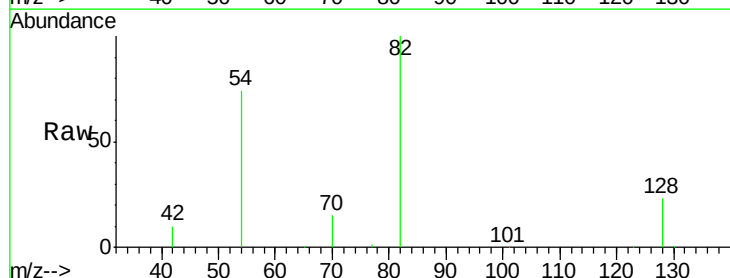
Tgt Ion: 77 Resp: 169

Ion Ratio Lower Upper

77 100

123 3.6 0.0 0.0#

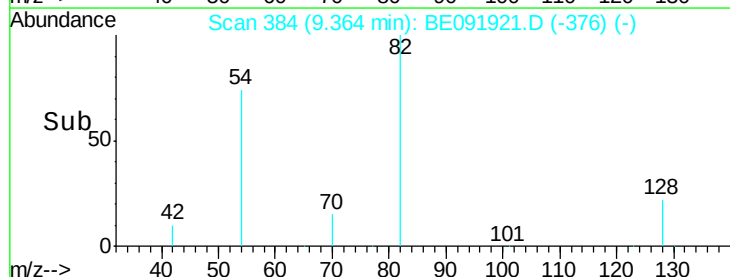
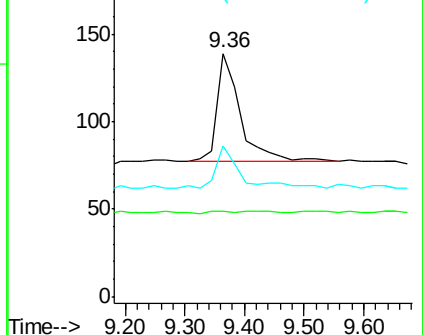
65 32.5 11.1 16.7#

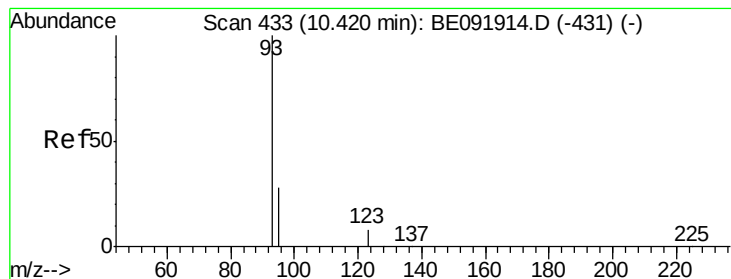


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0





#11

bis(2-Chloroethoxy)methane

Concen: 0.03 ng

RT: 10.05 min Scan# 418

Delta R.T. -0.37 min

Lab File: BE091921.D

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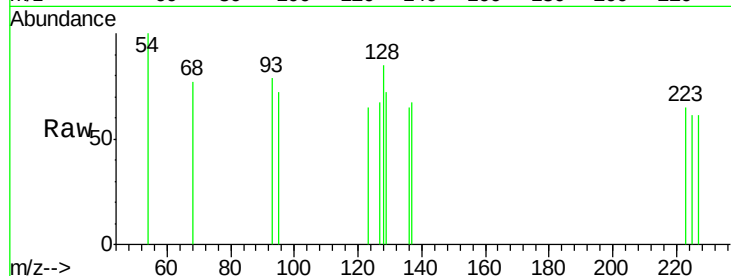
Tgt Ion: 93 Resp: 514

Ion Ratio Lower Upper

93 100

95 0.0 57.6 86.4#

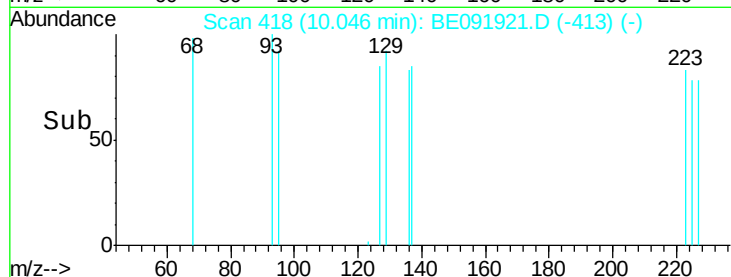
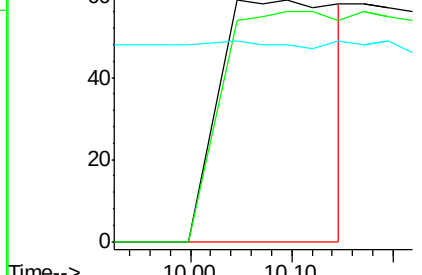
123 1.4 100.2 150.4#



Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 95.00 (94.70 to 95.70): BE0

Ion 123.00 (122.70 to 123.70): E



#12

Naphthalene

Concen: 0.00 ng

RT: 11.04 min Scan# 458

Delta R.T. -0.00 min

Lab File: BE091921.D

Acq: 15 Jun 2016 12:41

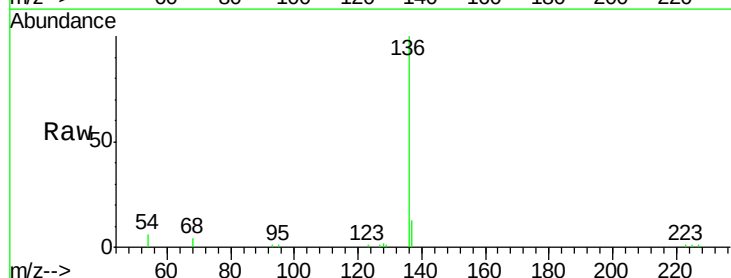
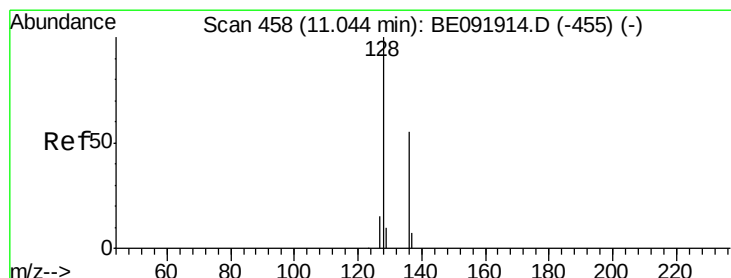
Tgt Ion: 128 Resp: 177

Ion Ratio Lower Upper

128 100

129 57.0 10.4 15.6#

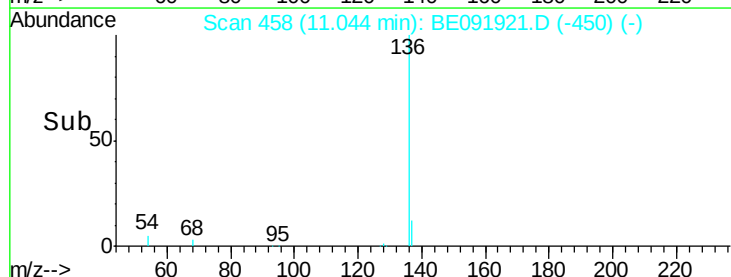
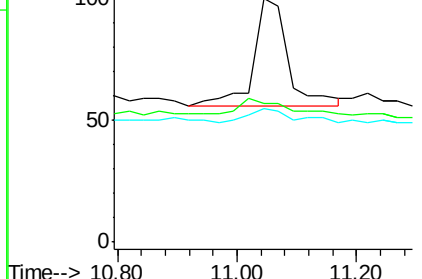
127 55.0 10.2 15.2#

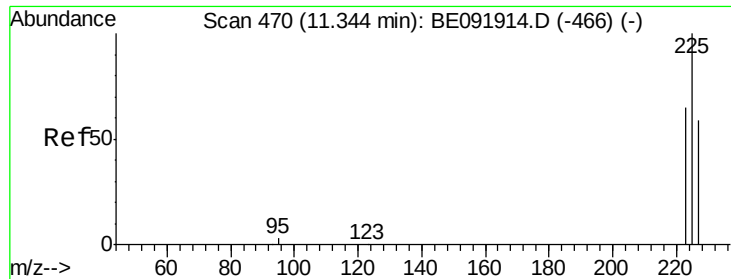


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

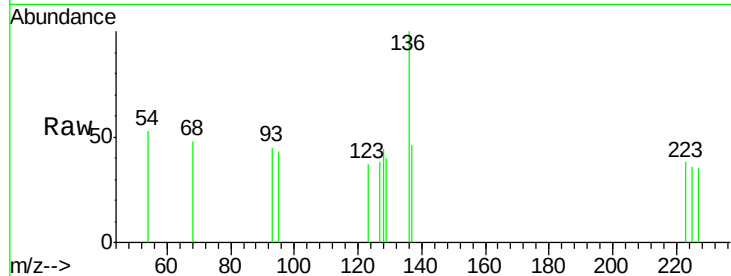




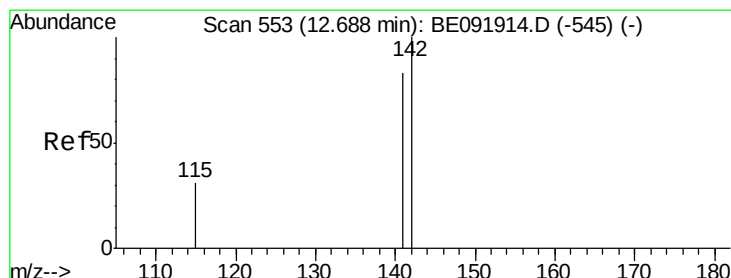
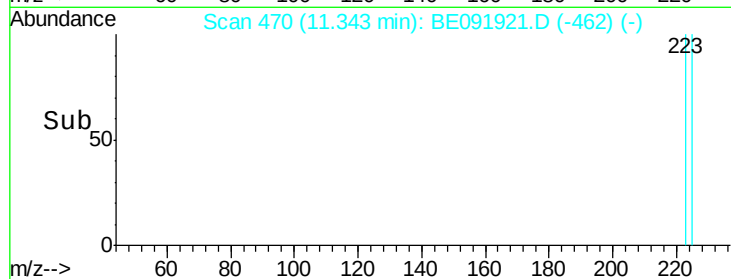
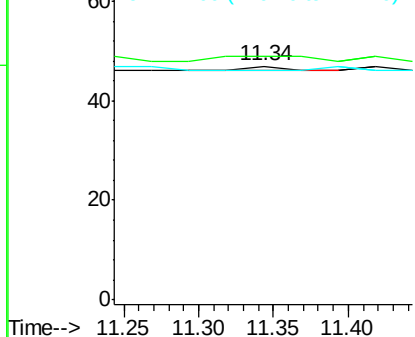
#13
Hexachlorobutadiene
Concen: 0.00 ng
RT: 11.34 min Scan# 470
Delta R.T. -0.00 min
Lab File: BE091921.D
Acq: 15 Jun 2016 12:41

Instrument :
BNA_E
ClientSampleId :
PB91033BL

Tgt Ion: 225 Resp: 1
Ion Ratio Lower Upper
225 100
223 0.0 49.8 74.8#
227 0.0 50.6 75.8#

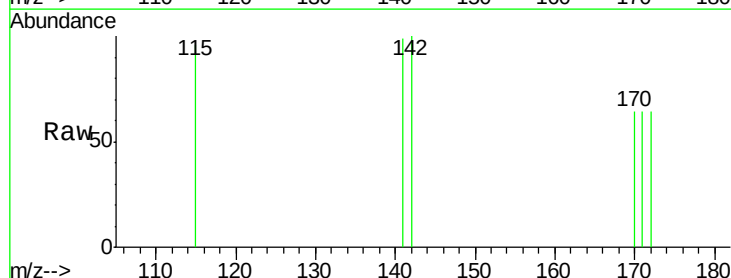


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

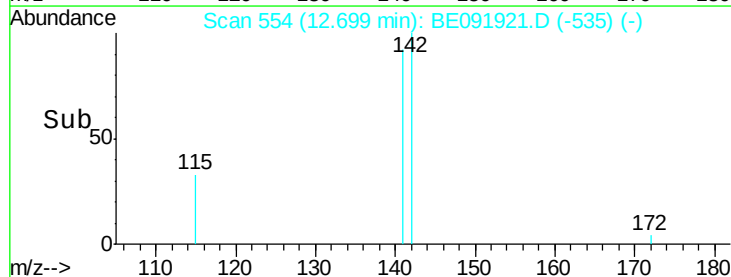
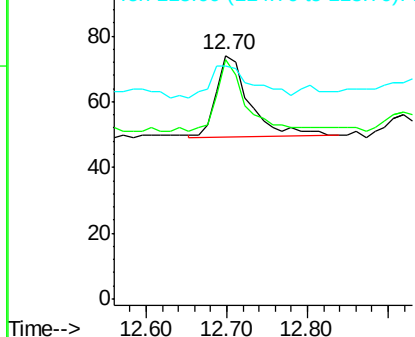


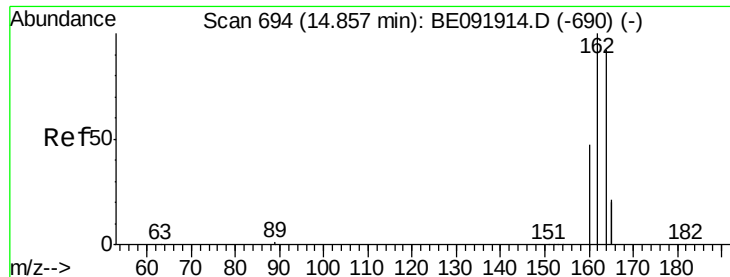
#14
2-Methylnaphthalene
Concen: 0.00 ng
RT: 12.70 min Scan# 554
Delta R.T. 0.02 min
Lab File: BE091921.D
Acq: 15 Jun 2016 12:41

Tgt Ion: 142 Resp: 70
Ion Ratio Lower Upper
142 100
141 98.6 71.9 107.9
115 95.9 29.9 44.9#



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





#15

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.86 min Scan# 694

Delta R.T. 0.00 min

Lab File: BE091921.D

Acq: 15 Jun 2016 12:41

Instrument :

BNA_E

ClientSampleId :

PB91033BL

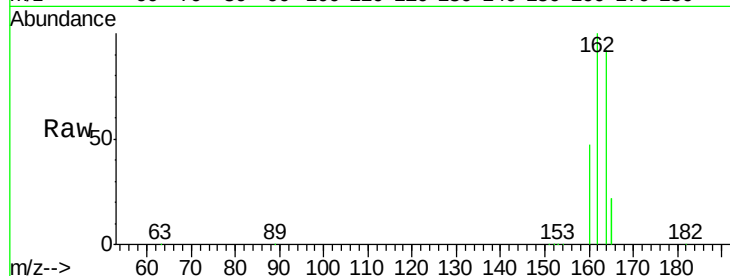
Tgt Ion:164 Resp: 140460

Ion Ratio Lower Upper

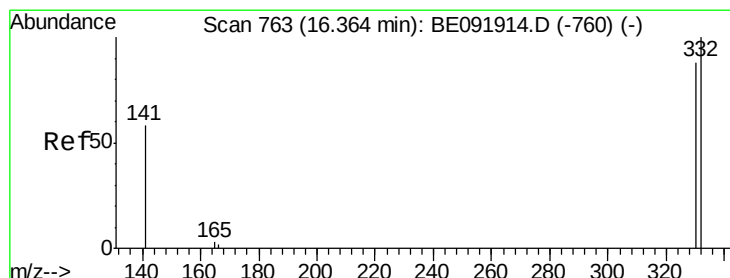
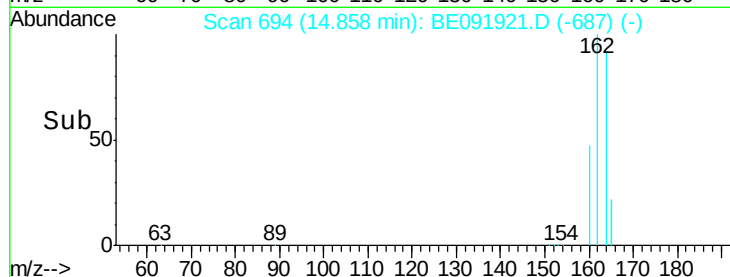
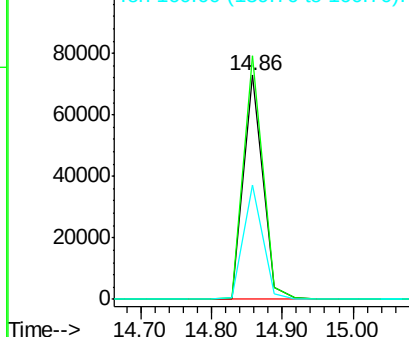
164 100

162 108.6 71.8 107.8#

160 50.9 28.0 42.0#



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



#16

2,4,6-Tribromophenol

Concen: 5.58 ng

RT: 16.35 min Scan# 762

Delta R.T. 0.00 min

Lab File: BE091921.D

Acq: 15 Jun 2016 12:41

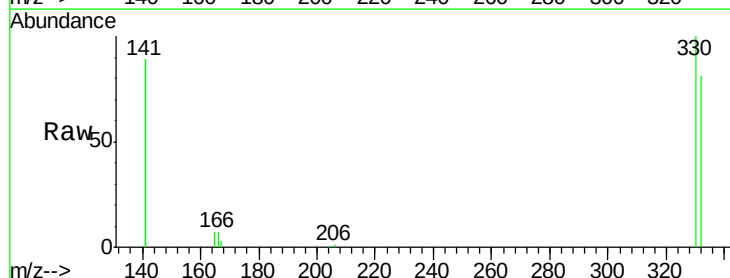
Tgt Ion:330 Resp: 20308

Ion Ratio Lower Upper

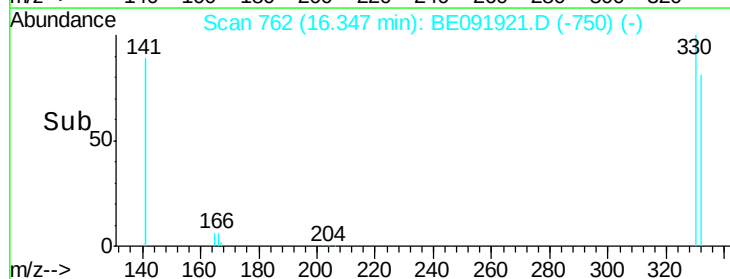
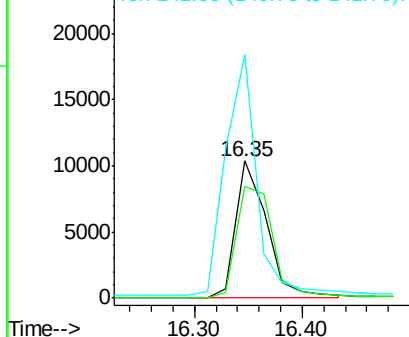
330 100

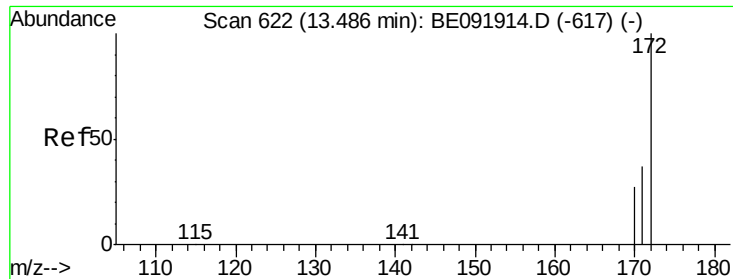
332 96.0 77.0 115.6

141 177.3 138.4 207.6



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

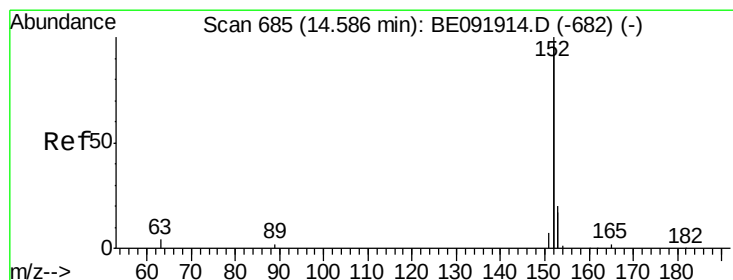
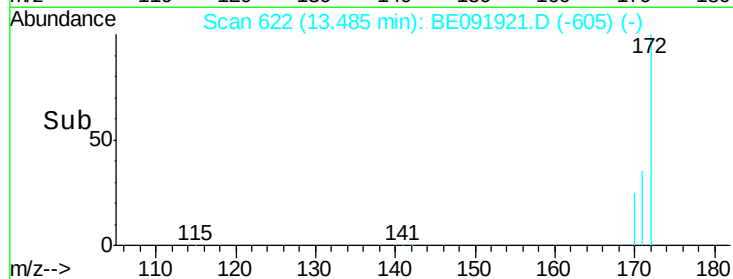
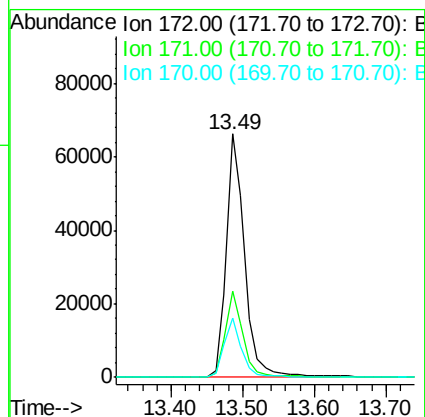
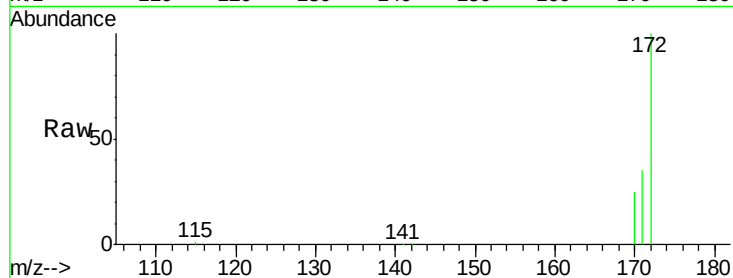




#17
2-Fluorobiphenyl
Concen: 3.30 ng
RT: 13.49 min Scan# 622
Delta R.T. 0.00 min
Lab File: BE091921.D
Acq: 15 Jun 2016 12:41

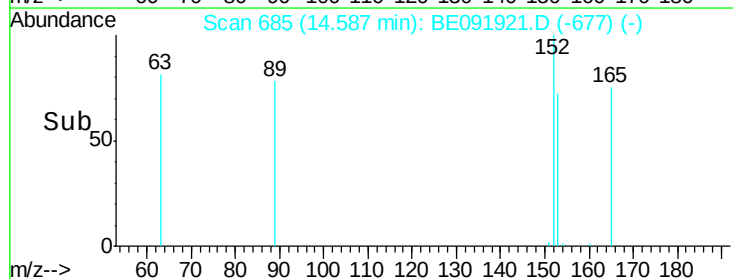
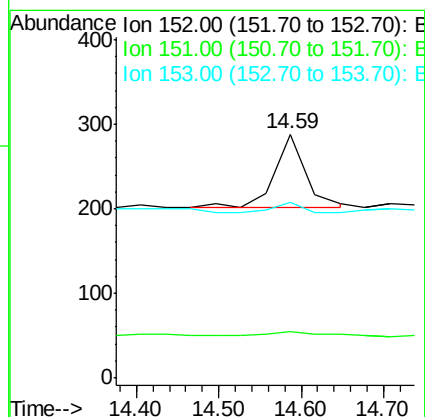
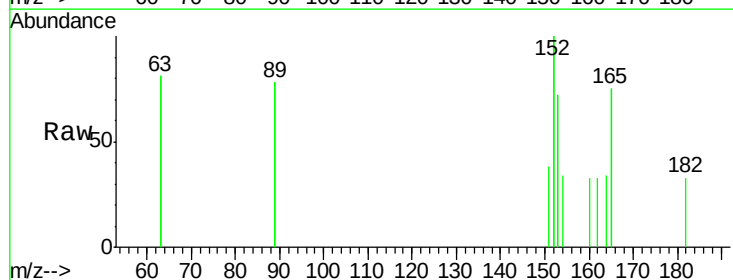
Instrument :
BNA_E
ClientSampleId :
PB91033BL

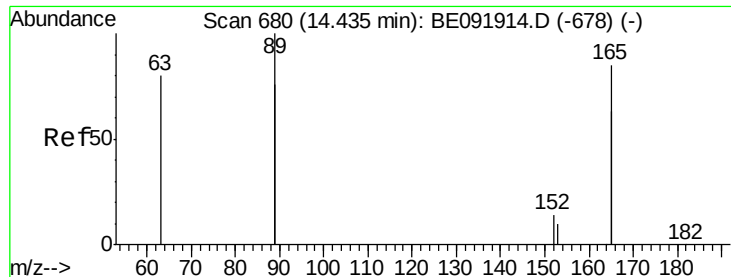
Tgt Ion:172 Resp: 117590
Ion Ratio Lower Upper
172 100
171 35.3 24.3 36.5
170 24.6 14.9 22.3#



#18
Acenaphthylene
Concen: 0.00 ng
RT: 14.59 min Scan# 685
Delta R.T. 0.03 min
Lab File: BE091921.D
Acq: 15 Jun 2016 12:41

Tgt Ion:152 Resp: 224
Ion Ratio Lower Upper
152 100
151 4.9 19.4 29.2#
153 11.2 14.4 21.6#

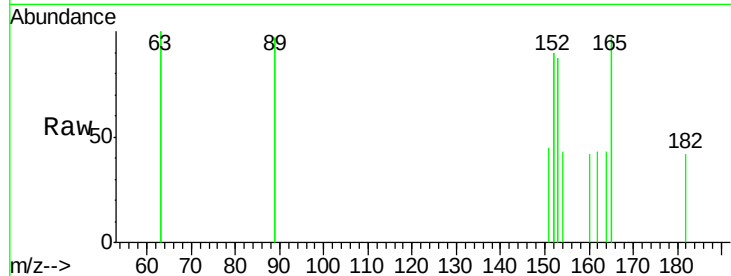




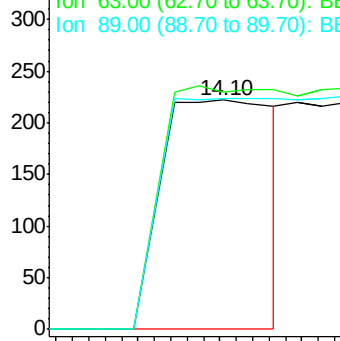
#19
2,6-Dinitrotoluene
Concen: 0.31 ng
RT: 14.10 min Scan# 669
Delta R.T. -0.33 min
Lab File: BE091921.D
Acq: 15 Jun 2016 12:41

Instrument :
BNA_E
ClientSampleId :
PB91033BL

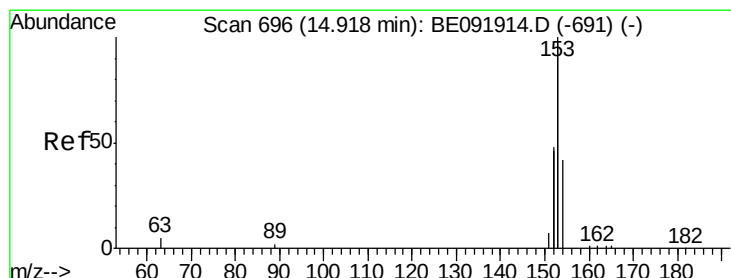
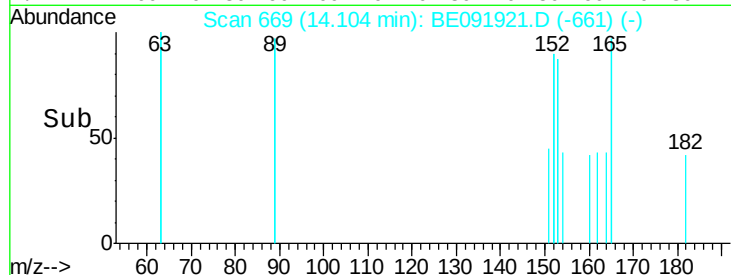
Tgt Ion:165 Resp: 1995
Ion Ratio Lower Upper
165 100
63 0.0 65.9 98.9#
89 0.0 59.1 88.7#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BE0
Ion 89.00 (88.70 to 89.70): BE0

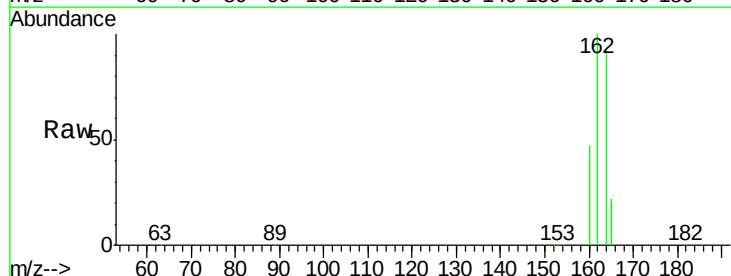


Time--> 13.90 14.00 14.10 14.20

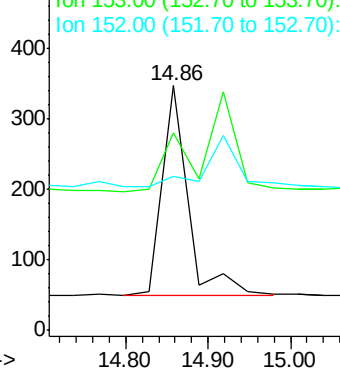


#20
Acenaphthene
Concen: 0.02 ng
RT: 14.86 min Scan# 694
Delta R.T. -0.06 min
Lab File: BE091921.D
Acq: 15 Jun 2016 12:41

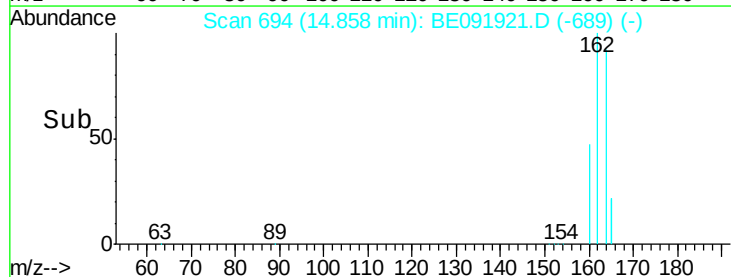
Tgt Ion:154 Resp: 649
Ion Ratio Lower Upper
154 100
153 0.0 88.1 132.1#
152 0.0 44.2 66.2#

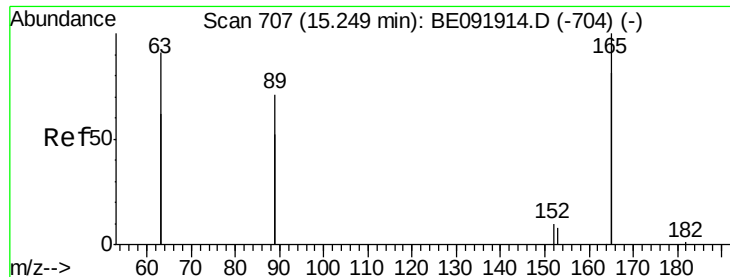


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



Time--> 14.80 14.90 15.00

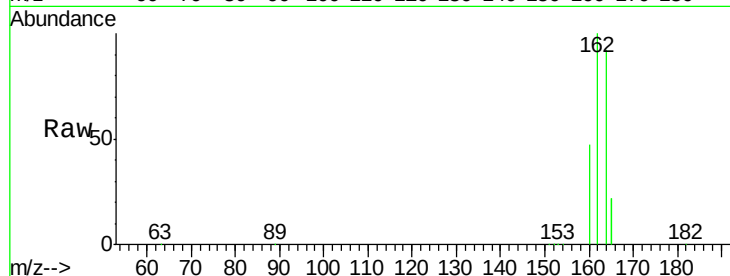




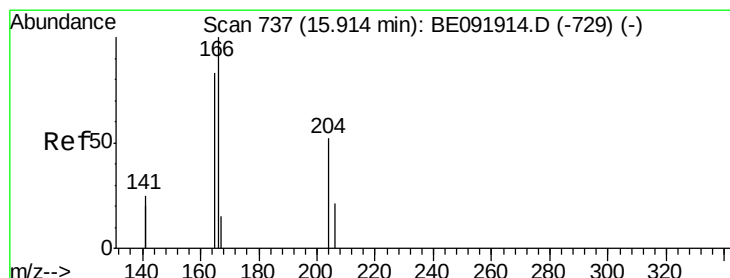
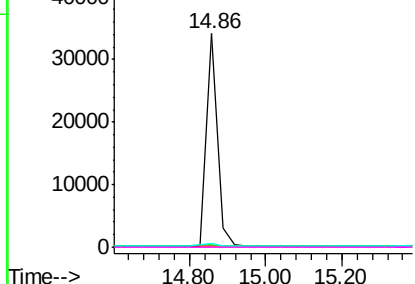
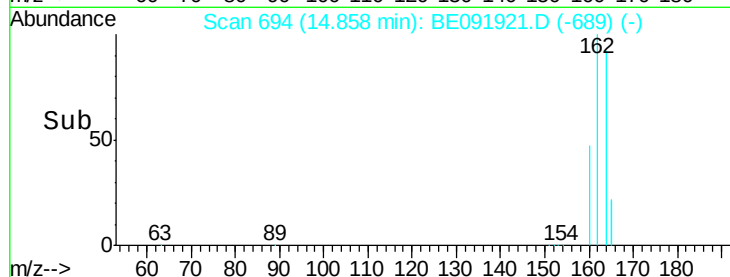
#21
2,4-Dinitrotoluene
Concen: 2.47 ng
RT: 14.86 min Scan# 694
Delta R.T. -0.36 min
Lab File: BE091921.D
Acq: 15 Jun 2016 12:41

Instrument :
BNA_E
ClientSampleId :
PB91033BL

Tgt Ion:165 Resp: 67471
Ion Ratio Lower Upper
165 100
63 1.5 0.0 0.0#
89 1.7 99.8 149.8#
182 0.0 0.0 0.0

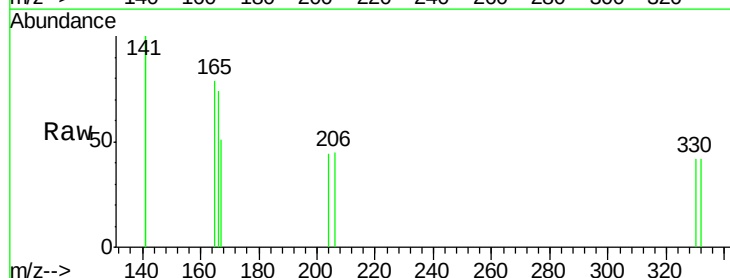


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BE0
Ion 89.00 (88.70 to 89.70): BE0
Ion 182.00 (181.70 to 182.70): E

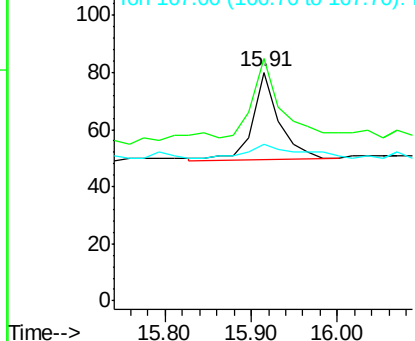
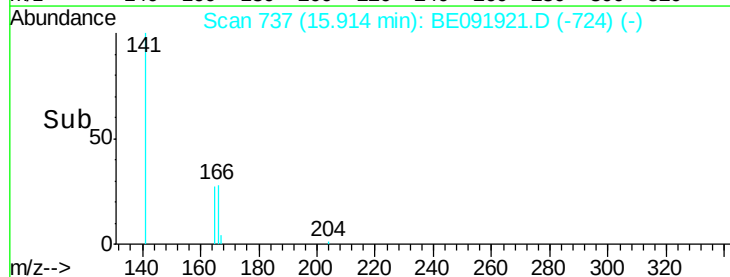


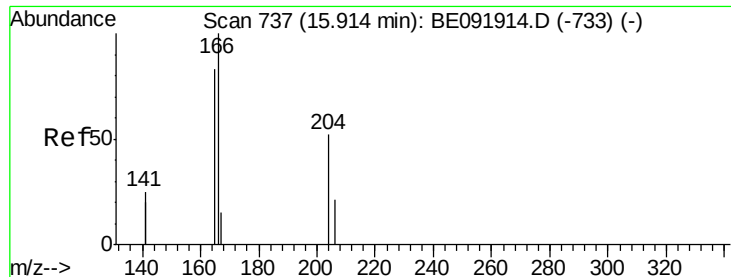
#22
Fluorene
Concen: 0.00 ng
RT: 15.91 min Scan# 737
Delta R.T. 0.02 min
Lab File: BE091921.D
Acq: 15 Jun 2016 12:41

Tgt Ion:166 Resp: 66
Ion Ratio Lower Upper
166 100
165 154.5 78.6 117.8#
167 30.3 10.8 16.2#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#23

4-Chlorophenyl-phenylether

Concen: 0.02 ng

RT: 15.59 min Scan# 718

Delta R.T. -0.31 min

Lab File: BE091921.D

Acq: 15 Jun 2016 12:41

Instrument :

BNA_E

ClientSampleId :

PB91033BL

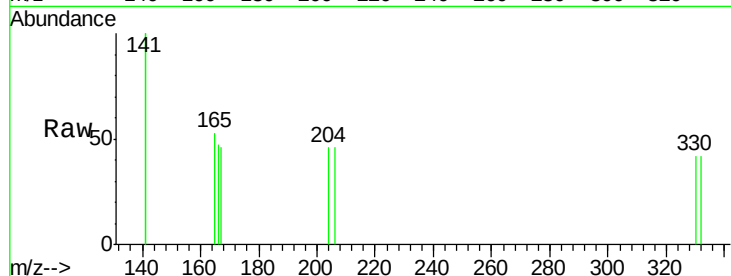
Tgt Ion: 204 Resp: 422

Ion Ratio Lower Upper

204 100

206 0.0 27.8 41.6#

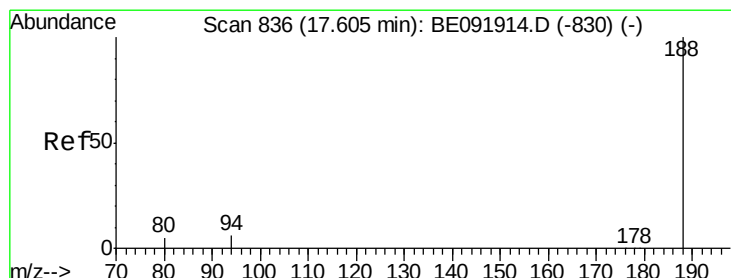
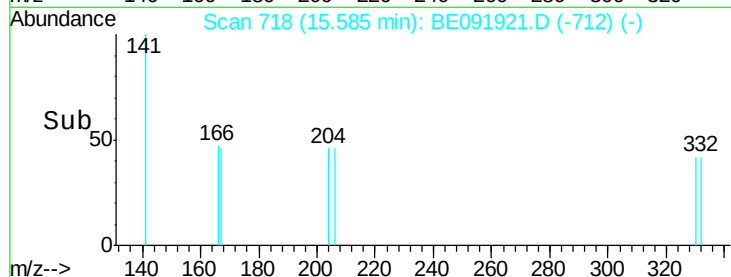
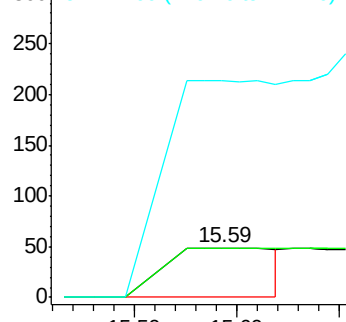
141 0.0 197.6 296.4#



Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#24

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.61 min Scan# 836

Delta R.T. 0.00 min

Lab File: BE091921.D

Acq: 15 Jun 2016 12:41

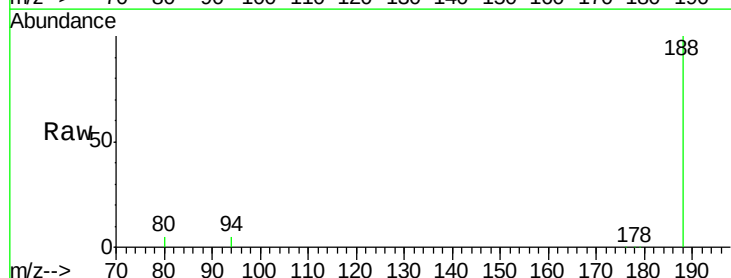
Tgt Ion: 188 Resp: 307358

Ion Ratio Lower Upper

188 100

94 5.5 4.1 6.1

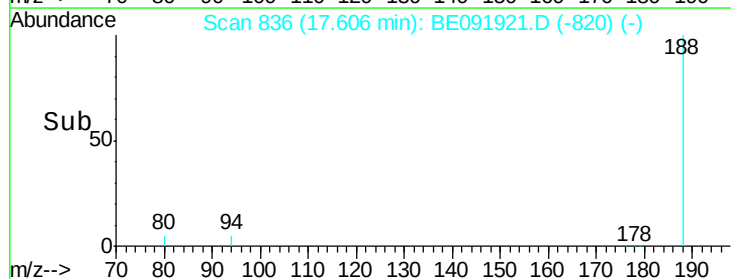
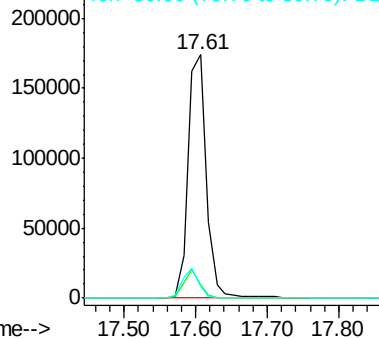
80 4.7 3.4 5.2

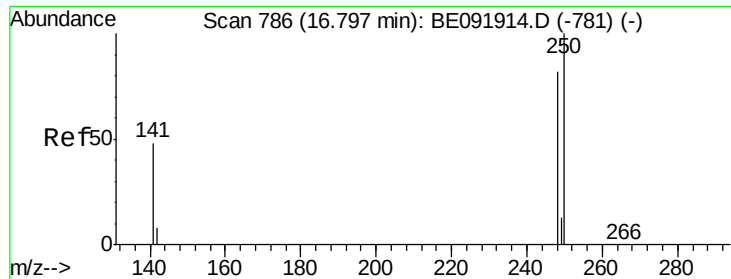


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

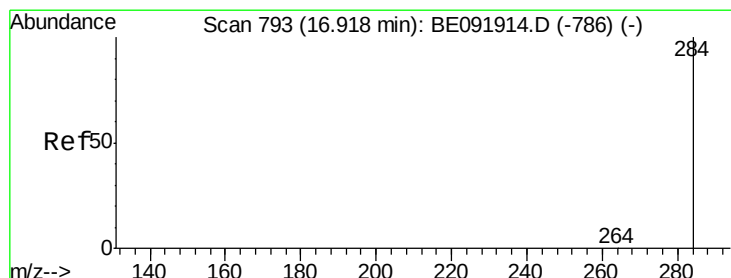
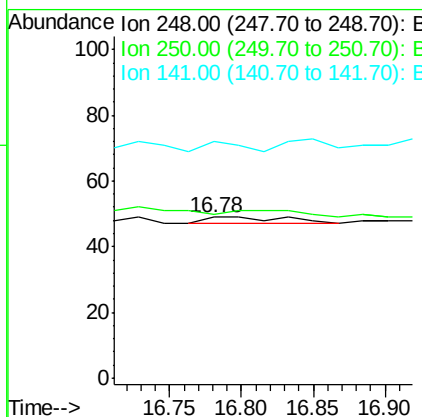
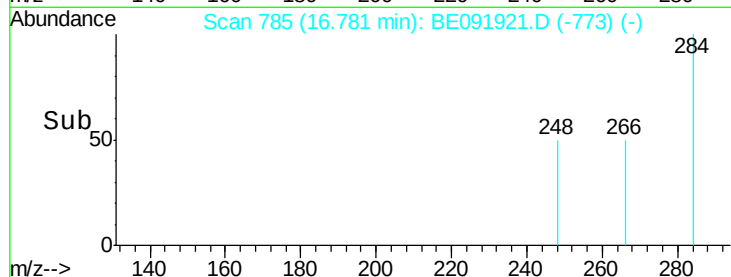
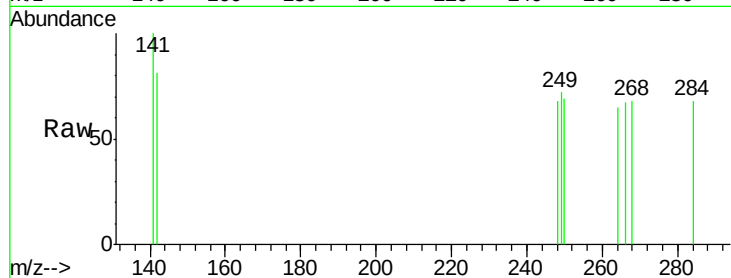




#25
4-Bromophenyl-phenylether
Concen: 0.00 ng
RT: 16.78 min Scan# 785
Delta R.T. 0.00 min
Lab File: BE091921.D
Acq: 15 Jun 2016 12:41

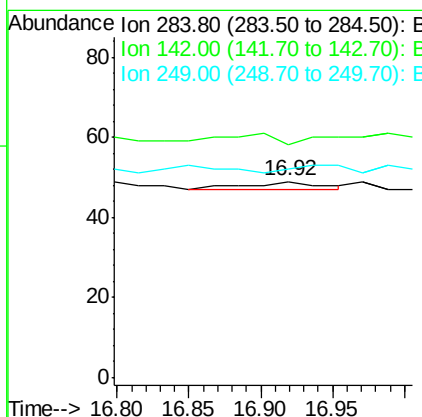
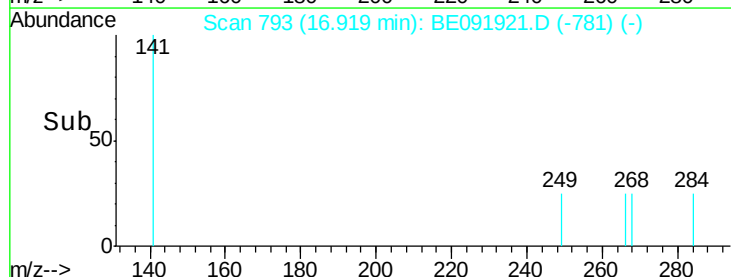
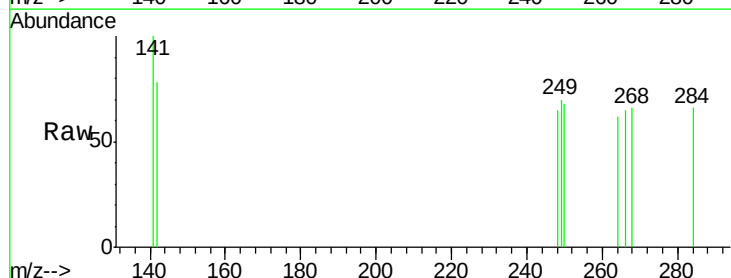
Instrument :
BNA_E
ClientSampleId :
PB91033BL

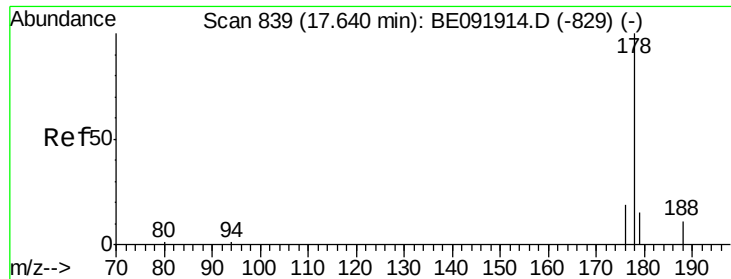
Tgt Ion:248 Resp: 8
Ion Ratio Lower Upper
248 100
250 87.5 75.7 113.5
141 62.5 64.6 97.0#



#26
Hexachlorobenzene
Concen: 0.00 ng
RT: 16.92 min Scan# 793
Delta R.T. 0.00 min
Lab File: BE091921.D
Acq: 15 Jun 2016 12:41

Tgt Ion:284 Resp: 7
Ion Ratio Lower Upper
284 100
142 0.0 31.4 47.2#
249 71.4 25.3 37.9#

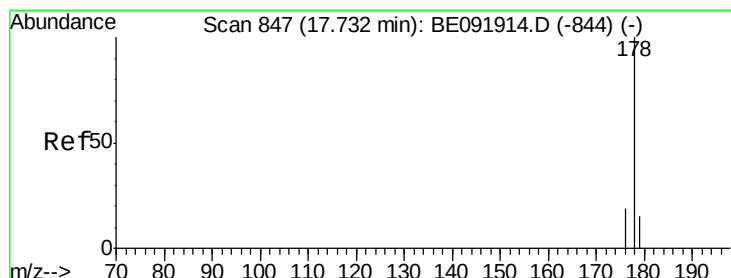
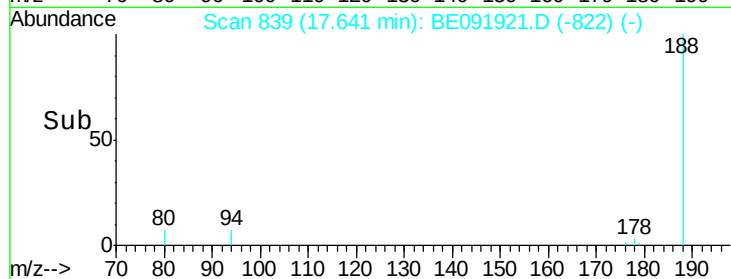
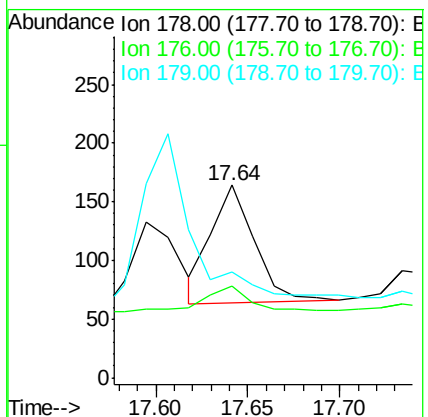
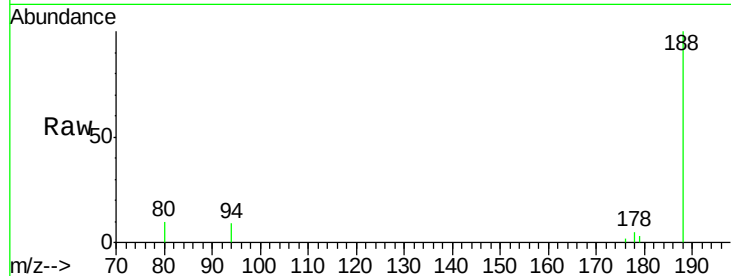




#28
Phenanthrene
Concen: 0.00 ng
RT: 17.64 min Scan# 839
Delta R.T. 0.00 min
Lab File: BE091921.D
Acq: 15 Jun 2016 12:41

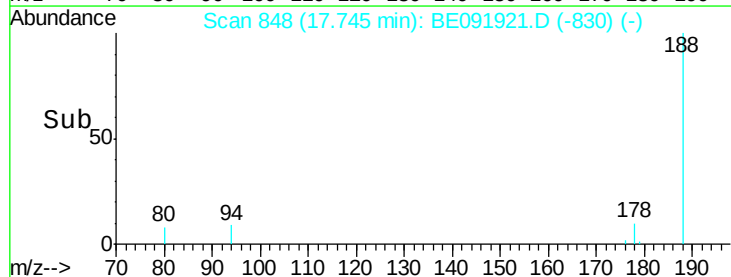
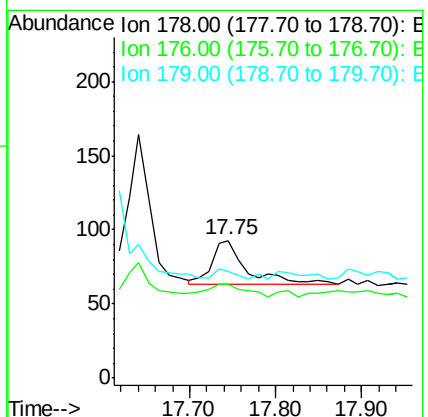
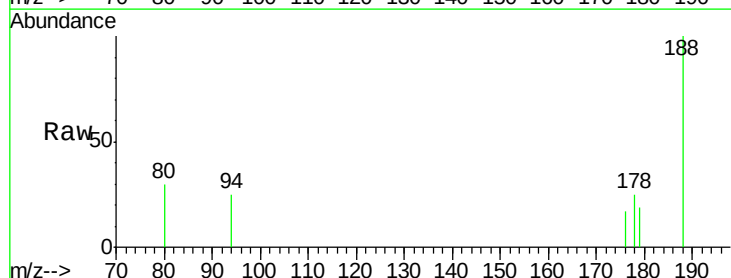
Instrument :
BNA_E
ClientSampleId :
PB91033BL

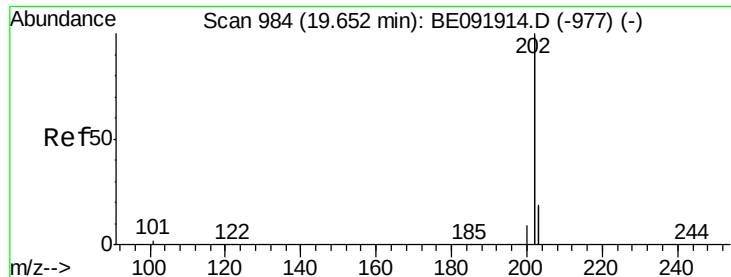
Tgt Ion:178 Resp: 165
Ion Ratio Lower Upper
178 100
176 29.7 15.4 23.2#
179 0.0 12.9 19.3#



#29
Anthracene
Concen: 0.00 ng
RT: 17.75 min Scan# 848
Delta R.T. 0.01 min
Lab File: BE091921.D
Acq: 15 Jun 2016 12:41

Tgt Ion:178 Resp: 87
Ion Ratio Lower Upper
178 100
176 28.7 15.1 22.7#
179 13.8 12.1 18.1

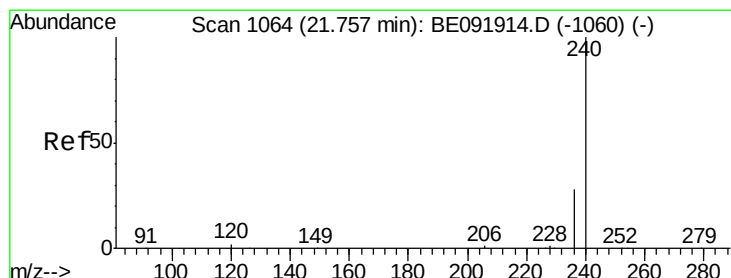
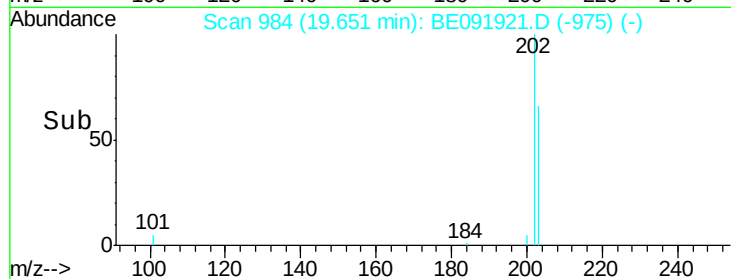
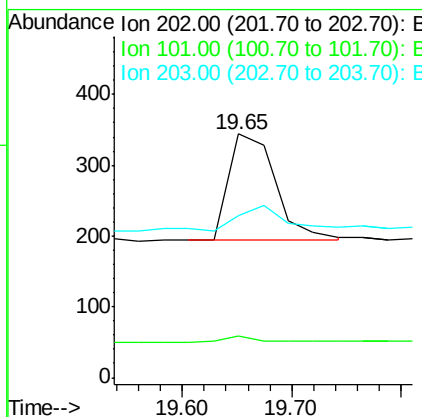
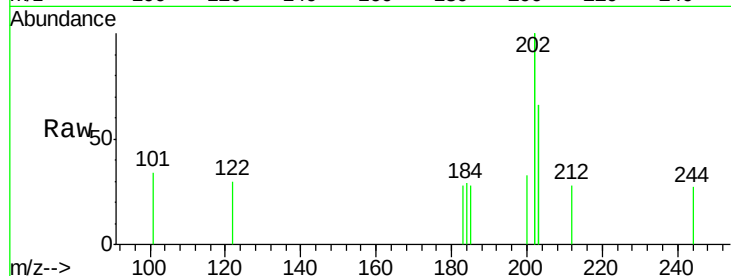




#30
Fluoranthene
Concen: 0.00 ng
RT: 19.65 min Scan# 984
Delta R.T. 0.00 min
Lab File: BE091921.D
Acq: 15 Jun 2016 12:41

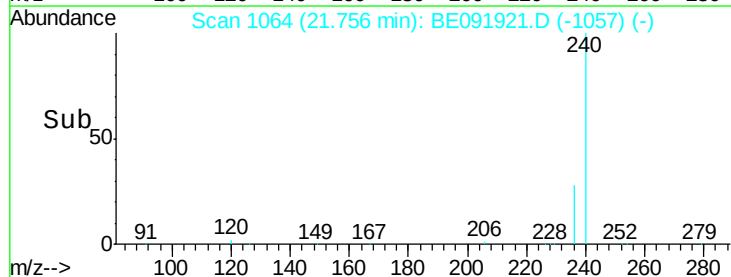
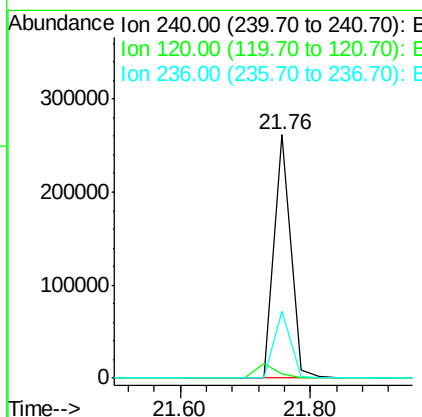
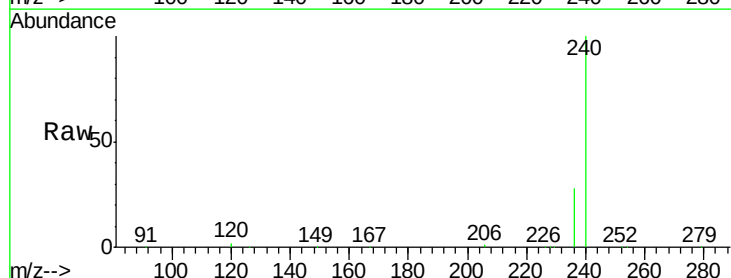
Instrument :
BNA_E
ClientSampleId :
PB91033BL

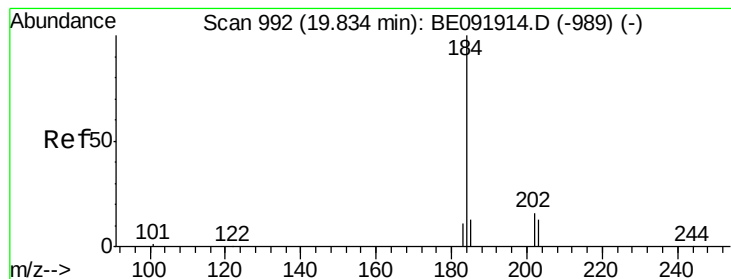
Tgt Ion:202 Resp: 448
Ion Ratio Lower Upper
202 100
101 3.3 9.4 14.0#
203 0.0 14.3 21.5#



#31
Chrysene-d12
Concen: 5.00 ng
RT: 21.76 min Scan# 1064
Delta R.T. -0.00 min
Lab File: BE091921.D
Acq: 15 Jun 2016 12:41

Tgt Ion:240 Resp: 471668
Ion Ratio Lower Upper
240 100
120 1.8 1.2 1.8#
236 27.5 19.8 29.8





#32

Benzidine

Concen: 0.10 ng

RT: 19.88 min Scan# 994

Delta R.T. 0.05 min

Lab File: BE091921.D

Acq: 15 Jun 2016 12:41

Instrument :

BNA_E

ClientSampleId :

PB91033BL

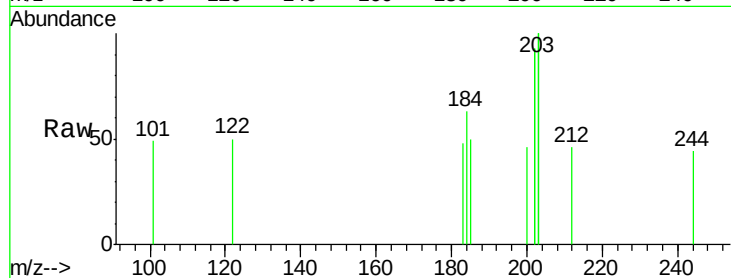
Tgt Ion:184 Resp: 117

Ion Ratio Lower Upper

184 100

185 78.8 11.4 17.2#

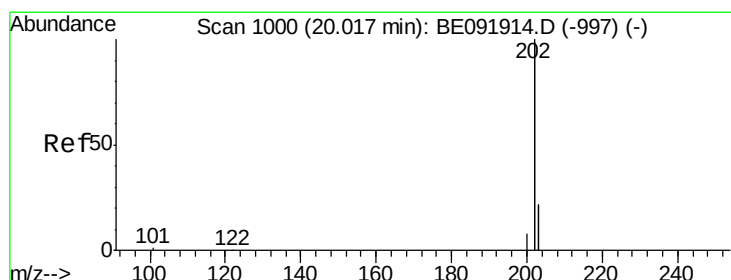
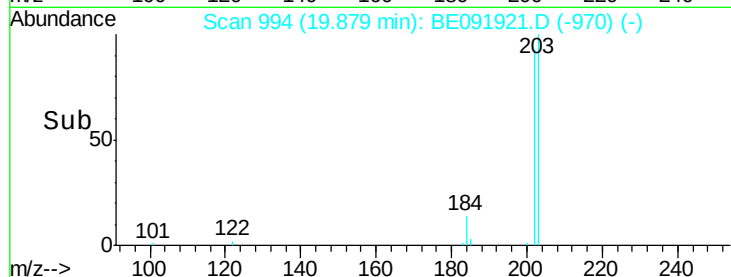
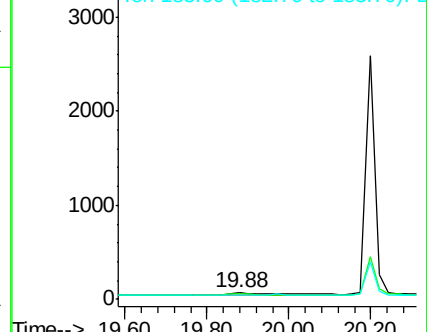
183 75.8 11.8 17.6#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#33

Pyrene

Concen: 0.00 ng

RT: 20.02 min Scan# 1000

Delta R.T. 0.00 min

Lab File: BE091921.D

Acq: 15 Jun 2016 12:41

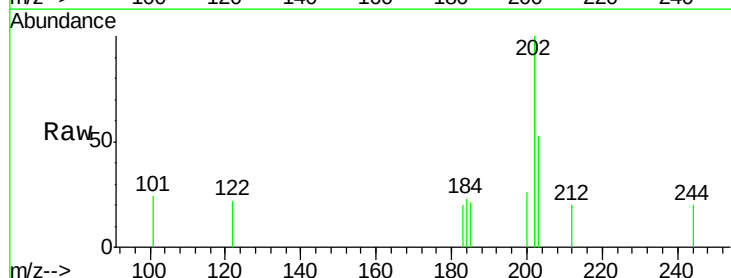
Tgt Ion:202 Resp: 585

Ion Ratio Lower Upper

202 100

200 5.3 16.9 25.3#

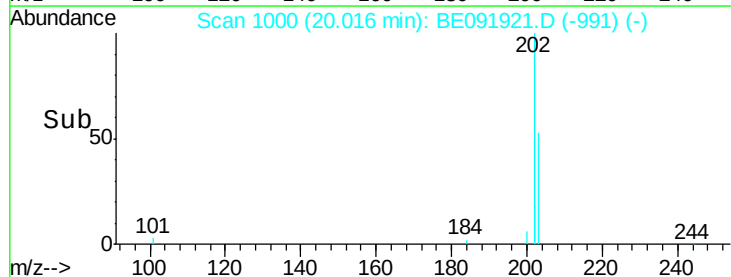
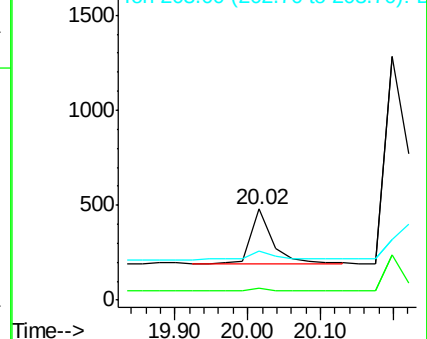
203 28.0 14.1 21.1#

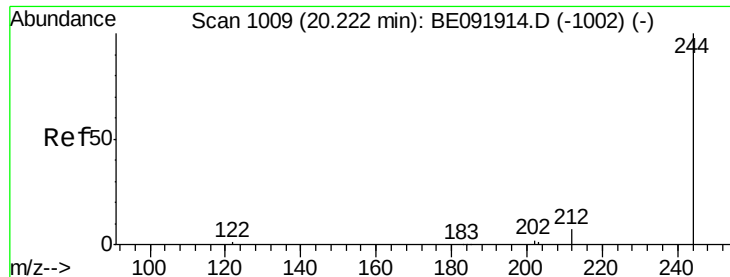


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#34

Terphenyl-d14

Concen: 3.34 ng

RT: 20.22 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BE091921.D

Acq: 15 Jun 2016 12:41

Instrument :

BNA_E

ClientSampled :

PB91033BL

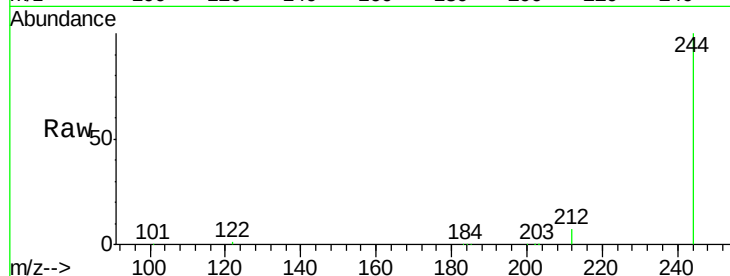
Tgt Ion:244 Resp: 192931

Ion Ratio Lower Upper

244 100

212 7.1 6.5 9.7

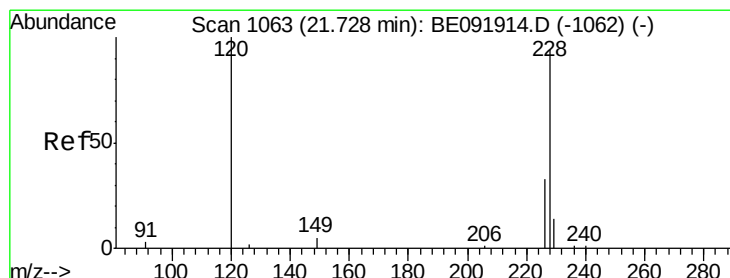
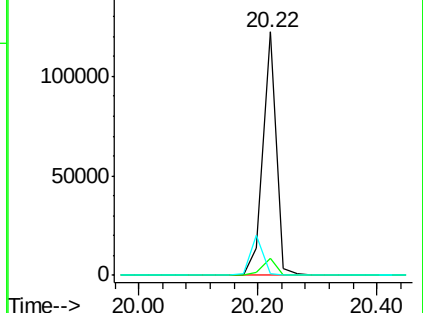
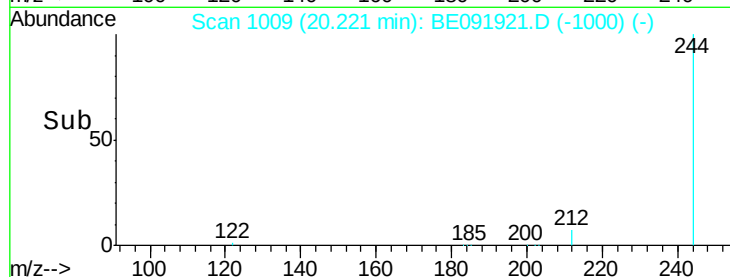
122 0.7 2.9 4.3#



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



#35

Benzo(a)anthracene

Concen: 0.02 ng

RT: 21.76 min Scan# 1064

Delta R.T. 0.03 min

Lab File: BE091921.D

Acq: 15 Jun 2016 12:41

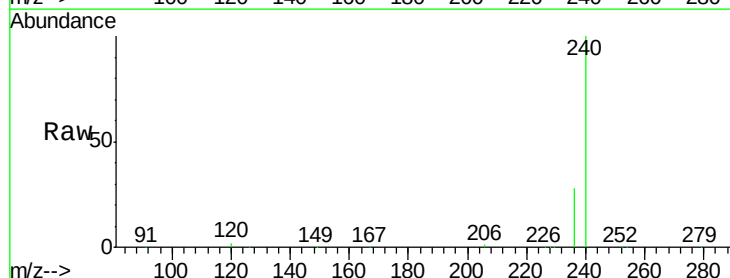
Tgt Ion:228 Resp: 1718

Ion Ratio Lower Upper

228 100

226 13.4 21.0 31.4#

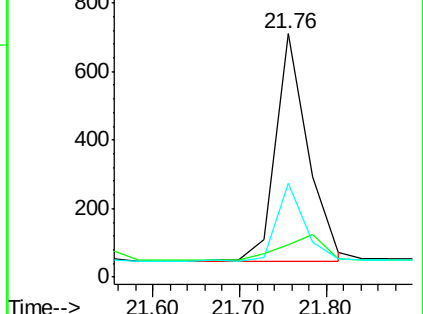
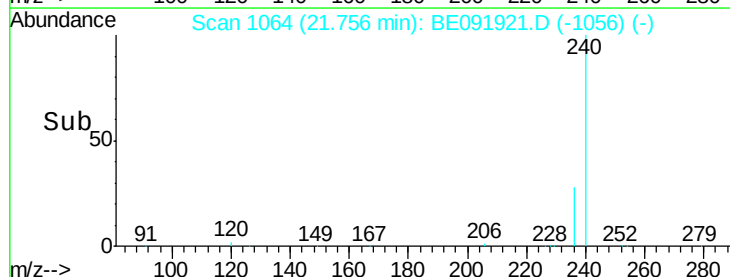
229 38.4 15.8 23.8#

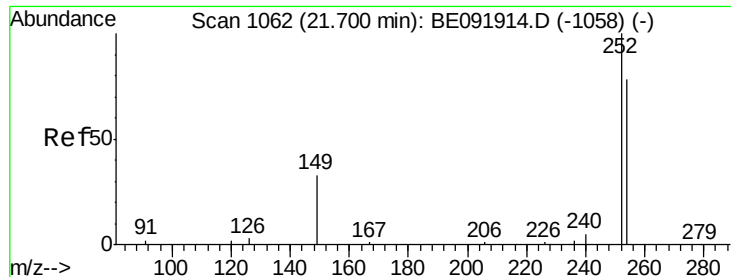


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

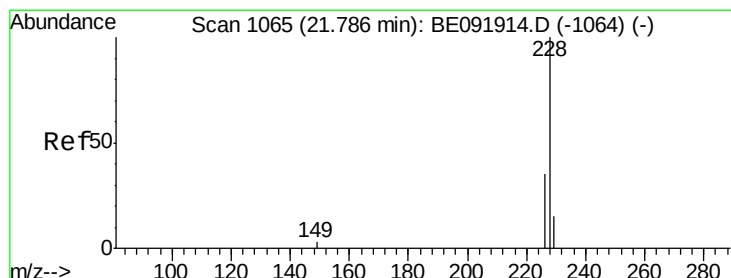
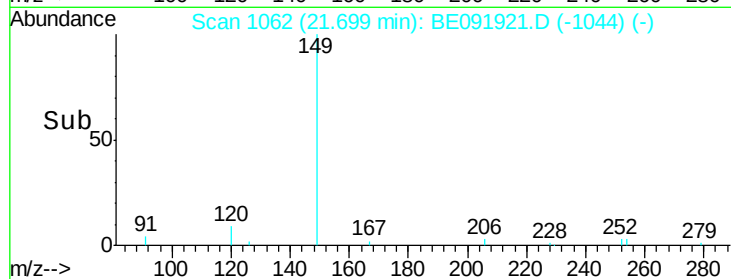
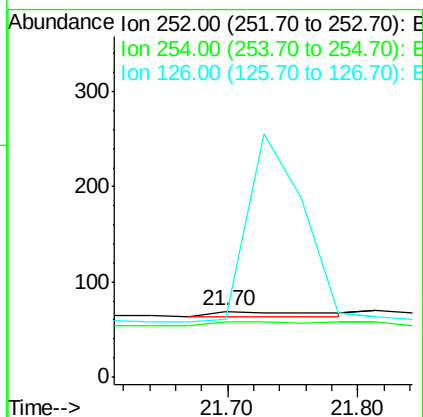
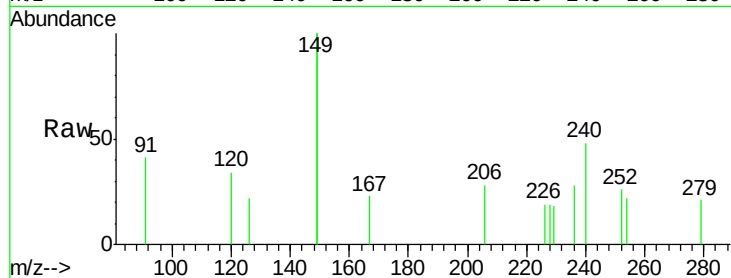




#36
 3,3'-Dichlorobenzidine
 Concen: 0.00 ng
 RT: 21.70 min Scan# 1062
 Delta R.T. 0.03 min
 Lab File: BE091921.D
 Acq: 15 Jun 2016 12:41

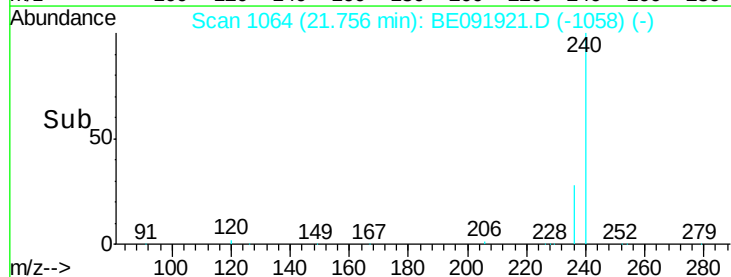
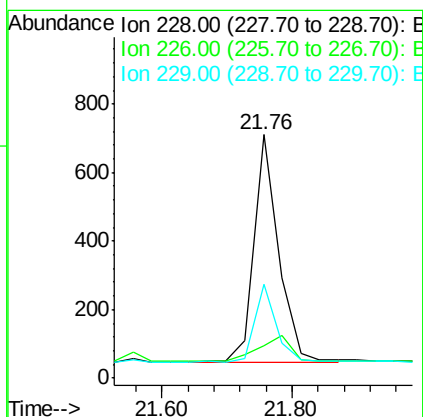
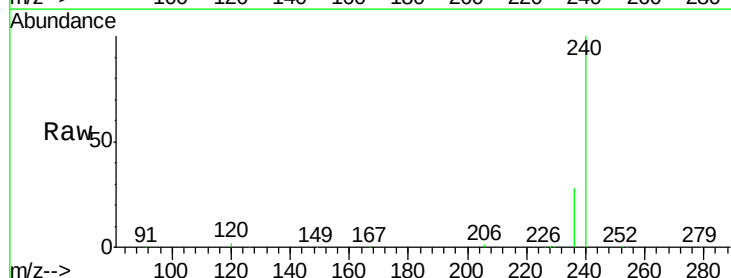
Instrument :
 BNA_E
 ClientSampleId :
 PB91033BL

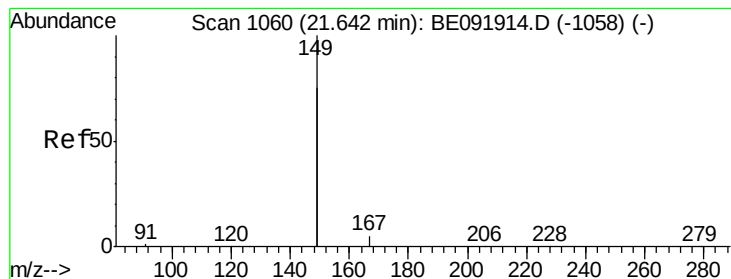
Tgt Ion: 252 Resp: 27
 Ion Ratio Lower Upper
 252 100
 254 84.1 61.5 92.3
 126 87.0 2.5 3.7#



#37
 Chrysene
 Concen: 0.02 ng
 RT: 21.76 min Scan# 1064
 Delta R.T. -0.03 min
 Lab File: BE091921.D
 Acq: 15 Jun 2016 12:41

Tgt Ion: 228 Resp: 1737
 Ion Ratio Lower Upper
 228 100
 226 13.4 27.0 40.6#
 229 38.4 13.8 20.8#





#38

Bis(2-ethylhexyl)phthalate

Concen: Below Cal

RT: 21.67 min Scan# 1061

Delta R.T. 0.00 min

Lab File: BE091921.D

Acq: 15 Jun 2016 12:41

Instrument :

BNA_E

ClientSampleId :

PB91033BL

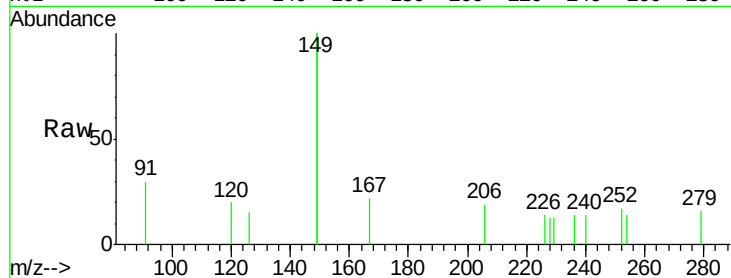
Tgt Ion:149 Resp: 1014

Ion Ratio Lower Upper

149 100

167 0.0 0.0 0.0

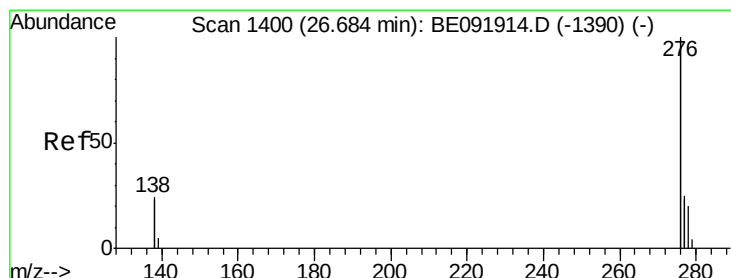
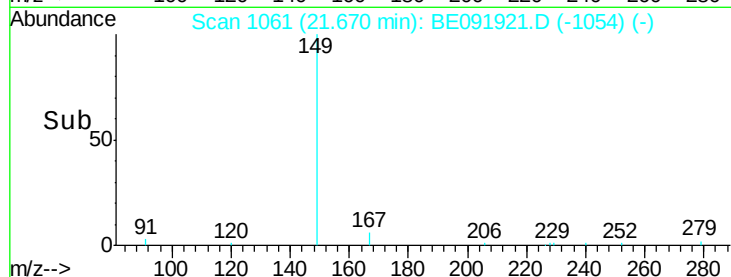
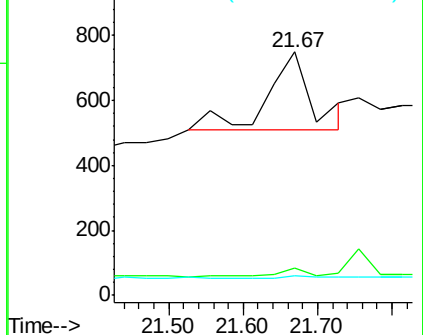
279 1.4 0.0 0.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#39

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng

RT: 26.74 min Scan# 1404

Delta R.T. 0.05 min

Lab File: BE091921.D

Acq: 15 Jun 2016 12:41

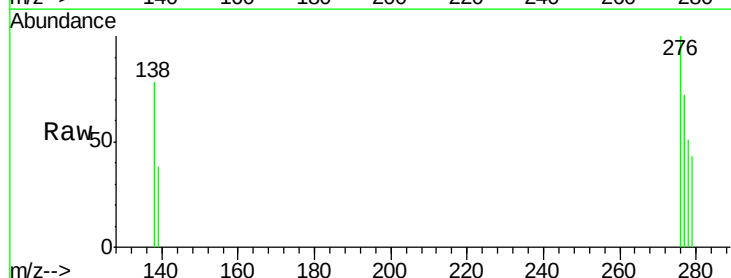
Tgt Ion:276 Resp: 752

Ion Ratio Lower Upper

276 100

138 20.9 19.7 29.5

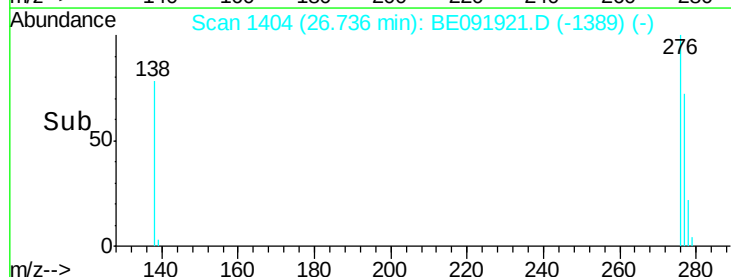
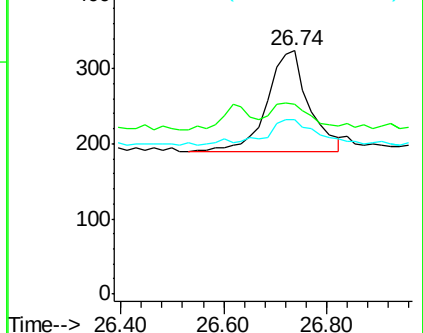
277 22.9 20.1 30.1

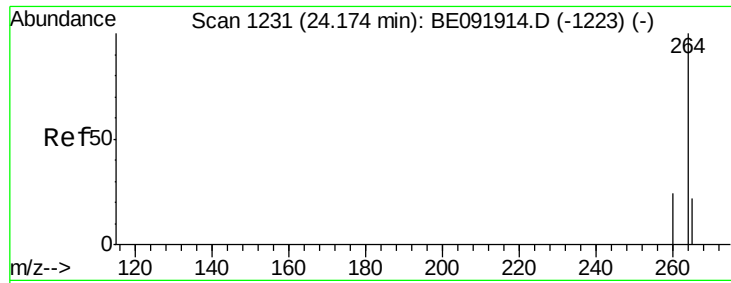


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

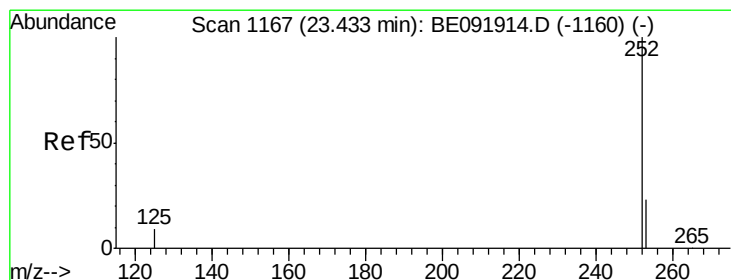
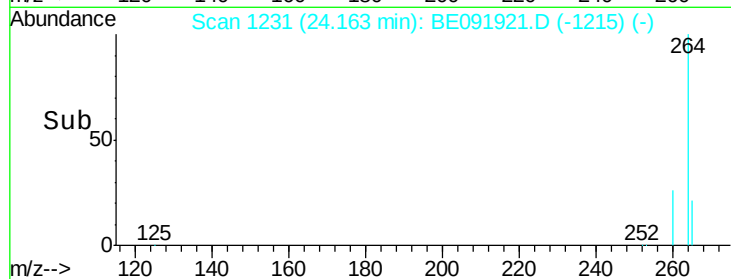
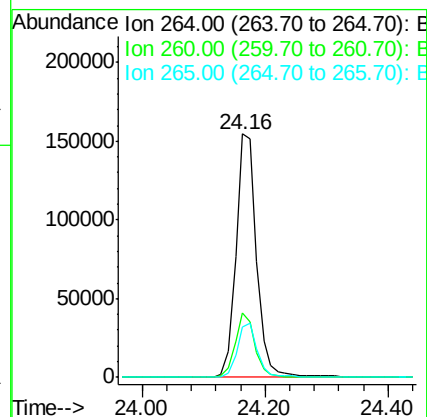
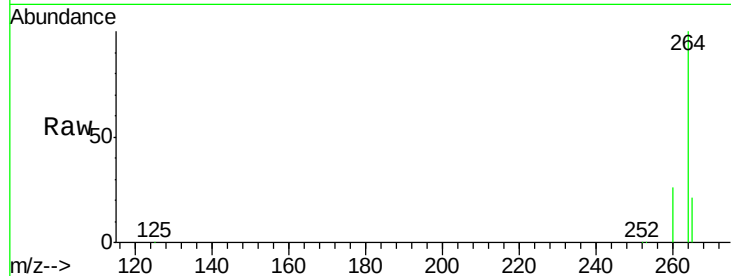




#40
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.16 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BE091921.D
 Acq: 15 Jun 2016 12:41

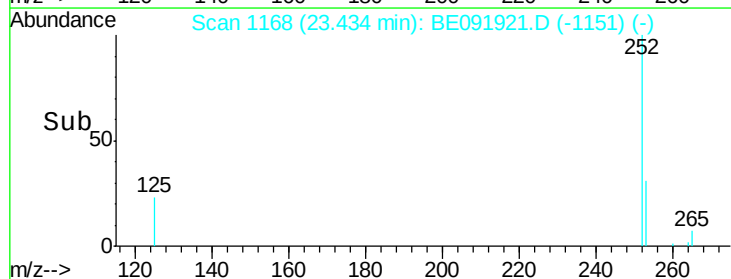
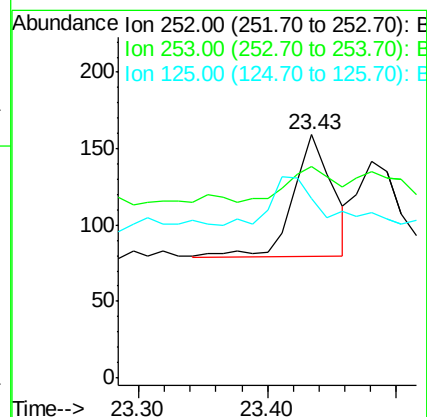
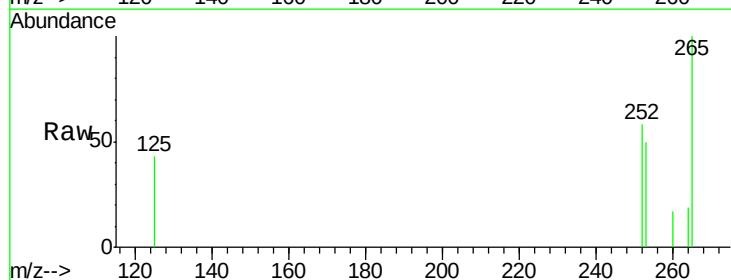
Instrument :
 BNA_E
 ClientSampleId :
 PB91033BL

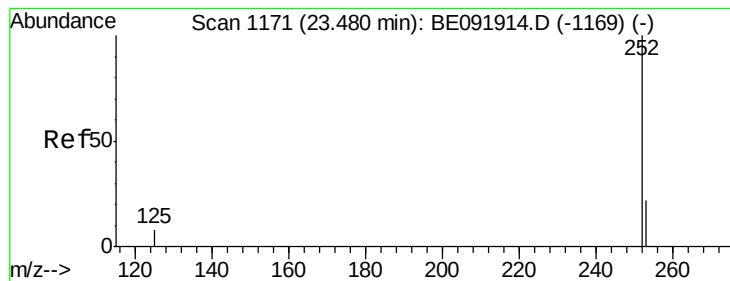
Tgt Ion: 264 Resp: 360289
 Ion Ratio Lower Upper
 264 100
 260 26.4 20.3 30.5
 265 20.9 17.6 26.4



#41
 Benzo(b)fluoranthene
 Concen: 0.00 ng
 RT: 23.43 min Scan# 1168
 Delta R.T. 0.00 min
 Lab File: BE091921.D
 Acq: 15 Jun 2016 12:41

Tgt Ion: 252 Resp: 167
 Ion Ratio Lower Upper
 252 100
 253 86.8 17.8 26.6#
 125 73.6 9.4 14.2#





#42

Benzo(k)fluoranthene

Concen: 0.00 ng

RT: 23.48 min Scan# 1172

Delta R.T. 0.00 min

Lab File: BE091921.D

Acq: 15 Jun 2016 12:41

Instrument :

BNA_E

ClientSampleId :

PB91033BL

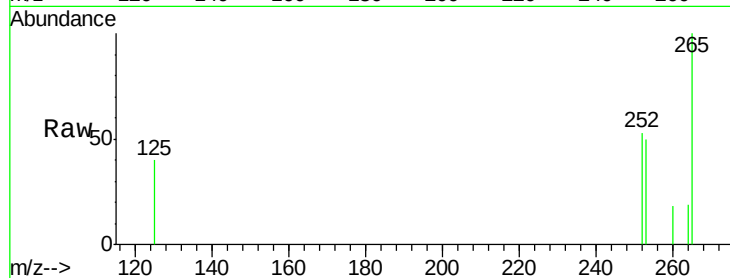
Tgt Ion: 252 Resp: 141

Ion Ratio Lower Upper

252 100

253 95.1 19.4 29.2#

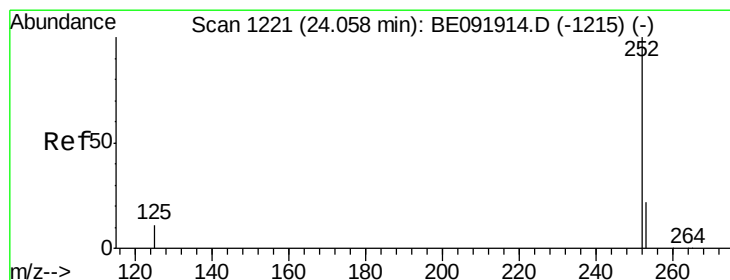
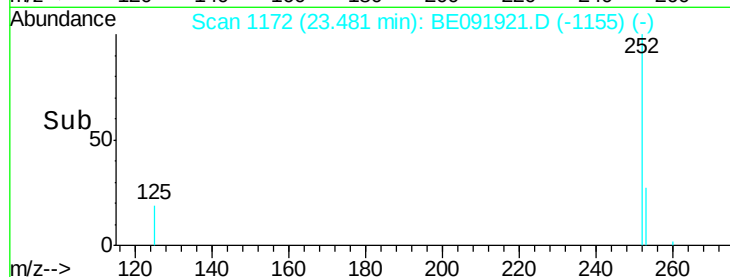
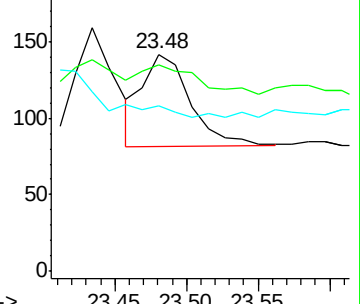
125 76.1 8.3 12.5#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#43

Benzo(a)pyrene

Concen: 0.00 ng

RT: 24.06 min Scan# 1222

Delta R.T. 0.00 min

Lab File: BE091921.D

Acq: 15 Jun 2016 12:41

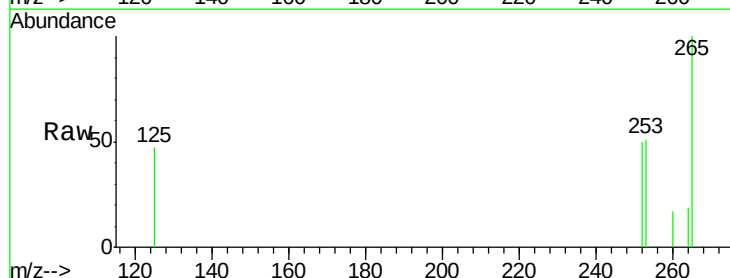
Tgt Ion: 252 Resp: 152

Ion Ratio Lower Upper

252 100

253 101.4 18.9 28.3#

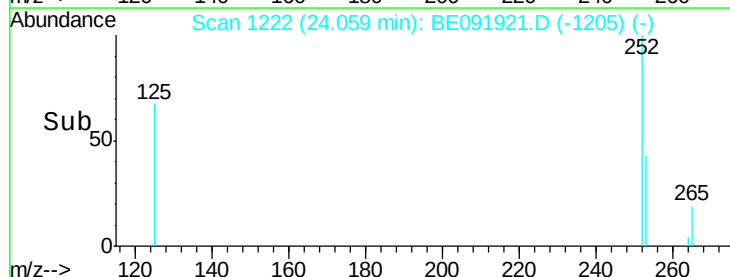
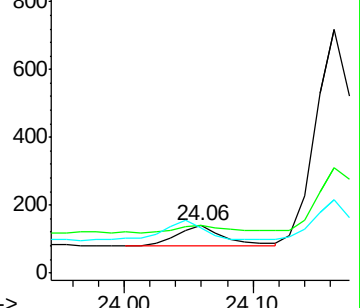
125 95.0 10.5 15.7#

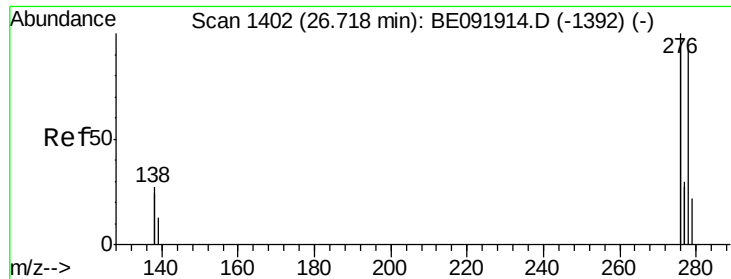


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#44

Dibenzo(a,h)anthracene

Concen: 0.00 ng

RT: 26.74 min Scan# 1404

Delta R.T. 0.02 min

Lab File: BE091921.D

Acq: 15 Jun 2016 12:41

Instrument :

BNA_E

ClientSampleId :

PB91033BL

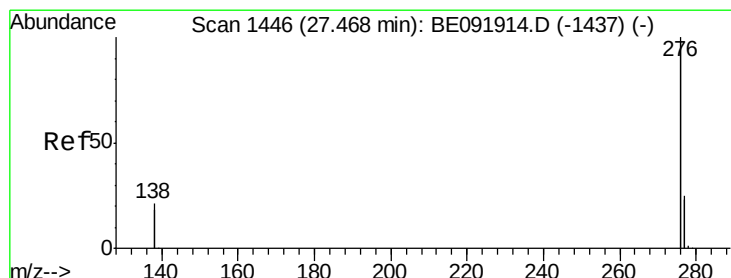
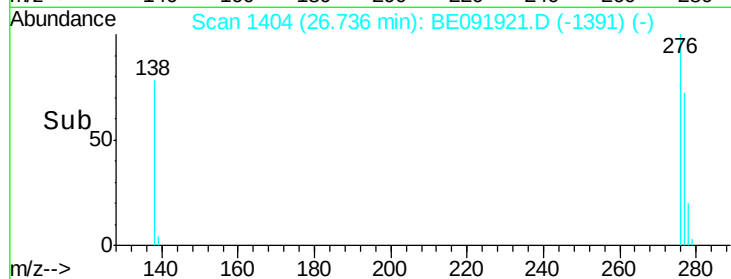
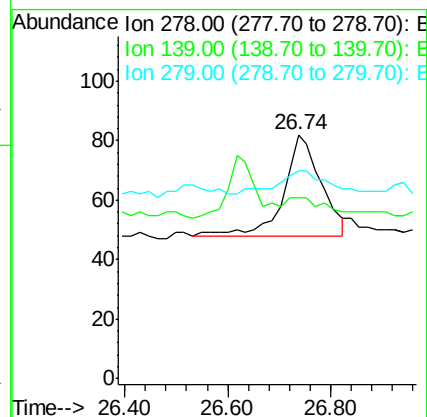
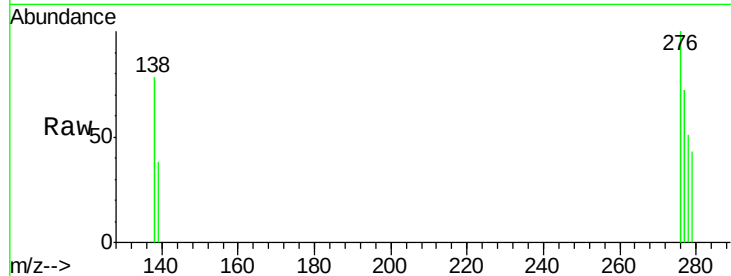
Tgt Ion:278 Resp: 172

Ion Ratio Lower Upper

278 100

139 74.4 12.6 18.8#

279 85.4 20.0 30.0#



#45

Benzo(g,h,i)perylene

Concen: 0.00 ng

RT: 27.49 min Scan# 1448

Delta R.T. 0.02 min

Lab File: BE091921.D

Acq: 15 Jun 2016 12:41

Tgt Ion:276 Resp: 593

Ion Ratio Lower Upper

276 100

277 74.7 19.5 29.3#

138 82.7 17.7 26.5#

