

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE051017\
 Data File : BE092986.D
 Acq On : 10 May 2017 17:40
 Operator : SJ/MA
 Sample : I2893-17RE
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 3076-FBRE

Quant Time: May 11 05:10:49 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE051017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 10 03:43:15 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	763	0.40	ng	0.00
7) Naphthalene-d8	10.53	136	3013	0.40	ng	0.00
13) Acenaphthene-d10	14.39	164	542	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	3088	0.40	ng	0.00
26) Chrysene-d12	21.28	240	1517	0.40	ng	0.00
33) Perylene-d12	23.71	264	27	0.40	ng	0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.36	112	345	0.16	ng	0.00
5) Phenol-d6	6.94	99	434	0.16	ng	0.00
8) Nitrobenzene-d5	8.90	82	842	0.36	ng	0.00
11) 2-Methylnaphthalene-d10	12.13	152	1595	0.38	ng	0.00
14) 2,4,6-Tribromophenol	15.87	330	140	0.99	ng	-0.01
15) 2-Fluorobiphenyl	13.01	172	2310	1.14	ng	0.00
24) Fluoranthene-d10	19.15	212	1253	0.16	ng	0.00
28) Terphenyl-d14	19.74	244	2239	0.96	ng	0.00

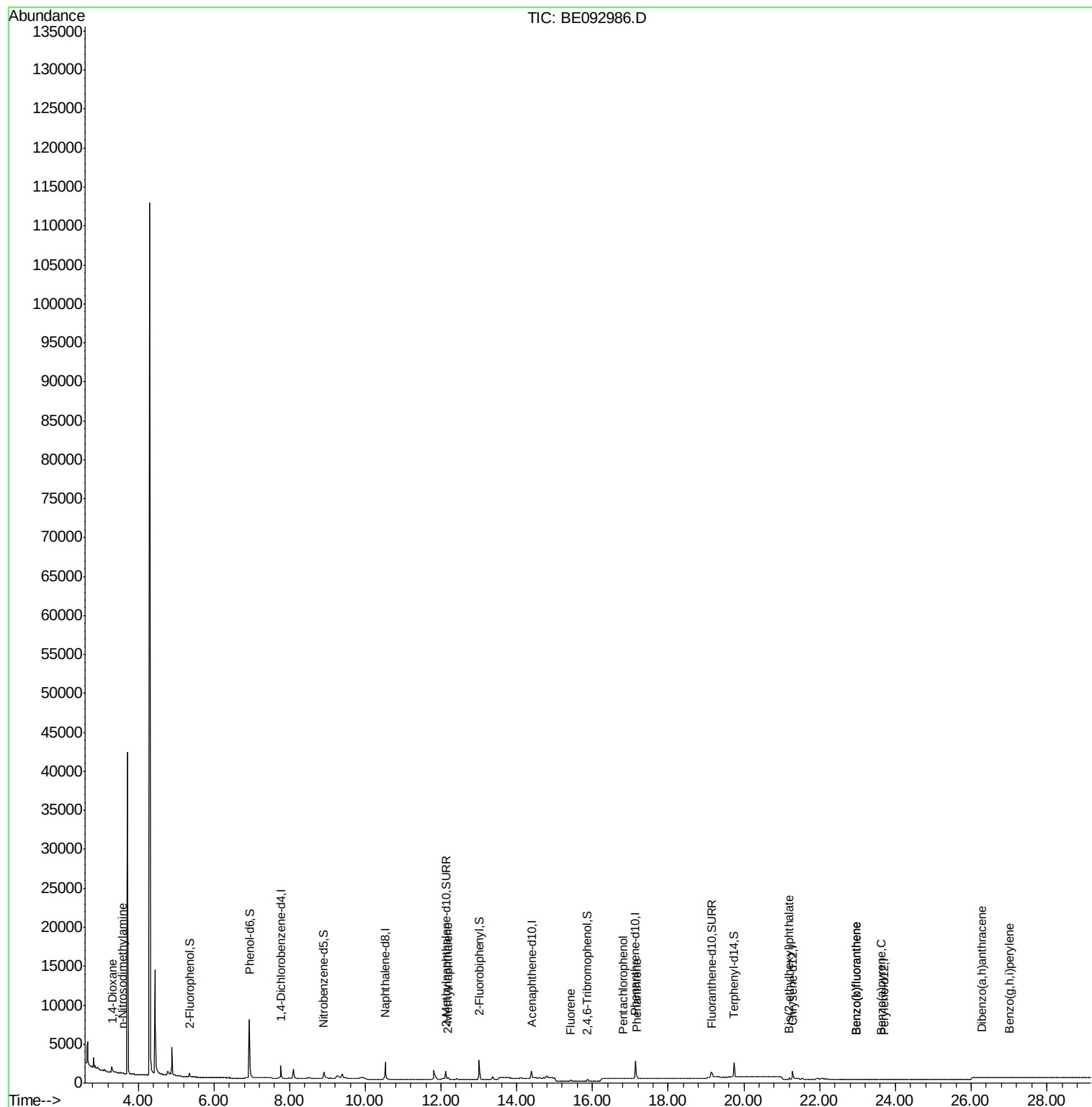
Target Compounds						Qvalue
2) 1,4-Dioxane	3.32	88	745	0.47	ng	# 84
3) n-Nitrosodimethylamine	3.59	42	37	0.03	ng	# 23
12) 2-Methylnaphthalene	12.19	142	98	0.02	ng	# 44
18) Fluorene	15.43	166	91	0.04	ng	95
21) Pentachlorophenol	16.81	266	4	0.14	ng	# 83
22) Phenanthrene	17.18	178	235	0.03	ng	# 91
31) Bis(2-ethylhexyl)phthalate	21.20	149	228	0.11	ng	# 97
34) Benzo(b)fluoranthene	22.96	252	40	0.48	ng	# 1
35) Benzo(k)fluoranthene	22.96	252	39	0.44	ng	# 1
36) Benzo(a)pyrene	23.62	252	10	0.13	ng	# 1
37) Dibenzo(a,h)anthracene	26.27	278	34	0.44	ng	# 1
38) Benzo(g,h,i)perylene	27.02	276	76	0.23	ng	# 1

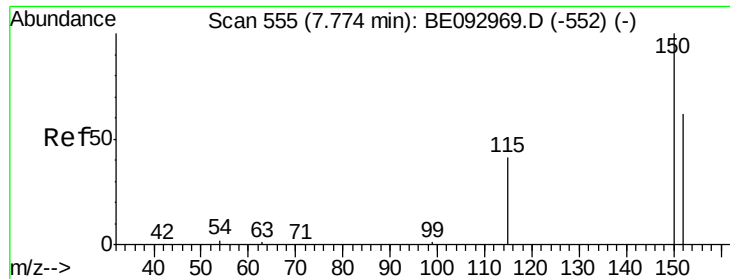
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 7.77 min Scan# 555

Delta R.T. -0.00 min

Lab File: BE092986.D

Acq: 10 May 2017 17:40

Instrument :

BNA_G

ClientSampleId :

3076-FBRE

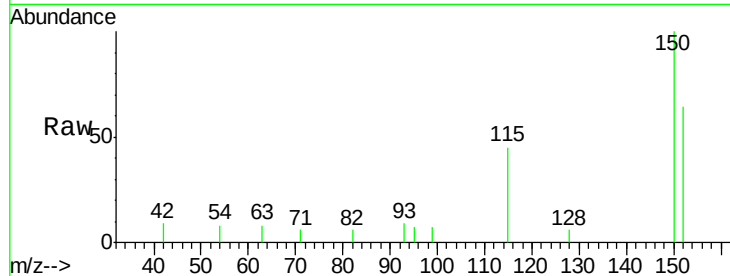
Tgt Ion:152 Resp: 763

Ion Ratio Lower Upper

152 100

150 155.5 125.1 187.7

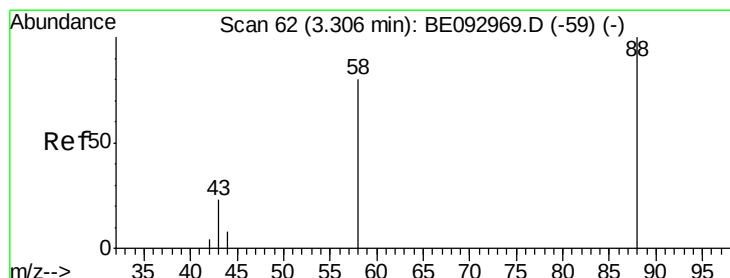
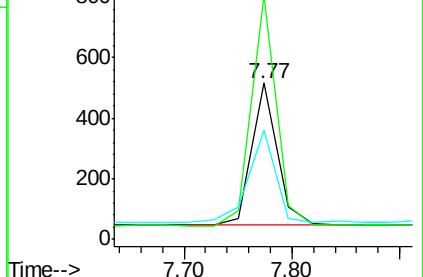
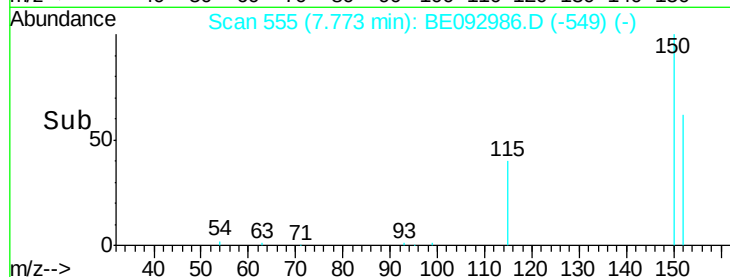
115 69.4 55.7 83.5



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: 0.47 ng

RT: 3.32 min Scan# 63

Delta R.T. 0.01 min

Lab File: BE092986.D

Acq: 10 May 2017 17:40

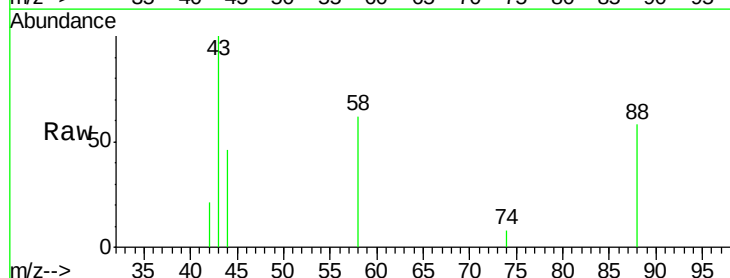
Tgt Ion: 88 Resp: 745

Ion Ratio Lower Upper

88 100

58 81.7 62.2 93.4

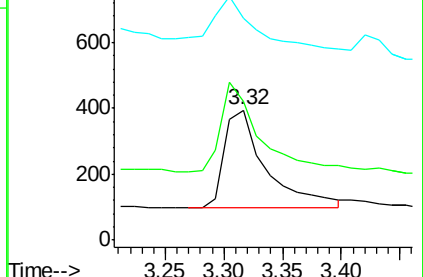
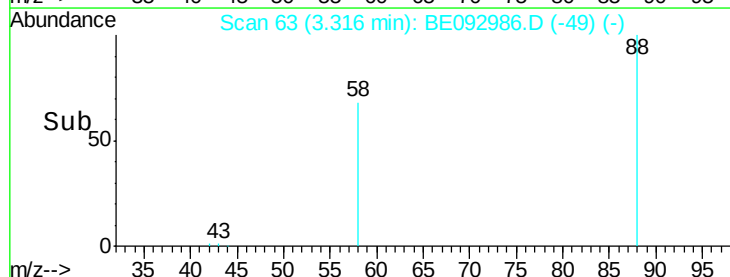
43 54.9 23.2 34.8#

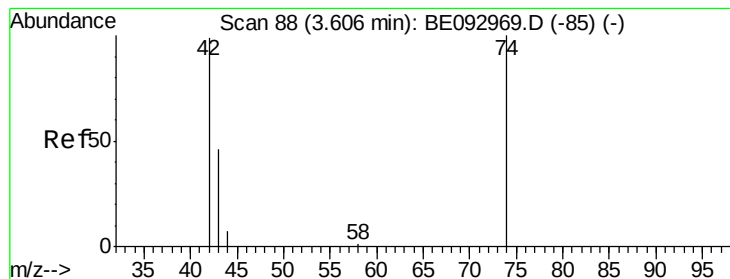


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.03 ng

RT: 3.59 min Scan# 87

Delta R.T. -0.01 min

Lab File: BE092986.D

Acq: 10 May 2017 17:40

Instrument :

BNA_G

ClientSampleId :

3076-FBRE

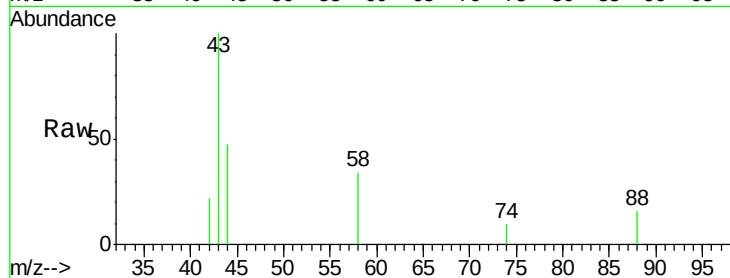
Tgt Ion: 42 Resp: 37

Ion Ratio Lower Upper

42 100

74 32.4 99.1 148.7#

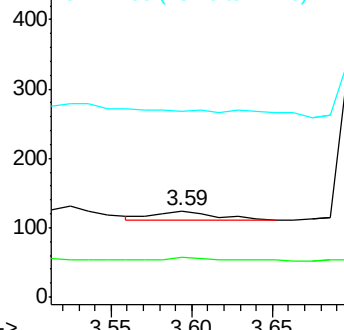
44 0.0 7.4 11.2#



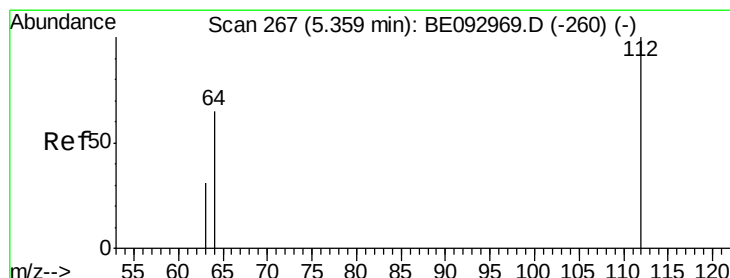
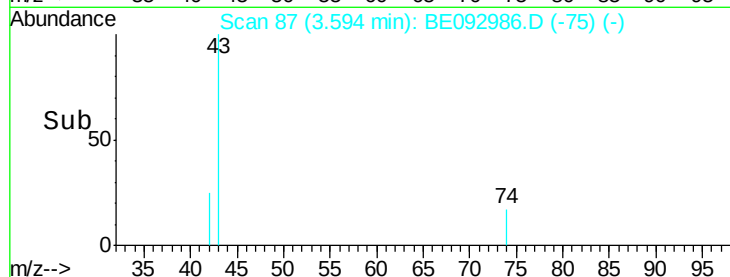
Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



Time-->



#4

2-Fluorophenol

Concen: 0.16 ng

RT: 5.36 min Scan# 267

Delta R.T. 0.00 min

Lab File: BE092986.D

Acq: 10 May 2017 17:40

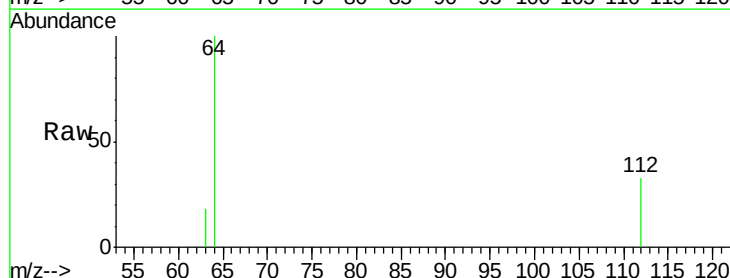
Tgt Ion: 112 Resp: 345

Ion Ratio Lower Upper

112 100

64 79.1 56.4 84.6

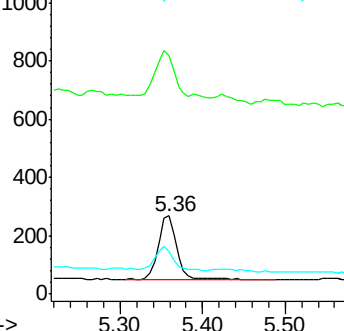
63 36.2 29.3 43.9



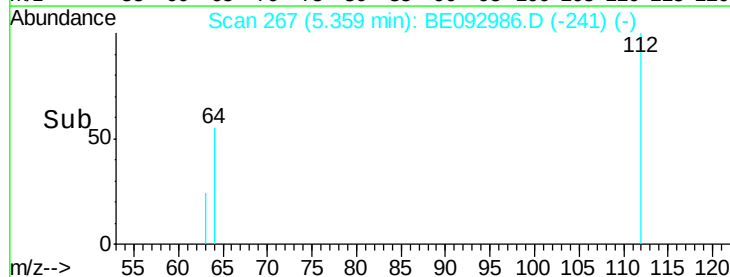
Abundance Ion 112.00 (111.70 to 112.70): E

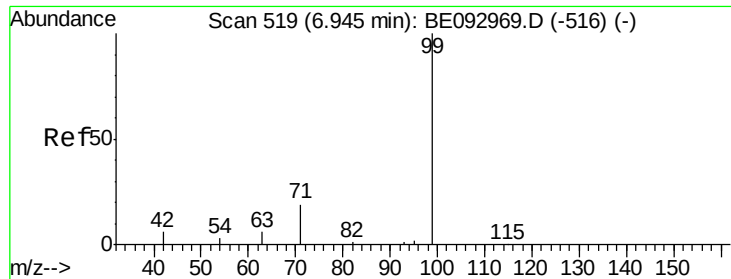
Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



Time-->





#5

Phenol-d6

Concen: 0.16 ng

RT: 6.94 min Scan# 519

Delta R.T. -0.00 min

Lab File: BE092986.D

Acq: 10 May 2017 17:40

Instrument :

BNA_G

ClientSampleId :

3076-FBRE

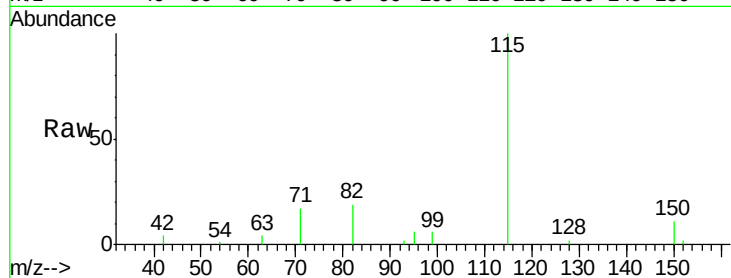
Tgt Ion: 99 Resp: 434

Ion Ratio Lower Upper

99 100

42 0.0 0.0 0.0

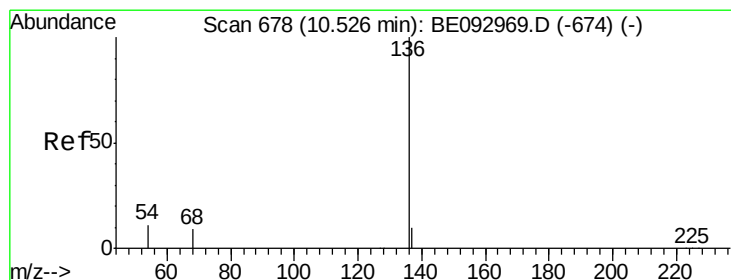
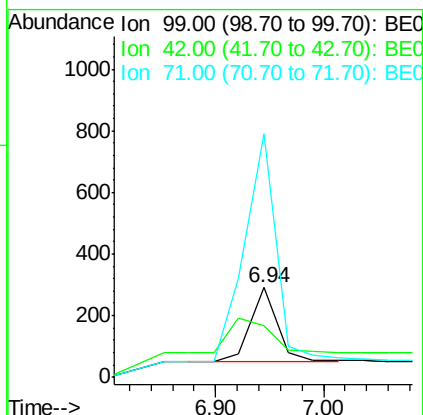
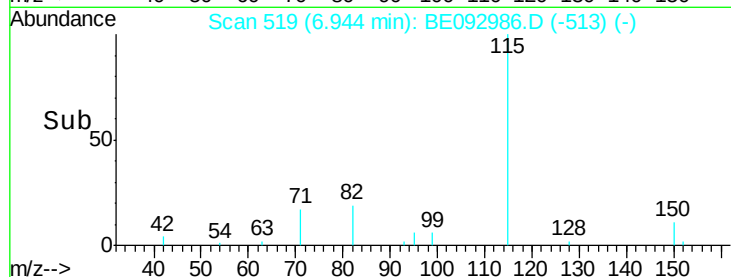
71 352.3 0.0 0.0#



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



#7

Naphthalene-d8

Concen: 0.40 ng

RT: 10.53 min Scan# 678

Delta R.T. 0.00 min

Lab File: BE092986.D

Acq: 10 May 2017 17:40

Tgt Ion: 136 Resp: 3013

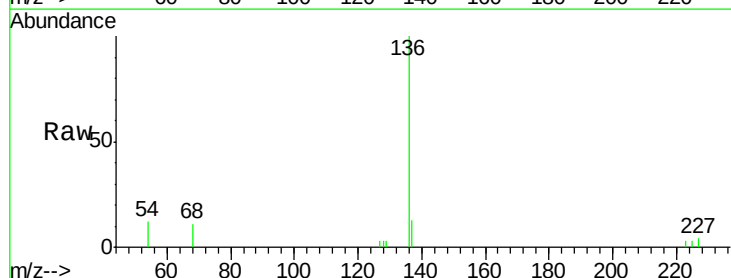
Ion Ratio Lower Upper

136 100

137 13.1 9.8 14.8

54 12.1 10.3 15.5

68 11.0 9.0 13.4

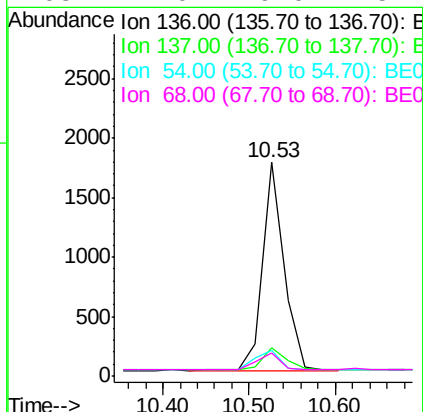
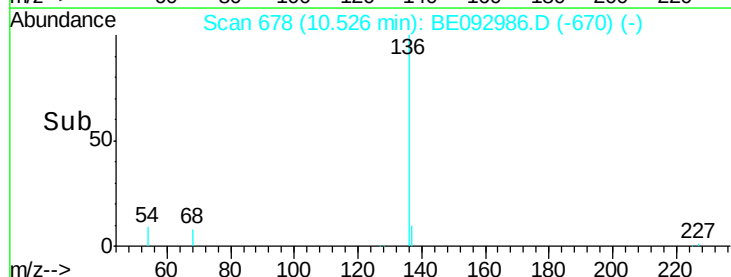


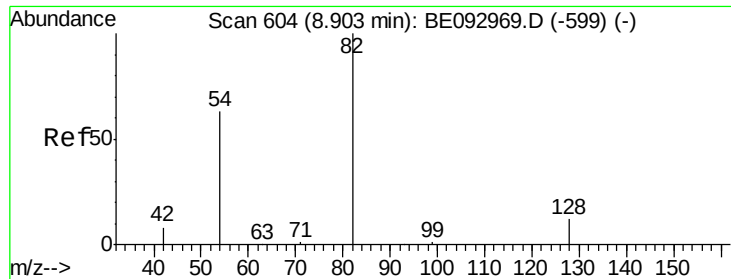
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0





#8

Nitrobenzene-d5

Concen: 0.36 ng

RT: 8.90 min Scan# 604

Delta R.T. -0.00 min

Lab File: BE092986.D

Acq: 10 May 2017 17:40

Instrument :

BNA_G

ClientSampleId :

3076-FBRE

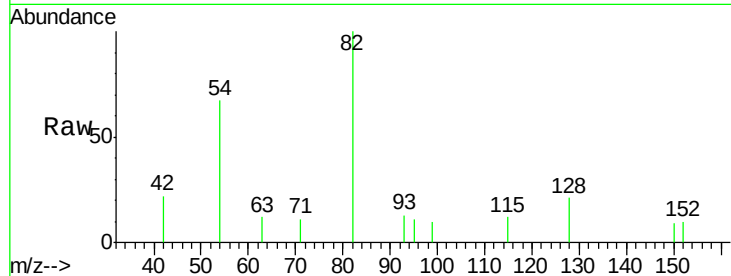
Tgt Ion: 82 Resp: 842

Ion Ratio Lower Upper

82 100

128 21.2 17.0 25.4

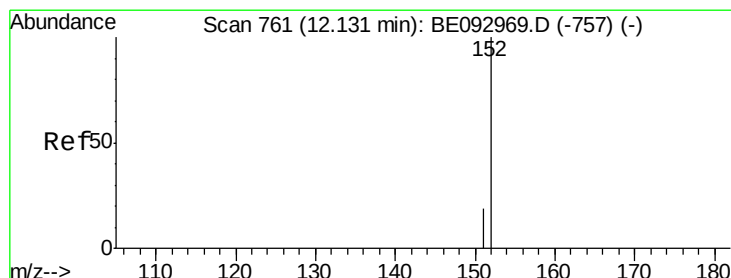
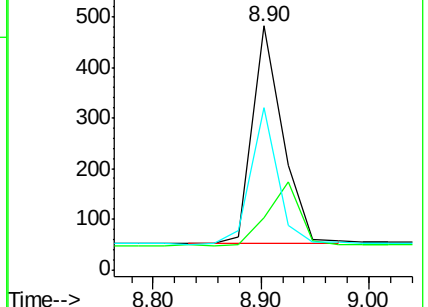
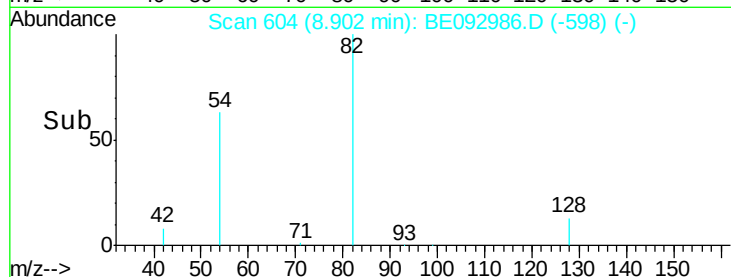
54 66.6 53.8 80.6



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



#11

2-Methylnaphthalene-d10

Concen: 0.38 ng

RT: 12.13 min Scan# 761

Delta R.T. -0.00 min

Lab File: BE092986.D

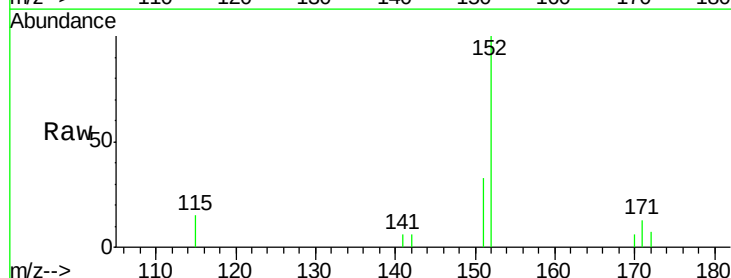
Acq: 10 May 2017 17:40

Tgt Ion: 152 Resp: 1595

Ion Ratio Lower Upper

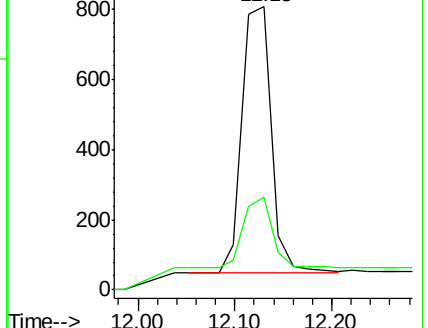
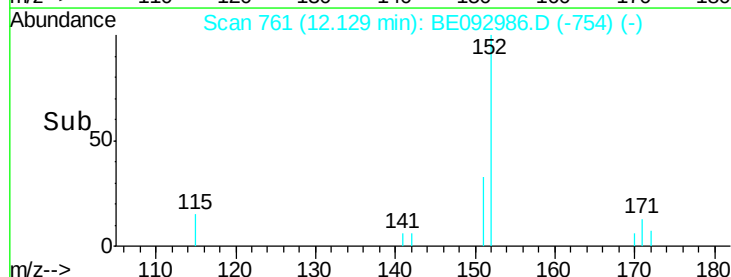
152 100

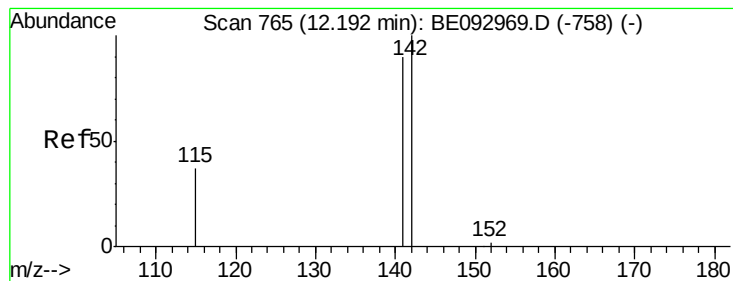
151 26.1 15.1 22.7#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 0.02 ng

RT: 12.19 min Scan# 765

Delta R.T. -0.00 min

Lab File: BE092986.D

Acq: 10 May 2017 17:40

Instrument :

BNA_G

ClientSampleId :

3076-FBRE

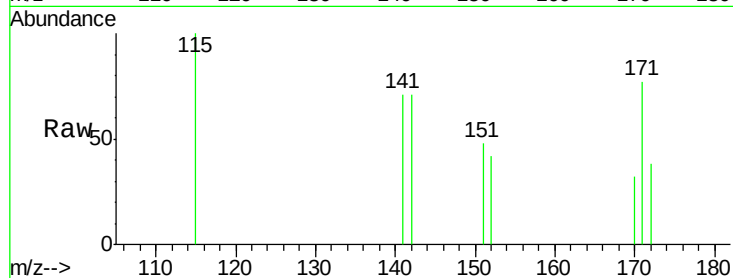
Tgt Ion:142 Resp: 98

Ion Ratio Lower Upper

142 100

141 99.0 72.6 108.8

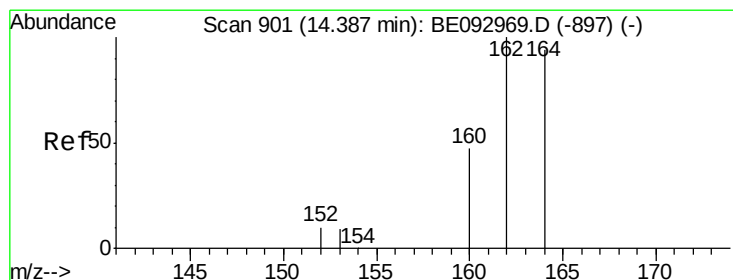
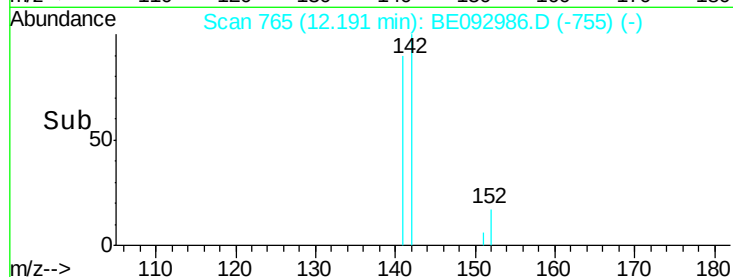
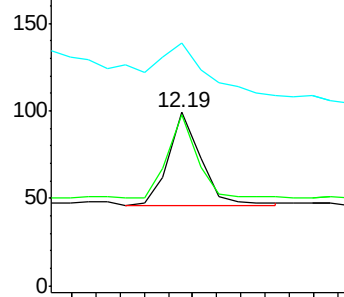
115 140.4 32.2 48.2#



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



#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 14.39 min Scan# 901

Delta R.T. -0.00 min

Lab File: BE092986.D

Acq: 10 May 2017 17:40

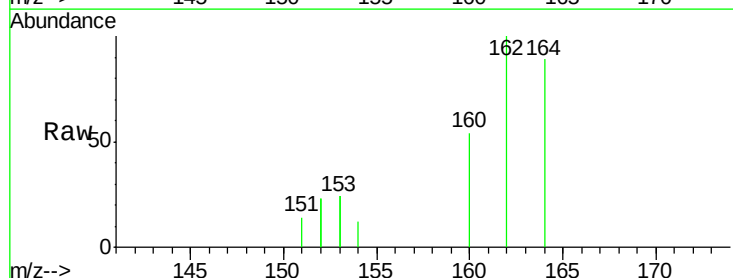
Tgt Ion:164 Resp: 542

Ion Ratio Lower Upper

164 100

162 112.0 84.6 127.0

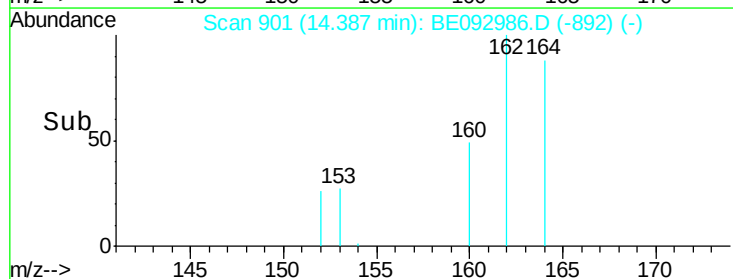
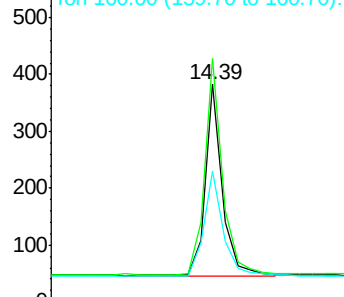
160 60.5 41.8 62.6

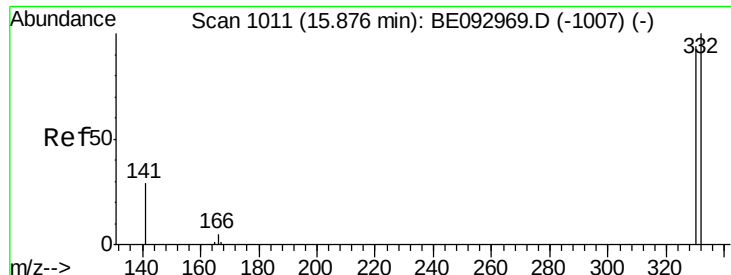


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

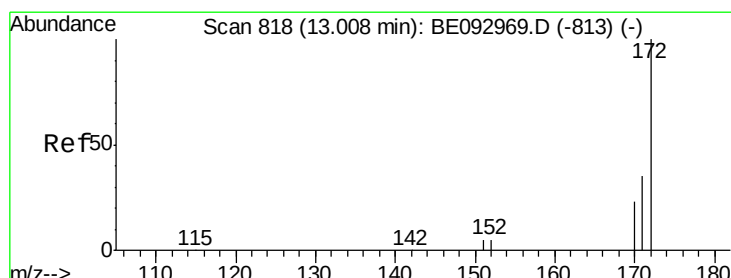
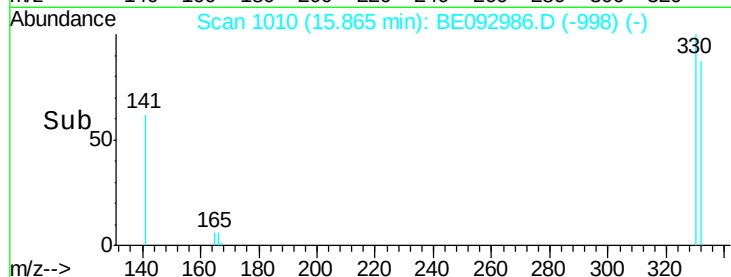
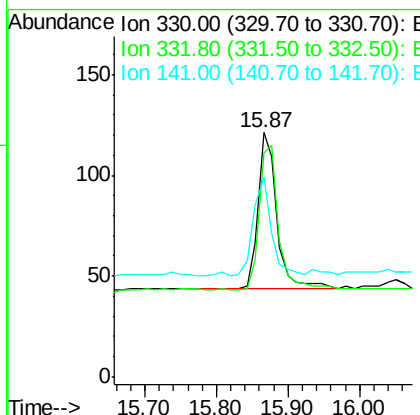
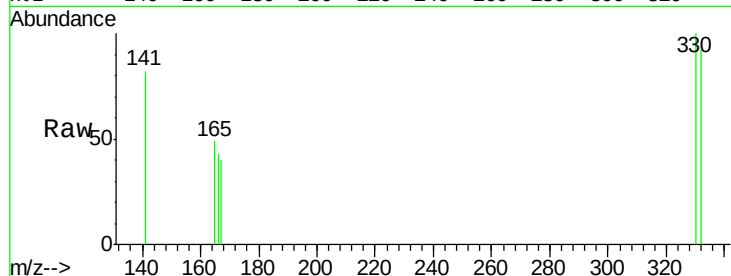




#14
 2,4,6-Tribromophenol
 Concen: 0.99 ng
 RT: 15.87 min Scan# 1010
 Delta R.T. -0.01 min
 Lab File: BE092986.D
 Acq: 10 May 2017 17:40

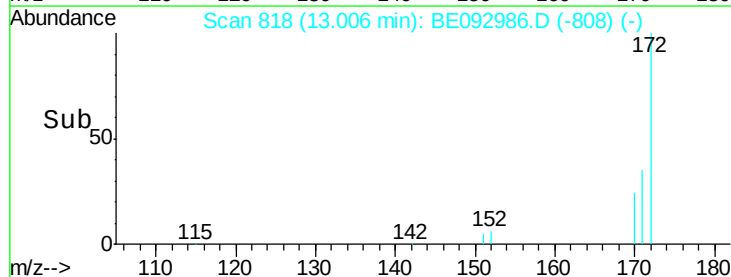
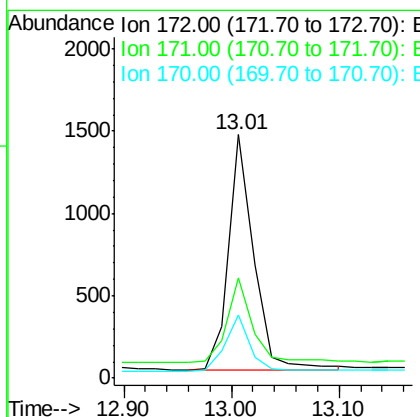
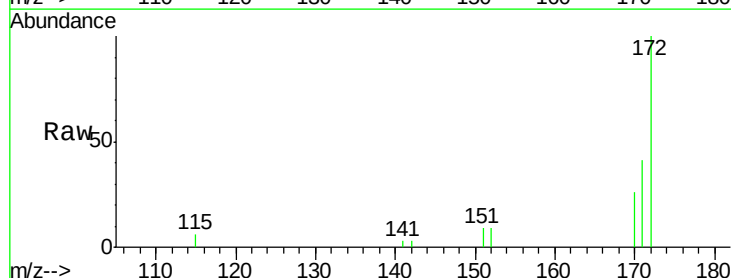
Instrument :
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 3076-FBRE

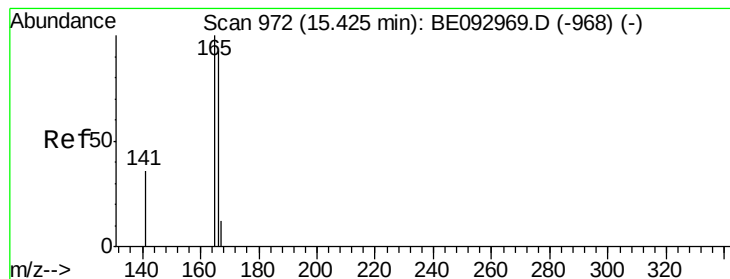
Tgt Ion: 330 Resp: 140
 Ion Ratio Lower Upper
 330 100
 332 100.0 77.7 116.5
 141 64.3 56.2 84.4



#15
 2-Fluorobiphenyl
 Concen: 1.14 ng
 RT: 13.01 min Scan# 818
 Delta R.T. -0.00 min
 Lab File: BE092986.D
 Acq: 10 May 2017 17:40

Tgt Ion: 172 Resp: 2310
 Ion Ratio Lower Upper
 172 100
 171 41.0 29.8 44.6
 170 26.0 20.7 31.1





#18

Fluorene

Concen: 0.04 ng

RT: 15.43 min Scan# 972

Delta R.T. 0.00 min

Lab File: BE092986.D

Acq: 10 May 2017 17:40

Instrument :

BNA_G

ClientSampleId :

3076-FBRE

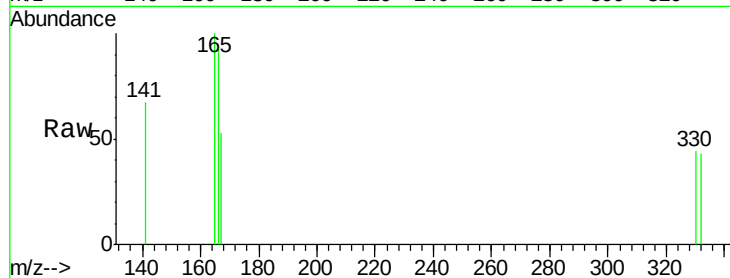
Tgt Ion:166 Resp: 91

Ion Ratio Lower Upper

166 100

165 93.4 78.6 117.8

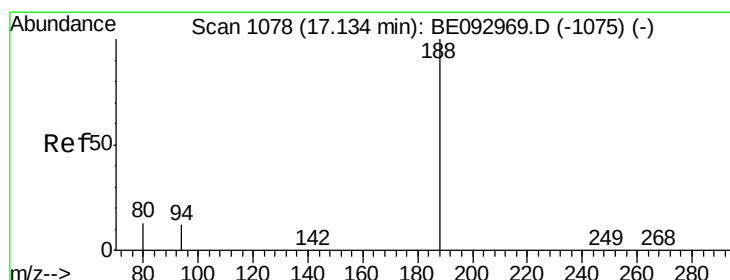
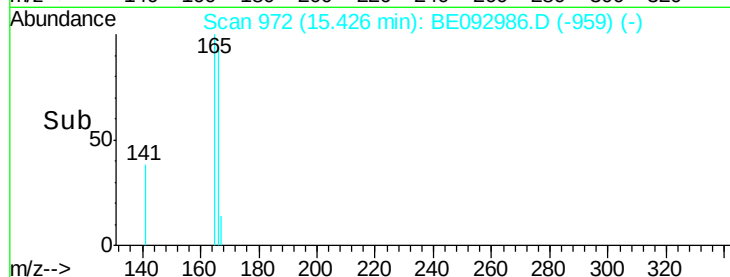
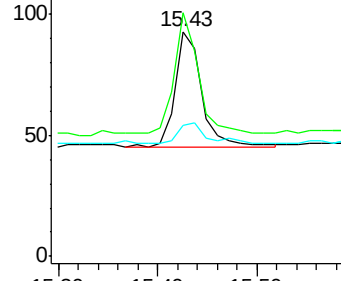
167 16.5 11.1 16.7



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



#19

Phenanthrene-d10

Concen: 0.40 ng

RT: 17.13 min Scan# 1077

Delta R.T. -0.00 min

Lab File: BE092986.D

Acq: 10 May 2017 17:40

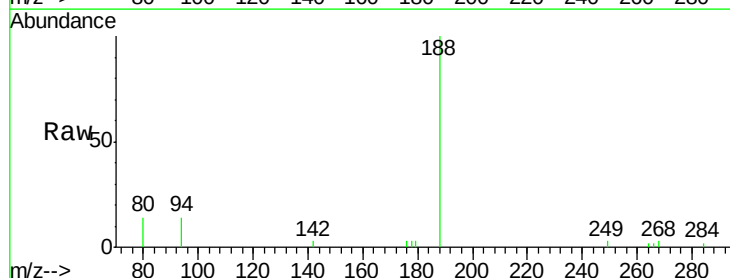
Tgt Ion:188 Resp: 3088

Ion Ratio Lower Upper

188 100

94 14.0 11.3 16.9

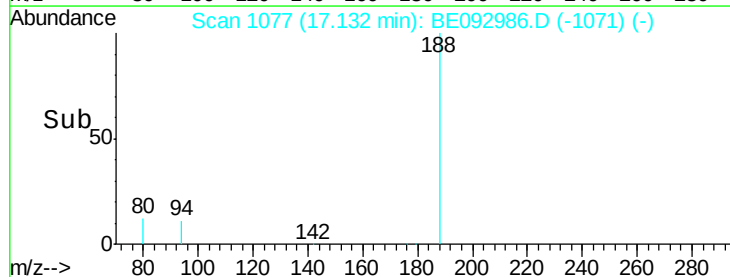
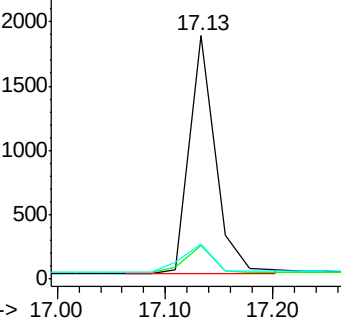
80 14.2 11.7 17.5

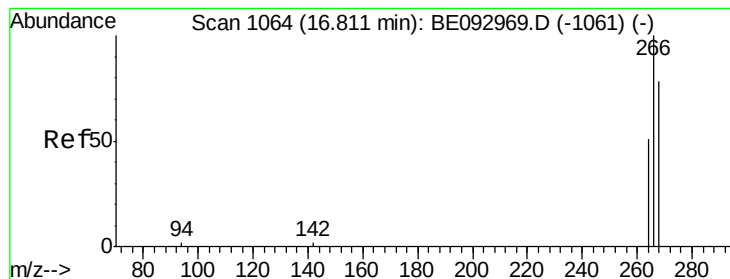


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#21

Pentachlorophenol

Concen: 0.14 ng

RT: 16.81 min Scan# 1063

Delta R.T. -0.00 min

Lab File: BE092986.D

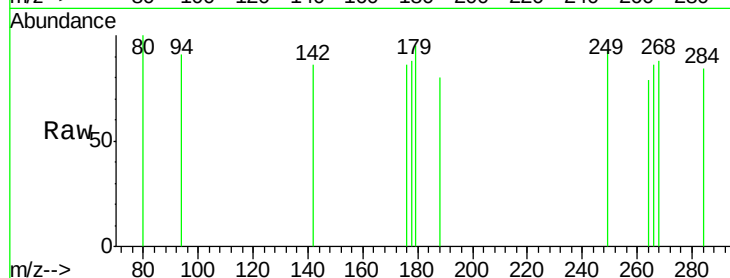
Acq: 10 May 2017 17:40

Instrument :

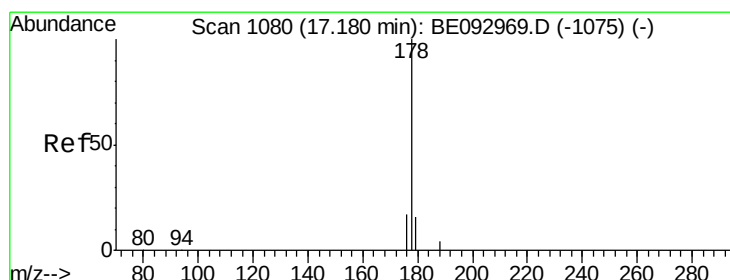
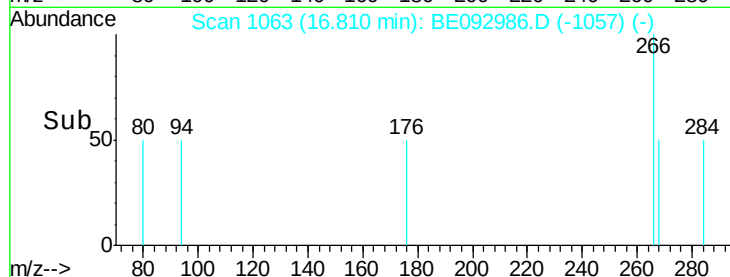
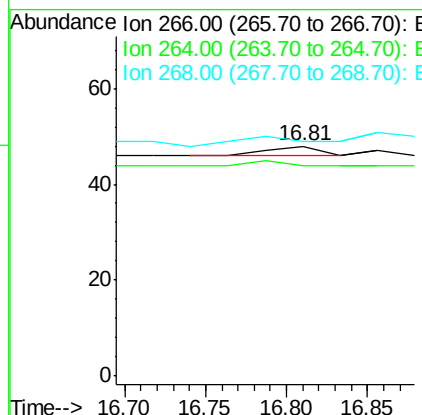
BNA_G

ClientSampleId :

3076-FBRE



Tgt Ion:	266	Resp:	4
Ion	Ratio	Lower	Upper
266	100		
264	91.7	58.2	87.2#
268	102.1	71.9	107.9



#22

Phenanthrene

Concen: 0.03 ng

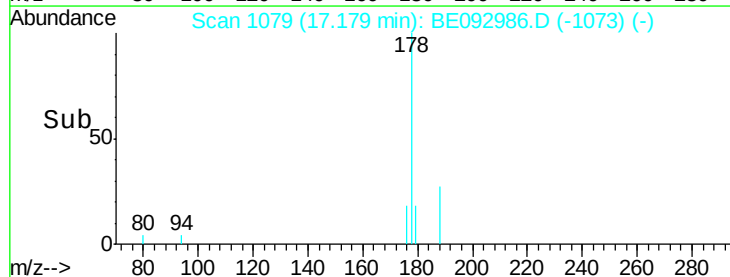
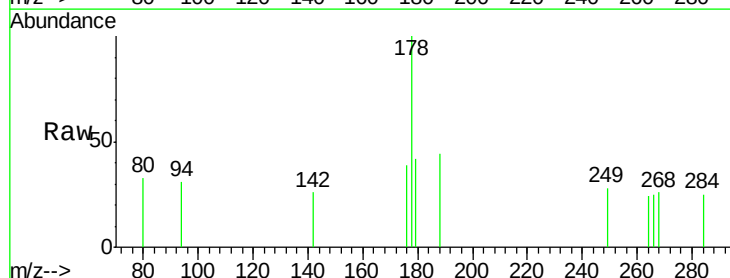
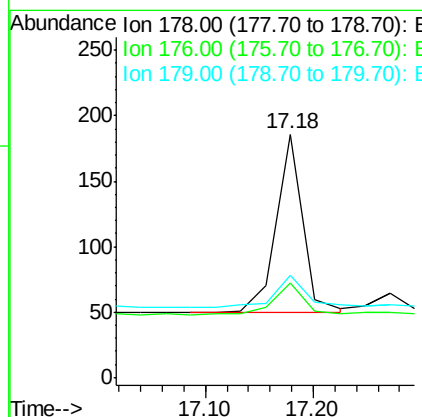
RT: 17.18 min Scan# 1079

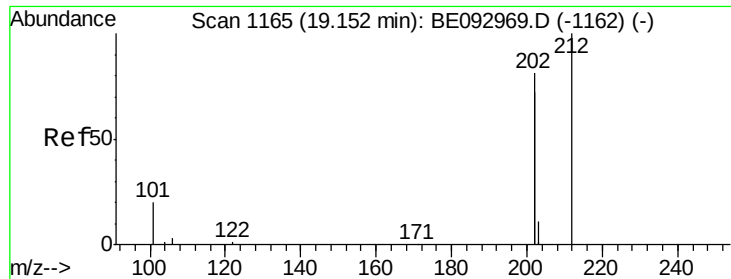
Delta R.T. -0.00 min

Lab File: BE092986.D

Acq: 10 May 2017 17:40

Tgt Ion:	178	Resp:	235
Ion	Ratio	Lower	Upper
178	100		
176	21.3	15.0	22.4
179	21.3	12.7	19.1#

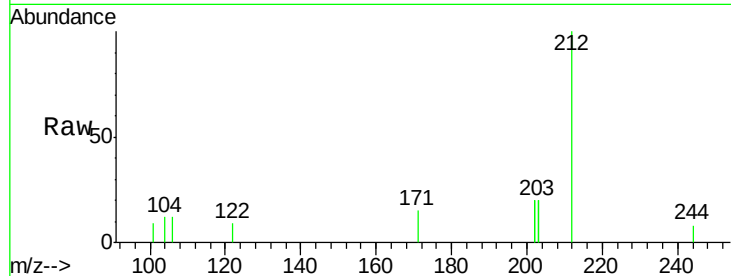




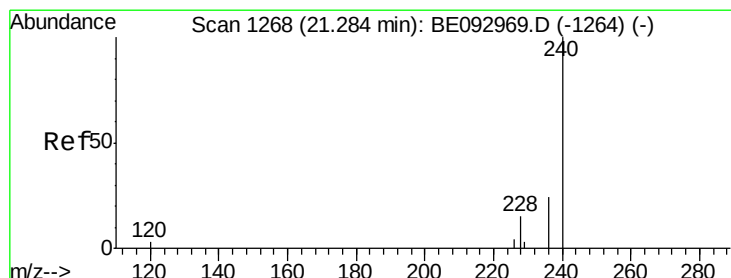
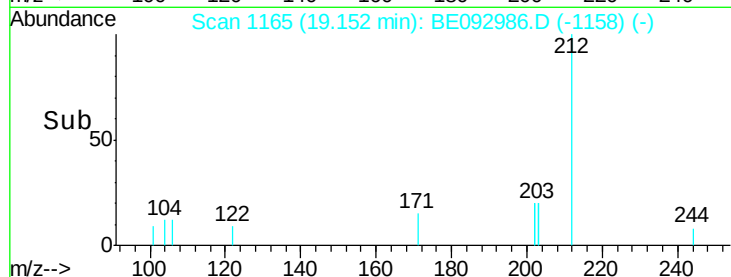
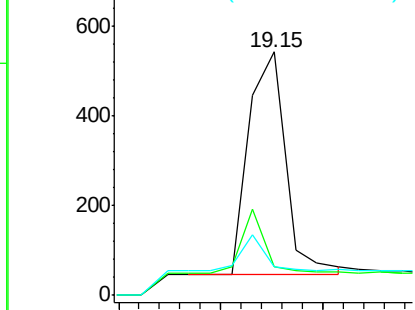
#24
 Fluoranthene-d10
 Concen: 0.16 ng
 RT: 19.15 min Scan# 1165
 Delta R.T. 0.00 min
 Lab File: BE092986.D
 Acq: 10 May 2017 17:40

Instrument :
 BNA_G
 ClientSampleId :
 3076-FBRE

Tgt Ion: 212 Resp: 1253
 Ion Ratio Lower Upper
 212 100
 106 0.0 0.0 0.0
 104 0.0 0.0 0.0

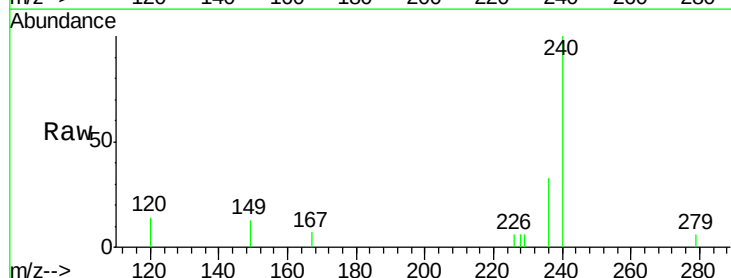


Abundance Ion 212.00 (211.70 to 212.70): E
 Ion 106.00 (105.70 to 106.70): E
 Ion 104.00 (103.70 to 104.70): E

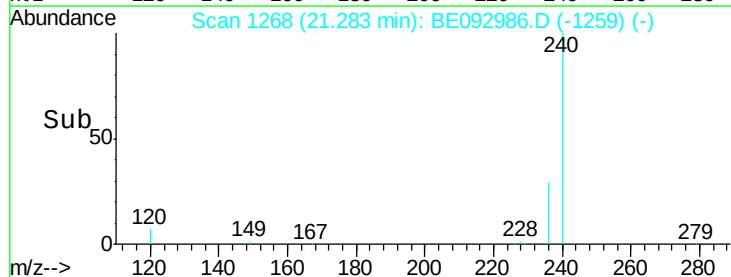
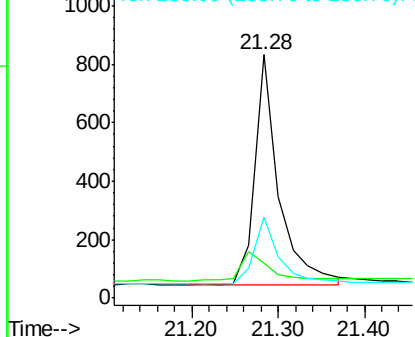


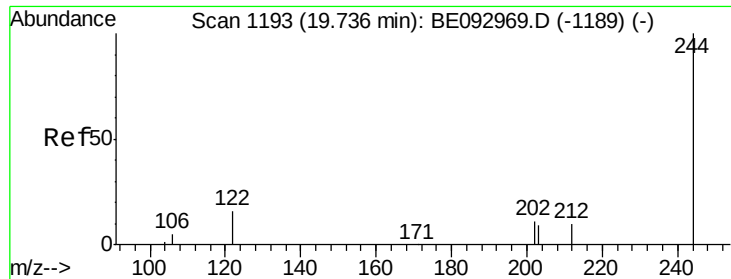
#26
 Chrysene-d12
 Concen: 0.40 ng
 RT: 21.28 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: BE092986.D
 Acq: 10 May 2017 17:40

Tgt Ion: 240 Resp: 1517
 Ion Ratio Lower Upper
 240 100
 120 14.2 4.6 7.0#
 236 33.1 20.8 31.2#



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





#28

Terphenyl-d14

Concen: 0.96 ng

RT: 19.74 min Scan# 1193

Delta R.T. 0.00 min

Lab File: BE092986.D

Acq: 10 May 2017 17:40

Instrument :

BNA_G

ClientSampleId :

3076-FBRE

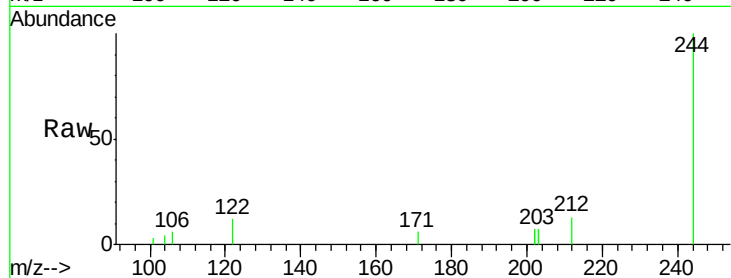
Tgt Ion:244 Resp: 2239

Ion Ratio Lower Upper

244 100

212 12.6 10.6 16.0

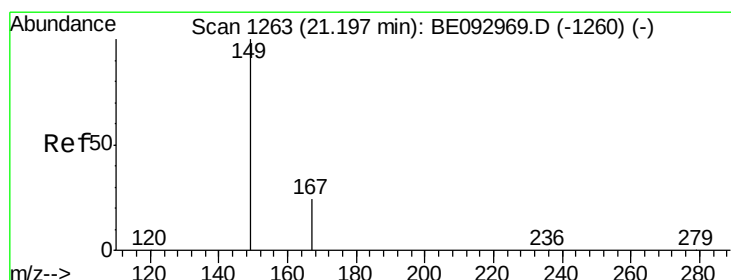
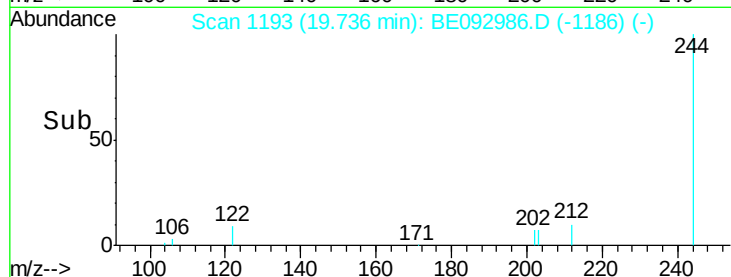
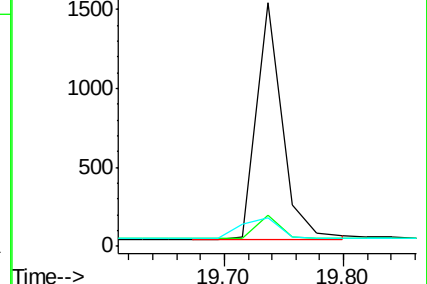
122 11.8 15.4 23.0#



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



#31

Bis(2-ethylhexyl)phthalate

Concen: 0.11 ng

RT: 21.20 min Scan# 1263

Delta R.T. -0.00 min

Lab File: BE092986.D

Acq: 10 May 2017 17:40

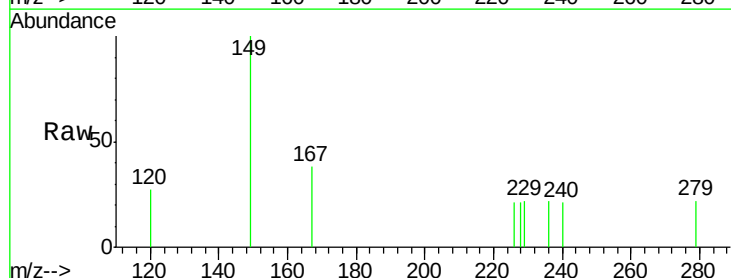
Tgt Ion:149 Resp: 228

Ion Ratio Lower Upper

149 100

167 26.3 20.1 30.1

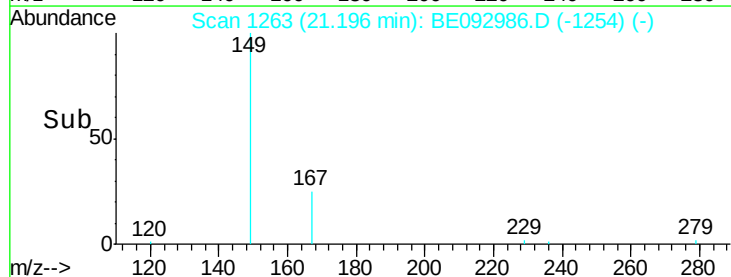
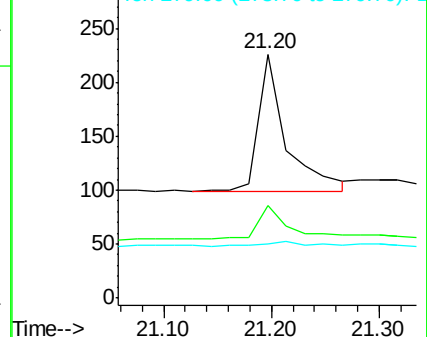
279 5.3 2.2 3.4#

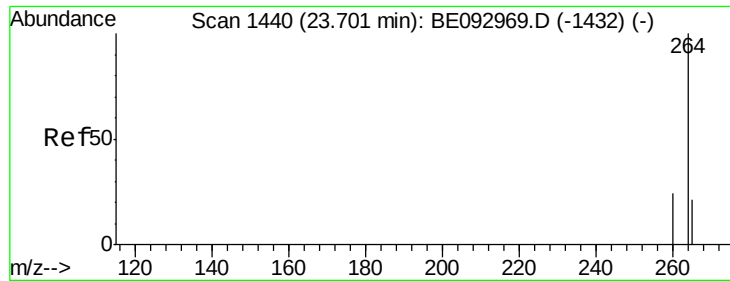


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

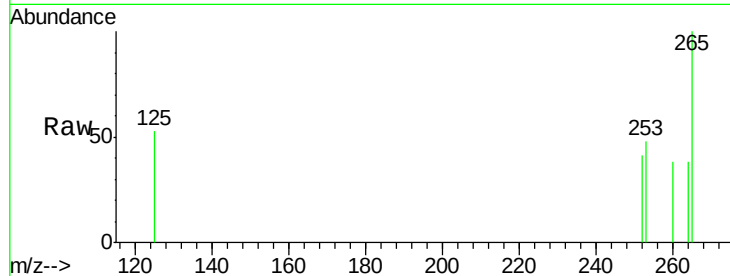




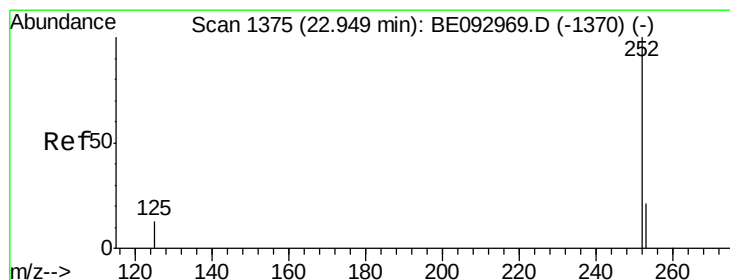
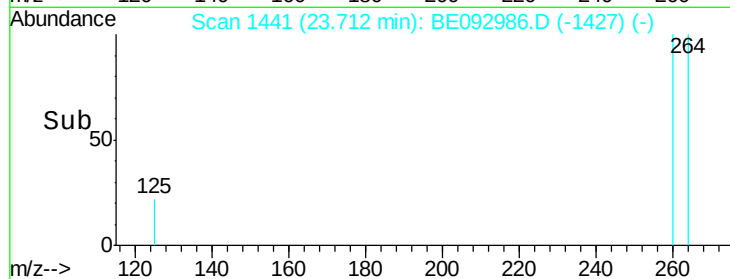
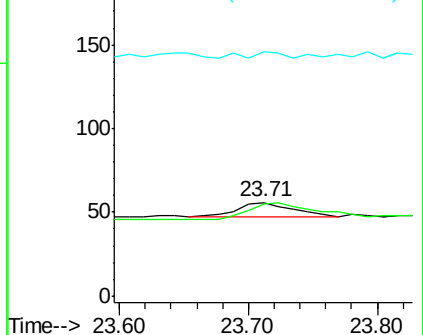
#33
 Perylene-d12
 Concen: 0.40 ng
 RT: 23.71 min Scan# 1441
 Delta R.T. 0.01 min
 Lab File: BE092986.D
 Acq: 10 May 2017 17:40

Instrument :
 BNA_G
 ClientSampleId :
 3076-FBRE

Tgt Ion: 264 Resp: 27
 Ion Ratio Lower Upper
 264 100
 260 98.2 21.0 31.4#
 265 260.7 24.6 36.8#

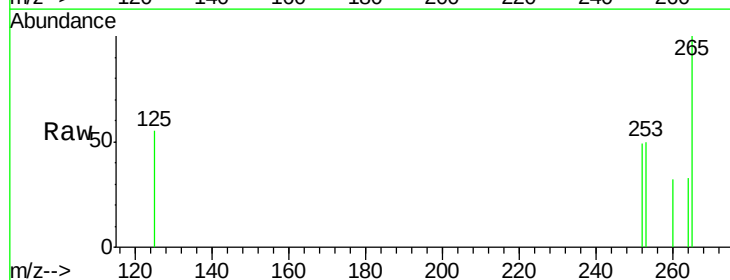


Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

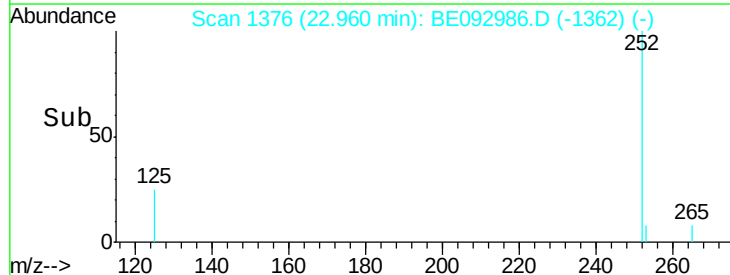
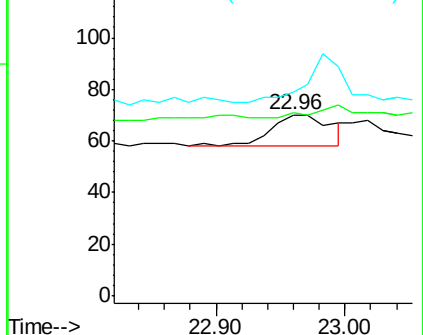


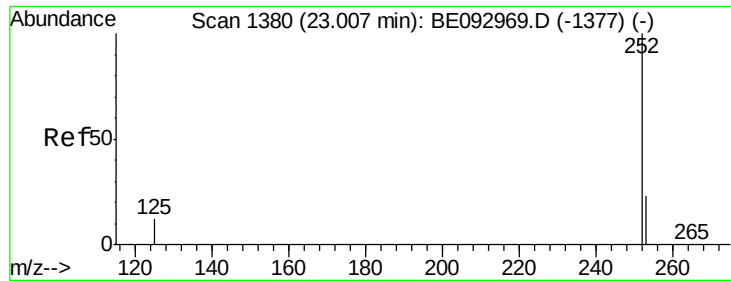
#34
 Benzo(b)fluoranthene
 Concen: 0.48 ng
 RT: 22.96 min Scan# 1376
 Delta R.T. 0.01 min
 Lab File: BE092986.D
 Acq: 10 May 2017 17:40

Tgt Ion: 252 Resp: 40
 Ion Ratio Lower Upper
 252 100
 253 101.4 18.5 27.7#
 125 112.9 13.4 20.0#



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





#35

Benzo(k)fluoranthene

Concen: 0.44 ng

RT: 22.96 min Scan# 1376

Delta R.T. -0.05 min

Lab File: BE092986.D

Acq: 10 May 2017 17:40

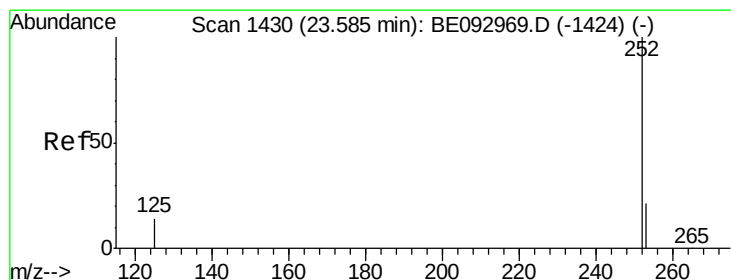
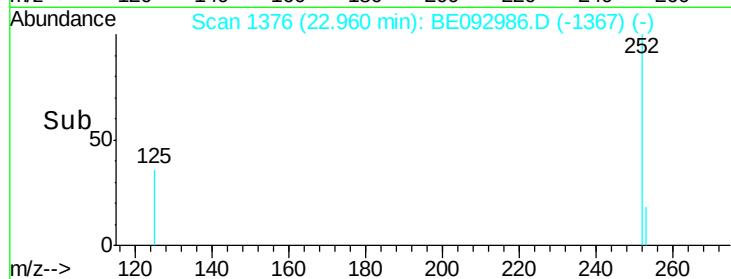
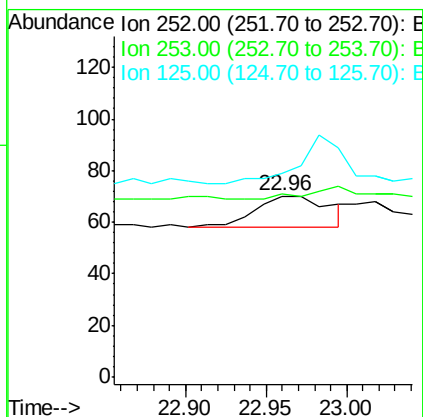
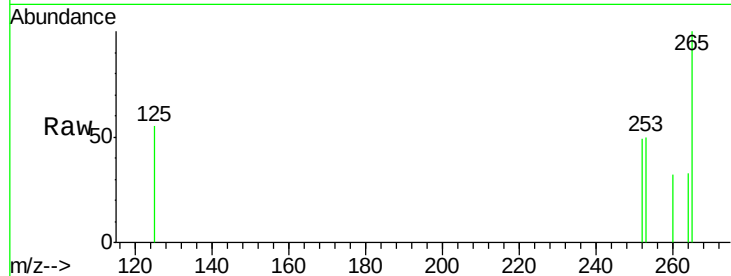
Instrument :

BNA_G

ClientSampleId :

3076-FBRE

Tgt Ion:	252	Resp:	39
Ion	Ratio	Lower	Upper
252	100		
253	101.4	20.3	30.5#
125	112.9	12.2	18.4#



#36

Benzo(a)pyrene

Concen: 0.13 ng

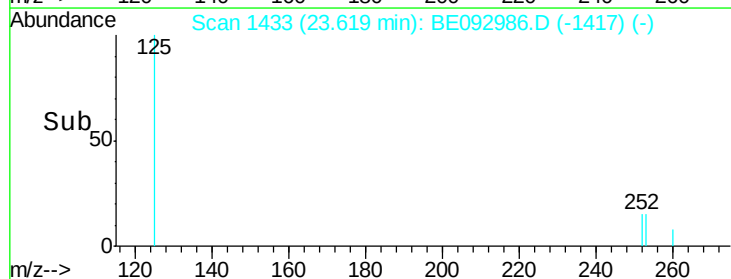
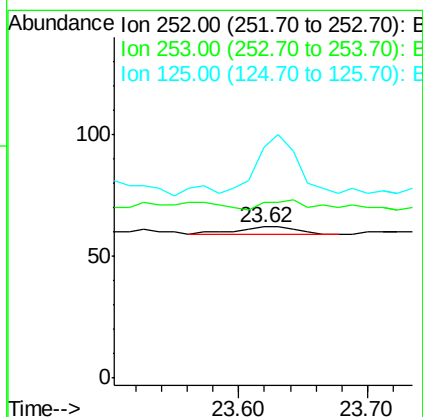
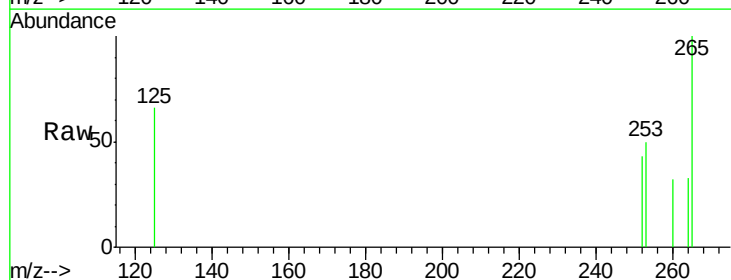
RT: 23.62 min Scan# 1433

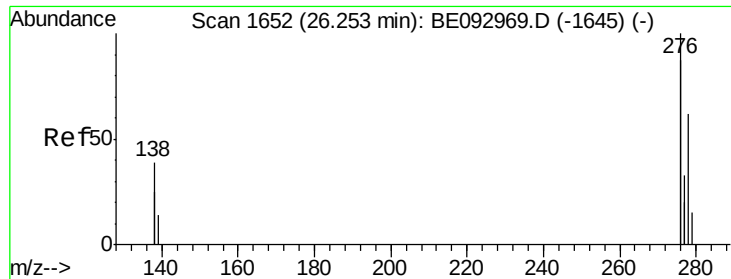
Delta R.T. 0.03 min

Lab File: BE092986.D

Acq: 10 May 2017 17:40

Tgt Ion:	252	Resp:	10
Ion	Ratio	Lower	Upper
252	100		
253	116.1	19.9	29.9#
125	153.2	14.6	21.8#





#37

Dibenzo(a,h)anthracene

Concen: 0.44 ng

RT: 26.27 min Scan# 1653

Delta R.T. 0.02 min

Lab File: BE092986.D

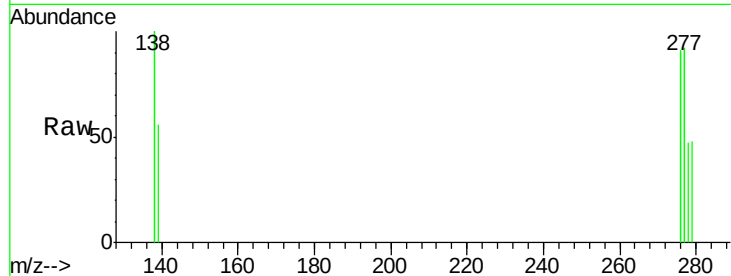
Acq: 10 May 2017 17:40

Instrument :

BNA_G

ClientSampleId :

3076-FBRE



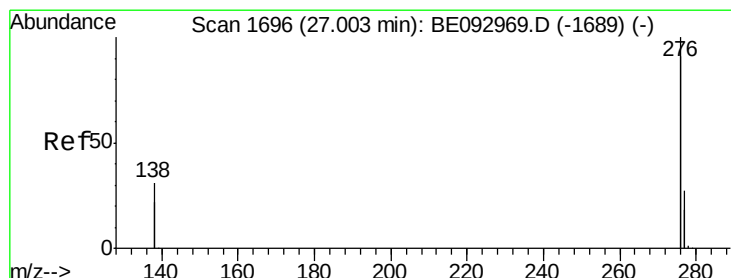
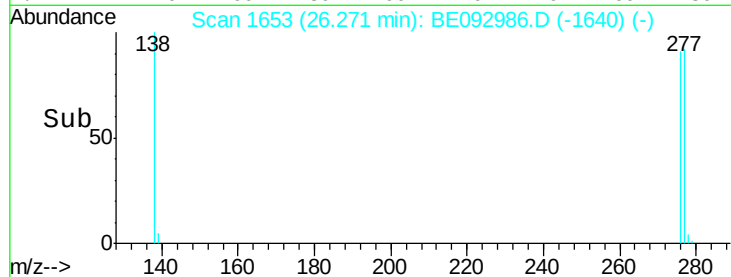
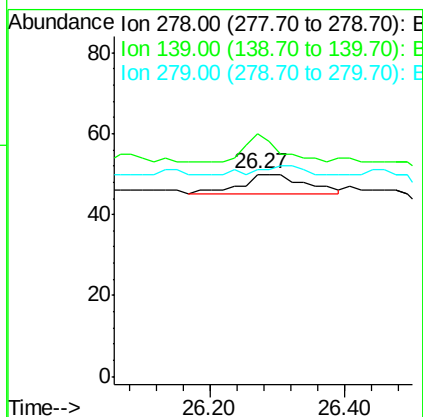
Tgt Ion: 278 Resp: 34

Ion Ratio Lower Upper

278 100

139 120.0 21.4 32.0#

279 102.0 22.2 33.2#



#38

Benzo(g,h,i)perylene

Concen: 0.23 ng

RT: 27.02 min Scan# 1697

Delta R.T. 0.02 min

Lab File: BE092986.D

Acq: 10 May 2017 17:40

Tgt Ion: 276 Resp: 76

Ion Ratio Lower Upper

276 100

277 99.0 21.2 31.8#

138 104.1 24.5 36.7#

